

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061217\  
 Data File : BF095893.D  
 Acq On : 13 Jun 2017 2:35  
 Operator : SJ/MA  
 Sample : I3594-01DL 10X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-01-060917-ADL

Manual Integrations  
 APPROVED

mohammad  
 6/13/2017 4:11:03 PM

Quant Time: Jun 13 07:16:57 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:15:31 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.35  | 152  | 68864    | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 9.38  | 136  | 293152   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10        | 12.20 | 164  | 132666   | 20.00  | ng    | -0.06    |
| 63) Phenanthrene-d10        | 14.59 | 188  | 220578   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 18.32 | 240  | 140814   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 19.99 | 264  | 135007   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 36712m   | 8.49   | ng    | 0.04     |
| 7) Phenol-d6                | 6.99  | 99   | 46355m   | 8.96   | ng    | 0.03     |
| 23) Nitrobenzene-d5         | 8.32  | 82   | 33009    | 6.99   | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 13.52 | 330  | 11130    | 9.48   | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 11.16 | 172  | 77700    | 8.15   | ng    | -0.05    |
| 78) Terphenyl-d14           | 16.97 | 244  | 51695    | 9.11   | ng    | -0.05    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 9.42  | 128  | 244668   | 16.630 | ng    | 97       |
| 37) 2-Methylnaphthalene     | 10.55 | 142  | 118068   | 11.877 | ng    | 97       |
| 48) Acenaphthylene          | 11.98 | 152  | 42332    | 2.898  | ng    | 97       |
| 51) Acenaphthene            | 12.25 | 154  | 63926    | 7.577  | ng    | 96       |
| 54) Dibenzofuran            | 12.56 | 168  | 41488    | 3.494  | ng    | 97       |
| 57) Fluorene                | 13.10 | 166  | 91452    | 8.850  | ng    | 95       |
| 70) Phenanthrene            | 14.63 | 178  | 568275   | 44.651 | ng    | 98       |
| 71) Anthracene              | 14.72 | 178  | 154712   | 11.644 | ng    | 98       |
| 72) Carbazole               | 15.03 | 167  | 52079    | 4.022  | ng    | 96       |
| 74) Fluoranthene            | 16.42 | 202  | 508367   | 40.357 | ng    | 99       |
| 77) Pyrene                  | 16.72 | 202  | 437876   | 41.675 | ng    | # 93     |
| 80) Benzo(a)anthracene      | 18.30 | 228  | 179785   | 21.960 | ng    | 99       |
| 82) Chrysene                | 18.35 | 228  | 167885m  | 20.520 | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 21.16 | 276  | 106218   | 15.173 | ng    | 93       |
| 87) Benzo(b)fluoranthene    | 19.58 | 252  | 230596   | 27.278 | ng    | 97       |
| 88) Benzo(k)fluoranthene    | 19.61 | 252  | 63070m   | 7.805  | ng    |          |
| 89) Benzo(a)pyrene          | 19.93 | 252  | 170273   | 21.914 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene  | 21.16 | 278  | 27644m   | 4.194  | ng    |          |
| 91) Benzo(g,h,i)perylene    | 21.49 | 276  | 92157    | 13.715 | ng    | 96       |

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

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