

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001841.D
 Acq On : 06 Jul 2015 17:55
 Operator : TP/UM
 Sample : G2861-21
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93M6

Quant Time: Jul 07 04:04:46 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 07 04:02:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	54386	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	211233	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	125574	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	283910	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	355664	20.00	ng/ul	0.00
85) Perylene-d12	23.48	264	357930	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	6099	5.35	ng/uL	0.00
5) Phenol-d5	6.83	99	132260	31.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	72691	31.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	107463	32.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	110258	32.88	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	48830	33.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	54644	34.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	121688	35.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	135576	38.94	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	317429	34.09	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	412514	33.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	55622	32.38	ng/ul	0.00
57) Fluorene-d10	15.32	176	301396	34.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	50988	29.40	ng/ul	0.00
70) Anthracene-d10	17.16	188	486873	36.81	ng/ul	0.00
78) Pyrene-d10	19.46	212	571408	37.93	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	603151	38.23	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	2.88	88	1927	1.48 ng/uL#	1
4) Benzaldehyde	6.81	77	170487	62.41 ng/ul	98
8) Bis(2-Chloroethyl)ether	7.22	93	4469	1.38 ng/ul#	1
10) 2-Chlorophenol	7.23	128	188027	54.98 ng/ul	97
14) Acetophenone	8.49	105	272803	51.25 ng/ul	97
15) N-Nitroso-di-n-propylamine	8.37	70	2740	1.05 ng/ul#	1
16) 4-Methylphenol	8.43	108	29951	8.64 ng/ul	88
17) Hexachloroethane	8.73	117	64046	46.64 ng/ul	99
27) 2,4-Dichlorophenol	10.10	162	218538	65.82 ng/ul	94
28) Naphthalene	10.50	128	619321	58.07 ng/ul	98
32) Caprolactam	11.36	113	27455	27.68 ng/ul	95
34) 2-Methylnaphthalene	12.12	142	470358	60.98 ng/ul	99
41) 2-Chloronaphthalene	13.19	162	520185	64.74 ng/ul	97
44) Dimethylphthalate	13.77	163	86145	8.46 ng/ul	99
49) Acenaphthene	14.38	153	289502	34.81 ng/ul	98
58) Fluorene	15.37	166	368409	37.17 ng/ul	100
60) 4-Nitroaniline	15.37	138	4160	2.05 ng/ul#	4
63) 4,6-Dinitro-2-methylphenol	15.45	198	153049	82.83 ng/ul	99
67) Atrazine	16.53	200	205316	61.45 ng/ul	97
69) Phenanthrene	17.11	178	708588	46.03 ng/ul	98
71) Anthracene	17.11	178	708588	44.83 ng/ul	99
74) Carbazole	17.47	167	1009549	72.80 ng/ul	99
79) Pyrene	19.49	202	1174433	59.52 ng/ul	99

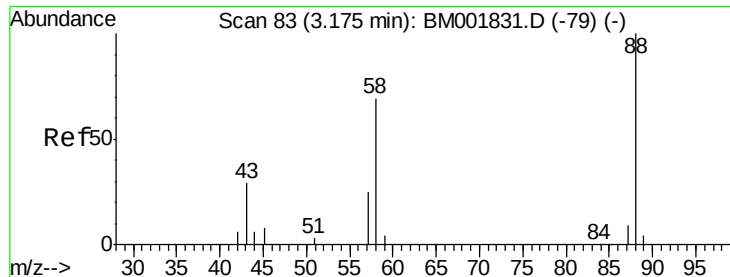
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001841.D
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 07 04:02:33 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	20.40	149	433703	67.37	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.17	149	602518	62.24	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.73	276	1489645	61.98	ng/ul	99
92) Dibenzo(a,h)anthracene	25.74	278	1002318	49.43	ng/ul	98
93) Benzo(g,h,i)perylene	26.41	276	938329	46.42	ng/ul	99

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



#2

1,4-Dioxane

Concen: 1.48 ng/uL

RT: 2.88 min Scan# 33

Delta R.T. -0.29 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

Instrument :

BNA_M

ClientSampleId :

G93M6

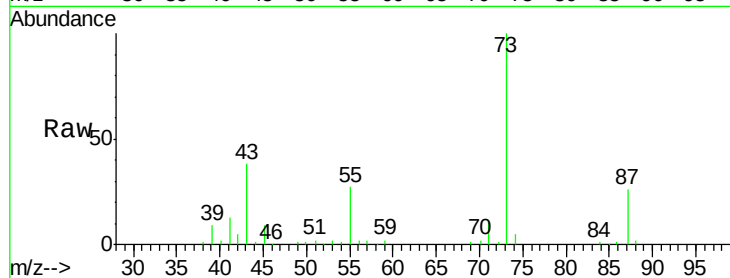
Tgt Ion: 88 Resp: 1927

Ion Ratio Lower Upper

88 100

43 2413.9 24.2 36.4#

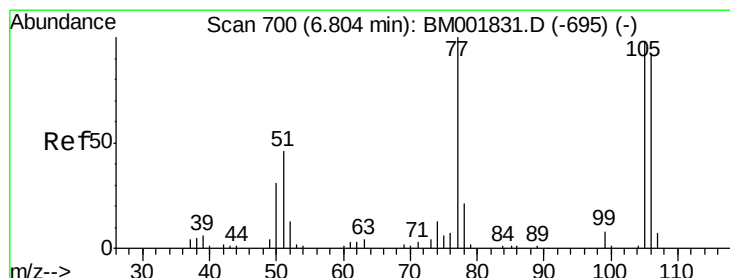
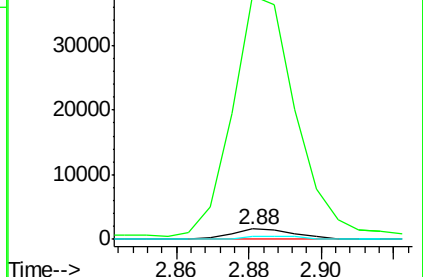
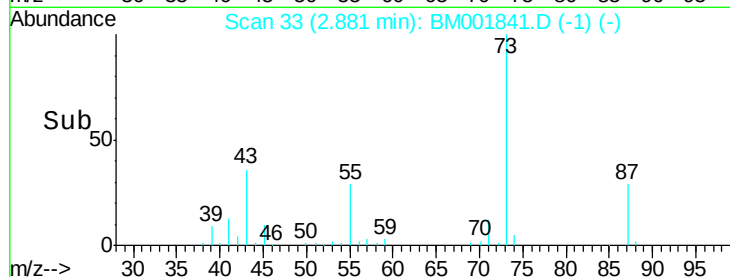
58 25.3 56.2 84.2#



Abundance Ion 88.00 (87.70 to 88.70): BM001831.D (-79) (-)

Ion 43.00 (42.70 to 43.70): BM001831.D (-79) (-)

Ion 58.00 (57.70 to 58.70): BM001831.D (-79) (-)



#4

Benzaldehyde

Concen: 62.41 ng/uL

RT: 6.81 min Scan# 701

Delta R.T. 0.01 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

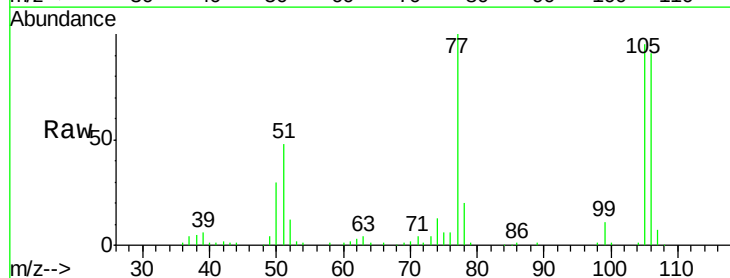
Tgt Ion: 77 Resp: 170487

Ion Ratio Lower Upper

77 100

105 95.0 79.3 118.9

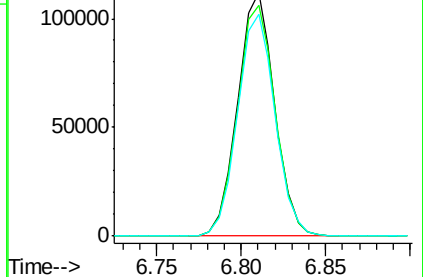
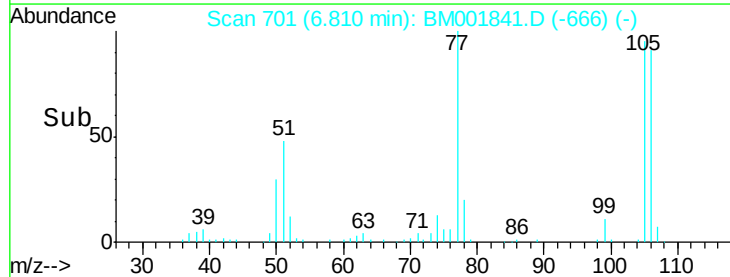
106 91.1 72.8 109.2

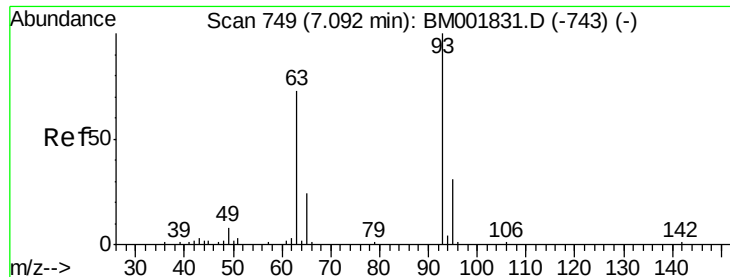


Abundance Ion 77.00 (76.70 to 77.70): BM001831.D (-695) (-)

Ion 105.00 (104.70 to 105.70): BM001831.D (-695) (-)

Ion 106.00 (105.70 to 106.70): BM001831.D (-695) (-)





#8

Bis(2-Chloroethyl)ether

Concen: 1.38 ng/ul

RT: 7.22 min Scan# 771

Delta R.T. 0.13 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

Instrument :

BNA_M

ClientSampleId :

