

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\  
 Data File : BF093781.D  
 Acq On : 20 Mar 2017 23:05  
 Operator : SJ/MA  
 Sample : I2318-03 20X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HP-CT-01

Manual Integrations  
 APPROVED

mohammad  
 3/21/2017 2:45:39 PM

Quant Time: Mar 21 02:05:24 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 20 16:03:59 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 240437   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.13  | 136  | 909567   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.88  | 164  | 407589   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.35 | 188  | 570244   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.98 | 240  | 347530   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.40 | 264  | 354420   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 78363    | 5.70   | ng    | -0.02    |
| 7) Phenol-d6                | 6.45  | 99   | 96689    | 5.69   | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 50340    | 3.14   | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 10285    | 3.26   | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.19  | 172  | 117243   | 4.84   | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.94 | 244  | 64277    | 3.77   | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.16  | 128  | 5825817  | 137.99 | ng    | 97       |
| 37) 2-Methylnaphthalene     | 8.84  | 142  | 1582768  | 57.43  | ng    | 99       |
| 45) 1,1'-Biphenyl           | 9.29  | 154  | 504827   | 15.24  | ng    | 96       |
| 48) Acenaphthylene          | 9.74  | 152  | 1561743  | 37.78  | ng    | 98       |
| 51) Acenaphthene            | 9.91  | 154  | 515620m  | 20.89  | ng    |          |
| 54) Dibenzofuran            | 10.08 | 168  | 517001m  | 15.56  | ng    |          |
| 57) Fluorene                | 10.42 | 166  | 1336971m | 52.55  | ng    |          |
| 70) Phenanthrene            | 11.40 | 178  | 4224132  | 139.09 | ng    | 100      |
| 71) Anthracene              | 11.43 | 178  | 1274765  | 40.77  | ng    | 99       |
| 72) Carbazole               | 11.58 | 167  | 302494   | 9.77   | ng    | 99       |
| 74) Fluoranthene            | 12.57 | 202  | 2202102  | 70.54  | ng    | 96       |
| 77) Pvrene                  | 12.80 | 202  | 2738377  | 94.68  | ng    | 99       |
| 80) Benzo(a)anthracene      | 13.98 | 228  | 1051920m | 48.32  | ng    |          |
| 82) Chrysene                | 14.01 | 228  | 810826   | 37.28  | ng    | # 95     |
| 85) Indeno(1,2,3-cd)pyrene  | 16.76 | 276  | 291972   | 16.39  | ng    | 96       |
| 87) Benzo(b)fluoranthene    | 15.00 | 252  | 760085m  | 31.81  | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.02 | 252  | 294747m  | 16.71  | ng    |          |
| 89) Benzo(a)pyrene          | 15.34 | 252  | 748145   | 38.62  | ng    | 97       |
| 90) Dibenzo(a,h)anthracene  | 16.77 | 278  | 88321    | 5.49   | ng    | # 87     |
| 91) Benzo(a,h,i)perylene    | 17.17 | 276  | 333144   | 20.86  | ng    | 99       |

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

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