

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110716\  
 Data File : BM007769.D  
 Acq On : 07 Nov 2016 12:11  
 Operator : UM/SJ  
 Sample : H5532-05MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 H0103MSD

Quant Time: Nov 07 13:08:03 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM102016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 24 12:55:22 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 174763   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 671825   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.38 | 164  | 424596   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.13 | 188  | 836154   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.32 | 240  | 1056291  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.56 | 264  | 1090675  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 6254    | 1.53  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.92  | 99  | 104782  | 7.77  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 284131  | 35.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.28  | 132 | 315197  | 30.47 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.45  | 113 | 191730  | 18.17 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.90  | 128 | 186091  | 38.49 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.62  | 143 | 205323  | 40.06 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 343758  | 34.11 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.69 | 131 | 35124   | 3.06  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.79 | 166 | 1112196 | 38.47 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.07 | 160 | 1335356 | 38.38 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.60 | 143 | 29764   | 6.51  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.37 | 176 | 954653  | 37.68 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 161384  | 32.49 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.23 | 188 | 1482031 | 39.33 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.52 | 212 | 1710262 | 39.41 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.42 | 264 | 1864597 | 39.16 | ng/ul | 0.00 |

## Target Compounds

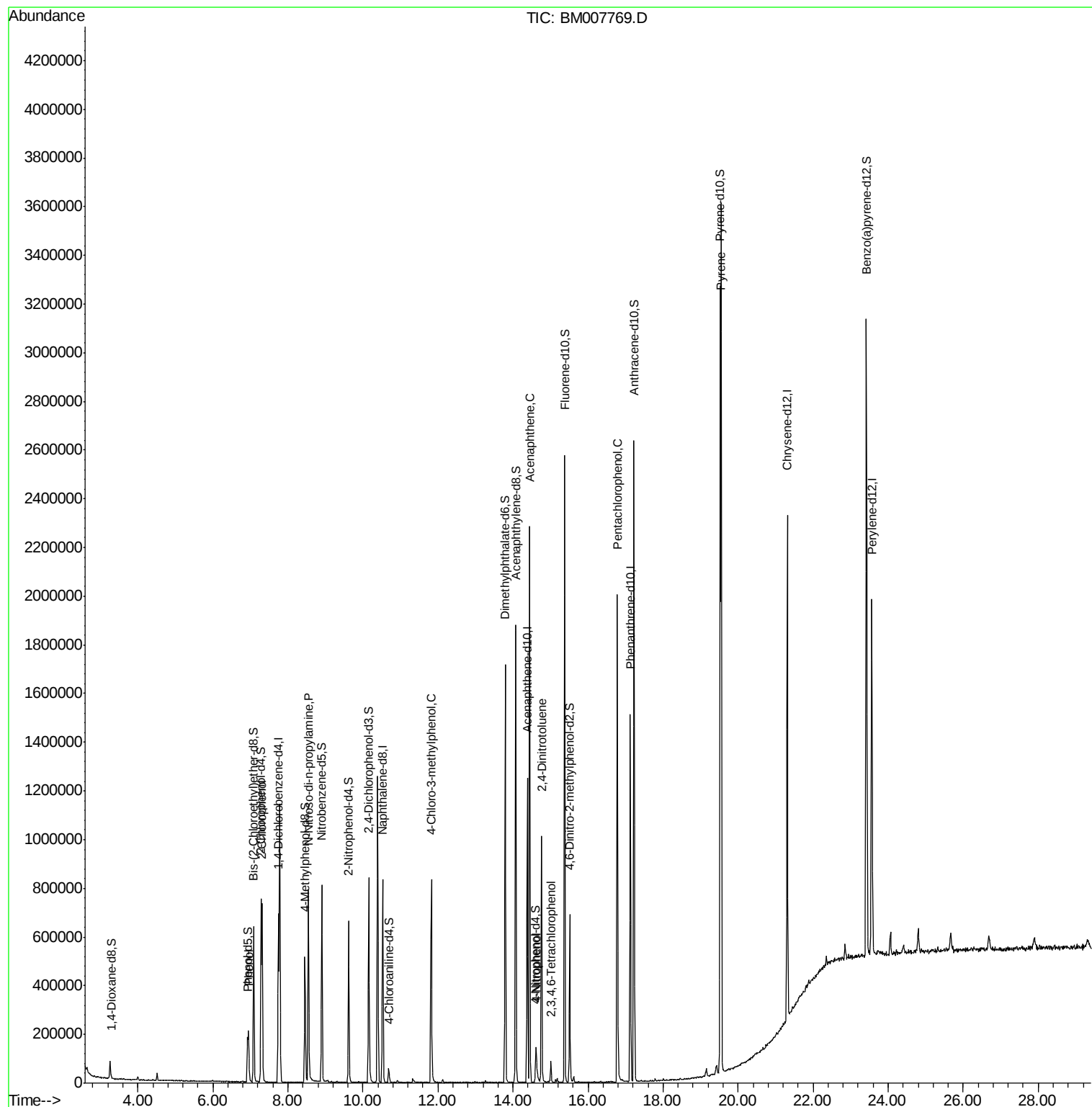
|                                |       |     |         |       |        | Ovalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 6) Phenol                      | 6.95  | 94  | 112481  | 8.12  | ng/ul  | 98     |
| 10) 2-Chlorophenol             | 7.32  | 128 | 314906  | 29.67 | ng/ul  | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.55  | 70  | 313513  | 38.17 | ng/ul  | 93     |
| 33) 4-Chloro-3-methylphenol    | 11.82 | 107 | 327726  | 31.49 | ng/ul  | 93     |
| 49) Acenaphthene               | 14.44 | 153 | 904020  | 37.13 | ng/ul  | 98     |
| 52) 4-Nitrophenol              | 14.62 | 109 | 28567   | 6.30  | ng/ul  | 96     |
| 54) 2,4-Dinitrotoluene         | 14.76 | 165 | 299459  | 39.30 | ng/ul  | 98     |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.02 | 232 | 20965   | 2.82  | ng/ul# | 92     |
| 68) Pentachlorophenol          | 16.78 | 266 | 366961  | 61.98 | ng/ul  | 100    |
| 77) Pyrene                     | 19.55 | 202 | 2138914 | 39.20 | ng/ul  | 99     |

