

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081915\  
 Data File : BM002509.D  
 Acq On : 20 Aug 2015 02:09  
 Operator : UM/IZ  
 Sample : MDL-BLK-S-ML  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-BLK-S-ML

Quant Time: Aug 20 05:33:24 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 20 05:32:43 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.82  | 152  | 117755   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.69 | 136  | 573901   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 15.41 | 164  | 333003   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 18.12 | 188  | 735060   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 22.20 | 240  | 809720   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.85 | 264  | 821633   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.85  | 96  | 15237   | 5.98  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.93  | 99  | 330841  | 31.06 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 8.11  | 67  | 190507  | 30.29 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.33  | 132 | 296028  | 33.63 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.52  | 113 | 297003  | 32.55 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 10.02 | 128 | 159302  | 37.02 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.75 | 143 | 171870  | 45.16 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 11.29 | 165 | 277321  | 33.21 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.81 | 131 | 450302  | 40.64 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.79 | 166 | 964217  | 35.17 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 15.11 | 160 | 1195279 | 34.65 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.57 | 143 | 179861  | 36.35 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 16.38 | 176 | 804609  | 33.54 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 16.49 | 200 | 133022  | 46.05 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 18.22 | 188 | 1260874 | 35.35 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 20.44 | 212 | 1335849 | 34.02 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.69 | 264 | 1571337 | 36.02 | ng/ul | 0.00 |

## Target Compounds

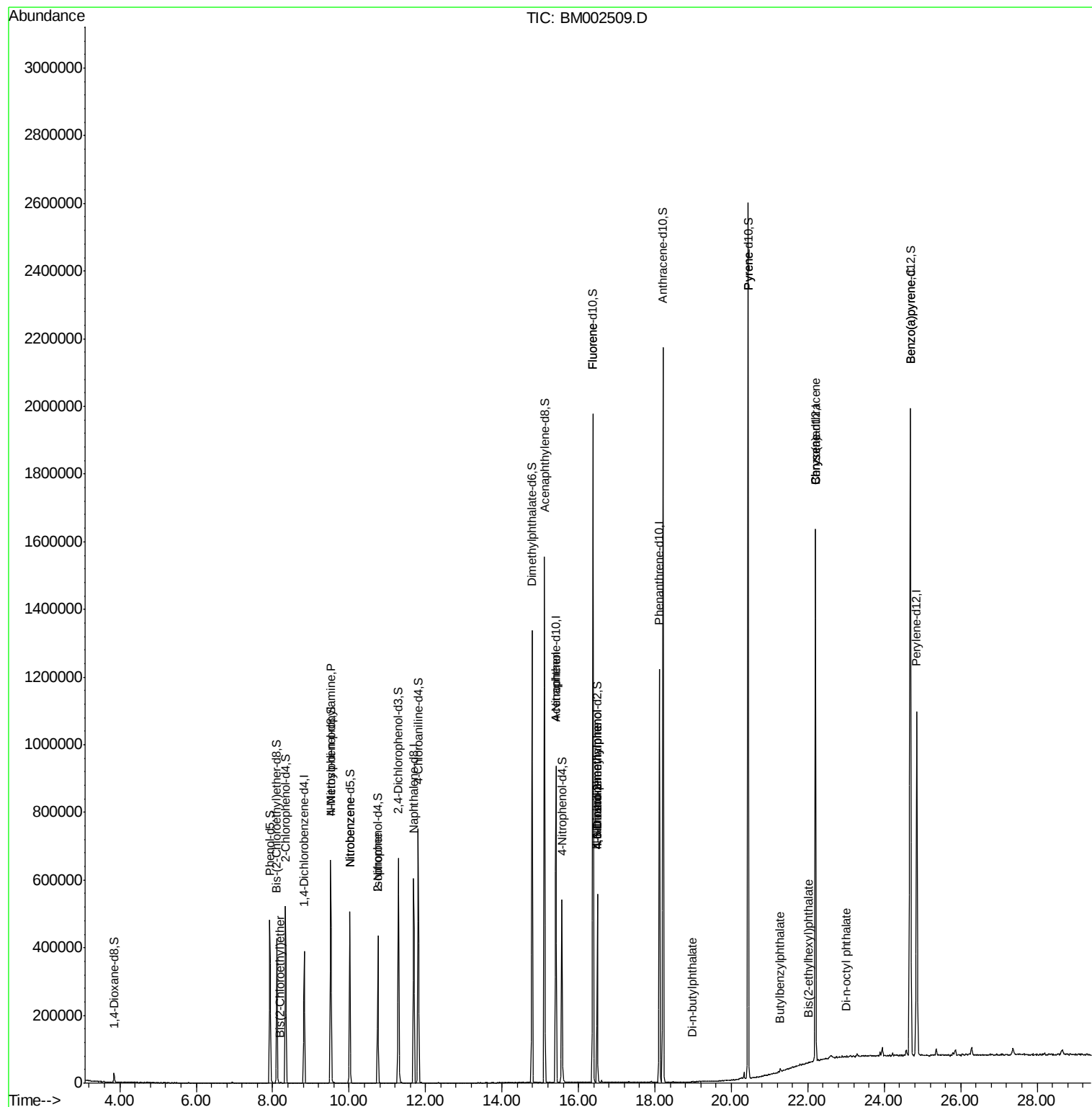
|                                |       |     |      |      |        | Qvalue |
|--------------------------------|-------|-----|------|------|--------|--------|
| 8) Bis(2-Chloroethyl)ether     | 8.21  | 93  | 1207 | 0.14 | ng/ul# | 86     |
| 15) N-Nitroso-di-n-propylamine | 9.52  | 70  | 5973 | 0.82 | ng/ul# | 1      |
| 20) Nitrobenzene               | 10.02 | 77  | 667  | 0.07 | ng/ul# | 38     |
| 21) Isophorone                 | 10.75 | 82  | 8697 | 0.44 | ng/ul# | 66     |
| 53) 4-Nitrophenol              | 15.41 | 109 | 259  | 0.07 | ng/ul# | 11     |
| 59) Fluorene                   | 16.38 | 166 | 1662 | 0.06 | ng/ul# | 6      |
| 61) 4-Nitroaniline             | 16.49 | 138 | 259  | 0.04 | ng/ul# | 1      |
| 64) 4,6-Dinitro-2-methylphenol | 16.49 | 198 | 253  | 0.08 | ng/ul# | 1      |
| 65) N-Nitrosodiphenylamine     | 16.50 | 169 | 842  | 0.03 | ng/ul# | 13     |
| 76) Di-n-butylphthalate        | 18.99 | 149 | 585  | 0.01 | ng/ul# | 79     |
| 80) Pyrene                     | 20.44 | 202 | 1836 | 0.04 | ng/ul# | 1      |
| 81) Butylbenzylphthalate       | 21.27 | 149 | 251  | 0.01 | ng/ul# | 23     |
| 83) Benzo(a)anthracene         | 22.20 | 228 | 1981 | 0.04 | ng/ul# | 55     |
| 84) Bis(2-ethylhexyl)phthalate | 22.02 | 149 | 639  | 0.02 | ng/ul# | 53     |
| 85) Chrysene                   | 22.20 | 228 | 1981 | 0.04 | ng/ul# | 53     |
| 87) Di-n-octyl phthalate       | 23.01 | 149 | 137  | 0.00 | ng/ul  | 100    |
| 91) Benzo(a)pyrene             | 24.68 | 252 | 4784 | 0.10 | ng/ul# | 81     |

