

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM032916\  
 Data File : BM004821.D  
 Acq On : 29 Mar 2016 15:11  
 Operator : UM/SJ  
 Sample : H1939-07MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9SG2MS

Quant Time: Mar 30 02:32:44 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM031516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 30 02:30:53 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 67049    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.62 | 136  | 318285   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.46 | 164  | 193733   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.21 | 188  | 447487   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.39 | 240  | 486206   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.69 | 264  | 401845   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

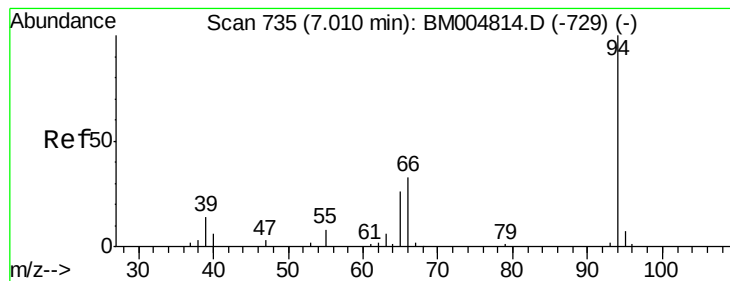
|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.32  | 96  | 1768   | 0.91  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.99  | 99  | 34414  | 6.25  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67  | 112700 | 36.09 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.36  | 132 | 116570 | 26.28 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.53  | 113 | 71817  | 16.17 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.98  | 128 | 76146  | 34.40 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.70  | 143 | 79964  | 33.45 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.23 | 165 | 133583 | 28.48 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.76 | 131 | 2050   | 0.37  | ng/ul | 0.01  |
| 44) Dimethylphthalate-d6       | 13.87 | 166 | 523854 | 34.59 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.16 | 160 | 627629 | 33.80 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.65 | 143 | 11596  | 3.96  | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.46 | 176 | 449609 | 34.06 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.57 | 200 | 72467  | 30.81 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.21 | 188 | 447487 | 21.72 | ng/ul | -0.09 |
| 79) Pyrene-d10                 | 19.60 | 212 | 801395 | 36.11 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.54 | 264 | 707299 | 39.41 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 6) Phenol                      | 7.01  | 94  | 36639  | 6.32  | ng/ul  | 97     |
| 10) 2-Chlorophenol             | 7.39  | 128 | 114498 | 24.45 | ng/ul  | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.63  | 70  | 124541 | 35.37 | ng/ul  | 94     |
| 33) 4-Chloro-3-methylphenol    | 11.89 | 107 | 135040 | 24.70 | ng/ul  | 99     |
| 46) 2,6-Dinitrotoluene         | 13.87 | 165 | 3706   | 1.35  | ng/ul# | 42     |
| 50) Acenaphthene               | 14.53 | 153 | 414524 | 30.86 | ng/ul  | 99     |
| 53) 4-Nitrophenol              | 14.66 | 109 | 9849   | 4.15  | ng/ul# | 90     |
| 55) 2,4-Dinitrotoluene         | 14.83 | 165 | 135532 | 32.83 | ng/ul  | 93     |
| 69) Pentachlorophenol          | 16.86 | 266 | 91186  | 27.79 | ng/ul  | 99     |
| 80) Pyrene                     | 19.63 | 202 | 970652 | 32.94 | ng/ul  | 99     |

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





#6

Phenol

Concen: 6.32 ng/ul

RT: 7.01 min Scan# 735

Delta R.T. -0.00 min

Lab File: BM004821.D

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Instrument :

BNA\_M

ClientSampleId :

