

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM032916\  
 Data File : BM004821.D  
 Acq On : 29 Mar 2016 15:11  
 Operator : UM/SJ  
 Sample : H1939-07MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9SG2MS

Manual Integrations  
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 3/30/2016 7:01:28 PM

Quant Time: Mar 30 03:21:31 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM031516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 30 02:30:53 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 67049    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.62 | 136  | 318285   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.46 | 164  | 193733   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.21 | 188  | 447487   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.39 | 240  | 486206   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.69 | 264  | 401845   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.32  | 96  | 1768    | 0.91  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 34414   | 6.25  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67  | 112700  | 36.09 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.36  | 132 | 116570  | 26.28 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.53  | 113 | 71817   | 16.17 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.98  | 128 | 76146   | 34.40 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.70  | 143 | 79964   | 33.45 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.23 | 165 | 133583  | 28.48 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.76 | 131 | 2050    | 0.37  | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.87 | 166 | 523854  | 34.59 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.16 | 160 | 627629  | 33.80 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.65 | 143 | 11596   | 3.96  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.46 | 176 | 449609  | 34.06 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.57 | 200 | 72467   | 30.81 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.30 | 188 | 713306m | 34.62 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.60 | 212 | 801395  | 36.11 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.54 | 264 | 707299  | 39.41 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 6) Phenol                      | 7.01  | 94  | 36639  | 6.32  | ng/ul  | 97     |
| 10) 2-Chlorophenol             | 7.39  | 128 | 114498 | 24.45 | ng/ul  | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.63  | 70  | 124541 | 35.37 | ng/ul  | 94     |
| 33) 4-Chloro-3-methylphenol    | 11.89 | 107 | 135040 | 24.70 | ng/ul  | 99     |
| 50) Acenaphthene               | 14.53 | 153 | 414524 | 30.86 | ng/ul  | 99     |
| 53) 4-Nitrophenol              | 14.66 | 109 | 9849   | 4.15  | ng/ul# | 90     |
| 55) 2,4-Dinitrotoluene         | 14.83 | 165 | 135532 | 32.83 | ng/ul  | 93     |
| 69) Pentachlorophenol          | 16.86 | 266 | 91186  | 27.79 | ng/ul  | 99     |
| 80) Pyrene                     | 19.63 | 202 | 970652 | 32.94 | ng/ul  | 99     |