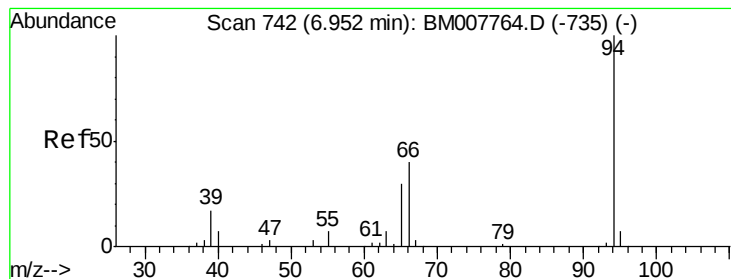
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 24 12:55:22 2016  
Response via : Initial Calibration





#6

Phenol

Concen: 8.12 ng/ul

RT: 6.95 min Scan# 742

Delta R.T. -0.00 min

Lab File: BM007769.D

Acq: 07 Nov 2016 12:11

Instrument :

BNA\_M

ClientSampleId :

H0103MSD

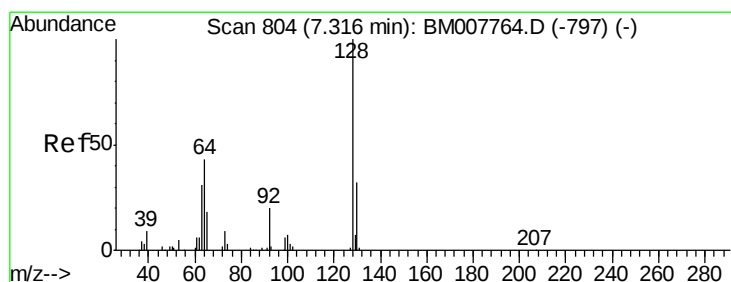
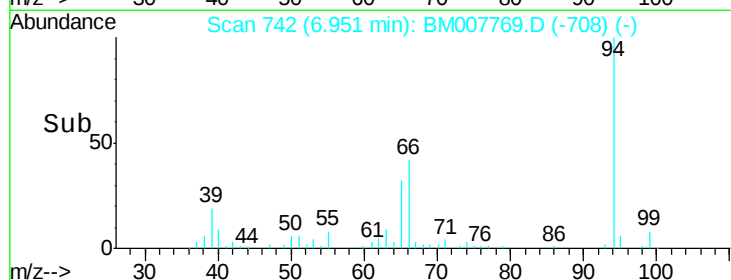
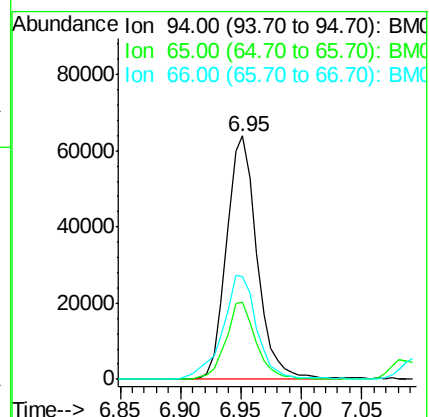
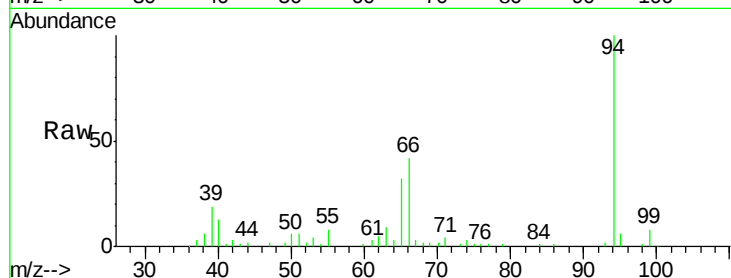
Tot Ion: 94 Resp: 112481

