

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092315\  
 Data File : BG018853.D  
 Acq On : 23 Sep 2015 16:26  
 Operator : UM/NP  
 Sample : G3759-10MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHAD3MS

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2015 4:40:20 PM

Quant Time: Sep 24 05:58:20 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 24 04:11:41 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.00  | 152  | 73510    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.80 | 136  | 326098   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.63 | 164  | 213293   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.37 | 188  | 524711   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.63 | 240  | 557055   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.82 | 264  | 561515   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.44  | 96  | 5377    | 3.52  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.16  | 99  | 126179  | 20.90 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.32  | 67  | 73910   | 21.13 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.53  | 132 | 99397   | 21.74 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.70  | 113 | 102451  | 20.92 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.16  | 128 | 52892   | 21.41 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.88  | 143 | 58164   | 23.41 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.43 | 165 | 109825m | 20.99 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.93 | 131 | 139399  | 22.90 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.03 | 166 | 353134  | 20.57 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.32 | 160 | 428644  | 21.07 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.83 | 143 | 54833   | 16.64 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.62 | 176 | 302380  | 20.15 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.73 | 200 | 25549   | 10.29 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.47 | 188 | 479230  | 20.75 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.76 | 212 | 474163  | 18.50 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.60 | 264 | 382633  | 14.00 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Ovalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 6) Phenol                      | 7.19  | 94  | 135698 | 21.73 | ng/ul  | 89     |
| 10) 2-Chlorophenol             | 7.56  | 128 | 101378 | 21.42 | ng/ul  | 90     |
| 15) N-Nitroso-di-n-propylamine | 8.80  | 70  | 79562  | 20.68 | ng/ul# | 81     |
| 33) 4-Chloro-3-methylphenol    | 12.08 | 107 | 115855 | 20.76 | ng/ul  | 96     |
| 45) Dimethylphthalate          | 14.07 | 163 | 176378 | 10.60 | ng/ul  | 98     |
| 50) Acenaphthene               | 14.69 | 153 | 301100 | 20.65 | ng/ul  | 97     |
| 53) 4-Nitrophenol              | 14.84 | 109 | 41327  | 18.30 | ng/ul  | 91     |
| 55) 2,4-Dinitrotoluene         | 14.98 | 165 | 105810 | 21.24 | ng/ul# | 81     |
| 69) Pentachlorophenol          | 17.02 | 266 | 55432  | 16.68 | ng/ul  | 95     |
| 80) Pyrene                     | 19.78 | 202 | 625723 | 19.10 | ng/ul  | 99     |

