# Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA E\METHODS\
Method File : 8270-SIM-BE090517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Sep 05 13:34:56 2017
Response Via : Initial Calibration

Calibration Files
0.1 =BE093928.D 0.2 =BE093929.D 0.4 =BE093930.D
0.8 =BE093931.D 1.6 =BE093932.D 3.2 =BE093933.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 | 0.534 | 0.691 | 0.545 | 0.522 | 0.523 | 0.493 | 0.551 | 12.77 |
| 3) | | n-Nitrosodimethyl | 0.563 | 0.619 | 0.645 | 0.639 | 0.702 | 0.706 | 0.646 | 8.33 |
| 4) | S | 2-Fluorophenol | 1.298 | 1.298 | 1.277 | 1.255 | 1.317 | 1.318 | 1.294 | 1.88 |
| 5) | S | Phenol-d6 | 1.832 | 1.960 | 1.887 | 1.884 | 2.014 | 2.066 | 1.941 | 4.57 |
| 6) | | bis(2-Chloroethyl | 1.565 | 1.636 | 1.579 | 1.547 | 1.601 | 1.592 | 1.587 | 1.96 |
| 7) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.316 | 0.344 | 0.337 | 0.328 | 0.352 | 0.353 | 0.338 | 4.22 |
| 9) | | Naphthalene | 4.613 | 4.724 | 4.647 | 4.483 | 4.582 | 4.459 | 4.585 | 2.19 |
| 10) | | Hexachlorobutadie | 0.177 | 0.172 | 0.168 | 0.160 | 0.164 | 0.160 | 0.167 | 4.08 |
| 11) | SURR | 2-Methylnaphthale | 0.631 | 0.618 | 0.657 | 0.637 | 0.660 | 0.638 | 0.640 | 2.50 |
| 12) | | 2-Methylnaphthale | 0.705 | 0.776 | 0.777 | 0.762 | 0.784 | 0.766 | 0.762 | 3.79 |
| 13) | I | Acenaphthene-d10 | ---------- | ISTD | ---------- | | | | | |
| 14) | S | 2,4,6-Tribromophe | 0.144 | 0.138 | 0.128 | 0.126 | 0.107 | 0.101 | 0.124 | 13.68 |
| 15) | S | 2-Fluorobiphenyl | 1.672 | 1.578 | 1.619 | 1.543 | 1.564 | 1.515 | 1.582 | 3.55 |
| 16) | | Acenaphthylene | 1.887 | 1.954 | 1.945 | 1.975 | 2.079 | 2.140 | 1.997 | 4.71 |
| 17) | | Acenaphthene | 1.355 | 1.381 | 1.370 | 1.333 | 1.345 | 1.311 | 1.349 | 1.87 |
| 18) | | Fluorene | 1.767 | 1.790 | 1.713 | 1.727 | 1.719 | 1.729 | 1.741 | 1.75 |
| 19) | I | Phenanthrene-d10 | ---------- | ISTD | ---------- | | | | | |
| 20) | | 4-Bromophenyl-phe | 0.255 | 0.265 | 0.259 | 0.223 | 0.168 | 0.143 | 0.219 | 23.55 |
| 21) | | Hexachlorobenzene | 0.254 | 0.264 | 0.253 | 0.244 | 0.215 | 0.187 | 0.236 | 12.37 |
| 22) | | Pentachlorophenol | | 0.075 | 0.063 | 0.065 | 0.058 | 0.056 | 0.063 | 11.39 |
| 23) | | Phenanthrene | 1.416 | 1.604 | 1.466 | 1.291 | 1.031 | 0.950 | 1.293 | 19.80 |
| 24) | | Anthracene | 1.208 | 1.055 | 1.240 | 1.221 | 1.270 | 1.315 | 1.218 | 7.27 |
| 25) | SURR | Fluoranthene-d10 | 5.447 | 5.461 | 5.822 | 6.702 | 6.323 | 6.002 | 5.960 | 8.27 |
| 26) | | Fluoranthene | 1.621 | 1.691 | 1.720 | 1.985 | 1.892 | 1.788 | 1.783 | 7.59 |
| 27) | I | Chrysene-d12 | ---------- | ISTD | ---------- | | | | | |
| 28) | | Pyrene | 1.368 | 1.436 | 1.372 | 1.365 | 1.353 | 1.365 | 1.376 | 2.15 |
| 29) | S | Terphenyl-d14 | 0.761 | 0.731 | 0.736 | 0.729 | 0.730 | 0.729 | 0.736 | 1.72 |
| 30) | | Benzo(a)anthracen | 1.186 | 1.273 | 1.239 | 1.237 | 1.214 | 1.222 | 1.229 | 2.36 |
| 31) | | Chrysene | 1.316 | 1.364 | 1.290 | 1.261 | 1.300 | 1.268 | 1.300 | 2.90 |
| 32) | | Bis(2-ethylhexyl) | 3.451 | 3.385 | 2.853 | 2.738 | 2.711 | 2.760 | 2.983 | 11.43 |
| 33) | | Indeno(1,2,3-cd)p | 0.858 | 0.887 | 0.855 | 0.852 | 0.869 | 0.878 | 0.867 | 1.60 |
| 34) | I | Perylene-d12 | ---------- | ISTD | ---------- | | | | | |
| 35) | | Benzo(b)fluoranth | 1.190 | 1.291 | 1.278 | 1.242 | 1.334 | 1.307 | 1.274 | 4.01 |
| 36) | | Benzo(k)fluoranth | 1.487 | 1.610 | 1.557 | 1.587 | 1.569 | 1.558 | 1.561 | 2.67 |
| 37) | C | Benzo(a)pyrene | 1.266 | 1.332 | 1.292 | 1.285 | 1.312 | 1.295 | 1.297 | 1.76 |
| 38) | | Dibenzo(a,h)anthr | 0.771 | 0.844 | 0.864 | 0.860 | 0.912 | 0.910 | 0.860 | 6.03 |
| 39) | | Benzo(g,h,i)peryl | 0.884 | 0.928 | 0.905 | 0.897 | 0.922 | 0.908 | 0.907 | 1.75 |

(#) = Out of Range