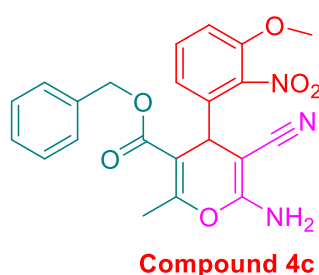
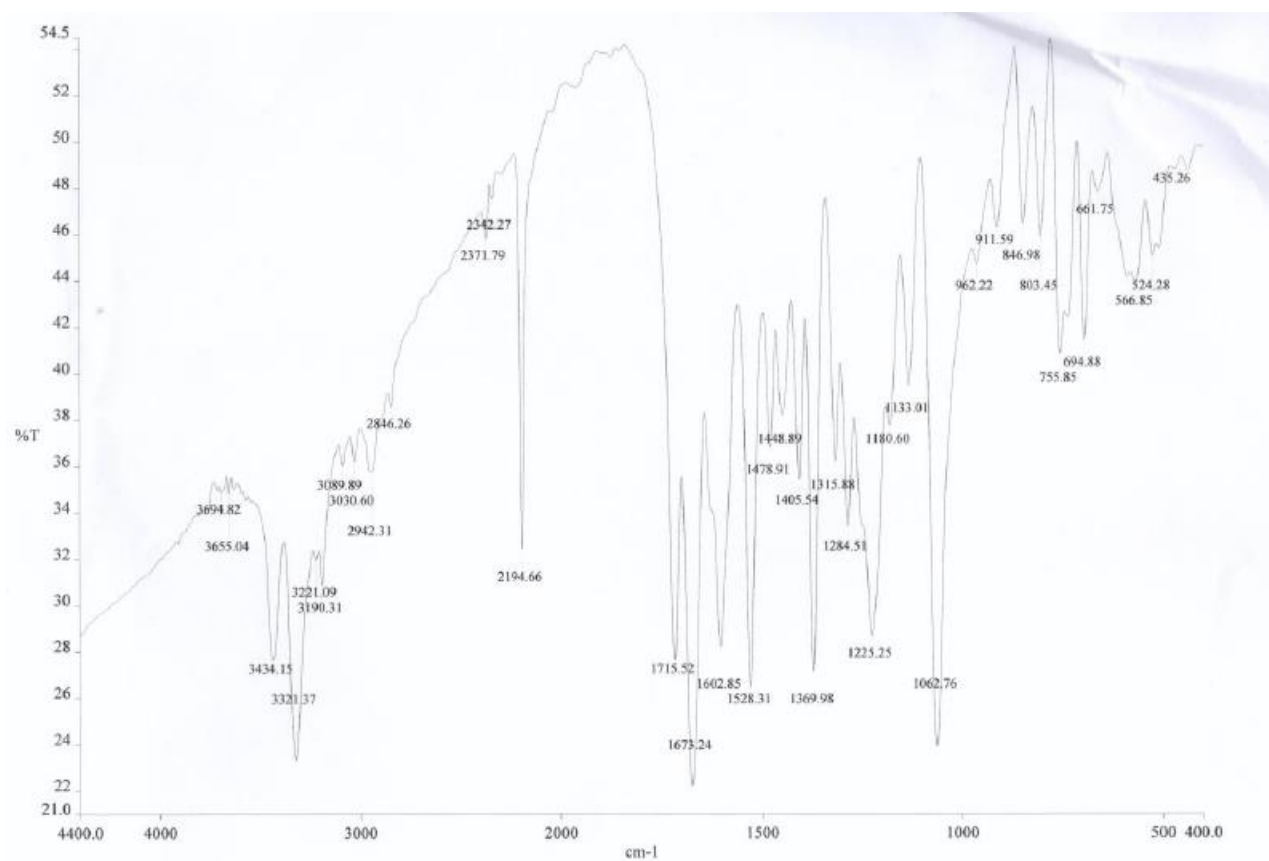


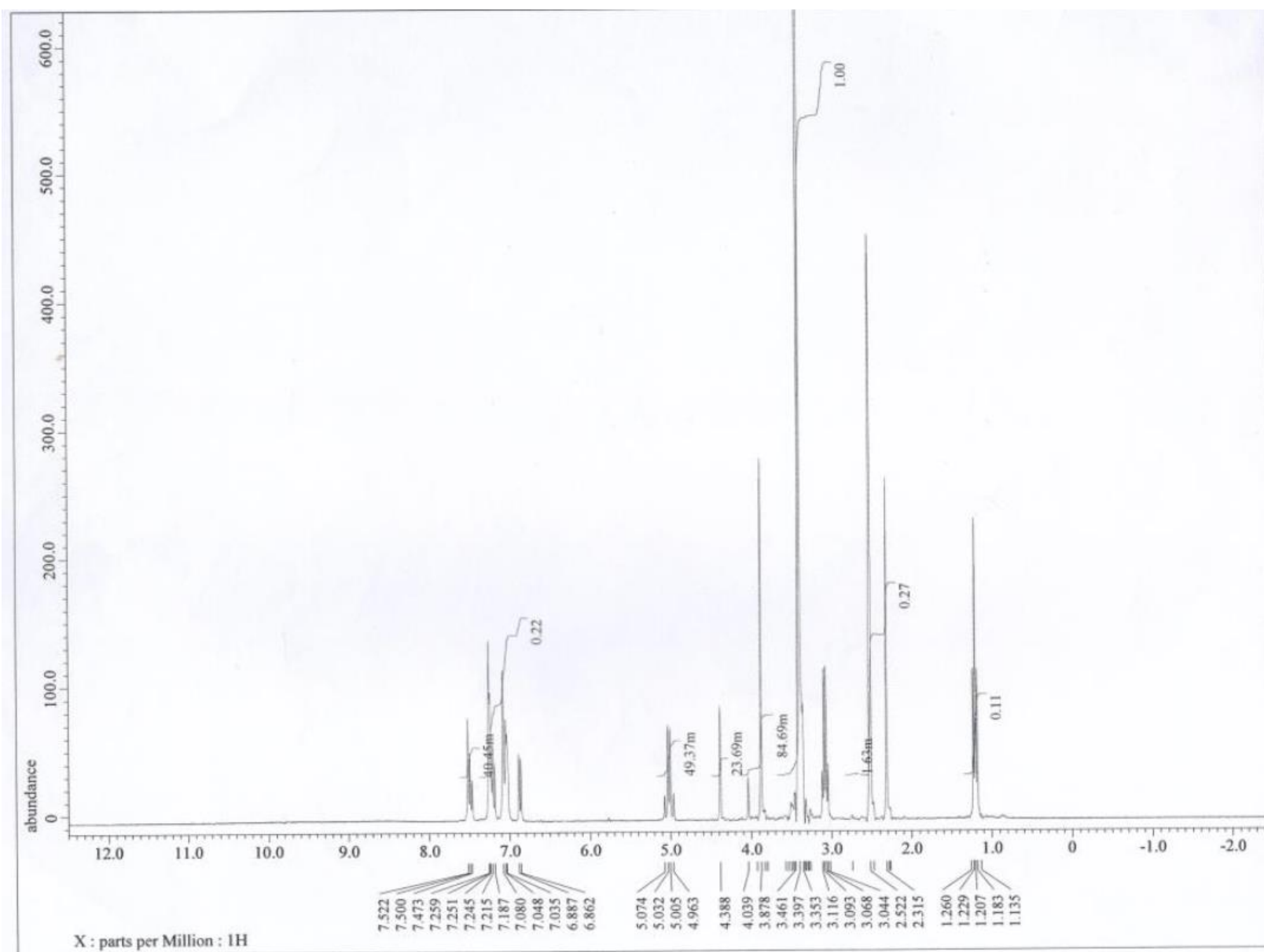
# Synthesis and evaluation of some 4*H*-pyran derivatives as antioxidant, antibacterial and anti-HCT-116 cells of CRC. Molecular docking, quantitative measurement of CDK2 and real time PCR determination of the expression profiles of Caspase-3 and CDK genes

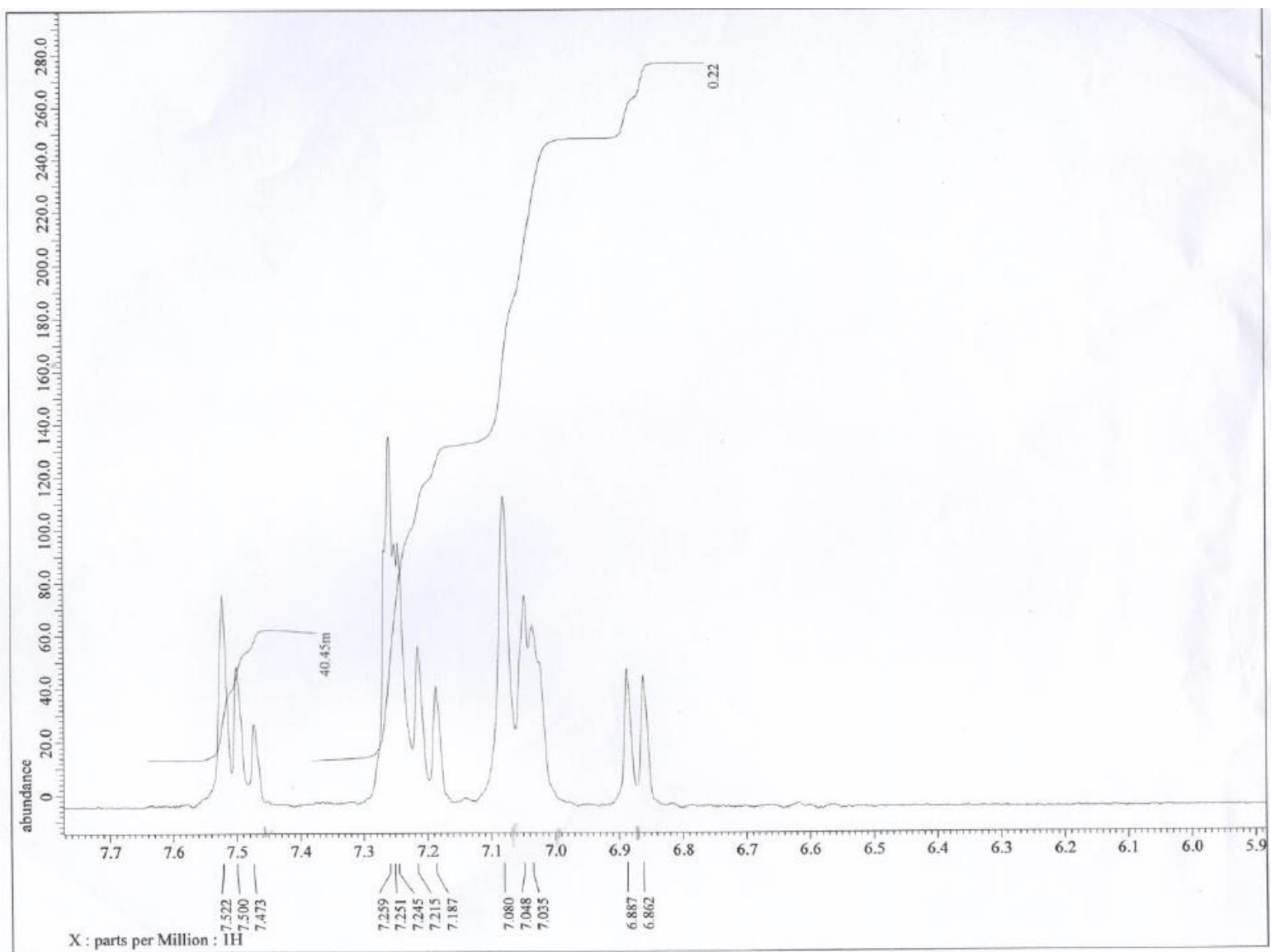
Nahed N. E. El-Sayed, Magdi E. A. Zaki, Sami A. Al-Hussain, Abir Ben Bacha, Malika Berredjem, Vijay H. Masand, Zainab M. Almarhoon, Hanaa S. Omar