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

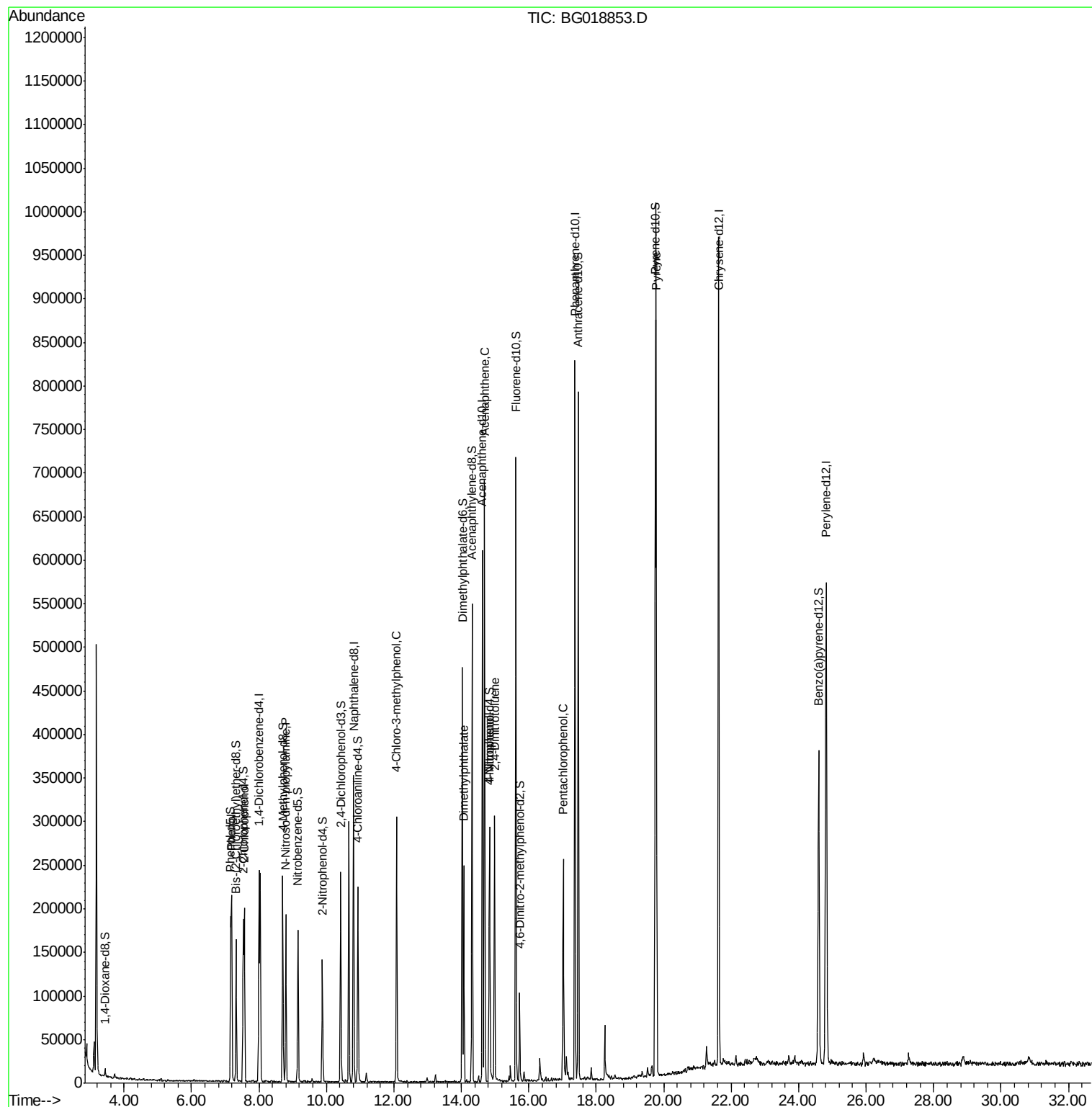
Data Path : Z:\HPCHEM1\BNA G\DATA\BG092315\  
Data File : BG018853.D  
Acq On : 23 Sep 2015 16:26  
Operator : UM/NP  
Sample : G3759-10MS  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

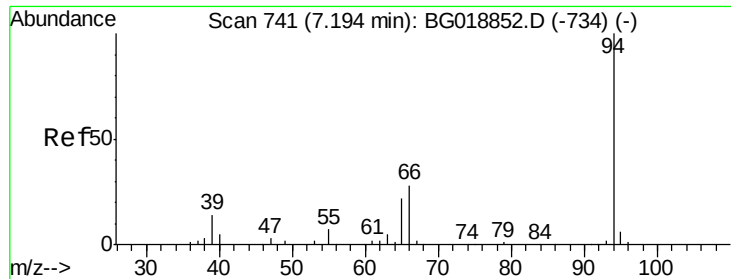
Instrument :  
BNA\_G  
ClientSampleId :  
JHAD3MS

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Quant Time: Sep 24 05:58:20 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Sep 24 04:11:41 2015  
Response via : Initial Calibration





#6

Phenol

Concen: 21.73 ng/ul

RT: 7.19 min Scan# 741

Delta R.T. -0.00 min

Lab File: BG018853.D

Acq: 23 Sep 2015 16:26

Instrument :

