

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM040315\  
 Data File : BM000846.D  
 Acq On : 03 Apr 2015 22:23  
 Operator : TP/IZ  
 Sample : MDL-05-S  
 Misc : MDL-SOIL-0.2/0.4  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-05-S

Quant Time: Apr 04 00:02:37 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM040315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 04 00:49:41 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 29069    | 5.00 | ng    | 0.00     |
| 11) Naphthalene-d8        | 10.39 | 136  | 144611   | 5.00 | ng    | 0.00     |
| 19) Acenaphthene-d10      | 14.26 | 164  | 75713    | 5.00 | ng    | 0.00     |
| 26) Phenanthrene-d10      | 17.00 | 188  | 171552   | 5.00 | ng    | 0.00     |
| 30) Chrysene-d12          | 21.21 | 240  | 140355   | 5.00 | ng    | 0.00     |
| 34) Perylene-d12          | 23.39 | 264  | 131258   | 5.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 4) 2-Fluorophenol           | 5.21  | 112  | 102824   | 12.84 | ng    | 0.00     |
| 5) Phenol-d6                | 6.77  | 99   | 182970   | 11.89 | ng    | 0.00     |
| 12) Nitrobenzene-d5         | 8.77  | 82   | 47125    | 6.98  | ng    | 0.00     |
| 20) 2,4,6-Tribromophenol    | 15.77 | 330  | 26596    | 8.31  | ng    | 0.00     |
| 23) 2-Fluorobiphenyl        | 12.87 | 172  | 201701   | 8.65  | ng    | 0.00     |
| 32) Terphenyl-d14           | 19.65 | 244  | 164918   | 9.76  | ng    | 0.00     |

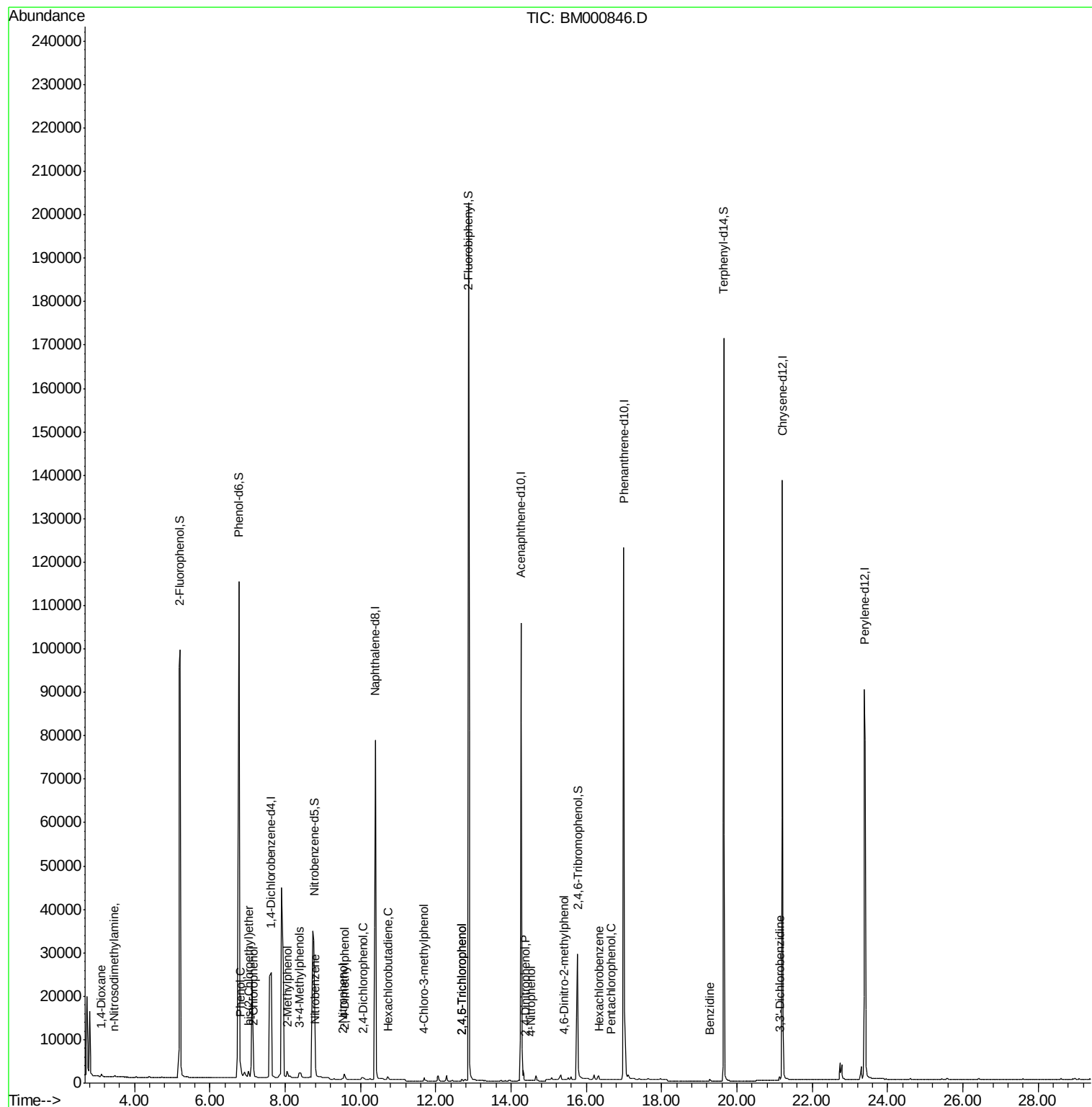
| Target Compounds               | R.T.  | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 2) 1,4-Dioxane                 | 3.12  | 88   | 1009     | 0.12 | ng    | # 65   |
| 3) n-Nitrosodimethylamine      | 3.46  | 42   | 445      | 0.12 | ng    | # 6    |
| 6) 2-Chlorophenol              | 7.17  | 128  | 1531     | 0.35 | ng    | 87     |
| 7) Phenol                      | 6.81  | 94   | 1708     | 0.14 | ng    | 85     |
| 8) bis(2-Chloroethyl)ether     | 7.02  | 93   | 1503     | 0.35 | ng    | 86     |
| 9) 2-Methylphenol              | 8.06  | 107  | 1223     | 0.28 | ng    | # 90   |
| 10) 3+4-Methylphenols          | 8.38  | 107  | 1240     | 0.23 | ng    | 90     |
| 13) Nitrobenzene               | 8.80  | 77   | 1298     | 0.16 | ng    | # 71   |
| 14) 2-Nitrophenol              | 9.52  | 139  | 781      | 0.32 | ng    | # 53   |
| 15) 2,4-Dimethylphenol         | 9.58  | 122  | 954      | 0.12 | ng    | 90     |
| 16) 2,4-Dichlorophenol         | 10.07 | 162  | 866      | 0.31 | ng    | # 80   |
| 17) Hexachlorobutadiene        | 10.72 | 225  | 804      | 0.14 | ng    | # 69   |
| 18) 4-Chloro-3-methylphenol    | 11.69 | 107  | 913      | 0.13 | ng    | 96     |
| 21) 2,4,6-Trichlorophenol      | 12.69 | 196  | 413      | 0.20 | ng    | # 92   |
| 22) 2,4,5-Trichlorophenol      | 12.69 | 196  | 413      | 0.13 | ng    | 96     |
| 24) 2,4-Dinitrophenol          | 14.39 | 184  | 1        | 0.00 | ng    | # 53   |
| 25) 4-Nitrophenol              | 14.52 | 139  | 161      | 0.31 | ng    | 91     |
| 27) 4,6-Dinitro-2-methylphenol | 15.41 | 198  | 103      | 0.39 | ng    | 95     |
| 28) Hexachlorobenzene          | 16.33 | 284  | 1220     | 0.18 | ng    | # 86   |
| 29) Pentachlorophenol          | 16.67 | 266  | 68       | 0.32 | ng    | # 67   |
| 31) Benzidine                  | 19.28 | 184  | 1749     | 0.57 | ng    | # 62   |
| 33) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 1331     | 0.30 | ng    | # 92   |

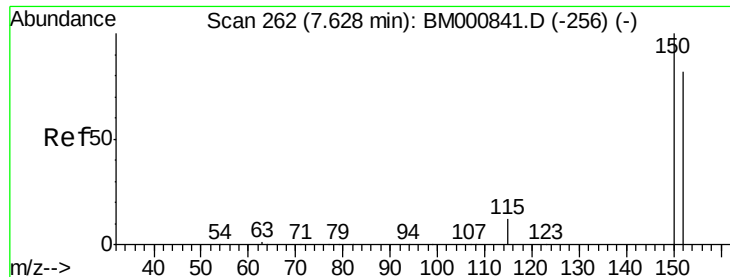
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 04 00:49:41 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 262

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Instrument :

BNA\_M

ClientSampleId :

MDL-05-S

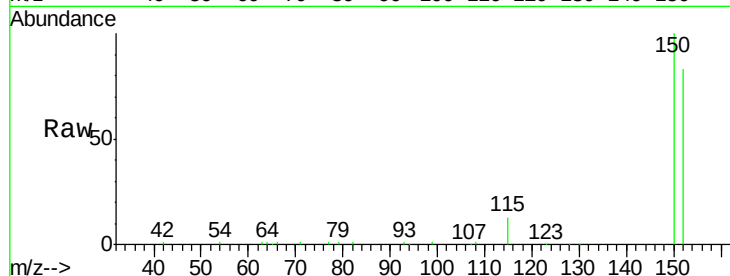
Tgt Ion:152 Resp: 29069

Ion Ratio Lower Upper

152 100

150 120.6 99.8 149.6

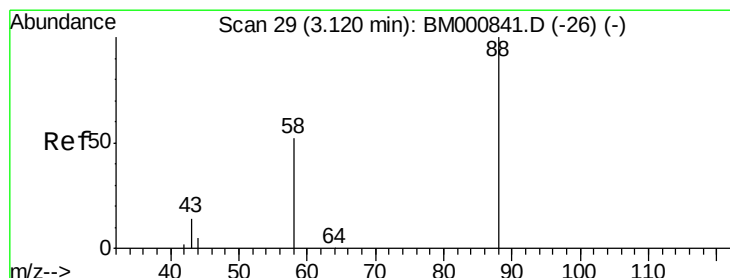
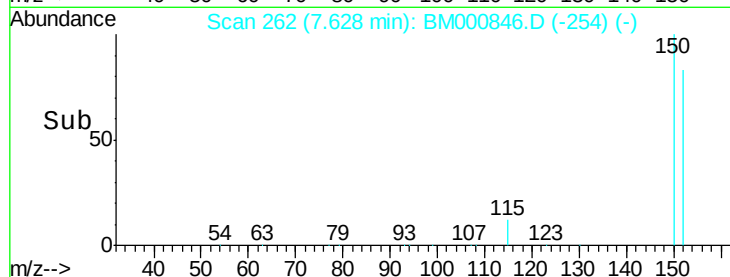
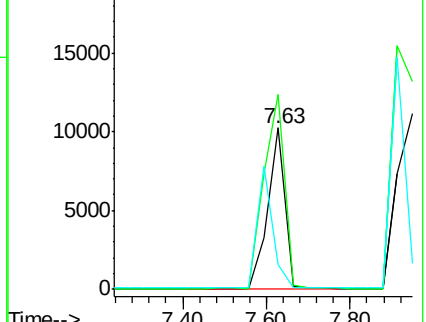
115 15.2 13.5 20.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.12 ng

RT: 3.12 min Scan# 29

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

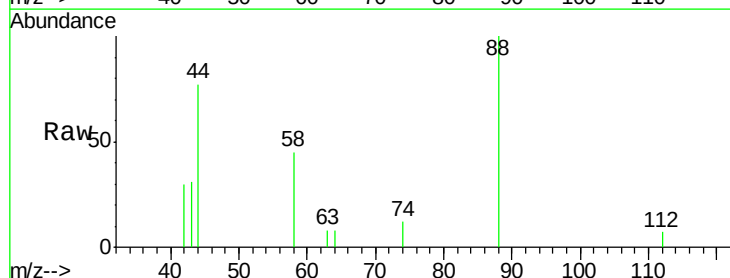
Tgt Ion: 88 Resp: 1009

Ion Ratio Lower Upper

88 100

58 41.0 57.0 85.4#

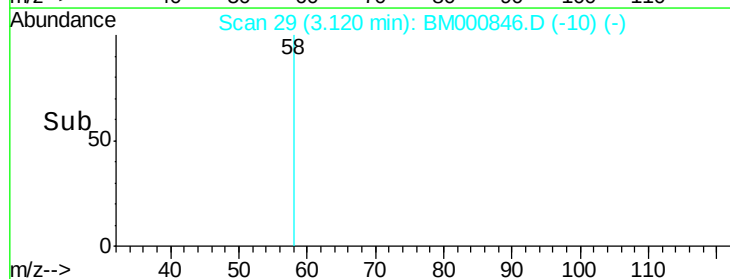
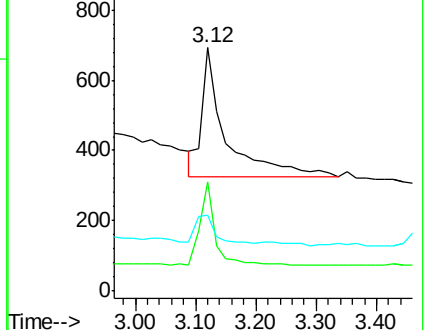
43 17.4 29.2 43.8#