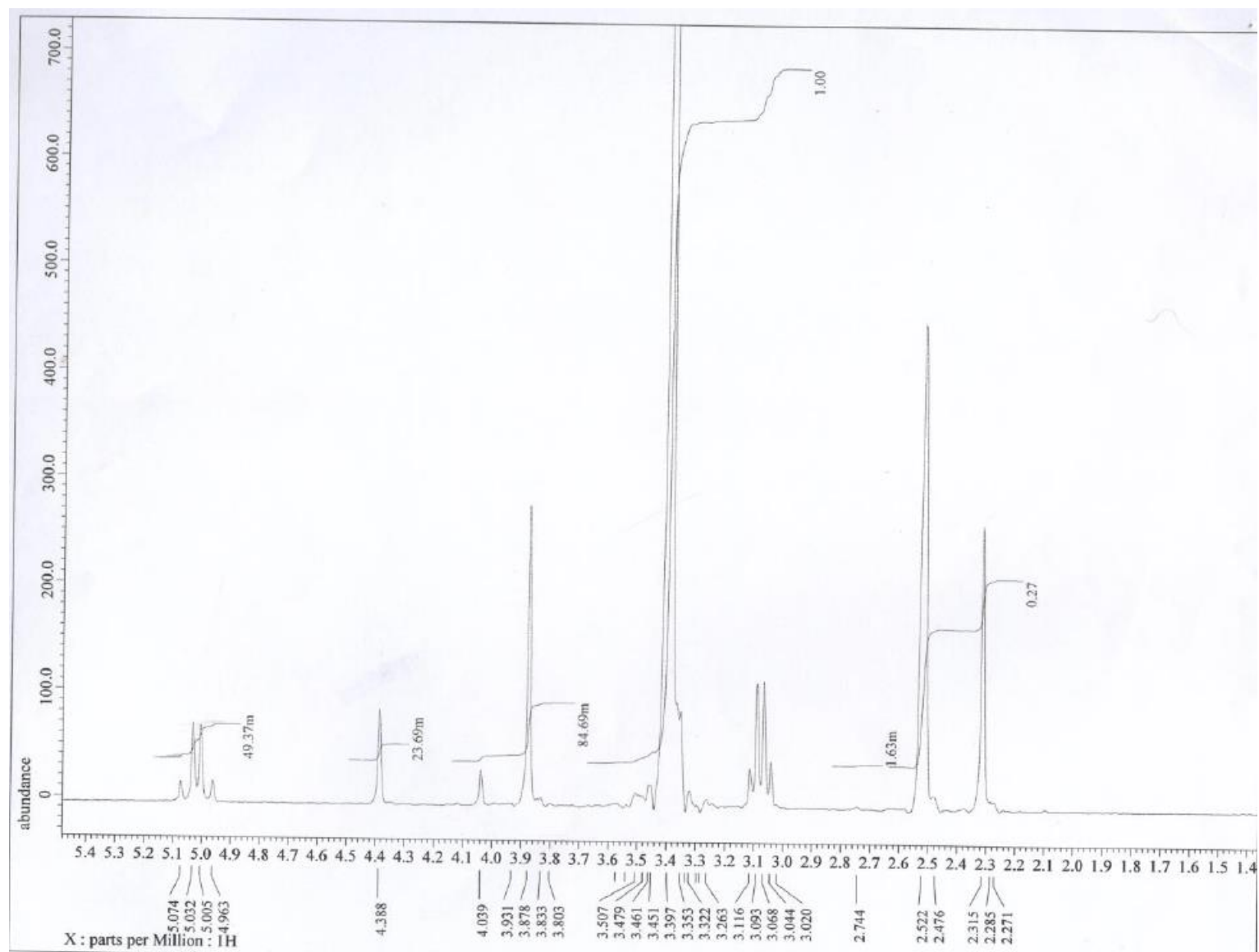
## Representative spectra

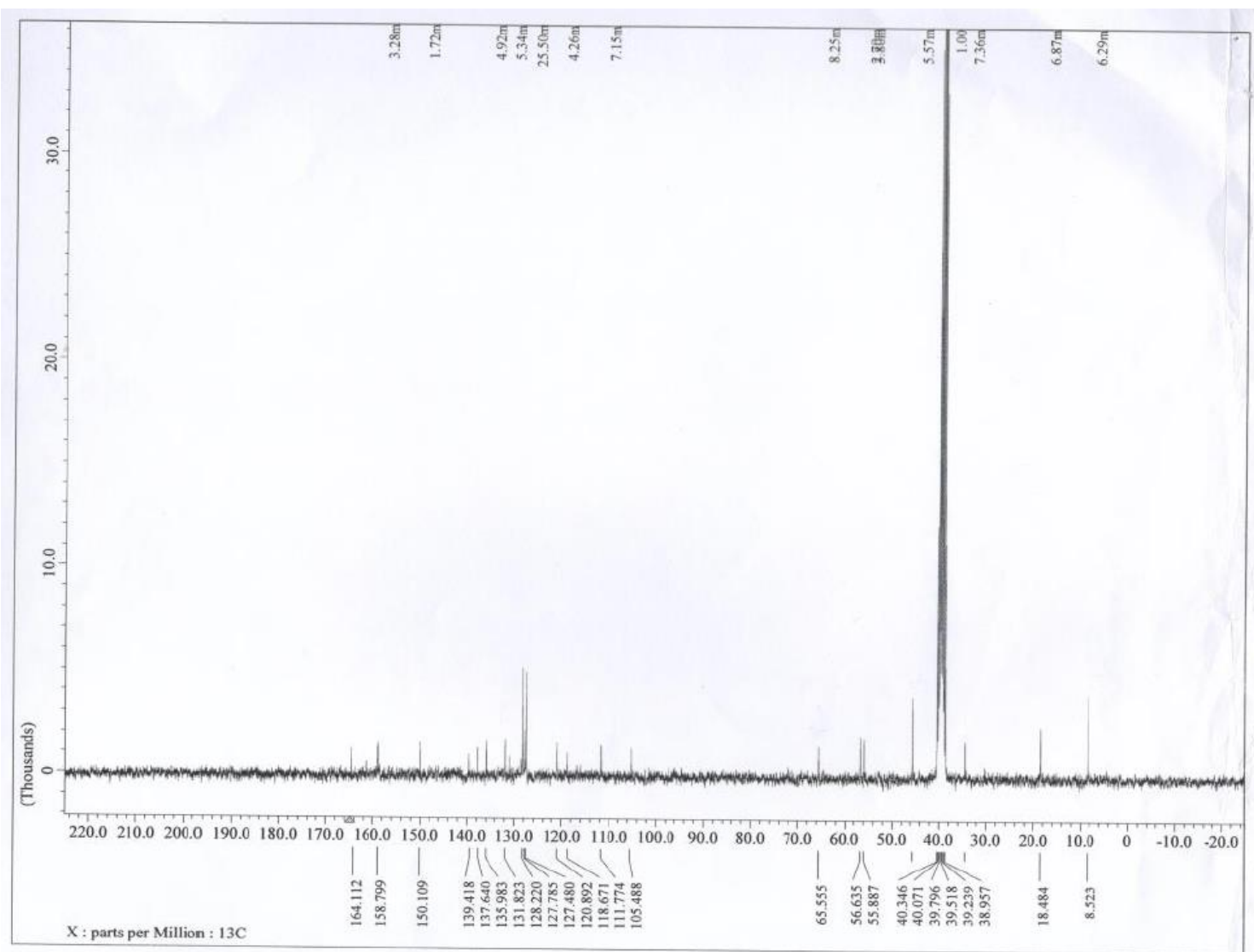




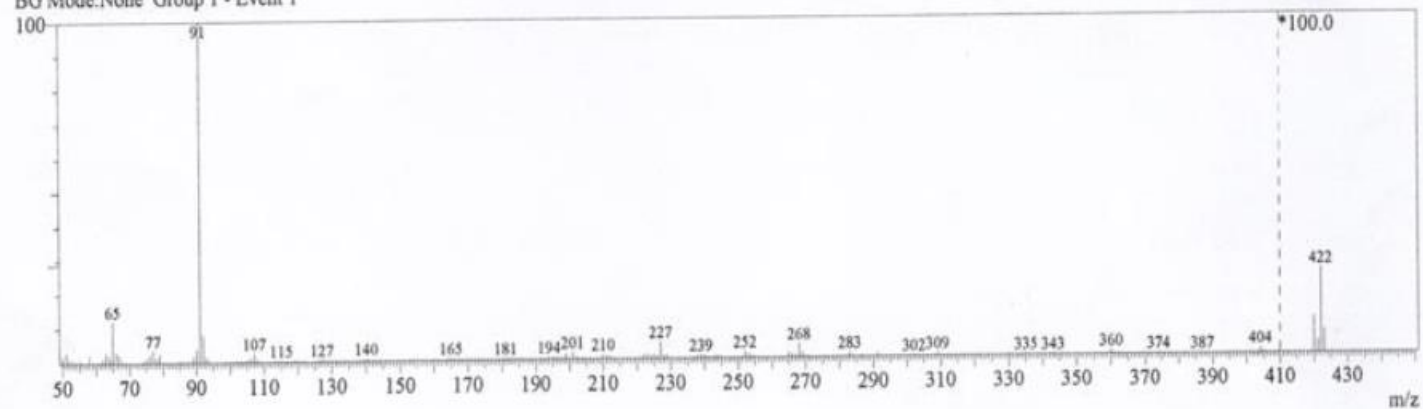








Line#:1 R.Time:6.5(Scan#:776)  
 MassPeaks:290  
 RawMode:Single 6.5(776) BasePeak:91(2876938)  
 BG Mode:None Group 1 - Event 1



#### Mass Table

Line#:1 R.Time:6.5(Scan#:776)

MassPeaks:290

RawMode:Single 6.5(776) BasePeak:91(2876938)

BG Mode:None Group 1 - Event 1

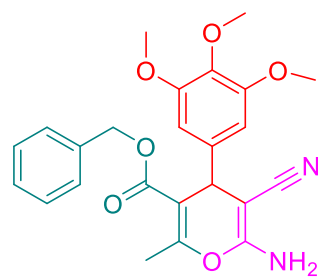
#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	42142	1.46	4	53.00	25657	0.89	7	56.00	2588	0.09
2	51.00	88790	3.09	5	54.00	8666	0.30	8	57.05	4124	0.14
3	52.00	37879	1.32	6	55.00	20934	0.73	9	58.00	70786	2.46



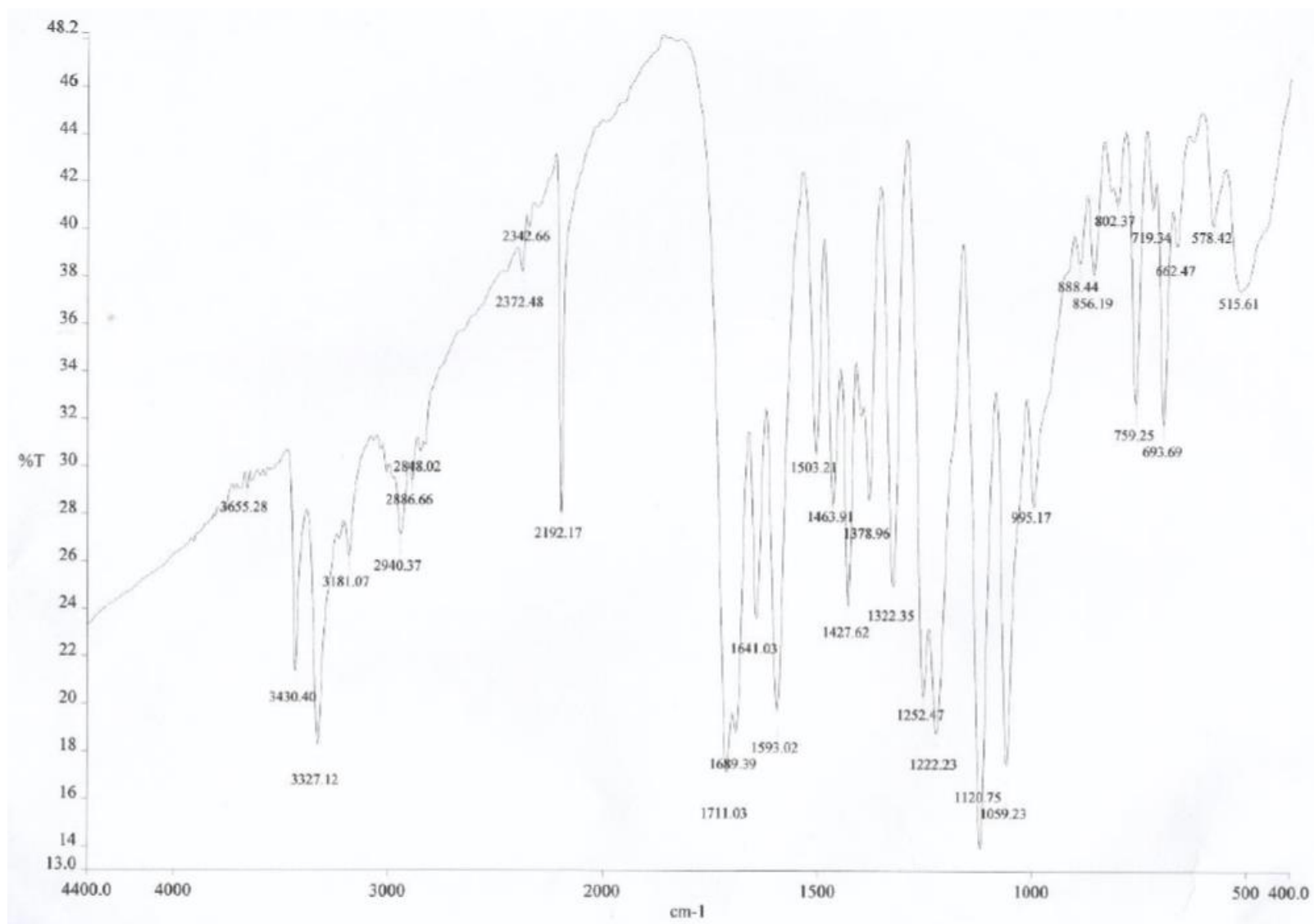
#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
10	59.00	16799	0.58	79	131.10	6262	0.22	148	200.05	12724	0.44
11	60.05	2242	0.08	80	132.10	6415	0.22	149	201.00	59105	2.05
12	61.05	8175	0.28	81	133.10	5788	0.20	150	202.00	20145	0.70
13	62.00	36782	1.28	82	134.10	13646	0.47	151	203.00	10553	0.37
14	63.00	81118	2.82	83	135.10	2930	0.10	152	204.00	10769	0.37
15	64.05	47440	1.65	84	136.10	1647	0.06	153	205.00	5138	0.18
16	65.00	347354	12.07	85	137.10	2422	0.08	154	206.00	4962	0.17
17	66.00	90618	3.15	86	138.10	3236	0.11	155	207.00	4775	0.17
18	67.00	60734	2.11	87	139.10	10484	0.36	156	208.00	4790	0.17
19	68.00	8705	0.30	88	140.05	22398	0.78	157	209.05	12641	0.44
20	69.00	7254	0.25	89	141.05	11555	0.40	158	210.00	37836	1.32
21	70.05	1908	0.07	90	142.10	8710	0.30	159	211.00	24878	0.86
22	71.00	1799	0.06	91	143.05	7207	0.25	160	212.00	22228	0.77
23	73.05	2138	0.07	92	144.05	6078	0.21	161	213.00	13057	0.45
24	74.00	13126	0.46	93	145.10	5254	0.18	162	214.00	5169	0.18
25	75.00	31081	1.08	94	146.05	8226	0.29	163	215.05	4160	0.14
26	76.00	65564	2.28	95	147.10	2791	0.10	164	216.00	4857	0.17
27	77.05	99537	3.46	96	148.05	10423	0.36	165	217.00	5455	0.19
28	78.05	38147	1.33	97	149.05	4223	0.15	166	218.00	3694	0.13
29	79.05	71165	2.47	98	150.05	7238	0.25	167	219.00	2378	0.08
30	80.05	9247	0.32	99	151.05	2863	0.10	168	220.00	4142	0.14
31	81.00	2569	0.09	100	152.05	7358	0.26	169	221.05	4865	0.17
32	82.05	1019	0.04	101	153.05	12486	0.43	170	222.00	31751	1.10
33	83.00	3257	0.11	102	154.05	10959	0.38	171	223.00	34863	1.21
34	84.05	2572	0.09	103	155.05	11797	0.41	172	224.05	20109	0.70
35	85.00	14740	0.51	104	156.05	7560	0.26	173	225.00	29622	1.03
36	86.05	7773	0.27	105	157.05	6711	0.23	174	226.05	18929	0.66
37	87.00	15089	0.52	106	158.00	6921	0.24	175	227.00	137474	4.78
38	88.05	15599	0.54	107	159.05	4619	0.16	176	228.00	25255	0.88
39	89.05	53190	1.85	108	160.00	7758	0.27	177	229.00	24881	0.86
40	90.15	112357	3.91	109	161.00	6388	0.22	178	230.00	5002	0.17
41	91.05	287693	100.00	110	162.00	4500	0.16	179	231.00	2238	0.08
42	92.05	230636	8.02	111	163.05	3148	0.11	180	232.05	1178	0.04
43	93.05	40423	1.41	112	164.05	15422	0.54	181	233.05	1399	0.05
44	94.05	7636	0.27	113	165.00	17342	0.60	182	234.00	4242	0.15
45	95.05	3967	0.14	114	166.00	10852	0.38	183	235.05	2892	0.10
46	97.05	1548	0.05	115	167.00	10249	0.36	184	236.05	4328	0.15
47	98.10	1519	0.05	116	168.00	10831	0.38	185	237.05	10533	0.37
48	99.05	5769	0.20	117	169.00	9295	0.32	186	238.05	22788	0.79
49	100.05	8225	0.29	118	170.00	9367	0.33	187	239.05	25471	0.89
50	101.05	14189	0.49	119	171.00	8498	0.30	188	240.05	21438	0.75
51	102.05	14438	0.50	120	172.00	5687	0.20	189	241.05	11551	0.40
52	103.10	9836	0.34	121	173.00	9319	0.32	190	242.05	5510	0.19
53	104.10	9887	0.34	122	174.05	6148	0.21	191	243.05	18237	0.63
54	105.10	22404	0.78	123	175.00	4734	0.16	192	244.05	22119	0.77
55	106.10	27550	0.96	124	176.00	3281	0.11	193	245.00	12543	0.44
56	107.10	74871	2.60	125	177.00	3540	0.12	194	246.05	2874	0.10
57	108.10	19250	0.67	126	178.00	6161	0.21	195	247.05	2007	0.07
58	109.05	2383	0.08	127	179.00	7633	0.27	196	248.05	3197	0.11
59	111.05	1120	0.04	128	180.00	8591	0.30	197	249.05	1998	0.07
60	112.10	2828	0.10	129	181.05	14527	0.50	198	250.10	2647	0.09
61	113.05	12115	0.42	130	182.00	11526	0.40	199	251.15	8215	0.29
62	114.05	12893	0.45	131	183.00	11242	0.39	200	252.05	52577	1.83
63	115.10	14262	0.50	132	184.00	9330	0.32	201	253.05	33318	1.16
64	116.10	9462	0.33	133	185.00	10642	0.37	202	254.05	19279	0.67
65	117.05	9417	0.33	134	186.00	14289	0.50	203	255.05	17162	0.60
66	118.10	5961	0.21	135	187.00	6441	0.22	204	256.05	6925	0.24
67	119.05	11809	0.41	136	188.00	7345	0.26	205	257.05	2839	0.10
68	120.05	13754	0.48	137	189.00	4554	0.16	206	258.05	1664	0.06
69	121.10	8554	0.30	138	190.00	2655	0.09	207	259.10	1710	0.06
70	122.05	3061	0.11	139	191.00	1910	0.07	208	260.10	1878	0.07
71	123.05	1181	0.04	140	192.00	5542	0.19	209	261.05	1698	0.06
72	124.15	1123	0.04	141	193.05	5085	0.18	210	262.05	1403	0.05
73	125.15	3772	0.13	142	194.00	18534	0.64	211	263.10	3169	0.11
74	126.10	13775	0.48	143	195.00	16514	0.57	212	264.05	1663	0.06
75	127.10	15196	0.53	144	196.00	15449	0.54	213	265.05	44634	1.55
76	128.05	12890	0.45	145	197.00	17388	0.60	214	266.05	28014	0.97
77	129.10	8782	0.31	146	198.05	15771	0.55	215	267.15	15280	0.53
78	130.10	9097	0.32	147	199.00	48042	1.67	216	268.05	113410	3.94

