

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM021516\  
 Data File : BM004277.D  
 Acq On : 16 Feb 2016 03:46  
 Operator : SJ/UM  
 Sample : H1416-20MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9QF3MSD

Quant Time: Feb 16 05:54:22 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM021216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Feb 16 02:45:44 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 31508    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 138587   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.31 | 164  | 72933    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.06 | 188  | 149362   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.27 | 240  | 156620   | 20.00 | ng/ul | 0.01     |
| 86) Perylene-d12          | 23.51 | 264  | 154957   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.11  | 96  | 924    | 1.48  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 22958  | 9.07  | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.98  | 67  | 44820  | 32.79 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 67397  | 30.03 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.38  | 113 | 42648  | 19.78 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5            | 8.81  | 128 | 37924  | 35.59 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.53  | 143 | 43220  | 36.28 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 68379  | 31.83 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 4100   | 1.60  | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.72 | 166 | 209648 | 34.54 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.00 | 160 | 259948 | 35.25 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.57 | 143 | 7856   | 8.00  | ng/ul | 0.03 |
| 58) Fluorene-d10               | 15.30 | 176 | 175093 | 34.23 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 25469  | 28.00 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.16 | 188 | 258349 | 35.38 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.47 | 212 | 274538 | 33.02 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.37 | 264 | 288256 | 34.86 | ng/ul | 0.02 |

## Target Compounds

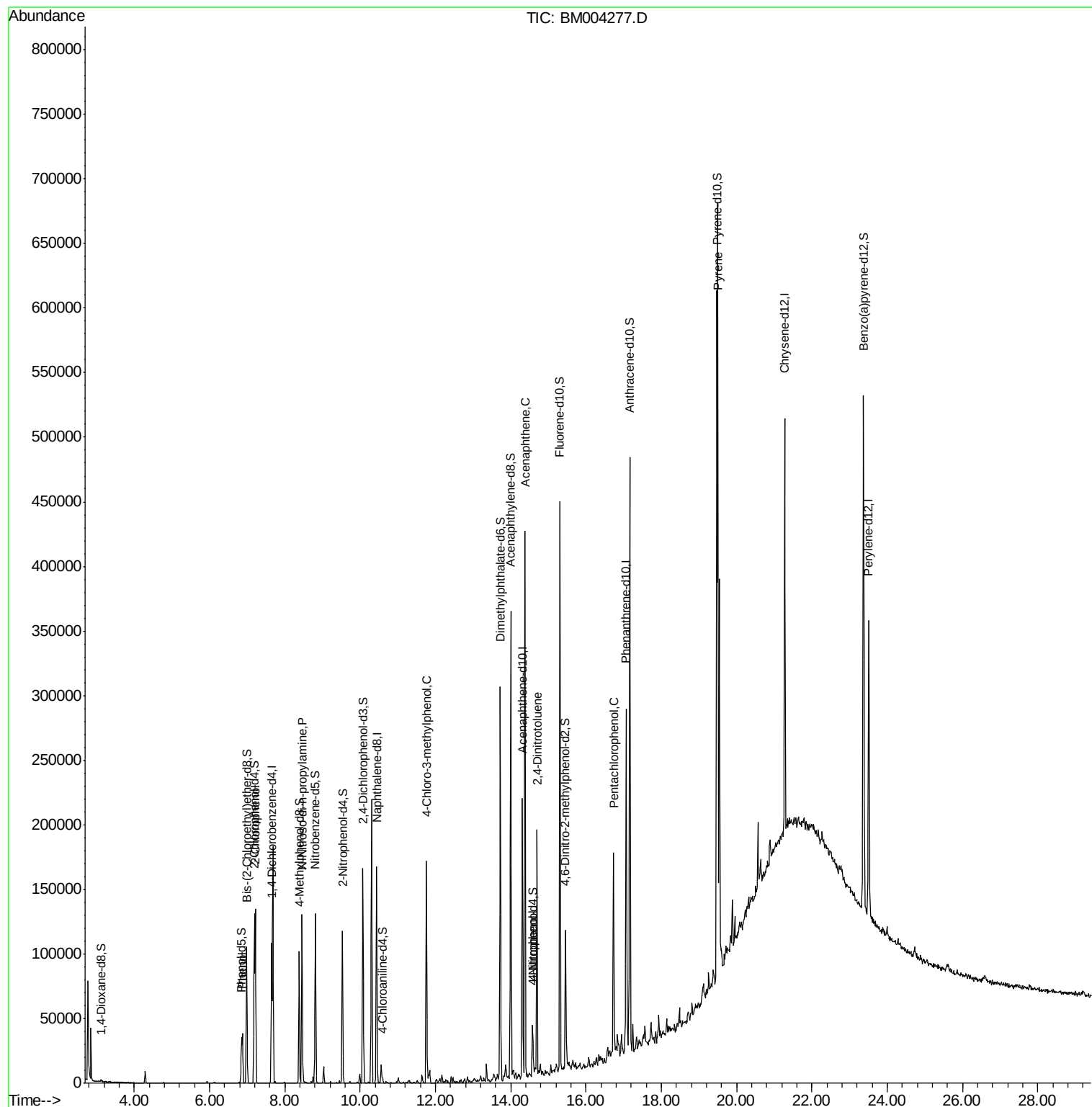
|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 6) Phenol                      | 6.87  | 94  | 24399  | 9.05  | ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.22  | 128 | 66431  | 28.47 | ng/ul | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.46  | 70  | 53452  | 32.26 | ng/ul | 96     |
| 33) 4-Chloro-3-methylphenol    | 11.76 | 107 | 66876  | 26.99 | ng/ul | 99     |
| 50) Acenaphthene               | 14.37 | 153 | 178524 | 32.72 | ng/ul | 98     |
| 53) 4-Nitrophenol              | 14.59 | 109 | 6015   | 7.66  | ng/ul | 98     |
| 55) 2,4-Dinitrotoluene         | 14.69 | 165 | 60118  | 33.44 | ng/ul | 96     |
| 69) Pentachlorophenol          | 16.73 | 266 | 28603  | 31.77 | ng/ul | 100    |
| 80) Pyrene                     | 19.50 | 202 | 347874 | 30.71 | ng/ul | 99     |