BNA\_G

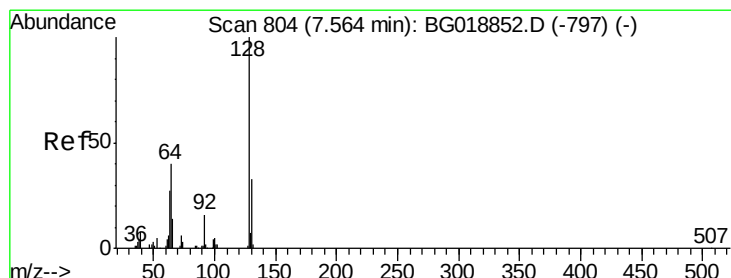
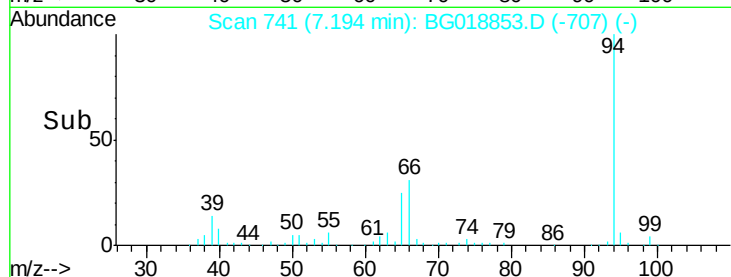
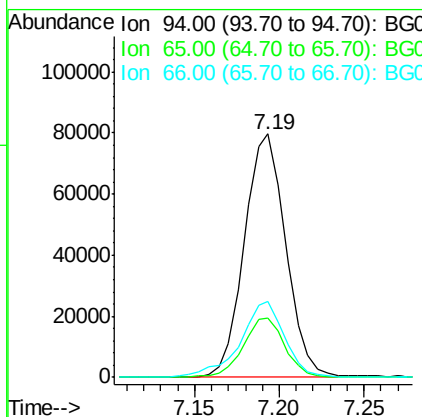
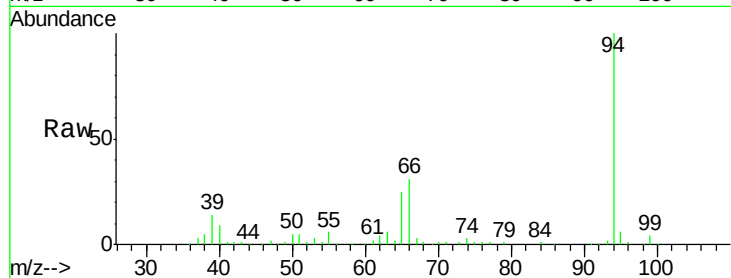
ClientSampleId :

JHAD3MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 94    | Resp: | 135698 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 24.6  | 23.0  | 34.6   |
| 66       | 31.1  | 31.0  | 46.4   |

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#10

2-Chlorophenol

Concen: 21.42 ng/ul

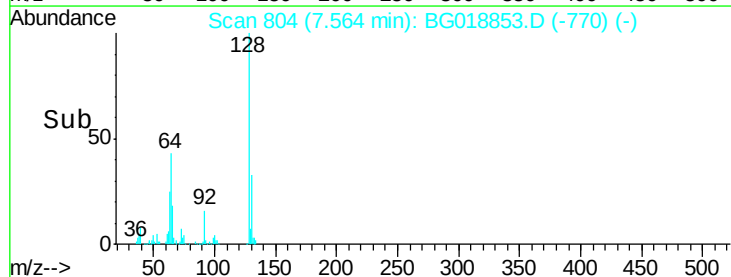
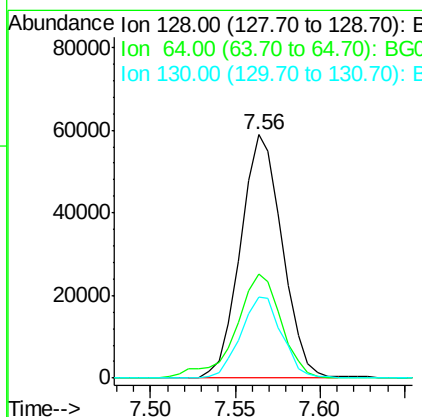
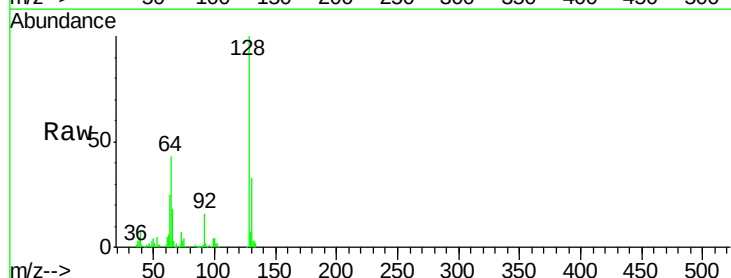
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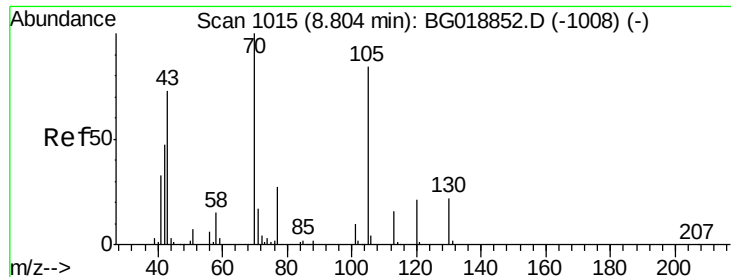
Delta R.T. -0.00 min