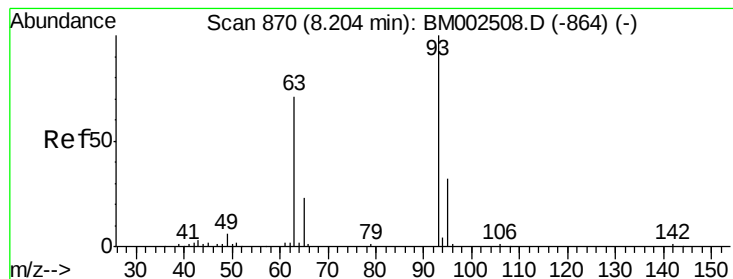
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MDL-BLK-S-ML

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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 20 05:32:43 2015  
Response via : Initial Calibration



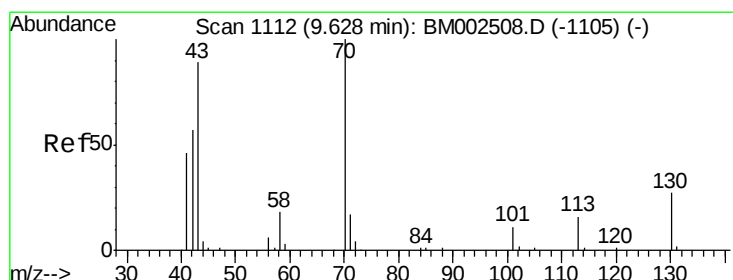
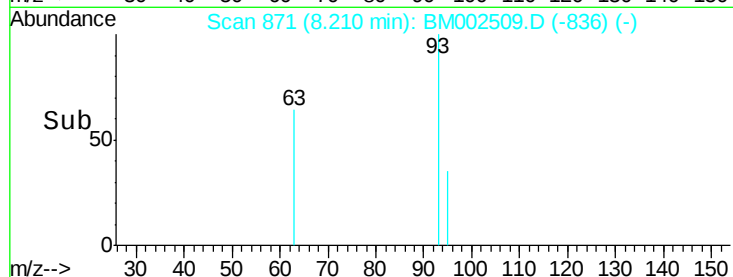
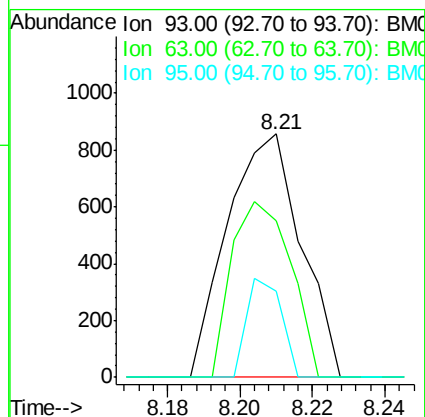
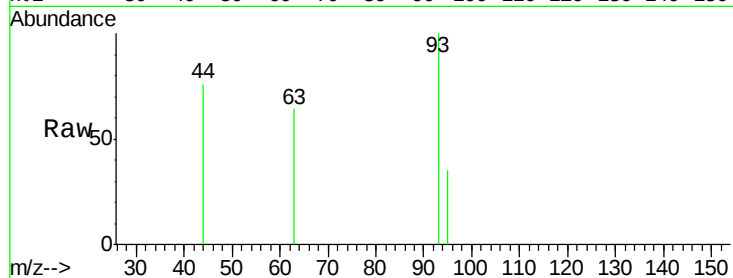


#8

Bis(2-Chloroethyl)ether  
 Concen: 0.14 ng/ul  
 RT: 8.21 min Scan# 871  
 Delta R.T. 0.01 min  
 Lab File: BM002509.D  
 Acq: 20 Aug 2015 02:09

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-BLK-S-ML

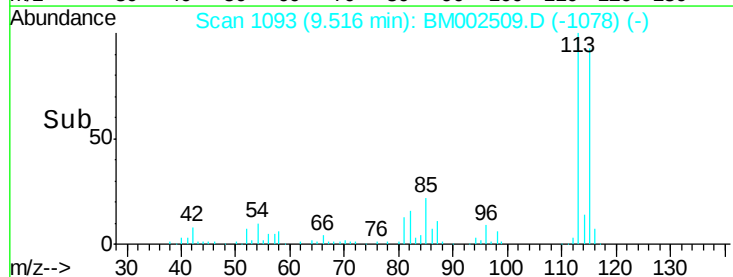
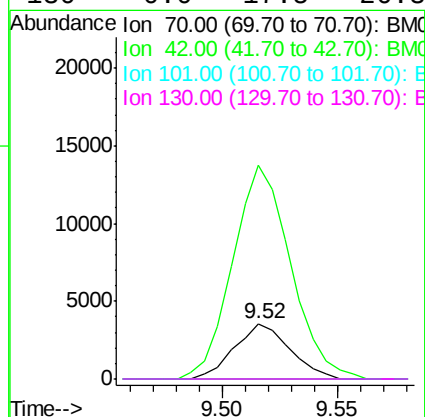
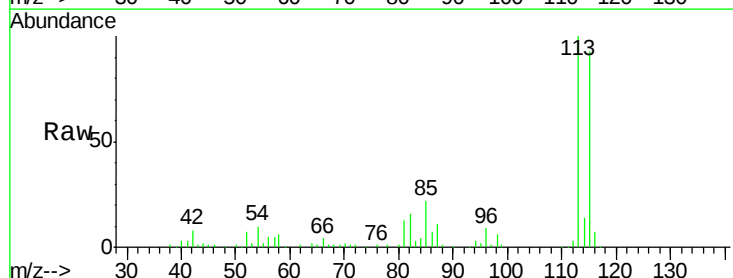
Tgt Ion: 93 Resp: 1207  
 Ion Ratio Lower Upper  
 93 100  
 63 64.2 64.6 97.0#  
 95 35.4 26.6 40.0

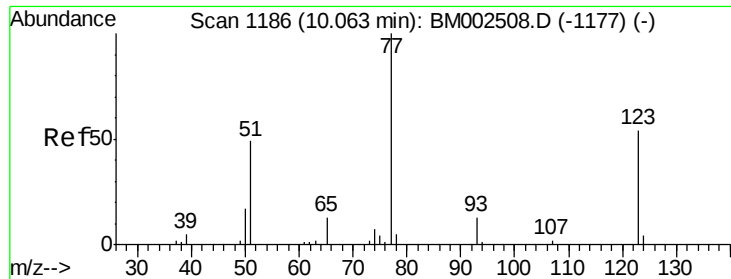


#15

N-Nitroso-di-n-propylamine  
 Concen: 0.82 ng/ul  
 RT: 9.52 min Scan# 1093  
 Delta R.T. -0.11 min  
 Lab File: BM002509.D  
 Acq: 20 Aug 2015 02:09

Tgt Ion: 70 Resp: 5973  
 Ion Ratio Lower Upper  
 70 100  
 42 384.2 53.4 80.0#  
 101 0.0 7.7 11.5#  
 130 0.0 17.5 26.3#

