

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032419\  
 Data File : BM019392.D  
 Acq On : 24 Mar 2019 15:13  
 Operator : JU/SJ  
 Sample : K2027-06DL 20X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Mar 25 03:03:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 25 02:03:45 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 113266   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.39 | 136  | 454495   | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.26 | 164  | 252592   | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 17.03 | 188  | 558343   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 629163   | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 23.44 | 264  | 697901   | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |       |      |       |       |
|--------------------------------|-------|-----|-------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0     | 0.00 | ng/uL |       |
| 5) Phenol-d5                   | 6.82  | 99  | 1180  | 0.12 | ng/ul | 0.02  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.97  | 67  | 7080  | 1.05 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 7844  | 1.03 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 2566  | 0.34 | ng/ul | 0.04  |
| 19) Nitrobenzene-d5            | 8.81  | 128 | 2710  | 0.84 | ng/ul | 0.02  |
| 22) 2-Nitrophenol-d4           | 9.51  | 143 | 3104  | 0.86 | ng/ul | 0.01  |
| 26) 2,4-Dichlorophenol-d3      | 10.10 | 165 | 3020  | 0.44 | ng/ul | 0.08  |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0     | 0.00 | ng/ul |       |
| 44) Dimethylphthalate-d6       | 13.72 | 166 | 33574 | 1.65 | ng/ul | 0.02  |
| 47) Acenaphthylene-d8          | 13.96 | 160 | 37885 | 1.49 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.60 | 143 | 617   | 0.19 | ng/ul | 0.09  |
| 58) Fluorene-d10               | 15.29 | 176 | 31805 | 1.81 | ng/ul | 0.01  |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0     | 0.00 | ng/ul |       |
| 71) Anthracene-d10             | 17.14 | 188 | 52174 | 1.95 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.44 | 212 | 54601 | 1.88 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.30 | 264 | 56932 | 1.54 | ng/ul | -0.02 |

## Target Compounds

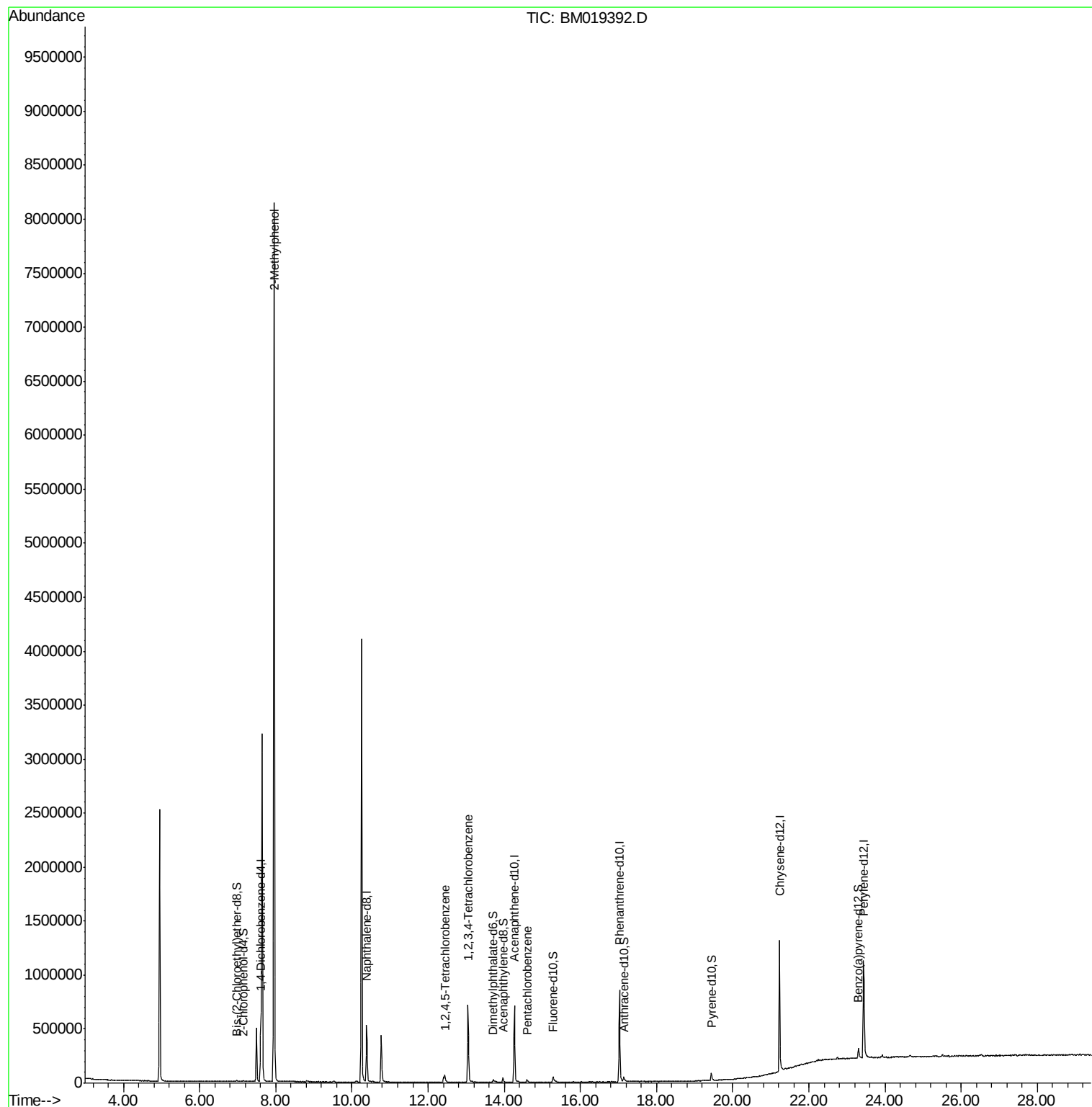
|                                |       |     |        |        | Ovalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 11) 2-Methylphenol             | 7.96  | 108 | 24284  | 3.308  | ng/ul  | 96 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.44 | 216 | 25682  | 3.195  | ng/ul# | 96 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.05 | 216 | 246801 | 30.488 | ng/uL  | 99 |
| 74) Pentachlorobenzene         | 14.60 | 250 | 8920   | 1.053  | ng/uL  | 96 |

