

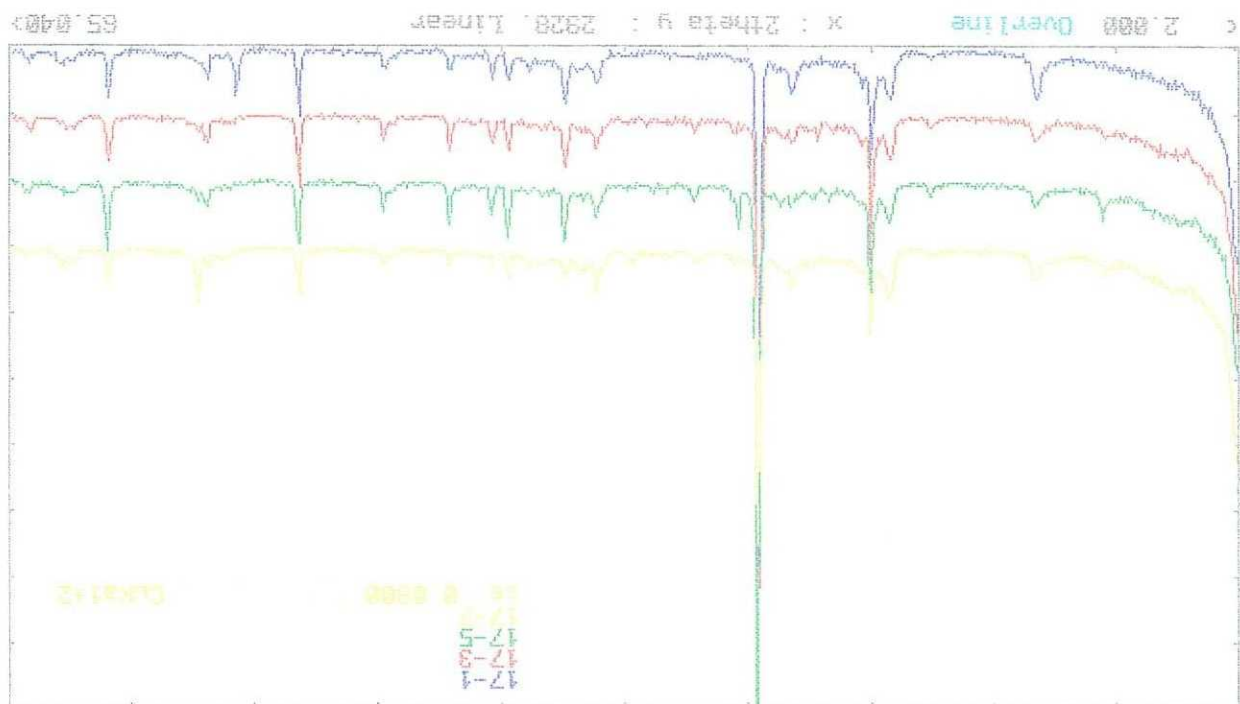
DIFRACTOGRAMAS

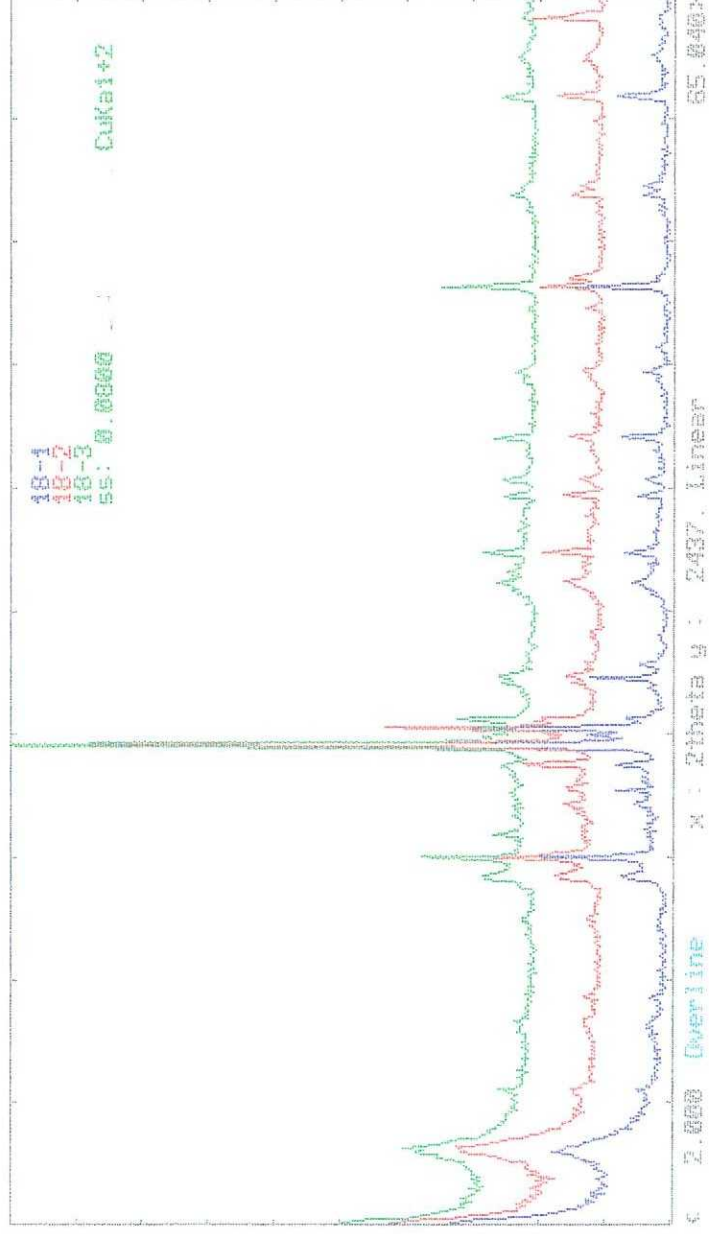
R - X

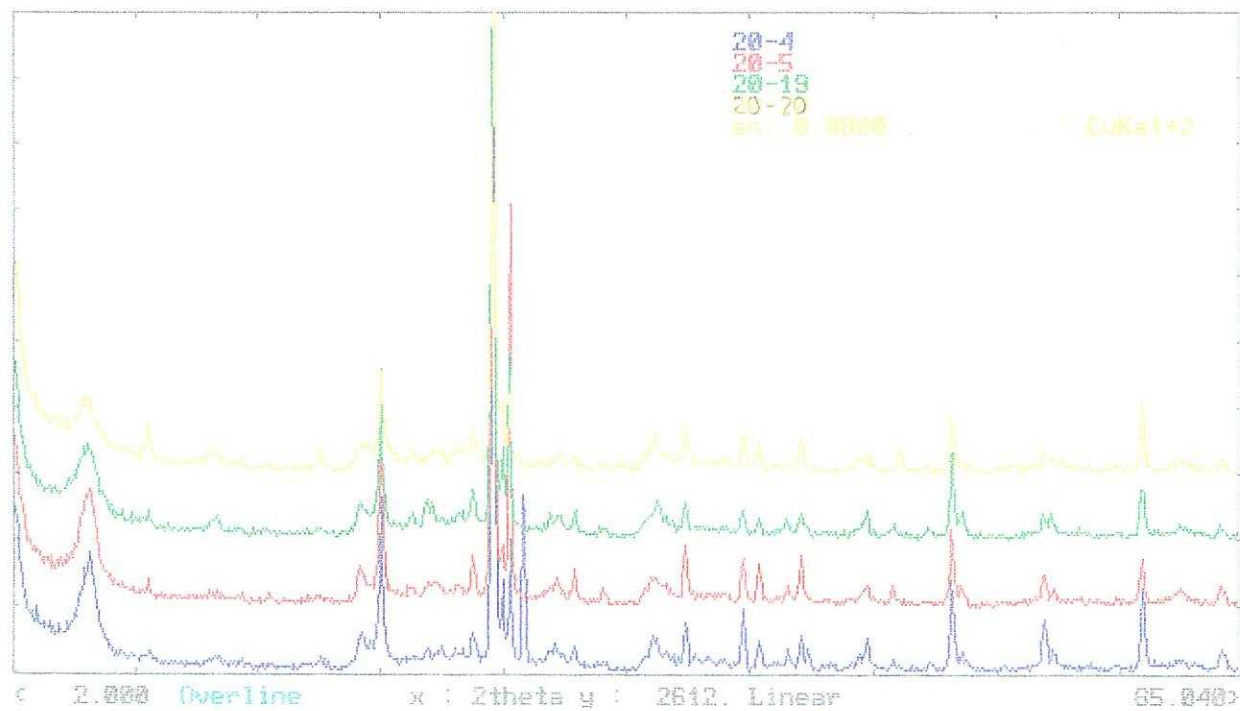
HOJA 13-20

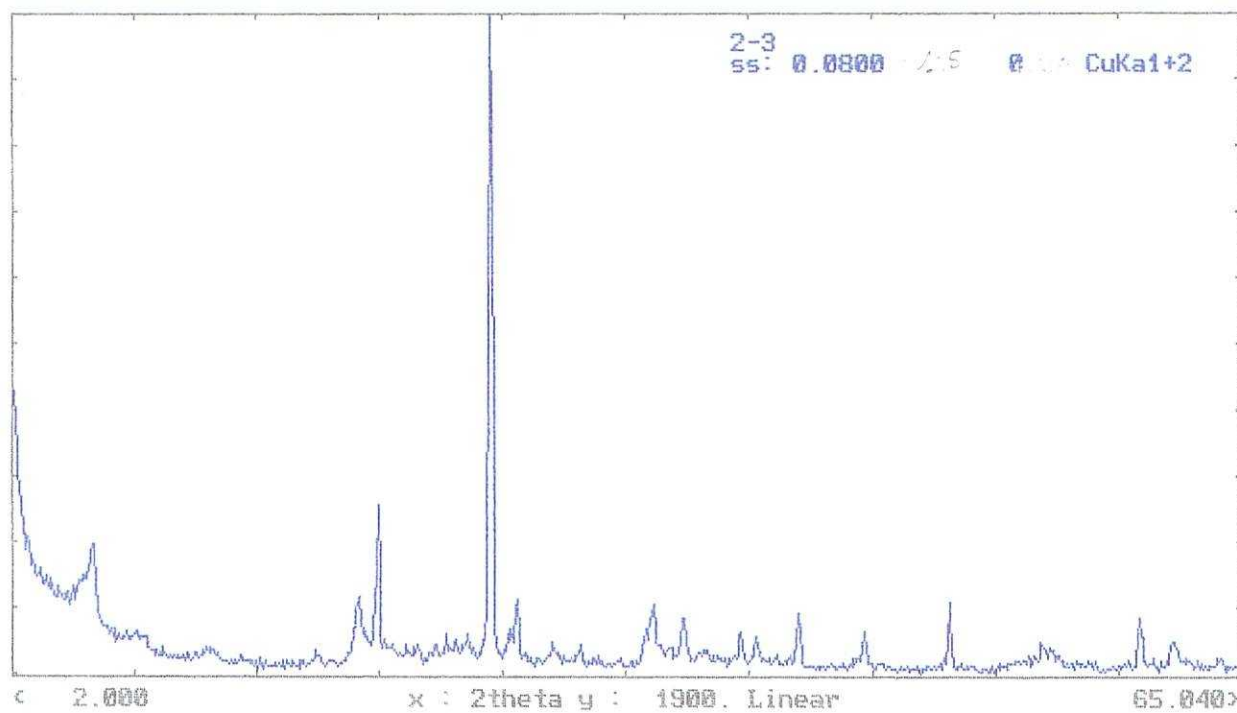
LAS VEGUILLAS

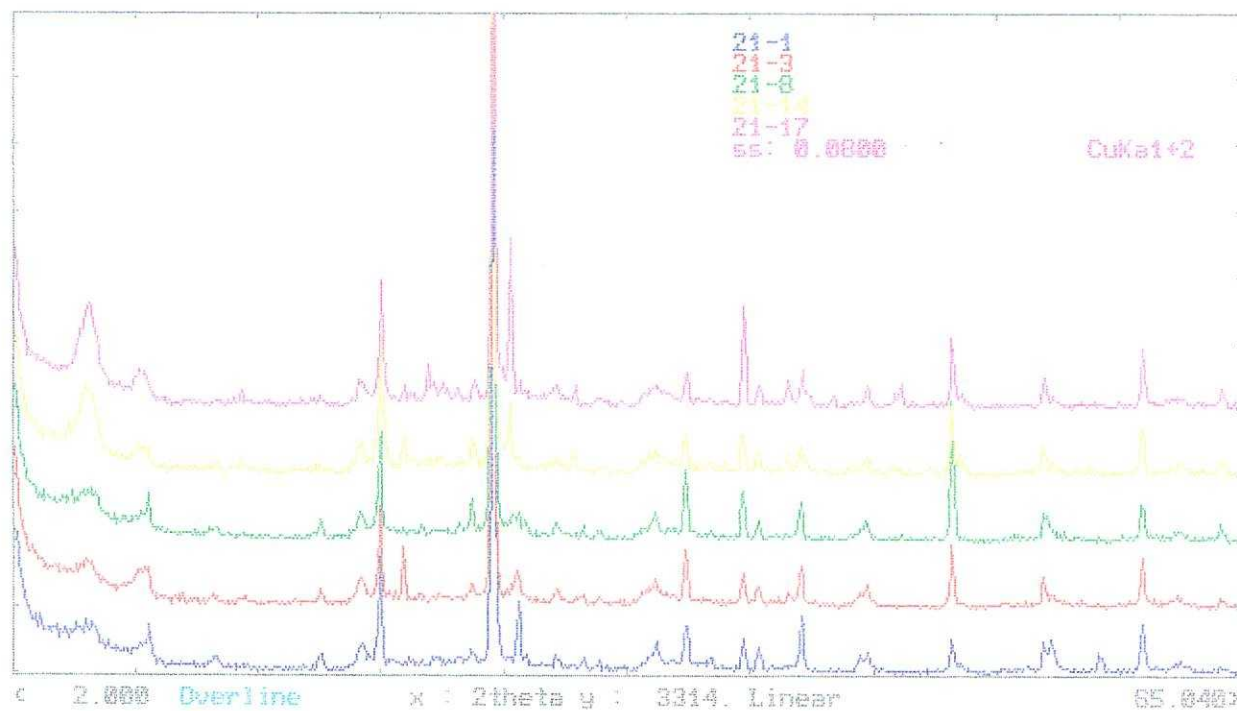
Y3-20

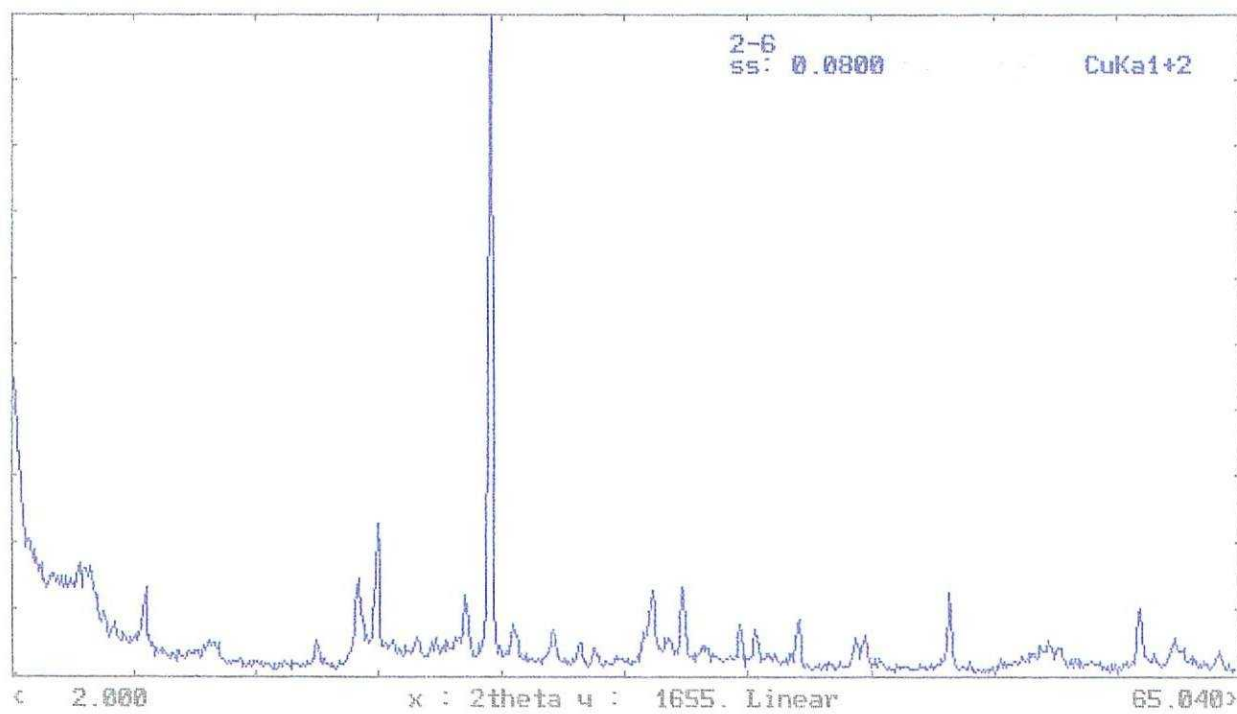


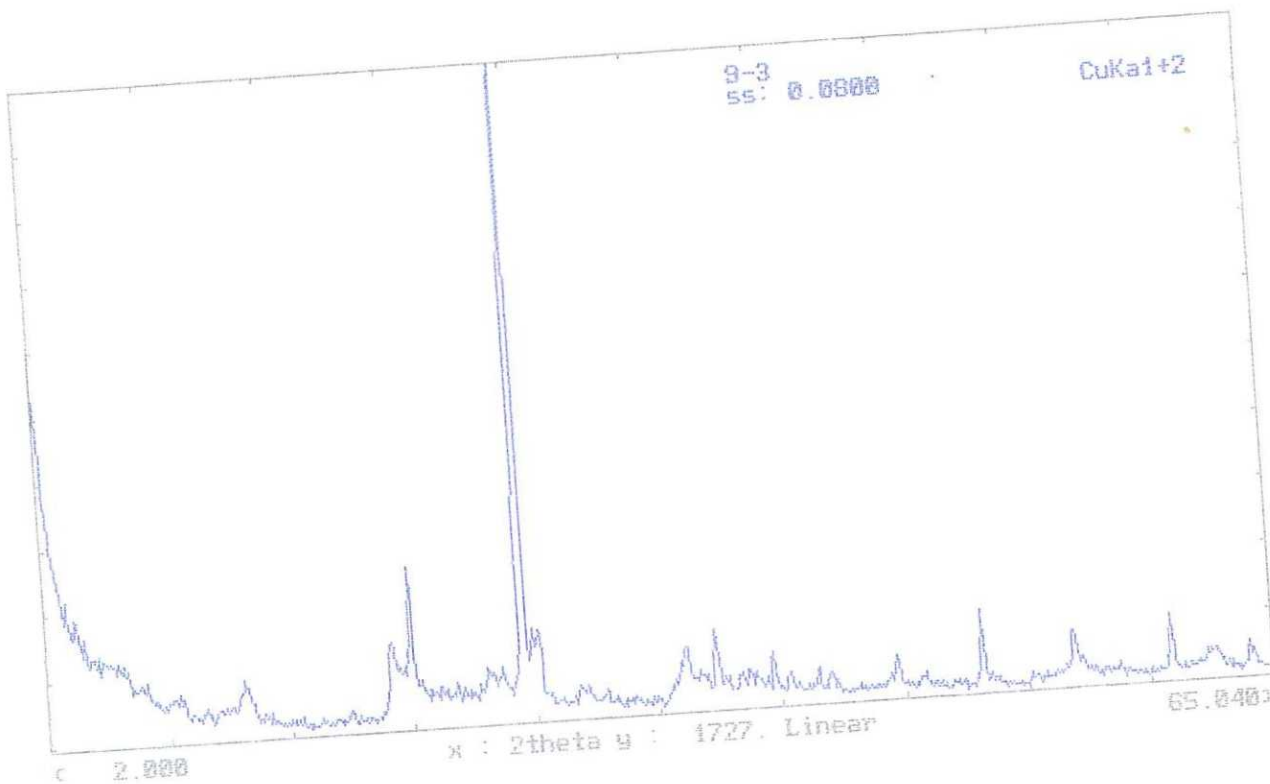


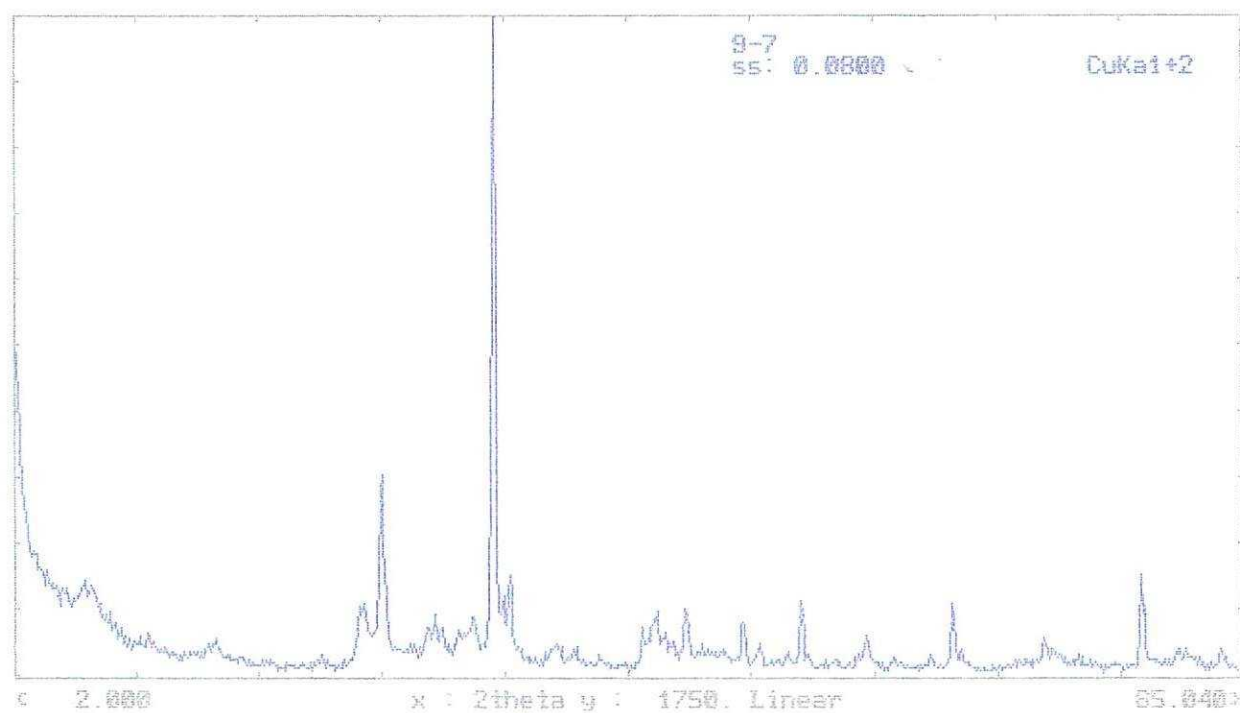


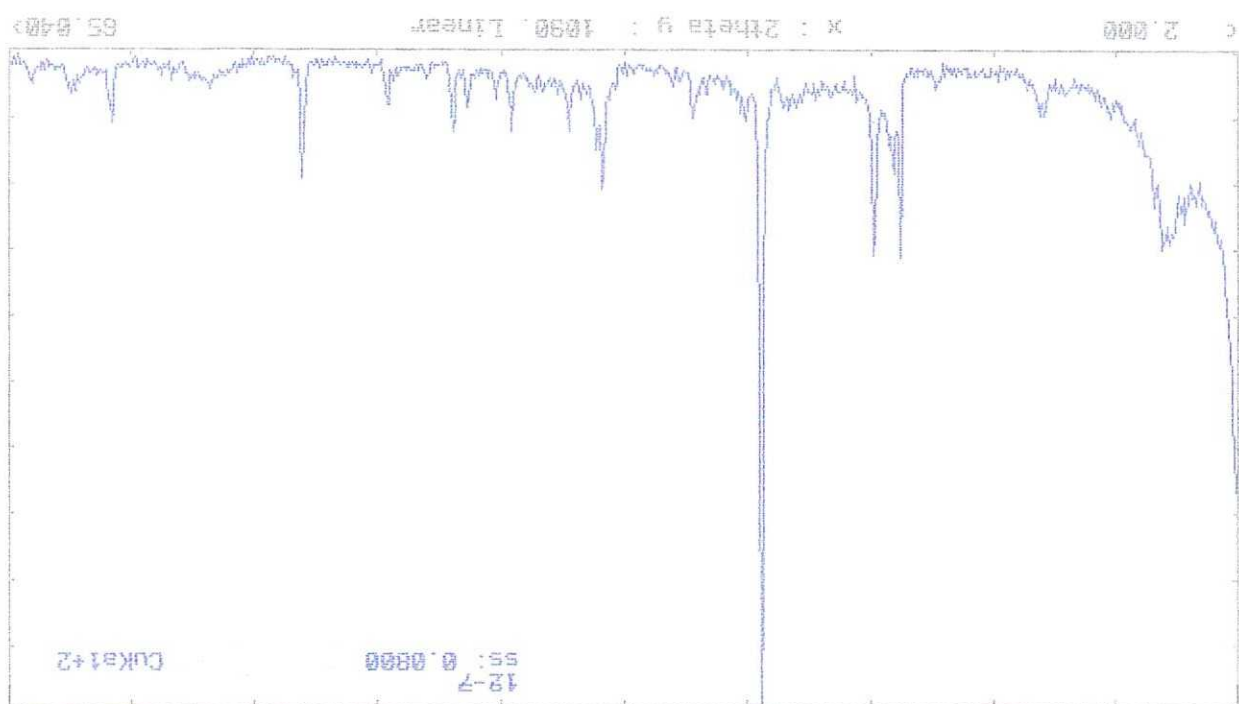


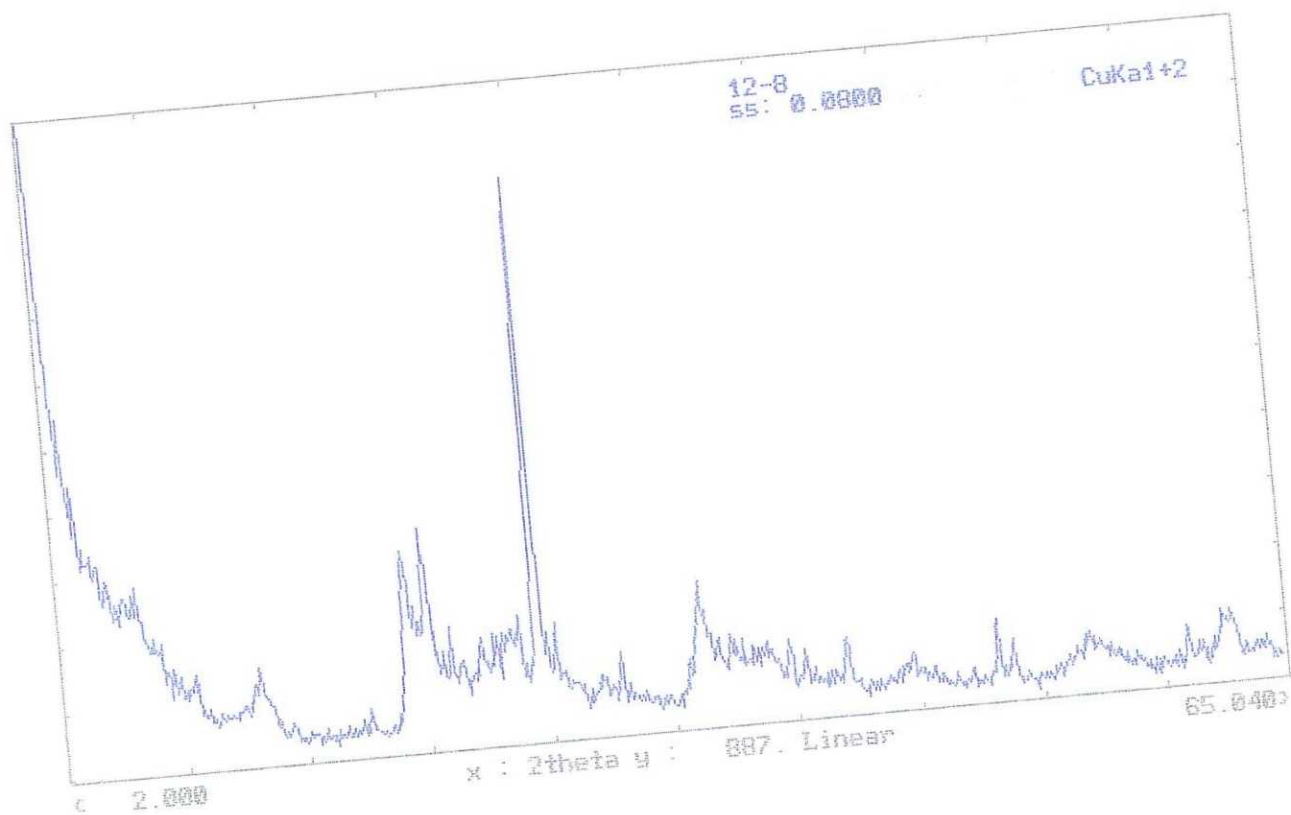


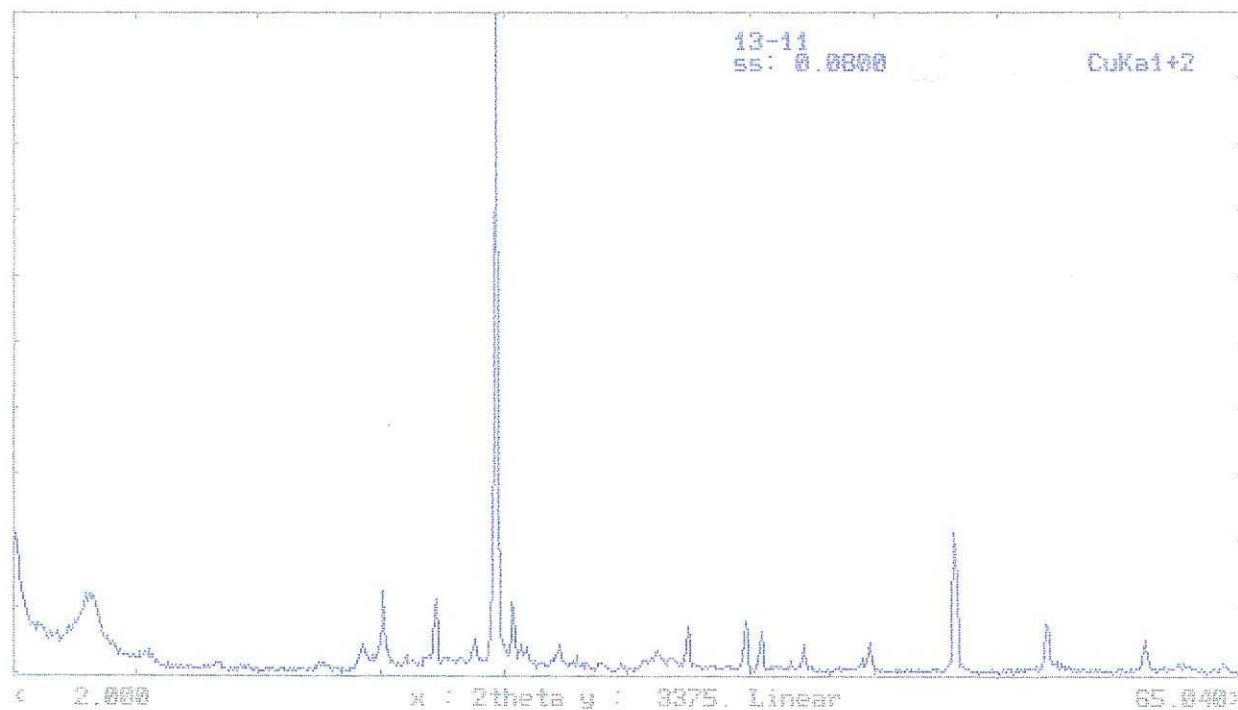


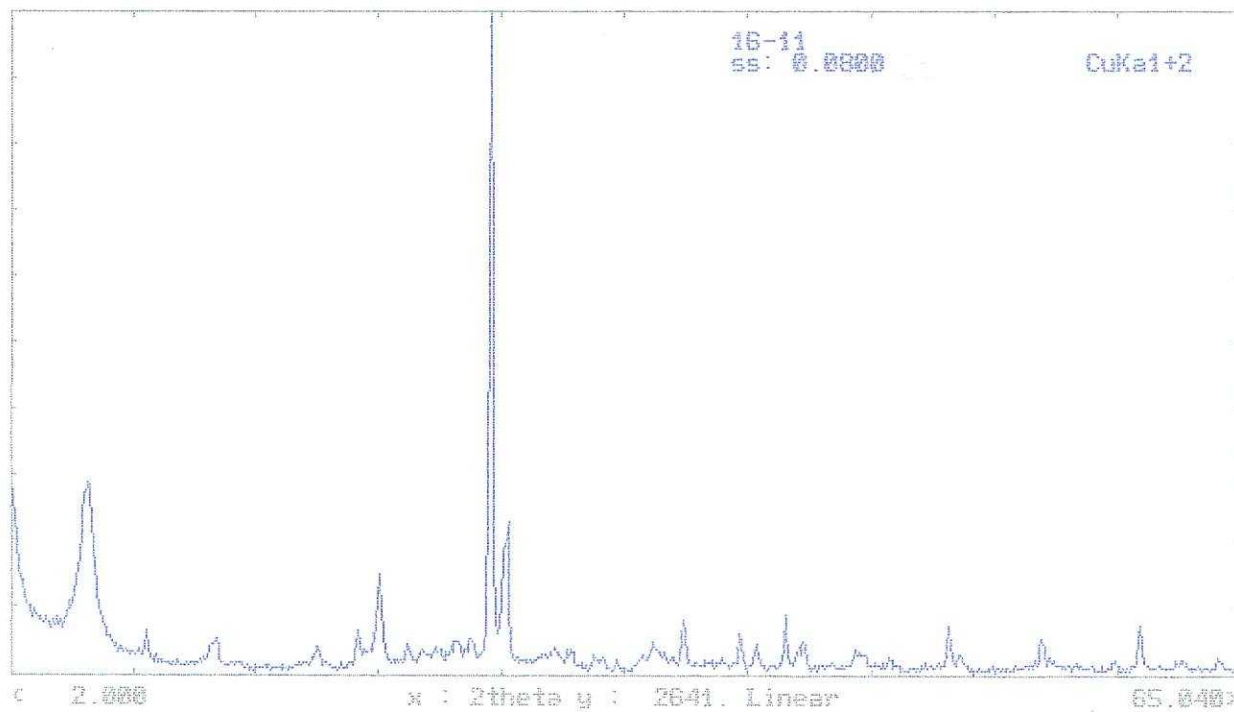


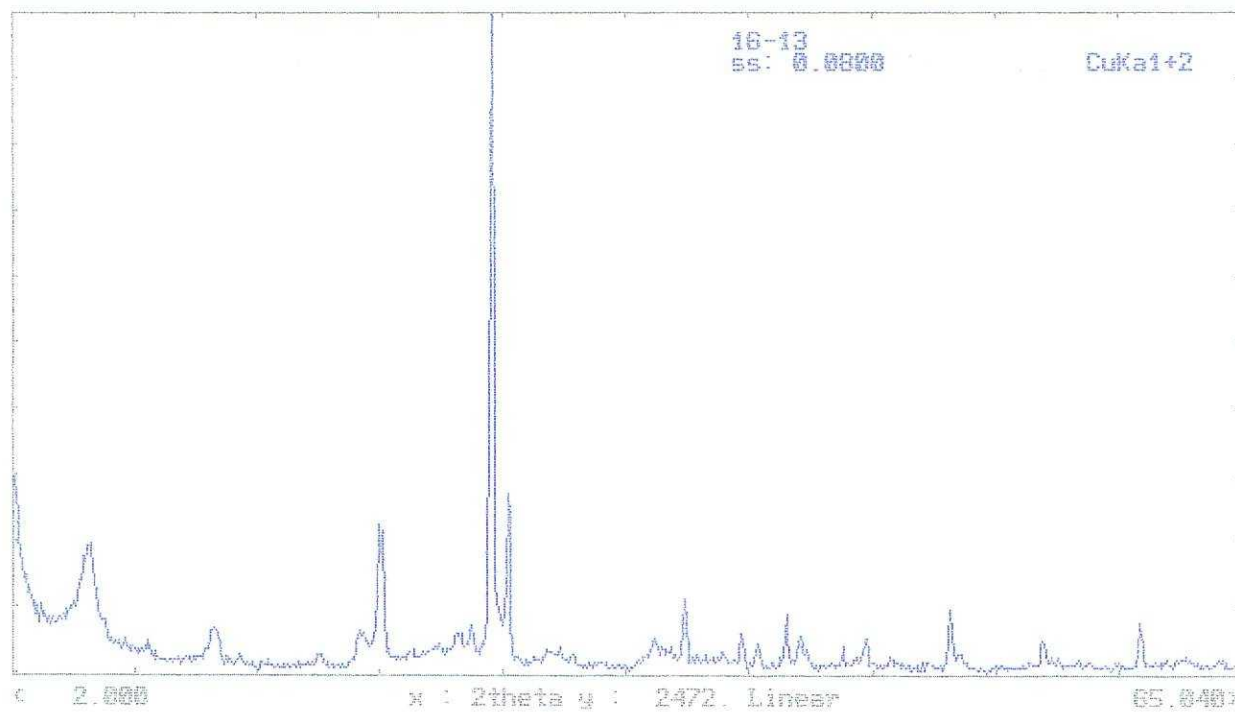


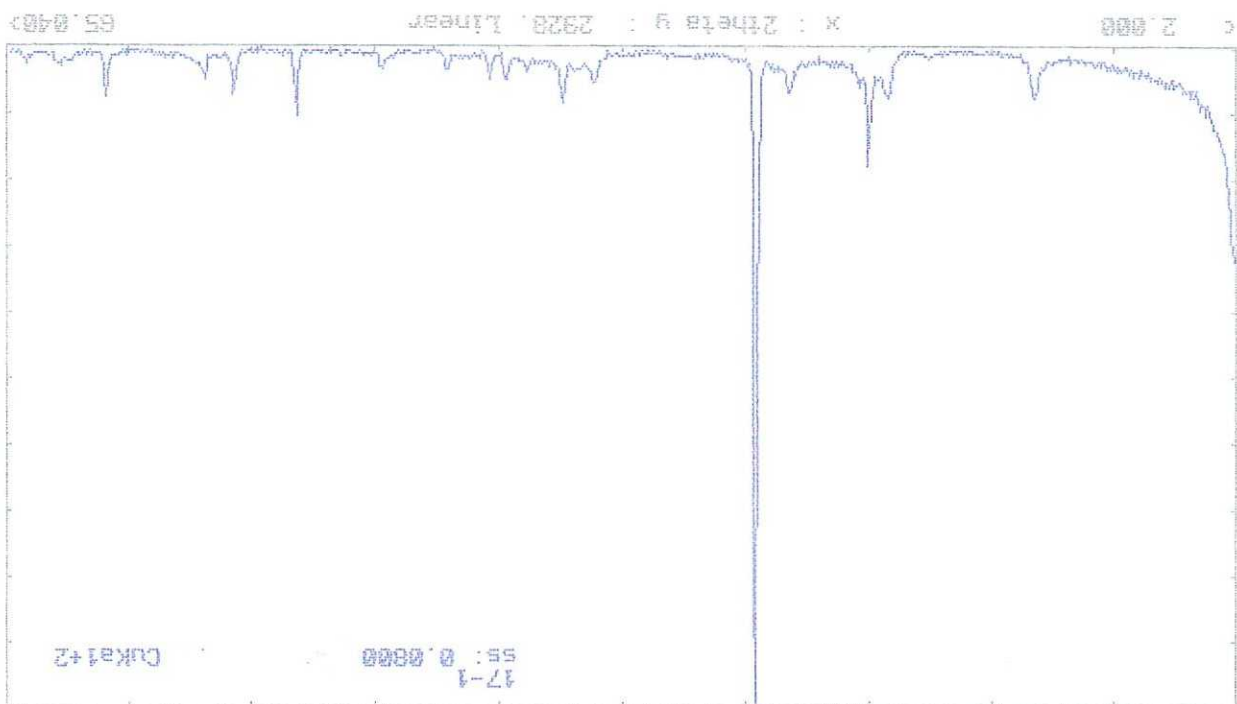


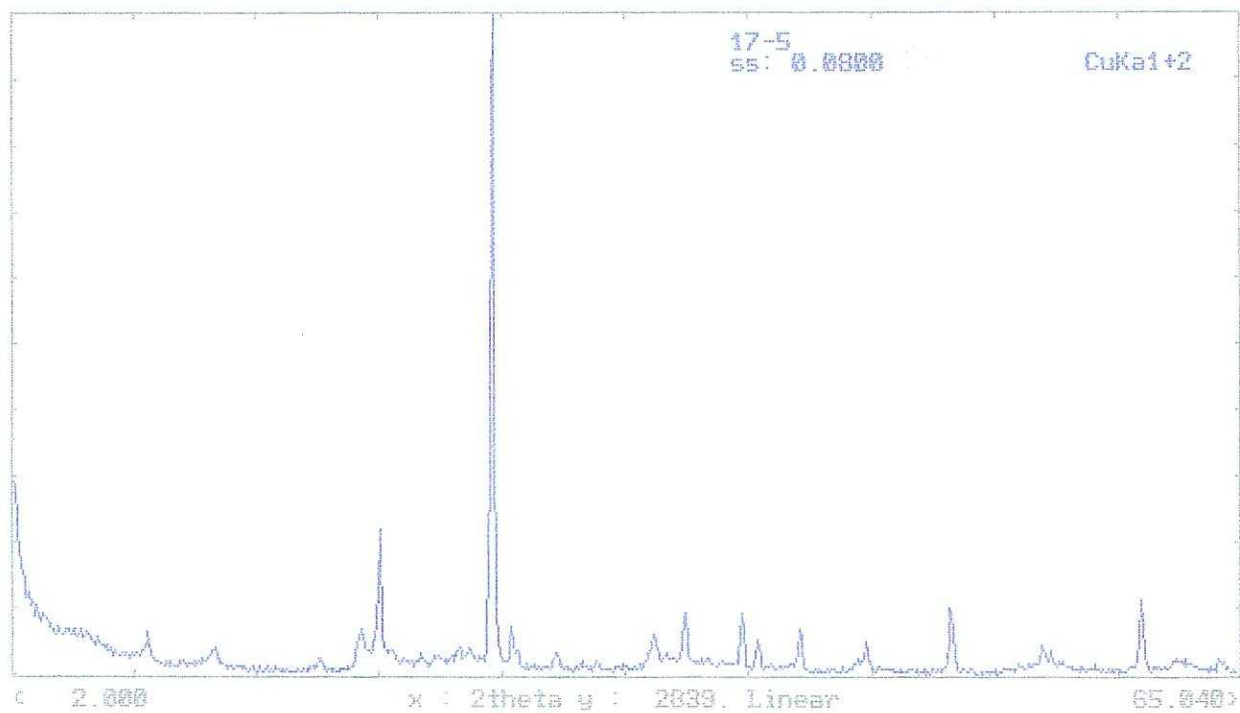


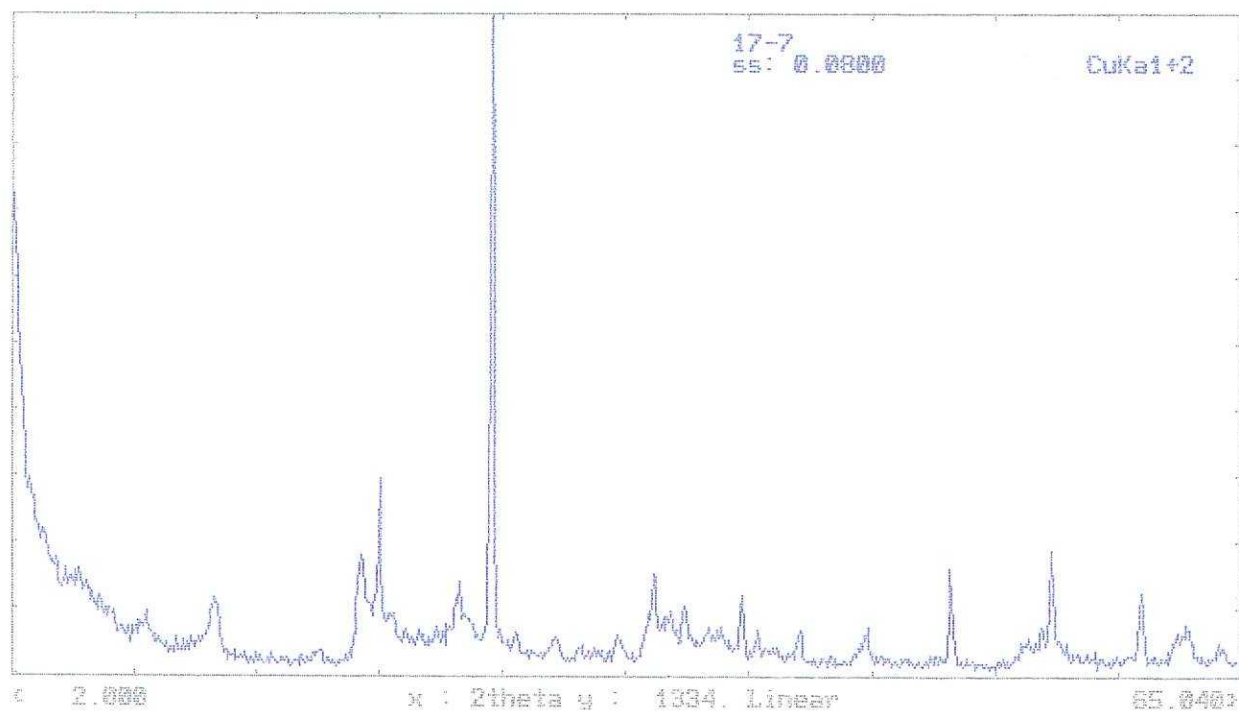


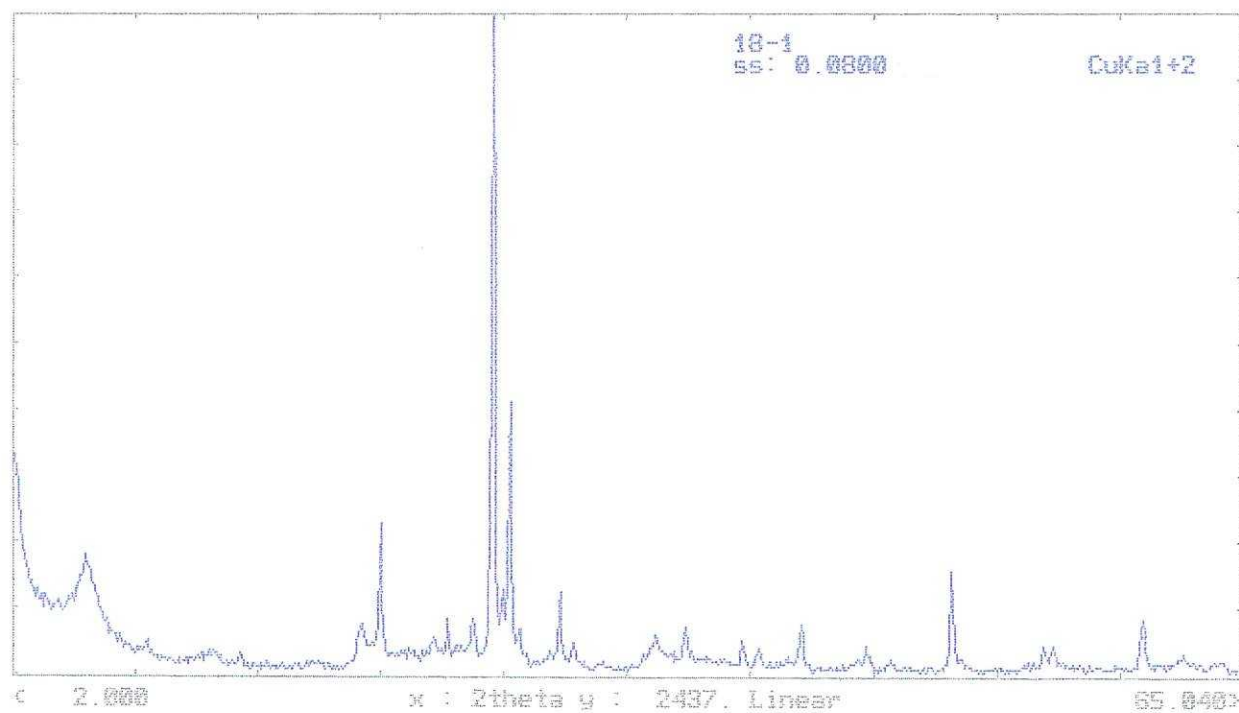


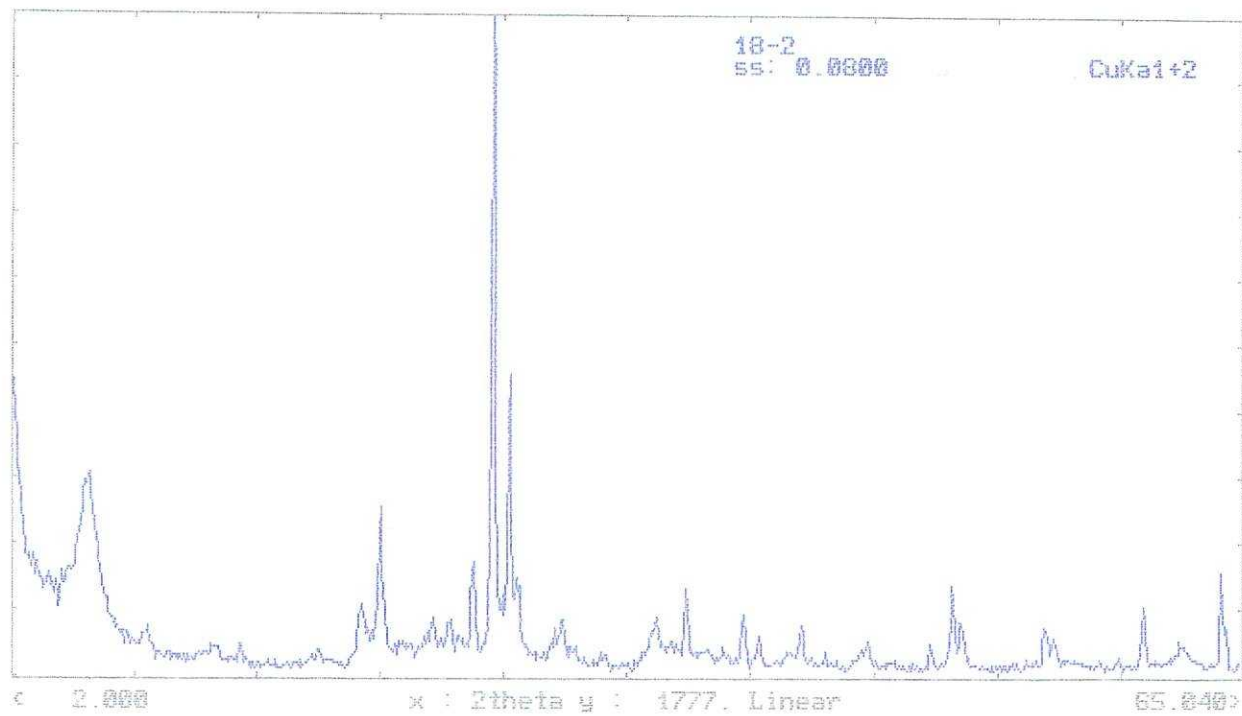


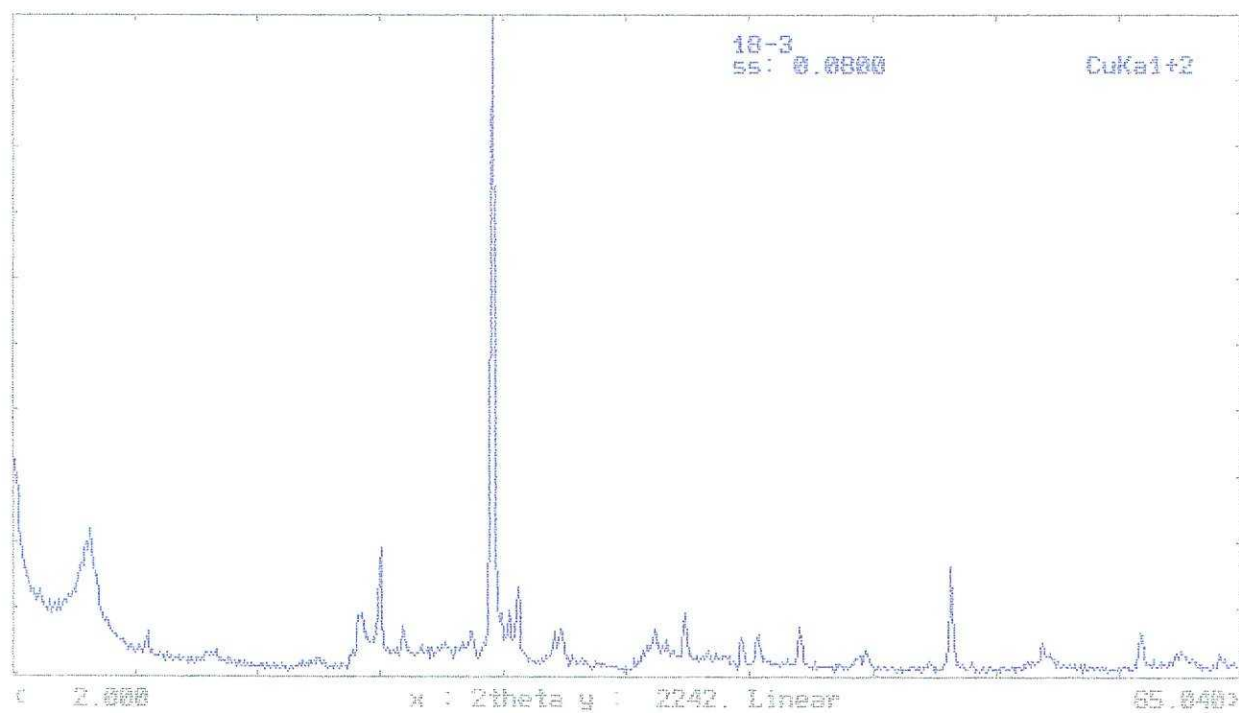


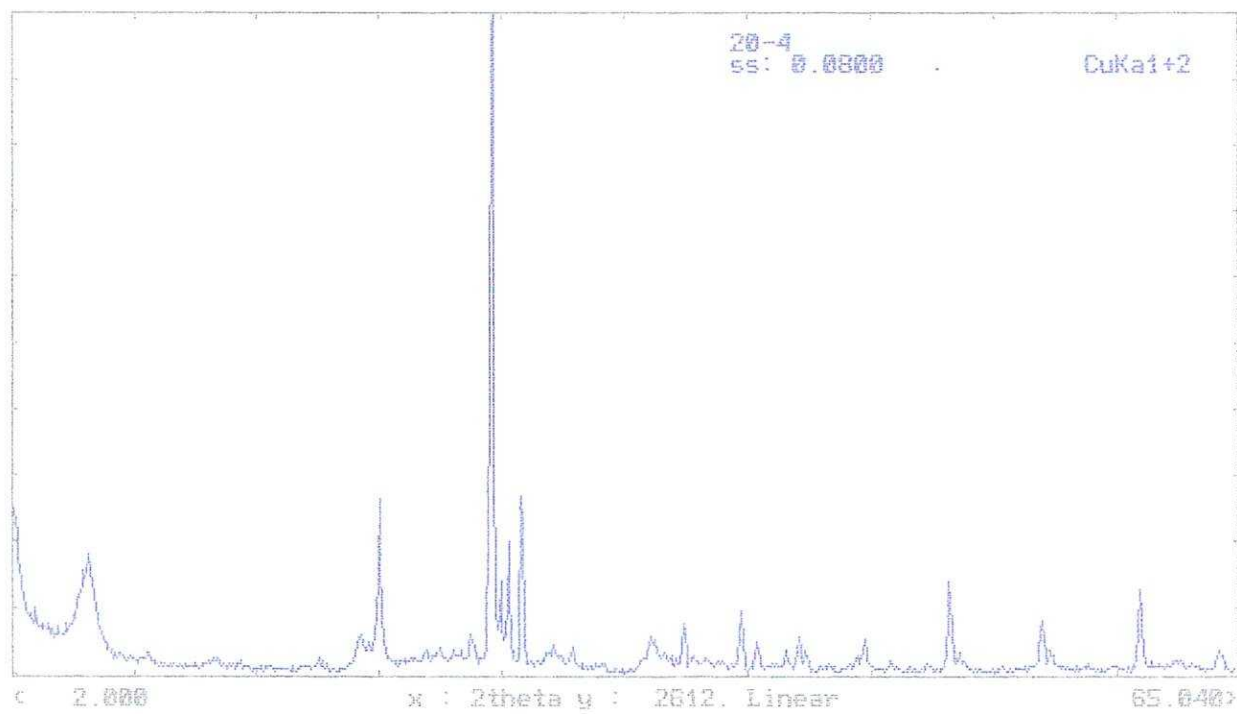




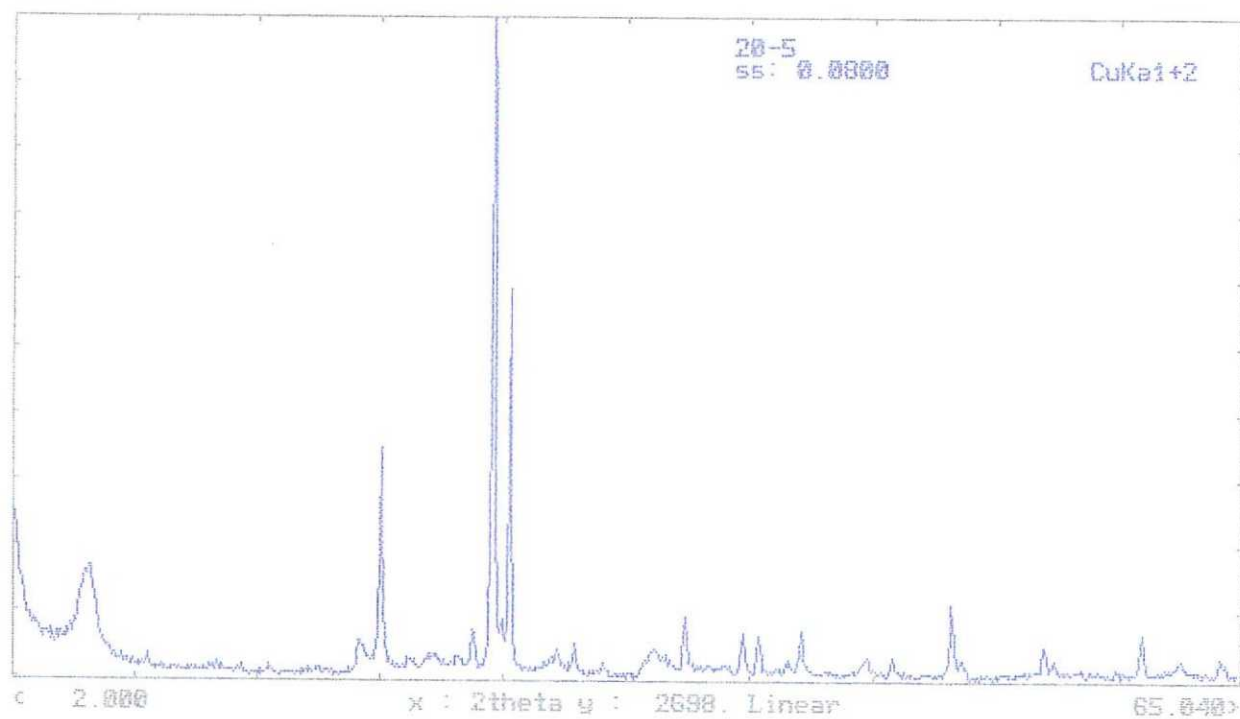


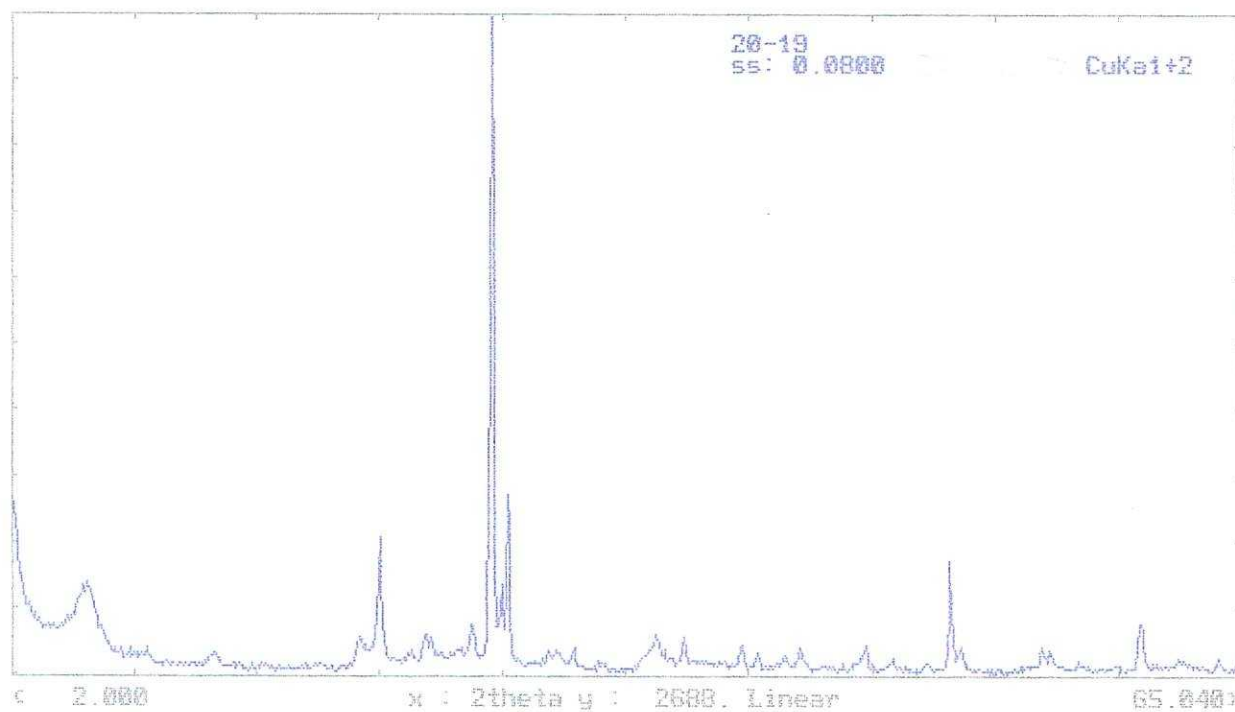






?help Zoom Watch File Clear Back Null K a2 Peaks Smoo Comp Wfile -> ?





