Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN011824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jan 18 16:49:42 2024
Response Via : Initial Calibration

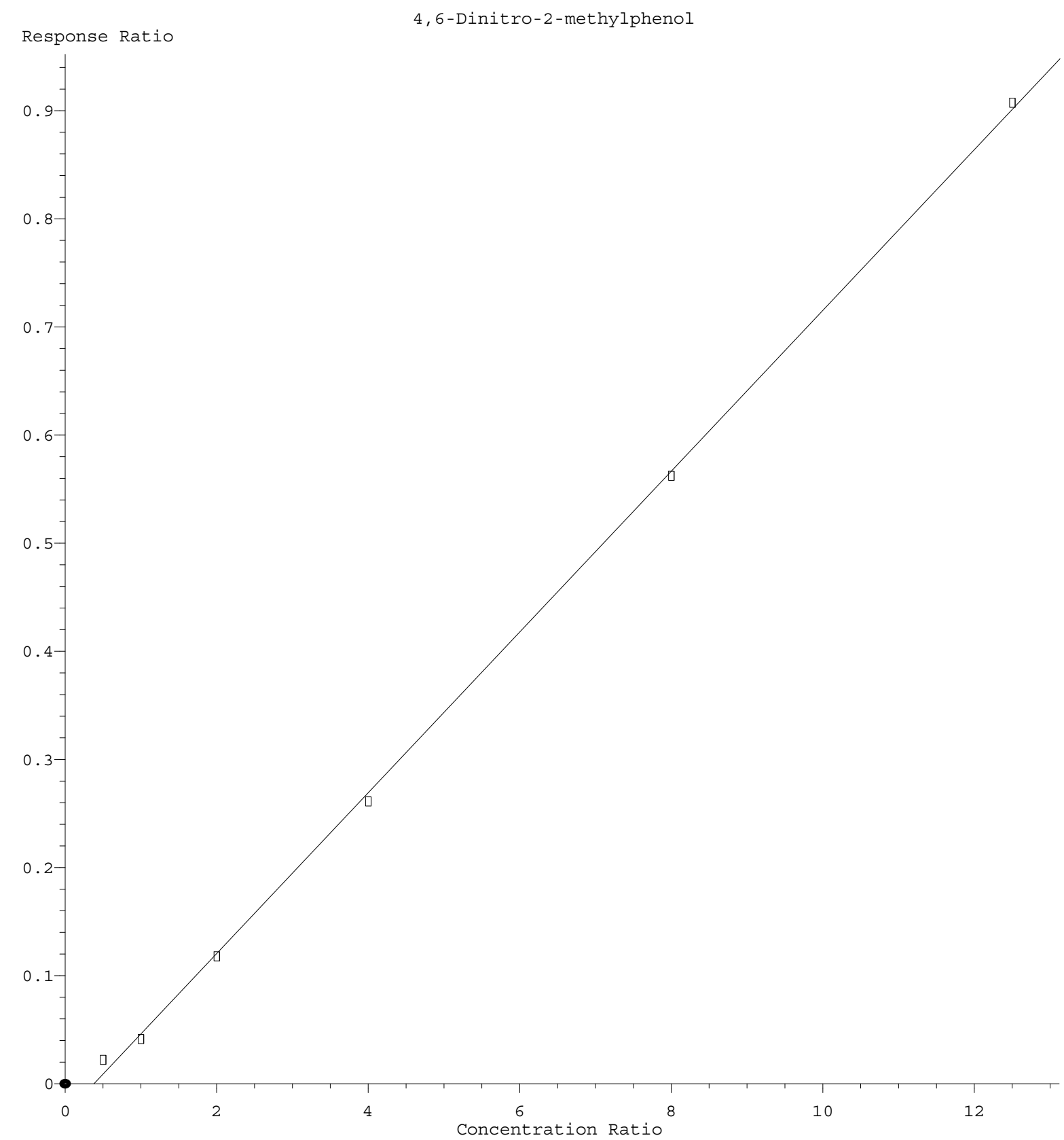
Calibration Files
0.1 =BN029285.D 0.2 =BN029286.D 0.4 =BN029287.D 0.8 =BN029288.D 1.6 =BN029289.D 3.2 =BN029290.D 5.0 =BN029291.D

