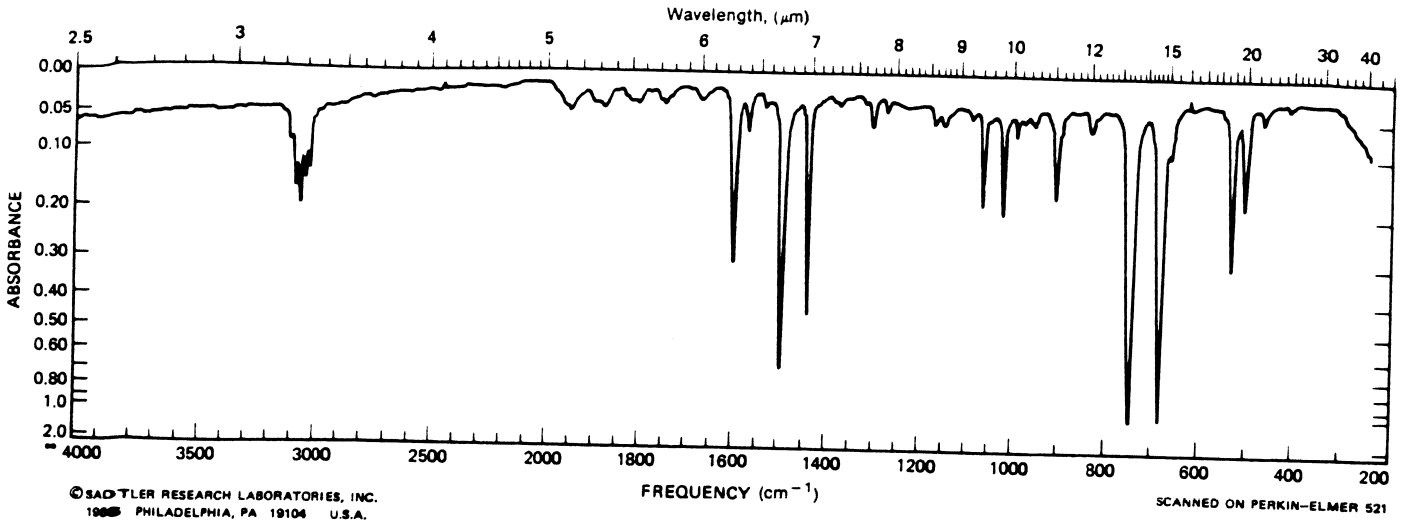
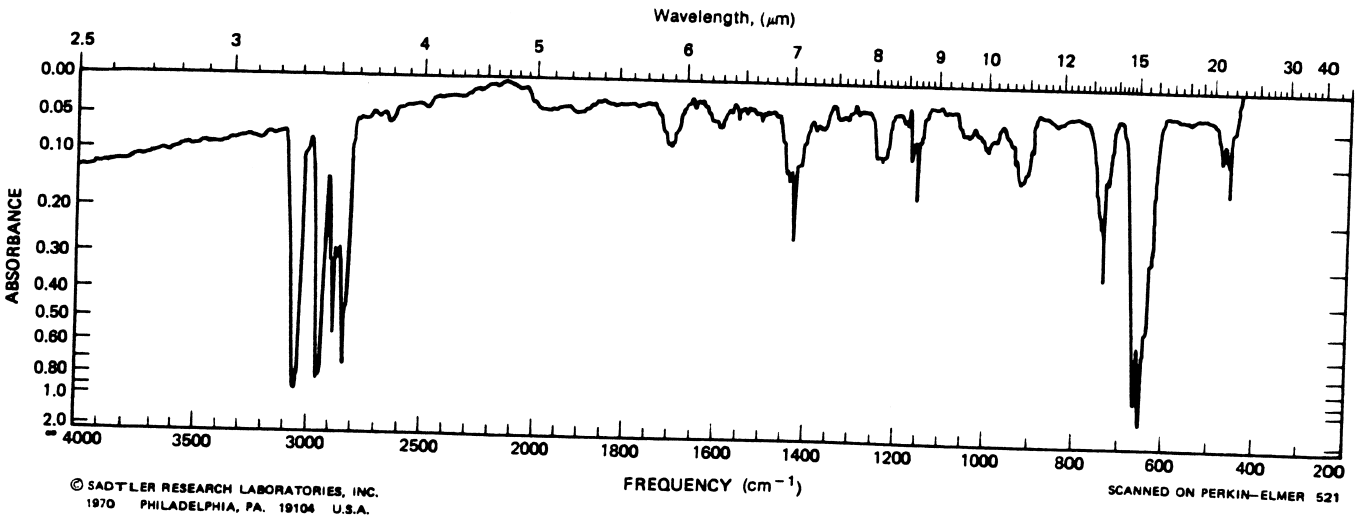


