

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091818\  
 Data File : BN002754.D  
 Acq On : 18 Sep 2018 16:14  
 Operator : JU/SJ  
 Sample : J4893-13  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C08P0

Manual Integrations  
 APPROVED

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 9/19/2018 5:12:04 PM

Quant Time: Sep 19 01:46:36 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 19 01:15:51 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.65  | 152  | 141155   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8             | 10.42 | 136  | 583408   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10           | 14.28 | 164  | 309613   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10           | 17.03 | 188  | 617951   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12               | 21.24 | 240  | 581473   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12               | 23.45 | 264  | 615766   | 20.00 | ng/ul | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 3) 1,4-Dioxane-d8              | 3.22  | 96   | 17714    | 5.79  | ng/uL | 0.00     |
| 5) Phenol-d5                   | 6.83  | 99   | 99400    | 8.29  | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67   | 267346   | 35.91 | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.19  | 132  | 293907   | 29.79 | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 8.36  | 113  | 179353   | 19.32 | ng/ul | 0.00     |
| 19) Nitrobenzene-d5            | 8.80  | 128  | 170034   | 37.62 | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.51  | 143  | 195046   | 38.14 | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165  | 309158   | 33.49 | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.57 | 131  | 26467    | 2.48  | ng/ul | 0.02     |
| 43) Dimethylphthalate-d6       | 13.70 | 166  | 941561   | 38.85 | ng/ul | 0.00     |
| 46) Acenaphthylene-d8          | 13.97 | 160  | 1208318  | 38.18 | ng/ul | 0.00     |
| 51) 4-Nitrophenol-d4           | 14.53 | 143  | 24994m   | 6.24  | ng/ul | 0.02     |
| 57) Fluorene-d10               | 15.28 | 176  | 807466   | 38.03 | ng/ul | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 15.42 | 200  | 126563   | 32.74 | ng/ul | 0.00     |
| 70) Anthracene-d10             | 17.13 | 188  | 1163272  | 39.43 | ng/ul | 0.00     |
| 78) Pyrene-d10                 | 19.43 | 212  | 1192072  | 38.85 | ng/ul | 0.00     |
| 89) Benzo(a)pyrene-d12         | 23.31 | 264  | 1275575  | 39.36 | ng/ul | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216  | 56698    | 5.513 | ng/ul | 96       |
| 44) Dimethylphthalate          | 13.75 | 163  | 182676   | 7.723 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.07 | 216  | 48763    | 4.619 | ng/uL | 98       |

