

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 06:04:03 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
4) Benzaldehyde	6.81	77	170487	62.41	ng/ul	98
10) 2-Chlorophenol	7.23	128	188027	54.98	ng/ul	97
14) Acetophenone	8.49	105	272803	51.25	ng/ul	97
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
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
74) Carbazole	17.47	167	1009549	72.80	ng/ul	99
79) Pyrene	19.49	202	1174433	59.52	ng/ul	99
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

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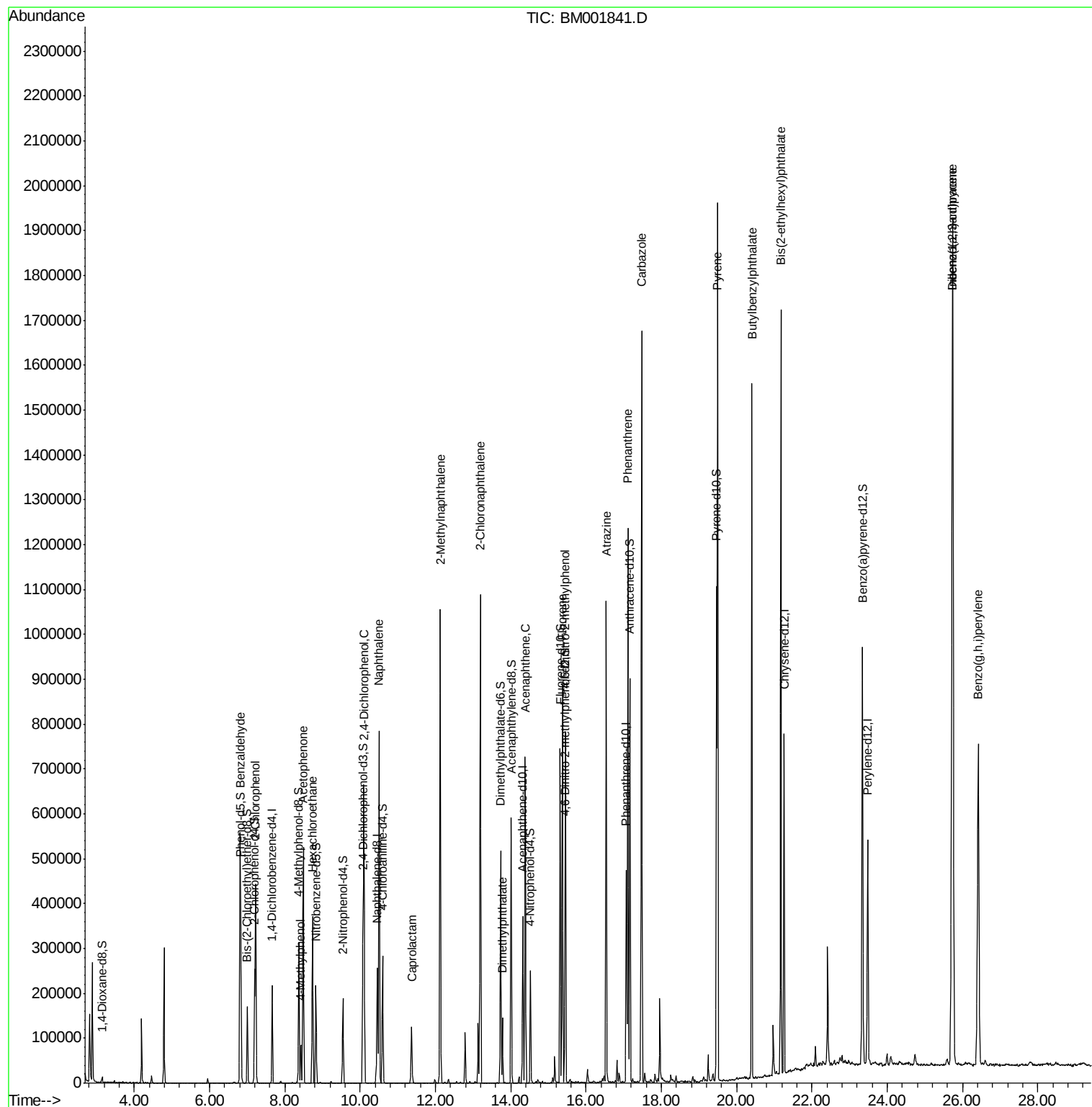
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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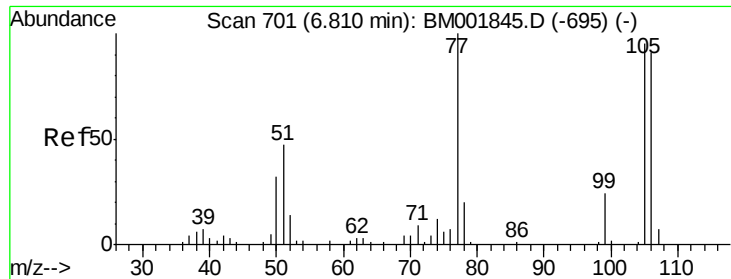
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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

Instrument :

BNA_M

ClientSampled :

G93M6

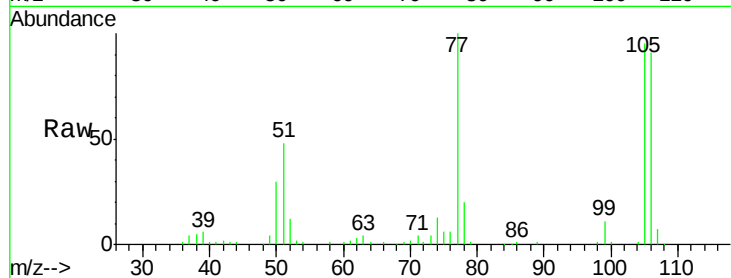
Tgt Ion: 77 Resp: 170487

Ion Ratio Lower Upper

77 100

105 95.0 79.3 118.9

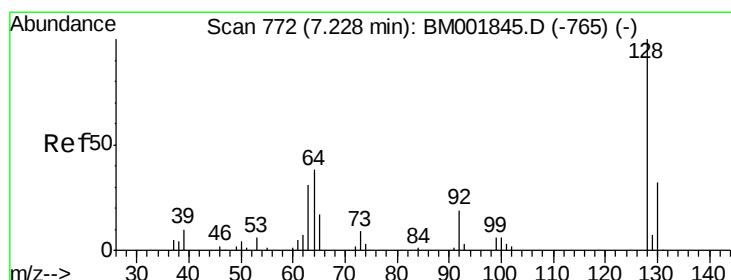
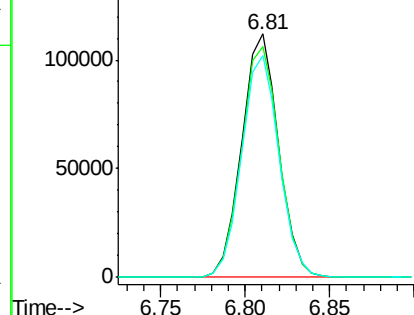
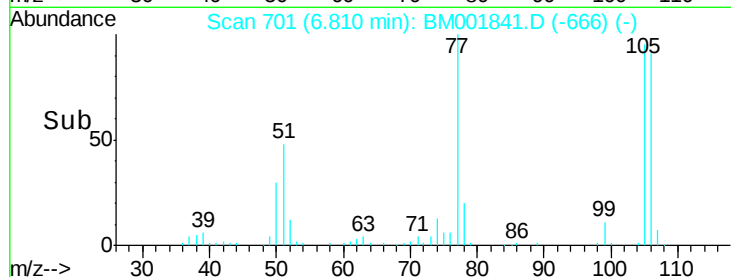
106 91.1 72.8 109.2



Abundance Ion 77.00 (76.70 to 77.70): BM001841.D (-666) (-)

Ion 105.00 (104.70 to 105.70): BM001841.D (-666) (-)

Ion 106.00 (105.70 to 106.70): BM001841.D (-666) (-)