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

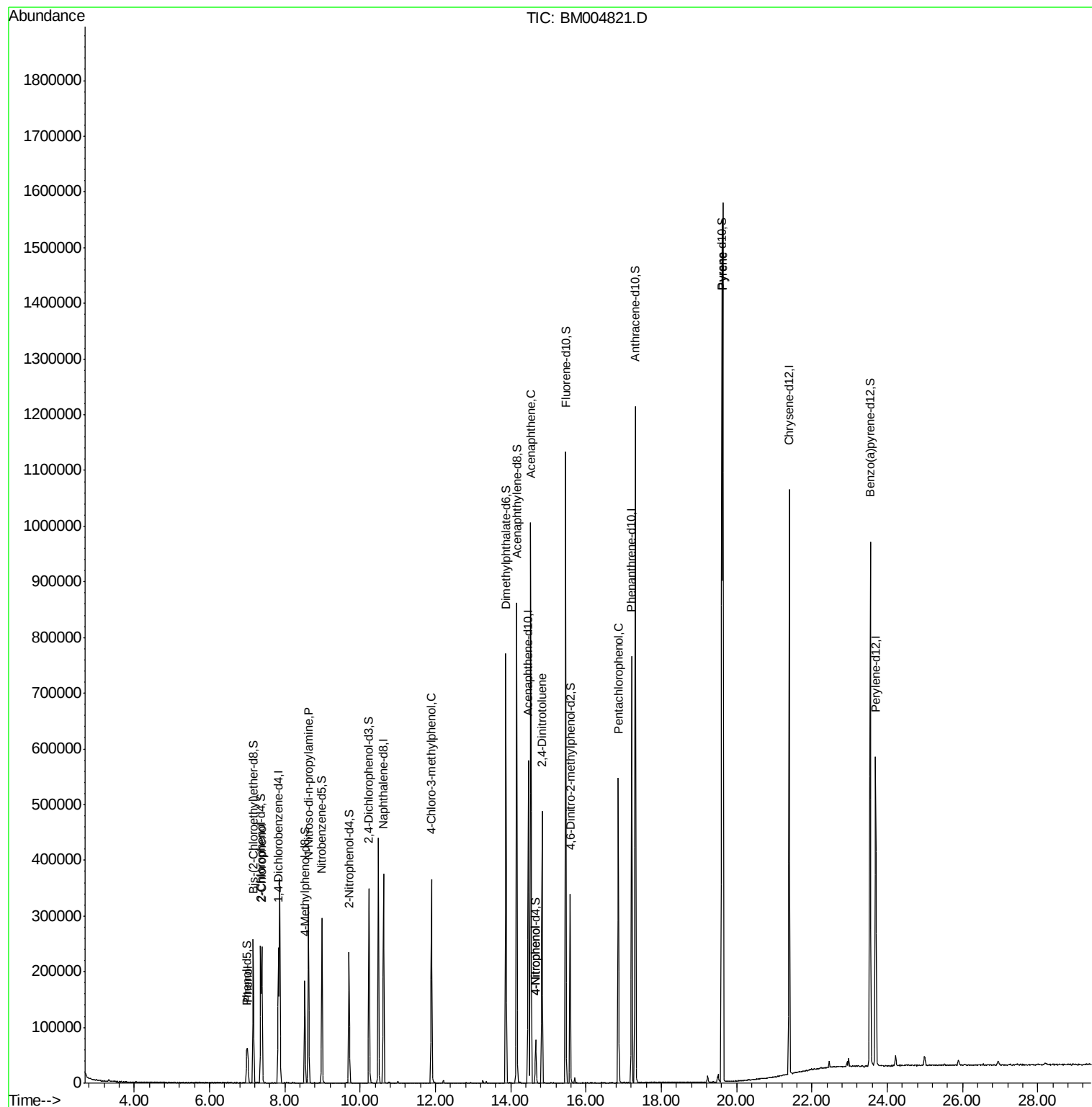
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM032916\  
Data File : BM004821.D  
Acq On : 29 Mar 2016 15:11  
Operator : UM/SJ  
Sample : H1939-07MS  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

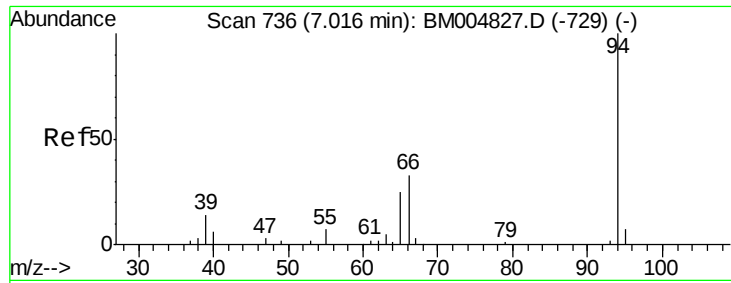
Instrument :  
BNA\_M  
ClientSampleId :  
D9SG2MS

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Quant Time: Mar 30 03:21:31 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM031516.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Mar 30 02:30:53 2016  
Response via : Initial Calibration





#6

Phenol

Concen: 6.32 ng/ul

RT: 7.01 min Scan# 735

Delta R.T. -0.00 min

Lab File: BM004821.D

Acq: 29 Mar 2016 15:11

Instrument :