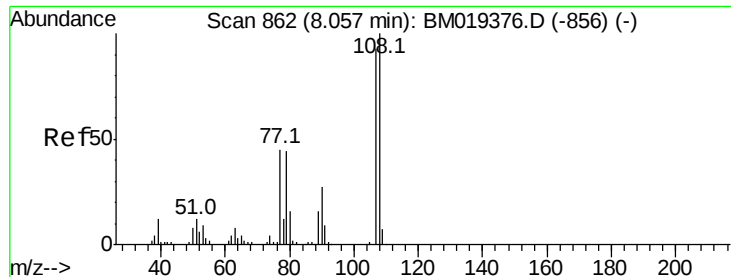
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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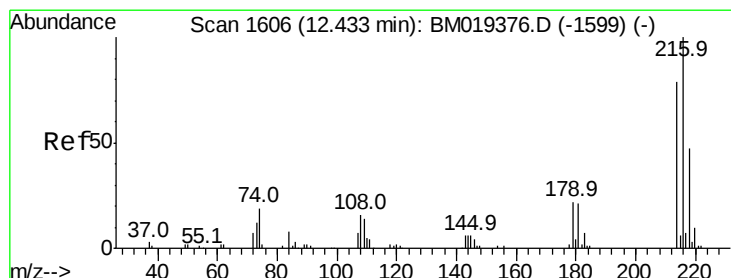
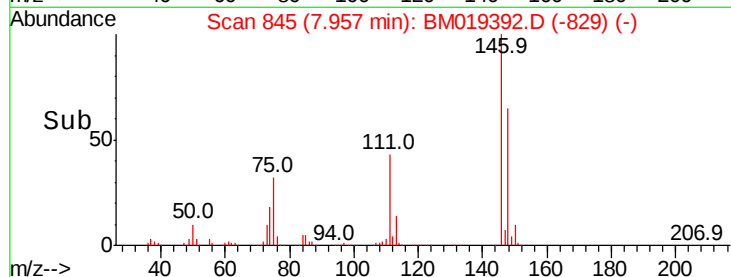
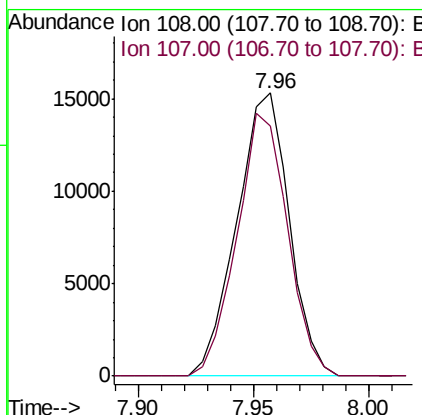
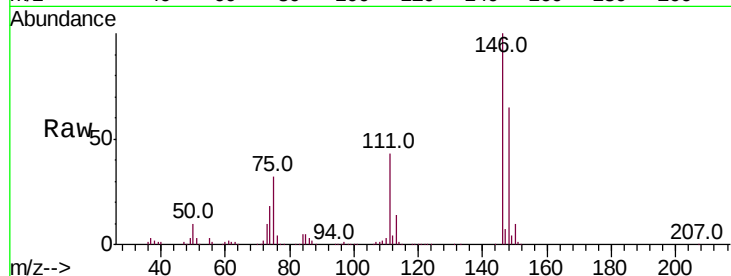