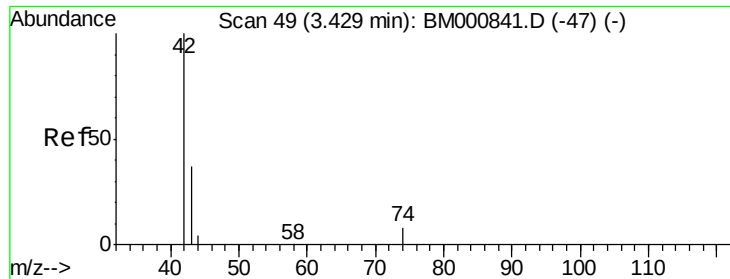


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.46 min Scan# 51

Delta R.T. 0.03 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Instrument :

BNA\_M

ClientSampleId :

MDL-05-S

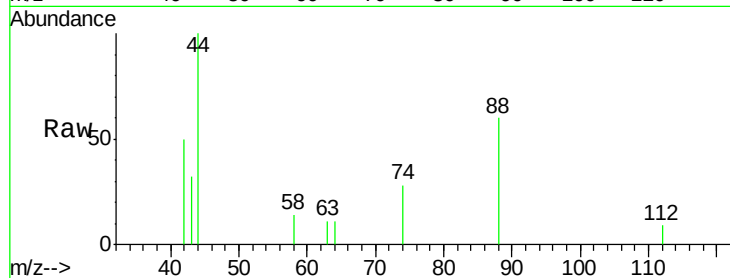
Tgt Ion: 42 Resp: 445

Ion Ratio Lower Upper

42 100

74 55.1 93.1 139.7#

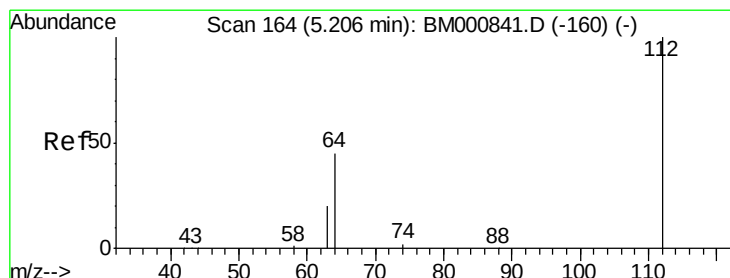
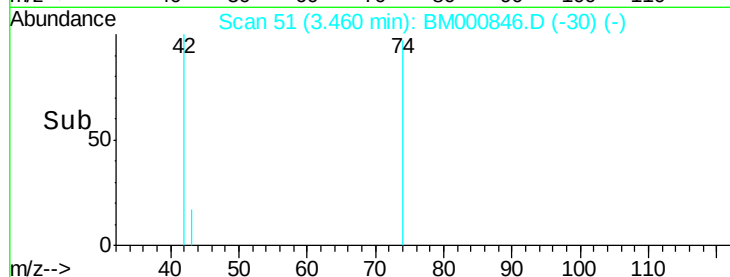
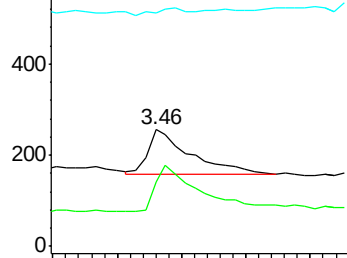
44 199.6 56.6 85.0#



Abundance Ion 42.00 (41.70 to 42.70): BM000841.D (-47) (-)

Ion 74.00 (73.70 to 74.70): BM000841.D (-47) (-)

Ion 44.00 (43.70 to 44.70): BM000841.D (-47) (-)



#4

2-Fluorophenol

Concen: 12.84 ng

RT: 5.21 min Scan# 164

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

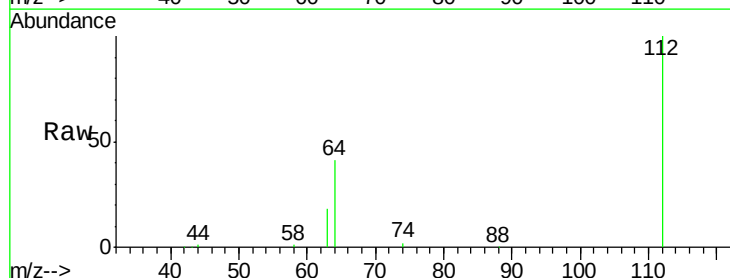
Tgt Ion: 112 Resp: 102824

Ion Ratio Lower Upper

112 100

64 40.9 40.3 60.5

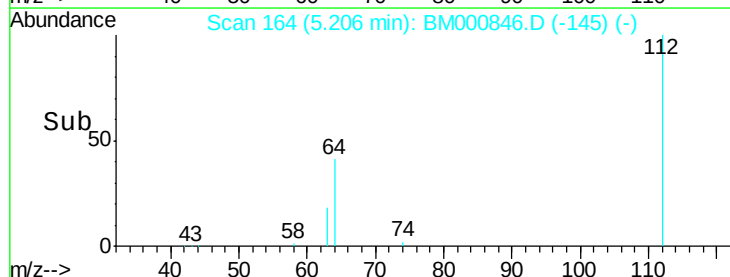
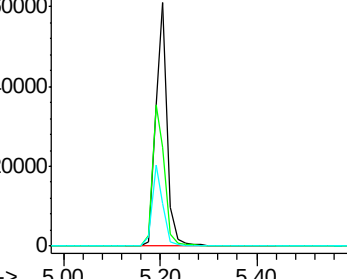
63 17.7 19.0 28.4#

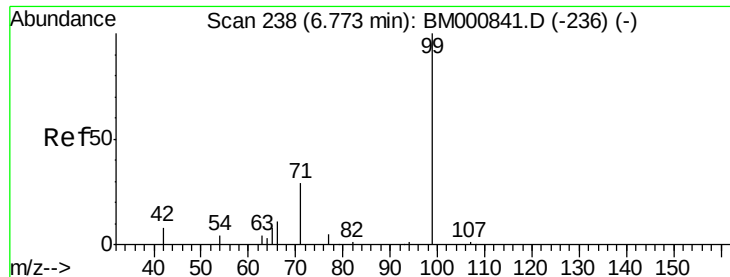


Abundance Ion 112.00 (111.70 to 112.70): BM000841.D (-160) (-)

Ion 64.00 (63.70 to 64.70): BM000841.D (-160) (-)

Ion 63.00 (62.70 to 63.70): BM000841.D (-160) (-)





#5

Phenol-d6

Concen: 11.89 ng

RT: 6.77 min Scan# 238

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Instrument :

BNA\_M

ClientSampled :

MDL-05-S

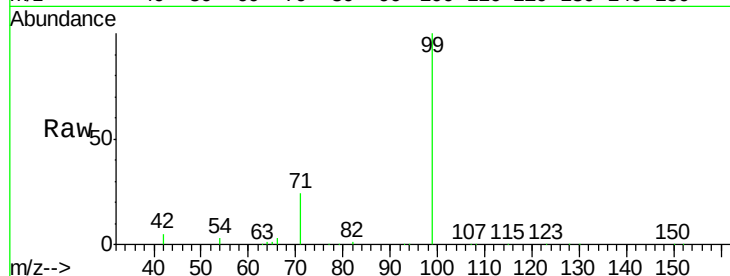
Tgt Ion: 99 Resp: 182970

Ion Ratio Lower Upper

99 100

42 4.8 10.2 15.4#

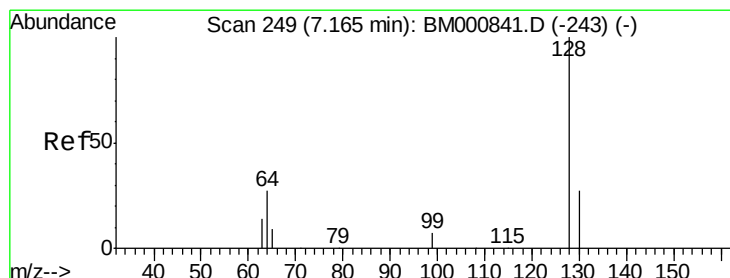
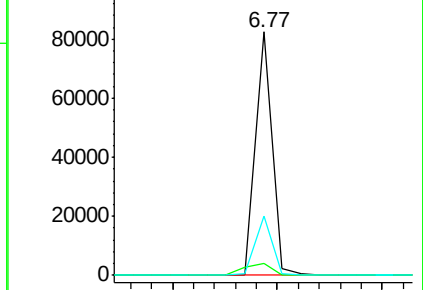
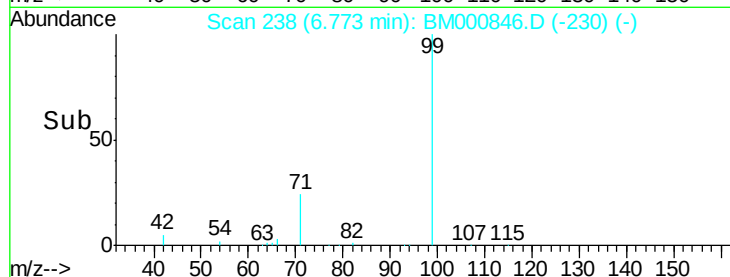
71 24.3 28.6 43.0#



Abundance Ion 99.00 (98.70 to 99.70): BM000846.D (-230) (-)

Ion 42.00 (41.70 to 42.70): BM000846.D (-230) (-)

Ion 71.00 (70.70 to 71.70): BM000846.D (-230) (-)



#6

2-Chlorophenol

Concen: 0.35 ng

RT: 7.17 min Scan# 249

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

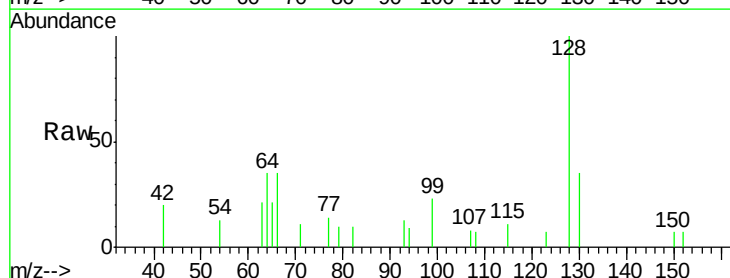
Tgt Ion: 128 Resp: 1531

Ion Ratio Lower Upper

128 100

130 35.4 7.6 47.6

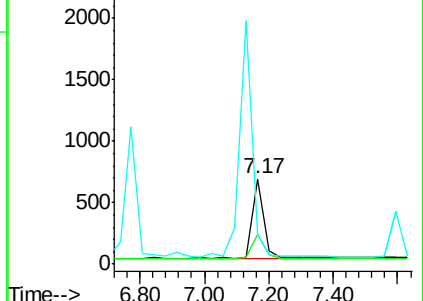
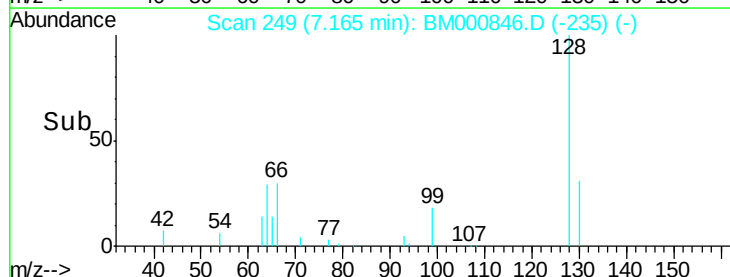
64 35.1 23.1 63.1

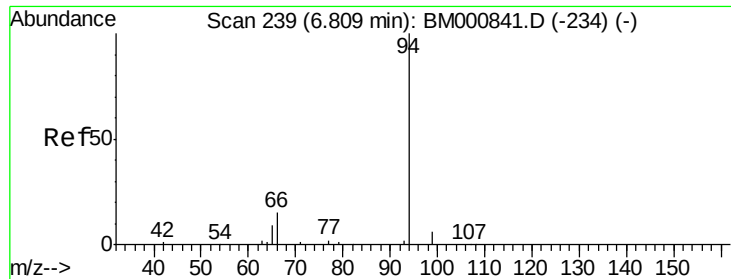


Abundance Ion 128.00 (127.70 to 128.70): BM000846.D (-235) (-)

