

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032319\  
 Data File : BM019346.D  
 Acq On : 23 Mar 2019 11:32  
 Operator : JU/SJ  
 Sample : K2027-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C09D5

Manual Integrations  
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Quant Time: Mar 24 05:21:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Mar 24 04:53:47 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 123996   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.39 | 136  | 500549   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.27 | 164  | 280609   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.03 | 188  | 621481   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 674254   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.45 | 264  | 762570   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 11780   | 3.72  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.80  | 99  | 65079   | 5.89  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 178557  | 24.15 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 174935  | 20.90 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.33  | 113 | 109935  | 13.26 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 93236   | 26.11 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 102877  | 25.89 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 173256  | 23.11 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 14564   | 1.62  | ng/ul | 0.03  |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 678634  | 29.97 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.96 | 160 | 775886  | 27.41 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.55 | 143 | 15286m  | 4.31  | ng/ul | 0.04  |
| 58) Fluorene-d10               | 15.27 | 176 | 574804  | 29.47 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 93353   | 22.71 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.13 | 188 | 955333  | 32.03 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.43 | 212 | 1072516 | 34.44 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.31 | 264 | 1246325 | 30.83 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |        |        | Ovalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 37) 1,2,4,5-Tetrachlorobenzene | 12.44 | 216 | 178882 | 20.033 | ng/ul# | 96 |
| 45) Dimethylphthalate          | 13.74 | 163 | 26582  | 1.170  | ng/ul# | 97 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.06 | 216 | 140615 | 15.606 | ng/uL  | 99 |