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

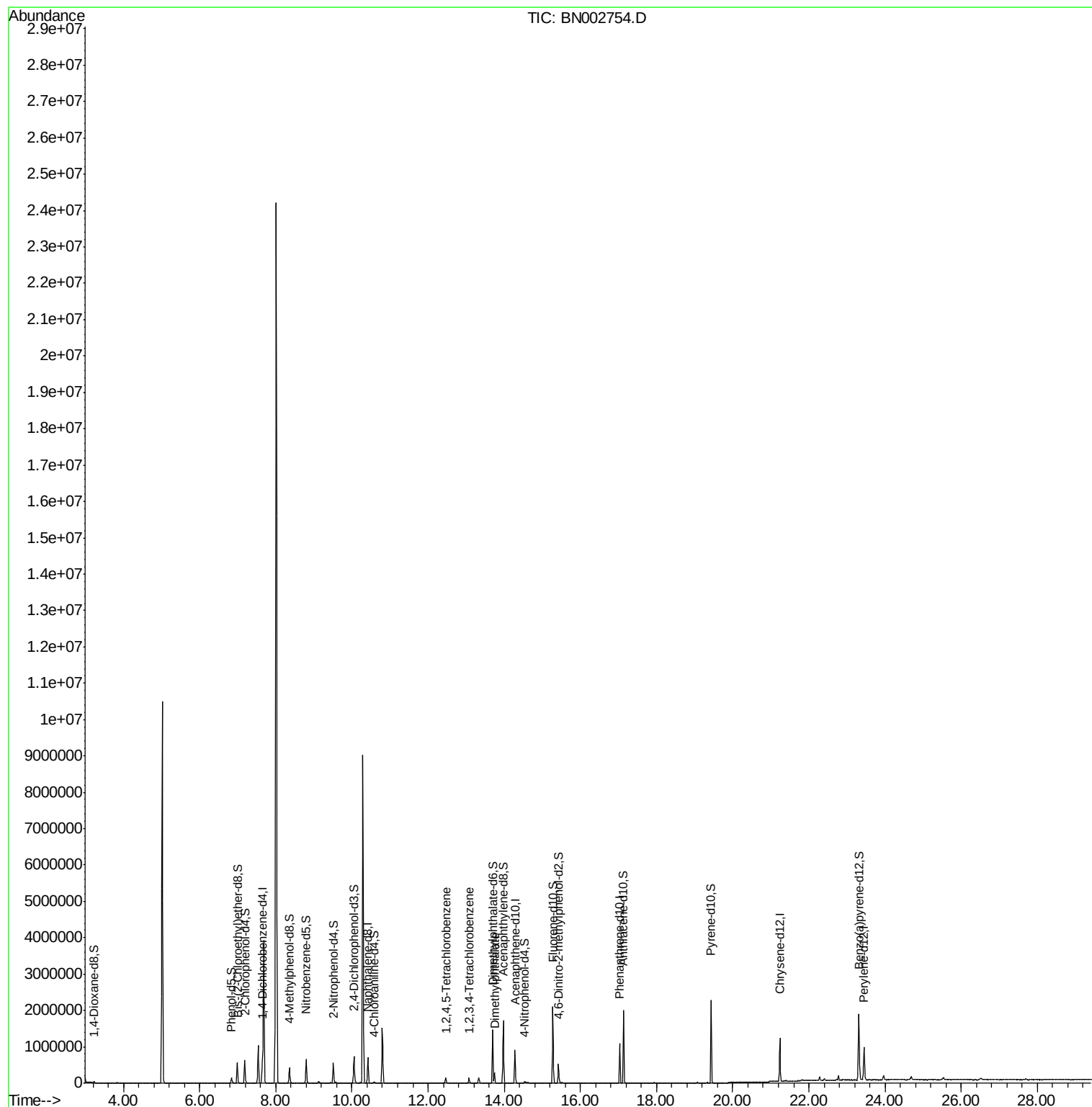
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091818\  
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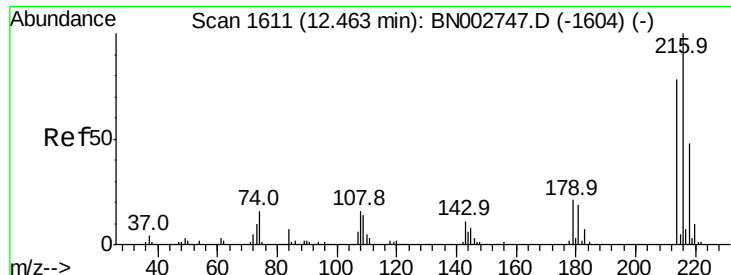
Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Time: Sep 19 01:46:36 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
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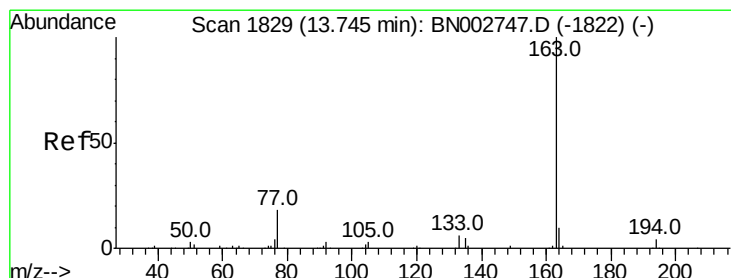
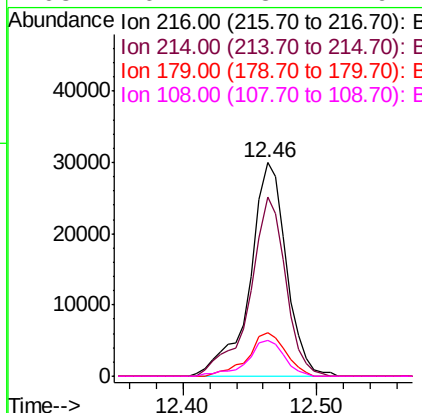
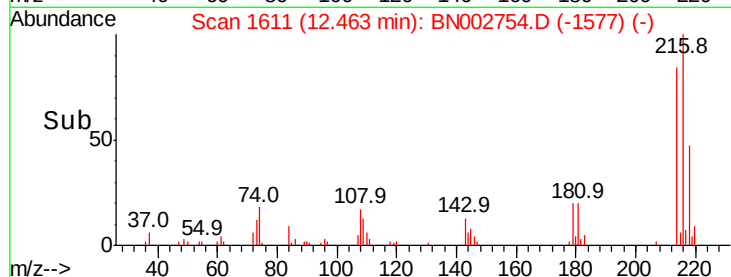
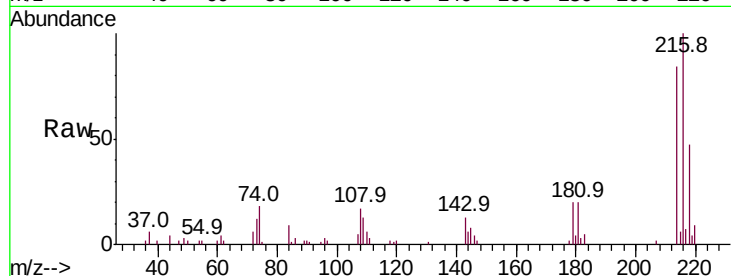
#36  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 5.513 ng/ul  
 RT: 12.46 min Scan# 1611  
 Delta R.T. -0.00 min  
 Lab File: BN002754.D  
 Acq: 18 Sep 2018 16:14

