NYSM Mineralogy #7005. Native copper from Houghton County, Michigan

Geology 7005	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.5730	155.8667	164.3253	887.85	0.00408
CuKa1	7.8658	8.2298	196.6451	205.7439	216701.80	0.99592

Morse A-20529 pre-contact rolled native copper bead, Jefferson County, New York

Morse A-20529	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	809.51	0.003224
CuKa1	7.8658	8.2298	196.6451	205.7439	250266.3	0.996776

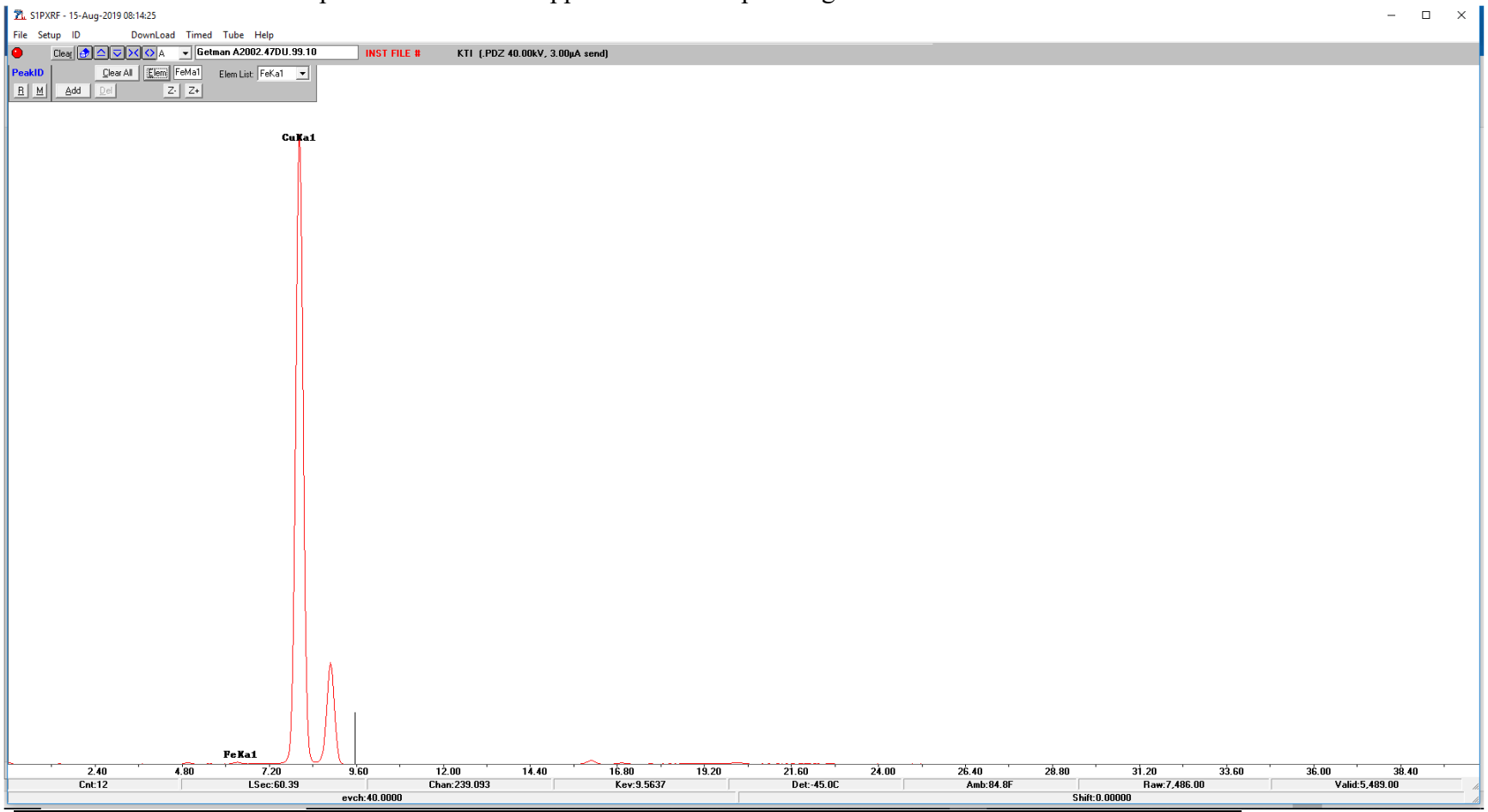
Morse A-27393A pre-contact rolled native copper bead, Jefferson County, New York

Morse A27393A	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	1207.03	0.005765
CuKa1	7.8658	8.2298	196.6451	205.7439	208171.4	0.994235

Morse A-27393D pre-contact rolled native copper bead, Jefferson County, New York

Morse A-27393d	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	1015.58	0.0043560
CuKa1	7.8658	8.2298	196.6451	205.7439	232126.76	0.9956439

Getman A2002.47DU.99.10 pre-contact native copper crescent-shaped tanged knife.



Getman A2002.47DU.99.10	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	838.98	0.003344
CuKa1	7.8658	8.2298	196.6451	205.7439	250027.2	0.996656