Ion 130.00 (129.70 to 130.70): BM000846.D (-235) (-)

Ion 64.00 (63.70 to 64.70): BM000846.D (-235) (-)





#7

Phenol

Concen: 0.14 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Instrument :

BNA\_M

ClientSampleId :

MDL-05-S

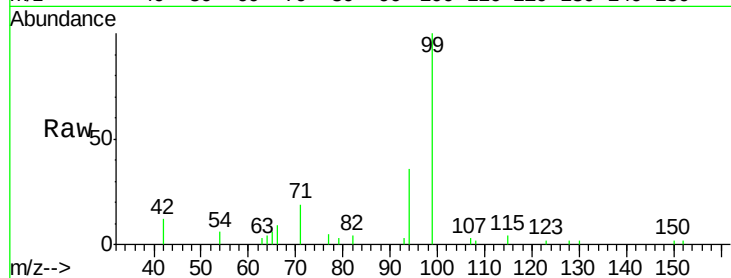
Tgt Ion: 94 Resp: 1708

Ion Ratio Lower Upper

94 100

65 15.8 0.0 32.0

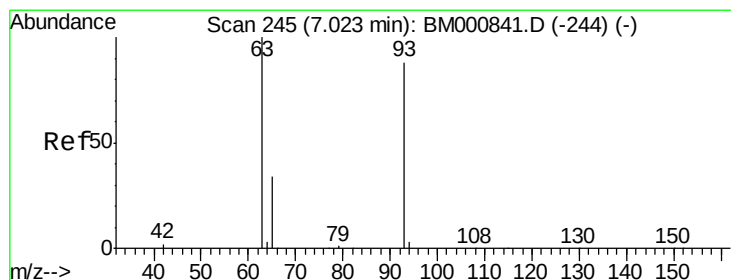
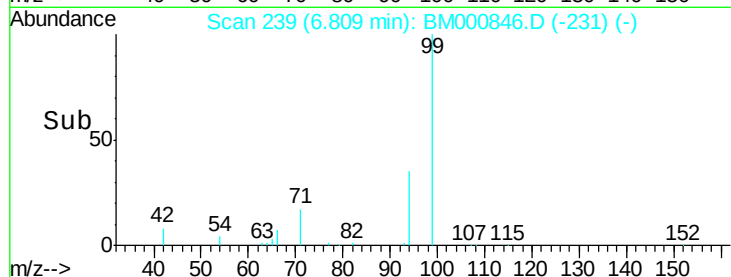
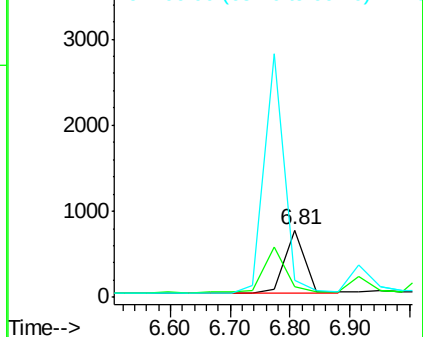
66 25.9 0.0 37.6



Abundance Ion 94.00 (93.70 to 94.70): BM000846.D (-231) (-)

Ion 65.00 (64.70 to 65.70): BM000846.D (-231) (-)

Ion 66.00 (65.70 to 66.70): BM000846.D (-231) (-)



#8

bis(2-Chloroethyl)ether

Concen: 0.35 ng

RT: 7.02 min Scan# 245

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

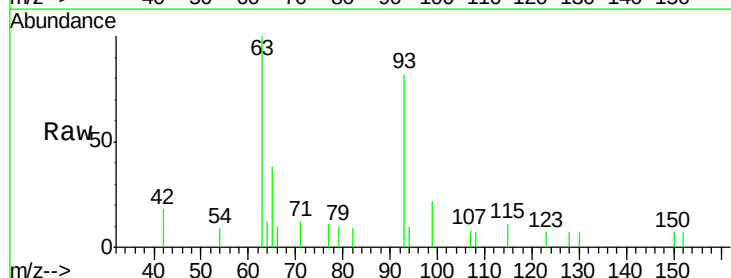
Tgt Ion: 93 Resp: 1503

Ion Ratio Lower Upper

93 100

63 121.9 118.9 158.9

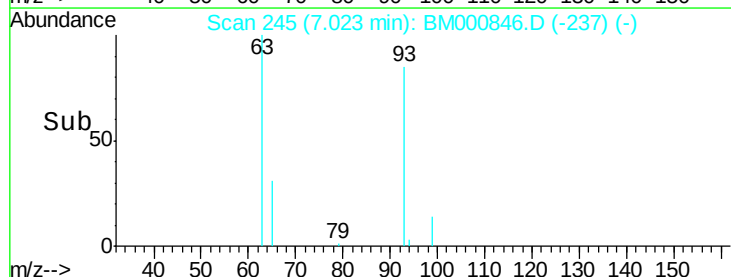
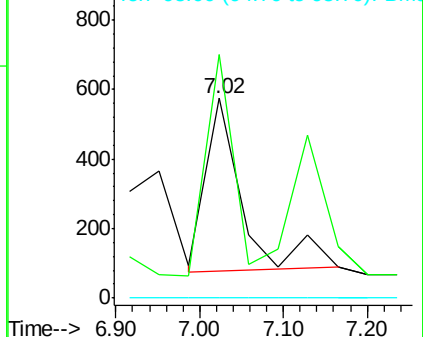
95 0.0 0.0 20.0

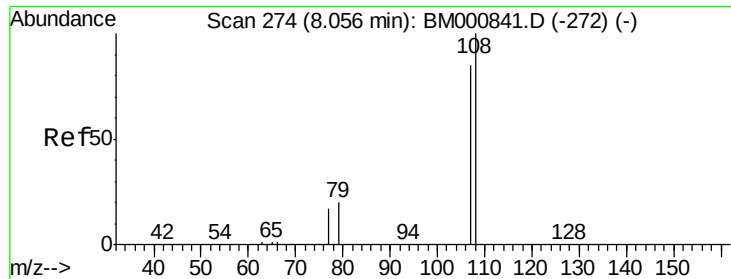


Abundance Ion 93.00 (92.70 to 93.70): BM000846.D (-237) (-)

Ion 63.00 (62.70 to 63.70): BM000846.D (-237) (-)

Ion 95.00 (94.70 to 95.70): BM000846.D (-237) (-)





#9

2-Methylphenol

Concen: 0.28 ng

RT: 8.06 min Scan# 274

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Instrument :

BNA\_M

ClientSampleId :

MDL-05-S

Tgt Ion:107 Resp: 1223

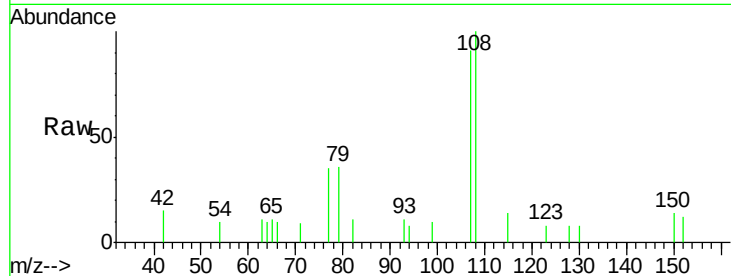
Ion Ratio Lower Upper

107 100

108 110.4 92.0 138.0

77 39.2 20.6 31.0#

79 39.7 22.9 34.3#

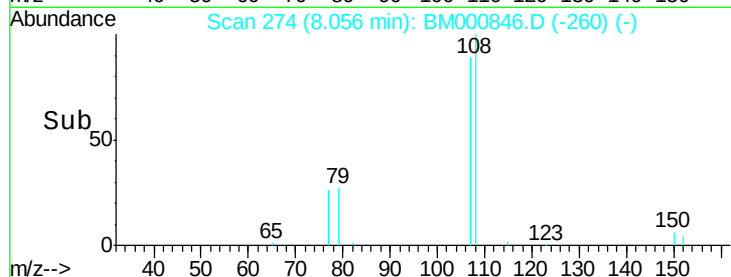


Abundance Ion 107.00 (106.70 to 107.70): E

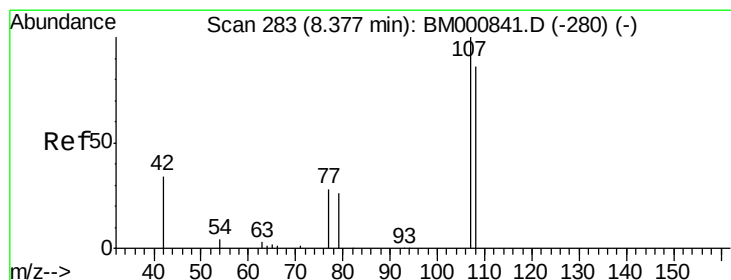
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



Time-->



#10

3+4-Methylphenols

Concen: 0.23 ng

RT: 8.38 min Scan# 283

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Tgt Ion:107 Resp: 1240

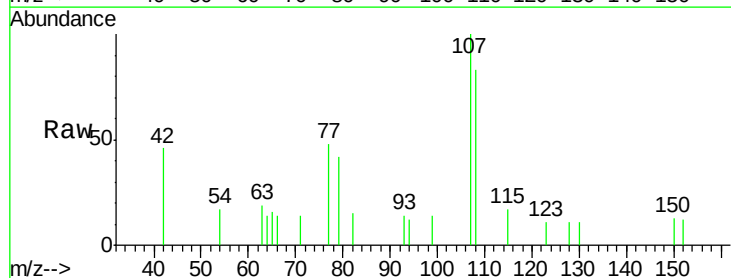
Ion Ratio Lower Upper

107 100

108 82.5 62.6 102.6

77 47.8 12.8 52.8

79 41.6 10.3 50.3

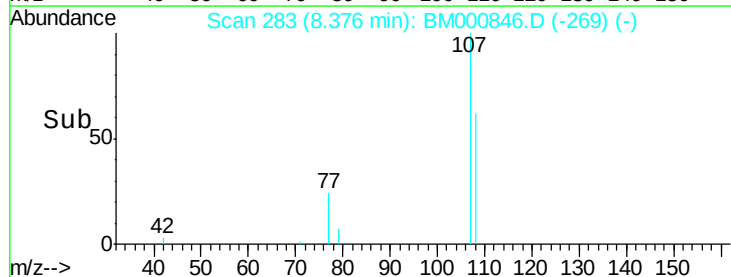


Abundance Ion 107.00 (106.70 to 107.70): E

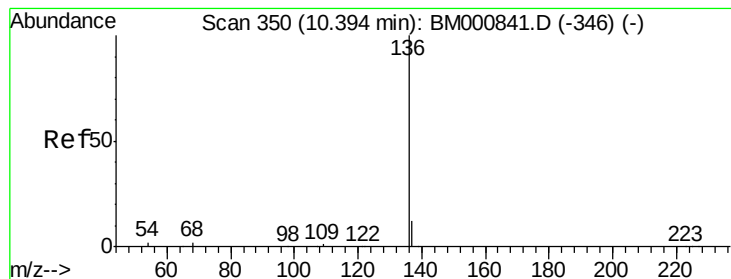
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



Time-->



#11

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 350

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Instrument :

BNA\_M

ClientSampleId :

MDL-05-S

Tgt Ion:136 Resp: 144611

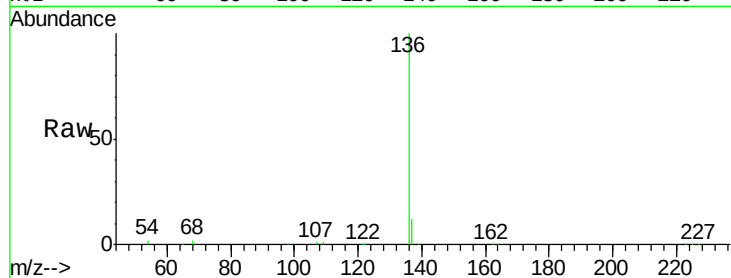
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 2.4 2.2 3.4