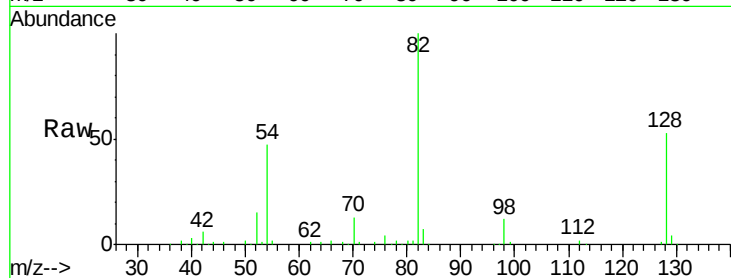




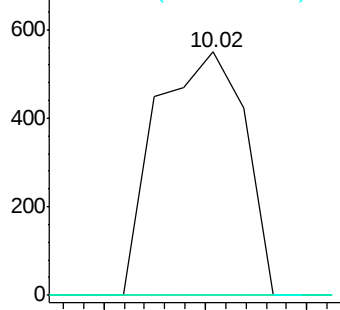
#20  
Nitrobenzene  
Concen: 0.07 ng/ul  
RT: 10.02 min Scan# 1179  
Delta R.T. -0.04 min  
Lab File: BM002509.D  
Acq: 20 Aug 2015 02:09

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-BLK-S-ML

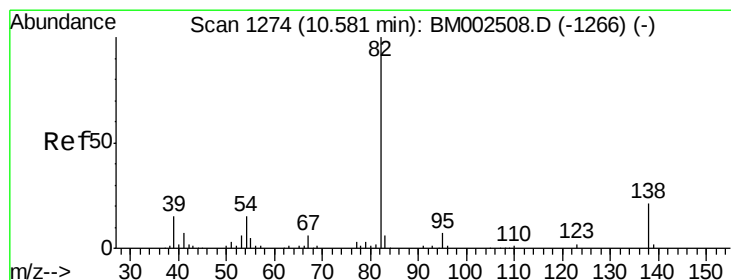
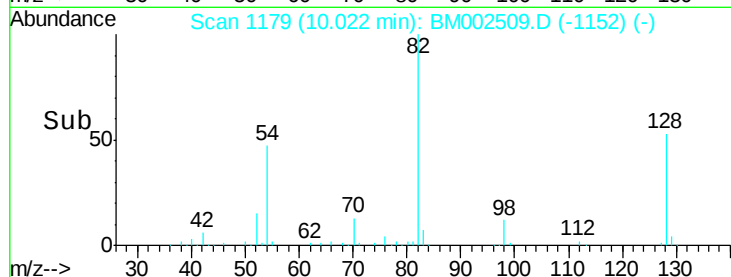
Tgt Ion: 77 Resp: 667  
Ion Ratio Lower Upper  
77 100  
123 0.0 37.0 55.6#  
65 0.0 11.0 16.6#



Abundance Ion 77.00 (76.70 to 77.70): BM002509.D (-1177) (-)  
Ion 123.00 (122.70 to 123.70): BM002509.D (-1177) (-)  
Ion 65.00 (64.70 to 65.70): BM002509.D (-1177) (-)

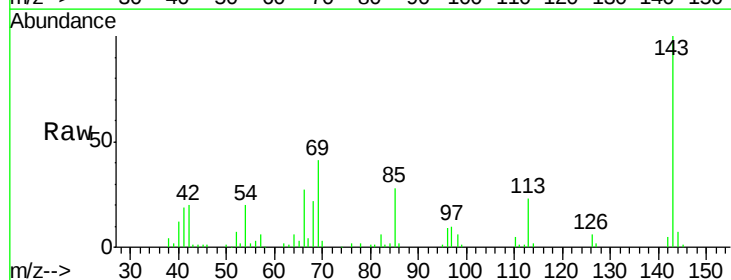


Time-->

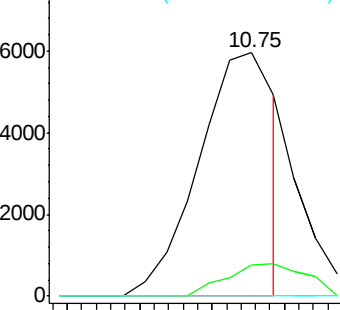


#21  
Isophorone  
Concen: 0.44 ng/ul  
RT: 10.75 min Scan# 1303  
Delta R.T. 0.17 min  
Lab File: BM002509.D  
Acq: 20 Aug 2015 02:09

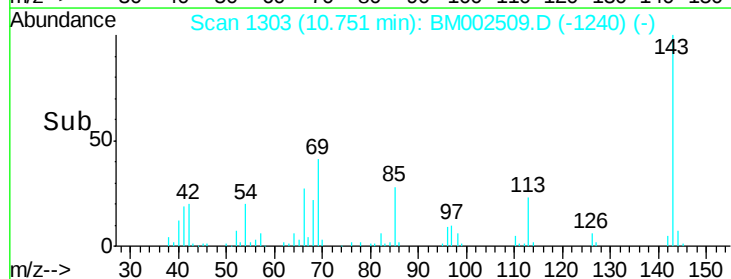
Tgt Ion: 82 Resp: 8697  
Ion Ratio Lower Upper  
82 100  
95 12.6 5.9 8.9#  
138 0.0 15.0 22.4#

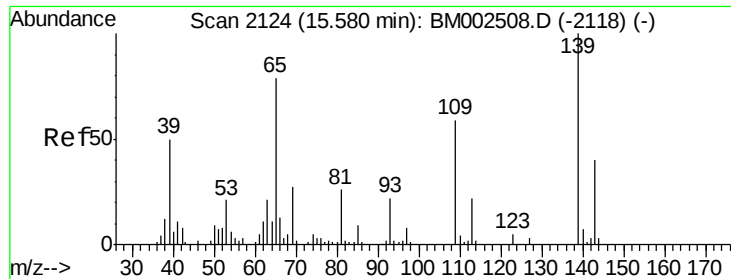


Abundance Ion 82.00 (81.70 to 82.70): BM002509.D (-1266) (-)  
Ion 95.00 (94.70 to 95.70): BM002509.D (-1266) (-)  
Ion 138.00 (137.70 to 138.70): BM002509.D (-1266) (-)



Time-->





#53

4-Nitrophenol

Concen: 0.07 ng/ul

RT: 15.41 min Scan# 2095

Delta R.T. -0.17 min

Lab File: BM002509.D

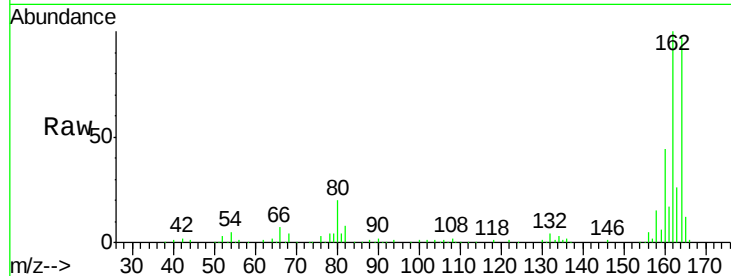
Acq: 20 Aug 2015 02:09

Instrument :

