

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM030316\  
 Data File : BM004532.D  
 Acq On : 03 Mar 2016 14:48  
 Operator : SJ/UM  
 Sample : H1564-14MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9R26MSD

Quant Time: Mar 04 04:02:24 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM030316.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 03 13:26:11 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 27413    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.37 | 136  | 132563   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.26 | 164  | 84376    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.01 | 188  | 193918   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 180123   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.44 | 264  | 137624   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.05  | 96  | 1724   | 3.38  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.79  | 99  | 41472  | 18.78 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 22330  | 20.06 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 38015  | 19.30 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 31880  | 16.38 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.76  | 128 | 19400  | 19.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.47  | 143 | 21930  | 19.34 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.02 | 165 | 38498  | 18.76 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.53 | 131 | 54640  | 21.65 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.67 | 166 | 146240 | 20.84 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.95 | 160 | 174180 | 20.52 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.50 | 143 | 20403  | 19.71 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.26 | 176 | 128820 | 21.16 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 20641  | 16.39 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.11 | 188 | 196033 | 20.66 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.42 | 212 | 218141 | 22.52 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.30 | 264 | 155586 | 21.25 | ng/ul | 0.00 |

## Target Compounds

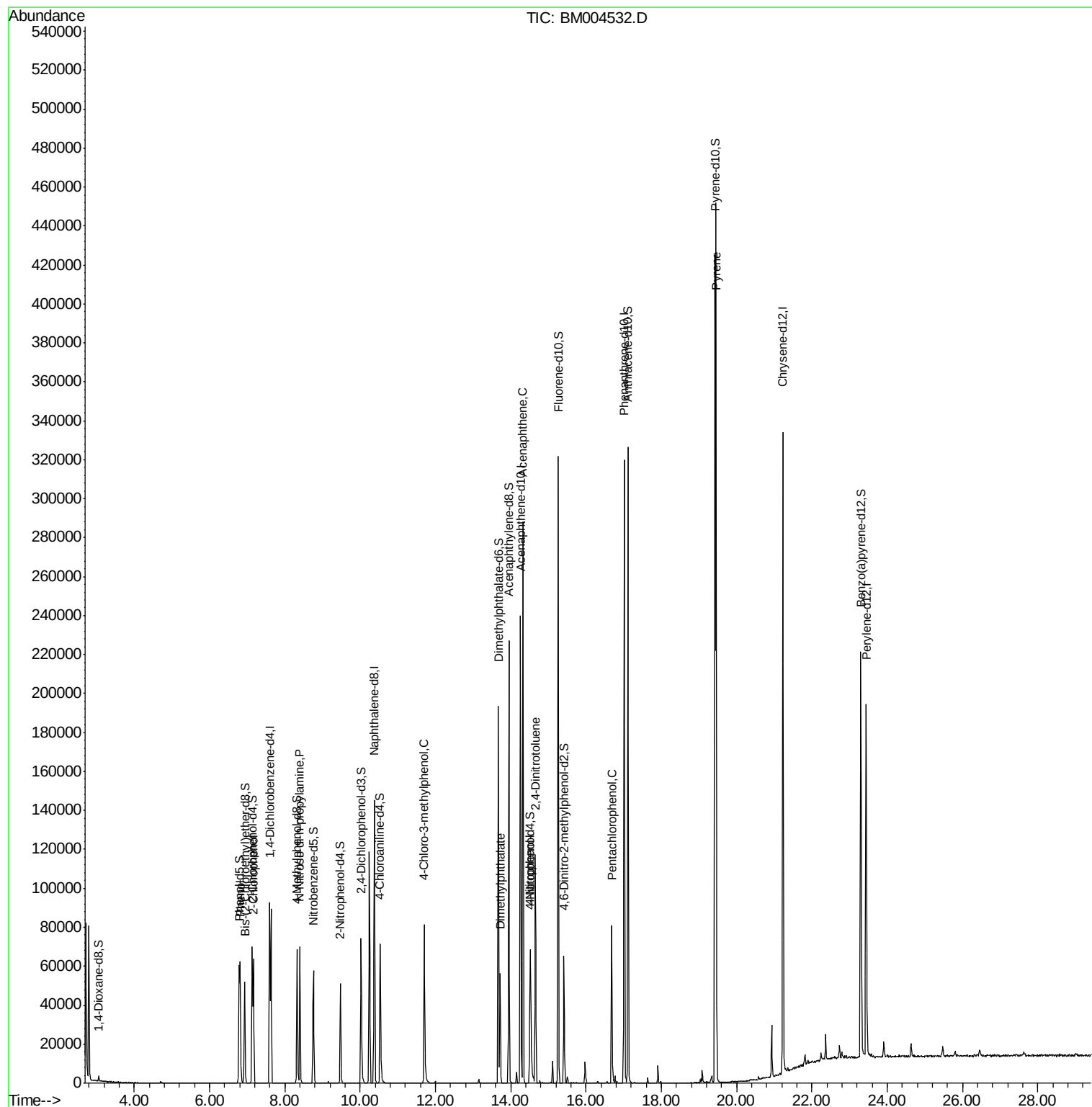
|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 6) Phenol                      | 6.81  | 94  | 41855  | 17.91 | ng/ul | 98     |
| 10) 2-Chlorophenol             | 7.16  | 128 | 37045  | 18.01 | ng/ul | 94     |
| 15) N-Nitroso-di-n-propylamine | 8.40  | 70  | 28640  | 19.95 | ng/ul | 94     |
| 33) 4-Chloro-3-methylphenol    | 11.70 | 107 | 43866  | 18.48 | ng/ul | 97     |
| 45) Dimethylphthalate          | 13.72 | 163 | 42483  | 5.76  | ng/ul | 100    |
| 50) Acenaphthene               | 14.32 | 153 | 122696 | 19.69 | ng/ul | 99     |
| 53) 4-Nitrophenol              | 14.52 | 109 | 13714  | 19.28 | ng/ul | 90     |
| 55) 2,4-Dinitrotoluene         | 14.65 | 165 | 43970  | 20.34 | ng/ul | 91     |
| 69) Pentachlorophenol          | 16.68 | 266 | 18962  | 18.46 | ng/ul | 98     |
| 80) Pyrene                     | 19.45 | 202 | 277799 | 21.25 | ng/ul | 99     |

