

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051916\  
 Data File : BM005516.D  
 Acq On : 20 May 2016 02:09  
 Operator : UM/SJ  
 Sample : H2890-12MS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9WT7MS

Quant Time: May 20 04:19:07 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM051816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 20 01:00:58 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 178118   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.63 | 136  | 920483   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.47 | 164  | 630349   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.21 | 188  | 1574331  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.39 | 240  | 2019367  | 20.00 | ng/ul | 0.01     |
| 83) Perylene-d12          | 23.69 | 264  | 2199823  | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.32  | 96  | 5357    | 1.16  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.00  | 99  | 228284  | 13.34 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.17  | 67  | 115189  | 12.29 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.37  | 132 | 179064  | 13.62 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.54  | 113 | 200821  | 13.78 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.99  | 128 | 90571   | 13.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.71  | 143 | 105661  | 14.62 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.25 | 165 | 220505  | 15.35 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.76 | 131 | 63059   | 3.82  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.87 | 166 | 761567  | 14.70 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.16 | 160 | 981063  | 16.04 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.66 | 143 | 135812  | 12.77 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.46 | 176 | 763375  | 16.69 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.57 | 200 | 70530   | 8.50  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.30 | 188 | 1259015 | 17.39 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.60 | 212 | 1405203 | 17.31 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.54 | 264 | 1704871 | 17.34 | ng/ul | 0.02 |

## Target Compounds

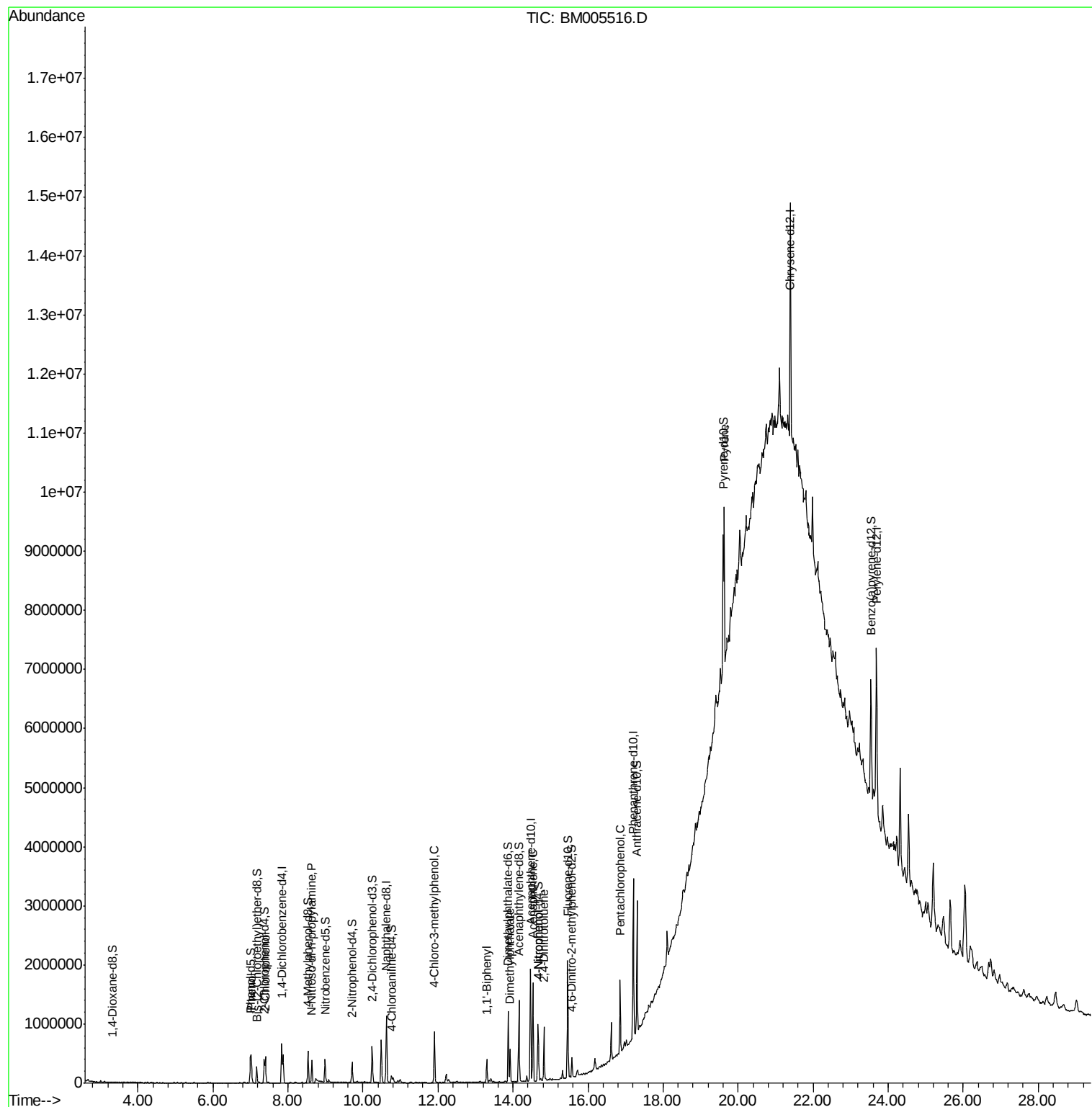
|                                |       |     |         |       |        | Qvalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 6) Phenol                      | 7.03  | 94  | 250701  | 13.94 | ng/ul  | 96     |
| 10) 2-Chlorophenol             | 7.40  | 128 | 187202  | 13.85 | ng/ul  | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.64  | 70  | 137623  | 11.09 | ng/ul  | 96     |
| 33) 4-Chloro-3-methylphenol    | 11.90 | 107 | 287368  | 16.03 | ng/ul  | 97     |
| 40) 1,1'-Biphenyl              | 13.30 | 154 | 198917  | 3.94  | ng/ul  | 97     |
| 44) Dimethylphthalate          | 13.92 | 163 | 340064  | 6.44  | ng/ul  | 100    |
| 49) Acenaphthene               | 14.53 | 153 | 692471  | 16.00 | ng/ul  | 99     |
| 52) 4-Nitrophenol              | 14.67 | 109 | 140427  | 14.76 | ng/ul  | 81     |
| 54) 2,4-Dinitrotoluene         | 14.83 | 165 | 247285  | 16.02 | ng/ul  | 98     |
| 68) Pentachlorophenol          | 16.86 | 266 | 214066  | 17.95 | ng/ul  | 98     |
| 77) Pyrene                     | 19.63 | 202 | 1862426 | 17.21 | ng/ul# | 91     |

