

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032320\  
 Data File : BM025785.D  
 Acq On : 26 Mar 2020 01:30  
 Operator : CG/JU  
 Sample : L1941-11  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0DC2

Manual Integrations  
 APPROVED

mohammad  
 3/27/2020 8:15:25 AM

Quant Time: Mar 26 05:13:40 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 24 00:45:06 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 195169   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.33 | 136  | 762393   | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.20 | 164  | 467099   | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 16.95 | 188  | 1017329  | 20.00 | ng/ul | -0.01    |
| 78) Chrysene-d12          | 21.14 | 240  | 1119311  | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 23.29 | 264  | 1256400  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 7278m   | 1.56  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.75  | 99  | 95262   | 6.18  | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.91  | 67  | 251778  | 28.64 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.10  | 132 | 301460  | 24.11 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 183997  | 14.54 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.71  | 128 | 185417  | 32.72 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.43  | 143 | 199337  | 33.09 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.96  | 165 | 344892  | 28.00 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.47 | 131 | 17947   | 1.25  | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.63 | 166 | 1240064 | 34.93 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.89 | 160 | 1471419 | 34.60 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4           | 14.42 | 143 | 38740   | 5.73  | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.20 | 176 | 1081522 | 34.71 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 177417  | 28.58 | ng/ul | -0.01 |
| 71) Anthracene-d10             | 17.05 | 188 | 1738728 | 36.59 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.35 | 212 | 1929469 | 35.89 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.16 | 264 | 2401416 | 37.33 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 37) 1,2,4,5-Tetrachlorobenzene | 12.38 | 216 | 65994 | 4.467 ng/ul  | 96     |
| 42) 2-Chloronaphthalene        | 13.22 | 162 | 54693 | 1.861 ng/ul# | 44     |
| 45) Dimethylphthalate          | 13.67 | 163 | 73784 | 1.997 ng/ul  | 98     |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.00 | 216 | 53529 | 3.434 ng/uL  | 96     |

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

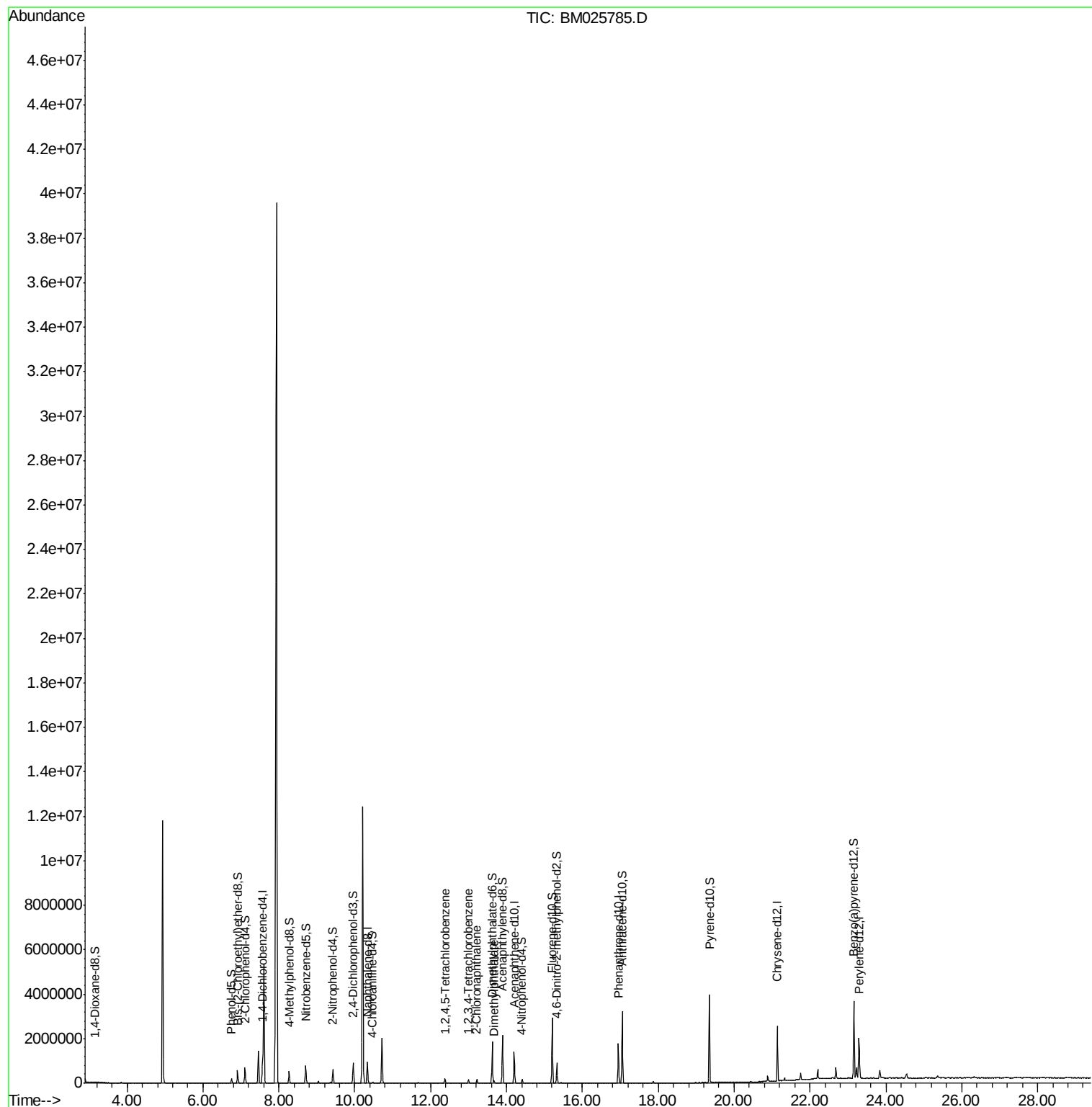
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032320\  
Data File : BM025785.D  
Acq On : 26 Mar 2020 01:30  
Operator : CG/JU  
Sample : L1941-11  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

