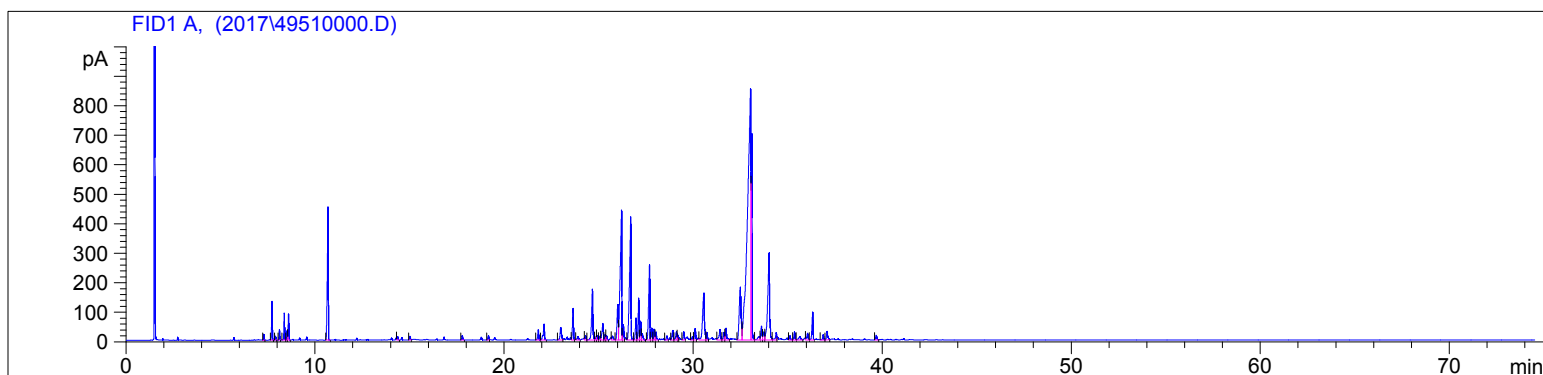


Turmeric (Organic)
4951-KKADT
India
curcuma longa
Sample/CH2CL2: 0.12g/0.42g
Injection: 0.2uL