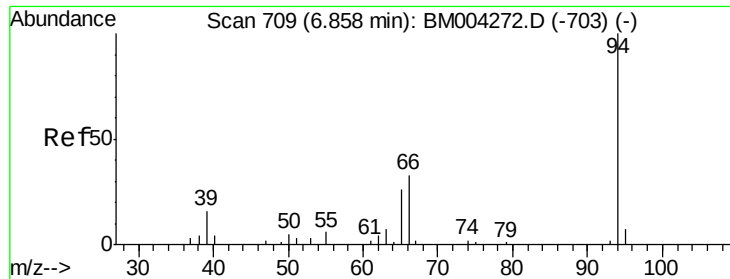
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Tue Feb 16 02:45:44 2016  
Response via : Initial Calibration





#6

Phenol

Concen: 9.05 ng/ul

RT: 6.87 min Scan# 711

Delta R.T. 0.01 min

Lab File: BM004277.D

Acq: 16 Feb 2016 03:46

Instrument :

BNA\_M

ClientSampleId :

D9QF3MSD

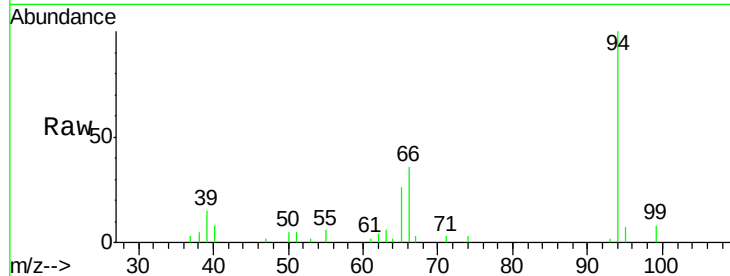
Tgt Ion: 94 Resp: 24399

Ion Ratio Lower Upper

94 100

65 26.3 21.0 31.6

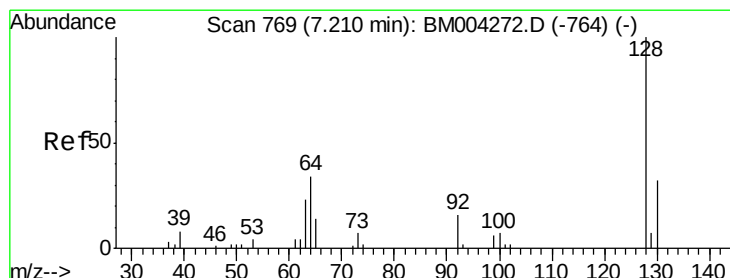
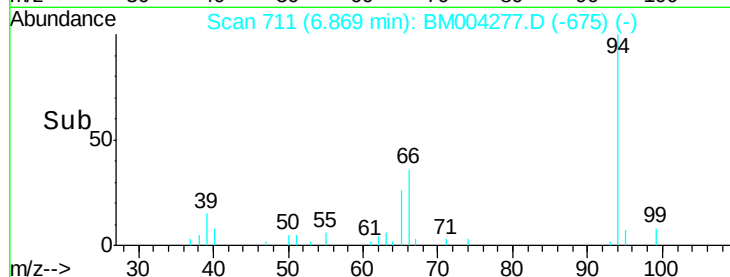
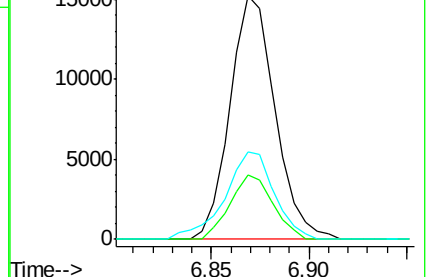
66 35.8 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM004277.D (-711) (-)

Ion 65.00 (64.70 to 65.70): BM004277.D (-711) (-)

Ion 66.00 (65.70 to 66.70): BM004277.D (-711) (-)



#10

2-Chlorophenol

Concen: 28.47 ng/ul

RT: 7.22 min Scan# 770

Delta R.T. 0.01 min

Lab File: BM004277.D

Acq: 16 Feb 2016 03:46

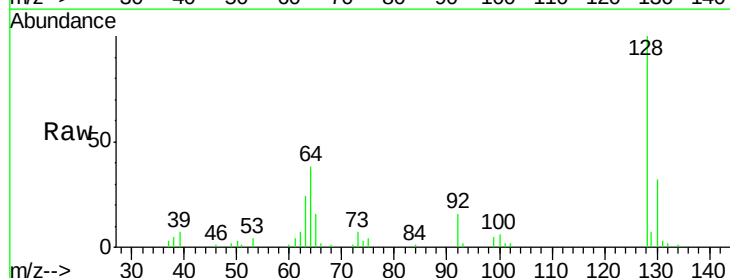
Tgt Ion: 128 Resp: 66431

Ion Ratio Lower Upper

128 100

64 38.0 31.9 47.9

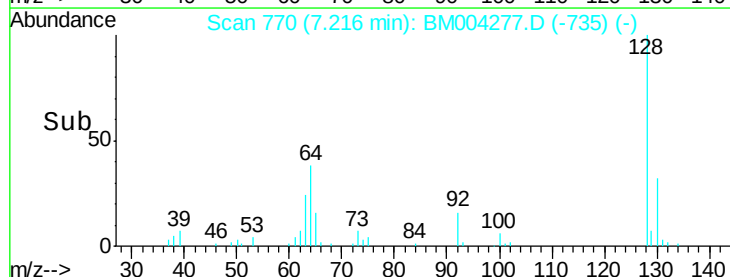
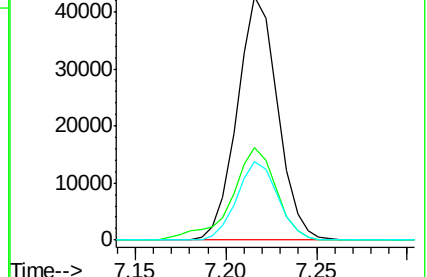
130 32.3 25.6 38.4

