

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042015\
 Data File : BM001090.D
 Acq On : 21 Apr 2015 06:23
 Operator : TP/IZ
 Sample : G1859-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 21 19:02:50 2015
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM01.2-EPA-BM041515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 21 04:18:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	224887	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	941074	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	513611	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1038075	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	1082442	20.00	ng/ul	0.01
83) Perylene-d12	23.37	264	1062763	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.76	99	355093	20.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	215622	19.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	289810	20.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	267174	19.30	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	138230	21.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	151734	21.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	270176	19.56	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	88548	6.58	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	803868	23.49	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1032233	21.08	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	126431	19.00	ng/ul	0.00
57) Fluorene-d10	15.23	176	706234	20.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	55621	9.87	ng/ul	0.00
70) Anthracene-d10	17.08	188	1018913	21.68	ng/ul	0.00
76) Pyrene-d10	19.39	212	1089625	21.69	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.23	264	988422	20.78	ng/ul	0.02

Target Compounds

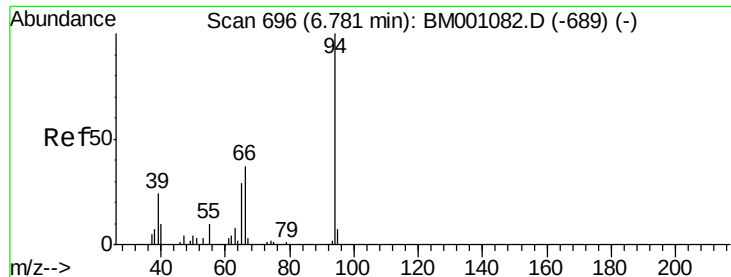
					Ovalue	
6) Phenol	6.79	94	32923	1.77	ng/ul	94
14) Acetophenone	8.39	105	57703	2.57	ng/ul	95
28) Naphthalene	10.40	128	760751	15.59	ng/ul	99
34) 2-Methylnaphthalene	12.03	142	131750	3.86	ng/ul	98
40) 1,1'-Biphenyl	13.06	154	44140	1.03	ng/ul	94
44) Dimethylphthalate	13.70	163	139449	3.64	ng/ul	99
49) Acenaphthene	14.30	153	156264	4.46	ng/ul	97
53) Dibenzofuran	14.63	168	250125	5.13	ng/ul	99
58) Fluorene	15.29	166	268875	6.70	ng/ul	99
69) Phenanthrene	17.03	178	2254346	38.79	ng/ul	97
71) Anthracene	17.12	178	510660	8.63	ng/ul	97
72) Carbazole	17.39	167	228703	4.35	ng/ul#	89
73) Di-n-butylphthalate	17.96	149	129914	2.23	ng/ul#	87
74) Fluoranthene	19.06	202	2063152	32.92	ng/ul	98
77) Pyrene	19.42	202	1881234	27.37	ng/ul	99
78) Butylbenzylphthalate	20.33	149	797522	31.57	ng/ul	98
80) Benzo(a)anthracene	21.17	228	762420	12.12	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.11	149	1886580	49.94	ng/ul	99
82) Chrysene	21.23	228	916040	15.28	ng/ul	96
85) Benzo(b)fluoranthene	22.72	252	1078881	16.46	ng/ul#	68
86) Benzo(k)fluoranthene	22.76	252	355219m	5.79	ng/ul	
88) Benzo(a)pyrene	23.28	252	590344	9.62	ng/ul#	60
89) Indeno(1,2,3-cd)pyrene	25.55	276	440635	6.60	ng/ul	94

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.21	276	387684	6.88	ng/ul#	87

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



#6

Phenol

Concen: 1.77 ng/ul

RT: 6.79 min Scan# 697

Delta R.T. 0.01 min

Lab File: BM001090.D

Acq: 21 Apr 2015 06:23

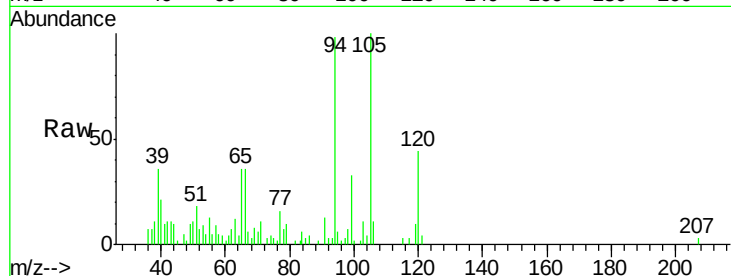
Tot Ion: 94 Resp: 32923

Ion Ratio Lower Upper

94 100

65 36.7 24.9 37.3

66 36.2 29.8 44.8

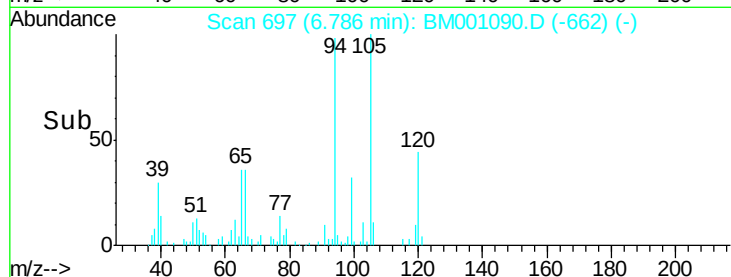


Abundance Ion 94.00 (93.70 to 94.70): BM001082.D (-689) (-)

Ion 65.00 (64.70 to 65.70): BM001082.D (-689) (-)

Ion 66.00 (65.70 to 66.70): BM001082.D (-689) (-)

Time-->

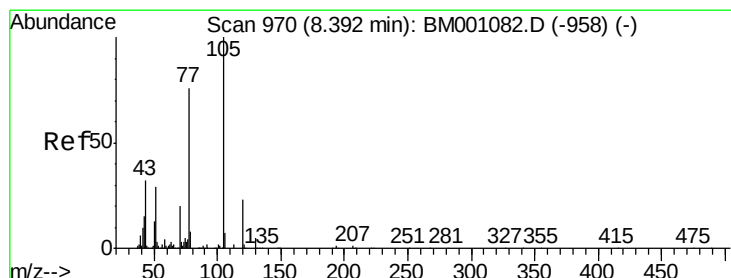


Abundance Ion 94.00 (93.70 to 94.70): BM001090.D (-662) (-)

Ion 65.00 (64.70 to 65.70): BM001090.D (-662) (-)

Ion 66.00 (65.70 to 66.70): BM001090.D (-662) (-)

Time-->



#14

Acetophenone

Concen: 2.57 ng/ul

RT: 8.39 min Scan# 970

Delta R.T. -0.00 min

Lab File: BM001090.D

Acq: 21 Apr 2015 06:23

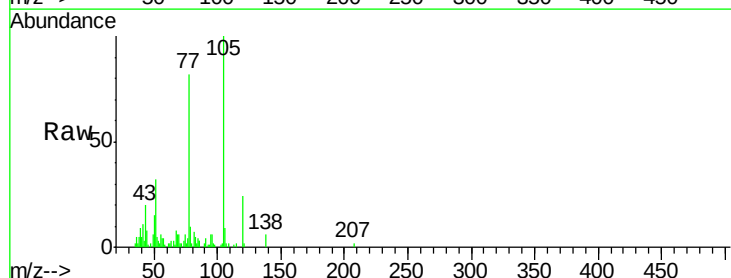
Tgt Ion: 105 Resp: 57703

Ion Ratio Lower Upper

105 100

77 81.9 61.5 92.3

51 31.5 24.5 36.7

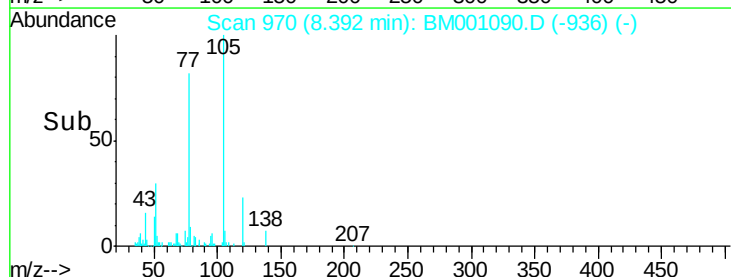


Abundance Ion 105.00 (104.70 to 105.70): BM001082.D (-958) (-)

Ion 77.00 (76.70 to 77.70): BM001082.D (-958) (-)

Ion 51.00 (50.70 to 51.70): BM001082.D (-958) (-)

Time-->

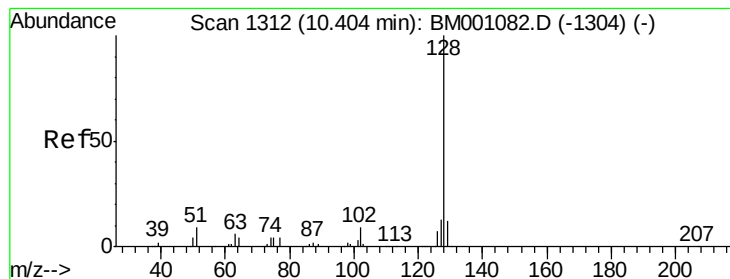


Abundance Ion 105.00 (104.70 to 105.70): BM001090.D (-936) (-)