68 2.4 2.2 3.2

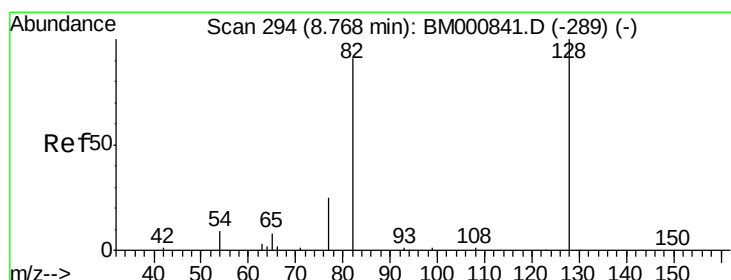
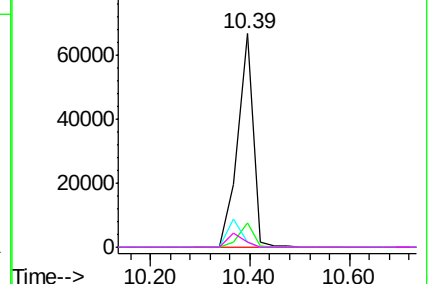
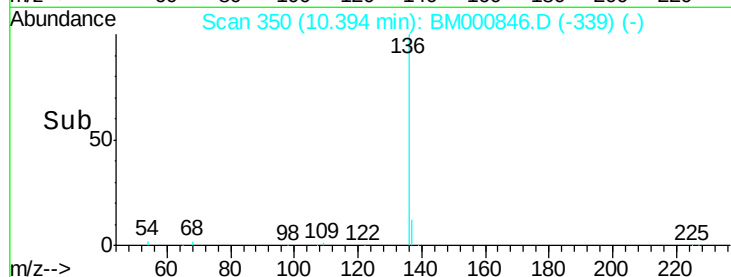


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#12

Nitrobenzene-d5

Concen: 6.98 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

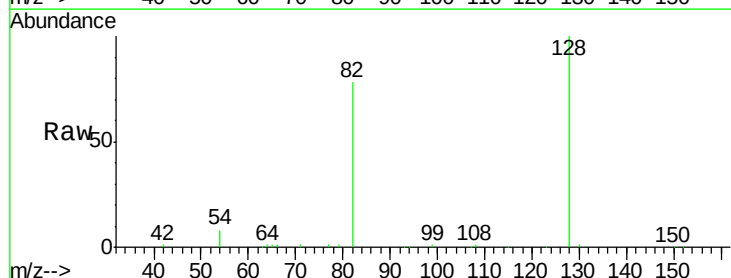
Tgt Ion: 82 Resp: 47125

Ion Ratio Lower Upper

82 100

128 127.5 72.5 108.7#

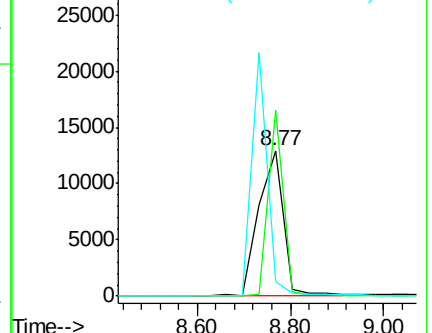
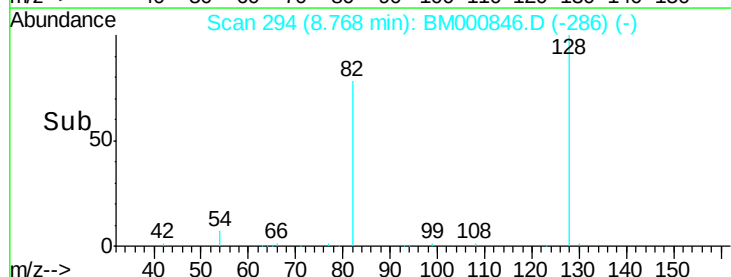
54 9.9 11.8 17.8#



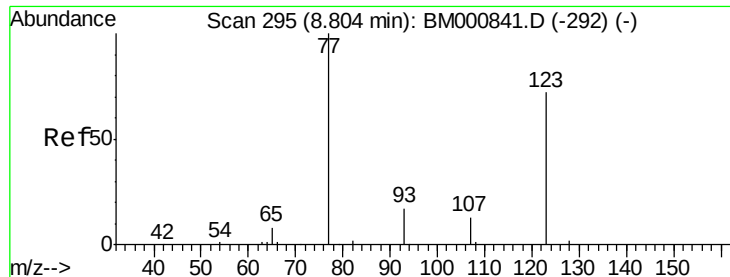
Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



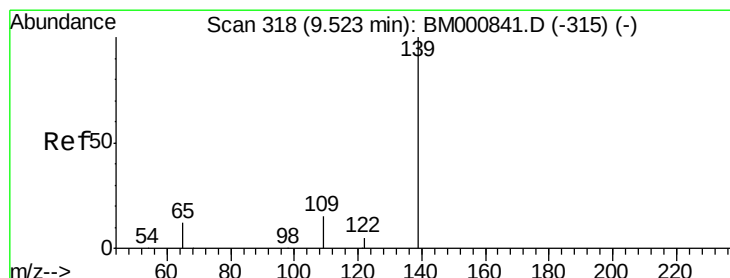
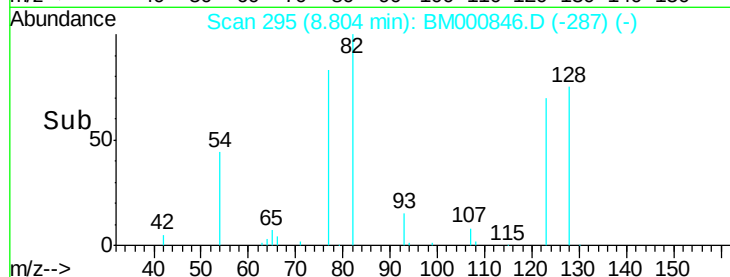
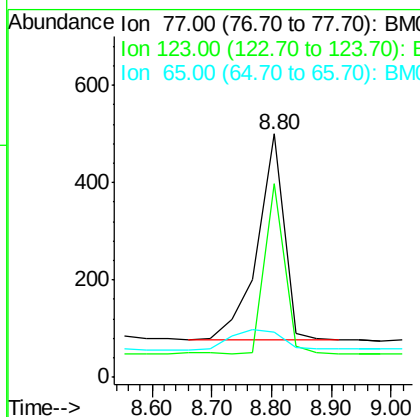
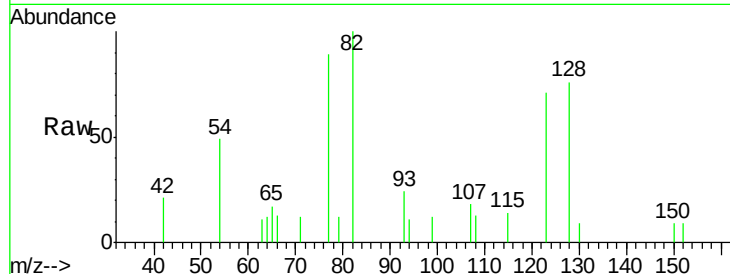




#13  
 Nitrobenzene  
 Concen: 0.16 ng  
 RT: 8.80 min Scan# 295  
 Delta R.T. -0.00 min  
 Lab File: BM000846.D  
 Acq: 03 Apr 2015 22:23

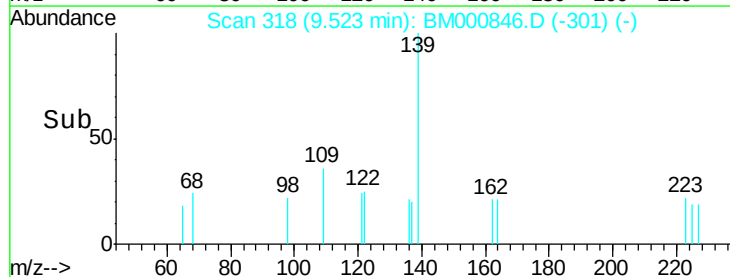
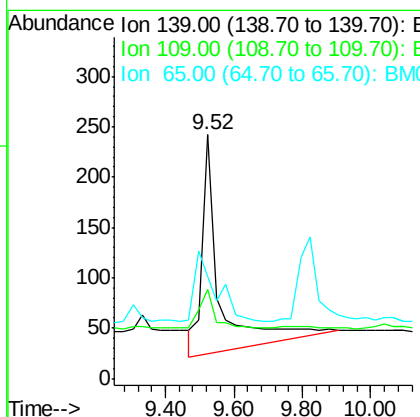
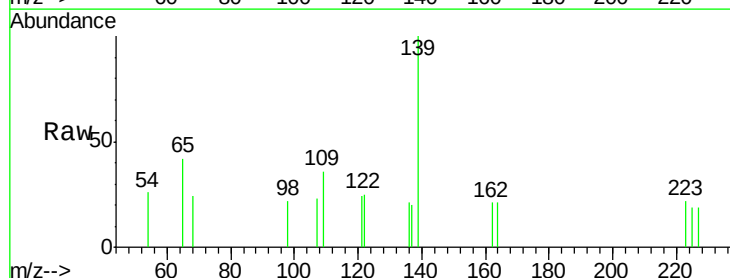
Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-05-S

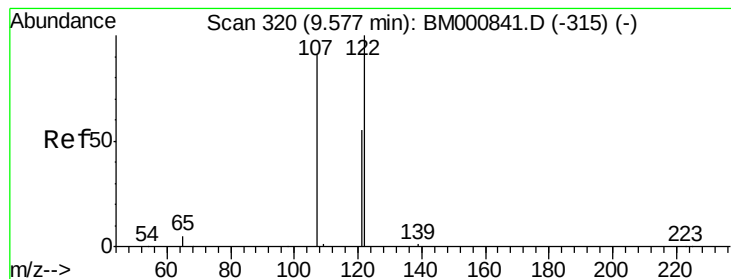
Tgt Ion: 77 Resp: 1298  
 Ion Ratio Lower Upper  
 77 100  
 123 79.4 45.8 68.6#  
 65 18.6 8.2 12.4#



#14  
 2-Nitrophenol  
 Concen: 0.32 ng  
 RT: 9.52 min Scan# 318  
 Delta R.T. -0.00 min  
 Lab File: BM000846.D  
 Acq: 03 Apr 2015 22:23

Tgt Ion: 139 Resp: 781  
 Ion Ratio Lower Upper  
 139 100  
 109 36.4 15.0 22.6#  
 65 41.7 14.2 21.4#





#15

2,4-Dimethylphenol

Concen: 0.12 ng

RT: 9.58 min Scan# 320

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Instrument :

BNA\_M

ClientSampleId :

MDL-05-S

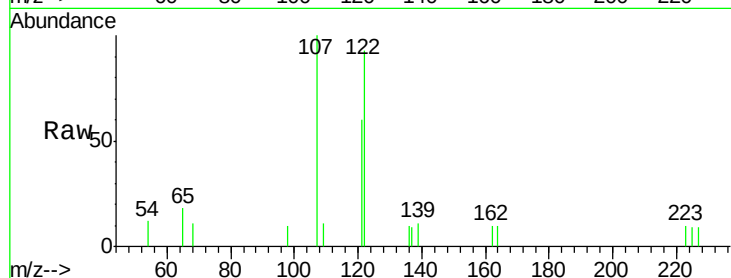
Tgt Ion:122 Resp: 954

Ion Ratio Lower Upper

122 100

107 107.6 78.2 117.4

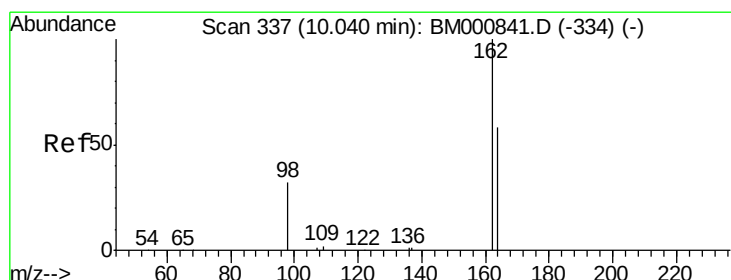
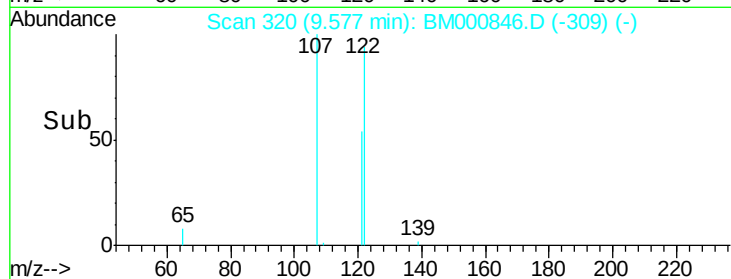
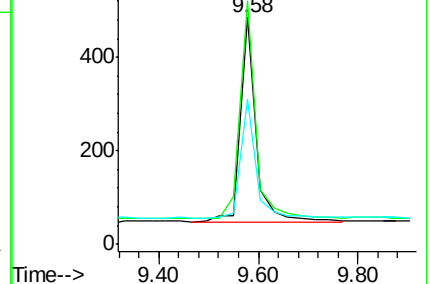
121 64.0 45.4 68.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#16

