

Method Path : Z:\HPCHEM1\BNA\_E\METHODS\  
 Method File : 8270-SIM-BE041118.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Thu Apr 12 14:13:59 2018  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BE095968.D 0.2 =BE095969.D 0.4 =BE095970.D 0.8 =BE095971.D 1.6 =BE095972.D  
 3.2 =BE095973.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           |                | 0.602 | 0.662 | 0.574 | 0.651 | 0.616 | 0.604 | 0.618 | 5.35  |
| 3)        | n-Nitrosodimet...     |                | 0.705 | 0.711 | 0.697 | 0.793 | 0.822 | 0.814 | 0.757 | 7.76  |
| 4) S      | 2-Fluorophenol        |                | 1.262 | 1.271 | 1.174 | 1.223 | 1.258 | 1.234 | 1.237 | 2.90  |
| 5) S      | Phenol-d6             |                | 1.725 | 1.683 | 1.625 | 1.718 | 1.738 | 1.752 | 1.707 | 2.71  |
| 6)        | bis(2-Chloroet...     |                | 1.507 | 1.519 | 1.441 | 1.517 | 1.528 | 1.501 | 1.502 | 2.10  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 7) I      | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |
| 8) S      | Nitrobenzene-d5       |                | 0.481 | 0.474 | 0.430 | 0.471 | 0.485 | 0.474 | 0.469 | 4.22  |
| 9)        | Naphthalene           |                | 4.382 | 4.399 | 3.958 | 4.213 | 4.284 | 4.067 | 4.217 | 4.17  |
| 10)       | Hexachlorobuta...     |                | 0.202 | 0.199 | 0.169 | 0.206 | 0.164 | 0.180 | 0.187 | 9.64  |
| 11) SURR2 | 2-Methylnaphth...     |                | 0.638 | 0.662 | 0.593 | 0.635 | 0.644 | 0.631 | 0.634 | 3.64  |
| 12)       | 2-Methylnaphth...     |                | 0.710 | 0.715 | 0.647 | 0.703 | 0.720 | 0.693 | 0.698 | 3.84  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 13) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 14) S     | 2,4,6-Tribromo...     |                | 0.188 | 0.184 | 0.176 | 0.191 | 0.208 | 0.213 | 0.193 | 7.41  |
| 15) S     | 2-Fluorobiphenyl      |                | 1.748 | 1.750 | 1.638 | 1.718 | 1.723 | 1.690 | 1.711 | 2.47  |
| 16)       | Acenaphthylene        |                | 2.087 | 2.209 | 1.979 | 2.169 | 2.206 | 2.164 | 2.136 | 4.15  |
| 17)       | Acenaphthene          |                | 1.276 | 1.299 | 1.189 | 1.282 | 1.342 | 1.314 | 1.284 | 4.06  |
| 18)       | Fluorene              |                | 1.608 | 1.638 | 1.479 | 1.604 | 1.627 | 1.575 | 1.588 | 3.62  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 19) I     | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 20)       | 4-Bromophenyl-...     |                | 0.235 | 0.246 | 0.223 | 0.238 | 0.245 | 0.239 | 0.238 | 3.43  |
| 21)       | Hexachlorobenzene     |                | 0.234 | 0.244 | 0.229 | 0.238 | 0.241 | 0.235 | 0.237 | 2.26  |
| 22)       | Pentachlorophenol     |                | 0.062 | 0.063 | 0.063 | 0.076 | 0.096 | 0.106 | 0.078 | 24.42 |
| 23)       | Phenanthrene          |                | 1.121 | 1.165 | 1.061 | 1.127 | 1.156 | 1.113 | 1.124 | 3.29  |
| 24)       | Anthracene            |                | 1.057 | 1.074 | 0.988 | 1.093 | 1.135 | 1.098 | 1.074 | 4.62  |
| 25) SURR  | Fluoranthene-d10      |                | 5.471 | 5.583 | 5.015 | 5.469 | 5.642 | 5.402 | 5.430 | 4.07  |
| 26)       | Fluoranthene          |                | 1.486 | 1.504 | 1.369 | 1.490 | 1.551 | 1.461 | 1.477 | 4.11  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 27) I     | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 28)       | Pyrene                |                | 0.734 | 0.930 | 0.710 | 0.813 | 0.700 | 0.840 | 0.788 | 11.39 |
| 29) S     | Terphenyl-d14         |                | 0.894 | 0.928 | 0.809 | 0.903 | 0.896 | 0.874 | 0.884 | 4.59  |
| 30)       | Benzo(a)anthra...     |                | 1.334 | 1.340 | 1.177 | 1.278 | 1.306 | 1.261 | 1.283 | 4.70  |
| 31)       | Chrysene              |                | 1.280 | 1.269 | 1.177 | 1.292 | 1.227 | 1.189 | 1.239 | 3.93  |
| 32)       | Bis(2-ethylhex...     |                | 3.522 | 3.382 | 3.084 | 3.291 | 3.350 | 3.235 | 3.311 | 4.46  |
| 33)       | Indeno(1,2,3-c...     |                | 1.221 | 1.211 | 1.132 | 1.226 | 1.231 | 1.188 | 1.201 | 3.12  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 34) I     | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 35)       | Benzo(b)fluora...     |                | 1.206 | 1.215 | 1.139 | 1.215 | 1.223 | 1.201 | 1.200 | 2.57  |
| 36)       | Benzo(k)fluora...     |                | 1.222 | 1.286 | 1.152 | 1.268 | 1.244 | 1.233 | 1.234 | 3.78  |
| 37) C     | Benzo(a)pyrene        |                | 1.157 | 1.185 | 1.082 | 1.173 | 1.172 | 1.151 | 1.153 | 3.22  |
| 38)       | Dibenzo(a,h)an...     |                | 0.996 | 1.003 | 0.935 | 1.054 | 1.057 | 1.055 | 1.017 | 4.74  |
| 39)       | Benzo(g,h,i)pe...     |                | 1.095 | 1.102 | 1.017 | 1.089 | 1.085 | 1.066 | 1.076 | 2.90  |

(#) = Out of Range