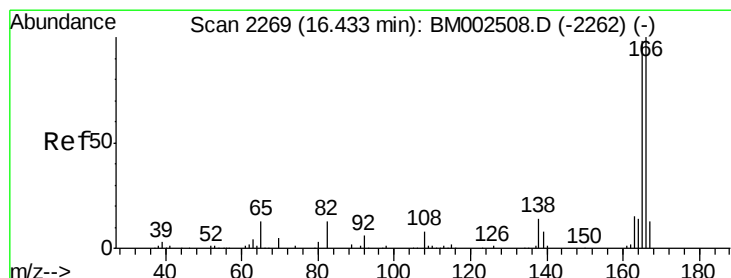
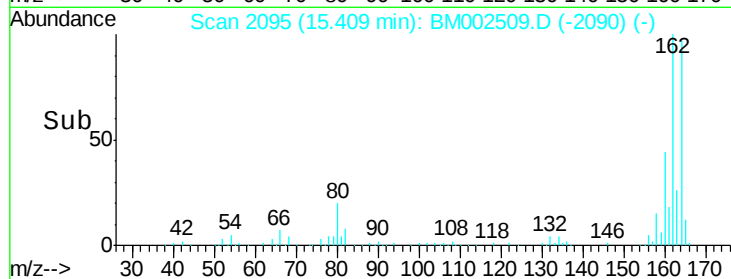
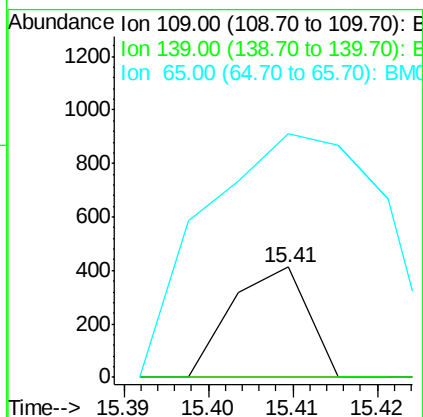
BNA\_M

ClientSampleId :

MDL-BLK-S-ML



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 109   | Resp: | 259    |
| Ion      | Ratio | Lower | Upper  |
| 109      | 100   |       |        |
| 139      | 0.0   | 118.7 | 178.1# |
| 65       | 220.6 | 116.6 | 174.8# |



#59

Fluorene

Concen: 0.06 ng/ul

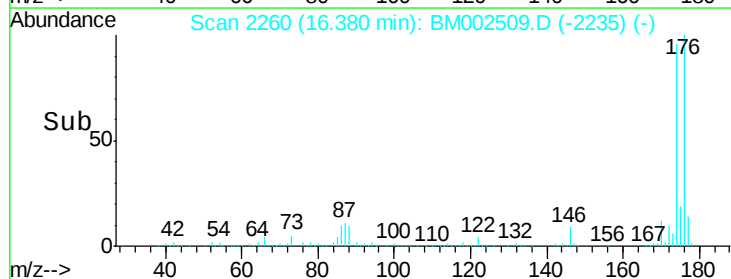
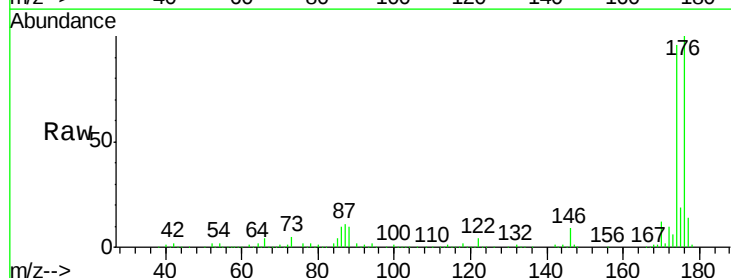
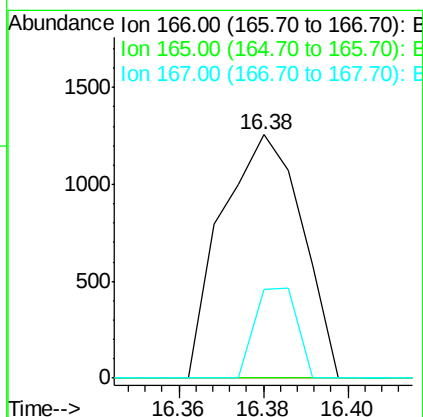
RT: 16.38 min Scan# 2260

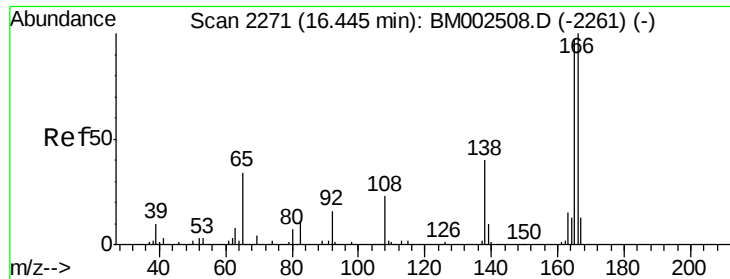
Delta R.T. -0.05 min

Lab File: BM002509.D

Acq: 20 Aug 2015 02:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 1662   |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 0.0   | 77.5  | 116.3# |
| 167      | 36.4  | 10.4  | 15.6#  |

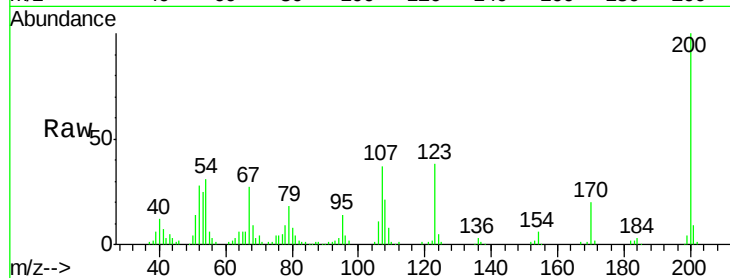




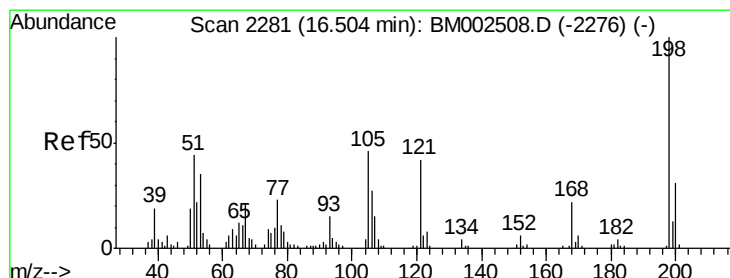
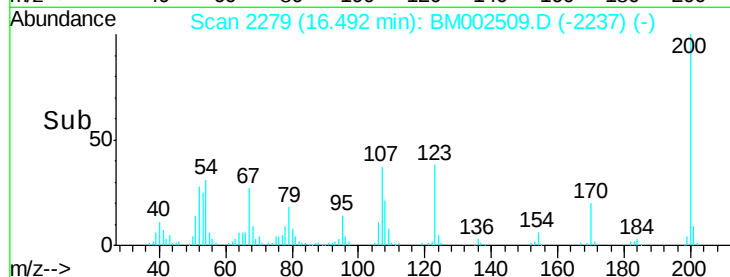
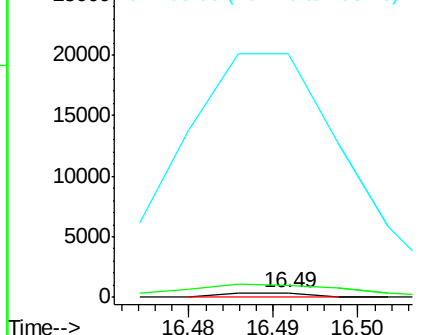
#61  
 4-Nitroaniline  
 Concen: 0.04 ng/ul  
 RT: 16.49 min Scan# 2279  
 Delta R.T. 0.05 min  
 Lab File: BM002509.D  
 Acq: 20 Aug 2015 02:09

