

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\  
 Data File : BM019424.D  
 Acq On : 25 Mar 2019 10:45  
 Operator : JU/SJ  
 Sample : K2027-10DL 2X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0989DL

Quant Time: Mar 26 06:37:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 25 03:11:42 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 152884   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 573916   | 20.00 | ng/ul | 0.01     |
| 36) Acenaphthene-d10      | 14.26 | 164  | 307767   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.02 | 188  | 657989   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 681218   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.44 | 264  | 751855   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 2733   | 0.70  | ng/uL | 0.02 |
| 5) Phenol-d5                   | 6.79  | 99  | 39202  | 2.88  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 122605 | 13.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 124733 | 12.09 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 76296  | 7.47  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 71520  | 17.47 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 78461  | 17.22 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.02 | 165 | 135020 | 15.70 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 5367   | 0.52  | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.68 | 166 | 421181 | 16.96 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.96 | 160 | 540584 | 17.41 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.58 | 143 | 9880   | 2.54  | ng/ul | 0.08 |
| 58) Fluorene-d10               | 15.26 | 176 | 369426 | 17.27 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 42265  | 9.71  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.12 | 188 | 578647 | 18.33 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.43 | 212 | 607538 | 19.31 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.30 | 264 | 671155 | 16.84 | ng/ul | 0.00 |

## Target Compounds

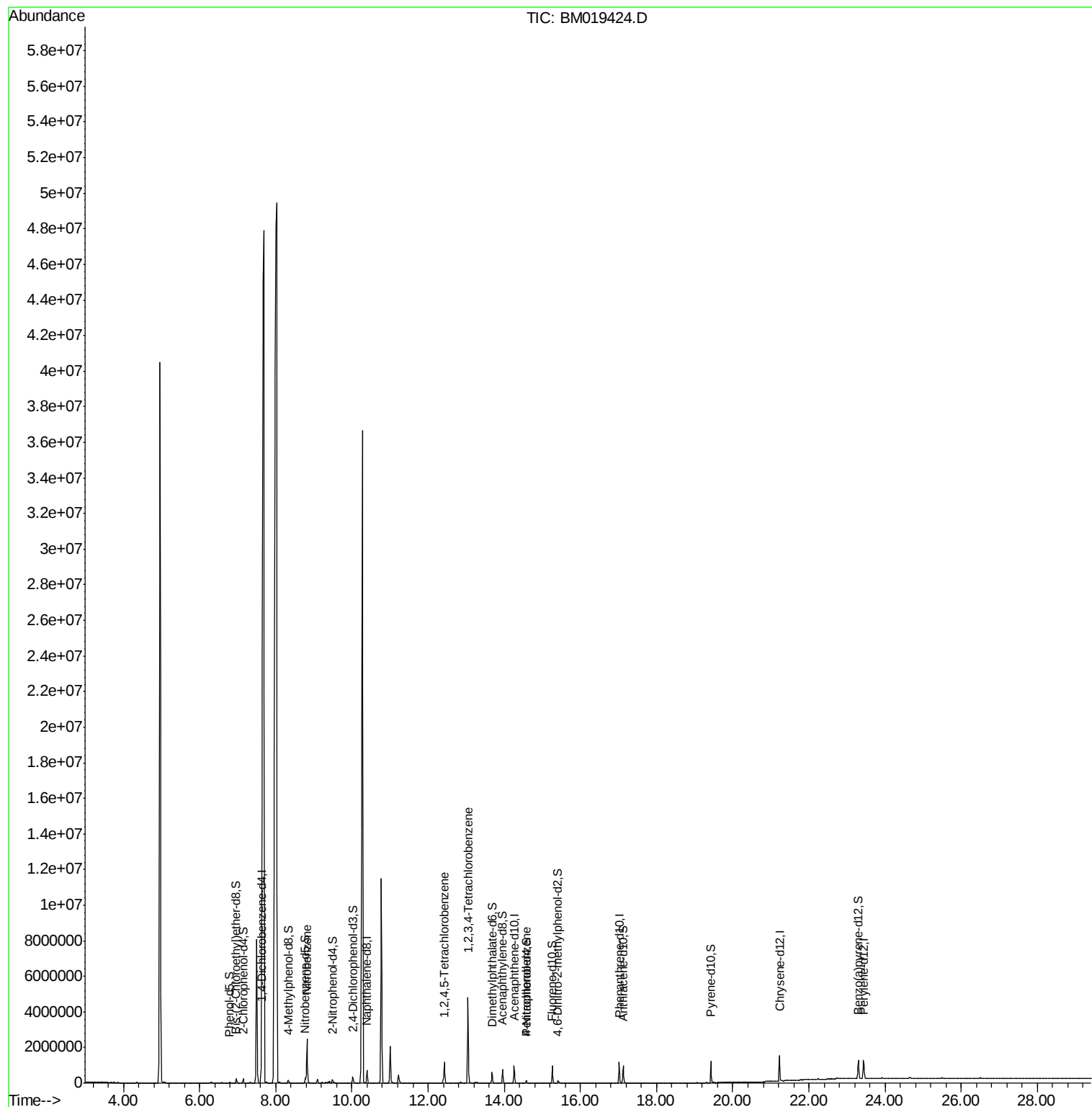
|                                |       |     |         |               | Ovalue |
|--------------------------------|-------|-----|---------|---------------|--------|
| 20) Nitrobenzene               | 8.82  | 77  | 1535992 | 126.037 ng/ul | 98     |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.43 | 216 | 357517  | 36.506 ng/ul# | 97     |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.05 | 216 | 1424483 | 149.323 ng/uL | 97     |
| 74) Pentachlorobenzene         | 14.58 | 250 | 33772   | 3.385 ng/uL   | 97     |