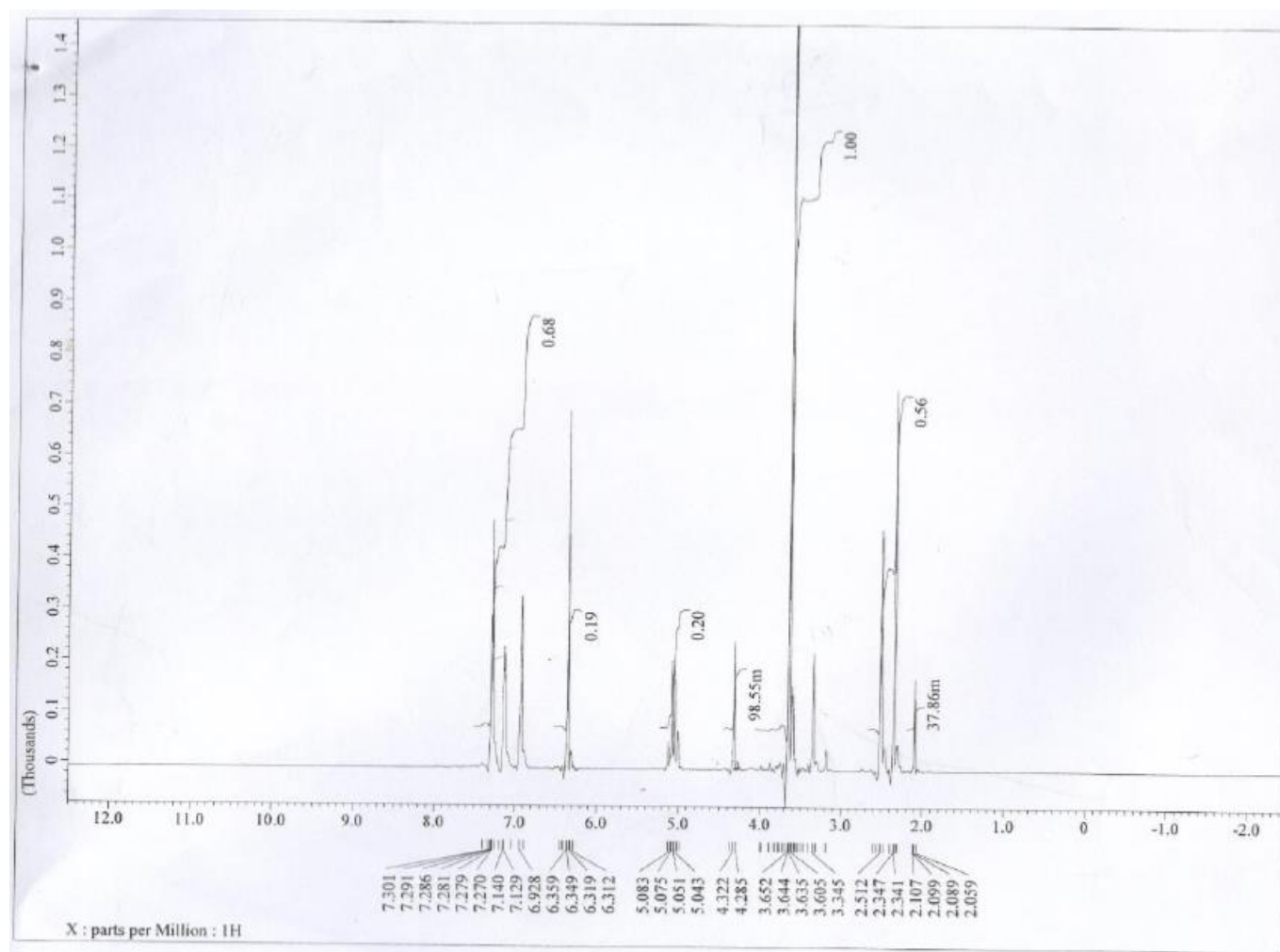


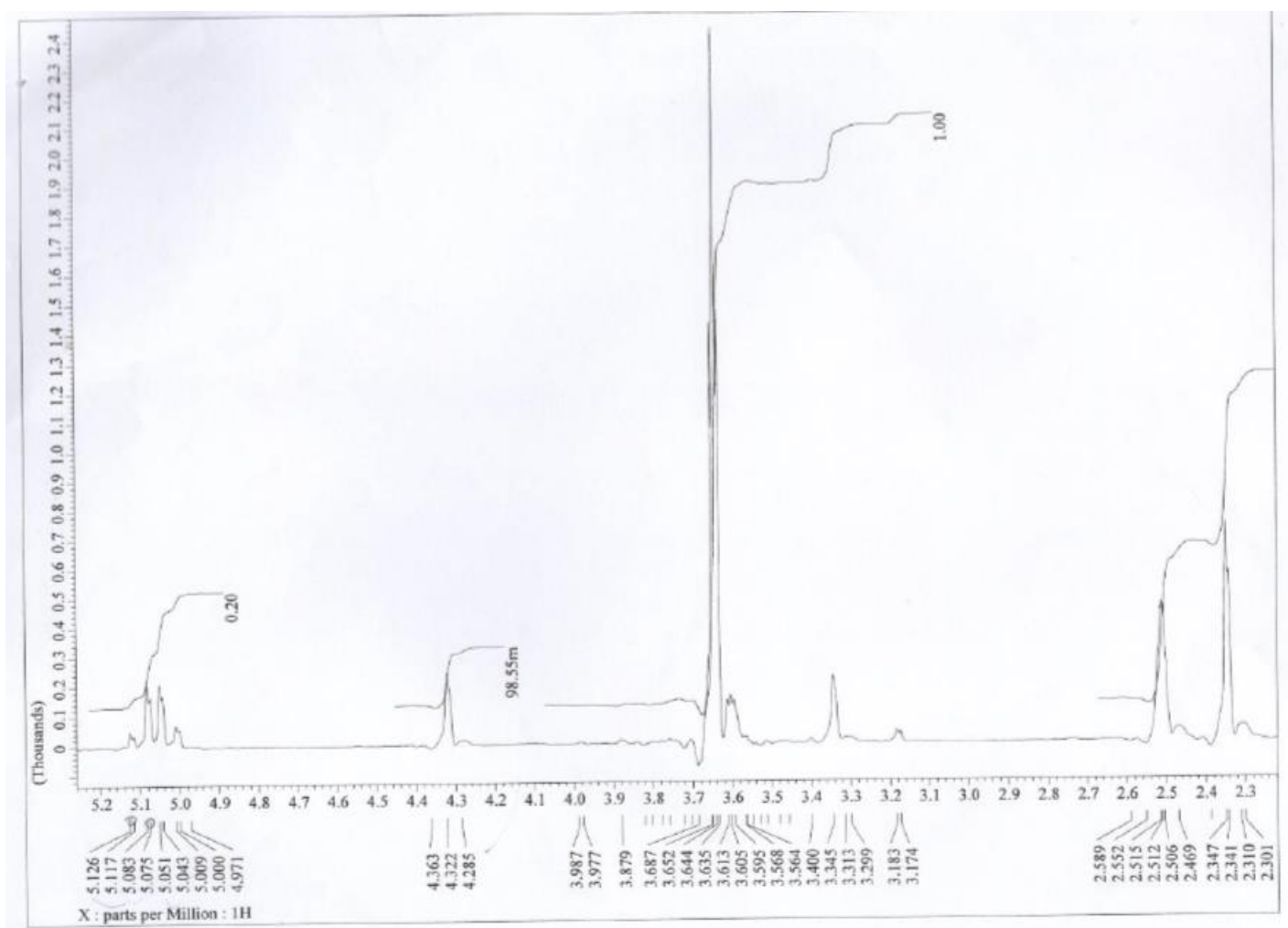
#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
217	269.05	46480	1.62	242	297.05	2257	0.08	267	336.05	2260	0.08
218	270.05	11435	0.40	243	298.05	1962	0.07	268	342.10	3346	0.12
219	271.00	9975	0.35	244	299.05	3682	0.13	269	343.05	5674	0.20
220	272.05	4054	0.14	245	300.05	3583	0.12	270	344.05	3603	0.13
221	273.05	2987	0.10	246	301.05	3522	0.12	271	345.05	1551	0.05
222	274.05	2539	0.09	247	302.05	4851	0.17	272	357.05	1830	0.06
223	275.10	5218	0.18	248	303.05	2107	0.07	273	358.05	1072	0.04
224	276.05	7554	0.26	249	309.10	21812	0.76	274	359.15	1333	0.05
225	277.05	2032	0.07	250	310.05	5457	0.19	275	360.10	30857	1.07
226	278.05	1186	0.04	251	311.05	1439	0.05	276	361.05	8081	0.28
227	280.05	2198	0.08	252	312.05	1309	0.05	277	362.10	2148	0.07
228	281.05	1738	0.06	253	313.10	1430	0.05	278	374.05	7284	0.25
229	282.05	3002	0.10	254	314.05	2785	0.10	279	375.05	2454	0.09
230	283.05	36659	1.27	255	315.10	4049	0.14	280	376.05	1997	0.07
231	284.05	8954	0.31	256	316.15	2257	0.08	281	387.00	2233	0.08
232	285.05	4221	0.15	257	317.05	10417	0.36	282	388.05	1036	0.04
233	286.05	5109	0.18	258	318.05	3350	0.12	283	403.15	1950	0.07
234	287.05	3839	0.13	259	328.05	1798	0.06	284	404.05	42596	1.48
235	288.05	3628	0.13	260	329.05	1409	0.05	285	405.05	10889	0.38
236	289.10	3233	0.11	261	330.05	7014	0.24	286	406.10	1762	0.06
237	290.15	3492	0.12	262	331.05	2520	0.09	287	420.05	3029	0.11
238	291.10	33364	1.16	263	332.05	1517	0.05	288	421.15	1043	0.04
239	292.10	7265	0.25	264	333.10	1196	0.04	289	422.10	7140	0.25
240	293.10	1158	0.04	265	334.15	2454	0.09	290	423.05	1929	0.07
241	296.00	1705	0.06	266	335.05	10236	0.36				

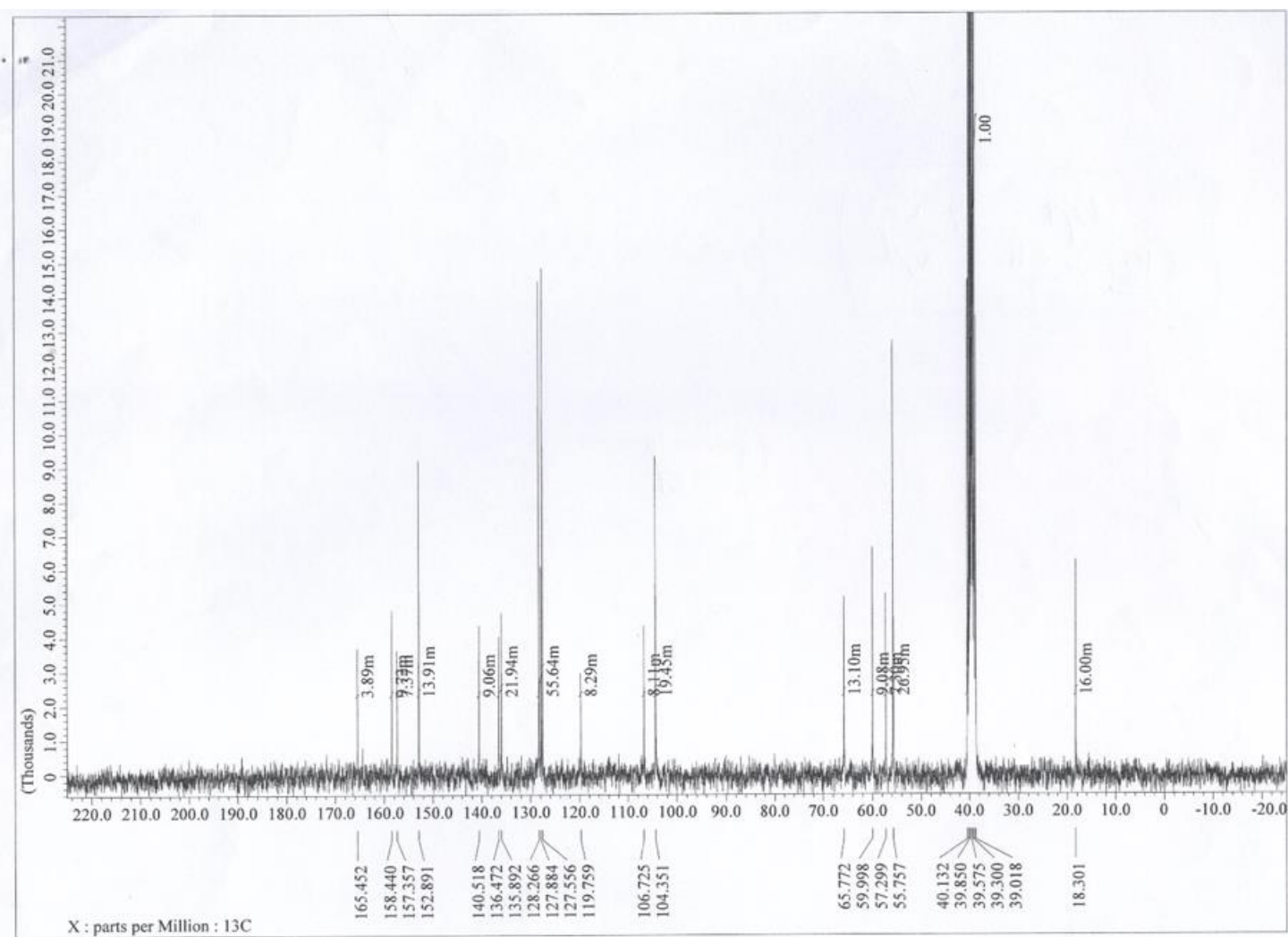


**Compound 4d**

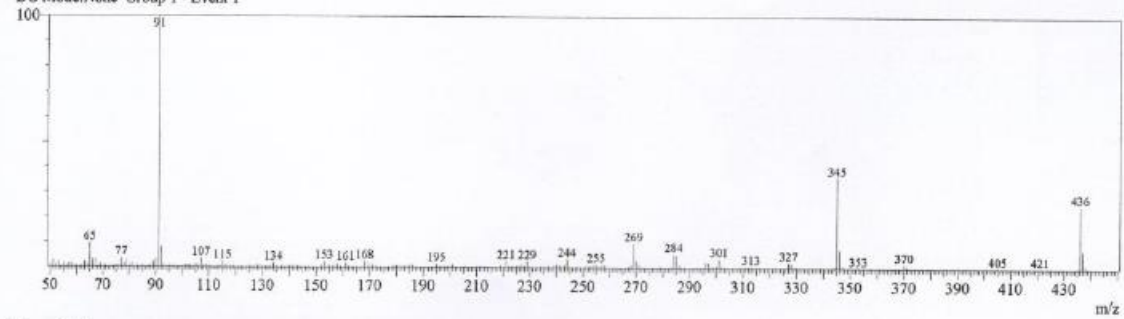








Line#:1 R.Time:3.5(Scan#:421)  
 MassPeaks:284  
 RawMode:Single 3.5(421) BasePeak:91(1421659)  
 BG Mode:None Group 1 - Event 1



#### Mass Table

Line#:1 R.Time:3.5(Scan#:421)

MassPeaks:284

RawMode:Single 3.5(421) BasePeak:91(1421659)

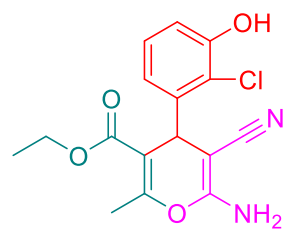
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	16417	1.15	4	53.00	30078	2.12	7	56.05	5658	0.40
2	51.00	34822	2.45	5	54.05	5384	0.38	8	57.05	20646	1.45
3	52.05	14154	1.00	6	55.00	20806	1.46	9	58.00	19583	1.38