Instrument :  
 BNA\_M  
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 MDL-BLK-S-ML

Tgt Ion:138 Resp: 259  
 Ion Ratio Lower Upper  
 138 100  
 92 260.1 40.4 60.6#  
 108 5381.2 56.2 84.2#

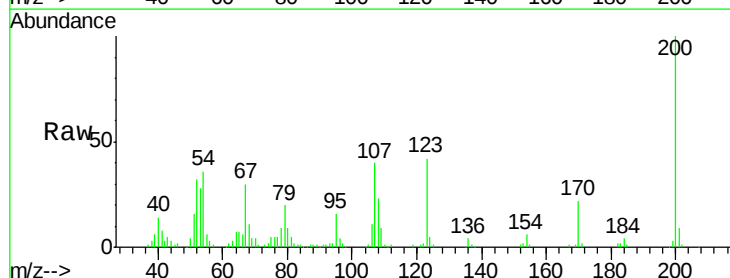


Abundance Ion 138.00 (137.70 to 138.70): E  
 Ion 92.00 (91.70 to 92.70): BM002509.D (-2237) (-)  
 Ion 108.00 (107.70 to 108.70): E

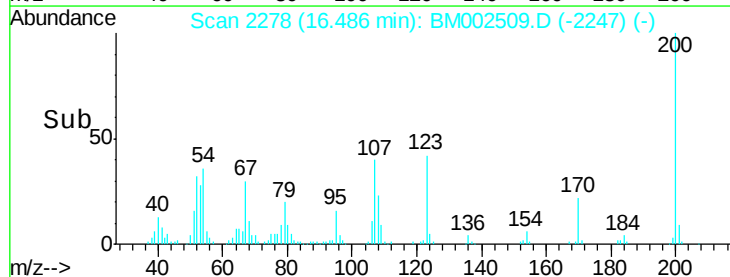
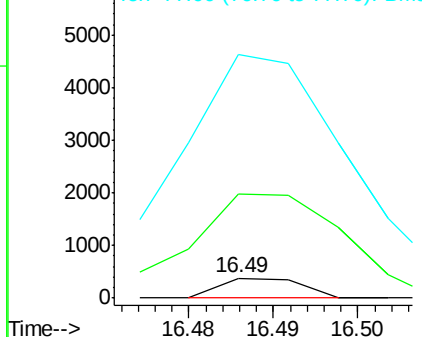


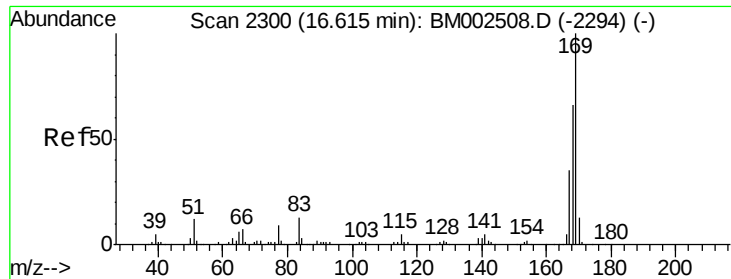
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 0.08 ng/ul  
 RT: 16.49 min Scan# 2278  
 Delta R.T. -0.02 min  
 Lab File: BM002509.D  
 Acq: 20 Aug 2015 02:09

Tgt Ion:198 Resp: 253  
 Ion Ratio Lower Upper  
 198 100  
 182 531.8 3.7 5.5#  
 77 1237.4 24.2 36.4#



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): BM002509.D (-2247) (-)





#65

N-Nitrosodiphenylamine

Concen: 0.03 ng/ul

RT: 16.50 min Scan# 2280

Delta R.T. -0.12 min

Lab File: BM002509.D

Acq: 20 Aug 2015 02:09

Instrument :

BNA\_M

ClientSampleId :

MDL-BLK-S-ML

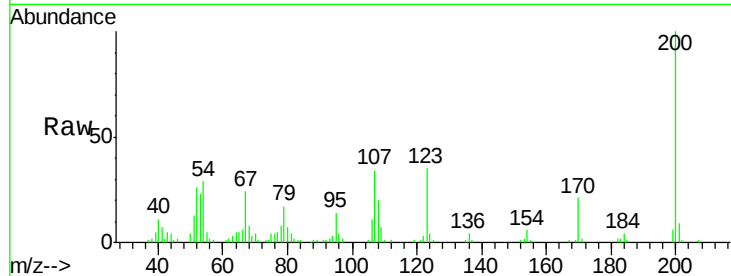
Tgt Ion:169 Resp: 842

Ion Ratio Lower Upper

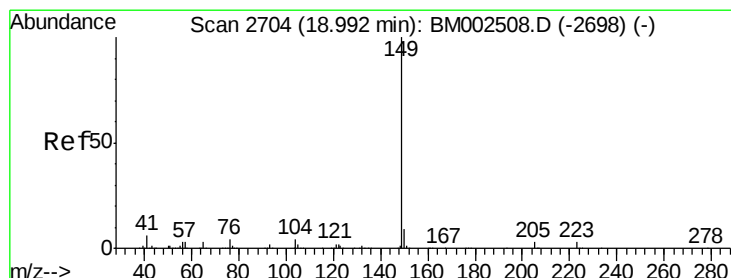
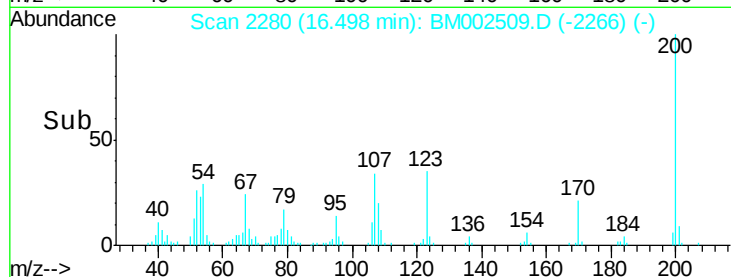
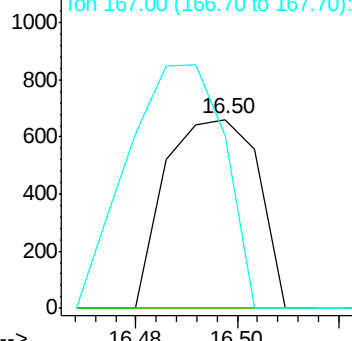
169 100

