

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\  
 Data File : BF078633.D  
 Acq On : 18 Apr 2015 9:30  
 Operator : TP/IZ  
 Sample : G1880-03 5X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S2-1-4

Manual Integrations  
 APPROVED

apatel  
 4/20/2015 3:57:30 PM

Quant Time: Apr 20 13:18:43 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 18 05:04:14 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.67  | 152  | 37830    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.25  | 136  | 164370   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.41 | 164  | 87466    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.23 | 188  | 183952   | 20.00 | ng    | 0.01     |
| 75) Chrysene-d12          | 15.49 | 240  | 170735   | 20.00 | ng    | 0.02     |
| 86) Perylene-d12          | 17.17 | 264  | 198706   | 20.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 4.90  | 112  | 37101    | 16.17 | ng    | 0.00     |
| 7) Phenol-d6                | 6.28  | 99   | 50241    | 17.47 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 29598    | 10.91 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.38 | 330  | 14261    | 19.66 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.60  | 172  | 74324    | 12.15 | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.21 | 244  | 95731    | 12.67 | ng    | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 48) Acenaphthylene         | 10.23 | 152  | 132998   | 14.63  | ng    | 99     |
| 51) Acenaphthene           | 10.44 | 154  | 37873    | 7.40   | ng    | 99     |
| 54) Dibenzofuran           | 10.66 | 168  | 74272    | 9.50   | ng    | 95     |
| 57) Fluorene               | 11.07 | 166  | 95044    | 15.00  | ng    | 99     |
| 70) Phenanthrene           | 12.26 | 178  | 1234317  | 116.00 | ng    | 97     |
| 71) Anthracene             | 12.32 | 178  | 386371   | 36.85  | ng    | 100    |
| 72) Carbazole              | 12.54 | 167  | 116487   | 11.85  | ng    | 98     |
| 74) Fluoranthene           | 13.73 | 202  | 1707893  | 152.20 | ng    | 97     |
| 77) Pyrene                 | 14.00 | 202  | 1589193  | 148.27 | ng    | 96     |
| 80) Benzo(a)anthracene     | 15.47 | 228  | 1064977  | 104.84 | ng    | 97     |
| 82) Chrysene               | 15.52 | 228  | 916905m  | 96.07  | ng    |        |
| 85) Indeno(1,2,3-cd)pyrene | 18.35 | 276  | 604473   | 55.81  | ng    | # 90   |
| 87) Benzo(b)fluoranthene   | 16.74 | 252  | 1107320m | 90.17  | ng    |        |
| 88) Benzo(k)fluoranthene   | 16.77 | 252  | 417424m  | 38.25  | ng    |        |
| 89) Benzo(a)pyrene         | 17.11 | 252  | 805240   | 75.13  | ng    | # 93   |
| 90) Dibenzo(a,h)anthracene | 18.35 | 278  | 134950m  | 12.58  | ng    |        |
| 91) Benzo(a,h,i)perylene   | 18.67 | 276  | 538340   | 50.04  | ng    | 100    |

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

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