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C08P0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 84.0  | 63.5  | 95.3  |
| 179     | 20.2  | 16.5  | 24.7  |
| 108     | 16.7  | 13.4  | 20.2  |

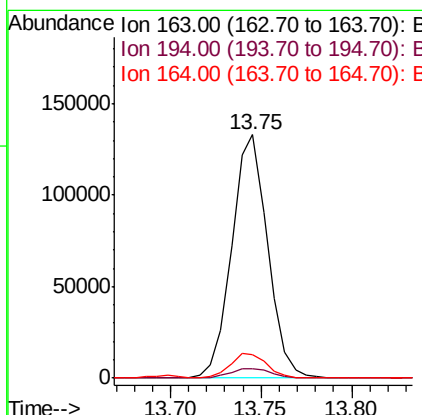
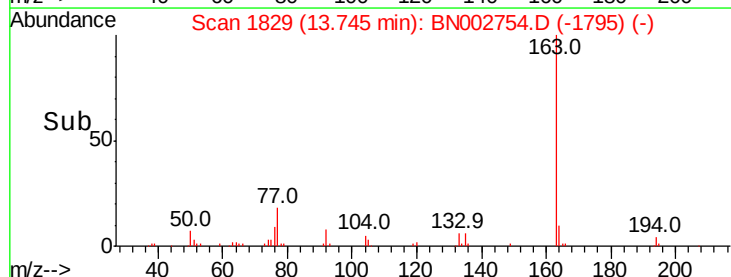
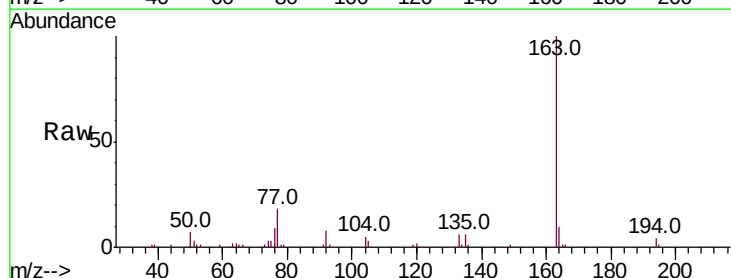
Manual Integrations  
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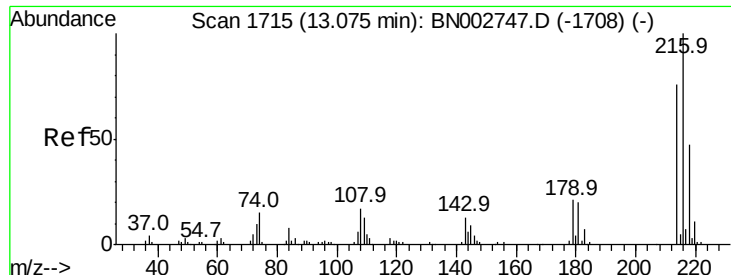
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#44  
 Dimethylphthalate  
 Concen: 7.723 ng/ul  
 RT: 13.75 min Scan# 1829  
 Delta R.T. -0.00 min  
 Lab File: BN002754.D  
 Acq: 18 Sep 2018 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.0   | 3.5   | 5.3   |
| 164     | 9.8   | 8.1   | 12.1  |





#72

1,2,3,4-Tetrachlorobenzene

Concen: 4.619 ng/uL

RT: 13.07 min Scan# 1715

Delta R.T. -0.00 min

Lab File: BN002754.D

Acq: 18 Sep 2018 16:14

Instrument :

BNA\_N

ClientSampleId :

C08P0

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 216   | Resp: | 48763 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 75.8  | 62.9  | 94.3  |
| 218       | 47.9  | 37.8  | 56.6  |

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