

EA02-025

TEXAS INSTRUMENTS, INC.'S

9/10/03

REQUEST NO. 7

BOX 9

PART A – R

PART A

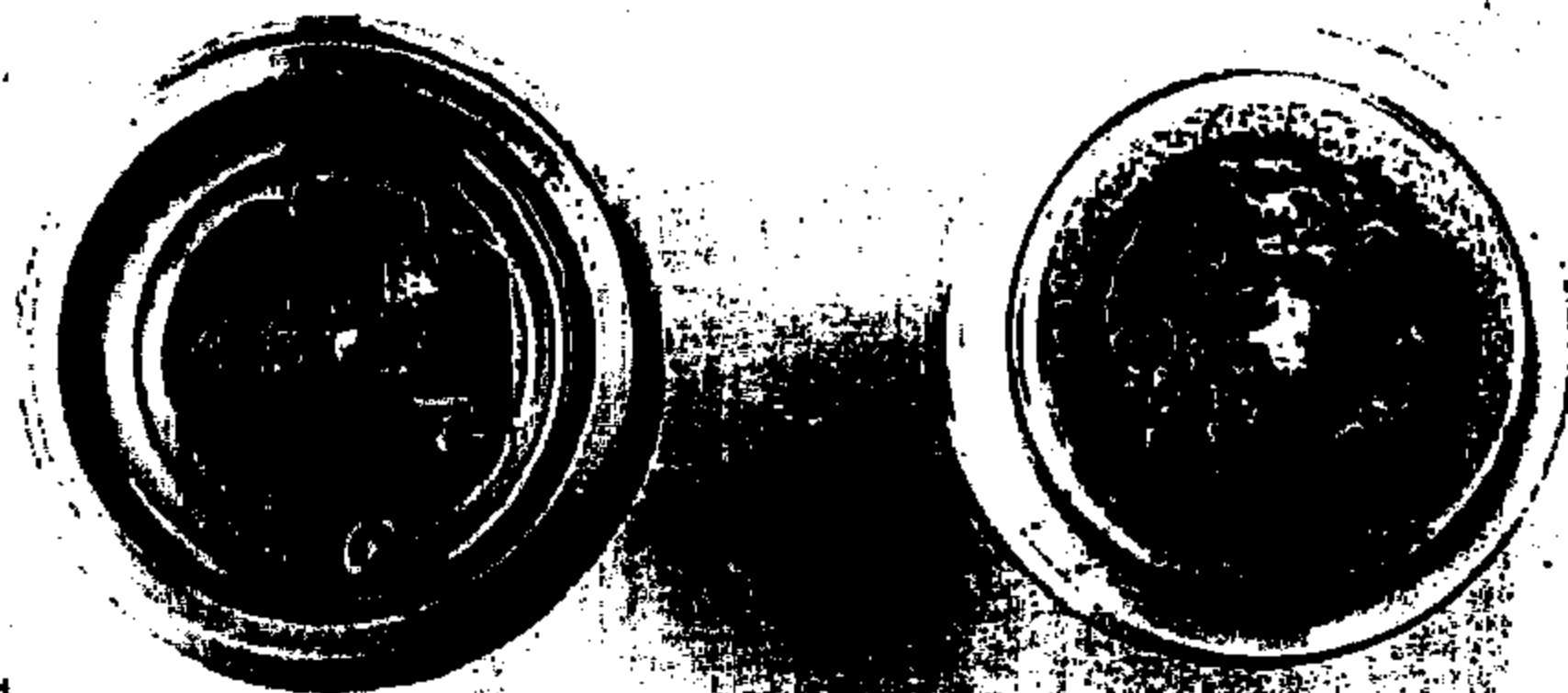
Longtam_BF_tests.xls

		Date: 4/25/00 (15 days powered)		5/4/00 (24 days powered)							
Manifold 1		leakage current (mAmp)	roll needed? (Y/N)	leakage current (mAmp)	roll needed? (Y/N)	leakage current (mAmp)	roll needed? (Y/N)	leakage current (mAmp)	roll needed? (Y/N)	leakage current (mAmp)	roll needed? (Y/N)
Sample											
Old BF	1	0.04	N	0	N						
Old BF	2	0.07	N	0	N						
New BF	3	1.3	N	13	N						
New BF	4	17.0	N	21	N						
New BF	5	7.5	N	overload	?						
New BF	6	1.7	N	0	N						

		Date: 4/25/00 (4 days powered)		5/4/00 (13 days powered)							
Manifold 2		leakage current (mAmp)	roll needed? (Y/N)	leakage current (mAmp)	roll needed? (Y/N)	leakage current (mAmp)	roll needed? (Y/N)	leakage current (mAmp)	roll needed? (Y/N)	leakage current (mAmp)	roll needed? (Y/N)
Sample											
Old BF	1	0.000	N	0	N						
Old BF	2	0.000	N	0	N						
New BF	3	0.047	N	0	N						
New BF	4	1.9	N	12	N						
New BF	5	2.3	N	52	N						
New BF	6	3.2	N	4	N						

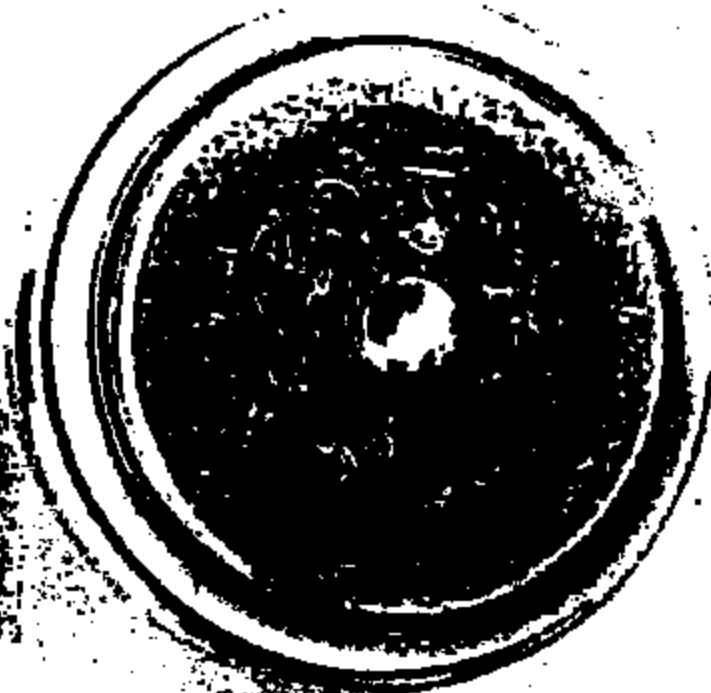
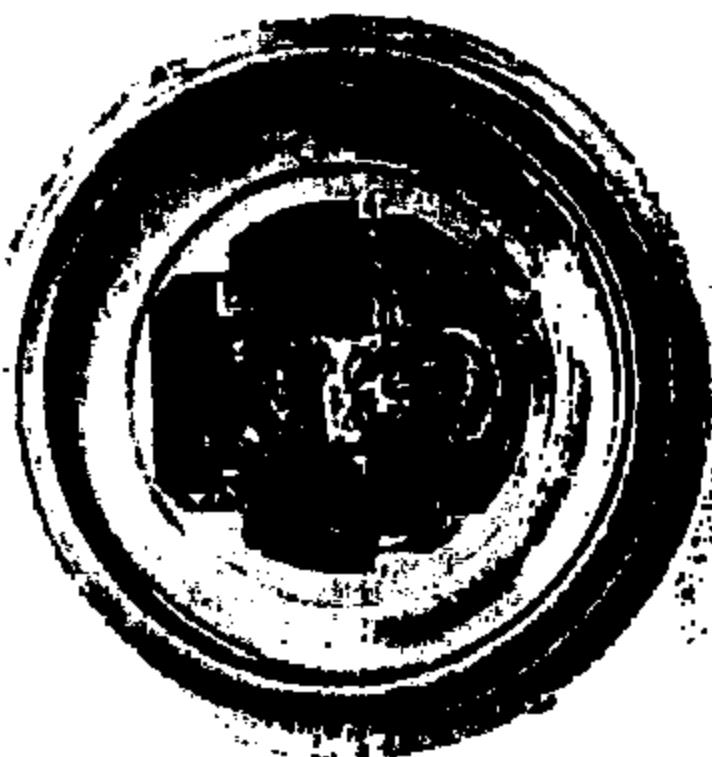
Device removed and disassembled on 5/3/00.

