

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032320\  
 Data File : BM025786.D  
 Acq On : 26 Mar 2020 02:06  
 Operator : CG/JU  
 Sample : L1941-12  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0DC3

Manual Integrations  
 APPROVED

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 3/27/2020 8:15:27 AM

Quant Time: Mar 26 05:19:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 26 05:11:11 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 211754   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.33 | 136  | 860167   | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.20 | 164  | 534633   | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 16.95 | 188  | 1163404  | 20.00 | ng/ul | -0.01    |
| 78) Chrysene-d12          | 21.14 | 240  | 1283398  | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 23.29 | 264  | 1431796  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 6776    | 1.34  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.75  | 99  | 106250  | 6.36  | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.91  | 67  | 274916  | 28.82 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.10  | 132 | 325341  | 23.99 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 204492  | 14.89 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.71  | 128 | 206242  | 32.26 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.43  | 143 | 224109  | 32.97 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.96  | 165 | 390770  | 28.11 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.47 | 131 | 20026   | 1.24  | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.63 | 166 | 1436435 | 35.35 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.89 | 160 | 1695996 | 34.84 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4           | 14.41 | 143 | 47210   | 6.10  | ng/ul | -0.01 |
| 58) Fluorene-d10               | 15.20 | 176 | 1248737 | 35.01 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 212138  | 29.89 | ng/ul | -0.01 |
| 71) Anthracene-d10             | 17.05 | 188 | 2015481 | 37.09 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.35 | 212 | 2243108 | 36.39 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.16 | 264 | 2833944 | 38.66 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |        | Ovalue |           |
|--------------------------------|-------|-----|--------|--------|-----------|
| 37) 1,2,4,5-Tetrachlorobenzene | 12.38 | 216 | 63978m | 3.784  | ng/ul     |
| 45) Dimethylphthalate          | 13.67 | 163 | 97152  | 2.297  | ng/ul# 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.00 | 216 | 51553  | 2.892  | ng/uL 99  |

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

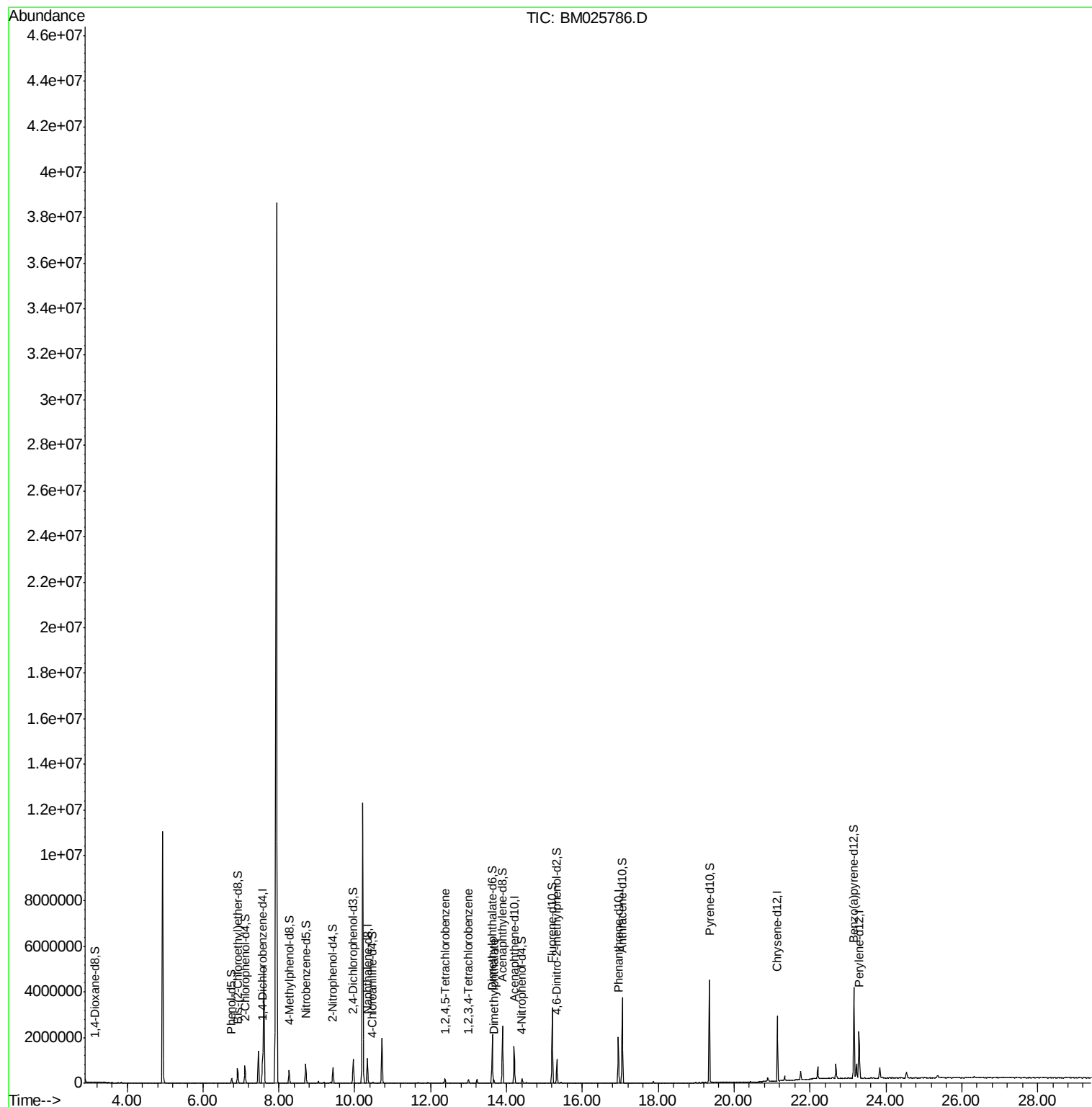
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032320\  
Data File : BM025786.D  
Acq On : 26 Mar 2020 02:06  
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Sample : L1941-12  
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ALS Vial : 16 Sample Multiplier: 1