G93M6

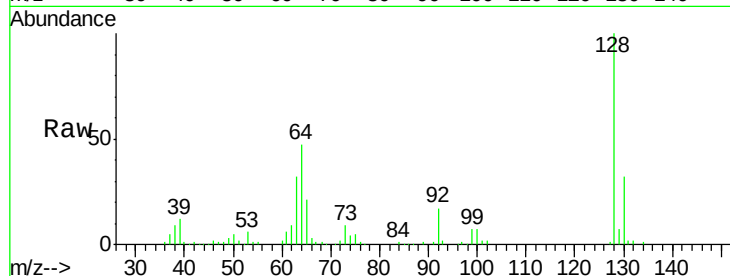
Tgt Ion: 93 Resp: 4469

Ion Ratio Lower Upper

93 100

63 1355.7 58.7 88.1#

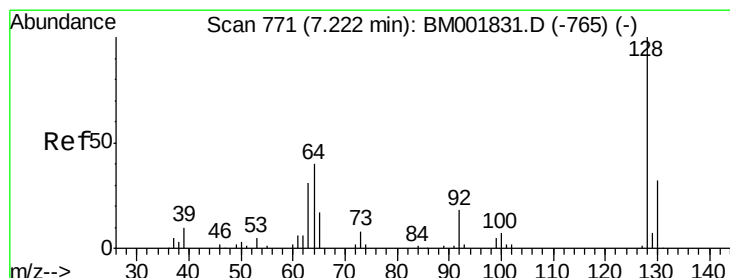
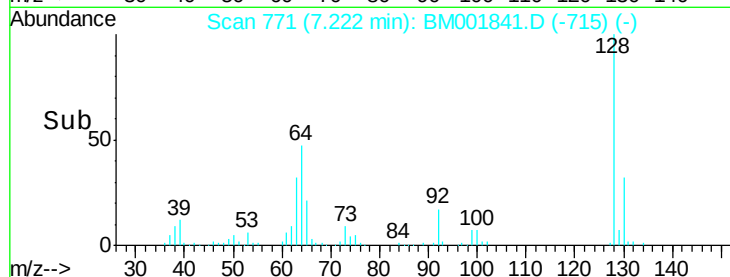
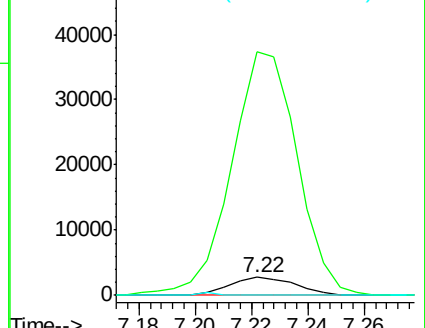
95 0.0 27.0 40.6#



Abundance Ion 93.00 (92.70 to 93.70): BM001831.D (-743) (-)

Ion 63.00 (62.70 to 63.70): BM001831.D (-743) (-)

Ion 95.00 (94.70 to 95.70): BM001831.D (-743) (-)



#10

2-Chlorophenol

Concen: 54.98 ng/ul

RT: 7.23 min Scan# 772

Delta R.T. 0.01 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

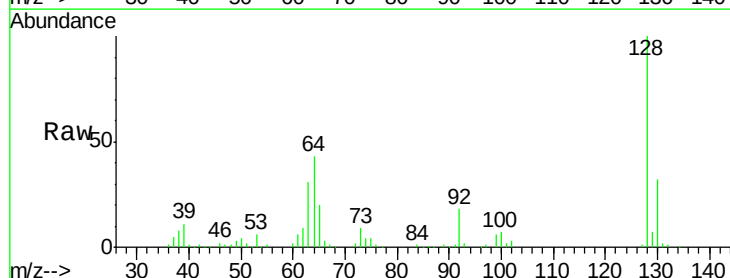
Tgt Ion: 128 Resp: 188027

Ion Ratio Lower Upper

128 100

64 43.2 37.4 56.2

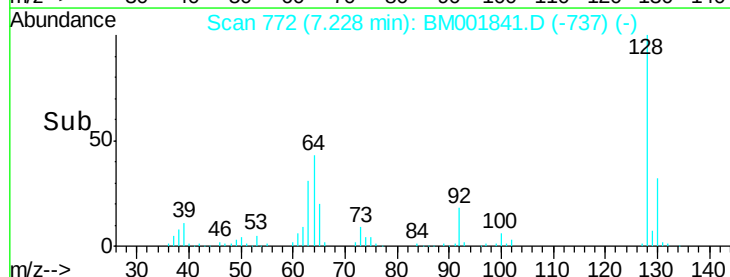
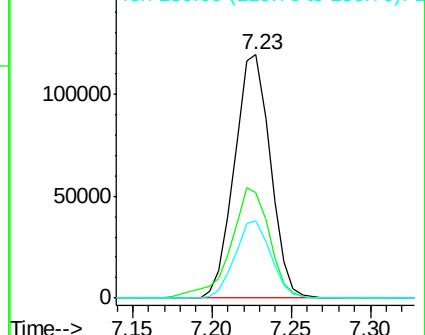
130 31.7 25.4 38.0

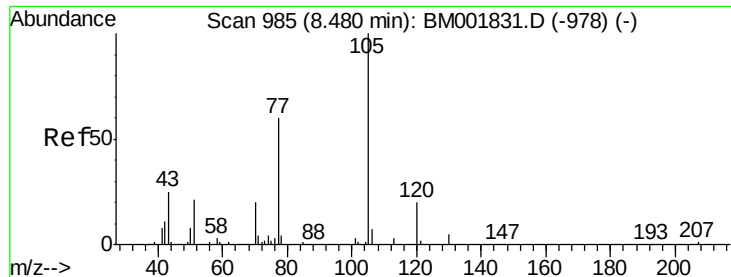


Abundance Ion 128.00 (127.70 to 128.70): BM001841.D (-737) (-)

Ion 64.00 (63.70 to 64.70): BM001841.D (-737) (-)

Ion 130.00 (129.70 to 130.70): BM001841.D (-737) (-)





#14

Acetophenone

Concen: 51.25 ng/ul

RT: 8.49 min Scan# 986

Delta R.T. 0.01 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

Instrument :

BNA_M

ClientSampleId :

G93M6

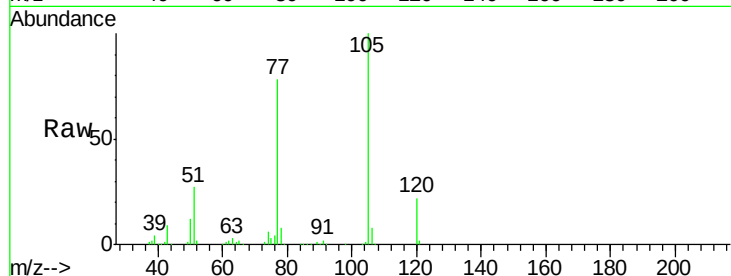
Tgt Ion: 105 Resp: 272803

Ion Ratio Lower Upper

105 100

77 77.6 64.2 96.4

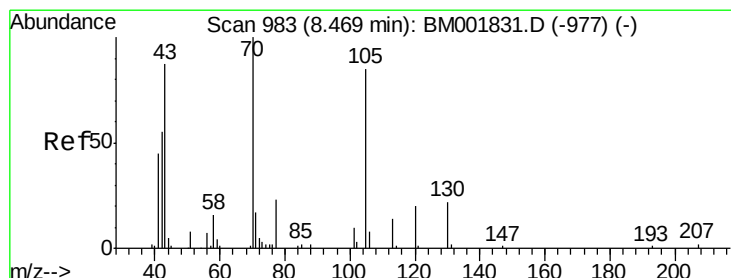
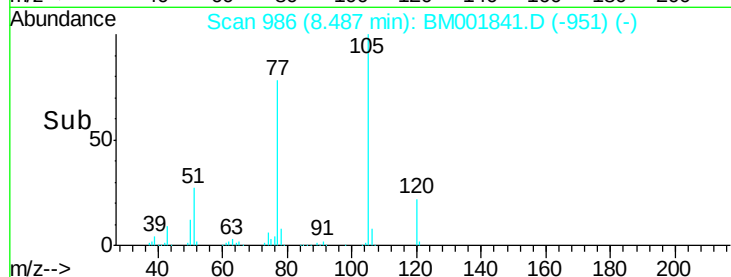
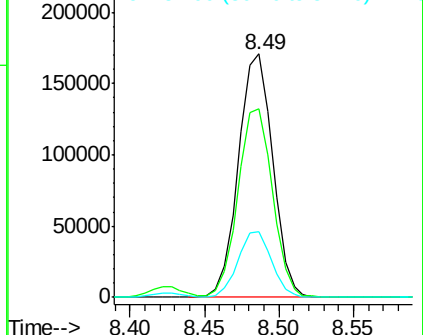
51 26.9 22.0 33.0



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#15

N-Nitroso-di-n-propylamine

Concen: 1.05 ng/ul

RT: 8.37 min Scan# 966

Delta R.T. -0.10 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

Tgt Ion: 70 Resp: 2740

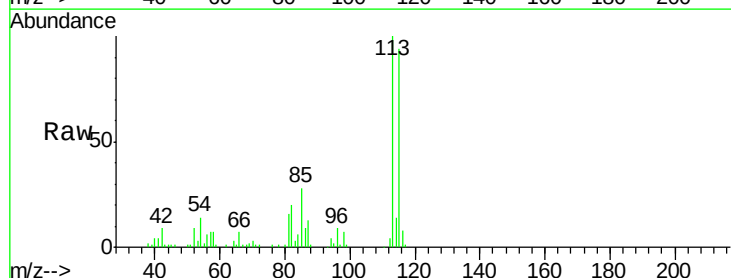
Ion Ratio Lower Upper

70 100

42 334.6 45.2 67.8#

101 0.0 7.8 11.6#

130 0.0 15.5 23.3#

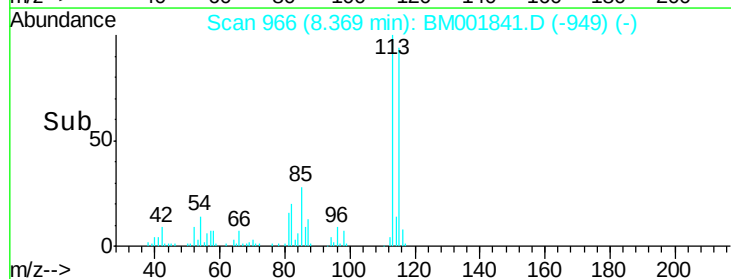
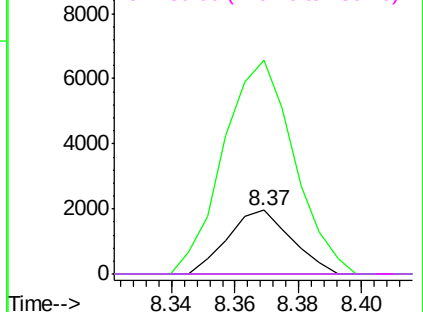