Ion 77.00 (76.70 to 77.70): BM001090.D (-936) (-)

Ion 51.00 (50.70 to 51.70): BM001090.D (-936) (-)

Time-->



#28

Naphthalene

Concen: 15.59 ng/ul

RT: 10.40 min Scan# 1312

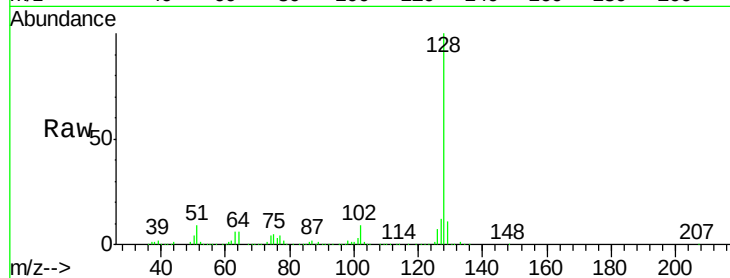
Delta R.T. -0.00 min

Lab File: BM001090.D

Acq: 21 Apr 2015 06:23

Tot Ion:128 Resp: 760751

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	12.3	10.2	15.2

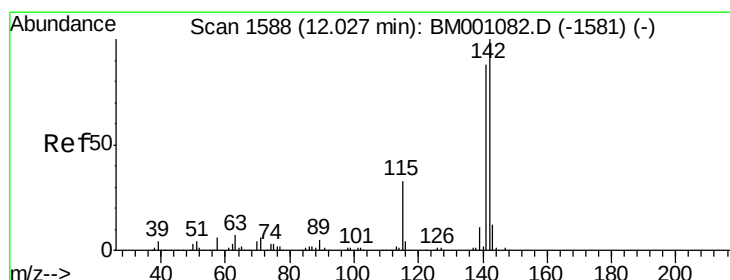
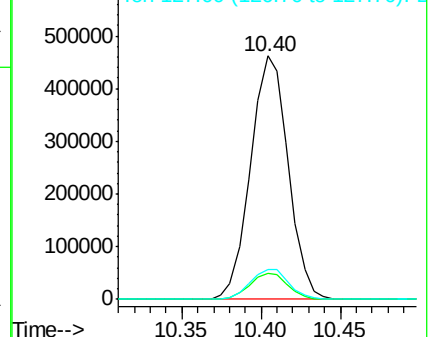
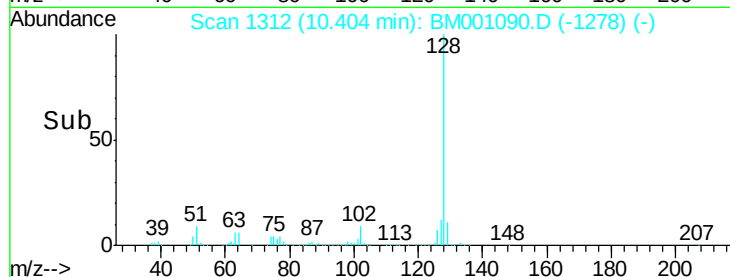


Abundance

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: 3.86 ng/ul

RT: 12.03 min Scan# 1588

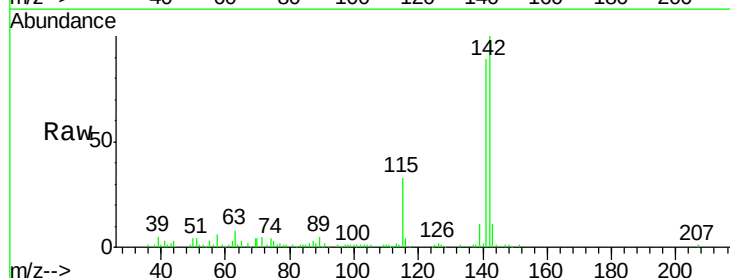
Delta R.T. -0.00 min

Lab File: BM001090.D

Acq: 21 Apr 2015 06:23

Tgt Ion:142 Resp: 131750

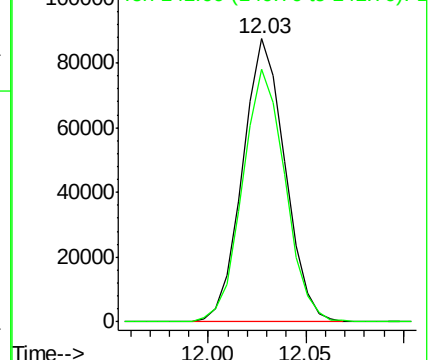
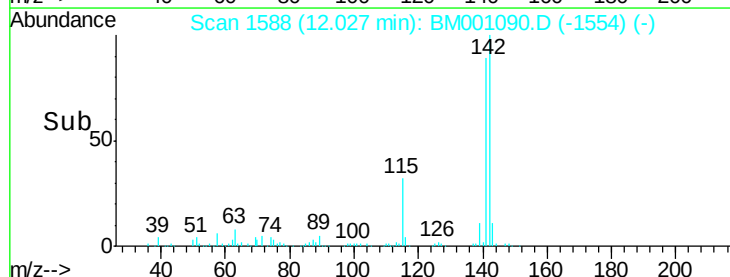
Ion	Ratio	Lower	Upper
142	100		
141	89.4	69.8	104.8

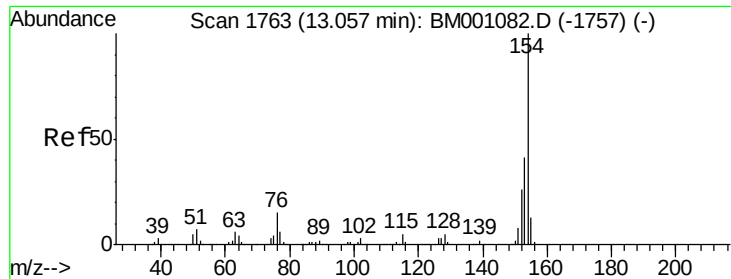


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 1.03 ng/ul

RT: 13.06 min Scan# 1764

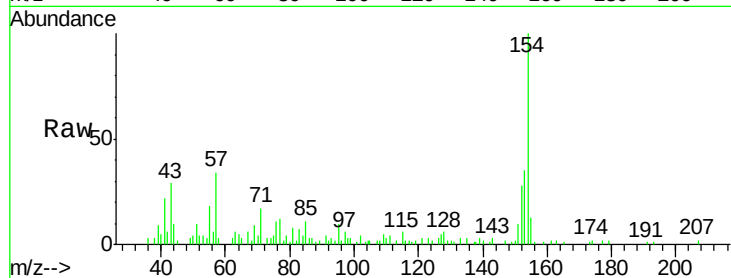
Delta R.T. 0.01 min

Lab File: BM001090.D

Acq: 21 Apr 2015 06:23

Tot Ion:154 Resp: 44140

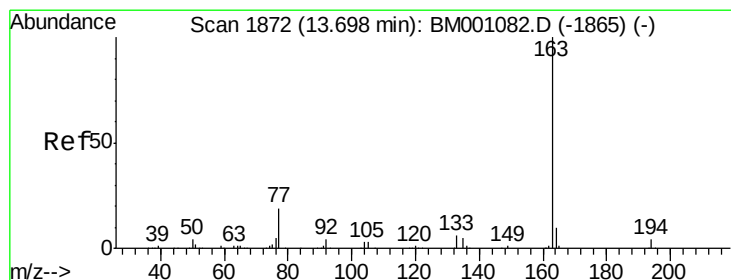
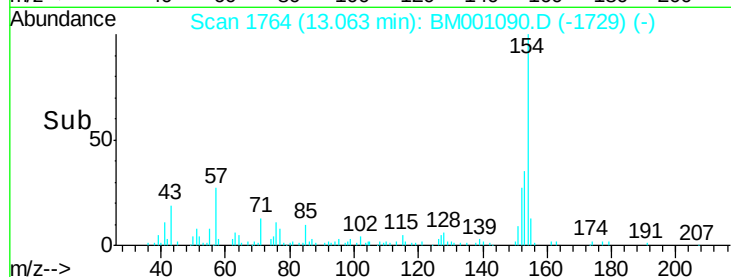
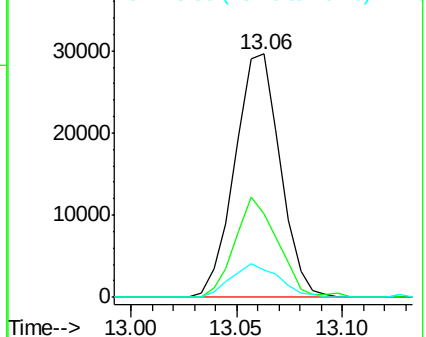
Ion	Ratio	Lower	Upper
154	100		
153	34.5	31.1	46.7
76	11.4	10.3	15.5