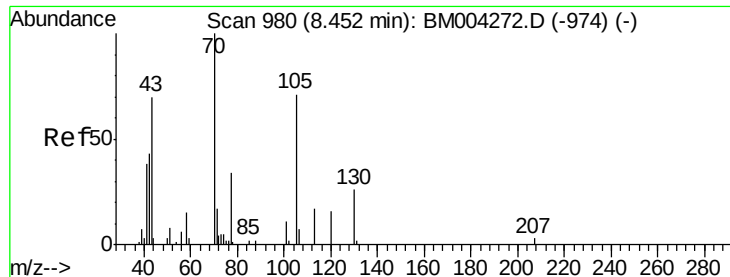


Abundance Ion 128.00 (127.70 to 128.70): BM004277.D (-770) (-)

Ion 64.00 (63.70 to 64.70): BM004277.D (-770) (-)

Ion 130.00 (129.70 to 130.70): BM004277.D (-770) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 32.26 ng/ul

RT: 8.46 min Scan# 981

Delta R.T. 0.01 min

Lab File: BM004277.D

Acq: 16 Feb 2016 03:46

Instrument :

BNA\_M

ClientSampleId :

D9QF3MSD

Tgt Ion: 70 Resp: 53452

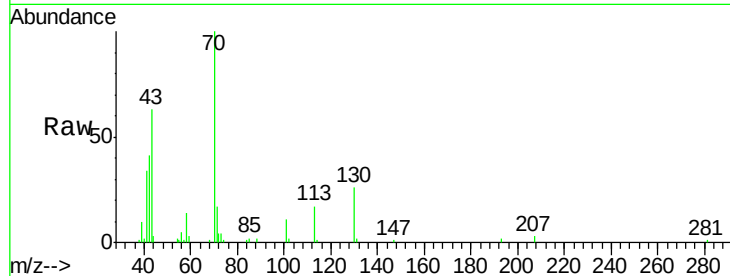
Ion Ratio Lower Upper

70 100

42 41.2 35.4 53.0

101 11.0 8.4 12.6

130 25.5 18.2 27.4



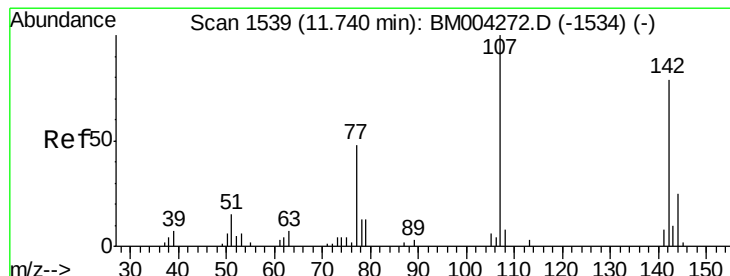
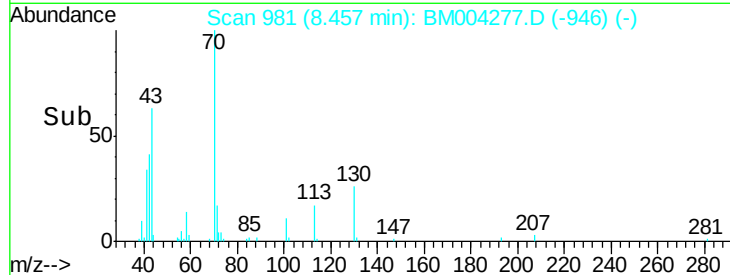
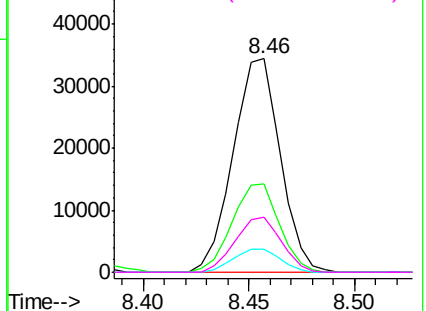
Abundance

Ion 70.00 (69.70 to 70.70): BM004272.D (-974) (-)

Ion 42.00 (41.70 to 42.70): BM004272.D (-974) (-)

Ion 101.00 (100.70 to 101.70): BM004272.D (-974) (-)

