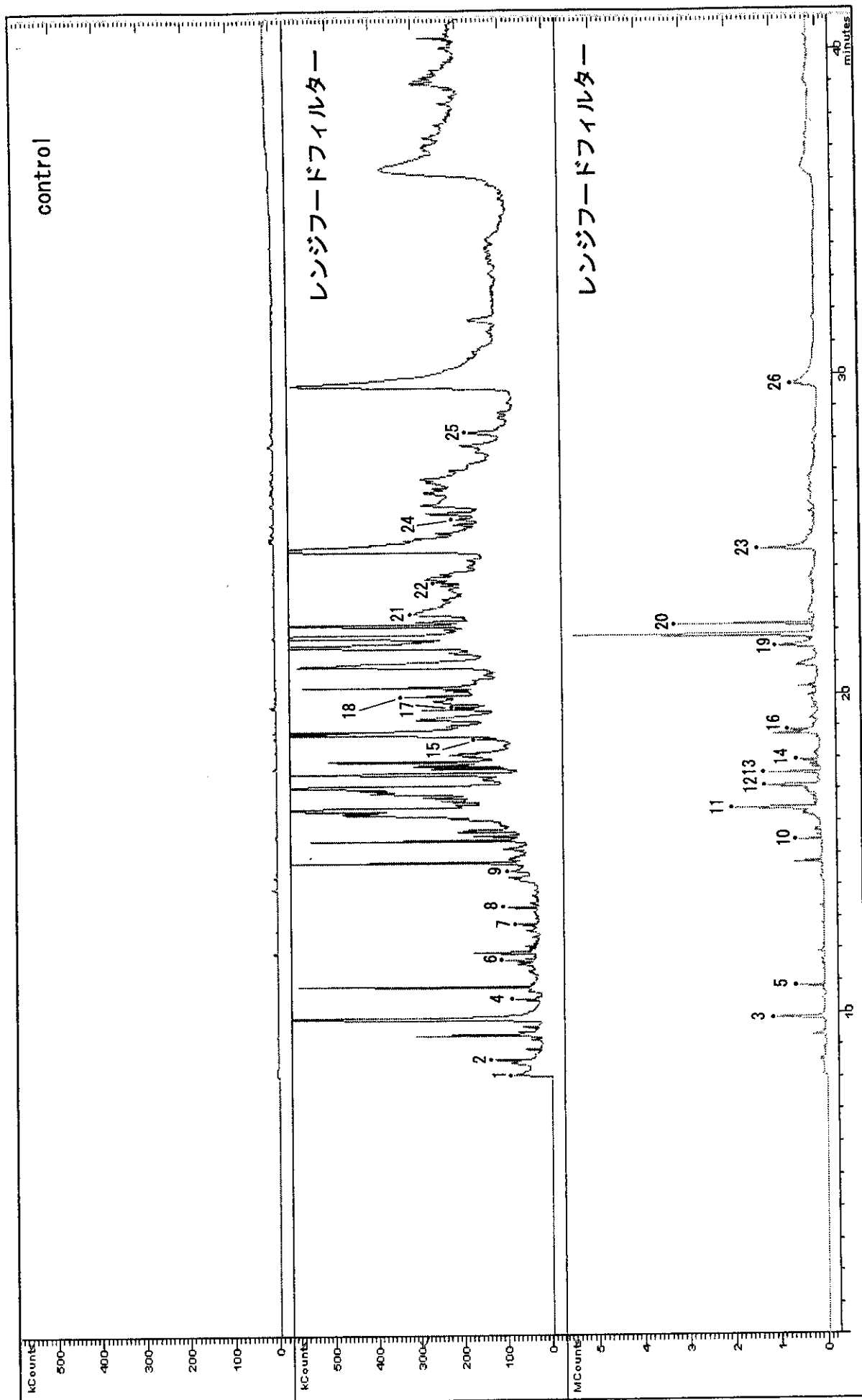


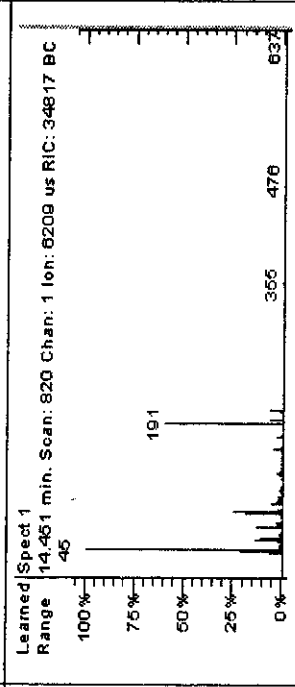
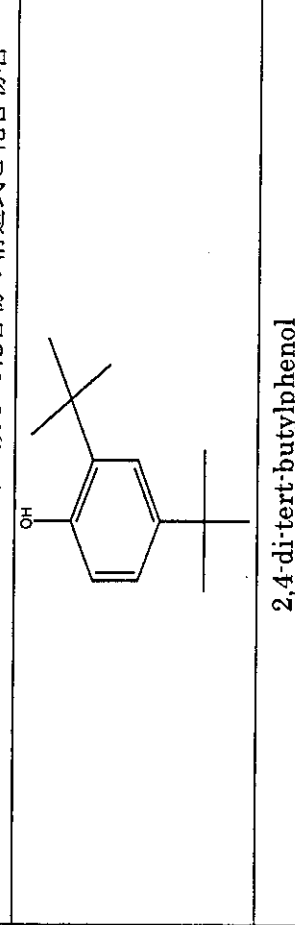
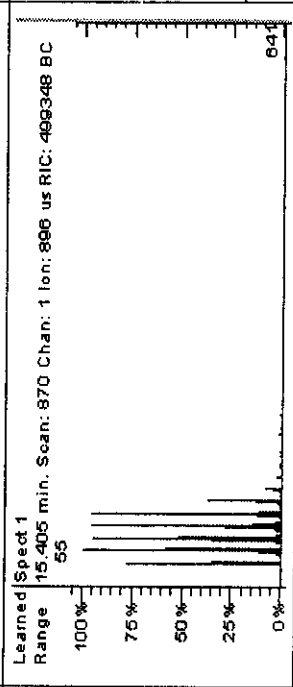
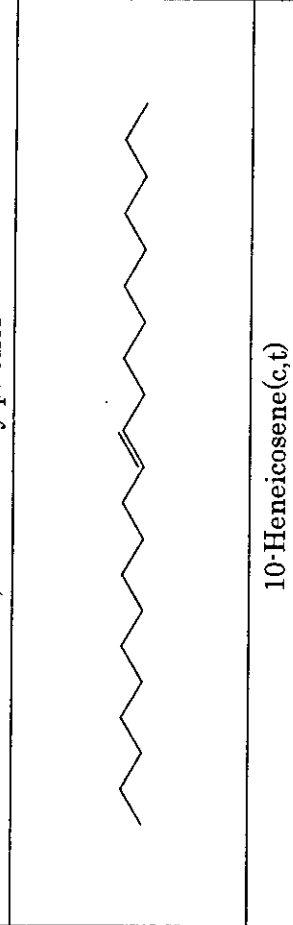
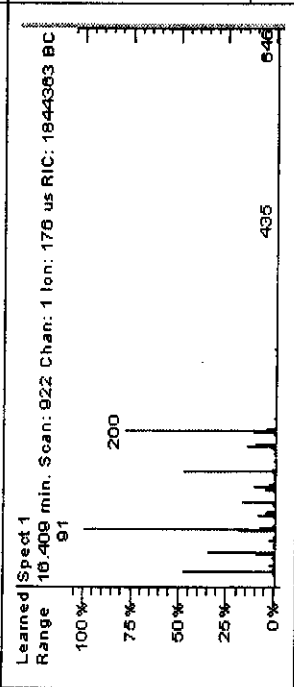
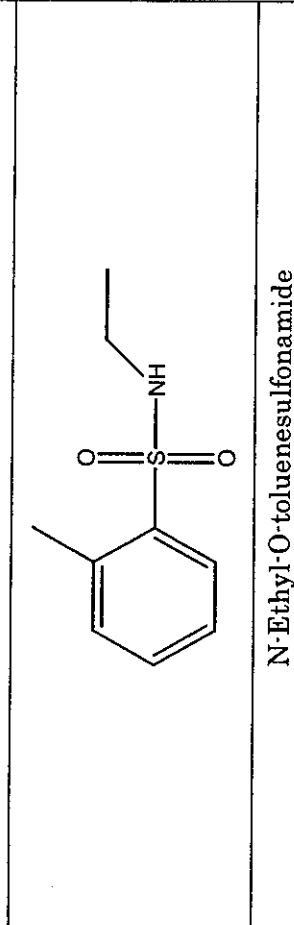
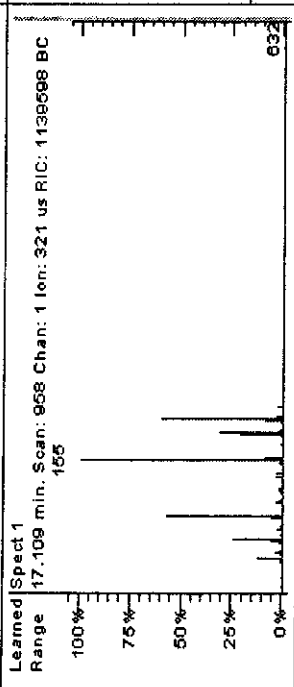
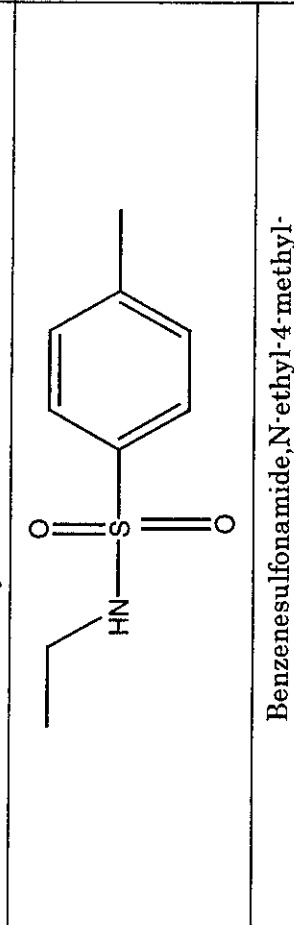


レンジフードフィルター (Sample No. 4) のトータルイオンクロマトグラム (上段はコントロールのクロマトグラム)

