

Table S1. Enrichment factors of the respective ions in treatment groups compared to the control calculated based on mass spectrometry. The mass/charge ratios (m/z) 136 and 150 are the molecular ions of 2-hydroxy-6-methyl-benzaldehyde and 3-hydroxybenzene-1,2-dicarbaldehyde, respectively and thus showed no enrichment.

m/z	¹³ C ₆ , d ₇ D-glucose	¹³ C ₃ malonic acid	sodium [¹³ C ₁] acetate	[¹³ C ₆] phenylalanine
<u>2-hydroxy-6-methyl-benzaldehyde</u>				
136 [M ⁺]	0	0	0	0
137	8	5	3	3
138	62	38	21	19
139	180	60	17	23
140	269	72	3	23
141	94	25	13	3
142	87	23	14	2
143	86	18	15	1
144	47	17	8	<1
<u>3-hydroxybenzene-1,2-dicarbaldehyde</u>				
150 [M ⁺]	0	0	0	0
151	4	1	1	2
152	64	20	2	24
153	423	48	14	66
154	2112	151	143	252
155	1170	23	59	96
156	938	15	42	37
157	668	2	30	21
158	737	1	31	1