Difractogramas

R-X

HOJA 13-20

NOTA = Los difractogramas empiezan en 2° de 2θ con una velocidad de $2^\circ/\text{min}$, y una velocidad de papel de $2\text{ cm}/\text{min}$ en consecuencia cada cm de papel es 1°

UNIVERSIDAD DE SALAMANCA	
Ficha:	
Muestra:	
KV: 34	mA: 24
Anticátodo: Cu	Filtro: Ni
Pendientes: Ventana: 3, 6; Contada: 1, 3	
Velocidad:	
Velocidad Goniómetro: $2^\circ/\text{min}$	
Velocidad Carta: $20\text{ mm}/\text{min}$	
P. Escala: X	c.p.s. 1
Atenuación: 16	Amplitud: A. Cont:
Observaciones:	

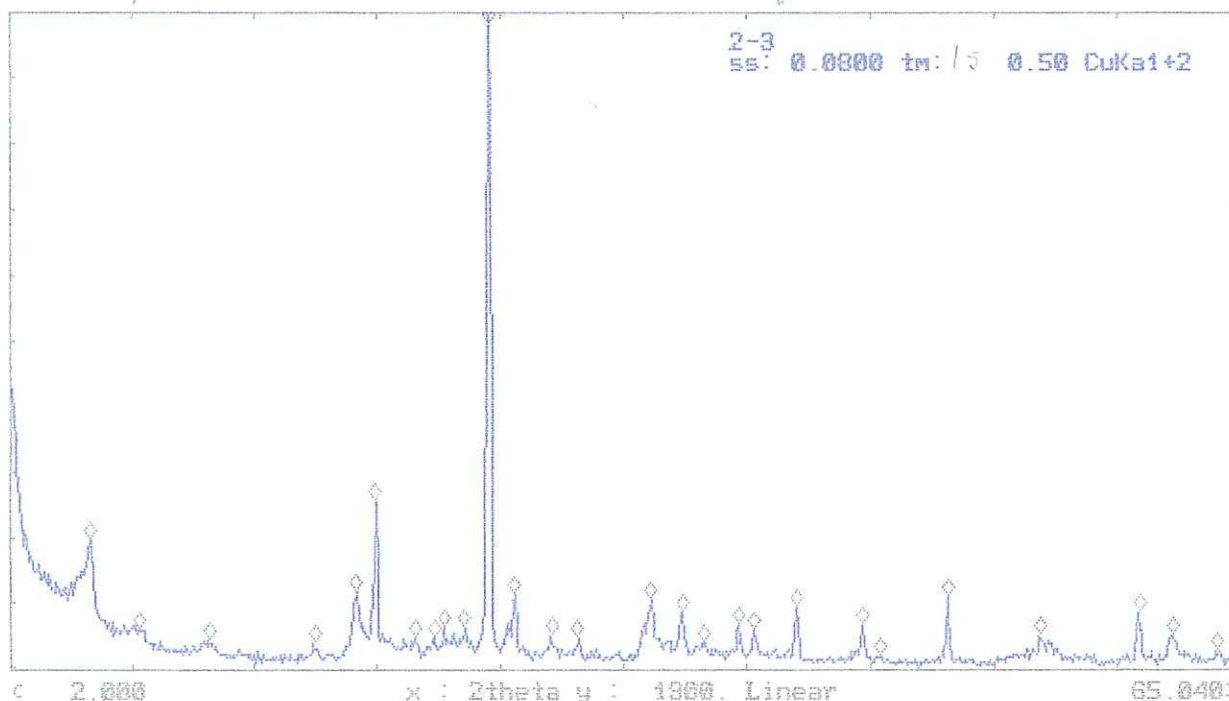
Sample: 2-3
Data file: 2-3.RAW

13-Feb-1991 14:50:46

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	6.073	14.5408	19.84 <i>S_m</i>	11	26.678	3.3388	100.00
2	8.640	10.2261	6.05 <i>F₁</i>	6	20.821	4.2630	25.89
3	12.274	7.2055	4.37 <i>K</i>	1	6.073	14.5408	19.84
4	17.730	4.9985	3.89 <i>I</i>	5	19.845	4.4703	12.05
5	19.845	4.4703	12.05 <i>-</i>	12	27.920	3.1930	11.79 ?
6	20.821	4.2630	25.89 <i>- F</i>	23	50.219	1.8153	11.16
7	22.904	3.8797	4.89 <i>-</i>	15	34.960	2.5645	10.79 ?