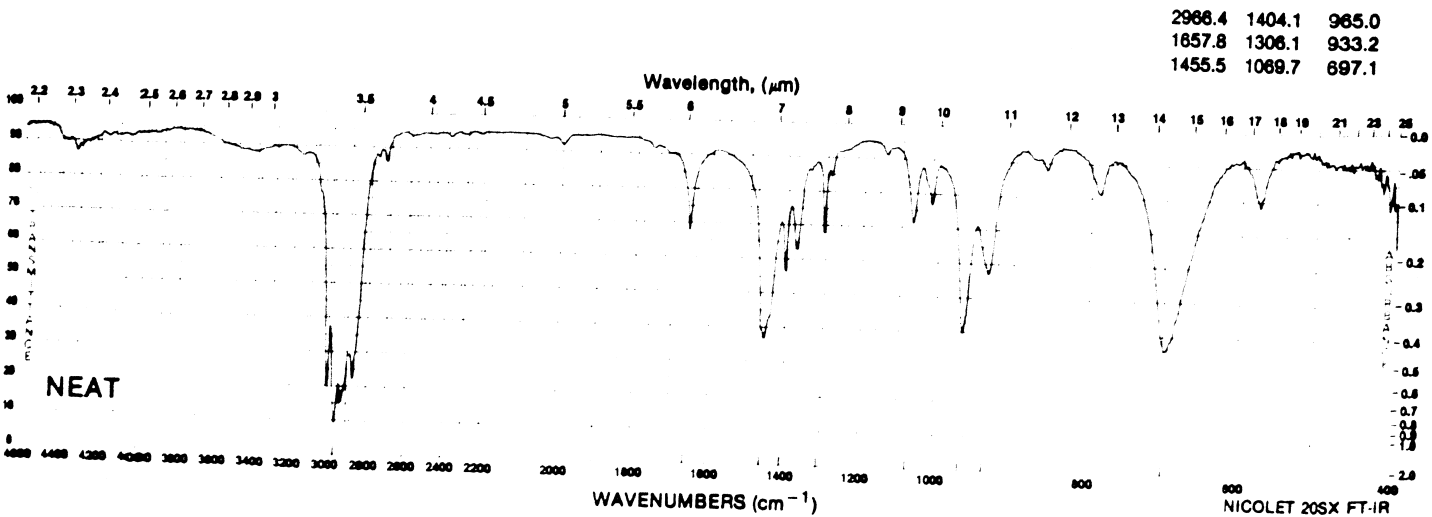
~~Problem 2-3~~ Spectrum A



~~Problem 2-3~~ Spectrum B



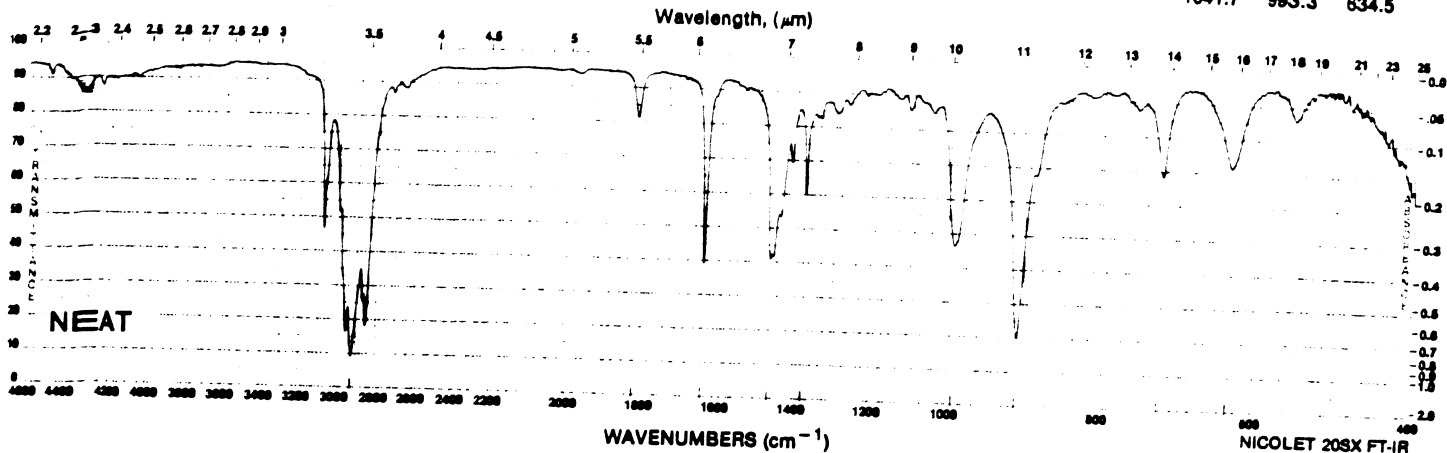
~~Problem 2-3~~ Spectrum C



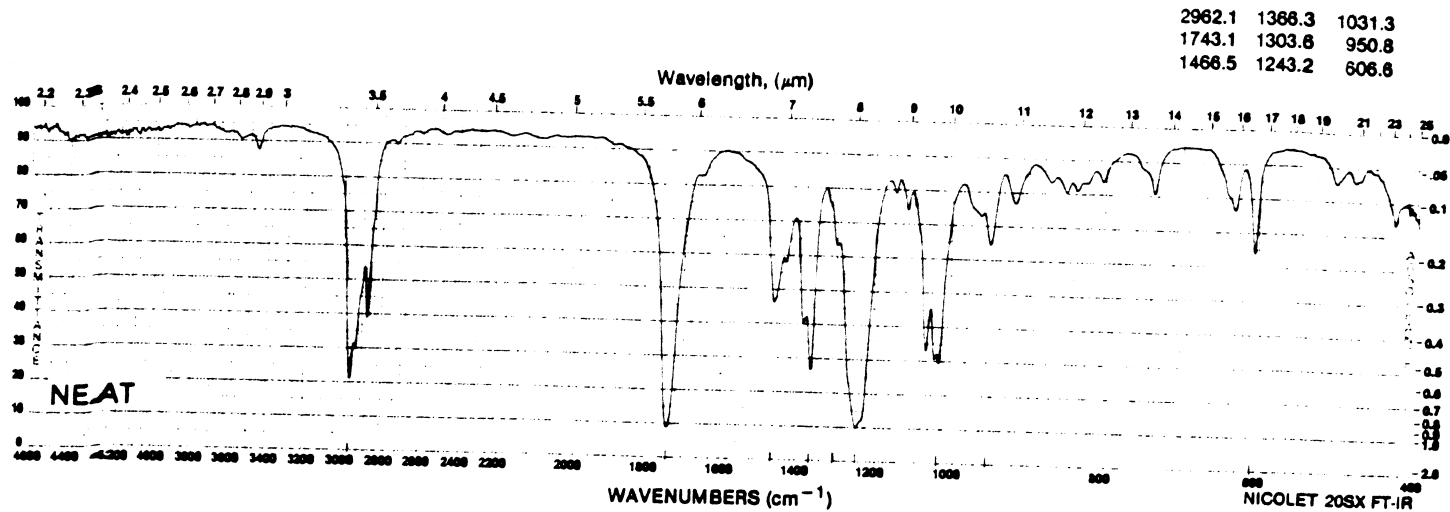
1, CONT.

