

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121416\  
 Data File : BM008317.D  
 Acq On : 14 Dec 2016 20:11  
 Operator : UM/SJ  
 Sample : H5996-11MS  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA873MS

Manual Integrations  
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 12/15/2016 5:36:30 PM

Quant Time: Dec 15 02:53:59 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 15 02:28:30 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 125391   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 493207   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.31 | 164  | 314124   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 614688   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.27 | 240  | 731094   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.50 | 264  | 748930   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.24  | 96  | 3081    | 1.16  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.86  | 99  | 53423   | 5.49  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67  | 172395  | 30.83 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.21  | 132 | 176248  | 24.08 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.39  | 113 | 102844  | 13.65 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 112022  | 31.43 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 123800  | 31.34 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.09 | 165 | 202484  | 27.97 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.65 | 131 | 14304m  | 1.72  | ng/ul | 0.05 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 752467  | 36.04 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 864801  | 35.04 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.59 | 143 | 13238m  | 4.30  | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.31 | 176 | 632803  | 34.87 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 97995   | 26.78 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 971830  | 36.29 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.46 | 212 | 1131360 | 40.07 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.35 | 264 | 1129599 | 35.92 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |        | Qvalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 6) Phenol                      | 6.89  | 94  | 58617   | 5.80  | ng/ul  | 96     |
| 10) 2-Chlorophenol             | 7.24  | 128 | 174164  | 23.56 | ng/ul  | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.47  | 70  | 197769  | 31.24 | ng/ul  | 98     |
| 33) 4-Chloro-3-methylphenol    | 11.76 | 107 | 196737  | 24.92 | ng/ul  | 99     |
| 49) Acenaphthene               | 14.37 | 153 | 579167  | 33.56 | ng/ul  | 97     |
| 52) 4-Nitrophenol              | 14.60 | 109 | 14666m  | 4.97  | ng/ul  |        |
| 54) 2,4-Dinitrotoluene         | 14.72 | 165 | 193223  | 32.36 | ng/ul# | 70     |
| 68) Pentachlorophenol          | 16.73 | 266 | 133380  | 32.24 | ng/ul  | 96     |
| 77) Pyrene                     | 19.50 | 202 | 1387750 | 38.66 | ng/ul  | 98     |