8	23.840	3.7294	4.95 ?	20	42.495	2.1256	9.58
9	24.361	3.6509	6.21 <i>- ch.</i>	16	36.617	2.4521	8.95
10	25.367	3.5083	6.42 <i>-</i>	25	60.065	1.5391	8.79
11	26.678	3.3388	100.00 <i>- F</i>	18	39.489	2.2802	6.68
12	27.920	3.1930	11.79 ?	21	45.853	1.9774	6.63
13	29.870	2.9888	5.00 <i>-</i>	10	25.367	3.5083	6.42
14	31.238	2.8610	4.63 <i>-</i>	9	24.361	3.6509	6.21
15	34.960	2.5645	10.79 ?	2	8.640	10.2261	6.05 ?
16	36.617	2.4521	8.95 <i>- F</i>	19	40.326	2.2347	5.89
17	37.733	2.3821	4.05 <i>-</i>	26	61.761	1.5008	5.32
18	39.489	2.2802	6.68 <i>- F</i>	24	54.974	1.6689	5.05
19	40.326	2.2347	5.89 <i>- F</i>	13	29.870	2.9888	5.00
20	42.495	2.1256	9.58 <i>- F</i>	8	23.840	3.7294	4.95 ?
21	45.853	1.9774	6.63 <i>- F</i>	7	22.904	3.8797	4.89
22	46.710	1.9431	2.16 <i>- F</i>	14	31.238	2.8610	4.63
23	50.219	1.8153	11.16 <i>- F</i>	3	12.274	7.2055	4.37
24	54.974	1.6689	5.05 <i>- F</i>	17	37.733	2.3821	4.05
25	60.065	1.5391	8.79 <i>- F</i>	4	17.730	4.9985	3.89
26	61.761	1.5008	5.32 <i>- F</i>	27	64.079	1.4520	2.95
27	64.079	1.4520	2.95 <i>- F</i>	22	46.710	1.9431	2.16