~~Problem 13~~ Spectrum D

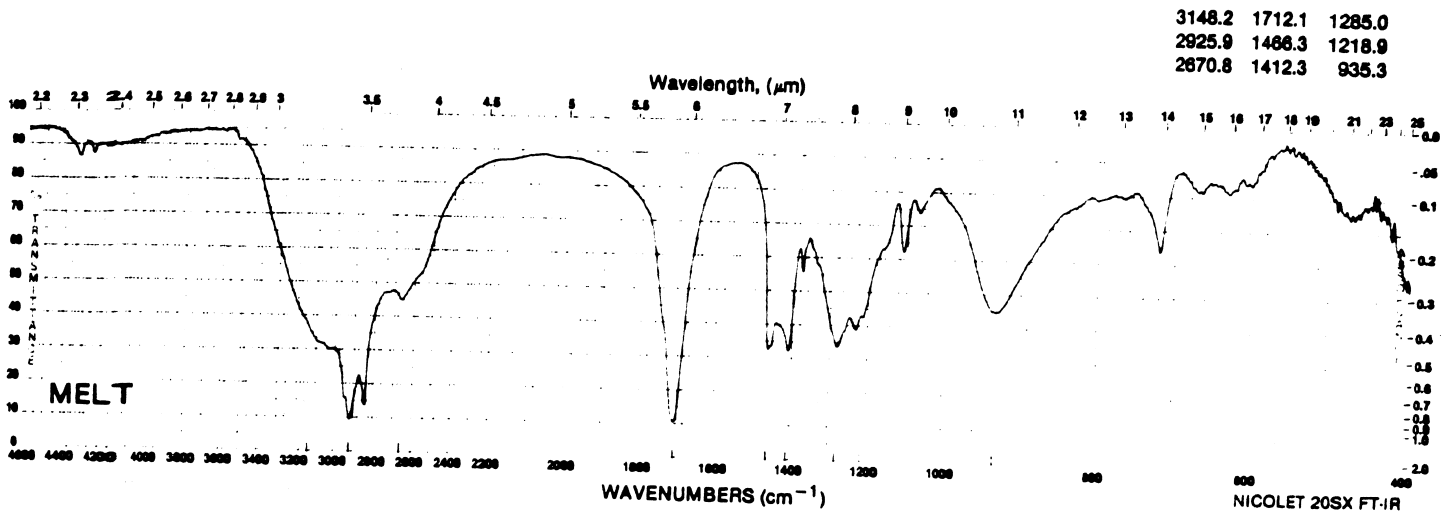
2927.1	1467.1	909.8
1822.5	1378.9	724.5
1641.7	983.3	634.5



