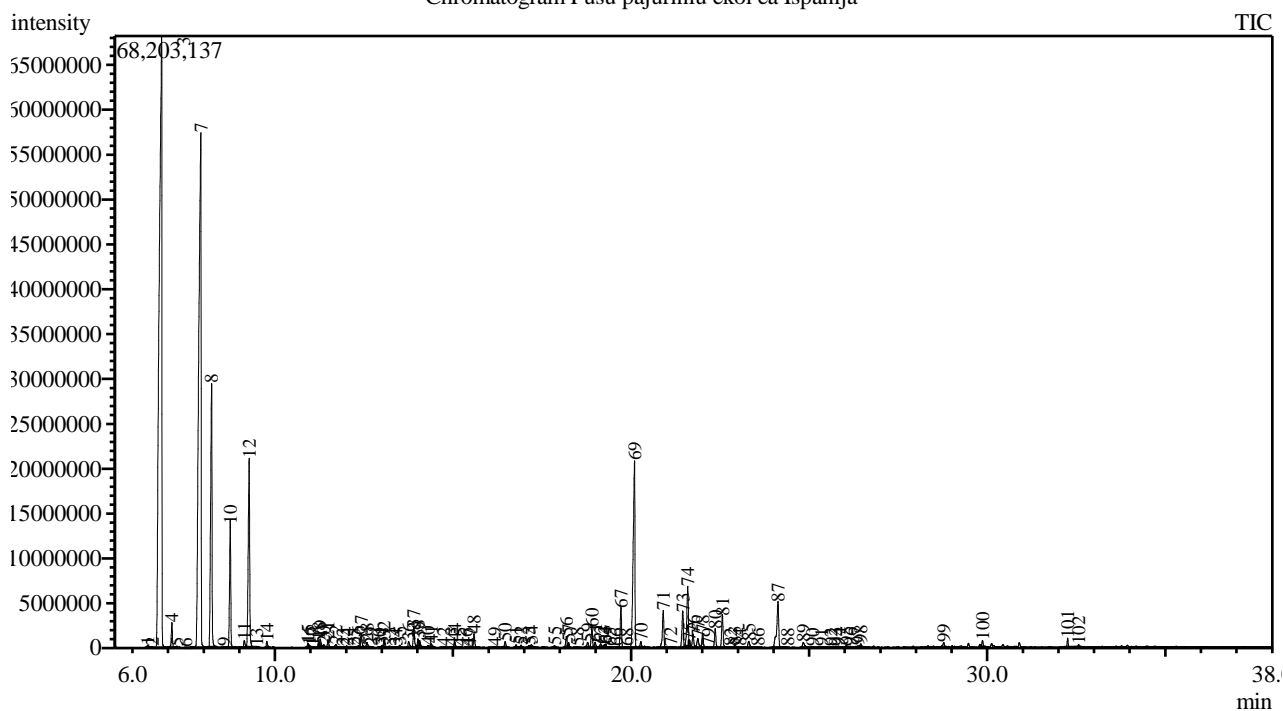


Analysis numb.: GC486
 Analysis date: 2017 11 22
 Sample name: Paj rin puš ekologiškas ea
 Botanical name: Pinus pinaster (Maritime Pine)
 Sample batch num: LOT:1604
 Sample origin: Ispanija
 Best before: 2021 02

Chromatogram Pusu pajuriniu ekol ea Ispanija



Peak Report TIC

Peak#	R.Time	Area	Area%	Name
1	6.426	726517	0.07	Tricyclene
2	6.556	351271	0.03	Thujene <alpha->
3	6.818	359447808	33.43	Pinene <alpha->
4	7.108	6297241	0.59	Fenchene <alpha-> + Camphene
5	7.249	367940	0.03	Thuja-2,4(10)-diene
6	7.500	189048	0.02	Benzaldehyde
7	7.920	266758217	24.81	Pinene <beta->
8	8.222	80310475	7.47	Myrcene
9	8.567	55342	0.01	Phellandrene <alpha->
10	8.750	33547085	3.12	Carene <delta-3->
11	9.144	2140662	0.20	Cymene <para->
12	9.276	59188767	5.50	Limonene*
13	9.487	98719	0.01	Ocimene <cis-, beta->
14	9.779	1644469	0.15	Ocimene <trans-, beta->
15	10.929	1211009	0.11	Terpinolene
16	10.967	259392	0.02	Cymenene <para->
17	11.056	281548	0.03	Epoxy-myrcene <6,7->
18	11.228	1632137	0.15	Pinene oxide <alpha->
19	11.272	1776503	0.17	Linalool*
20	11.376	730249	0.07	Solusterol
21	11.494	2270207	0.21	Unknown
22	11.715	1292609	0.12	Fenchyl alcohol
23	11.913	323898	0.03	Mentha-2,8-dien-1-ol <trans-, para->
24	12.019	470159	0.04	Campholenal <alpha->

