# Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_E\METHODS\
Method File : 8270-SIM-BE101617.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 16 14:54:40 2017
Response Via : Initial Calibration

Calibration Files
0.1 =BE094411.D 0.2 =BE094412.D 0.4 =BE094413.D
0.8 =BE094414.D 1.6 =BE094415.D 3.2 =BE094416.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 | 0.899 | 0.783 | 0.700 | 0.643 | 0.594 | 0.570 | 0.698 | 17.87 |
| 3) | | n-Nitrosodimethyl | 0.649 | 0.736 | 0.694 | 0.664 | 0.709 | 0.719 | 0.695 | 4.82 |
| 4) | S | 2-Fluorophenol | 1.402 | 1.363 | 1.368 | 1.325 | 1.326 | 1.327 | 1.352 | 2.32 |
| 5) | S | Phenol-d6 | 2.074 | 2.048 | 2.169 | 2.115 | 2.136 | 2.108 | 2.108 | 2.04 |
| 6) | | bis(2-Chloroethyl | 1.530 | 1.535 | 1.617 | 1.541 | 1.577 | 1.554 | 1.559 | 2.11 |
| 7) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.330 | 0.344 | 0.345 | 0.351 | 0.355 | 0.361 | 0.348 | 3.02 |
| 9) | | Naphthalene | 4.675 | 4.529 | 4.489 | 4.388 | 4.387 | 4.369 | 4.473 | 2.64 |
| 10) | | Hexachlorobutadie | 0.187 | 0.189 | 0.178 | 0.178 | 0.173 | 0.169 | 0.179 | 4.33 |
| 11) | SURR | 2-Methylnaphthale | 0.632 | 0.622 | 0.618 | 0.613 | 0.609 | 0.605 | 0.617 | 1.56 |
| 12) | | 2-Methylnaphthale | 0.748 | 0.740 | 0.729 | 0.741 | 0.736 | 0.731 | 0.737 | 0.97 |
| 13) | I | Acenaphthene-d10 | ---------- | ISTD | ---------- | | | | | |
| 14) | S | 2,4,6-Tribromophe | 0.137 | 0.136 | 0.162 | 0.170 | 0.163 | 0.145 | 0.152 | 9.69 |
| 15) | S | 2-Fluorobiphenyl | 1.392 | 1.458 | 1.465 | 1.442 | 1.399 | 1.412 | 1.428 | 2.18 |
| 16) | | Acenaphthylene | 2.149 | 2.175 | 2.183 | 2.171 | 2.143 | 2.194 | 2.169 | 0.90 |
| 17) | | Acenaphthene | 1.444 | 1.381 | 1.363 | 1.341 | 1.327 | 1.339 | 1.366 | 3.13 |
| 18) | | Fluorene | 1.848 | 1.760 | 1.758 | 1.741 | 1.714 | 1.747 | 1.761 | 2.58 |
| 19) | I | Phenanthrene-d10 | ---------- | ISTD | ---------- | | | | | |
| 20) | | 4-Bromophenyl-phe | 0.212 | 0.191 | 0.180 | 0.184 | 0.214 | 0.219 | 0.200 | 8.58 |
| 21) | | Hexachlorobenzene | 0.252 | 0.317 | 0.355 | 0.402 | 0.453 | 0.410 | 0.365 | 19.89 |
| 22) | | Pentachlorophenol | | 0.025 | 0.030 | 0.028 | 0.037 | 0.041 | 0.032 | 20.43 |
| 23) | | Phenanthrene | 1.626 | 1.817 | 1.637 | 1.618 | 1.543 | 1.205 | 1.574 | 12.86 |
| 24) | | Anthracene | 1.295 | 1.204 | 1.176 | 1.218 | 1.248 | 1.156 | 1.216 | 4.12 |
| 25) | SURR | Fluoranthene-d10 | 5.166 | 6.075 | 6.194 | 6.907 | 7.389 | 6.913 | 6.441 | 12.34 |
| 26) | | Fluoranthene | 1.592 | 1.871 | 1.861 | 2.091 | 2.226 | 2.081 | 1.954 | 11.58 |
| 27) | I | Chrysene-d12 | ---------- | ISTD | ---------- | | | | | |
| 28) | | Pyrene | 1.633 | 1.564 | 1.494 | 1.465 | 1.450 | 1.450 | 1.509 | 4.91 |
| 29) | S | Terphenyl-d14 | 0.832 | 0.822 | 0.813 | 0.798 | 0.791 | 0.787 | 0.807 | 2.22 |
| 30) | | Benzo(a)anthracen | 1.507 | 1.423 | 1.370 | 1.342 | 1.328 | 1.331 | 1.384 | 5.08 |
| 31) | | Chrysene | 1.425 | 1.329 | 1.355 | 1.306 | 1.293 | 1.283 | 1.332 | 3.96 |
| 32) | | Bis(2-ethylhexyl) | 4.939 | 4.368 | 3.832 | 3.659 | 3.553 | 3.554 | 3.984 | 14.02 |
| 33) | | Indeno(1,2,3-cd)p | 1.385 | 1.357 | 1.333 | 1.323 | 1.325 | 1.325 | 1.341 | 1.87 |
| 34) | I | Perylene-d12 | ---------- | ISTD | ---------- | | | | | |
| 35) | | Benzo(b)fluoranth | 1.398 | 1.421 | 1.361 | 1.355 | 1.306 | 1.298 | 1.357 | 3.58 |
| 36) | | Benzo(k)fluoranth | 1.401 | 1.365 | 1.357 | 1.317 | 1.309 | 1.271 | 1.337 | 3.48 |
| 37) | C | Benzo(a)pyrene | 1.320 | 1.287 | 1.280 | 1.280 | 1.250 | 1.234 | 1.275 | 2.37 |
| 38) | | Dibenzo(a,h)anthr | 1.207 | 1.229 | 1.222 | 1.213 | 1.195 | 1.177 | 1.207 | 1.59 |
| 39) | | Benzo(g,h,i)peryl | 1.202 | 1.159 | 1.174 | 1.153 | 1.149 | 1.129 | 1.161 | 2.13 |

(#) = Out of Range