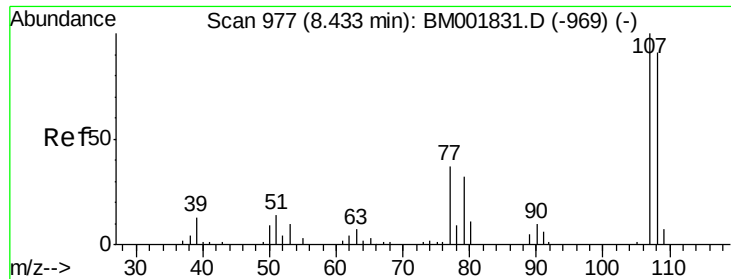
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

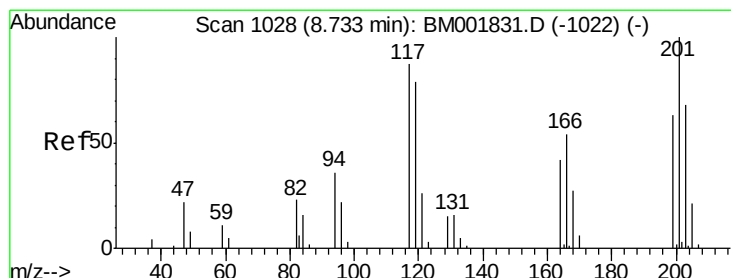
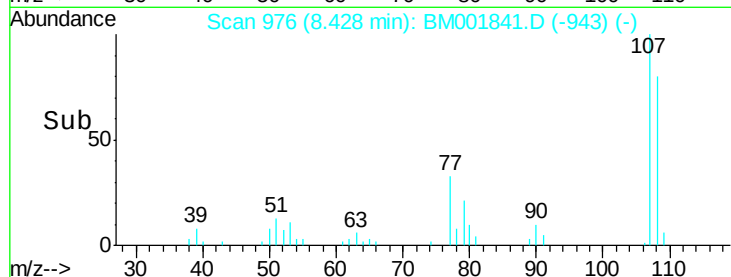
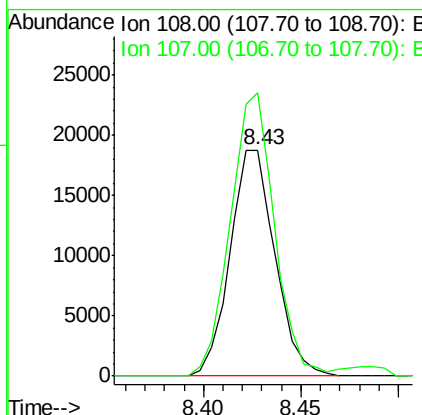
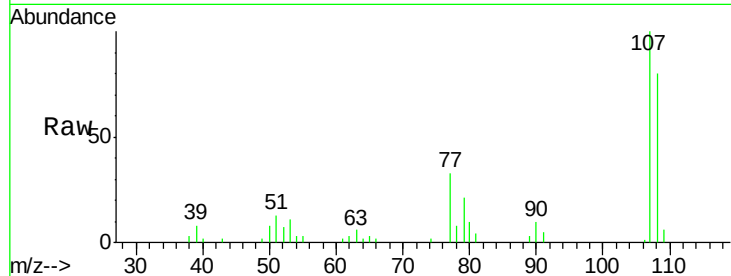




#16
4-Methylphenol
Concen: 8.64 ng/ul
RT: 8.43 min Scan# 976
Delta R.T. -0.01 min
Lab File: BM001841.D
Acq: 06 Jul 2015 17:55

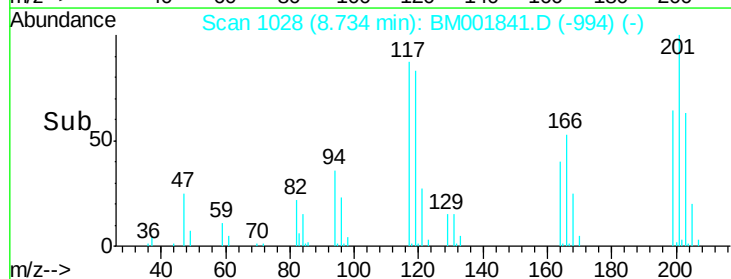
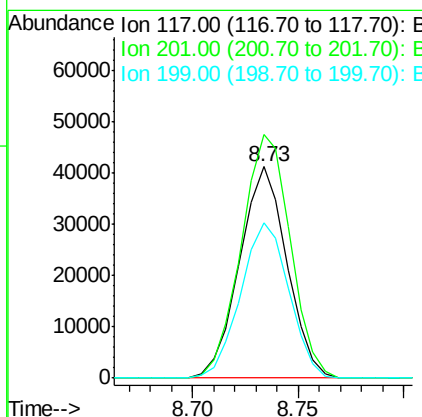
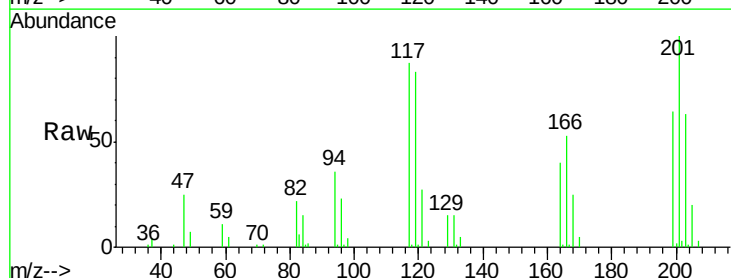
Instrument :
BNA_M
ClientSampled :
G93M6

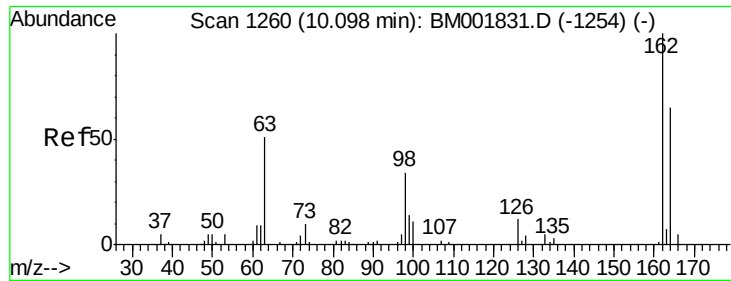
Tgt Ion:108 Resp: 29951
Ion Ratio Lower Upper
108 100
107 125.1 89.9 134.9



#17
Hexachloroethane
Concen: 46.64 ng/ul
RT: 8.73 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BM001841.D
Acq: 06 Jul 2015 17:55

Tgt Ion:117 Resp: 64046
Ion Ratio Lower Upper
117 100
201 115.2 92.1 138.1
199 73.8 60.6 90.8

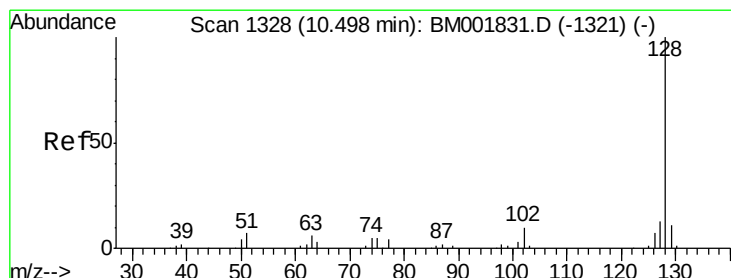
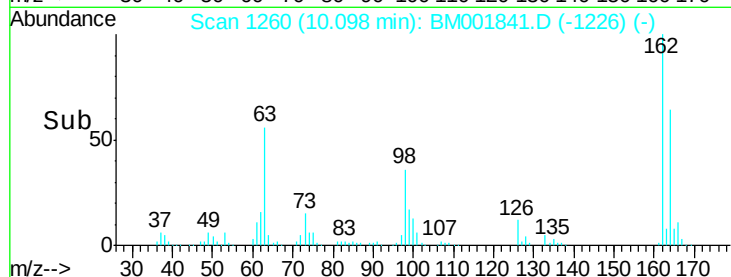
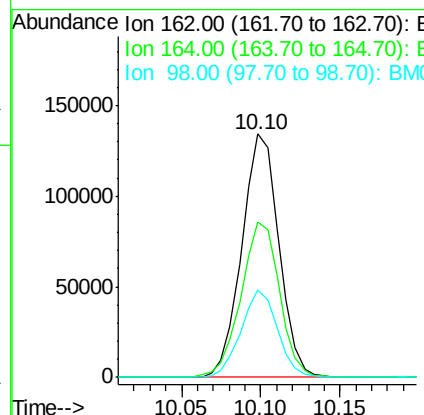
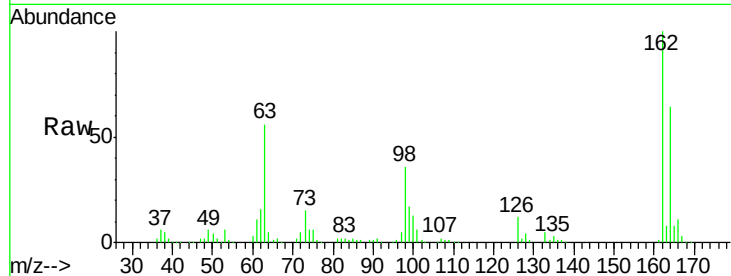




#27
 2,4-Dichlorophenol
 Concen: 65.82 ng/ul
 RT: 10.10 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: BM001841.D
 Acq: 06 Jul 2015 17:55

