

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031716\  
 Data File : BM004674.D  
 Acq On : 17 Mar 2016 19:47  
 Operator : UM/SJ  
 Sample : H1783-11DL 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Mar 18 05:08:42 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM031516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 18 05:06:10 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 52662    | 20.00 | ng/ul | 0.02     |
| 18) Naphthalene-d8        | 10.66 | 136  | 285675   | 20.00 | ng/ul | 0.02     |
| 36) Acenaphthene-d10      | 14.47 | 164  | 151558   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.22 | 188  | 335733   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.40 | 240  | 366074   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.70 | 264  | 352074   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.33  | 96  | 1103   | 0.72  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.00  | 99  | 19357  | 4.47  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.18  | 67  | 56332  | 22.97 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.38  | 132 | 61362  | 17.61 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.54  | 113 | 37474  | 10.74 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.00  | 128 | 35086  | 17.66 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.72  | 143 | 35882  | 16.72 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.26 | 165 | 69674  | 16.55 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 916    | 0.18  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.88 | 166 | 218509 | 18.44 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.17 | 160 | 273463 | 18.83 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.66 | 143 | 5705   | 2.49  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.47 | 176 | 191276 | 18.52 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 23603  | 13.38 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.32 | 188 | 290181 | 18.77 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.61 | 212 | 325011 | 19.45 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.56 | 264 | 327440 | 20.82 | ng/ul | 0.00 |

## Target Compounds

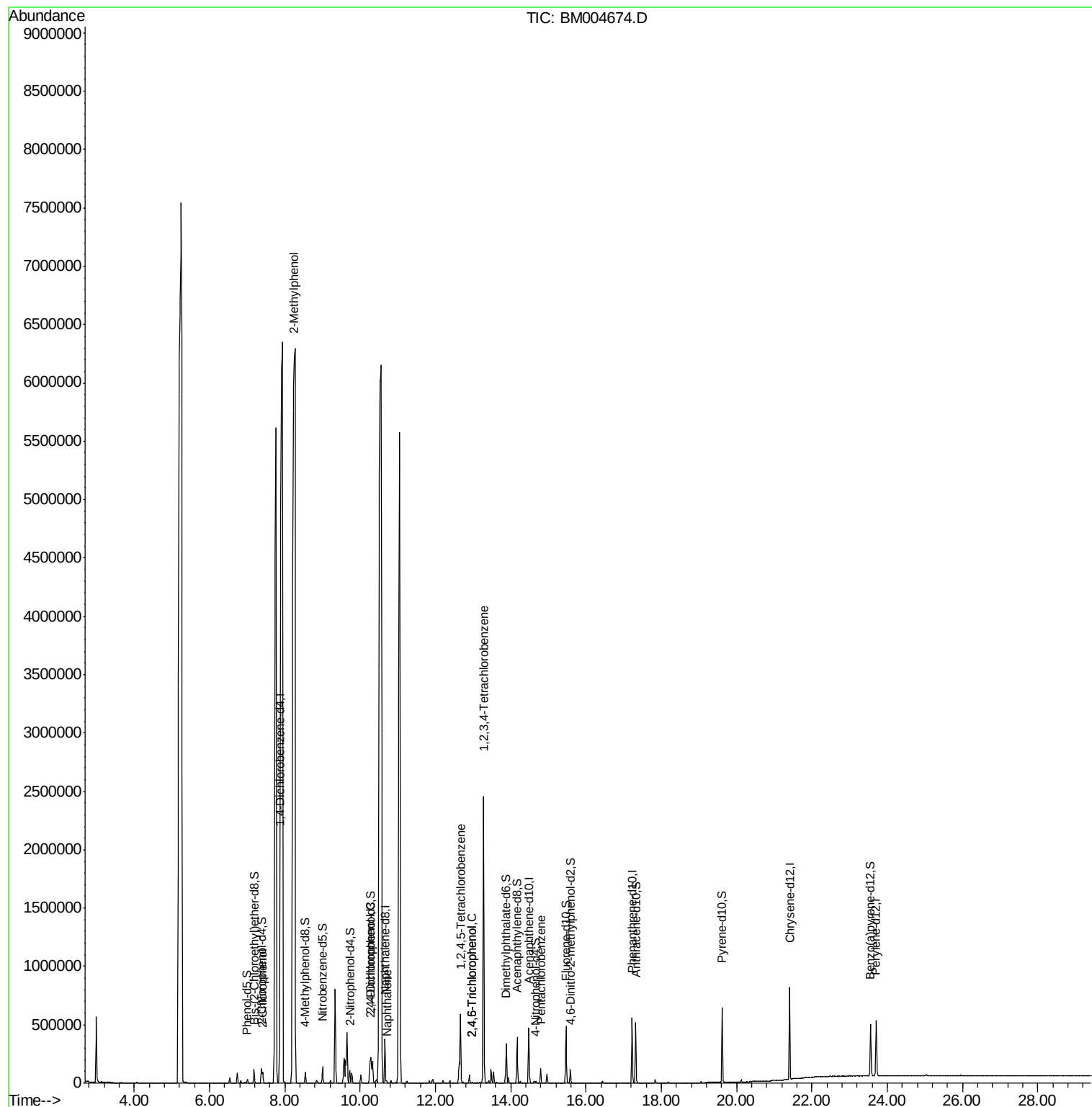
|                                |       |     |        |        |       | Ovalue |
|--------------------------------|-------|-----|--------|--------|-------|--------|
| 10) 2-Chlorophenol             | 7.41  | 128 | 45445  | 12.36  | ng/ul | 93     |
| 11) 2-Methylphenol             | 8.23  | 108 | 30100  | 8.60   | ng/ul | 97     |
| 27) 2,4-Dichlorophenol         | 10.29 | 162 | 84618  | 19.51  | ng/ul | 99     |
| 28) Naphthalene                | 10.70 | 128 | 19298  | 1.30   | ng/ul | 97     |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.66 | 216 | 180297 | 37.24  | ng/ul | 99     |
| 39) 2,4,6-Trichlorophenol      | 12.97 | 196 | 3626   | 1.13   | ng/ul | 94     |
| 40) 2,4,5-Trichlorophenol      | 12.97 | 196 | 3626   | 1.05   | ng/ul | 94     |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.27 | 216 | 774181 | 167.60 | ng/uL | 99     |
| 74) Pentachlorobenzene         | 14.79 | 250 | 31742  | 7.12   | ng/ul | 97     |