#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

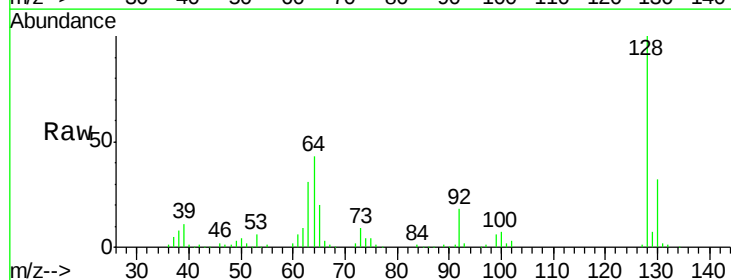
Tgt Ion: 128 Resp: 188027

Ion Ratio Lower Upper

128 100

64 43.2 37.4 56.2

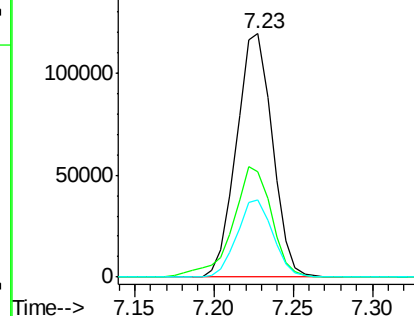
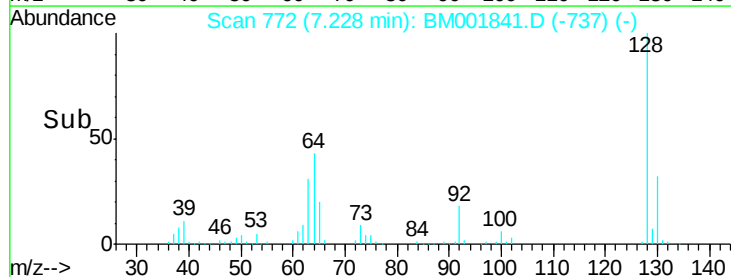
130 31.7 25.4 38.0

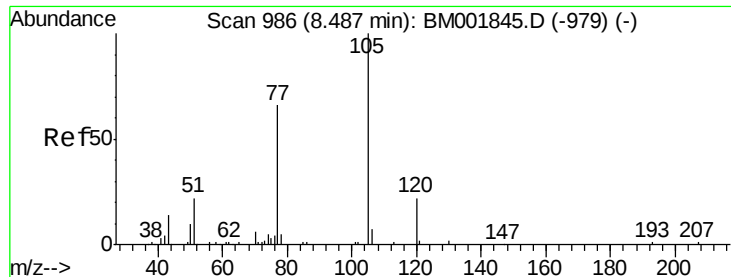


Abundance Ion 128.00 (127.70 to 128.70): BM001841.D (-737) (-)

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

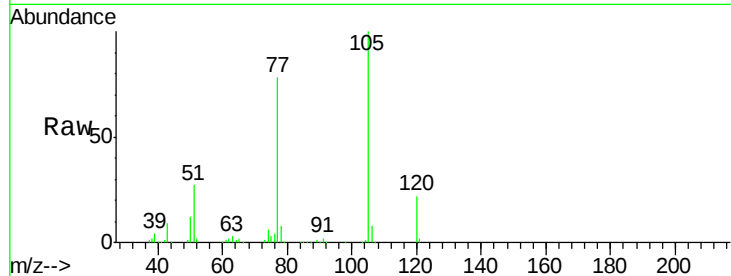
Tgt Ion:105 Resp: 272803

Ion Ratio Lower Upper

105 100

77 77.6 64.2 96.4

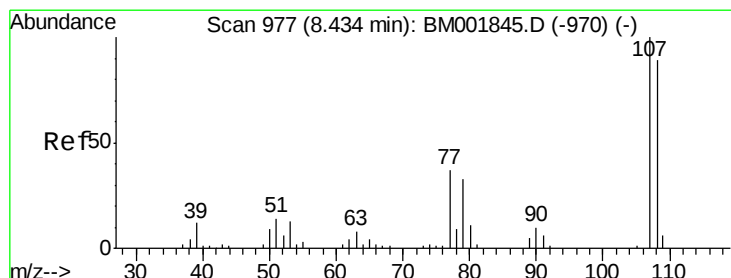
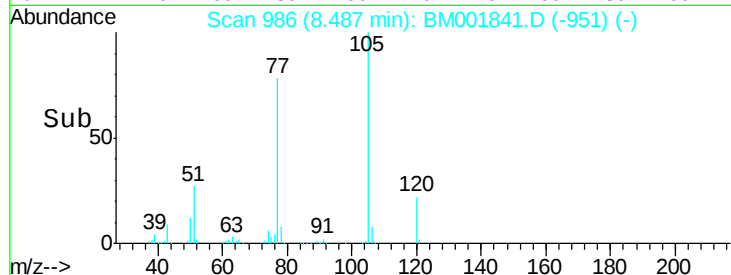
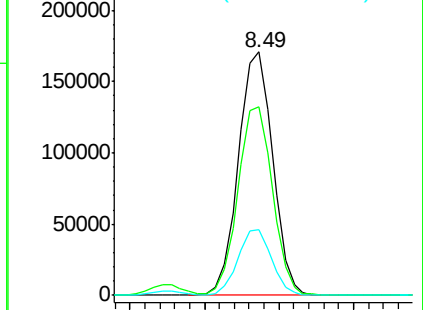
51 26.9 22.0 33.0



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM001841.D (-979) (-)

Ion 51.00 (50.70 to 51.70): BM001841.D (-979) (-)



#16

4-Methylphenol

Concen: 8.64 ng/ul

RT: 8.43 min Scan# 976

Delta R.T. -0.01 min

Lab File: BM001841.D

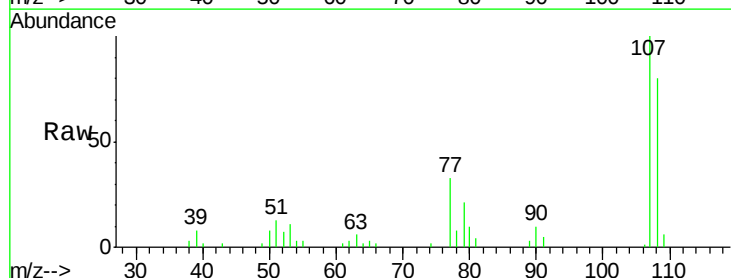
Acq: 06 Jul 2015 17:55

Tgt Ion:108 Resp: 29951

Ion Ratio Lower Upper

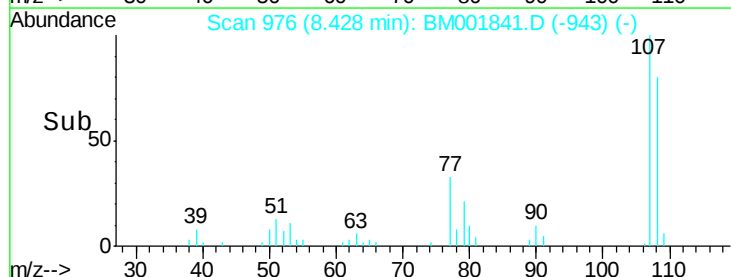
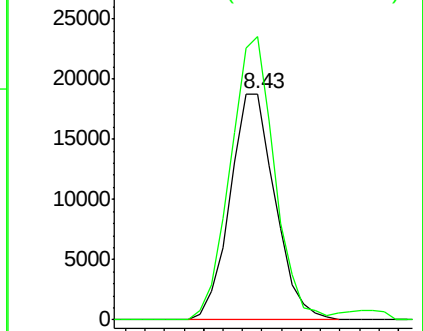
108 100

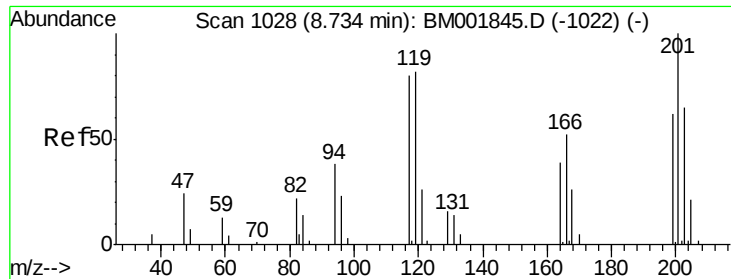
107 125.1 89.9 134.9



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): BM001841.D (-970) (-)