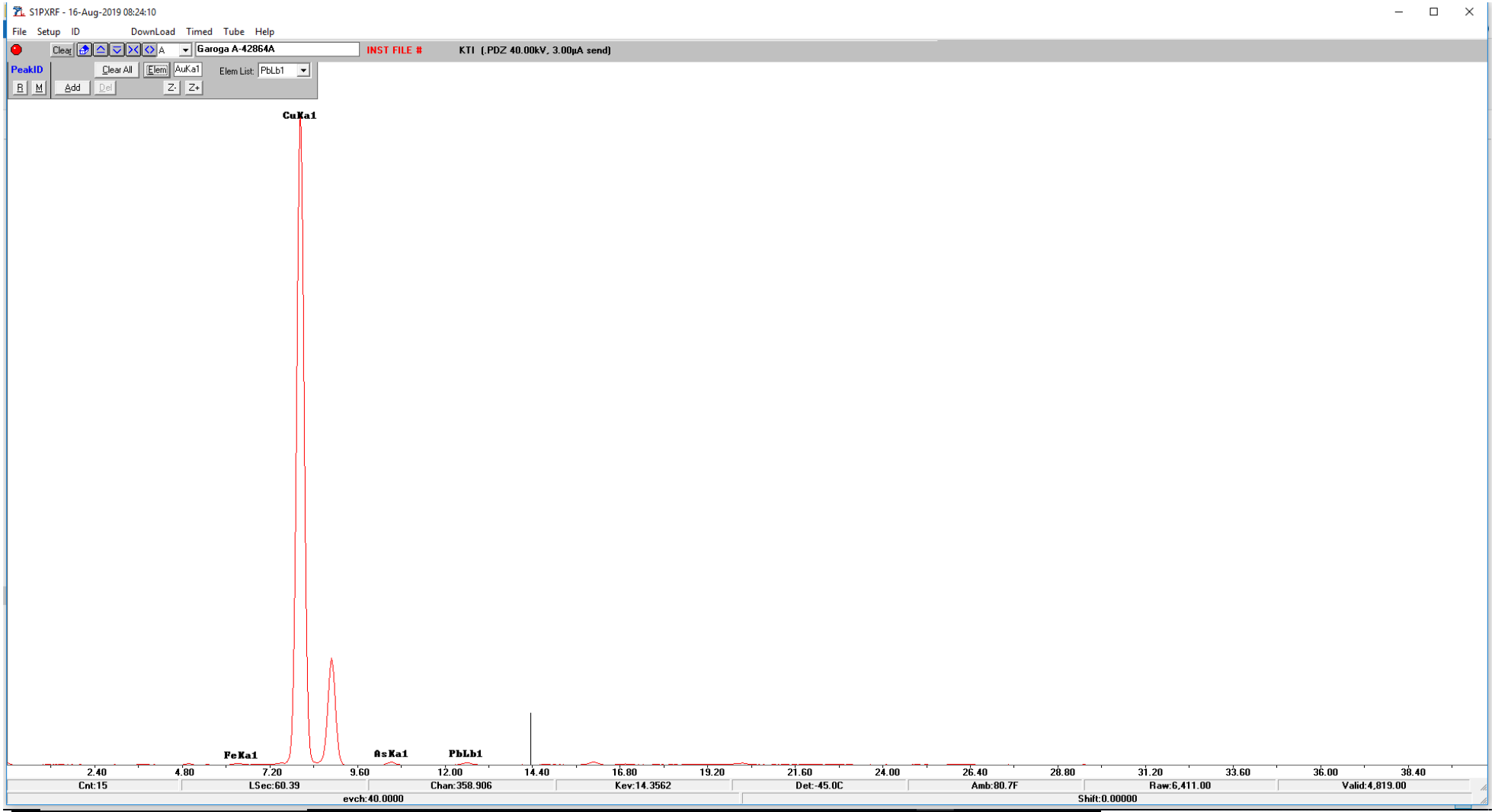
Smith Pagerie A2002.32AC.7.38 native copper rolled bead

Smith Pagerie A2002.32AC.7.38	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	1527.8	0.006573
CuKa1	7.8658	8.2298	196.6451	205.7439	230920.2	0.993427

Smith Pagerie A-44736 European copper rolled bead

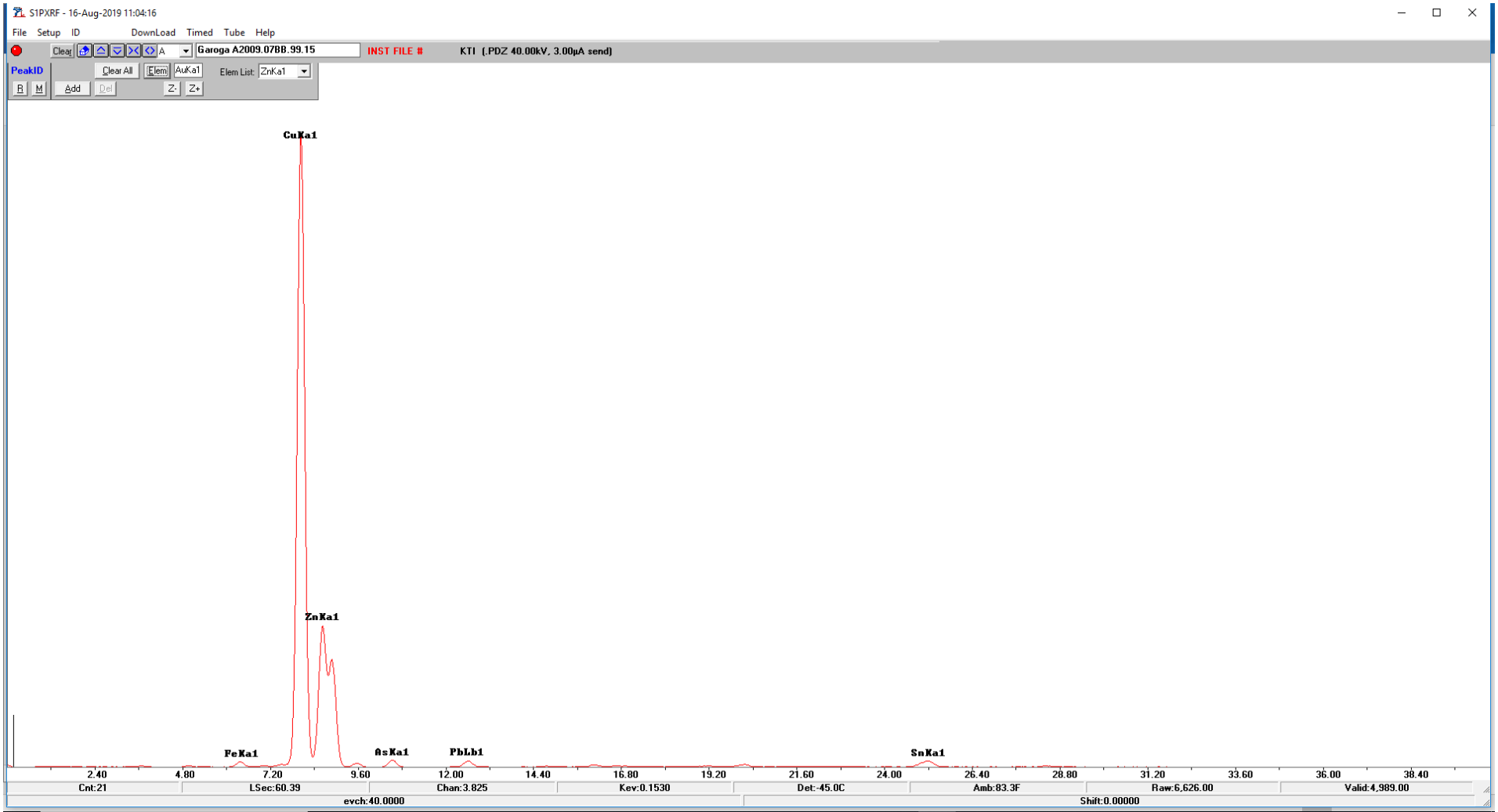
Smith Pagerie A-44736	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	1194.97	0.005165
CuKa1	7.8658	8.2298	196.6451	205.7439	228992.3	0.989813
AsKa1	10.3439	10.7436	258.5966	268.5894	614.48	0.002656
PbLb1	12.4002	12.8272	310.0038	320.6812	547.38	0.002366