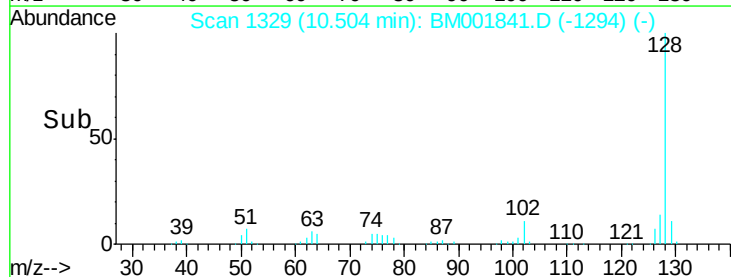
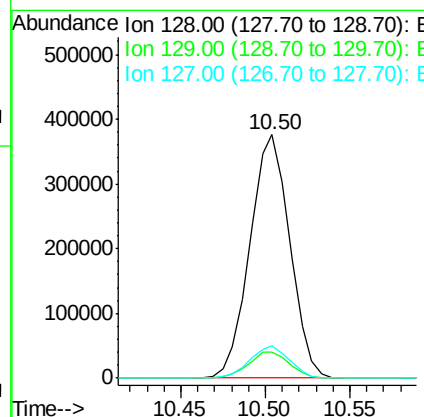
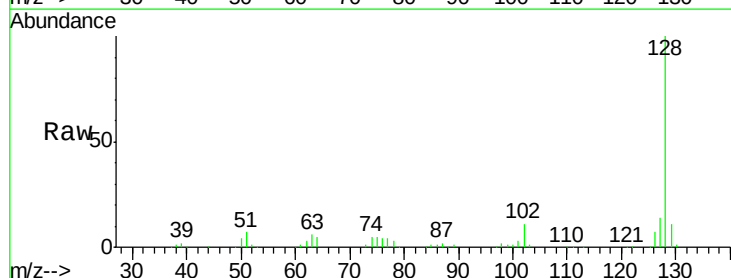
Instrument :
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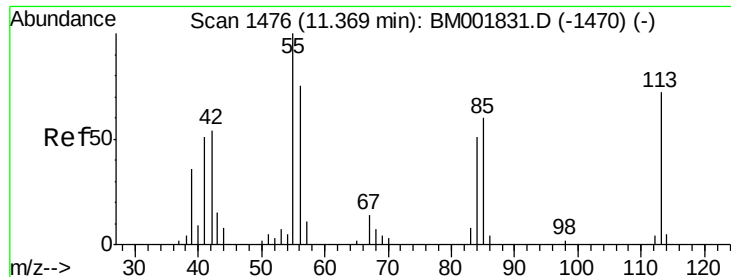
Tgt Ion:162 Resp: 218538
 Ion Ratio Lower Upper
 162 100
 164 63.7 55.1 82.7
 98 35.9 30.8 46.2



#28
 Naphthalene
 Concen: 58.07 ng/ul
 RT: 10.50 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: BM001841.D
 Acq: 06 Jul 2015 17:55

Tgt Ion:128 Resp: 619321
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.7 13.1
 127 13.6 10.0 15.0





#32

Caprolactam

Concen: 27.68 ng/ul

RT: 11.36 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

Instrument :

BNA_M

ClientSampleId :

G93M6

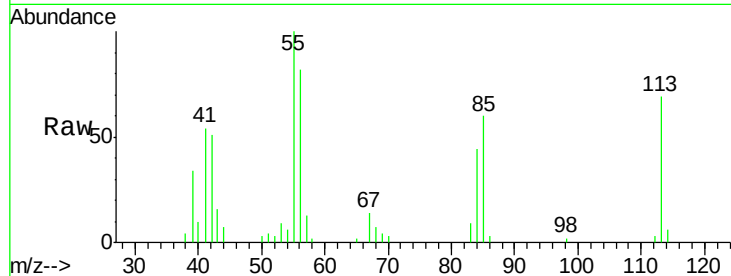
Tgt Ion:113 Resp: 27455

Ion Ratio Lower Upper

113 100

55 145.4 123.3 184.9

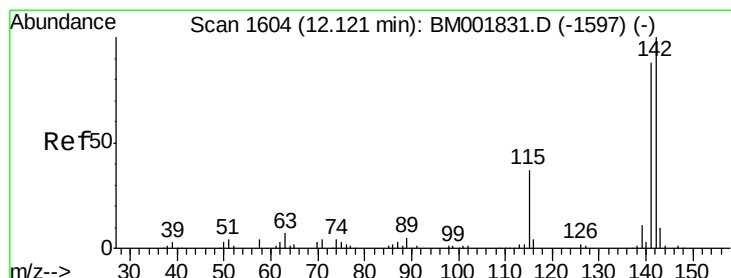
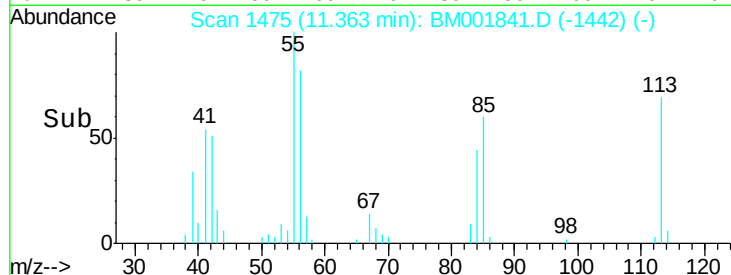
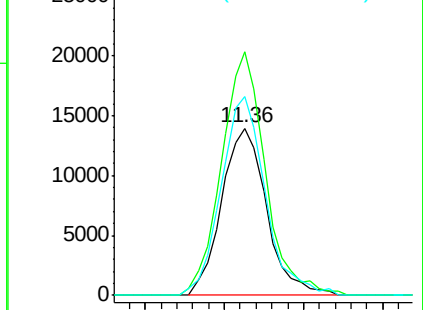
56 119.1 98.6 147.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#34

2-Methylnaphthalene

Concen: 60.98 ng/ul

RT: 12.12 min Scan# 1604

Delta R.T. 0.00 min

Lab File: BM001841.D

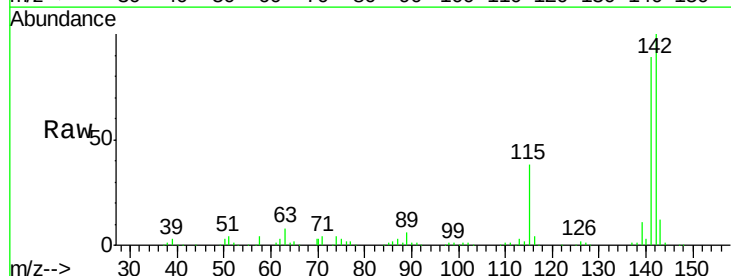
Acq: 06 Jul 2015 17:55

Tgt Ion:142 Resp: 470358

Ion Ratio Lower Upper

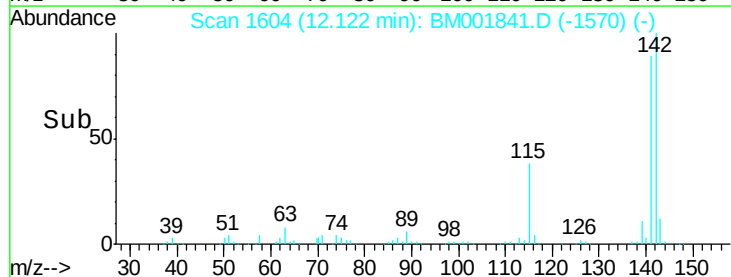
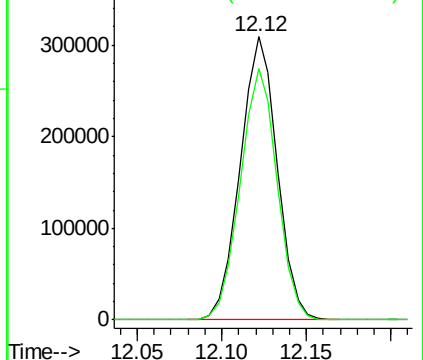
142 100

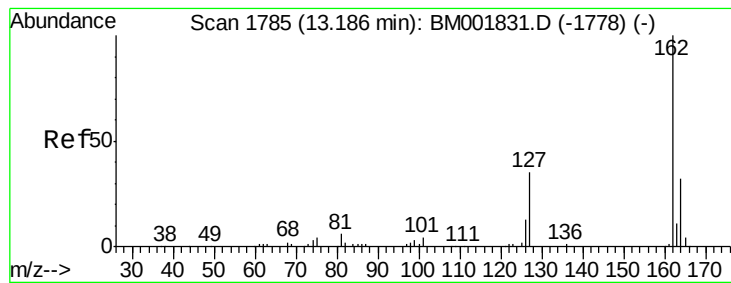
141 89.0 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#41

2-Chloronaphthalene

Concen: 64.74 ng/ul

RT: 13.19 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

Instrument :

BNA_M

ClientSampleId :

G93M6

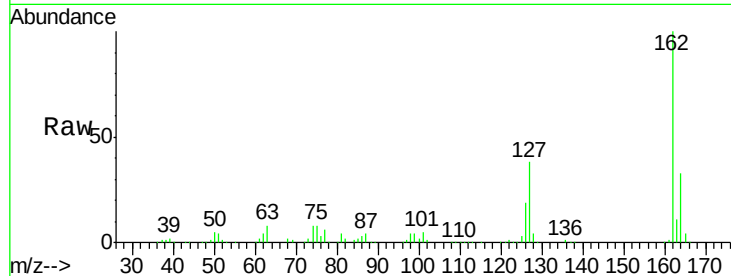
Tgt Ion:162 Resp: 520185

Ion Ratio Lower Upper

162 100

164 32.5 27.2 40.8

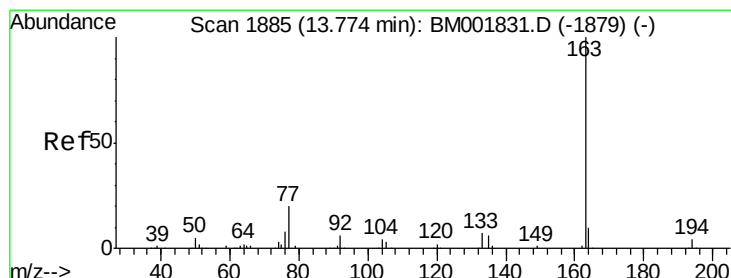
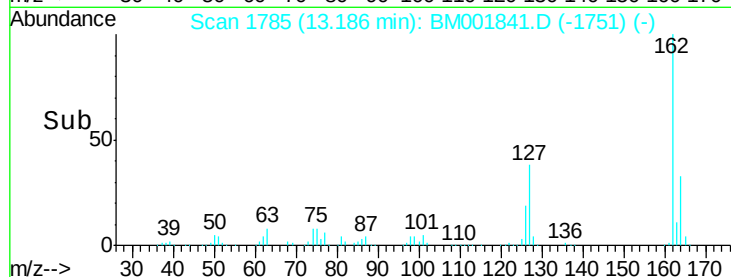
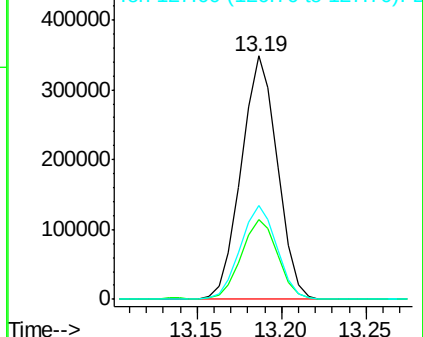
127 38.5 32.6 49.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 127.00 (126.70 to 127.70): E



