

Supporting Information

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Antioxidant Activity and Polyphenol Content of

Vaccinium macrocarpon

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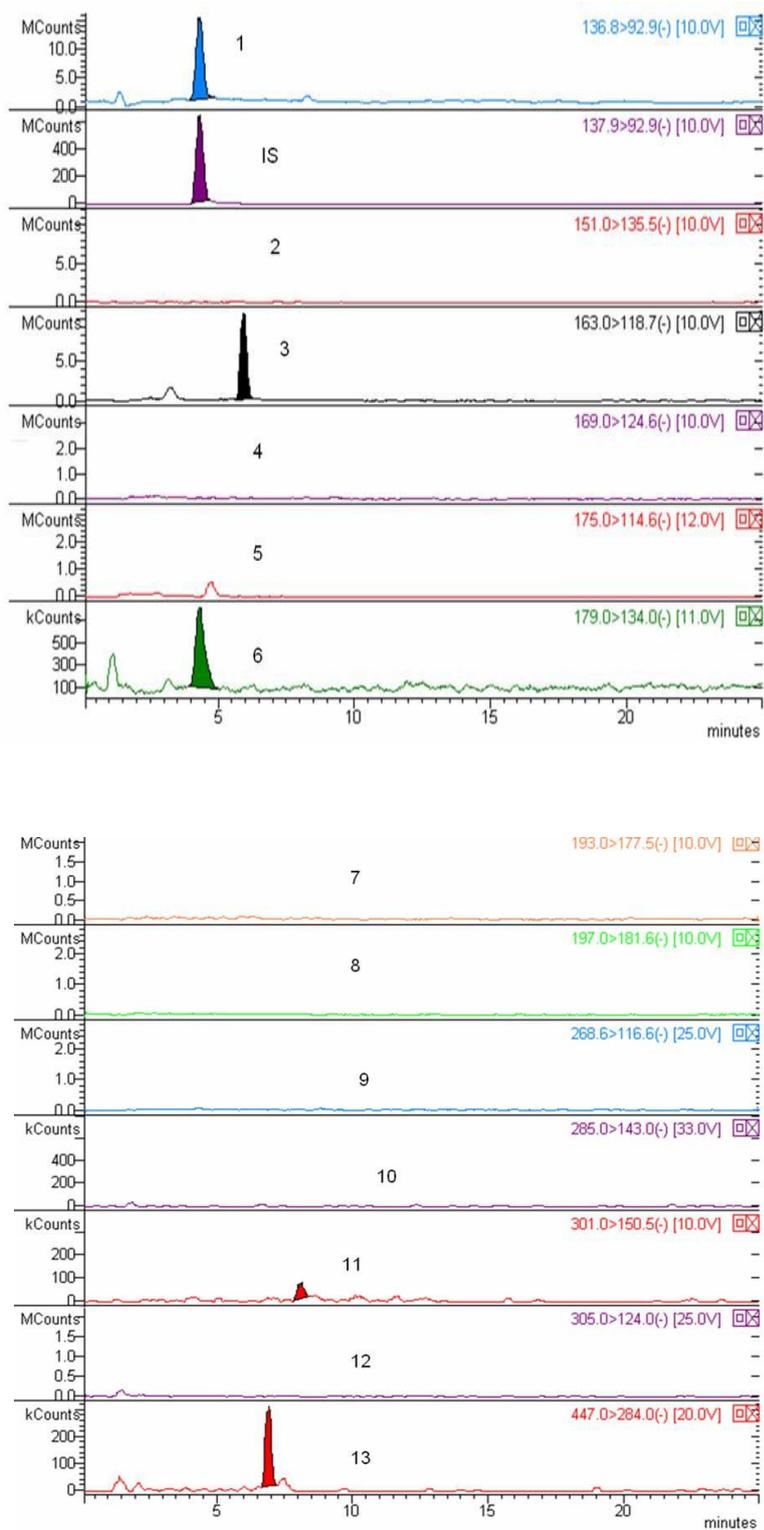
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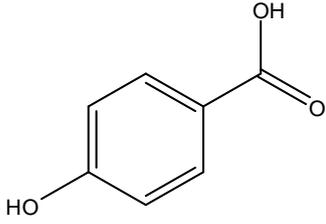
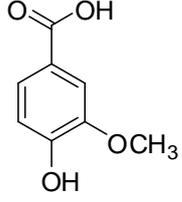
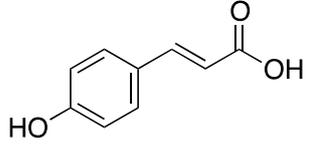
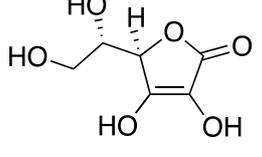
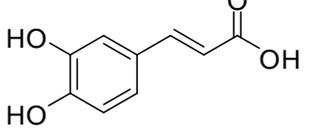
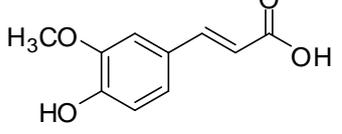
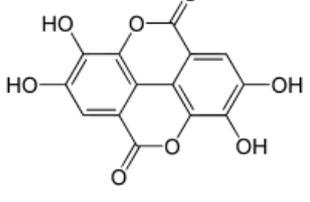
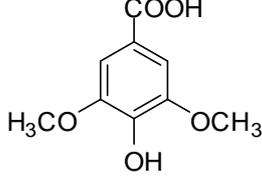
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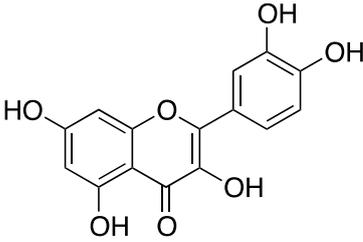
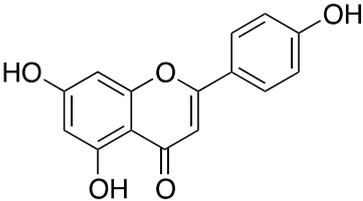
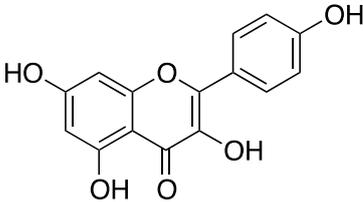
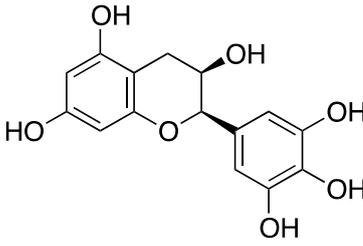
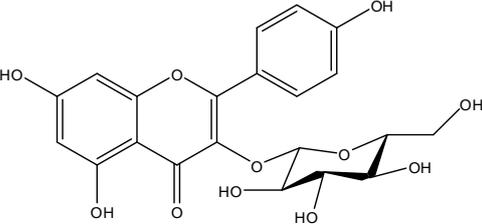
S1 : Validation and uncertainty parameters for antioxidant phenolic compounds.