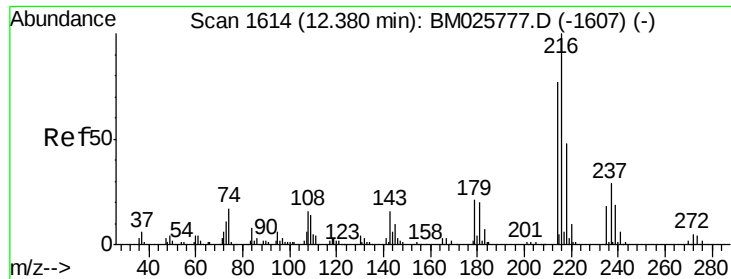
Instrument :  
BNA\_M  
ClientSampleId :  
C0DC2

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Quant Title : SVOA CALIBRATION  
QLast Update : Tue Mar 24 00:45:06 2020  
Response via : Initial Calibration





#37

1,2,4,5-Tetrachlorobenzene

Concen: 4.467 ng/ul

RT: 12.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BM025785.D

Acq: 26 Mar 2020 01:30

Instrument :

BNA\_M

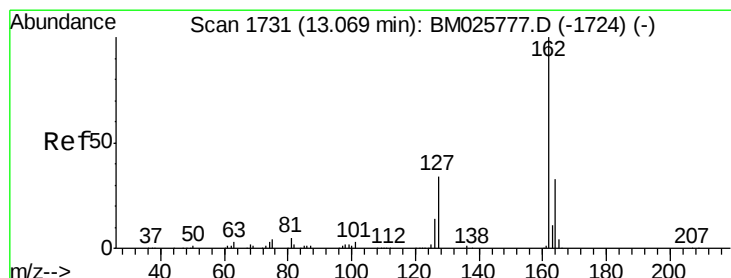
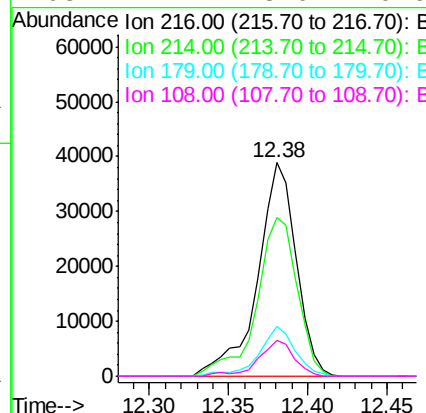
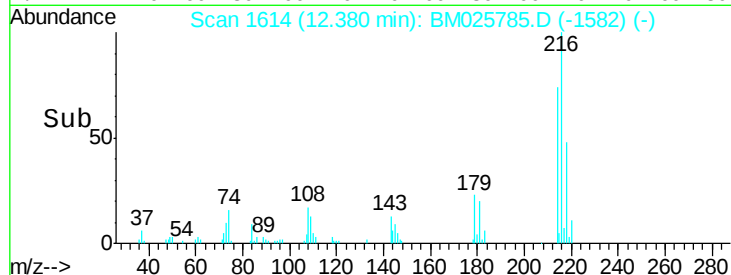