168 0.0 53.4 80.2#

167 91.7 28.8 43.2#



Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E



#76

Di-n-butylphthalate

Concen: 0.01 ng/ul

RT: 18.99 min Scan# 2703

Delta R.T. -0.01 min

Lab File: BM002509.D

Acq: 20 Aug 2015 02:09

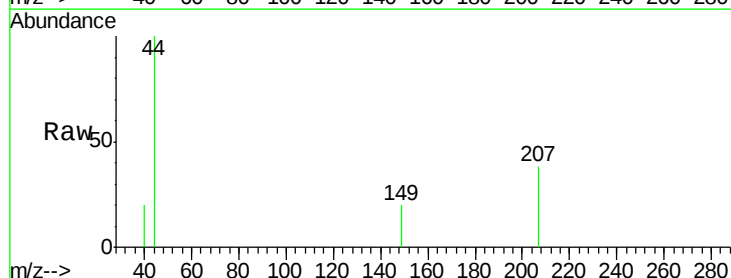
Tgt Ion:149 Resp: 585

Ion Ratio Lower Upper

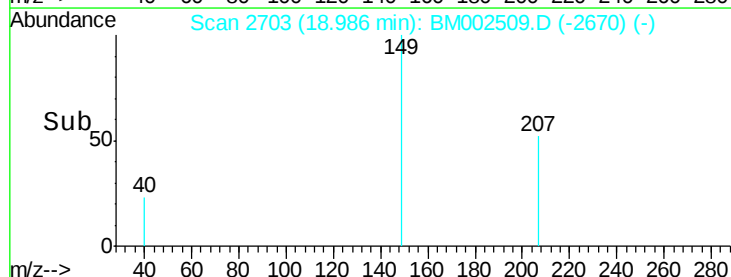
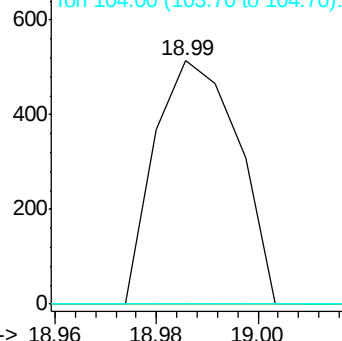
149 100

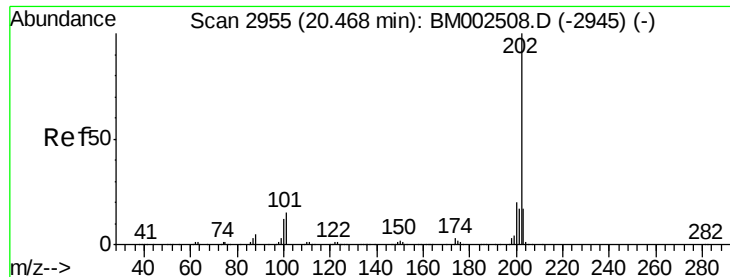
150 0.0 7.3 10.9#

104 0.0 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E





#80

Pyrene

Concen: 0.04 ng/ul

RT: 20.44 min Scan# 2950

Delta R.T. -0.03 min

Lab File: BM002509.D

Acq: 20 Aug 2015 02:09

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MDL-BLK-S-ML

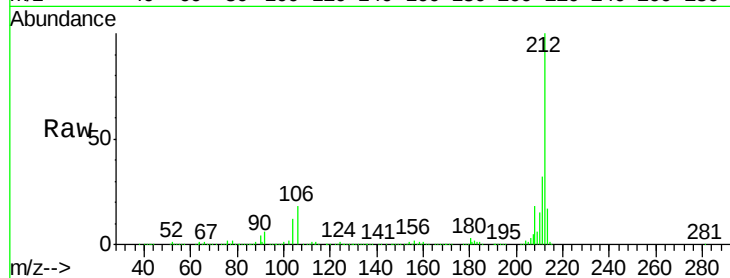
Tgt Ion:202 Resp: 1836

Ion Ratio Lower Upper

202 100

101 0.0 13.0 19.6#

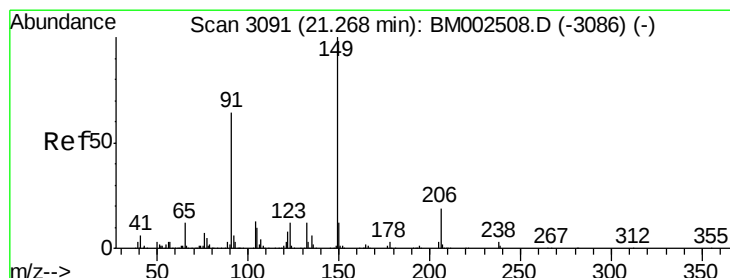
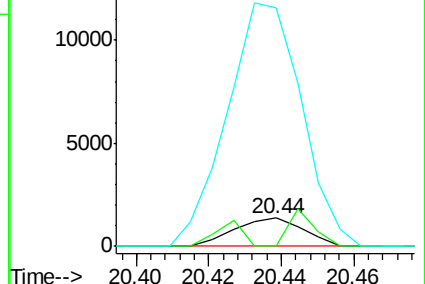
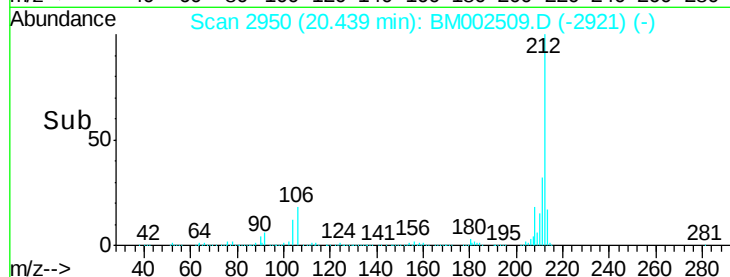
100 848.7 11.0 16.4#



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



#81

Butylbenzylphthalate

Concen: 0.01 ng/ul

RT: 21.27 min Scan# 3092

Delta R.T. 0.01 min

Lab File: BM002509.D

Acq: 20 Aug 2015 02:09

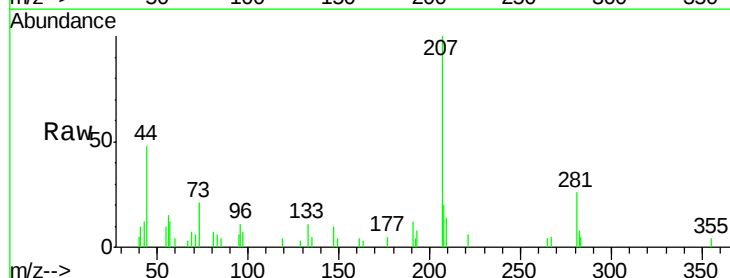
Tgt Ion:149 Resp: 251

Ion Ratio Lower Upper

149 100

91 0.0 57.5 86.3#

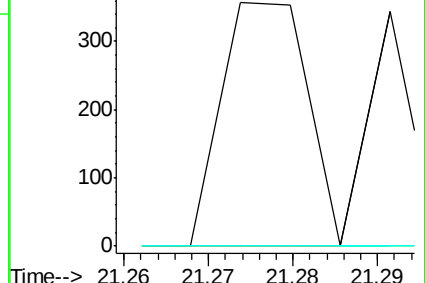
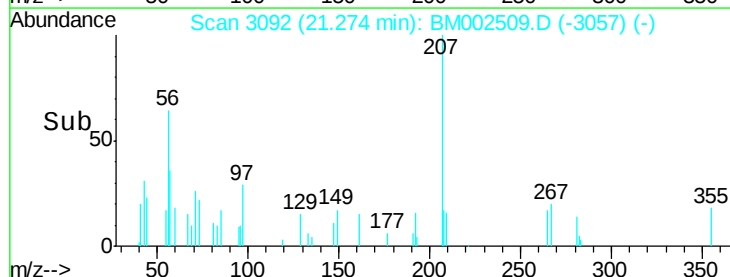
206 0.0 15.2 22.8#