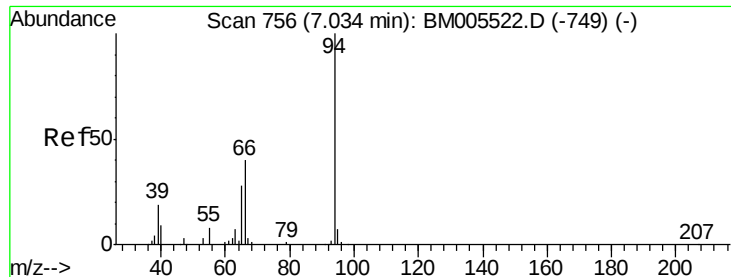
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Fri May 20 01:00:58 2016  
Response via : Initial Calibration





#6

Phenol

Concen: 13.94 ng/ul

RT: 7.03 min Scan# 755

Delta R.T. 0.01 min

Lab File: BM005516.D

Acq: 20 May 2016 02:09

Instrument :

BNA\_M

ClientSampleId :

D9WT7MS

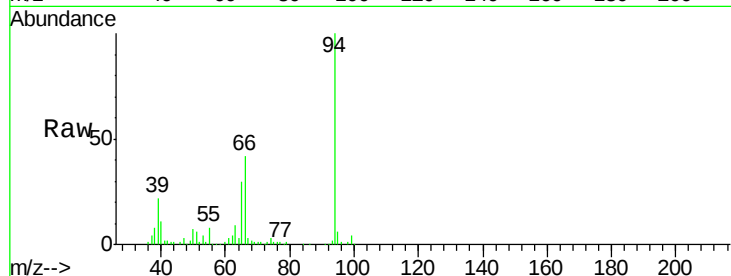
Tgt Ion: 94 Resp: 250701

Ion Ratio Lower Upper

94 100

65 30.0 22.7 34.1

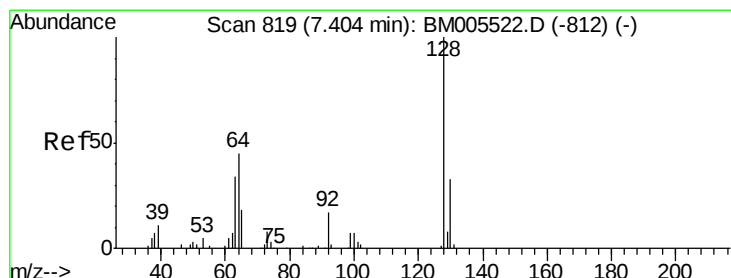
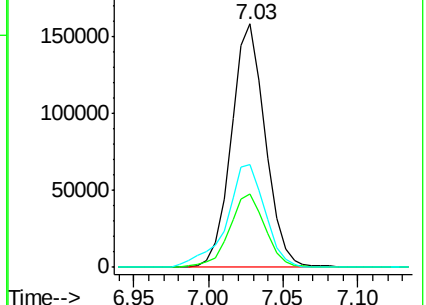
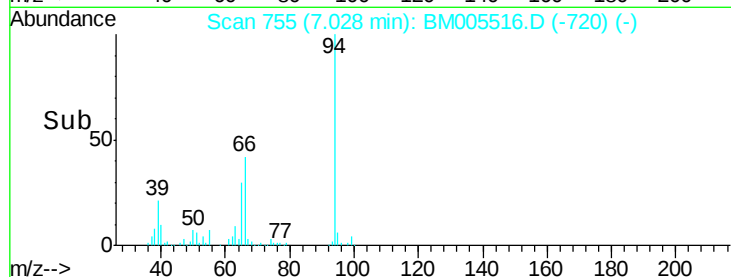
66 42.3 31.7 47.5