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): BM



#44

Dimethylphthalate

Concen: 3.64 ng/ul

RT: 13.70 min Scan# 1872

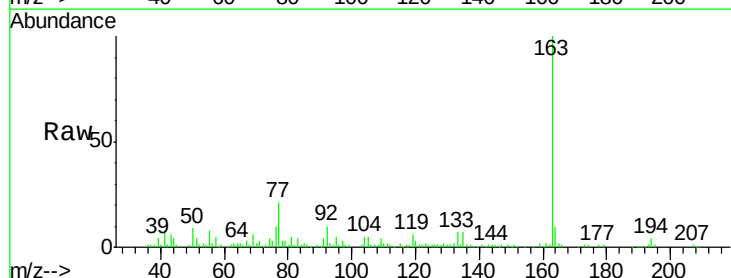
Delta R.T. -0.00 min

Lab File: BM001090.D

Acq: 21 Apr 2015 06:23

Tgt Ion:163 Resp: 139449

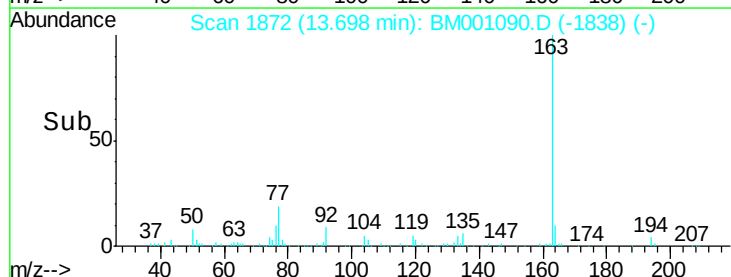
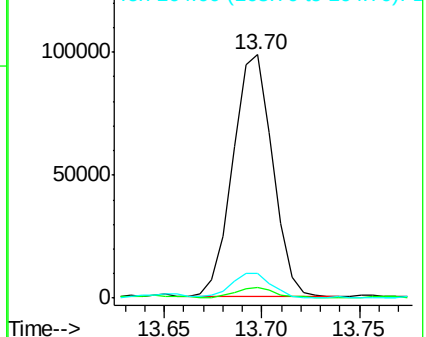
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.4
164	10.0	8.2	12.4

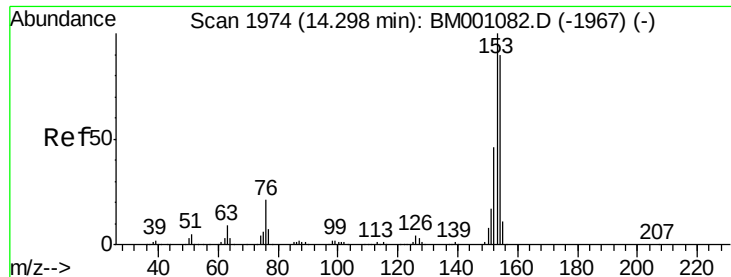


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 4.46 ng/ul

RT: 14.30 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BM001090.D

Acq: 21 Apr 2015 06:23

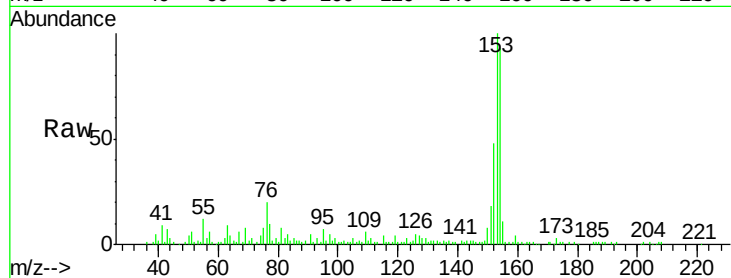
Tot Ion:153 Resp: 156264

Ion Ratio Lower Upper

153 100

152 48.4 37.8 56.6

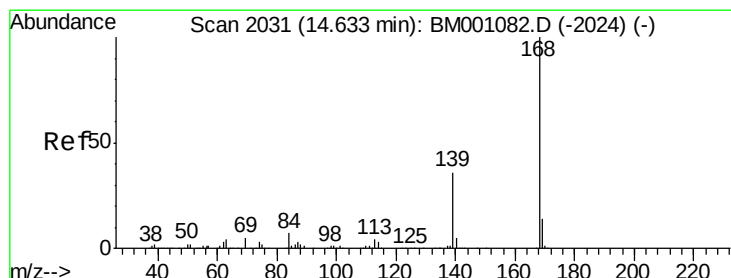
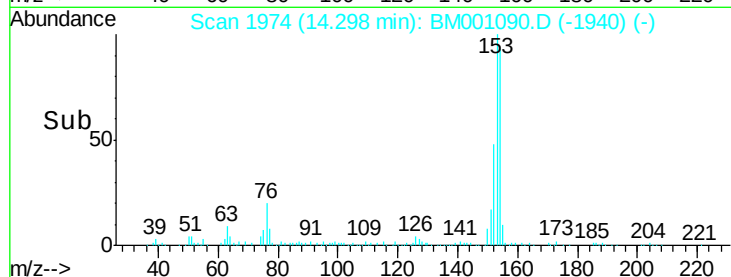
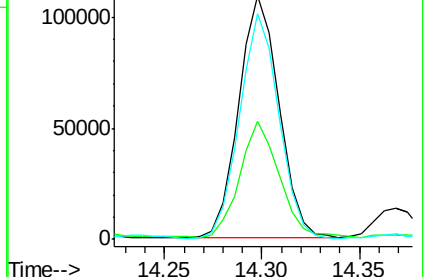
154 92.8 71.2 106.8



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



#53

Dibenzofuran

Concen: 5.13 ng/ul

RT: 14.63 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BM001090.D

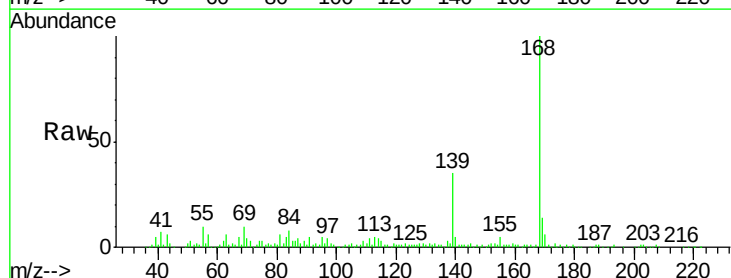
Acq: 21 Apr 2015 06:23

Tgt Ion:168 Resp: 250125

Ion Ratio Lower Upper

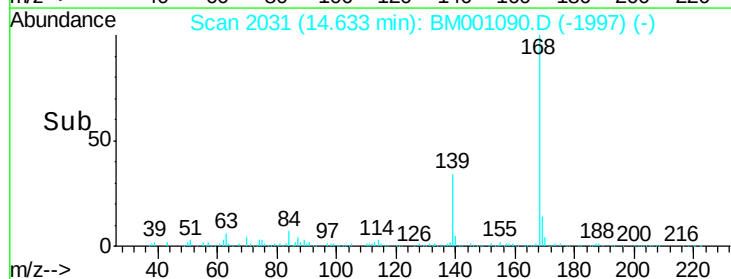
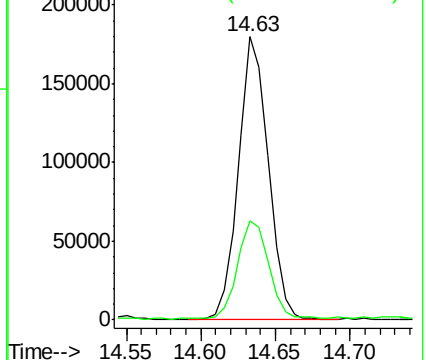
168 100

