

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF053015\  
 Data File : BF079620.D  
 Acq On : 30 May 2015 23:33  
 Operator : TP/IZ  
 Sample : G2420-12 5X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PENRD8.6(5)

Manual Integrations  
 APPROVED

apatel  
 6/1/2015 8:47:29 PM

Quant Time: Jun 01 03:21:09 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 01 02:59:43 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.94  | 152  | 65536    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.51  | 136  | 261599   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.67 | 164  | 125648   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.51 | 188  | 238725   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 15.78 | 240  | 257188   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 17.44 | 264  | 255847   | 20.00 | ng    | -0.08    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.21  | 112  | 87127    | 23.06 | ng    | 0.01     |
| 7) Phenol-d6                | 6.54  | 99   | 112665   | 23.39 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.63  | 82   | 62852    | 13.89 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.66 | 330  | 30688    | 22.24 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.86  | 172  | 116818   | 13.26 | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.50 | 244  | 136055   | 12.42 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 51) Acenaphthene            | 10.71 | 154  | 29715    | 4.04  | ng    | 99       |
| 54) Dibenzofuran            | 10.94 | 168  | 22637    | 2.09  | ng    | 92       |
| 57) Fluorene                | 11.36 | 166  | 30126    | 3.37  | ng    | 98       |
| 70) Phenanthrene            | 12.54 | 178  | 564500   | 43.10 | ng    | 99       |
| 71) Anthracene              | 12.61 | 178  | 95030    | 7.15  | ng    | 99       |
| 72) Carbazole               | 12.82 | 167  | 69155    | 5.40  | ng    | 97       |
| 74) Fluoranthene            | 14.01 | 202  | 900644   | 64.13 | ng    | 97       |
| 77) Pyrene                  | 14.29 | 202  | 766205   | 48.09 | ng    | 97       |
| 80) Benzo(a)anthracene      | 15.77 | 228  | 371752   | 25.13 | ng    | 98       |
| 82) Chrysene                | 15.82 | 228  | 299901   | 21.33 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene  | 18.71 | 276  | 227204   | 12.56 | ng    | 94       |
| 87) Benzo(b)fluoranthene    | 17.03 | 252  | 442321m  | 30.31 | ng    |          |
| 88) Benzo(k)fluoranthene    | 17.05 | 252  | 156309m  | 11.98 | ng    |          |
| 89) Benzo(a)pyrene          | 17.38 | 252  | 311524   | 23.42 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene  | 18.72 | 278  | 46725    | 2.04  | ng    | # 88     |
| 91) Benzo(g,h,i)perylene    | 19.07 | 276  | 225924   | 15.82 | ng    | 96       |

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

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