Ion Ratio Lower Upper

94 100

65 31.7 23.9 35.9

66 42.3 33.5 50.3



#10

2-Chlorophenol

Concen: 29.67 ng/ul

RT: 7.32 min Scan# 804

Delta R.T. -0.01 min

Lab File: BM007769.D

Acq: 07 Nov 2016 12:11

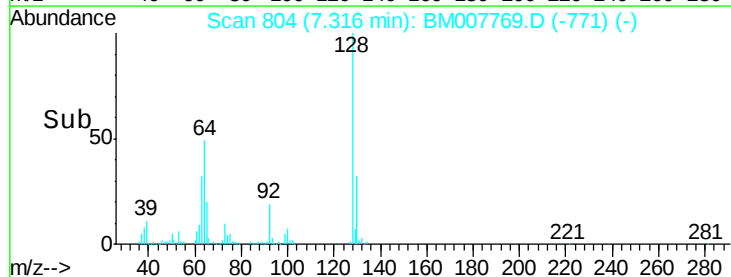
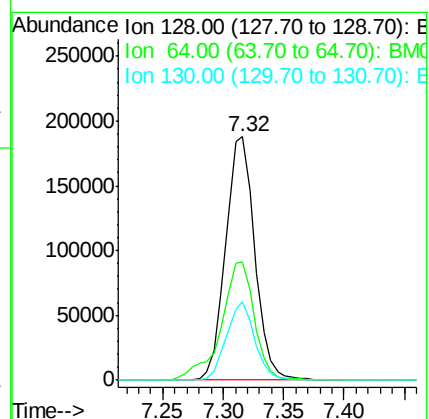
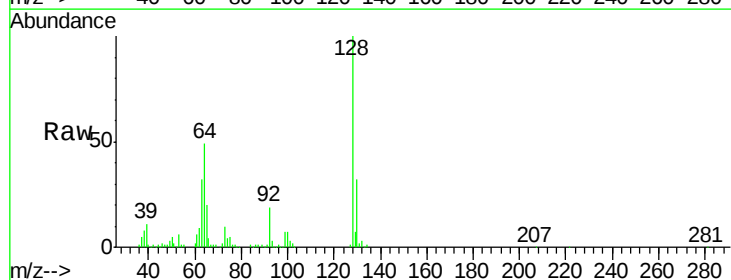
Tgt Ion: 128 Resp: 314906