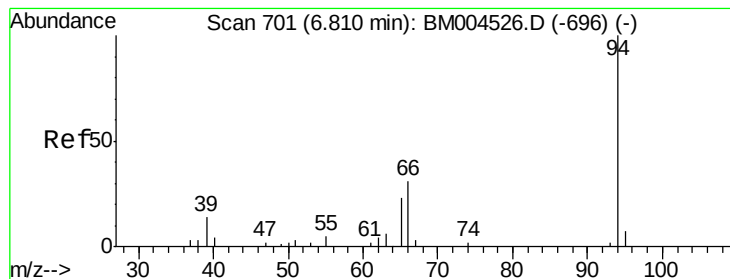
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 17.91 ng/ul

RT: 6.81 min Scan# 701

Delta R.T. 0.00 min

Lab File: BM004532.D

Acq: 03 Mar 2016 14:48

Instrument :

BNA\_M

ClientSampleId :

D9R26MSD

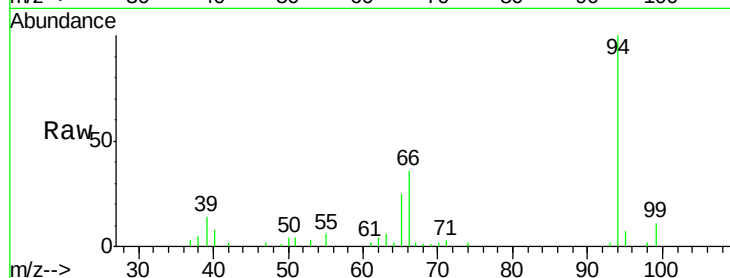
Tgt Ion: 94 Resp: 41855

Ion Ratio Lower Upper

94 100

65 24.8 21.0 31.6

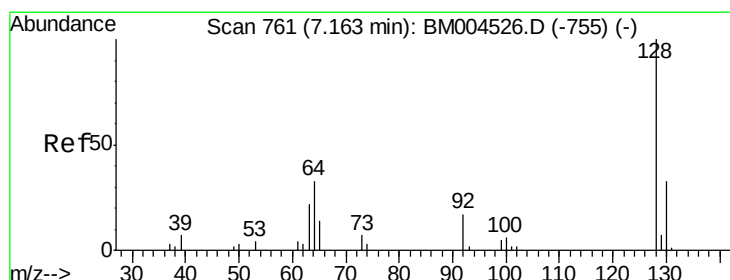
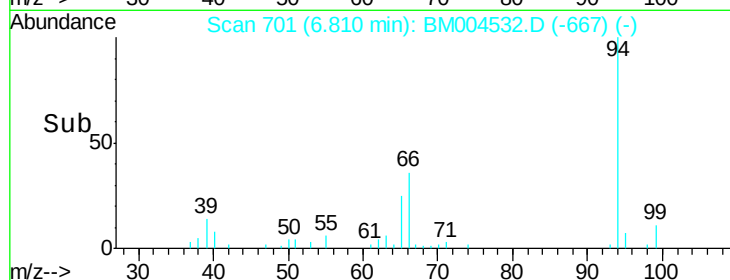
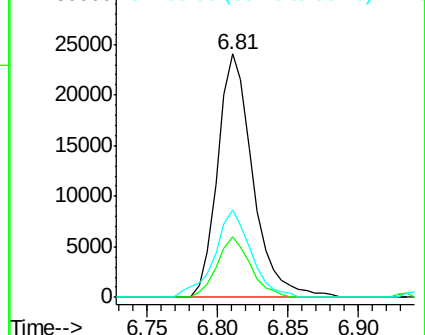
66 35.8 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM004532.D (-667) (-)

Ion 65.00 (64.70 to 65.70): BM004532.D (-667) (-)

Ion 66.00 (65.70 to 66.70): BM004532.D (-667) (-)



#10

2-Chlorophenol