D9SG2MS

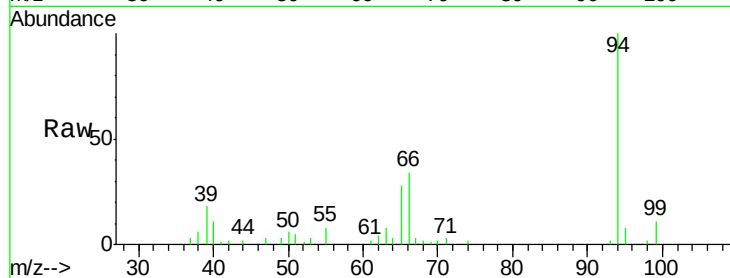
Tgt Ion: 94 Resp: 36639

Ion Ratio Lower Upper

94 100

65 27.5 21.0 31.6

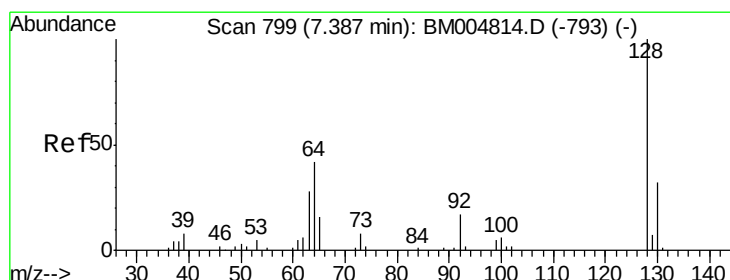
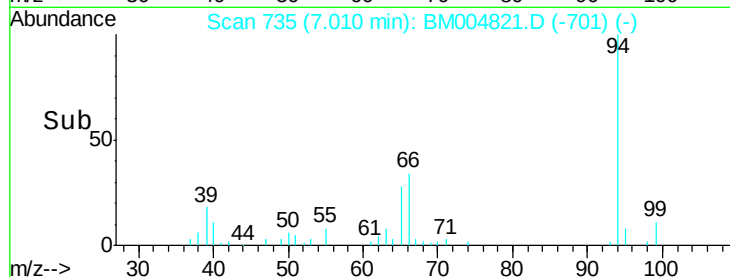
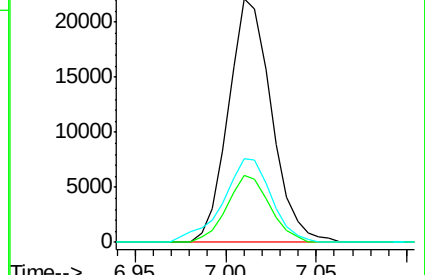
66 34.1 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM004821.D (-701) (-)

Ion 65.00 (64.70 to 65.70): BM004821.D (-701) (-)

Ion 66.00 (65.70 to 66.70): BM004821.D (-701) (-)



#10

2-Chlorophenol

Concen: 24.45 ng/ul

RT: 7.39 min Scan# 800

Delta R.T. 0.01 min

Lab File: BM004821.D

Acq: 29 Mar 2016 15:11

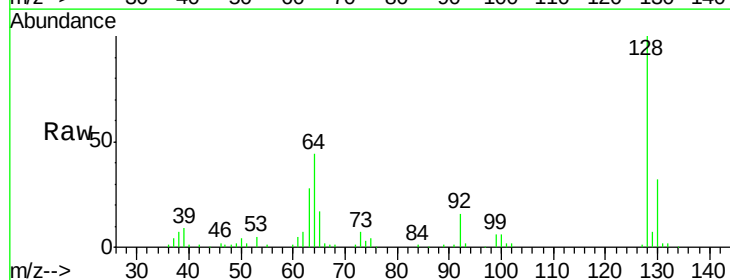
Tgt Ion: 128 Resp: 114498

Ion Ratio Lower Upper

128 100

64 43.5 31.9 47.9

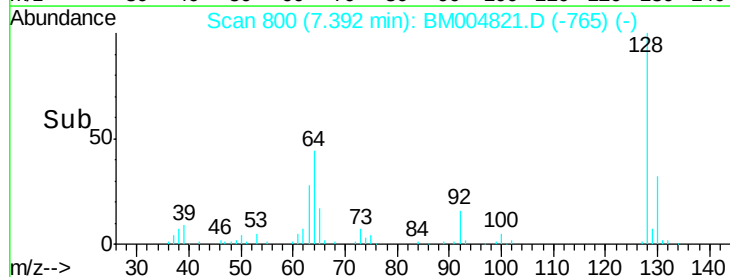
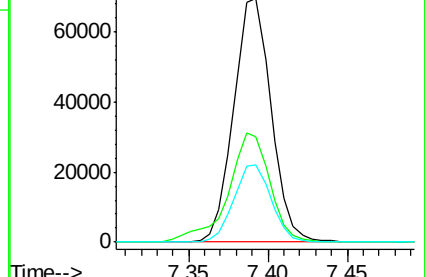
130 31.8 25.6 38.4