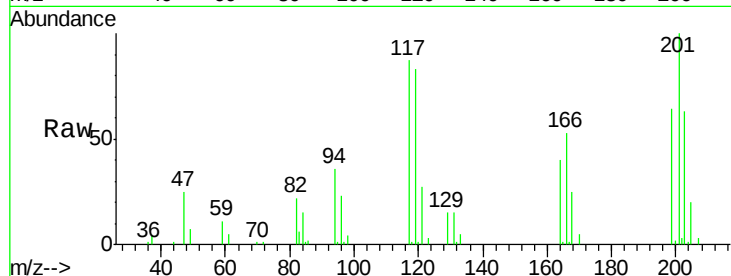




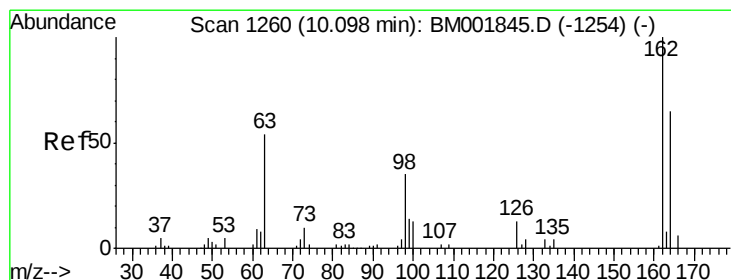
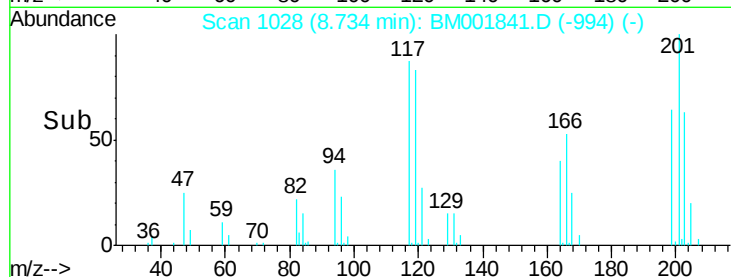
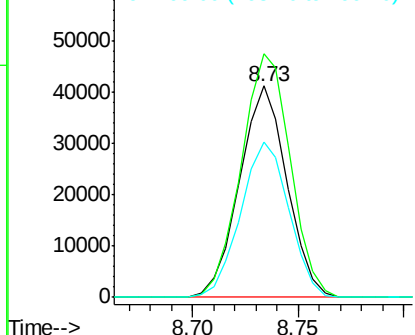
#17
Hexachloroethane
Concen: 46.64 ng/ul
RT: 8.73 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BM001841.D
Acq: 06 Jul 2015 17:55

Instrument :
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ClientSampleId :
G93M6

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

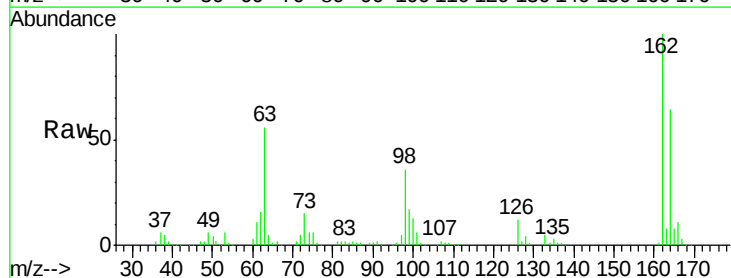


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

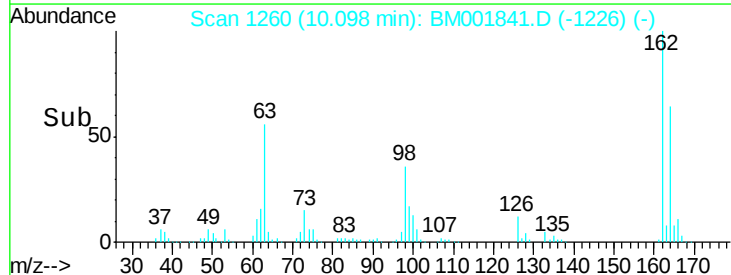
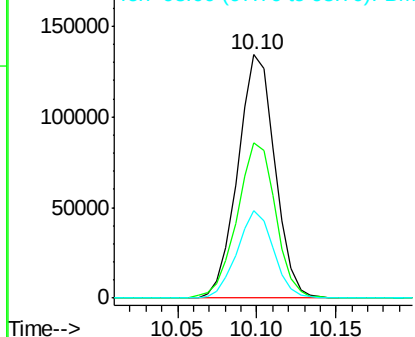


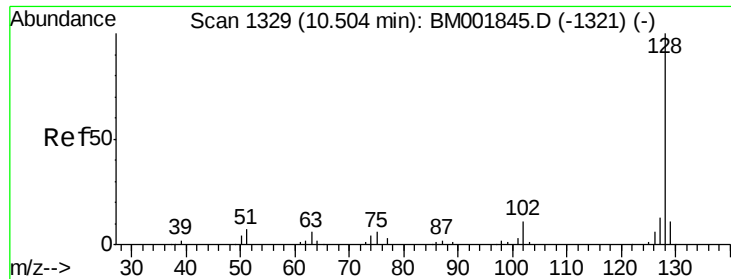
#27
2,4-Dichlorophenol
Concen: 65.82 ng/ul
RT: 10.10 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BM001841.D
Acq: 06 Jul 2015 17:55

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



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BM

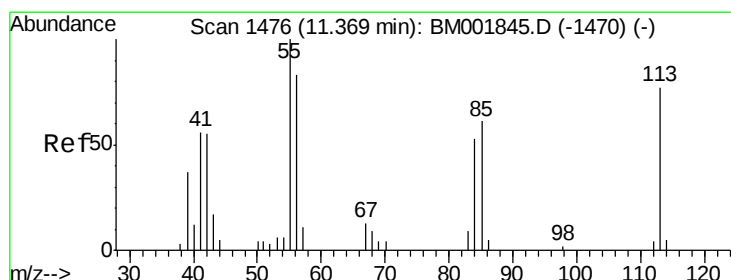
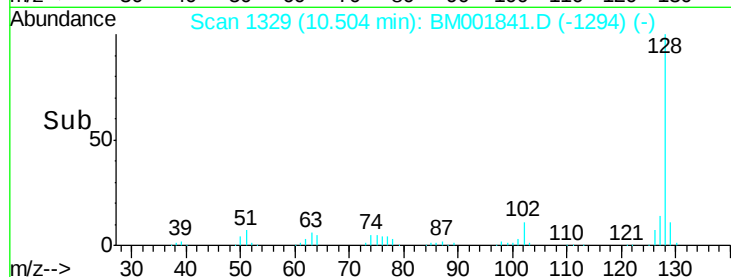
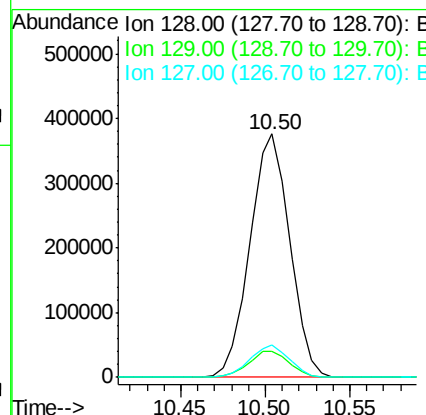
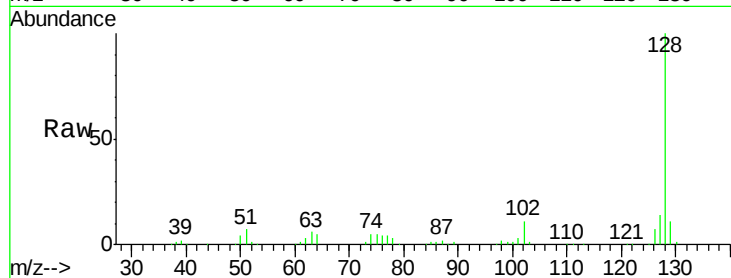




#28
Naphthalene
Concen: 58.07 ng/ul
RT: 10.50 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BM001841.D
Acq: 06 Jul 2015 17:55