Lab File: BG018853.D

Acq: 23 Sep 2015 16:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 101378 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 64       | 42.6  | 40.9  | 61.3   |
| 130      | 33.4  | 24.5  | 36.7   |





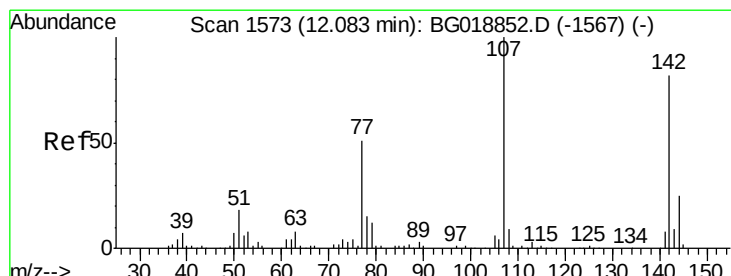
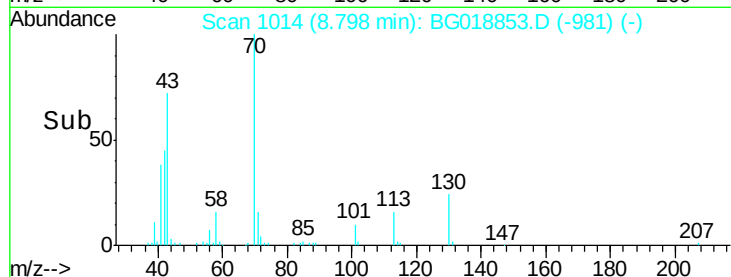
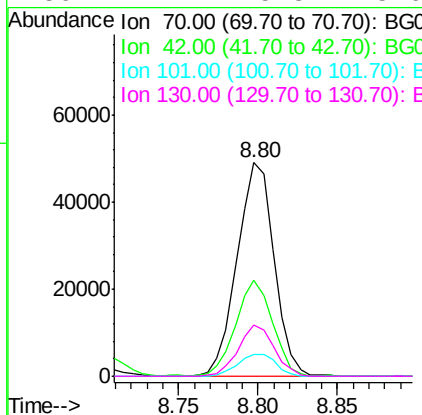
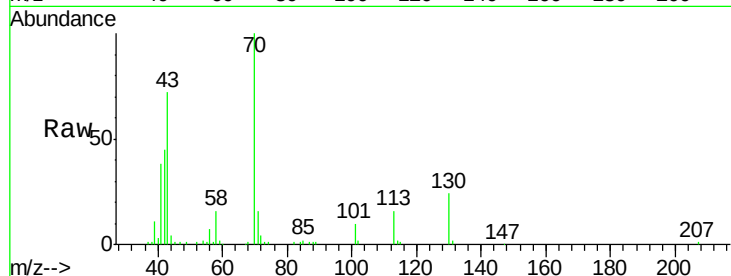
#15  
N-Nitroso-di-n-propylamine  
Concen: 20.68 ng/ul  
RT: 8.80 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BG018853.D  
Acq: 23 Sep 2015 16:26

Instrument :  
BNA\_G  
ClientSampleId :  
JHAD3MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 44.9 | 50.7  | 76.1# |       |
| 101     | 10.1 | 7.4   | 11.2  |       |
| 130     | 24.1 | 15.8  | 23.6# |       |

