

Method Path : Z:\HPCHEM1\BNA\_E\METHODS\  
 Method File : SIM-PAH-BASE-BE010715.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Tue Jan 20 04:29:18 2015  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BE089336.D 0.2 =BE089337.D 0.5 =BE089338.D 0.8 =BE089339.D 1 =BE089340.D 2 =BE089341.D 5 =BE089342.D  
 10 =BE089343.D

| Compound |                       | 0.1            | 0.2   | 0.5   | 0.8   | 1     | 2     | 5     | 10    | Avg   | %RSD  |
|----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----    |                       |                |       |       |       |       |       |       |       |       |       |
| 1) I     | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 2) I     | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 3) S     | Nitrobenzene-d5       | 0.243          | 0.343 | 0.368 | 0.357 | 0.362 | 0.372 | 0.371 | 0.363 | 0.348 | 12.40 |
| 4)       | Naphthalene           | 0.995          | 1.216 | 1.239 | 1.173 | 1.165 | 1.113 | 1.073 | 1.033 | 1.126 | 7.77  |
| 5)       | 2-Methylnaphth...     | 0.625          | 0.754 | 0.777 | 0.739 | 0.724 | 0.694 | 0.677 | 0.643 | 0.704 | 7.64  |
| 6) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 7) S     | 2-Fluorobiphenyl      | 1.136          | 1.480 | 1.493 | 1.403 | 1.409 | 1.399 | 1.319 | 1.268 | 1.364 | 8.67  |
| 8)       | Acenaphthylene        | 7.058          | 8.857 | 9.530 | 8.888 | 8.884 | 8.589 | 8.347 | 8.293 | 8.556 | 8.40  |
| 9) C     | Acenaphthene          | 1.304          | 1.456 | 1.479 | 1.378 | 1.344 | 1.292 | 1.250 | 1.167 | 1.334 | 7.80  |
| 10)      | Fluorene              | 1.208          | 1.524 | 1.597 | 1.485 | 1.440 | 1.435 | 1.408 | 1.325 | 1.428 | 8.41  |
| 11) I    | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 12)      | Phenanthrene          | 4.707          | 5.628 | 5.742 | 5.439 | 5.314 | 5.197 | 4.959 | 4.757 | 5.218 | 7.39  |
| 13)      | Anthracene            | 4.087          | 5.143 | 5.527 | 5.307 | 5.215 | 5.174 | 4.972 | 4.863 | 5.036 | 8.60  |
| 14) C    | Fluoranthene          | 0.973          | 1.175 | 1.241 | 1.203 | 1.188 | 1.183 | 1.121 | 1.139 | 1.153 | 7.07  |
| 15) I    | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 16)      | Pyrene                | 1.393          | 1.755 | 1.815 | 1.724 | 1.643 | 1.620 | 1.617 | 1.564 | 1.641 | 7.94  |
| 17) S    | Terphenyl-d14         | 0.773          | 0.964 | 0.979 | 0.907 | 0.873 | 0.885 | 0.871 | 0.831 | 0.885 | 7.58  |
| 18)      | Benzo(a)anthra...     | 4.571          | 5.401 | 5.419 | 5.203 | 5.044 | 4.988 | 4.957 | 4.982 | 5.071 | 5.40  |
| 19)      | Chrysene              | 4.354          | 5.379 | 5.565 | 5.330 | 5.280 | 5.061 | 4.892 | 4.815 | 5.085 | 7.66  |
| 20)      | Indeno(1,2,3-c...     | 3.609          | 4.649 | 4.933 | 5.066 | 5.379 | 5.222 | 4.974 | 5.126 | 4.870 | 11.36 |
| 21) I    | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 22)      | Benzo(b)fluora...     | 0.822          | 1.042 | 1.176 | 1.105 | 1.121 | 1.141 | 1.155 | 1.176 | 1.092 | 10.78 |
| 23)      | Benzo(k)fluora...     | 1.115          | 1.396 | 1.512 | 1.450 | 1.432 | 1.381 | 1.383 | 1.338 | 1.376 | 8.56  |
| 24) C    | Benzo(a)pyrene        | 0.808          | 1.035 | 1.137 | 1.097 | 1.092 | 1.111 | 1.140 | 1.198 | 1.077 | 10.99 |
| 25)      | Dibenzo(a,h)an...     | 0.704          | 0.903 | 1.049 | 1.022 | 1.027 | 1.028 | 1.062 | 1.103 | 0.987 | 12.94 |
| 26)      | Benzo(g,h,i)pe...     | 3.881          | 4.987 | 5.312 | 5.149 | 5.115 | 5.068 | 5.103 | 5.172 | 4.973 | 9.07  |
| -----    |                       |                |       |       |       |       |       |       |       |       |       |

(#) = Out of Range