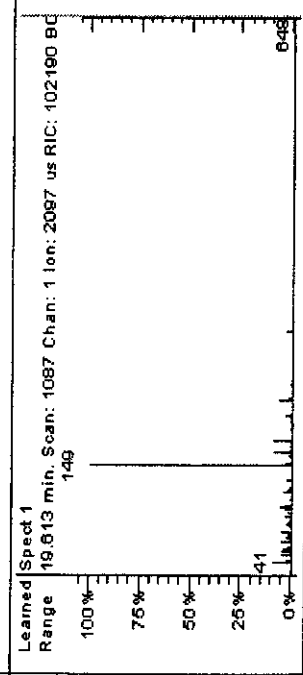
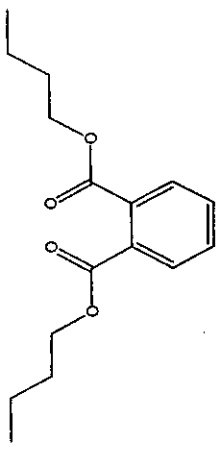
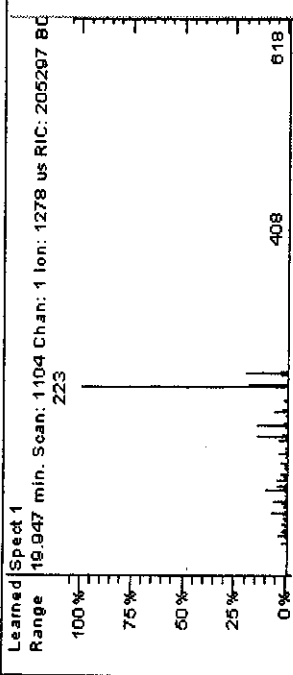
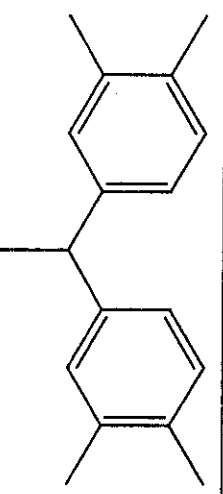
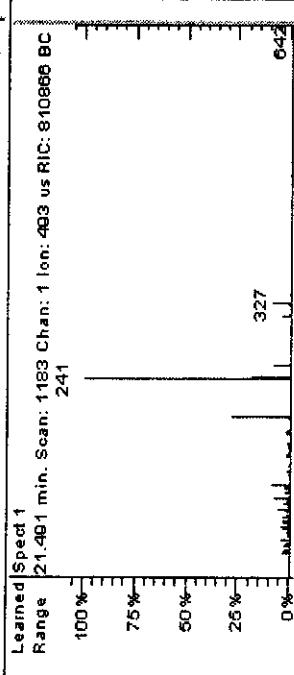
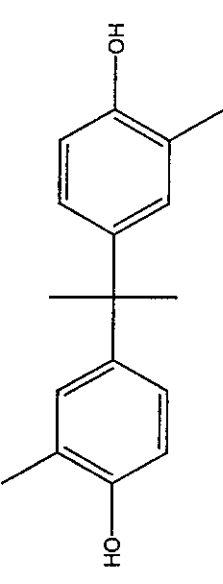
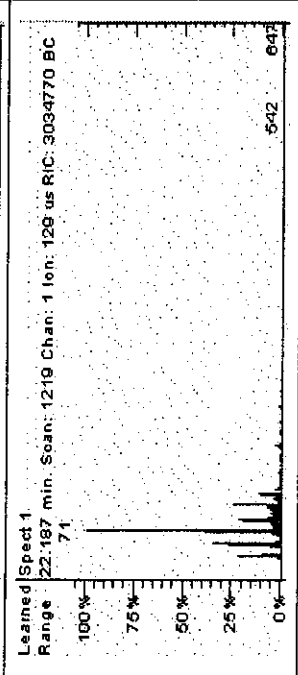
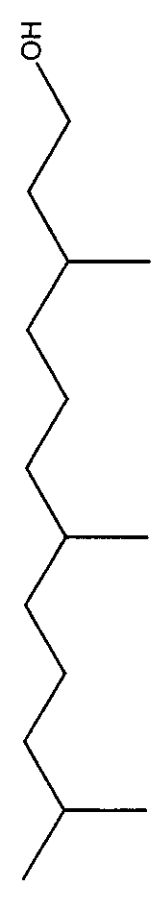
熱湯抽出したレンジフードフィルター(Sample No.4)から検出された有機化学物質のマススペクトルと構造式