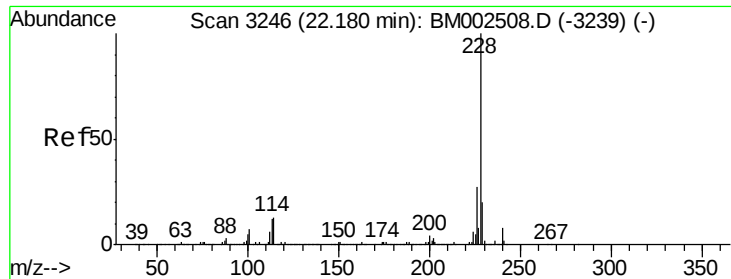


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E





#83

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 22.20 min Scan# 3249

Delta R.T. 0.02 min

Lab File: BM002509.D

Acq: 20 Aug 2015 02:09

Instrument :

BNA\_M

ClientSampleId :

MDL-BLK-S-ML

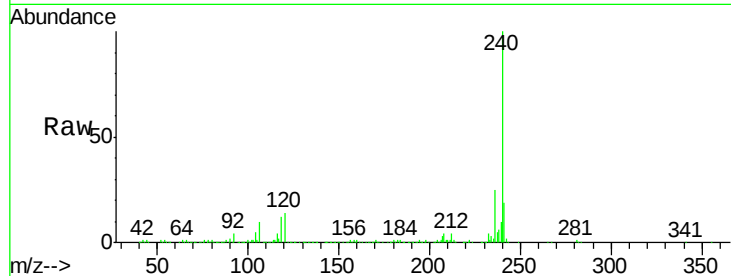
Tgt Ion:228 Resp: 1981

Ion Ratio Lower Upper

228 100

229 35.9 15.7 23.5#

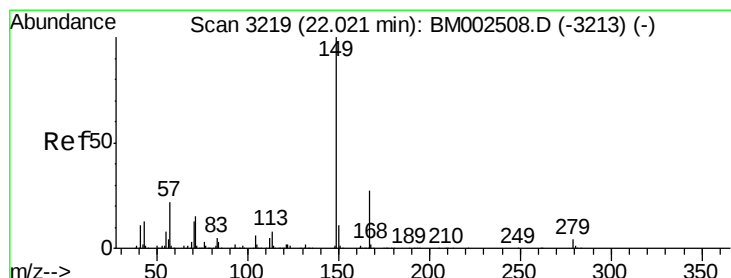
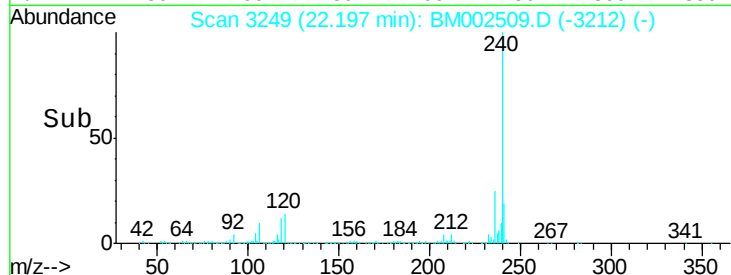
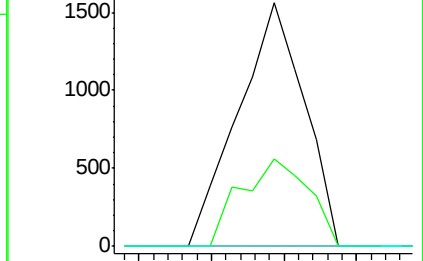
226 0.0 21.4 32.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.02 ng/ul

RT: 22.02 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BM002509.D

Acq: 20 Aug 2015 02:09

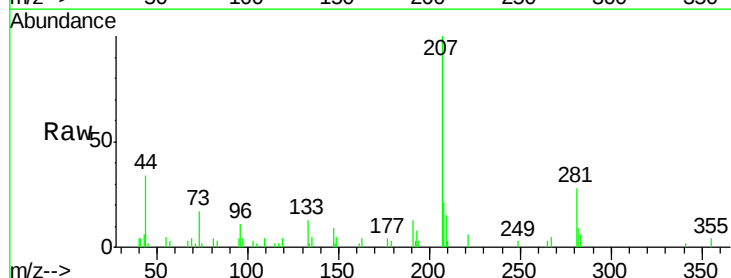
Tgt Ion:149 Resp: 639

Ion Ratio Lower Upper

149 100

167 0.0 21.4 32.2#

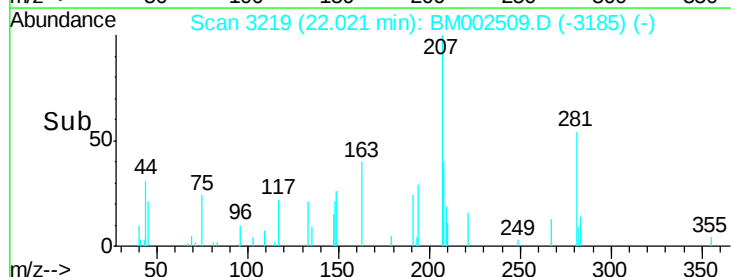
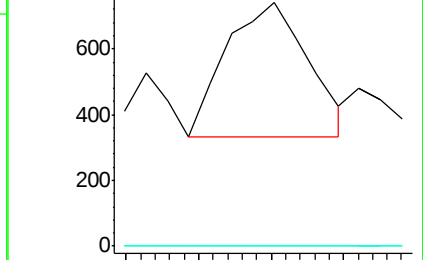
279 0.0 3.2 4.8#

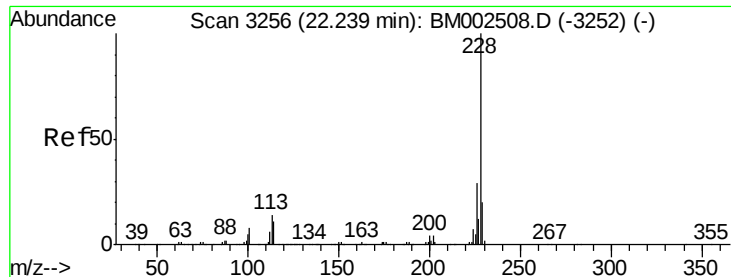


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 0.04 ng/ul

RT: 22.20 min Scan# 3249

Delta R.T. -0.04 min

Lab File: BM002509.D

Acq: 20 Aug 2015 02:09

Instrument :

BNA\_M

ClientSampleId :