Abundance Ion 94.00 (93.70 to 94.70): BM005516.D (-720) (-)

Ion 65.00 (64.70 to 65.70): BM005516.D (-720) (-)

Ion 66.00 (65.70 to 66.70): BM005516.D (-720) (-)



#10

2-Chlorophenol

Concen: 13.85 ng/ul

RT: 7.40 min Scan# 818

Delta R.T. 0.00 min

Lab File: BM005516.D

Acq: 20 May 2016 02:09

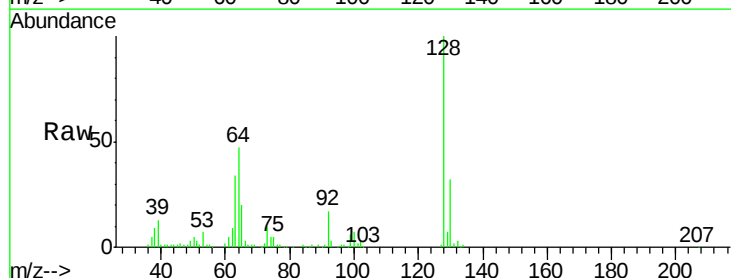
Tgt Ion: 128 Resp: 187202

Ion Ratio Lower Upper

128 100

64 46.5 37.8 56.8

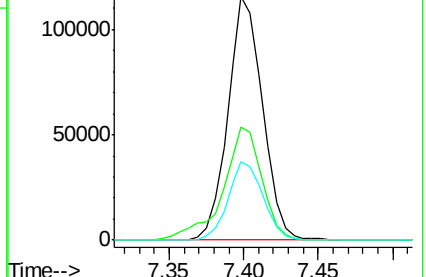
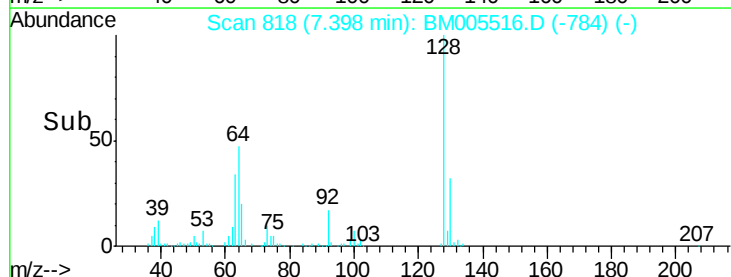
130 32.1 24.9 37.3

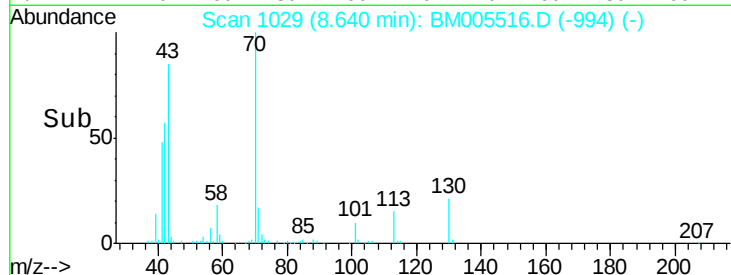
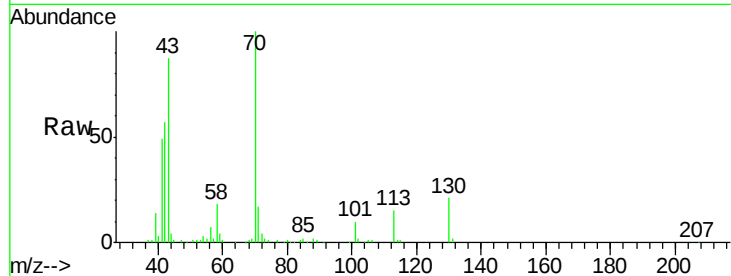
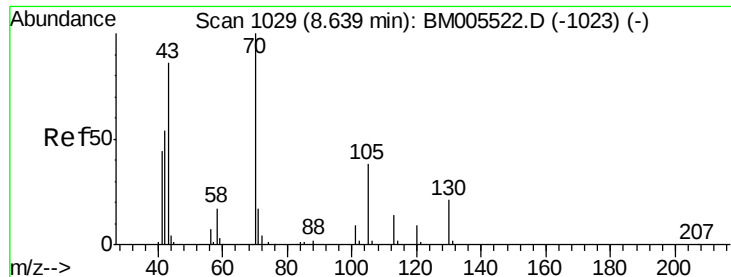