Garoga A-42864A European copper scrap



Garoga A-42864A	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	687.52	0.003128
CuKa1	7.8658	8.2298	196.6451	205.7439	216998.5	0.987285
AsKa1	10.3439	10.7436	258.5966	268.5894	1095.6	0.004985
PbLb1	12.4002	12.8272	310.0038	320.6812	1011.45	0.004602

Garoga A2009.07BB.99.15 European copper alloy tube/bead.



Garoga A2009.07BB.99.15	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	16134.61	0.006826
CuKa1	7.8658	8.2298	196.6451	205.7439	1820347	0.770156
ZnKa1	8.4525	8.8252	211.3124	220.6306	451098.7	0.190852
AsKa1	10.3439	10.7436	258.5966	268.5894	23060.43	0.009756
PbLb1	12.4002	12.8272	310.0038	320.6812	20935.04	0.008857
SnKa1	24.9881	25.5545	624.7016	638.8634	32031.36	0.013552

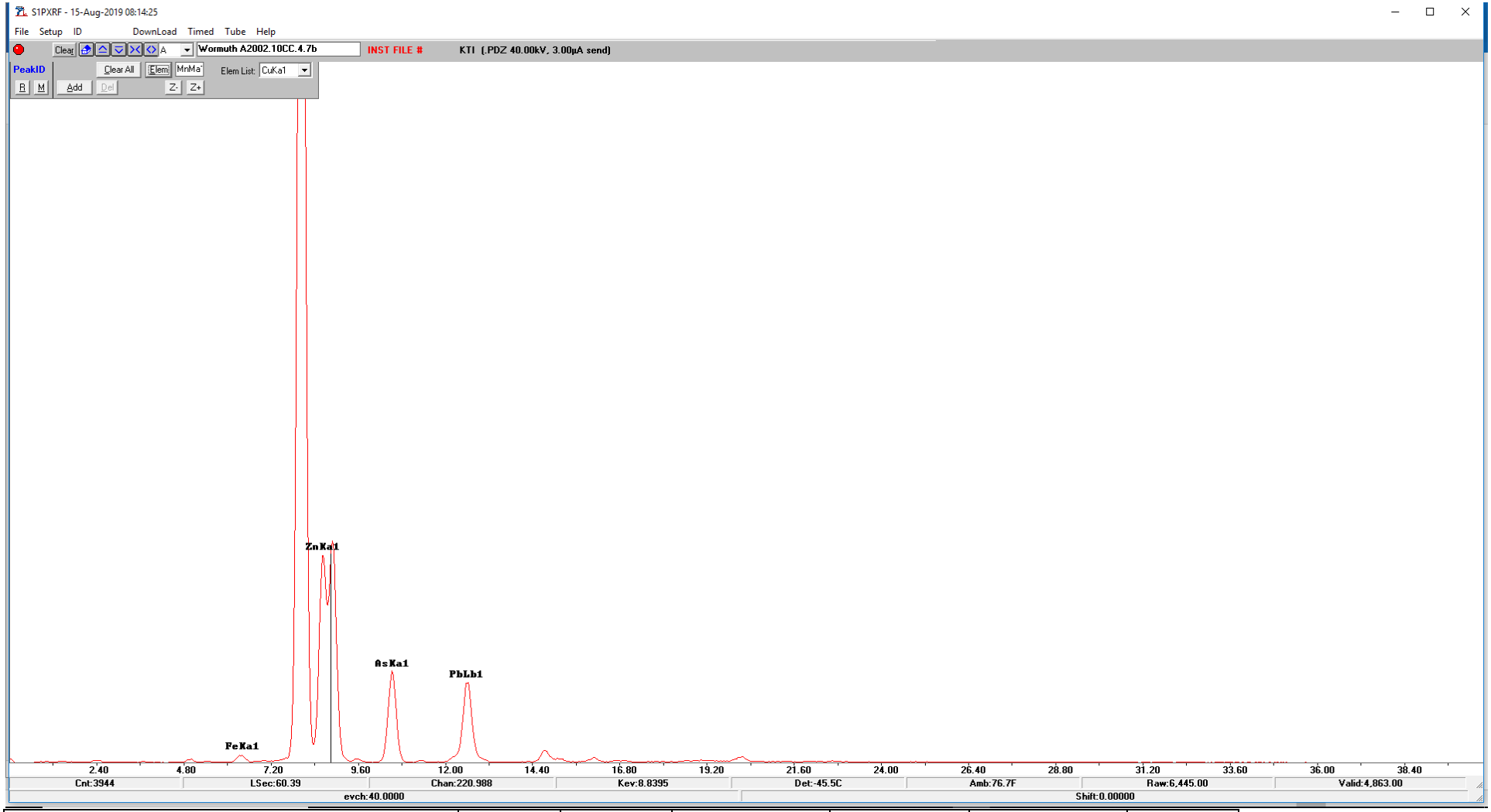
Cayadutta European copper amulet

Cayudutta	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	1306.16	0.003125
CuKa1	7.8658	8.2298	196.6451	205.7439	412098.4	0.986099
AsKa1	10.3439	10.7436	258.5966	268.5894	2441.42	0.005842
PbLb1	12.4002	12.8272	310.0038	320.6812	2061.95	0.004934

Wormuth A2002.10CC.4.7a European copper alloy scrap

Wormuth A2002.10CC.4.7a	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	1271.93	0.005389
CuKa1	7.8658	8.2298	196.6451	205.7439	194970.5	0.826112
ZnKa1	8.4525	8.8252	211.3124	220.6306	27158.47	0.115073
AsKa1	10.3439	10.7436	258.5966	268.5894	6227.05	0.026385
PbLb1	12.4002	12.8272	310.0038	320.6812	6381.93	0.027041