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

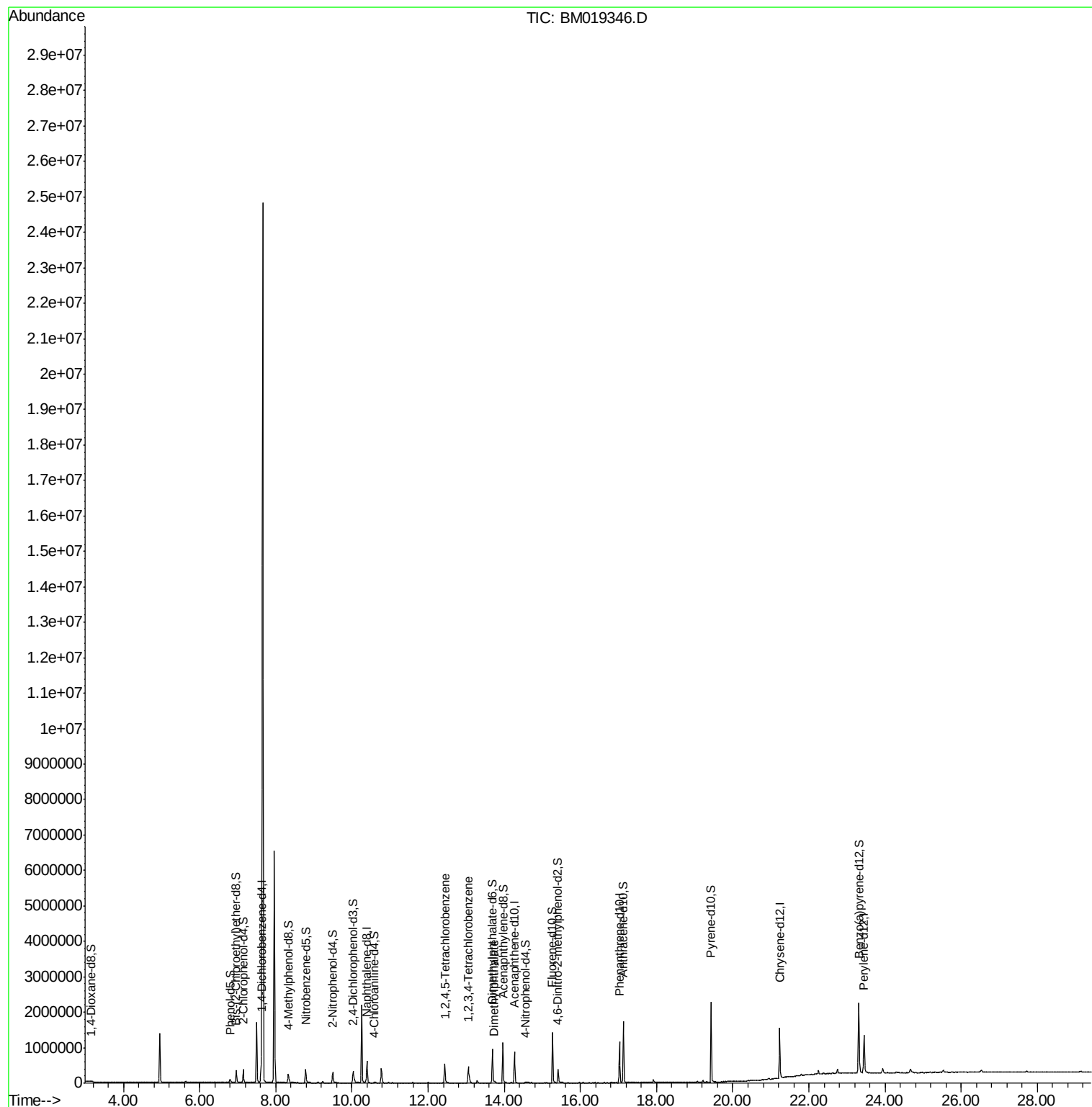
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032319\  
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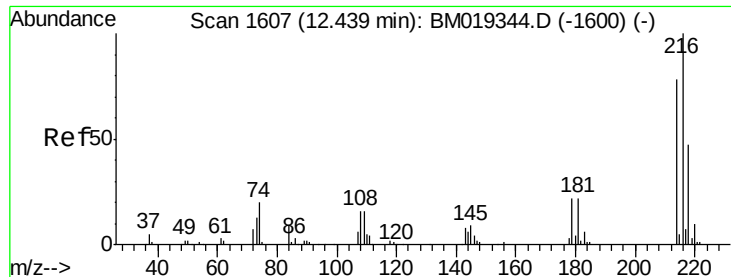
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Time: Mar 24 05:21:19 2019  
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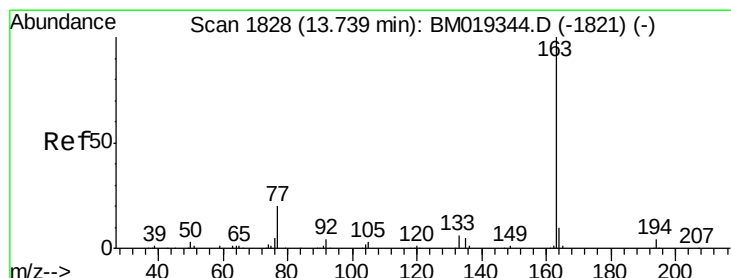
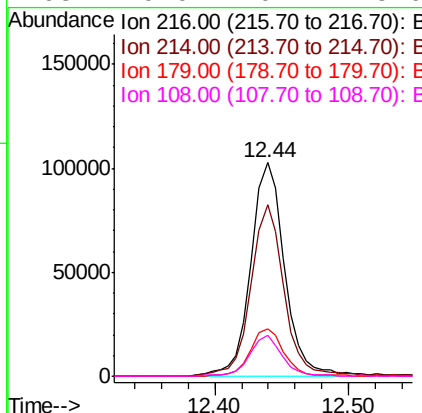
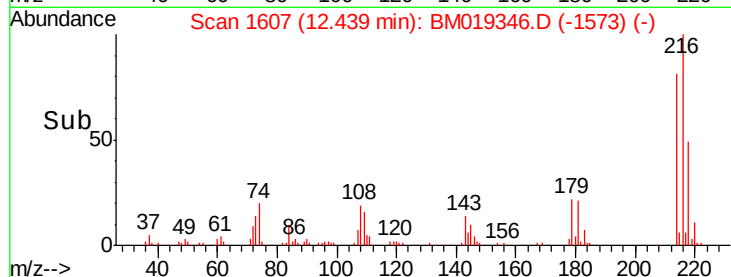
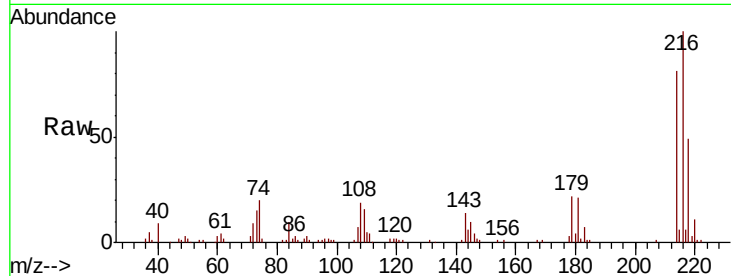
#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 20.033 ng/ul  
 RT: 12.44 min Scan# 1607  
 Delta R.T. -0.00 min  
 Lab File: BM019346.D  
 Acq: 23 Mar 2019 11:32