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

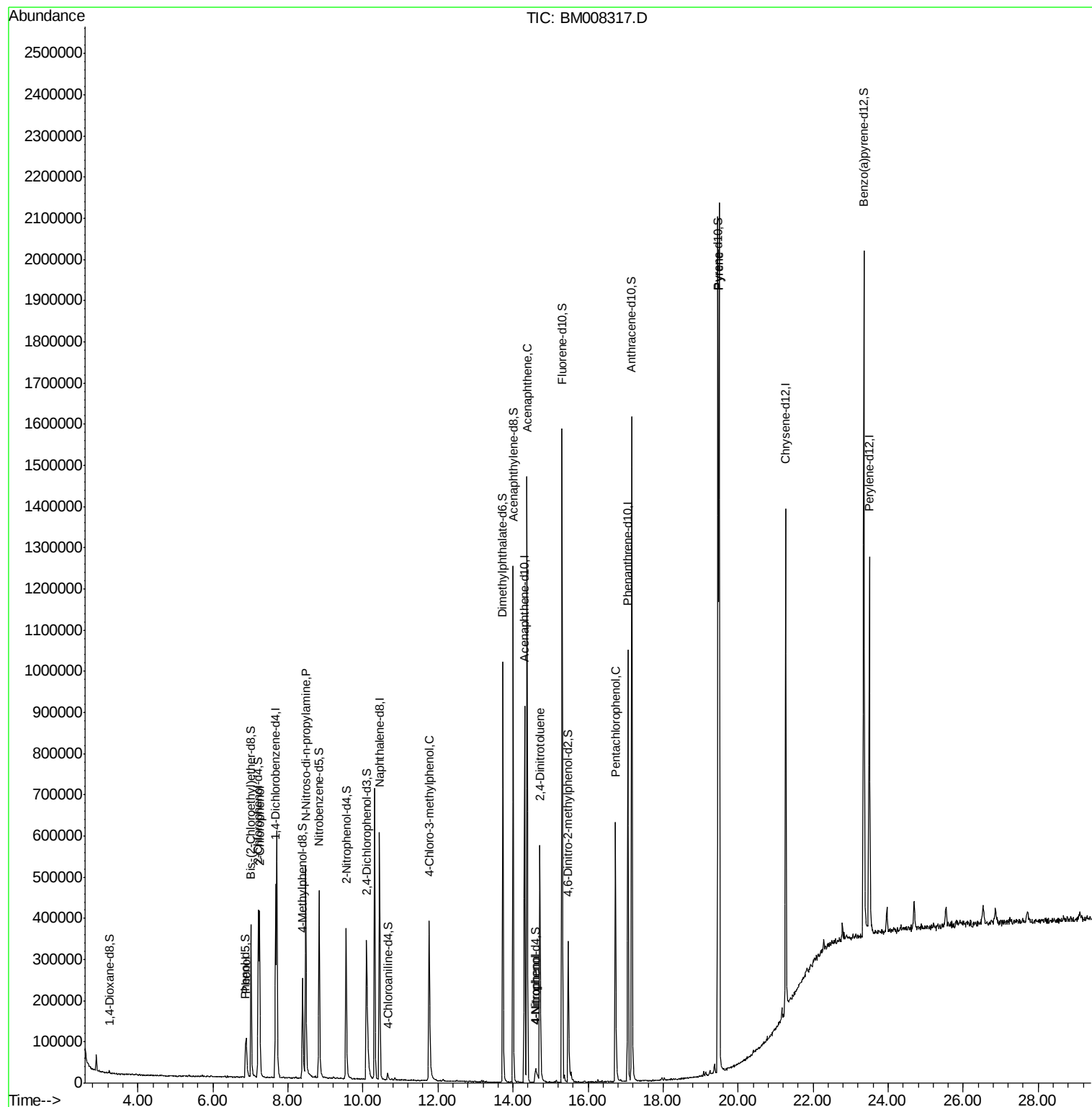
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121416\  
Data File : BM008317.D  
Acq On : 14 Dec 2016 20:11  
Operator : UM/SJ  
Sample : H5996-11MS  
Misc :  
ALS Vial : 43 Sample Multiplier: 1

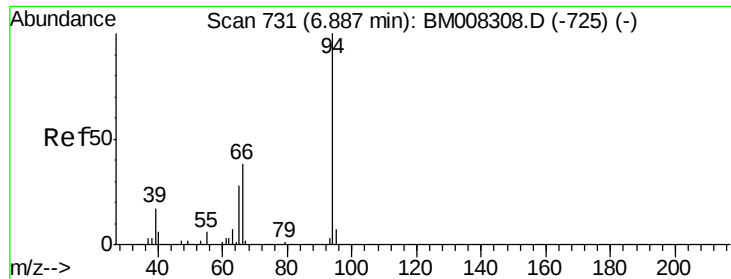
Instrument :  
BNA\_M  
ClientSampleID :  
DA873MS

Quant Time: Dec 15 02:53:59 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 15 02:28:30 2016  
Response via : Initial Calibration

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#6

Phenol

Concen: 5.80 ng/ul

RT: 6.89 min Scan# 732

Delta R.T. 0.01 min

Lab File: BM008317.D

Acq: 14 Dec 2016 20:11

Instrument :