Peak#	R.Time	Area	Area%	Name
25	12.220	124519	0.01	Limonene oxide <cis->
26	12.343	467500	0.04	Nopinone
27	12.421	3638995	0.34	Pinocarveol <trans->
28	12.585	1486809	0.14	Verbenol <trans->
29	12.700	335165	0.03	Camphene hydrate
30	12.929	235455	0.02	Bicyclo[3.2.0]heptan-3-ol, 2-methylene-6,6-c
31	13.007	343153	0.03	Pinocamphone <trans->
32	13.063	1865928	0.17	Pinocarvone
33	13.221	842367	0.08	Borneol
34	13.400	124335	0.01	Pinocamphone <cis->
35	13.504	737270	0.07	Terpinen-4-ol
36	13.759	2367886	0.22	Cymen-8-ol <para->
37	13.902	6271846	0.58	Terpineol <alpha->
38	14.017	1867670	0.17	Myrtenal
39	14.060	1963666	0.18	Myrtenol
40	14.302	486296	0.05	Unknown
41	14.392	807045	0.08	Verbenone
42	14.747	635700	0.06	Carveol <trans-> + Isophorone <4-methylene
43	14.956	416109	0.04	Unknown
44	15.052	1846321	0.17	Hexyl 2-methyl butanoate <(3Z)-> + Thymol
45	15.203	296783	0.03	Isovalerate <hexyl->
46	15.367	226470	0.02	Carvone
47	15.473	39664	0.00	Carvotanacetone
48	15.590	4304171	0.40	Linalyl acetate
49	16.175	680773	0.06	(1R,2R,3S,5R)-(-)-2,3-Pinenediol
50	16.464	1735849	0.16	Bornyl acetate
51	16.770	691502	0.06	Tridecane
52	16.909	650346	0.06	Unknown
53	17.130	572455	0.05	Unknown
54	17.197	749957	0.07	Unknown
55	17.850	532439	0.05	Unknown
56	18.182	3115112	0.29	Cubebene <alpha->
57	18.247	1318702	0.12	Longipinene <alpha->
58	18.495	460969	0.04	Neryl acetate
59	18.781	1458176	0.14	Ylangene <alpha->
60	18.903	6108414	0.57	Copaene <alpha->
61	18.994	1793937	0.17	Geranyl acetate
62	19.150	1371737	0.13	Bourbonene <beta->
63	19.254	648894	0.06	Cubebene <beta->
64	19.286	525685	0.05	Sativene
65	19.407	356507	0.03	Unknown
66	19.577	384746	0.04	Methyleugenol
67	19.720	12004102	1.12	Longifolene
68	19.873	158696	0.01	Cedrene <alpha->
69	20.097	71547172	6.65	Caryophyllene
70	20.279	1840010	0.17	Copaene <beta->
71	20.908	12305154	1.14	Humulene <alpha->
72	21.116	244809	0.02	Muurola-4(14),5-diene <cis->
73	21.455	11704126	1.09	Murolene <gamma->
74	21.592	19686482	1.83	Germacrene D
75	21.630	927187	0.09	Butyrate <2-methyl-, phenylethyl->
76	21.743	4461044	0.41	Butanoic acid 3-methyl-, 2-phenylethyl ester
77	21.878	3744051	0.35	Muurola-4(14),5-diene <trans->
78	22.014	4455528	0.41	Murolene <alpha->
79	22.167	215913	0.02	Bisabolene <beta->
80	22.367	5877155	0.55	Cadinene <gamma->
81	22.568	10339553	0.96	Cadinene <delta->
82	22.793	351637	0.03	Cadina-1,4-diene <trans->
83	22.916	1075522	0.10	Bisabolene <(E)-, alpha-> + Cadinene <alpha-
84	23.053	255552	0.02	Calacorene <alpha->
85	23.309	2580246	0.24	Unknown
86	23.557	342070	0.03	Calacorene <beta->
87	24.128	20406653	1.90	Caryophyllene oxide
88	24.393	146047	0.01	Salvial-4(14)-en-1-one
89	24.841	2630478	0.24	Humulene epoxide II
90	25.098	427222	0.04	Unknown
91	25.351	455343	0.04	Epicubenol
92	25.620	479507	0.04	Caryophylla-4(12),8(13)-dien-5alpha-ol
93	25.736	658370	0.06	T-Murolol

Peak#	R.Time	Area	Area%	Name
94	25.832	635522	0.06	Unknown
95	26.050	1117329	0.10	Cadinol <alpha->
96	26.159	589671	0.05	Calamenen-10-ol <cis->
97	26.369	412324	0.04	Calamenen-10-ol <trans->
98	26.449	803032	0.07	Unknown
99	28.782	1992378	0.19	Unknown
100	29.867	1700696	0.16	Unknown
101	32.263	1883243	0.18	Abietatriene
102	32.571	504918	0.05	Abietadiene
		1075217337	100.00	

Kosmetiniai alergenai: *-silpnas, **-vidutinio stiprumo, ***- stiprus alergenai

Analiz atliko

dr. Jurga B dien