Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN101424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 14 17:52:02 2024
Response Via : Initial Calibration

Calibration Files
0.1 =BN034567.D 0.2 =BN034568.D 0.4 =BN034569.D 0.8 =BN034570.D 1.6 =BN034571.D 3.2 =BN034572.D 5.0 =BN034573.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 | 0.621 | 0.504 | 0.486 | 0.454 | 0.426 | 0.404 | 0.482 | | 16.00 |
| 3) | | n-Nitrosodimet... | 0.439 | 0.422 | 0.426 | 0.473 | 0.460 | 0.431 | 0.424 | 0.439 | 4.50 |
| 4) | S | 2-Fluorophenol | 1.128 | 1.085 | 1.057 | 1.134 | 1.102 | 1.045 | 1.040 | 1.084 | 3.55 |
| 5) | S | Phenol-d6 | 0.829 | 0.896 | 1.061 | 1.220 | 1.283 | 1.262 | 1.316 | 1.124 | 17.55 |
| 6) | | bis(2-Chloroet... | 0.782 | 0.783 | 0.889 | 1.016 | 0.997 | 0.975 | 0.993 | 0.919 | 11.08 |
| 7) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.219 | 0.208 | 0.244 | 0.282 | 0.290 | 0.287 | 0.296 | 0.261 | 14.07 |
| 9) | | Naphthalene | 1.043 | 1.018 | 1.042 | 1.109 | 1.079 | 1.011 | 1.023 | 1.046 | 3.40 |
| 10) | | Hexachlorobuta... | 0.246 | 0.232 | 0.229 | 0.239 | 0.230 | 0.211 | 0.212 | 0.228 | 5.68 |
| 11) | SURR | 2-Methylnaphth... | 0.553 | 0.550 | 0.593 | 0.645 | 0.642 | 0.592 | 0.622 | 0.600 | 6.49 |
| 12) | | 2-Methylnaphth... | 0.612 | 0.604 | 0.669 | 0.727 | 0.728 | 0.676 | 0.703 | 0.674 | 7.48 |
| 13) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 14) | S | 2,4,6-Tribromo... | 0.129 | 0.121 | 0.141 | 0.185 | 0.205 | 0.210 | 0.250 | 0.177 | 27.34 |
| 15) | S | 2-Fluorobiphenyl | 1.432 | 1.331 | 1.332 | 1.473 | 1.414 | 1.347 | 1.327 | 1.379 | 4.30 |
| 16) | | Acenaphthylene | 1.428 | 1.430 | 1.497 | 1.731 | 1.766 | 1.730 | 1.803 | 1.626 | 10.27 |
| 17) | | Acenaphthene | 1.096 | 1.090 | 1.118 | 1.238 | 1.207 | 1.146 | 1.165 | 1.151 | 4.86 |
| 18) | | Fluorene | 1.336 | 1.321 | 1.423 | 1.613 | 1.600 | 1.480 | 1.528 | 1.471 | 8.01 |
| 19) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 20) | | 4,6-Dinitro-2-... | 0.005 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.005 | | 4.74 |
| 21) | | 4-Bromophenyl-... | 0.187 | 0.200 | 0.222 | 0.227 | 0.231 | 0.225 | 0.228 | 0.217 | 7.72 |
| 22) | | Hexachlorobenzene | 0.294 | 0.296 | 0.307 | 0.300 | 0.296 | 0.278 | 0.282 | 0.293 | 3.43 |
| 23) | | Atrazine | 0.154 | 0.141 | 0.168 | 0.183 | 0.192 | 0.180 | 0.192 | 0.173 | 11.21 |
| 24) | | Pentachlorophenol | 0.067 | 0.054 | 0.065 | 0.079 | 0.092 | 0.105 | 0.126 | 0.084 | 30.08 |
| 25) | | Phenanthrene | 0.961 | 1.001 | 1.073 | 1.102 | 1.112 | 1.058 | 1.081 | 1.055 | 5.22 |
| 26) | | Anthracene | 0.811 | 0.782 | 0.889 | 0.945 | 1.000 | 0.967 | 1.017 | 0.916 | 10.02 |
| 27) | SURR | Fluoranthene-d10 | 1.009 | 0.958 | 0.928 | 0.968 | 1.013 | 0.926 | 1.007 | 0.973 | 3.87 |
| 28) | | Fluoranthene | 1.224 | 1.164 | 1.149 | 1.207 | 1.269 | 1.164 | 1.237 | 1.202 | 3.72 |
| 29) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 30) | | Pyrene | 2.190 | 1.986 | 3.029 | 3.435 | 4.973 | 5.232 | 6.632 | 3.925 | 44.06 |
| 31) | S | Terphenyl-d14 | | 0.981 | 1.537 | 1.796 | 2.650 | 2.785 | | 1.950 | 39.07 |
| 32) | | Benzo(a)anthra... | | | | | | | | 0.000 | -1.00 |
| 33) | | Chrysene | 2.859 | 2.479 | 2.924 | 3.061 | 4.105 | 4.380 | 5.278 | 3.584 | 28.43 |
| 34) | | Bis(2-ethylhex... | | | | | | | | 0.000 | -1.00 |
| 35) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | | |

