

Method Path : Z:\HPCHEM1\BNA\_M\METHODS\  
 Method File : SOM02.2-EPA-SIM-BM021615.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Mon Feb 16 14:03:19 2015  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BM000527.D 0.2 =BM000528.D 0.4 =BM000529.D  
 0.8 =BM000530.D 1.6 =BM000531.D 3.2 =BM000532.D

|       | Compound              | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | Avg   | %RSD  |
|-------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| ----- |                       |                |       |       |       |       |       |       |       |
| 1) I  | 1,4-Dichlorobenzene-d | -----ISTD----- |       |       |       |       |       |       |       |
| 2) I  | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |
| 3)    | Naphthalene           | 1.108          | 1.064 | 1.085 | 1.083 | 1.002 |       | 1.069 | 3.76  |
| 4)    | SURR2-Methylnaphthale | 0.544          | 0.520 | 0.528 | 0.543 | 0.510 |       | 0.529 | 2.77  |
| 5)    | 2-Methylnaphthale     | 0.720          | 0.687 | 0.728 | 0.726 | 0.685 |       | 0.709 | 3.02  |
| 6) I  | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |
| 7)    | Acenaphthylene        | 1.537          | 1.560 | 1.553 | 1.672 | 1.534 |       | 1.571 | 3.65  |
| 8) C  | Acenaphthene          | 1.262          | 1.255 | 1.211 | 1.275 | 1.141 |       | 1.229 | 4.44  |
| 9)    | Fluorene              | 1.468          | 1.445 | 1.485 | 1.523 | 1.360 |       | 1.457 | 4.18  |
| 10) I | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |
| 11)   | Pentachlorophenol     |                | 0.022 | 0.033 | 0.040 | 0.047 | 0.065 | 0.041 | 38.40 |
| 12)   | Phenanthrene          | 1.287          | 1.213 | 1.259 | 1.261 | 1.202 |       | 1.245 | 2.88  |
| 13)   | Anthracene            | 1.104          | 1.067 | 1.095 | 1.153 | 1.105 |       | 1.105 | 2.81  |
| 14)   | SURRFluoranthene-d10  | 0.931          | 0.883 | 0.870 | 0.923 | 0.874 |       | 0.896 | 3.18  |
| 15) C | Fluoranthene          | 1.437          | 1.365 | 1.425 | 1.451 | 1.399 |       | 1.415 | 2.40  |
| 16) I | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |
| 17)   | Pyrene                | 1.737          | 1.671 | 1.684 | 1.658 | 1.559 |       | 1.662 | 3.90  |
| 18)   | Benzo(a)anthracen     | 1.319          | 1.235 | 1.245 | 1.283 | 1.243 |       | 1.265 | 2.79  |
| 19)   | Chrysene              | 1.511          | 1.521 | 1.477 | 1.469 | 1.383 |       | 1.472 | 3.71  |
| 20) I | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |
| 21)   | Benzo(b)fluoranth     | 1.534          | 1.613 | 1.489 | 1.540 | 1.453 |       | 1.526 | 3.95  |
| 22)   | Benzo(k)fluoranth     | 1.620          | 1.457 | 1.643 | 1.665 | 1.567 |       | 1.590 | 5.23  |
| 23) C | Benzo(a)pyrene        | 1.482          | 1.403 | 1.415 | 1.440 | 1.378 |       | 1.424 | 2.77  |
| 24)   | Indeno(1,2,3-cd)p     | 1.458          | 1.459 | 1.492 | 1.551 | 1.485 |       | 1.489 | 2.55  |
| 25)   | Dibenzo(a,h)anthr     | 1.101          | 1.114 | 1.148 | 1.215 | 1.174 |       | 1.150 | 4.00  |
| 26)   | Benzo(g,h,i)peryl     | 1.363          | 1.333 | 1.325 | 1.375 | 1.288 |       | 1.337 | 2.57  |

(#) = Out of Range