BNA\_M

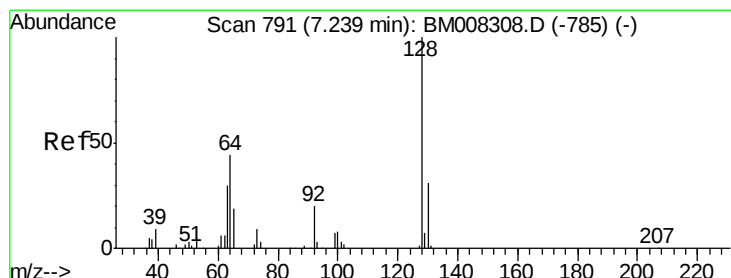
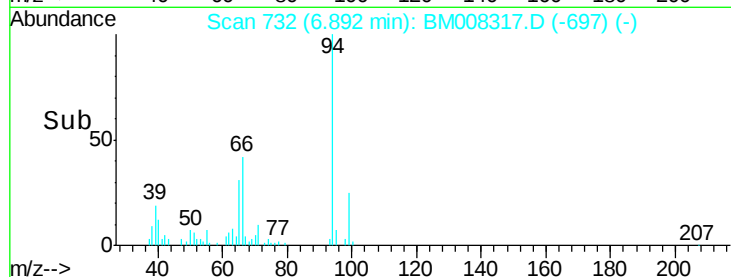
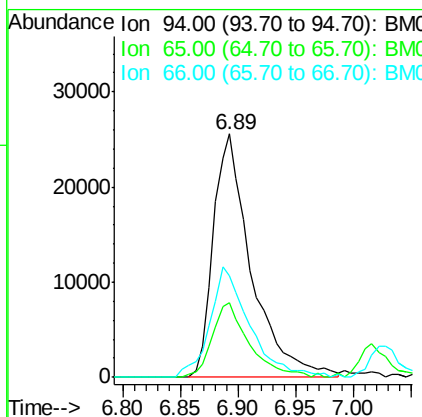
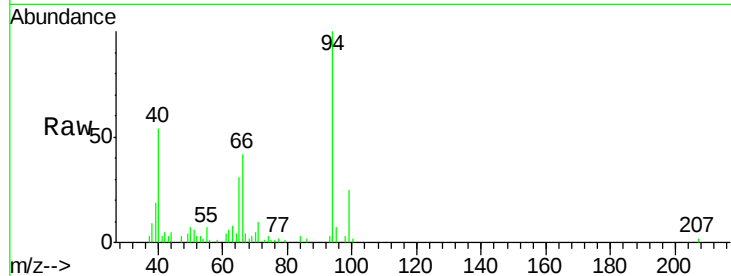
ClientSampleId :

DA873MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 58617 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 30.7  | 22.6  | 34.0  |
| 66        | 41.9  | 35.8  | 53.8  |

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#10

2-Chlorophenol

Concen: 23.56 ng/ul

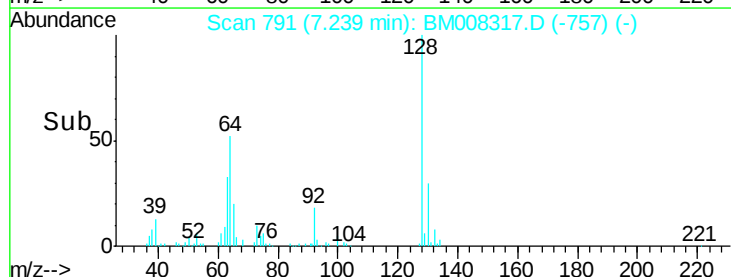
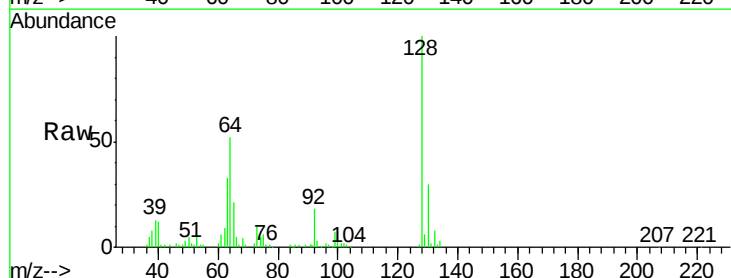
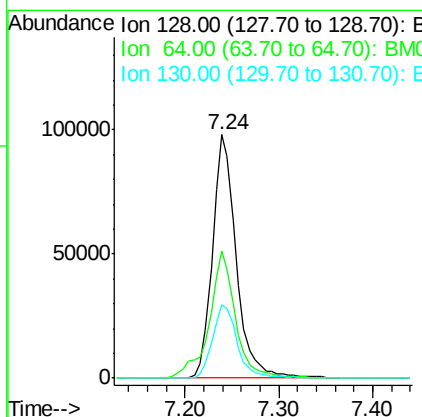
RT: 7.24 min Scan# 791

