

GC-MS ANALYSES OF BETULINA BUCHU SAMPLES FROM MOUNTONS VALLEY.

MARCH 12,2021

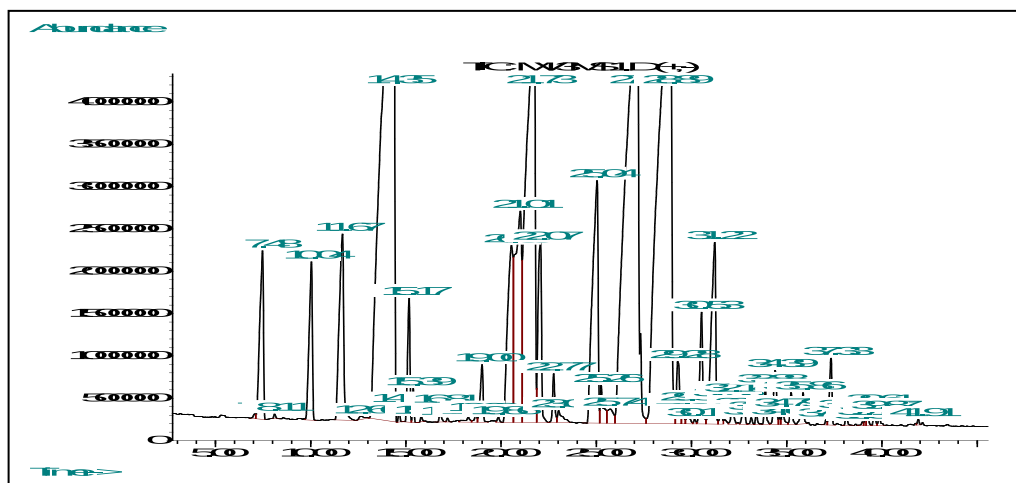
The following sample was received,midday March 11th, for the above analyses:

1.) “ “ Lot MS 1

METHOD.

The samples were analysed by direct/split injection on a HP5MS column in the listed order.The results follow below.

FIG.1. GC-MS TIC of Betulina buchu Lot MS 1



14.648	10588185	0.080	0.385	tr,b-Ocimene
15.172	125179601	0.943	4.556	cis-Ocimene
15.393	21904503	0.165	0.797	g-Terpinene
15.814	3708129	0.028	0.135	terpene
16.807	13029815	0.098	0.474	a-Terpinolene
17.191	3062985	0.023	0.111	no id
18.278	10234413	0.077	0.372	no id
18.677	8692233	0.065	0.316	(dimethyl nonatriene)
19.005	68427885	0.515	2.490	Linalool
19.859	4753289	0.036	0.173	a menthatriene
20.548	410831442	3.093	14.952	L-Menthone
21.011	595882388	4.487	21.687	“
21.734	1528078611	11.505	55.614	Iso-Menthone
22.065	269646840	2.030	9.814	cis-Iso-Pulegone
22.765	45083335	0.339	1.641	cis-Dihydrocarvone
23.027	23533711	0.177	0.857	tr-Dihydrocarvone
25.038	576454431	4.340	20.980	Pulegone
25.257	51024434	0.384	1.857	mw = 170
25.737	36335383	0.274	1.322	mw = 170
27.155	2345565194	17.661	85.367	Iso-Diosphenol
28.894	2527931914	19.034	92.004	Diosphenol
29.285	77631031	0.585	2.825	Myrtenyl acetate
29.564	14315700	0.108	0.521	tr-Carvyl acetate
29.818	21409383	0.161	0.779	cis-Carvyl acetate
30.171	4184424	0.032	0.152	a terpene
30.530	128998686	0.971	4.695	Menthone-8-thiol
31.219	336297480	2.532	12.240	Menthone-8-thiol
31.562	21484016	0.162	0.782	a terpene
32.141	28790417	0.217	1.048	mw = 166
32.709	20254897	0.153	0.737	Methyl Eugenol
33.141	5841465	0.044	0.213	no id
33.406	9193249	0.069	0.335	mw = 200
33.879	32852098	0.247	1.196	mw = 170
34.394	68378161	0.515	2.489	mw = 170
34.623	4857485	0.037	0.177	no id
34.787	16639907	0.125	0.606	no id
35.233	31336513	0.236	1.140	Germacrene-D
35.861	33700590	0.254	1.227	Germacrene-B
37.070	3961143	0.030	0.144	d-Cadinene
37.326	69207136	0.521	2.519	chrysanthene derivate ?
38.137	12125430	0.091	0.441	verbenone derivate
38.986	3334257	0.025	0.121	no id
39.133	5519136	0.042	0.201	mw = 220;terpene
39.254	11149338	0.084	0.406	no id
39.613	16695943	0.126	0.608	mw = 204;terpene
39.867	11927381	0.090	0.434	no id
41.912	4528524	0.034	0.165	no id