Concen: 18.01 ng/ul

RT: 7.16 min Scan# 761

Delta R.T. 0.00 min

Lab File: BM004532.D

Acq: 03 Mar 2016 14:48

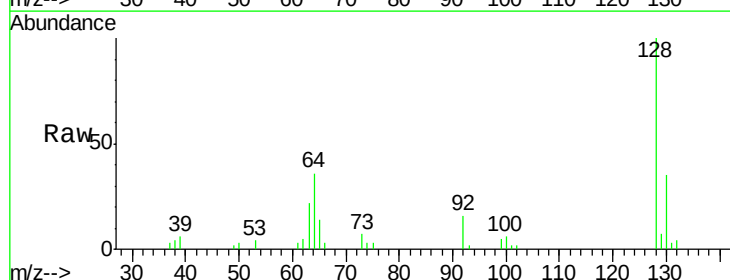
Tgt Ion: 128 Resp: 37045

Ion Ratio Lower Upper

128 100

64 35.9 31.9 47.9

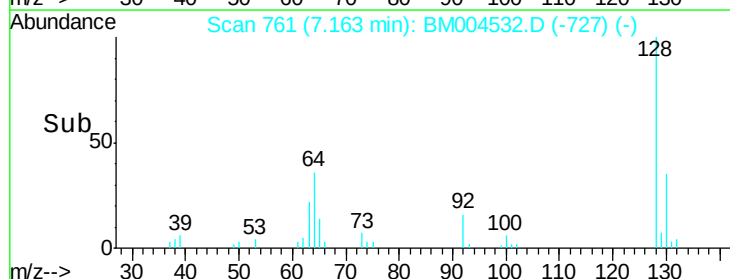
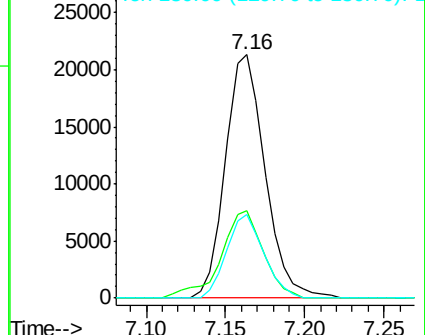
130 34.5 25.6 38.4

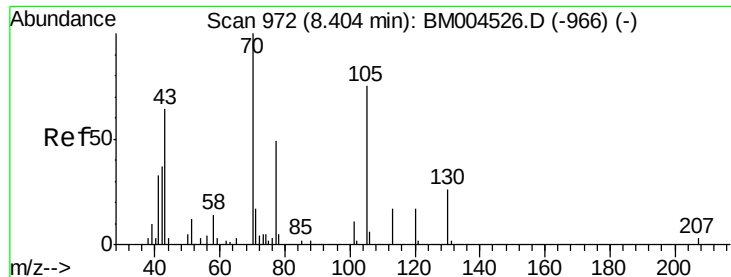


Abundance Ion 128.00 (127.70 to 128.70): BM004532.D (-727) (-)

Ion 64.00 (63.70 to 64.70): BM004532.D (-727) (-)

Ion 130.00 (129.70 to 130.70): BM004532.D (-727) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 19.95 ng/ul

RT: 8.40 min Scan# 971

Delta R.T. -0.01 min

Lab File: BM004532.D

Acq: 03 Mar 2016 14:48

Instrument :