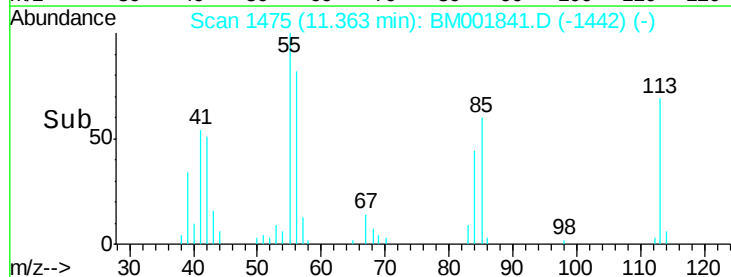
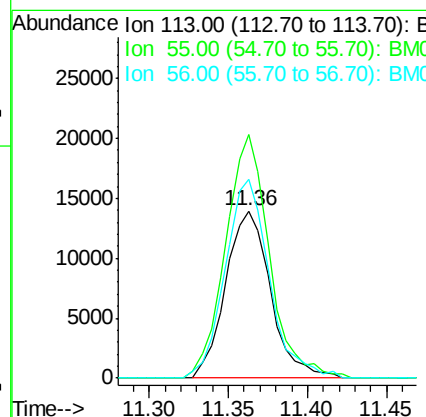
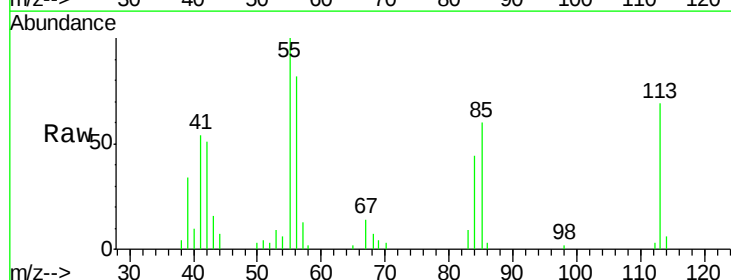
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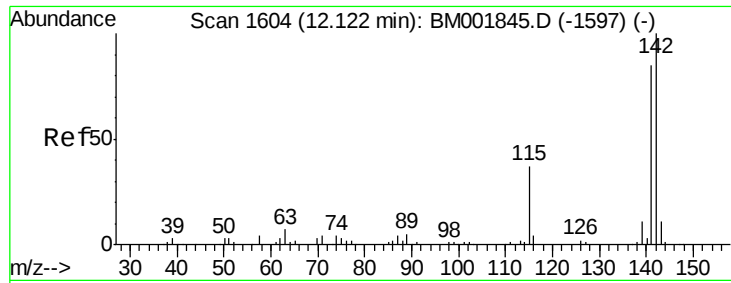
Tgt Ion:128 Resp: 619321
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.6 10.0 15.0



#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

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

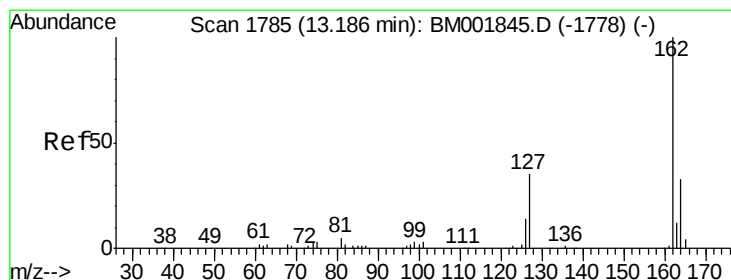
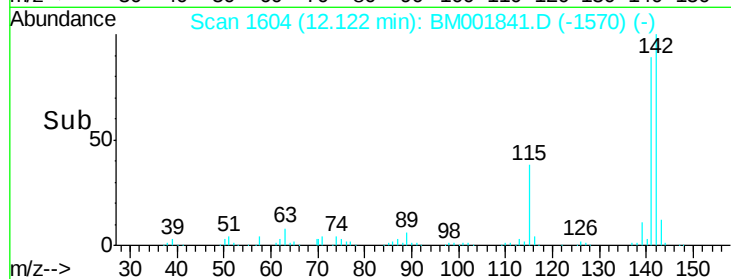
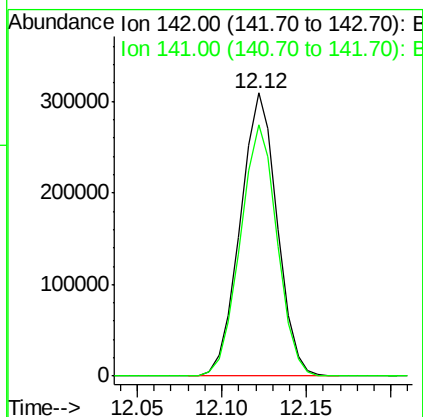
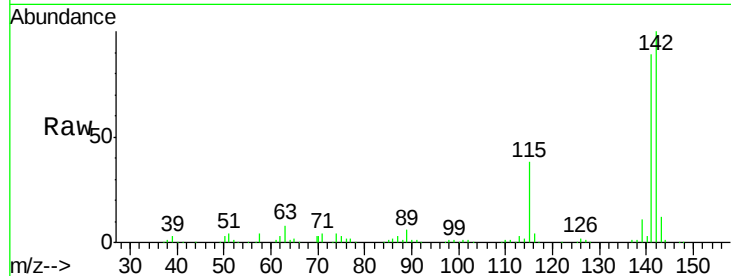




#34
 2-Methylnaphthalene
 Concen: 60.98 ng/ul
 RT: 12.12 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: BM001841.D
 Acq: 06 Jul 2015 17:55

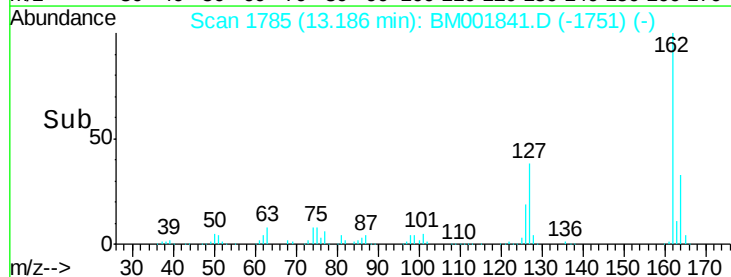
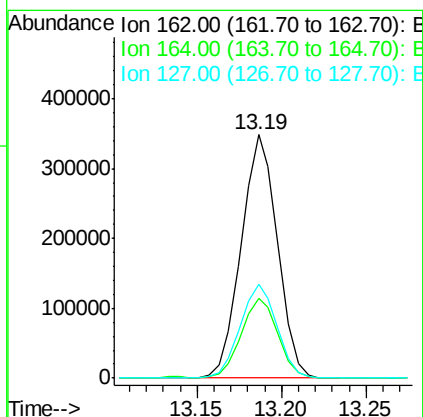
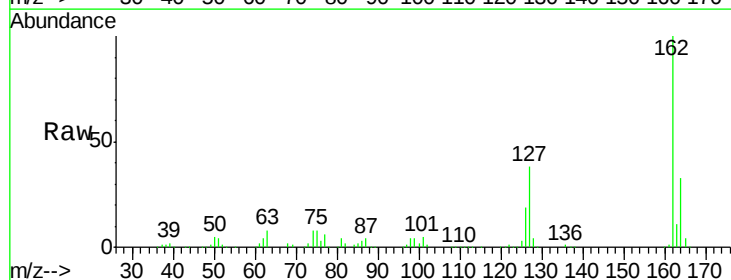
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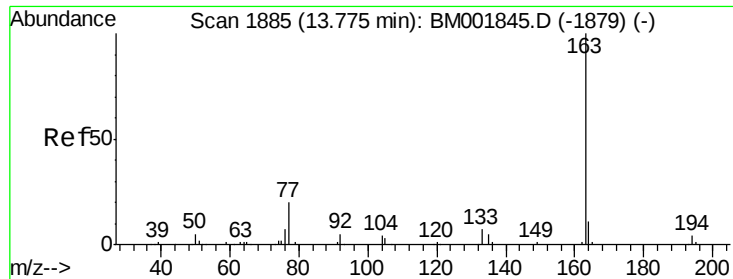
Tgt Ion:142 Resp: 470358
 Ion Ratio Lower Upper
 142 100
 141 89.0 71.6 107.4