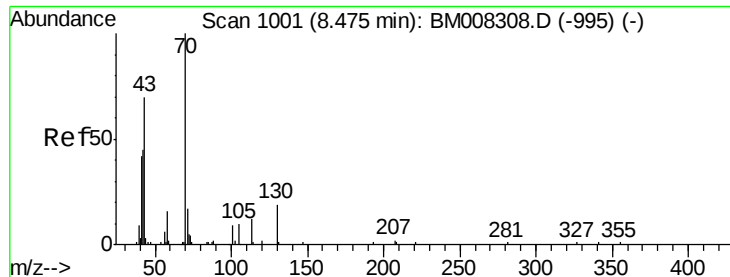
Delta R.T. -0.00 min

Lab File: BM008317.D

Acq: 14 Dec 2016 20:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 174164 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 64        | 52.3  | 40.0  | 60.0   |
| 130       | 30.1  | 25.6  | 38.4   |





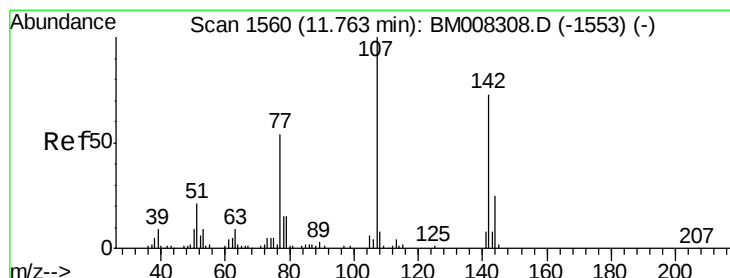
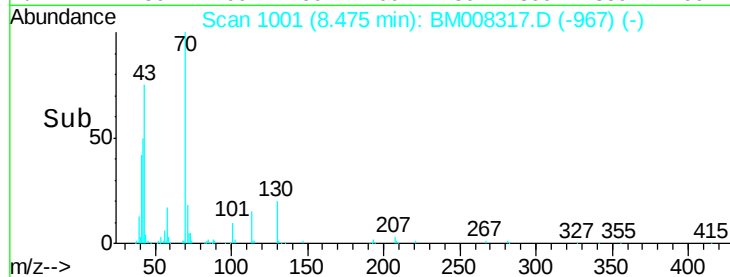
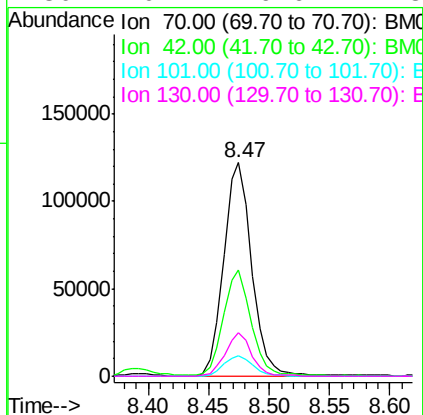
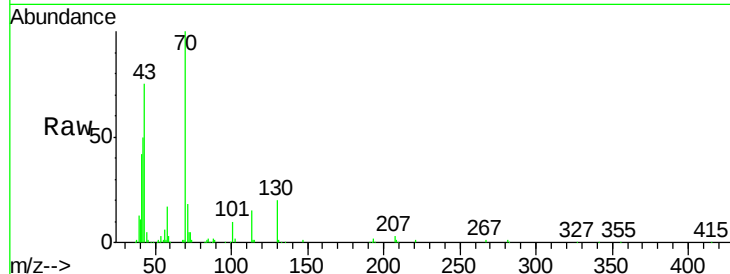
#15  
N-Nitroso-di-n-propylamine  
Concen: 31.24 ng/ul  
RT: 8.47 min Scan# 1001  
Delta R.T. -0.00 min  
Lab File: BM008317.D  
Acq: 14 Dec 2016 20:11

Instrument :  
BNA\_M  
ClientSampleId :  
DA873MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 50.0  | 38.6  | 57.8  |
| 101     | 9.5   | 8.2   | 12.4  |
| 130     | 20.2  | 16.6  | 24.8  |