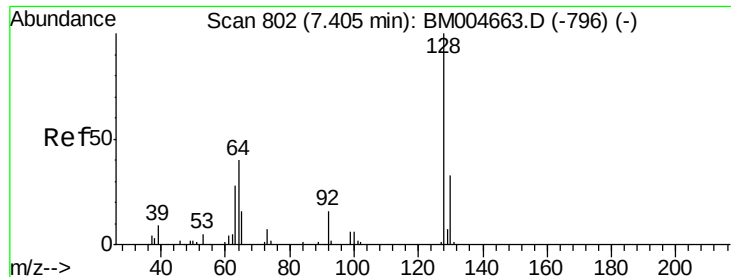
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031716\  
Data File : BM004674.D  
Acq On : 17 Mar 2016 19:47  
Operator : UM/SJ  
Sample : H1783-11DL 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Mar 18 05:08:42 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM031516.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 18 05:06:10 2016  
Response via : Initial Calibration

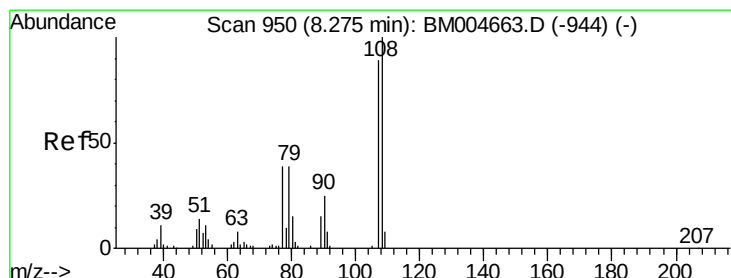
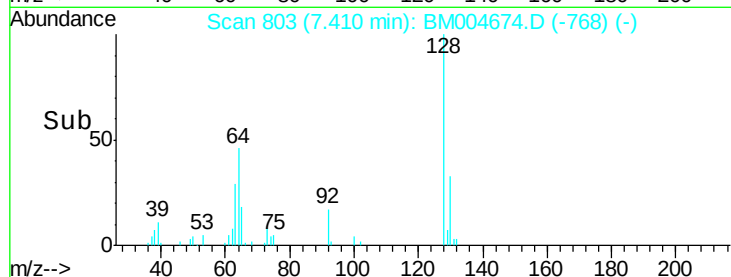
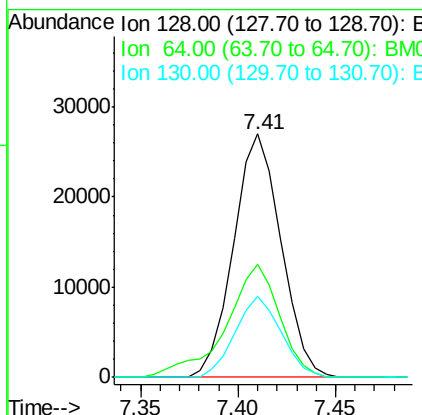
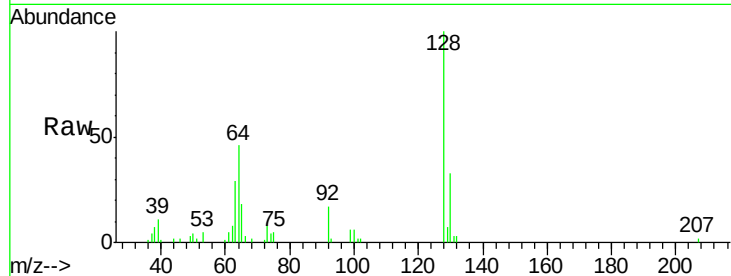




#10  
2-Chlorophenol  
Concen: 12.36 na/ul  
RT: 7.41 min Scan# 803  
Delta R.T. 0.01 min  
Lab File: BM004674.D  
Acq: 17 Mar 2016 19:47

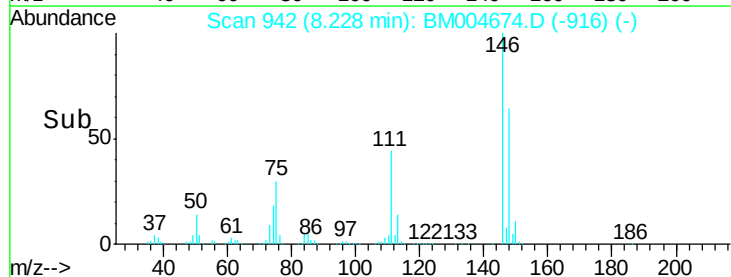
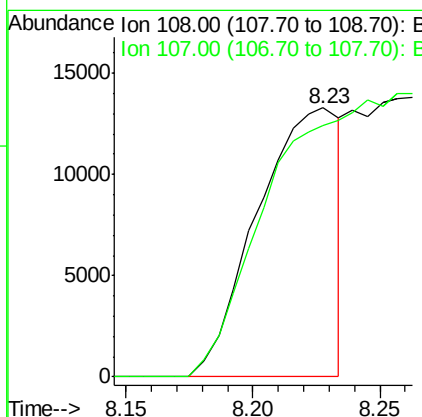
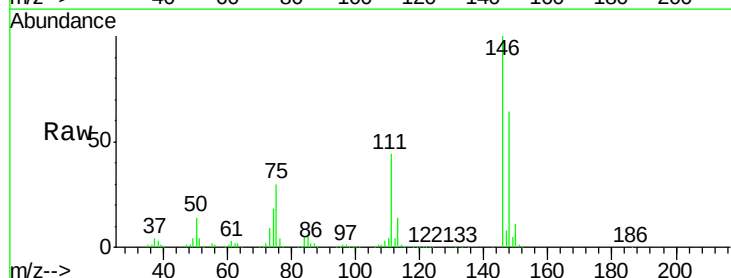
Instrument :  
BNA\_M  
ClientSampleId :