14 Volts ~ 550 hours



~ 2 ~

14 Volts ~ 300 hours



TI-NHTBA 013433

~ 500 ~



TI-NHTSA 013434



142010 77FS 48, cleaned cup, 500x se 15

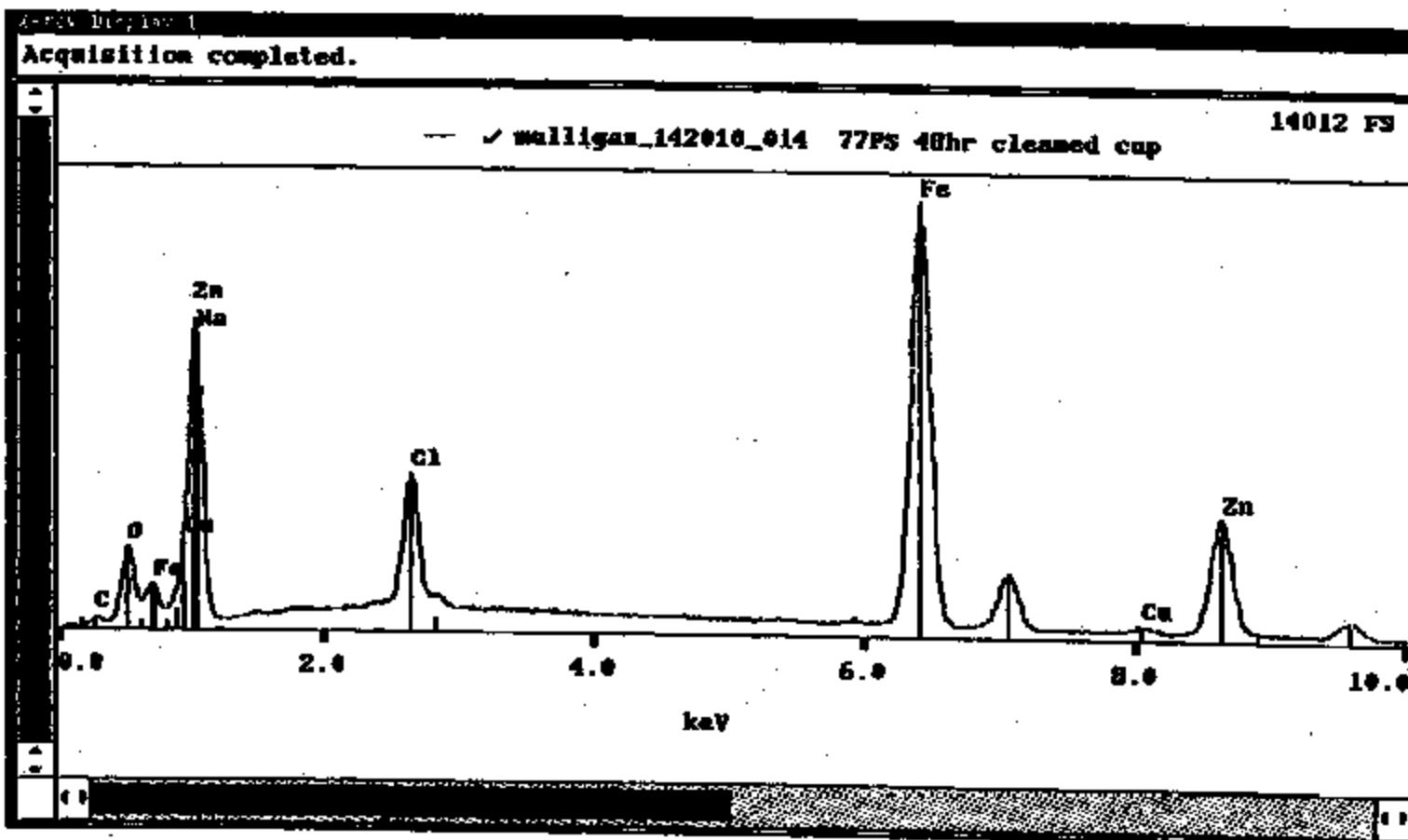
TI-NHTSA 013435



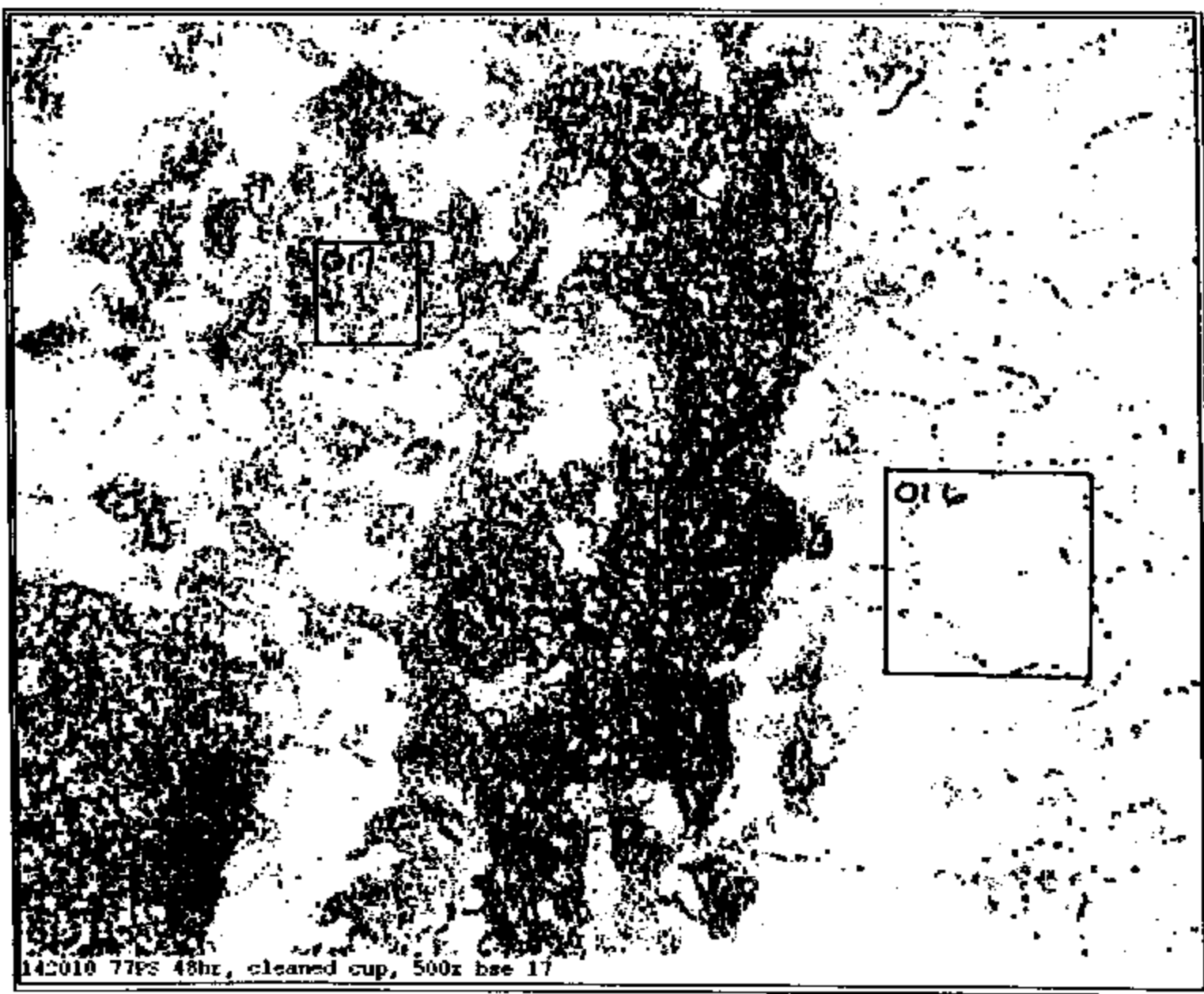
142010 77PS 48h1, cleaned cup, 100x Use 16