Wormuth A2002.10CC.4.7b European copper alloy scrap

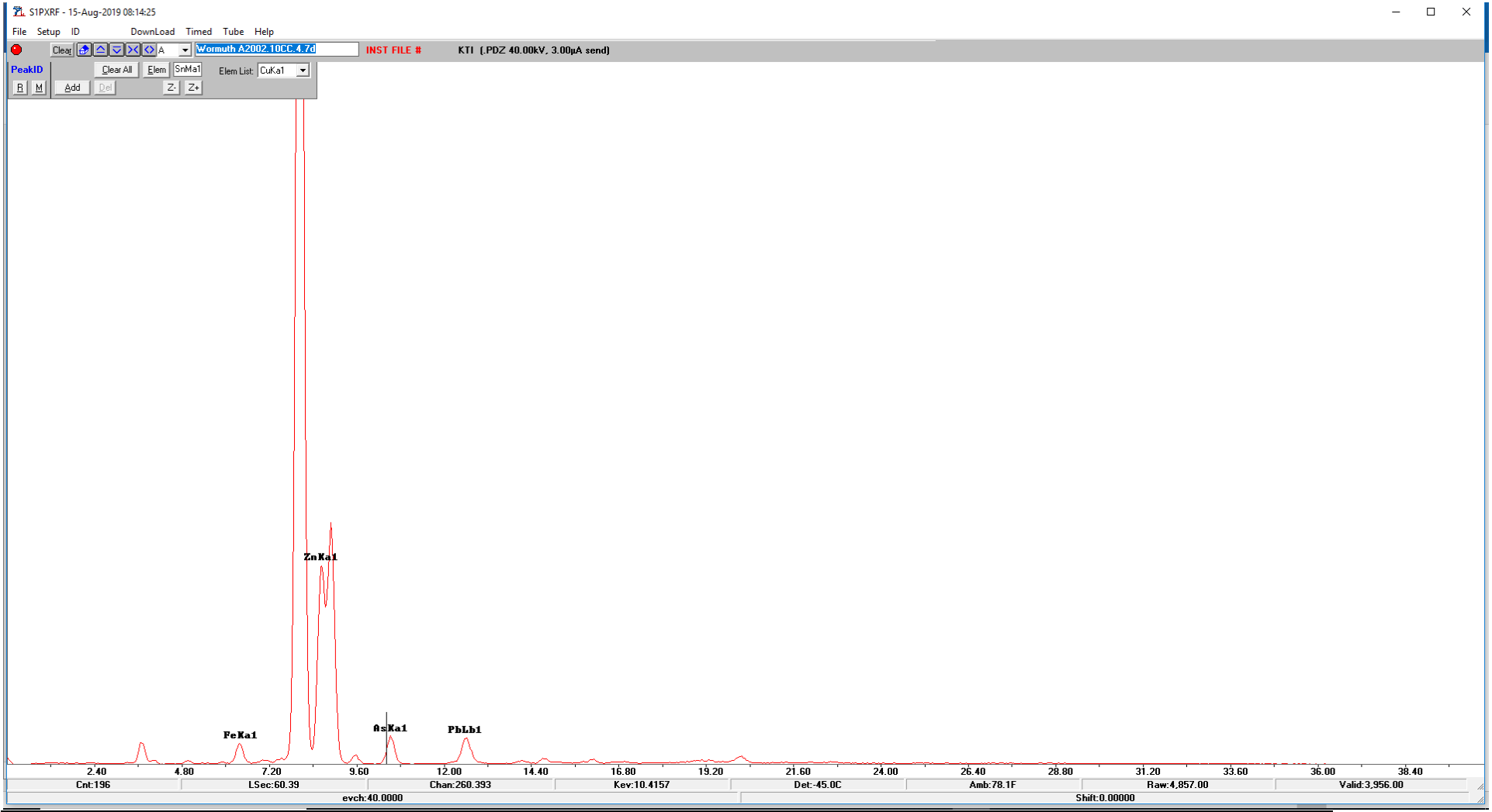


Wormuth A2002.10CC.4.7b	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	1093.09	0.004854
CuKa1	7.8658	8.2298	196.6451	205.7439	169093	0.750871
ZnKa1	8.4525	8.8252	211.3124	220.6306	29885.44	0.132709
AsKa1	10.3439	10.7436	258.5966	268.5894	12746.79	0.056603
PbLb1	12.4002	12.8272	310.0038	320.6812	12377.38	0.054963