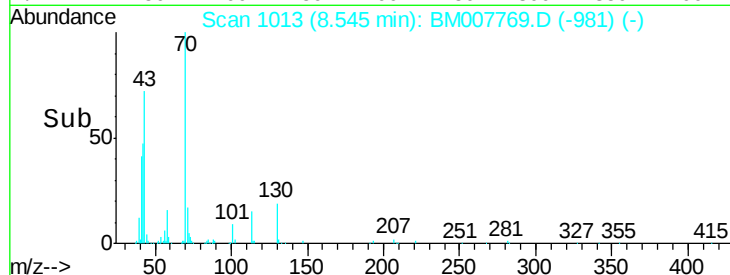
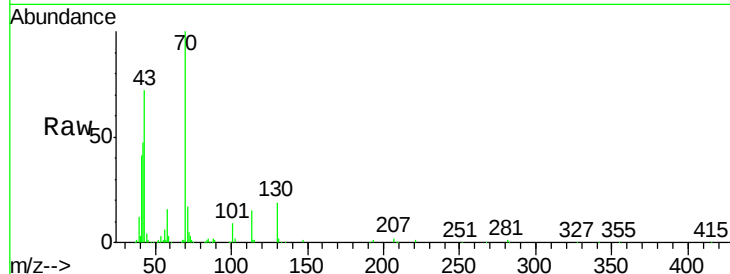
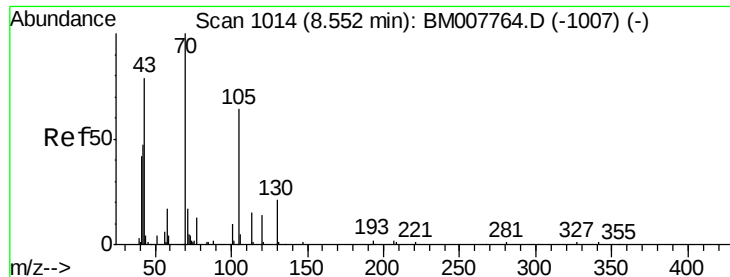
Ion Ratio Lower Upper

128 100

64 48.5 37.5 56.3

130 32.5 25.0 37.4

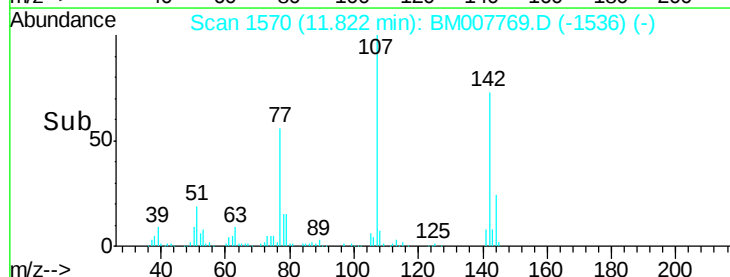
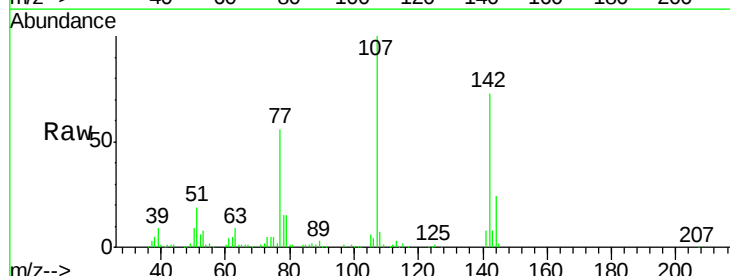
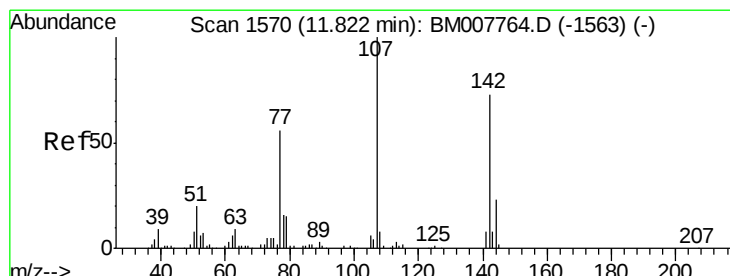
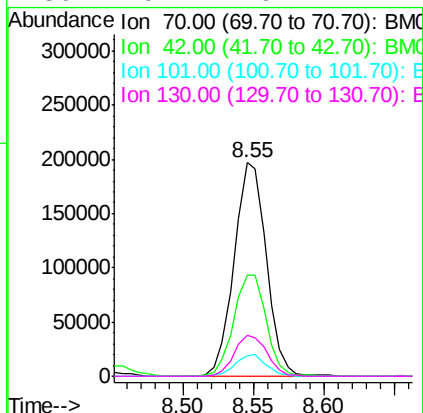




#15  
N-Nitroso-di-n-propylamine  
Concen: 38.17 ng/ul  
RT: 8.55 min Scan# 1013  
Delta R.T. -0.01 min  
Lab File: BM007769.D  
Acq: 07 Nov 2016 12:11