BNA\_M

ClientSampleId :

D9R26MSD

Tgt Ion: 70 Resp: 28640

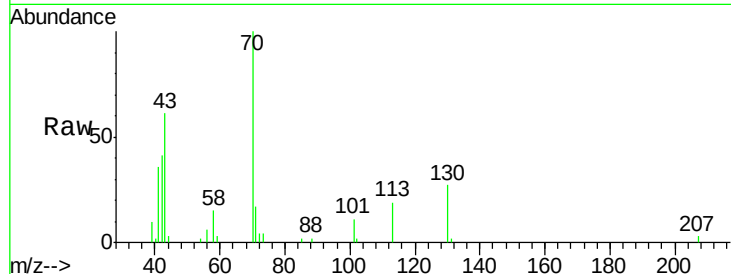
Ion Ratio Lower Upper

70 100

42 40.7 35.4 53.0

101 11.0 8.4 12.6

130 26.7 18.2 27.4

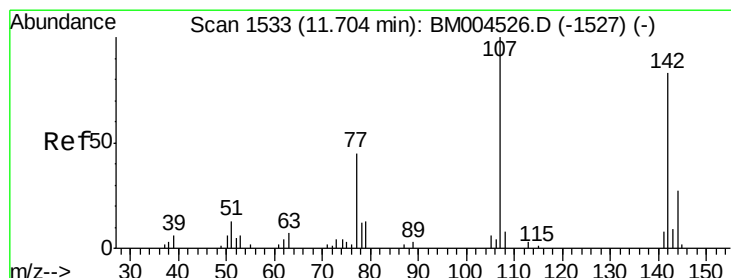
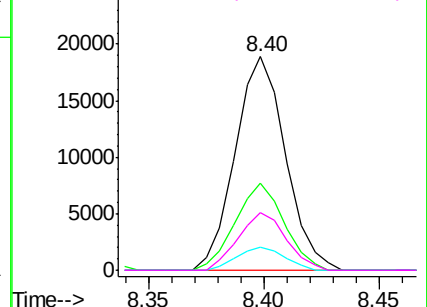
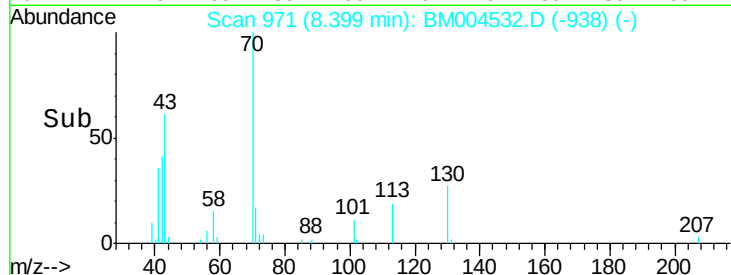


Abundance Ion 70.00 (69.70 to 70.70): BM004532.D (-938) (-)

Ion 42.00 (41.70 to 42.70): BM004532.D (-938) (-)

Ion 101.00 (100.70 to 101.70): BM004532.D (-938) (-)

Ion 130.00 (129.70 to 130.70): BM004532.D (-938) (-)