HP-5 5% Phenyl Methyl Siloxane
30.000m
250.000um
0.250um

2/22/2017 10:48:27 AM
2/22/2017 10:48:27 AM

5/30/2017
4:31:52 PM



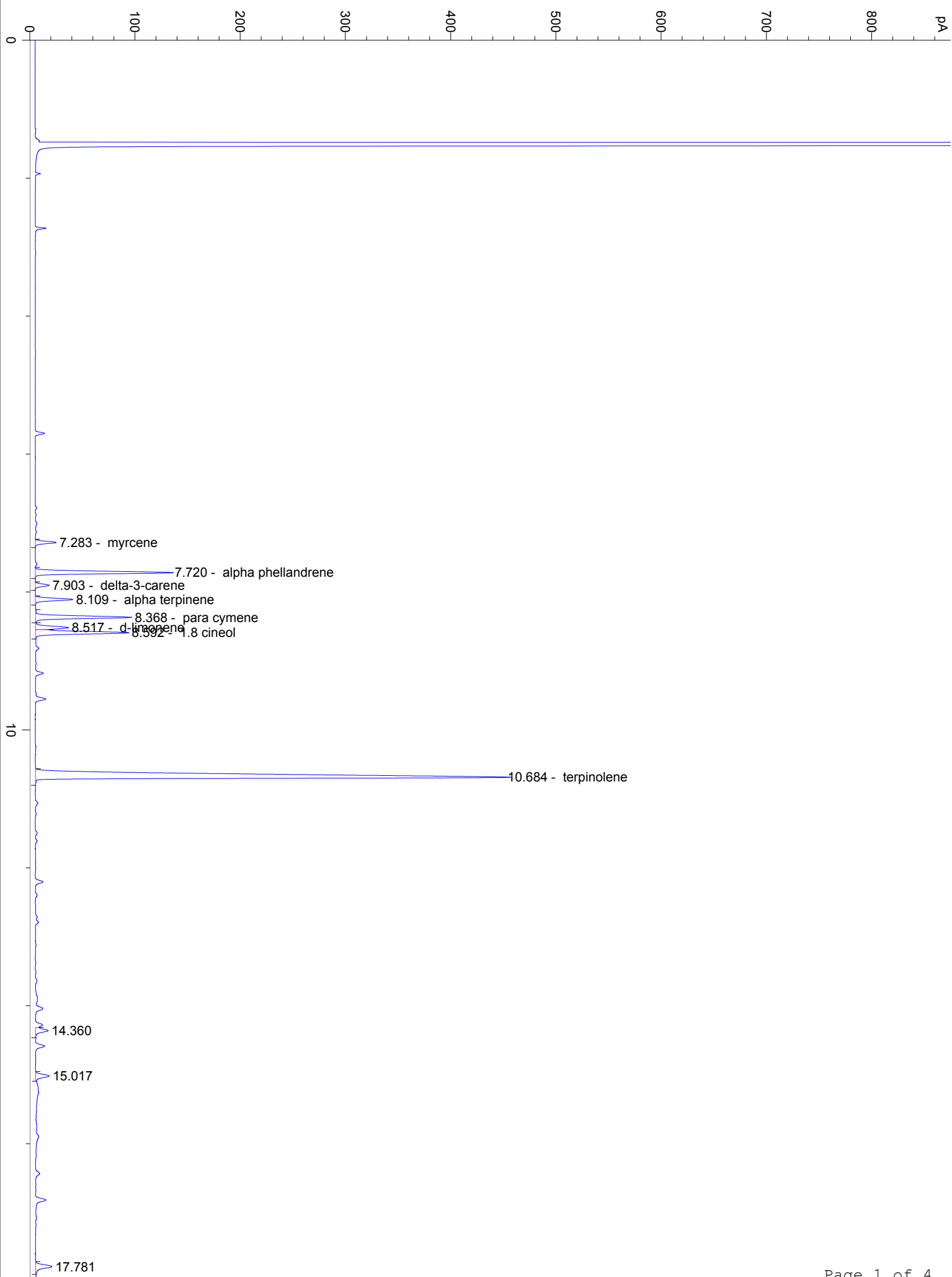
#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
1	myrcene	7.28	100.00	47.38	19.65	47.38	0.14
2	alpha phellandrene	7.72	100.00	327.38	128.98	327.38	0.98
3	delta-3-carene	7.90	0.00	32.54	13.04	32.54	0.10
4	alpha terpinene	8.11	0.00	90.48	35.37	90.48	0.27
5	para cymene	8.37	100.00	239.55	90.83	239.55	0.72
6	d-limonene	8.52	100.00	87.15	31.17	87.15	0.26
7	1.8 cineol	8.59	100.00	237.78	88.03	237.78	0.71
8	cis-beta ocimene	0.00	0.00	0.00	0.00	0.00	0.00
9	trans beta ocimene	0.00	0.00	0.00	0.00	0.00	0.00
10	gamma terpinene	0.00	0.00	0.00	0.00	0.00	0.00
11	terpinolene	10.68	100.00	1669.48	445.35	1669.48	5.01
12	linalool	0.00	0.00	0.00	0.00	0.00	0.00
13	camphor	0.00	0.00	0.00	0.00	0.00	0.00
14		14.36	0.00	40.68	11.83	40.68	0.12
15	alpha terpineol	0.00	0.00	0.00	0.00	0.00	0.00
16		15.02	0.00	43.79	12.90	43.79	0.13
17		17.78	0.00	59.87	15.56	59.87	0.18
18	bornyl acetate	0.00	0.00	0.00	0.00	0.00	0.00
19		19.17	0.00	55.28	14.31	55.28	0.17
20		21.80	0.00	123.10	33.97	123.10	0.37
21		22.11	0.00	238.33	54.04	238.33	0.72
22		22.99	0.00	219.84	42.28	219.84	0.66
23	beta caryophyllene	23.64	100.00	400.14	107.35	400.14	1.20
24		23.90	0.00	64.04	12.38	64.04	0.19
25		24.30	0.00	54.86	13.95	54.86	0.16
26	alpha humulene	24.66	100.00	788.11	171.63	788.11	2.37
27		24.87	100.00	46.24	12.85	46.24	0.14
28		24.93	100.00	57.03	15.36	57.03	0.17
29		25.07	100.00	51.13	13.22	51.13	0.15
30	trans-beta farnesene	25.22	100.00	267.84	55.62	267.84	0.80
31		25.34	100.00	69.08	19.02	69.08	0.21
32		25.41	100.00	53.54	14.30	53.54	0.16
33		25.72	100.00	73.83	13.11	73.83	0.22
34	gamma curcurnene	26.01	100.00	552.09	119.84	552.09	1.66
35	ar-curcurnene	26.21	100.00	2531.90	431.57	2531.90	7.60
36		26.30	100.00	212.05	51.73	212.05	0.64
37	alpha zingiberene	26.69	100.00	2240.46	410.73	2240.46	6.72