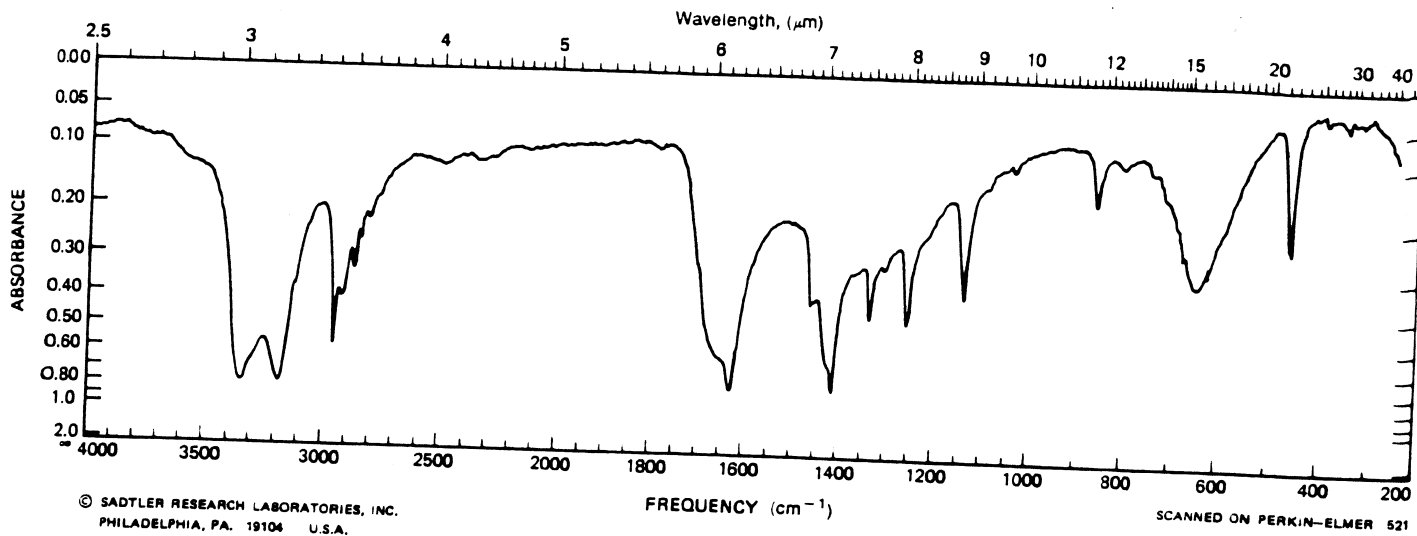
Spectrum E



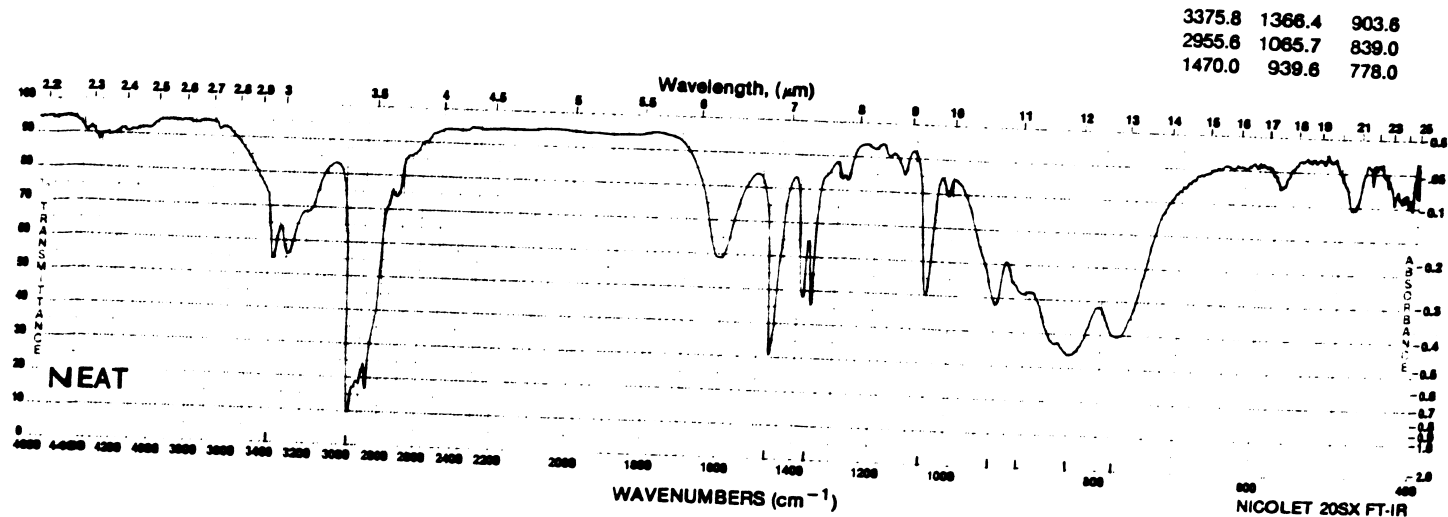
Spectrum F



Spectrum H

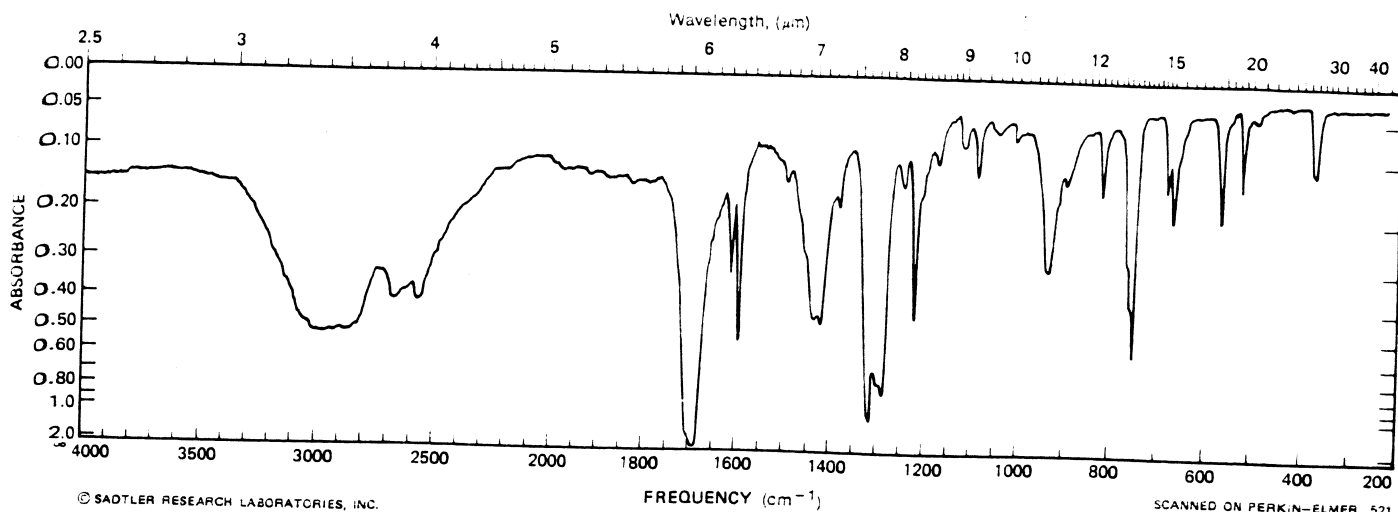