#33

4-Chloro-3-methylphenol

Concen: 18.48 ng/ul

RT: 11.70 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BM004532.D

Acq: 03 Mar 2016 14:48

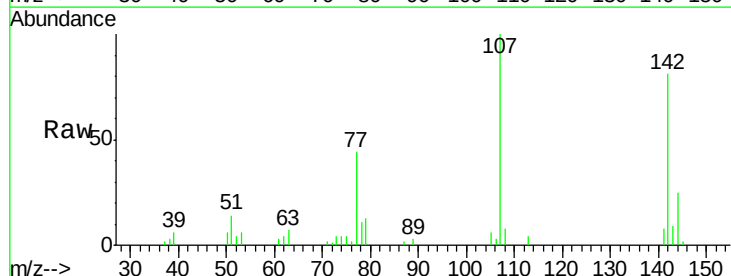
Tgt Ion: 107 Resp: 43866

Ion Ratio Lower Upper

107 100

144 25.1 20.4 30.6

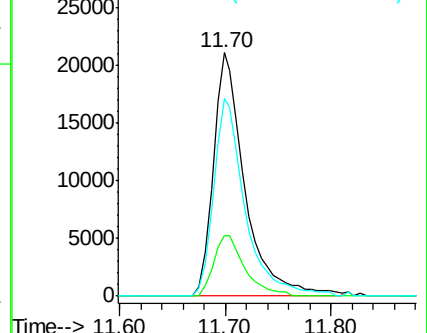
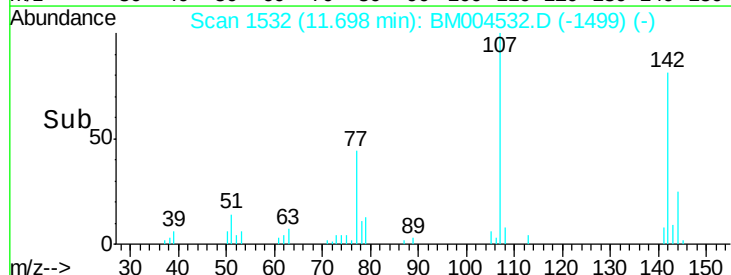
142 81.4 62.5 93.7

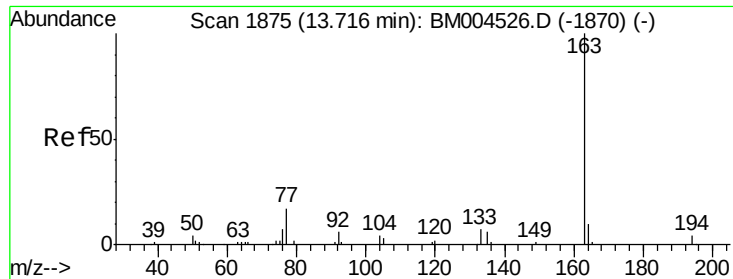


Abundance Ion 107.00 (106.70 to 107.70): BM004532.D (-1499) (-)

Ion 144.00 (143.70 to 144.70): BM004532.D (-1499) (-)

Ion 142.00 (141.70 to 142.70): BM004532.D (-1499) (-)

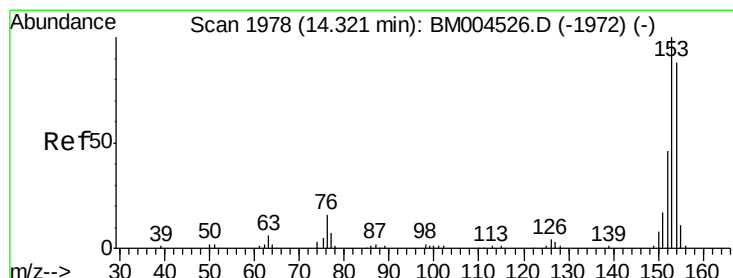
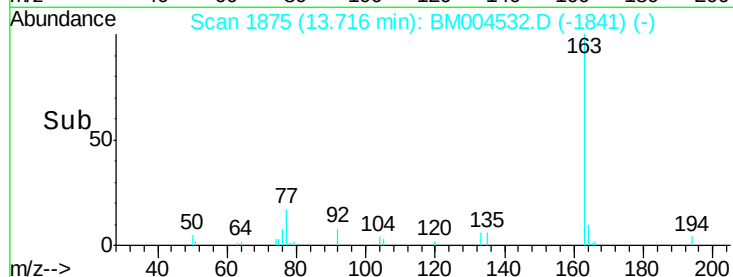
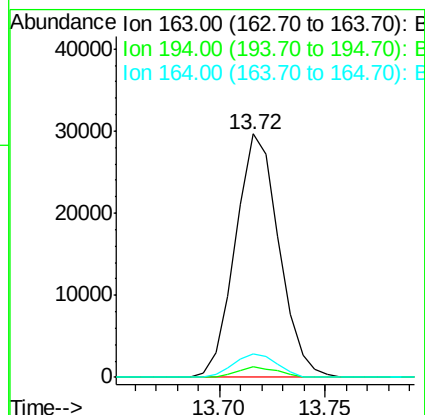
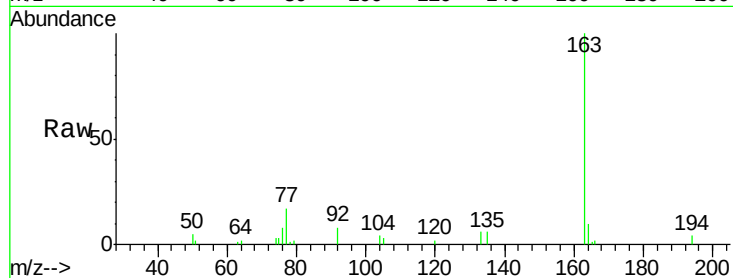