#44

Dimethylphthalate

Concen: 8.46 ng/ul

RT: 13.77 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

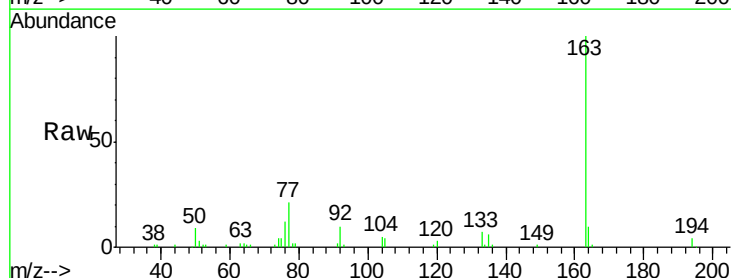
Tgt Ion:163 Resp: 86145

Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

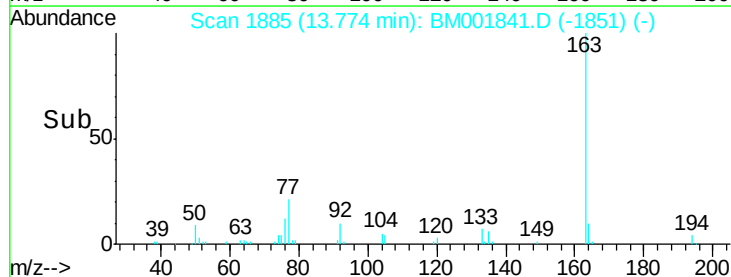
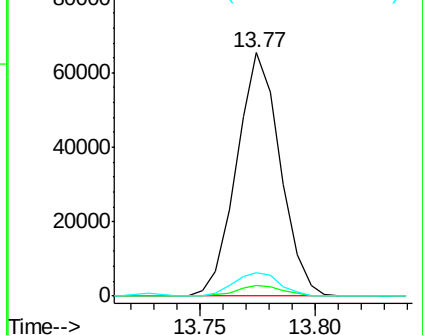
164 9.7 8.0 12.0

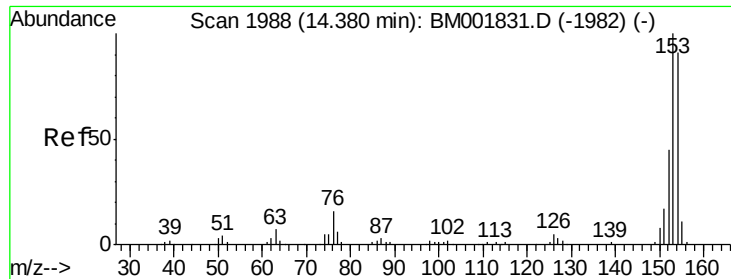


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 34.81 ng/ul

RT: 14.38 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

Instrument :

BNA_M

ClientSampleId :

G93M6

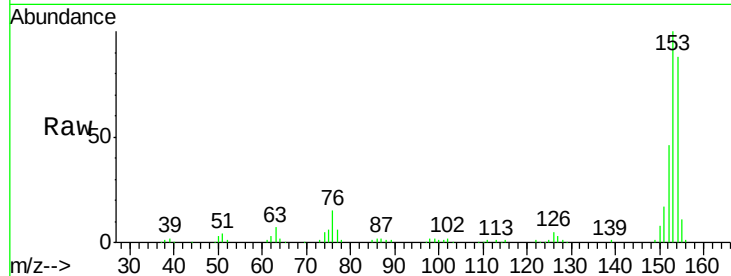
Tgt Ion:153 Resp: 289502

Ion Ratio Lower Upper

153 100

152 46.4 36.6 55.0

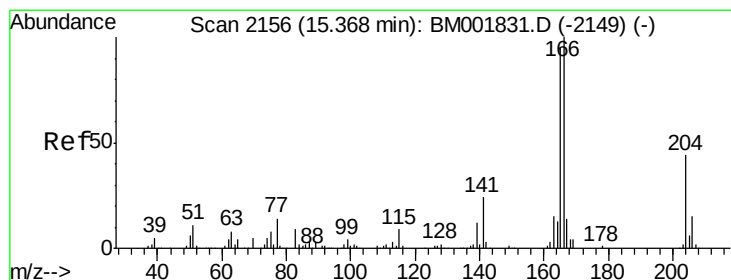
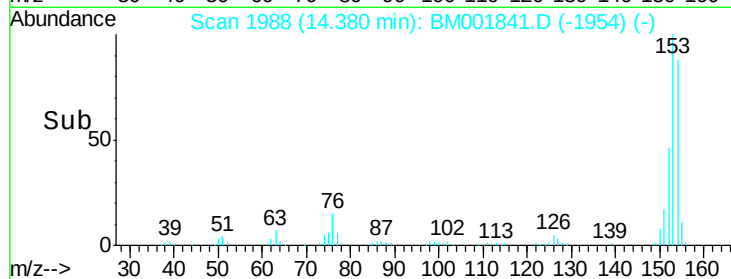
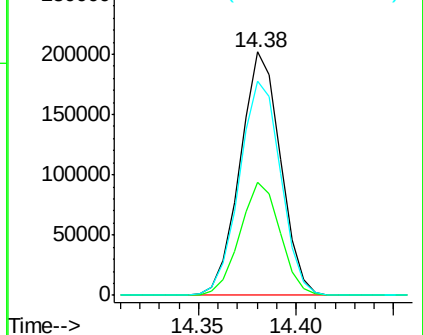
154 87.9 72.6 108.8



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



#58

Fluorene

Concen: 37.17 ng/ul

RT: 15.37 min Scan# 2156

Delta R.T. 0.00 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

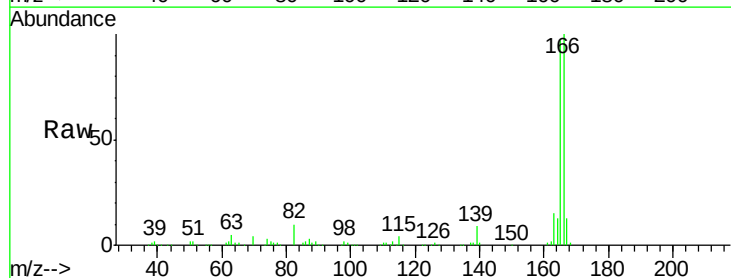
Tgt Ion:166 Resp: 368409

Ion Ratio Lower Upper

166 100

165 96.6 77.4 116.2

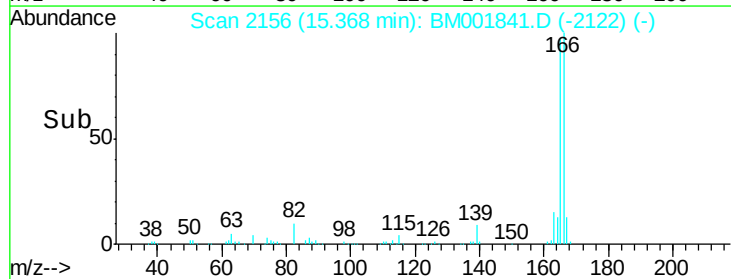
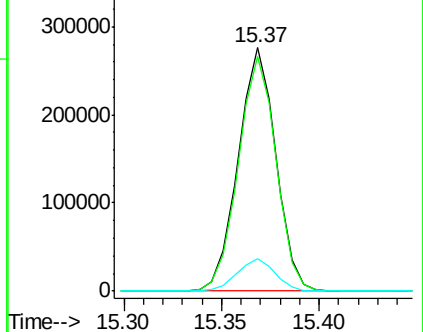
167 13.3 11.3 16.9

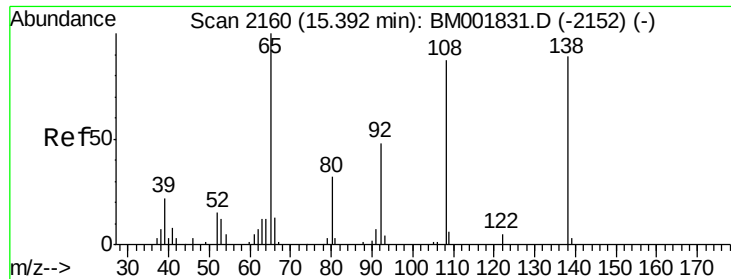


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

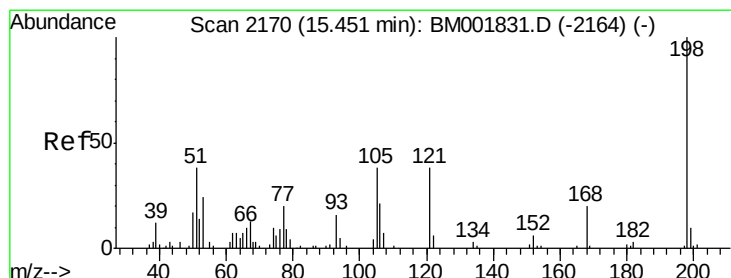
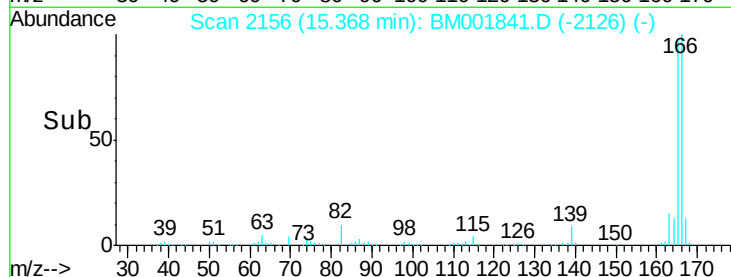
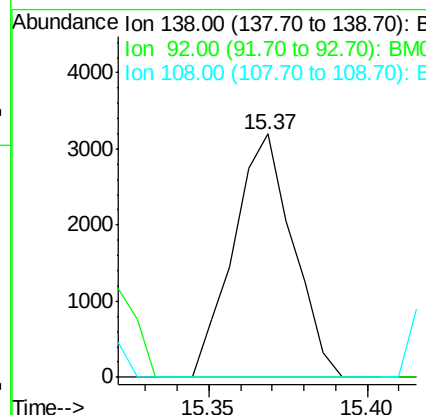
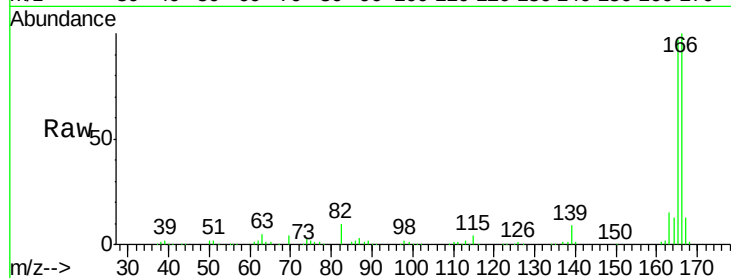