Ion 130.00 (129.70 to 130.70): BM004272.D (-974) (-)



#33

4-Chloro-3-methylphenol

Concen: 26.99 ng/ul

RT: 11.76 min Scan# 1542

Delta R.T. 0.02 min

Lab File: BM004277.D

Acq: 16 Feb 2016 03:46

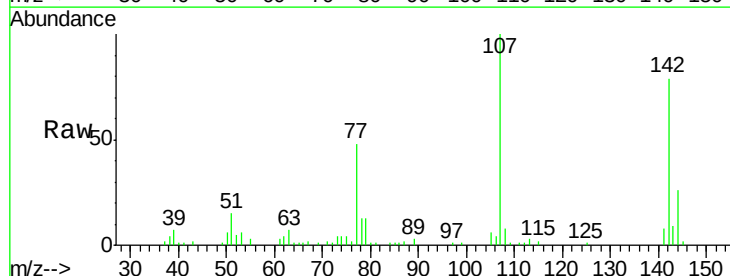
Tgt Ion: 107 Resp: 66876

Ion Ratio Lower Upper

107 100

144 26.2 20.4 30.6

142 78.9 62.5 93.7

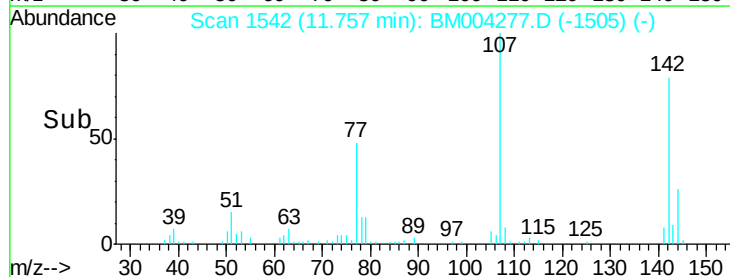
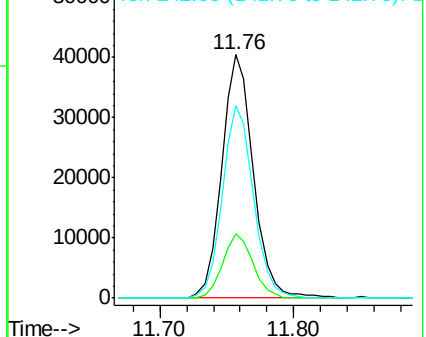


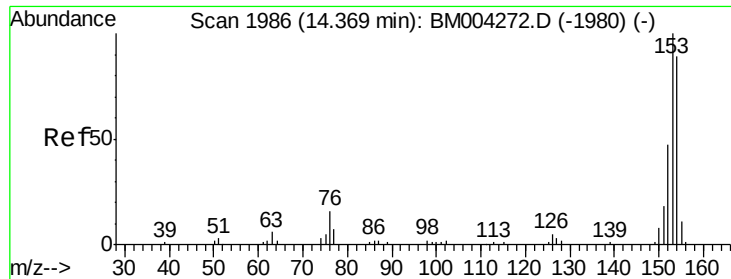
Abundance

Ion 107.00 (106.70 to 107.70): BM004272.D (-1534) (-)

Ion 144.00 (143.70 to 144.70): BM004272.D (-1534) (-)

Ion 142.00 (141.70 to 142.70): BM004272.D (-1534) (-)





#50

Acenaphthene

Concen: 32.72 ng/ul

RT: 14.37 min Scan# 1987

Delta R.T. 0.01 min

Lab File: BM004277.D

Acq: 16 Feb 2016 03:46

Instrument :

BNA\_M

ClientSampleId :

