

Method Path : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\  
 Method File : 8270-SIM-BN073018.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Mon Jul 30 16:17:29 2018  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN002181.D 0.2 =BN002187.D 0.4 =BN002183.D 0.8 =BN002184.D 1.6 =BN002185.D  
 3.2 =BN002186.D

|           | Compound              |                | 0.1   | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | Avg   | %RSD  |
|-----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----     |                       |                |       |       |       |       |       |       |       |       |
| 1) I      | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |
| 2)        | 1,4-Dioxane           |                | 0.579 | 0.445 | 0.406 | 0.432 | 0.419 | 0.422 | 0.450 | 14.26 |
| 3)        | n-Nitrosodimet...     |                | 0.219 | 0.231 | 0.269 | 0.327 | 0.364 | 0.403 | 0.302 | 24.62 |
| 4) S      | 2-Fluorophenol        |                | 1.032 | 0.833 | 0.885 | 0.933 | 0.943 | 0.973 | 0.933 | 7.38  |
| 5) S      | Phenol-d6             |                | 1.251 | 0.924 | 1.055 | 1.143 | 1.185 | 1.250 | 1.135 | 11.16 |
| 6)        | bis(2-Chloroet...     |                | 1.141 | 0.898 | 1.085 | 1.141 | 1.109 | 1.172 | 1.091 | 9.09  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 7) I      | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |
| 8) S      | Nitrobenzene-d5       |                | 0.312 | 0.265 | 0.295 | 0.306 | 0.312 | 0.317 | 0.301 | 6.38  |
| 9)        | Naphthalene           |                | 0.966 | 0.863 | 0.885 | 0.908 | 0.897 | 0.891 | 0.902 | 3.89  |
| 10)       | Hexachlorobuta...     |                | 0.216 | 0.193 | 0.191 | 0.194 | 0.189 | 0.188 | 0.195 | 5.33  |
| 11) SURR2 | 2-Methylnaphth...     |                | 0.619 | 0.576 | 0.571 | 0.592 | 0.587 | 0.589 | 0.589 | 2.82  |
| 12)       | 2-Methylnaphth...     |                | 0.626 | 0.555 | 0.603 | 0.623 | 0.626 | 0.626 | 0.610 | 4.67  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 13) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 14) S     | 2,4,6-Tribromo...     |                | 0.181 | 0.127 | 0.167 | 0.183 | 0.174 | 0.193 | 0.171 | 13.56 |
| 15) S     | 2-Fluorobiphenyl      |                | 1.703 | 1.501 | 1.452 | 1.522 | 1.519 | 1.516 | 1.536 | 5.62  |
| 16)       | Acenaphthylene        |                | 1.728 | 1.532 | 1.625 | 1.756 | 1.784 | 1.828 | 1.709 | 6.45  |
| 17)       | Acenaphthene          |                | 1.149 | 1.046 | 1.055 | 1.113 | 1.109 | 1.122 | 1.099 | 3.64  |
| 18)       | Fluorene              |                | 1.433 | 1.231 | 1.341 | 1.401 | 1.346 | 1.359 | 1.352 | 5.11  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 19) I     | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 20)       | 4-Bromophenyl-...     |                | 0.220 | 0.206 | 0.208 | 0.229 | 0.244 | 0.251 | 0.226 | 8.19  |
| 21)       | Hexachlorobenzene     |                | 0.256 | 0.246 | 0.235 | 0.248 | 0.259 | 0.259 | 0.250 | 3.81  |
| 22)       | Pentachlorophenol     |                | 0.044 | 0.031 | 0.044 | 0.050 | 0.060 |       | 0.046 | 23.25 |
| 23)       | Phenanthrene          |                | 1.036 | 0.910 | 0.957 | 1.010 | 1.022 | 1.037 | 0.995 | 5.13  |
| 24)       | Anthracene            |                | 0.784 | 0.669 | 0.781 | 0.864 | 0.887 | 0.953 | 0.823 | 12.09 |
| 25) SURR  | Fluoranthene-d10      |                | 1.095 | 0.911 | 1.006 | 1.018 | 0.938 | 0.961 | 0.988 | 6.68  |
| 26)       | Fluoranthene          |                | 1.182 | 0.926 | 1.113 | 1.141 | 1.054 | 1.083 | 1.083 | 8.21  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 27) I     | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 28)       | Pvrene                |                | 1.253 | 1.141 | 1.107 | 1.235 | 1.171 | 1.193 | 1.183 | 4.69  |
| 29) S     | Terphenyl-d14         |                | 0.999 | 0.797 | 0.793 | 0.889 | 0.824 | 0.825 | 0.855 | 9.20  |
| 30)       | Benzo(a)anthra...     |                | 1.089 | 0.902 | 0.965 | 1.028 | 1.001 | 1.052 | 1.006 | 6.60  |
| 31)       | Chrysene              |                | 1.299 | 1.119 | 1.086 | 1.104 | 1.073 | 1.076 | 1.126 | 7.69  |
| 32)       | Bis(2-ethylhex...     |                | 0.570 | 0.401 | 0.452 | 0.461 | 0.414 | 0.463 | 0.460 | 12.93 |
| 33)       | Indeno(1,2,3-c...     |                | 1.080 | 1.151 | 0.898 | 0.953 | 1.137 | 1.148 | 1.061 | 10.32 |
|           |                       |                |       |       |       |       |       |       |       |       |
| 34) I     | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 35)       | Benzo(b)fluora...     |                | 1.304 | 1.069 | 1.163 | 1.166 | 1.157 | 1.198 | 1.176 | 6.47  |
| 36)       | Benzo(k)fluora...     |                | 1.371 | 1.106 | 1.161 | 1.244 | 1.218 | 1.225 | 1.221 | 7.32  |
| 37) C     | Benzo(a)pyrene        |                | 1.135 | 0.987 | 1.018 | 1.067 | 1.081 | 1.107 | 1.066 | 5.18  |
| 38)       | Dibenzo(a,h)an...     |                | 1.023 | 1.012 | 0.910 | 1.011 | 1.116 | 1.150 | 1.037 | 8.26  |
| 39)       | Benzo(g,h,i)pe...     |                | 1.067 | 1.061 | 0.938 | 1.024 | 1.124 | 1.144 | 1.060 | 6.97  |

(#) = Out of Range