#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

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





#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

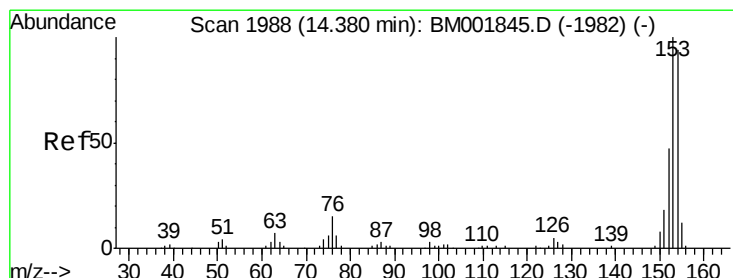
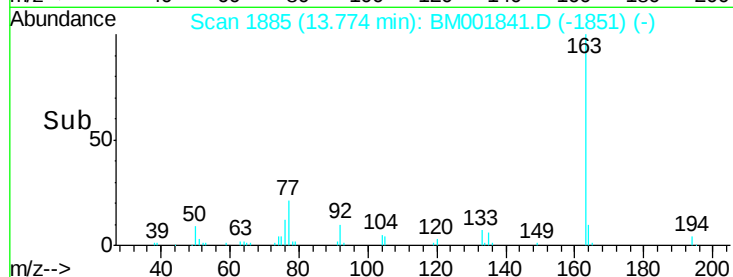
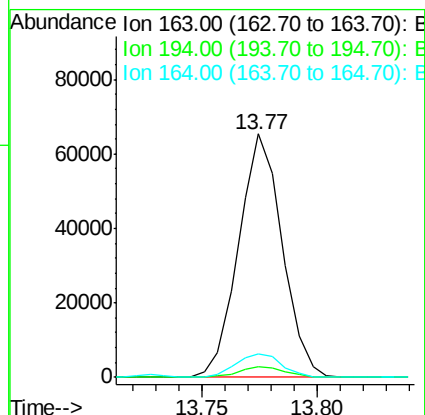
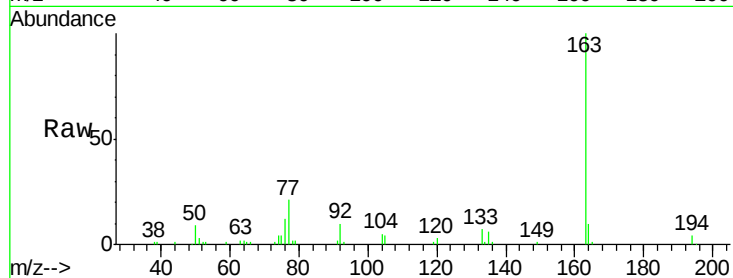
Instrument :

BNA_M

ClientSampleId :

G93M6

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



#49

Acenaphthene

Concen: 34.81 ng/ul

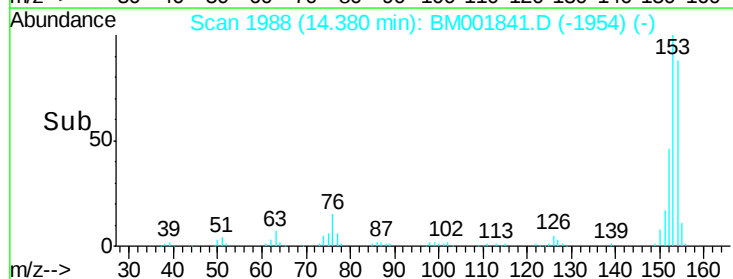
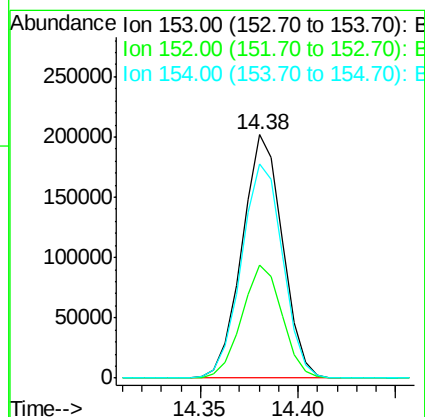
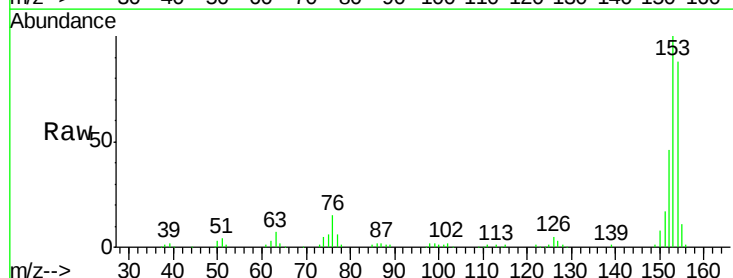
RT: 14.38 min Scan# 1988

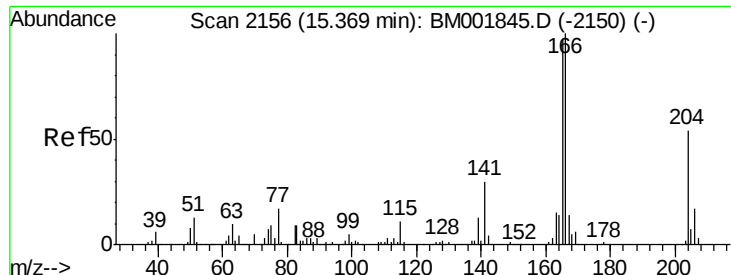
Delta R.T. 0.00 min

Lab File: BM001841.D

Acq: 06 Jul 2015 17:55

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





#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

Instrument :

BNA_M

ClientSampleId :

G93M6

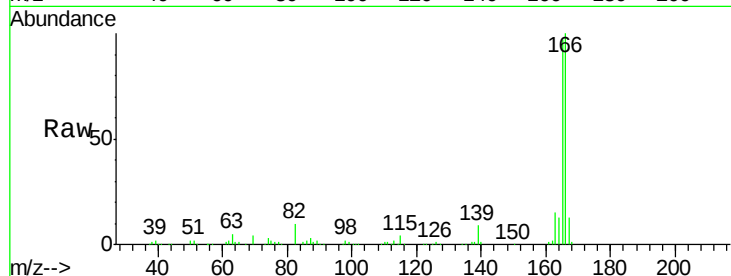
Tgt Ion:166 Resp: 368409

Ion Ratio Lower Upper

166 100

165 96.6 77.4 116.2

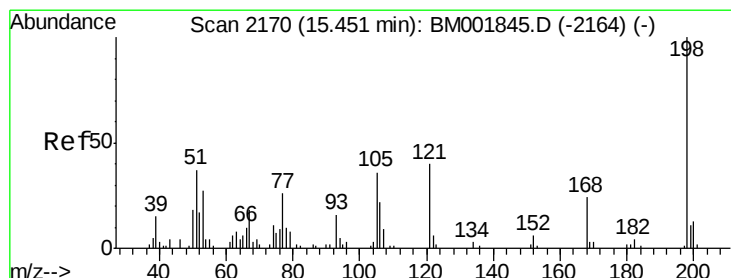
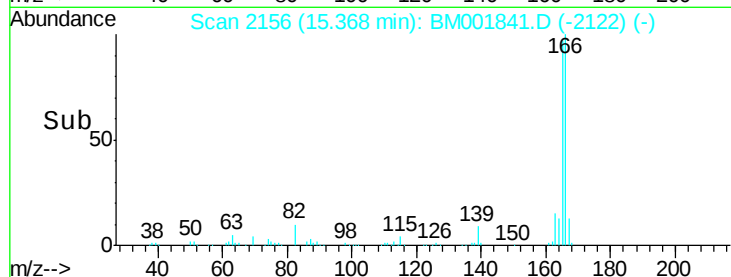
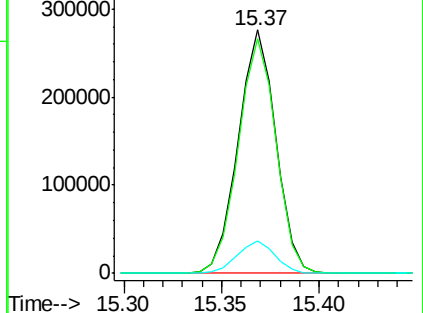
167 13.3 11.3 16.9



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



#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

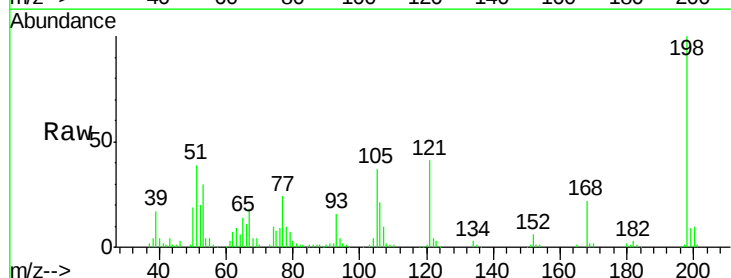
Tgt Ion:198 Resp: 153049

Ion Ratio Lower Upper

198 100

182 3.2 2.9 4.3

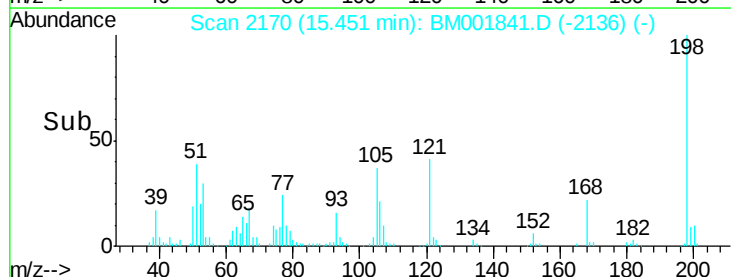
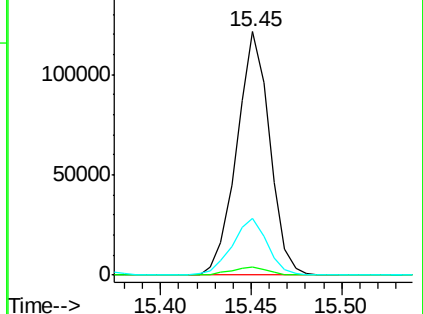
77 23.6 19.4 29.2