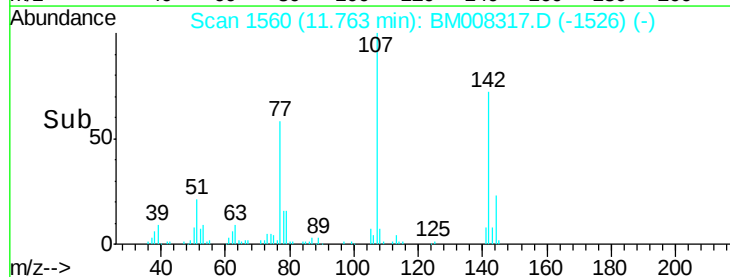
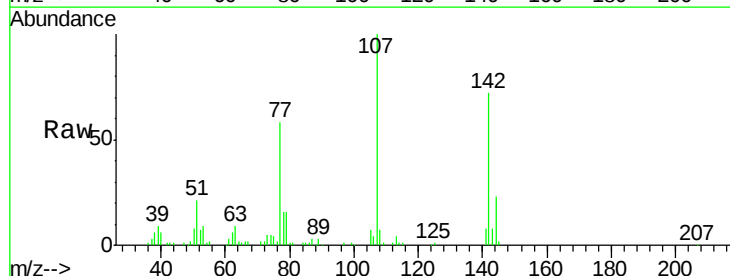
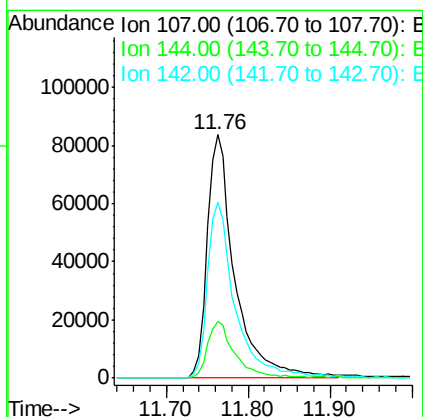
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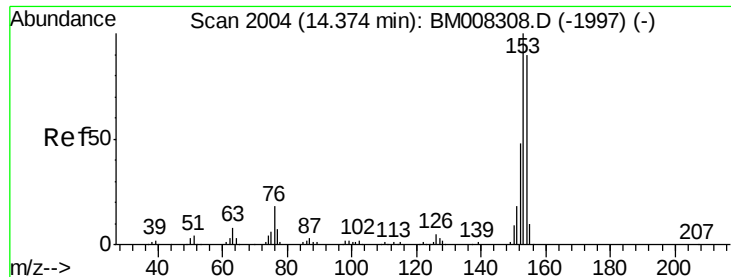
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#33  
4-Chloro-3-methylphenol  
Concen: 24.92 ng/ul  
RT: 11.76 min Scan# 1560  
Delta R.T. -0.00 min  
Lab File: BM008317.D  
Acq: 14 Dec 2016 20:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 23.2  | 17.9  | 26.9  |
| 142     | 72.4  | 57.0  | 85.6  |





#49

Acenaphthene

Concen: 33.56 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BM008317.D

Acq: 14 Dec 2016 20:11

Instrument :