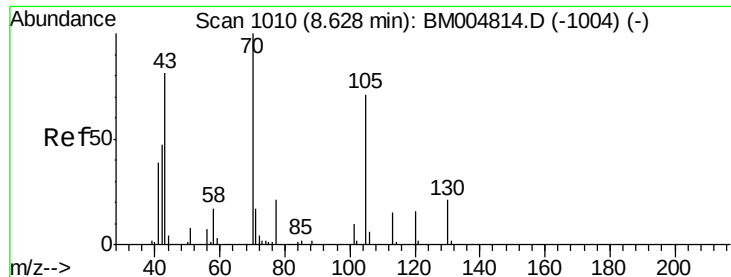


Abundance Ion 128.00 (127.70 to 128.70): BM004821.D (-765) (-)

Ion 64.00 (63.70 to 64.70): BM004821.D (-765) (-)

Ion 130.00 (129.70 to 130.70): BM004821.D (-765) (-)

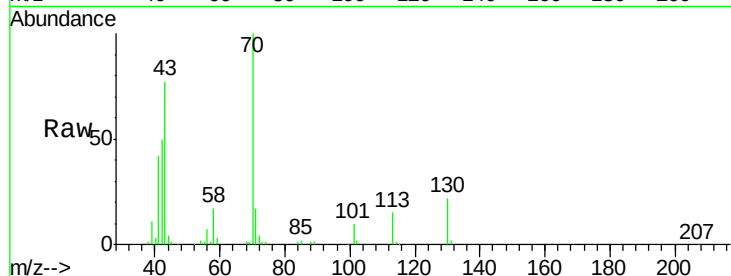




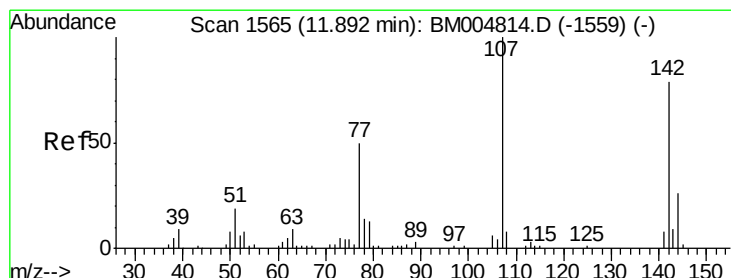
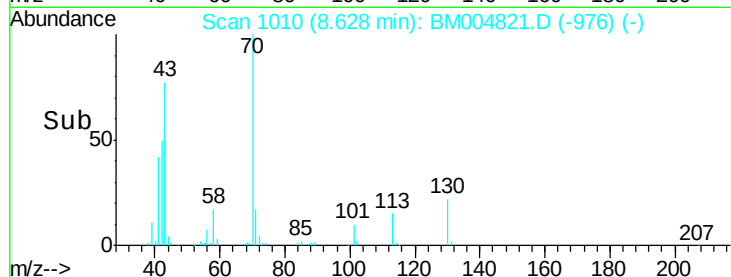
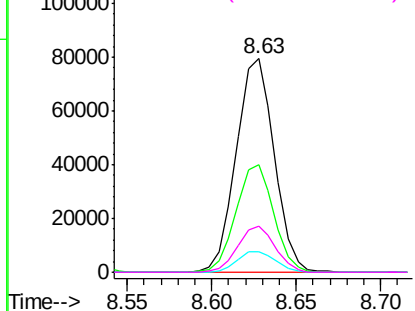
#15  
N-Nitroso-di-n-propylamine  
Concen: 35.37 ng/ul  
RT: 8.63 min Scan# 1010  
Delta R.T. -0.00 min  
Lab File: BM004821.D  
Acq: 29 Mar 2016 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
D9SG2MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 124541 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 50.3  | 35.4  | 53.0   |
| 101      | 9.9   | 8.4   | 12.6   |
| 130      | 21.8  | 18.2  | 27.4   |

