

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\  
 Data File : BF086722.D  
 Acq On : 5 May 2016 23:12  
 Operator : UM/SJ  
 Sample : H2762-08  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-B4COMP

Manual Integrations  
 APPROVED

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 5/6/2016 7:11:48 PM

Quant Time: May 06 03:30:45 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 04 15:12:53 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.73  | 152  | 164624   | 40.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.03  | 136  | 495053   | 40.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.77  | 164  | 265042   | 40.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.25 | 188  | 358699   | 40.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.89 | 240  | 271961   | 40.00 | ng    | 0.01     |
| 86) Perylene-d12          | 15.28 | 264  | 292044   | 40.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.32  | 112  | 1301842  | 130.92 | ng    | 0.00     |
| 7) Phenol-d6                | 6.38  | 99   | 1857251  | 138.65 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 1071394  | 111.21 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.56 | 330  | 301586   | 116.32 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.09  | 172  | 1406468  | 86.99  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.84 | 244  | 946013   | 70.30  | ng    | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 31) Naphthalene            | 8.08  | 128  | 11947797 | 472.39 | ng    | # 92   |
| 37) 2-Methylnaphthalene    | 8.75  | 142  | 4337843  | 290.70 | ng    | # 95   |
| 45) 1,1'-Biphenyl          | 9.20  | 154  | 1305217  | 60.23  | ng    | 95     |
| 48) Acenaphthylene         | 9.64  | 152  | 2878272  | 115.95 | ng    | # 95   |
| 49) Dimethylphthalate      | 9.49  | 163  | 221971   | 11.23  | ng    | 98     |
| 51) Acenaphthene           | 9.81  | 154  | 1426396  | 87.11  | ng    | 97     |
| 54) Dibenzofuran           | 9.97  | 168  | 465291   | 22.93  | ng    | # 89   |
| 57) Fluorene               | 10.33 | 166  | 2889883  | 175.69 | ng    | 99     |
| 70) Phenanthrene           | 11.30 | 178  | 7683628  | 398.79 | ng    | 95     |
| 71) Anthracene             | 11.34 | 178  | 2754041m | 136.50 | ng    |        |
| 74) Fluoranthene           | 12.48 | 202  | 3185188  | 164.96 | ng    | 93     |
| 77) Pylene                 | 12.71 | 202  | 3655016  | 168.58 | ng    | 96     |
| 80) Benzo(a)anthracene     | 13.88 | 228  | 1609081  | 104.61 | ng    | # 89   |
| 82) Chrysene               | 13.92 | 228  | 1370121m | 83.50  | ng    |        |
| 85) Indeno(1,2,3-cd)pyrene | 16.59 | 276  | 317511   | 22.55  | ng    | # 88   |
| 87) Benzo(b)fluoranthene   | 14.89 | 252  | 1148380m | 65.44  | ng    |        |
| 88) Benzo(k)fluoranthene   | 14.91 | 252  | 91608m   | 5.54   | ng    |        |
| 89) Benzo(a)pyrene         | 15.22 | 252  | 989179   | 61.20  | ng    | # 95   |
| 90) Dibenz(a,h)anthracene  | 16.60 | 278  | 87901    | 5.66   | ng    | 96     |
| 91) Benzo(a,h,i)perylene   | 16.99 | 276  | 321268m  | 19.71  | ng    |        |

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

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