Abundance Ion 128.00 (127.70 to 128.70): BM005516.D (-784) (-)

Ion 64.00 (63.70 to 64.70): BM005516.D (-784) (-)

Ion 130.00 (129.70 to 130.70): BM005516.D (-784) (-)

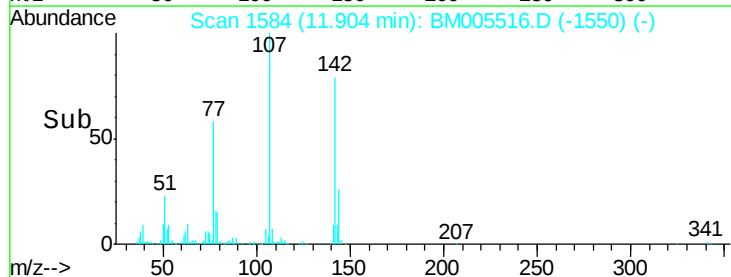
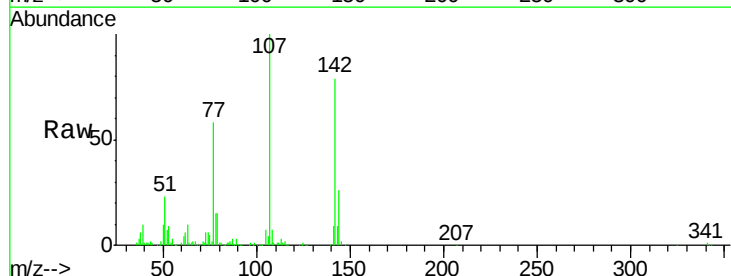
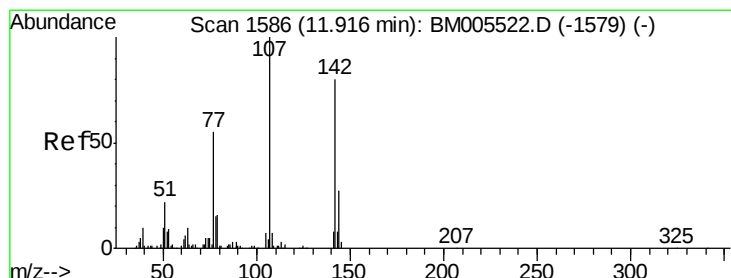
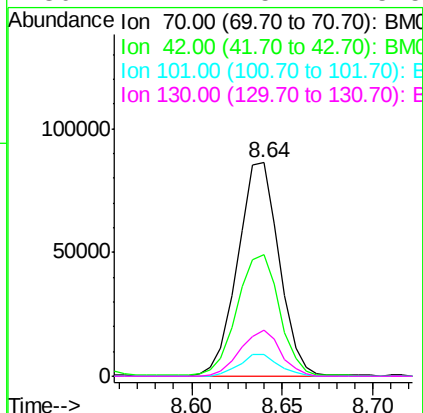




#15  
N-Nitroso-di-n-propylamine  
Concen: 11.09 ng/ul  
RT: 8.64 min Scan# 1029  
Delta R.T. 0.01 min  
Lab File: BM005516.D  
Acq: 20 May 2016 02:09

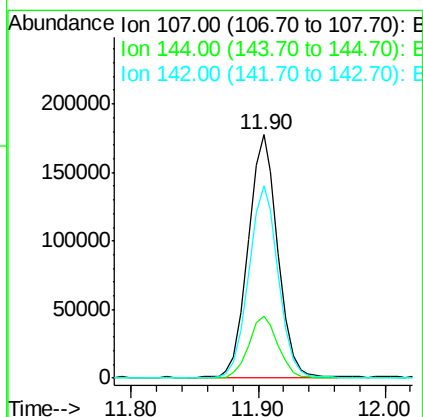
Instrument :  
BNA\_M  
ClientSampleId :  
D9WT7MS

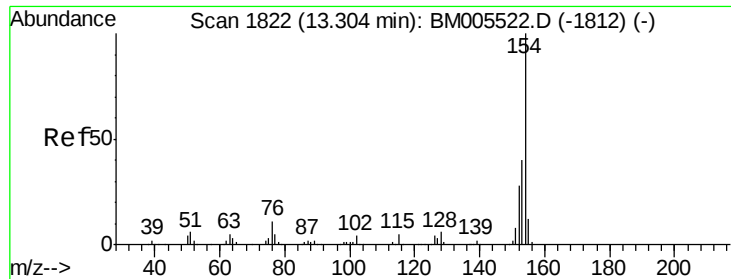
Tgt Ion: 70 Resp: 137623  
Ion Ratio Lower Upper  
70 100  
42 56.9 42.8 64.2  
101 10.3 7.8 11.6  
130 21.4 15.7 23.5