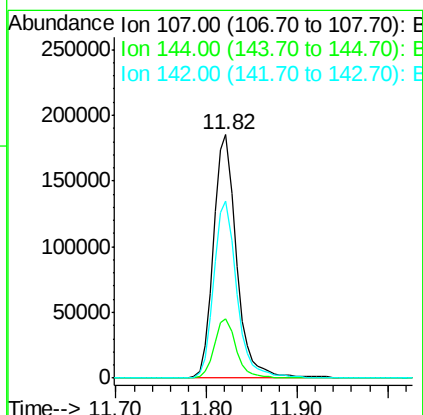
Instrument :  
BNA\_M  
ClientSampleId :  
H0103MSD

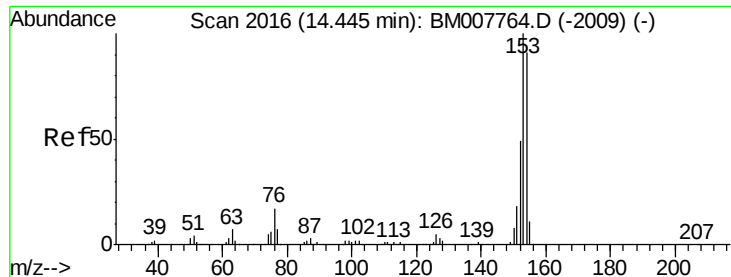
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 313513 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 47.2  | 43.4  | 65.2   |
| 101      | 9.3   | 7.8   | 11.6   |
| 130      | 19.1  | 16.2  | 24.4   |



#33  
4-Chloro-3-methylphenol  
Concen: 31.49 ng/ul  
RT: 11.82 min Scan# 1570  
Delta R.T. -0.00 min  
Lab File: BM007769.D  
Acq: 07 Nov 2016 12:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 327726 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 144      | 24.3  | 21.1  | 31.7   |
| 142      | 72.8  | 64.1  | 96.1   |





#49

Acenaphthene

Concen: 37.13 ng/ul

RT: 14.44 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BM007769.D

Acq: 07 Nov 2016 12:11

Instrument :

BNA\_M

ClientSampleId :

H0103MSD

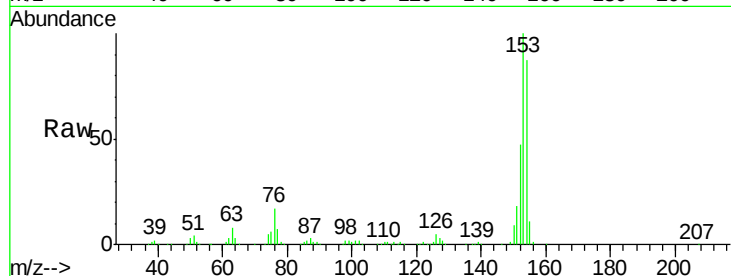
Tot Ion:153 Resp: 904020

Ion Ratio Lower Upper

153 100

152 46.7 37.8 56.6

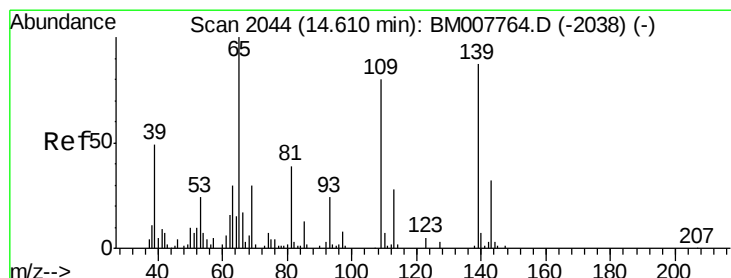
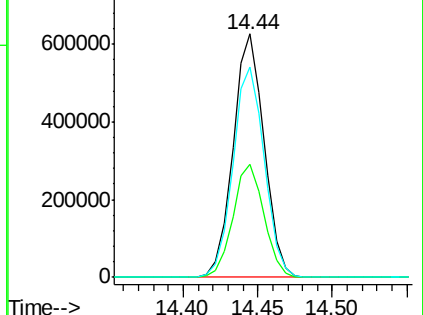
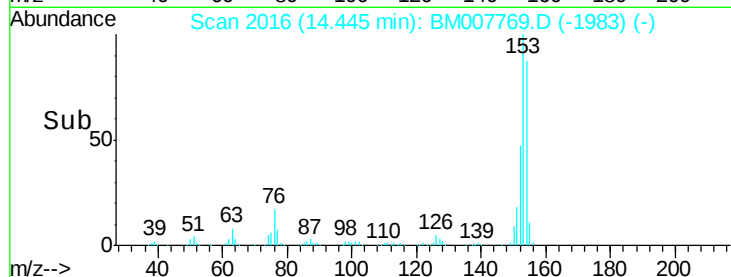
154 86.5 71.4 107.0



