**Table S2** Influence of gradient elution programs, flow rates, injection volumes, chromatographic column temperatures, and chromatographic column types on RCFs.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | Experiment | RCFs | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| Gradient elution program ACN % | 9/28/35/40 | 1.103 | 1.302 | 1.002 | 1.084 | 0.974 | 0.863 |
| 10/29/36/41 | 1.104 | 1.300 | 1.000 | 1.085 | 0.975 | 0.863 |
| 11/30/37/42 | 1.103 | 1.301 | 1.002 | 1.086 | 0.975 | 0.862 |
| Flow rate | 0.95 mL/min | 1.106 | 1.301 | 1.001 | 1.086 | 0.977 | 0.864 |
| 1.00 mL/min | 1.104 | 1.300 | 1.000 | 1.087 | 0.975 | 0.863 |
| 1.05 mL/min | 1.008 | 1.303 | 1.003 | 1.088 | 0.978 | 0.866 |
| Injection volume | 8 μL | 1.103 | 1.301 | 1.001 | 1.083 | 0.974 | 0.862 |
| 10 μL | 1.104 | 1.300 | 1.001 | 1.085 | 0.976 | 0.863 |
| 12 μL | 1.107 | 1.303 | 1.003 | 1.087 | 0.977 | 0.866 |
| Column temperature | 27 °C | 1.107 | 1.303 | 1.002 | 1.087 | 0.977 | 0.865 |
| 30 °C | 1.105 | 1.302 | 1.000 | 1.085 | 0.975 | 0.863 |
| 33 °C | 1.108 | 1.303 | 1.003 | 1.086 | 0.974 | 0.866 |
| Column type | Agilent a | 1.105 | 1.302 | 1.004 | 1.083 | 0.974 | 0.865 |
| Kromasil b | 1.104 | 1.300 | 1.002 | 1.087 | 0.975 | 0.863 |
| Phenomenex c | 1.106 | 1.302 | 1.005 | 1.082 | 0.972 | 0.866 |

a Agilent Zorbax SB-Aq C18 (5 μm, 100 Å, 4.6 mm × 250 mm); b Kromasil 100-5 C18 (5 μm, 100 Å, 4.6 mm × 250 mm); c Phenomenex Gemini NX C18 (5 μm, 100 Å, 4.6 mm × 250 mm).