# Response Factor Report BNA_N

Method Path : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\
Method File : 8270-SIM-BN101718.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 18 15:26:23 2018
Response Via : Initial Calibration

Calibration Files
0.1 =BN003173.D 0.2 =BN003174.D 0.4 =BN003175.D
0.8 =BN003176.D 1.6 =BN003177.D 3.2 =BN003178.D

| | | Compound | 0.1 | 0.2 | 0.4 | 0.8 | 1.6 | 3.2 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzene-d | ---------- | ISTD | ---------- | | | | | |
| 2) | | 1,4-Dioxane | 1.176 | 0.719 | 0.519 | 0.528 | 0.499 | 0.508 | 0.658 | 40.55 |
| 3) | | n-Nitrosodimethyl | 0.036 | 0.100 | 0.202 | 0.234 | 0.283 | 0.310 | 0.194 | 54.90 |
| 4) | S | 2-Fluorophenol | 0.639 | 0.973 | 0.906 | 0.897 | 0.933 | 0.951 | 0.883 | 13.89 |
| 5) | S | Phenol-d6 | 1.386 | 1.221 | 1.162 | 1.160 | 1.266 | 1.362 | 1.259 | 7.74 |
| 6) | | bis(2-Chloroethyl | 0.926 | 0.848 | 1.097 | 1.181 | 1.117 | 1.169 | 1.056 | 12.97 |
| 7) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.272 | 0.194 | 0.234 | 0.266 | 0.280 | 0.299 | 0.258 | 14.59 |
| 9) | | Naphthalene | 1.062 | 1.035 | 0.961 | 0.969 | 0.963 | 0.984 | 0.996 | 4.28 |
| 10) | | Hexachlorobutadie | 0.216 | 0.207 | 0.188 | 0.188 | 0.182 | 0.188 | 0.195 | 7.00 |
| 11) | SURR | 2-Methylnaphthale | 0.726 | 0.683 | 0.647 | 0.661 | 0.662 | 0.682 | 0.677 | 4.08 |
| 12) | | 2-Methylnaphthale | 0.669 | 0.681 | 0.652 | 0.679 | 0.690 | 0.716 | 0.681 | 3.16 |
| 13) | I | Acenaphthene-d10 | ---------- | ISTD | ---------- | | | | | |
| 14) | S | 2,4,6-Tribromophe | 0.283 | 0.263 | 0.223 | 0.247 | 0.248 | 0.266 | 0.255 | 8.04 |
| 15) | S | 2-Fluorobiphenyl | 1.630 | 1.690 | 1.500 | 1.572 | 1.495 | 1.563 | 1.575 | 4.80 |
| 16) | | Acenaphthylene | 1.751 | 1.790 | 1.739 | 1.781 | 1.862 | 1.988 | 1.818 | 5.14 |
| 17) | | Acenaphthene | 1.197 | 1.241 | 1.159 | 1.213 | 1.207 | 1.244 | 1.210 | 2.60 |
| 18) | | Fluorene | 1.573 | 1.618 | 1.516 | 1.581 | 1.557 | 1.608 | 1.575 | 2.35 |
| 19) | I | Phenanthrene-d10 | ---------- | ISTD | ---------- | | | | | |
| 20) | | 4-Bromophenyl-phe | 0.229 | 0.206 | 0.211 | 0.219 | 0.230 | 0.245 | 0.223 | 6.41 |
| 21) | | Hexachlorobenzene | 0.243 | 0.255 | 0.237 | 0.243 | 0.245 | 0.258 | 0.247 | 3.21 |
| 22) | | Pentachlorophenol | 0.042 | 0.038 | 0.039 | 0.045 | 0.055 | | 0.044 | 15.35 |
| 23) | | Phenanthrene | 1.063 | 1.042 | 1.005 | 1.040 | 1.043 | 1.091 | 1.047 | 2.69 |
| 24) | | Anthracene | 0.904 | 0.948 | 0.911 | 0.960 | 0.989 | 1.044 | 0.959 | 5.43 |
| 25) | SURR | Fluoranthene-d10 | 1.316 | 1.288 | 1.180 | 1.199 | 1.201 | 1.254 | 1.240 | 4.44 |
| 26) | | Fluoranthene | 1.420 | 1.384 | 1.280 | 1.300 | 1.309 | 1.360 | 1.342 | 4.06 |
| 27) | I | Chrysene-d12 | ---------- | ISTD | ---------- | | | | | |
| 28) | | Pyrene | 1.176 | 1.150 | 1.039 | 1.114 | 1.104 | 1.131 | 1.119 | 4.21 |
| 29) | S | Terphenyl-d14 | 0.983 | 0.916 | 0.792 | 0.845 | 0.824 | 0.840 | 0.867 | 8.10 |
| 30) | | Benzo(a)anthracen | 1.110 | 1.125 | 0.936 | 1.092 | 1.093 | 1.096 | 1.075 | 6.47 |
| 31) | | Chrysene | 1.361 | 1.270 | 1.194 | 1.192 | 1.143 | 1.215 | 1.229 | 6.23 |
| 32) | | Bis(2-ethylhexyl) | 0.930 | 0.744 | 0.612 | 0.631 | 0.642 | 0.678 | 0.706 | 16.86 |
| 33) | | Indeno(1,2,3-cd)p | 1.542 | 1.537 | 1.334 | 1.417 | 1.428 | 1.458 | 1.453 | 5.44 |
| 34) | I | Perylene-d12 | ---------- | ISTD | ---------- | | | | | |
| 35) | | Benzo(b)fluoranth | 1.101 | 1.100 | 0.986 | 1.078 | 1.088 | 1.130 | 1.080 | 4.59 |
| 36) | | Benzo(k)fluoranth | 1.429 | 1.318 | 1.218 | 1.231 | 1.207 | 1.246 | 1.275 | 6.66 |
| 37) | C | Benzo(a)pyrene | 1.182 | 1.155 | 1.036 | 1.089 | 1.088 | 1.130 | 1.114 | 4.74 |
| 38) | | Dibenzo(a,h)anthr | 1.183 | 1.176 | 1.054 | 1.111 | 1.130 | 1.171 | 1.138 | 4.38 |
| 39) | | Benzo(g,h,i)peryl | 1.218 | 1.203 | 1.068 | 1.115 | 1.125 | 1.164 | 1.149 | 4.94 |

(#) = Out of Range