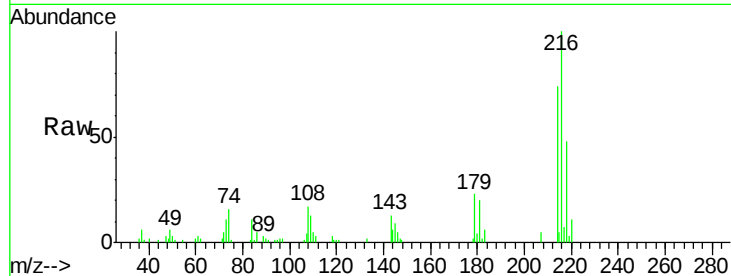
ClientSampleId :

C0DC2

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 216  | Resp: | 65994 |
| Ion Ratio |      | Lower | Upper |
| 216       | 100  |       |       |
| 214       | 74.3 | 61.9  | 92.9  |
| 179       | 23.4 | 16.6  | 24.8  |
| 108       | 17.1 | 13.0  | 19.6  |

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#42

2-Chloronaphthalene

Concen: 1.861 ng/ul

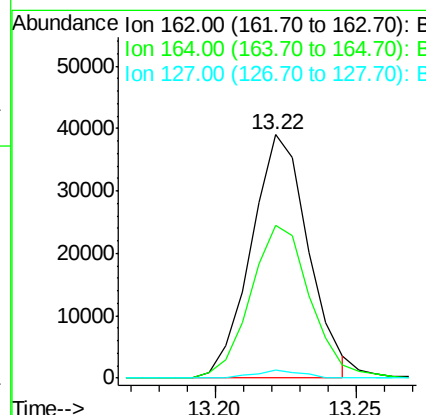
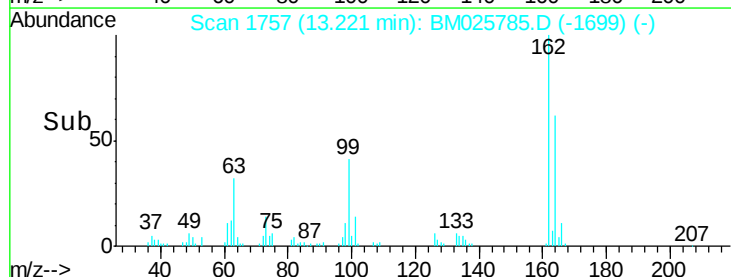
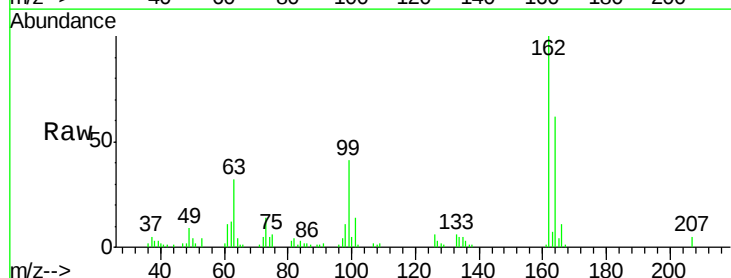
RT: 13.22 min Scan# 1757