orden de aparición

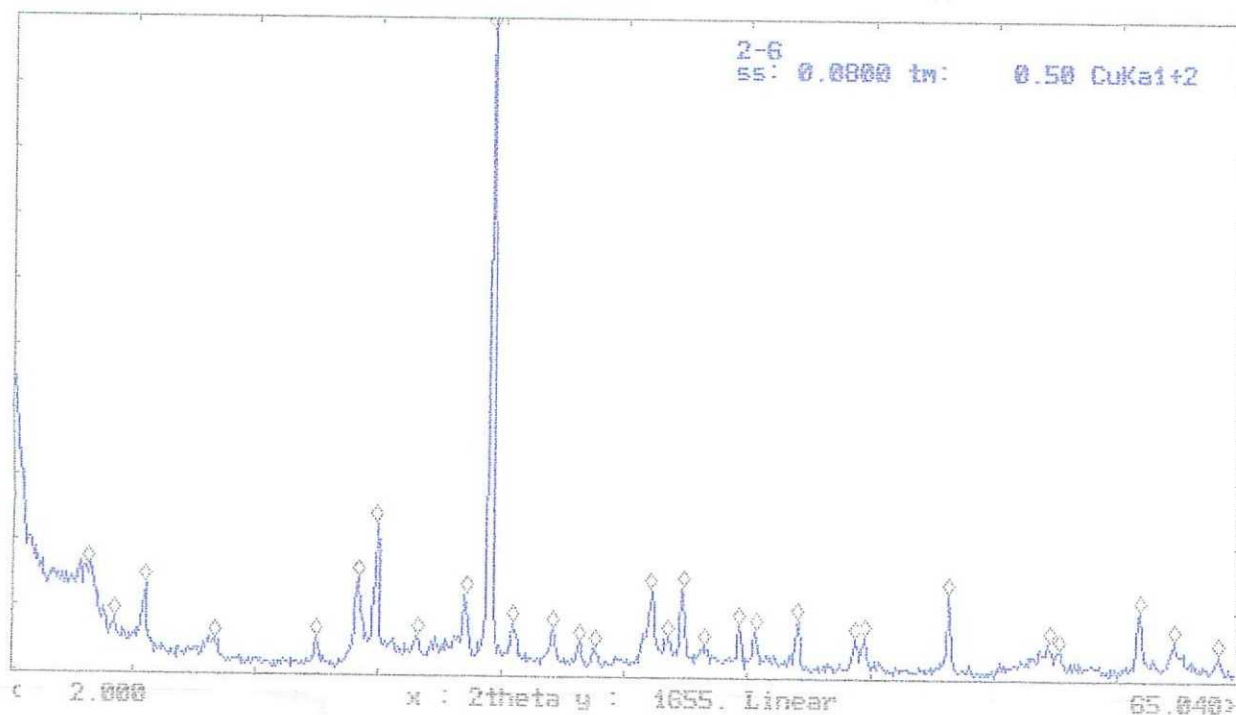
de mayor a menor



Sample: 2-6
Data file: 2-6.RAW

15-Feb-1991 07:20:30

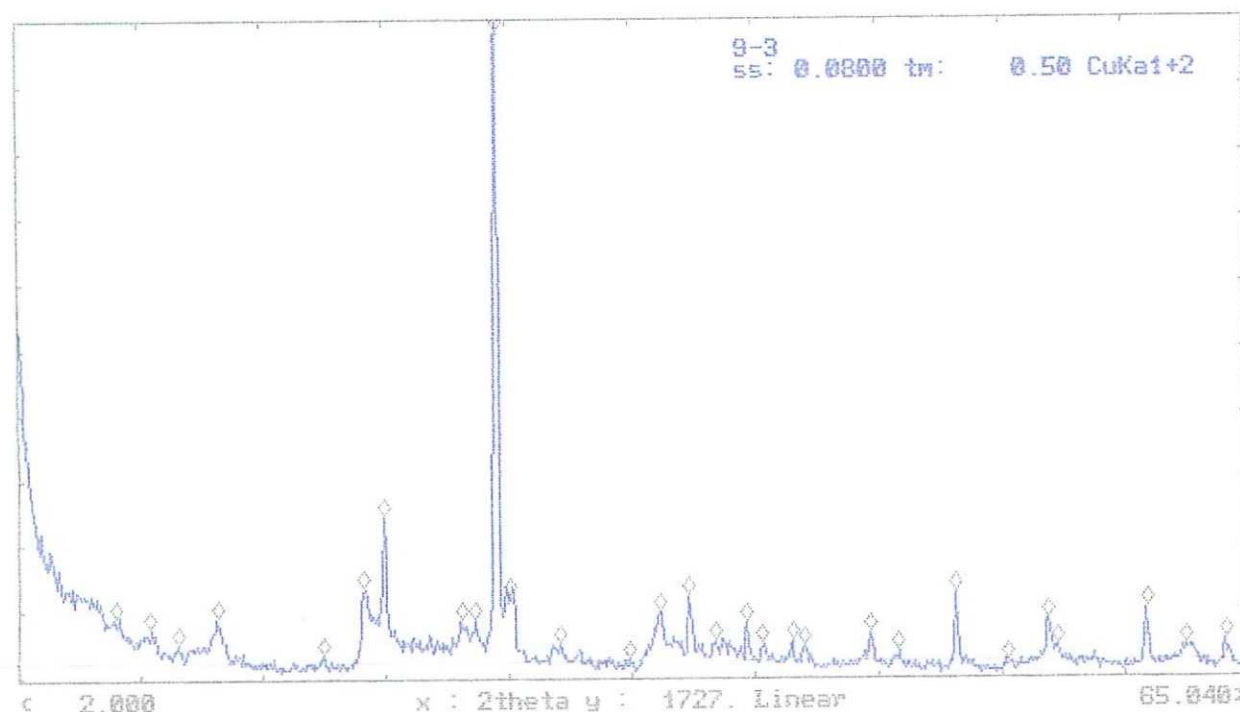
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.825	15.1601	16.44	10	26.640	3.3435	100.00 ?
2	7.255	12.1749	8.52	7	20.846	4.2579	23.08
3	8.826	10.0108	13.47	1	5.825	15.1601	16.44
4	12.450	7.1037	5.20	6	19.872	4.4642	14.92
5	17.734	4.9975	5.74	17	36.640	2.4507	13.78 ?
6	19.872	4.4642	14.92	3	8.826	10.0108	13.47
7	20.846	4.2579	23.08	15	35.003	2.5615	13.29
8	22.945	3.8728	5.86	24	50.221	1.8152	12.63
9	25.411	3.5024	12.33	9	25.411	3.5024	12.33
10	26.640	3.3435	100.00 ?	27	60.069	1.5390	10.45
11	27.875	3.1981	8.10	21	42.480	2.1263	8.82 ?
12	29.914	2.9846	7.07	2	7.255	12.1749	8.52
13	31.317	2.8540	5.20	11	27.875	3.1981	8.10
14	32.038	2.7914	4.23	19	39.507	2.2792	7.92
15	35.003	2.5615	13.29	20	40.375	2.2322	7.37
16	35.857	2.5024	6.04	12	29.914	2.9846	7.07
17	36.640	2.4507	13.78 ?	23	45.894	1.9757	6.28
18	37.748	2.3812	4.83	16	35.857	2.5024	6.04
19	39.507	2.2792	7.92	28	61.824	1.4995	5.92
20	40.375	2.2322	7.37	22	45.439	1.9944	5.86
21	42.480	2.1263	8.82 ?	8	22.945	3.8728	5.86
22	45.439	1.9944	5.86	5	17.734	4.9975	5.74
23	45.894	1.9757	6.28	25	55.416	1.6567	5.44
24	50.221	1.8152	12.63	13	31.317	2.8540	5.20
25	55.416	1.6567	5.44	4	12.450	7.1037	5.20
26	55.920	1.6429	4.53	18	37.748	2.3812	4.83
27	60.069	1.5390	10.45	26	55.920	1.6429	4.53
28	61.824	1.4995	5.92	14	32.038	2.7914	4.23
29	64.101	1.4516	3.81	29	64.101	1.4516	3.81



Sample: 9-3
Data file: 9-3.RAW

15-Feb-1991 07:30:56

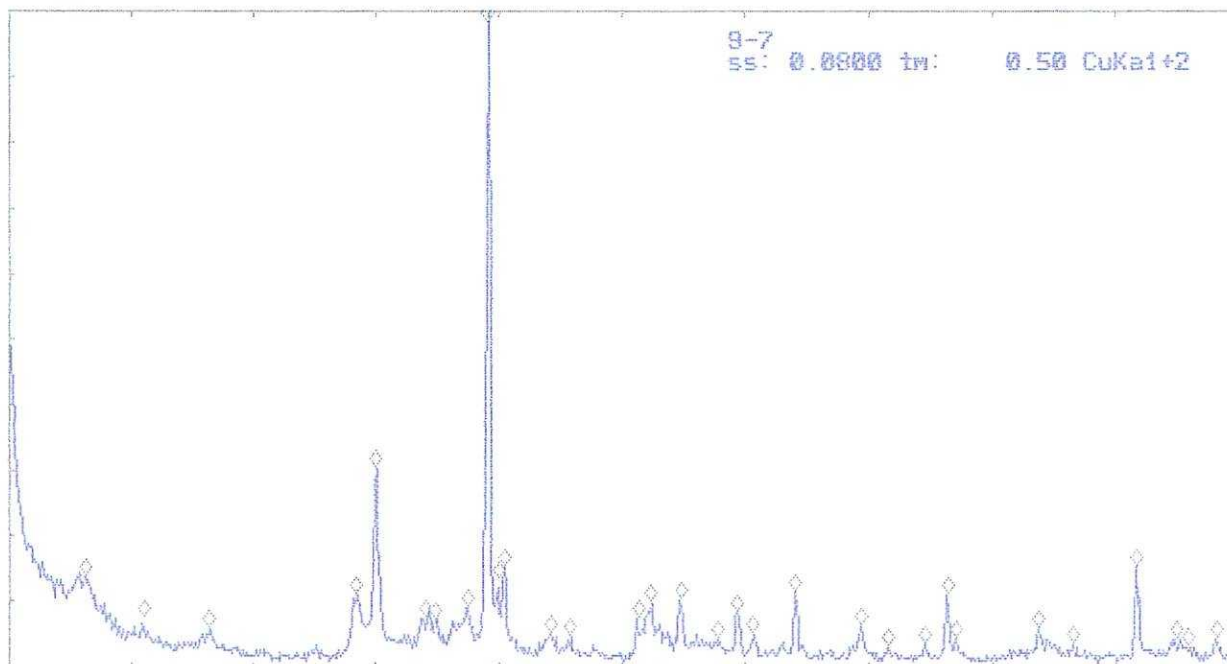
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	6.954	12.7004	9.26	10	26.705	3.3355	100.00
2	8.720	10.1325	7.76 ?	7	20.914	4.2441	24.72
3	10.170	8.6906	5.27	6	19.856	4.4677	13.43
4	12.251	7.2190	9.21	23	50.196	1.8160	12.85
5	17.698	5.0074	3.42	15	36.566	2.4554	12.51
6	19.856	4.4677	13.43	11	27.348	3.2585	12.45
7	20.914	4.2441	24.72	27	60.080	1.5387	10.25
8	24.846	3.5806	8.63	14	35.040	2.5588	10.02 ?
9	25.520	3.4876	8.86 ?	1	6.954	12.7004	9.26
10	26.705	3.3355	100.00	4	12.251	7.2190	9.21
11	27.348	3.2585	12.45	9	25.520	3.4876	8.86 ?
12	29.877	2.9882	5.27	25	54.977	1.6689	8.74
13	33.450	2.6767	2.95	8	24.846	3.5806	8.63
14	35.040	2.5588	10.02 ?	17	39.543	2.2772	8.22
15	36.566	2.4554	12.51	2	8.720	10.1325	7.76 ?
16	37.904	2.3718	5.73	21	45.840	1.9779	6.83 ?
17	39.543	2.2772	8.22	19	41.840	2.1573	5.79 ?
18	40.320	2.2351	5.27 ?	29	64.117	1.4512	5.73
19	41.840	2.1573	5.79 ?	16	37.904	2.3718	5.73
20	42.456	2.1274	4.92	18	40.320	2.2351	5.27 ?
21	45.840	1.9779	6.83 ?	12	29.877	2.9882	5.27
22	47.232	1.9228	3.94	3	10.170	8.6906	5.27
23	50.196	1.8160	12.85	28	62.099	1.4935	4.98
24	52.889	1.7297	2.37	26	55.440	1.6560	4.98 ?
25	54.977	1.6689	8.74	20	42.456	2.1274	4.92
26	55.440	1.6560	4.98 ?	22	47.232	1.9228	3.94
27	60.080	1.5387	10.25	5	17.698	5.0074	3.42
28	62.099	1.4935	4.98	13	33.450	2.6767	2.95
29	64.117	1.4512	5.73	24	52.889	1.7297	2.37



Sample: 9-7
Data file: 9-7.RAW

15-Feb-1991 07:35:56

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.840	15.1213	14.06 ?	9	26.678	3.3388	100.00
2	8.927	9.8975	7.60	5	20.949	4.2371	30.86
3	12.320	7.1786	5.83 ?	11	27.520	3.2385	15.66
4	19.959	4.4449	11.14	28	60.031	1.5399	15.54
5	20.949	4.2371	30.86	1	5.840	15.1213	14.06 ?
6	23.479	3.7859	7.60	10	27.236	3.2717	13.60
7	23.938	3.7144	7.31	20	42.482	2.1262	11.77
8	25.618	3.4744	9.37	4	19.959	4.4449	11.14
9	26.678	3.3388	100.00	24	50.245	1.8144	11.03
10	27.236	3.2717	13.60	16	36.640	2.4507	10.29 ?
11	27.520	3.2385	15.66	15	35.018	2.5603	10.17
12	29.891	2.9868	5.14	8	25.618	3.4744	9.37
13	30.854	2.8958	4.74	18	39.535	2.2776	8.51
14	34.435	2.6024	7.71	14	34.435	2.6024	7.71
15	35.018	2.5603	10.17	6	23.479	3.7859	7.60
16	36.640	2.4507	10.29 ?	2	8.927	9.8975	7.60
17	38.492	2.3369	4.46	7	23.938	3.7144	7.31
18	39.535	2.2776	8.51	21	45.841	1.9779	6.57
19	40.324	2.2348	5.31	26	54.966	1.6692	5.94
20	42.482	2.1262	11.77	3	12.320	7.1786	5.83 ?
21	45.841	1.9779	6.57	19	40.324	2.2348	5.31
22	47.254	1.9220	3.20	12	29.891	2.9868	5.14
23	49.109	1.8537	3.60	13	30.854	2.8958	4.74
24	50.245	1.8144	11.03	31	64.156	1.4505	4.57
25	50.668	1.8002	4.34	29	62.042	1.4947	4.46
26	54.966	1.6692	5.94	17	38.492	2.3369	4.46
27	56.698	1.6222	3.77	25	50.668	1.8002	4.34
28	60.031	1.5399	15.54	27	56.698	1.6222	3.77
29	62.042	1.4947	4.46	23	49.109	1.8537	3.60
30	62.658	1.4815	3.31	30	62.658	1.4815	3.31
31	64.156	1.4505	4.57	22	47.254	1.9220	3.20



c 2.000

x : 2theta y : 1/50. Linear

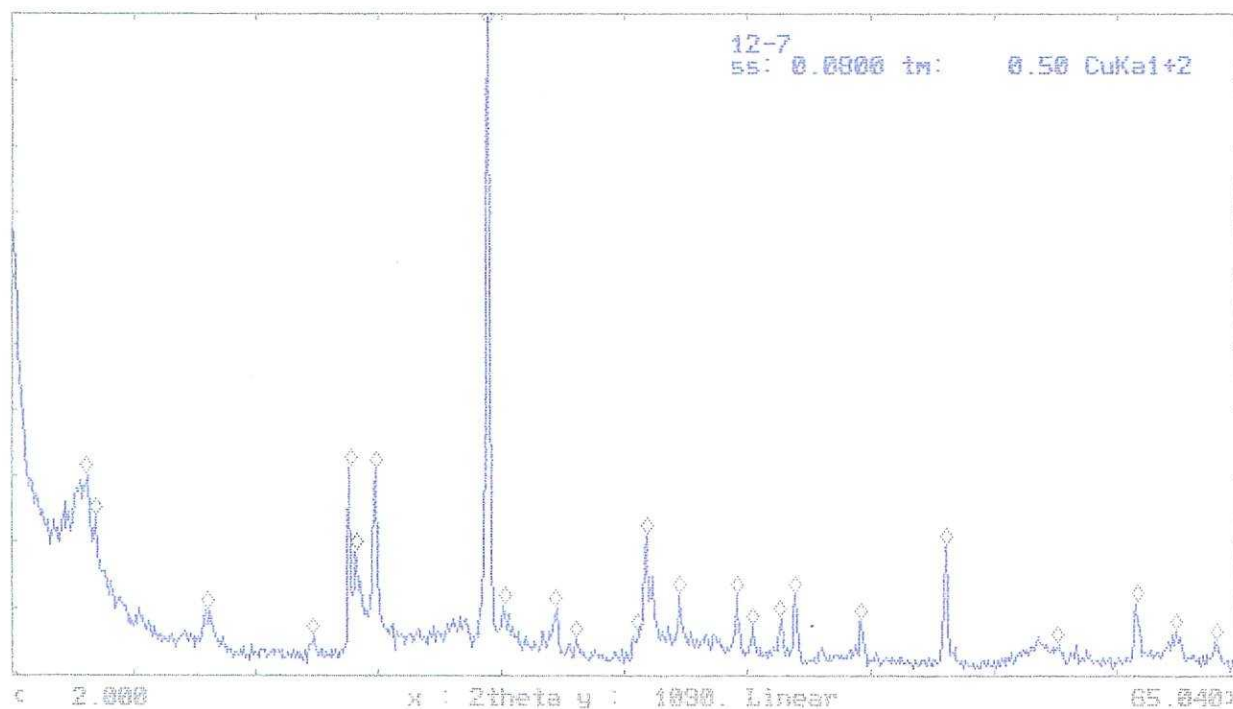
65.040

Sample: 12-7

15-Feb-1991 07:40:58

Data file: 12-7.RAW

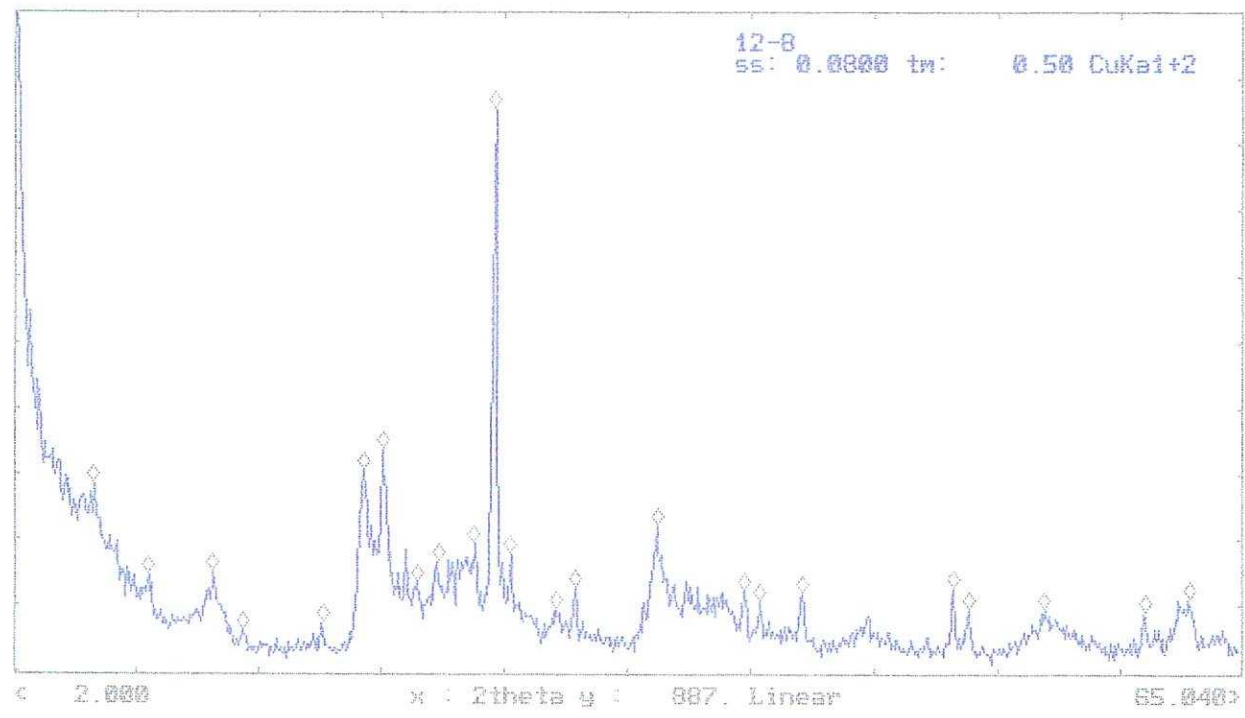
eq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.770	15.3056	30.46	8	26.494	3.3616	100.00
2	6.240	14.1528	23.85 ?	5	19.468	4.5560	31.47
3	12.108	7.3038	9.91	7	20.795	4.2682	31.38
4	17.555	5.0480	5.87	1	5.770	15.3056	30.46
5	19.468	4.5560	31.47	2	6.240	14.1528	23.85 ?
6	19.792	4.4822	18.81	13	34.762	2.5786	21.38
7	20.795	4.2682	31.38	20	50.110	1.8189	19.45
8	26.494	3.3616	100.00	6	19.792	4.4822	18.81
9	27.434	3.2484	10.64	18	42.367	2.1317	12.39
10	30.000	2.9762	10.46 ?	15	39.360	2.2873	12.39 ?
11	31.126	2.8711	5.60	14	36.452	2.4629	12.29
12	34.240	2.6167	6.88 ?	22	59.947	1.5418	11.10
13	34.762	2.5786	21.38	9	27.434	3.2484	10.64
14	36.452	2.4629	12.29	10	30.000	2.9762	10.46 ?
15	39.360	2.2873	12.39 ?	3	12.108	7.3038	9.91
16	40.173	2.2429	7.71	17	41.600	2.1692	8.99 ?
17	41.600	2.1692	8.99 ?	19	45.758	1.9813	8.44
18	42.367	2.1317	12.39	16	40.173	2.2429	7.71
19	45.758	1.9813	8.44	12	34.240	2.6167	6.88 ?
20	50.110	1.8189	19.45	23	61.980	1.4960	6.61
21	55.791	1.6464	4.68	4	17.555	5.0480	5.87
22	59.947	1.5418	11.10	11	31.126	2.8711	5.60
23	61.980	1.4960	6.61	24	64.061	1.4524	5.23
24	64.061	1.4524	5.23	21	55.791	1.6464	4.68