#60
4-Nitroaniline
Concen: 2.05 ng/ul
RT: 15.37 min Scan# 2156
Delta R.T. -0.02 min
Lab File: BM001841.D
Acq: 06 Jul 2015 17:55

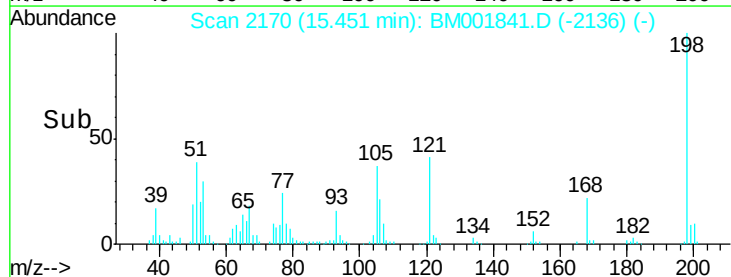
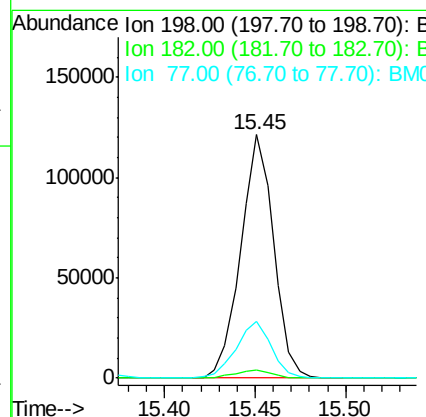
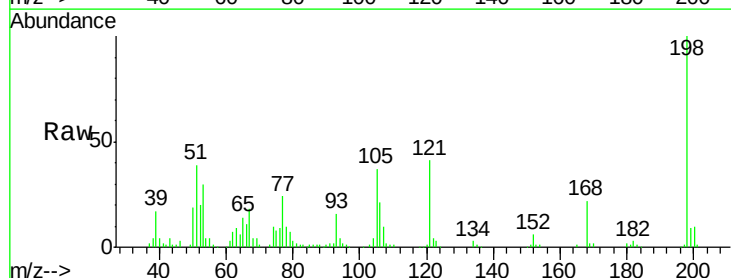
Instrument :
BNA_M
ClientSampleId :
G93M6

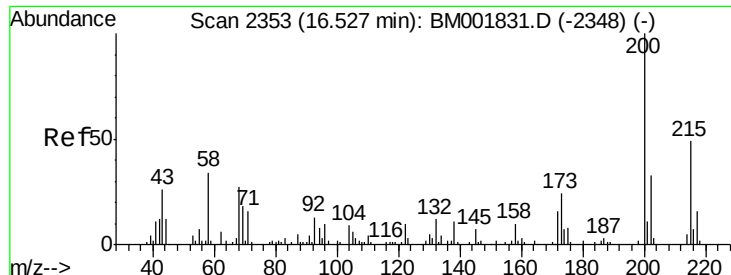
Tgt Ion:138 Resp: 4160
Ion Ratio Lower Upper
138 100
92 0.0 45.6 68.4#
108 0.0 89.6 134.4#



#63
4,6-Dinitro-2-methylphenol
Concen: 82.83 ng/ul
RT: 15.45 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BM001841.D
Acq: 06 Jul 2015 17:55

Tgt Ion:198 Resp: 153049
Ion Ratio Lower Upper
198 100
182 3.2 2.9 4.3
77 23.6 19.4 29.2

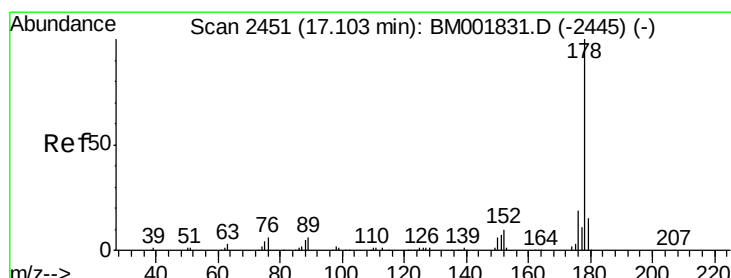
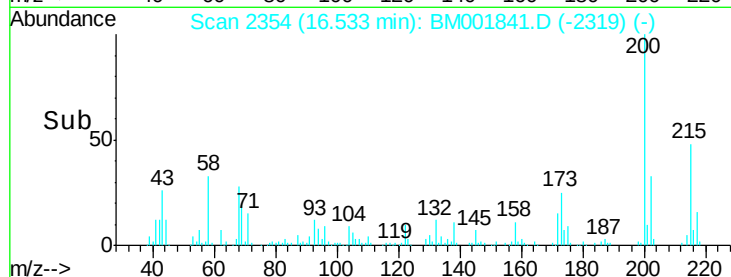
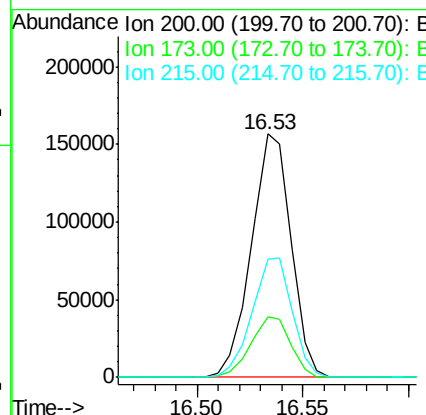
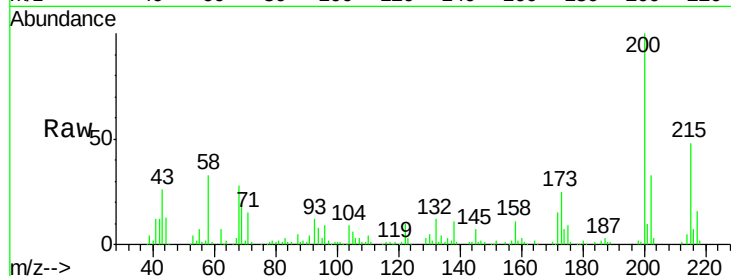




#67
 Atrazine
 Concen: 61.45 ng/ul
 RT: 16.53 min Scan# 2354
 Delta R.T. 0.01 min
 Lab File: BM001841.D
 Acq: 06 Jul 2015 17:55

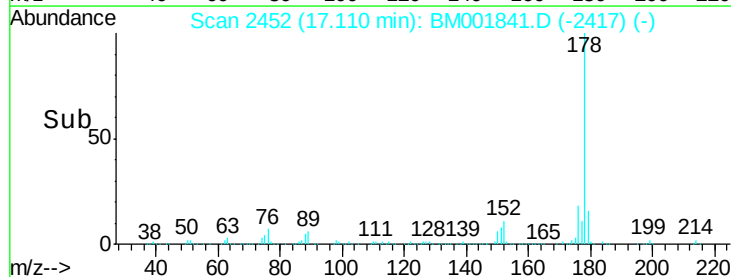
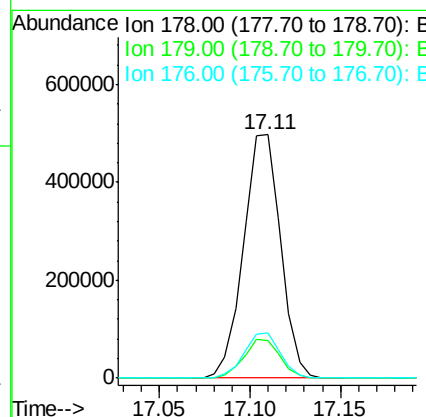
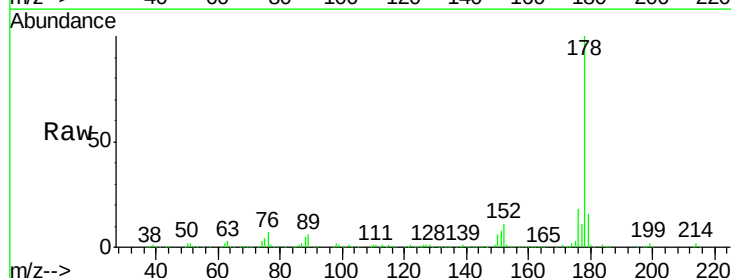
Instrument :
 BNA_M
 ClientSampleId :
 G93M6

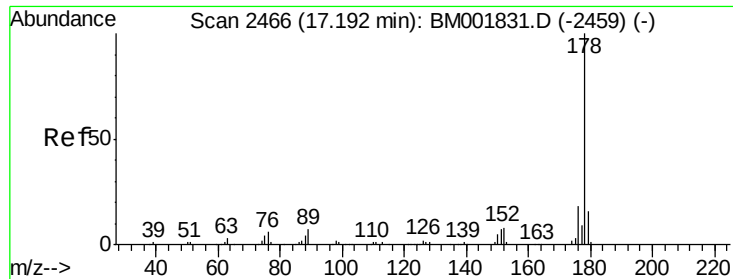
Tgt Ion	Ratio	Lower	Upper
200	100		
173	24.7	19.6	29.4
215	48.5	36.2	54.4



#69
 Phenanthrene
 Concen: 46.03 ng/ul
 RT: 17.11 min Scan# 2452
 Delta R.T. 0.01 min
 Lab File: BM001841.D
 Acq: 06 Jul 2015 17:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.9	17.9
176	18.3	15.2	22.8