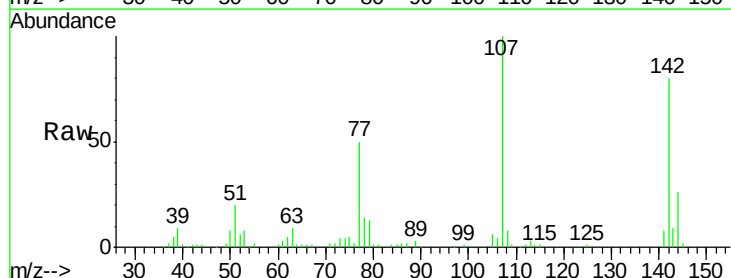


Abundance Ion 70.00 (69.70 to 70.70): BM004821.D (-976) (-)  
Ion 42.00 (41.70 to 42.70): BM004821.D (-976) (-)  
Ion 101.00 (100.70 to 101.70): BM004821.D (-976) (-)  
Ion 130.00 (129.70 to 130.70): BM004821.D (-976) (-)

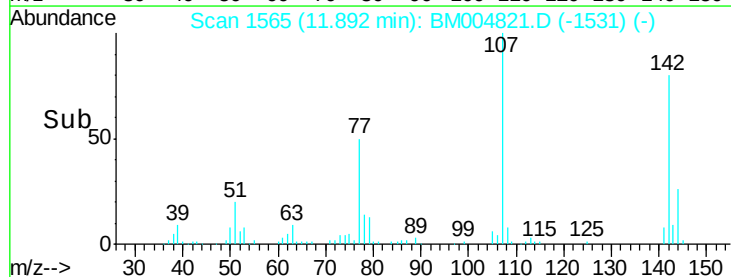
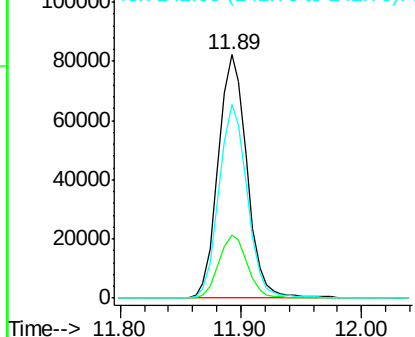


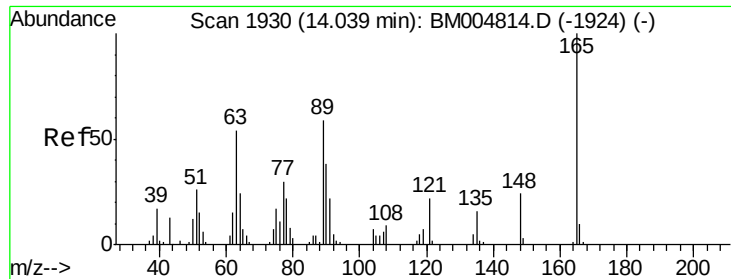
#33  
4-Chloro-3-methylphenol  
Concen: 24.70 ng/ul  
RT: 11.89 min Scan# 1565  
Delta R.T. -0.00 min  
Lab File: BM004821.D  
Acq: 29 Mar 2016 15:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 135040 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 144      | 25.9  | 20.4  | 30.6   |
| 142      | 79.6  | 62.5  | 93.7   |



Abundance Ion 107.00 (106.70 to 107.70): BM004821.D (-1531) (-)  
Ion 144.00 (143.70 to 144.70): BM004821.D (-1531) (-)  
Ion 142.00 (141.70 to 142.70): BM004821.D (-1531) (-)