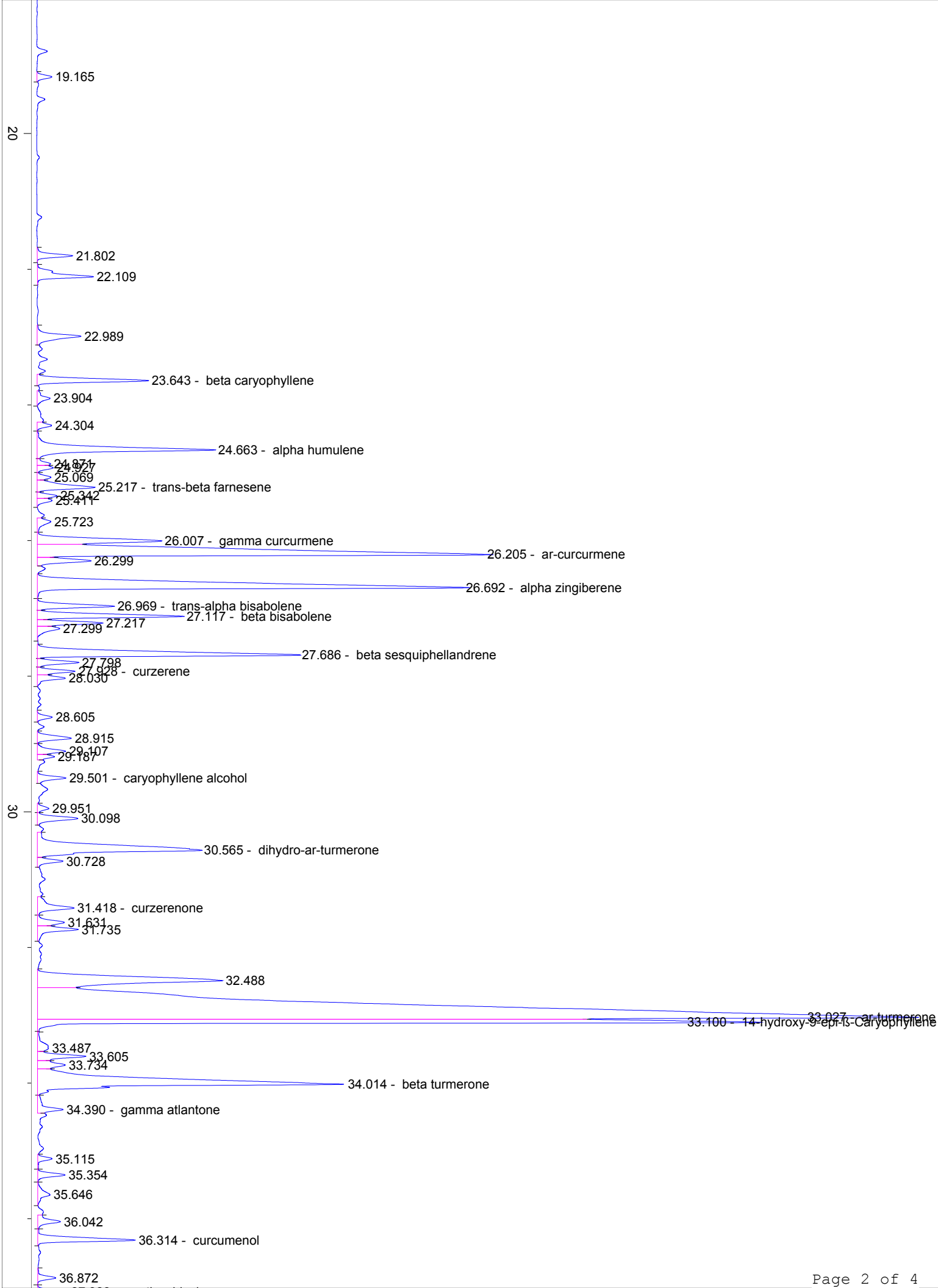
4951-KKADT

Instrument 6890

C:\HPCHEM\2\DATA\2017\
49510000.DTurmeric (Organic)
4951-KKADT
India
curcuma longa
Sample/CH2CL2: 0.12g/0.42g
Injection: 0.2uLHP-5 5% Phenyl Methyl Siloxane
30.000m
250.000um
0.250um2/22/2017 10:48:27 AM
2/22/2017 10:48:27 AM5/30/2017
4:31:52 PM

#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
38	trans-alpha bisabolene	26.97	100.00	272.31	74.22	272.31	0.82
39	beta bisabolene	27.12	100.00	511.41	140.91	511.41	1.53
40		27.22	100.00	219.15	63.26	219.15	0.66
41		27.30	100.00	101.32	21.59	101.32	0.30
42	beta sesquiphellandrene	27.69	100.00	1121.96	252.43	1121.96	3.37
43		27.80	100.00	145.75	39.91	145.75	0.44
44	curzerene	27.93	100.00	131.38	36.37	131.38	0.39
45		28.03	100.00	109.24	26.96	109.24	0.33
46		28.61	100.00	52.61	14.26	52.61	0.16
47		28.91	100.00	141.46	32.76	141.46	0.42
48		29.11	100.00	115.28	27.33	115.28	0.35
49		29.19	100.00	55.45	16.42	55.45	0.17
50	caryophyllene alcohol	29.50	100.00	109.61	27.46	109.61	0.33
51		29.95	100.00	45.22	11.08	45.22	0.14
52		30.10	100.00	171.58	38.81	171.58	0.51