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: 6.30 ng/ul

RT: 14.62 min Scan# 2046

Delta R.T. 0.01 min

Lab File: BM007769.D

Acq: 07 Nov 2016 12:11

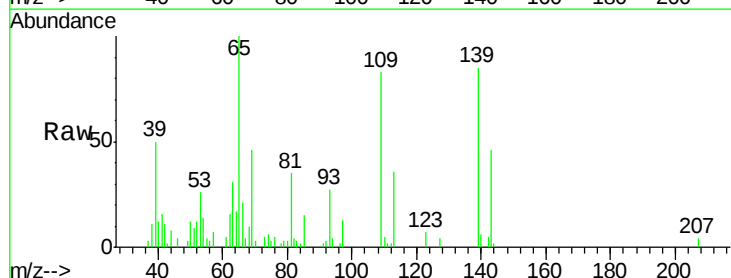
Tgt Ion:109 Resp: 28567

Ion Ratio Lower Upper

109 100

139 102.3 88.7 133.1

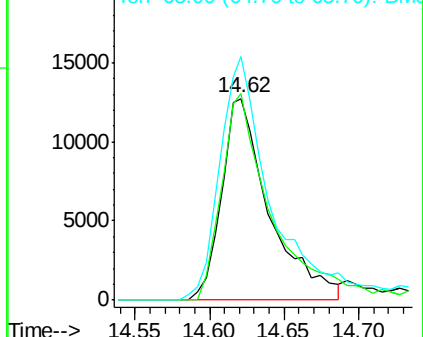
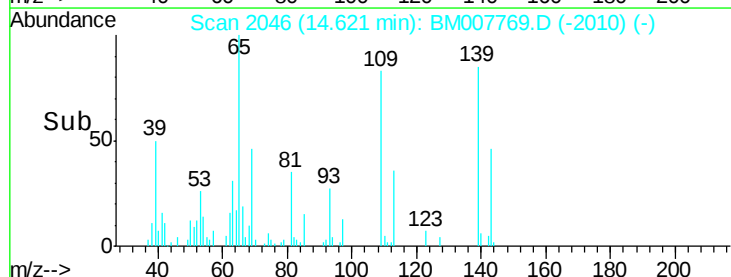
65 120.9 96.4 144.6