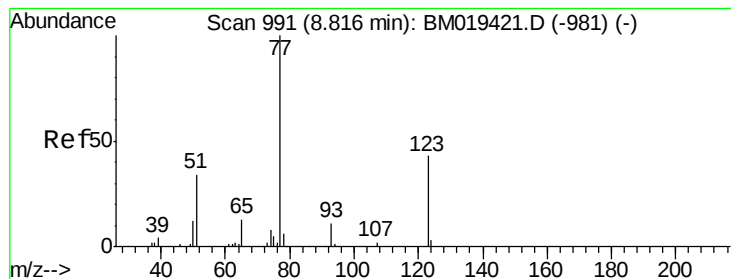
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#20

Nitrobenzene

Concen: 126.037 ng/ul

RT: 8.82 min Scan# 992

Delta R.T. 0.01 min

Lab File: BM019424.D

Acq: 25 Mar 2019 10:45

Instrument :

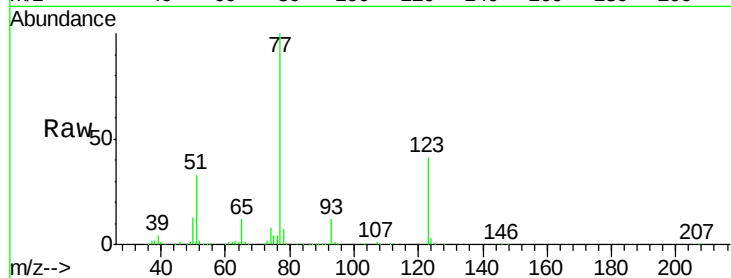
BNA\_M

ClientSampleId :

C0989DL

Tot Ion: 77 Resp: 1535992

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 41.2  | 31.8  | 47.8  |
| 65  | 12.5  | 10.6  | 16.0  |