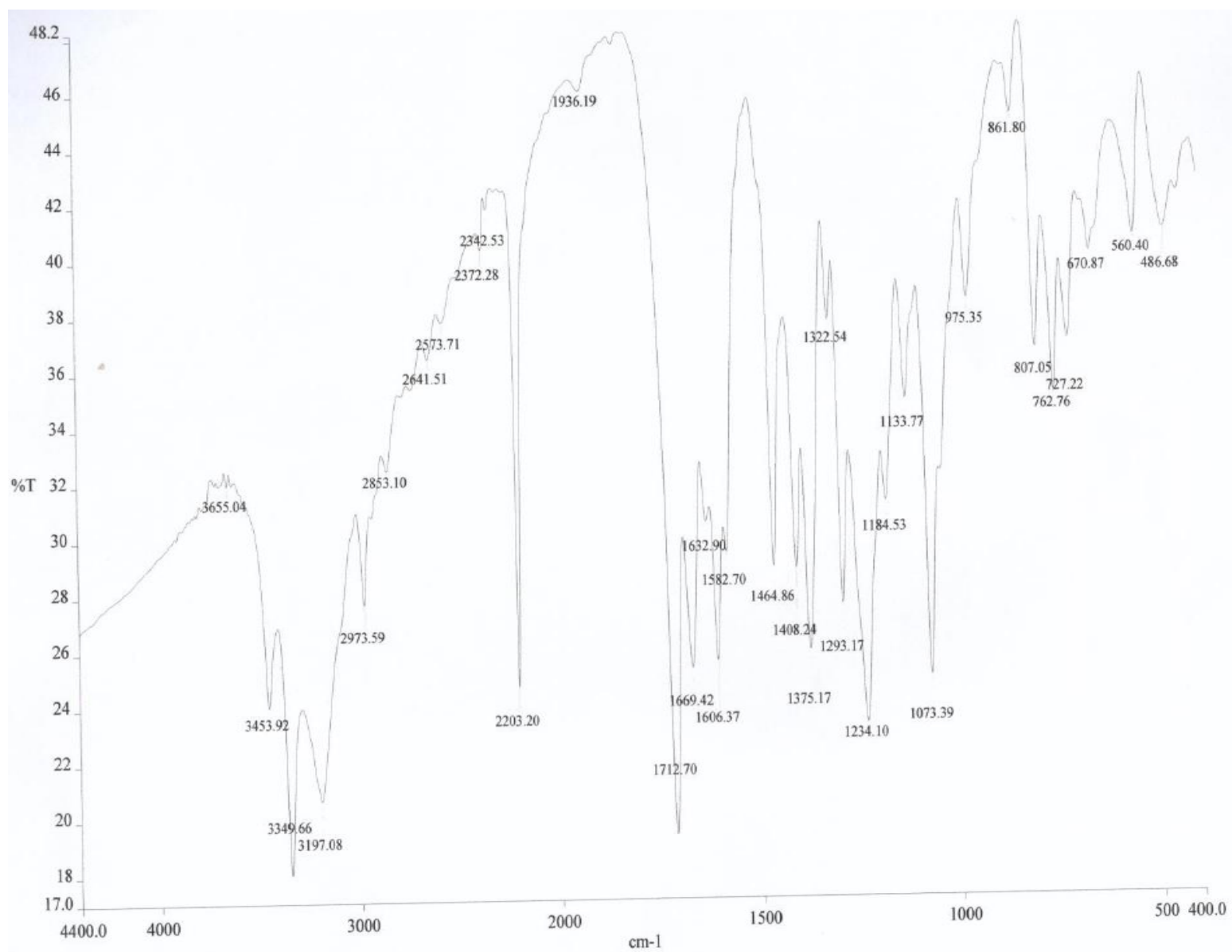


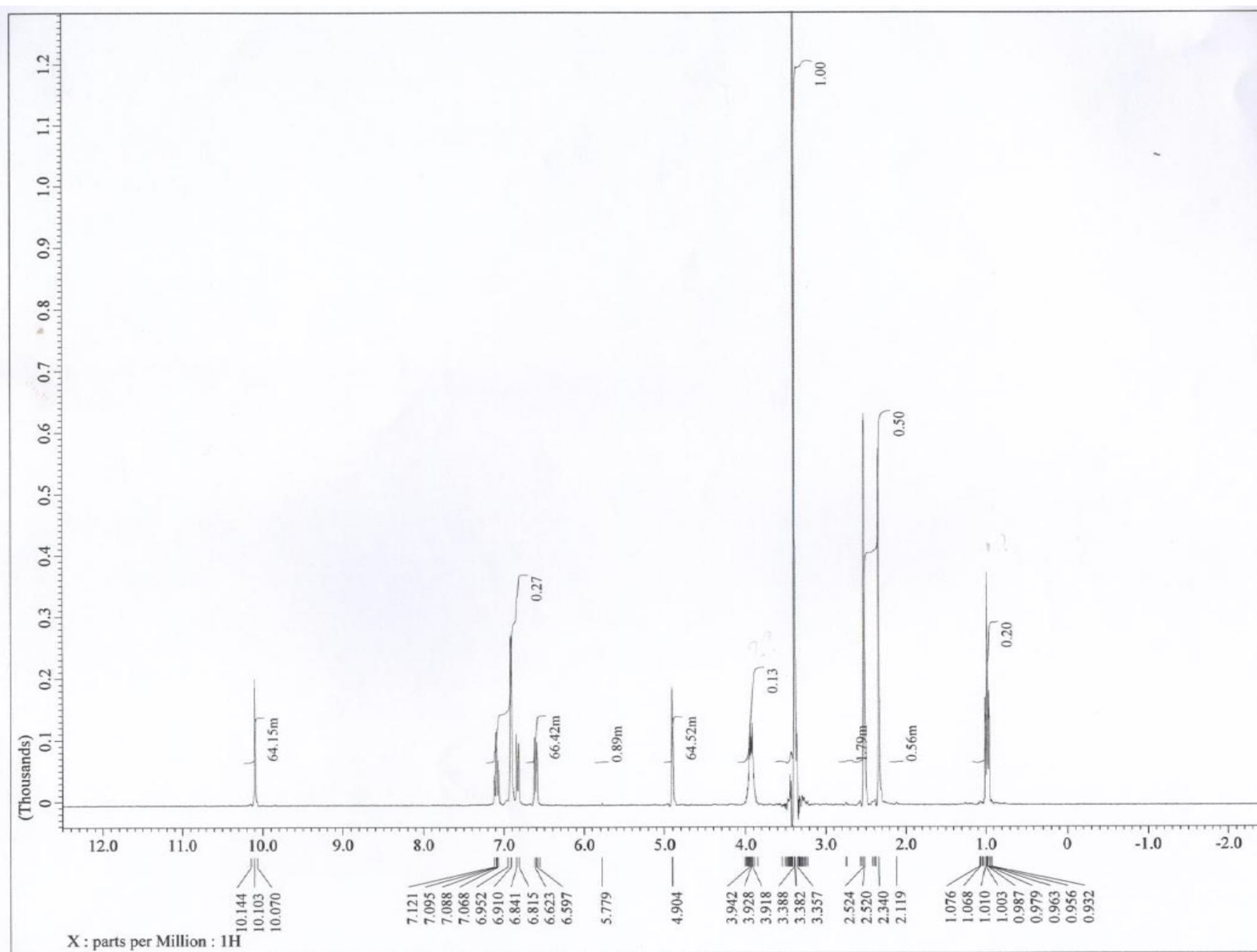
#	m/z	Abs. Int.	Rel. Int.	#	m/z	Abs. Int.	Rel. Int.	#	m/z	Abs. Int.	Rel. Int.
10	59.00	9838	0.69	79	128.05	12791	0.90	148	197.00	7390	0.52
11	60.00	5751	0.40	80	129.05	10260	0.72	149	198.00	6809	0.48
12	61.00	3999	0.28	81	130.05	7826	0.55	150	199.00	8866	0.62
13	62.05	7849	0.55	82	131.05	6852	0.48	151	200.00	9071	0.64
14	63.00	30351	2.13	83	132.05	4511	0.32	152	200.95	18001	1.27
15	64.05	19015	1.34	84	133.05	10013	0.70	153	202.00	5535	0.39
16	65.00	132002	9.29	85	134.05	22366	1.57	154	202.95	3402	0.24
17	66.00	43871	3.09	86	135.05	6895	0.48	155	204.00	3350	0.24
18	67.00	46948	3.30	87	136.05	1930	0.14	156	205.00	7159	0.50
19	68.00	6567	0.46	88	137.05	7909	0.56	157	205.95	8957	0.63
20	69.00	17145	1.21	89	138.05	3375	0.24	158	207.00	3775	0.27
21	70.10	3879	0.27	90	139.10	5937	0.42	159	208.00	6223	0.44
22	71.05	9579	0.67	91	140.05	9834	0.69	160	209.00	5322	0.37
23	72.05	1386	0.10	92	141.05	9763	0.69	161	210.00	7070	0.50
24	73.00	5844	0.41	93	142.05	6782	0.48	162	210.95	9656	0.68
25	74.05	4466	0.31	94	143.05	9266	0.65	163	212.00	8545	0.60
26	75.00	11596	0.82	95	144.05	7705	0.54	164	213.00	7340	0.52
27	76.05	14067	0.99	96	145.05	6114	0.43	165	214.00	6862	0.48
28	77.00	49249	3.46	97	146.05	4383	0.31	166	215.00	6857	0.48
29	78.05	17589	1.24	98	147.05	4356	0.31	167	216.00	4178	0.29
30	79.00	35305	2.48	99	148.05	2731	0.19	168	216.95	3626	0.26
31	80.05	5666	0.40	100	149.05	4816	0.34	169	218.00	3226	0.23
32	81.05	20700	1.46	101	150.05	2147	0.15	170	219.00	13375	0.94
33	82.05	4578	0.32	102	151.05	3737	0.26	171	220.05	3648	0.26
34	83.05	7561	0.53	103	152.05	7186	0.51	172	221.00	33553	2.36
35	84.05	4506	0.32	104	153.00	29868	2.10	173	222.00	8522	0.60
36	85.05	11348	0.80	105	154.00	10734	0.76	174	223.00	9566	0.67
37	86.00	2946	0.21	106	155.00	9927	0.70	175	224.00	7849	0.55
38	87.00	5764	0.41	107	156.00	8934	0.63	176	225.00	11353	0.80
39	88.00	10929	0.77	108	157.00	8858	0.62	177	225.95	12189	0.86
40	89.00	28300	1.99	109	158.00	17556	1.23	178	227.00	20292	1.43
41	90.05	42923	3.02	110	159.00	6710	0.47	179	228.00	10273	0.72
42	91.05	142165	100.00	111	160.05	3789	0.27	180	229.00	34004	2.39
43	92.05	115599	8.13	112	161.00	23513	1.65	181	229.95	8142	0.57
44	93.00	15351	1.08	113	162.00	6953	0.49	182	231.00	4401	0.31
45	94.05	4861	0.34	114	163.00	6225	0.44	183	232.00	2473	0.17
46	95.05	10198	0.72	115	164.05	6294	0.44	184	233.00	4874	0.34
47	96.10	5086	0.36	116	165.00	4503	0.32	185	234.00	7090	0.50
48	97.05	7006	0.49	117	166.00	3268	0.23	186	235.00	6638	0.47
49	98.05	4183	0.29	118	167.05	5055	0.36	187	236.00	8090	0.57
50	99.05	5111	0.36	119	168.00	32431	2.28	188	237.00	9415	0.66
51	100.00	7138	0.50	120	169.00	17681	1.24	189	238.00	7449	0.52
52	101.00	12394	0.87	121	170.00	8738	0.61	190	239.00	12734	0.90
53	102.05	12492	0.88	122	171.00	14490	1.02	191	240.00	17095	1.20
54	103.05	11579	0.81	123	172.00	9857	0.69	192	241.00	15052	1.06
55	104.10	6551	0.46	124	172.95	6898	0.49	193	242.00	11953	0.84
56	105.05	17530	1.23	125	174.00	4505	0.32	194	243.05	14401	1.01
57	106.05	10605	0.75	126	175.00	3559	0.25	195	244.00	47415	3.34
58	107.05	47321	3.33	127	176.00	2938	0.21	196	245.00	10012	0.70
59	108.05	11821	0.83	128	176.95	4984	0.35	197	246.00	3196	0.22
60	109.05	15308	1.08	129	178.00	6518	0.46	198	247.00	4297	0.30
61	110.05	7499	0.53	130	178.95	11311	0.80	199	248.00	6086	0.43
62	111.10	4602	0.32	131	180.00	11470	0.81	200	249.00	3834	0.27
63	112.10	2841	0.20	132	181.00	8881	0.62	201	250.05	1764	0.12
64	113.05	6273	0.44	133	182.00	9361	0.66	202	251.00	12260	0.86
65	114.05	9747	0.69	134	183.00	8583	0.60	203	252.00	8940	0.63
66	115.05	30877	2.17	135	184.00	8900	0.63	204	253.00	15105	1.06
67	116.05	13010	0.92	136	185.00	14049	0.99	205	254.00	14454	1.02
68	117.05	10187	0.72	137	185.95	13281	0.93	206	255.00	17394	1.22
69	118.05	5813	0.41	138	186.95	5783	0.41	207	256.00	11180	0.79
70	119.05	7000	0.49	139	187.95	4408	0.31	208	257.05	15801	1.11
71	120.05	3300	0.23	140	189.00	3599	0.25	209	258.05	13862	0.98
72	121.05	5157	0.36	141	190.00	3476	0.24	210	259.00	6529	0.46
73	122.05	4383	0.31	142	190.95	3311	0.23	211	260.05	2898	0.20
74	123.05	3499	0.25	143	192.00	3118	0.22	212	261.00	3342	0.24
75	124.05	2943	0.21	144	193.00	4743	0.33	213	262.05	2487	0.17
76	125.05	8581	0.60	145	194.00	4239	0.30	214	263.00	4575	0.32
77	126.05	5127	0.36	146	194.95	19524	1.37	215	264.00	2044	0.14
78	127.05	11877	0.84	147	196.00	8566	0.60	216	265.05	2354	0.17

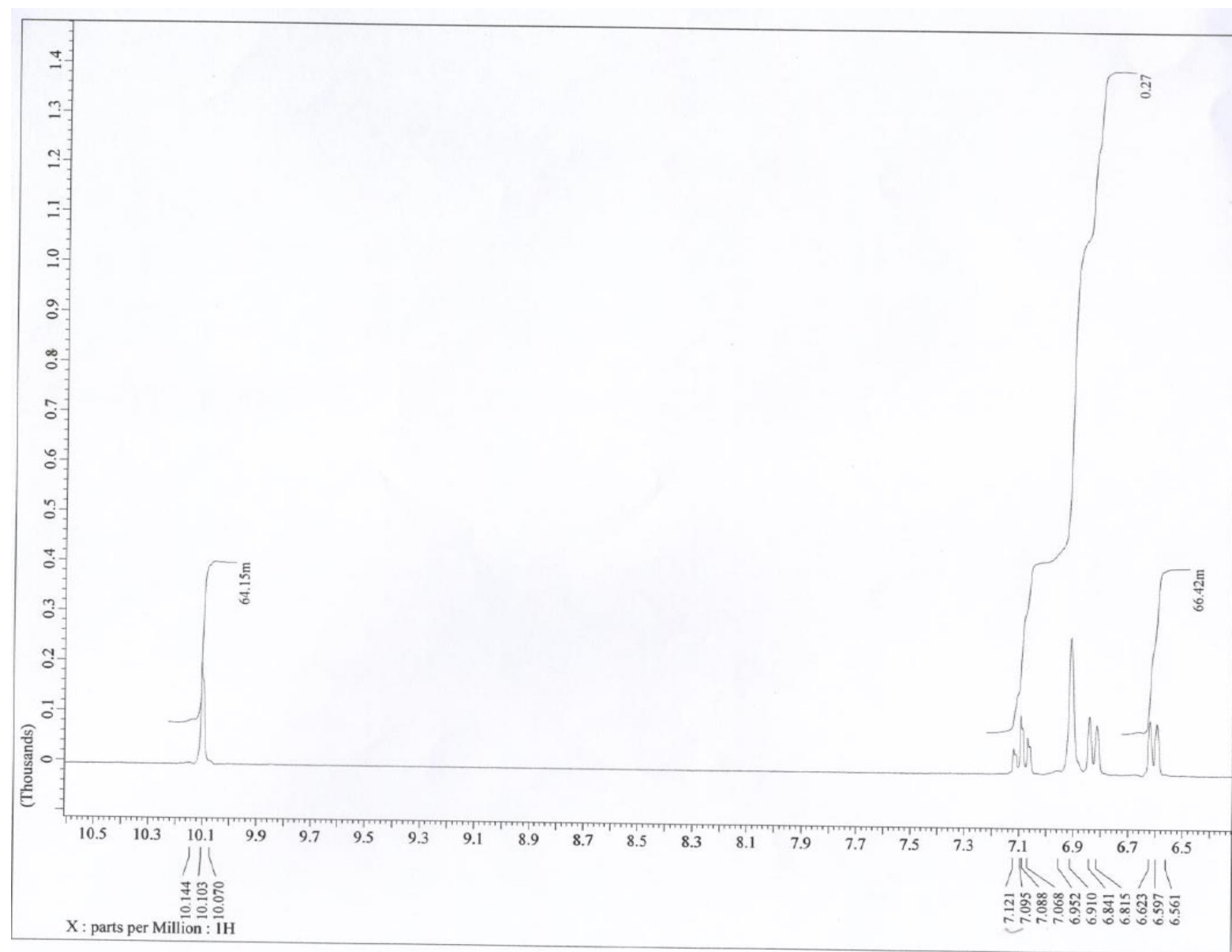
#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
217	266.00	3460	0.24	240	295.05	3289	0.23	263	330.00	5634	0.40
218	267.00	8970	0.63	241	296.00	32490	2.29	264	331.00	1713	0.12
219	268.05	16966	1.19	242	297.00	30666	2.16	265	339.00	4470	0.31
220	269.05	137905	9.70	243	297.95	8769	0.62	266	340.00	1302	0.09
221	270.00	42678	3.00	244	299.00	8458	0.59	267	344.05	9200	0.65
222	271.00	18372	1.29	245	300.05	14387	1.01	268	345.00	514161	36.17
223	272.00	7065	0.50	246	301.05	50508	3.55	269	346.00	102474	7.21
224	273.05	2592	0.18	247	302.00	15559	1.09	270	347.00	16686	1.17
225	274.00	1354	0.10	248	303.00	4839	0.34	271	348.00	2228	0.16
226	275.05	1805	0.13	249	304.00	1046	0.07	272	353.05	1021	0.07
227	276.05	1501	0.11	250	309.00	2014	0.14	273	369.05	1405	0.10
228	278.05	1275	0.09	251	310.00	2156	0.15	274	370.00	24138	1.70
229	279.00	10719	0.75	252	311.00	5385	0.38	275	371.00	6089	0.43
230	280.00	2969	0.21	253	312.00	6778	0.48	276	372.00	1364	0.10
231	281.00	5566	0.39	254	313.00	8745	0.62	277	393.00	1713	0.12
232	282.00	4290	0.30	255	314.00	3364	0.24	278	405.00	3318	0.23
233	283.05	8215	0.58	256	315.00	3092	0.22	279	421.00	1383	0.10
234	284.00	78078	5.49	257	316.00	1194	0.08	280	435.05	8309	0.58
235	285.00	69441	4.88	258	317.00	1308	0.09	281	436.05	353768	24.88
236	286.00	17247	1.21	259	326.05	1388	0.10	282	437.05	99249	6.98
237	287.00	7780	0.55	260	327.00	29538	2.08	283	438.05	17851	1.26
238	288.00	2799	0.20	261	328.00	27198	1.91	284	439.05	2519	0.18
239	293.95	3144	0.22	262	329.00	12684	0.89				

