Electronic Supplementary Information

Silica based click amino stationary phase for ion chromatography and hydrophilic interaction liquid chromatography

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**SI-Table** Elemental analysis results of the azide-silica and CTASP.

<table>
<thead>
<tr>
<th>Stationary Phase</th>
<th>N%</th>
<th>C%</th>
<th>Surface Coverage (mmol/g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Azide silica</td>
<td>1.71</td>
<td>4.30</td>
<td>1.22</td>
</tr>
<tr>
<td>CTASP</td>
<td>2.02</td>
<td>6.02</td>
<td>1.44</td>
</tr>
<tr>
<td>ASP</td>
<td>1.04</td>
<td>4.41</td>
<td>0.74</td>
</tr>
</tbody>
</table>

**SI-Fig.1** IR spectral of azide-silica and CTASP
**SI-Fig. 2** Run-to-run reproducibility of the CTASP-based column

Conditions same to Fig. 2.

**SI-Fig. 3** Effect of pH value of the eluent on the retention. Conditions same to Fig. 2.
**SI-Fig. 4** Effect of salt concentration added in the mobile phase on the retention of analytes. Conditions: A, nucleosides; B, small molecule acids. Other conditions same to Fig. 3.
SI-Fig. 5  Effect of pH value of the mobile phase on the retention of analytes

Conditions: a, nucleosides; b, organic acids; c, organic bases. Other conditions same to Fig. 3.