BNA\_M

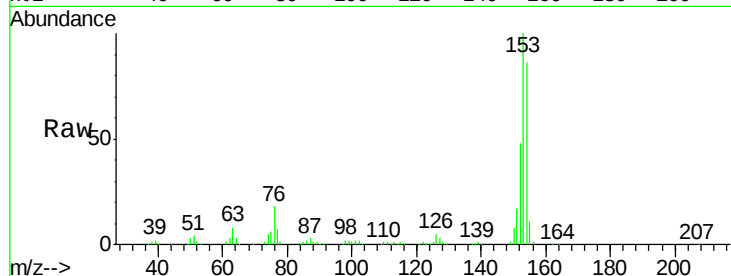
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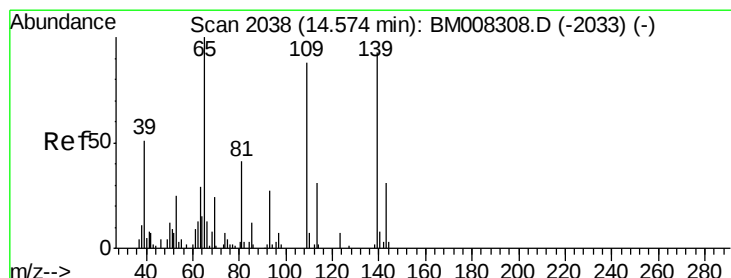
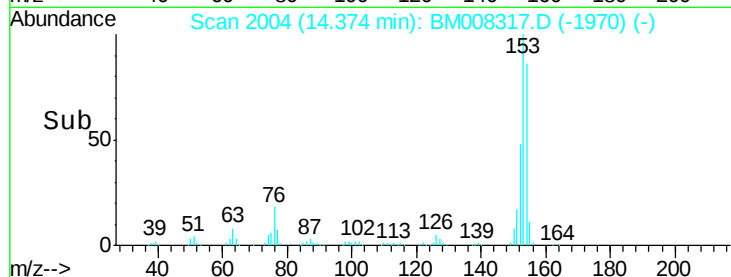
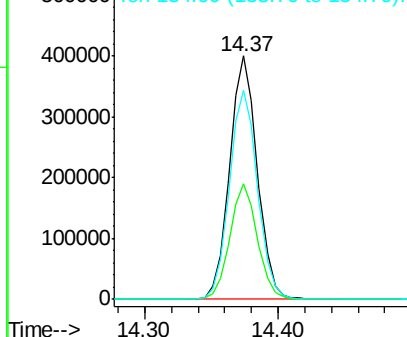
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 153   | Resp: | 579167 |
| Ion Ratio | Lower | Upper |        |
| 153       | 100   |       |        |
| 152       | 47.6  | 36.6  | 54.8   |
| 154       | 86.1  | 71.4  | 107.2  |

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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: 4.97 ng/ul m

RT: 14.60 min Scan# 2043

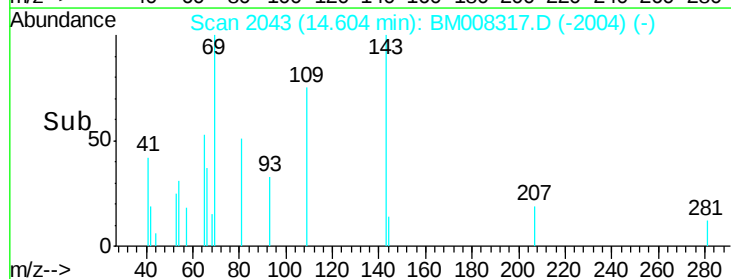
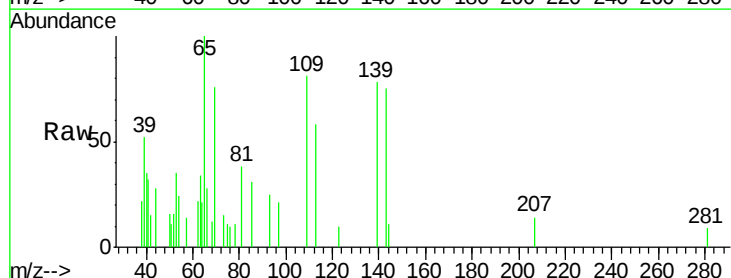
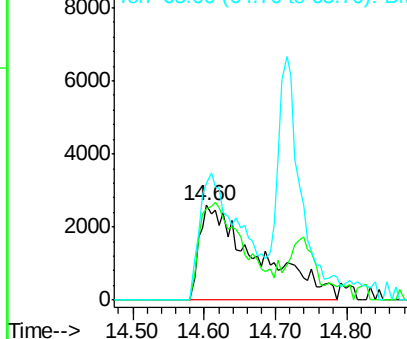
Delta R.T. 0.03 min

