

Table S2. Main factors, symbols, levels, design matrix and experimental results for the optimization of amount of adsorbent and desorption time by CCD

Factors (symbols)	Low (-1)	Central (0)	High (+1)
Amount of adsorbent (A)	2	4	6
Desorption time (E)	2	3.5	5

Numbers	Parameters		Peak area
	A	E	
1	0	0	164
2	1	1	122
3	0	1	130
4	-1	0	163
5	0	-1	185
6	-1	-1	190
7	0	0	160
8	1	0	144
9	0	0	158
10	-1	1	142
11	0	0	159
12	0	0	159
13	1	-1	173