

Fig. 1 GC Profiles of Hexane ext., CHCl<sub>3</sub> ext., AcOEt ext., and Acetone ext. from Cigarette (continue)

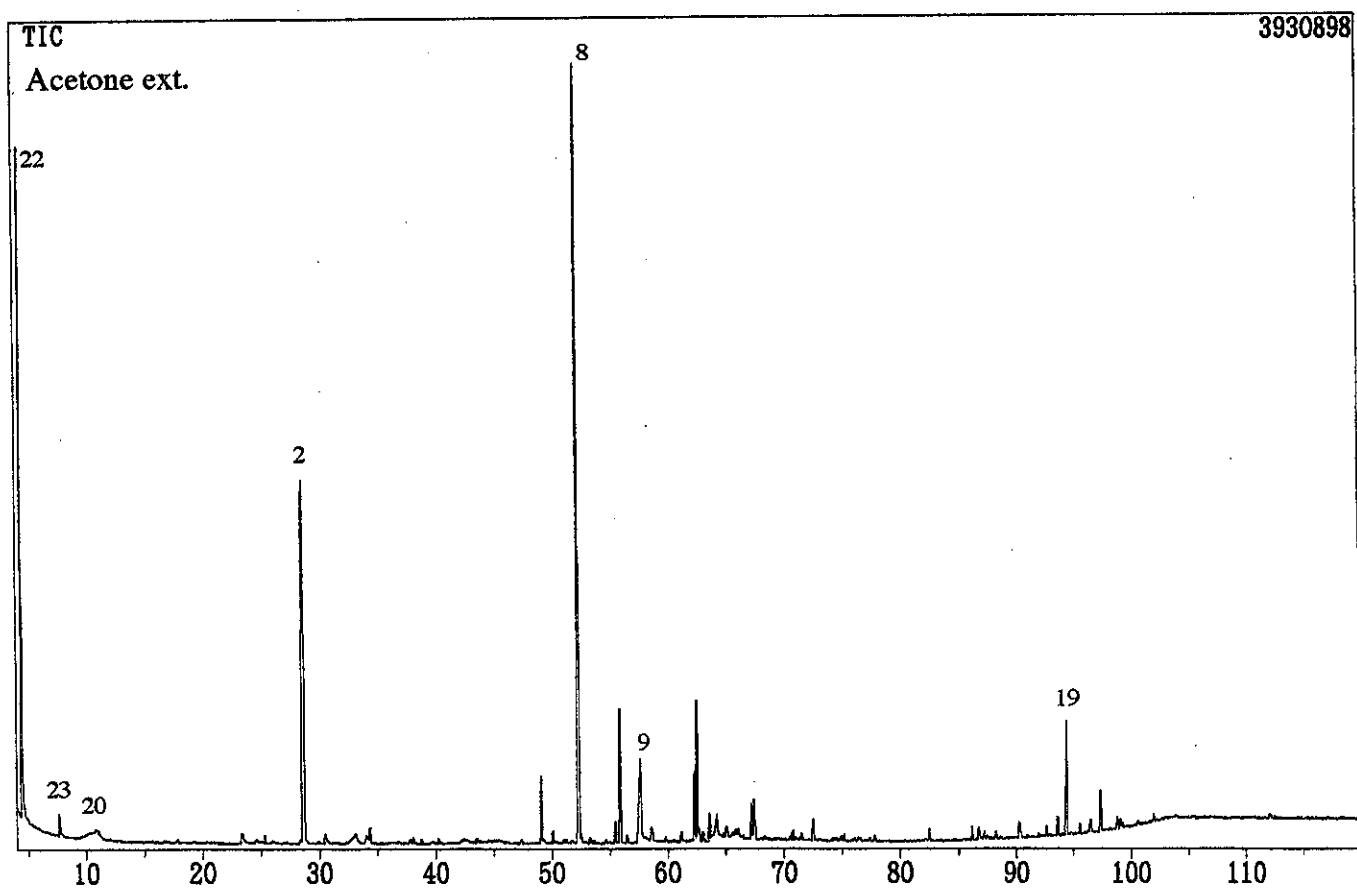
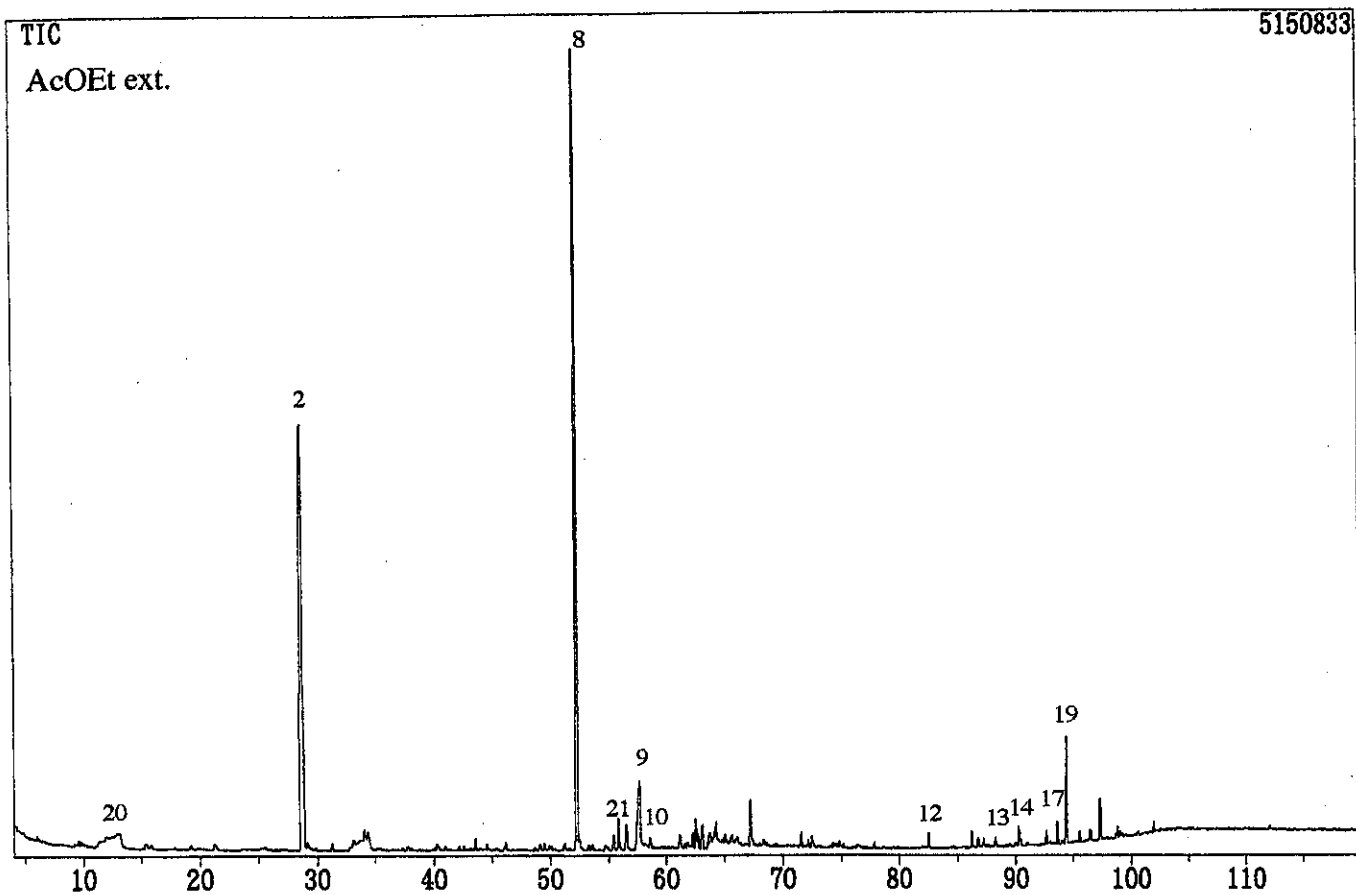