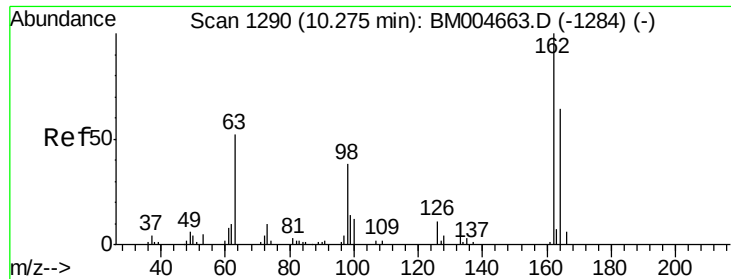
Tot Ion:128 Resp: 45445  
Ion Ratio Lower Upper  
128 100  
64 46.2 31.9 47.9  
130 33.1 25.6 38.4



#11  
2-Methylphenol  
Concen: 8.60 ng/ul  
RT: 8.23 min Scan# 942  
Delta R.T. -0.05 min  
Lab File: BM004674.D  
Acq: 17 Mar 2016 19:47

Tgt Ion:108 Resp: 30100  
Ion Ratio Lower Upper  
108 100  
107 93.7 72.4 108.6

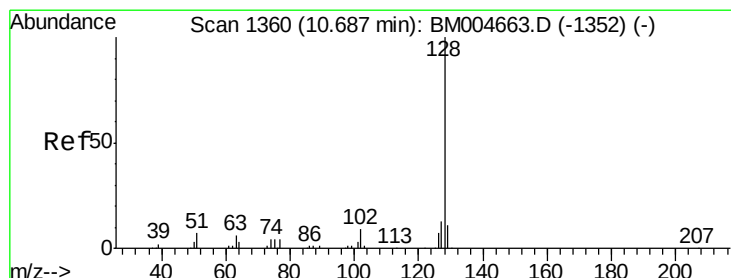
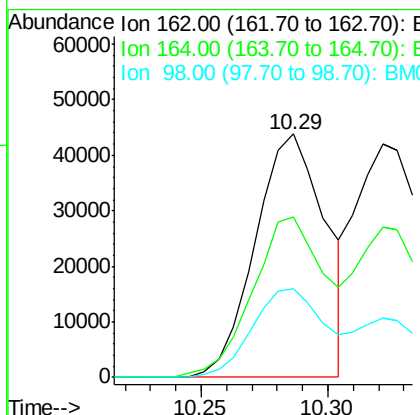
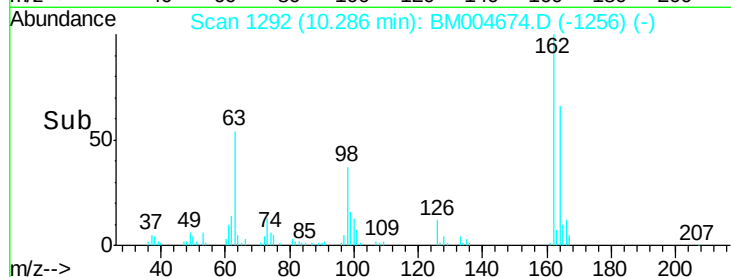
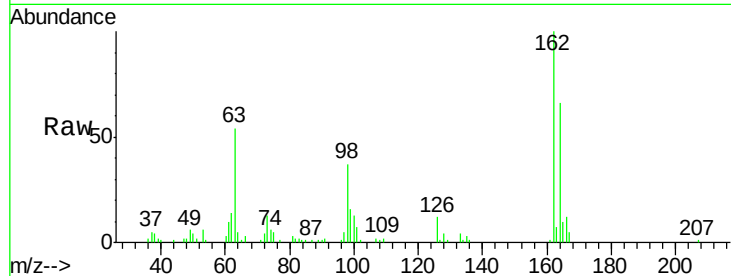




#27  
 2,4-Dichlorophenol  
 Concen: 19.51 ng/ul  
 RT: 10.29 min Scan# 1292  
 Delta R.T. 0.01 min  
 Lab File: BM004674.D  
 Acq: 17 Mar 2016 19:47