Wormuth A2002.10CC.4.7c European copper alloy scrap

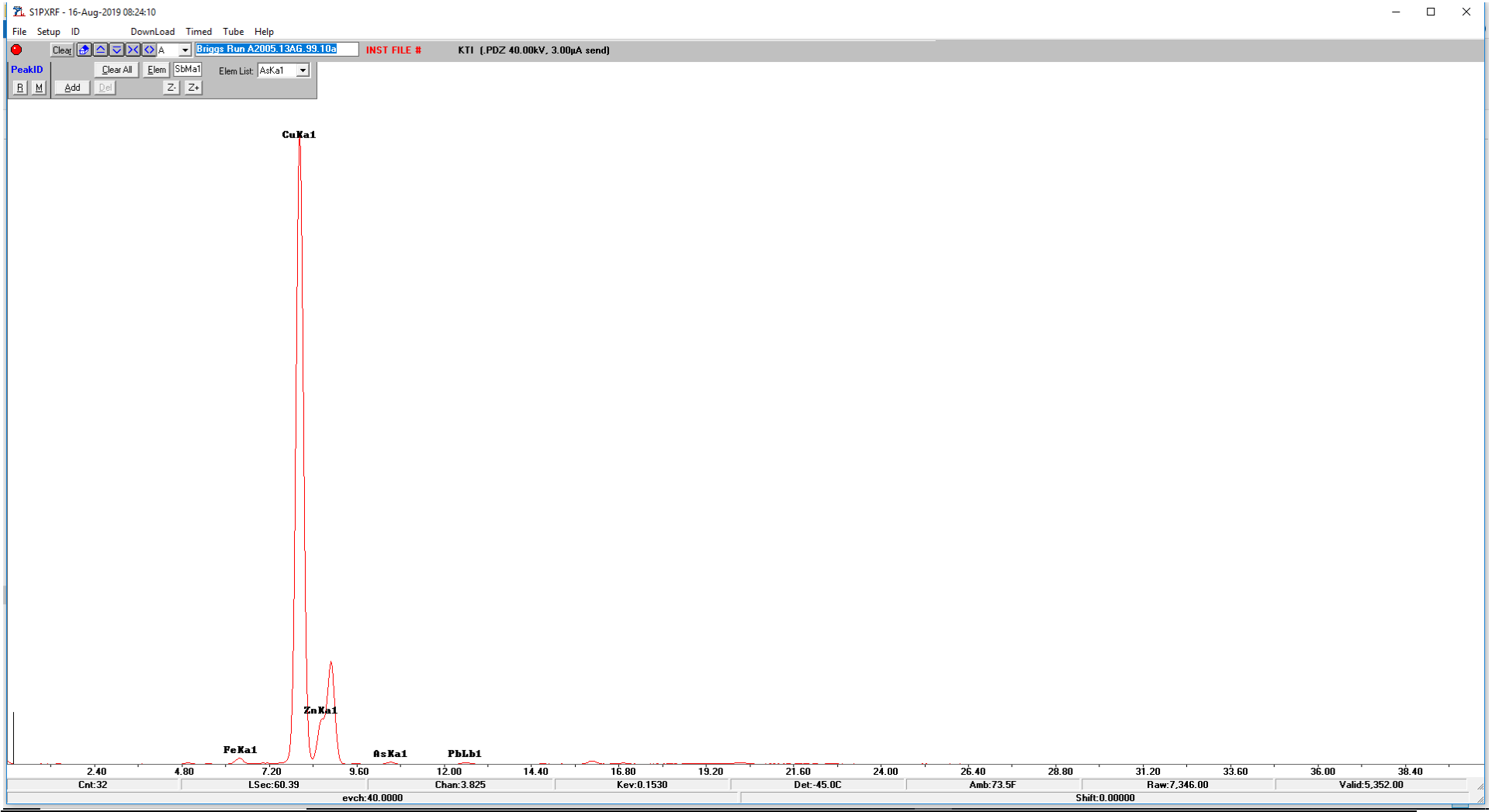
Wormuth A2002.10CC.4.7c	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	1284.6	0.004909
CuKa1	7.8658	8.2298	196.6451	205.7439	205810.5	0.786511
ZnKa1	8.4525	8.8252	211.3124	220.6306	37065.57	0.141647
AsKa1	10.3439	10.7436	258.5966	268.5894	8738.9	0.033396
PbLb1	12.4002	12.8272	310.0038	320.6812	8775.85	0.033537

Wormuth A2002.10CC.4.7d European copper alloy scrap



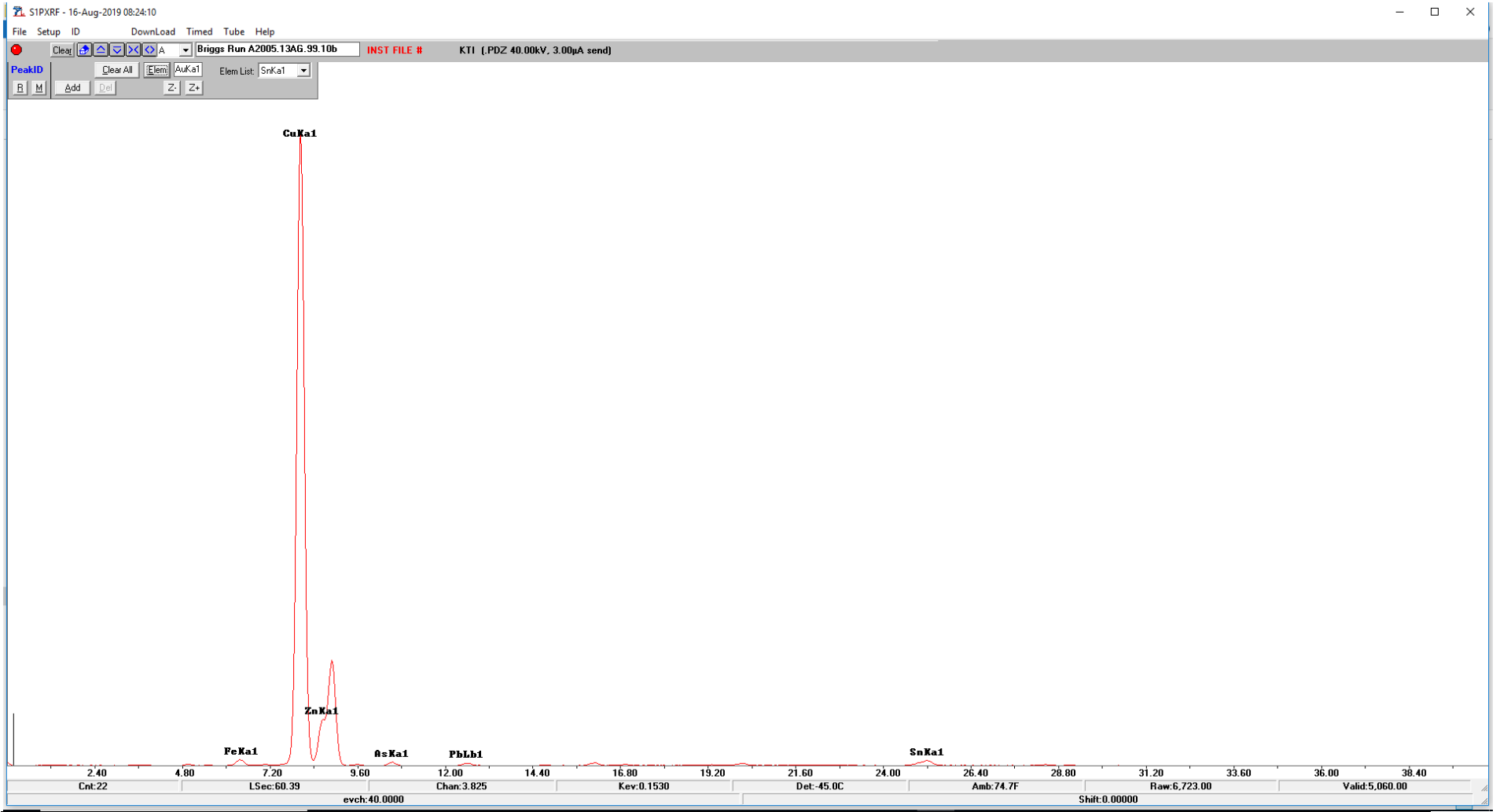
Wormuth A2002.10CC.4.7d	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	2180.05	0.012841
CuKa1	7.8658	8.2298	196.6451	205.7439	137543.1	0.810151
ZnKa1	8.4525	8.8252	211.3124	220.6306	23545	0.138684
AsKa1	10.3439	10.7436	258.5966	268.5894	3103.9	0.018282
PbLb1	12.4002	12.8272	310.0038	320.6812	3402.56	0.020042