D9QF3MSD

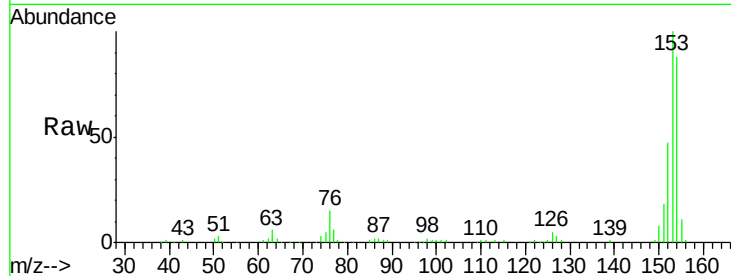
Tgt Ion:153 Resp: 178524

Ion Ratio Lower Upper

153 100

152 47.0 38.3 57.5

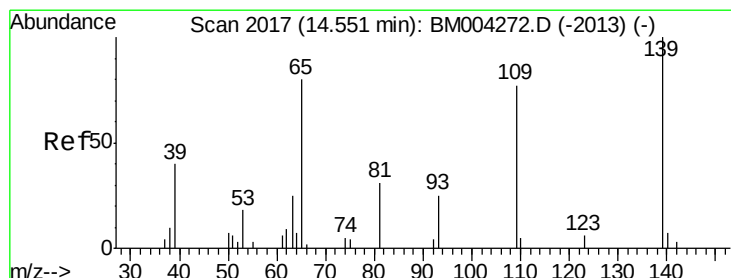
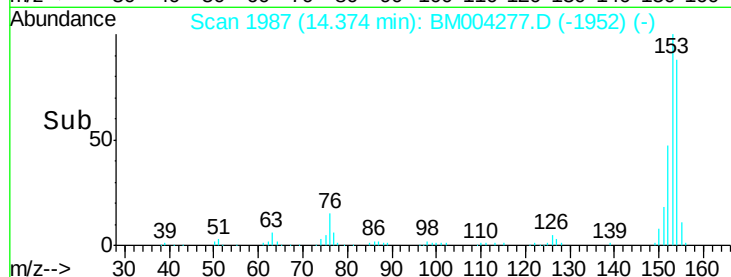
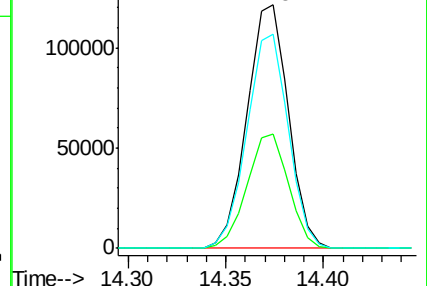
154 87.9 71.8 107.8



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: 7.66 ng/ul

RT: 14.59 min Scan# 2023

Delta R.T. 0.03 min

Lab File: BM004277.D

Acq: 16 Feb 2016 03:46

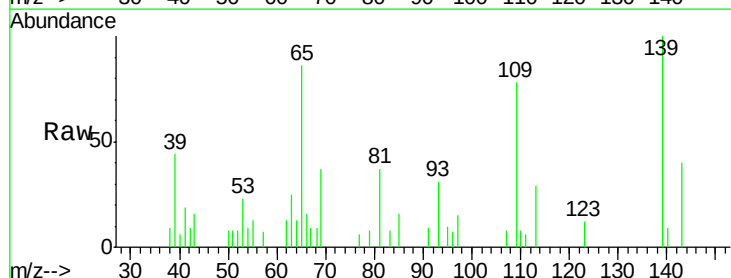
Tgt Ion:109 Resp: 6015

Ion Ratio Lower Upper

109 100

139 127.9 103.7 155.5

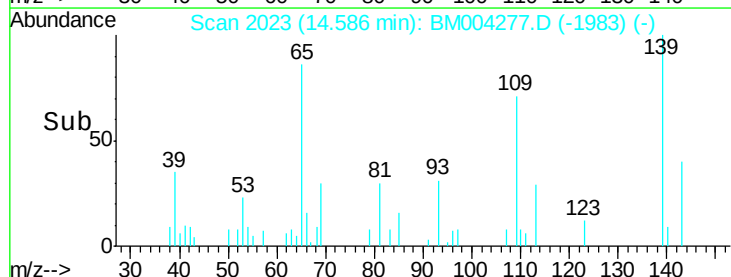
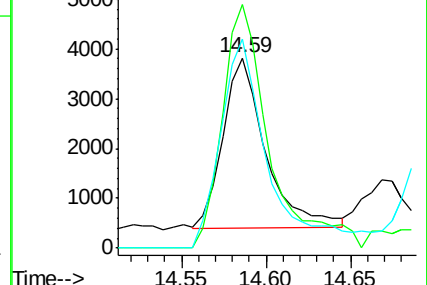
65 109.7 89.4 134.2