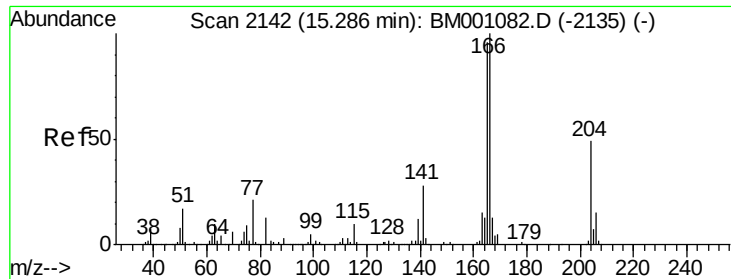
139 34.9 28.2 42.4



Abundance Ion 168.00 (167.70 to 168.70): E

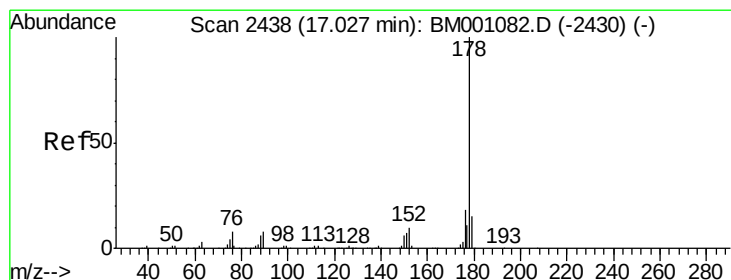
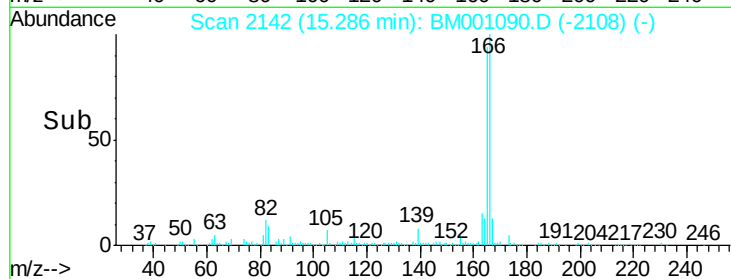
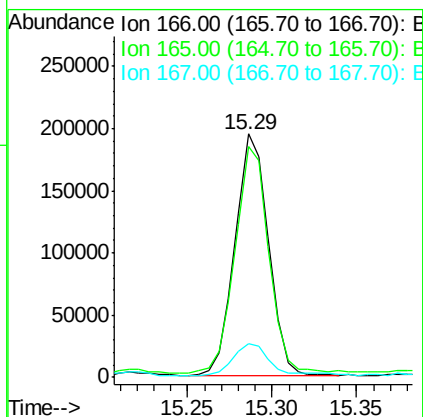
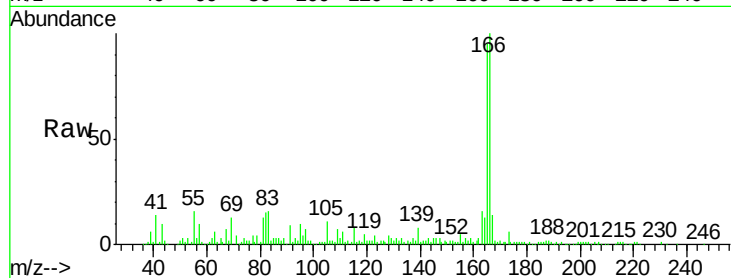
Ion 139.00 (138.70 to 139.70): E





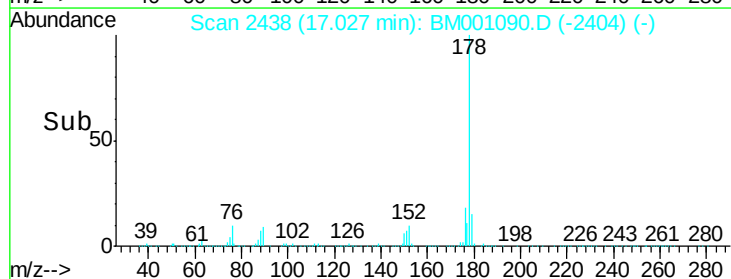
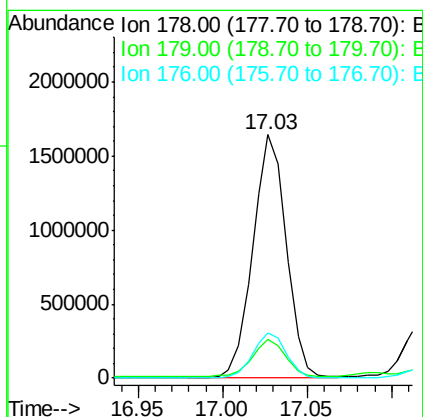
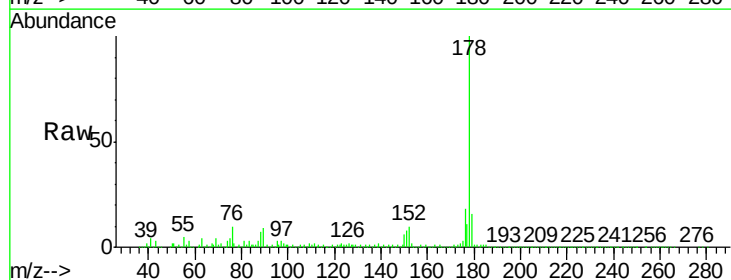
#58
 Fluorene
 Concen: 6.70 ng/ul
 RT: 15.29 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: BM001090.D
 Acq: 21 Apr 2015 06:23

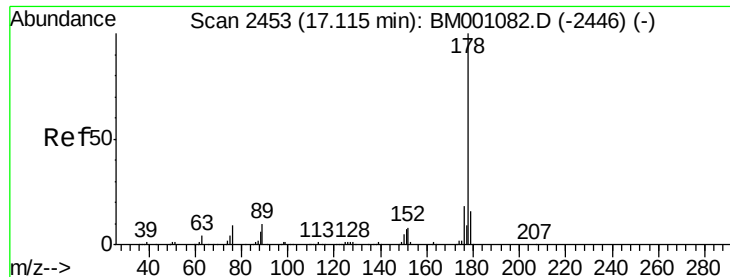
Tot Ion:166 Resp: 268875
 Ion Ratio Lower Upper
 166 100
 165 94.7 75.3 112.9
 167 13.9 10.2 15.2



#69
 Phenanthrene
 Concen: 38.79 ng/ul
 RT: 17.03 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BM001090.D
 Acq: 21 Apr 2015 06:23

Tgt Ion:178 Resp: 2254346
 Ion Ratio Lower Upper
 178 100
 179 15.9 11.9 17.9
 176 18.3 13.8 20.6





#71

Anthracene

Concen: 8.63 ng/ul

RT: 17.12 min Scan# 2453

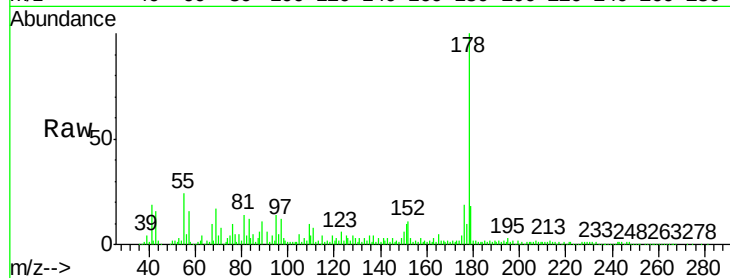
Delta R.T. -0.00 min

Lab File: BM001090.D

Acq: 21 Apr 2015 06:23

Tot Ion:178 Resp: 510660

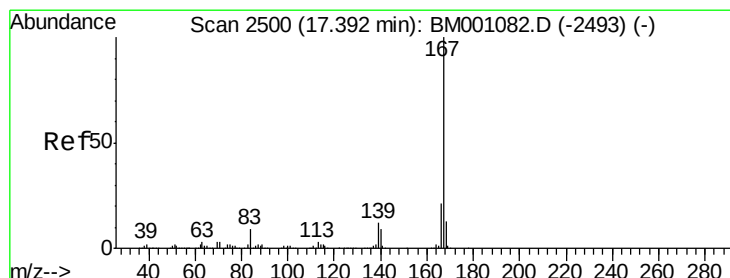
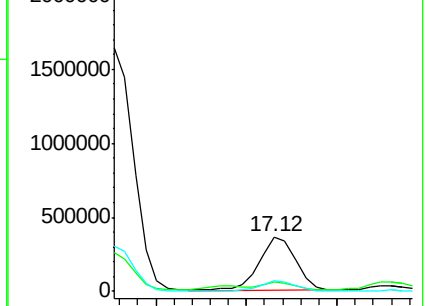
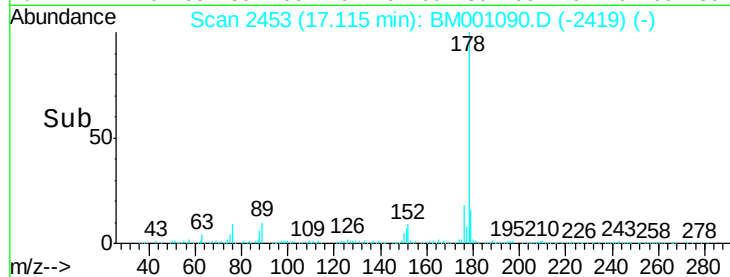
Ion	Ratio	Lower	Upper
178	100		
179	18.1	12.4	18.6
176	18.7	14.6	21.8



