

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\  
 Method File : 8270-SIM-BN120622.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Wed Dec 07 02:02:07 2022  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN023071.D 0.2 =BN023072.D 0.4 =BN023073.D 0.8 =BN023074.D 1.6 =BN023075.D 3.2 =BN023076.D 5.0 =BN023077.D

|          | Compound              | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | 5.0   | Avg   | %RSD  |
|----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----    |                       |                |       |       |       |       |       |       |       |       |
| 1) I     | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |
| 2)       | 1,4-Dioxane           | 0.570          | 0.517 | 0.433 | 0.519 | 0.525 | 0.490 | 0.463 | 0.502 | 8.93  |
| 3)       | n-Nitrosodimet...     | 0.479          | 0.494 | 0.421 | 0.523 | 0.545 | 0.535 | 0.517 | 0.502 | 8.40  |
| 4) S     | 2-Fluorophenol        | 1.068          | 1.007 | 0.817 | 0.917 | 0.940 | 0.933 | 0.908 | 0.941 | 8.42  |
| 5) S     | Phenol-d6             | 1.312          | 1.219 | 1.002 | 1.144 | 1.201 | 1.227 | 1.227 | 1.190 | 8.13  |
| 6)       | bis(2-Chloroet...     | 1.390          | 1.339 | 1.120 | 1.306 | 1.329 | 1.272 | 1.221 | 1.282 | 6.97  |
|          |                       |                |       |       |       |       |       |       |       |       |
| 7) I     | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |
| 8) S     | Nitrobenzene-d5       | 0.299          | 0.292 | 0.248 | 0.289 | 0.313 | 0.322 | 0.334 | 0.300 | 9.33  |
| 9)       | Naphthalene           | 1.217          | 1.192 | 1.022 | 1.175 | 1.245 | 1.233 | 1.227 | 1.187 | 6.46  |
| 10)      | Hexachlorobuta...     | 0.232          | 0.228 | 0.193 | 0.222 | 0.233 | 0.224 | 0.222 | 0.222 | 6.04  |
| 11) SURR | 2-Methylnaphth...     | 0.642          | 0.779 | 0.733 | 0.805 | 0.881 | 0.878 | 0.902 | 0.803 | 11.70 |
| 12)      | 2-Methylnaphth...     | 0.189          | 0.177 | 0.164 | 0.192 | 0.223 | 0.253 | 0.276 | 0.211 | 19.64 |
|          |                       |                |       |       |       |       |       |       |       |       |
| 13) I    | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 14) S    | 2,4,6-Tribromo...     | 0.161          | 0.155 | 0.140 | 0.158 | 0.179 | 0.194 | 0.208 | 0.171 | 13.99 |
| 15) S    | 2-Fluorobiphenyl      | 1.820          | 1.796 | 1.541 | 1.753 | 1.840 | 1.824 | 1.797 | 1.767 | 5.87  |
| 16)      | Acenaphthylene        | 1.674          | 1.693 | 1.543 | 1.814 | 2.036 | 2.183 | 2.248 | 1.884 | 14.48 |
| 17)      | Acenaphthene          | 1.339          | 1.329 | 1.173 | 1.342 | 1.438 | 1.466 | 1.470 | 1.365 | 7.68  |
| 18)      | Fluorene              | 1.615          | 1.549 | 1.411 | 1.606 | 1.767 | 1.743 | 1.783 | 1.639 | 8.25  |
|          |                       |                |       |       |       |       |       |       |       |       |
| 19) I    | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 20)      | 4,6-Dinitro-2-...     | 0.046          | 0.048 | 0.046 | 0.056 | 0.068 |       |       | 0.053 | 17.91 |
| 21)      | 4-Bromophenyl-...     | 0.245          | 0.238 | 0.209 | 0.243 | 0.261 | 0.266 | 0.271 | 0.247 | 8.58  |
| 22)      | Hexachlorobenzene     | 0.306          | 0.305 | 0.268 | 0.315 | 0.334 | 0.329 | 0.331 | 0.312 | 7.36  |
| 23)      | Atrazine              | 0.164          | 0.161 | 0.140 | 0.165 | 0.187 | 0.204 | 0.215 | 0.177 | 14.98 |
| 24)      | Pentachlorophenol     | 0.072          | 0.080 | 0.074 | 0.094 | 0.111 |       |       | 0.086 | 18.85 |
| 25)      | Phenanthrene          | 1.377          | 1.323 | 1.161 | 1.338 | 1.427 | 1.441 | 1.466 | 1.362 | 7.59  |
| 26)      | Anthracene            | 0.988          | 0.996 | 0.898 | 1.049 | 1.188 | 1.251 | 1.306 | 1.097 | 13.91 |
| 27) SURR | Fluoranthene-d10      | 1.057          | 1.047 | 0.917 | 1.062 | 1.163 | 1.204 | 1.255 | 1.101 | 10.39 |
| 28)      | Fluoranthene          | 1.389          | 1.392 | 1.239 | 1.463 | 1.611 | 1.636 | 1.653 | 1.483 | 10.50 |
|          |                       |                |       |       |       |       |       |       |       |       |
| 29) I    | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 30)      | Pyrene                | 1.803          | 1.733 | 1.495 | 1.684 | 1.758 | 1.764 | 1.791 | 1.718 | 6.17  |
| 31) S    | Terphenyl-d14         | 0.922          | 0.888 | 0.718 | 0.738 | 0.842 | 0.830 | 0.852 | 0.827 | 9.05  |
| 32)      | Benzo(a)anthra...     | 1.486          | 1.440 | 1.270 | 1.416 | 1.543 | 1.625 | 1.682 | 1.495 | 9.22  |
| 33)      | Chrysene              | 1.665          | 1.624 | 1.433 | 1.647 | 1.710 | 1.706 | 1.710 | 1.642 | 5.97  |
| 34)      | Bis(2-ethylhex...     | 0.700          | 0.602 | 0.497 | 0.566 | 0.618 | 0.685 | 0.768 | 0.634 | 14.34 |
|          |                       |                |       |       |       |       |       |       |       |       |
| 35) I    | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |

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|       |                   |       |       |       |       |       |       |       |       |       |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 36)   | Indeno(1,2,3-c... | 1.978 | 2.010 | 1.785 | 2.161 | 2.324 | 2.399 | 2.441 | 2.157 | 11.34 |
| 37)   | Benzo(b)fluora... | 1.697 | 1.744 | 1.569 | 1.842 | 1.966 | 2.023 | 2.059 | 1.843 | 9.92  |
| 38)   | Benzo(k)fluora... | 1.681 | 1.742 | 1.568 | 1.878 | 2.050 | 2.100 | 2.138 | 1.880 | 11.89 |
| 39) C | Benzo(a)pyrene    | 1.464 | 1.353 | 1.210 | 1.456 | 1.603 | 1.657 | 1.723 | 1.495 | 12.01 |
| 40)   | Dibenzo(a,h)an... | 1.538 | 1.574 | 1.412 | 1.726 | 1.855 | 1.910 | 1.932 | 1.707 | 11.90 |
| 41)   | Benzo(g,h,i)pe... | 1.580 | 1.642 | 1.493 | 1.770 | 1.903 | 1.981 | 2.004 | 1.768 | 11.45 |

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(#) = Out of Range