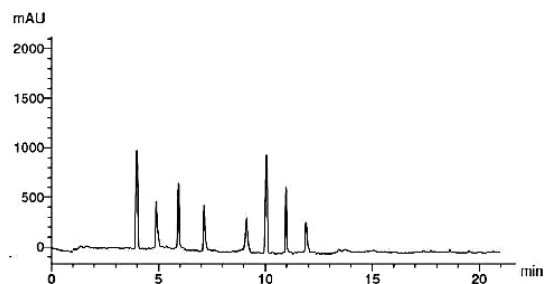
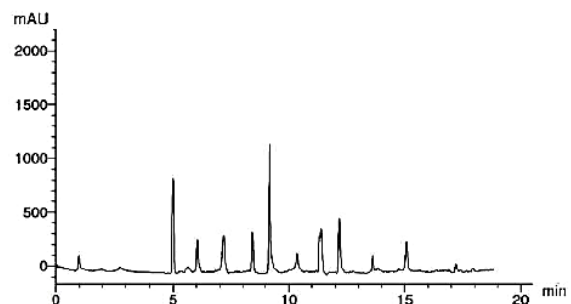


A)



RT#	Compound	Concentration µg/ml
4.0	Naringin	10.66
5.0	Rutin	7.15
6.0	7-OH flavone	8.32
7.0	Quercetin	6.78
9.0	Luteolin	4.06
10.0	Kampferol	10.58
11.0	Hesperidin	8.86
12.0	Catechin	2.56

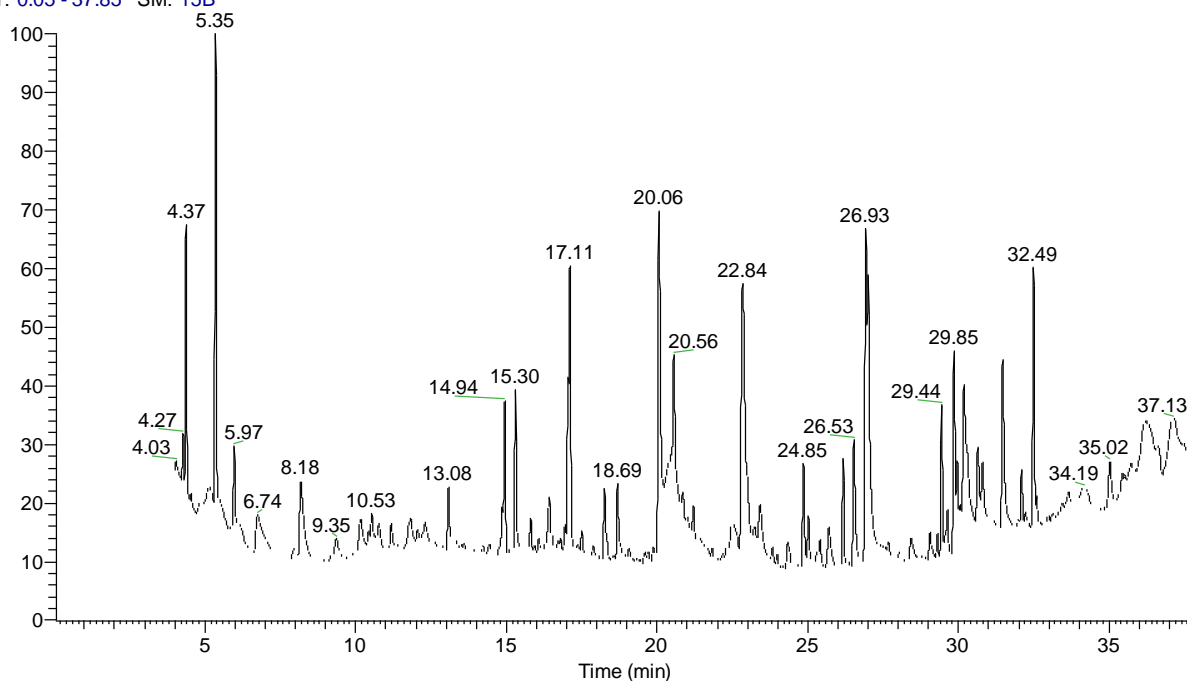
B)