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

Carbazole

Concen: 4.35 ng/ul

RT: 17.39 min Scan# 2500

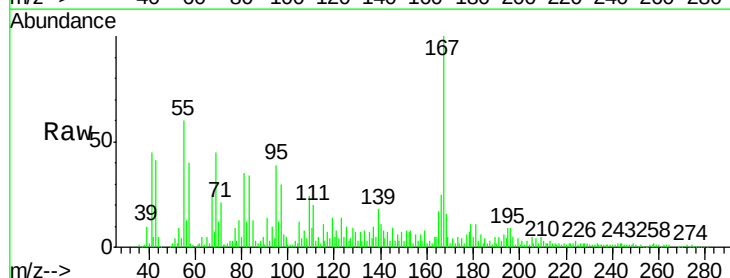
Delta R.T. -0.00 min

Lab File: BM001090.D

Acq: 21 Apr 2015 06:23

Tgt Ion:167 Resp: 228703

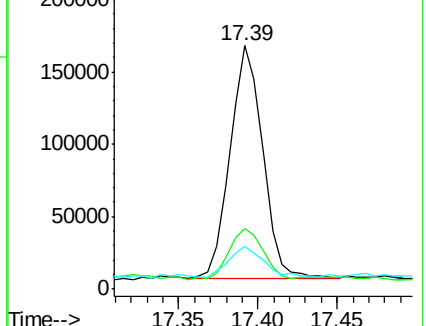
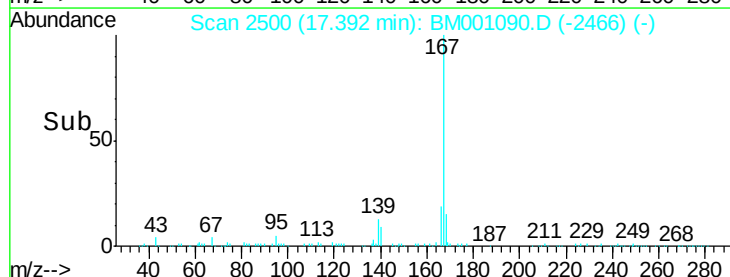
Ion	Ratio	Lower	Upper
167	100		
166	24.9	16.2	24.2#
139	17.5	9.8	14.8#

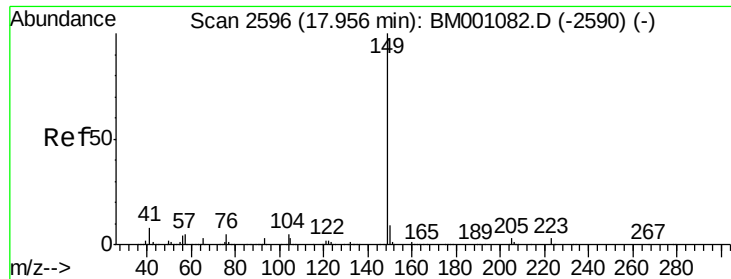


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

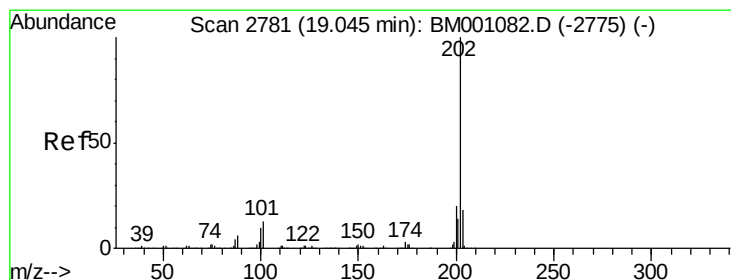
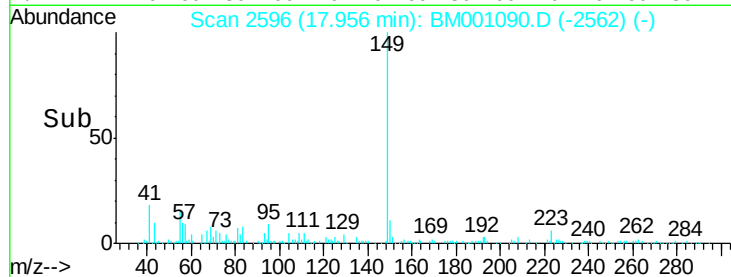
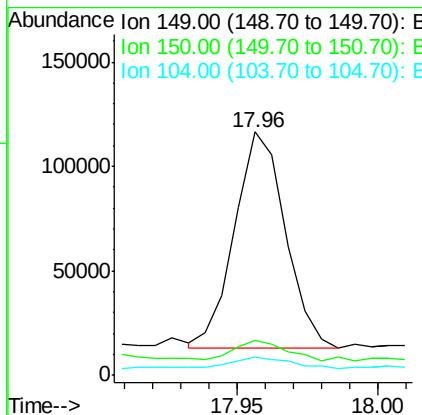
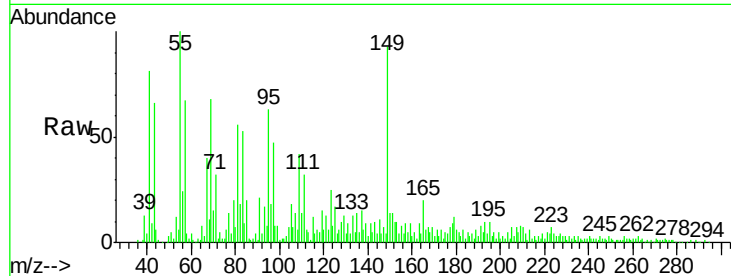
Ion 139.00 (138.70 to 139.70): E





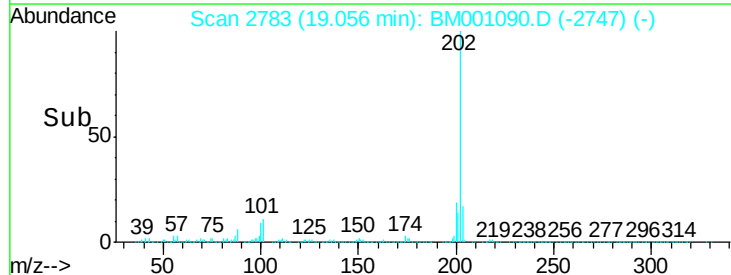
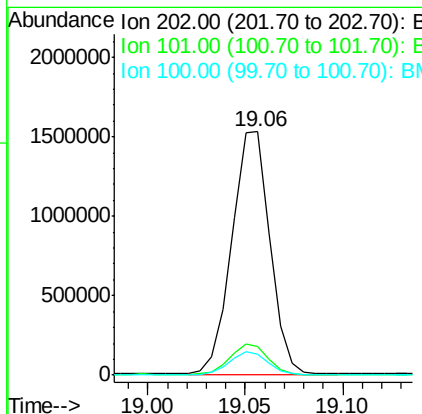
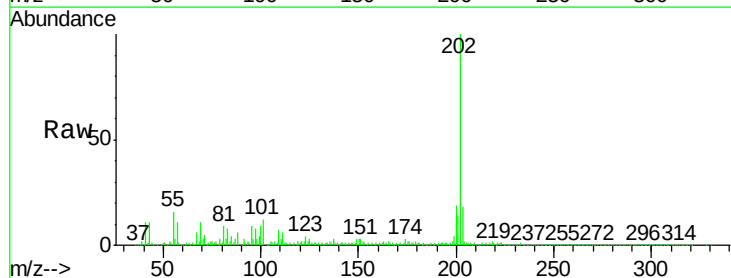
#73
Di-n-butylphthalate
Concen: 2.23 ng/ul
RT: 17.96 min Scan# 2596
Delta R.T. -0.00 min
Lab File: BM001090.D
Acq: 21 Apr 2015 06:23

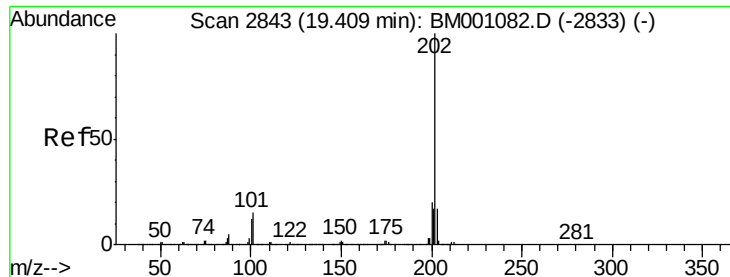
Tot Ion:149 Resp: 129914
Ion Ratio Lower Upper
149 100
150 14.5 7.1 10.7#
104 7.6 3.9 5.9#



#74
Fluoranthene
Concen: 32.92 ng/ul
RT: 19.06 min Scan# 2783
Delta R.T. 0.01 min
Lab File: BM001090.D
Acq: 21 Apr 2015 06:23

Tgt Ion:202 Resp: 2063152
Ion Ratio Lower Upper
202 100
101 11.6 9.8 14.6
100 8.8 7.7 11.5