BNA\_M

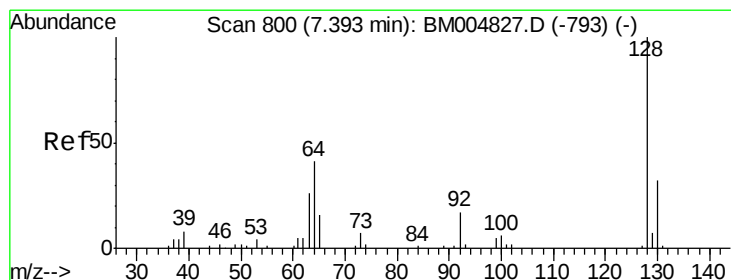
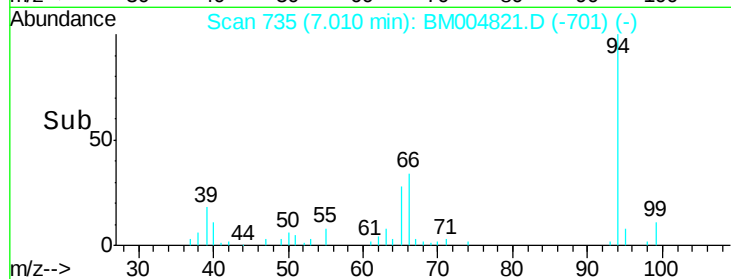
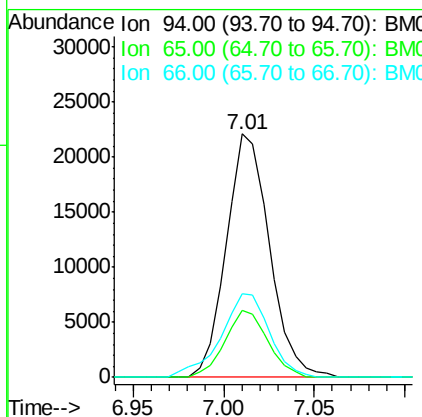
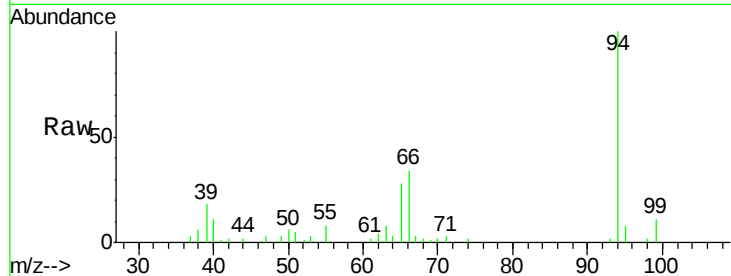
ClientSampleId :

D9SG2MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 36639 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 27.5  | 21.0  | 31.6  |
| 66        | 34.1  | 29.3  | 43.9  |

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#10

2-Chlorophenol

Concen: 24.45 ng/ul

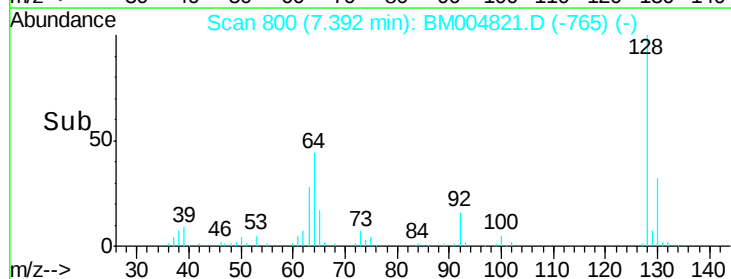
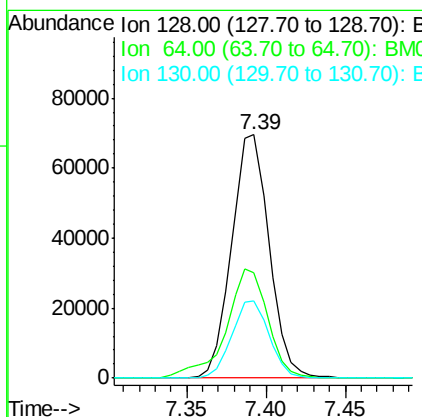
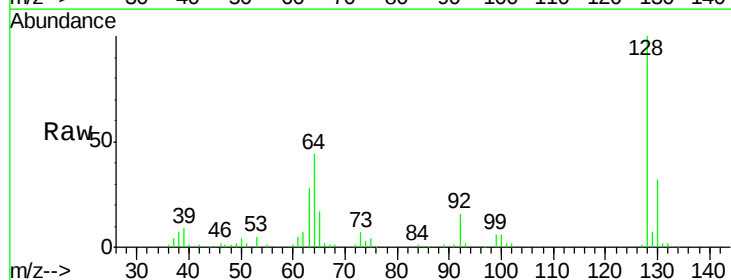
RT: 7.39 min Scan# 800

