Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN120822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 09 07:44:40 2022
Response Via : Initial Calibration

Calibration Files
0.1 =BN023093.D 0.2 =BN023094.D 0.4 =BN023095.D 0.8 =BN023096.D 1.6 =BN023097.D 3.2 =BN023098.D 5.0 =BN023099.D

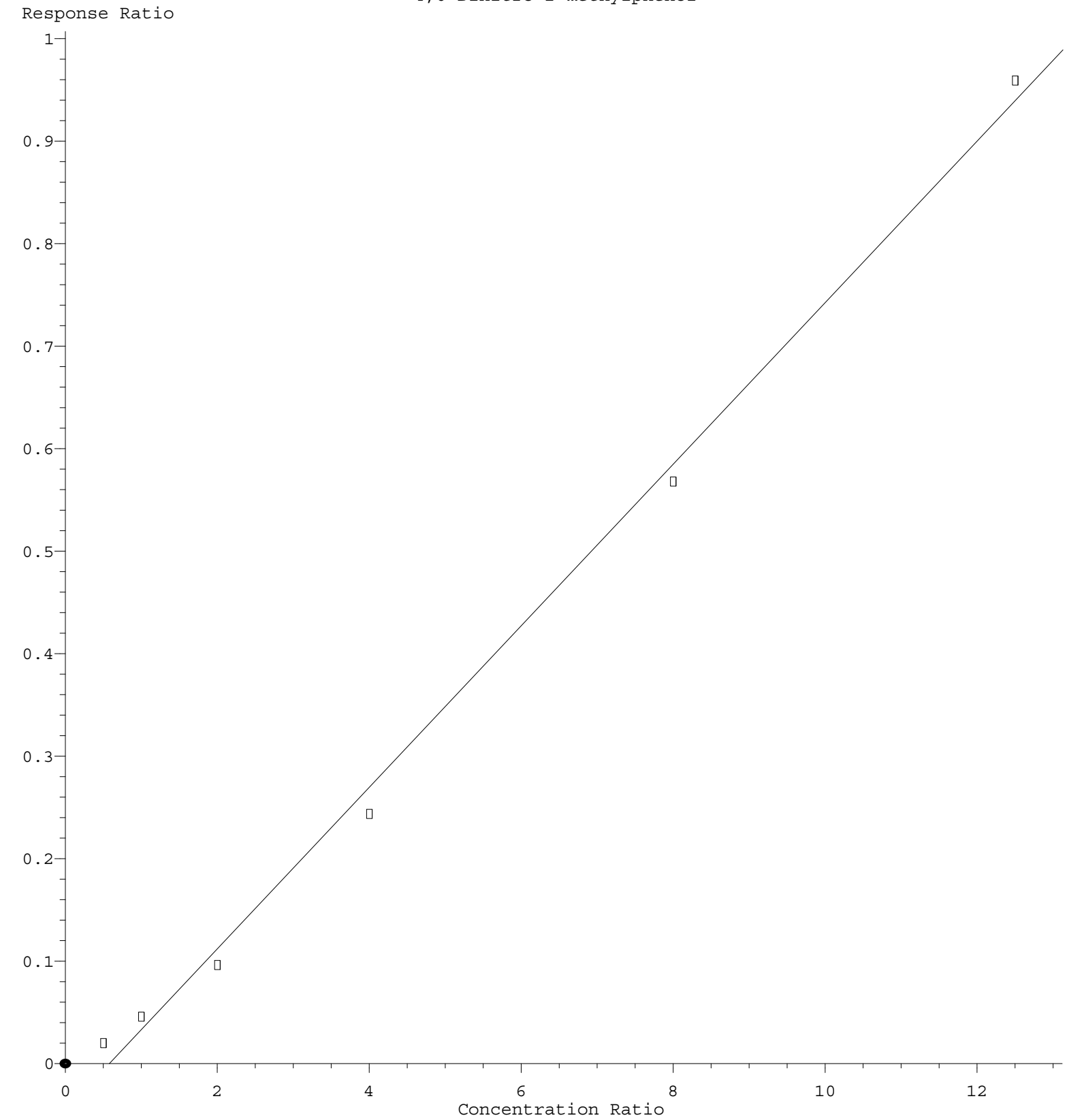
| | | Compound | 0.1 | 0.2 | 0.4 | 0.8 | 1.6 | 3.2 | 5.0 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | |
| 2) | | 1,4-Dioxane | 0.393 | 0.400 | 0.405 | 0.382 | 0.418 | 0.392 | 0.373 | 0.395 | 3.74 |
| 3) | | n-Nitrosodimet... | 0.318 | 0.315 | 0.373 | 0.374 | 0.456 | 0.446 | 0.433 | 0.388 | 15.15 |
| 4) | S | 2-Fluorophenol | 0.767 | 0.723 | 0.748 | 0.680 | 0.776 | 0.767 | 0.753 | 0.745 | 4.51 |
| 5) | S | Phenol-d6 | 0.921 | 0.885 | 0.915 | 0.858 | 1.005 | 1.020 | 1.025 | 0.947 | 7.25 |
| 6) | | bis(2-Chloroet... | 1.107 | 1.088 | 1.102 | 1.015 | 1.122 | 1.071 | 1.026 | 1.076 | 3.82 |
| 7) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.247 | 0.244 | 0.248 | 0.251 | 0.278 | 0.285 | 0.291 | 0.264 | 7.65 |
| 9) | | Naphthalene | 0.987 | 0.990 | 0.998 | 1.000 | 1.056 | 1.059 | 1.041 | 1.019 | 3.14 |
| 10) | | Hexachlorobuta... | 0.190 | 0.192 | 0.195 | 0.193 | 0.201 | 0.197 | 0.190 | 0.194 | 1.99 |
| 11) | SURR | 2-Methylnaphth... | 0.585 | 0.655 | 0.642 | 0.662 | 0.713 | 0.748 | 0.743 | 0.678 | 8.72 |
| 12) | | 2-Methylnaphth... | 0.135 | 0.135 | 0.147 | 0.154 | 0.187 | | | 0.152 | 14.17 |
| 13) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 14) | S | 2,4,6-Tribromo... | 0.120 | 0.122 | 0.132 | 0.133 | 0.156 | 0.172 | 0.182 | 0.145 | 17.17 |
| 15) | S | 2-Fluorobiphenyl | 1.569 | 1.574 | 1.607 | 1.555 | 1.668 | 1.615 | 1.598 | 1.598 | 2.36 |
| 16) | | Acenaphthylene | 1.353 | 1.379 | 1.474 | 1.517 | 1.773 | 1.868 | 1.916 | 1.611 | 14.63 |
| 17) | | Acenaphthene | 1.102 | 1.106 | 1.151 | 1.145 | 1.252 | 1.263 | 1.269 | 1.184 | 6.31 |
| 18) | | Fluorene | 1.177 | 1.221 | 1.293 | 1.285 | 1.427 | 1.434 | 1.439 | 1.325 | 8.19 |
| 19) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 20) | | 4,6-Dinitro-2-... | | 0.040 | 0.046 | 0.048 | 0.061 | 0.071 | 0.077 | 0.057 | 25.87 |
| 21) | | 4-Bromophenyl-... | 0.196 | 0.197 | 0.204 | 0.204 | 0.229 | 0.231 | 0.233 | 0.213 | 7.78 |
| 22) | | Hexachlorobenzene | 0.256 | 0.267 | 0.280 | 0.276 | 0.296 | 0.293 | 0.288 | 0.280 | 5.23 |
| 23) | | Atrazine | 0.125 | 0.127 | 0.134 | 0.138 | 0.163 | 0.180 | 0.187 | 0.150 | 17.12 |
| 24) | | Pentachlorophenol | 0.093 | 0.078 | 0.080 | 0.084 | 0.102 | 0.116 | 0.126 | 0.097 | 19.10 |
| 25) | | Phenanthrene | 1.143 | 1.111 | 1.147 | 1.148 | 1.255 | 1.275 | 1.265 | 1.192 | 5.85 |
| 26) | | Anthracene | 0.816 | 0.824 | 0.859 | 0.893 | 1.037 | 1.098 | 1.122 | 0.950 | 13.91 |
| 27) | SURR | Fluoranthene-d10 | 0.825 | 0.854 | 0.882 | 0.896 | 1.002 | 1.039 | 1.056 | 0.936 | 10.03 |
| 28) | | Fluoranthene | 1.088 | 1.131 | 1.201 | 1.251 | 1.411 | 1.437 | 1.415 | 1.276 | 11.35 |
| 29) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 30) | | Pyrene | 1.375 | 1.424 | 1.448 | 1.426 | 1.527 | 1.527 | 1.525 | 1.464 | 4.21 |
| 31) | S | Terphenyl-d14 | 0.612 | 0.577 | 0.684 | 0.650 | 0.690 | 0.663 | 0.671 | 0.649 | 6.32 |
| 32) | | Benzo(a)anthra... | 1.163 | 1.164 | 1.199 | 1.229 | 1.381 | 1.422 | 1.462 | 1.289 | 9.99 |
| 33) | | Chrysene | 1.436 | 1.392 | 1.442 | 1.434 | 1.529 | 1.463 | 1.447 | 1.449 | 2.87 |
| 34) | | Bis(2-ethylhex... | 0.505 | 0.506 | 0.489 | 0.485 | 0.539 | 0.591 | 0.700 | 0.545 | 14.22 |
| 35) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | | |

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN120822.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 36) | | Indeno(1,2,3-c... | 1.483 | 1.452 | 1.693 | 1.753 | 2.038 | 2.051 | 2.079 | 1.793 | 14.98 |
| 37) | | Benzo(b)fluora... | 1.359 | 1.402 | 1.594 | 1.651 | 1.849 | 1.874 | 1.879 | 1.658 | 13.29 |
| 38) | | Benzo(k)fluora... | 1.286 | 1.378 | 1.611 | 1.675 | 1.933 | 1.955 | 1.947 | 1.684 | 16.49 |
| 39) | C | Benzo(a)pyrene | 1.135 | 1.009 | 1.111 | 1.151 | 1.375 | 1.444 | 1.482 | 1.244 | 14.93 |
| 40) | | Dibenzo(a,h)an... | 1.148 | 1.144 | 1.370 | 1.422 | 1.663 | 1.655 | 1.672 | 1.439 | 16.24 |
| 41) | | Benzo(g,h,i)pe... | 1.219 | 1.295 | 1.512 | 1.538 | 1.731 | 1.716 | 1.748 | 1.537 | 13.90 |

(#) = Out of Range

4,6-Dinitro-2-methylphenol




Response = 7.881e-002 * Amt - 4.569e-002
Coef of Det (r^2) = 0.996457  Curve Fit: Linear
Method Name:  Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN120822.M
Calibration Table Last Updated: Fri Dec 09 07:44:40 2022