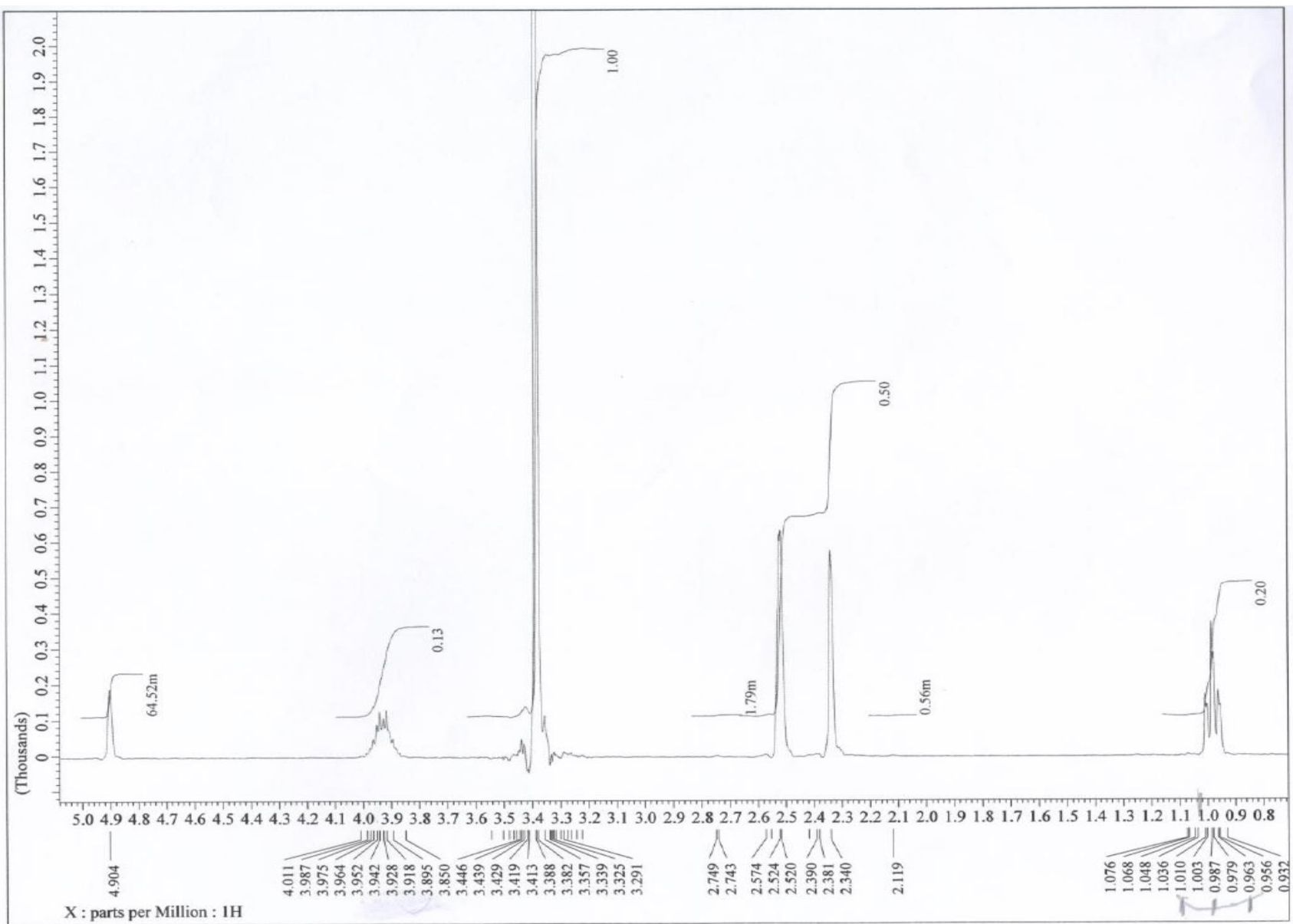


**Compound 4g**

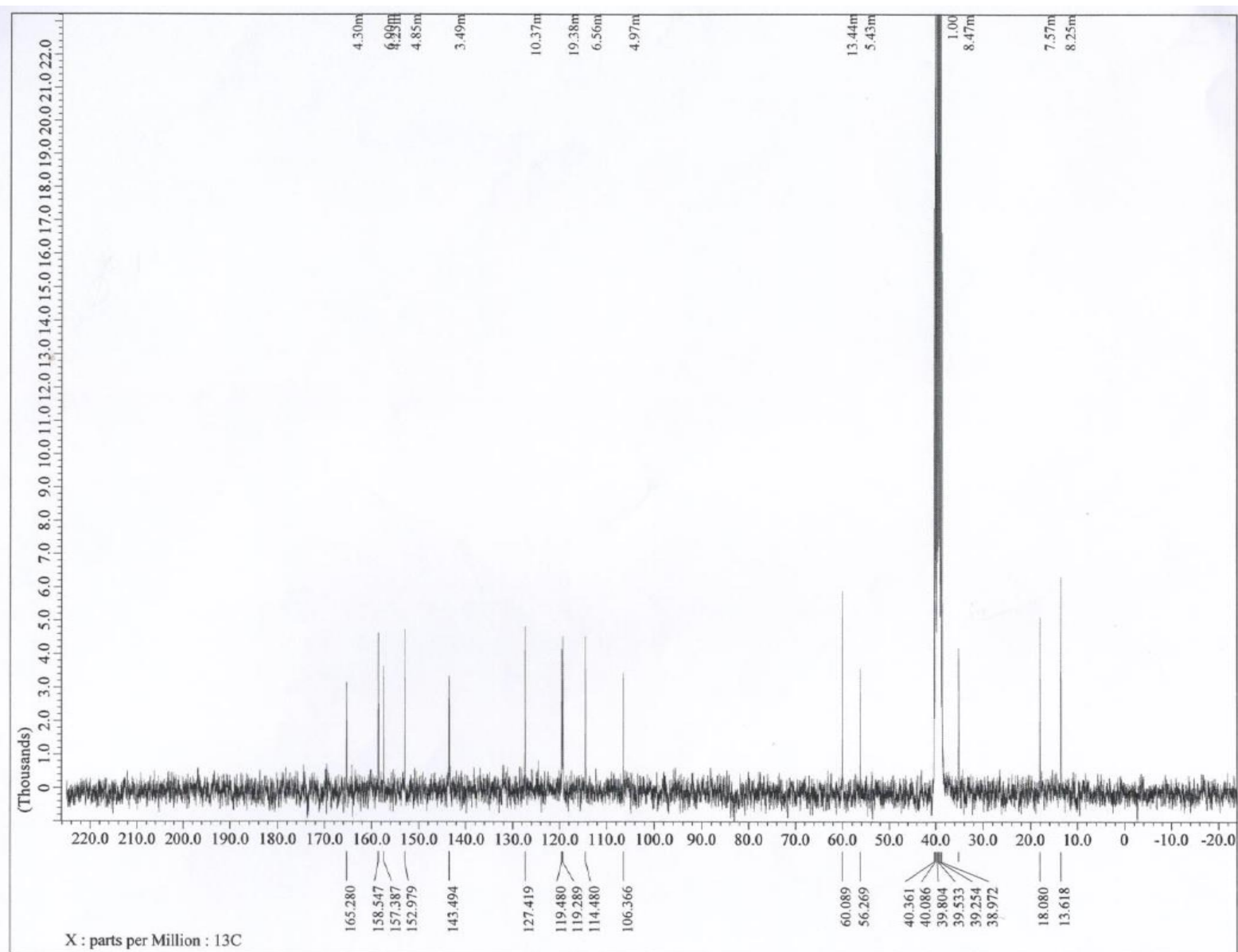




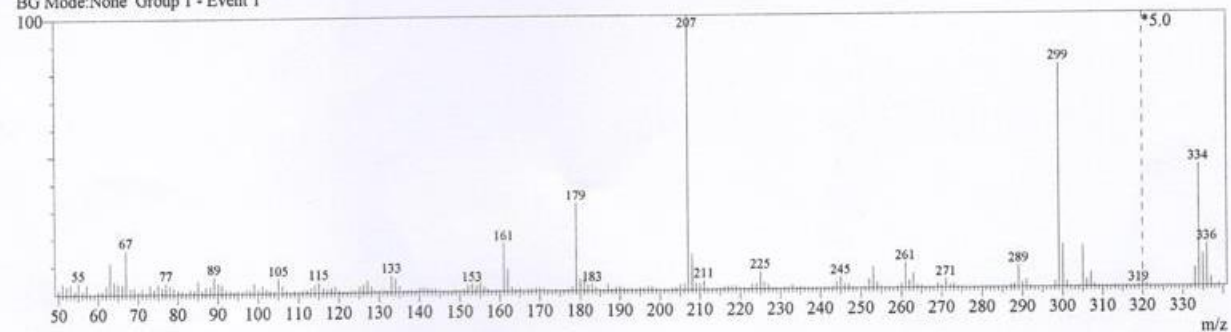








Line#:1 R.Time:2.3(Scan#:272)  
 MassPeaks:260  
 RawMode:Single 2.3(272) BasePeak:207(829071)  
 BG Mode:None Group 1 - Event 1



#### Mass Table

Line#:1 R.Time:2.3(Scan#:272)

MassPeaks:260

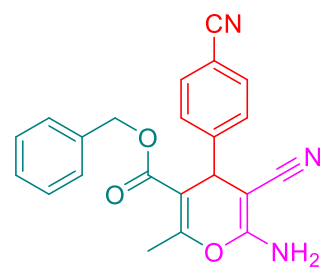
RawMode:Single 2.3(272) BasePeak:207(829071)

BG Mode:None Group 1 - Event 1

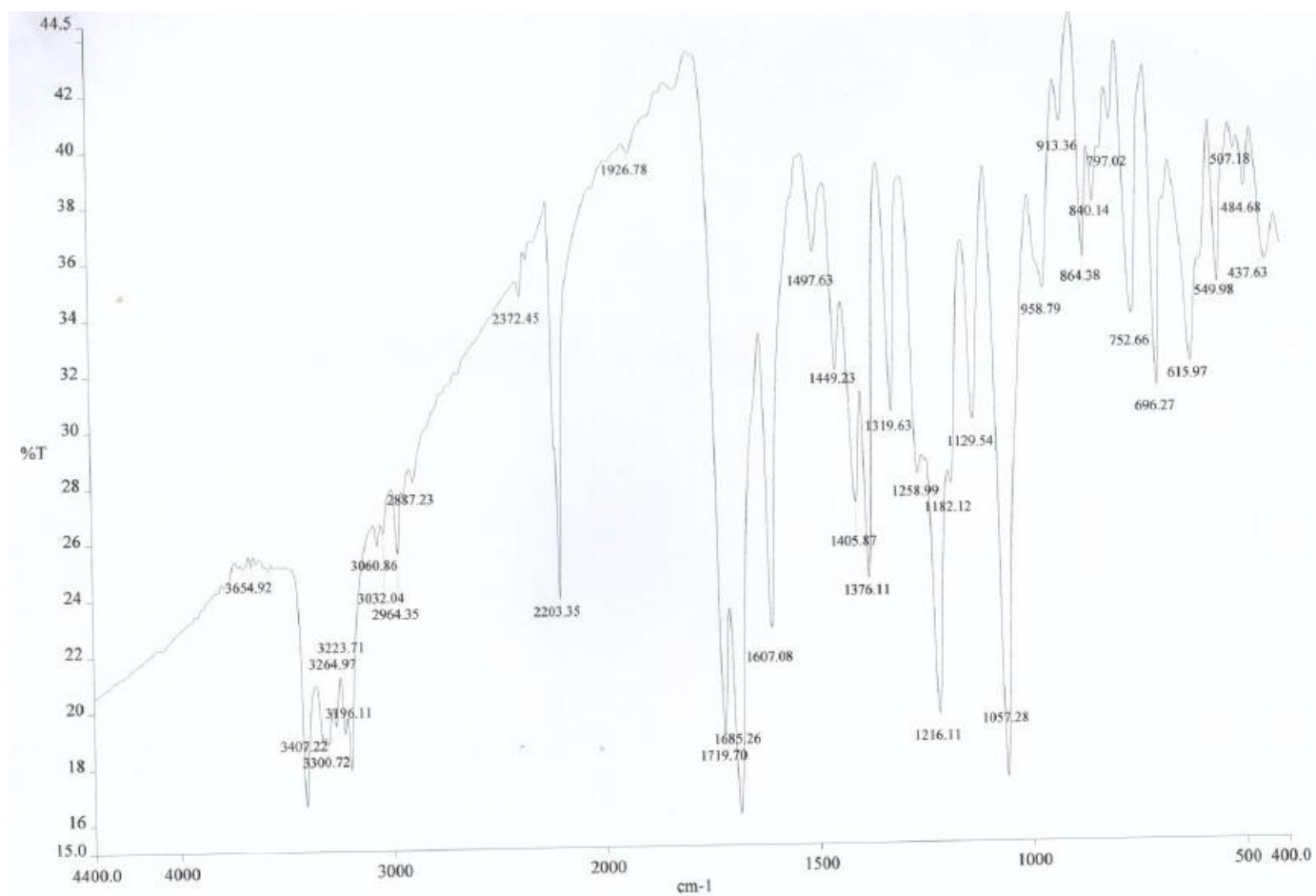
#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	12580	1.52	4	53.00	29759	3.59	7	56.05	9031	1.09
2	51.00	33724	4.07	5	54.05	10162	1.23	8	57.05	29743	3.59
3	52.00	23404	2.82	6	55.00	34367	4.15	9	58.00	3162	0.38

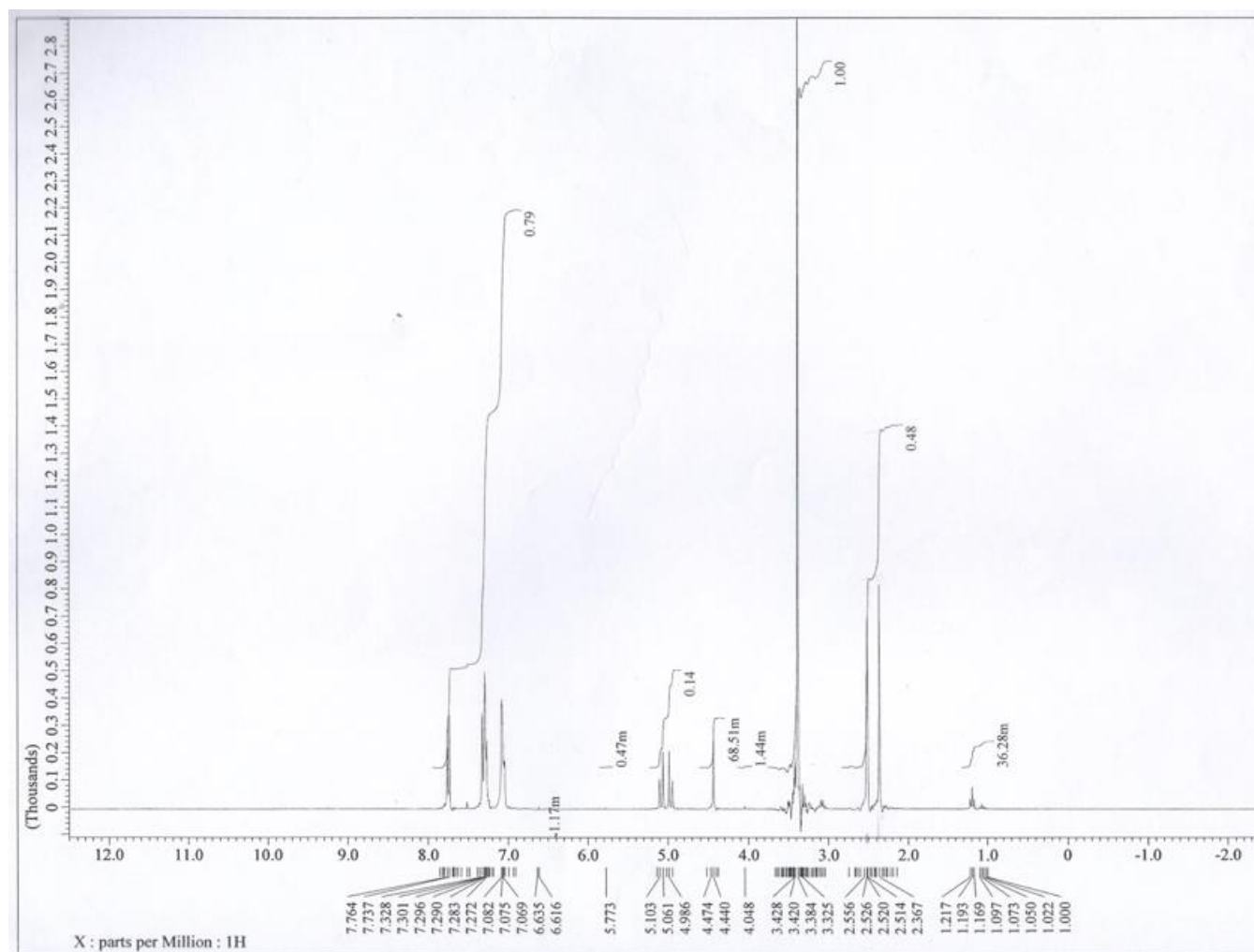
#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
10	59.05	2863	0.35	79	128.05	19073	2.30	148	197.00	11108	1.34
11	60.00	8386	1.01	80	129.10	8734	1.05	149	198.00	10428	1.26
12	61.00	8942	1.08	81	130.10	5212	0.63	150	199.00	5889	0.71
13	62.05	27374	3.30	82	131.10	8001	0.97	151	200.00	2922	0.35
14	63.00	94250	11.37	83	132.15	5269	0.64	152	201.00	1548	0.19
15	64.00	38694	4.67	84	133.05	49712	6.00	153	201.95	1380	0.17
16	65.00	31215	3.77	85	134.05	40595	4.90	154	202.95	2363	0.29
17	66.05	28561	3.44	86	135.05	17741	2.14	155	203.95	5686	0.69
18	67.00	131818	15.90	87	136.05	3767	0.45	156	205.00	15412	1.86
19	68.00	17562	2.12	88	137.10	6034	0.73	157	206.05	18398	2.22
20	69.05	20440	2.47	89	138.05	5305	0.64	158	207.00	829071	100.00
21	70.10	7735	0.93	90	139.10	5959	0.72	159	208.00	107722	12.99
22	71.05	17431	2.10	91	140.10	10678	1.29	160	209.00	20894	2.52
23	72.05	4835	0.58	92	141.05	12409	1.50	161	210.00	18066	2.18
24	73.00	27729	3.34	93	142.05	10379	1.25	162	211.00	26886	3.24
25	74.05	13503	1.63	94	143.05	9690	1.17	163	212.00	5946	0.72
26	75.00	30618	3.69	95	144.05	8765	1.06	164	213.05	2958	0.36
27	76.00	18294	2.21	96	145.00	4306	0.52	165	214.00	2623	0.32
28	77.05	32208	3.88	97	146.05	1908	0.23	166	215.00	2566	0.31
29	78.05	24872	3.00	98	147.05	2583	0.31	167	216.00	9060	1.09
30	79.05	16936	2.04	99	148.05	1754	0.21	168	216.95	9676	1.17
31	80.05	11704	1.41	100	149.05	6442	0.78	169	217.95	11269	1.36
32	81.05	9232	1.11	101	150.05	4402	0.53	170	218.95	10955	1.32
33	82.05	5326	0.64	102	151.05	6386	0.77	171	219.95	5979	0.72
34	83.05	12337	1.49	103	152.05	18824	2.27	172	220.95	4932	0.59
35	84.05	11628	1.40	104	153.00	21012	2.53	173	222.05	2509	0.30
36	85.05	40152	4.84	105	154.05	17632	2.13	174	222.95	14558	1.76
37	86.05	8478	1.02	106	155.00	24708	2.98	175	224.00	15655	1.89
38	87.00	19516	2.35	107	156.05	13714	1.65	176	225.00	52988	6.39
39	88.05	21425	2.58	108	157.00	7137	0.86	177	226.00	20084	2.42
40	89.05	50056	6.04	109	158.00	2940	0.35	178	227.00	12911	1.56
41	90.05	31307	3.78	110	159.05	4587	0.55	179	228.00	5697	0.69
42	91.00	25719	3.10	111	160.05	5888	0.71	180	229.05	3765	0.45
43	92.00	10838	1.31	112	161.00	143836	17.35	181	230.00	2223	0.27
44	93.05	10631	1.28	113	162.00	66228	7.99	182	231.00	4532	0.55
45	94.05	6146	0.74	114	163.00	13100	1.58	183	232.00	5716	0.69
46	95.05	8862	1.07	115	164.00	5783	0.70	184	233.00	12332	1.49
47	96.10	5182	0.63	116	165.00	7846	0.95	185	234.00	5188	0.63
48	97.05	13338	1.61	117	166.00	3385	0.41	186	235.00	6452	0.78
49	98.05	11249	1.36	118	167.00	4910	0.59	187	236.00	4726	0.57
50	99.00	30553	3.69	119	168.00	4959	0.60	188	237.00	4006	0.48
51	100.00	13305	1.60	120	169.00	9634	1.16	189	238.00	3158	0.38
52	101.05	22182	2.68	121	170.00	8362	1.01	190	239.10	3007	0.36
53	102.05	13774	1.66	122	171.00	7404	0.89	191	240.05	1077	0.13
54	103.05	8349	1.01	123	172.00	2743	0.33	192	241.05	3251	0.39
55	104.15	6637	0.80	124	173.00	1574	0.19	193	242.00	2473	0.30
56	105.05	44148	5.32	125	174.00	1649	0.20	194	243.05	4589	0.55
57	106.05	22447	2.71	126	175.00	1281	0.15	195	244.00	19236	2.32
58	107.10	8095	0.98	127	175.95	2446	0.30	196	244.95	33614	4.05
59	108.10	3945	0.48	128	177.00	5031	0.61	197	245.95	13294	1.60
60	109.05	6182	0.75	129	178.05	12054	1.45	198	246.95	13617	1.64
61	110.10	3652	0.44	130	179.00	264796	31.94	199	247.95	3886	0.47
62	111.10	8871	1.07	131	180.00	35361	4.27	200	249.00	1802	0.22
63	112.10	8394	1.01	132	180.95	27130	3.27	201	250.05	1224	0.15
64	113.10	14161	1.71	133	182.00	17897	2.16	202	251.05	3528	0.43
65	114.05	24038	2.90	134	183.00	18804	2.27	203	252.05	26603	3.21
66	115.05	31440	3.79	135	184.00	9423	1.14	204	253.05	64215	7.75
67	116.10	13782	1.66	136	185.05	4240	0.51	205	254.00	17753	2.14
68	117.05	10933	1.32	137	186.05	2261	0.27	206	255.05	6527	0.79
69	118.05	13935	1.68	138	187.00	18617	2.25	207	256.10	2382	0.29
70	119.05	18896	2.28	139	188.00	4212	0.51	208	257.15	1635	0.20
71	120.05	6139	0.74	140	189.00	7991	0.96	209	259.05	4490	0.54
72	121.05	3567	0.43	141	189.95	11751	1.42	210	260.05	12926	1.56
73	122.05	3226	0.39	142	190.95	7259	0.88	211	261.00	75047	9.05
74	123.05	8580	1.03	143	191.95	4851	0.59	212	262.00	21842	2.63
75	124.10	6342	0.76	144	192.95	5132	0.62	213	263.00	42406	5.11
76	125.05	16775	2.02	145	194.00	2793	0.34	214	264.00	8638	1.04
77	126.05	23831	2.87	146	195.00	7830	0.94	215	265.00	8282	1.00
78	127.05	36347	4.38	147	196.00	5244	0.63	216	266.05	1521	0.18

