# Response Factor Report BNA_N

Method Path : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\
Method File : 8270-SIM-BN110420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 05 05:46:47 2020
Response Via : Initial Calibration

Calibration Files
0.1 =BN012491.D 0.2 =BN012492.D 0.4 =BN012493.D 0.8 =BN012494.D 1.6 =BN012495.D 3.2 =BN012496.D 5 =BN012497.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 | 0.804 | 0.595 | 0.591 | 0.618 | 0.622 | 0.598 | 0.550 | 0.626 | 13.11 |
| 3) | | n-Nitrosodimet... | | 1.722 | 1.543 | 1.697 | 1.841 | 1.805 | 1.645 | 1.709 | 6.33 |
| 4) | S | 2-Fluorophenol | 1.607 | 1.520 | 1.311 | 1.343 | 1.398 | 1.344 | 1.265 | 1.398 | 8.75 |
| 5) | S | Phenol-d6 | 1.486 | 1.627 | 1.556 | 1.641 | 1.769 | 1.733 | 1.640 | 1.636 | 5.90 |
| 6) | | bis(2-Chloroet... | 1.019 | 0.944 | 0.976 | 1.143 | 1.286 | 1.251 | 1.189 | 1.115 | 12.23 |
| 7) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.399 | 0.454 | 0.422 | 0.488 | 0.527 | 0.522 | 0.501 | 0.473 | 10.48 |
| 9) | | Naphthalene | 1.187 | 1.120 | 1.001 | 1.133 | 1.188 | 1.147 | 1.080 | 1.122 | 5.83 |
| 10) | | Hexachlorobuta... | 0.288 | 0.248 | 0.223 | 0.245 | 0.249 | 0.239 | 0.223 | 0.245 | 8.98 |
| 11) | SURR | 2-Methylnaphth... | 0.658 | 0.627 | 0.569 | 0.653 | 0.703 | 0.688 | 0.647 | 0.649 | 6.75 |
| 12) | | 2-Methylnaphth... | 0.685 | 0.686 | 0.642 | 0.739 | 0.797 | 0.781 | 0.735 | 0.724 | 7.73 |
| 13) | I | Acenaphthene-d10 | ---------- | ISTD | ---------- | | | | | | |
| 14) | S | 2,4,6-Tribromo... | 0.299 | 0.308 | 0.249 | 0.282 | 0.304 | 0.305 | 0.286 | 0.290 | 7.11 |
| 15) | S | 2-Fluorobiphenyl | 1.553 | 1.534 | 1.412 | 1.600 | 1.672 | 1.640 | 1.506 | 1.560 | 5.62 |
| 16) | | Acenaphthylene | 2.093 | 1.932 | 1.737 | 2.020 | 2.143 | 2.130 | 1.983 | 2.005 | 7.06 |
| 17) | | Acenaphthene | 1.404 | 1.242 | 1.107 | 1.282 | 1.340 | 1.321 | 1.237 | 1.276 | 7.41 |
| 18) | | Fluorene | 1.703 | 1.582 | 1.416 | 1.653 | 1.713 | 1.726 | 1.597 | 1.627 | 6.68 |
| 19) | I | Phenanthrene-d10 | ---------- | ISTD | ---------- | | | | | | |
| 20) | | 4,6-Dinitro-2-... | 0.087 | 0.072 | 0.080 | 0.101 | 0.113 | 0.116 | 0.112 | 0.097 | 18.29 |
| 21) | | 4-Bromophenyl-... | 0.236 | 0.214 | 0.202 | 0.235 | 0.254 | 0.247 | 0.232 | 0.231 | 7.90 |
| 22) | | Hexachlorobenzene | 0.321 | 0.307 | 0.273 | 0.302 | 0.318 | 0.301 | 0.286 | 0.301 | 5.71 |
| 23) | | Atrazine | 0.256 | 0.235 | 0.210 | 0.235 | 0.257 | 0.251 | 0.236 | 0.240 | 6.84 |
| 24) | | Pentachlorophenol | | 0.141 | 0.117 | 0.137 | 0.153 | 0.152 | 0.146 | 0.141 | 9.45 |
| 25) | | Phenanthrene | 1.179 | 1.147 | 1.051 | 1.174 | 1.289 | 1.260 | 1.185 | 1.184 | 6.55 |
| 26) | | Anthracene | 1.086 | 0.992 | 0.955 | 1.080 | 1.211 | 1.201 | 1.145 | 1.096 | 8.95 |
| 27) | SURR | Fluoranthene-d10 | 1.312 | 1.167 | 1.087 | 1.224 | 1.332 | 1.314 | 1.244 | 1.240 | 7.23 |
| 28) | | Fluoranthene | 1.463 | 1.373 | 1.235 | 1.384 | 1.514 | 1.502 | 1.417 | 1.413 | 6.77 |
| 29) | I | Chrysene-d12 | ---------- | ISTD | ---------- | | | | | | |
| 30) | | Pyrene | 1.465 | 1.323 | 1.202 | 1.348 | 1.428 | 1.374 | 1.270 | 1.344 | 6.69 |
| 31) | S | Terphenyl-d14 | 1.010 | 0.969 | 0.866 | 0.958 | 1.010 | 0.975 | 0.887 | 0.954 | 5.90 |
| 32) | | Benzo(a)anthra... | 1.233 | 1.233 | 1.148 | 1.311 | 1.355 | 1.353 | 1.281 | 1.273 | 5.87 |
| 33) | | Chrysene | 1.394 | 1.353 | 1.196 | 1.307 | 1.421 | 1.386 | 1.277 | 1.333 | 5.92 |
| 34) | | Bis(2-ethylhex... | 1.035 | 0.867 | 0.751 | 0.818 | 0.866 | 0.875 | 0.834 | 0.864 | 10.06 |
| 35) | | Indeno(1,2,3-c... | 2.091 | 2.095 | 1.936 | 2.003 | 2.083 | 2.002 | 1.830 | 2.006 | 4.85 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 36) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 37) | | Benzo(b)fluora... | 1.234 | 1.200 | 1.115 | 1.303 | 1.396 | 1.355 | 1.327 | 1.276 | 7.64 |
| 38) | | Benzo(k)fluora... | 1.524 | 1.261 | 1.220 | 1.361 | 1.466 | 1.387 | 1.300 | 1.360 | 8.05 |
| 39) | C | Benzo(a)pyrene | 1.337 | 1.204 | 1.106 | 1.248 | 1.329 | 1.283 | 1.234 | 1.249 | 6.35 |
| 40) | | Dibenzo(a,h)an... | 1.393 | 1.358 | 1.331 | 1.428 | 1.541 | 1.463 | 1.398 | 1.416 | 4.94 |
| 41) | | Benzo(g,h,i)pe... | 1.522 | 1.495 | 1.374 | 1.468 | 1.531 | 1.442 | 1.376 | 1.458 | 4.42 |

(#) = Out of Range