RT#	Compound	Concentration µg/ml
5.0	Syringenic	8.23
6.0	p-coumaric	2.14
7.0	Cinnamic	3.06
8.2	Caffeic	2.55
9.2	pyrogallol	13.37
10.0	Gallic	1.22
11.2	Ferulic	4.87
12.0	Salicylic	5.16
15.0	Benzoic	2.55

C)

RT: 0.05 - 37.85 SM: 15B



NL:
1.92E8
TIC MS
Limonene

Compound number	Retention time	Compound name	Area%	Molecular weight	Molecular formula
1	4.27	(+)-SABINENE	0.78	136	C ₁₀ H ₁₆
2	4.37	α-Pinene	4.18	136	C ₁₀ H ₁₆
3	5.35	Limonene	7.67	136	C ₁₀ H ₁₆
4	5.97	3-Carene	1.55	136	C ₁₀ H ₁₆
5	8.17	4H-Pyran-4-one,	1.92	144	C ₆ H ₈ O ₄

2,3-dihydro-3,5-dihydroxy-6-methyl-					
6	13.07	1,2,3-PROPANETRIOL, TRIACETATE	1.73	218	C9H14O6
7	14.87	trans-Farnesol	0.59	222	C15H26O
8	14.94	Caryophyllene	2.06	204	C15H24
9	15.30	cis-à-Bergamotene	2.87	204	C15H24
10	15.81	2,6,10-DODECATRIEN-1-OL, 3,7,11-TRIMETHYL-	0.60	222	C15H26O
11	16.43	à-ylangene	1.19	204	C15H24
12	17.04	à-Farnesene	2.36	204	C15H24
13	17.11	á-Bisabolene	4.57	204	C15H24
14	18.25	ç-Elementene	1.24	204	C15H24
15	18.69	(-)-Spathulenol	1.56	220	C15H24O
16	20.06	Phenol, 2-ethoxy-5-(1-propenyl)-	8.07	178	C11H14O2
17	20.56	Tetradecane, 2,6,10-trimethyl-	2.98	240	C17H36
18	21.20	Epiglobulol	0.54	222	C15H26O
19	22.84	á-D-Glucopyranose, 4-O-á-D-galactopyranosyl-	10.11	342	C12H22O11
20	26.17	Hexadecanoic acid, methyl ester	1.90	270	C17H34O2
21	26.53	Cyperenone	2.65	218	C15H22O
22	26.93	n-Hexadecanoic acid	5.76	256	C16H32O2
23	27.00	2H-1-Benzopyran-2-one, 5,7-dimethoxy	4.65	206	C11H10O4
24	29.44	11-Octadecenoic acid, methyl ester	2.58	296	C19H36O2
25	29.85	2,5-Cyclohexadiene-1,4-dione, 2,5-bis(1,1-dimethylpropyl)-	3.73	248	C16H24O2
26	29.96	Heptadecanoic acid, 9-methyl-, methyl ester	1.07	298	C19H38O2
27	30.18	Oleic Acid	7.30	282	C18H34O2
28	30.80	Arborescin	1.40	248	C15H20O3
29	31.47	Pimpinellin	3.54	246	C13H10O5
30	32.10	9-Octadecenoic acid (Z)-, 2-hydroxy-1-(hydroxymethyl)ethyl ester	1.01	356	C21H40O4
31	32.49	4a,7,7,10a-Tetramethyldodecahydro benzo[f]chromen-3-ol	4.69	266	C17H30O2
32	35.02	2-[4-methyl-6-(2,6,6-trimethylcyclohex-1-enyl)hexa-1,3,5-trienyl]cyclohex-1-en-1-carboxaldehyde	1.25	324	C23H32O
33	36.22	Ethyl iso-allocholate	0.83	436	C26H44O5

Supplementary S1. The chemical composition of Lemon peel extract. (A) Flavonoid HPLC Chromatograph. (B) Phenolics HPLC Chromatograph (C) GC-TSQ mass spectrometer. The total chemical composition contained 33 identified compounds. The main components consist, á-D-Glucopyranose,4-O-á-D-galactopyranosyl 10.11 %, Limonene 7.67 %, Oleic Acid 7.30%, Phenol, 2-ethoxy-5-(1-propenyl)- 8.07% and n-Hexadecanoic acid 5.76%.