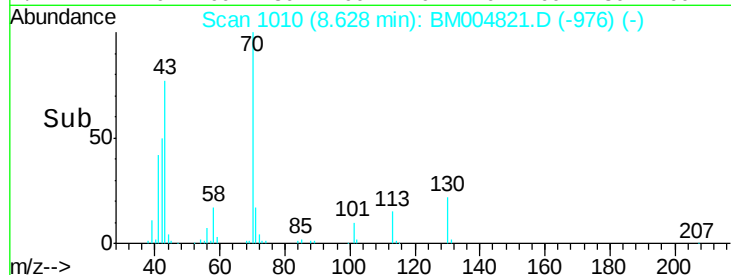
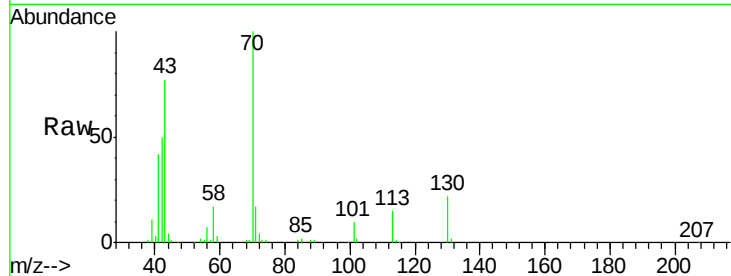
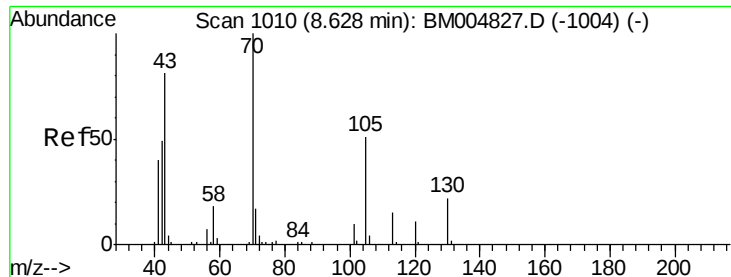
Delta R.T. 0.01 min

Lab File: BM004821.D

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 114498 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 64        | 43.5  | 31.9  | 47.9   |
| 130       | 31.8  | 25.6  | 38.4   |