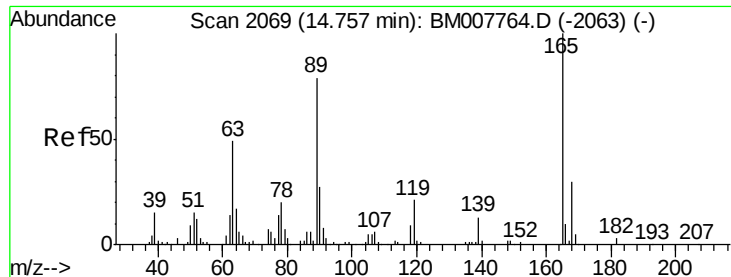


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM

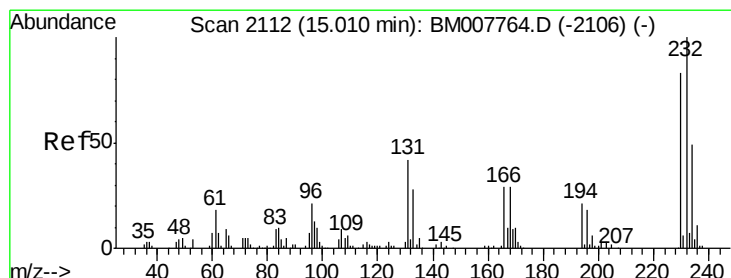
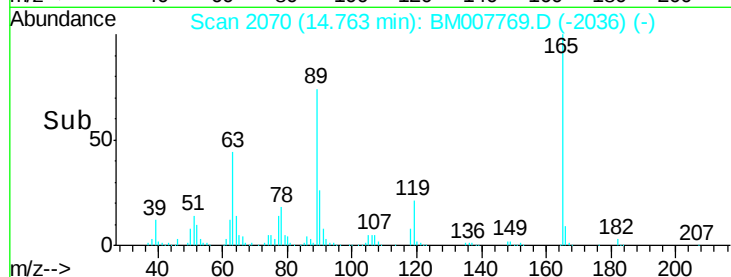
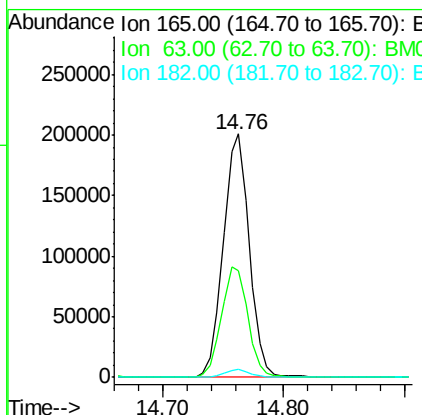
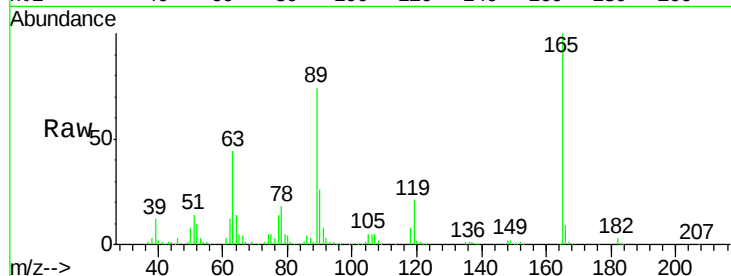




#54  
 2,4-Dinitrotoluene  
 Concen: 39.30 ng/ul  
 RT: 14.76 min Scan# 2070  
 Delta R.T. -0.00 min  
 Lab File: BM007769.D  
 Acq: 07 Nov 2016 12:11

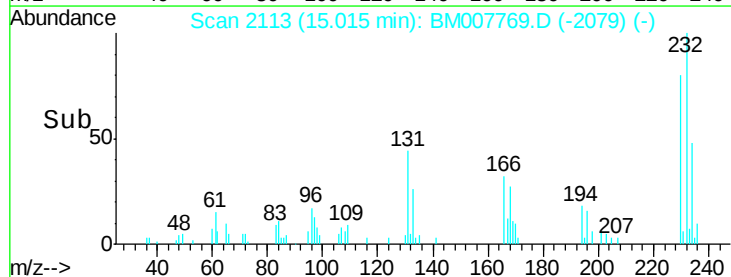
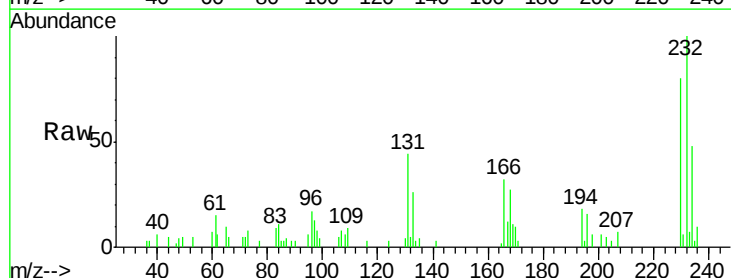
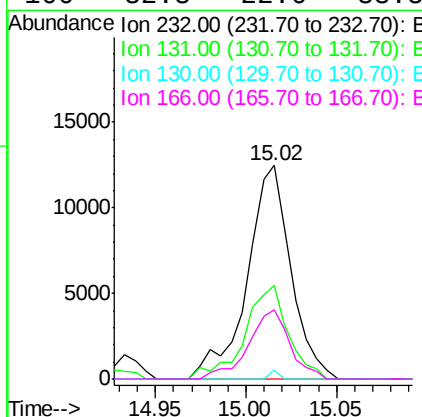
Instrument :  
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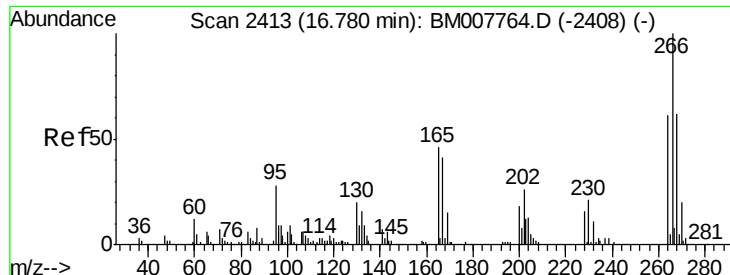
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 43.9  | 36.2  | 54.2  |
| 182     | 3.2   | 2.2   | 3.4   |