#33  
4-Chloro-3-methylphenol  
Concen: 16.03 ng/ul  
RT: 11.90 min Scan# 1584  
Delta R.T. 0.00 min  
Lab File: BM005516.D  
Acq: 20 May 2016 02:09

Tgt Ion: 107 Resp: 287368  
Ion Ratio Lower Upper  
107 100  
144 25.7 19.3 28.9  
142 78.9 60.8 91.2

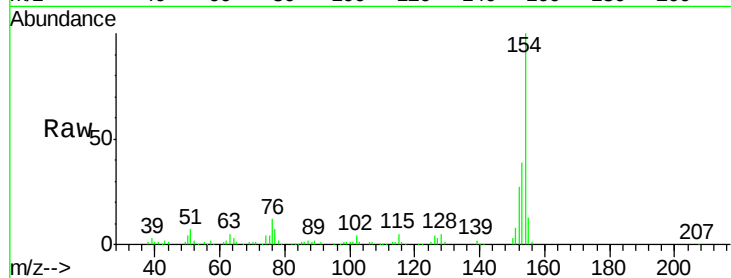




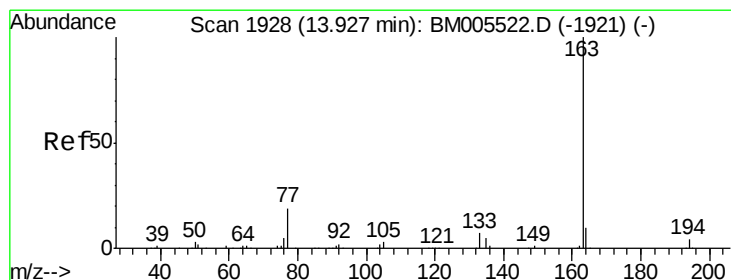
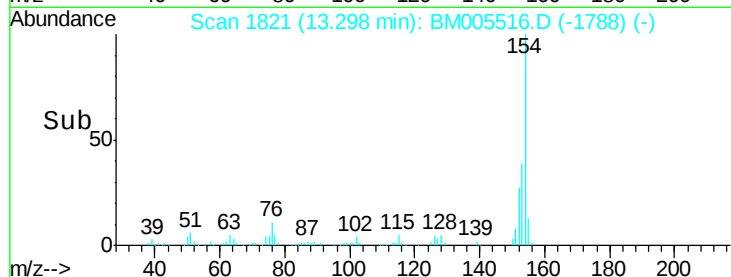
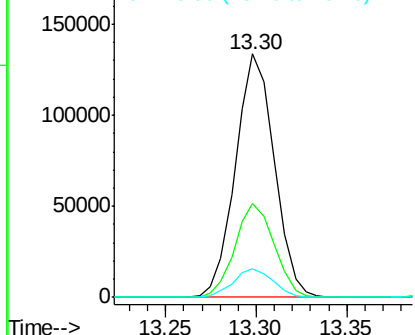
#40  
 1,1'-Biphenyl  
 Concen: 3.94 ng/ul  
 RT: 13.30 min Scan# 1821  
 Delta R.T. -0.01 min  
 Lab File: BM005516.D  
 Acq: 20 May 2016 02:09

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9WT7MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 38.6  | 32.1  | 48.1  |
| 76      | 11.5  | 10.6  | 15.8  |

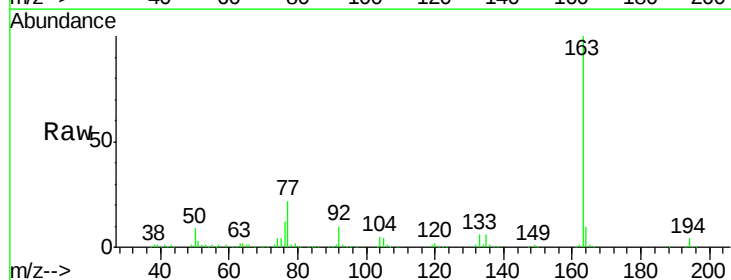


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BM

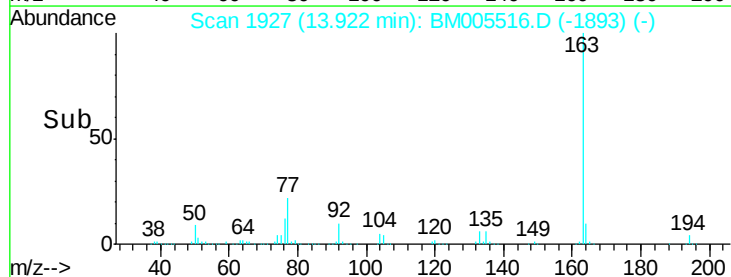
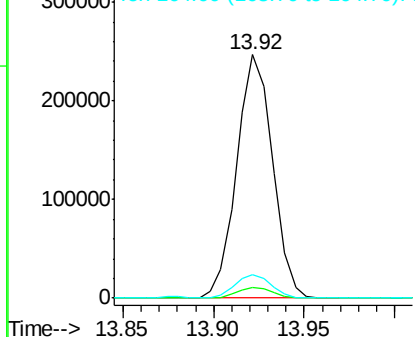