#45  
Dimethylphthalate  
Concen: 5.76 ng/ul  
RT: 13.72 min Scan# 1875  
Delta R.T. 0.00 min  
Lab File: BM004532.D  
Acq: 03 Mar 2016 14:48

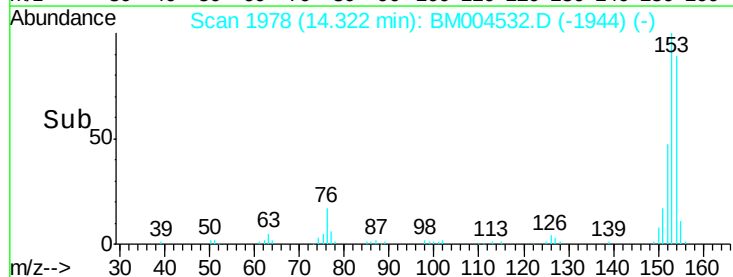
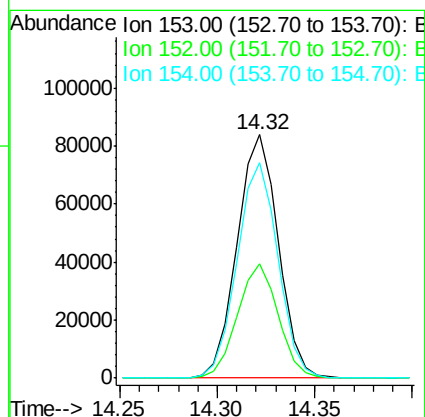
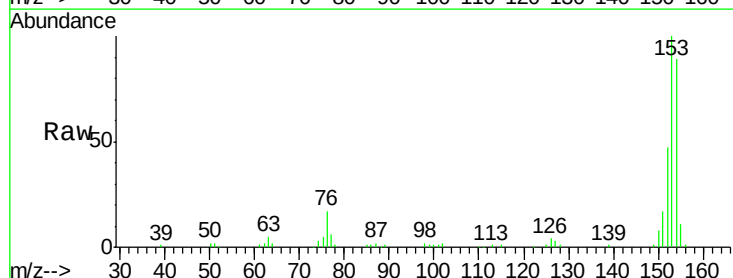
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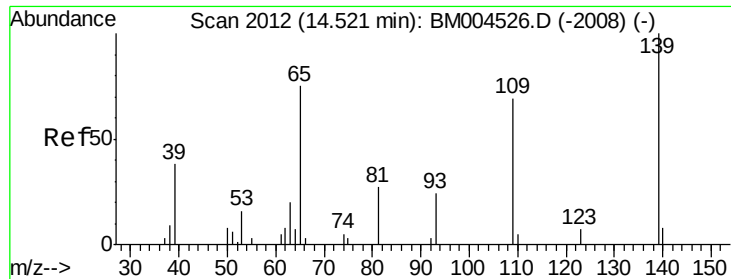
Tgt Ion:163 Resp: 42483  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.2 4.8  
164 9.9 7.8 11.8



#50  
Acenaphthene  
Concen: 19.69 ng/ul  
RT: 14.32 min Scan# 1978  
Delta R.T. 0.00 min  
Lab File: BM004532.D  
Acq: 03 Mar 2016 14:48

Tgt Ion:153 Resp: 122696  
Ion Ratio Lower Upper  
153 100  
152 47.0 38.3 57.5  
154 88.8 71.8 107.8