Peak No.	マススペクトル	フラグメーションパターンがよく一致した化合物の構造式と化合物名	prb
1	Learned Spect 1 Range 8.075 min. Scan: 485 Chan: 1 Ion: 4759 us RIC: 38978 BC	4-Oxo-4-p-tolylbutyric acid	38.87
2	Learned Spect 1 Range 8.554 min. Scan: 510 Chan: 1 Ion: 3879 us RIC: 88153 BC	Silane, trimethyl(octyloxy)-	56.03
3	Learned Spect 1 Range 9.825 min. Scan: 577 Chan: 1 Ion: 405 us RIC: 1045357 BC	Triethylene glycol monobutyl ether	28.76
4	Learned Spect 1 Range 10.415 min. Scan: 608 Chan: 1 Ion: 5448 us RIC: 57148 BC	2-Propenoic acid, 6-methylheptyl ester	19.40

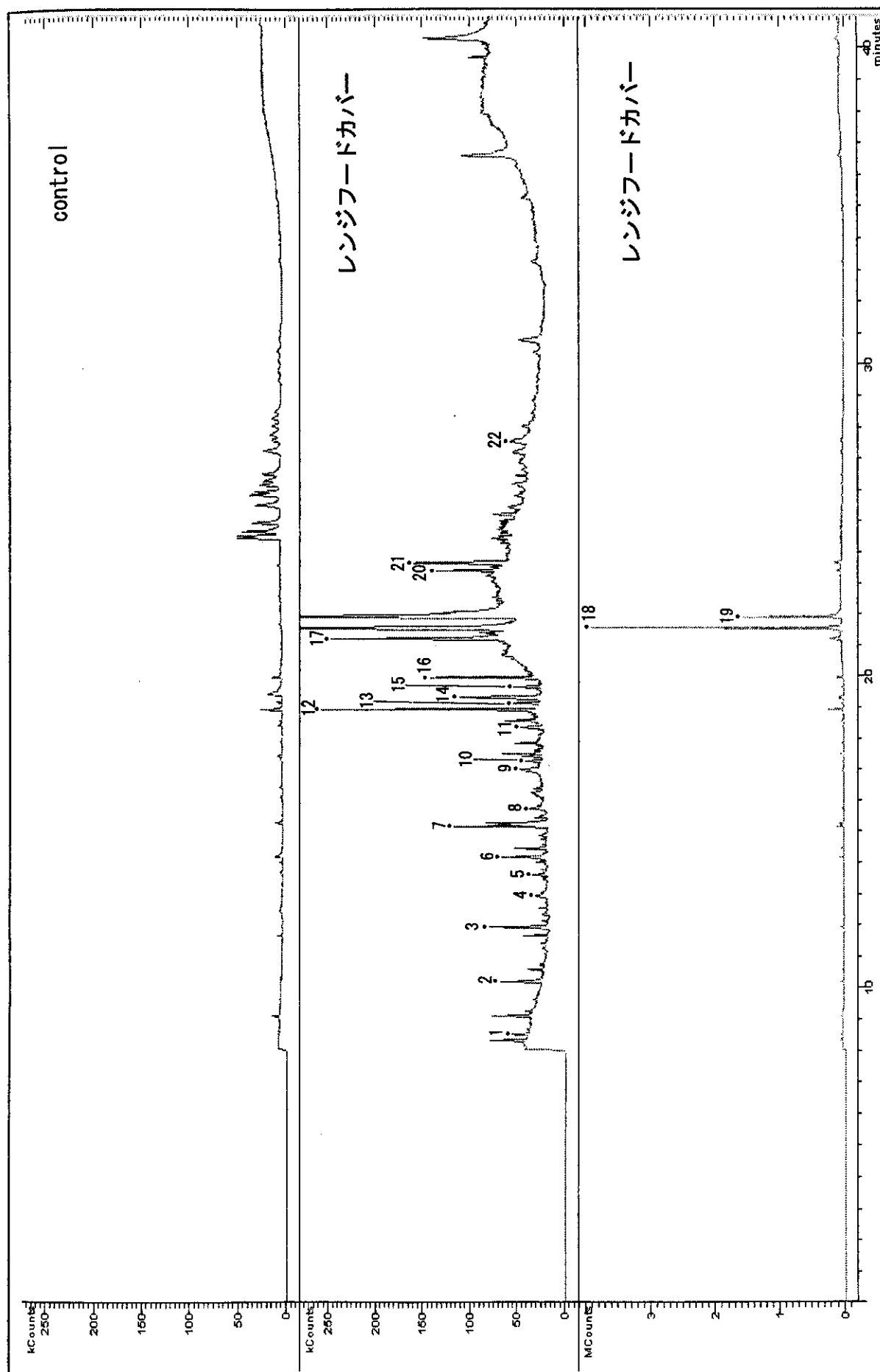
No.	マススペクトル	フラグメンテーションがよく一致した化合物の構造式と化合物名	prb
5	Learned Spect 1 Range 10.815 min. Scan: 629 Chan: 1 Ion: 830 us RIC: 543225 BC	Silane, [1,4-dioxane-2,3-diol]bis(trimethyl)-, cis-	31.69
6	Learned Spect 1 Range 11.638 min. Scan: 672 Chan: 1 Ion: 6054 us RIC: 66654 BC	1,4,7,10,13,16-Hexaoxacyclooctadecane	67.45
7	Learned Spect 1 Range 12.570 min. Scan: 721 Chan: 1 Ion: 8335 us RIC: 25201 BC	Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester	47.95
8	Learned Spect 1 Range 13.306 min. Scan: 760 Chan: 1 Ion: 4942 us RIC: 68817 BC	Edulan II	6.59