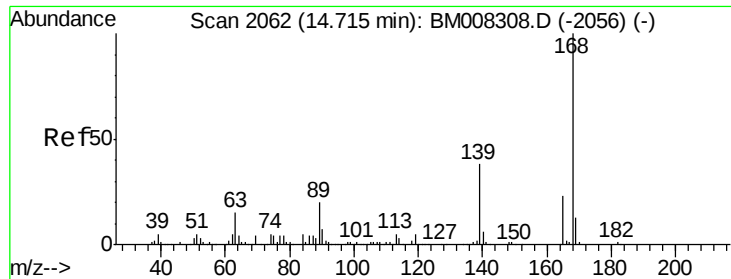
Lab File: BM008317.D

Acq: 14 Dec 2016 20:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 109   | Resp: | 14666 |
| Ion Ratio | Lower | Upper |       |
| 109       | 100   |       |       |
| 139       | 96.8  | 83.3  | 124.9 |
| 65        | 123.3 | 93.0  | 139.4 |

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: 32.36 ng/ul

RT: 14.72 min Scan# 2062

Delta R.T. -0.00 min

Lab File: BM008317.D

Acq: 14 Dec 2016 20:11

Instrument :

BNA\_M

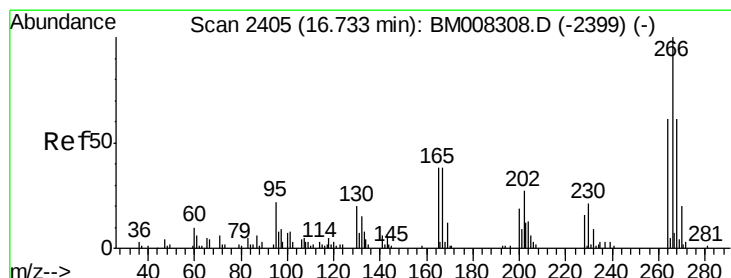
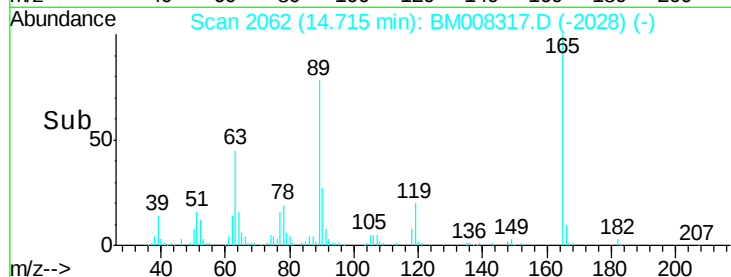
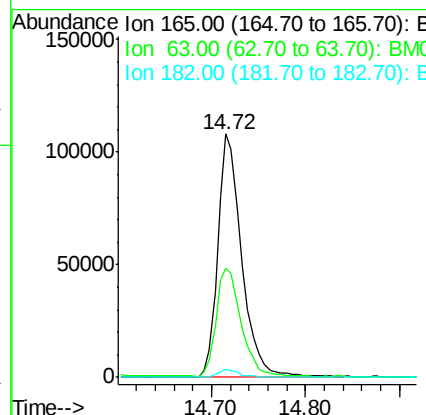
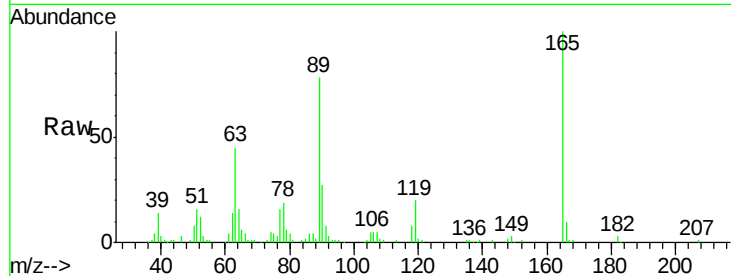
ClientSampleId :

DA873MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 193223 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 45.0  | 56.8  | 85.2#  |
| 182       | 3.4   | 2.3   | 3.5    |