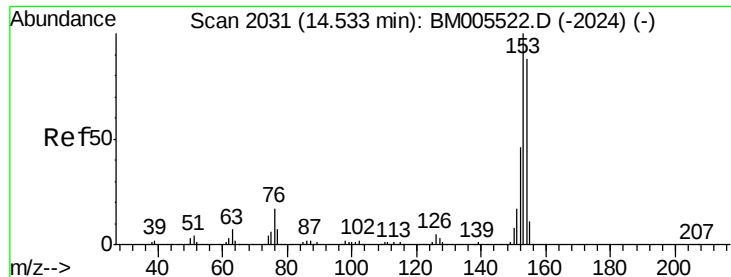
#44  
 Dimethylphthalate  
 Concen: 6.44 ng/ul  
 RT: 13.92 min Scan# 1927  
 Delta R.T. 0.00 min  
 Lab File: BM005516.D  
 Acq: 20 May 2016 02:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.1   | 3.4   | 5.0   |
| 164     | 9.9   | 7.9   | 11.9  |



Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 16.00 ng/ul

RT: 14.53 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BM005516.D

Acq: 20 May 2016 02:09

Instrument :

BNA\_M

ClientSampleId :

D9WT7MS

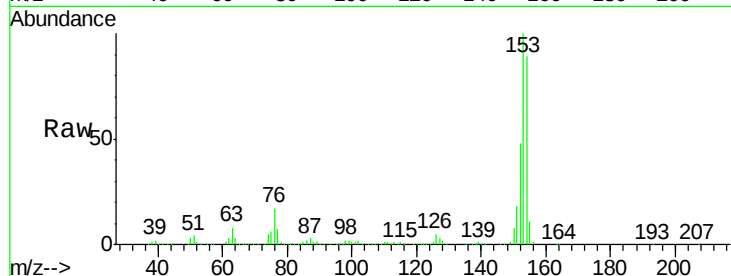
Tgt Ion:153 Resp: 692471

Ion Ratio Lower Upper

153 100

152 47.7 38.9 58.3

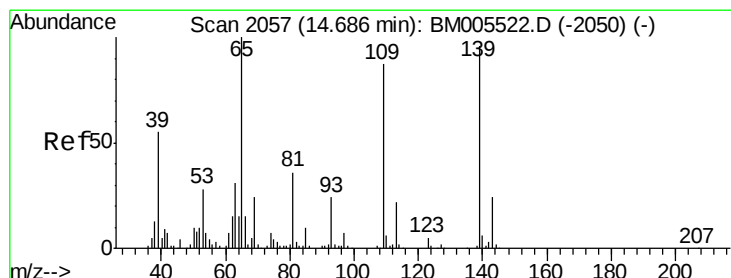
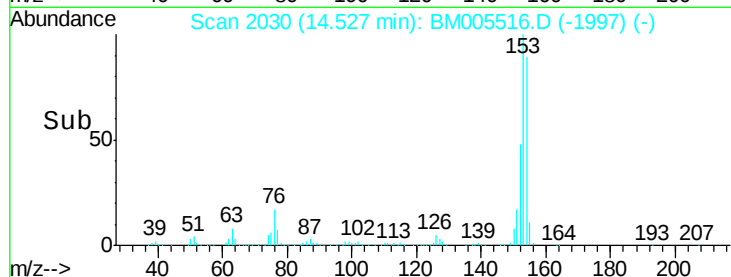
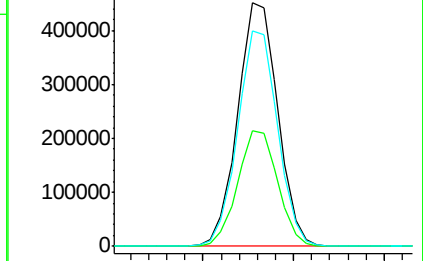
154 88.7 70.3 105.5