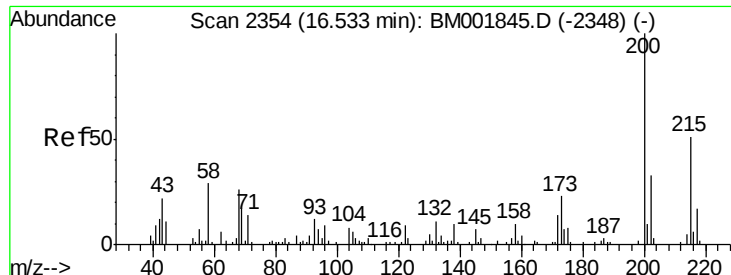


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BM

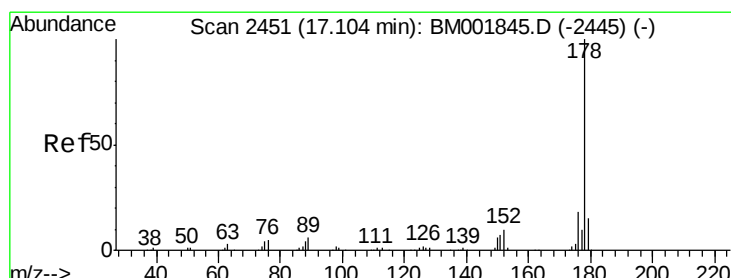
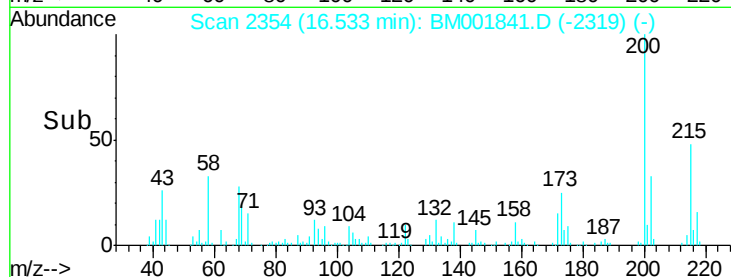
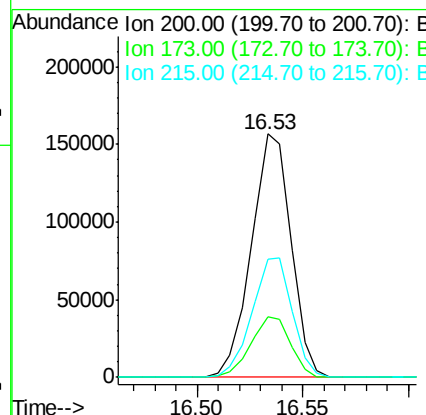
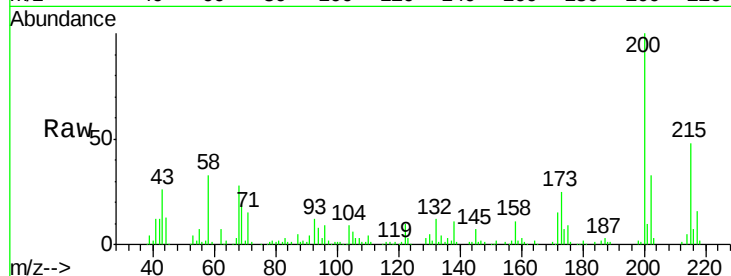




#67
 Atrazine
 Concen: 61.45 ng/ul
 RT: 16.53 min Scan# 2354
 Delta R.T. 0.01 min
 Lab File: BM001841.D
 Acq: 06 Jul 2015 17:55

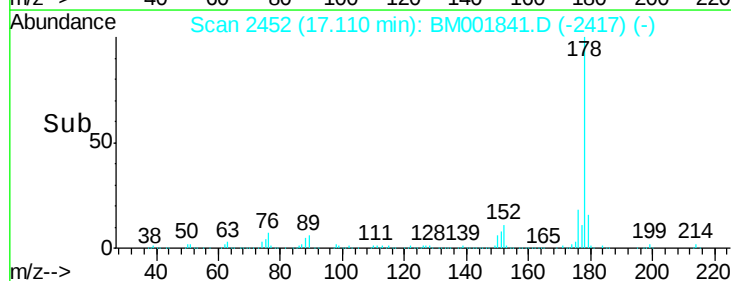
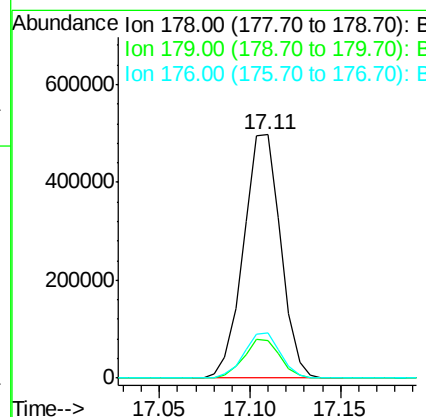
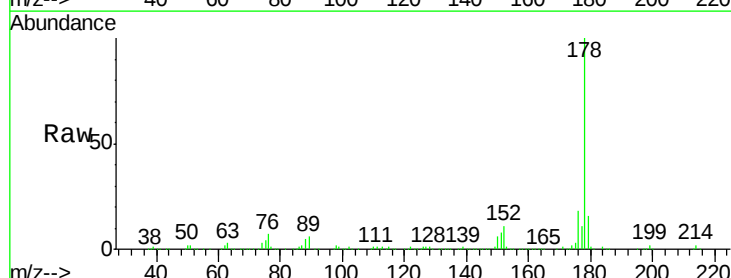
Instrument :
 BNA_M
 ClientSampleId :
 G93M6

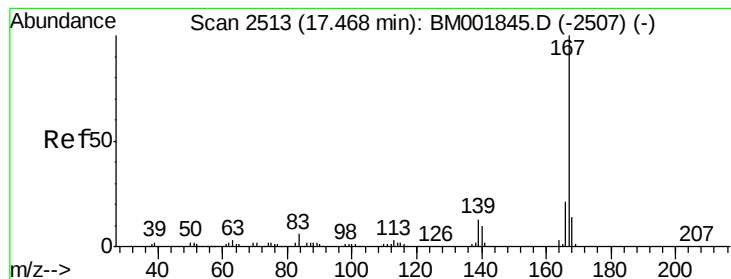
Tgt Ion	Ratio	Lower	Upper
200	100		
173	24.7	19.6	29.4
215	48.5	36.2	54.4



#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





#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

Instrument :

BNA_M

ClientSampleId :