2,4-Dichlorophenol

Concen: 0.31 ng

RT: 10.07 min Scan# 338

Delta R.T. 0.03 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

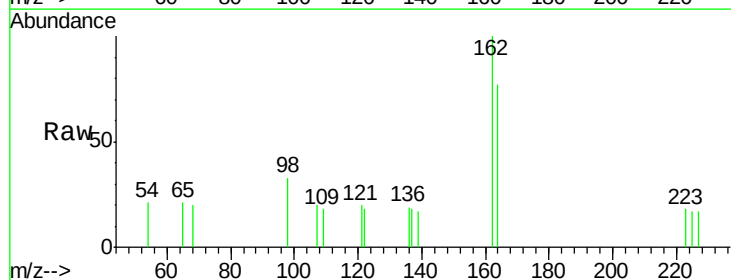
Tgt Ion:162 Resp: 866

Ion Ratio Lower Upper

162 100

164 77.3 37.1 77.1#

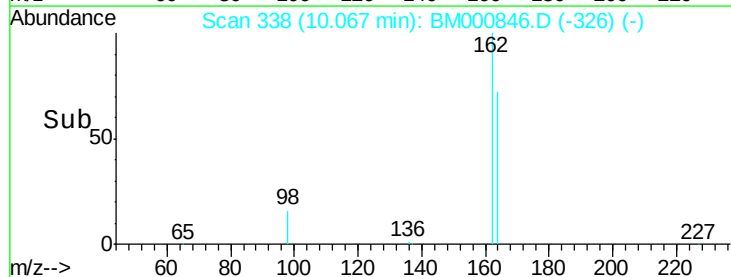
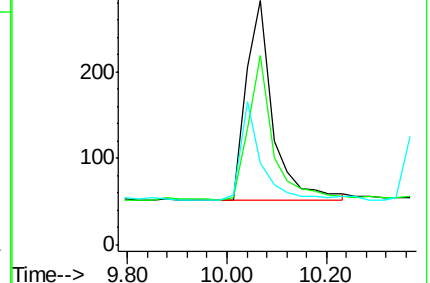
98 33.3 19.5 59.5

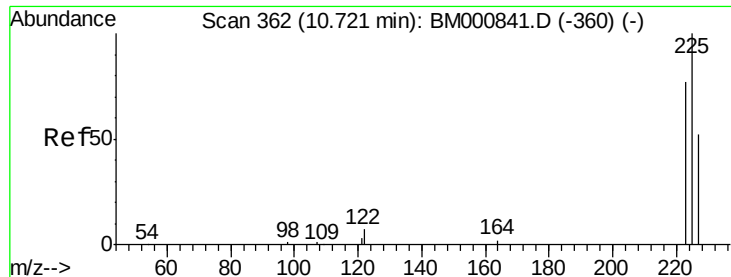


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM





#17

Hexachlorobutadiene

Concen: 0.14 ng

RT: 10.72 min Scan# 362

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Instrument :

BNA\_M

ClientSampleId :

MDL-05-S

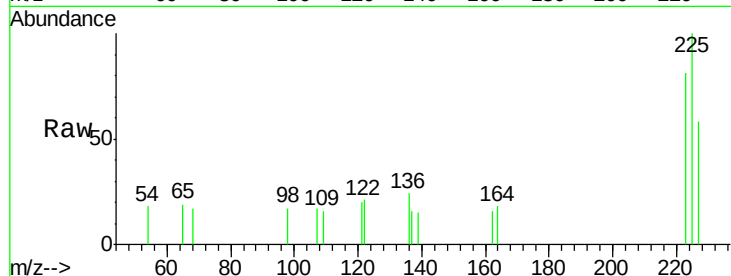
Tgt Ion: 225 Resp: 804

Ion Ratio Lower Upper

225 100

223 80.6 40.8 61.2#

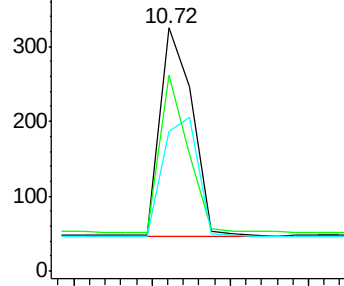
227 57.5 62.8 94.2#



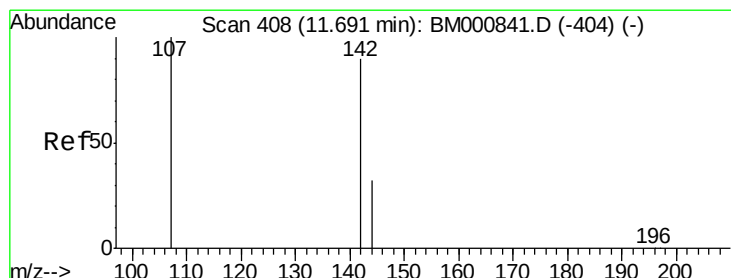
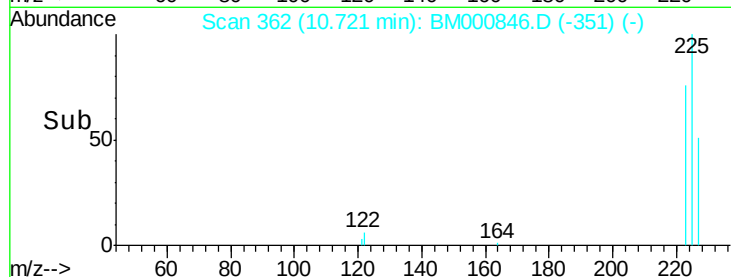
Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



Time-->



#18

4-Chloro-3-methylphenol

Concen: 0.13 ng

RT: 11.69 min Scan# 408

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

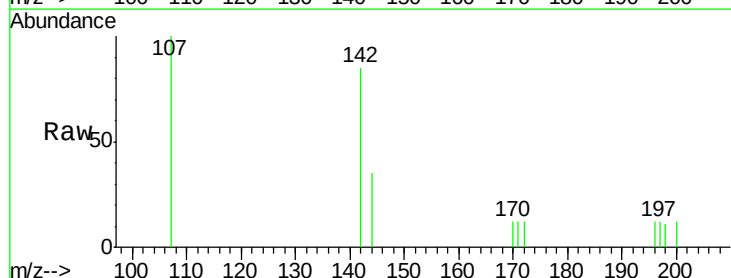
Tgt Ion: 107 Resp: 913

Ion Ratio Lower Upper

107 100

144 35.3 25.8 38.8

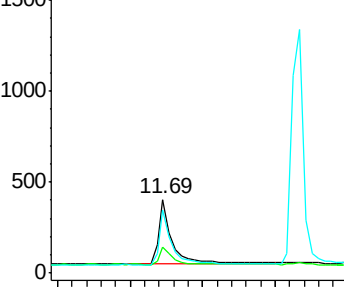
142 85.2 71.3 106.9



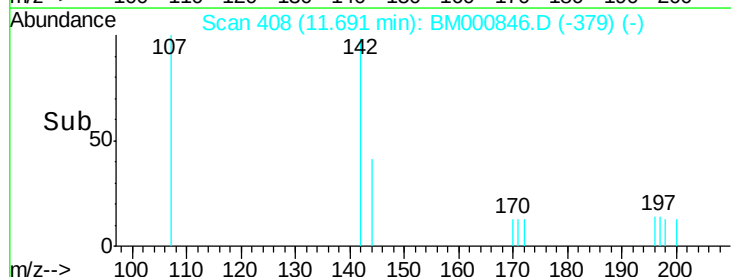
Abundance Ion 107.00 (106.70 to 107.70): E

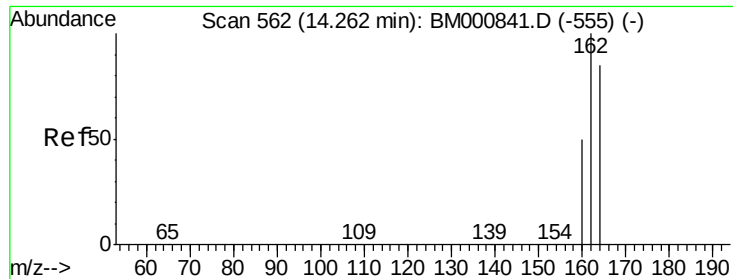
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



Time-->





#19

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 562

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Instrument :

BNA\_M

ClientSampleId :

MDL-05-S

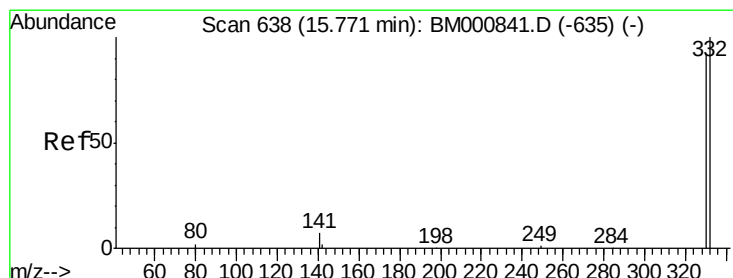
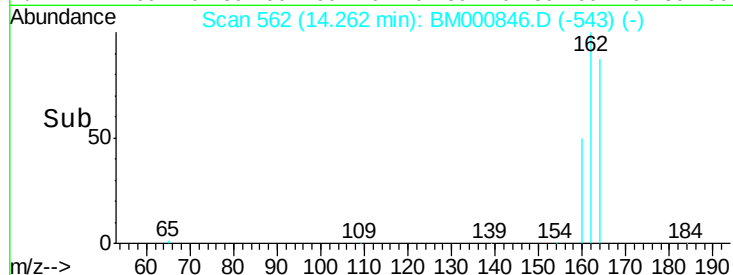
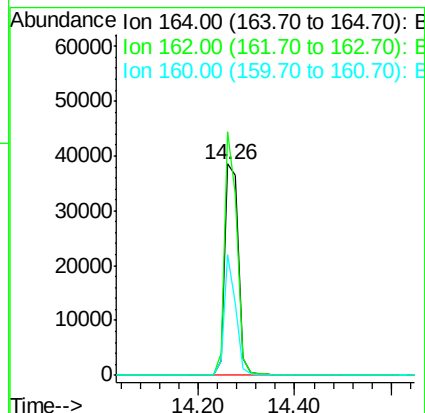
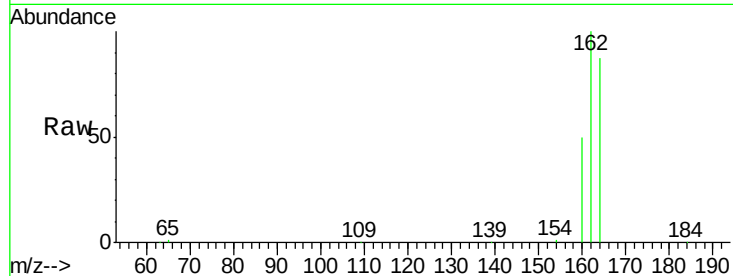
Tgt Ion:164 Resp: 75713

Ion Ratio Lower Upper

164 100

162 115.3 74.2 111.2#

160 57.4 30.4 45.6#



#20

2,4,6-Tribromophenol

Concen: 8.31 ng

RT: 15.77 min Scan# 638

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

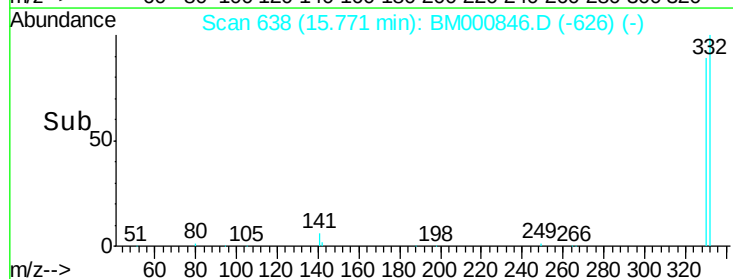
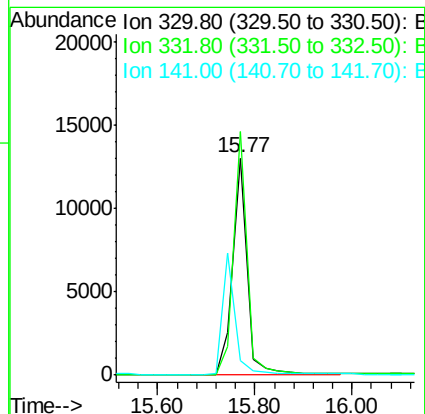
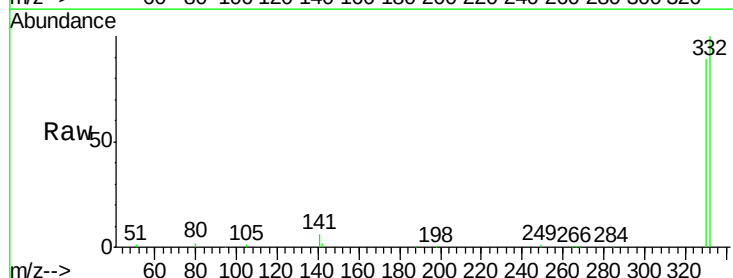
Tgt Ion:330 Resp: 26596