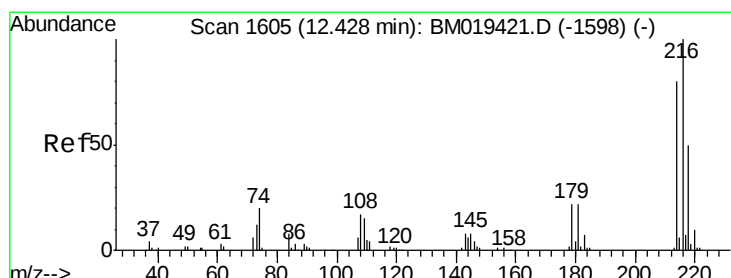
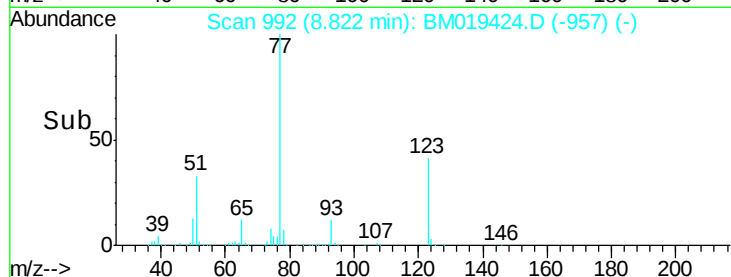
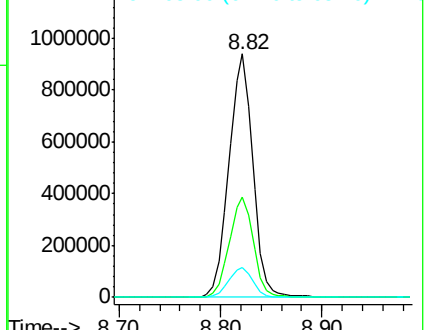


Abundance

Ion 77.00 (76.70 to 77.70): BM019421.D (-981) (-)

Ion 123.00 (122.70 to 123.70): BM019421.D (-981) (-)

Ion 65.00 (64.70 to 65.70): BM019421.D (-981) (-)



#37

1,2,4,5-Tetrachlorobenzene

Concen: 36.506 ng/ul

RT: 12.43 min Scan# 1605

Delta R.T. -0.01 min

Lab File: BM019424.D

Acq: 25 Mar 2019 10:45

Tgt Ion: 216 Resp: 357517

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 79.9  | 64.1  | 96.1  |
| 179 | 21.6  | 14.5  | 21.7  |
| 108 | 17.2  | 10.4  | 15.6  |

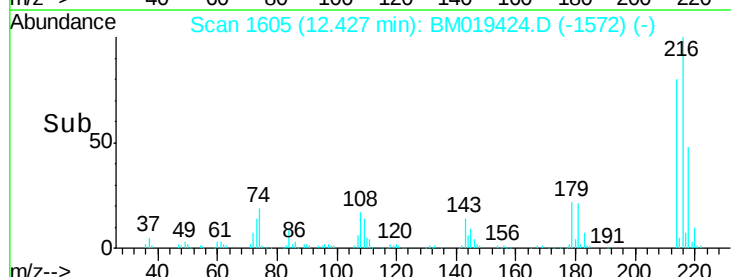
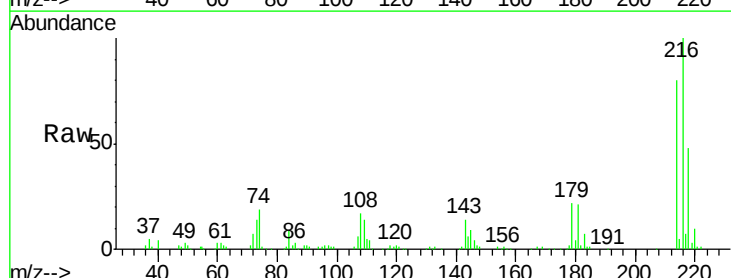
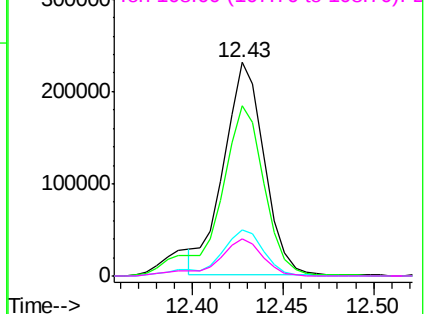
Abundance