Spectrum I

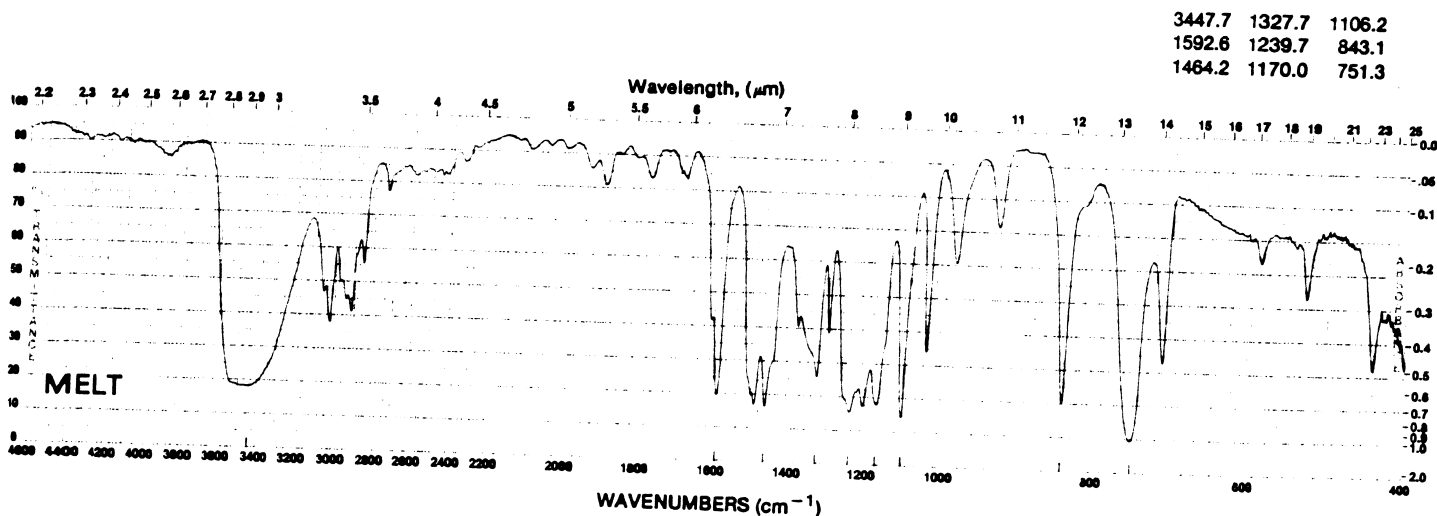


#13

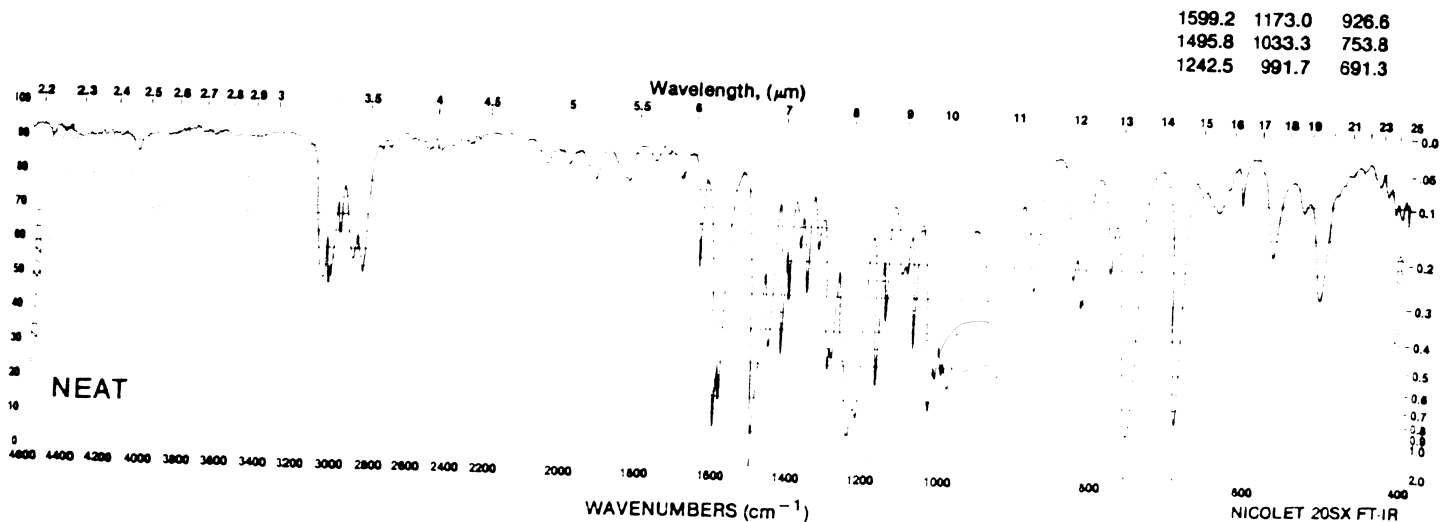
Problem 3.5 Spectrum J



Problem 3.5 Spectrum K



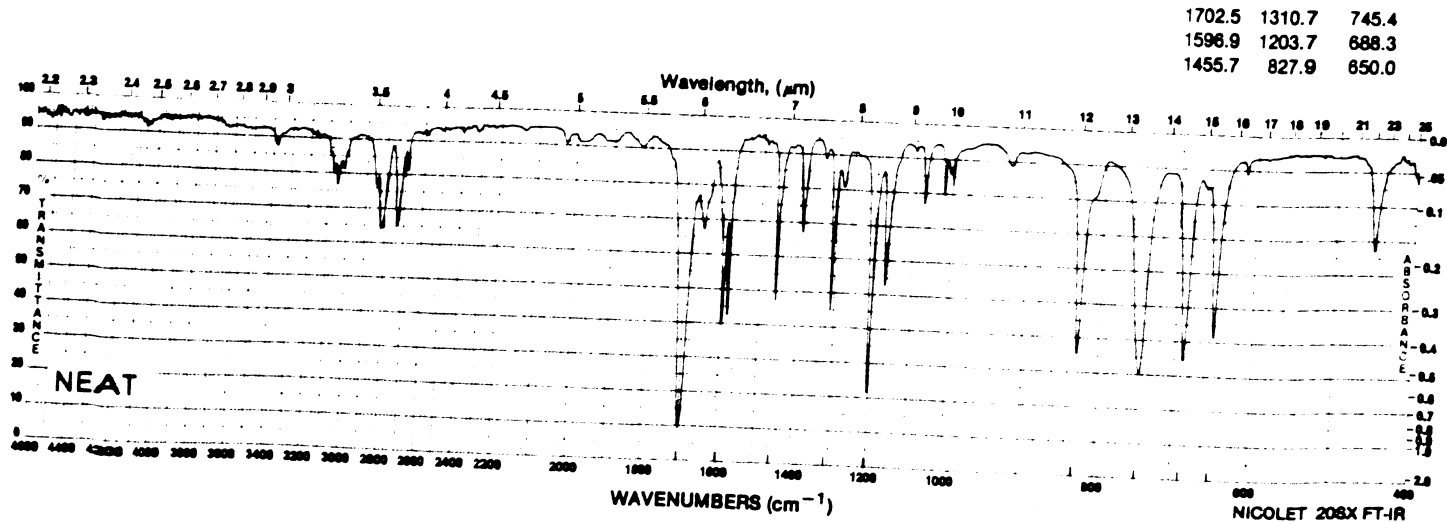
Problem 3.5 Spectrum L



#3, CONT.

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Problem 3.5 Spectrum M



Problem #5

Appendix A (Continued)