#77

Pvrene

Concen: 27.37 ng/ul

RT: 19.42 min Scan# 2845

Delta R.T. 0.01 min

Lab File: BM001090.D

Acq: 21 Apr 2015 06:23

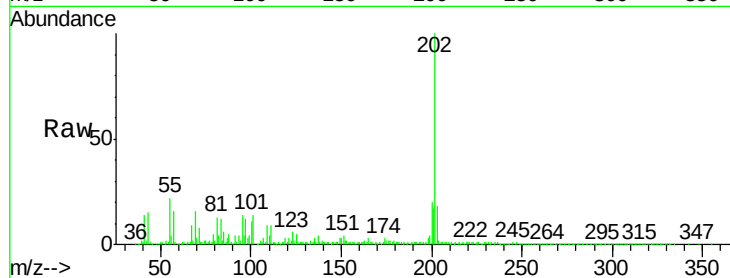
Tot Ion:202 Resp: 1881234

Ion Ratio Lower Upper

202 100

101 14.2 11.4 17.2

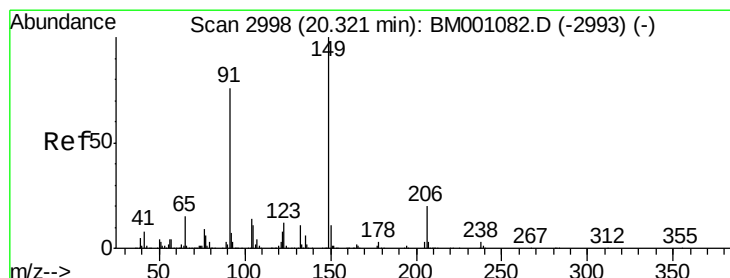
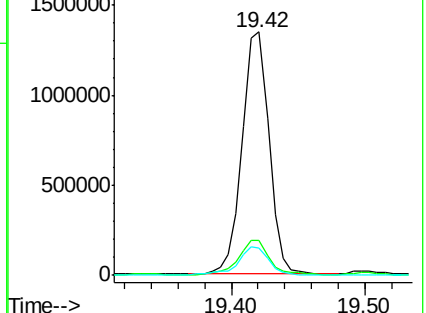
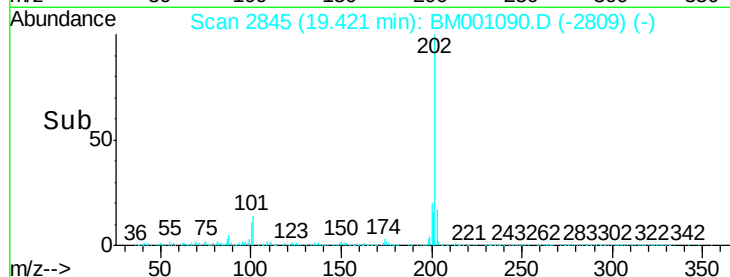
100 11.2 9.8 14.6



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



#78

Butylbenzylphthalate

Concen: 31.57 ng/ul

RT: 20.33 min Scan# 3000

Delta R.T. 0.01 min

Lab File: BM001090.D

Acq: 21 Apr 2015 06:23

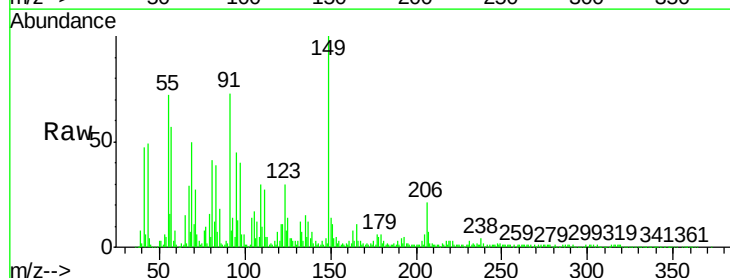
Tgt Ion:149 Resp: 797522

Ion Ratio Lower Upper

149 100

91 73.0 59.7 89.5

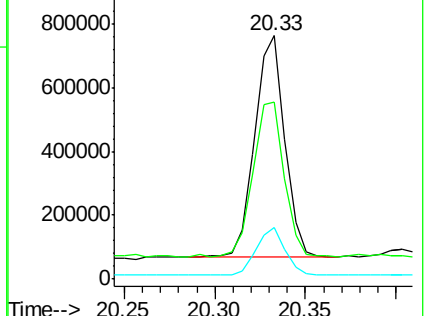
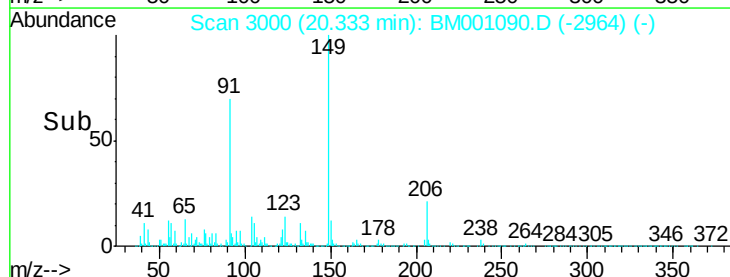
206 21.1 15.9 23.9

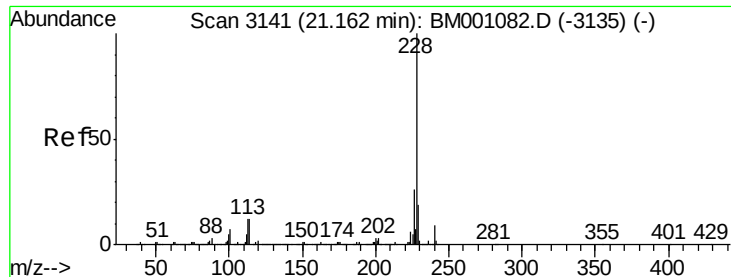


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

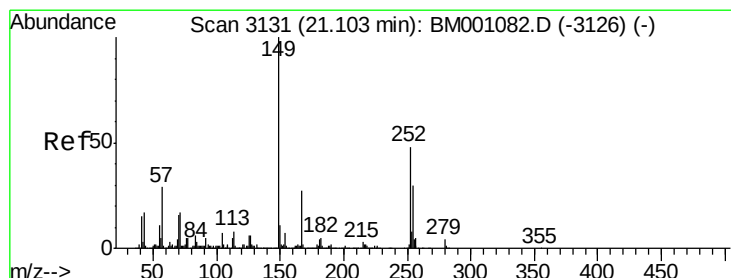
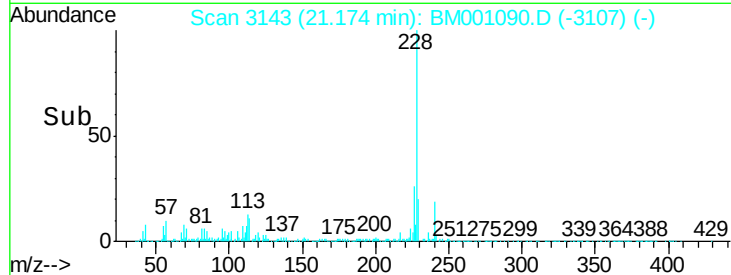
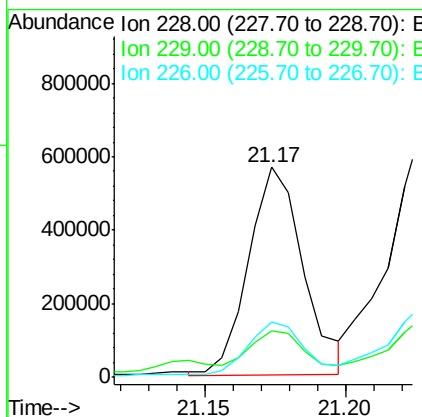
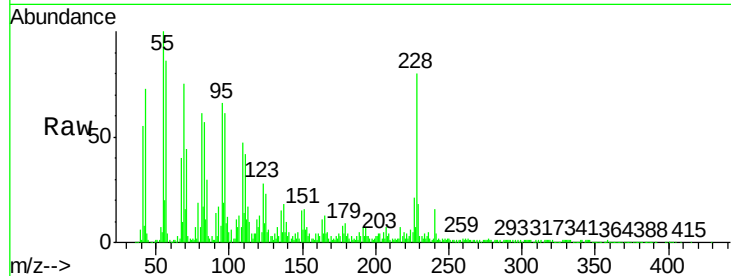
Ion 206.00 (205.70 to 206.70): E