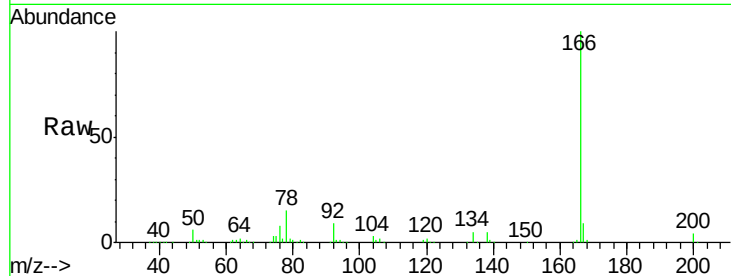




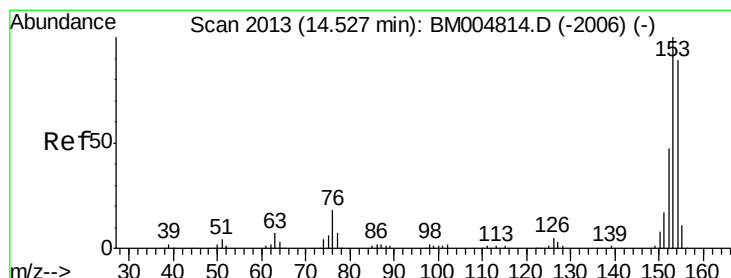
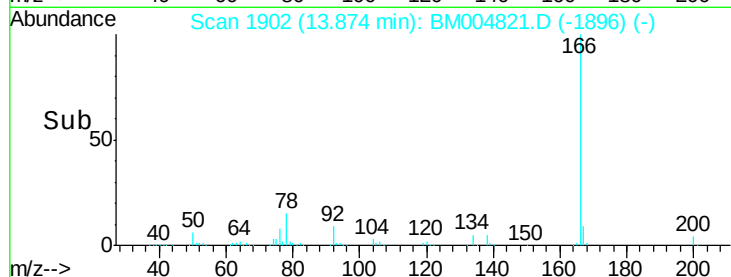
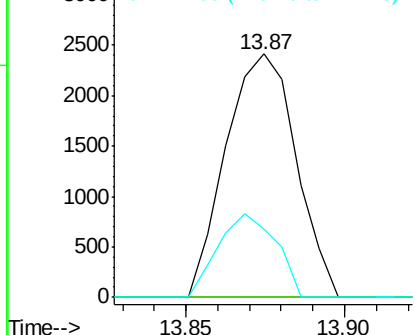
#46  
 2,6-Dinitrotoluene  
 Concen: 1.35 ng/ul  
 RT: 13.87 min Scan# 1902  
 Delta R.T. -0.16 min  
 Lab File: BM004821.D  
 Acq: 29 Mar 2016 15:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9SG2MS

Tgt Ion:165 Resp: 3706  
 Ion Ratio Lower Upper  
 165 100  
 89 0.0 42.4 63.6#  
 121 27.9 16.6 24.8#

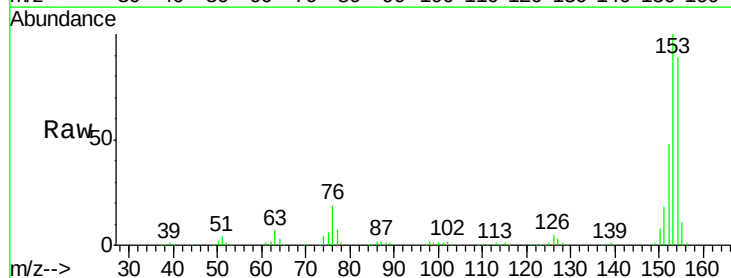


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 89.00 (88.70 to 89.70): BM0  
 Ion 121.00 (120.70 to 121.70): E

