

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE102114\  
 Data File : BE088170.D  
 Acq On : 22 Oct 2014 8:01  
 Operator : TP/JJ  
 Sample : F4303-16DL 2X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 YS19-SS06-1014DL

Manual Integrations  
 APPROVED

mohammad  
 10/22/2014 1:56:05 PM

Quant Time: Oct 22 11:14:59 2014  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-PAH-BE102014.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 21 02:11:14 2014  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.14  | 152  | 24839    | 5.00  | ng    | 0.00     |
| 3) Naphthalene-d8           | 8.70  | 136  | 96087    | 5.00  | ng    | 0.00     |
| 7) Acenaphthene-d10         | 10.85 | 164  | 50038    | 5.00  | ng    | 0.00     |
| 12) Phenanthrene-d10        | 12.97 | 188  | 95056    | 5.00  | ng    | 0.00     |
| 16) Chrysene-d12            | 18.38 | 240  | 51868    | 5.00  | ng    | 0.00     |
| 22) Perylene-d12            | 21.44 | 264  | 45328    | 5.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 4) Nitrobenzene-d5          | 7.83  | 82   | 248400   | 35.86 | ng    | 0.00     |
| 8) 2-Fluorobiphenyl         | 10.04 | 172  | 327559   | 23.70 | ng    | 0.00     |
| 18) Terphenyl-d14           | 16.15 | 244  | 251486   | 30.13 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 5) Naphthalene              | 8.72  | 128  | 2337     | 0.12  | ng    | 97       |
| 6) 2-Methylnaphthalene      | 9.57  | 142  | 772      | 0.07  | ng    | # 95     |
| 9) Acenaphthylene           | 10.67 | 152  | 2952     | 0.04  | ng    | # 76     |
| 10) Acenaphthene            | 10.88 | 154  | 3442     | 0.29  | ng    | 96       |
| 11) Fluorene                | 11.55 | 166  | 3517     | 0.28  | ng    | 99       |
| 13) Phenanthrene            | 13.01 | 178  | 204708   | 2.82  | ng    | 95       |
| 14) Anthracene              | 13.09 | 178  | 51559m   | 0.70  | ng    |          |
| 15) Fluoranthene            | 15.25 | 202  | 70005    | 3.87  | ng    | 99       |
| 17) Pyrene                  | 15.70 | 202  | 58557m   | 4.15  | ng    |          |
| 19) Benzo(a)anthracene      | 18.36 | 228  | 95971    | 2.08  | ng    | 98       |
| 20) Chrysene                | 18.44 | 228  | 98117    | 2.17  | ng    | 97       |
| 21) Indeno(1,2,3-cd)pyrene  | 23.64 | 276  | 52288    | 1.04  | ng    | # 83     |
| 23) Benzo(b)fluoranthene    | 20.69 | 252  | 25816    | 2.39  | ng    | 98       |
| 24) Benzo(k)fluoranthene    | 20.74 | 252  | 11955    | 1.03  | ng    | 97       |
| 25) Benzo(a)pyrene          | 21.32 | 252  | 18055    | 1.82  | ng    | 98       |
| 26) Dibenzo(a,h)anthracene  | 23.72 | 278  | 2481     | 0.25  | ng    | # 89     |
| 27) Benzo(g,h,i)perylene    | 24.26 | 276  | 53912    | 1.25  | ng    | 99       |

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

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