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C09D5

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 216     | 100   |            |       |
| 214     | 80.6  | 64.1       | 96.1  |
| 179     | 22.0  | 14.5       | 21.7# |
| 108     | 19.0  | 10.4       | 15.6# |

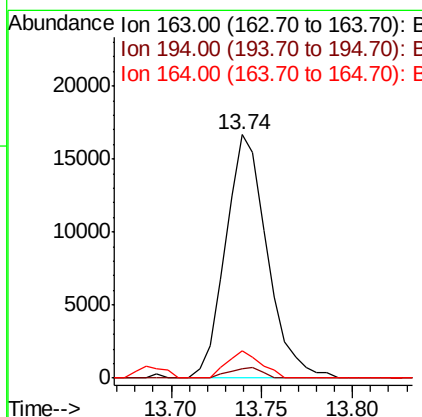
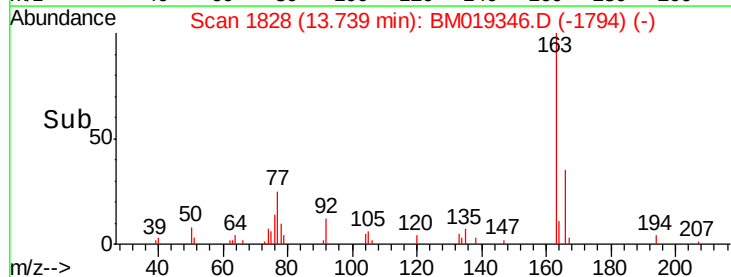
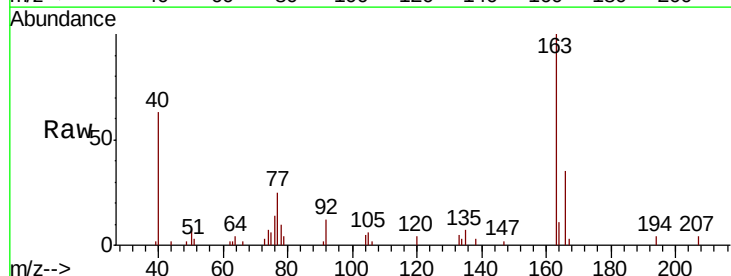
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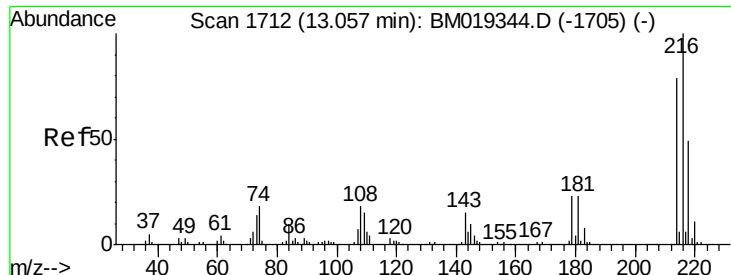
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#45  
 Dimethylphthalate  
 Concen: 1.170 ng/ul  
 RT: 13.74 min Scan# 1828  
 Delta R.T. -0.00 min  
 Lab File: BM019346.D  
 Acq: 23 Mar 2019 11:32

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 163     | 100   |            |       |
| 194     | 4.0   | 4.0        | 6.0#  |
| 164     | 11.5  | 8.4        | 12.6  |





#73

1,2,3,4-Tetrachlorobenzene

Concen: 15.606 ng/uL

RT: 13.06 min Scan# 1712

Delta R.T. -0.00 min

Lab File: BM019346.D

Acq: 23 Mar 2019 11:32

Instrument :

BNA\_M

ClientSampleId :

C09D5

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 216  | Resp: | 140615 |
| Ion Ratio |      | Lower | Upper  |
| 216       | 100  |       |        |
| 214       | 79.8 | 64.1  | 96.1   |
| 218       | 47.0 | 39.4  | 59.0   |

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