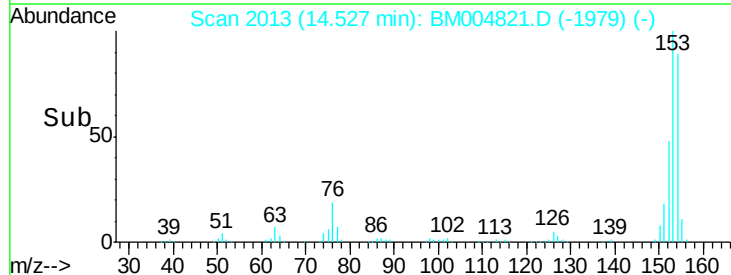
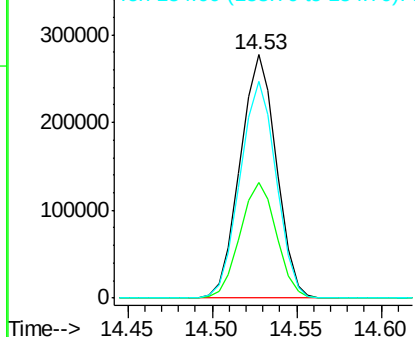


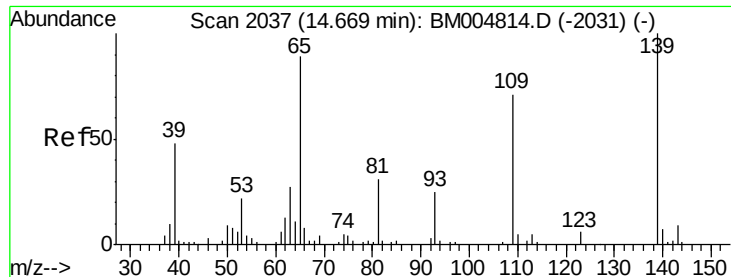
#50  
 Acenaphthene  
 Concen: 30.86 ng/ul  
 RT: 14.53 min Scan# 2013  
 Delta R.T. -0.00 min  
 Lab File: BM004821.D  
 Acq: 29 Mar 2016 15:11

Tgt Ion:153 Resp: 414524  
 Ion Ratio Lower Upper  
 153 100  
 152 47.6 38.3 57.5  
 154 89.0 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E  
 Ion 152.00 (151.70 to 152.70): E  
 Ion 154.00 (153.70 to 154.70): E





#53

4-Nitrophenol

Concen: 4.15 ng/ul

RT: 14.66 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BM004821.D

Acq: 29 Mar 2016 15:11

Instrument :

BNA\_M

ClientSampleId :