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
217	267.10	1950	0.24	232	288.05	9723	1.17	247	306.00	21266	2.57
218	268.05	1082	0.13	233	289.00	65234	7.87	248	307.00	42828	5.17
219	269.05	12588	1.52	234	290.00	13959	1.68	249	307.95	7615	0.92
220	270.00	6604	0.80	235	291.00	22985	2.77	250	309.00	1396	0.17
221	271.05	25605	3.09	236	292.00	4551	0.55	251	313.15	1467	0.18
222	272.05	7911	0.95	237	293.00	1378	0.17	252	319.00	3914	0.47
223	273.00	12353	1.49	238	295.00	1078	0.13	253	320.00	1220	0.15
224	274.00	2879	0.35	239	297.10	2825	0.34	254	321.00	1476	0.18
225	275.00	3996	0.48	240	298.15	18117	2.19	255	333.05	10997	1.33
226	276.00	1252	0.15	241	299.10	676655	81.62	256	334.00	74137	8.94
227	280.00	1262	0.15	242	300.05	127443	15.37	257	335.00	19362	2.34
228	281.05	1120	0.14	243	301.05	17116	2.06	258	336.00	25348	3.06
229	282.05	1216	0.15	244	302.05	2077	0.25	259	337.00	5242	0.63
230	285.10	1295	0.16	245	304.05	1926	0.23	260	338.95	1472	0.18
231	287.00	8543	1.03	246	305.00	123962	14.95				

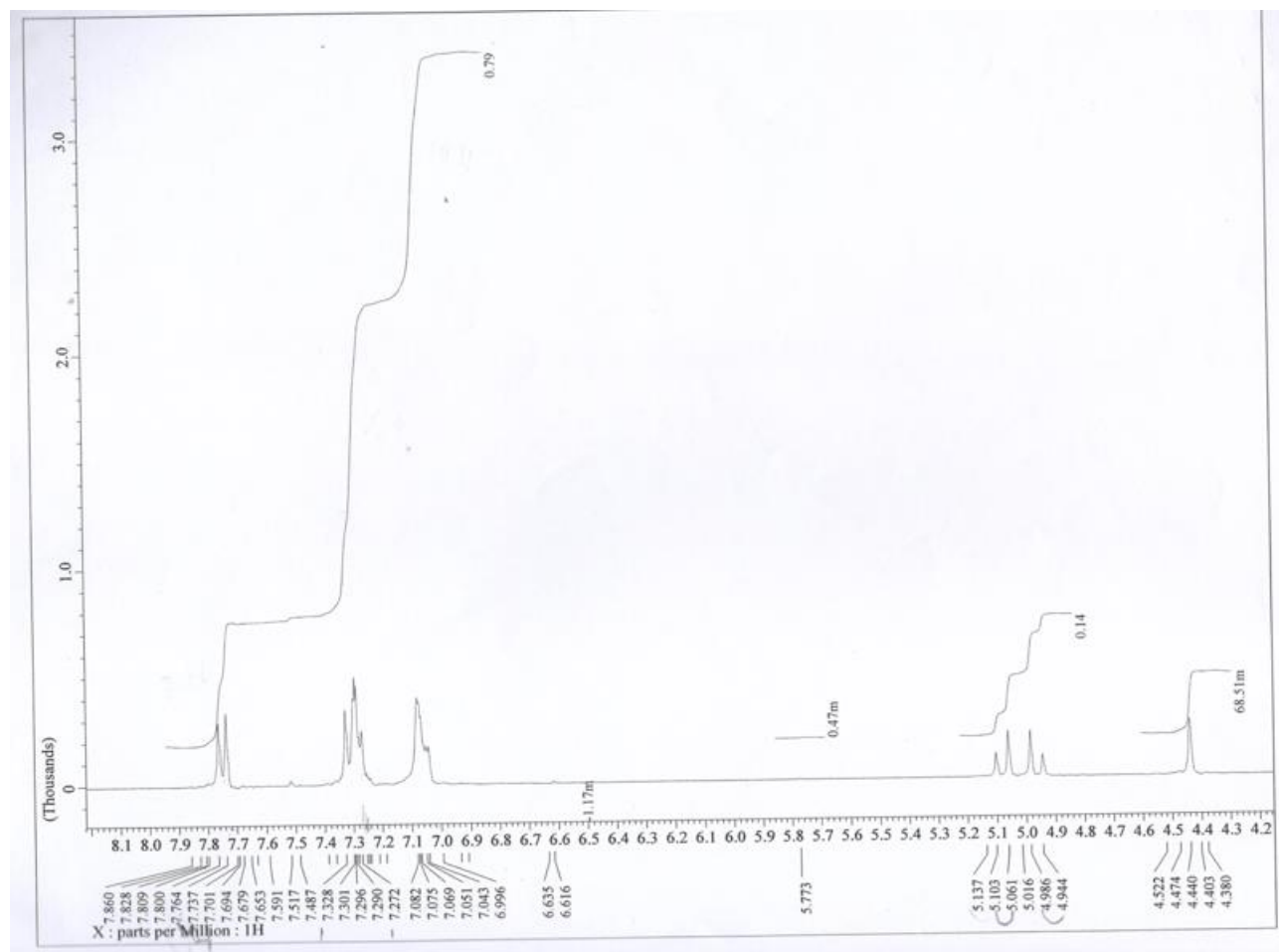


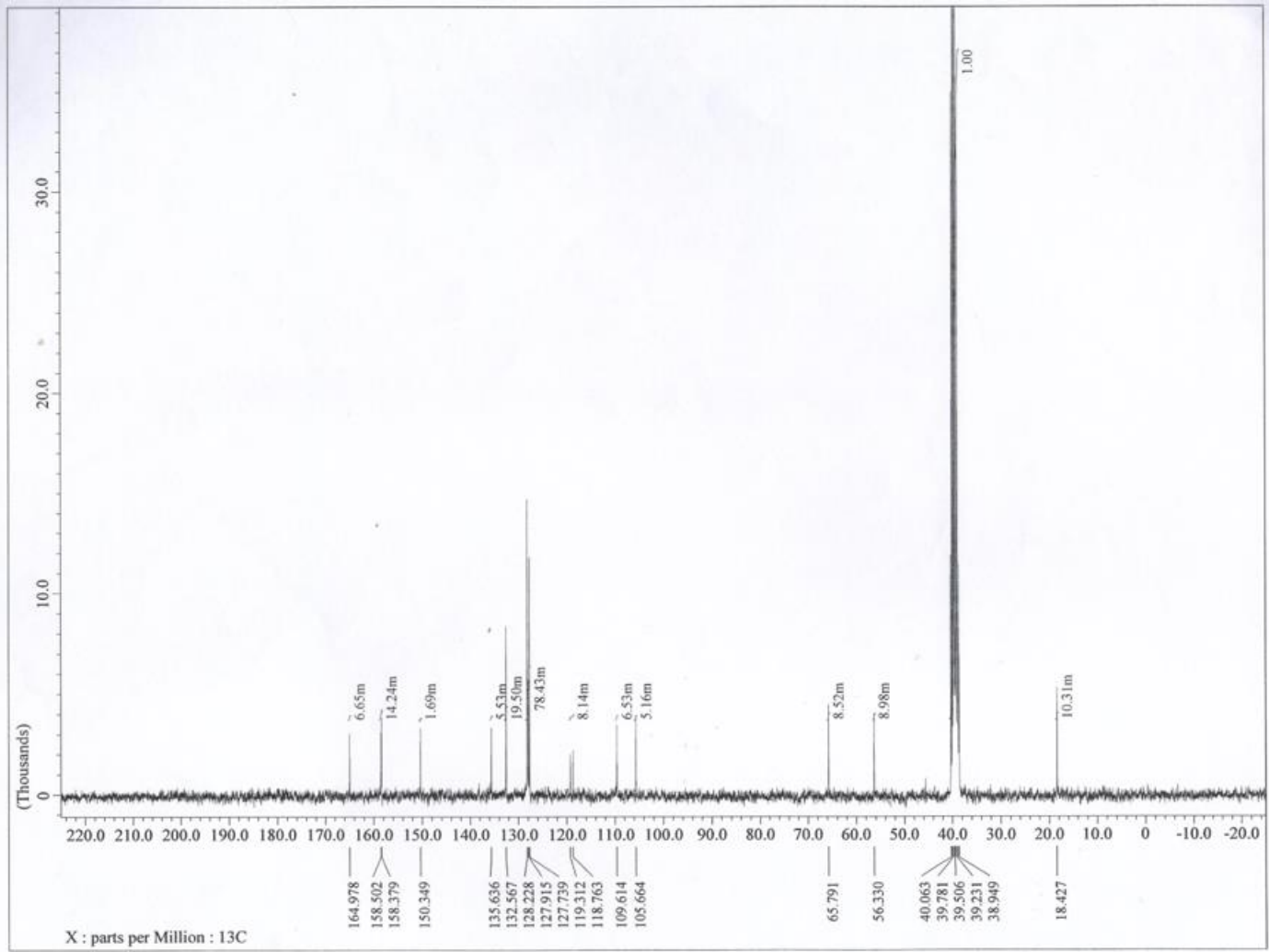
**Compound 4k**









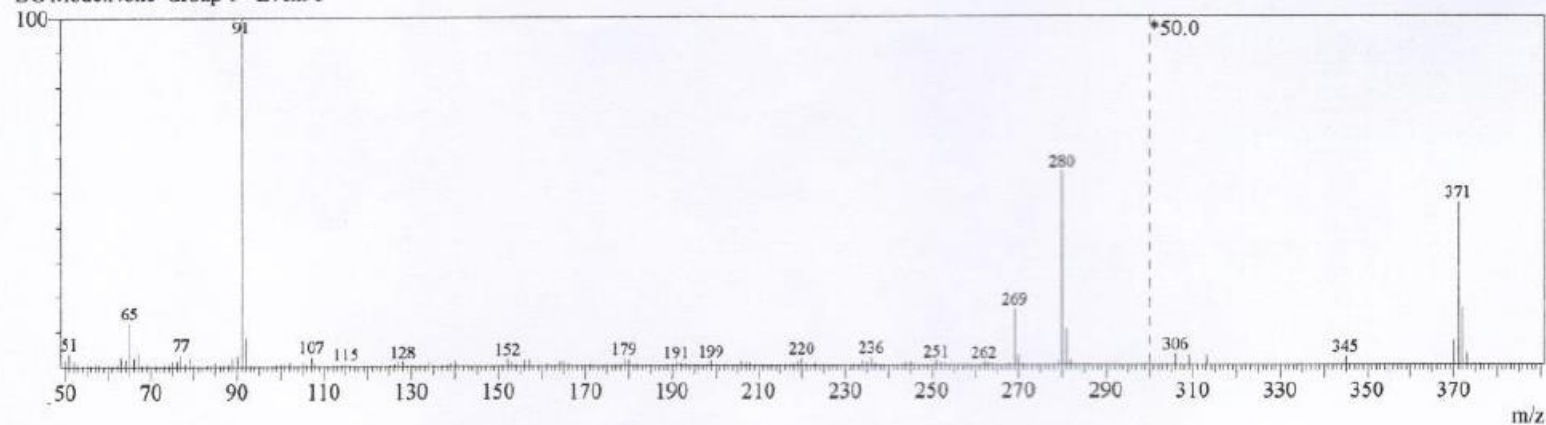


Line#:1 R.Time:3.1(Scan#:371)

MassPeaks:228

RawMode:Single 3.1(371) BasePeak:91(2478377)

BG Mode:None Group 1 - Event 1



#### Mass Table

Line#:1 R.Time:3.1(Scan#:371)

MassPeaks:228

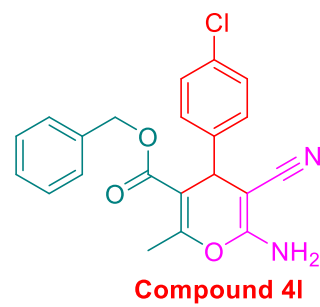
RawMode:Single 3.1(371) BasePeak:91(2478377)