| | | 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 | 0.474 | 0.465 | 0.540 | 0.502 | 0.502 | 0.479 | 0.457 | 0.488 | 5.84 |
| 3) | | n-Nitrosodimet... | 0.442 | 0.403 | 0.397 | 0.518 | 0.545 | 0.558 | 0.537 | 0.486 | 14.37 |
| 4) | S | 2-Fluorophenol | 1.118 | 1.015 | 0.836 | 1.032 | 1.020 | 0.986 | 0.933 | 0.991 | 8.91 |
| 5) | S | Phenol-d6 | 1.489 | 1.329 | 1.102 | 1.330 | 1.350 | 1.343 | 1.265 | 1.315 | 8.81 |
| 6) | | bis(2-Chloroet... | 1.275 | 1.253 | 1.067 | 1.288 | 1.305 | 1.273 | 1.178 | 1.234 | 6.80 |
| 7) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.409 | 0.385 | 0.325 | 0.370 | 0.380 | 0.371 | 0.355 | 0.371 | 7.04 |
| 9) | | Naphthalene | 1.303 | 1.262 | 1.061 | 1.302 | 1.329 | 1.273 | 1.186 | 1.245 | 7.49 |
| 10) | | Hexachlorobuta... | 0.273 | 0.270 | 0.235 | 0.288 | 0.292 | 0.277 | 0.253 | 0.270 | 7.40 |
| 11) | SURR | 2-Methylnaphth... | 0.670 | 0.649 | 0.624 | 0.703 | 0.735 | 0.717 | 0.679 | 0.682 | 5.72 |
| 12) | | 2-Methylnaphth... | 0.866 | 0.829 | 0.708 | 0.860 | 0.899 | 0.873 | 0.823 | 0.837 | 7.49 |
| 13) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 14) | S | 2,4,6-Tribromo... | 0.109 | 0.106 | 0.102 | 0.119 | 0.131 | 0.143 | 0.148 | 0.123 | 14.89 |
| 15) | S | 2-Fluorobiphenyl | 1.916 | 1.944 | 1.664 | 1.949 | 1.971 | 1.883 | 1.710 | 1.863 | 6.64 |
| 16) | | Acenaphthylene | 1.943 | 1.961 | 1.684 | 2.076 | 2.223 | 2.228 | 2.126 | 2.034 | 9.41 |
| 17) | | Acenaphthene | 1.380 | 1.403 | 1.177 | 1.431 | 1.488 | 1.435 | 1.348 | 1.380 | 7.25 |
| 18) | | Fluorene | 1.897 | 1.869 | 1.591 | 1.961 | 2.067 | 1.985 | 1.858 | 1.890 | 7.98 |
| 19) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 20) | | 4,6-Dinitro-2-... | 0.044 | 0.041 | 0.059 | 0.065 | 0.070 | 0.073 | 0.059 | 22.59 | |
| 21) | | 4-Bromophenyl-... | 0.191 | 0.200 | 0.179 | 0.212 | 0.235 | 0.238 | 0.234 | 0.213 | 11.13 |
| 22) | | Hexachlorobenzene | 0.355 | 0.346 | 0.295 | 0.353 | 0.378 | 0.367 | 0.342 | 0.348 | 7.56 |
| 23) | | Atrazine | 0.175 | 0.175 | 0.159 | 0.201 | 0.220 | 0.222 | 0.224 | 0.197 | 13.66 |
| 24) | | Pentachlorophenol | 0.082 | 0.086 | 0.103 | 0.117 | 0.126 | 0.131 | 0.107 | 19.19 | |
| 25) | | Phenanthrene | 1.421 | 1.316 | 1.118 | 1.350 | 1.422 | 1.398 | 1.323 | 1.335 | 7.90 |
| 26) | | Anthracene | 1.122 | 1.118 | 0.945 | 1.172 | 1.279 | 1.286 | 1.248 | 1.167 | 10.33 |
| 27) | SURR | Fluoranthene-d10 | 1.128 | 1.116 | 1.066 | 1.232 | 1.339 | 1.320 | 1.291 | 1.213 | 9.04 |
| 28) | | Fluoranthene | 1.615 | 1.504 | 1.341 | 1.665 | 1.829 | 1.796 | 1.715 | 1.638 | 10.43 |
| 29) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 30) | | Pyrene | 1.715 | 1.773 | 1.481 | 1.720 | 1.773 | 1.747 | 1.616 | 1.689 | 6.28 |
| 31) | S | Terphenyl-d14 | 0.996 | 1.041 | 0.930 | 1.024 | 1.053 | 1.030 | 0.947 | 1.003 | 4.75 |
| 32) | | Benzo(a)anthra... | 1.500 | 1.488 | 1.289 | 1.559 | 1.672 | 1.696 | 1.599 | 1.543 | 8.87 |
| 33) | | Chrysene | 1.792 | 1.657 | 1.391 | 1.714 | 1.742 | 1.686 | 1.556 | 1.648 | 8.22 |
| 34) | | Bis(2-ethylhex... | 0.855 | 0.661 | 0.550 | 0.655 | 0.682 | 0.718 | 0.751 | 0.696 | 13.54 |
| 35) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | | |

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN011824.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 36) | | Indeno(1,2,3-c... | 1.722 | 1.587 | 1.320 | 1.822 | 2.014 | 2.075 | 1.978 | 1.788 | 15.05 |
| 37) | | Benzo(b)fluora... | 1.665 | 1.564 | 1.252 | 1.733 | 1.891 | 1.899 | 1.793 | 1.685 | 13.37 |
| 38) | | Benzo(k)fluora... | 1.512 | 1.510 | 1.236 | 1.666 | 1.856 | 1.891 | 1.785 | 1.637 | 14.27 |
| 39) | C | Benzo(a)pyrene | 1.368 | 1.220 | 0.950 | 1.415 | 1.505 | 1.548 | 1.491 | 1.357 | 15.46 |
| 40) | | Dibenzo(a,h)an... | 1.335 | 1.261 | 1.063 | 1.477 | 1.655 | 1.704 | 1.612 | 1.444 | 16.29 |
| 41) | | Benzo(g,h,i)pe... | 1.393 | 1.409 | 1.168 | 1.525 | 1.732 | 1.772 | 1.669 | 1.524 | 14.26 |

(#) = Out of Range




Response = 7.443e-002 * Amt - 2.865e-002
Coef of Det (r^2) = 0.999478  Curve Fit: Linear
Method Name:  Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN011824.M
Calibration Table Last Updated: Thu Jan 18 16:49:42 2024