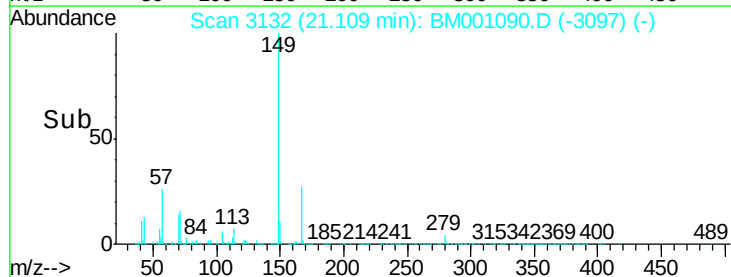
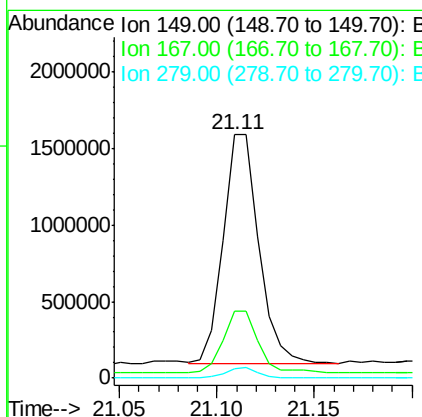
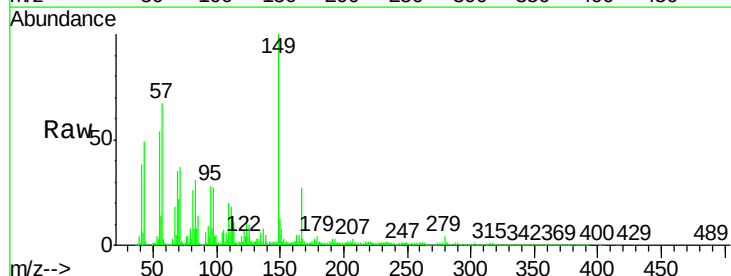
#80
Benzo(a)anthracene
Concen: 12.12 ng/ul
RT: 21.17 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BM001090.D
Acq: 21 Apr 2015 06:23

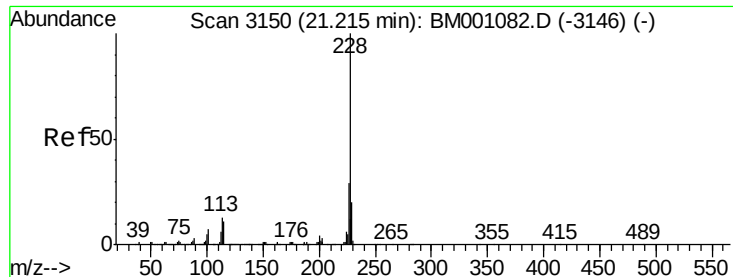
Tot Ion:228 Resp: 762420
Ion Ratio Lower Upper
228 100
229 22.3 15.6 23.4
226 26.6 21.1 31.7



#81
Bis(2-ethylhexyl)phthalate
Concen: 49.94 ng/ul
RT: 21.11 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BM001090.D
Acq: 21 Apr 2015 06:23

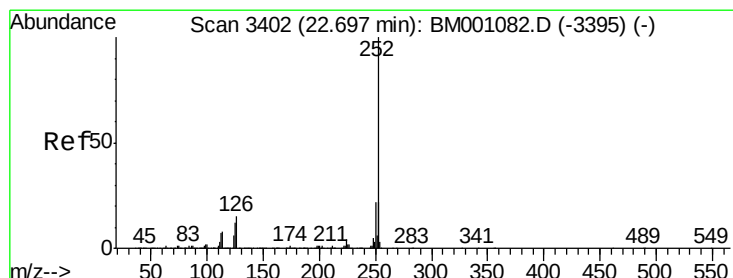
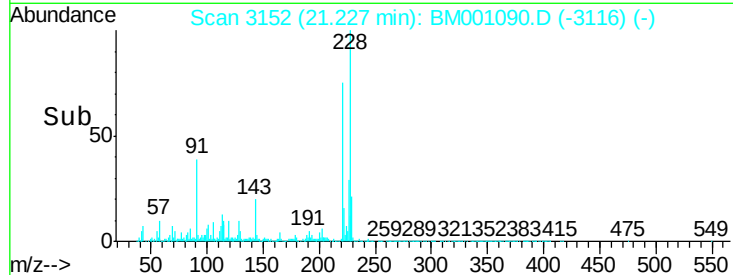
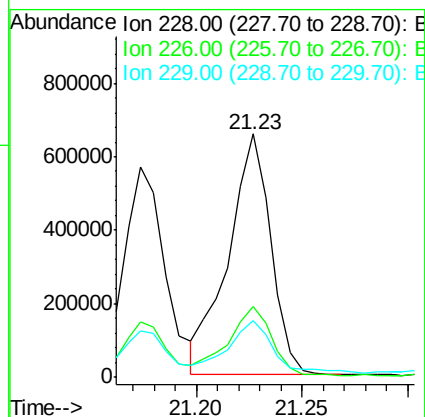
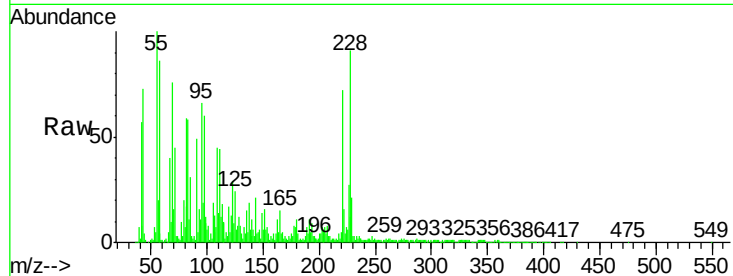
Tgt Ion:149 Resp: 1886580
Ion Ratio Lower Upper
149 100
167 27.4 22.3 33.5
279 3.6 3.3 4.9





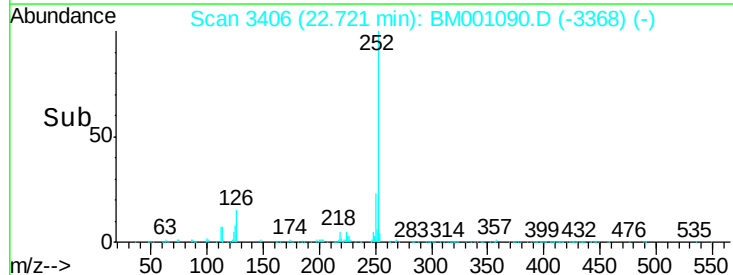
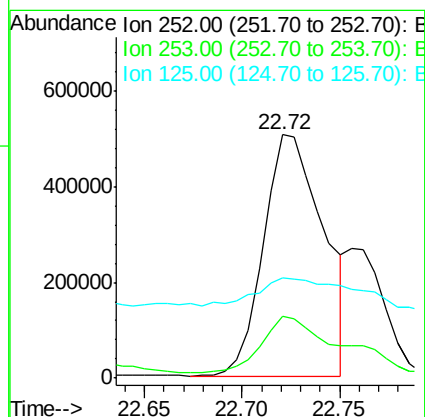
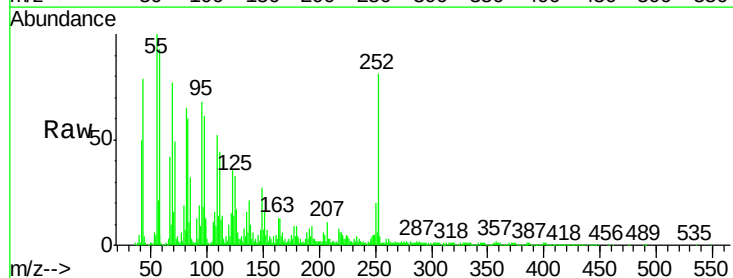
#82
 Chrysene
 Concen: 15.28 ng/ul
 RT: 21.23 min Scan# 3152
 Delta R.T. 0.01 min
 Lab File: BM001090.D
 Acq: 21 Apr 2015 06:23

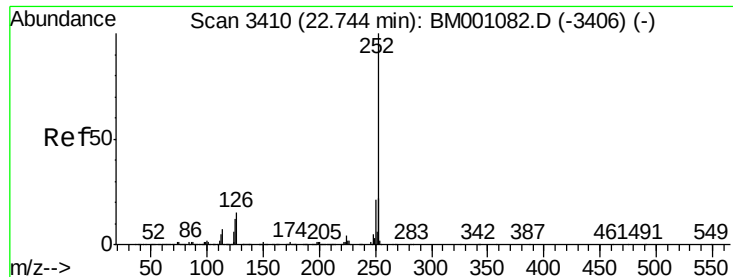
Tot Ion:228	Resp:	916040
Ion	Ratio	Lower Upper
228	100	
226	29.0	23.6 35.4
229	23.3	15.8 23.6



#85
 Benzo(b)fluoranthene
 Concen: 16.46 ng/ul
 RT: 22.72 min Scan# 3406
 Delta R.T. 0.02 min
 Lab File: BM001090.D
 Acq: 21 Apr 2015 06:23