#11  
2-Methylphenol  
Concen: 3.308 ng/ul  
RT: 7.96 min Scan# 845  
Delta R.T. -0.11 min  
Lab File: BM019392.D  
Acq: 24 Mar 2019 15:13

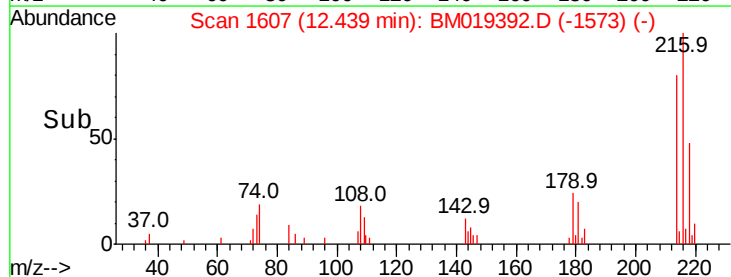
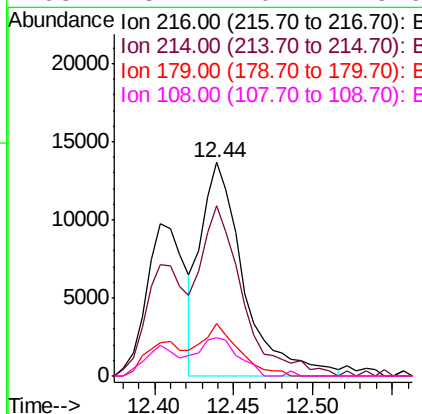
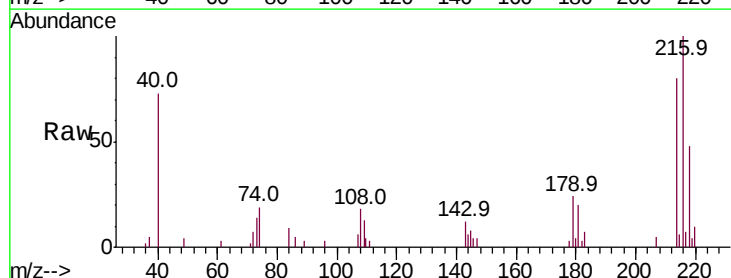
Instrument :  
BNA\_M  
ClientSampleId :

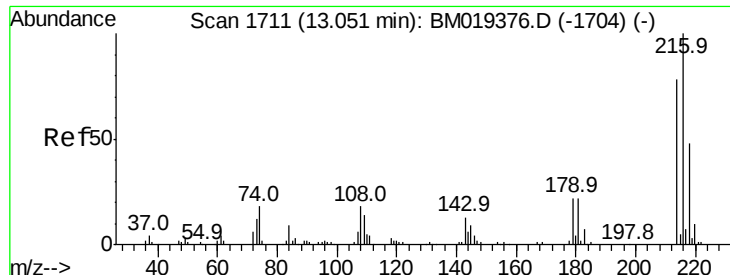
Tot Ion:108 Resp: 24284  
Ion Ratio Lower Upper  
108 100  
107 88.5 74.1 111.1



#37  
1,2,4,5-Tetrachlorobenzene  
Concen: 3.195 ng/ul  
RT: 12.44 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: BM019392.D  
Acq: 24 Mar 2019 15:13

