

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\  
 Data File : BF082346.D  
 Acq On : 17 Oct 2015 2:02  
 Operator : UM/IZ  
 Sample : G4009-02 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KW-2

Manual Integrations  
 APPROVED

MMdadoda  
 10/19/2015 5:32:38 PM

Quant Time: Oct 17 04:52:19 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 17 04:30:36 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 52128m   | 20.00 | ng    | 0.02     |
| 21) Naphthalene-d8        | 8.25  | 136  | 225139   | 20.00 | ng    | 0.01     |
| 38) Acenaphthene-d10      | 9.99  | 164  | 122565   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.47 | 188  | 257737   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.16 | 240  | 234925   | 20.00 | ng    | 0.02     |
| 86) Perylene-d12          | 15.70 | 264  | 217543   | 20.00 | ng    | 0.03     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.58  | 112  | 67990    | 26.32 | ng    | 0.01     |
| 7) Phenol-d6                | 6.61  | 99   | 87576    | 26.06 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 54079    | 16.13 | ng    | 0.01     |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330  | 28304    | 24.62 | ng    | 0.01     |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 136869   | 18.52 | ng    | 0.01     |
| 78) Terphenyl-d14           | 13.06 | 244  | 136398   | 15.39 | ng    | 0.01     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 31) Naphthalene            | 8.26  | 128  | 21896    | 2.24  | ng    | 98     |
| 49) Dimethylphthalate      | 9.70  | 163  | 36703    | 4.25  | ng    | 99     |
| 51) Acenaphthene           | 10.02 | 154  | 32838    | 4.77  | ng    | 98     |
| 54) Dibenzofuran           | 10.19 | 168  | 36648    | 3.88  | ng    | 97     |
| 57) Fluorene               | 10.54 | 166  | 23764    | 3.06  | ng    | 99     |
| 70) Phenanthrene           | 11.51 | 178  | 807095   | 63.89 | ng    | 99     |
| 71) Anthracene             | 11.55 | 178  | 160535   | 12.33 | ng    | 98     |
| 72) Carbazole              | 11.71 | 167  | 79736    | 6.71  | ng    | 98     |
| 74) Fluoranthene           | 12.70 | 202  | 983072   | 72.45 | ng    | 97     |
| 77) Pyrene                 | 12.93 | 202  | 828278   | 59.41 | ng    | 99     |
| 80) Benzo(a)anthracene     | 14.15 | 228  | 467267m  | 38.23 | ng    |        |
| 82) Chrysene               | 14.18 | 228  | 445476m  | 34.59 | ng    |        |
| 85) Indeno(1,2,3-cd)pyrene | 17.21 | 276  | 196628   | 19.21 | ng    | 95     |
| 87) Benzo(b)fluoranthene   | 15.27 | 252  | 493553m  | 37.29 | ng    |        |
| 88) Benzo(k)fluoranthene   | 15.28 | 252  | 222977m  | 20.04 | ng    |        |
| 89) Benzo(a)pyrene         | 15.65 | 252  | 345180   | 30.35 | ng    | 98     |
| 90) Dibenzo(a,h)anthracene | 17.22 | 278  | 55891m   | 6.00  | ng    |        |
| 91) Benzo(g,h,i)perylene   | 17.68 | 276  | 172798   | 19.08 | ng    | 96     |

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

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