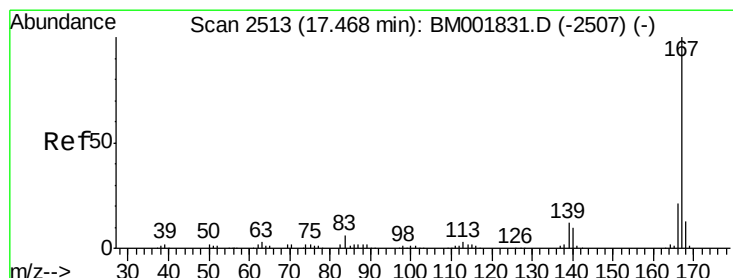
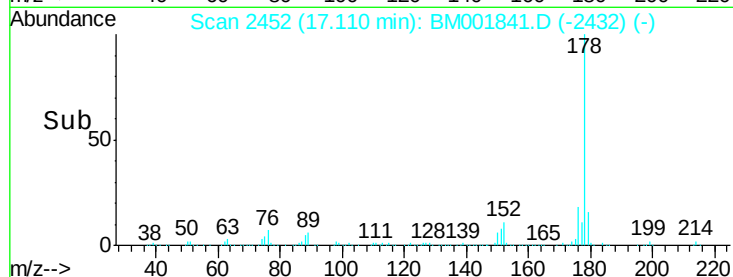
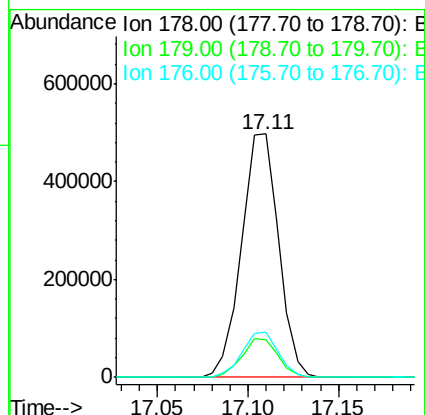
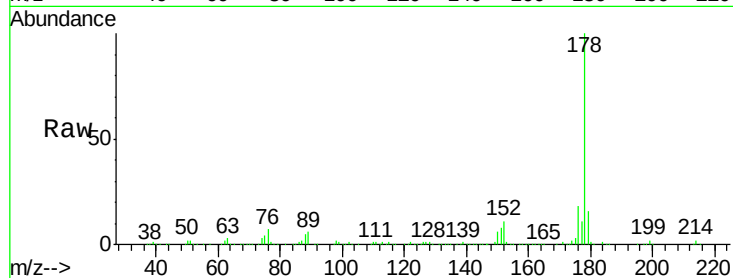




#71
 Anthracene
 Concen: 44.83 ng/ul
 RT: 17.11 min Scan# 2452
 Delta R.T. -0.08 min
 Lab File: BM001841.D
 Acq: 06 Jul 2015 17:55

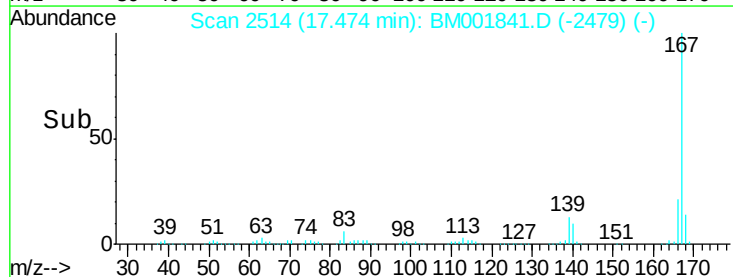
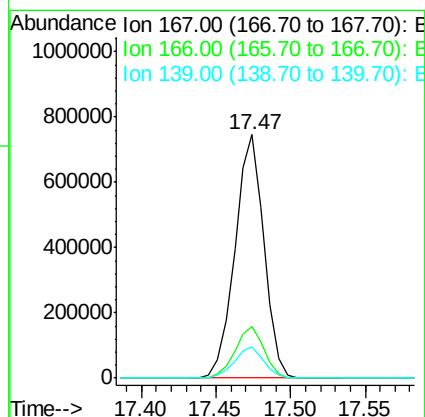
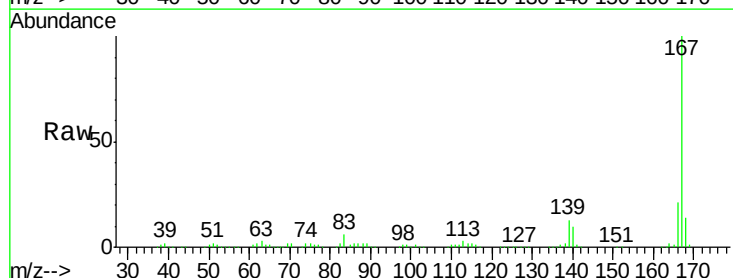
Instrument :
 BNA_M
 ClientSampleId :
 G93M6

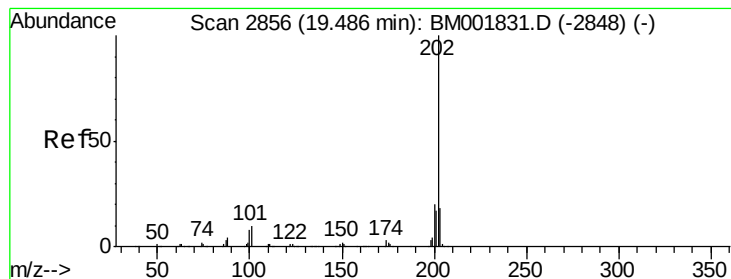
Tgt Ion:178 Resp: 708588
 Ion Ratio Lower Upper
 178 100
 179 15.6 11.8 17.8
 176 18.3 14.4 21.6



#74
 Carbazole
 Concen: 72.80 ng/ul
 RT: 17.47 min Scan# 2514
 Delta R.T. 0.01 min
 Lab File: BM001841.D
 Acq: 06 Jul 2015 17:55

Tgt Ion:167 Resp: 1009549
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.4 26.2
 139 12.9 10.1 15.1





#79

Pyrene

Concen: 59.52 ng/ul

RT: 19.49 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

Instrument :

BNA_M

ClientSampleId :

G93M6

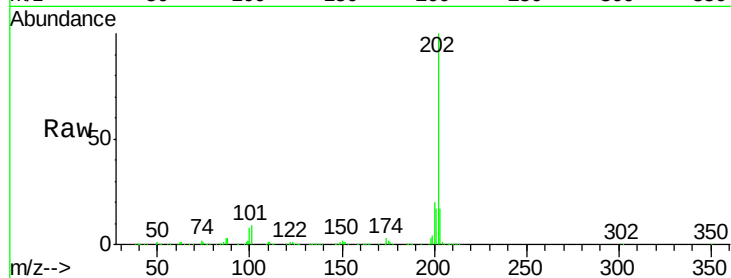
Tgt Ion:202 Resp: 1174433

Ion Ratio Lower Upper

202 100

101 9.3 6.9 10.3

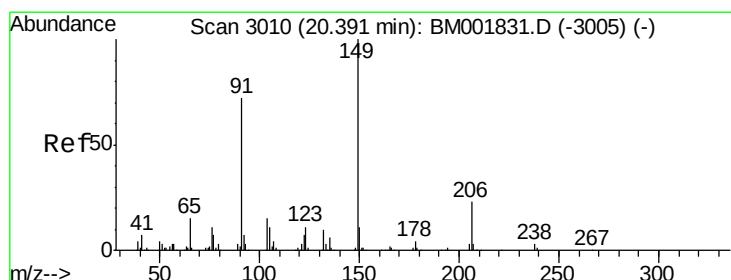
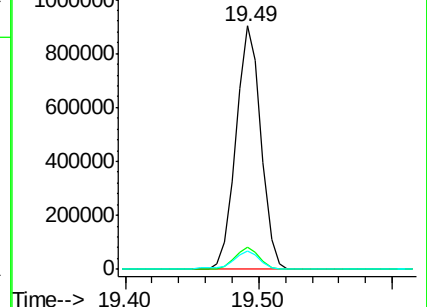
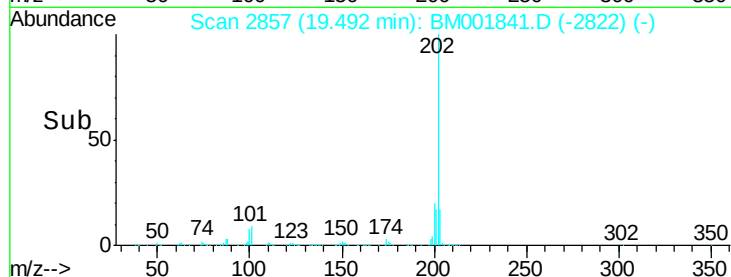
100 7.6 6.2 9.2



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

Butylbenzylphthalate

Concen: 67.37 ng/ul

RT: 20.40 min Scan# 3011

Delta R.T. 0.01 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

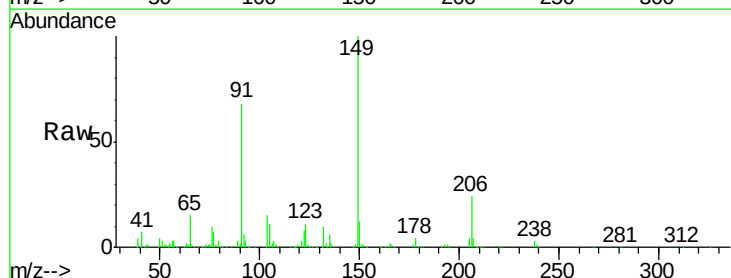
Tgt Ion:149 Resp: 433703

Ion Ratio Lower Upper

149 100

91 68.4 55.0 82.6

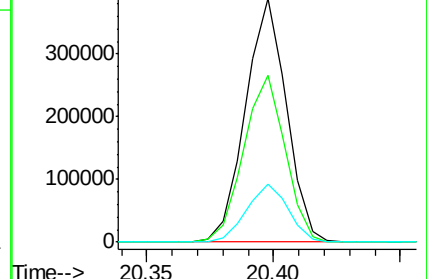
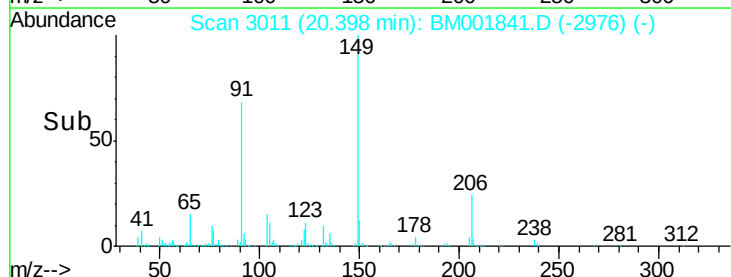
206 23.8 20.8 31.2