Sample: 12-8
Data file: 12-8.RAW

15-Feb-1991 07:56:04

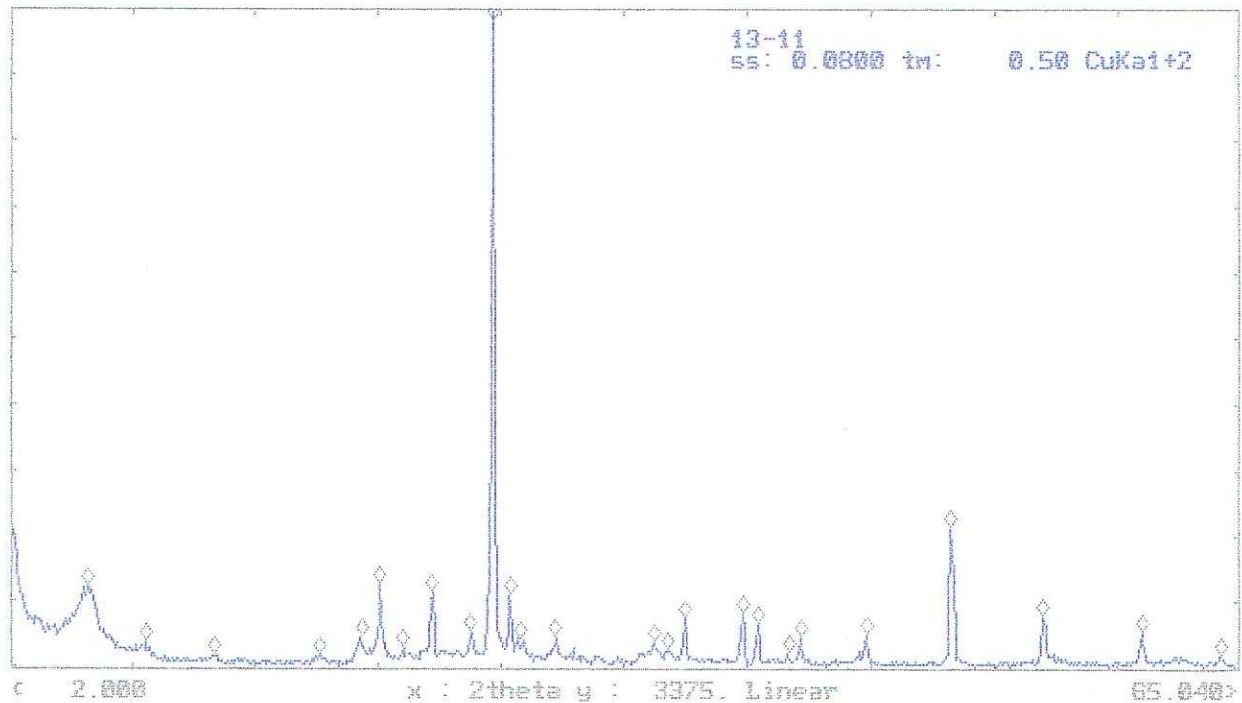
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.966	14.8015	33.47	11	26.774	3.3270	100.00
2	8.845	9.9899	17.39	7	21.039	4.2191	39.79
3	12.240	7.2253	17.65	6	20.039	4.4275	36.10
4	13.796	6.4139	7.38	1	5.966	14.8015	33.47
5	17.918	4.9466	8.70	15	35.151	2.5510	26.22
6	20.039	4.4275	36.10	10	25.668	3.4678	22.79
7	21.039	4.2191	39.79	12	27.553	3.2347	21.21
8	22.743	3.9068	15.94	9	23.832	3.7307	19.50
9	23.832	3.7307	19.50	3	12.240	7.2253	17.65
10	25.668	3.4678	22.79	2	8.845	9.9899	17.39
11	26.774	3.3270	100.00	8	22.743	3.9068	15.94
12	27.553	3.2347	21.21	14	30.894	2.8921	15.02
13	29.898	2.9861	11.33	19	50.298	1.8126	14.76
14	30.894	2.8921	15.02	16	39.655	2.2710	14.36
15	35.151	2.5510	26.22	18	42.566	2.1222	14.10
16	39.655	2.2710	14.36	23	62.419	1.4866	13.31
17	40.426	2.2295	12.78	17	40.426	2.2295	12.78
18	42.566	2.1222	14.10	21	54.975	1.6689	11.33
19	50.298	1.8126	14.76	13	29.898	2.9861	11.33
20	51.047	1.7877	11.20	20	51.047	1.7877	11.20
21	54.975	1.6689	11.33	22	60.152	1.5371	10.80
22	60.152	1.5371	10.80	5	17.918	4.9466	8.70
23	62.419	1.4866	13.31	4	13.796	6.4139	7.38

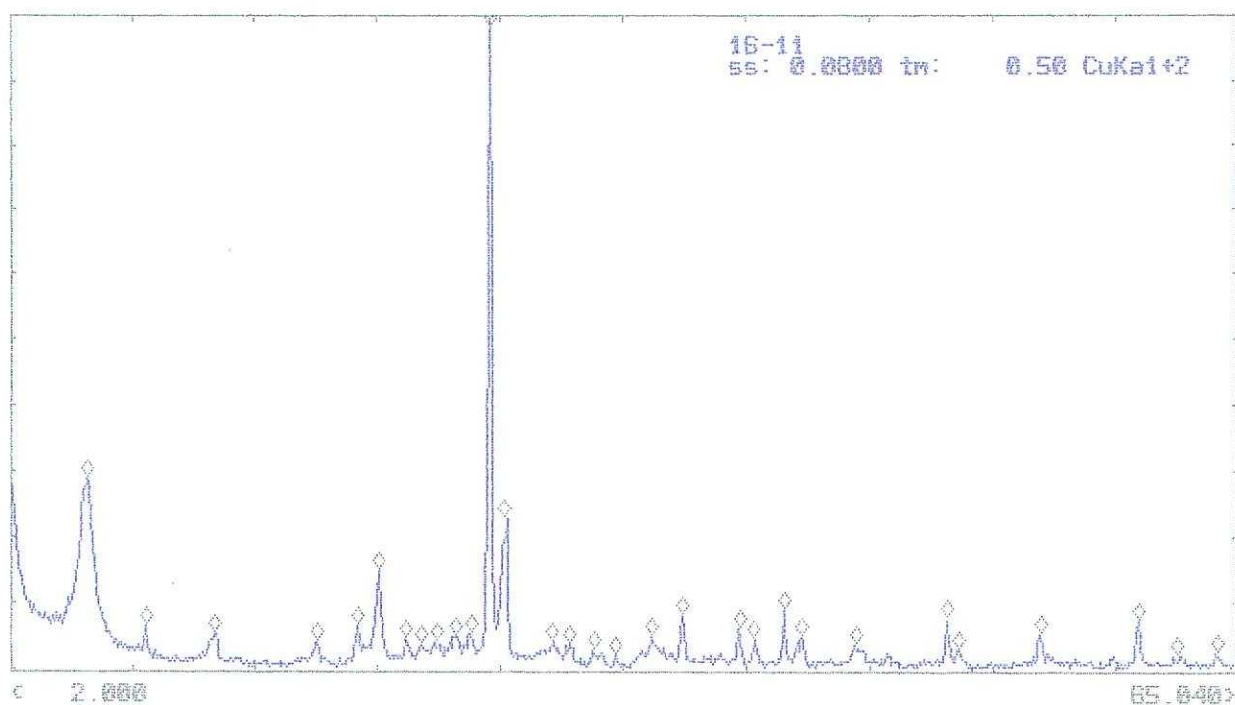


Sample: 13-11
Data file: 13-11.RAW

15-Feb-1991 08:31:26

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.901	14.9644	12.50	10	26.871	3.3153	100.00
2	8.894	9.9350	3.88	22	50.343	1.8111	21.57
3	12.496	7.0777	1.96	6	21.025	4.2220	12.62
4	17.906	4.9498	1.99	1	5.901	14.9644	12.50
5	20.075	4.4195	4.71	8	23.688	3.7530	11.70
6	21.025	4.2220	12.62	11	27.746	3.2127	11.17
7	22.208	3.9997	3.08	17	39.672	2.2701	8.44
8	23.688	3.7530	11.70	23	55.094	1.6656	7.97
9	25.680	3.4662	5.42 ?	16	36.757	2.4431	7.41
10	26.871	3.3153	100.00	18	40.476	2.2268	6.90
11	27.746	3.2127	11.17	24	60.200	1.5360	5.75
12	28.240	3.1576	4.56 ?	9	25.680	3.4662	5.42 ?
13	30.032	2.9731	4.71	21	46.029	1.9703	5.10
14	35.143	2.5515	3.94	20	42.671	2.1172	4.71
15	35.840	2.5035	2.90 ?	13	30.032	2.9731	4.71
16	36.757	2.4431	7.41	5	20.075	4.4195	4.71
17	39.672	2.2701	8.44	12	28.240	3.1576	4.56 ?
18	40.476	2.2268	6.90	14	35.143	2.5515	3.94
19	42.073	2.1459	2.43	2	8.894	9.9350	3.88
20	42.671	2.1172	4.71	7	22.208	3.9997	3.08
21	46.029	1.9703	5.10	15	35.840	2.5035	2.90 ?
22	50.343	1.8111	21.57	19	42.073	2.1459	2.43
23	55.094	1.6656	7.97	25	64.201	1.4495	2.19
24	60.200	1.5360	5.75	4	17.906	4.9498	1.99
25	64.201	1.4495	2.19	3	12.496	7.0777	1.96

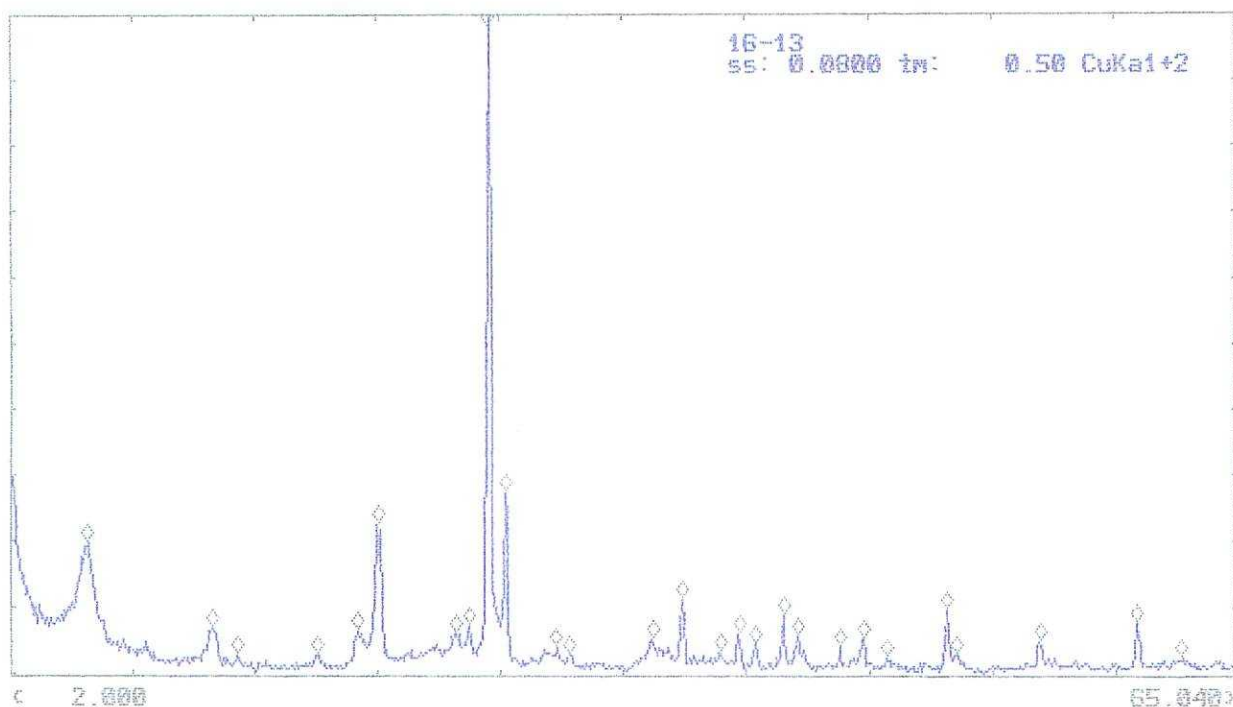




Sample: 16-11
Data File: 16-11.RAW

24-Feb-1991 09:00:15

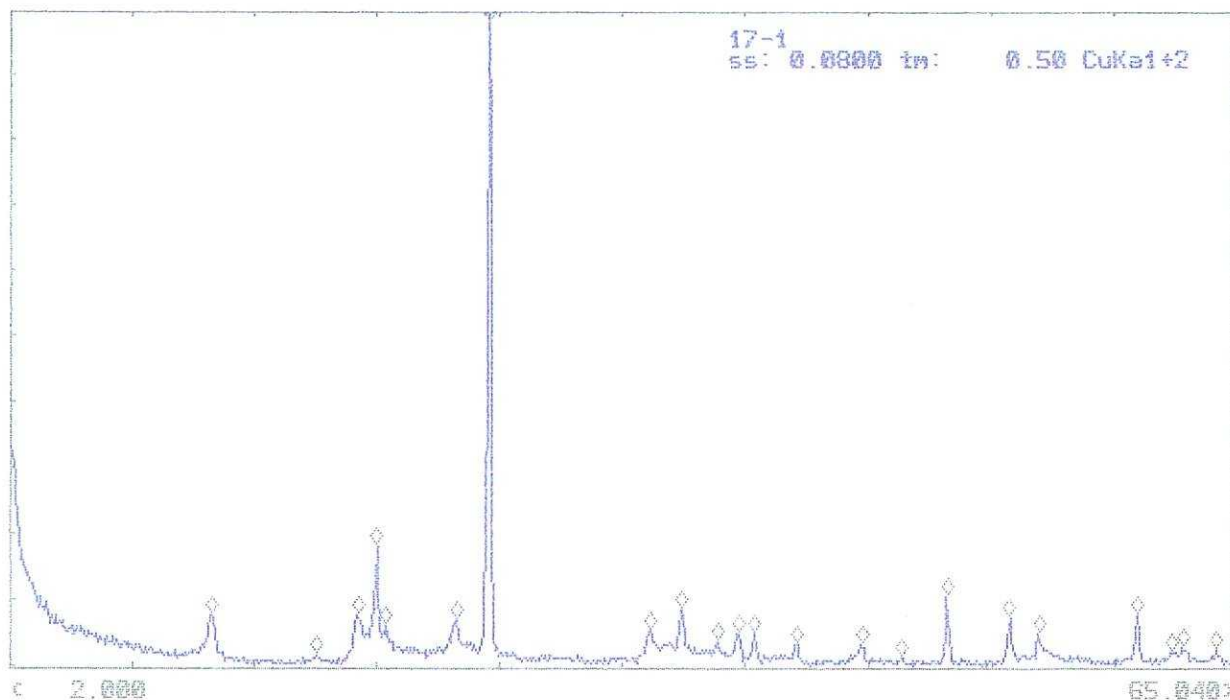
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.854	15.0863	29.34	12	26.700	3.3361	100.00
2	8.880	9.9503	6.82 ?	1	5.854	15.0863	29.34
3	12.469	7.0934	5.68	13	27.471	3.2441	23.10
4	17.794	4.9806	4.47	6	21.013	4.2243	15.07
5	19.880	4.4626	6.63	22	41.879	2.1554	9.01
6	21.013	4.2243	15.07	19	36.638	2.4508	8.52
7	22.413	3.9635	4.77	25	50.195	1.8160	8.00
8	23.152	3.8386	3.86	28	60.105	1.5382	7.72
9	23.951	3.7124	4.54	2	8.880	9.9503	6.82 ?
10	24.944	3.5668	5.30	5	19.880	4.4626	6.63
11	25.710	3.4622	5.72	20	39.592	2.2745	6.44
12	26.700	3.3361	100.00	11	25.710	3.4622	5.72
13	27.471	3.2441	23.10	3	12.469	7.0934	5.68
14	29.942	2.9819	4.43	27	55.014	1.6678	5.60
15	30.755	2.9048	3.82	18	35.072	2.5565	5.34
16	32.124	2.7842	3.14	10	24.944	3.5668	5.30
17	33.202	2.6962	2.35	23	42.749	2.1135	5.26
18	35.072	2.5565	5.34	7	22.413	3.9635	4.77
19	36.638	2.4508	8.52	21	40.338	2.2341	4.66
20	39.592	2.2745	6.44	9	23.951	3.7124	4.54
21	40.338	2.2341	4.66	4	17.794	4.9806	4.47
22	41.879	2.1554	9.01	14	29.942	2.9819	4.43
23	42.749	2.1135	5.26	24	45.526	1.9909	4.01
24	45.526	1.9909	4.01	8	23.152	3.8386	3.86
25	50.195	1.8160	8.00	15	30.755	2.9048	3.82
26	50.761	1.7971	3.26	26	50.761	1.7971	3.26
27	55.014	1.6678	5.60	16	32.124	2.7842	3.14
28	60.105	1.5382	7.72	30	64.152	1.4505	2.84
29	62.091	1.4937	2.50	29	62.091	1.4937	2.50
30	64.152	1.4505	2.84	17	22.302	2.6862	2.25



Sample: 16-13
Data file: 16-13.RAW

24-Feb-1991 09:07:57

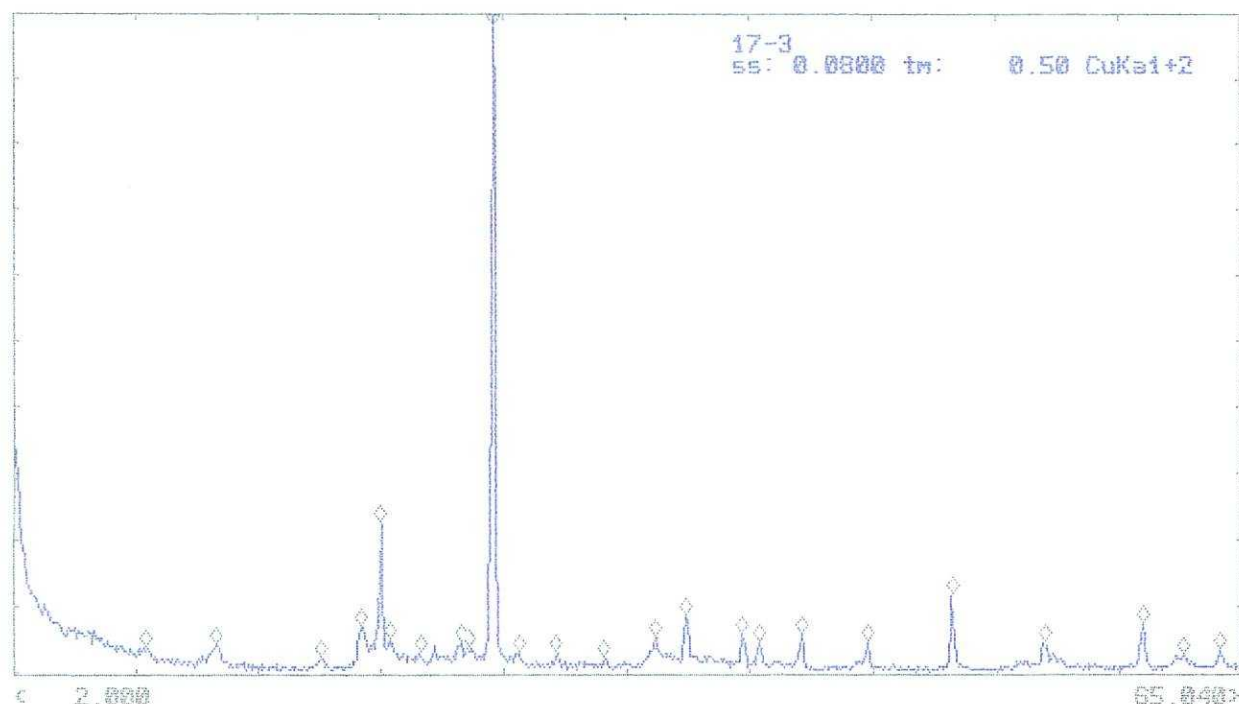
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.889	14.9952	20.06	9	26.651	3.3421	100.00
2	12.365	7.1523	7.16	10	27.551	3.2349	27.63
3	13.685	6.4656	3.28	6	21.025	4.2220	22.90
4	17.803	4.9781	3.36	1	5.889	14.9952	20.06
5	19.961	4.4445	6.63	14	36.638	2.4508	11.65
6	21.025	4.2220	22.90	23	50.240	1.8145	10.07 ?
7	24.961	3.5644	6.59	18	41.840	2.1573	9.18
8	25.655	3.4696	7.52	26	60.029	1.5399	8.09
9	26.651	3.3421	100.00	8	25.655	3.4696	7.52
10	27.551	3.2349	27.63	2	12.365	7.1523	7.16
11	30.110	2.9656	4.29	5	19.961	4.4445	6.63
12	30.835	2.8975	3.20	7	24.961	3.5644	6.59
13	35.120	2.5532	5.42 ?	16	39.572	2.2756	6.27
14	36.638	2.4508	11.65	19	42.552	2.1228	5.87
15	38.581	2.3317	3.76	21	45.914	1.9749	5.70
16	39.572	2.2756	6.27	13	35.120	2.5532	5.42 ?
17	40.362	2.2329	4.65	25	55.002	1.6682	5.22
18	41.840	2.1573	9.18	17	40.362	2.2329	4.65
19	42.552	2.1228	5.87	20	44.739	2.0240	4.49
20	44.739	2.0240	4.49	11	30.110	2.9656	4.29
21	45.914	1.9749	5.70	15	38.581	2.3317	3.76
22	47.167	1.9253	2.75	24	50.720	1.7985	3.36 ?
23	50.240	1.8145	10.07 ?	4	17.803	4.9781	3.36
24	50.720	1.7985	3.36 ?	3	13.685	6.4656	3.28
25	55.002	1.6682	5.22	12	30.835	2.8975	3.20
26	60.029	1.5399	8.09	22	47.167	1.9253	2.75
27	62.231	1.4906	2.63	27	62.231	1.4906	2.63



Sample: 17-1
Data file: 17-1.RAW

24-Feb-1991 09:15:28

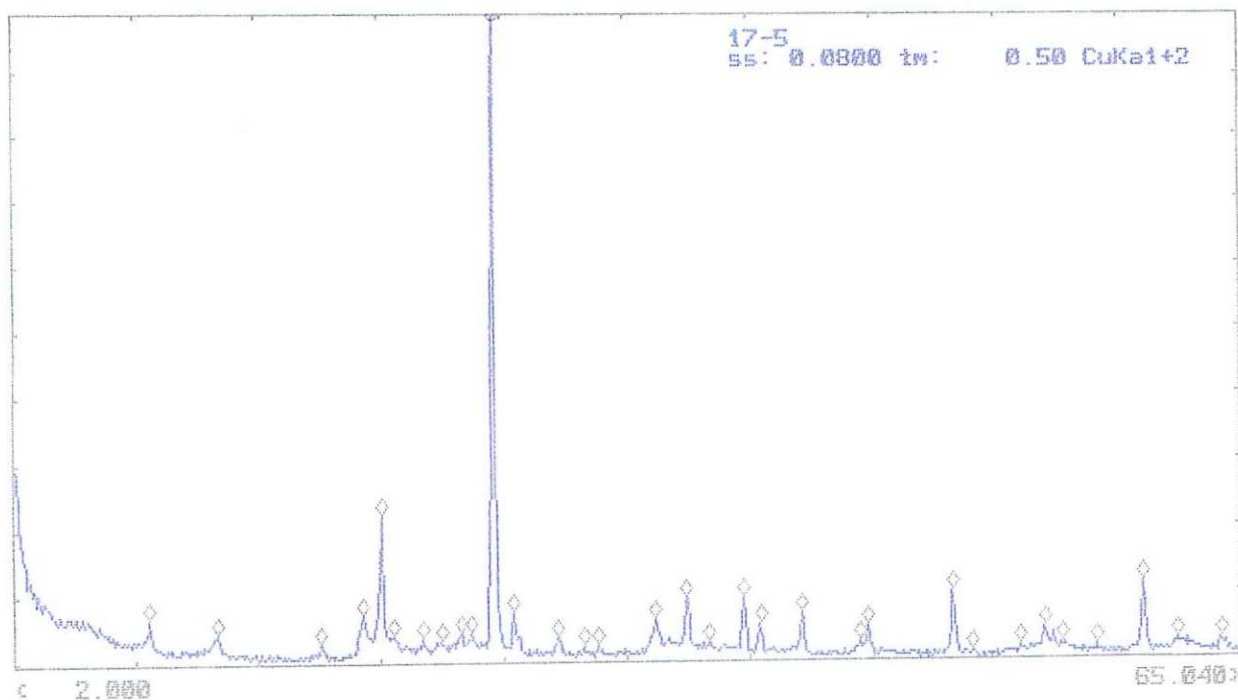
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	12.369	7.1503	7.99	7	26.751	3.3299	100.00
2	17.840	4.9679	2.12	4	20.892	4.2485	18.44
3	19.979	4.4406	7.99	16	50.295	1.8127	10.96
4	20.892	4.2485	18.44	9	36.675	2.4484	8.61
5	21.440	4.1412	6.39 ?	3	19.979	4.4406	7.99
6	25.029	3.5549	7.21	1	12.369	7.1503	7.99
7	26.751	3.3299	100.00	19	60.100	1.5383	7.89
8	35.042	2.5586	5.70	17	53.468	1.7124	7.58
9	36.675	2.4484	8.61	6	25.029	3.5549	7.21
10	38.543	2.3340	4.00	5	21.440	4.1412	6.39 ?
11	39.573	2.2755	5.33	8	35.042	2.5586	5.70
12	40.382	2.2318	5.29	11	39.573	2.2755	5.33
13	42.559	2.1225	3.55	12	40.382	2.2318	5.29
14	45.920	1.9747	3.79 ?	18	55.009	1.6680	5.05
15	47.910	1.8972	1.43	10	38.543	2.3340	4.00
16	50.295	1.8127	10.96	14	45.920	1.9747	3.79 ?
17	53.468	1.7124	7.58	13	42.559	2.1225	3.55
18	55.009	1.6680	5.05	21	62.435	1.4862	3.21
19	60.100	1.5383	7.89	22	64.173	1.4501	2.97
20	61.896	1.4979	2.56	20	61.896	1.4979	2.56
21	62.435	1.4862	3.21	2	17.840	4.9679	2.12
22	64.173	1.4501	2.97	15	47.910	1.8972	1.43