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



#52

4-Nitrophenol

Concen: 14.76 ng/ul

RT: 14.67 min Scan# 2055

Delta R.T. 0.01 min

Lab File: BM005516.D

Acq: 20 May 2016 02:09

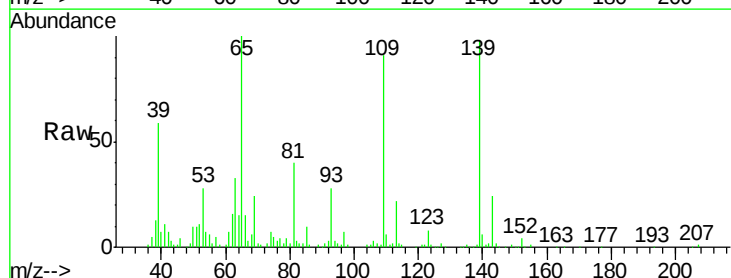
Tgt Ion:109 Resp: 140427

Ion Ratio Lower Upper

109 100

139 107.3 103.6 155.4

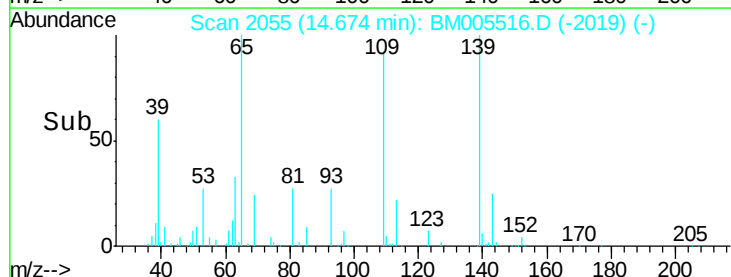
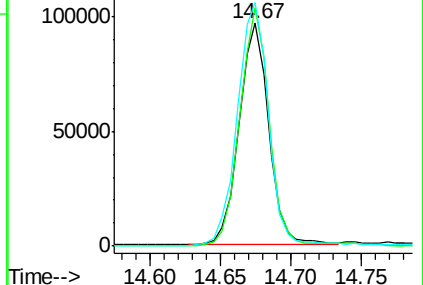
65 109.3 104.7 157.1

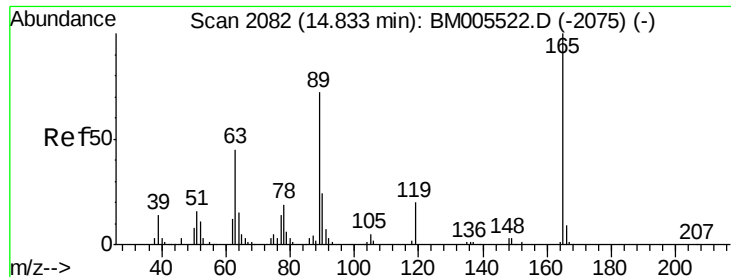


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM

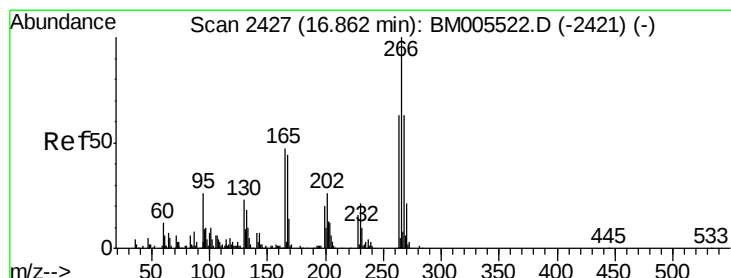
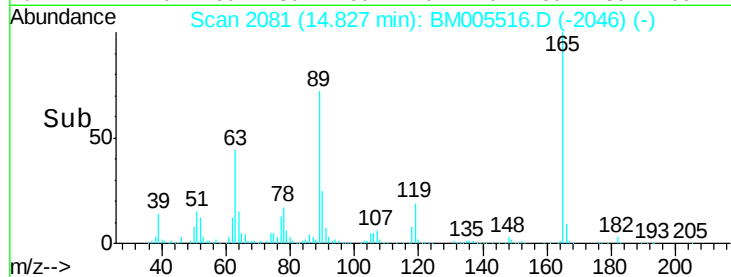
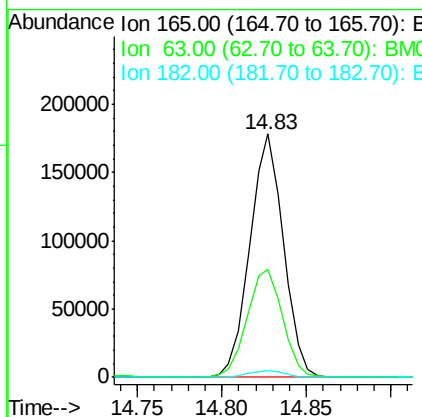
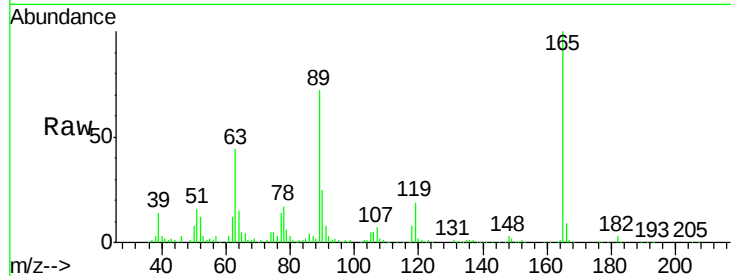