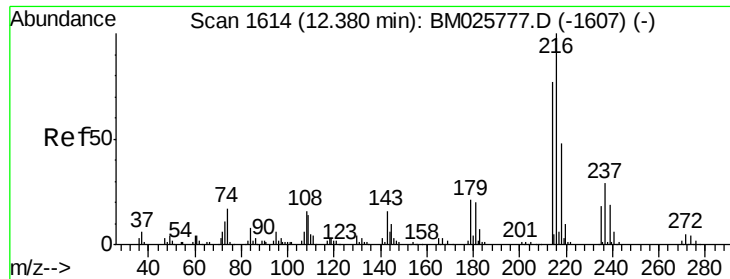
Instrument :  
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Quant Time: Mar 26 05:19:13 2020  
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Quant Title : SVOA CALIBRATION  
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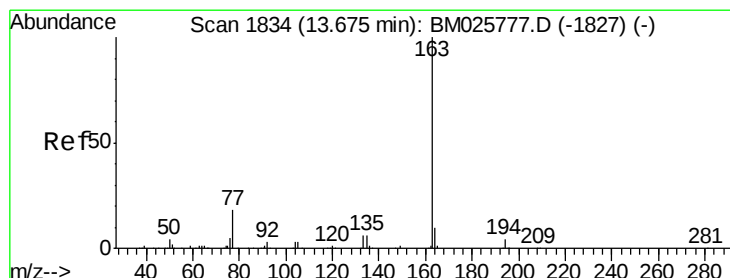
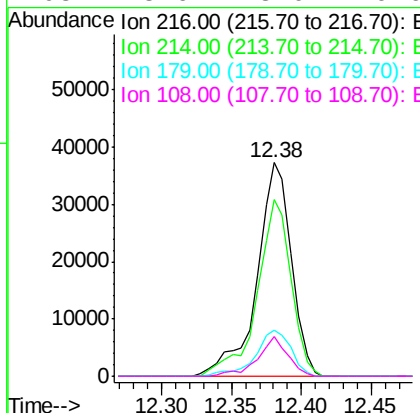
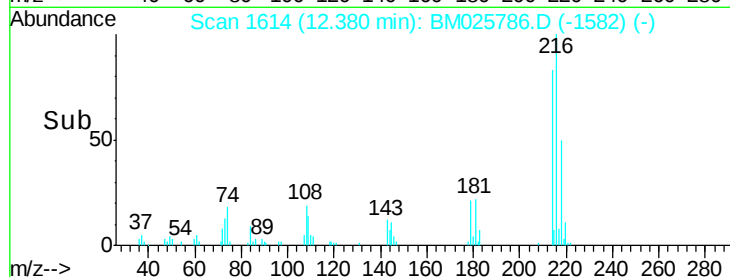
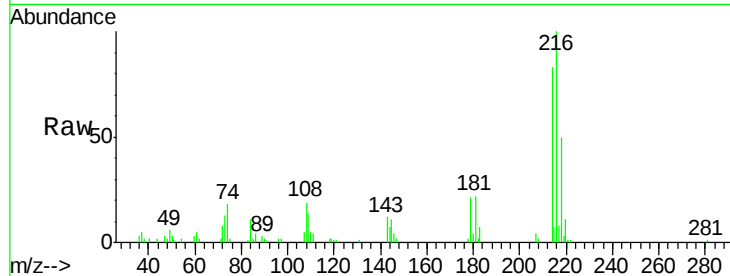
#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 3.784 ng/ul m  
 RT: 12.38 min Scan# 1614  
 Delta R.T. -0.01 min  
 Lab File: BM025786.D  
 Acq: 26 Mar 2020 02:06