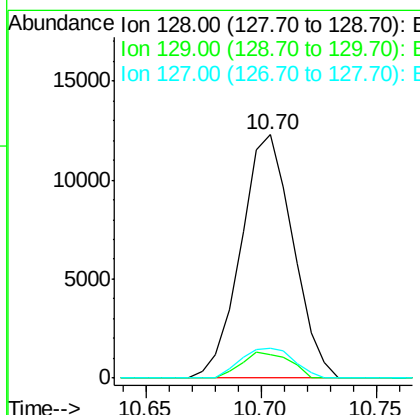
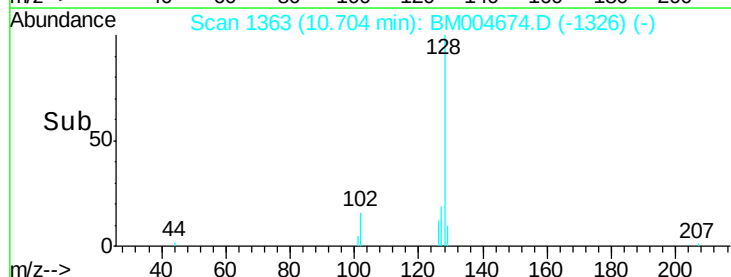
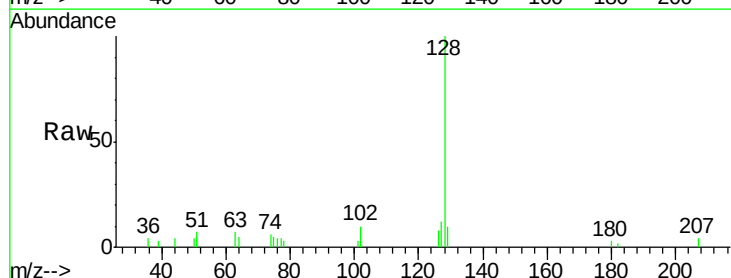
Instrument :  
 BNA\_M  
 ClientSampled :

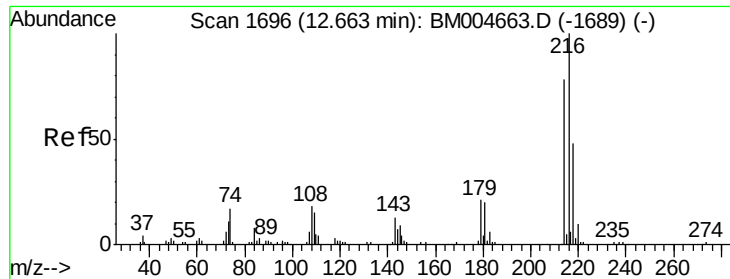
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.8  | 52.1  | 78.1  |
| 98      | 36.5  | 28.4  | 42.6  |



#28  
 Naphthalene  
 Concen: 1.30 ng/ul  
 RT: 10.70 min Scan# 1363  
 Delta R.T. 0.02 min  
 Lab File: BM004674.D  
 Acq: 17 Mar 2016 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 9.5   | 8.8   | 13.2  |
| 127     | 12.3  | 10.5  | 15.7  |