FM	FM	FM	FM
C ₁₁ H ₁₃ O ₄ 209.0814	C ₁₆ H ₁₈ 210.1409	C ₁₃ H ₉ O ₃ 212.0473	C ₁₀ H ₈ N ₂ O ₃ 214.1318
C ₁₁ H ₁₅ N ₂ O ₃ 209.1052	211	C ₁₃ H ₁₀ NO ₂ 212.0712	C ₁₀ H ₂₀ N ₂ O ₂ 214.1557
C ₁₁ H ₁₇ N ₂ O ₂ 209.1291	C ₉ H ₁₁ N ₂ O ₄ 211.0719	C ₁₃ H ₁₂ N ₂ O 212.0950	C ₁₀ H ₂₂ N ₂ O 214.1795
C ₁₁ H ₁₉ N ₃ O 209.1529	C ₉ H ₁₃ N ₃ O ₃ 211.0958	C ₁₃ H ₁₄ N ₃ 212.1189	C ₁₁ H ₉ N ₃ O ₂ 214.0617
C ₁₁ H ₂₁ N ₄ 209.1768	C ₉ H ₁₅ N ₄ O ₂ 211.1196	C ₁₃ H ₂₄ O ₂ 212.1777	C ₁₁ H ₁₀ N ₄ O 214.0856
C ₁₂ H ₉ N ₄ 209.0829	C ₁₀ H ₁₃ NO ₄ 211.0845	C ₁₃ H ₂₆ NO 212.2015	C ₁₁ H ₁₈ O ₄ 214.1205
C ₁₂ H ₁₇ O ₃ 209.1178	C ₁₀ H ₁₅ N ₂ O ₃ 211.1083	C ₁₃ H ₂₈ N ₂ 212.2254	C ₁₁ H ₂₀ NO ₃ 214.1444
C ₁₂ H ₁₉ NO ₂ 209.1416	C ₁₀ H ₁₇ N ₃ O ₂ 211.1322	C ₁₄ H ₁₂ O ₂ 212.0837	C ₁₁ H ₂₂ N ₂ O ₂ 214.1682
C ₁₂ H ₂₁ N ₂ O 209.1655	C ₁₀ H ₁₉ N ₄ O 211.1560	C ₁₄ H ₁₄ NO 212.1076	C ₁₁ H ₂₄ N ₃ O 214.1921
C ₁₂ H ₂₃ N ₃ 209.1894	C ₁₁ H ₇ N ₄ O 211.0621	C ₁₄ H ₁₆ N ₂ 212.1315	C ₁₁ H ₂₆ N ₄ 214.2160
C ₁₃ H ₉ N ₂ O 209.0715	C ₁₁ H ₁₅ O ₄ 211.0970	C ₁₄ H ₂₈ O 212.2141	C ₁₂ H ₈ NO ₃ 214.0504
C ₁₃ H ₁₁ N ₃ 209.0954	C ₁₁ H ₁₇ NO ₃ 211.1209	C ₁₄ H ₃₀ N 212.2380	C ₁₂ H ₁₀ N ₂ O ₂ 214.0743
C ₁₃ H ₂₁ O ₂ 209.1542	C ₁₁ H ₁₉ N ₂ O ₂ 211.1447	C ₁₅ H ₁₆ O 212.1202	C ₁₂ H ₁₂ N ₃ O 214.0981
C ₁₃ H ₂₃ NO 209.1781	C ₁₁ H ₂₁ N ₃ O 211.1686	C ₁₅ H ₁₈ N 212.1440	C ₁₂ H ₁₄ N ₄ 214.1220
C ₁₃ H ₂₅ N ₂ 209.2019	C ₁₁ H ₂₃ N ₄ 211.1925	C ₁₅ H ₃₂ 212.2505	C ₁₂ H ₂₂ O ₃ 214.1569
C ₁₄ H ₆ O ₂ 209.0603	C ₁₂ H ₉ N ₃ O 211.0746	C ₁₆ H ₂₀ 212.1566	C ₁₂ H ₂₄ NO ₂ 214.1808
C ₁₄ H ₁₁ NO 209.0841	C ₁₂ H ₁₁ N ₄ 211.0985	213	C ₁₂ H ₂₆ N ₂ O 214.2046
C ₁₄ H ₁₃ N ₂ 209.1080	C ₁₂ H ₁₉ O ₃ 211.1334	C ₉ H ₁₃ N ₂ O ₄ 213.0876	C ₁₂ H ₂₈ N ₃ 214.2285
C ₁₄ H ₂₅ O 209.1906	C ₁₂ H ₂₁ NO ₂ 211.1573	C ₉ H ₁₅ N ₃ O ₃ 213.1114	C ₃ H ₁₀ O ₃ 214.0630
C ₁₄ H ₂₇ N 209.2145	C ₁₂ H ₂₃ N ₂ O 211.1811	C ₉ H ₁₇ N ₄ O ₂ 213.1353	C ₁₃ H ₁₂ NO ₂ 214.0869
C ₁₅ H ₁₃ O 209.0967	C ₁₂ H ₂₅ N ₃ 211.2050	C ₁₀ H ₁₅ NO ₄ 213.1001	C ₁₃ H ₁₄ N ₂ O 214.1107
C ₁₅ H ₁₅ N 209.1205	C ₁₃ H ₉ NO ₂ 211.0634	C ₁₀ H ₁₇ N ₂ O ₃ 213.1240	C ₁₃ H ₁₆ N ₃ 214.1346
C ₁₅ H ₂₉ 209.2270	C ₁₃ H ₁₁ N ₂ O 211.0872	C ₁₀ H ₁₉ N ₃ O ₂ 213.1478	C ₁₃ H ₂₆ O ₂ 214.1934
C ₁₆ H ₁₇ 209.1331	C ₁₃ H ₁₃ N ₃ 211.1111	C ₁₀ H ₂₁ N ₄ O 213.1717	C ₁₃ H ₂₈ NO 214.2172
210	C ₁₃ H ₂₃ O ₂ 211.1699	C ₁₁ H ₇ N ₃ O ₂ 213.0539	C ₁₃ H ₃₀ N ₂ 214.2411
C ₉ H ₁₀ N ₂ O ₄ 210.0641	C ₁₃ H ₂₅ NO 211.1937	C ₁₁ H ₉ N ₄ O 213.0777	C ₁₄ H ₁₄ O ₂ 214.0994
C ₉ H ₁₂ N ₃ O ₃ 210.0879	C ₁₃ H ₂₇ N ₂ 211.2176	C ₁₁ H ₁₇ O ₄ 213.1127	C ₁₄ H ₁₆ NO 214.1233
C ₉ H ₁₄ N ₄ O ₂ 210.1118	C ₁₄ H ₁₁ O ₂ 211.0759	C ₁₁ H ₁₉ NO ₃ 213.1365	C ₁₄ H ₁₈ N ₂ 214.1471
C ₁₀ H ₁₂ NO ₄ 210.0766	C ₁₄ H ₁₃ NO 211.0998	C ₁₁ H ₂₁ N ₂ O ₂ 213.1604	C ₁₅ H ₁₈ O 214.1358