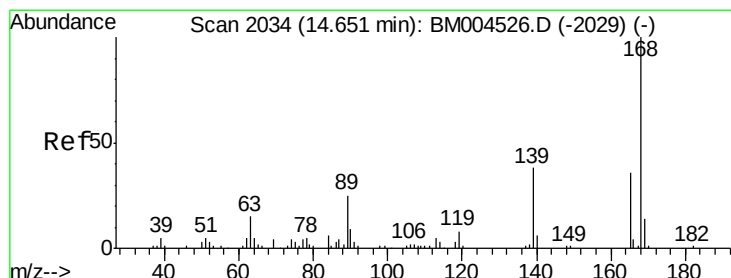
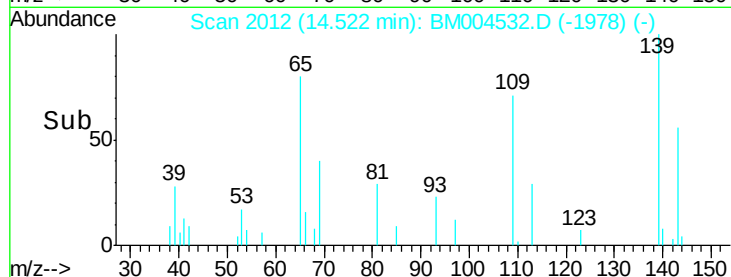
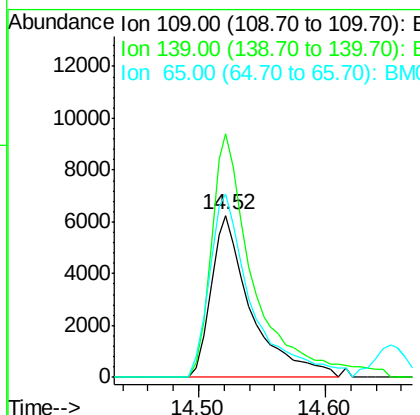
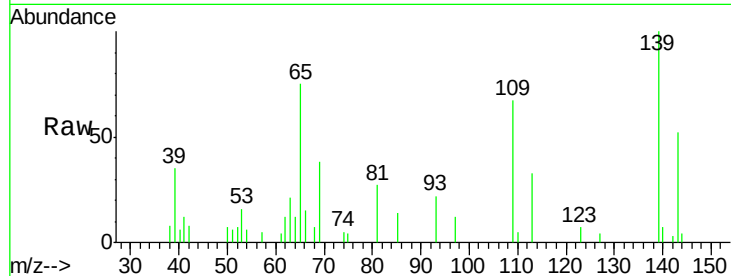




#53  
4-Nitrophenol  
Concen: 19.28 ng/ul  
RT: 14.52 min Scan# 2012  
Delta R.T. 0.00 min  
Lab File: BM004532.D  
Acq: 03 Mar 2016 14:48

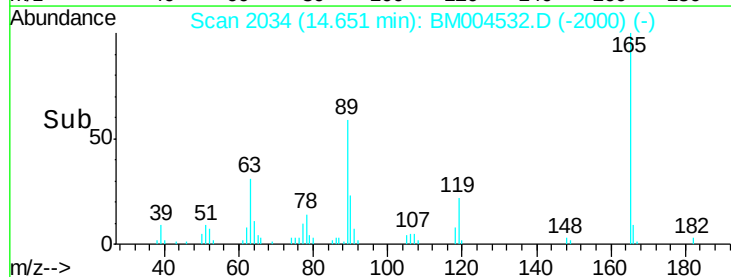
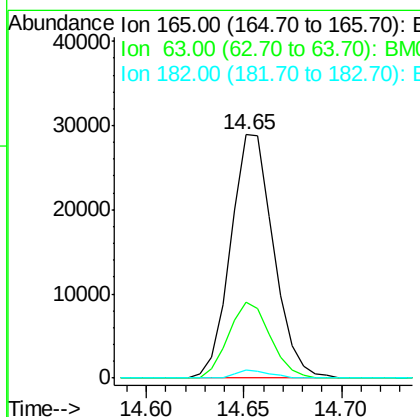
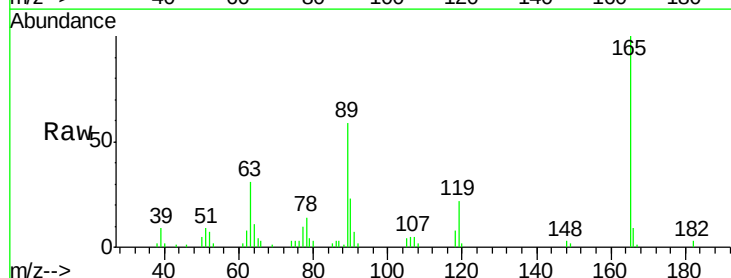
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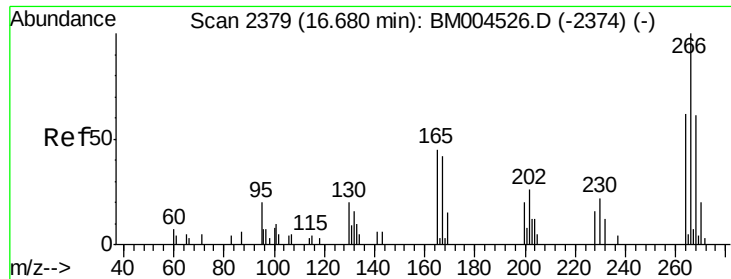
Tgt Ion:109 Resp: 13714  
Ion Ratio Lower Upper  
109 100  
139 150.2 103.7 155.5  
65 113.4 89.4 134.2