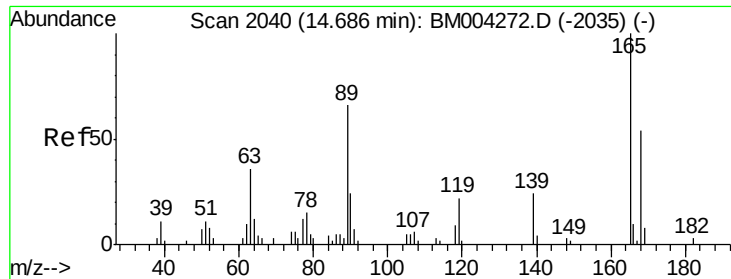


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): E

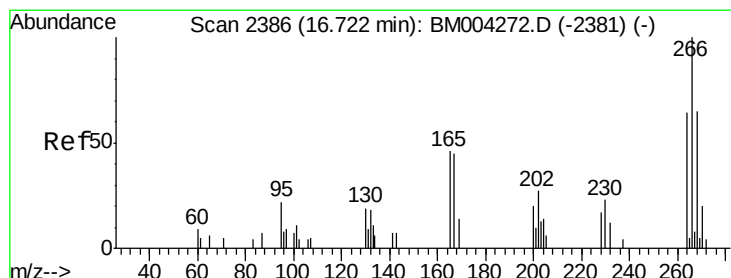
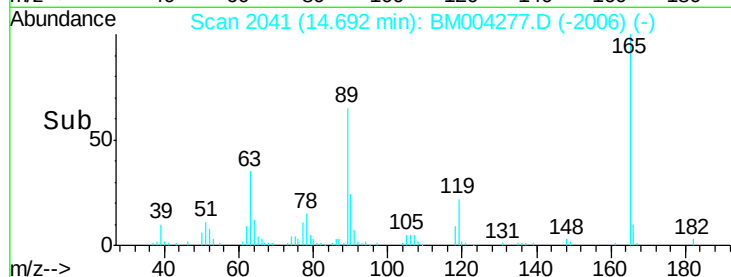
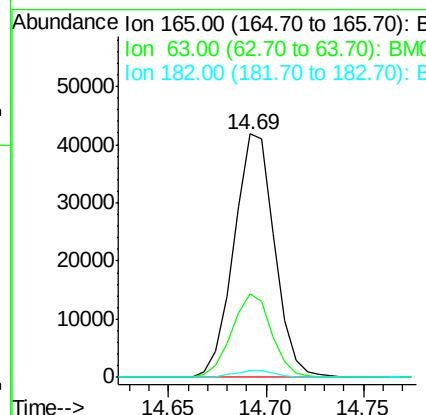
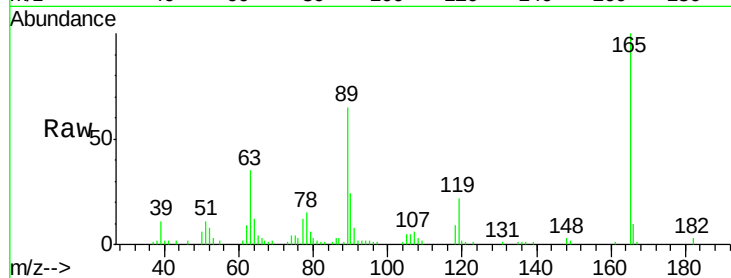




#55  
 2,4-Dinitrotoluene  
 Concen: 33.44 ng/ul  
 RT: 14.69 min Scan# 2041  
 Delta R.T. 0.01 min  
 Lab File: BM004277.D  
 Acq: 16 Feb 2016 03:46

