

Table S1. The HPLC-RID acquired method parameters.			
Agilent technologies 1260 infinity series			
Iso. Pump (G1310B)		Enable Analysis Right Temperature Value: 0.8 °C	
Flow:	0.600 mL/min	VWD (G1314F)	
Low Pressure Limit:	5.00 bar	Signal Peakwidth:	> 0.1 min (2 s resp. time) (5 Hz)
High Pressure Limit:	90.00 bar	Analog Output Source Channel:	1
Maximum Flow Gradient:	50.000 mL/min ²	Signal Polarity:	Positive (+)
Stroke		Lamp on required for aquisition:	Yes
Stroke:	100 µL	Acquire Signal without Reference:	No
Compress		Analog Output	
Compressibility:	50 10e-6/bar	Analog Zero Offset:	5 %
Stop Time		Analog Attenuation:	1000 mAU
Stoptime:	75.00 min	Signal	
Post Time		Signal Wavelength:	275 nm
Posttime:	1.00 min	Scan Variables	
Solvent Composition	A 0.004M H2SO4 100%	Scan Range From:	190 nm
Sampler (G1329B)		Scan Range To:	400 nm
Auxiliary		Scan Range Step:	2 nm
Draw Speed:	100 µL/min	RID (G1362A)	
Eject Speed:	100 µL/min	Auto zero before analysis:	Yes
Draw Position Offset:	0.0 mm	Acquire Signal A:	Yes
Injection		Peakwidth:	> 0.1 min (2 s response time) (4.63 Hz)
Injection Mode:	Injection with needle wash	Signal Polarity:	Positive (+)
Injection Volume:	1.00 µL	Analog Output	
Column Comp. (G1316A) (HPX-87H from Bio rad)		Analog Zero Offset:	5 %
Left Temperature Control		Analog Attenuation:	500000 nRIU
Temperature:	65.0 °C	Optical Unit Temperature	
Enable Analysis Left Temperature Value:	0.8 °C	Temperature:	35.00 °C

Table S2. Showing the intraday precision of GC-MS vs. HPLC-RID				
Instrument	Sample	Intra-day precision		
		Average [GA] (g/L)	SD	%RSD
Agilent 7890A GC. 5975C MSD)	1	165,39	5,71	3,45
	2	7,08	0,93	13,18
	3	68,41	3,56	5,21
	4	169,19	7,88	4,66
	5	230,91	4,74	2,05
	6	66,37	3,86	5,82
	7	80,75	4,61	5,71
	8	71,31	3,59	5,03
	9	76,68	5,33	6,95
	10	83,65	2,56	3,06
	11	85,51	3,97	4,64
	12	31,68	2,63	8,32
	13	5,19	0,52	10,04
	14	19,10	1,95	10,21
Agilent HPLC 1260 infinity series	1	169,8	6,1	3,59
	2	10,2	1,8582	18,25
	3	79,4	4,45	5,60
	4	191,8	9,77	5,09
	5	245,4	7,36	3,00
	6	69,8	4,22	6,05
	7	89,0	5,1	5,73
	8	66,1	5,18	7,83
	9	77,4	6,11	7,90
	10	80,7	6,5	8,06
	11	89,4	4,205	4,71
	12	36,3	3,2	8,81
	13	9,9	1,8	18,31
	14	21,2	2,5	11,77