D9SG2MS

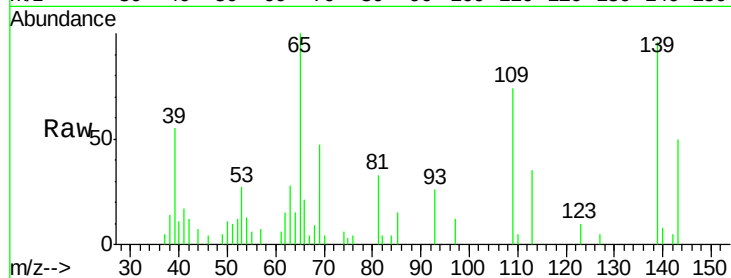
Tgt Ion:109 Resp: 9849

Ion Ratio Lower Upper

109 100

139 129.7 103.7 155.5

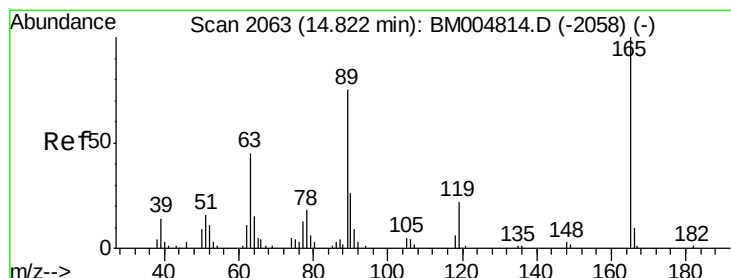
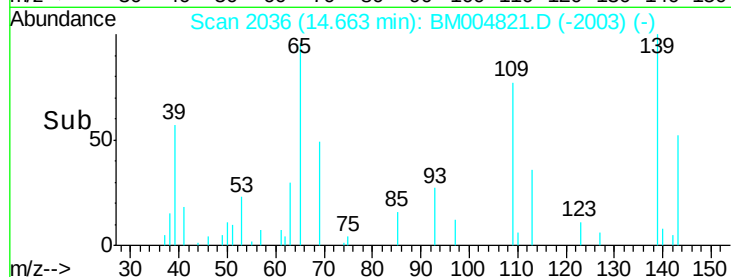
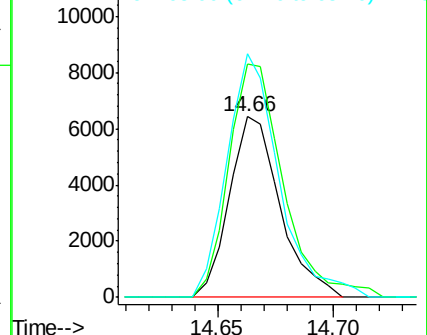
65 135.0 89.4 134.2#



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#55

2,4-Dinitrotoluene

Concen: 32.83 ng/ul

RT: 14.83 min Scan# 2064

Delta R.T. 0.01 min

Lab File: BM004821.D

Acq: 29 Mar 2016 15:11

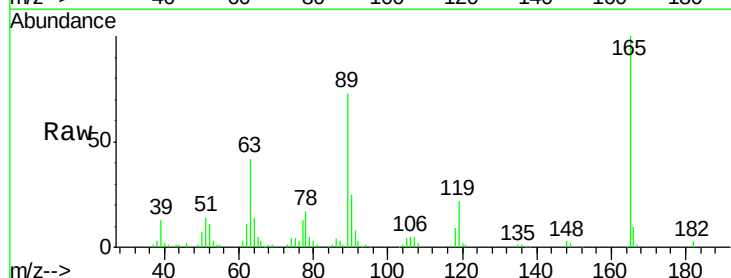
Tgt Ion:165 Resp: 135532

Ion Ratio Lower Upper

165 100

63 41.8 29.8 44.6

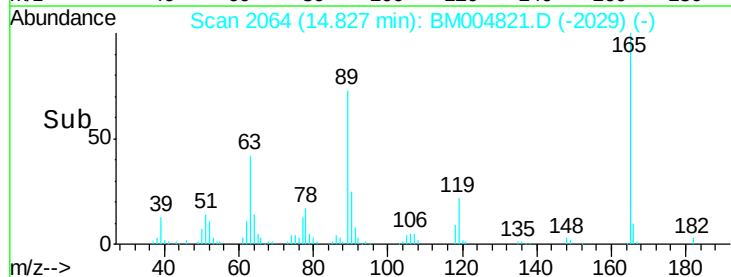
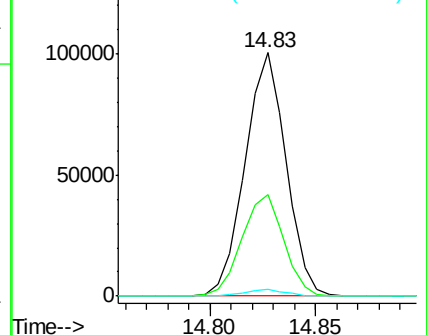
182 2.9 2.2 3.4

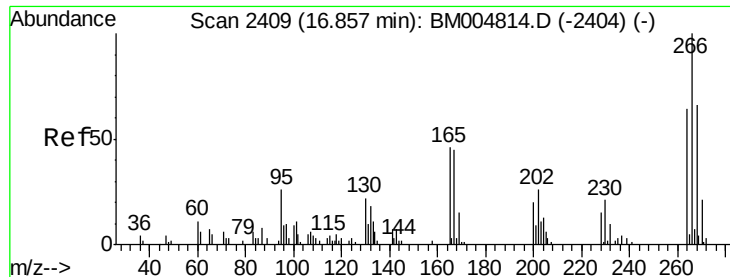


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E





#69

Pentachlorophenol

Concen: 27.79 ng/ul

RT: 16.86 min Scan# 2409

Delta R.T. -0.00 min

Lab File: BM004821.D

Acq: 29 Mar 2016 15:11

Instrument :