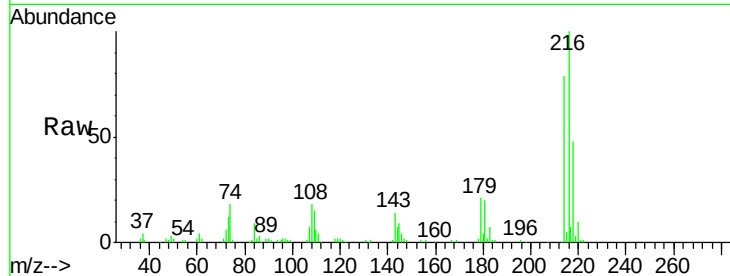




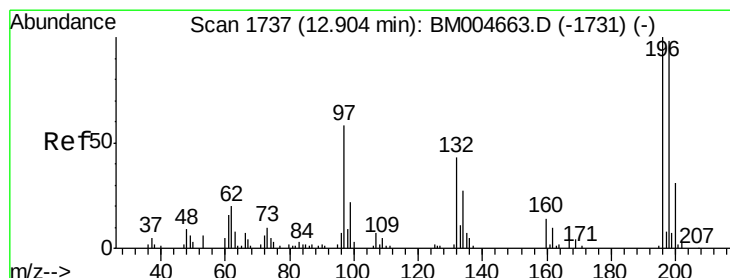
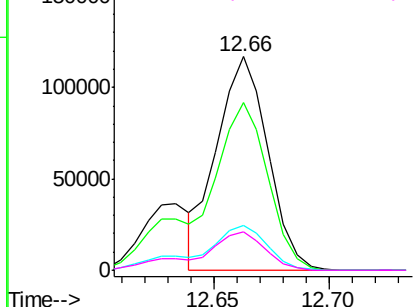
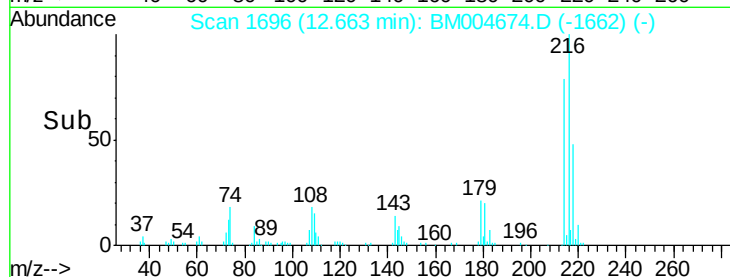
#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 37.24 ng/ul  
 RT: 12.66 min Scan# 1696  
 Delta R.T. -0.00 min  
 Lab File: BM004674.D  
 Acq: 17 Mar 2016 19:47

Instrument :  
 BNA\_M  
 ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:216 | Resp: | 180297    |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 78.6  | 62.5 93.7 |
| 179         | 20.7  | 18.2 27.2 |
| 108         | 18.0  | 14.2 21.2 |

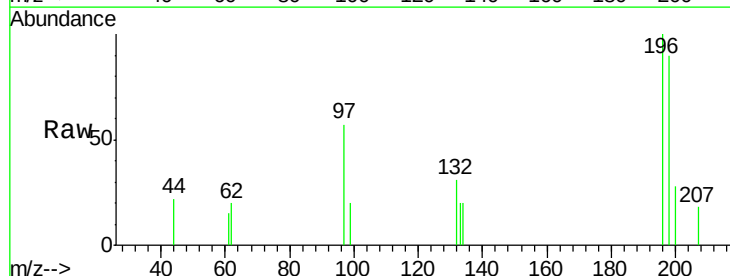


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

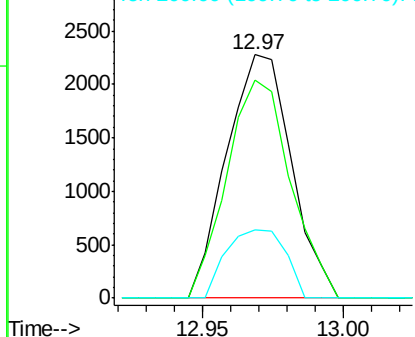
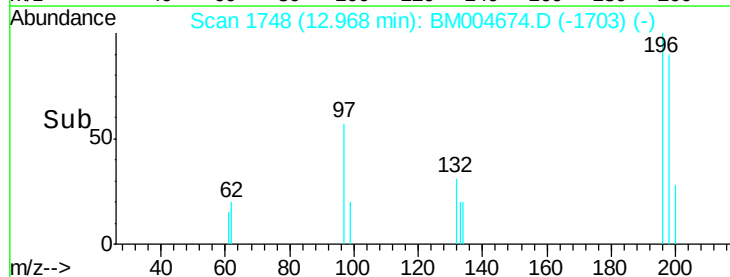