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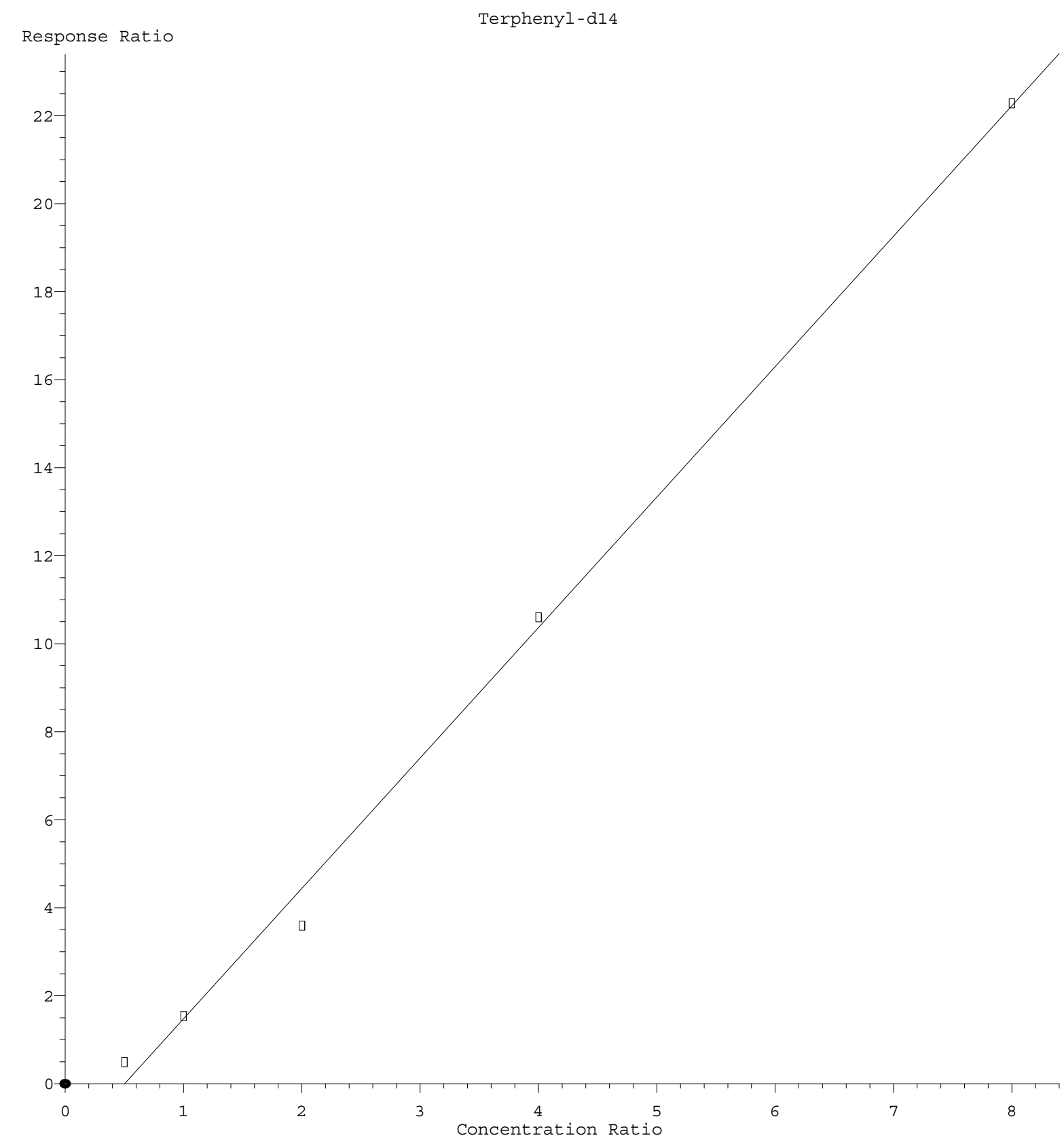
Method File : 8270-SIM-BN101424.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 36) | | Indeno(1,2,3-c... | 1.455 | 1.401 | 1.569 | 1.674 | 1.590 | 1.629 | 1.558 | 1.554 | 6.15 |
| 37) | | Benzo(b)fluora... | 1.149 | 1.132 | 1.251 | 1.433 | 1.488 | 1.395 | 1.513 | 1.337 | 11.88 |
| 38) | | Benzo(k)fluora... | 1.357 | 1.459 | 1.544 | 1.625 | 1.646 | 1.465 | 1.566 | 1.523 | 6.72 |
| 39) | C | Benzo(a)pyrene | 1.075 | 1.085 | 1.129 | 1.206 | 1.220 | 1.170 | 1.239 | 1.161 | 5.67 |
| 40) | | Dibenzo(a,h)an... | 1.064 | 1.042 | 1.192 | 1.285 | 1.231 | 1.280 | 1.228 | 1.189 | 8.28 |
| 41) | | Benzo(g,h,i)pe... | 1.365 | 1.363 | 1.464 | 1.532 | 1.430 | 1.437 | 1.358 | 1.421 | 4.55 |

(#) = Out of Range




Response = 2.964e+000 * Amt - 1.488e+000
Coef of Det (r^2) = 0.996866  Curve Fit: Linear
Method Name:  Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN101424.M
Calibration Table Last Updated: Mon Oct 14 17:52:02 2024