#55  
2,4-Dinitrotoluene  
Concen: 20.34 ng/ul  
RT: 14.65 min Scan# 2034  
Delta R.T. 0.00 min  
Lab File: BM004532.D  
Acq: 03 Mar 2016 14:48

Tgt Ion:165 Resp: 43970  
Ion Ratio Lower Upper  
165 100  
63 31.4 29.8 44.6  
182 3.3 2.2 3.4

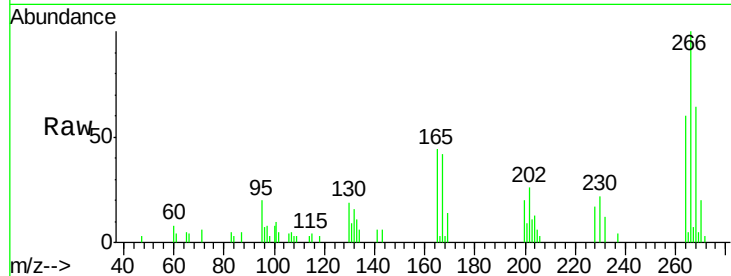




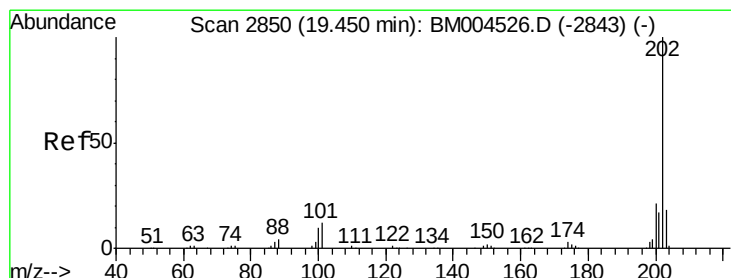
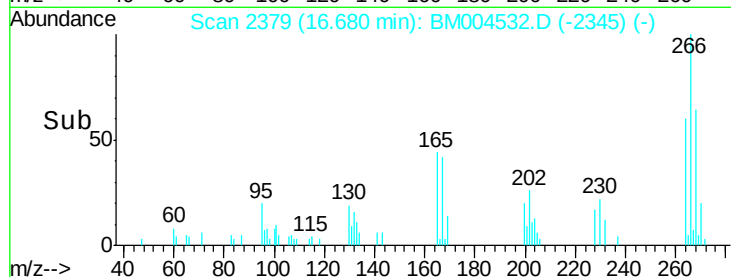
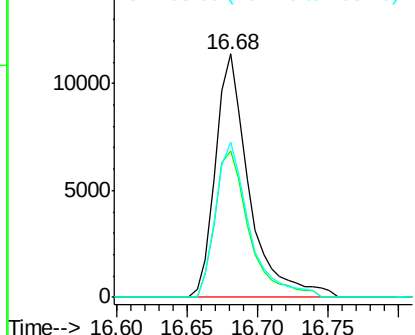
#69  
 Pentachlorophenol  
 Concen: 18.46 ng/ul  
 RT: 16.68 min Scan# 2379  
 Delta R.T. 0.00 min  
 Lab File: BM004532.D  
 Acq: 03 Mar 2016 14:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Tgt Ion: 266 Resp: 18962  
 Ion Ratio Lower Upper  
 266 100  
 264 60.4 50.5 75.7  
 268 63.9 50.9 76.3

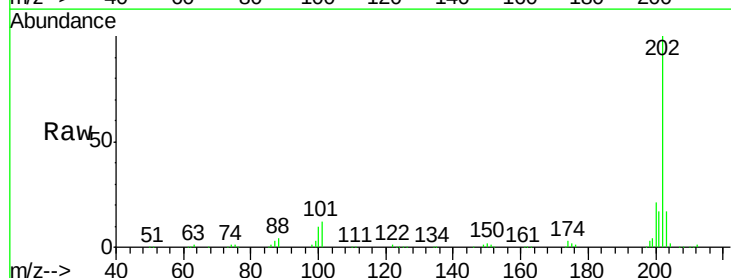


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E



#80  
 Pyrene  
 Concen: 21.25 ng/ul  
 RT: 19.45 min Scan# 2850  
 Delta R.T. 0.00 min  
 Lab File: BM004532.D  
 Acq: 03 Mar 2016 14:48

Tgt Ion: 202 Resp: 277799  
 Ion Ratio Lower Upper  
 202 100  
 101 12.5 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