MDL-BLK-S-ML

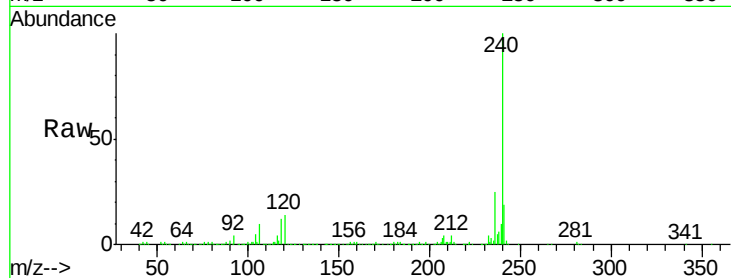
Tgt Ion:228 Resp: 1981

Ion Ratio Lower Upper

228 100

226 0.0 23.4 35.0#

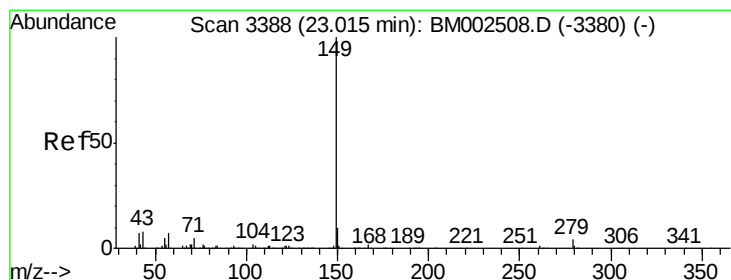
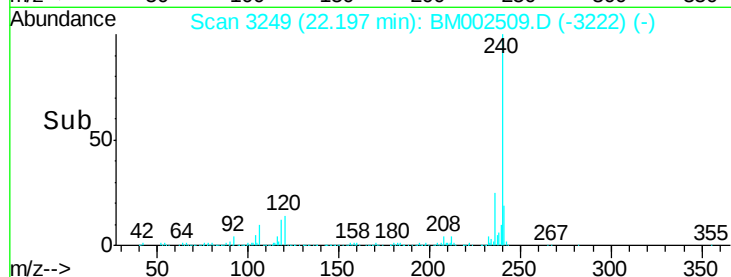
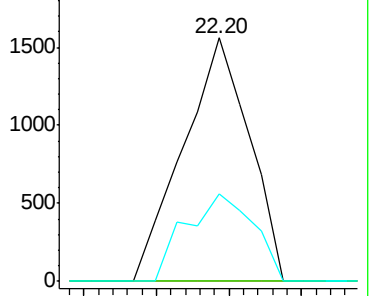
229 35.9 15.5 23.3#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Di-n-octyl phthalate

Concen: 0.00 ng/ul

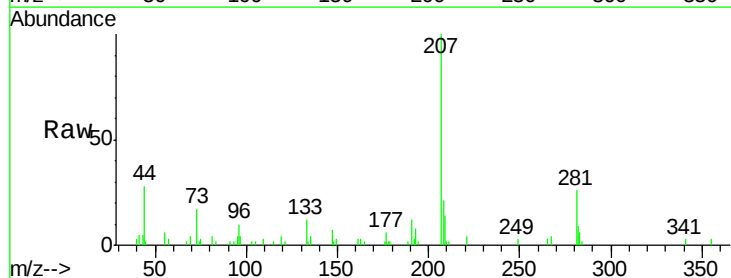
RT: 23.01 min Scan# 3387

Delta R.T. -0.01 min

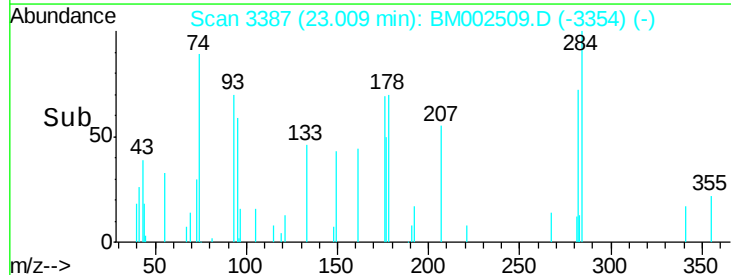
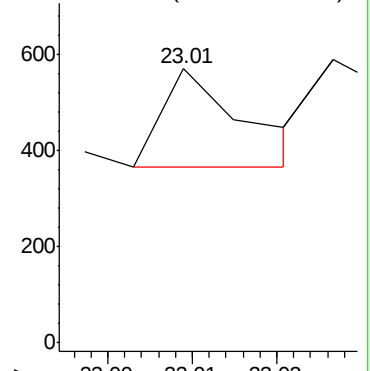
Lab File: BM002509.D

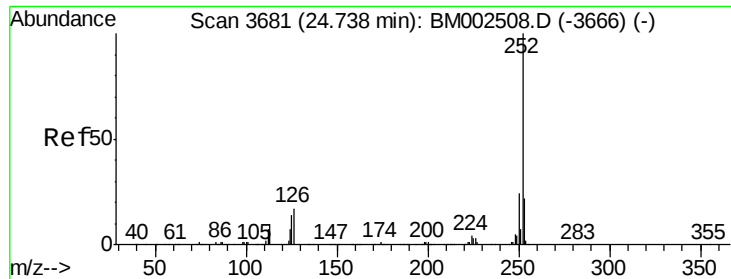
Acq: 20 Aug 2015 02:09

Tgt Ion:149 Resp: 137



Abundance Ion 149.00 (148.70 to 149.70): E





#91

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 24.68 min Scan# 3671

Delta R.T. -0.06 min

Lab File: BM002509.D

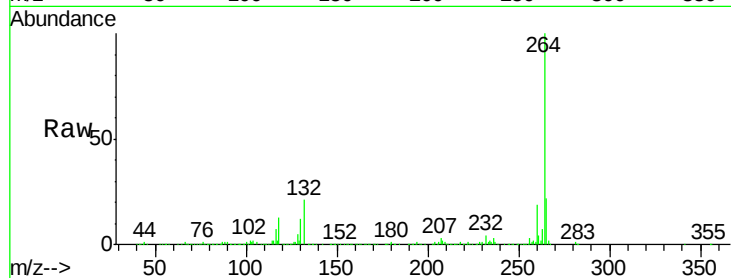
Acq: 20 Aug 2015 02:09

Instrument :

BNA\_M

ClientSampleId :

MDL-BLK-S-ML



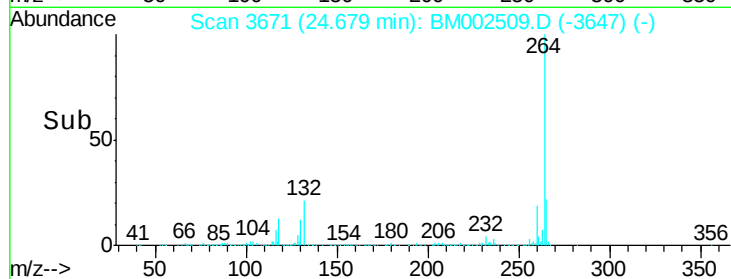
Tgt Ion: 252 Resp: 4784

Ion Ratio Lower Upper

252 100

253 25.7 17.3 25.9

125 28.0 11.0 16.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