No.	マススペクトル	フラグメンテーションがよく一致した化合物の構造式と化合物名	prb
9	Learned Spect 1 Range 14.451 min. Scan: 820 Chan: 1 Ion: 6209 us RIC: 34817 BC 	 2,4-di-tert-butylphenol	19.40
10	Learned Spect 1 Range 15.405 min. Scan: 870 Chan: 1 Ion: 896 us RIC: 493348 BC 	 10-Heneicosene(c,t)	15.63
11	Learned Spect 1 Range 16.409 min. Scan: 922 Chan: 1 Ion: 176 us RIC: 1844363 BC 	 N-Ethyl-O-toluenesulfonamide	23.40
12	Learned Spect 1 Range 17.109 min. Scan: 958 Chan: 1 Ion: 321 us RIC: 1136598 BC 	 Benzenesulfonamide, N-ethyl-4-methyl-	39.11

No.	マススペクトル	フラグメンテーションがよく一致した化合物の構造式と化合物名	prb
13	Learned Spect 1 Range 17.518 min. Scan: 979 Chan: 1 Ion: 363 us RIC: 1153893 BC	 3,5-Diethoxycarbonyl-2,6-dimethylpyridine	90.07
14	Learned Spect 1 Range 17.904 min. Scan: 999 Chan: 1 Ion: 1158 us RIC: 418930 BC	 2-Methoxy-4-methyl-10H-acridin-9-one	24.25
15	Learned Spect 1 Range 18.616 min. Scan: 1036 Chan: 1 Ion: 2624 us RIC: 71259 BC	 Diisobutyl Phthalate	12.60
16	Learned Spect 1 Range 18.828 min. Scan: 1047 Chan: 1 Ion: 741 us RIC: 825334 BC	 Borazine, 2,4,6-triphenyl-1,3,5-tripropyl-	28.57

No.	マススペクトル	フラグメンテーションがよく一致した化合物の構造式と化合物名	prb
17	Learned Spect 1 Range 19.613 min. Scan: 1087 Chan: 1 Ion: 2097 us RIC: 102160 BC 	 Dibutyl phthalate	21.30
18	Learned Spect 1 Range 19.947 min. Scan: 1104 Chan: 1 Ion: 1278 us RIC: 205297 BC 	 Benzene, 1,1'-ethyldienebis[3,4-dimethyl]-	21.81
19	Learned Spect 1 Range 21.491 min. Scan: 1183 Chan: 1 Ion: 493 us RIC: 810865 BC 	 Phenol, 4,4'-(1-methylethyldiene)bis[2-methyl-phenol]	58.83
20	Learned Spect 1 Range 22.187 min. Scan: 1219 Chan: 1 Ion: 129 us RIC: 3034770 BC 	 1-Dodecanol, 3,7,11-trimethyl-	38.87

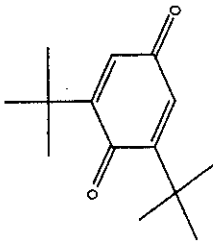
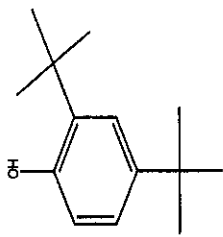
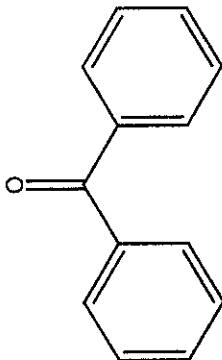
No.	マススペクトル	フラグメーションパターンがよく一致した化合物の構造式と化合物名	prb
21	Learned Spect 1 Range 22.560 min. Scan: 1238 Chan: 1 Ion: 1706 us RIC: 117540 BC	Ethanol, 2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]-	82.75
22	Learned Spect 1 Range 23.546 min. Scan: 1288 Chan: 1 Ion: 1918 us RIC: 75601 BC	Oleamide	44.29
23	Learned Spect 1 Range 24.546 min. Scan: 1339 Chan: 1 Ion: 393 us RIC: 1169699 BC	2,2-Bis(4-hydroxyphenyl)propane monotrimethylsilyl ether	24.25
24	Learned Spect 1 Range 25.522 min. Scan: 1389 Chan: 1 Ion: 2475 us RIC: 63099 BC	6H-Dibenzo(b,d)pyran-1-ol, 3-hexyl-7,8,9,10-tetrahydro-6,6,9-trimethyl-	38.87