001 - 000001

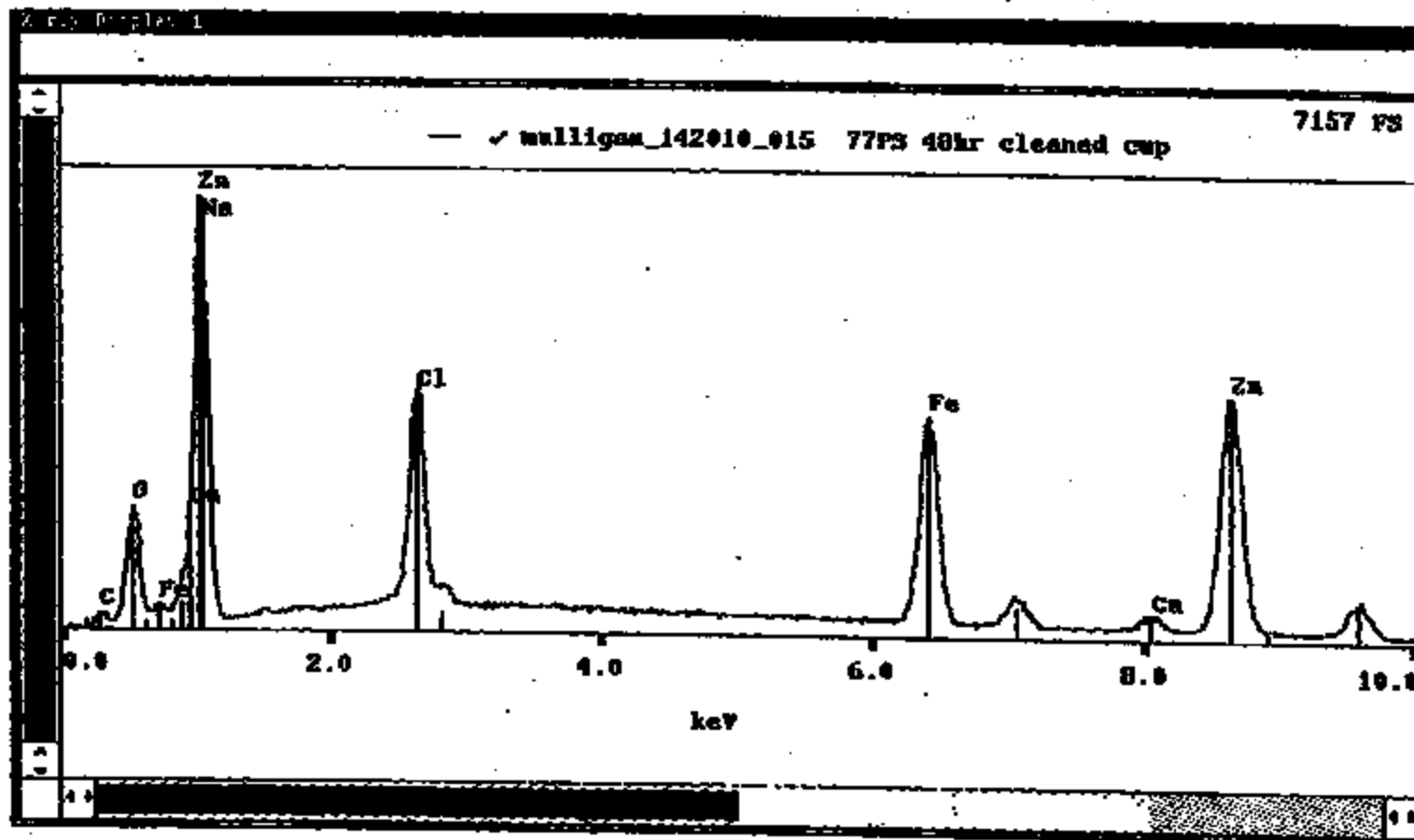
TI-NHTSA 013436

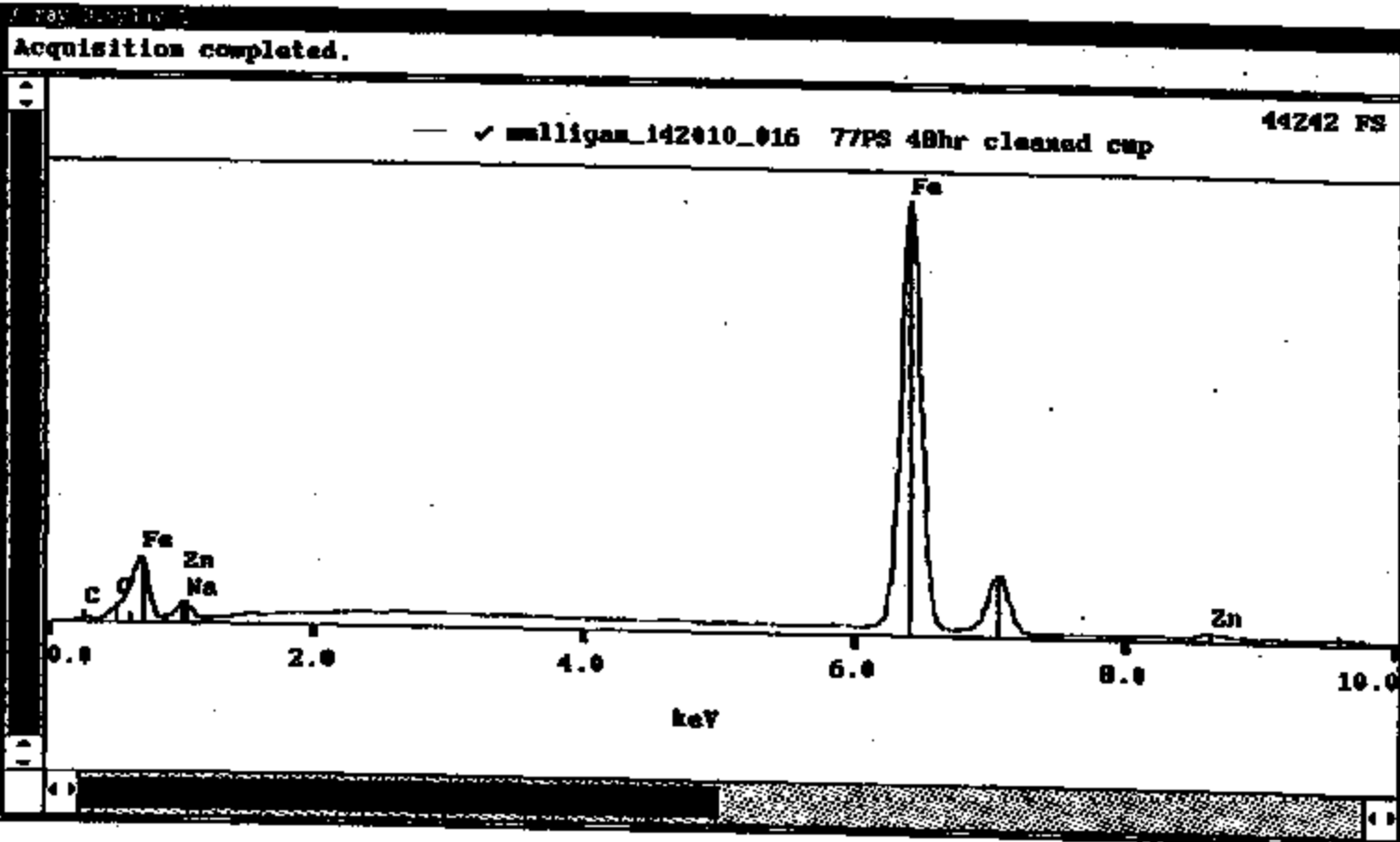


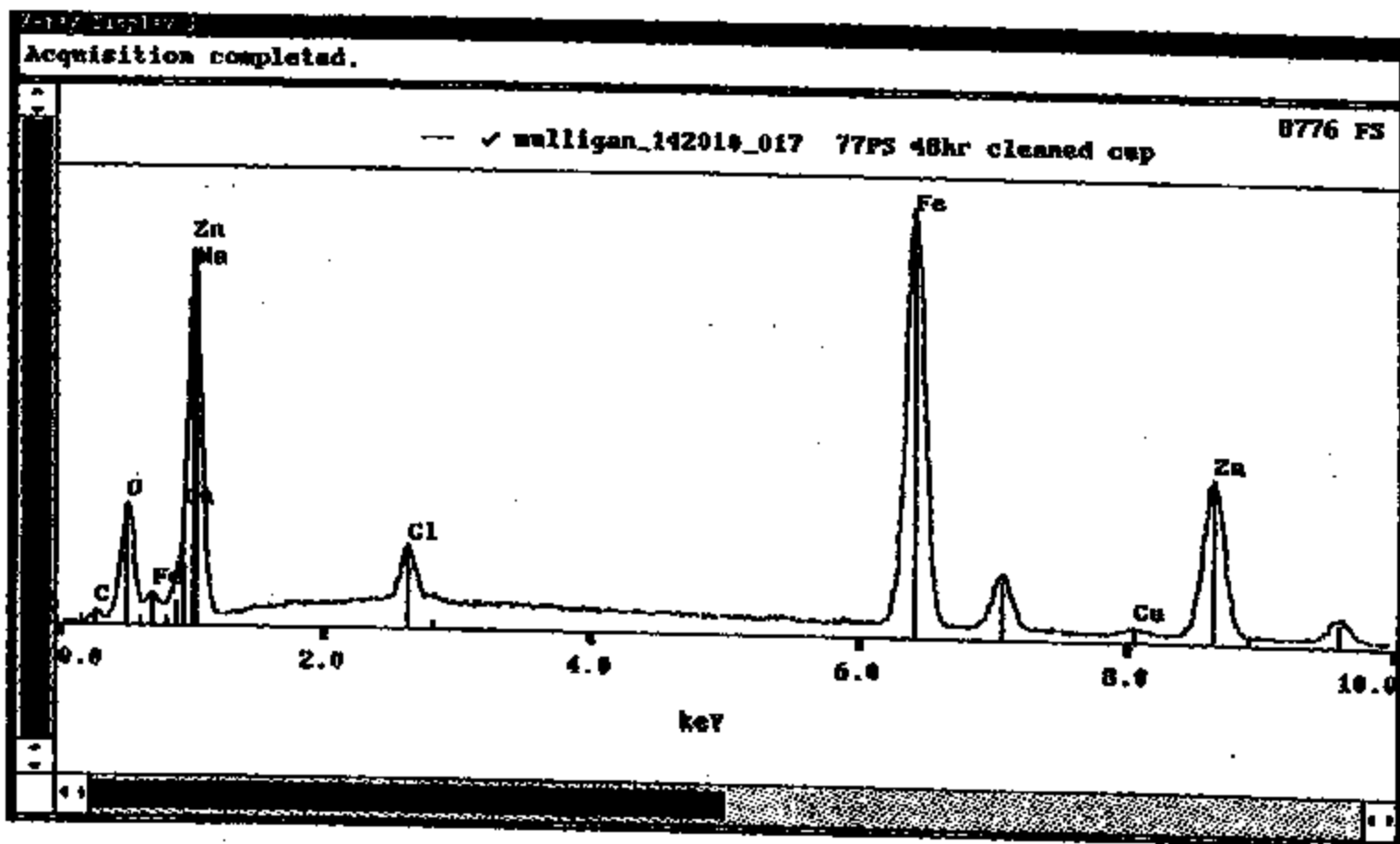
TI-NHTSA 013437

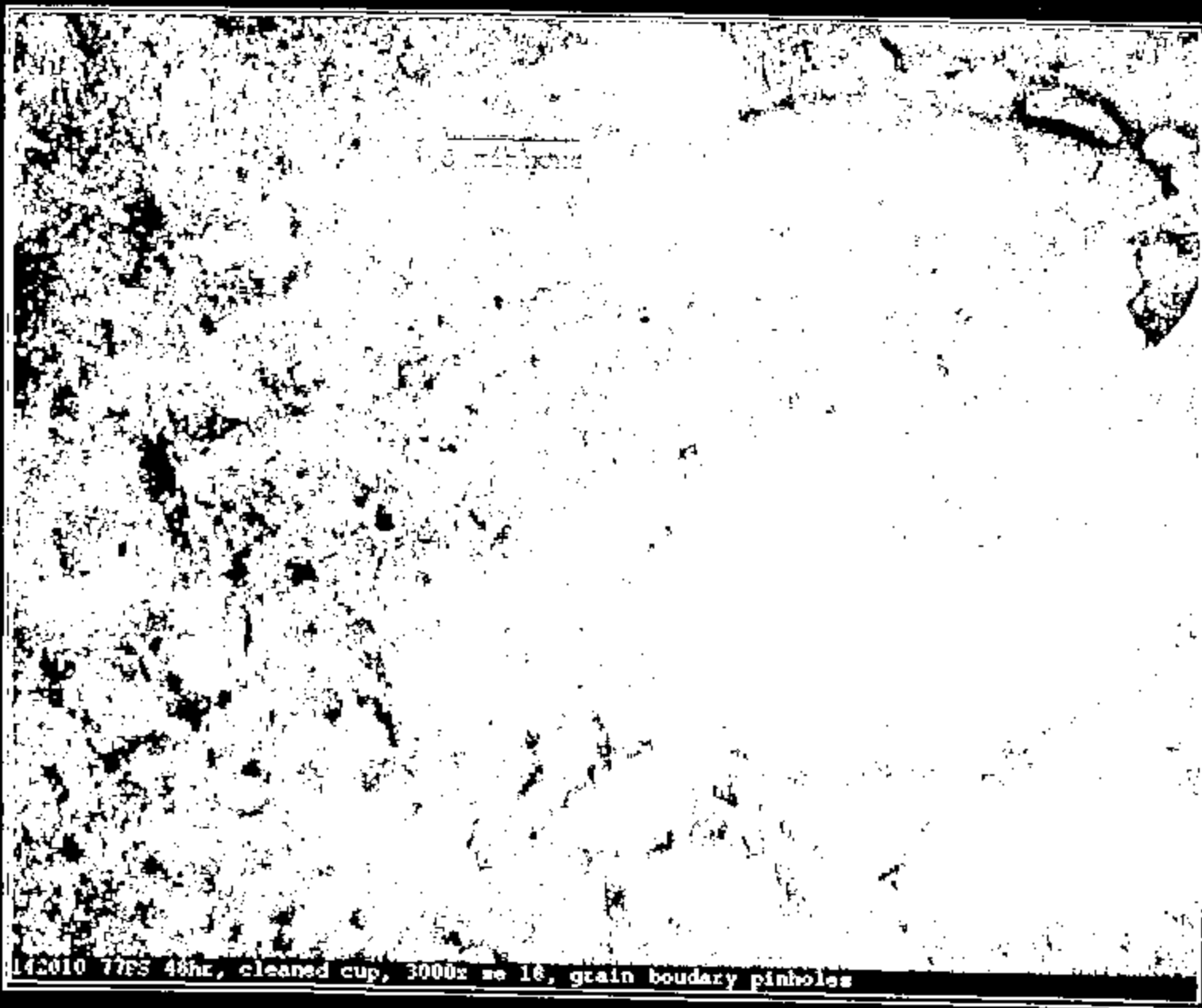


