

Table S1: Original experimental data BDD/NaCl

time [min]	Molar [nM]					
	SA	23dHBA	25dHBA	3CISA	5CISA	35dCISA
0	372265	0	0	0	0	0
10	272619	1345	5690	19503	27598	10675
20	193637	1422	5783	31926	47903	19834
30	150232	1244	5666	40908	63529	29030
45	75409	n/a	5597	40073	67456	36364
60	38558	1204	n/a	35448	66625	44029
90	8268	1200	5607	21737	54702	54230
120	1537	n/a	n/a	9422	38328	57982
150	864	n/a	n/a	3098	25883	52637
180	866	n/a	5604	365	16296	44983
210	842	n/a	n/a	n/a	9463	34433
240	840	n/a	n/a	n/a	4559	25690

Table S2: Original experimental data Pt/NaCl

time [min]	Molar [nM]					
	SA	23dHBA	25dHBA	3CISA	5CISA	35dCISA
0	342261	1215	0	0	0	0
10	324217	0	5636	4024	5756	1101
20	306330	1240	5747	10114	13158	2952
30	286563	1688	6137	17807	23415	5396
45	252034	2265	6519	24259	32199	8016
60	208188	2431	6874	27725	38059	10605
90	180921	2154	6607	39299	55276	17665
120	127803	1443	6158	39490	60338	22177
150	89700	1268	5846	41626	66001	27425
180	62541	n/a	5693	41305	68812	31923
210	37793	n/a	5608	35979	65685	34965
240	23680	n/a	n/a	31897	65145	41232

Table S3: Original experimental data BDD/Na₂SO₄

time [min]	Molar [nM]		
	SA	23dHBA	25dHBA
0	363504	0	0
10	326858	1224	5613
20	319445	1288	5621
30	348882	1321	5734
45	312439	1329	5800
60	305420	1366	5836
90	294436	1419	5899
120	282686	1366	5713
150	257457	1332	5642
180	268742	1288	5616
210	253400	1296	n/a
240	240913	1255	5600

Table S4: Original experimental data Pt/Na₂SO₄

time [min]	Molar [nM]		
	SA	23dHBA	25dHBA
0	414520	0	0
10	367410	n/a	4398
20	364182	796	4541
30	362875	1012	4635
45	351674	1102	4924
60	358990	1351	5347
90	382203	1821	6585
120	356732	2167	7599
150	382103	2493	9186
180	332207	2555	9958
210	400172	3241	12049
240	349633	3239	12392

Table S5: LOQ values of analysed compounds

Compound	LOQ [nM]
SA	100
23dHBA	250
25dHBA	250
26dHBA	10
3CISA	150
4CISA	150
5CISA	150
35dCISA	5