C ₁₀ H ₁₄ N ₂ O ₃ 210.1005	C ₁₄ H ₁₅ N ₂ 211.1236	C ₁₁ H ₂₃ N ₃ O 213.1842	C ₁₅ H ₂₀ N 214.1597
C ₁₀ H ₁₆ N ₃ O ₂ 210.1244	C ₁₄ H ₂₇ O 211.2063	C ₁₁ H ₂₅ N ₄ 213.2081	C ₁₆ H ₂₂ 214.1722
C ₁₀ H ₁₈ N ₄ O 210.1482	C ₁₄ H ₂₉ N 211.2301	C ₁₂ H ₉ N ₂ O ₂ 213.0664	215
C ₁₁ H ₁₄ O ₄ 210.0892	C ₁₅ H ₁₅ O 211.1123	C ₁₂ H ₁₁ N ₃ O 213.0903	C ₉ H ₁₃ N ₂ O ₄ 215.1032
C ₁₁ H ₁₆ NO ₃ 210.1131	C ₁₅ H ₁₇ N 211.1362	C ₁₂ H ₁₃ N ₄ 213.1142	C ₉ H ₁₇ N ₃ O ₃ 215.1271
C ₁₁ H ₁₈ N ₂ O ₂ 210.1369	C ₁₅ H ₃₁ 211.2427	C ₁₂ H ₂₁ O ₃ 213.1491	C ₉ H ₁₉ N ₄ O ₂ 215.1509
C ₁₁ H ₂₀ N ₃ O 210.1608	C ₁₆ H ₁₉ 211.1488	C ₁₂ H ₂₃ NO ₂ 213.1730	C ₁₀ H ₂ N ₄ O ₂ 215.0570
C ₁₁ H ₂₂ N ₄ 210.1846	212	C ₁₂ H ₂₅ N ₂ O 213.1968	C ₁₀ H ₁₇ NO ₄ 215.1158
C ₁₂ H ₈ N ₃ O 210.0668	C ₉ H ₁₂ N ₂ O ₄ 212.0797	C ₁₂ H ₂₇ N ₃ 213.2207	C ₁₀ H ₁₉ N ₂ O ₃ 215.1396
C ₁₂ H ₁₀ N ₄ 210.0907	C ₉ H ₁₄ N ₃ O ₃ 212.1036	C ₁₃ H ₉ O ₃ 213.0552	C ₁₀ H ₂₁ N ₃ O ₂ 215.1635
C ₁₂ H ₁₈ O ₃ 210.1256	C ₉ H ₁₆ N ₄ O ₂ 212.1275	C ₁₃ H ₁₁ NO ₂ 213.0790	C ₁₀ H ₂₃ N ₄ O 215.1873
C ₁₂ H ₂₀ NO ₂ 210.1495	C ₁₀ H ₁₄ NO ₄ 212.0923	C ₁₃ H ₁₃ N ₂ O 213.1029	C ₁₁ H ₉ N ₃ O ₂ 215.0457
C ₁₂ H ₂₂ N ₂ O 210.1733	C ₁₀ H ₁₆ N ₂ O ₃ 212.1162	C ₁₃ H ₁₅ N ₃ 213.1267	C ₁₁ H ₉ N ₄ O ₂ 215.0695
C ₁₂ H ₂₄ N ₃ 210.1972	C ₁₀ H ₁₈ N ₃ O ₂ 212.1400	C ₁₃ H ₂₅ O ₂ 213.1855	C ₁₁ H ₁₁ N ₄ O 215.0934
C ₁₃ H ₈ NO ₃ 210.0555	C ₁₀ H ₂₀ N ₄ O 212.1639	C ₁₃ H ₂₇ NO 213.2094	C ₁₁ H ₁₃ O ₄ 215.1284
C ₁₃ H ₁₀ N ₂ O 210.0794	C ₁₁ H ₈ N ₄ O 212.0699	C ₁₁ H ₂₉ N ₂ 213.2332	C ₁₁ H ₁₅ NO ₃ 215.1522
C ₁₃ H ₁₂ N ₃ 210.1032	C ₁₁ H ₁₆ O ₄ 212.1049	C ₁₁ H ₁₇ O ₂ 213.0916	C ₁₁ H ₁₇ N ₂ O ₂ 215.1761
C ₁₃ H ₂ O ₂ 210.1620	C ₁₁ H ₁₈ NO ₃ 212.1287	C ₁₁ H ₁₉ NO 213.1154	C ₁₁ H ₁₉ N ₃ O 215.1999
C ₁₃ H ₂ NO 210.1859	C ₁₁ H ₂₀ N ₂ O ₂ 212.1526	C ₁₁ H ₁₇ N ₂ 213.1393	C ₁₁ H ₂₁ N ₄ 215.2238
C ₁₃ H ₂₆ N ₂ 210.2098	C ₁₁ H ₂₂ N ₃ O 212.1764	C ₁₁ H ₂₉ O 213.2219	C ₁₁ H ₂₃ NO ₃ 215.0583
C ₁₄ H ₁₀ O ₂ 210.0681	C ₁₁ H ₂₄ N ₄ 212.2003	C ₁₁ H ₁₇ O 213.1280	C ₁₁ H ₂₅ N ₄ O 215.0821
C ₁₄ H ₁₂ NO 210.0919	C ₁₁ H ₂₆ N ₂ O ₂ 212.0586	C ₁₁ H ₁₉ N 213.1519	C ₁₁ H ₂₇ N ₄ O 215.1060
C ₁₄ H ₁₄ N ₂ 210.1158	C ₁₁ H ₂₈ N ₃ O 212.0825	C ₁₁ H ₂₁ 213.1644	C ₁₁ H ₂₉ N ₄ 215.1298
C ₁₄ H ₂₆ O 210.1985	C ₁₂ H ₁₇ N ₄ 212.1063	214	C ₁₁ H ₃₁ O ₃ 215.1648
C ₁₄ H ₂₈ N 210.2223	C ₁₂ H ₂₀ O ₃ 212.1413	C ₁₀ H ₄ N ₂ O ₃ 214.0954	C ₁₁ H ₃₃ NO ₃ 215.1886
C ₁₄ H ₃₀ O 210.1045	C ₁₂ H ₂₂ NO ₃ 212.1651	C ₁₀ H ₆ N ₃ O ₃ 214.1193	C ₁₁ H ₃₅ N ₄ O 215.2125
C ₁₄ H ₃₂ N 210.1284	C ₁₂ H ₂₄ N ₂ O 212.1890	C ₁₀ H ₈ N ₄ O ₃ 214.1431	C ₁₁ H ₃₇ N ₄ 215.2363
C ₁₄ H ₃₄ O 210.2349	C ₁₂ H ₂₆ N ₃ 212.2129	C ₁₀ H ₁₀ NO ₃ 214.1080	C ₁₁ H ₃₉ O ₃ 215.0708

Problem #5, cont.