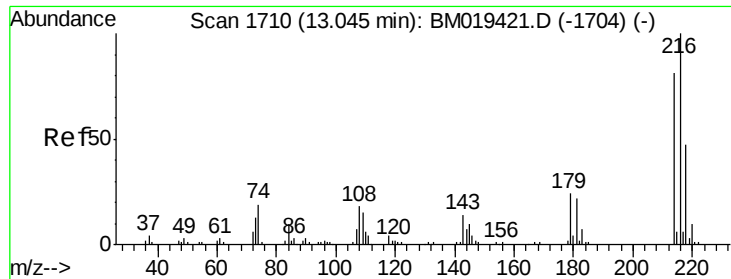
Ion 216.00 (215.70 to 216.70): BM019421.D (-1598) (-)

Ion 214.00 (213.70 to 214.70): BM019421.D (-1598) (-)

Ion 179.00 (178.70 to 179.70): BM019421.D (-1598) (-)

Ion 108.00 (107.70 to 108.70): BM019421.D (-1598) (-)

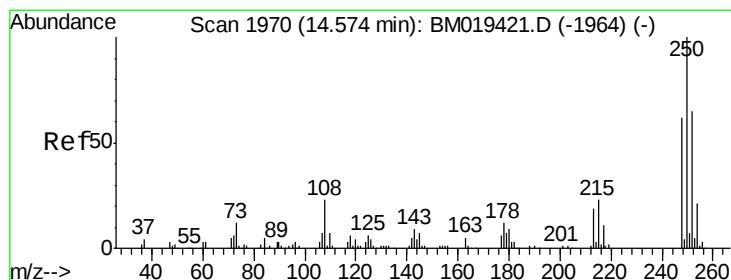
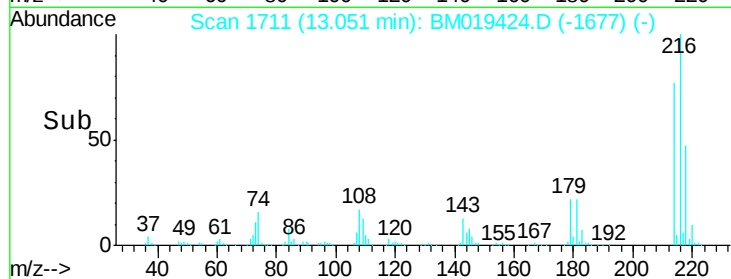
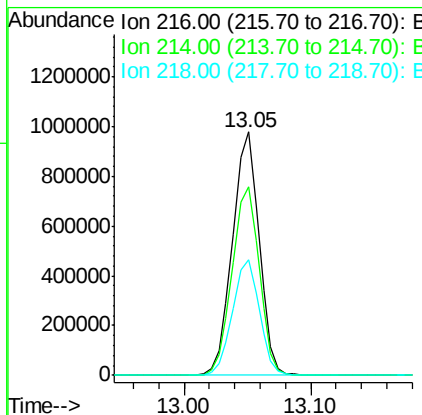
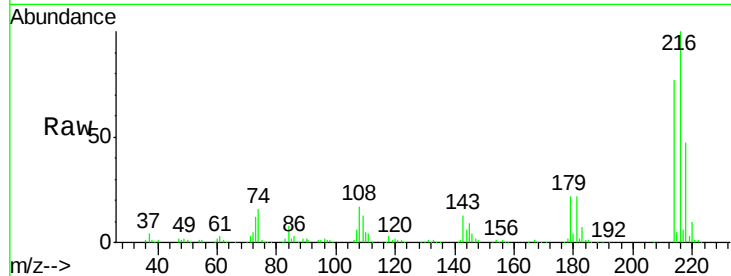




#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 149.323 ng/uL  
 RT: 13.05 min Scan# 1711  
 Delta R.T. -0.00 min  
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Tot Ion:216 Resp: 1424483  
 Ion Ratio Lower Upper  
 216 100  
 214 77.4 64.1 96.1  
 218 47.4 39.4 59.0



#74  
 Pentachlorobenzene  
 Concen: 3.385 ng/uL  
 RT: 14.58 min Scan# 1971  
 Delta R.T. -0.00 min  
 Lab File: BM019424.D  
 Acq: 25 Mar 2019 10:45

Tgt Ion:250 Resp: 33772  
 Ion Ratio Lower Upper  
 250 100  
 248 59.8 51.4 77.2  
 252 62.4 49.8 74.6