Tgt Ion:216 Resp: 25682  
Ion Ratio Lower Upper  
216 100  
214 79.9 64.1 96.1  
179 24.4 14.5 21.7#  
108 18.1 10.4 15.6#

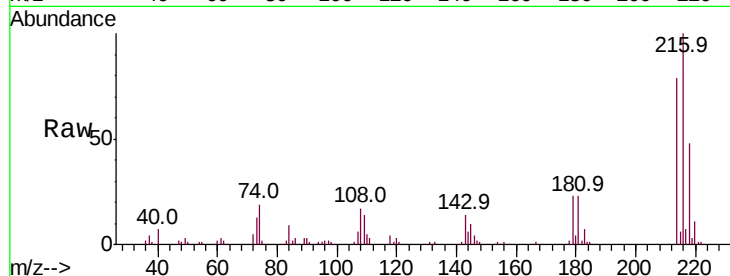




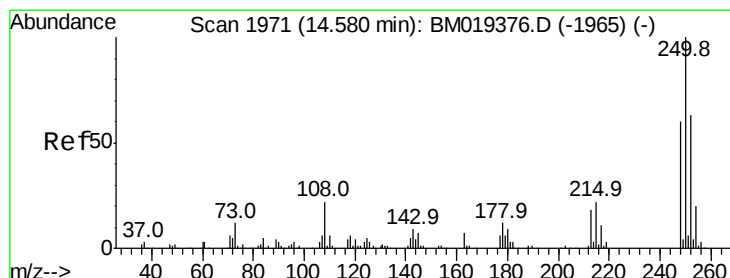
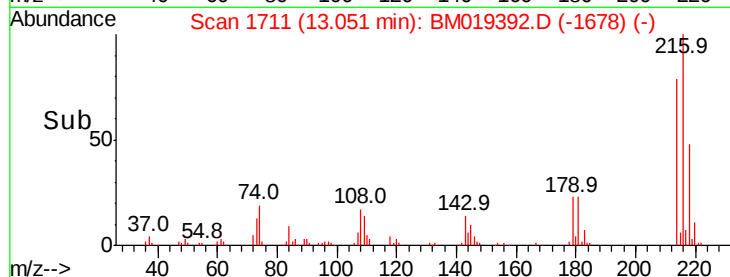
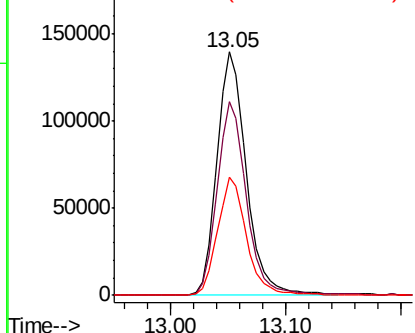
#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 30.488 ng/uL  
 RT: 13.05 min Scan# 1711  
 Delta R.T. -0.01 min  
 Lab File: BM019392.D  
 Acq: 24 Mar 2019 15:13

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.4  | 64.1  | 96.1  |
| 218     | 48.4  | 39.4  | 59.0  |

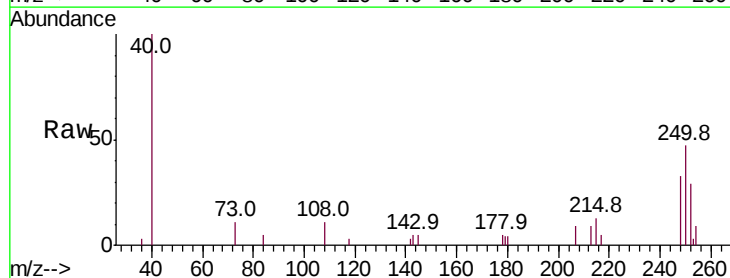


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 218.00 (217.70 to 218.70): E



#74  
 Pentachlorobenzene  
 Concen: 1.053 ng/uL  
 RT: 14.60 min Scan# 1974  
 Delta R.T. 0.01 min  
 Lab File: BM019392.D  
 Acq: 24 Mar 2019 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 250     | 100   |       |       |
| 248     | 69.8  | 51.4  | 77.2  |
| 252     | 60.9  | 49.8  | 74.6  |



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