142010 77FS 48hr, cleaned cup, 500x bse 17









142010 77PS 48hr, cleaned cup, 3000x se 16, grain boudary pinholes

77-NHTSA 013442



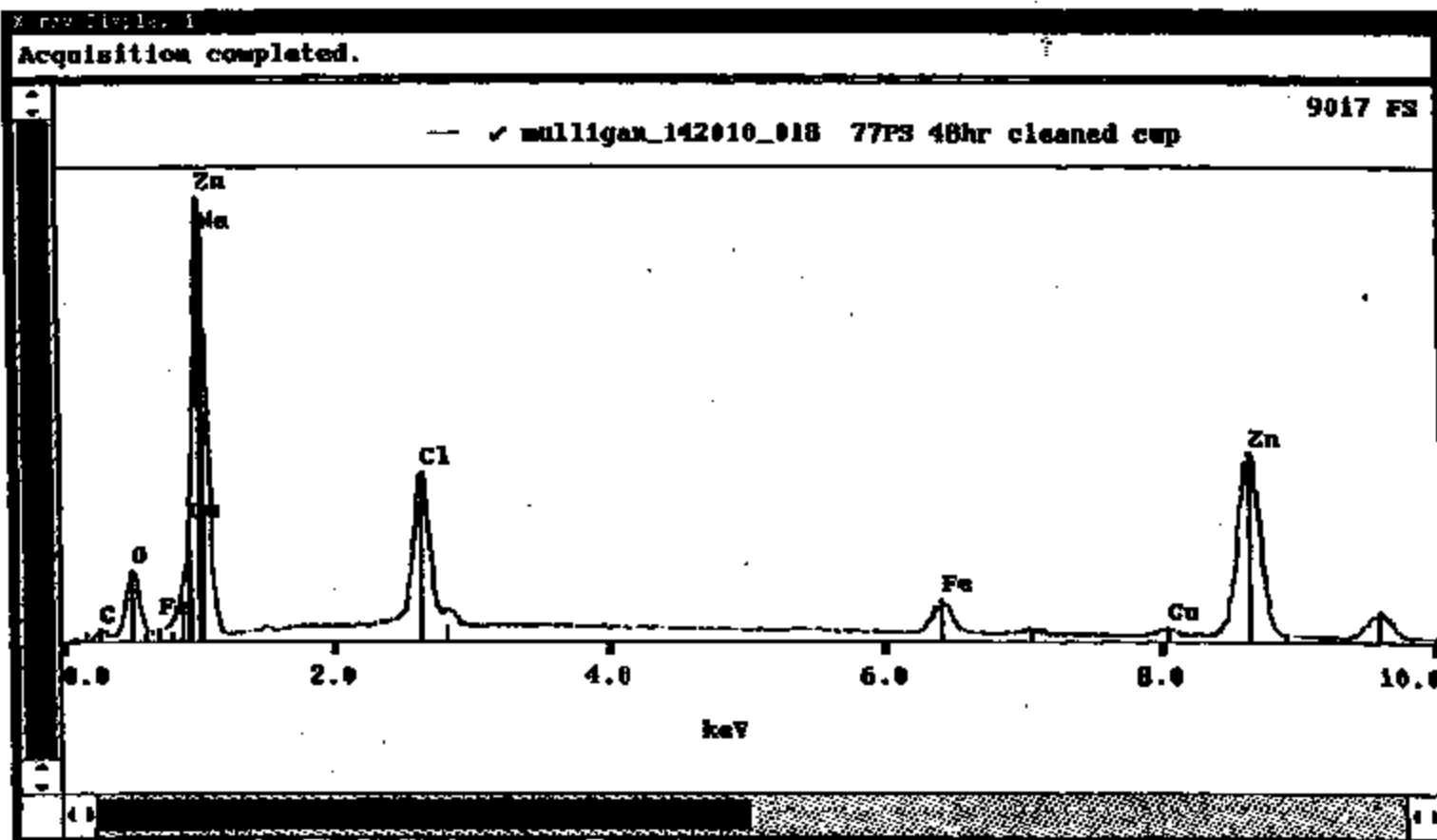
142010 77PS 48hr, cleaned cup, 2nd area 100x se 13