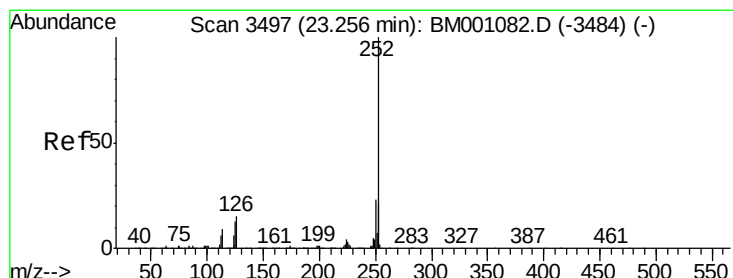
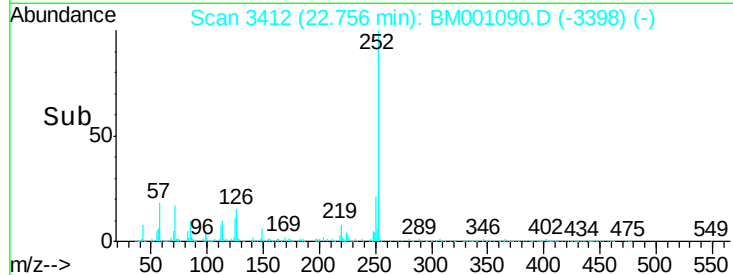
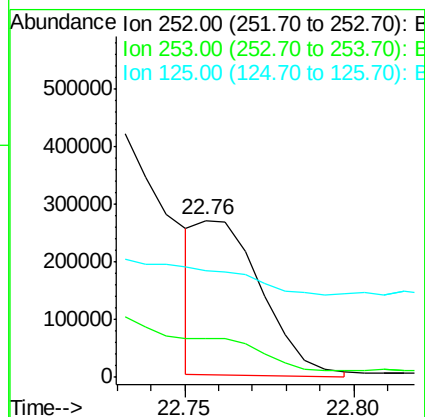
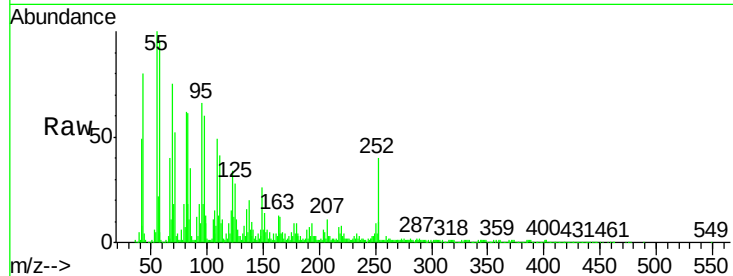
Tgt Ion:252	Resp:	1078881
Ion	Ratio	Lower Upper
252	100	
253	25.3	17.3 25.9
125	41.0	9.7 14.5#





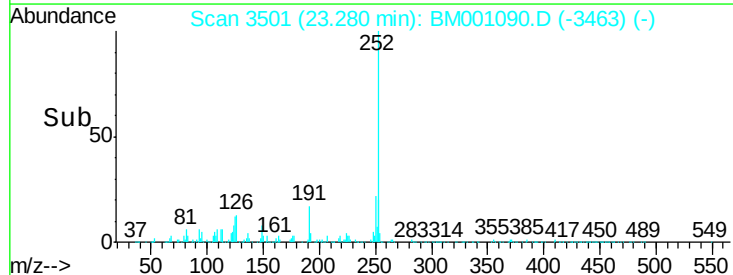
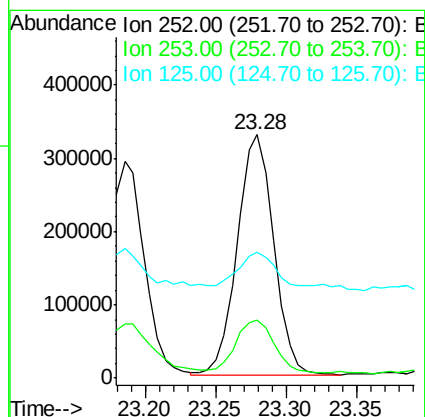
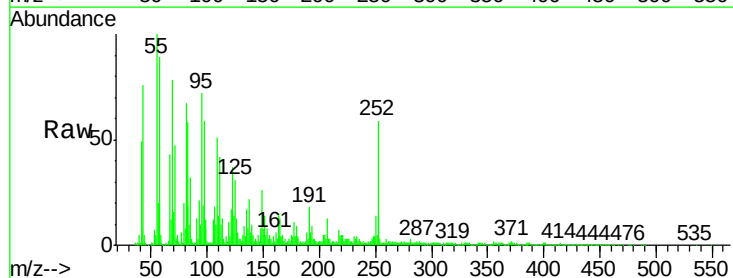
#86
Benzo(k)fluoranthene
Concen: 5.79 ng/ul m
RT: 22.76 min Scan# 3412
Delta R.T. 0.01 min
Lab File: BM001090.D
Acq: 21 Apr 2015 06:23

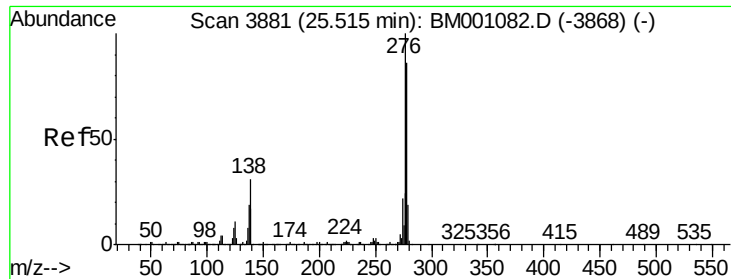
Tot Ion:252 Resp: 355219
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 68.4 9.3 13.9#



#88
Benzo(a)pyrene
Concen: 9.62 ng/ul
RT: 23.28 min Scan# 3501
Delta R.T. 0.02 min
Lab File: BM001090.D
Acq: 21 Apr 2015 06:23

Tgt Ion:252 Resp: 590344
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 51.8 9.7 14.5#

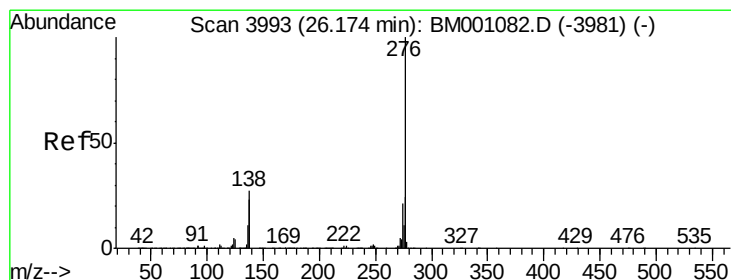
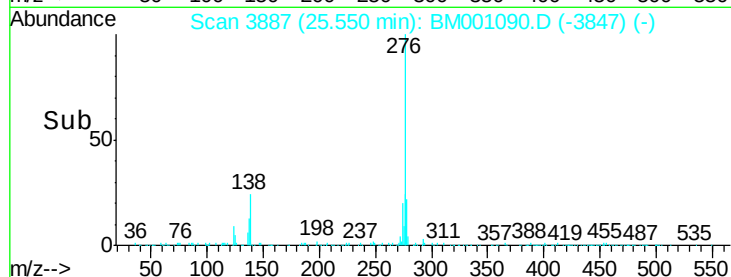
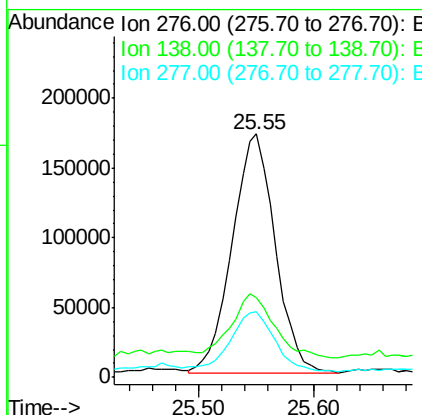
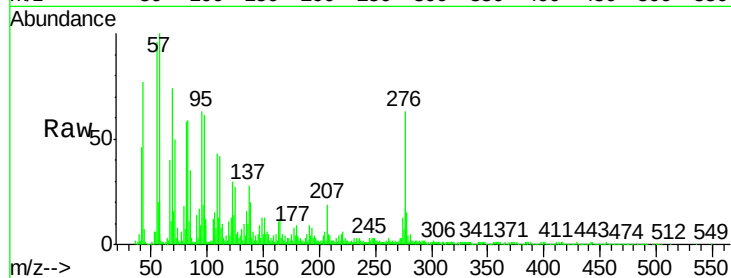




#89

Indeno(1,2,3-cd)pyrene
Concen: 6.60 ng/ul
RT: 25.55 min Scan# 3887
Delta R.T. 0.04 min
Lab File: BM001090.D
Acq: 21 Apr 2015 06:23

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.7	23.2	34.8
277	26.8	19.6	29.4



#91

Benzo(g,h,i)perylene
Concen: 6.88 ng/ul
RT: 26.21 min Scan# 4000
Delta R.T. 0.04 min
Lab File: BM001090.D
Acq: 21 Apr 2015 06:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.1	20.8	31.2#
277	25.9	18.2	27.4