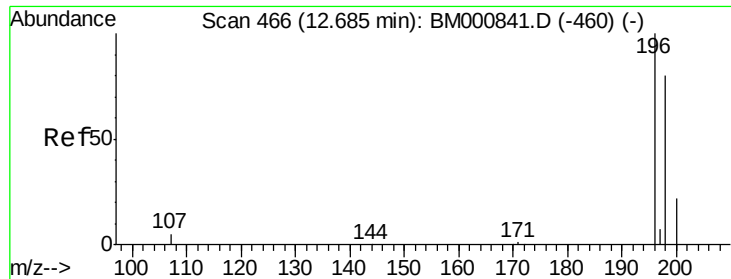
Ion Ratio Lower Upper

330 100

332 104.6 78.7 118.1

141 0.0 0.0 0.0





#21

2,4,6-Trichlorophenol

Concen: 0.20 ng

RT: 12.69 min Scan# 466

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Instrument :

BNA\_M

ClientSampleId :

MDL-05-S

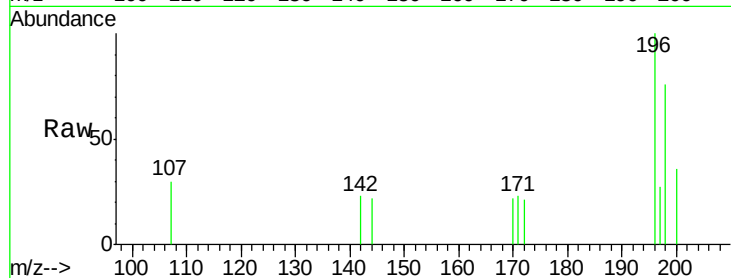
Tgt Ion:196 Resp: 413

Ion Ratio Lower Upper

196 100

198 75.9 59.5 89.3

200 36.4 17.4 26.0#



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

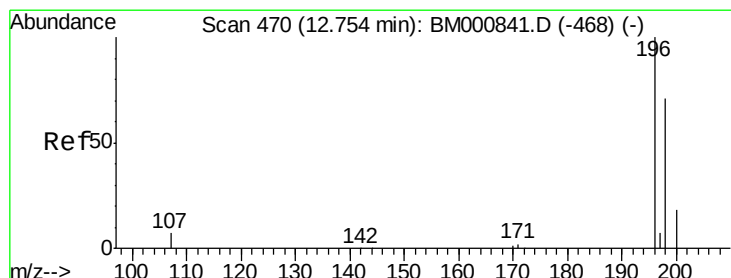
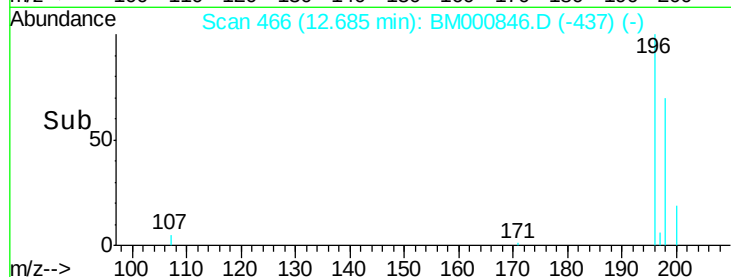
12.69

200

100

0

Time--> 12.60 12.65 12.70 12.75



#22

2,4,5-Trichlorophenol

Concen: 0.13 ng

RT: 12.69 min Scan# 466

Delta R.T. -0.07 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Tgt Ion:196 Resp: 413

Ion Ratio Lower Upper

196 100

198 75.9 57.9 86.9

97 0.0 0.0 0.0

132 0.0 0.0 0.0

Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM

Ion 132.00 (131.70 to 132.70): E

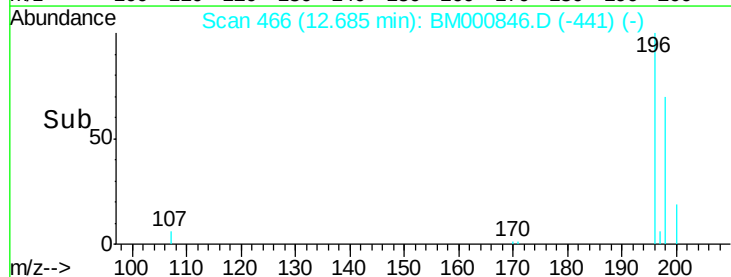
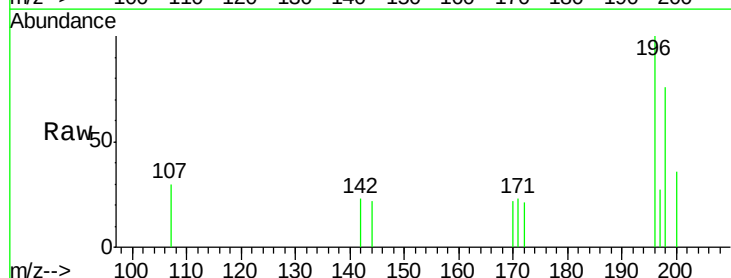
12.69

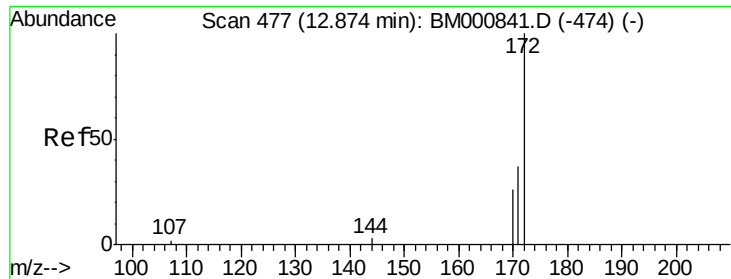
200

100

0

Time--> 12.60 12.65 12.70 12.75

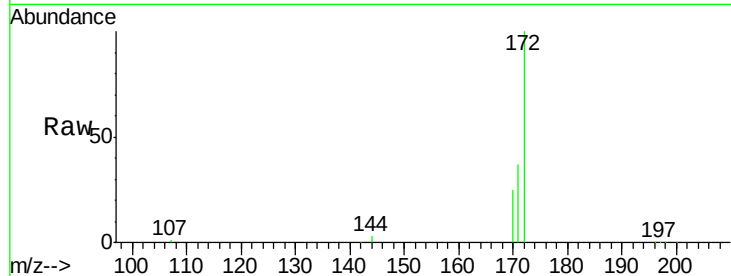




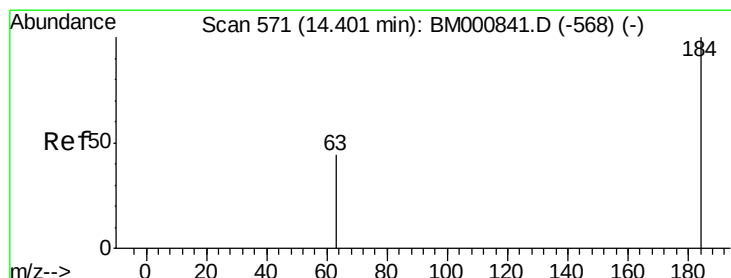
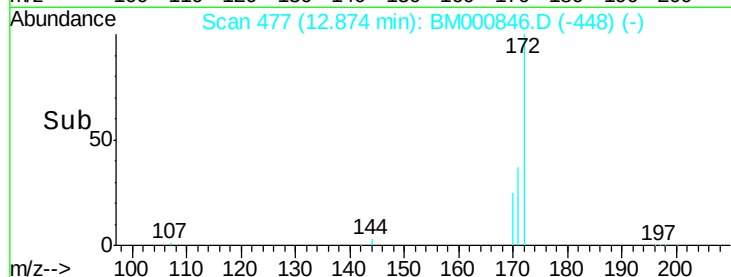
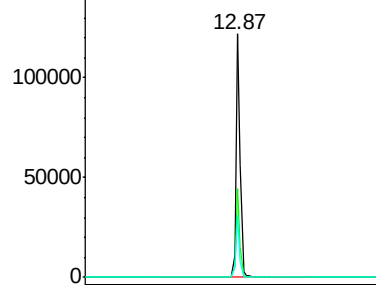
#23  
2-Fluorobiphenyl  
Concen: 8.65 ng  
RT: 12.87 min Scan# 477  
Delta R.T. -0.00 min  
Lab File: BM000846.D  
Acq: 03 Apr 2015 22:23

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-05-S

Tgt Ion:172 Resp: 201701  
Ion Ratio Lower Upper  
172 100  
171 36.7 30.6 46.0  
170 25.4 22.2 33.2

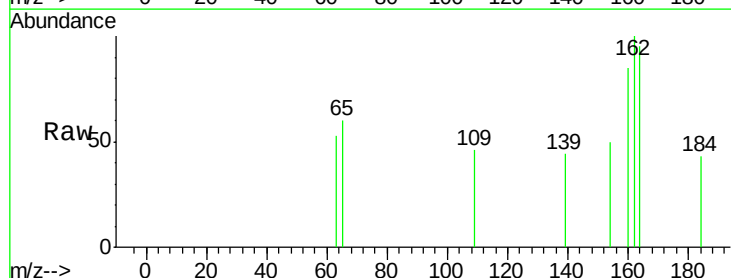


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

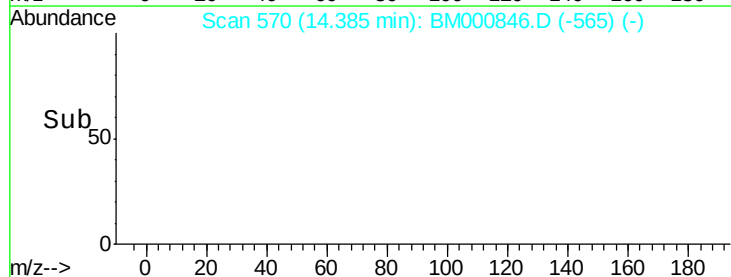
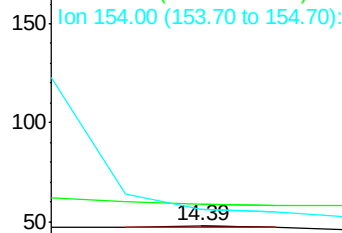


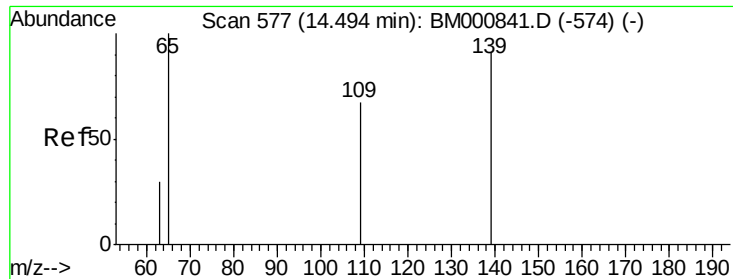
#24  
2,4-Dinitrophenol  
Concen: 0.00 ng  
RT: 14.39 min Scan# 570  
Delta R.T. -0.02 min  
Lab File: BM000846.D  
Acq: 03 Apr 2015 22:23

Tgt Ion:184 Resp: 1  
Ion Ratio Lower Upper  
184 100  
63 122.9 62.7 94.1#  
154 116.7 63.6 95.4#



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BM0  
Ion 154.00 (153.70 to 154.70): E





#25

4-Nitrophenol

Concen: 0.31 ng

RT: 14.52 min Scan# 579

Delta R.T. 0.03 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Instrument :

BNA\_M

ClientSampleId :