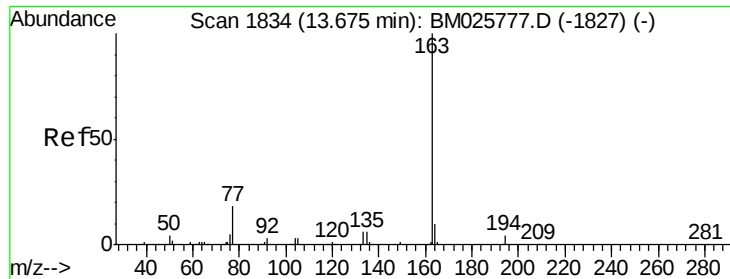
Delta R.T. 0.14 min

Lab File: BM025785.D

Acq: 26 Mar 2020 01:30

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 162  | Resp: | 54693 |
| Ion Ratio |      | Lower | Upper |
| 162       | 100  |       |       |
| 164       | 62.5 | 25.9  | 38.9# |
| 127       | 3.1  | 30.2  | 45.4# |





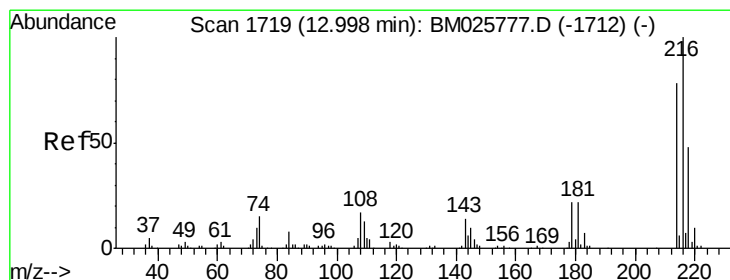
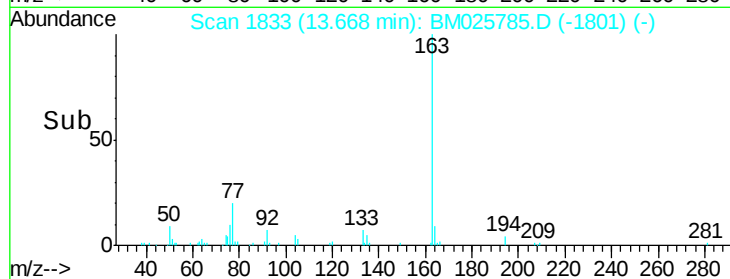
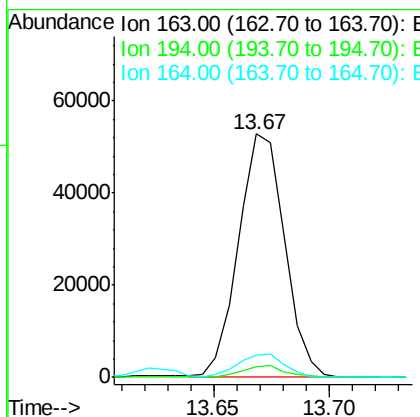
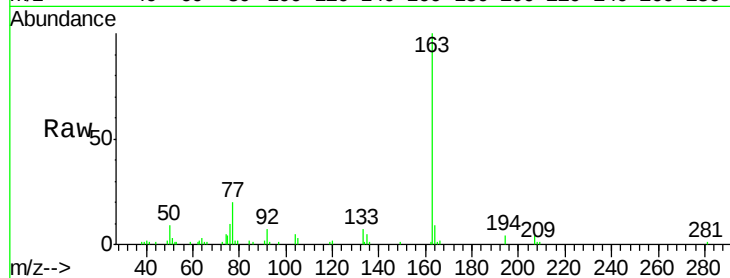
#45  
Dimethylphthalate  
Concen: 1.997 ng/ul  
RT: 13.67 min Scan# 1833  
Delta R.T. -0.01 min  
Lab File: BM025785.D  
Acq: 26 Mar 2020 01:30

Instrument :  
BNA\_M  
ClientSampleId :  
C0DC2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.4   | 3.5   | 5.3   |
| 164     | 9.3   | 8.2   | 12.4  |

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#73  
1,2,3,4-Tetrachlorobenzene  
Concen: 3.434 ng/uL  
RT: 13.00 min Scan# 1719  
Delta R.T. -0.01 min  
Lab File: BM025785.D  
Acq: 26 Mar 2020 01:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 72.9  | 61.8  | 92.6  |
| 218     | 45.0  | 37.3  | 55.9  |