Briggs Run A2005.13AG.99.10a European copper alloy triangular point



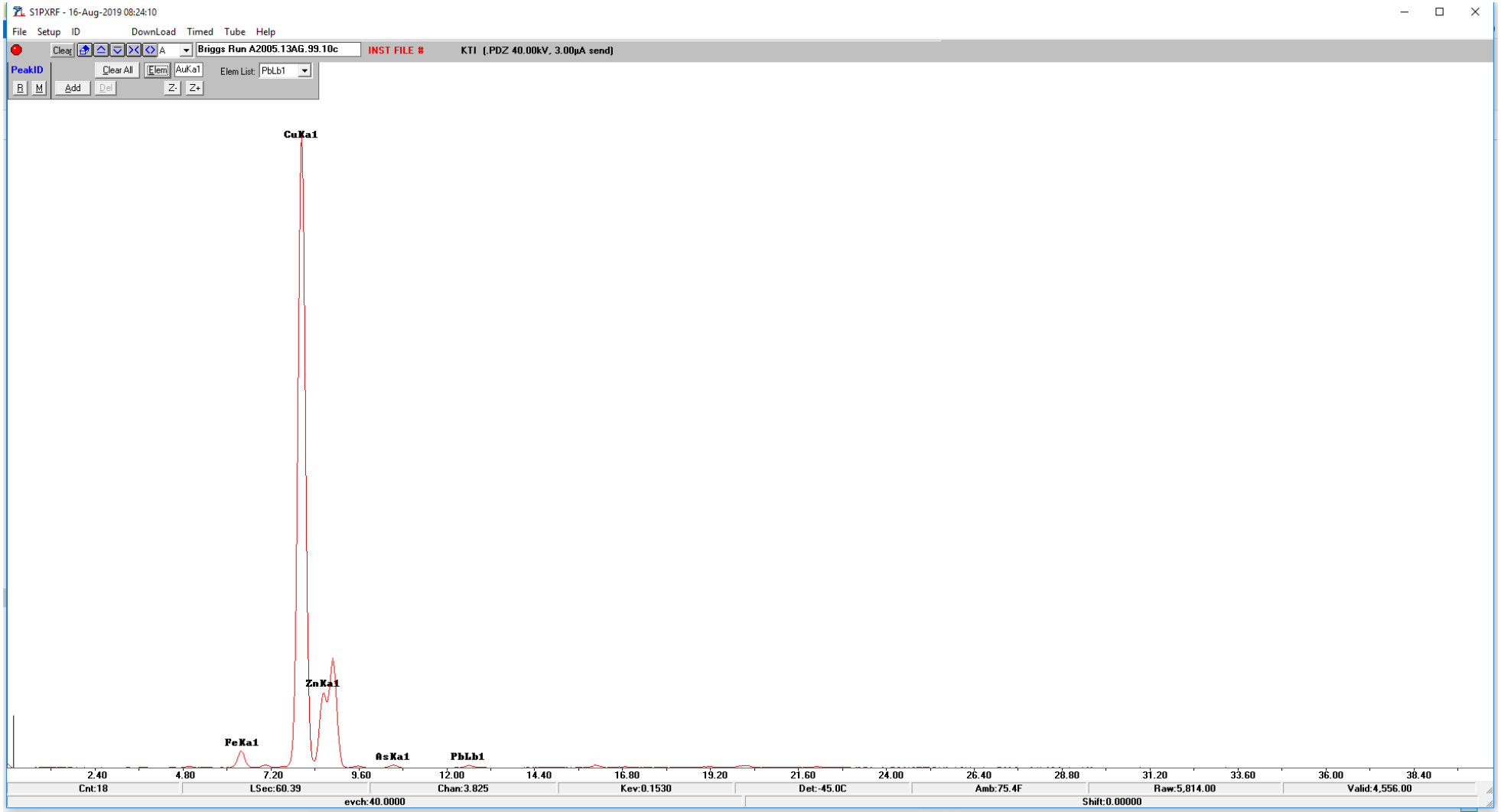
Briggs Run A2005.13AG.99.10a	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	2350	0.009302
CuKa1	7.8658	8.2298	196.6451	205.7439	228375	0.903992
ZnKa1	8.4525	8.8252	211.3124	220.6306	20251.2	0.080162
AsKa1	10.3439	10.7436	258.5966	268.5894	865.63	0.003426
PbLb1	12.4002	12.8272	310.0038	320.6812	787.54	0.003117