TI-NHHTGA 013443

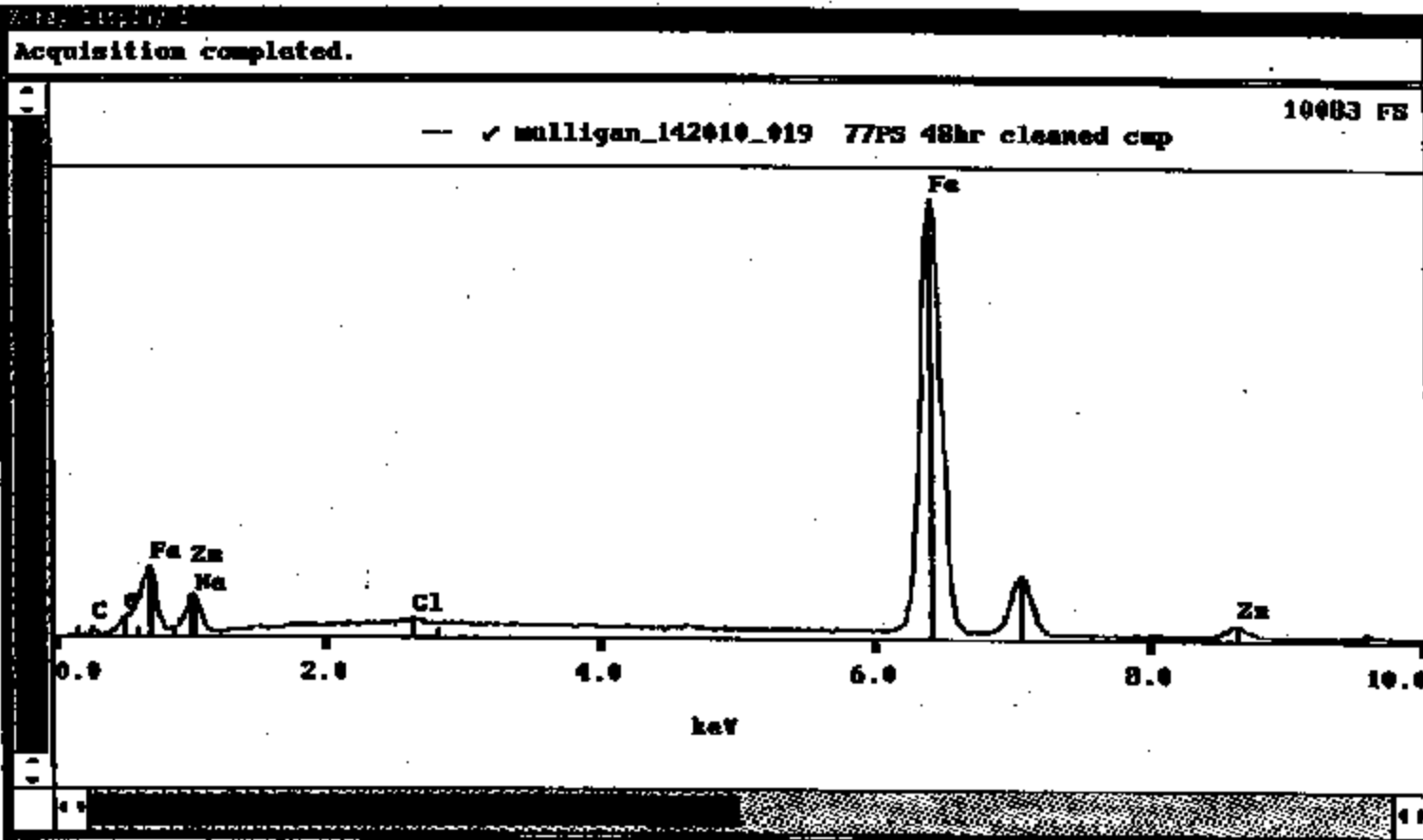
019

142010 77FS 48hr, cleaned cup, 2nd area 100x bee 20

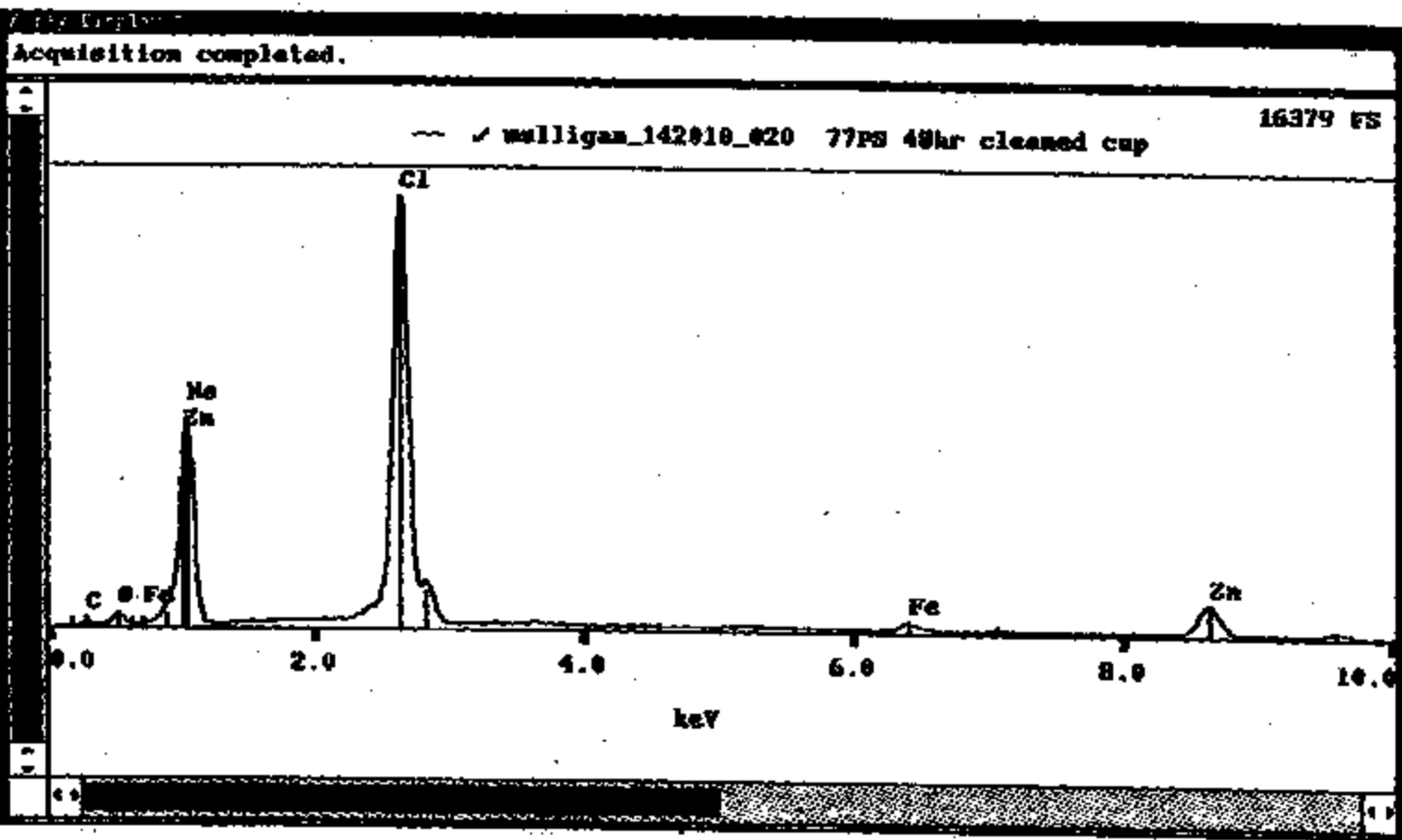
TI-NHTSA 013444



