Table S2 Table 5 Matrix effects and recoveries of BIC, the M7, M8 metabolite and DDB

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Group | No. | Res.-M7 | RR-M7 | Res.-M8 | RR-M8 | Res.-BIC | RR-BIC | Res.-DDB | RR-DDB |
| Matrix  effects | L1 | 899 | 89.27 | 405 | 94.02 | 1334 | 91.71 | 42014 | 93.98 |
| L2 | 868 | 86.18 | 394 | 91.4 | 1407 | 96.73 | 43346 | 96.96 |
| L3 | 910 | 90.29 | 451 | 104.55 | 1362 | 93.63 | 42743 | 95.62 |
| L4 | 963 | 95.57 | 425 | 98.49 | 1333 | 91.66 | 40510 | 90.62 |
| L5 | 1028 | 102.01 | 413 | 95.74 | 1223 | 84.07 | 41818 | 93.55 |
| L6 | 975 | 96.8 | 412 | 95.56 | 1468 | 100.9 | 40751 | 91.16 |
| M1 | 9791 | 89.89 | 3556 | 94.8 | 15371 | 101.7 |  |  |
| M2 | 9267 | 85.07 | 3411 | 90.93 | 14177 | 93.8 |  |  |
| M3 | 10386 | 95.35 | 3745 | 99.84 | 14531 | 96.14 |  |  |
| M4 | 10433 | 95.78 | 3563 | 94.99 | 15093 | 99.86 |  |  |
| M5 | 9420 | 86.48 | 3607 | 96.15 | 14867 | 98.36 |  |  |
| M6 | 9753 | 89.53 | 3577 | 95.36 | 14618 | 96.72 |  |  |
| H1 | 182505 | 95.91 | 59182 | 98.84 | 231514 | 100.02 |  |  |
| H2 | 161812 | 85.03 | 55134 | 92.08 | 209358 | 90.45 |  |  |
| H3 | 193411 | 101.64 | 57919 | 96.73 | 225222 | 97.3 |  |  |
| H4 | 178927 | 94.03 | 57449 | 95.95 | 222982 | 96.33 |  |  |
| H5 | 186625 | 98.07 | 58258 | 97.3 | 215185 | 92.96 |  |  |
| H6 | 167473 | 88.01 | 57591 | 96.18 | 212425 | 91.77 |  |  |
| Extraction  recovery  rate | L1 | 868 | 86.12 | 411 | 95.41 | 1375 | 94.5 | 42989 | 94.65 |
| L2 | 893 | 88.61 | 397 | 92.02 | 1216 | 83.56 | 43388 | 95.53 |
| L3 | 923 | 91.6 | 404 | 93.72 | 1268 | 87.18 | 44310 | 97.56 |
| L5 | 905 | 89.83 | 379 | 87.82 | 1300 | 89.37 | 44001 | 96.88 |
| L6 | 918 | 91.16 | 394 | 91.3 | 1210 | 83.2 | 44346 | 97.64 |
| M1 | 10228 | 93.9 | 3903 | 104.05 | 14207 | 94 |  |  |
| M2 | 10848 | 99.6 | 3862 | 102.96 | 12719 | 84.15 |  |  |
| M3 | 10303 | 94.59 | 4053 | 108.03 | 13216 | 87.44 |  |  |
| M4 | 9932 | 91.18 | 3790 | 101.03 | 12274 | 81.21 |  |  |
| M5 | 9572 | 87.88 | 3764 | 100.33 | 13449 | 88.98 |  |  |
| M6 | 9853 | 90.45 | 3800 | 101.31 | 13567 | 89.76 |  |  |
| H1 | 186065 | 97.78 | 53073 | 88.64 | 214279 | 92.57 |  |  |
| H2 | 166862 | 87.69 | 53609 | 89.54 | 223786 | 96.68 |  |  |
| H3 | 179934 | 94.56 | 56310 | 94.05 | 217562 | 93.99 |  |  |
| H4 | 165049 | 86.73 | 51725 | 86.39 | 213659 | 92.3 |  |  |
| H5 | 175092 | 92.01 | 53102 | 88.69 | 229371 | 99.09 |  |  |
| H6 | 163415 | 85.88 | 55945 | 93.44 | 240448 | 103.88 |  |  |