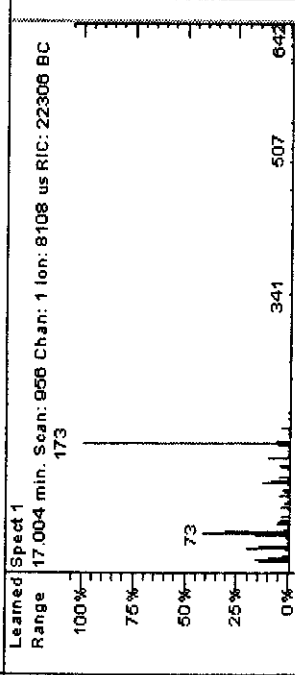
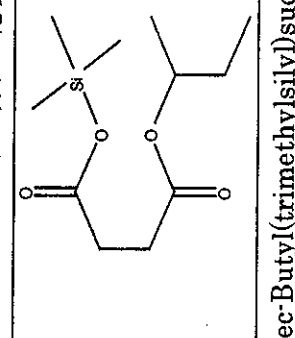
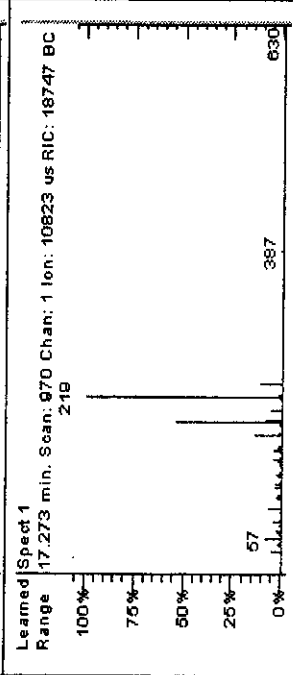
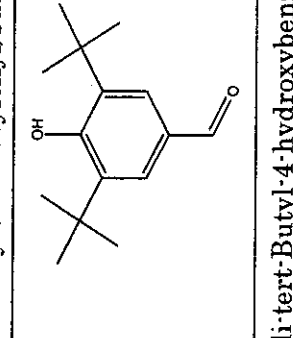
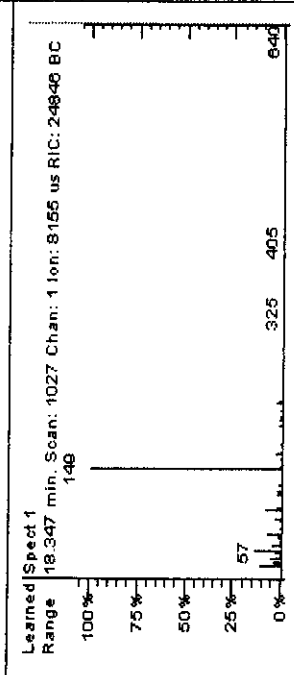
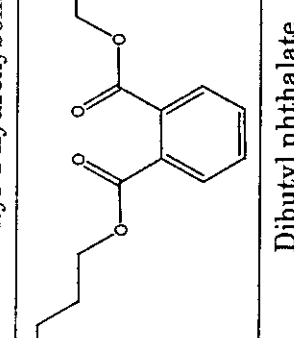
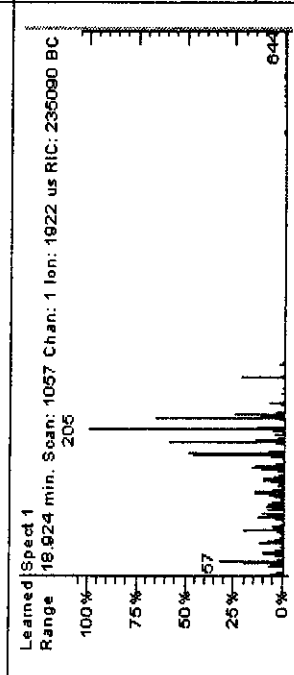
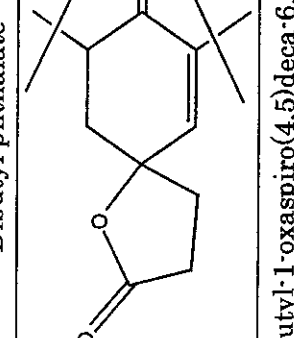


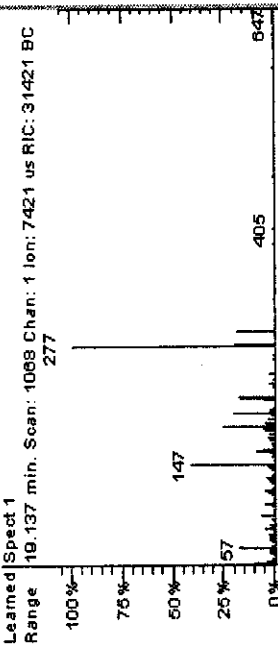
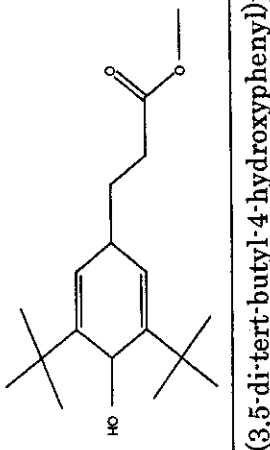
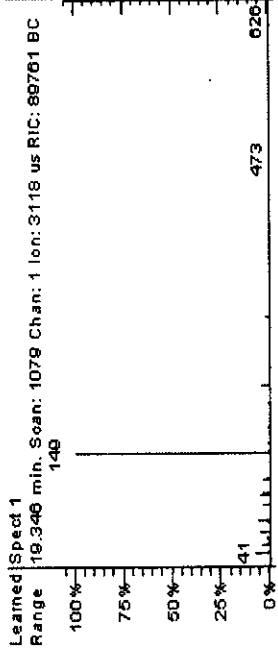
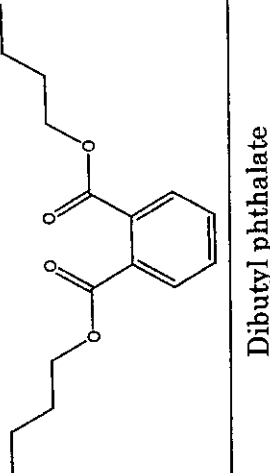
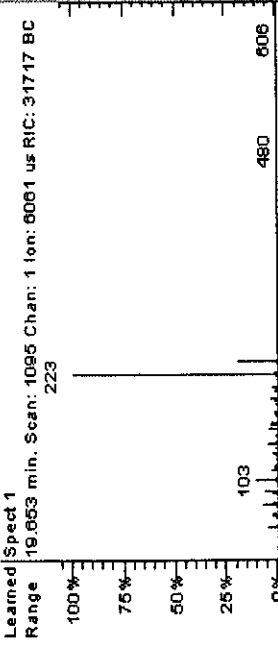
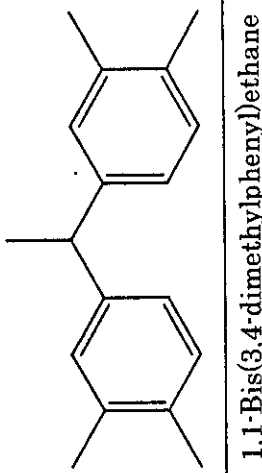
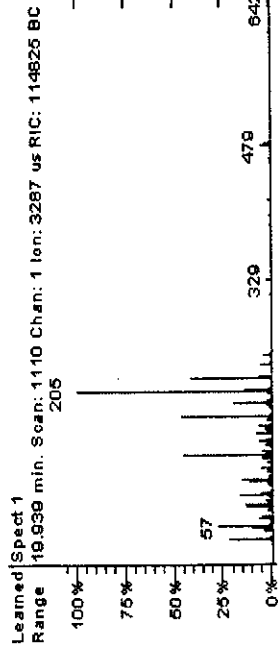
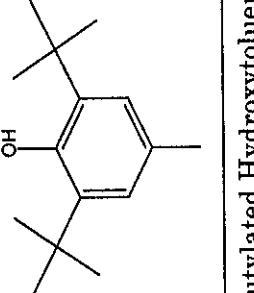
レンジフードカバー (Sample No. 5) のトータルイオンクロマトグラム (上段はコントロールのクロマトグラム)