MDL-05-S

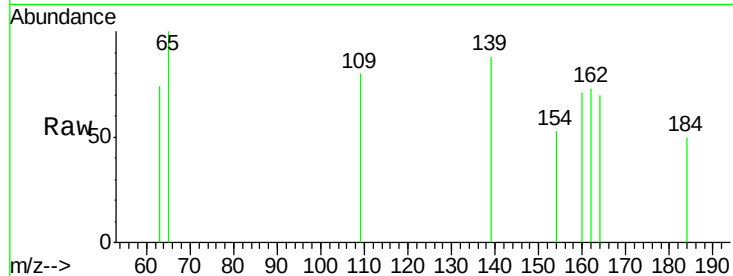
Tgt Ion:139 Resp: 161

Ion Ratio Lower Upper

139 100

109 91.7 58.2 98.2

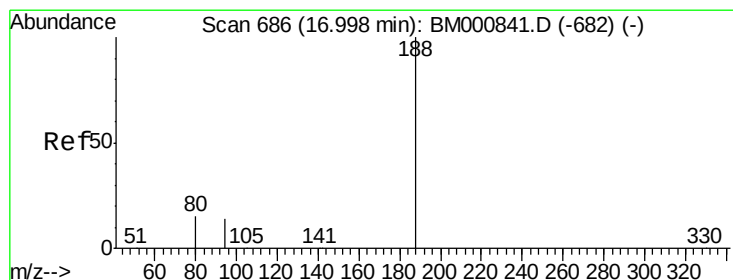
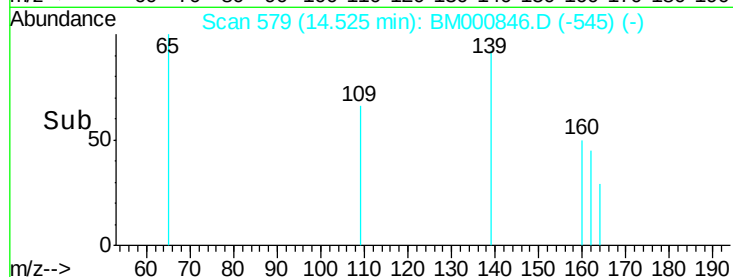
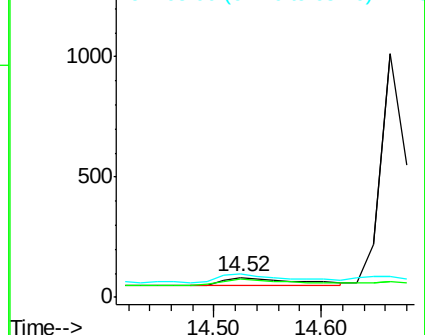
65 114.3 90.4 130.4



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM



#26

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.00 min Scan# 686

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

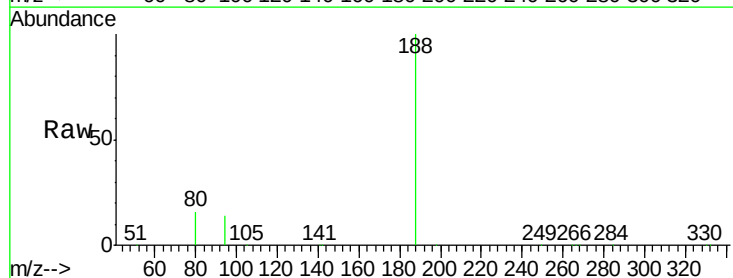
Tgt Ion:188 Resp: 171552

Ion Ratio Lower Upper

188 100

94 14.4 13.0 19.6

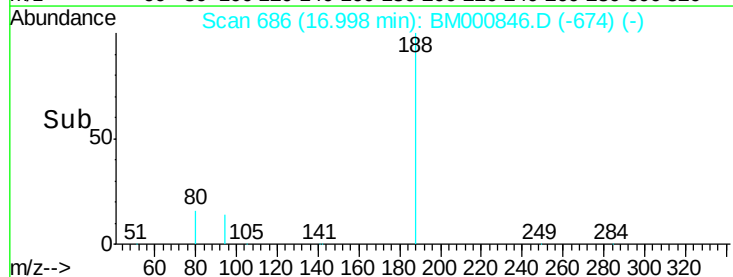
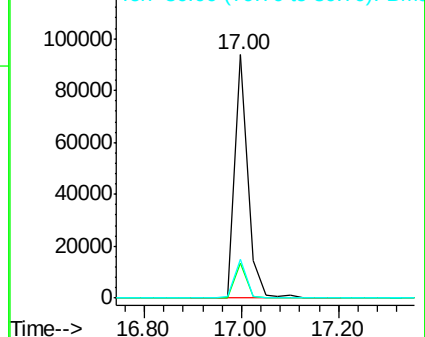
80 15.8 14.7 22.1

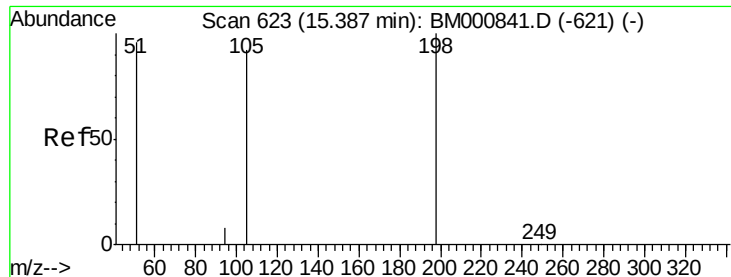


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

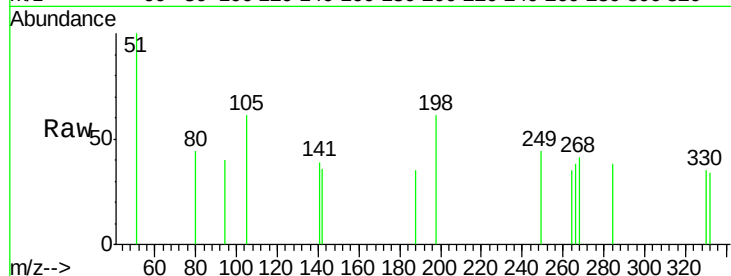




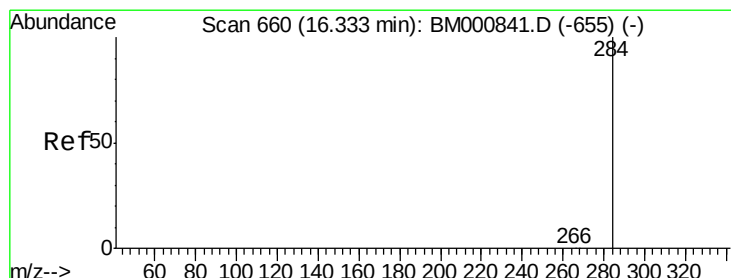
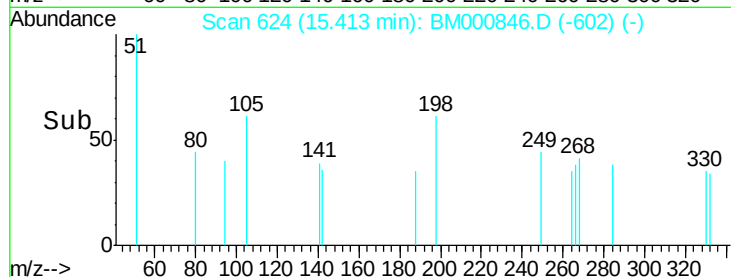
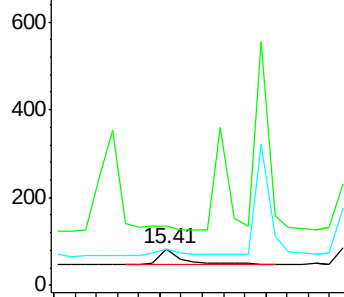
#27  
4,6-Dinitro-2-methylphenol  
Concen: 0.39 ng  
RT: 15.41 min Scan# 624  
Delta R.T. 0.03 min  
Lab File: BM000846.D  
Acq: 03 Apr 2015 22:23

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-05-S

Tgt Ion:198 Resp: 103  
Ion Ratio Lower Upper  
198 100  
51 162.7 139.3 179.3  
105 100.0 88.8 128.8

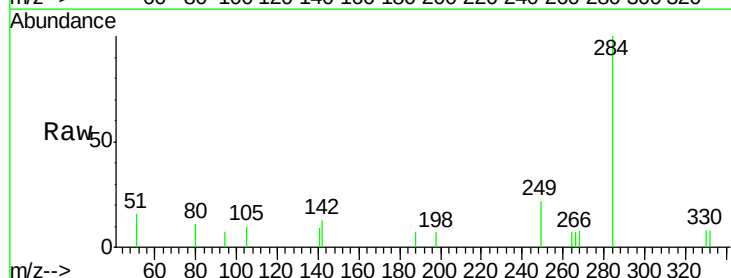


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BM0  
Ion 105.00 (104.70 to 105.70): E

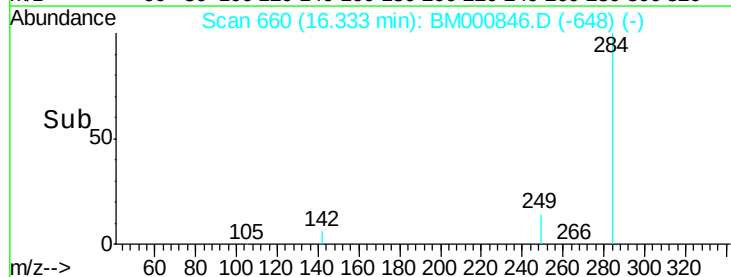
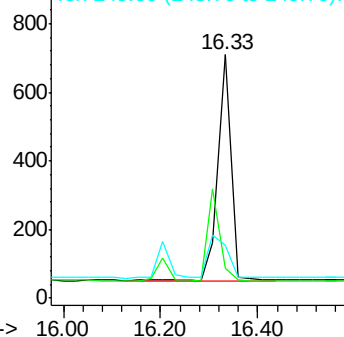


#28  
Hexachlorobenzene  
Concen: 0.18 ng  
RT: 16.33 min Scan# 660  
Delta R.T. -0.00 min  
Lab File: BM000846.D  
Acq: 03 Apr 2015 22:23

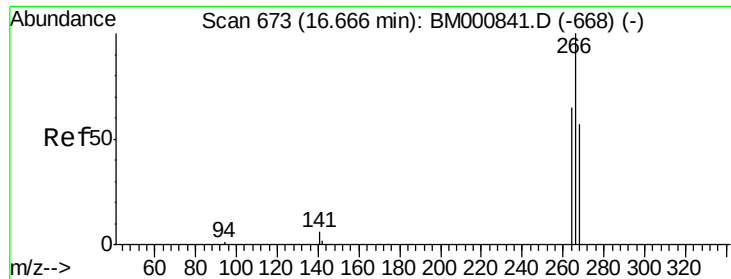
Tgt Ion:284 Resp: 1220  
Ion Ratio Lower Upper  
284 100  
142 12.5 6.5 9.7#  
249 21.8 12.6 18.8#



Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E



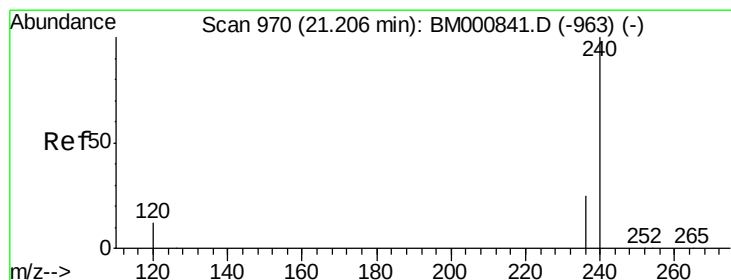
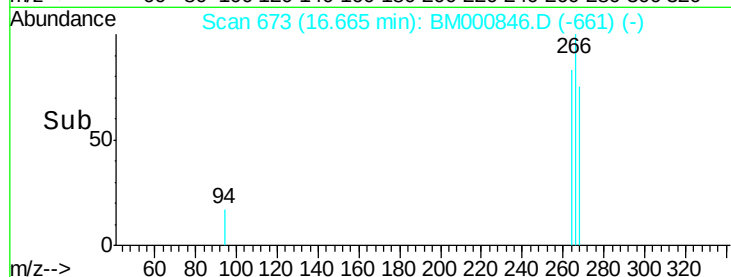
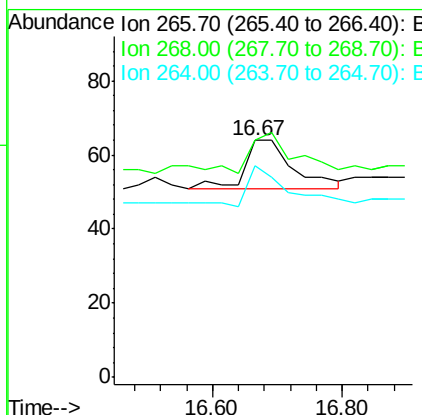
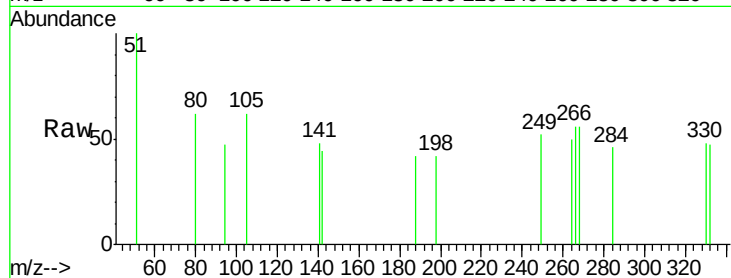




#29  
 Pentachlorophenol  
 Concen: 0.32 ng  
 RT: 16.67 min Scan# 673  
 Delta R.T. -0.00 min  
 Lab File: BM000846.D  
 Acq: 03 Apr 2015 22:23