G93M6

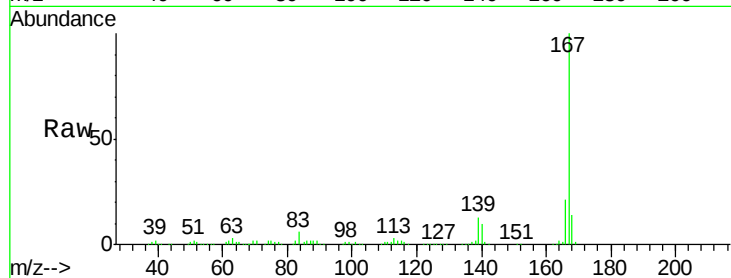
Tgt Ion:167 Resp: 1009549

Ion Ratio Lower Upper

167 100

166 21.2 17.4 26.2

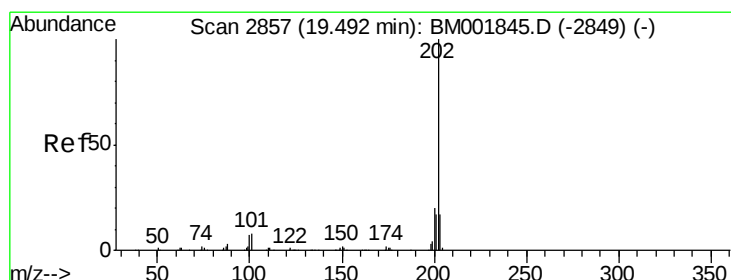
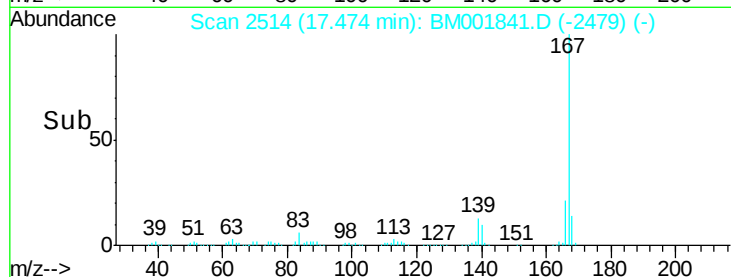
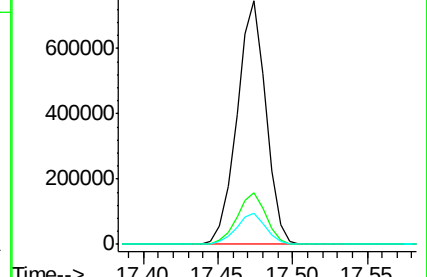
139 12.9 10.1 15.1



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



#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

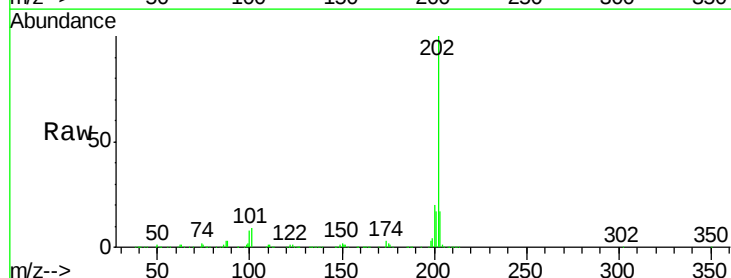
Tgt Ion:202 Resp: 1174433

Ion Ratio Lower Upper

202 100

101 9.3 6.9 10.3

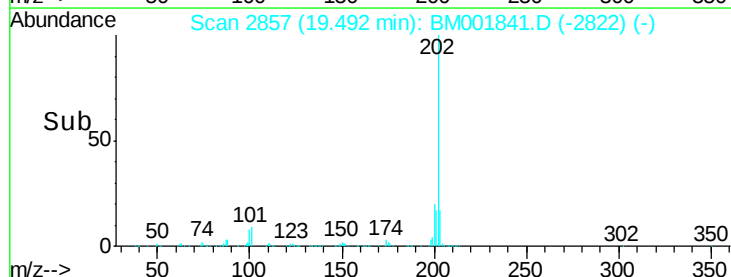
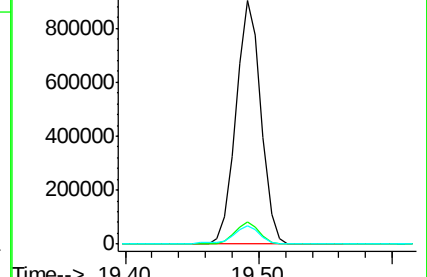
100 7.6 6.2 9.2

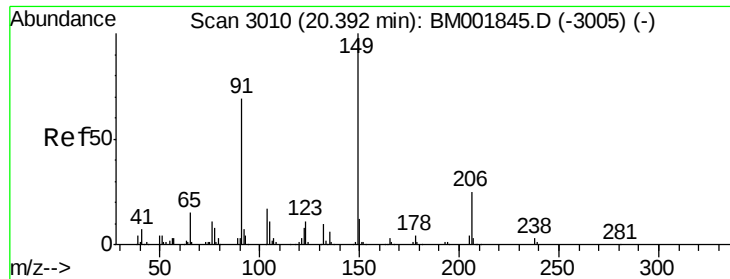


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

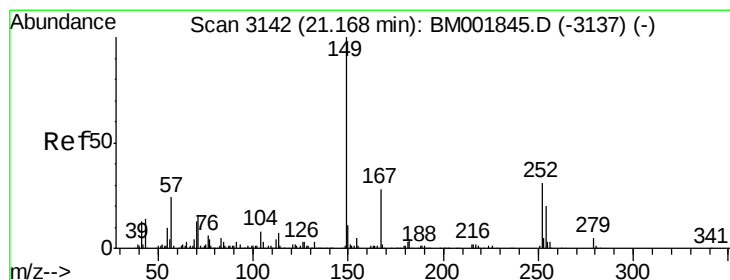
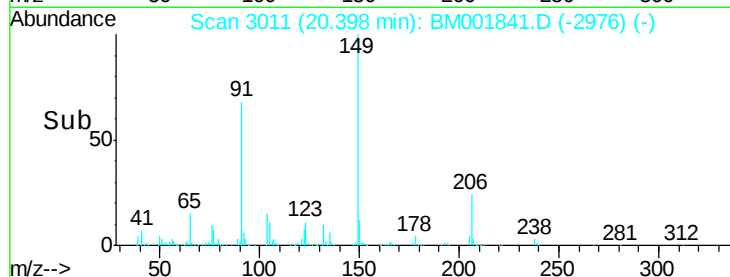
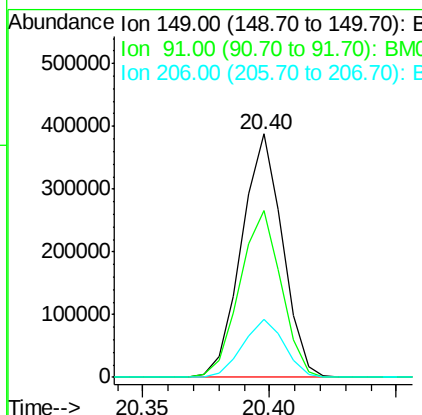
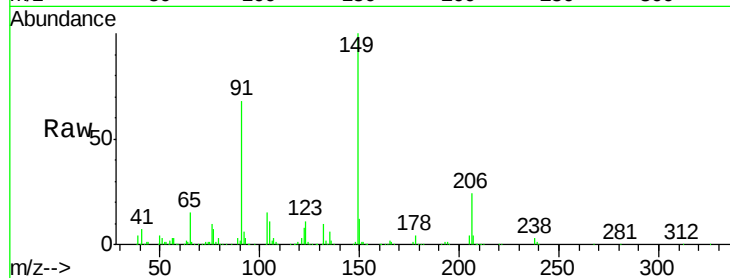




#80
Butylbenzylphthalate
Concen: 67.37 ng/ul
RT: 20.40 min Scan# 3011
Delta R.T. 0.01 min
Lab File: BM001841.D
Acq: 06 Jul 2015 17:55

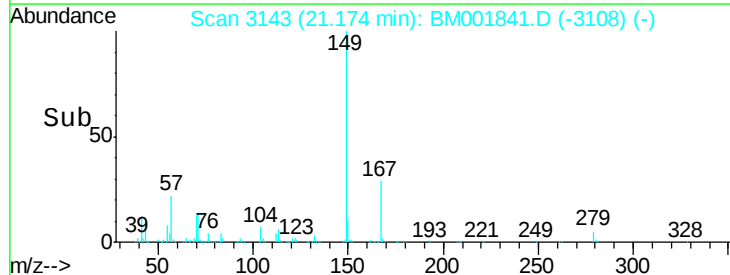
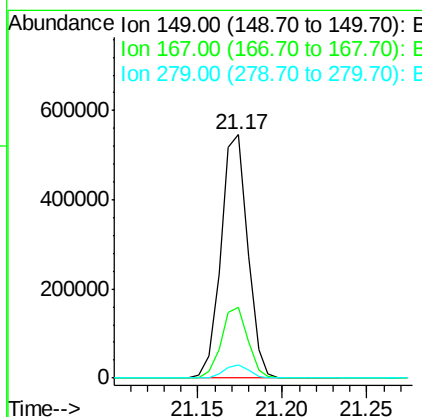
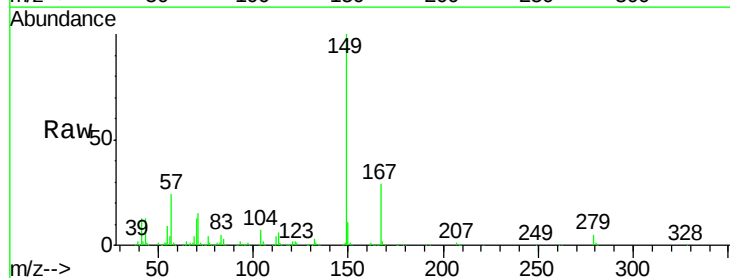
Instrument :
BNA_M
ClientSampleId :
G93M6

