**Table S2 The gradient conditions for HILIC separation of polar molecules**

|  |  |  |
| --- | --- | --- |
| **Total time (min)** | **A (v %)** | **B (v %)** |
| 0 | 95 | 5 |
| 1 | 95 | 5 |
| 10 | 50 | 50 |
| 12 | 50 | 50 |
| 12.1 | 95 | 5 |
| 16 | 95 | 5 |

min: minute; HILIC: hydrophilic interaction liquid chromatography.