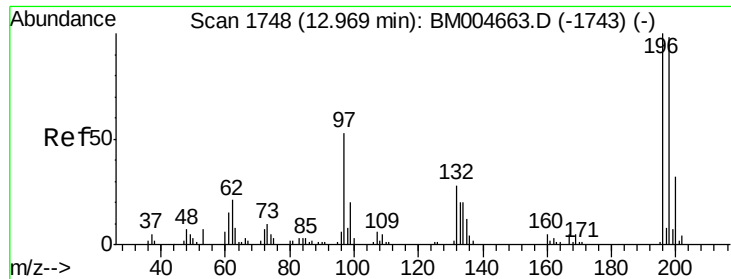
#39  
 2,4,6-Trichlorophenol  
 Concen: 1.13 ng/ul  
 RT: 12.97 min Scan# 1748  
 Delta R.T. 0.06 min  
 Lab File: BM004674.D  
 Acq: 17 Mar 2016 19:47

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 3626       |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 89.8  | 76.6 114.8 |
| 200         | 27.9  | 24.7 37.1  |



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

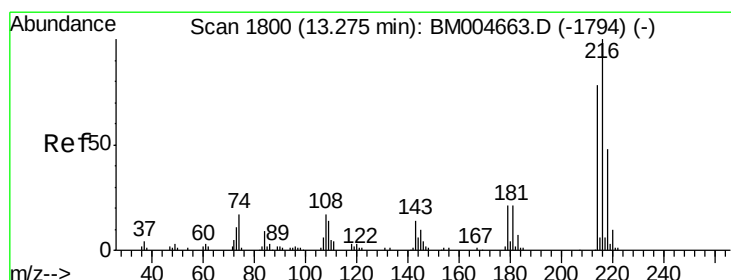
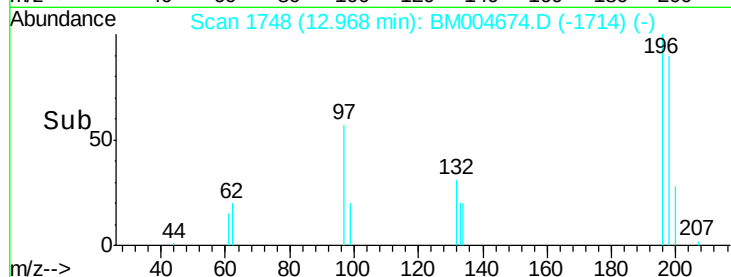
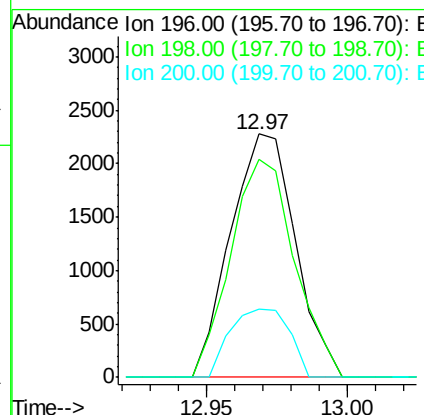
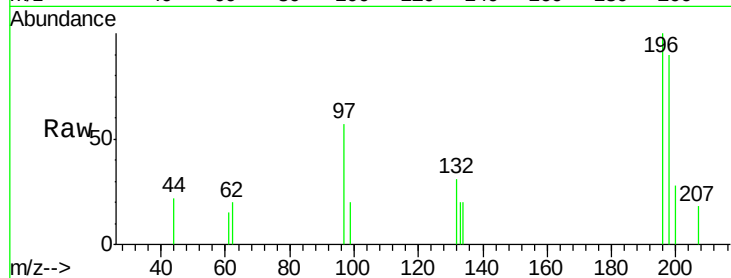




#40  
 2,4,5-Trichlorophenol  
 Concen: 1.05 ng/ul  
 RT: 12.97 min Scan# 1748  
 Delta R.T. -0.00 min  
 Lab File: BM004674.D  
 Acq: 17 Mar 2016 19:47