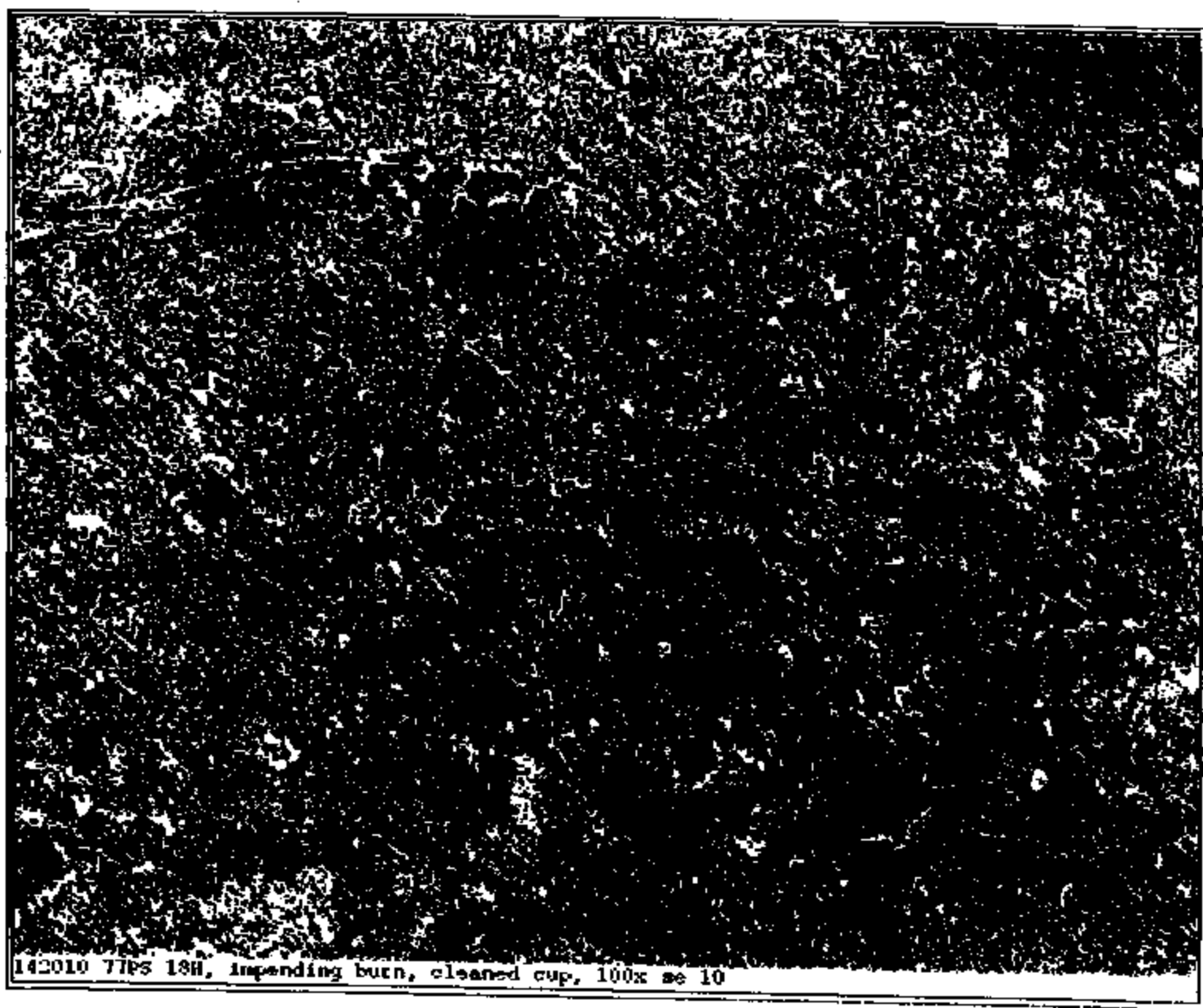
TI-NHTSA 013446



TI-NHTSA 013446



TI-NHTBA 013647



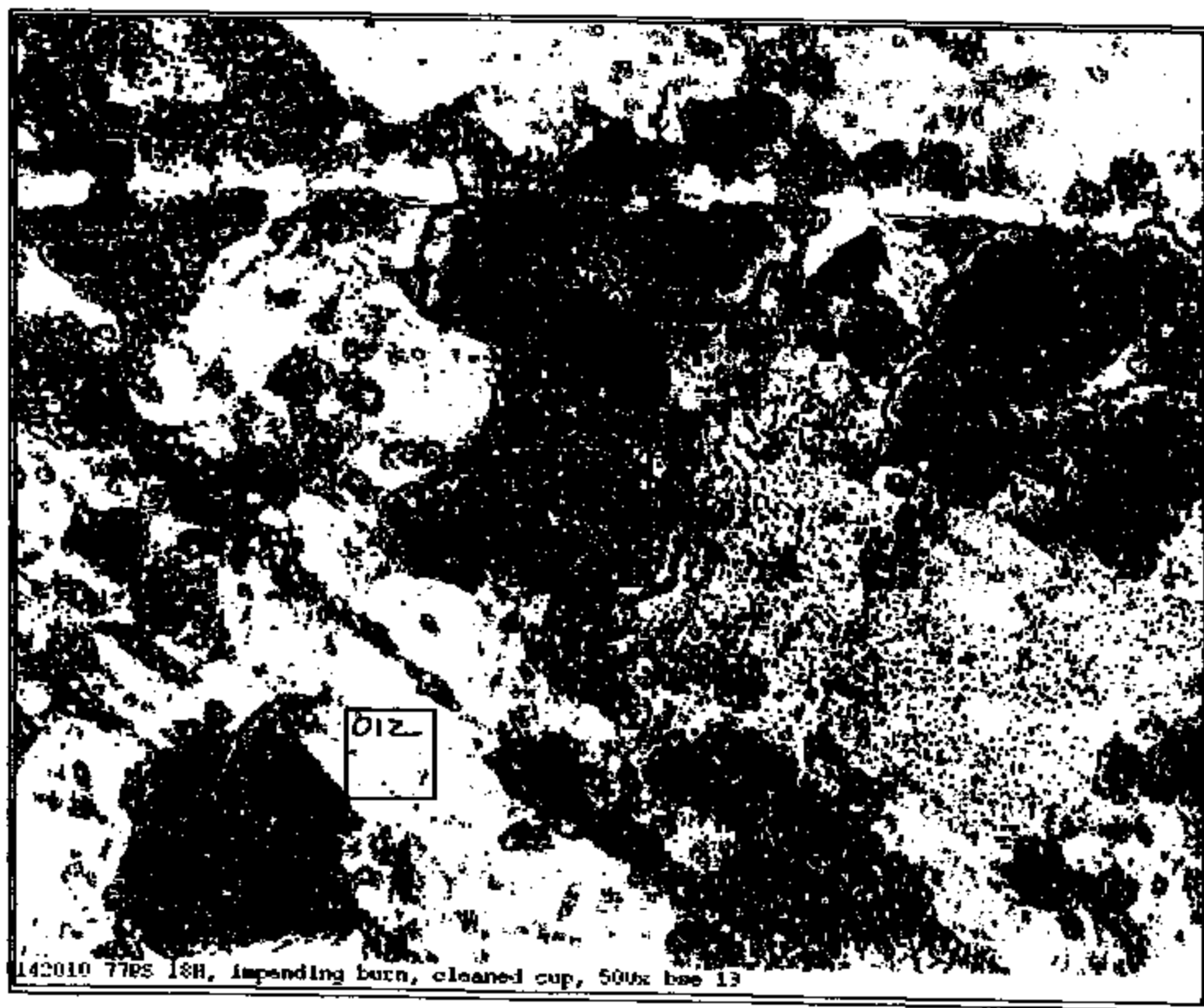
142010 77PS 18H, impending burn, cleaned cup, 100x se 10