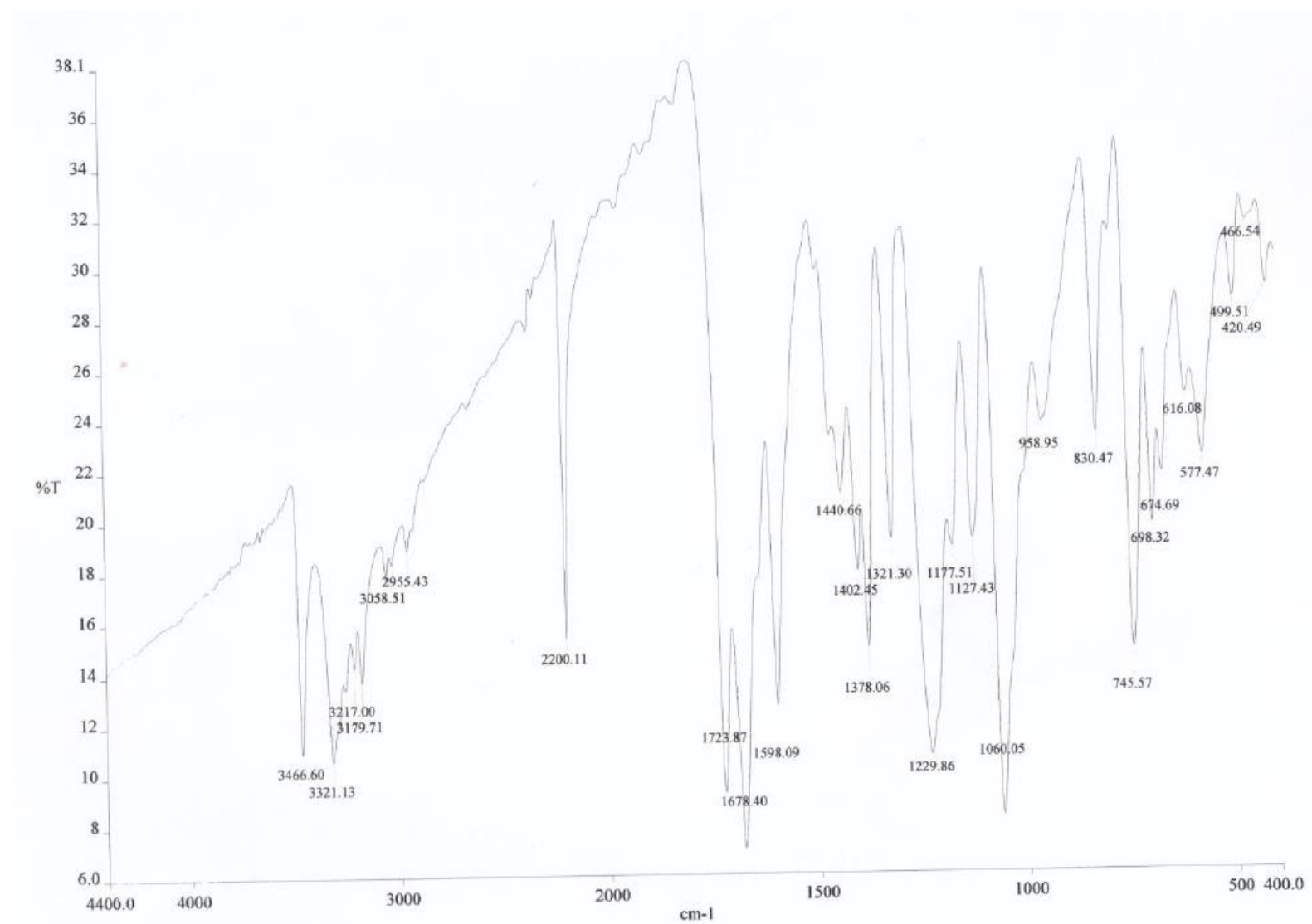
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	38130	1.54	4	53.00	16158	0.65	7	56.05	7191	0.29
2	51.00	90305	3.64	5	54.05	7095	0.29	8	57.05	22025	0.89
3	52.00	35161	1.42	6	55.00	24422	0.99	9	58.00	13943	0.56

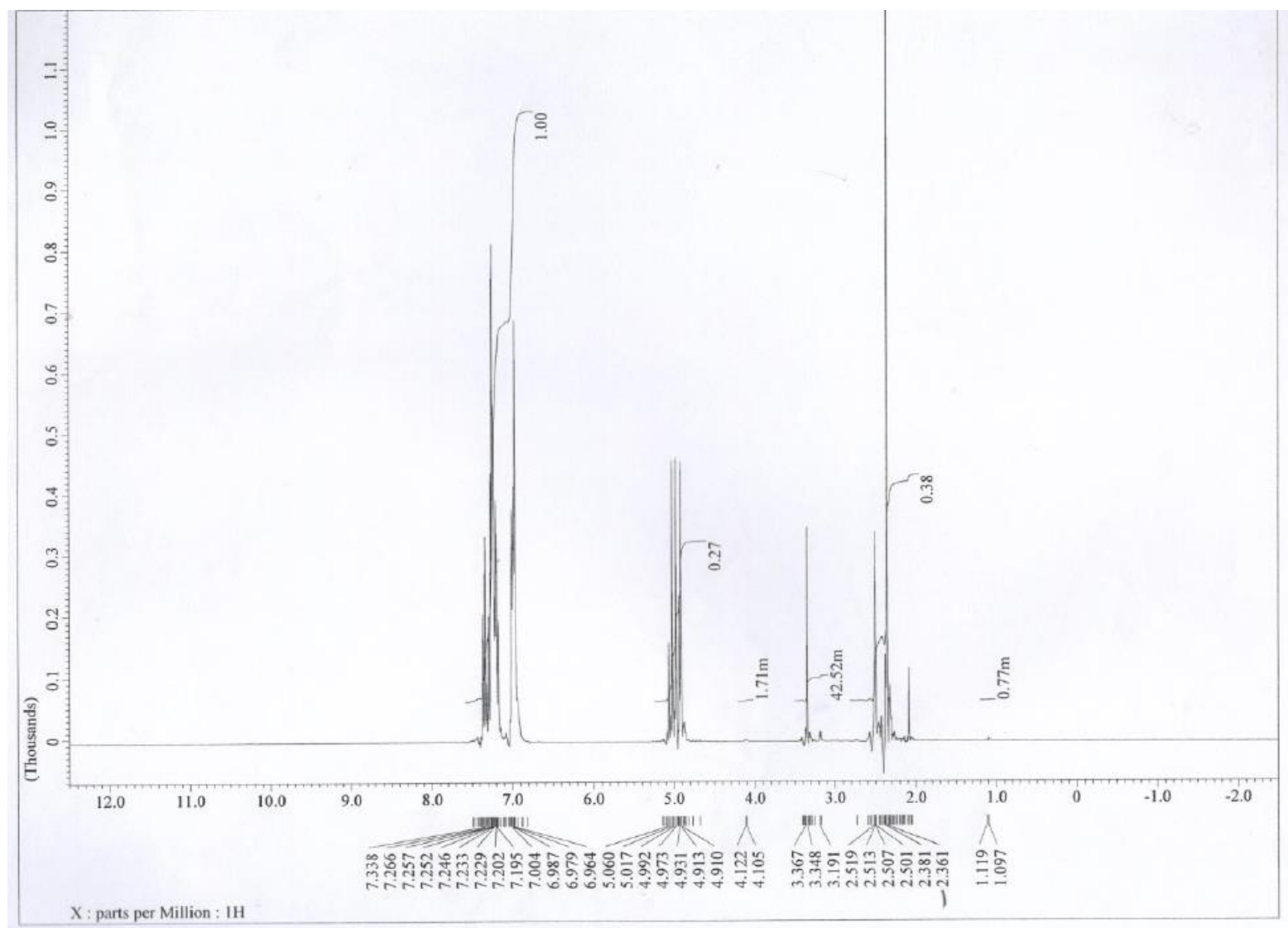
#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
10	59.05	4233	0.17	79	128.05	29855	1.20	148	201.95	1549	0.06
11	60.00	9758	0.39	80	129.05	10865	0.44	149	203.00	1817	0.07
12	61.00	7762	0.31	81	130.05	5436	0.22	150	203.95	1597	0.06
13	62.05	17523	0.71	82	131.10	3289	0.13	151	205.05	2664	0.11
14	63.00	62614	2.53	83	132.10	2337	0.09	152	205.95	27356	1.10
15	64.05	40950	1.65	84	133.15	5656	0.23	153	206.95	19789	0.80
16	65.00	305596	12.33	85	134.05	24770	1.00	154	208.00	15678	0.63
17	66.00	56799	2.29	86	135.05	5552	0.22	155	209.00	4775	0.19
18	67.00	95281	3.84	87	136.05	1429	0.06	156	209.95	2530	0.10
19	68.00	11681	0.47	88	137.05	4179	0.17	157	211.00	1478	0.06
20	69.05	14357	0.58	89	138.05	10194	0.41	158	213.05	1632	0.07
21	70.05	4874	0.20	90	139.05	12782	0.52	159	214.05	1195	0.05
22	71.05	11128	0.45	91	140.05	27854	1.12	160	215.05	1061	0.04
23	72.05	1399	0.06	92	141.05	7218	0.29	161	216.00	5073	0.20
24	73.00	10897	0.44	93	142.05	3749	0.15	162	217.00	5772	0.23
25	74.00	14236	0.57	94	143.05	2910	0.12	163	217.95	4473	0.18
26	75.00	34425	1.39	95	144.05	1102	0.04	164	218.95	23479	0.95
27	76.00	32572	1.31	96	145.05	1339	0.05	165	219.95	51019	2.06
28	77.00	82271	3.32	97	146.05	1086	0.04	166	220.95	10480	0.42
29	78.05	20835	0.84	98	147.10	1241	0.05	167	221.95	3876	0.16
30	79.05	60329	2.43	99	149.05	3989	0.16	168	223.00	12751	0.51
31	80.05	7529	0.30	100	150.00	3198	0.13	169	224.00	3842	0.16
32	81.05	5811	0.23	101	151.05	6733	0.27	170	225.00	2286	0.09
33	82.10	3534	0.14	102	152.00	46681	1.88	171	226.00	1322	0.05
34	83.05	9279	0.37	103	153.00	25350	1.02	172	227.05	1761	0.07
35	84.05	7153	0.29	104	154.00	12154	0.49	173	228.05	1101	0.04
36	85.05	21024	0.85	105	155.05	6175	0.25	174	229.95	1398	0.06
37	86.00	5239	0.21	106	156.00	35439	1.43	175	233.05	2348	0.09
38	87.00	10204	0.41	107	157.00	42956	1.73	176	233.95	29689	1.20
39	88.05	13110	0.53	108	158.00	5332	0.22	177	235.00	18716	0.76
40	89.00	56270	2.27	109	159.00	1391	0.06	178	236.00	56961	2.30
41	90.05	78869	3.18	110	160.05	1647	0.07	179	237.00	12006	0.48
42	91.05	247837	100.00	111	161.00	13318	0.54	180	238.00	3306	0.13
43	92.05	196570	7.93	112	161.95	3669	0.15	181	239.10	2175	0.09
44	93.05	9655	0.39	113	163.05	5730	0.23	182	240.00	1322	0.05
45	94.05	2433	0.10	114	164.00	29070	1.17	183	241.05	1253	0.05
46	95.05	5393	0.22	115	165.00	26647	1.08	184	242.05	1037	0.04
47	96.10	3441	0.14	116	166.00	16962	0.68	185	243.95	16032	0.65
48	97.05	9011	0.36	117	167.00	6946	0.28	186	244.95	20742	0.84
49	98.05	6367	0.26	118	168.00	5490	0.22	187	245.95	4612	0.19
50	99.05	11988	0.48	119	169.00	3638	0.15	188	247.00	1407	0.06
51	100.00	14945	0.60	120	170.00	6746	0.27	189	248.00	1623	0.07
52	101.05	22215	0.90	121	171.00	10634	0.43	190	250.05	1394	0.06
53	102.00	25727	1.04	122	172.00	8382	0.34	191	251.00	28382	1.15
54	103.00	9177	0.37	123	173.00	1846	0.07	192	252.00	15634	0.63
55	104.05	4460	0.18	124	173.95	2095	0.08	193	253.00	13044	0.53
56	105.05	21782	0.88	125	176.00	1689	0.07	194	254.00	3794	0.15
57	106.05	11044	0.45	126	177.00	4382	0.18	195	255.05	1909	0.08
58	107.05	67138	2.71	127	178.00	10804	0.44	196	256.05	1701	0.07
59	108.05	18537	0.75	128	178.95	49979	2.02	197	257.05	1575	0.06
60	109.10	4534	0.18	129	180.00	40721	1.64	198	258.00	2345	0.09
61	110.10	2249	0.09	130	181.00	11193	0.45	199	261.05	1215	0.05
62	111.05	5369	0.22	131	182.00	10972	0.44	200	262.00	20161	0.81
63	112.10	5215	0.21	132	183.00	2996	0.12	201	263.00	15046	0.61
64	113.05	9334	0.38	133	183.95	3077	0.12	202	264.00	9580	0.39
65	114.05	7866	0.32	134	185.00	2079	0.08	203	265.00	2270	0.09
66	115.05	14255	0.58	135	189.00	4969	0.20	204	266.00	1180	0.05
67	116.05	8264	0.33	136	190.00	5022	0.20	205	267.05	1366	0.06
68	117.10	4252	0.17	137	190.95	25489	1.03	206	268.05	6182	0.25
69	118.05	3426	0.14	138	191.95	16486	0.67	207	269.05	396493	16.00
70	119.05	3367	0.14	139	193.00	14302	0.58	208	270.00	70511	2.85
71	120.05	1690	0.07	140	193.95	6698	0.27	209	271.00	9028	0.36
72	121.05	2251	0.09	141	195.00	5281	0.21	210	272.00	1658	0.07
73	122.05	2445	0.10	142	195.95	2918	0.12	211	278.05	2796	0.11
74	123.05	2798	0.11	143	197.05	1444	0.06	212	279.05	23573	0.95
75	124.05	4566	0.18	144	198.05	5118	0.21	213	280.00	137926	55.65
76	125.05	9431	0.38	145	198.95	31053	1.25	214	281.00	255044	10.29
77	126.05	13440	0.54	146	199.95	4537	0.18	215	281.95	32319	1.30
78	127.05	26923	1.09	147	201.00	1226	0.05	216	283.00	3695	0.15

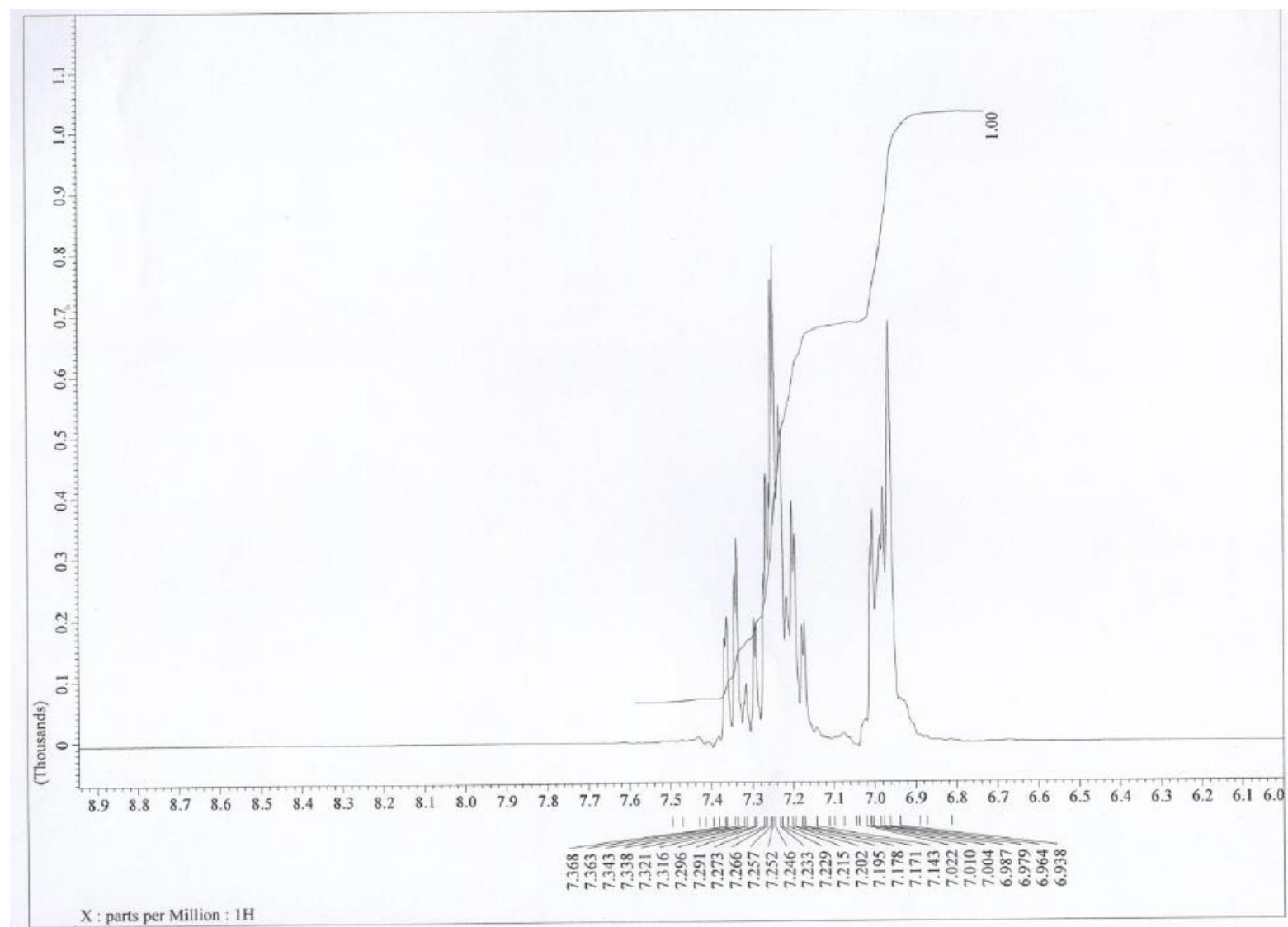
#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
217	284.05	1154	0.05	221	306.00	1534	0.06	225	370.05	3319	0.13
218	285.05	2987	0.12	222	309.00	1404	0.06	226	371.00	23178	0.94
219	286.05	1456	0.06	223	313.15	1359	0.05	227	372.00	8198	0.33
220	287.00	1079	0.04	224	345.00	1164	0.05	228	373.05	1594	0.06