熱湯抽出したレンジフードカバー (Sample No.5) から検出された有機化学物質のマススペクトルと構造式

Peak No.	マススペクトル	フラグメンテーションがよく一致した化合物の構造式と化合物名	prb
1	Learned Spect 1 Range 8.503 min. Scan: 507 Chan: 1 Ion: 6579 us RIC: 18925 BC	 <chem>CC1=CC(=O)CCC1</chem>	33.36
2	Learned Spect 1 Range 10.200 min. Scan: 595 Chan: 1 Ion: 5620 us RIC: 44619 BC	 <chem>CCCCC(C)C(=O)OCC</chem>	19.40
3	Learned Spect 1 Range 11.912 min. Scan: 686 Chan: 1 Ion: 7797 us RIC: 62675 BC	 <chem>CC(=O)OCCOC(=O)C</chem>	50.83
4	Learned Spect 1 Range 12.917 min. Scan: 739 Chan: 1 Ion: 11784 us RIC: 12929 BC	 <chem>OS(=O)(=O)C12CCC3C(C1)C(=O)CC4C3C(C2)C4</chem>	15.63

No.	マススペクトル	フラグメンテーションがよく一致した化合物の構造式と化合物名	prb
5	Learned Spect 1 Range 13.610 min. Scan: 776 Chan: 1 Ion: 10808 us RIC: 16172 BC	 2,5-Cyclohexadiene-1,4-dione, 2,6-bis(1,1-dimethylethyl)-	54.64
6	Learned Spect 1 Range 14.175 min. Scan: 806 Chan: 1 Ion: 8310 us RIC: 49962 BC	 Phenol, 2,4-bis(1,1-dimethylethyl)-	26.72
7	Learned Spect 1 Range 15.149 min. Scan: 858 Chan: 1 Ion: 3748 us RIC: 101380 BC	 7-Tetradecene	19.40
8	Learned Spect 1 Range 15.717 min. Scan: 888 Chan: 1 Ion: 7329 us RIC: 18208 BC	 Benzophenone	71.04

No.	マススペクトル	フラグメンテーションがよく一致した化合物の構造式と化合物名	prb
9	Learned Spect 1 Range 17.004 min. Scan: 956 Chan: 1 Ion: 8108 us RIC: 22306 BC 	 sec-Butyl(trimethylsilyl)succinate	68.55
10	Learned Spect 1 Range 17.273 min. Scan: 970 Chan: 1 Ion: 10823 us RIC: 18747 BC 	 3,5-di-tert-Butyl-4-hydroxybenzaldehyde	77.11
11	Learned Spect 1 Range 18.347 min. Scan: 1027 Chan: 1 Ion: 8155 us RIC: 24846 BC 	 Dibutyl phthalate	22.48
12	Learned Spect 1 Range 18.924 min. Scan: 1057 Chan: 1 Ion: 1922 us RIC: 235090 BC 	 7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2,8-dione	49.13

No.	マススペクトル	フラグメーションパターンがよく一致した化合物の構造式と化合物名	prb
13	Learned Spect 1 Range 10.137 min. Scan: 1068 Chan: 1 Ion: 7421 us RIC: 31421 BC 	 Methyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	92.30
14	Learned Spect 1 Range 19.346 min. Scan: 1079 Chan: 1 Ion: 3118 us RIC: 89761 BC 	 Dibutyl phthalate	52.78
15	Learned Spect 1 Range 19.653 min. Scan: 1095 Chan: 1 Ion: 6061 us RIC: 31717 BC 	 1,1-Bis(3,5-dimethylphenyl)ethane	23.07
16	Learned Spect 1 Range 19.939 min. Scan: 1110 Chan: 1 Ion: 3287 us RIC: 114825 BC 	 Butylated Hydroxytoluene	10.15

No.	マススペクトル	フラグメンテーションがよく一致した化合物の構造式と化合物名	prb
17	Learned Spect 1 Range 21.189 min. Scan: 1176 Chan: 1 Ion: 1729 us RIC: 207181 BC	 Bis(2-ethylhexyl)maleate	47.50
18	Learned Spect 1 Range 21.565 min. Scan: 1195 Chan: 1 Ion: 84 us RIC: 388604 BC	 Malonic acid,2-hydroxyethyl ester,methyl ester	12.60
19	Learned Spect 1 Range 21.906 min. Scan: 1213 Chan: 1 Ion: 283 us RIC: 152969 BC	 1-Dodecanol,3,7,11-trimethyl-	19.40
20	Learned Spect 1 Range 23.399 min. Scan: 1282 Chan: 1 Ion: 3336 us RIC: 75440 BC	 Butyl Stearate	38.99

No.	マススペクトル	フラグメーションパターンがよく一致した化合物の構造式と化合物名	prb
21	Learned Spect 1 Range 23.647 min. Scan: 1305 Chan: 1 Ion: 2068 us RIC: 101614 BC	 1-Dodecanol, 3,7,11-trimethyl-	19.40
22	Learned Spect 1 Range 27.552 min. Scan: 1509 Chan: 1 Ion: 7131 us RIC: 10020 BC	 Cyclohexane, 1,3,5-trimethyl-2-octadecyl-	60.09