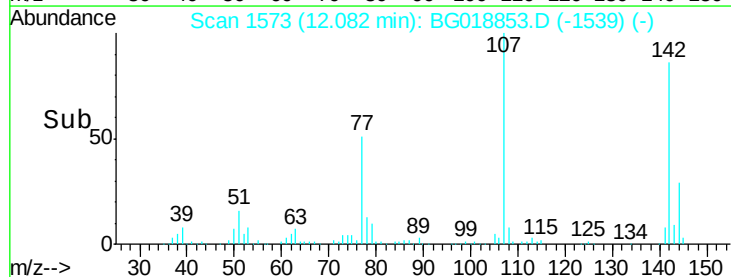
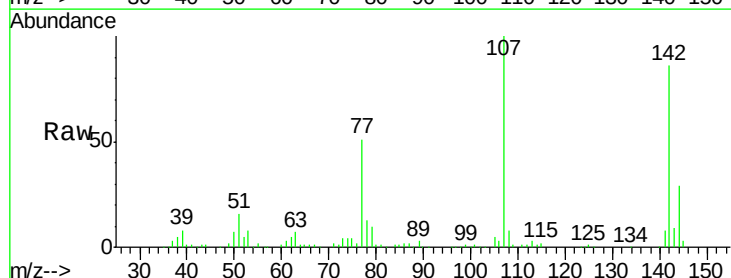
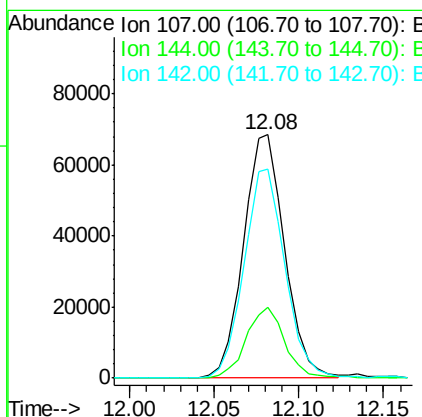
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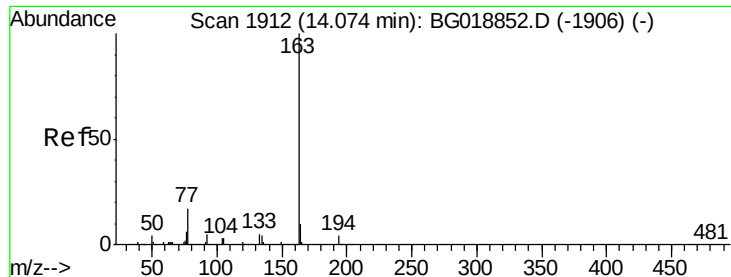
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#33  
4-Chloro-3-methylphenol  
Concen: 20.76 ng/ul  
RT: 12.08 min Scan# 1573  
Delta R.T. -0.00 min  
Lab File: BG018853.D  
Acq: 23 Sep 2015 16:26

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 144     | 29.0 | 21.4  | 32.2  |       |
| 142     | 85.7 | 66.0  | 99.0  |       |





#45

Dimethylphthalate

Concen: 10.60 ng/ul

RT: 14.07 min Scan# 1912

Delta R.T. -0.00 min

Lab File: BG018853.D

Acq: 23 Sep 2015 16:26

Instrument :

BNA\_G

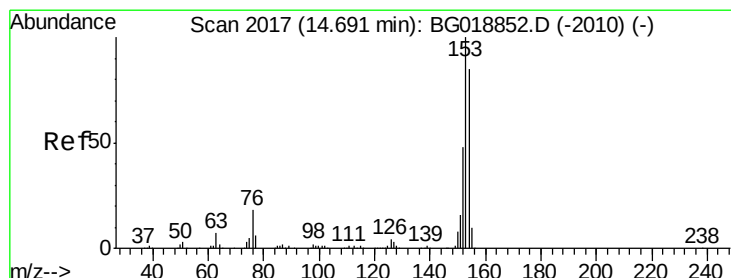
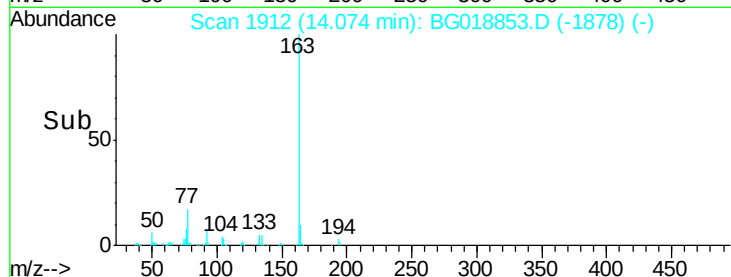
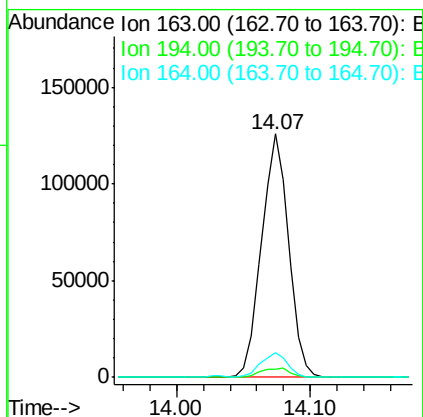
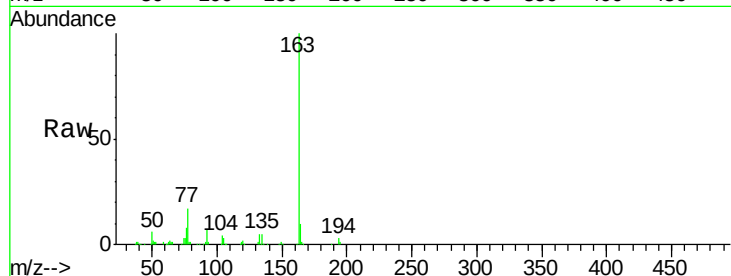
ClientSampleId :