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0DC3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 216   | Resp: | 63978 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 82.8  | 61.9  | 92.9  |
| 179       | 21.4  | 16.6  | 24.8  |
| 108       | 18.6  | 13.0  | 19.6  |

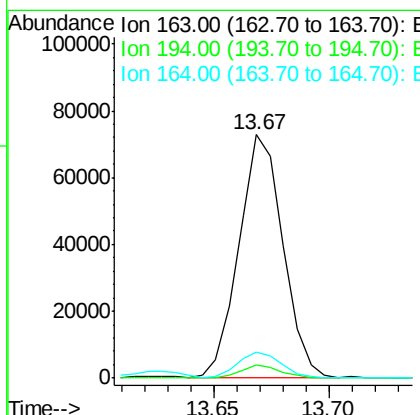
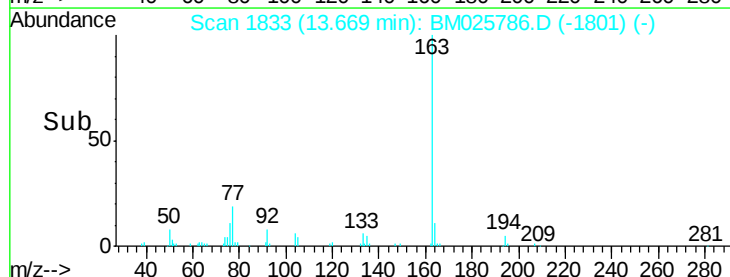
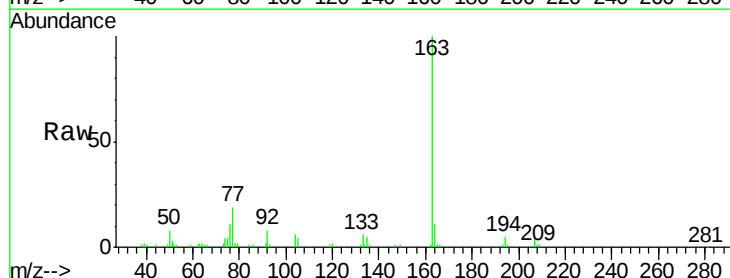
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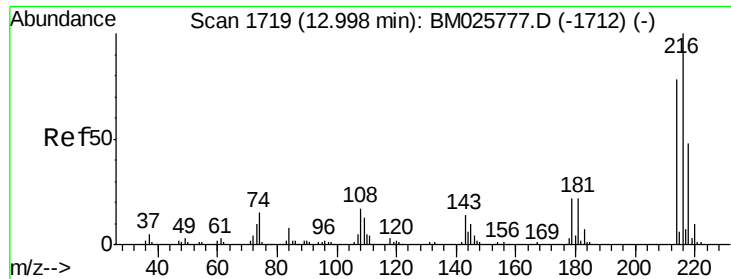
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#45  
 Dimethylphthalate  
 Concen: 2.297 ng/ul  
 RT: 13.67 min Scan# 1833  
 Delta R.T. -0.01 min  
 Lab File: BM025786.D  
 Acq: 26 Mar 2020 02:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 97152 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 5.4   | 3.5   | 5.3#  |
| 164       | 10.5  | 8.2   | 12.4  |





#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 2.892 ng/uL  
 RT: 13.00 min Scan# 1719  
 Delta R.T. -0.01 min  
 Lab File: BM025786.D  
 Acq: 26 Mar 2020 02:06

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0DC3

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 216     | 100   |            |       |
| 214     | 76.2  | 61.8       | 92.6  |
| 218     | 45.2  | 37.3       | 55.9  |

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