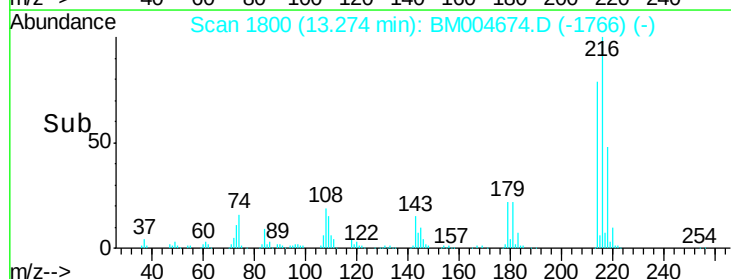
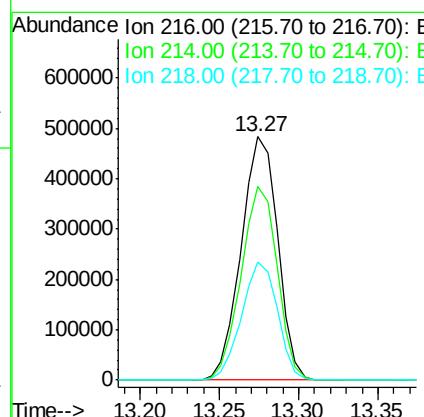
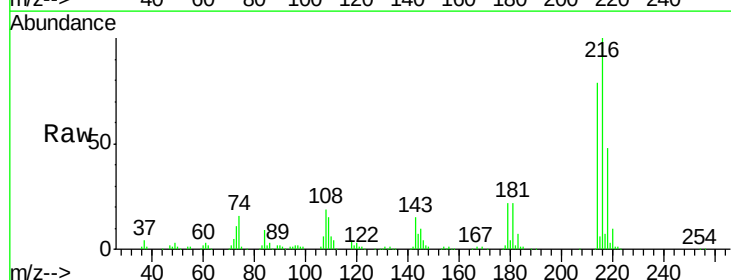
Instrument :  
 BNA\_M  
 ClientSampleId :

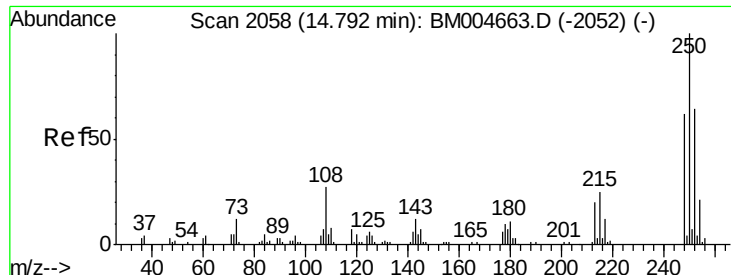
Tot Ion:196 Resp: 3626  
 Ion Ratio Lower Upper  
 196 100  
 198 89.8 76.9 115.3  
 200 27.9 25.0 37.4



#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 167.60 ng/uL  
 RT: 13.27 min Scan# 1800  
 Delta R.T. -0.00 min  
 Lab File: BM004674.D  
 Acq: 17 Mar 2016 19:47

Tgt Ion:216 Resp: 774181  
 Ion Ratio Lower Upper  
 216 100  
 214 79.4 62.5 93.7  
 218 48.4 38.4 57.6





#74

Pentachlorobenzene

Concen: 7.12 ng/uL

RT: 14.79 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BM004674.D

Acq: 17 Mar 2016 19:47

Instrument :

BNA\_M

ClientSampleId :

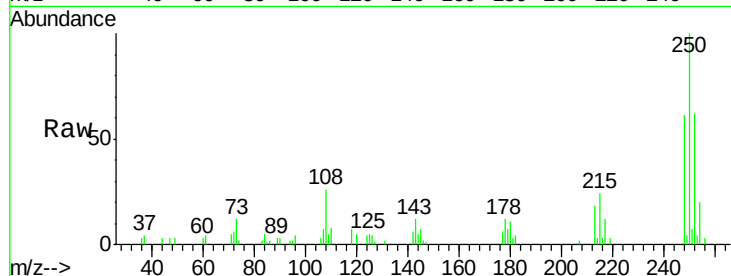
Tot Ion:250 Resp: 31742

Ion Ratio Lower Upper

250 100

248 60.7 50.6 75.8

252 62.2 51.4 77.0



Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E