JHAD3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 176378 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.1   | 2.9   | 4.3    |
| 164       | 10.3  | 7.7   | 11.5   |

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#50

Acenaphthene

Concen: 20.65 ng/ul

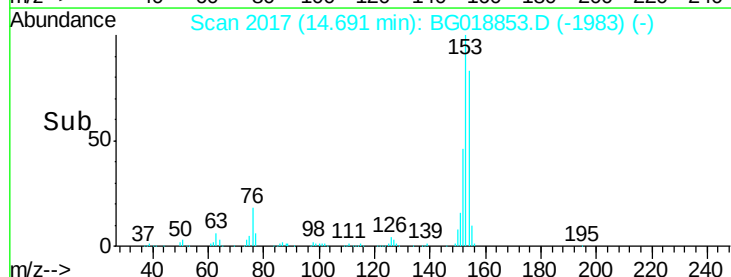
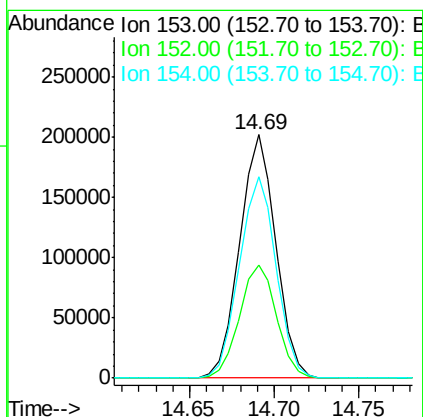
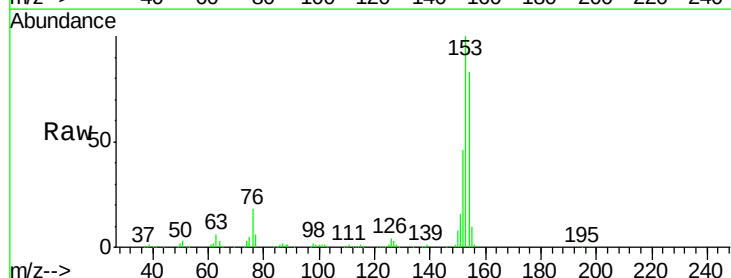
RT: 14.69 min Scan# 2017

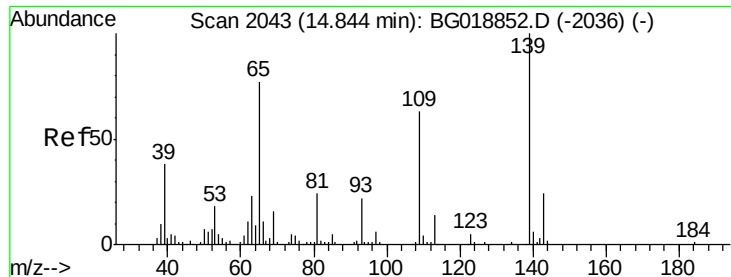
Delta R.T. -0.00 min

Lab File: BG018853.D

Acq: 23 Sep 2015 16:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 153   | Resp: | 301100 |
| Ion Ratio | Lower | Upper |        |
| 153       | 100   |       |        |
| 152       | 46.2  | 38.2  | 57.4   |
| 154       | 82.8  | 68.6  | 103.0  |