53	dihydro-ar-turmerone	30.56	100.00	1087.69	157.62	1087.69	3.26
54		30.73	100.00	95.52	24.51	95.52	0.29
55	curzerenone	31.42	100.00	196.10	35.11	196.10	0.59
56		31.63	100.00	118.81	25.86	118.81	0.36
57		31.73	100.00	175.98	39.32	175.98	0.53
58		32.49	100.00	1250.28	178.39	1250.28	3.75
59	ar-turmerone	33.03	100.00	10346.90	853.83	10346.90	31.05
60	14-hydroxy-9-epi-β-Caryophy	33.10	100.00	2284.25	706.58	2284.25	6.86
61		33.49	100.00	88.85	10.44	88.85	0.27
62		33.61	100.00	190.92	46.59	190.92	0.57
63		33.73	100.00	131.47	26.70	131.47	0.39
64	beta turmerone	34.01	100.00	1963.87	296.39	1963.87	5.89
65	gamma atlantone	34.39	100.00	124.55	24.47	124.55	0.37
66		35.11	100.00	54.71	13.82	54.71	0.16
67		35.35	100.00	103.89	26.45	103.89	0.31
68		35.65	100.00	84.15	11.90	84.15	0.25
69		36.04	100.00	105.86	21.92	105.86	0.32
70	curcumenol	36.31	100.00	367.81	94.03	367.81	1.10
71		36.87	100.00	66.45	17.37	66.45	0.20
72	xanthorrhizol	37.08	100.00	134.19	28.78	134.19	0.40
73	alpha turmerone	39.68	100.00	70.47	15.57	70.47	0.21





37.080 - xanthorrhizol

39.679 - alpha turmerone

40

50

60

70

min