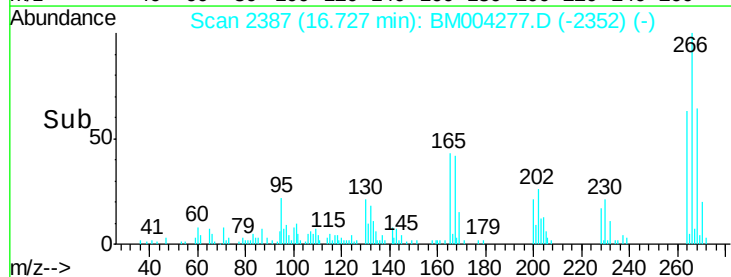
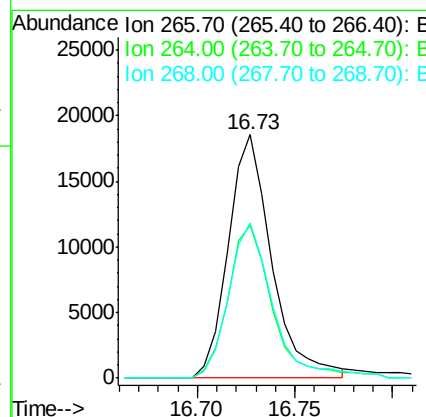
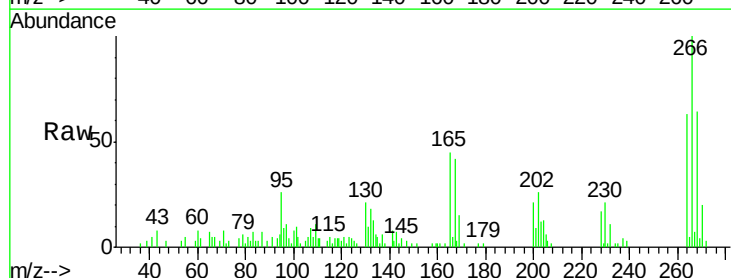
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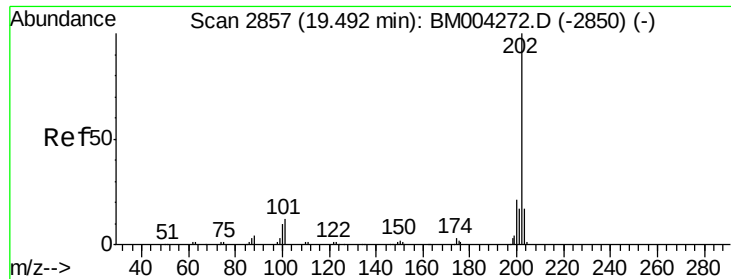
Tgt Ion:165 Resp: 60118  
 Ion Ratio Lower Upper  
 165 100  
 63 34.6 29.8 44.6  
 182 2.9 2.2 3.4



#69  
 Pentachlorophenol  
 Concen: 31.77 ng/ul  
 RT: 16.73 min Scan# 2387  
 Delta R.T. 0.01 min  
 Lab File: BM004277.D  
 Acq: 16 Feb 2016 03:46

Tgt Ion:266 Resp: 28603  
 Ion Ratio Lower Upper  
 266 100  
 264 62.6 50.5 75.7  
 268 63.7 50.9 76.3





#80

Pyrene

Concen: 30.71 ng/ul

RT: 19.50 min Scan# 2858

Delta R.T. 0.01 min

Lab File: BM004277.D

Acq: 16 Feb 2016 03:46

Instrument :

BNA\_M

ClientSampleId :

D9QF3MSD

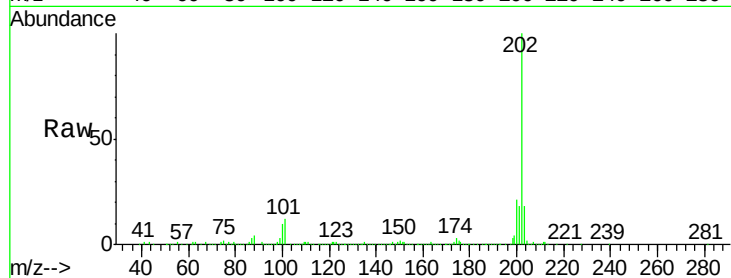
Tgt Ion:202 Resp: 347874

Ion Ratio Lower Upper

202 100

101 12.2 10.2 15.2

100 10.2 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