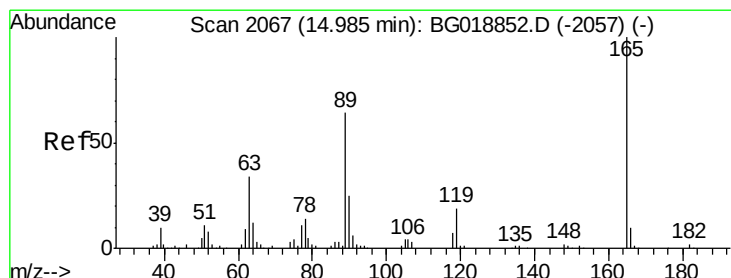
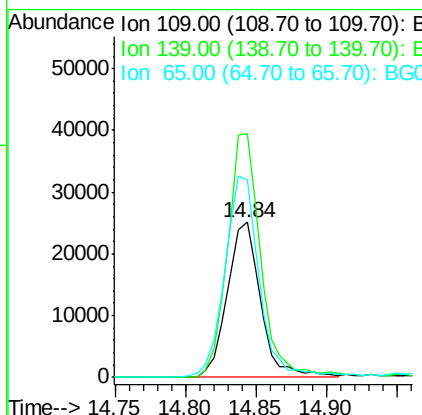
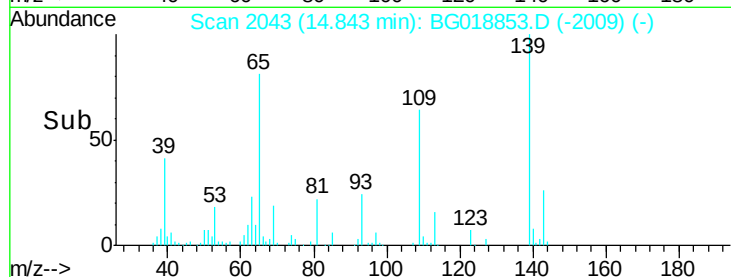
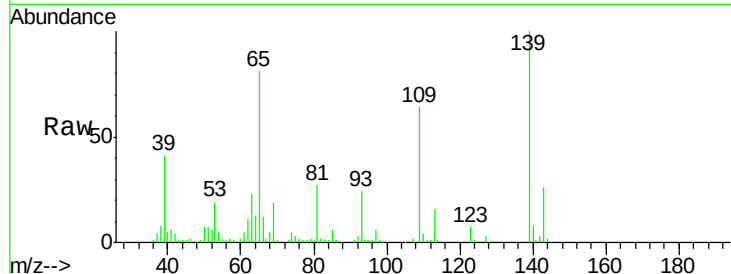
#53  
4-Nitrophenol  
Concen: 18.30 ng/ul  
RT: 14.84 min Scan# 2043  
Delta R.T. -0.00 min  
Lab File: BG018853.D  
Acq: 23 Sep 2015 16:26

Instrument :  
BNA\_G  
ClientSampled :  
JHAD3MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 109     | 100   | 41327 |       |       |
| 139     | 157.3 | 111.3 | 166.9 |       |
| 65      | 127.8 | 105.3 | 157.9 |       |

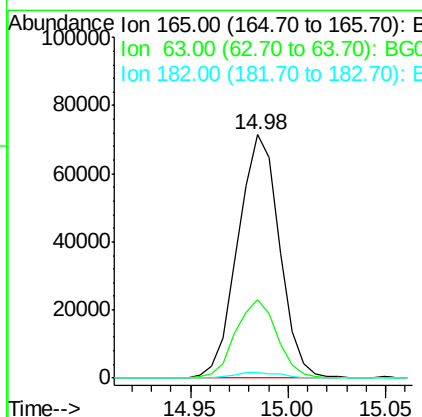
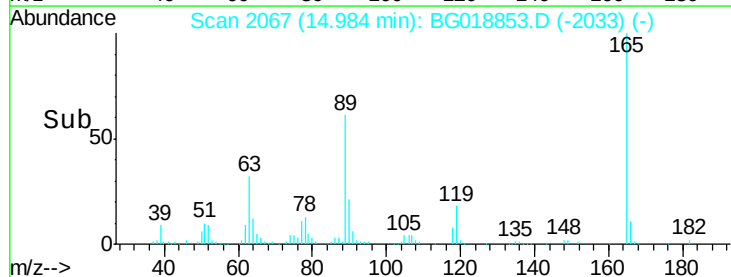
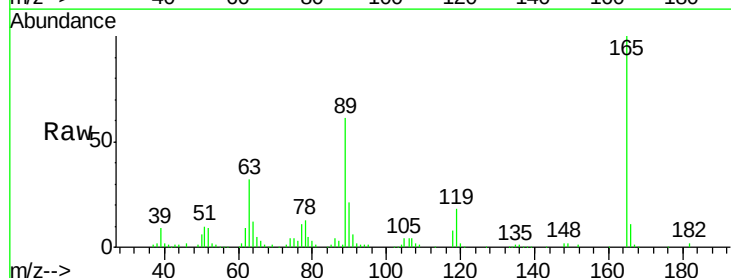
Manual Integrations  
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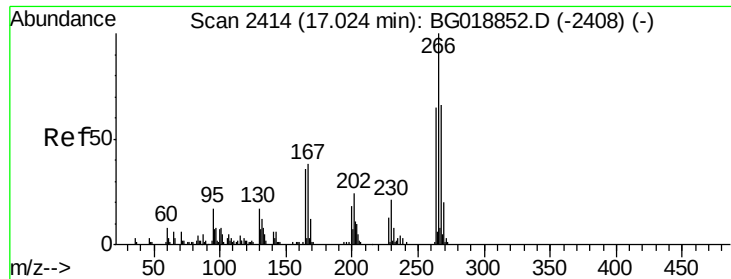
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#55  
2,4-Dinitrotoluene  
Concen: 21.24 ng/ul  
RT: 14.98 min Scan# 2067  
Delta R.T. -0.00 min  
Lab File: BG018853.D  
Acq: 23 Sep 2015 16:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 105810 |       |       |
| 63      | 32.5  | 36.7   | 55.1# |       |
| 182     | 2.2   | 2.2    | 3.2   |       |