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#68

Pentachlorophenol

Concen: 32.24 ng/ul

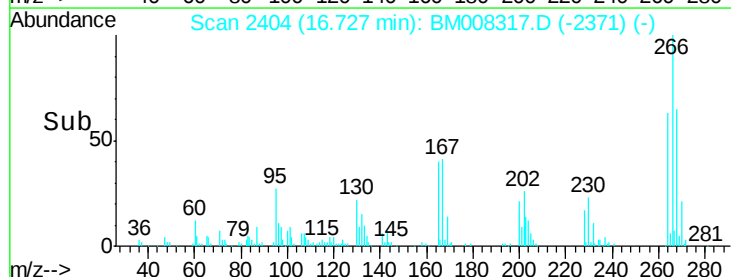
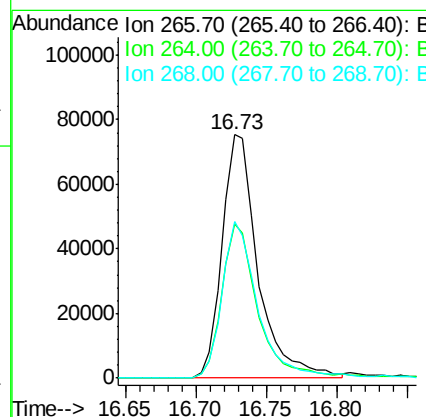
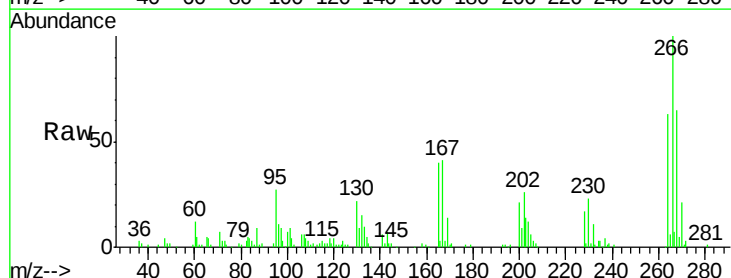
RT: 16.73 min Scan# 2404

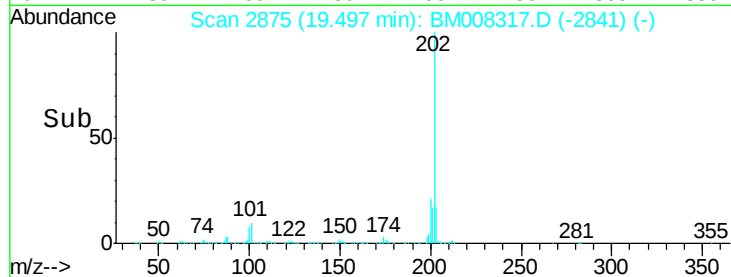
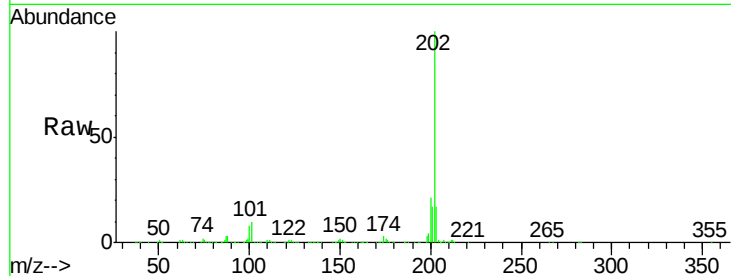
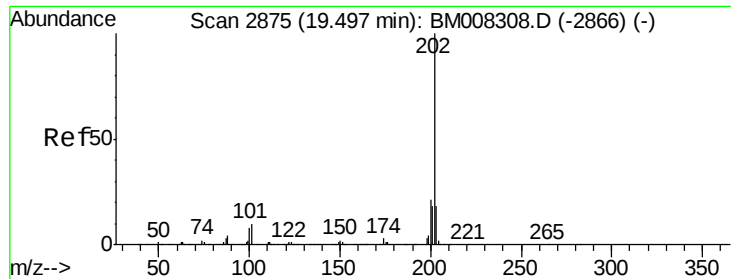
Delta R.T. -0.01 min

Lab File: BM008317.D

Acq: 14 Dec 2016 20:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 133380 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 264       | 63.3  | 47.9  | 71.9   |
| 268       | 64.5  | 49.0  | 73.6   |





#77

Pyrene

Concen: 38.66 ng/ul

RT: 19.50 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BM008317.D

Acq: 14 Dec 2016 20:11

Instrument :

BNA\_M

ClientSampleId :

DA873MS

Tgt Ion: 202 Resp: 1387750

Ion Ratio Lower Upper

202 100

101 9.7 8.2 12.4

100 8.1 7.0 10.6

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