#55  
 2,3,4,6-Tetrachlorophenol  
 Concen: 2.82 ng/ul  
 RT: 15.02 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: BM007769.D  
 Acq: 07 Nov 2016 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 43.8  | 31.4  | 47.0  |
| 130     | 4.2   | 1.6   | 2.4   |
| 166     | 32.3  | 22.6  | 33.8  |

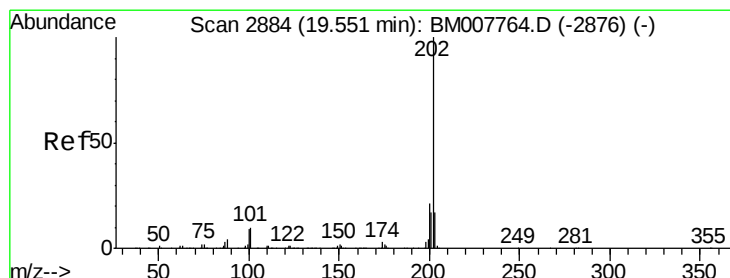
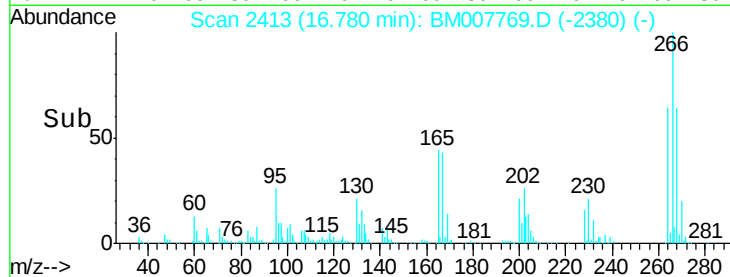
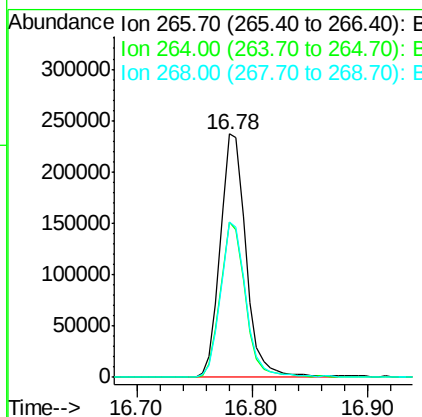
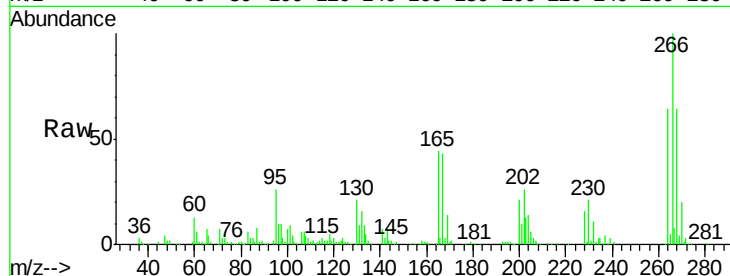




#68  
 Pentachlorophenol  
 Concen: 61.98 ng/ul  
 RT: 16.78 min Scan# 2413  
 Delta R.T. -0.01 min  
 Lab File: BM007769.D  
 Acq: 07 Nov 2016 12:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 H0103MSD

Tot Ion:266 Resp: 366961  
 Ion Ratio Lower Upper  
 266 100  
 264 63.6 50.6 75.8  
 268 64.0 51.0 76.6



#77  
 Pyrene  
 Concen: 39.20 ng/ul  
 RT: 19.55 min Scan# 2884  
 Delta R.T. -0.01 min  
 Lab File: BM007769.D  
 Acq: 07 Nov 2016 12:11

Tgt Ion:202 Resp: 2138914  
 Ion Ratio Lower Upper  
 202 100  
 101 10.2 8.4 12.6  
 100 8.4 6.9 10.3