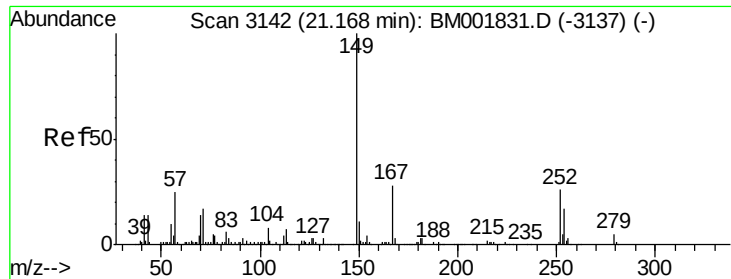


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 62.24 ng/ul

RT: 21.17 min Scan# 3143

Delta R.T. 0.01 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

Instrument :

BNA_M

ClientSampleId :

G93M6

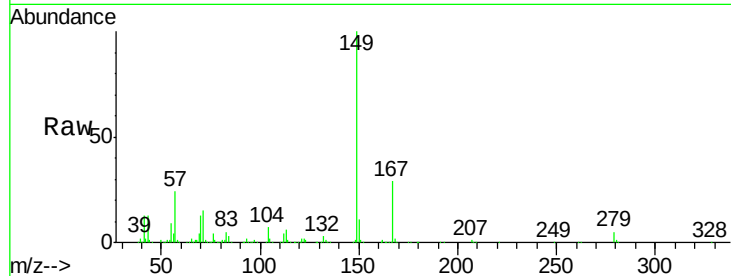
Tgt Ion:149 Resp: 602518

Ion Ratio Lower Upper

149 100

167 29.0 22.7 34.1

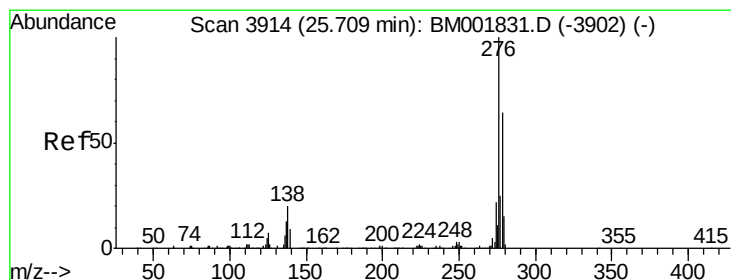
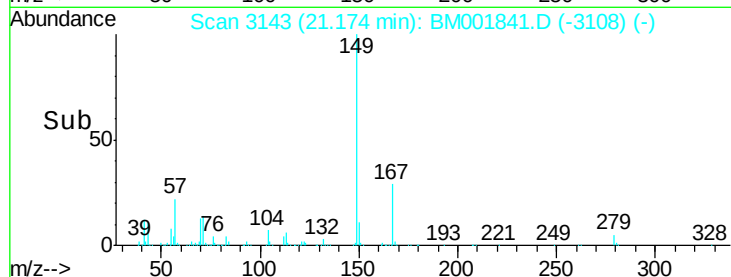
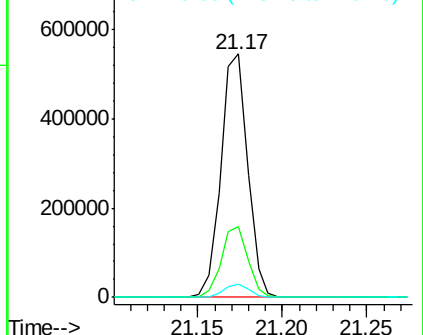
279 5.4 3.8 5.8



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 61.98 ng/ul

RT: 25.73 min Scan# 3918

Delta R.T. 0.02 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

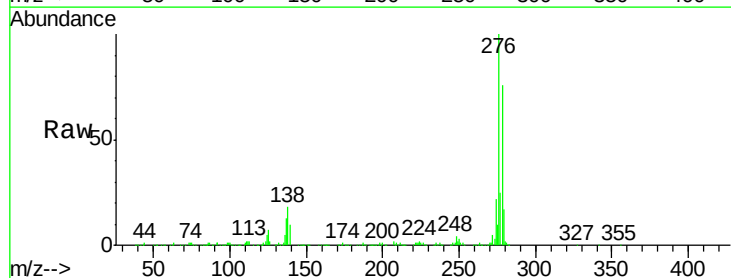
Tgt Ion:276 Resp: 1489645

Ion Ratio Lower Upper

276 100

138 17.9 14.7 22.1

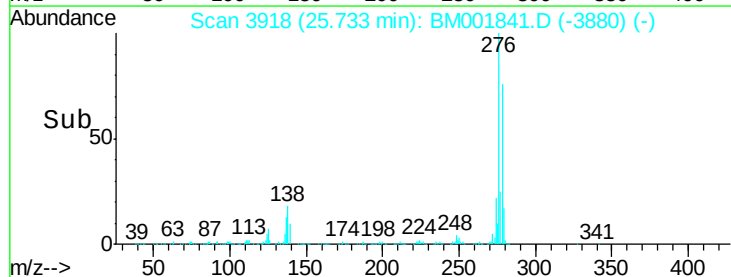
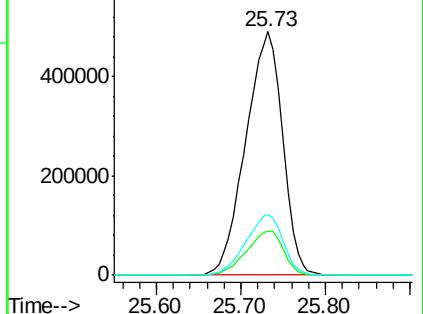
277 25.1 19.7 29.5

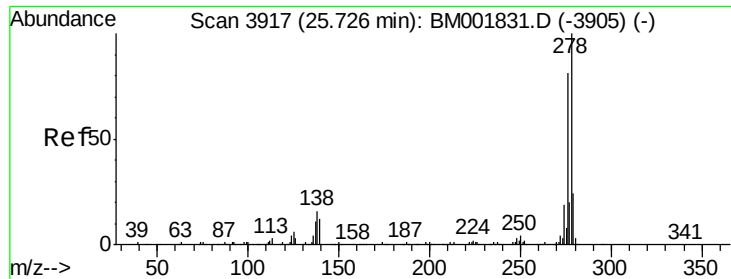


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 49.43 ng/ul

RT: 25.74 min Scan# 3919

Delta R.T. 0.01 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

Instrument :

BNA_M

ClientSampleId :

G93M6

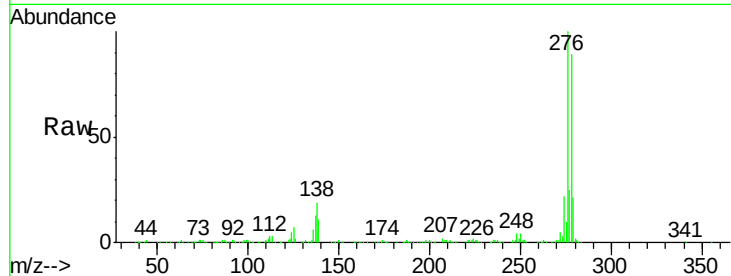
Tgt Ion:278 Resp: 1002318

Ion Ratio Lower Upper

278 100

139 13.0 9.2 13.8

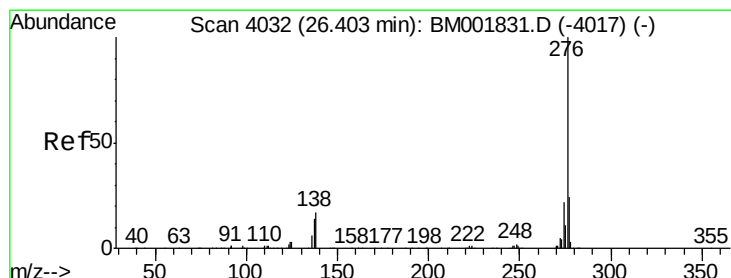
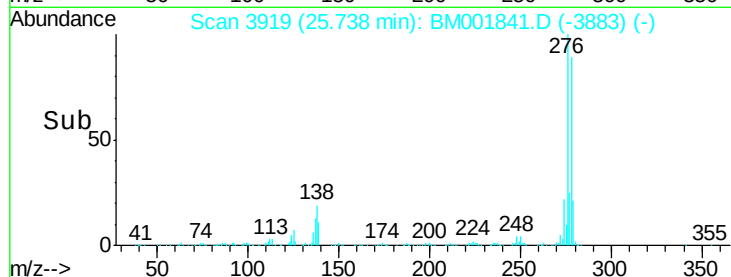
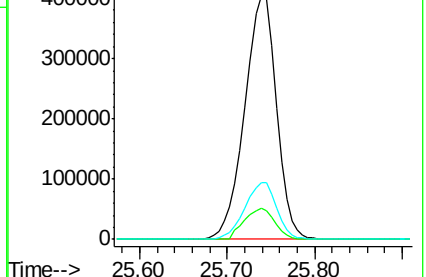
279 23.5 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 46.42 ng/ul

RT: 26.41 min Scan# 4034

Delta R.T. 0.01 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

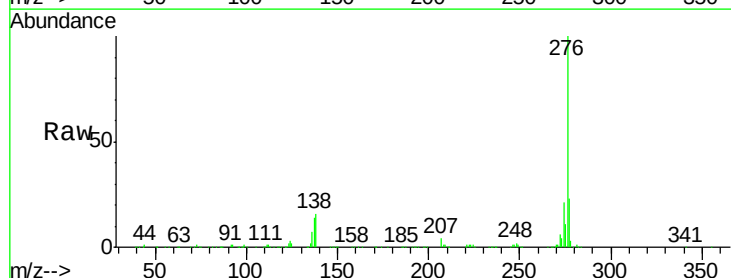
Tgt Ion:276 Resp: 938329

Ion Ratio Lower Upper

276 100

138 15.9 12.6 19.0

277 22.7 18.7 28.1



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

