

**Table S2. UHPLC gradients.**

<b>Mobile Gradient - LC-orbitrap</b>			
Time (min)	Mobile phase %B	Flow (ul/min)	To
0	30	300	Waste
1	30	300	MS
18	85	300	MS
20	90	300	MS
24	90	300	MS
28	30	300	WASTE
30	30	300	END
Sample injection	5 ul		
column oven temp (in Celsius)	40		
Auto sampler temp (in Celsius)	10		