Sample: 17-3
Data file: 17-3.RAW

24-Feb-1991 10:23:13

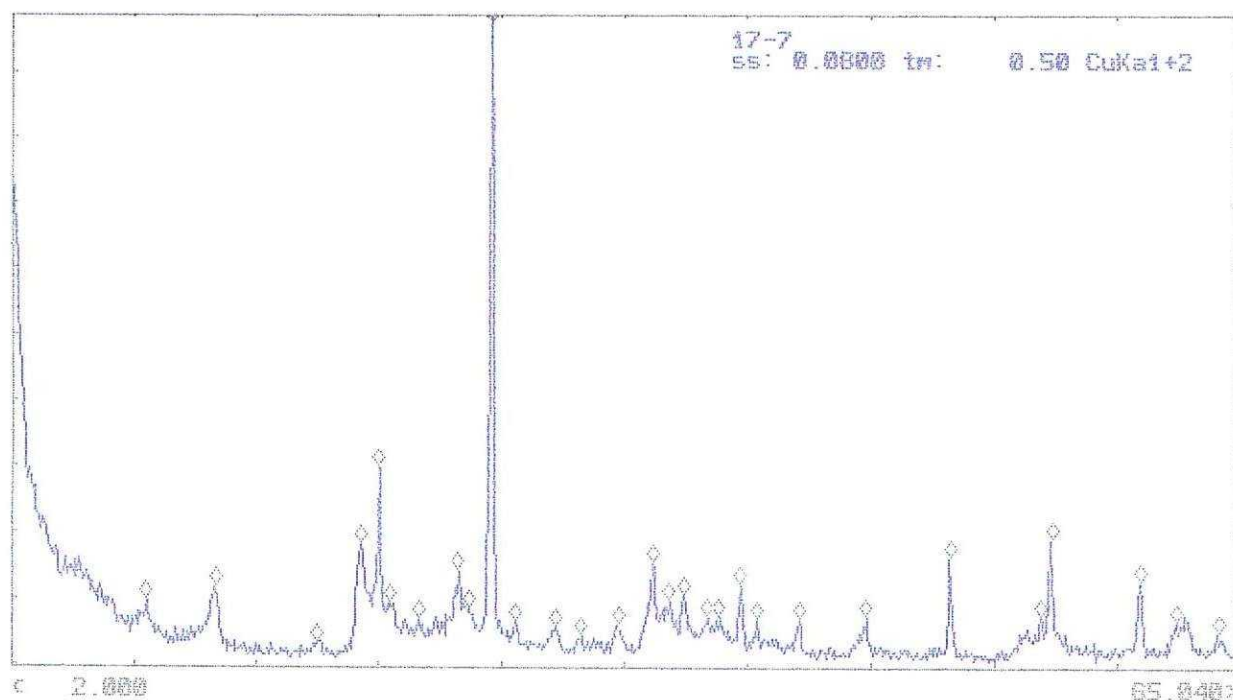
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	8.712	10.1419	3.94	10	26.752	3.3297	100.00
2	12.410	7.1268	4.57	5	20.903	4.2463	22.78
3	17.865	4.9611	2.58	20	50.289	1.8129	11.89
4	19.942	4.4487	7.29	15	36.679	2.4481	8.75
5	20.903	4.2463	22.78	22	60.109	1.5381	7.64
6	21.436	4.1419	5.34	4	19.942	4.4487	7.29
7	22.943	3.8732	3.14	18	42.554	2.1228	6.07
8	25.016	3.5568	4.71	16	39.523	2.2783	6.03
9	25.471	3.4941	3.91	14	35.053	2.5579	5.65
10	26.752	3.3297	100.00	6	21.436	4.1419	5.34
11	28.000	3.1841	3.38 ?	21	55.040	1.6671	4.99 ?
12	29.920	2.9840	3.10 ?	17	40.400	2.2308	4.81
13	32.413	2.7599	2.30	8	25.016	3.5568	4.71
14	35.053	2.5579	5.65	19	45.936	1.9740	4.67
15	36.679	2.4481	8.75	2	12.410	7.1268	4.57
16	39.523	2.2783	6.03	1	8.712	10.1419	3.94
17	40.400	2.2308	4.81	9	25.471	3.4941	3.91
18	42.554	2.1228	6.07	24	64.070	1.4522	3.42
19	45.936	1.9740	4.67	11	28.000	3.1841	3.38 ?
20	50.289	1.8129	11.89	7	22.943	3.8732	3.14
21	55.040	1.6671	4.99 ?	12	29.920	2.9840	3.10 ?
22	60.109	1.5381	7.64	23	62.172	1.4919	3.00
23	62.172	1.4919	3.00	3	17.865	4.9611	2.58
24	64.070	1.4522	3.42	13	32.413	2.7599	2.30



Sample: 17-5
Data file: 17-5.RAW

24-Feb-1991 10:30:45

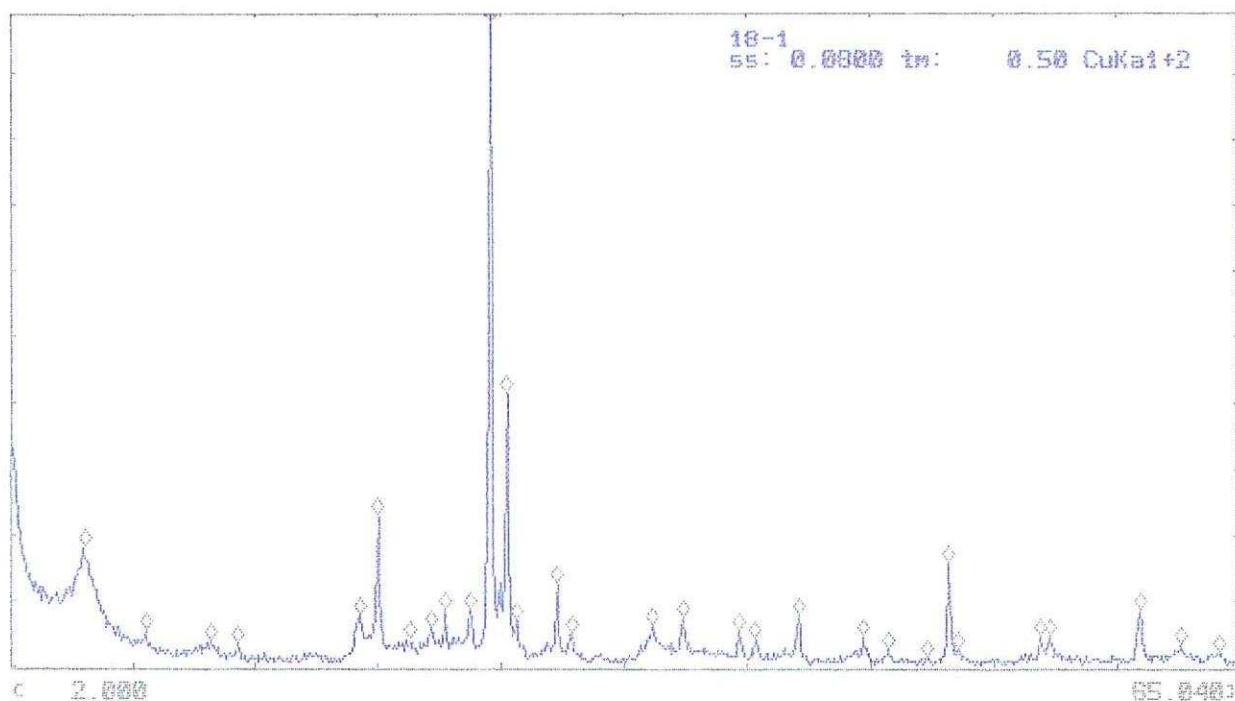
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	8.934	9.8901	6.76	11	26.800	3.3239	100.00 ?
2	12.472	7.0916	4.51	5	20.992	4.2286	22.26
3	17.842	4.9675	2.96	30	60.092	1.5385	11.59
4	19.984	4.4395	7.19	24	50.263	1.8137	10.46
5	20.992	4.2286	22.26	17	36.653	2.4498	9.72
6	21.575	4.1155	4.02	19	39.604	2.2738	9.51
7	23.092	3.8485	3.52	12	27.746	3.2126	7.68
8	24.043	3.6984	3.21	21	42.560	2.1225	7.36 ?
9	25.027	3.5551	4.37	4	19.984	4.4395	7.19
10	25.551	3.4835	4.40	1	8.934	9.8901	6.76
11	26.800	3.3239	100.00 ?	16	35.073	2.5565	6.34
12	27.746	3.2126	7.68	20	40.470	2.2271	5.78
13	30.031	2.9732	3.66	23	45.920	1.9747	5.39 ?
14	31.403	2.8464	2.47	27	55.010	1.6680	4.68
15	32.127	2.7839	2.40	2	12.472	7.0916	4.51
16	35.073	2.5565	6.34	10	25.551	3.4835	4.40
17	36.653	2.4498	9.72	9	25.027	3.5551	4.37
18	37.848	2.3752	2.99	6	21.575	4.1155	4.02
19	39.604	2.2738	9.51	13	30.031	2.9732	3.66
20	40.470	2.2271	5.78	7	23.092	3.8485	3.52
21	42.560	2.1225	7.36 ?	8	24.043	3.6984	3.21
22	45.524	1.9909	2.64	18	37.848	2.3752	2.99
23	45.920	1.9747	5.39 ?	3	17.842	4.9675	2.96
24	50.263	1.8137	10.46	32	64.157	1.4504	2.64
25	51.262	1.7807	1.06	31	61.853	1.4988	2.64
26	53.786	1.7030	2.04	22	45.524	1.9909	2.64
27	55.010	1.6680	4.68	14	31.403	2.8464	2.47



Sample: 17-7
Data file: 17-7.RAW

24-Feb-1991 10:38:37

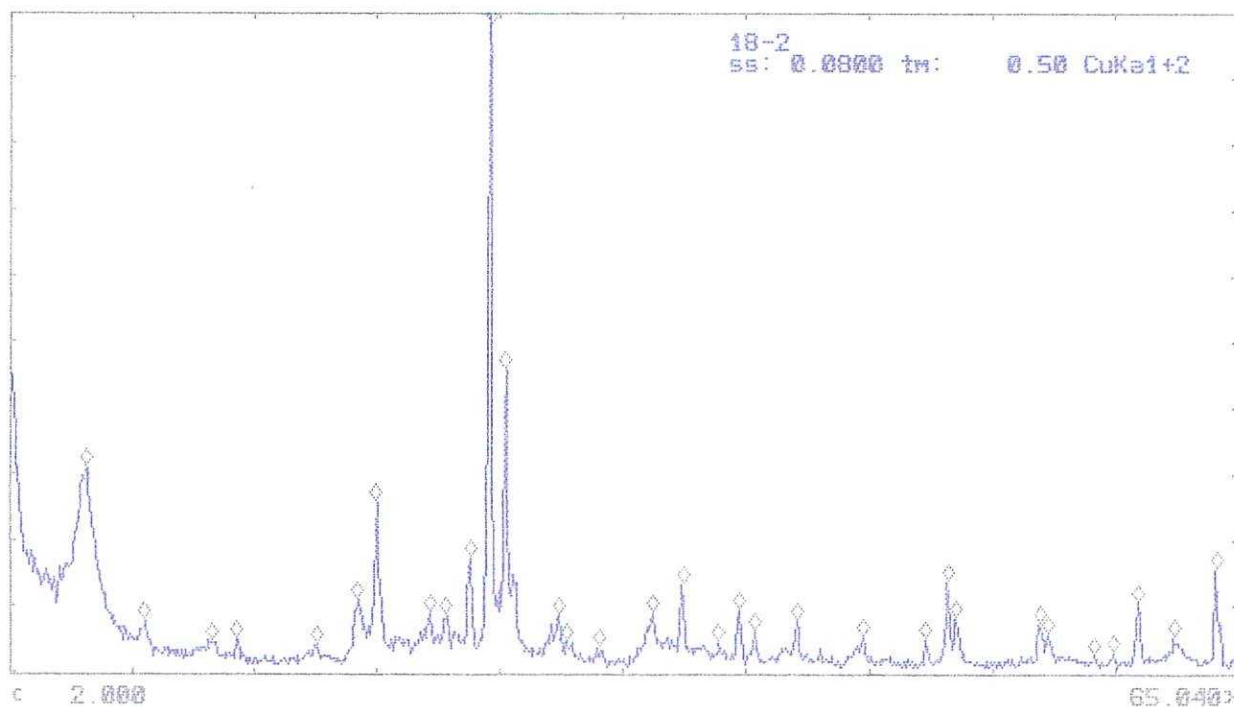
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	8.849	9.9853	10.12	10	26.749	3.3301	100.00
2	12.446	7.1061	12.07	5	20.923	4.2423	29.91
3	17.746	4.9939	3.52	26	55.496	1.6545	19.04
4	19.977	4.4410	18.52	4	19.977	4.4410	18.52
5	20.923	4.2423	29.91	24	50.294	1.8127	16.42
6	21.528	4.1244	9.67	15	35.040	2.5588	15.52 ?
7	23.026	3.8595	7.35	8	25.003	3.5586	14.54
8	25.003	3.5586	14.54	27	60.130	1.5376	12.67
9	25.574	3.4804	8.62	20	39.547	2.2770	12.59
10	26.749	3.3301	100.00	2	12.446	7.1061	12.07
11	27.973	3.1871	6.90	17	36.629	2.4514	10.94
12	29.997	2.9765	5.85	16	35.827	2.5044	10.19
13	31.330	2.8529	4.95	1	8.849	9.9853	10.12
14	33.224	2.6944	6.22	6	21.528	4.1244	9.67
15	35.040	2.5588	15.52 ?	9	25.574	3.4804	8.62
16	35.827	2.5044	10.19	19	38.438	2.3401	7.65
17	36.629	2.4514	10.94	25	54.979	1.6688	7.57
18	37.849	2.3751	7.42	23	45.952	1.9734	7.42
19	38.438	2.3401	7.65	18	37.849	2.3751	7.42
20	39.547	2.2770	12.59	7	23.026	3.8595	7.35
21	40.404	2.2306	7.27	21	40.404	2.2306	7.27
22	42.541	2.1234	7.20	22	42.541	2.1234	7.20
23	45.952	1.9734	7.42	28	61.963	1.4964	6.90
24	50.294	1.8127	16.42	11	27.973	3.1871	6.90
25	54.979	1.6688	7.57	14	33.224	2.6944	6.22
26	55.496	1.6545	19.04	12	29.997	2.9765	5.85
27	60.130	1.5376	12.67	29	64.150	1.4506	5.17
28	61.963	1.4964	6.90	13	31.330	2.8529	4.95
29	64.150	1.4506	5.17	3	17.746	4.9939	3.52



Sample: 18-1
Data file: 18-1.RAW

24-Feb-1991 10:43:08

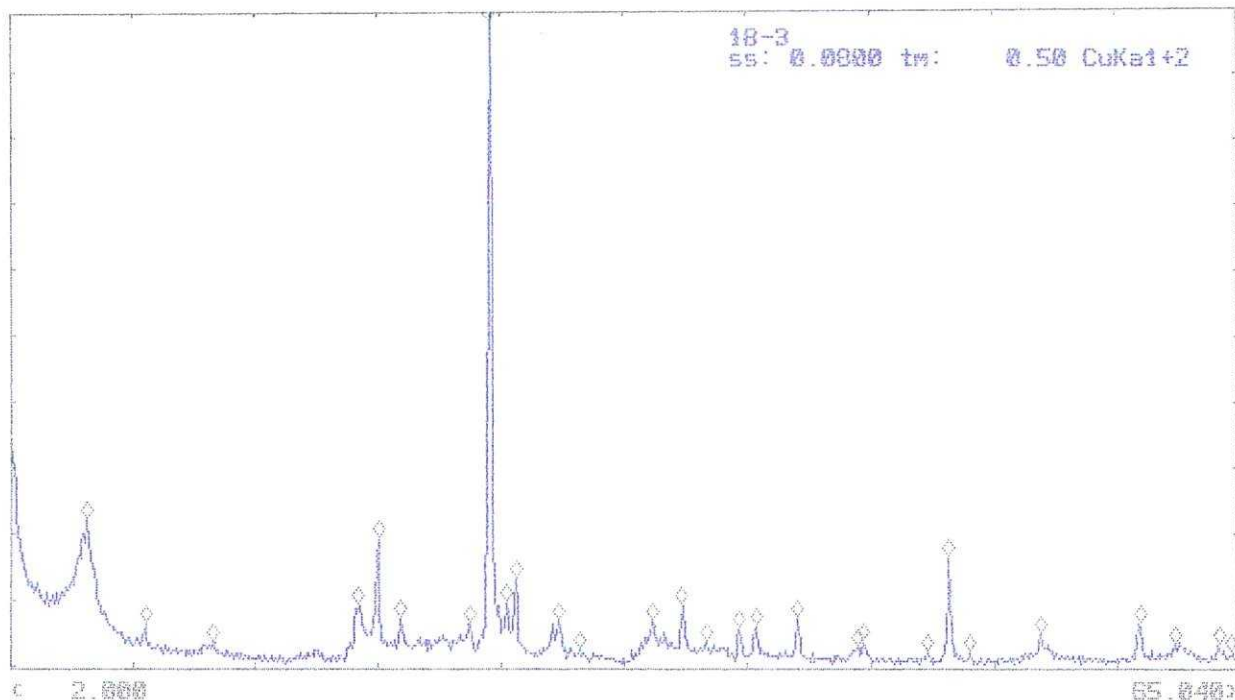
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.716	15.4480	18.34	11	26.727	3.3328	100.00
2	8.880	9.9503	5.66 ?	12	27.543	3.2359	41.61
3	12.320	7.1786	4.14 ?	6	20.919	4.2431	23.18
4	13.686	6.4650	3.69	1	5.716	15.4480	18.34
5	19.988	4.4386	7.84	24	50.218	1.8153	15.92
6	20.919	4.2431	23.18	14	30.107	2.9658	12.84
7	22.542	3.9411	4.23	10	25.675	3.4669	8.99
8	23.647	3.7594	5.95	9	24.347	3.6529	8.86
9	24.347	3.6529	8.86	28	60.085	1.5386	8.74
10	25.675	3.4669	8.99	20	42.556	2.1226	8.04
11	26.727	3.3328	100.00	5	19.988	4.4386	7.84
12	27.543	3.2359	41.61	17	36.604	2.4530	7.43
13	28.000	3.1841	7.30 ?	13	28.000	3.1841	7.30 ?
14	30.107	2.9658	12.84	16	35.060	2.5574	6.48
15	30.880	2.8934	5.33 ?	8	23.647	3.7594	5.95
16	35.060	2.5574	6.48	2	8.880	9.9503	5.66 ?
17	36.604	2.4530	7.43	18	39.520	2.2784	5.62 ?
18	39.520	2.2784	5.62 ?	15	30.880	2.8934	5.33 ?
19	40.329	2.2346	4.31	27	55.441	1.6560	4.88
20	42.556	2.1226	8.04	21	45.840	1.9779	4.68 ?
21	45.840	1.9779	4.68 ?	26	54.977	1.6689	4.64
22	47.116	1.9273	2.79	19	40.329	2.2346	4.31
23	49.074	1.8549	1.72	7	22.542	3.9411	4.23
24	50.218	1.8153	15.92	3	12.320	7.1786	4.14 ?
25	50.720	1.7985	2.91 ?	4	13.686	6.4650	3.69
26	54.977	1.6689	4.64	29	62.169	1.4920	3.65
27	55.441	1.6560	4.88	25	50.720	1.7985	2.91 ?
28	60.085	1.5386	8.74	22	47.116	1.9273	2.79
29	62.169	1.4920	3.65	30	64.168	1.4502	2.50
30	64.168	1.4502	2.50	23	49.074	1.8549	1.72



Sample: 18-2
Data File: 18-2.RAW

24-Feb-1991 10:48:02

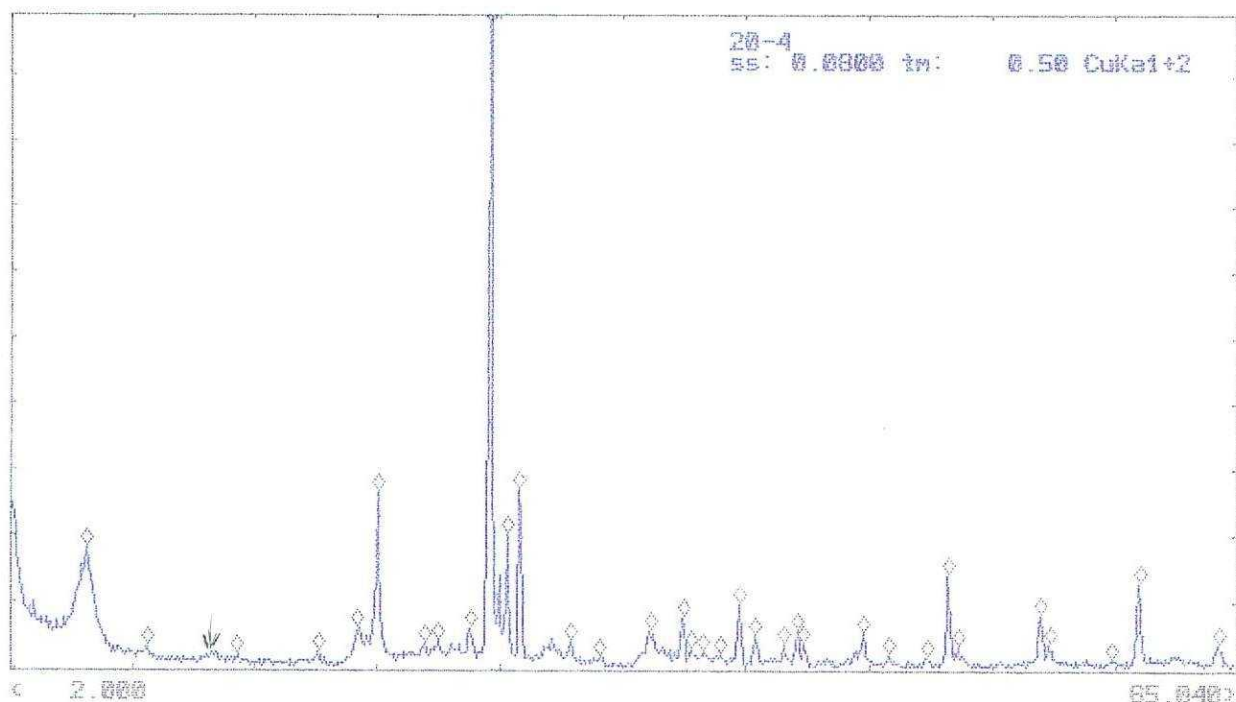
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.836	15.1314	31.06	11	26.791	3.3250	100.00
2	8.868	9.9635	7.88	12	27.538	3.2365	45.81
3	12.422	7.1197	4.73	1	5.836	15.1314	31.06
4	13.700	6.4583	5.06	7	20.923	4.2424	25.94
5	17.840	4.9679	4.28 ?	10	25.750	3.4570	17.61
6	19.957	4.4454	11.09	32	64.111	1.4514	15.93
7	20.923	4.2424	25.94	24	50.281	1.8131	14.12
8	23.680	3.7543	9.17 ?	17	36.689	2.4475	13.51
9	24.475	3.6341	8.78	6	19.957	4.4454	11.09
10	25.750	3.4570	17.61	30	60.135	1.5375	10.92
11	26.791	3.3250	100.00	19	39.567	2.2758	9.57
12	27.538	3.2365	45.81	16	35.160	2.5503	9.17
13	30.290	2.9484	8.95	8	23.680	3.7543	9.17 ?
14	30.720	2.9081	4.67 ?	13	30.290	2.9484	8.95
15	32.348	2.7653	4.11	9	24.475	3.6341	8.78
16	35.160	2.5503	9.17	25	50.688	1.7995	8.44
17	36.689	2.4475	13.51	21	42.558	2.1226	8.05
18	38.507	2.3360	4.73	2	8.868	9.9635	7.88
19	39.567	2.2758	9.57	26	54.997	1.6683	7.43
20	40.381	2.2318	6.30	20	40.381	2.2318	6.30
21	42.558	2.1226	8.05	27	55.440	1.6560	6.13 ?
22	45.960	1.9731	5.57	31	62.012	1.4953	5.74
23	49.120	1.8533	5.01 ?	22	45.960	1.9731	5.57
24	50.281	1.8131	14.12	4	13.700	6.4583	5.06
25	50.688	1.7995	8.44	23	49.120	1.8533	5.01 ?
26	54.997	1.6683	7.43	18	38.507	2.3360	4.73
27	55.440	1.6560	6.13 ?	3	12.422	7.1197	4.73
28	57.793	1.5941	2.70	14	30.720	2.9081	4.67 ?
29	58.773	1.5698	3.10	5	17.840	4.9679	4.28 ?
30	60.135	1.5375	10.92	15	32.348	2.7653	4.11
31	62.012	1.4953	5.74	29	58.773	1.5698	3.10
32	64.111	1.4514	15.93	28	57.793	1.5941	2.70



