Response Factor Report BNA_N

Method Path : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\
Method File : 8270-SIM-BN010721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jan 07 16:27:07 2021
Response Via : Initial Calibration

Calibration Files
0.1 =BN013345.D 0.2 =BN013346.D 0.4 =BN013347.D 0.8 =BN013348.D 1.6 =BN013349.D 3.2 =BN013350.D 5 =BN013351.D

| | | Compound | 0.1 | 0.2 | 0.4 | 0.8 | 1.6 | 3.2 | 5 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | |
| 2) | | 1,4-Dioxane | 0.546 | 0.569 | 0.470 | 0.485 | 0.492 | 0.467 | 0.432 | 0.495 | 9.64 |
| 3) | | n-Nitrosodimet... | | 0.426 | 0.411 | 0.439 | 0.459 | 0.451 | 0.417 | 0.434 | 4.38 |
| 4) | S | 2-Fluorophenol | 1.187 | 1.226 | 1.143 | 1.177 | 1.193 | 1.157 | 1.089 | 1.167 | 3.75 |
| 5) | S | Phenol-d6 | 1.515 | 1.530 | 1.430 | 1.484 | 1.526 | 1.497 | 1.397 | 1.483 | 3.41 |
| 6) | | bis(2-Chloroet... | 1.236 | 1.215 | 1.152 | 1.182 | 1.205 | 1.137 | 1.018 | 1.164 | 6.28 |
| 7) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.279 | 0.262 | 0.250 | 0.262 | 0.277 | 0.281 | 0.279 | 0.270 | 4.41 |
| 9) | | Naphthalene | 1.211 | 1.186 | 1.162 | 1.208 | 1.238 | 1.206 | 1.154 | 1.195 | 2.47 |
| 10) | | Hexachlorobuta... | 0.216 | 0.211 | 0.206 | 0.213 | 0.215 | 0.209 | 0.201 | 0.210 | 2.61 |
| 11) | SURR | 2-Methylnaphth... | 0.718 | 0.705 | 0.691 | 0.715 | 0.744 | 0.731 | 0.695 | 0.714 | 2.67 |
| 12) | | 2-Methylnaphth... | 0.827 | 0.822 | 0.803 | 0.831 | 0.868 | 0.846 | 0.802 | 0.828 | 2.80 |
| 13) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 14) | S | 2,4,6-Tribromo... | 0.158 | 0.161 | 0.155 | 0.166 | 0.179 | 0.193 | 0.199 | 0.173 | 10.09 |
| 15) | S | 2-Fluorobiphenyl | 1.788 | 1.738 | 1.711 | 1.810 | 1.807 | 1.768 | 1.675 | 1.757 | 2.90 |
| 16) | | Acenaphthylene | 1.822 | 1.741 | 1.739 | 1.893 | 2.006 | 2.080 | 2.076 | 1.908 | 7.76 |
| 17) | | Acenaphthene | 1.347 | 1.328 | 1.321 | 1.401 | 1.427 | 1.428 | 1.364 | 1.374 | 3.28 |
| 18) | | Fluorene | 1.730 | 1.689 | 1.660 | 1.759 | 1.789 | 1.787 | 1.722 | 1.734 | 2.79 |
| 19) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 20) | | 4,6-Dinitro-2-... | 0.040 | 0.043 | 0.043 | 0.049 | 0.056 | 0.064 | | 0.049 | 18.73 |
| 21) | | 4-Bromophenyl-... | 0.247 | 0.244 | 0.242 | 0.255 | 0.258 | 0.257 | 0.239 | 0.249 | 3.04 |
| 22) | | Hexachlorobenzene | 0.283 | 0.271 | 0.271 | 0.280 | 0.287 | 0.281 | 0.270 | 0.278 | 2.44 |
| 23) | | Atrazine | 0.144 | 0.147 | 0.141 | 0.153 | 0.165 | 0.180 | 0.185 | 0.159 | 11.02 |
| 24) | | Pentachlorophenol | | 0.076 | 0.068 | 0.076 | 0.083 | 0.093 | 0.099 | 0.083 | 14.11 |
| 25) | | Phenanthrene | 1.335 | 1.328 | 1.295 | 1.351 | 1.379 | 1.388 | 1.316 | 1.342 | 2.50 |
| 26) | | Anthracene | 1.095 | 1.075 | 1.058 | 1.125 | 1.179 | 1.232 | 1.200 | 1.138 | 5.87 |
| 27) | SURR | Fluoranthene-d10 | 1.224 | 1.244 | 1.199 | 1.266 | 1.303 | 1.336 | 1.296 | 1.267 | 3.81 |
| 28) | | Fluoranthene | 1.467 | 1.491 | 1.427 | 1.529 | 1.589 | 1.612 | 1.539 | 1.522 | 4.31 |
| 29) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 30) | | Pyrene | 1.522 | 1.465 | 1.457 | 1.472 | 1.514 | 1.489 | 1.385 | 1.472 | 3.10 |
| 31) | S | Terphenyl-d14 | 1.059 | 1.032 | 1.029 | 1.046 | 1.059 | 1.025 | 0.958 | 1.030 | 3.37 |
| 32) | | Benzo(a)anthra... | 1.470 | 1.398 | 1.311 | 1.348 | 1.437 | 1.426 | 1.416 | 1.401 | 3.89 |
| 33) | | Chrysene | 1.665 | 1.617 | 1.516 | 1.543 | 1.564 | 1.526 | 1.428 | 1.551 | 4.88 |
| 34) | | Bis(2-ethylhex... | 0.455 | 0.418 | 0.407 | 0.402 | 0.418 | 0.449 | 0.494 | 0.435 | 7.61 |
| 35) | | Indeno(1,2,3-c... | 1.670 | 1.656 | 1.548 | 1.629 | 1.676 | 1.642 | 1.605 | 1.632 | 2.71 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 36) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 37) | | Benzo(b)fluora... | 1.660 | 1.650 | 1.708 | 1.645 | 1.693 | 1.682 | 1.585 | 1.660 | 2.44 |
| 38) | | Benzo(k)fluora... | 1.625 | 1.610 | 1.626 | 1.600 | 1.642 | 1.606 | 1.528 | 1.605 | 2.30 |
| 39) | C | Benzo(a)pyrene | 1.289 | 1.314 | 1.370 | 1.357 | 1.409 | 1.432 | 1.387 | 1.365 | 3.71 |
| 40) | | Dibenzo(a,h)an... | 1.469 | 1.462 | 1.534 | 1.542 | 1.594 | 1.567 | 1.494 | 1.523 | 3.27 |
| 41) | | Benzo(g,h,i)pe... | 1.513 | 1.512 | 1.626 | 1.570 | 1.608 | 1.580 | 1.512 | 1.560 | 3.10 |

(#) = Out of Range