Briggs Run A2005.13AG.99.10b European copper alloy triangular point



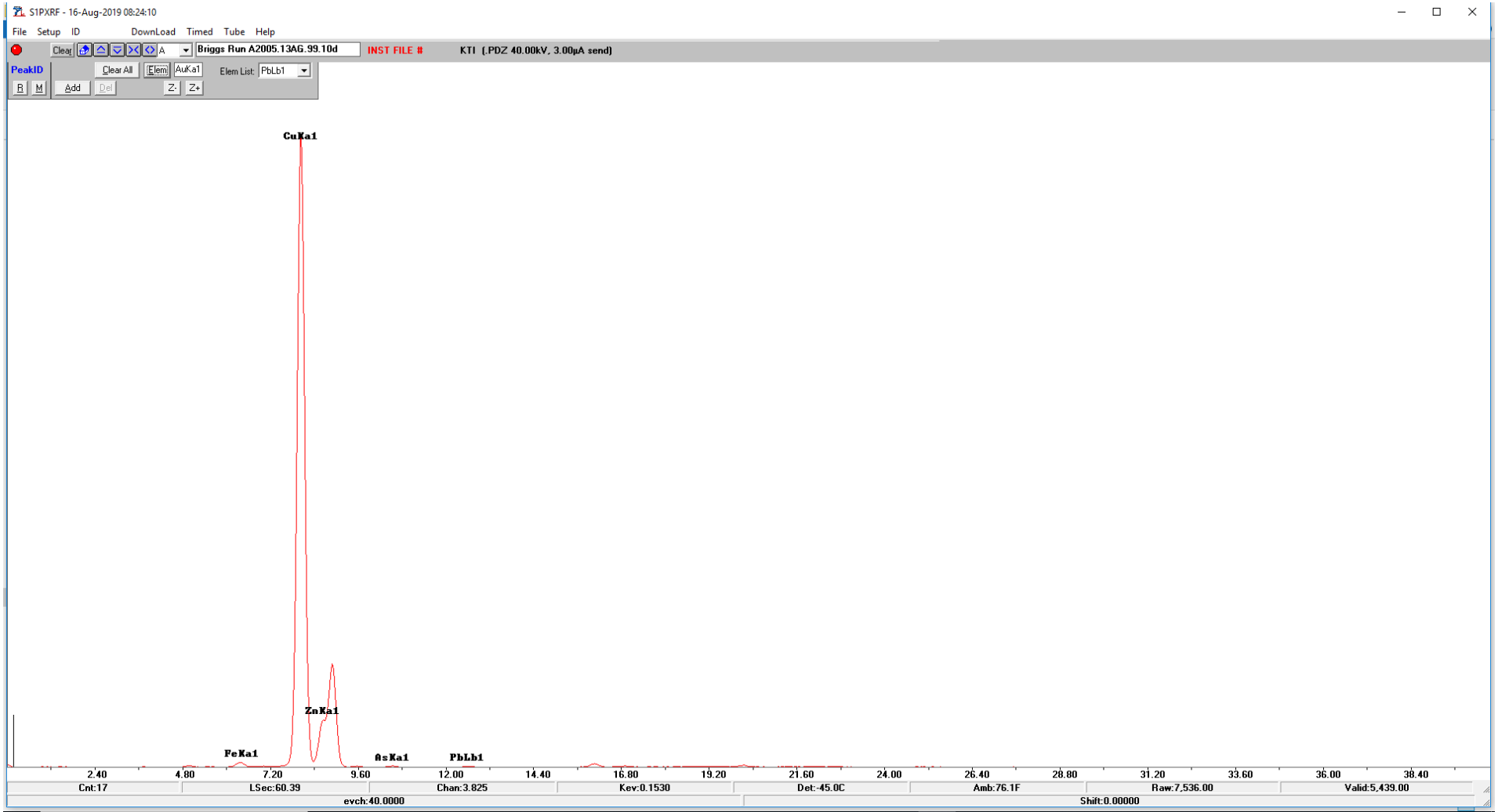
Briggs Run A2005.13AG.99.10b	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	2069.47	0.00891
CuKa1	7.8658	8.2298	196.6451	205.7439	206557.3	0.889363
ZnKa1	8.4525	8.8252	211.3124	220.6306	18390.52	0.079183
AsKa1	10.3439	10.7436	258.5966	268.5894	1237.36	0.005328
PbLb1	12.4002	12.8272	310.0038	320.6812	1064.14	0.004582
SnKa1	24.9881	25.5545	624.7016	638.8634	2934.27	0.012634

Briggs Run A2005.13AG.99.10c European copper alloy metal tinkler



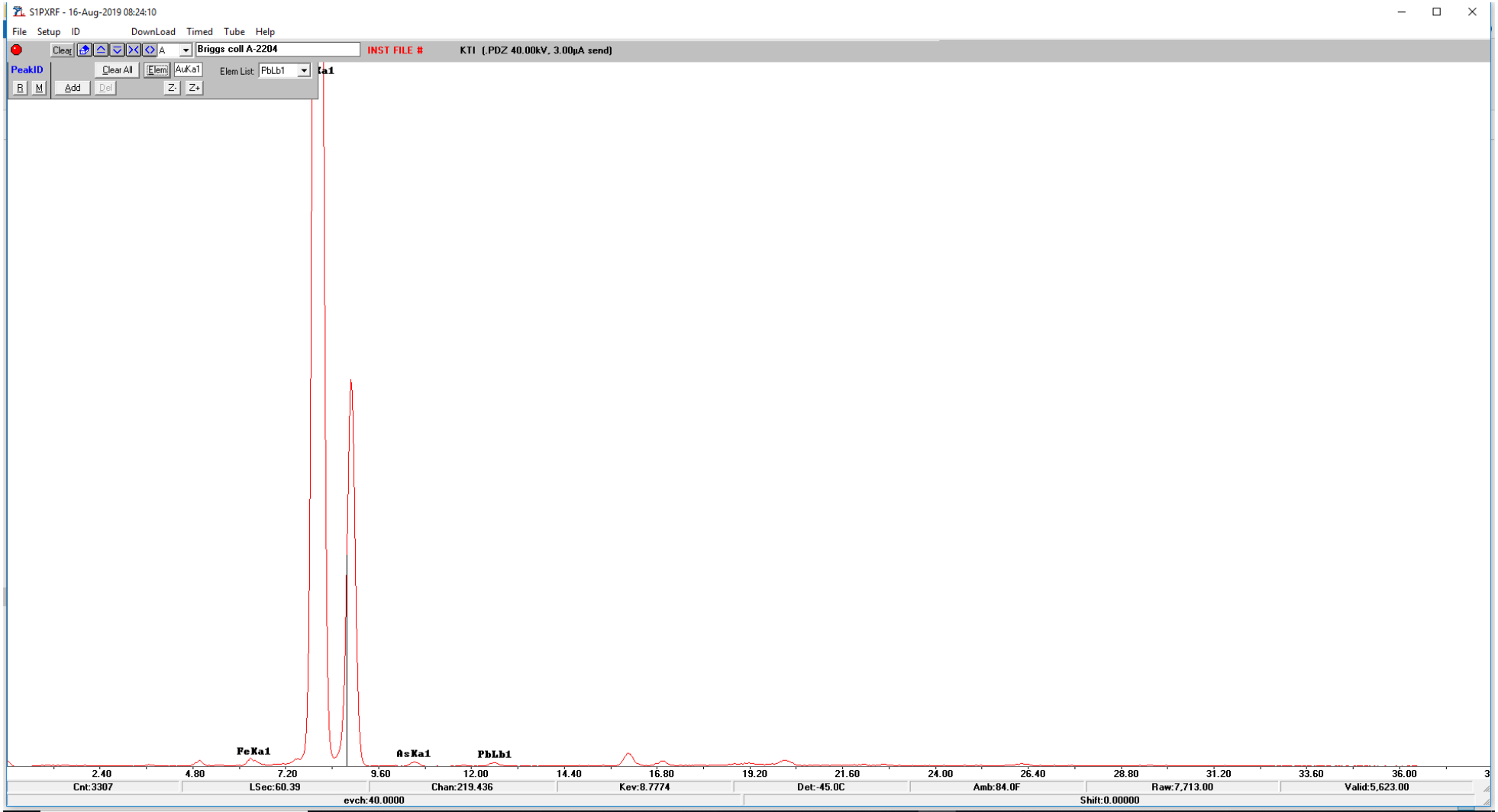
Briggs Run A2005.13AG.99.10c	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	4636.55	0.021946
CuKa1	7.8658	8.2298	196.6451	205.7439	180078.3	0.852371
ZnKa1	8.4525	8.8252	211.3124	220.6306	24754.19	0.11717
AsKa1	10.3439	10.7436	258.5966	268.5894	922.96	0.004369
PbLb1	12.4002	12.8272	310.0038	320.6812	875.48	0.004144