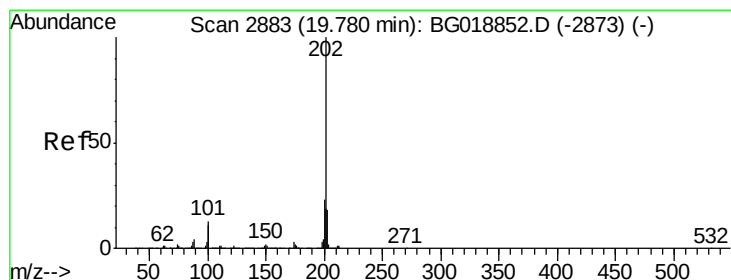
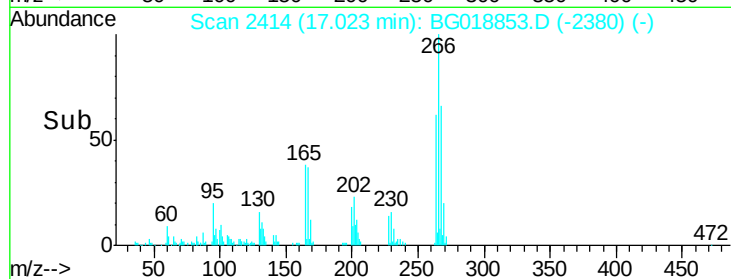
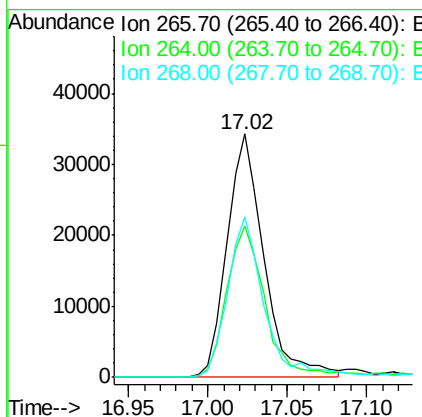
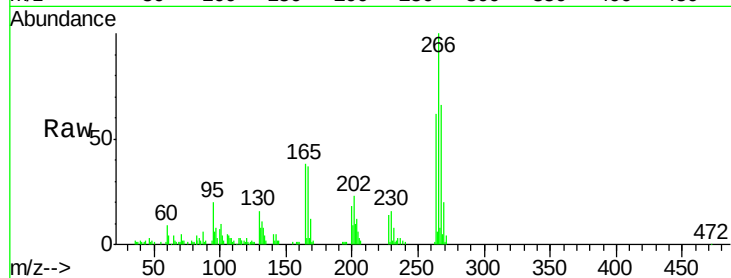
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 Pentachlorophenol  
 Concen: 16.68 ng/ul  
 RT: 17.02 min Scan# 2414  
 Delta R.T. -0.00 min  
 Lab File: BG018853.D  
 Acq: 23 Sep 2015 16:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHAD3MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 266   | Resp: | 55432 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 62.4  | 55.4  | 83.0  |
| 268       | 66.0  | 53.6  | 80.4  |

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#80  
 Pyrene  
 Concen: 19.10 ng/ul  
 RT: 19.78 min Scan# 2883  
 Delta R.T. -0.00 min  
 Lab File: BG018853.D  
 Acq: 23 Sep 2015 16:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 625723 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.5  | 11.0  | 16.4   |
| 100       | 11.5  | 9.8   | 14.6   |