#54  
 2,4-Dinitrotoluene  
 Concen: 16.02 ng/ul  
 RT: 14.83 min Scan# 2081  
 Delta R.T. 0.01 min  
 Lab File: BM005516.D  
 Acq: 20 May 2016 02:09

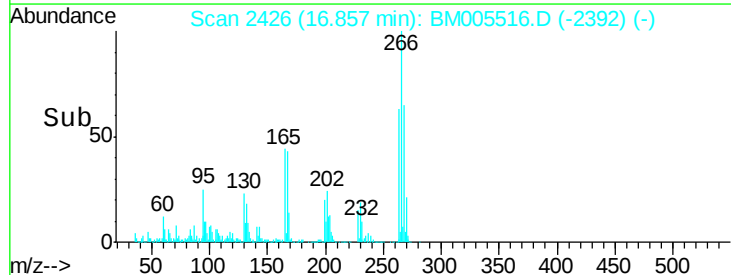
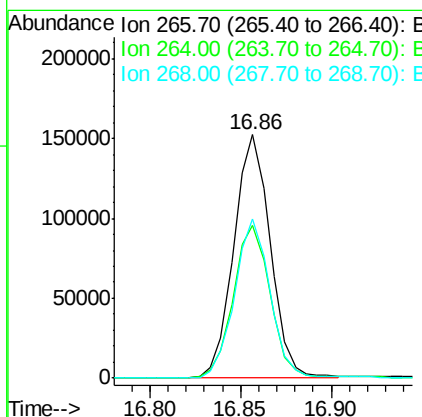
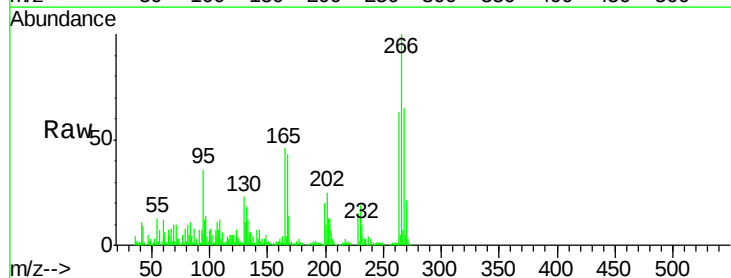
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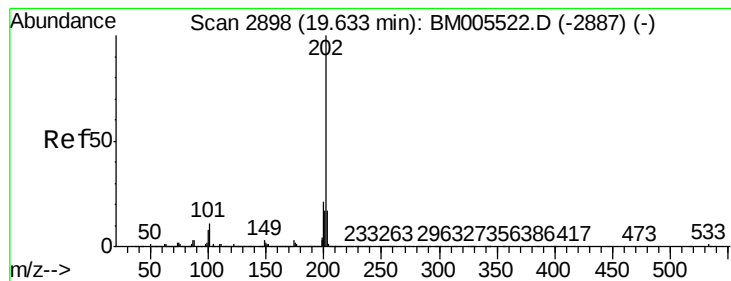
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 44.1  | 36.2  | 54.4  |
| 182     | 2.8   | 2.5   | 3.7   |



#68  
 Pentachlorophenol  
 Concen: 17.95 ng/ul  
 RT: 16.86 min Scan# 2426  
 Delta R.T. 0.00 min  
 Lab File: BM005516.D  
 Acq: 20 May 2016 02:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 62.7  | 52.0  | 78.0  |
| 268     | 65.1  | 53.0  | 79.6  |





#77

Pyrene

Concen: 17.21 ng/ul

RT: 19.63 min Scan# 2897

Delta R.T. 0.01 min

Lab File: BM005516.D

Acq: 20 May 2016 02:09

Instrument :

BNA\_M

ClientSampleId :

D9WT7MS

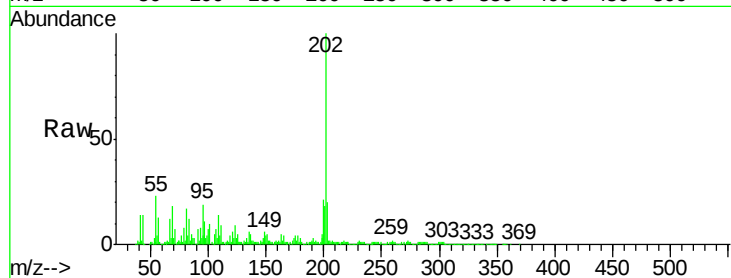
Tgt Ion: 202 Resp: 1862426

Ion Ratio Lower Upper

202 100

101 9.6 10.8 16.2#

100 7.5 8.4 12.6#



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