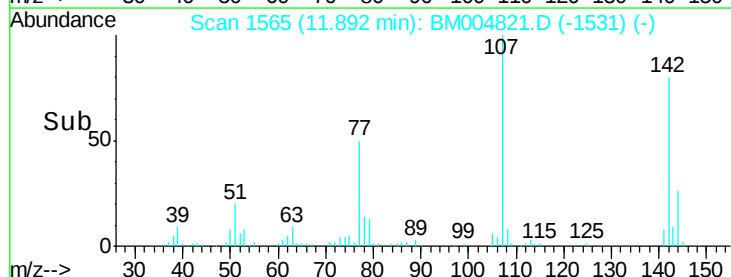
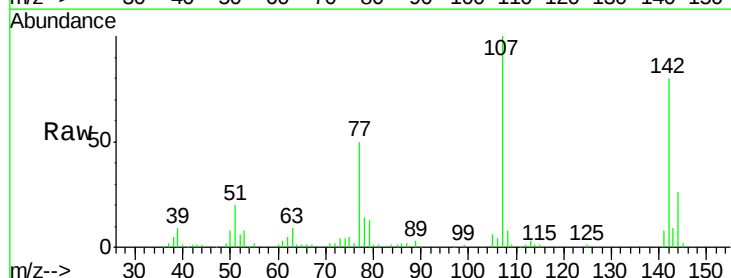
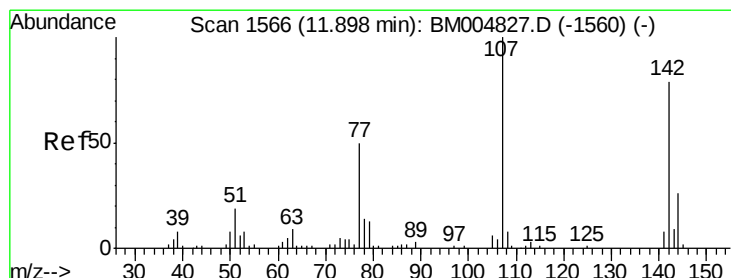
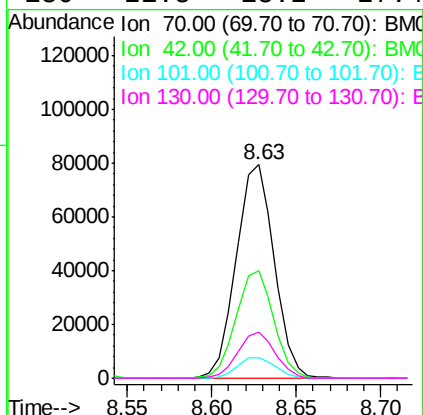
#15  
N-Nitroso-di-n-propylamine  
Concen: 35.37 ng/ul  
RT: 8.63 min Scan# 1010  
Delta R.T. -0.00 min  
Lab File: BM004821.D  
Acq: 29 Mar 2016 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
D9SG2MS

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 50.3 | 35.4  | 53.0  |       |
| 101     | 9.9  | 8.4   | 12.6  |       |
| 130     | 21.8 | 18.2  | 27.4  |       |

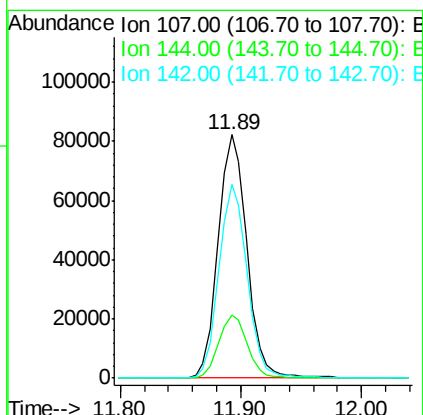
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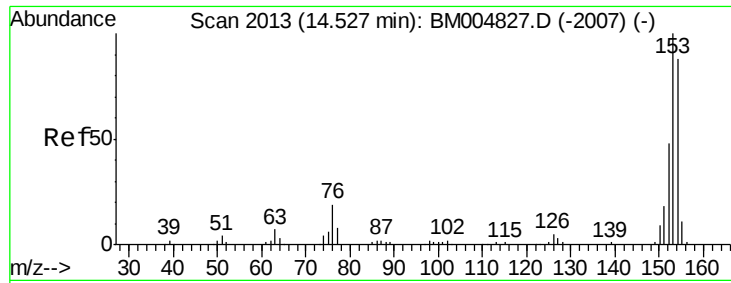
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#33  
4-Chloro-3-methylphenol  
Concen: 24.70 ng/ul  
RT: 11.89 min Scan# 1565  
Delta R.T. -0.00 min  
Lab File: BM004821.D  
Acq: 29 Mar 2016 15:11

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 144     | 25.9 | 20.4  | 30.6  |       |
| 142     | 79.6 | 62.5  | 93.7  |       |





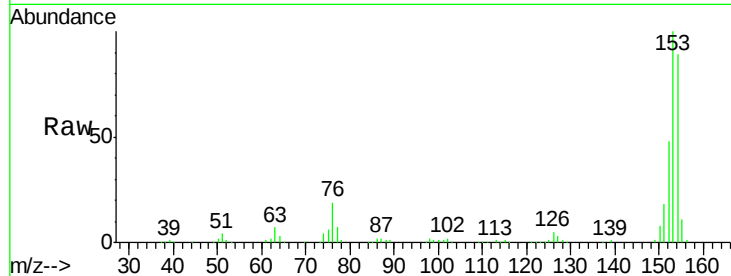
#50  
Acenaphthene  
Concen: 30.86 ng/ul  
RT: 14.53 min Scan# 2013  
Delta R.T. -0.00 min  
Lab File: BM004821.D  
Acq: 29 Mar 2016 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
D9SG2MS