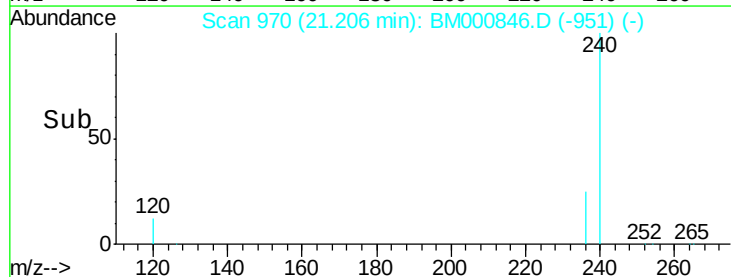
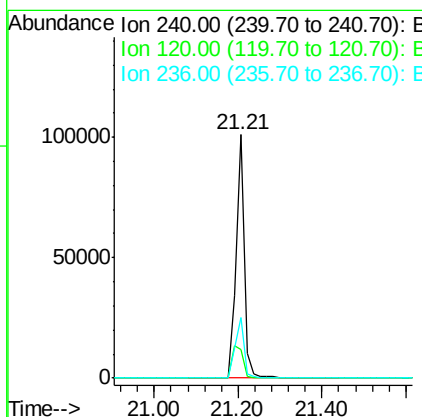
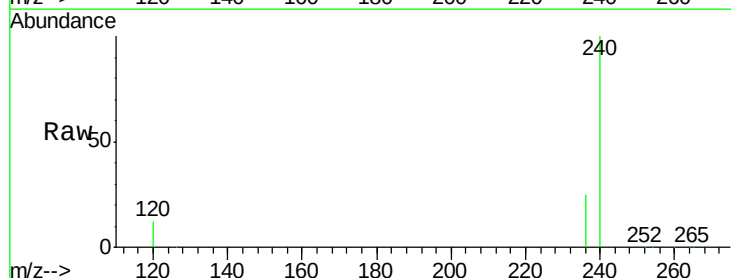
Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-05-S

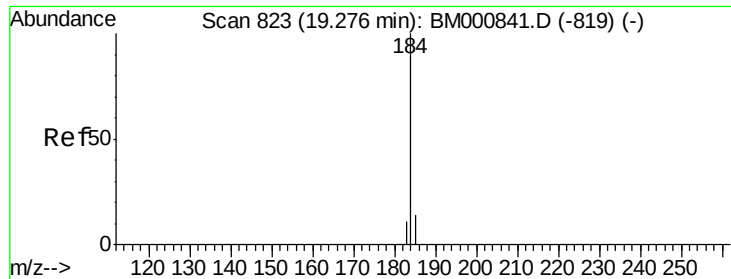
Tgt Ion: 266 Resp: 68  
 Ion Ratio Lower Upper  
 266 100  
 268 100.0 51.4 77.0#  
 264 89.1 57.1 85.7#



#30  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 21.21 min Scan# 970  
 Delta R.T. -0.00 min  
 Lab File: BM000846.D  
 Acq: 03 Apr 2015 22:23

Tgt Ion: 240 Resp: 140355  
 Ion Ratio Lower Upper  
 240 100  
 120 11.7 11.3 16.9  
 236 24.8 21.1 31.7





#31

Benzidine

Concen: 0.57 ng

RT: 19.28 min Scan# 823

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

Instrument :

BNA\_M

ClientSampleId :

MDL-05-S

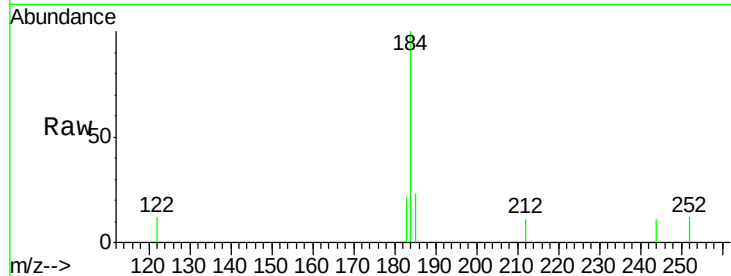
Tgt Ion:184 Resp: 1749

Ion Ratio Lower Upper

184 100

185 23.0 39.1 58.7#

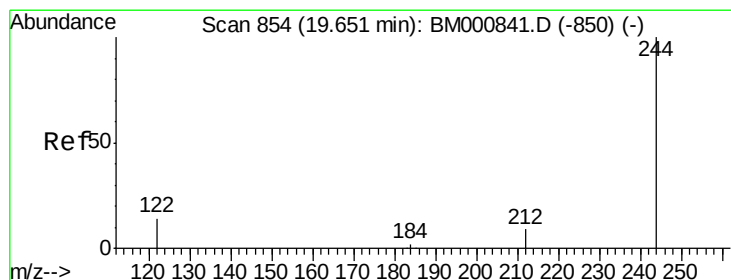
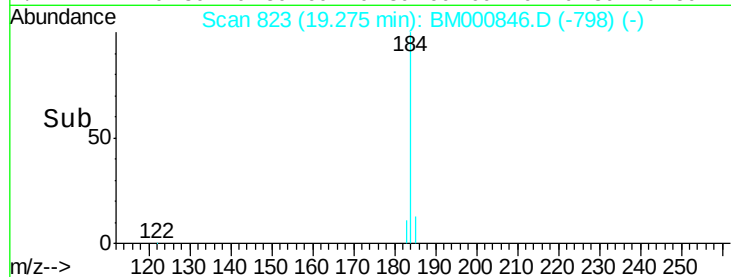
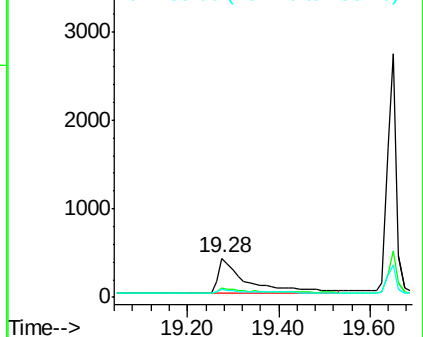
183 20.7 36.1 54.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#32

Terphenyl-d14

Concen: 9.76 ng

RT: 19.65 min Scan# 854

Delta R.T. -0.00 min

Lab File: BM000846.D

Acq: 03 Apr 2015 22:23

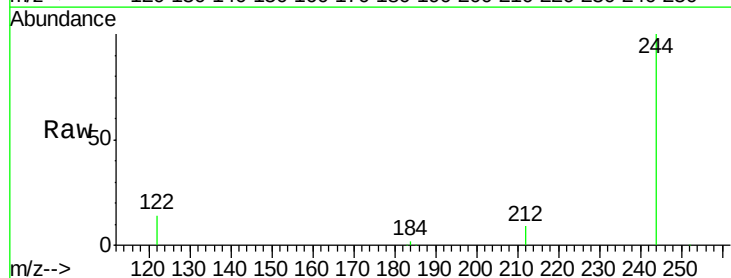
Tgt Ion:244 Resp: 164918

Ion Ratio Lower Upper

244 100

212 9.3 8.0 12.0

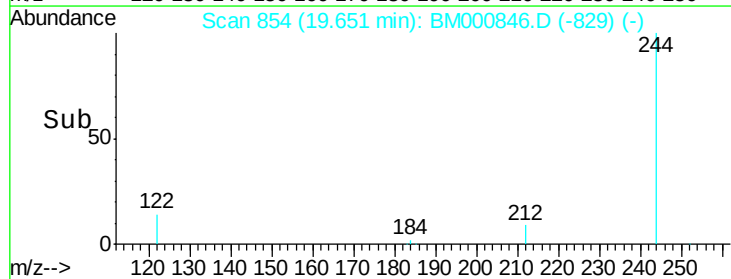
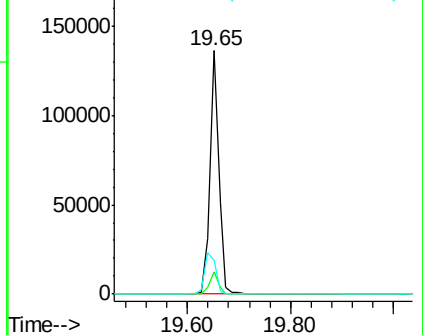
122 13.8 14.7 22.1#

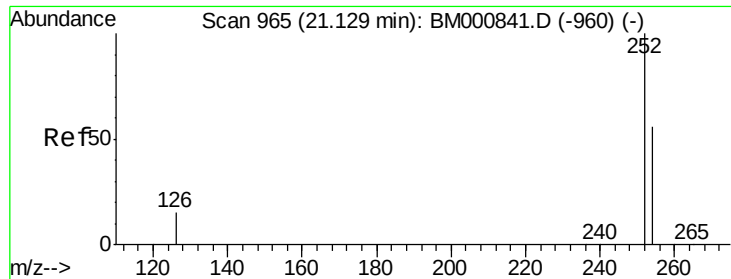


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

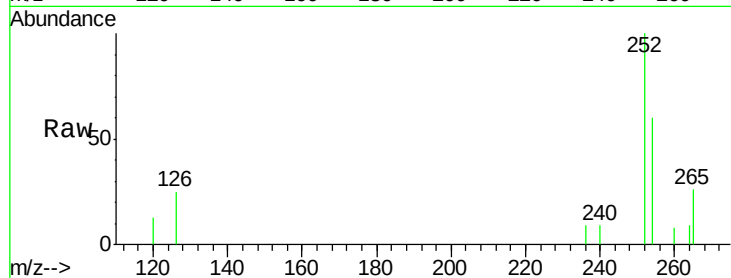




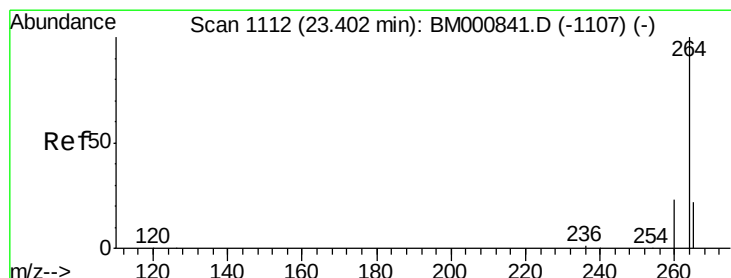
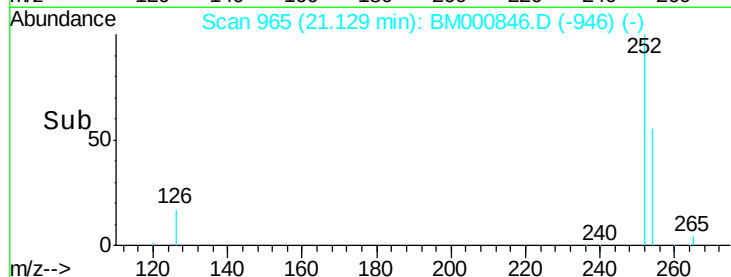
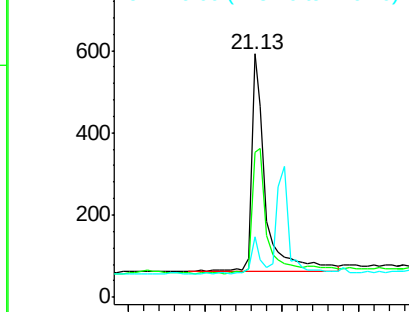
#33  
 3,3'-Dichlorobenzidine  
 Concen: 0.30 ng  
 RT: 21.13 min Scan# 965  
 Delta R.T. -0.00 min  
 Lab File: BM000846.D  
 Acq: 03 Apr 2015 22:23

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-05-S

Tgt Ion: 252 Resp: 1331  
 Ion Ratio Lower Upper  
 252 100  
 254 59.6 44.5 66.7  
 126 24.8 13.6 20.4#

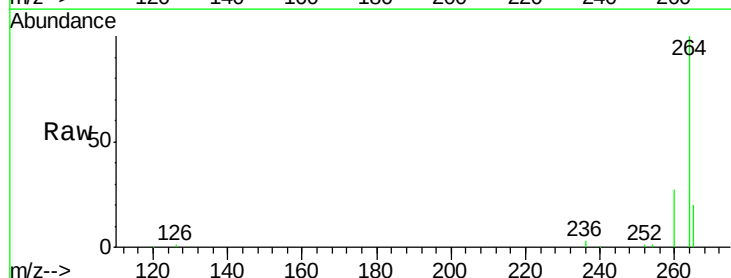


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E



#34  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.39 min Scan# 1111  
 Delta R.T. -0.02 min  
 Lab File: BM000846.D  
 Acq: 03 Apr 2015 22:23

Tgt Ion: 264 Resp: 131258  
 Ion Ratio Lower Upper  
 264 100  
 260 26.8 19.1 28.7  
 265 19.9 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

