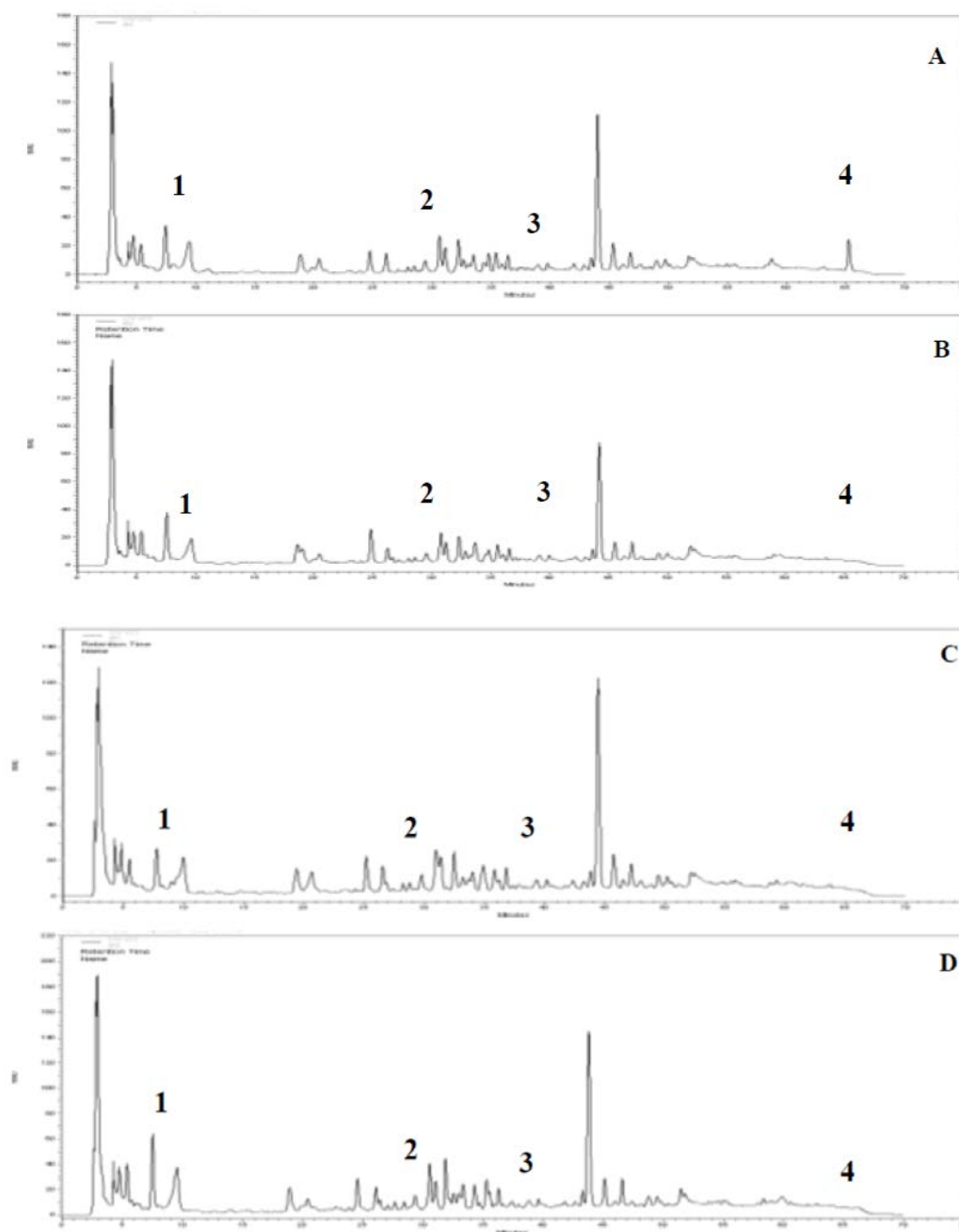# Supplementary material

Figure 1. Chromatogram RP-HPLC at 280 nm of *Physalis peruviana* extracts A: IC1, B: IC2, C: EC2, D: EC1. Identified picks corresponds to: 1- Gallic acid, 2- Catechin, 3- Epicatechin, 4 Quercetin.

Table 1. Cytotoxicity of extracts against L929 and HeLa cell lines.

Sample	L929		HeLa	
	IC50 (µg/mL)	Pearson Coefficient (*P*< 0.05)	IC50 (µg/mL)	Pearson Coefficient (*P*< 0.05)
IC2	66.62±2.67 b	0.9490	60.48±3.28 a	0.9123
EC2	75.48±3.53 ab	0.9578	108.1±3.10 b	0.9316
IC1	83.23±3.36 a	0.9553	100.1±4.45 b	0.9175
EC1	67.32±2.17 b	0.9739	115.5±22.34 b	0.9185
Paclitaxel	5.368±1.23 c	0.9044	1.287±0.06 c	0.9886

HeLa, Human cervical cancer cell line, L929, Murine fibroblast cell line. All the data are the mean (n =3) ± standard deviation. The different letters indicate a significant difference of each compound between the extracts (Tukey P< .05). IC2, Isopropanol extract from crop 1, IC1, Isopropanol extract from crop 2, EC2, Ethanol extract from crop 2, EC1, Ethanol extract from crop 1.

Table 3. Linear correlation coefficients among composition, antioxidant and cytotoxic capacity.

	TP	FRAP	DPPH	TC	GA	CA	EP	QT	EC$_{50}$	IC$_{50H}$
FRAP	0.918*									
DPPH	0.734	0.925*								
Carotenes	-0.646	-0.466	-0.441							
Gallic Acid	0.588	0.86	0.934	-0.095						
Catechin	0.872	0.993*	0.934*	-0.367	0.908					
Epicatechin	-0.085	-0.291	-0.199	-0.699	-0.517	-0.384				
Quercetin	0.577	0.851	0.91	-0.04	0.998*	0.903	-0.575			
EC$_{50}$ DPPH	-0.895	-0.893	-0.672	0.238	-0.688	-0.892	0.515	-0.707		
IC$_{50}$ HeLa	-0.726	-0.423	-0.22	0.88	0.081	-0.316	-0.529	0.111	0.412	
IC$_{50}$ L929	0.394	0.637	0.582	0.385	0.815	0.716	-0.912	0.854	-0.724	0.327

Pearson correlation coefficients between different variables studied. TP: total polyphenols; TC: total carotenes; GA: Gallic Acid; CA: Catechin; EP: Epicatechin; QT: Quercetin; EC$_{50}$, EC$_{50}$ DPPH; IC$_{50H}$, IC$_{50}$ HeLa. *(P < .05).