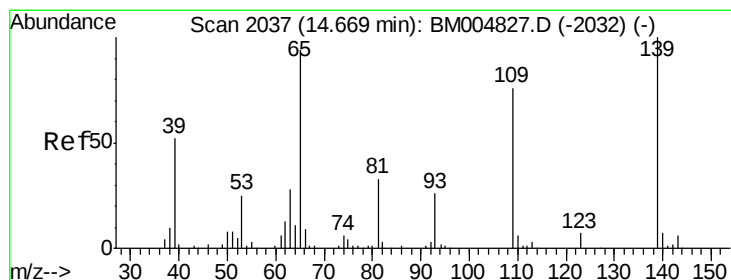
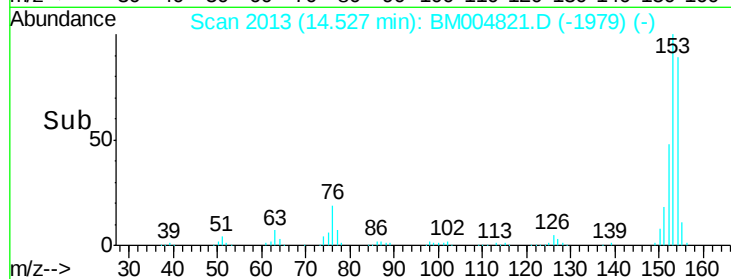
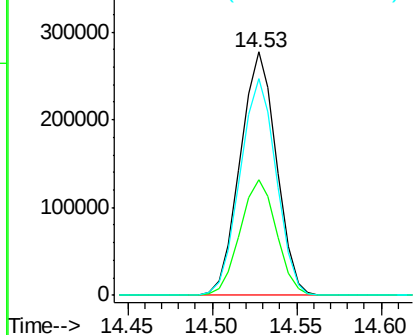
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 47.6  | 38.3  | 57.5  |
| 154     | 89.0  | 71.8  | 107.8 |

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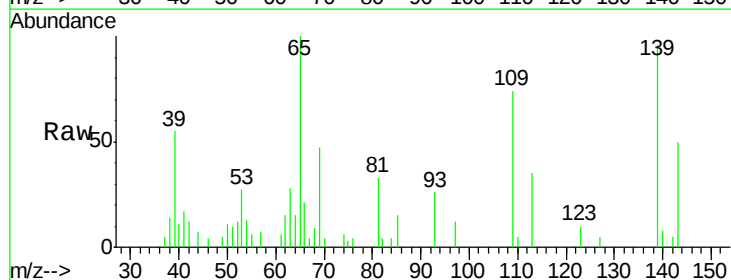


Abundance Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E  
Ion 154.00 (153.70 to 154.70): E

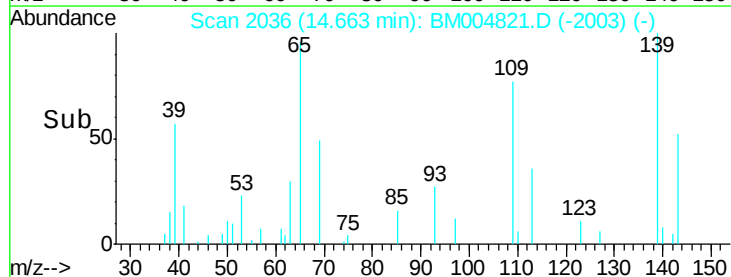
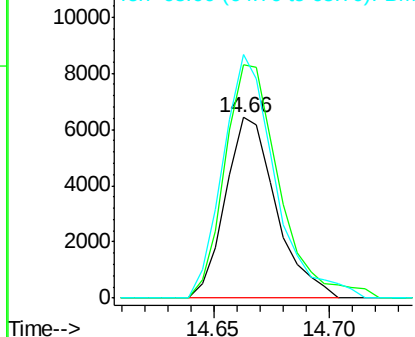