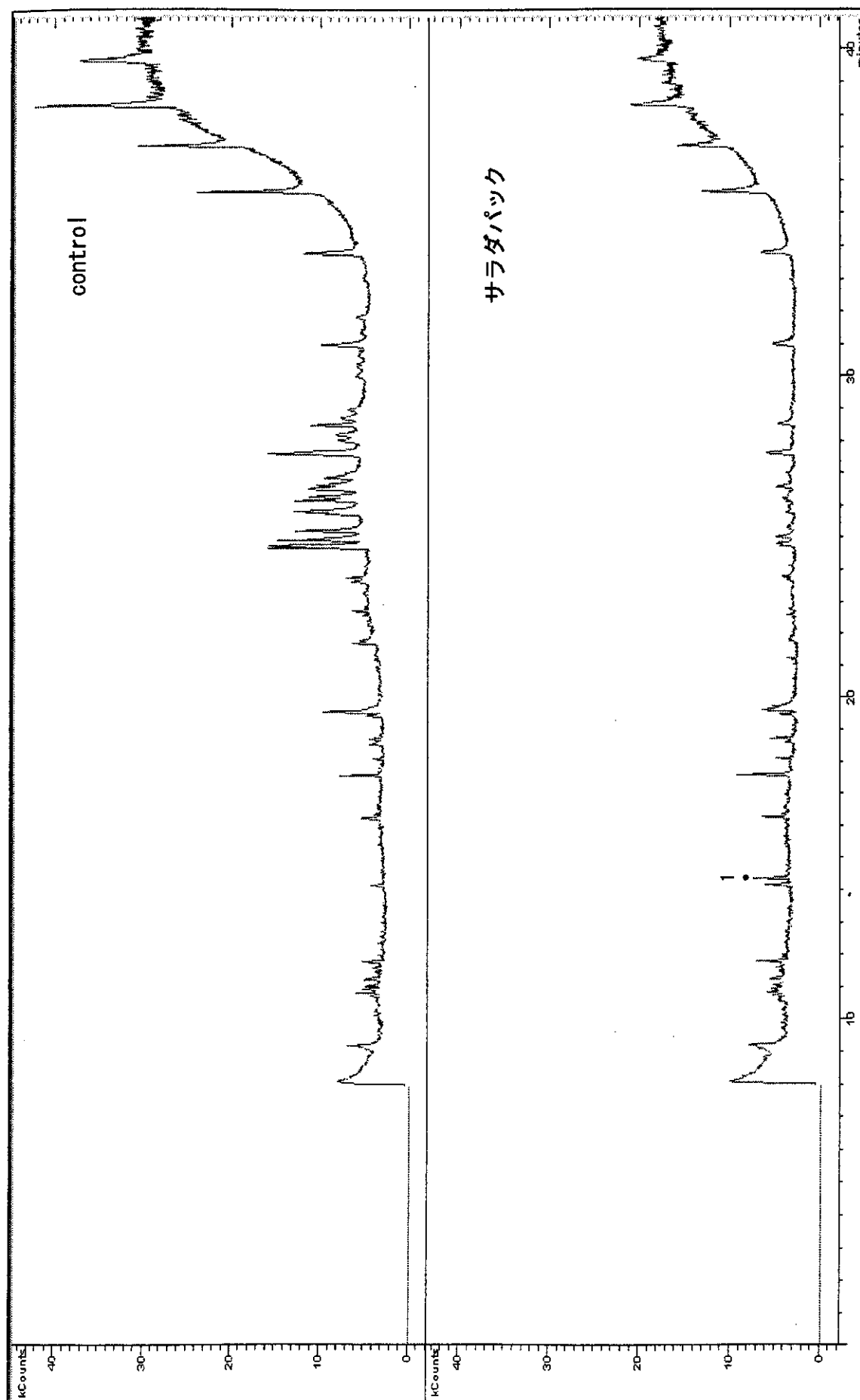
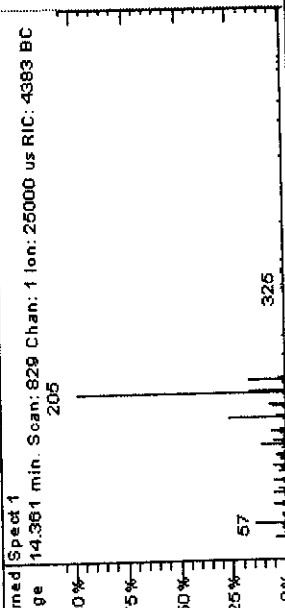
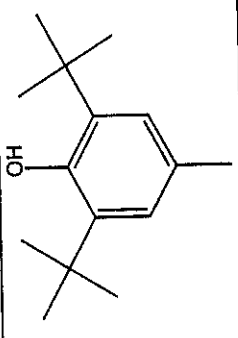


Fig. 3-6. サラダパック (Sample No. 6) のトータルイオンクロマトグラム(上段はコントロールのクロマトグラム)

熱湯抽出したサラダパック(Sample No.6)から検出された有機化学物質のマススペクトルと構造式

Peak No.	マススペクトル	フラグメンテーションがよく一致した化合物の構造式と化合物名	prb
1	Learned Spect 1 Range 14.361 min. Scan: 829 Chan: 1 Ion: 25000 us RIC: 4383 BC 	 Butylated Hydroxytoluene	64.94

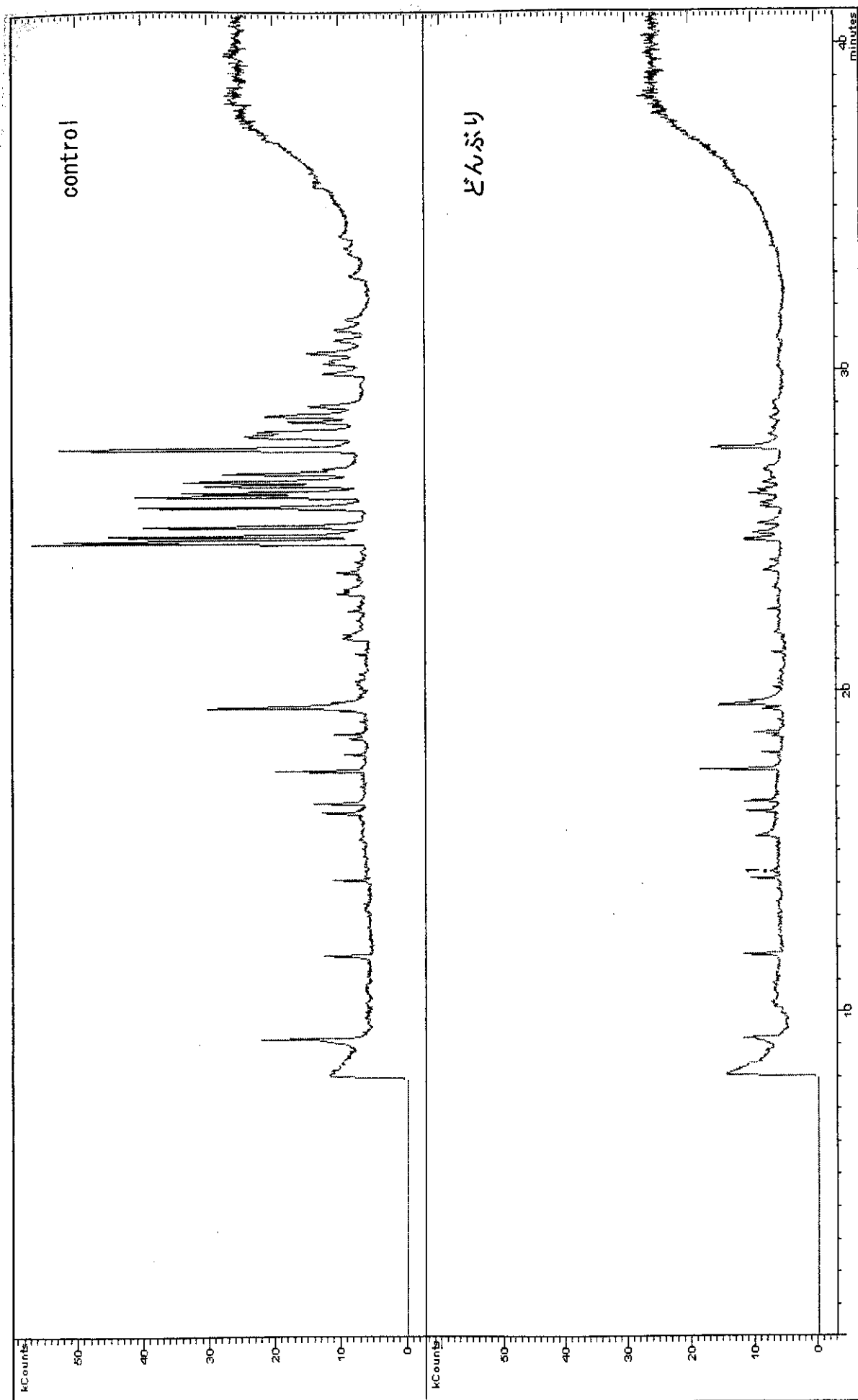
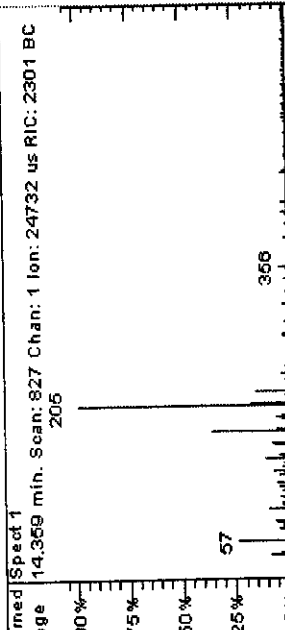
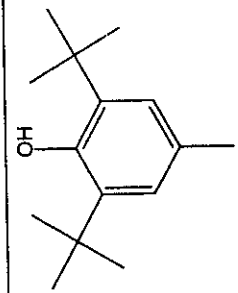