BNA\_M

ClientSampleId :

D9SG2MS

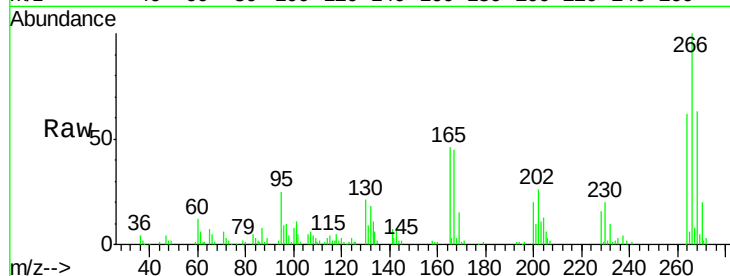
Tgt Ion:266 Resp: 91186

Ion Ratio Lower Upper

266 100

264 62.3 50.5 75.7

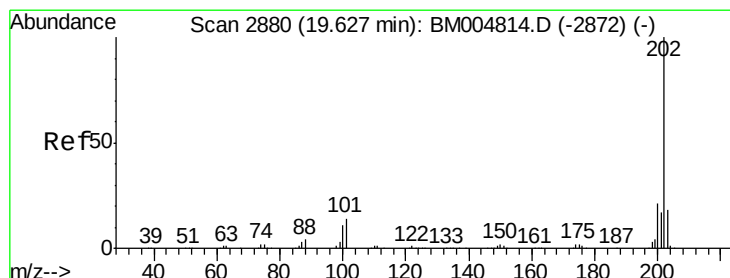
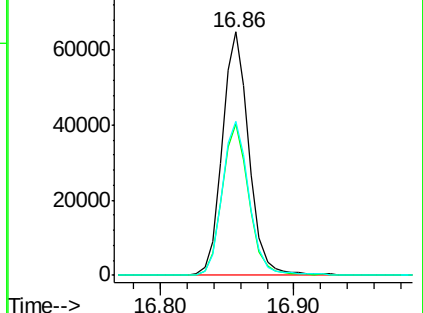
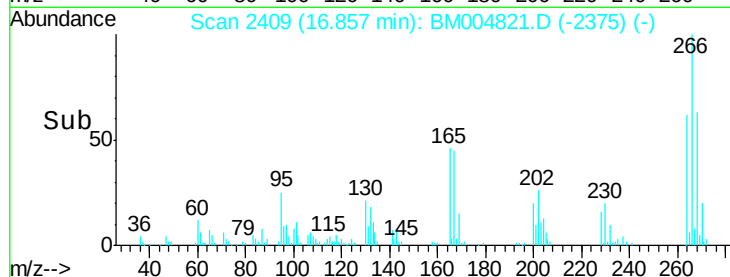
268 63.4 50.9 76.3



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#80

Pyrene

Concen: 32.94 ng/ul

RT: 19.63 min Scan# 2881

Delta R.T. 0.01 min

Lab File: BM004821.D

Acq: 29 Mar 2016 15:11

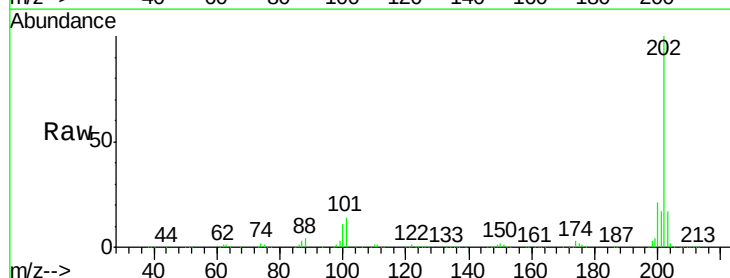
Tgt Ion:202 Resp: 970652

Ion Ratio Lower Upper

202 100

101 13.6 10.2 15.2

100 10.6 8.5 12.7



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