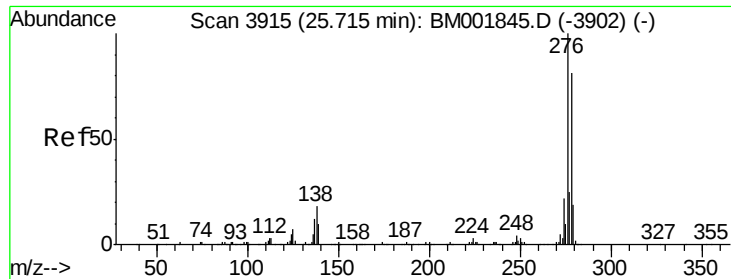
Tgt Ion:149 Resp: 433703
Ion Ratio Lower Upper
149 100
91 68.4 55.0 82.6
206 23.8 20.8 31.2



#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

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





#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

Instrument :

BNA_M

ClientSampleId :

G93M6

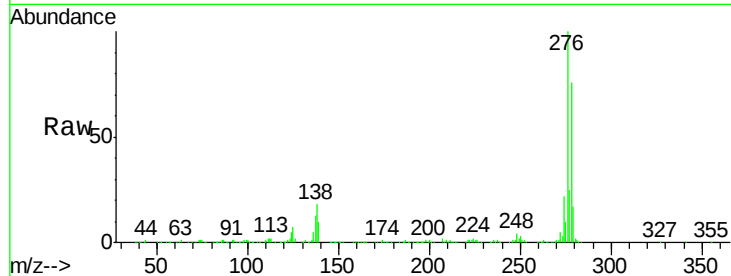
Tgt Ion:276 Resp: 1489645

Ion Ratio Lower Upper

276 100

138 17.9 14.7 22.1

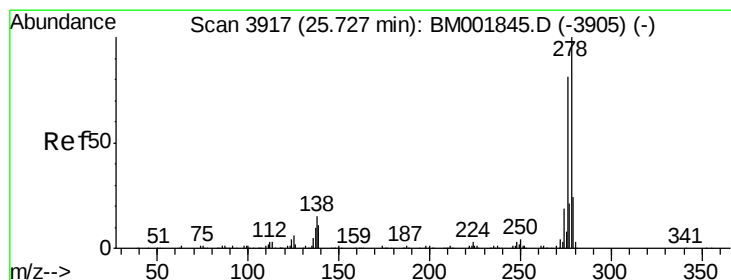
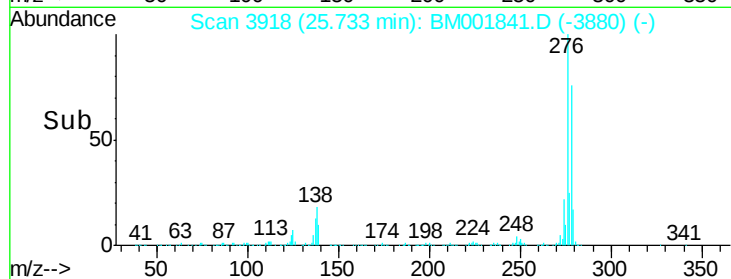
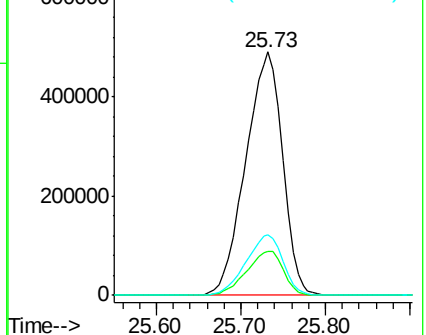
277 25.1 19.7 29.5



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

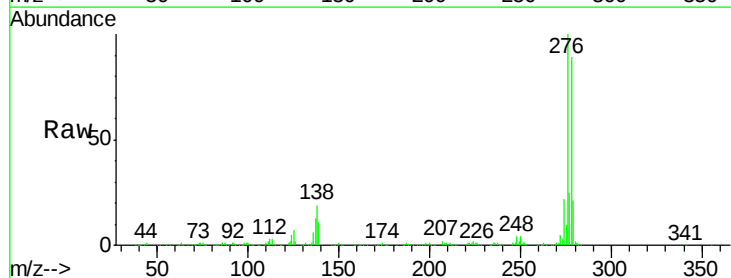
Tgt Ion:278 Resp: 1002318

Ion Ratio Lower Upper

278 100

139 13.0 9.2 13.8

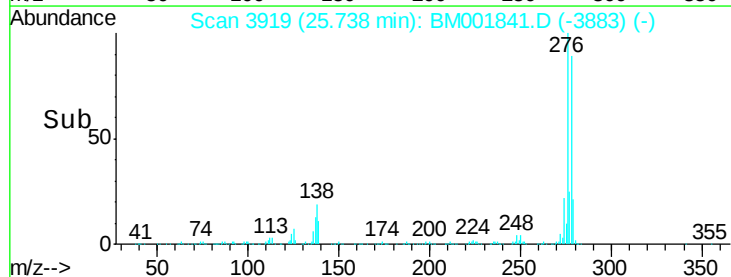
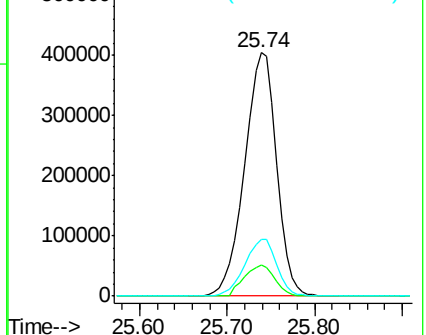
279 23.5 19.1 28.7

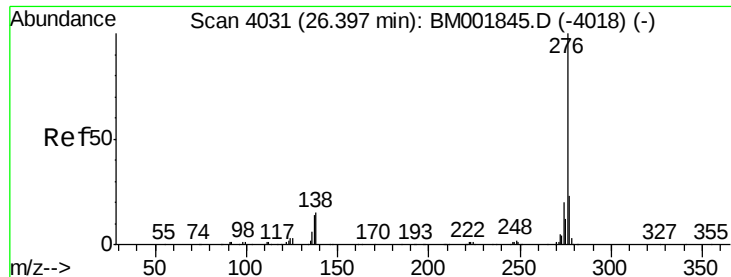


Abundance Ion 278.00 (277.70 to 278.70): E

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

Instrument :

BNA_M

ClientSampleId :

G93M6

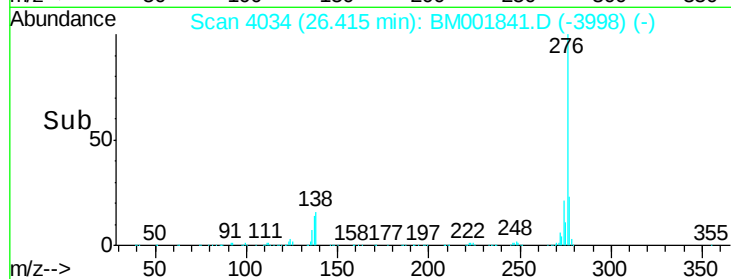
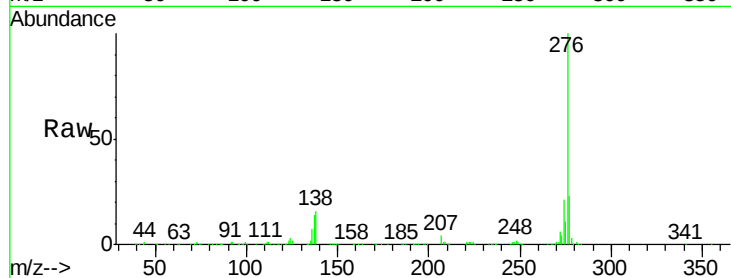
Tgt Ion: 276 Resp: 938329

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