Sample: 18-3
Data file: 18-3.RAW

24-Feb-1991 10:53:26

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.838	15.1257	22.52	8	26.688	3.3376	100.00
2	8.880	9.9503	6.96 ?	1	5.838	15.1257	22.52
3	12.407	7.1283	4.19	5	20.960	4.2349	19.76 ?
4	19.920	4.4535	9.55	22	50.238	1.8146	16.73
5	20.960	4.2349	19.76 ?	10	27.979	3.1864	13.74
6	22.080	4.0226	7.67 ?	9	27.520	3.2385	10.08 ?
7	25.649	3.4704	6.65	14	36.571	2.4551	9.63
8	26.688	3.3376	100.00	4	19.920	4.4535	9.55
9	27.520	3.2385	10.08 ?	6	22.080	4.0226	7.67 ?
10	27.979	3.1864	13.74	18	42.480	2.1263	7.63 ?
11	30.210	2.9560	7.14	13	35.091	2.5552	7.36
12	31.244	2.8605	2.68	11	30.210	2.9560	7.14
13	35.091	2.5552	7.36	2	8.880	9.9503	6.96 ?
14	36.571	2.4551	9.63	7	25.649	3.4704	6.65
15	37.823	2.3767	3.88	25	60.064	1.5391	6.60
16	39.532	2.2778	6.07	17	40.371	2.2324	6.33
17	40.371	2.2324	6.33	16	39.532	2.2778	6.07
18	42.480	2.1263	7.63 ?	24	54.947	1.6697	5.17
19	45.520	1.9911	3.12 ?	20	45.844	1.9778	4.19
20	45.844	1.9778	4.19	3	12.407	7.1283	4.19
21	49.141	1.8525	2.27	15	37.823	2.3767	3.88
22	50.238	1.8146	16.73	27	64.161	1.4504	3.48
23	51.268	1.7805	2.23	26	61.903	1.4977	3.48
24	54.947	1.6697	5.17	19	45.520	1.9911	3.12 ?
25	60.064	1.5391	6.60	12	31.244	2.8605	2.68
26	61.903	1.4977	3.48	28	64.758	1.4384	2.41
27	64.161	1.4504	3.48	21	49.141	1.8525	2.27
28	64.758	1.4384	2.41	23	51.268	1.7805	2.23

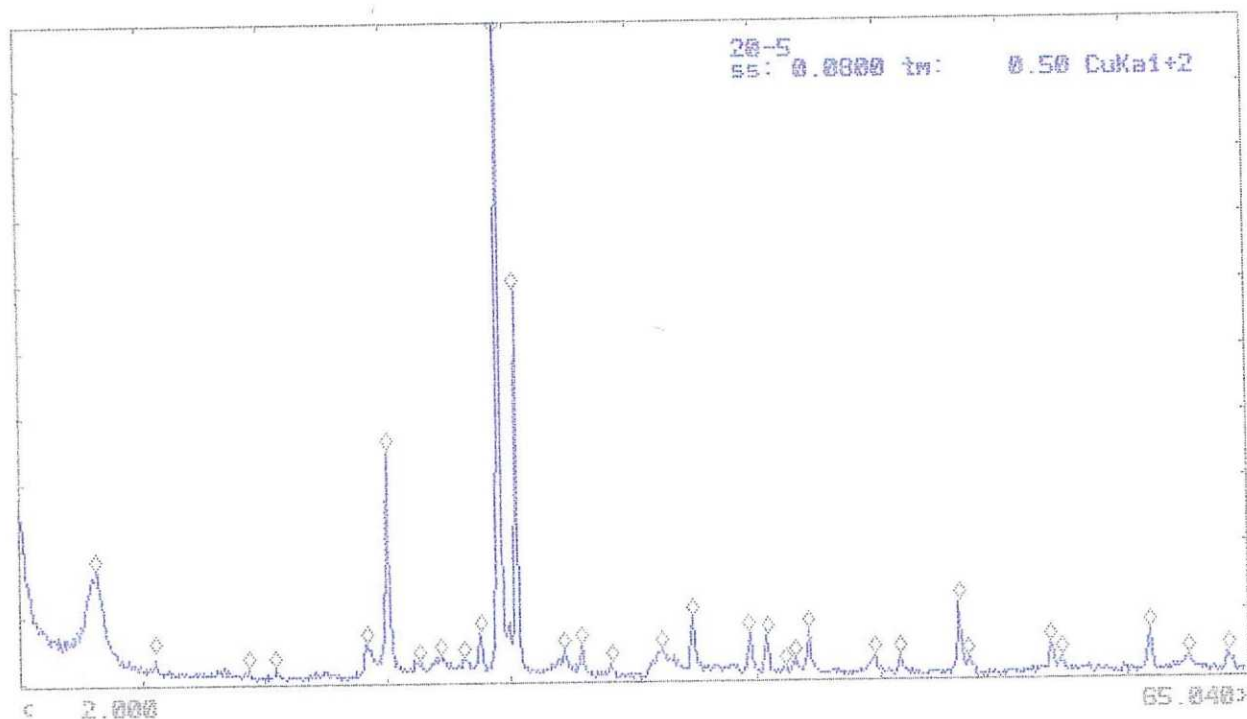


Sample: 20-4
Data file: 20-4.RAW

24-Feb-1991 10:58:31

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.840	15.1213	18.42 ?	10	26.797	3.3242	100.00
2	8.979	9.8413	3.45	12	28.240	3.1576	27.30 ?
3	13.680	6.4678	2.22 ?	6	20.975	4.2319	26.65
4	17.895	4.9528	2.91	11	27.616	3.2275	20.60
5	19.948	4.4473	6.24	1	5.840	15.1213	18.42 ?
6	20.975	4.2319	26.65	28	50.294	1.8127	14.20
7	23.361	3.8048	3.87	33	60.149	1.5371	13.13
8	24.060	3.6958	4.29	20	39.579	2.2752	9.80
9	25.717	3.4613	6.28	30	55.020	1.6677	8.27
10	26.797	3.3242	100.00	16	36.692	2.4473	8.08
11	27.616	3.2275	20.60	9	25.717	3.4613	6.28
12	28.240	3.1576	27.30 ?	5	19.948	4.4473	6.24
13	30.906	2.8910	4.40	23	42.569	2.1220	6.09
14	32.400	2.7610	2.14 ?	15	35.037	2.5590	6.09
15	35.037	2.5590	6.09	25	45.907	1.9752	5.55
16	36.692	2.4473	8.08	21	40.423	2.2296	5.40
17	37.107	2.4209	3.22	13	30.906	2.8910	4.40
18	37.762	2.3804	2.83	8	24.060	3.6958	4.29
19	38.567	2.3325	2.34	31	55.520	1.6538	4.13 ?
20	39.579	2.2752	9.80	24	42.880	2.1074	4.10 ?
21	40.423	2.2296	5.40	34	64.214	1.4493	3.91
22	41.920	2.1534	3.87 ?	22	41.920	2.1534	3.87 ?
23	42.569	2.1220	6.09	7	23.361	3.8048	3.87
24	42.880	2.1074	4.10 ?	29	50.800	1.7958	3.52 ?
25	45.907	1.9752	5.55	2	8.979	9.8413	3.45
26	47.200	1.9241	2.30 ?	17	37.107	2.4209	3.22
27	49.167	1.8516	1.91	4	17.895	4.9528	2.91
28	50.294	1.8127	14.20	18	37.762	2.3804	2.83
29	50.800	1.7958	3.52 ?	19	38.567	2.3325	2.34
30	55.020	1.6677	8.27	26	47.200	1.9241	2.30 ?
31	55.520	1.6538	4.13 ?	3	13.680	6.4678	2.22 ?
32	58.754	1.5703	1.80	14	32.400	2.7610	2.14 ?
33	60.149	1.5371	13.13	27	49.167	1.8516	1.91

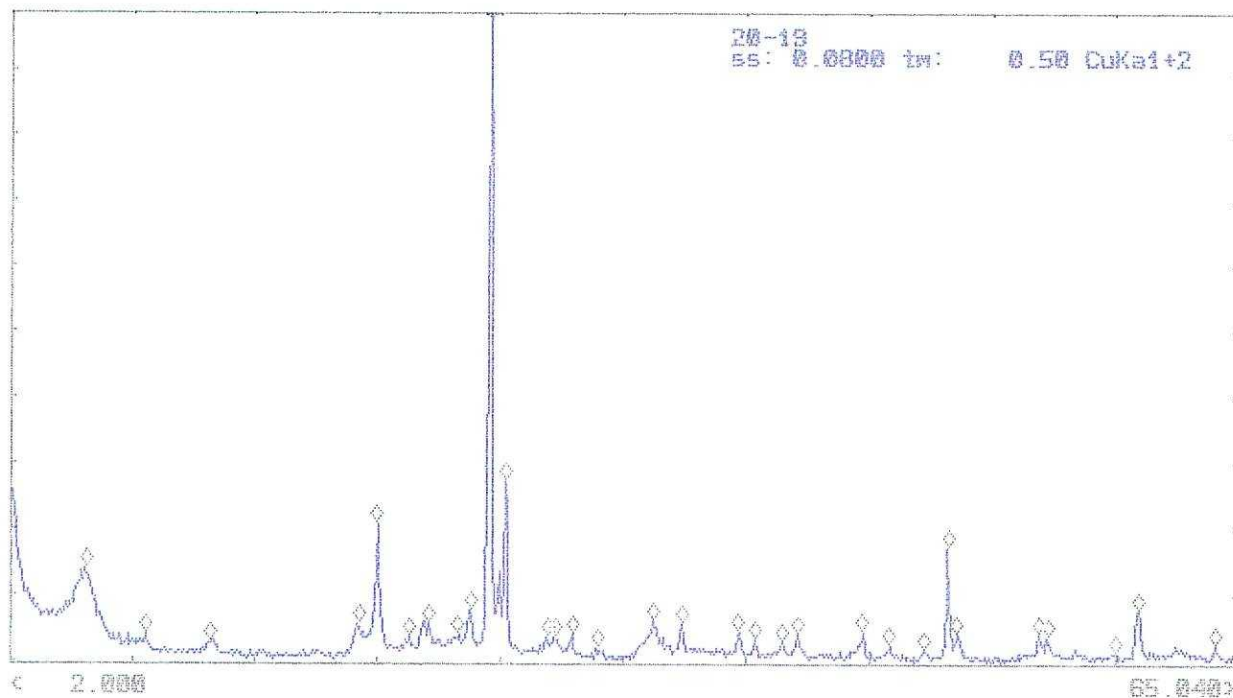
34 64.214 1.4493 3.91 32 58.754 1.5703 1.80



Sample: 20-5
Data file: 20-5.RAW

24-Feb-1991 11:03:34

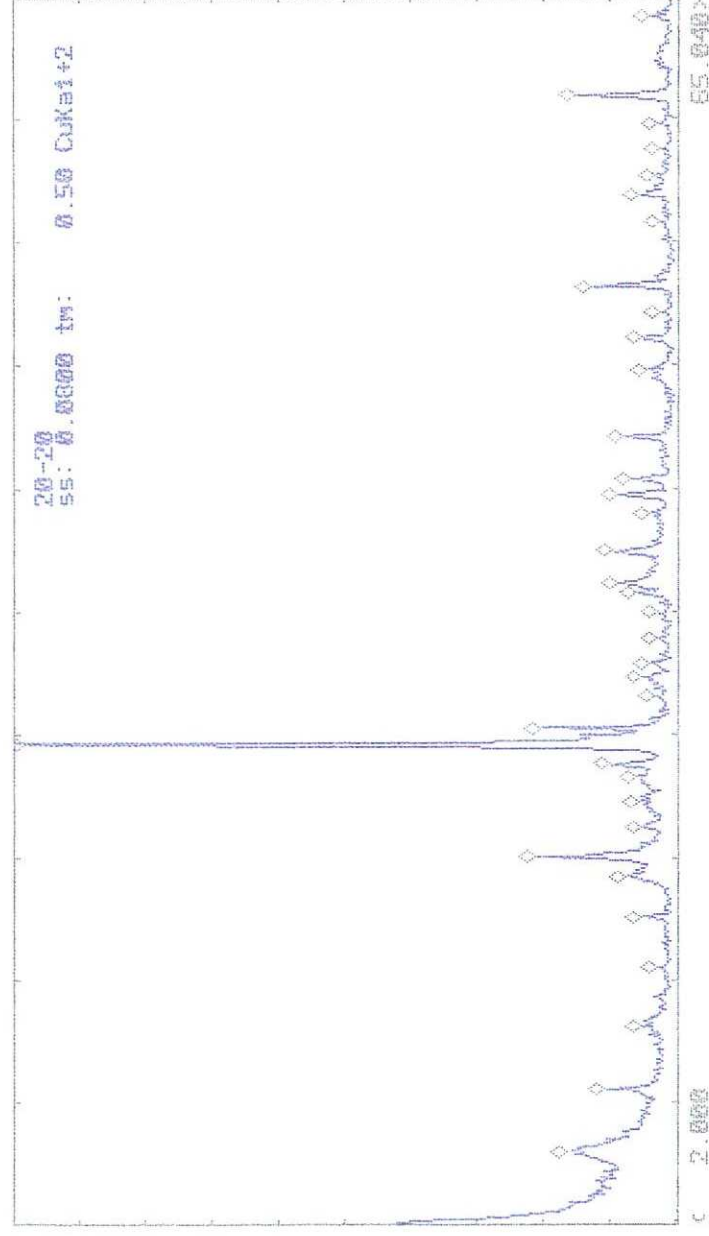
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.872	15.0381	17.38	11	26.779	3.3265	100.00
2	8.927	9.8975	4.80	12	27.577	3.2320	59.08
3	13.759	6.4310	2.41	6	20.991	4.2288	35.25
4	15.193	5.8268	2.34	1	5.872	15.0381	17.38
5	19.918	4.4541	6.12	25	50.288	1.8129	11.68
6	20.991	4.2288	35.25	17	36.608	2.4527	9.45
7	22.561	3.9379	3.22	10	25.758	3.4559	7.60
8	23.704	3.7506	4.00	22	42.592	2.1210	7.56
9	24.908	3.5719	3.56	29	60.068	1.5390	7.26
10	25.758	3.4559	7.60	18	39.530	2.2779	7.19
11	26.779	3.3265	100.00	19	40.448	2.2283	6.63
12	27.577	3.2320	59.08	5	19.918	4.4541	6.12
13	30.044	2.9719	4.67	14	30.880	2.8934	5.67 ?
14	30.880	2.8934	5.67 ?	27	54.985	1.6687	5.19
15	32.453	2.7566	2.93	2	8.927	9.8975	4.80
16	35.047	2.5583	4.71	16	35.047	2.5583	4.71
17	36.608	2.4527	9.45	13	30.044	2.9719	4.67
18	39.530	2.2779	7.19	8	23.704	3.7506	4.00
19	40.448	2.2283	6.63	24	47.267	1.9215	3.67
20	41.367	2.1809	1.93	23	45.901	1.9755	3.63
21	41.913	2.1537	3.34	31	64.166	1.4503	3.60
22	42.592	2.1210	7.56	9	24.908	3.5719	3.56
23	45.901	1.9755	3.63	21	41.913	2.1537	3.34
24	47.267	1.9215	3.67	26	50.720	1.7985	3.30 ?
25	50.288	1.8129	11.68	7	22.561	3.9379	3.22
26	50.720	1.7985	3.30 ?	28	55.520	1.6538	3.08 ?
27	54.985	1.6687	5.19	30	62.073	1.4940	3.04
28	55.520	1.6538	3.08 ?	15	32.453	2.7566	2.93
29	60.068	1.5390	7.26	3	13.759	6.4310	2.41
30	62.073	1.4940	3.04	4	15.193	5.8268	2.34
31	64.166	1.4503	3.60	20	41.367	2.1809	1.93



Sample: 20-19
Data file: 20-19.RAW

24-Feb-1991 11:09:29

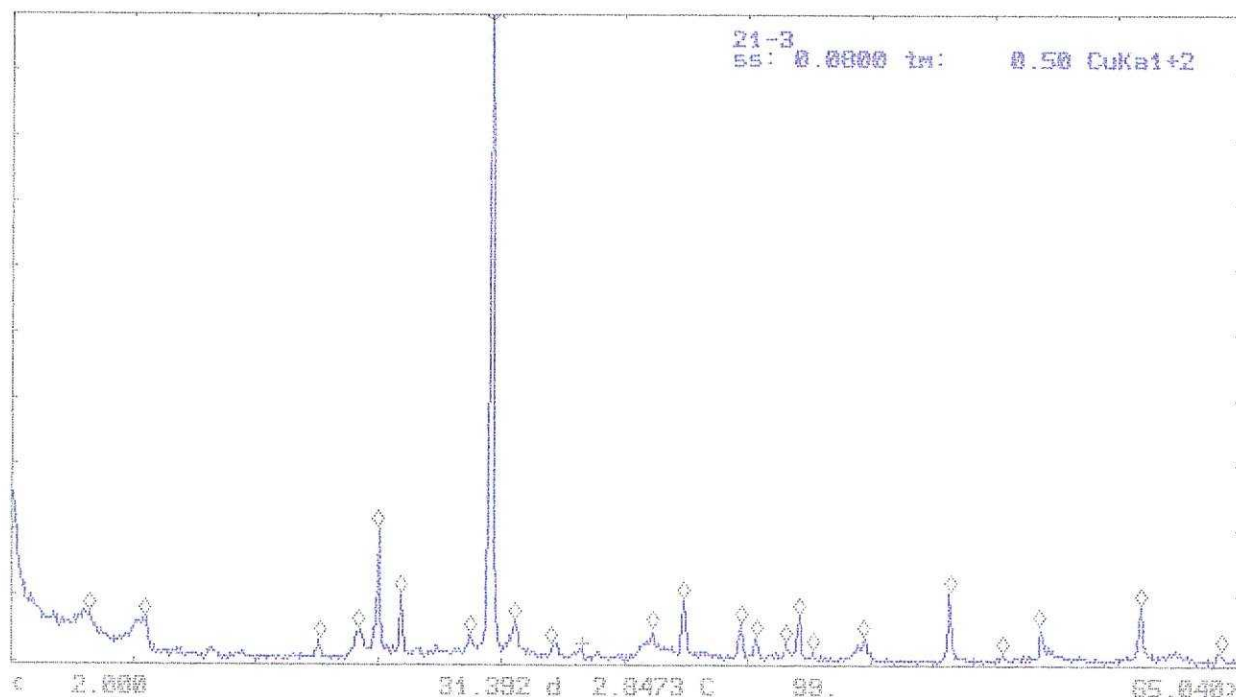
Seq	2-theta	Height	Rel. I	Seq	2-theta	Height	Rel. I
1	5.848	15.1005	14.36	10	26.733	3.3321	100.00
2	8.880	9.9503	4.58 ?	11	27.520	3.2385	27.42 ?
3	12.276	7.2043	3.24	5	20.951	4.2367	21.13
4	19.963	4.4441	5.88	25	50.259	1.8139	17.52
5	20.951	4.2367	21.13	1	5.848	15.1005	14.36
6	22.550	3.9397	4.13	30	60.073	1.5389	7.96
7	23.620	3.7636	5.80	9	25.734	3.4591	7.89
8	25.072	3.5488	4.58	16	35.199	2.5476	6.21
9	25.734	3.4591	7.89	17	36.612	2.4525	5.99
10	26.733	3.3321	100.00	4	19.963	4.4441	5.88
11	27.520	3.2385	27.42 ?	7	23.620	3.7636	5.80
12	29.680	3.0076	4.09 ?	22	45.842	1.9778	4.72
13	30.064	2.9700	3.83	18	39.525	2.2782	4.65
14	30.960	2.8861	4.58 ?	14	30.960	2.8861	4.58 ?
15	32.240	2.7744	2.23 ?	8	25.072	3.5488	4.58
16	35.199	2.5476	6.21	2	8.880	9.9503	4.58 ?
17	36.612	2.4525	5.99	26	50.733	1.7981	4.50
18	39.525	2.2782	4.65	27	54.979	1.6688	4.39
19	40.399	2.2309	3.42	21	42.580	2.1215	4.20
20	41.827	2.1580	3.39	6	22.550	3.9397	4.13
21	42.580	2.1215	4.20	28	55.417	1.6567	4.09
22	45.842	1.9778	4.72	12	29.680	3.0076	4.09 ?
23	47.220	1.9233	2.68	13	30.064	2.9700	3.83
24	49.002	1.8574	2.19	19	40.399	2.2309	3.42
25	50.259	1.8139	17.52	20	41.827	2.1580	3.39
26	50.733	1.7981	4.50	3	12.276	7.2043	3.24
27	54.979	1.6688	4.39	31	64.080	1.4520	2.68 ?
28	55.417	1.6567	4.09	23	47.220	1.9233	2.68
29	58.857	1.5678	1.64	15	32.240	2.7744	2.23 ?
30	60.073	1.5389	7.96	24	49.002	1.8574	2.19
31	64.080	1.4520	2.68 ?	29	58.857	1.5678	1.64