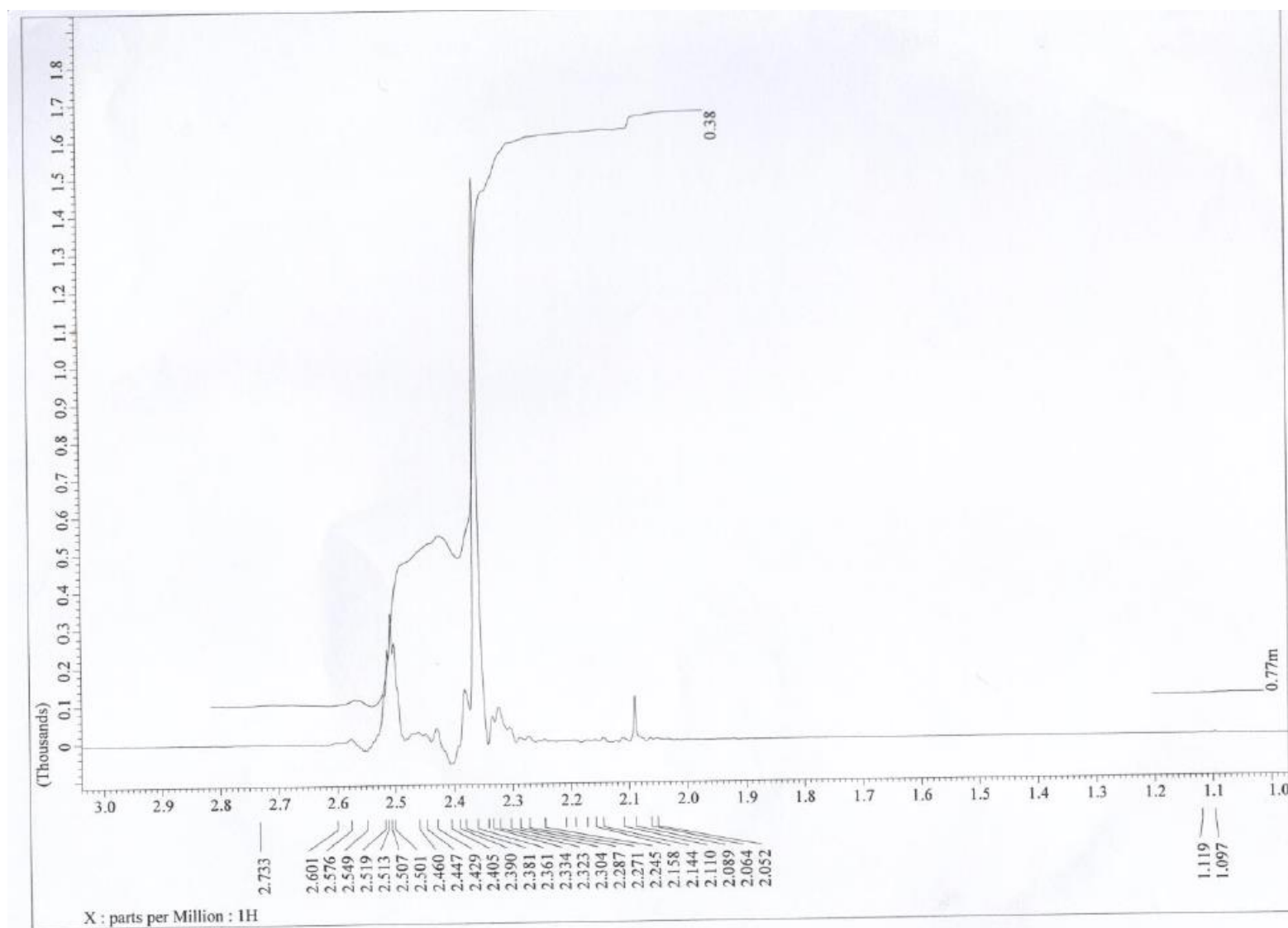


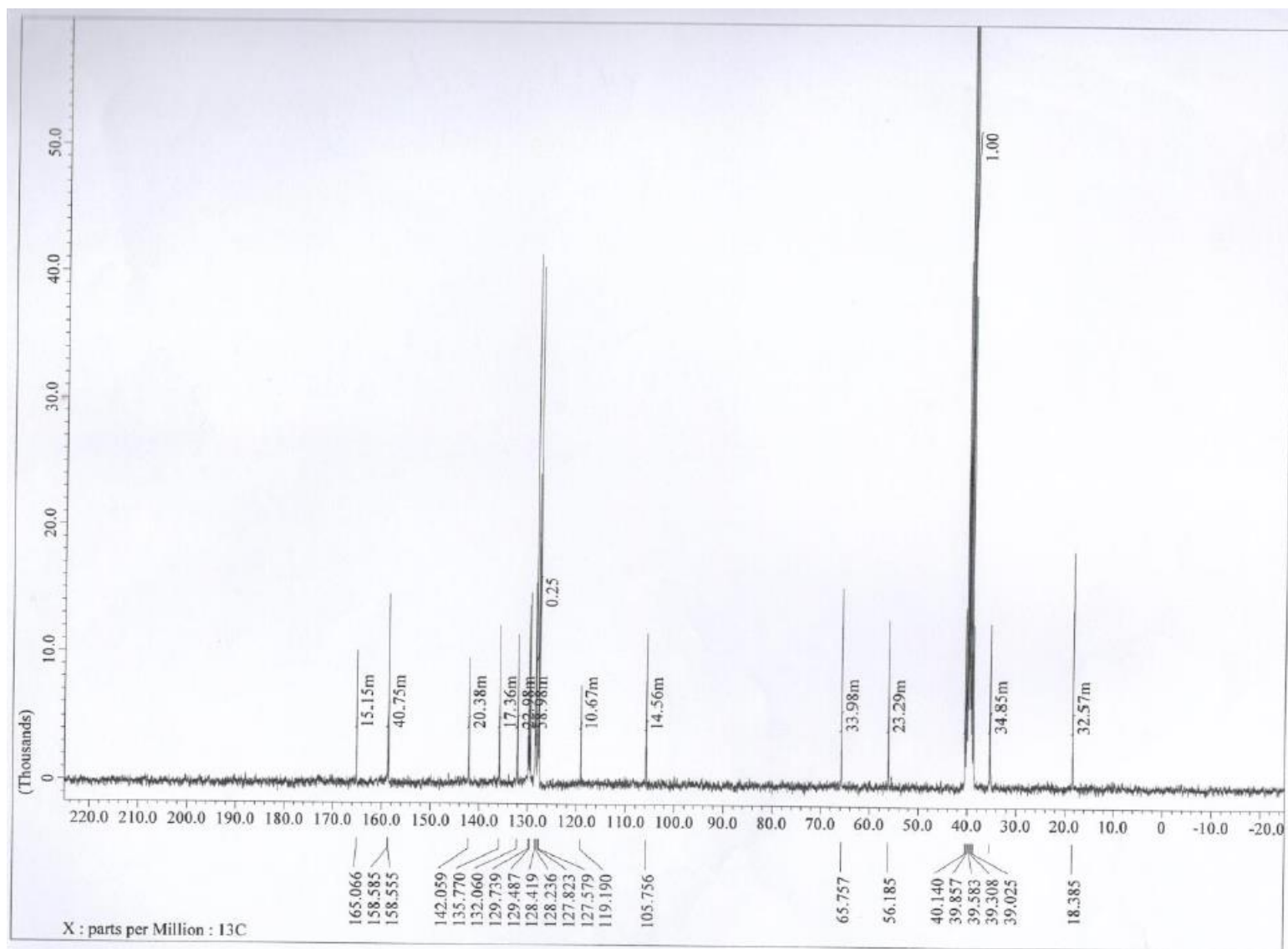




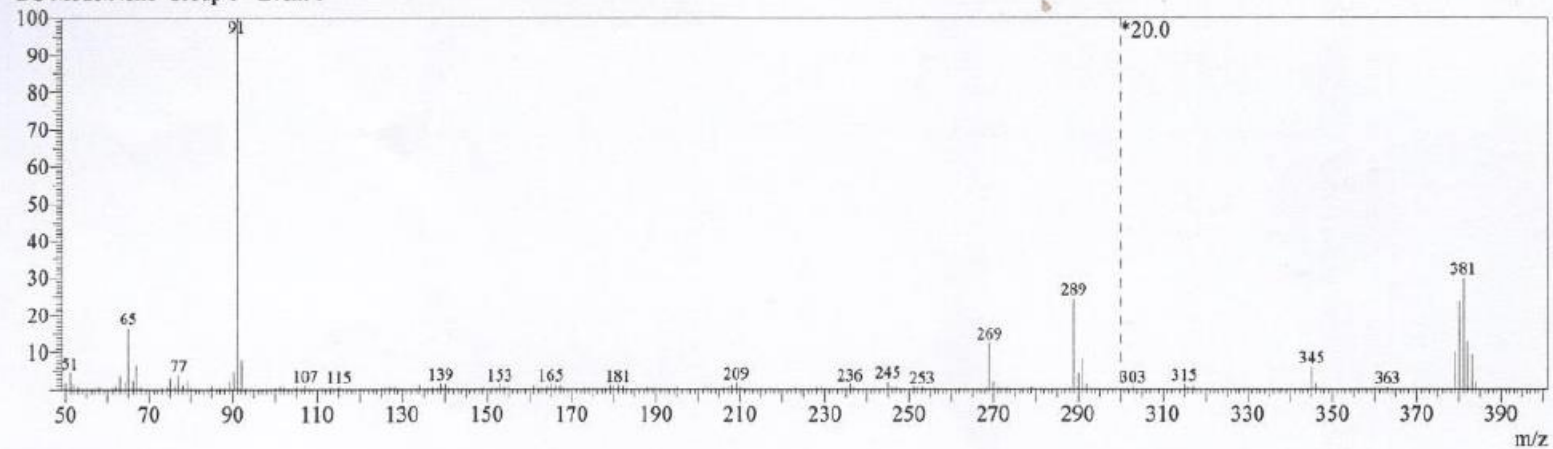








Line#:2 R.Time:3.2(Scan#:382)  
MassPeaks:240  
RawMode:Single 3.2(382) BasePeak:91(4538062)  
BG Mode:None Group 1 - Event 1



Mass Table  
Line#:1 R.Time:1.8(Scan#:213)  
MassPeaks:226  
RawMode:Single 1.8(213) BasePeak:91(1976876)  
BG Mode:None Group 1 - Event 1



#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	32201	1.63	46	95.05	3421	0.17	91	141.05	9319	0.47
2	51.00	78199	3.96	47	96.10	2207	0.11	92	142.10	2914	0.15
3	52.00	25655	1.30	48	97.05	8018	0.41	93	143.10	4522	0.23
4	53.00	12378	0.63	49	98.05	4261	0.22	94	144.10	2986	0.15
5	54.05	5763	0.29	50	99.05	13802	0.70	95	145.05	5046	0.26
6	55.00	15807	0.80	51	100.05	10987	0.56	96	146.05	1146	0.06
7	56.05	4893	0.25	52	101.05	25612	1.30	97	147.05	1933	0.10
8	57.05	15289	0.77	53	102.05	16296	0.82	98	148.05	1572	0.08
9	58.00	9228	0.47	54	103.05	3612	0.18	99	149.00	12615	0.64
10	59.00	2566	0.13	55	104.15	2387	0.12	100	150.05	3624	0.18
11	60.00	3598	0.18	56	105.05	17020	0.86	101	151.05	5877	0.30
12	61.00	5314	0.27	57	106.10	8306	0.42	102	152.05	7992	0.40
13	62.05	14311	0.72	58	107.05	27670	1.40	103	153.05	36006	1.82
14	63.00	57111	2.89	59	108.05	8355	0.42	104	154.05	12531	0.63
15	64.05	30562	1.55	60	109.05	3376	0.17	105	155.05	9082	0.46
16	65.00	247215	12.51	61	110.05	2741	0.14	106	156.05	2451	0.12
17	66.05	35717	1.81	62	111.05	14959	0.76	107	157.05	1518	0.08
18	67.00	92036	4.66	63	112.05	7014	0.35	108	160.05	1191	0.06
19	68.00	10015	0.51	64	113.05	14534	0.74	109	161.00	18938	0.96
20	69.05	9983	0.50	65	114.05	8599	0.43	110	162.00	8660	0.44
21	70.05	3228	0.16	66	115.05	19148	0.97	111	163.00	9638	0.49
22	71.05	8292	0.42	67	116.10	5874	0.30	112	164.00	16825	0.85
23	72.05	1336	0.07	68	117.10	3377	0.17	113	164.95	26320	1.33
24	73.00	7716	0.39	69	118.05	2907	0.15	114	166.00	18545	0.94
25	74.05	15676	0.79	70	119.05	2894	0.15	115	167.00	21142	1.07
26	75.00	56441	2.86	71	121.05	1604	0.08	116	168.00	8537	0.43
27	76.05	20370	1.03	72	122.05	2006	0.10	117	169.00	2230	0.11
28	77.05	68758	3.48	73	123.05	3018	0.15	118	170.05	1032	0.05
29	78.05	17958	0.91	74	124.05	2740	0.14	119	171.00	5887	0.30
30	79.05	43343	2.19	75	125.05	9179	0.46	120	172.05	1285	0.07
31	80.05	6227	0.31	76	126.05	18835	0.95	121	173.00	10479	0.53
32	81.05	3941	0.20	77	127.05	23148	1.17	122	174.00	8868	0.45
33	82.10	2570	0.13	78	128.10	17452	0.88	123	175.00	7954	0.40
34	83.10	6105	0.31	79	129.10	5956	0.30	124	175.95	4988	0.25
35	84.05	5049	0.26	80	130.10	1746	0.09	125	177.00	7686	0.39
36	85.00	21319	1.08	81	131.10	1382	0.07	126	178.00	5894	0.30
37	86.00	5599	0.28	82	132.10	1274	0.06	127	179.00	14127	0.71
38	87.00	8794	0.44	83	133.15	5478	0.28	128	180.00	24593	1.24
39	88.05	8953	0.45	84	134.10	22330	1.13	129	181.00	20444	1.03
40	89.05	46953	2.38	85	135.05	5215	0.26	130	182.00	17866	0.90
41	90.05	54701	2.77	86	136.05	7346	0.37	131	183.00	6953	0.35
42	91.05	197687	100.00	87	137.05	14311	0.72	132	184.00	2734	0.14
43	92.05	156782	7.93	88	138.05	14382	0.73	133	185.05	1263	0.06
44	93.05	7648	0.39	89	139.05	36540	1.85	134	187.00	2614	0.13
45	94.05	2013	0.10	90	140.05	30360	1.54	135	187.95	12865	0.65

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
136	189.00	9553	0.48	167	221.00	1260	0.06	198	256.00	2937	0.15
137	189.95	8100	0.41	168	223.05	11103	0.56	199	257.05	1912	0.10
138	191.00	5964	0.30	169	224.00	3199	0.16	200	261.05	2849	0.14
139	192.00	5844	0.30	170	225.00	3134	0.16	201	262.00	6978	0.35
140	193.00	4593	0.23	171	226.00	2244	0.11	202	263.00	2242	0.11
141	194.05	3676	0.19	172	227.05	2527	0.13	203	264.00	2529	0.13
142	195.00	13518	0.68	173	228.00	12326	0.62	204	268.15	10429	0.53
143	196.00	3114	0.16	174	228.95	16494	0.83	205	269.05	429561	21.73
144	197.05	1328	0.07	175	229.95	7881	0.40	206	270.05	75120	3.80
145	197.95	1593	0.08	176	230.95	7271	0.37	207	271.00	16881	0.85
146	199.05	1317	0.07	177	232.00	1860	0.09	208	272.00	11702	0.59
147	199.95	7662	0.39	178	233.05	2092	0.11	209	273.00	9337	0.47
148	201.00	5606	0.28	179	234.00	11143	0.56	210	274.00	4671	0.24
149	202.00	8769	0.44	180	235.05	4660	0.24	211	275.00	2820	0.14
150	202.95	5893	0.30	181	236.00	48682	2.46	212	279.05	13011	0.66
151	203.95	3740	0.19	182	237.00	25834	1.31	213	280.05	2772	0.14
152	205.05	2911	0.15	183	238.00	4622	0.23	214	288.05	12229	0.62
153	206.00	14089	0.71	184	239.05	2084	0.11	215	289.00	904460	45.75
154	207.00	10484	0.53	185	240.05	1476	0.07	216	290.00	152519	7.72
155	208.00	25386	1.28	186	243.00	4743	0.24	217	291.00	303908	15.37
156	209.00	39159	1.98	187	244.05	8460	0.43	218	292.00	49985	2.53
157	210.00	10812	0.55	188	245.00	64330	3.25	219	292.95	6032	0.31
158	211.00	5169	0.26	189	246.00	13092	0.66	220	345.05	9213	0.47
159	212.00	2177	0.11	190	247.00	23327	1.18	221	346.05	2271	0.11
160	213.00	1082	0.05	191	248.00	3674	0.19	222	379.05	2892	0.15
161	215.00	3820	0.19	192	249.05	1235	0.06	223	380.00	30342	1.53
162	216.00	4743	0.24	193	251.05	24110	1.22	224	381.05	9439	0.48
163	216.95	3374	0.17	194	252.05	12294	0.62	225	382.00	11164	0.56
164	217.95	2640	0.13	195	253.00	14918	0.75	226	383.00	2874	0.15
165	219.00	2314	0.12	196	254.00	7844	0.40				
166	220.00	1119	0.06	197	255.00	4310	0.22				