Fig. 3-7. どんぶり (Sample No. 7) のトータルイオンクロマトグラム (上段はコントロールのトータルイオンクロマトグラム)

Table.3-8. 熱湯抽出したどんぶり(Sample No.7)から検出された有機化学物質のマススペクトルと構造式

Peak No.	マススペクトル	フラグメンテーションがよく一致した化合物の構造式と化合物名	prb
1	Leamed Spect 1 Range 14.359 min. Scan: 827 Chan: 1 Ion: 24732 us RIC: 2301 BC 	 Butylated Hydroxytoluene	22.29

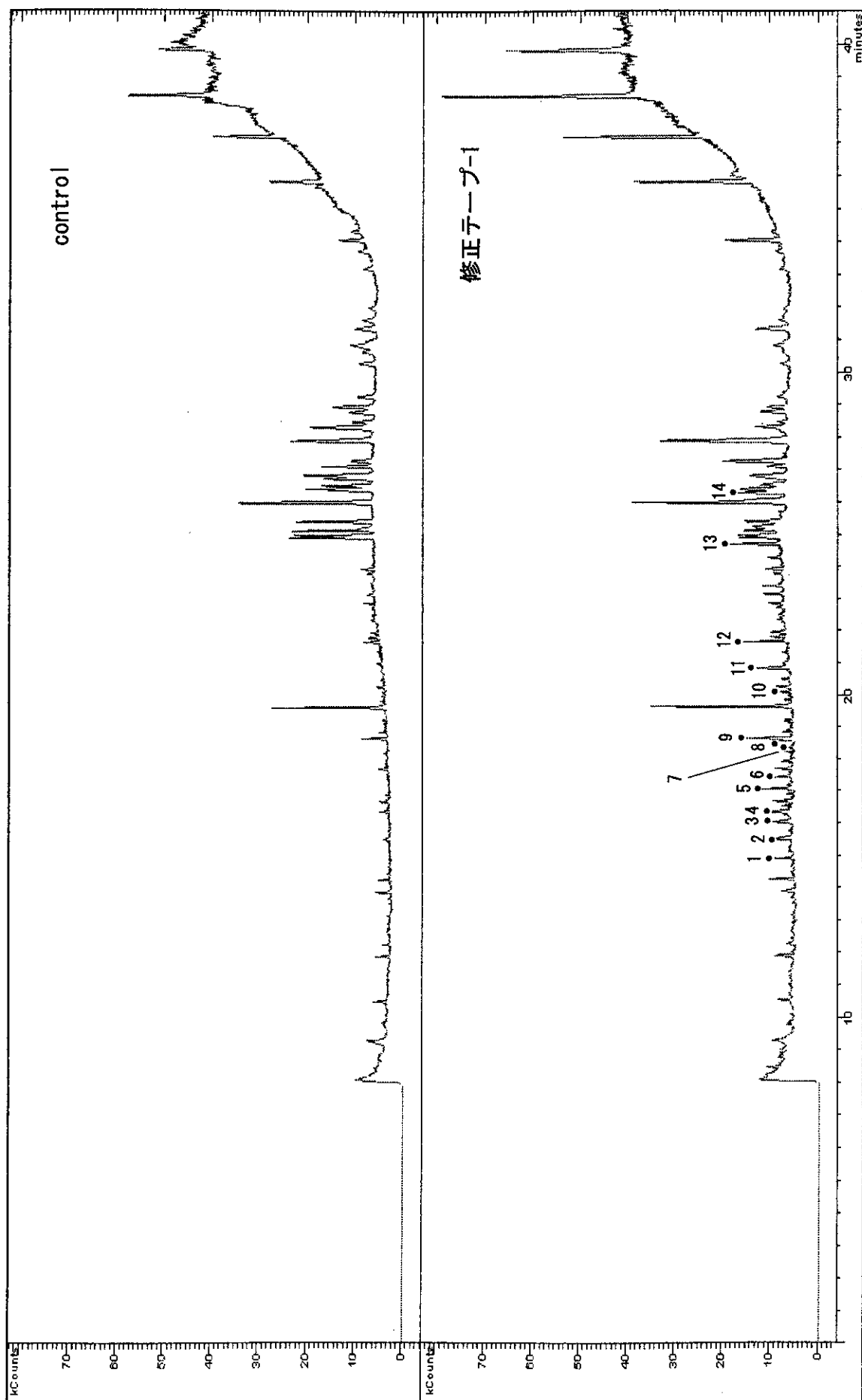


Fig. 3-8. 修正デープ-1 (Sample No. 8)のトータルイオンクロマトグラム(上段はコントロールのクロマトグラム)