Supporting Information

Analysis of bioactive constituents of saffron using ultrasonic assisted emulsification microextraction combined to high-performance liquid chromatography with diode array detector: A chemometric study

Madineh Chaharlangi[a] , Hadi Parastar[b,*] , Akbar Malekpour[a]

[a] *Department of Chemistry, University of Isfahan, Isfahan, Iran.*

[b]*Department of Chemistry, Sharif University of Technology, Tehran, Iran.*

Table S1 Design matrix and the responses for central composite design (CCD)

Run number	Point type	A	B	C	D	Response
1	Fact	80	30	20	**2**	8.84E+9
2	Fact	40	30	10	2	8.48E+9
3	Fact	40	30	20	4	4.11E+9
4	Center	60	50	15	3	4.61E+9
5	Center	60	50	15	3	4.41E+9
6	Axial	60	50	15	1	1.28E+10
7	Fact	80	30	10	4	5.77E+9
8	Fact	80	70	10	2	1.28E+10
9	Center	60	50	15	3	4.99E+9
10	Axial	60	50	25	3	7.07E+9
11	Center	60	50	15	3	6.02E+9
12	Center	60	50	15	3	4.88E+9
13	Fact	40	70	10	2	1.32E+10

14	Fact	40	70	10	4	4.83E+9
15	Axial	80	90	15	3	1.13E+10
16	Fact	80	70	10	4	3.85E+9
17	Fact	80	30	10	2	8.21E+9
18	Fact	40	30	20	2	9.03E+9
19	Axial	60	50	15	5	2.24E+9
20	Fact	40	30	10	4	3.12E+9
21	Fact	40	70	20	4	3.45E+9
22	Axial	60	50	5	3	5.81E+9
23	Fact	80	30	20	4	4.80E+9
24	Axial	20	50	15	3	7.89E+9
25	Fact	80	70	20	4	9.20E+9
26	Fact	80	70	20	2	9.15E+9
27	Axial	100	50	15	3	4.54E+9
28	Axial	60	10	15	3	3.74E+9
29	Fact	40	70	20	2	1.39E+10
30	Center	60	50	15	3	3.42E+9