Briggs Run A2005.13AG.99.10d European copper alloy metal tinkler



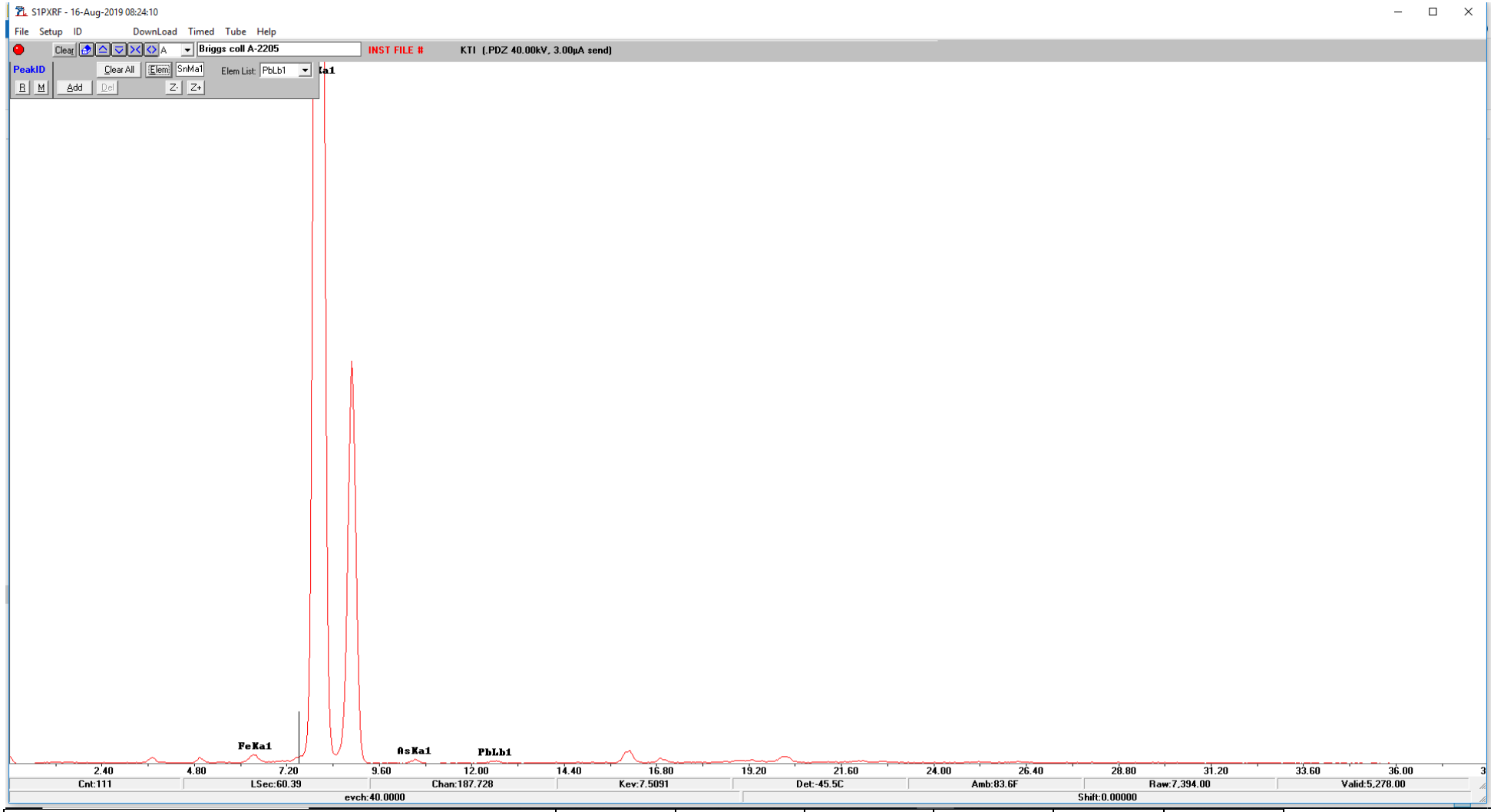
Briggs Run A2005.13AG.99.10d	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	1958.98	0.007722
CuKa1	7.8658	8.2298	196.6451	205.7439	229606.5	0.905048
ZnKa1	8.4525	8.8252	211.3124	220.6306	21093	0.083143
AsKa1	10.3439	10.7436	258.5966	268.5894	544.66	0.002147
PbLb1	12.4002	12.8272	310.0038	320.6812	492.19	0.00194

Briggs collection A-2204 post-contact European copper triangular point, Mohawk Valley.



Briggs coll A-2204	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	924.85	0.003674
CuKa1	7.8658	8.2298	196.6451	205.7439	249749.1	0.992186
AsKa1	10.3439	10.7436	258.5966	268.5894	550.71	0.002188
PbLb1	12.4002	12.8272	310.0038	320.6812	491.4	0.001952

Briggs collection A-2205 post-contact European copper triangular point, Mohawk Valley.



Briggs coll A-2205	Energy1	Energy2	Chan-Start	Chan-End	Chan-Counts	ROI
FeKa1	6.2347	6.573	155.8667	164.3253	1023.12	0.004245
CuKa1	7.8658	8.2298	196.6451	205.7439	239171.3	0.992359
AsKa1	10.3439	10.7436	258.5966	268.5894	437.15	0.001814
PbLb1	12.4002	12.8272	310.0038	320.6812	381.39	0.001582