# Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_E\METHODS\
Method File : 8270-SIM-BE042016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 20 18:55:38 2016
Response Via : Initial Calibration

Calibration Files
0.1 =BE091682.D 0.2 =BE091683.D 0.4 =BE091684.D 0.8 =BE091685.D 1.6 =BE091686.D 3.2 =BE091687.D 5 =BE091688.D
10 =BE091689.D

| | | Compound | 0.1 | 0.2 | 0.4 | 0.8 | 1.6 | 3.2 | 5 | 10 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | | |
| 2) | | 1,4-Dioxane | 0.832 | 0.638 | 0.684 | 0.627 | 0.534 | 0.557 | 0.533 | 0.517 | 0.615 | 17.24 |
| 3) | | n-Nitrosodimet... | 0.655 | 0.588 | 0.682 | 0.779 | 0.707 | 0.762 | 0.762 | 0.807 | 0.718 | 10.24 |
| 4) | S | 2-Fluorophenol | 1.217 | 1.053 | 1.065 | 1.078 | 1.009 | 1.125 | 1.121 | 1.181 | 1.106 | 6.23 |
| 5) | S | Phenol-d6 | 1.484 | 1.353 | 1.397 | 1.411 | 1.403 | 1.580 | 1.612 | 1.731 | 1.496 | 8.83 |
| 6) | | bis(2-Chloroet... | 1.302 | 1.267 | 1.306 | 1.378 | 1.270 | 1.399 | 1.395 | 1.432 | 1.344 | 4.81 |
| 7) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.237 | 0.227 | 0.240 | 0.263 | 0.249 | 0.287 | 0.297 | 0.333 | 0.267 | 13.58 |
| 9) | | Nitrobenzene | 0.239 | 0.220 | 0.241 | 0.272 | 0.262 | 0.311 | 0.325 | | 0.267 | 14.47 |
| 10) | | Naphthalene | 1.076 | 1.018 | 1.034 | 1.083 | 0.964 | 1.016 | 0.976 | 0.989 | 1.019 | 4.27 |
| 11) | | Hexachlorobuta... | 0.155 | 0.144 | 0.147 | 0.154 | 0.136 | 0.147 | 0.140 | 0.143 | 0.146 | 4.34 |
| 12) | | 2-Methylnaphth... | 0.658 | 0.619 | 0.647 | 0.674 | 0.625 | 0.678 | 0.660 | 0.668 | 0.654 | 3.35 |
| 13) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | | |
| 14) | S | 2,4,6-Tribromo... | 0.097 | 0.087 | 0.093 | 0.113 | 0.120 | 0.148 | 0.159 | | 0.117 | 23.76 |
| 15) | S | 2-Fluorobiphenyl | 1.429 | 1.345 | 1.387 | 1.491 | 1.311 | 1.399 | 1.346 | 1.355 | 1.383 | 4.12 |
| 16) | | Acenaphthylene | 2.192 | 1.845 | 1.820 | 1.933 | 1.870 | 2.106 | 2.055 | 2.170 | 1.999 | 7.51 |
| 17) | | Acenaphthene | 1.271 | 1.172 | 1.208 | 1.309 | 1.193 | 1.254 | 1.200 | 1.242 | 1.231 | 3.74 |
| 18) | | Fluorene | 1.545 | 1.441 | 1.501 | 1.576 | 1.479 | 1.590 | 1.534 | 1.544 | 1.526 | 3.27 |
| 19) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | | |
| 20) | | 4-Bromophenyl-... | 0.158 | 0.156 | 0.169 | 0.175 | 0.167 | 0.186 | 0.185 | 0.169 | 0.171 | 6.47 |
| 21) | | Hexachlorobenzene | 0.178 | 0.183 | 0.187 | 0.192 | 0.181 | 0.192 | 0.186 | 0.169 | 0.183 | 4.15 |
| 22) | | Pentachlorophenol | | 0.036 | 0.041 | 0.054 | 0.057 | 0.079 | 0.090 | | 0.060 | 35.06 |
| 23) | | Phenanthrene | 1.072 | 1.137 | 1.169 | 1.187 | 1.103 | 1.168 | 1.131 | 1.016 | 1.123 | 5.11 |
| 24) | | Anthracene | 0.913 | 0.907 | 0.960 | 1.030 | 0.989 | 1.104 | 1.100 | 1.014 | 1.002 | 7.53 |
| 25) | | Fluoranthene | 1.004 | 1.029 | 1.073 | 1.144 | 1.081 | 1.204 | 1.220 | 1.127 | 1.110 | 7.02 |
| 26) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | | |
| 27) | | Benzidine | 0.206 | 0.178 | 0.178 | 0.216 | 0.259 | 0.343 | 0.441 | 0.513 | 0.292 | 43.69 |
| 28) | | Pyrene | 1.124 | 1.068 | 1.083 | 1.145 | 1.136 | 1.242 | 1.283 | 1.160 | 1.155 | 6.39 |
| 29) | S | Terphenyl-d14 | 0.835 | 0.778 | 0.744 | 0.817 | 0.772 | 0.838 | 0.811 | 0.749 | 0.793 | 4.68 |
| 30) | | Benzo(a)anthra... | 1.299 | 1.150 | 1.122 | 1.201 | 1.156 | 1.290 | 1.275 | 1.229 | 1.215 | 5.67 |
| 31) | | 3,3'-Dichlorob... | 0.390 | 0.358 | 0.370 | 0.440 | 0.476 | 0.611 | 0.752 | 0.685 | 0.510 | 29.83 |
| 32) | | Chrysene | 1.483 | 1.338 | 1.294 | 1.382 | 1.206 | 1.330 | 1.314 | 1.248 | 1.324 | 6.35 |
| 33) | | Bis(2-ethylhex... | 0.217 | 0.189 | 0.170 | 0.210 | 0.219 | 0.287 | 0.340 | | 0.233 | 25.54 |

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| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 34) | | Indeno(1,2,3-c... | 1.292 | 1.116 | 1.084 | 1.215 | 1.094 | 1.237 | 1.197 | 1.244 | 1.185 | 6.53 |
| 35) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | | | |
| 36) | | Benzo(b)fluora... | 1.378 | 1.142 | 1.137 | 1.191 | 1.121 | 1.232 | 1.191 | 1.201 | 1.199 | 6.78 |
| 37) | | Benzo(k)fluora... | 1.367 | 1.122 | 1.124 | 1.178 | 1.080 | 1.219 | 1.151 | 1.198 | 1.180 | 7.45 |
| 38) | C | Benzo(a)pyrene | 1.057 | 0.939 | 0.952 | 1.037 | 0.976 | 1.110 | 1.082 | 1.144 | 1.037 | 7.27 |
| 39) | | Dibenzo(a,h)an... | 1.171 | 0.975 | 0.977 | 1.091 | 0.991 | 1.112 | 1.070 | 1.118 | 1.063 | 6.94 |
| 40) | | Benzo(g,h,i)pe... | 1.234 | 1.037 | 1.030 | 1.101 | 0.997 | 1.114 | 1.073 | 1.137 | 1.090 | 6.85 |

(#) = Out of Range