TI-NHTSA 013448



142010 77PS 16H, impending burn, cleaned cup, 500x se 11

TI-NHTSA 013449



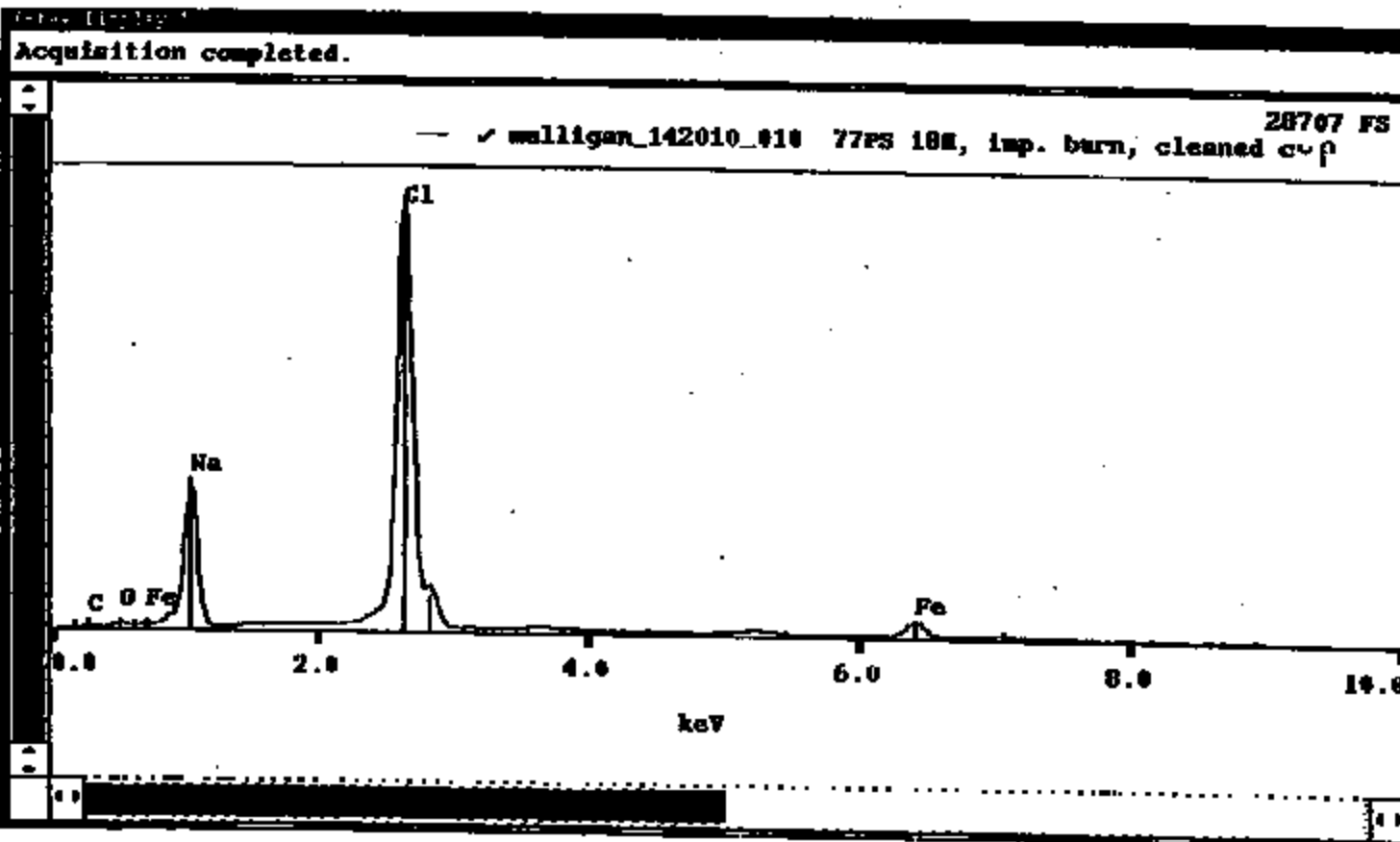
TI-NHTBA 012450



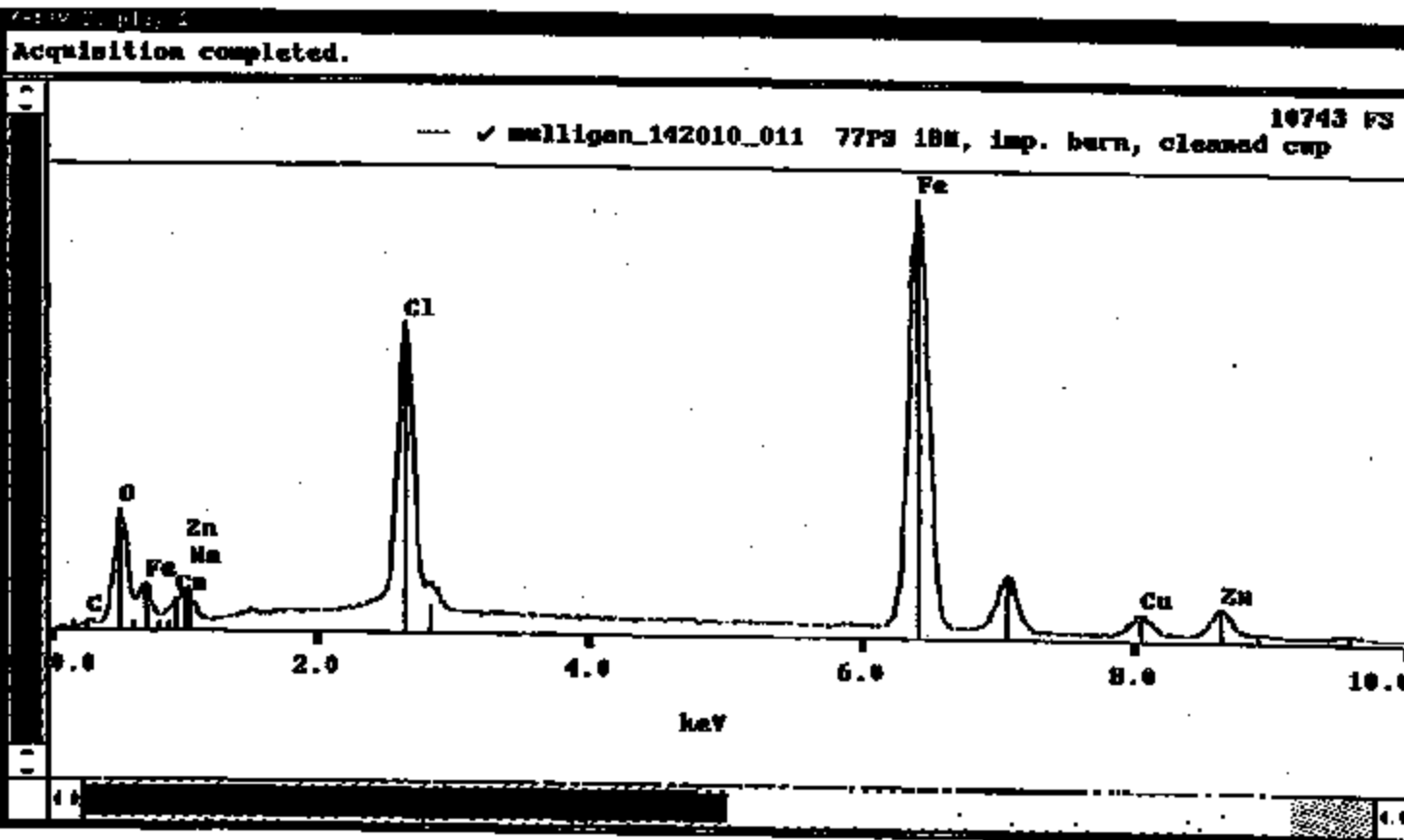
142010 77ES 18H, impending burn, cleaned cup, 100x bse 12