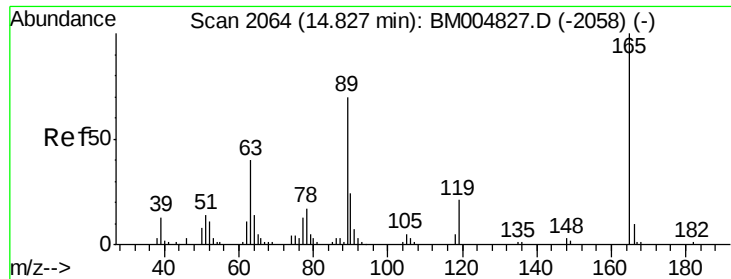
#53  
4-Nitrophenol  
Concen: 4.15 ng/ul  
RT: 14.66 min Scan# 2036  
Delta R.T. -0.01 min  
Lab File: BM004821.D  
Acq: 29 Mar 2016 15:11

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 109     | 100   |       |        |
| 139     | 129.7 | 103.7 | 155.5  |
| 65      | 135.0 | 89.4  | 134.2# |



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





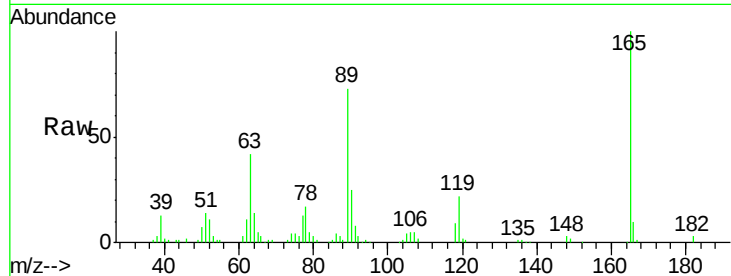
#55  
 2,4-Dinitrotoluene  
 Concen: 32.83 ng/ul  
 RT: 14.83 min Scan# 2064  
 Delta R.T. 0.01 min  
 Lab File: BM004821.D  
 Acq: 29 Mar 2016 15:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9SG2MS

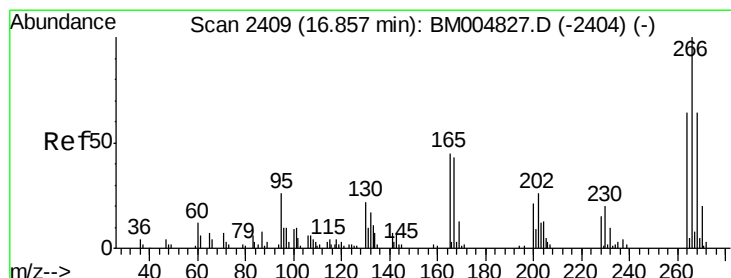
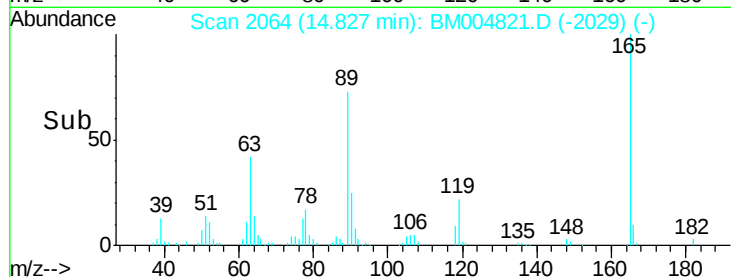
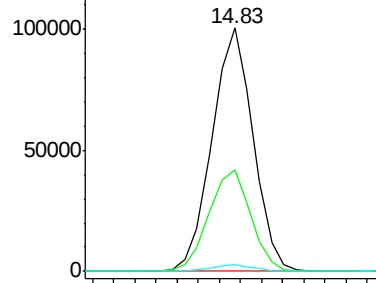
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 165     | 100   |            |            |
| 63      | 41.8  | 29.8       | 44.6       |
| 182     | 2.9   | 2.2        | 3.4        |

