

Table 5. Calibration data on phenolic compounds determination by HPLC-DAD and LC-MS ion parameters

Phenolic compound	Gallic acid	Protocatechuic acid	DL-p-Hydroxyphenyl lactic acid	p-Hydroxybenzoic acid	3,4-Dihydroxy hydrocinnamic acid	Caffeic acid	Salicylic acid	p-Coumaric acid	Ferulic acid	Rosmarinic acid	2-Hydroxy-4-methoxybenzoic acid	(+)-Lithospermic acid
<b>HPLC-DAD</b>												
Detection wavelength (nm)	280	280	280	280	280	320	300	280	280	320	280	-
Retention time (min)	6.8	9.4	10.8	13.1	15.9	21.9	31.0	31.5	32.3	35.2	38.2	-
Linear range (mg/L)	2.5-85.0	1.5-70.0	2.0-65.0	5.0-110.0	2.5-65.0	12.0-75.0	2.5-40.0	2.0-80.0	0.5-55.5	9.0-85.0	6.0-80.0	-
R <sup>2</sup>	0.9991	0.9989	0.9990	0.9953	0.9994	0.9990	0.9993	0.9992	0.9987	0.9995	0.9699	-
LOD (mg/L)	0.13	0.15	0.18	0.11	0.12	0.10	0.10	0.10	0.14	0.13	0.20	-
LOQ (mg/L)	0.36	0.45	0.43	0.30	0.29	0.34	0.33	0.34	0.28	0.34	0.0	-
Recovery rate	98.5±1.6	97.3±1.8	95.0±1.1	100.9±3.1	98.9±1.2	99.5±2.0	102.7±2.1	98.7±1.9	95.7±0.9	97.3±1.2	98.0±2.4	-
<b>LC-MS</b>												
Ionization mode	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative
m/z precursor ion							139.0390					
(Exact mass <sup>a</sup> )	169.01425	153.01868	181.05063	137.02442	163.04007	179.03498	9	163.04007	193.05063	359.07724	167.03498	537.10461
m/z fragment ion <sup>b</sup>	125.02319	109.02970	Negative	93.03325	93.03316	135.04429	93.03460	119.04881	134.03643	109.02650	108.02023	117.056080

<sup>a</sup> Mass error lower than 5 ppm<sup>b</sup> Mass error lower than 10 ppm