Electronic Supplementary Information

The synthesis of two long-chain N-hydroxy amino coumarin compounds and their applications in the analysis of aldehydes†

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**Table S1** Linear calibration range, regression equation, detection limit and reproducibility of furfural after nitrone formation

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<th>Analyte</th>
<th>Dynamic Range (nM)</th>
<th>Linearity</th>
<th>LOD(^a) (nM)</th>
<th>RSD(^b)</th>
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<tr>
<td>Furfural</td>
<td>8-1600</td>
<td>Y=6.77×10^3X+4.32×10^4</td>
<td>0.9965</td>
<td>1.6</td>
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\(^a\)S/N = 3, per 20 μL injection volume.

\(^b\)n=6.

\(^c\)X: furfural concentration (nM), Y: peak area (mV • min)