# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031215\
Data File : BF077734.D
Acq On : 12 Mar 2015 20:21
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Mar 13 01:51:02 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 13 00:57:09 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 2 | | 1,4-Dioxane | 0.520 | 0.477 | 8.3 | 92 | 0.00 |
| 3 | | Pyridine | 1.398 | 1.385 | 0.9 | 103 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.609 | 0.585 | 3.9 | 90 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.146 | 1.151 | -0.4 | 105 | -0.01 |
| 6 | | Aniline | 2.025 | 1.986 | 1.9 | 102 | -0.01 |
| 7 | S | Phenol-d6 | 1.416 | 1.454 | -2.7 | 105 | 0.00 |
| 8 | | 2-Chlorophenol | 1.364 | 1.357 | 0.5 | 105 | 0.00 |
| 9 | | Benzaldehyde | 0.580 | 0.605 | -4.3 | 106 | 0.00 |
| 10 | C | Phenol | 1.673 | 1.699 | -1.6 | 106 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.253 | 1.276 | -1.8 | 104 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.517 | 1.521 | -0.3 | 105 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.576 | 1.530 | 2.9 | 104 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.445 | 1.435 | 0.7 | 105 | -0.01 |
| 15 | | Benzyl Alcohol | 1.105 | 1.110 | -0.5 | 103 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.689 | 1.688 | 0.1 | 104 | 0.00 |
| 17 | | 2-Methylphenol | 1.110 | 1.110 | 0.0 | 102 | 0.00 |
| 18 | | Hexachloroethane | 0.517 | 0.541 | -4.6 | 113 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.979 | 0.937 | 4.3 | 100 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.457 | 1.489 | -2.2 | 107 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 22 | | Acetophenone | 0.443 | 0.435 | 1.8 | 101 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.305 | 0.300 | 1.6 | 103 | -0.01 |
| 24 | | Nitrobenzene | 0.329 | 0.316 | 4.0 | 103 | -0.01 |
| 25 | | Isophorone | 0.616 | 0.603 | 2.1 | 100 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.161 | 0.164 | -1.9 | 97 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.293 | 0.294 | -0.3 | 101 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.374 | 0.371 | 0.8 | 103 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.279 | 0.277 | 0.7 | 100 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.313 | 0.312 | 0.3 | 102 | 0.00 |
| 31 | | Naphthalene | 1.027 | 1.034 | -0.7 | 104 | 0.00 |
| 32 | | Benzoic acid | 0.141 | 0.120 | 14.9 | 79 | -0.01 |
| 33 | | 4-Chloroaniline | 0.417 | 0.410 | 1.7 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.177 | 0.174 | 1.7 | 102 | 0.00 |
| 35 | | Caprolactam | 0.082 | 0.078 | 4.9 | 97 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.281 | 0.272 | 3.2 | 101 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.690 | 0.697 | -1.0 | 102 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 102 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.597 | 0.566 | 5.2 | 98 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.254 | 0.255 | -0.4 | 95 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.191 | 0.177 | 7.3 | 94 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.413 | 0.398 | 3.6 | 95 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.446 | 0.414 | 7.2 | 96 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.361 | 1.285 | 5.6 | 101 | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031215\
Data File : BF077734.D
Acq On : 12 Mar 2015 20:21
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Mar 13 01:51:02 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 13 00:57:09 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.599 | 1.572 | 1.7 | 100 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.299 | 1.254 | 3.5 | 101 | -0.01 |
| 47 | | 2-Nitroaniline | 0.323 | 0.325 | -0.6 | 98 | 0.00 |
| 48 | | Acenaphthylene | 2.161 | 2.111 | 2.3 | 103 | 0.00 |
| 49 | | Dimethylphthalate | 1.483 | 1.451 | 2.2 | 103 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.307 | 0.301 | 2.0 | 100 | -0.01 |
| 51 | C | Acenaphthene | 1.239 | 1.220 | 1.5 | 101 | 0.00 |
| 52 | | 3-Nitroaniline | 0.357 | 0.355 | 0.6 | 99 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.093 | 0.072 | 22.6 | 78 | -0.01 |
| 54 | | Dibenzofuran | 1.837 | 1.729 | 5.9 | 97 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.265 | 0.237 | 10.6 | 86 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.401 | 0.392 | 2.2 | 100 | -0.01 |
| 57 | | Fluorene | 1.526 | 1.479 | 3.1 | 99 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.344 | 0.323 | 6.1 | 95 | 0.00 |
| 59 | | Diethylphthalate | 1.445 | 1.395 | 3.5 | 99 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.696 | 0.659 | 5.3 | 99 | 0.00 |
| 61 | | 4-Nitroaniline | 0.356 | 0.351 | 1.4 | 100 | 0.00 |
| 62 | | Azobenzene | 1.381 | 1.345 | 2.6 | 92 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 104 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.078 | 0.078 | 0.0 | 91 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.666 | 0.649 | 2.6 | 98 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.213 | 0.202 | 5.2 | 95 | 0.00 |
| 67 | | Hexachlorobenzene | 0.235 | 0.220 | 6.4 | 96 | 0.00 |
| 68 | | Atrazine | 0.187 | 0.188 | -0.5 | 99 | 0.00 |
| 69 | C | Pentachlorophenol | 0.104 | 0.102 | 1.9 | 92 | 0.00 |
| 70 | | Phenanthrene | 1.148 | 1.123 | 2.2 | 101 | 0.00 |
| 71 | | Anthracene | 1.134 | 1.100 | 3.0 | 103 | -0.01 |
| 72 | | Carbazole | 1.079 | 1.029 | 4.6 | 102 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.210 | 1.165 | 3.7 | 100 | -0.01 |
| 74 | C | Fluoranthene | 1.266 | 1.202 | 5.1 | 93 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 102 | -0.14 |
| 76 | | Benzidine | 0.546 | 0.379 | 30.6# | 76 | -0.02 |
| 77 | | Pyrene | 1.258 | 1.200 | 4.6 | 90 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.819 | 0.758 | 7.4 | 90 | -0.03 |
| 79 | | Butylbenzylphthalate | 0.496 | 0.496 | 0.0 | 101 | -0.06 |
| 80 | | Benzo(a)anthracene | 1.186 | 1.135 | 4.3 | 102 | -0.14 |
| 81 | | 3,3'-Dichlorobenzidine | 0.391 | 0.366 | 6.4 | 101 | -0.13 |
| 82 | | Chrysene | 1.066 | 1.045 | 2.0 | 101 | -0.14 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.751 | 0.729 | 2.9 | 101 | -0.15 |
| 84 | c | Di-n-octyl phthalate | 1.284 | 1.267 | 1.3 | 104 | -0.27 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.331 | 1.309 | 1.7 | 109 | -0.53# |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 101 | -0.41 |
| 87 | | Benzo(b)fluoranthene | 1.306 | 1.246 | 4.6 | 97 | -0.33 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031215\
Data File : BF077734.D
Acq On : 12 Mar 2015 20:21
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Mar 13 01:51:02 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 13 00:57:09 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.020 | 1.138 | -11.6 | 118 | -0.34 |
| 89 C | Benzo(a)pyrene | 1.089 | 1.117 | -2.6 | 105 | -0.40 |
| 90 | Dibenzo(a,h)anthracene | 1.081 | 1.140 | -5.5 | 108 | -0.54# |
| 91 | Benzo(g,h,i)perylene | 1.100 | 1.155 | -5.0 | 106 | -0.54# |

(#) = Out of Range SPCC's out = 0 CCC's out = 0