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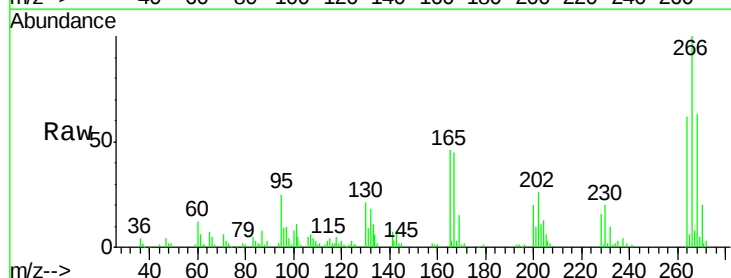


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BM004821.D (-2058) (-)  
 Ion 182.00 (181.70 to 182.70): E

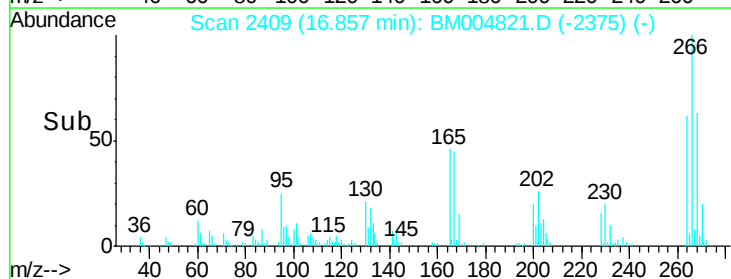
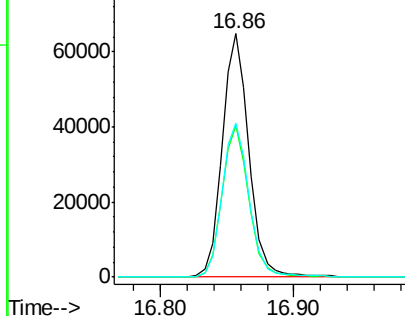


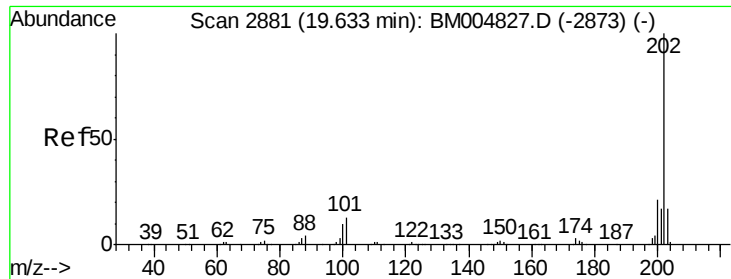
#69  
 Pentachlorophenol  
 Concen: 27.79 ng/ul  
 RT: 16.86 min Scan# 2409  
 Delta R.T. -0.00 min  
 Lab File: BM004821.D  
 Acq: 29 Mar 2016 15:11

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 266     | 100   |            |            |
| 264     | 62.3  | 50.5       | 75.7       |
| 268     | 63.4  | 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





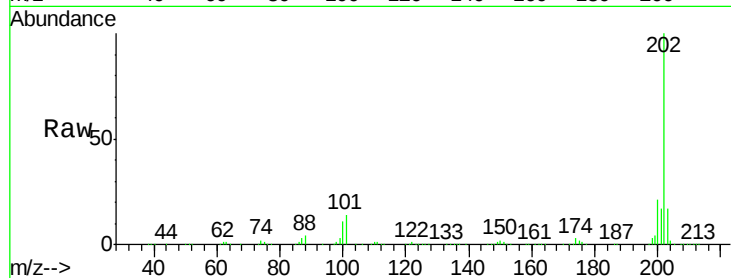
#80  
 Pyrene  
 Concen: 32.94 ng/ul  
 RT: 19.63 min Scan# 2881  
 Delta R.T. 0.01 min  
 Lab File: BM004821.D  
 Acq: 29 Mar 2016 15:11

Instrument :  
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| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 13.6  | 10.2       | 15.2       |
| 100     | 10.6  | 8.5        | 12.7       |

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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

