

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\  
 Data File : BF107913.D  
 Acq On : 2 Aug 2018 17:01  
 Operator : JU/SJ  
 Sample : J4285-13 10X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KG-PIT-4

Manual Integrations  
 APPROVED

Sohil  
 8/3/2018 12:53:16 PM

Quant Time: Aug 02 18:00:16 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 30 17:48:53 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 110026   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.24  | 136  | 518220   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 181177   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.50 | 188  | 326364   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 342445   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.68 | 264  | 355684   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 36812m   | 5.69   | ng    | 0.11     |
| 7) Phenol-d6                | 6.66  | 99   | 72682m   | 8.52   | ng    | 0.05     |
| 23) Nitrobenzene-d5         | 7.57  | 82   | 49135m   | 5.46   | ng    | 0.04     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 13552    | 5.50   | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 75139    | 5.78   | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.07 | 244  | 81012    | 5.13   | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.26  | 128  | 145103   | 6.024  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.95  | 142  | 30688    | 2.028  | ng    | 97       |
| 48) Acenaphthylene          | 9.86  | 152  | 45578    | 2.364  | ng    | 97       |
| 51) Acenaphthene            | 10.02 | 154  | 53528    | 4.780  | ng    | 97       |
| 54) Dibenzofuran            | 10.21 | 168  | 50216    | 2.901  | ng    | 99       |
| 57) Fluorene                | 10.55 | 166  | 59172    | 4.399  | ng    | 99       |
| 70) Phenanthrene            | 11.52 | 178  | 869909   | 56.135 | ng    | 99       |
| 71) Anthracene              | 11.57 | 178  | 266643   | 14.918 | ng    | 97       |
| 72) Carbazole               | 11.74 | 167  | 136441   | 7.724  | ng    | 98       |
| 74) Fluoranthene            | 12.71 | 202  | 1537359  | 84.444 | ng    | 97       |
| 77) Pyrene                  | 12.95 | 202  | 1433439  | 58.131 | ng    | 98       |
| 80) Benzo(a)anthracene      | 14.14 | 228  | 977046   | 50.368 | ng    | 98       |
| 82) Chrysene                | 14.18 | 228  | 908737   | 43.432 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene  | 17.27 | 276  | 334069   | 20.991 | ng    | # 91     |
| 87) Benzo(b)fluoranthene    | 15.23 | 252  | 1040283m | 59.301 | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.25 | 252  | 415298m  | 19.283 | ng    |          |
| 89) Benzo(a)pyrene          | 15.62 | 252  | 680134   | 37.556 | ng    | 96       |
| 90) Dibenzo(a,h)anthracene  | 17.27 | 278  | 71371m   | 4.518  | ng    |          |
| 91) Benzo(a,h,i)perylene    | 17.75 | 276  | 314695   | 20.588 | ng    | # 93     |

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

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