Sample: 20-20
Data file: 20-20.RAW

24-Feb-1991 11:14:25

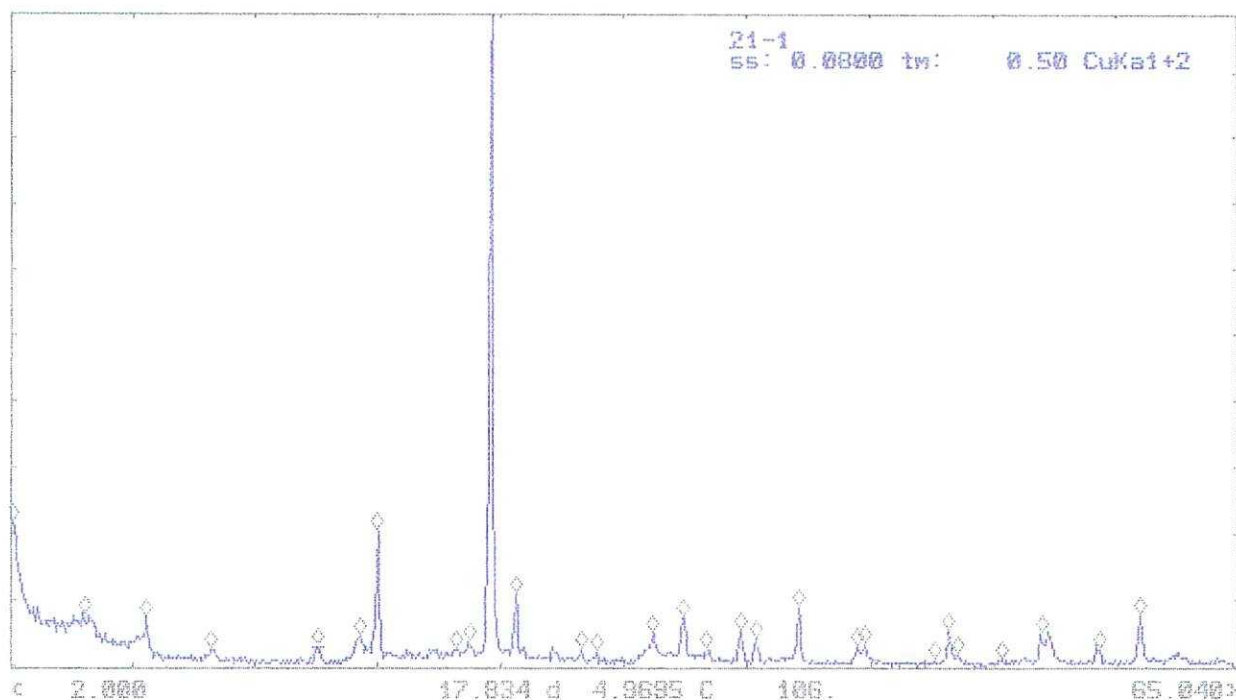
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.662	15.5971	16.40	12	26.720	3.3335	100.00 ?
2	8.930	9.8947	10.65	7	21.018	4.2234	21.11
3	12.240	7.2253	5.08 ?	13	27.561	3.2337	20.20
4	15.279	5.7942	2.81	1	5.662	15.5971	16.40
5	17.842	4.9673	5.03	35	60.110	1.5380	15.33
6	19.945	4.4480	7.69	29	50.240	1.8145	12.71 ?
7	21.018	4.2234	21.11	2	8.930	9.8947	10.65
8	22.523	3.9445	5.08	11	25.728	3.4598	9.85
9	23.724	3.7474	5.48	21	36.715	2.4458	9.75
10	25.075	3.5484	6.03	23	39.589	2.2746	8.84
11	25.728	3.4598	9.85	20	35.084	2.5557	8.69
12	26.720	3.3335	100.00 ?	25	42.586	2.1212	7.99
13	27.561	3.2337	20.20	6	19.945	4.4480	7.69
14	29.200	3.0559	3.07 ?	24	40.433	2.2291	6.68
15	30.195	2.9574	5.08	10	25.075	3.5484	6.03
16	30.887	2.8927	4.02	19	34.560	2.5932	5.88 ?
17	32.206	2.7772	2.76	31	54.982	1.6687	5.58
18	33.529	2.6706	2.66	9	23.724	3.7474	5.48
19	34.560	2.5932	5.88 ?	27	47.893	1.9091	5.18
20	35.084	2.5557	8.69	15	30.195	2.9574	5.08
21	36.715	2.4458	9.75	8	22.523	3.9445	5.08
22	38.640	2.3283	4.17 ?	3	12.240	7.2253	5.08 ?
23	39.589	2.2746	8.84	5	17.842	4.9673	5.03
24	40.433	2.2291	6.68	26	45.924	1.9745	4.52
25	42.586	2.1212	7.99	22	38.640	2.3283	4.17 ?
26	45.924	1.9745	4.52	16	30.887	2.8927	4.02
27	47.593	1.9091	5.18	36	64.172	1.4501	3.92
28	48.934	1.8599	2.36	32	55.961	1.6418	3.22
29	50.240	1.8145	12.71 ?	14	29.200	3.0559	3.07 ?
30	53.531	1.7105	2.31	4	15.279	5.7942	2.81
31	54.982	1.6687	5.58	17	32.206	2.7772	2.76
32	55.961	1.6418	3.22	18	33.529	2.6706	2.66



Sample: 21-3
Data file: 21-3.RAW

24-Feb-1991 11:25:44

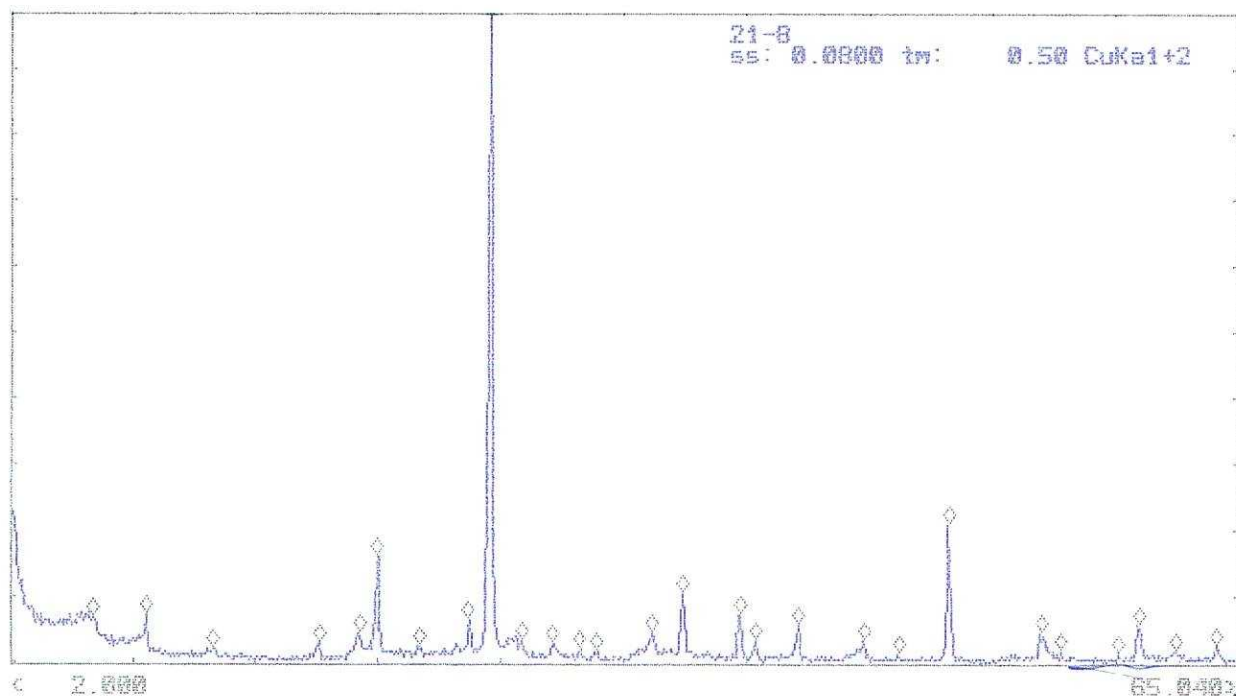
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.987	14.7502	7.58	8	26.744	3.3307	100.00
2	8.800	10.0405	6.93 ?	5	20.924	4.2422	20.44
3	17.889	4.9545	3.51	19	50.249	1.8142	10.74
4	19.943	4.4485	5.16	6	22.129	4.0138	10.44
5	20.924	4.2422	20.44	12	36.654	2.4498	9.67
6	22.129	4.0138	10.44	22	60.063	1.5391	8.67
7	25.605	3.4762	4.26	1	5.987	14.7502	7.58
8	26.744	3.3307	100.00	16	42.547	2.1231	7.09
9	27.924	3.1926	6.48	2	8.800	10.0405	6.93 ?
10	29.840	2.9918	2.74 ?	9	27.924	3.1926	6.48
11	35.054	2.5578	5.20	13	39.564	2.2760	6.03
12	36.654	2.4498	9.67	21	54.847	1.6725	5.60
13	39.564	2.2760	6.03	11	35.054	2.5578	5.20
14	40.398	2.2309	4.00	4	19.943	4.4485	5.16
15	41.863	2.1562	3.06	7	25.605	3.4762	4.26
16	42.547	2.1231	7.09	18	45.852	1.9775	4.09
17	43.301	2.0878	1.81	14	40.398	2.2309	4.00
18	45.852	1.9775	4.09	3	17.889	4.9545	3.51
19	50.249	1.8142	10.74	15	41.863	2.1562	3.06
20	52.957	1.7277	1.45	10	29.840	2.9918	2.74 ?
21	54.847	1.6725	5.60	23	64.240	1.4488	1.81 ?
22	60.063	1.5391	8.67	17	43.301	2.0878	1.81
23	64.240	1.4488	1.81 ?	20	52.957	1.7277	1.45



Sample: 21-1
Data file: 21-1.RAW

24-Feb-1991 11:20:20

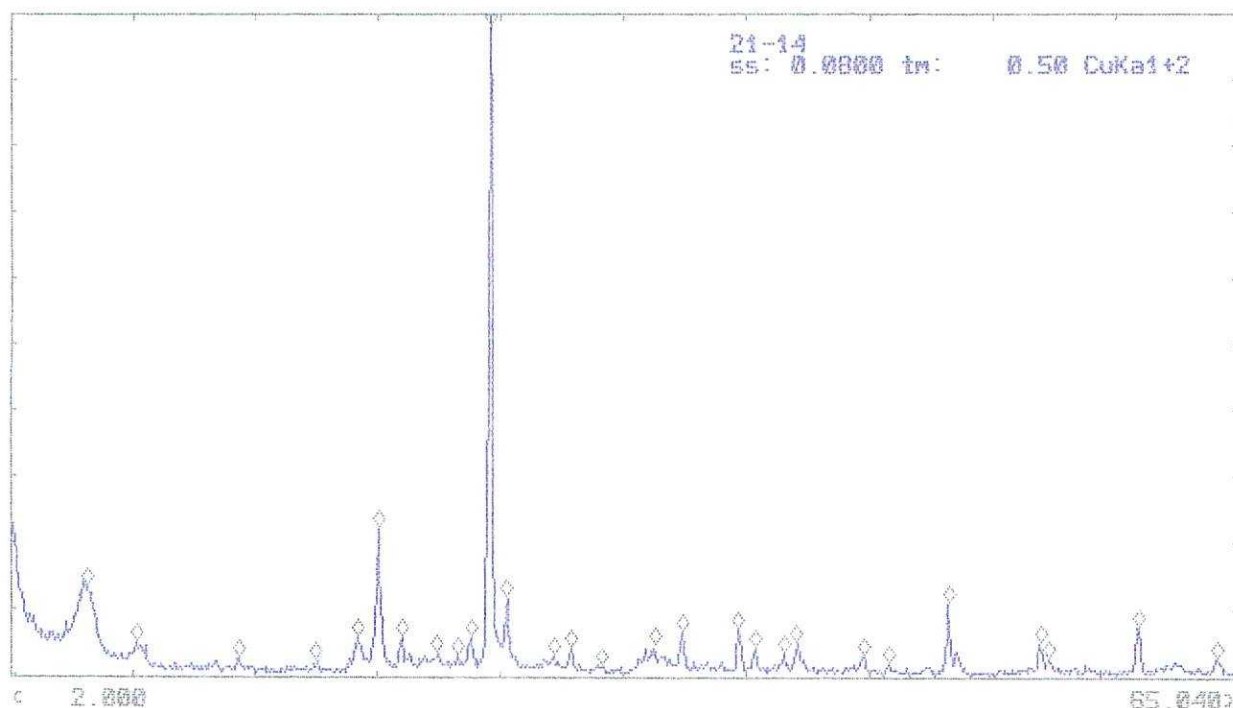
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	1.993	44.3004	100.00	1	1.993	44.3004	100.00
2	5.761	15.3294	36.17	7	20.927	4.2414	94.68
3	8.927	9.8975	34.36	10	28.040	3.1797	50.89
4	12.292	7.1947	12.66	18	42.603	2.1204	41.47
5	17.834	4.9695	14.47	27	60.060	1.5392	36.70
6	20.007	4.4345	21.83	2	5.761	15.3294	36.17
7	20.927	4.2414	94.68	14	36.684	2.4478	35.06
8	24.982	3.5614	13.51	3	8.927	9.8975	34.36
9	25.605	3.4763	17.33	16	39.575	2.2754	25.78
10	28.040	3.1797	50.89	22	50.234	1.8147	25.24
11	31.427	2.8443	12.01	25	55.040	1.6671	23.74 ?
12	32.207	2.7772	10.23	13	35.086	2.5556	23.33
13	35.086	2.5556	23.33	6	20.007	4.4345	21.83
14	36.684	2.4478	35.06	17	40.381	2.2319	19.37
15	37.840	2.3757	13.10 ?	9	25.605	3.4763	17.33
16	39.575	2.2754	25.78	20	45.909	1.9751	15.55
17	40.381	2.2319	19.37	5	17.834	4.9695	14.47
18	42.603	2.1204	41.47	19	45.567	1.9892	14.19
19	45.567	1.9892	14.19	8	24.982	3.5614	13.51
20	45.909	1.9751	15.55	15	37.840	2.3757	13.10 ?
21	49.519	1.8393	5.46	26	58.000	1.5889	12.69 ?
22	50.234	1.8147	25.24	4	12.292	7.1947	12.66
23	50.661	1.8004	9.69	11	31.427	2.8443	12.01
24	52.928	1.7286	5.87	12	32.207	2.7772	10.23
25	55.040	1.6671	23.74 ?	23	50.661	1.8004	9.69
26	58.000	1.5889	12.69 ?	24	52.928	1.7286	5.87
27	60.060	1.5392	36.70	21	49.519	1.8393	5.46



Sample: 21-8
Data file: 21-8.RAW

24-Feb-1991 11:29:54

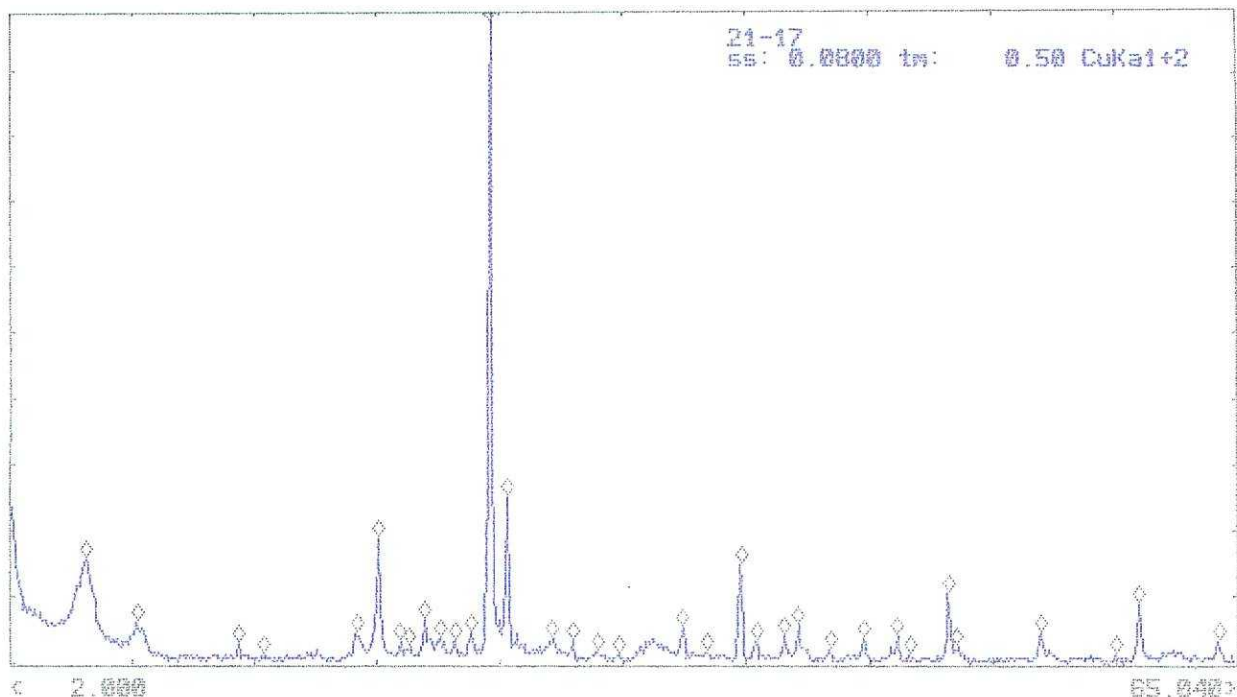
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	6.160	14.3364	7.22 ?	9	26.728	3.3326	100.00
2	8.914	9.9127	7.48	21	50.280	1.8132	21.03
3	12.400	7.1325	2.43 ?	6	20.880	4.2510	16.25 ?
4	17.903	4.9505	3.37	15	36.648	2.4501	10.88
5	19.973	4.4420	4.75	16	39.600	2.2740	7.63 ?
6	20.880	4.2510	16.25 ?	2	8.914	9.9127	7.48
7	23.074	3.8514	2.76	1	6.160	14.3364	7.22 ?
8	25.600	3.4769	6.69 ?	8	25.600	3.4769	6.69 ?
9	26.728	3.3326	100.00	18	42.542	2.1233	6.13
10	28.320	3.1488	3.67 ?	25	60.071	1.5389	5.98
11	29.929	2.9831	3.17	5	19.973	4.4420	4.75
12	31.318	2.8539	2.55	22	55.049	1.6669	4.66
13	32.224	2.7757	1.91	14	35.073	2.5565	4.61
14	35.073	2.5565	4.61	10	28.320	3.1488	3.67 ?
15	36.648	2.4501	10.88	17	40.352	2.2333	3.61
16	39.600	2.2740	7.63 ?	19	45.915	1.9749	3.46
17	40.352	2.2333	3.61	4	17.903	4.9505	3.37
18	42.542	2.1233	6.13	11	29.929	2.9831	3.17
19	45.915	1.9749	3.46	27	64.080	1.4520	2.96 ?
20	47.693	1.9053	1.55	7	23.074	3.8514	2.76
21	50.280	1.8132	21.03	12	31.318	2.8539	2.55
22	55.049	1.6669	4.66	3	12.400	7.1325	2.43 ?
23	56.080	1.6386	1.97 ?	26	61.974	1.4962	2.05
24	59.040	1.5633	1.61 ?	23	56.080	1.6386	1.97 ?
25	60.071	1.5389	5.98	13	32.224	2.7757	1.91
26	61.974	1.4962	2.05	24	59.040	1.5633	1.61 ?
27	64.080	1.4520	2.96 ?	20	47.693	1.9053	1.55



Sample: 21-14
Data file: 21-14.RAW

24-Feb-1991 11:35:04

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.843	15.1142	13.66	11	26.758	3.3290	100.00
2	8.425	10.4866	5.34	6	20.998	4.2273	22.44
3	13.733	6.4430	2.75	1	5.843	15.1142	13.66
4	17.775	4.9860	2.22	12	27.549	3.2351	12.00
5	19.957	4.4455	5.84	24	50.267	1.8136	11.25
6	20.998	4.2273	22.44	27	60.051	1.5394	7.75
7	22.160	4.0082	6.03 ?	18	39.520	2.2784	7.22 ?
8	24.000	3.7049	3.41 ?	17	36.627	2.4515	6.91
9	25.058	3.5508	3.25	7	22.160	4.0082	6.03 ?
10	25.742	3.4581	5.87	10	25.742	3.4581	5.87
11	26.758	3.3290	100.00	5	19.957	4.4455	5.84
12	27.549	3.2351	12.00	2	8.425	10.4866	5.34
13	29.959	2.9802	3.06	25	55.014	1.6678	5.16
14	30.865	2.8948	4.44	21	42.521	2.1244	5.16
15	32.494	2.7533	1.53	16	35.252	2.5439	4.80
16	35.252	2.5439	4.80	14	30.865	2.8948	4.44
17	36.627	2.4515	6.91	19	40.400	2.2308	4.31 ?
18	39.520	2.2784	7.22 ?	20	41.874	2.1556	3.56
19	40.400	2.2308	4.31 ?	8	24.000	3.7049	3.41 ?
20	41.874	2.1556	3.56	22	45.895	1.9757	3.31
21	42.521	2.1244	5.16	9	25.058	3.5508	3.25
22	45.895	1.9757	3.31	13	29.959	2.9802	3.06
23	47.192	1.9244	1.97	3	13.733	6.4430	2.75
24	50.267	1.8136	11.25	28	64.137	1.4508	2.66
25	55.014	1.6678	5.16	26	55.440	1.6560	2.62 ?
26	55.440	1.6560	2.62 ?	4	17.775	4.9860	2.22
27	60.051	1.5394	7.75	23	47.192	1.9244	1.97
28	64.137	1.4508	2.66	15	32.494	2.7533	1.53



Sample: 21-17
Data file: 21-17.RAW

24-Feb-1991 11:39:36

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.850	15.0965	15.81	13	26.723	3.3333	100.00
2	8.496	10.3987	6.36	14	27.663	3.2221	25.67
3	13.790	6.4167	3.00	6	21.040	4.2190	19.19 ?
4	15.093	5.8653	1.55	1	5.850	15.0965	15.81
5	19.929	4.4516	4.64	21	39.665	2.2704	15.34
6	21.040	4.2190	19.19 ?	29	50.320	1.8118	10.68 ?
7	22.095	4.0198	3.79	33	60.086	1.5386	9.25
8	22.587	3.9334	2.68	9	23.409	3.7970	6.97
9	23.409	3.7970	6.97	2	8.496	10.3987	6.36
10	24.121	3.6866	4.08	24	42.601	2.1205	6.18
11	24.954	3.5654	3.56	19	36.640	2.4507	5.78 ?
12	25.751	3.4568	4.81	31	55.017	1.6677	4.93
13	26.723	3.3333	100.00	12	25.751	3.4568	4.81
14	27.663	3.2221	25.67	5	19.929	4.4516	4.64
15	29.916	2.9844	3.85	23	41.886	2.1550	4.52
16	30.953	2.8867	3.68	27	47.655	1.9068	4.23
17	32.240	2.7744	1.93 ?	10	24.121	3.6866	4.08
18	33.360	2.6837	1.66 ?	15	29.916	2.9844	3.85
19	36.640	2.4507	5.78 ?	26	45.955	1.9732	3.82
20	37.878	2.3733	2.10	7	22.095	4.0198	3.79
21	39.665	2.2704	15.34	22	40.473	2.2270	3.68
22	40.473	2.2270	3.68	16	30.953	2.8867	3.68
23	41.886	2.1550	4.52	11	24.954	3.5654	3.56
24	42.601	2.1205	6.18	34	64.210	1.4494	3.41
25	44.240	2.0457	2.25 ?	3	13.790	6.4167	3.00
26	45.955	1.9732	3.82	30	50.724	1.7983	2.86
27	47.655	1.9068	4.23	8	22.587	3.9334	2.68
28	48.304	1.8827	1.40	25	44.240	2.0457	2.25 ?
29	50.320	1.8118	10.68 ?	20	37.878	2.3733	2.10
30	50.724	1.7983	2.86	17	32.240	2.7744	1.93 ?
31	55.017	1.6677	4.93	18	33.360	2.6837	1.66 ?
32	58.901	1.5667	1.58	32	58.901	1.5667	1.58
33	60.086	1.5386	9.25	4	15.093	5.8653	1.55
34	64.210	1.4494	3.41	28	48.304	1.8827	1.40