No	Compound Name	Linear regression equation	r ²	Linear range (ppm)	Recovery (%)
1	p-Hydroxybenzoic acid	y=0.008218948x+0.020704	0.993	0-25	100.7
2	Vanillin	y=0.002947902x-0.00051	0.998	0-25	99.0
3	P-Coumaric acid	y=0.025426162x+0.015864	0.995	0-25	93.6
4	Ascorbic acid	y=4.42e-05x-5.35e ⁻⁰⁵	0.998	2.5-10	108.0
5	Caffeic acid	y=0.022653254x+0.0051188	0.998	0-25	90.0
6	Ferulic acid	y=1.20e-03x+3.28e ⁻⁰⁴	0.997	0-10	94.1
7	Ellagic acid	y=0.001521436x+0.000227	0.996	0-25	99.2
8	Syringic acid	y=0.000210138x-4.34e ⁻⁰⁵	0.998	0-25	94.7
9	Quercetin	y=0.001503664x+9.95e ⁻⁰⁵	0.996	0-25	100.1
10	Apigenin	y=0.00700313x+0.002687	0.996	0-10	102.6
11	Keampferol	y=3.05e-04x-3.86e ⁻⁰⁶	0.995	0-25	99.8
12	Epigallocatechin	y=0.001845122x+0.001374	0.993	0-25	98.7
13	Keampferol-3- glucoside	y=0.009830761x+0.004833	0.994	0-25	101.2
14	Luteoline-7-glucoside	y=0.10395824x+0.004304	0.995	0-25	99.5



S2 : Chromatogram of antioxidants by LC-MS/MS (diluted sample chromatogram for the correct determination of 3-8 in the linear range of LAEC analysis)

1	p-Hydroxybenzoic acid	
2	Vanillin	
3	p-Coumaric acid	
4	Ascorbic acid	
5	Caffeic acid	
6	Ferulic acid	
7	Ellagic acid	
8	Syringic acid	

9	Quercetin	
10	Apigenin	
11	Kaempferol	
12	Epigallocatechin	
13	Kaempferol-3-O-glucoside	

S3: Structure of Reported Compounds