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Table 1 Identified Constituents in Cigarette.

Peak	Molecular formula	Identification
1	C <sub>10</sub> H <sub>10</sub> O	isomenthol
2	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	nicotine
3	C <sub>9</sub> H <sub>14</sub> O <sub>6</sub>	triacetin
4	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	vanillin
5	C <sub>10</sub> H <sub>10</sub> N <sub>2</sub> O	nicotin N'-oxide
6	C <sub>13</sub> H <sub>20</sub> O <sub>2</sub>	4-(3'-hydroxy-1'-butenyl)-3,5,5-trimethyl-2-cyclohexen-1-one
7	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> O	cotinine
8	C <sub>20</sub> H <sub>38</sub>	neophytadiene
9	C <sub>16</sub> H <sub>32</sub> O <sub>2</sub>	palmitic acid
10	C <sub>18</sub> H <sub>36</sub> O <sub>2</sub>	hexadecanoic acid ethyl ester
11	C <sub>20</sub> H <sub>40</sub> O <sub>2</sub>	octadecanoic acid ethyl ester
12	C <sub>27</sub> H <sub>56</sub>	heptacosane
13	C <sub>29</sub> H <sub>60</sub>	nonacosane
14	C <sub>30</sub> H <sub>62</sub>	an isomer of triacontane
15	C <sub>30</sub> H <sub>62</sub>	triacontane
16	C <sub>31</sub> H <sub>64</sub>	an isomer of hentricosane
17	C <sub>31</sub> H <sub>64</sub>	hentricosane
18	C <sub>10</sub> H <sub>8</sub> O <sub>4</sub>	scopoletin
19	C <sub>29</sub> H <sub>50</sub> O <sub>2</sub>	vitamin E
20	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	glycerol
21	C <sub>17</sub> H <sub>34</sub> O <sub>2</sub>	hexadecanoic acid methyl ester
22	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	tyranton
23	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	isopropylidene glycol