EC-4-27-64
C-13

TI-NHTSA 013461



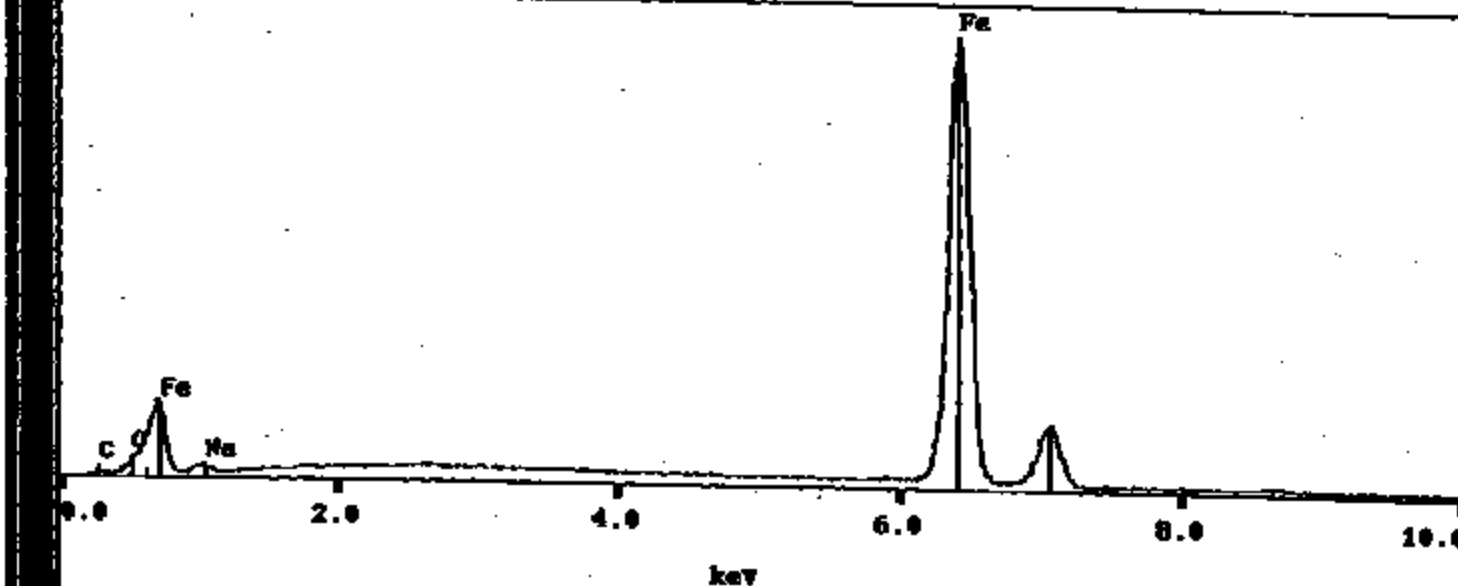
TI-NHTSA 013462



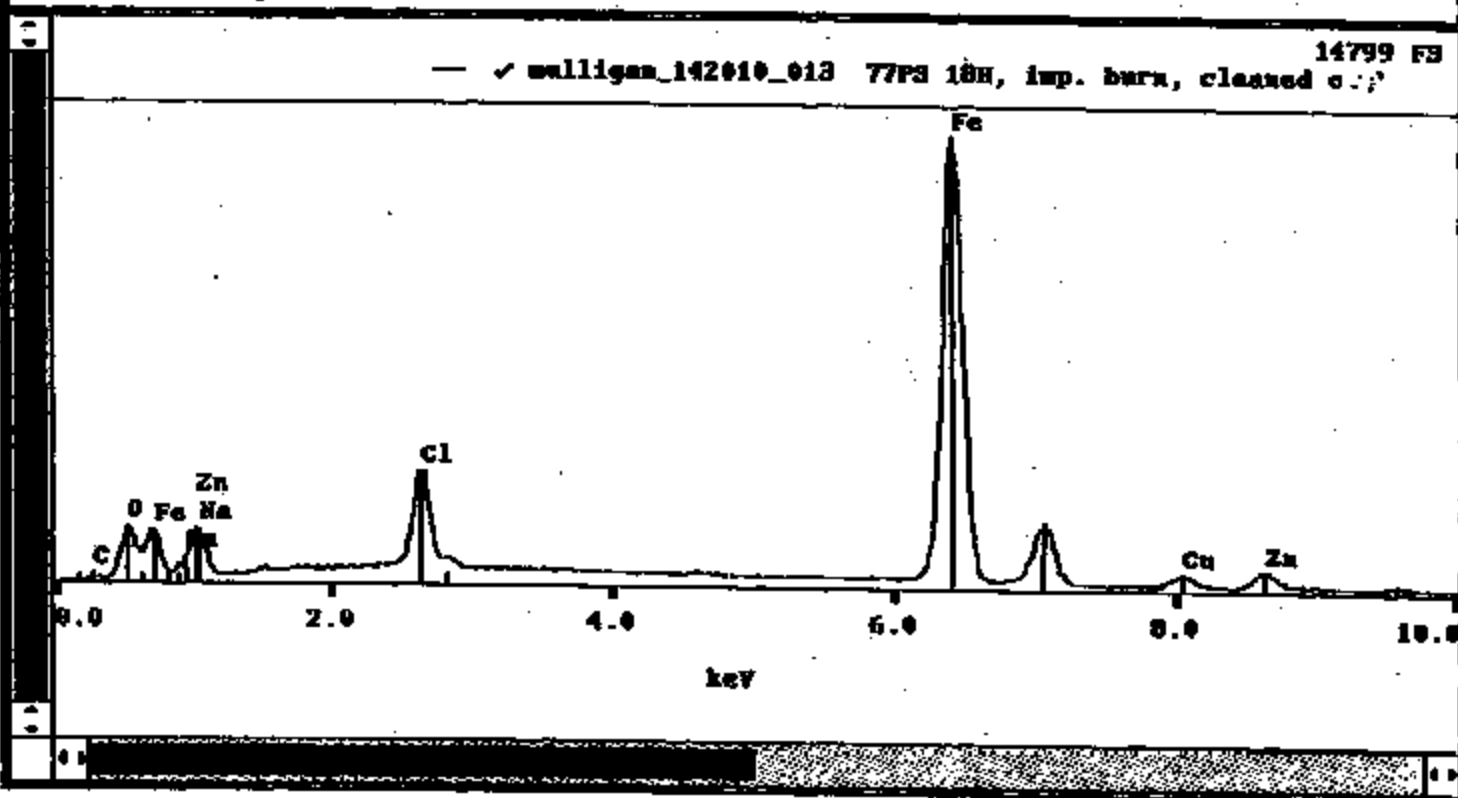
TI-NHTSA 013483

Acquisition completed.

— ✓ nulligan_142010_012 77PS 18M, imp. burn, cleaned cvf 14451 FS



Acquisition completed.



TI-NHTSA 013485



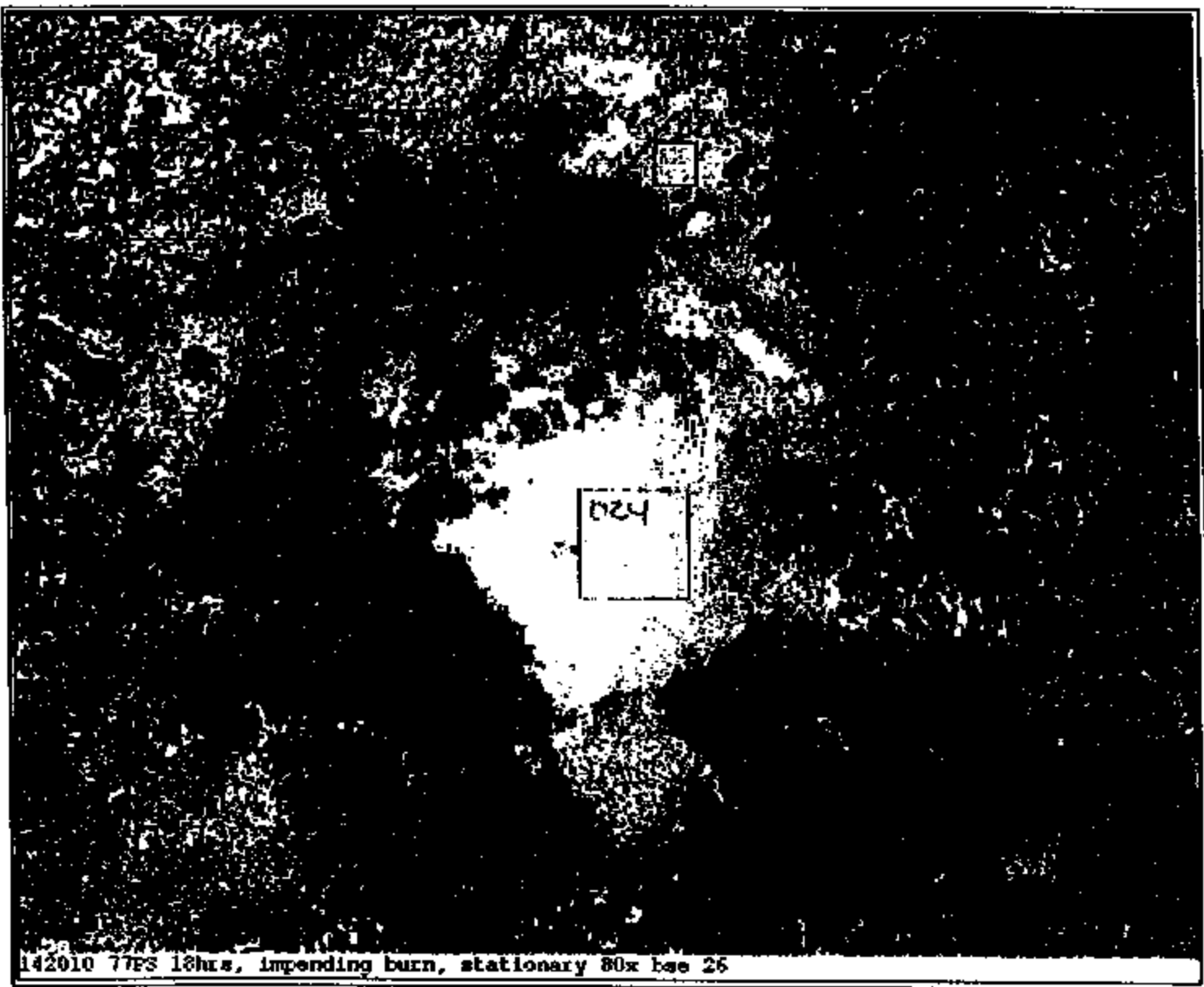
142010 77PS 18hrs, impending burn, 22x ss ...

TI-NHTSA 013466



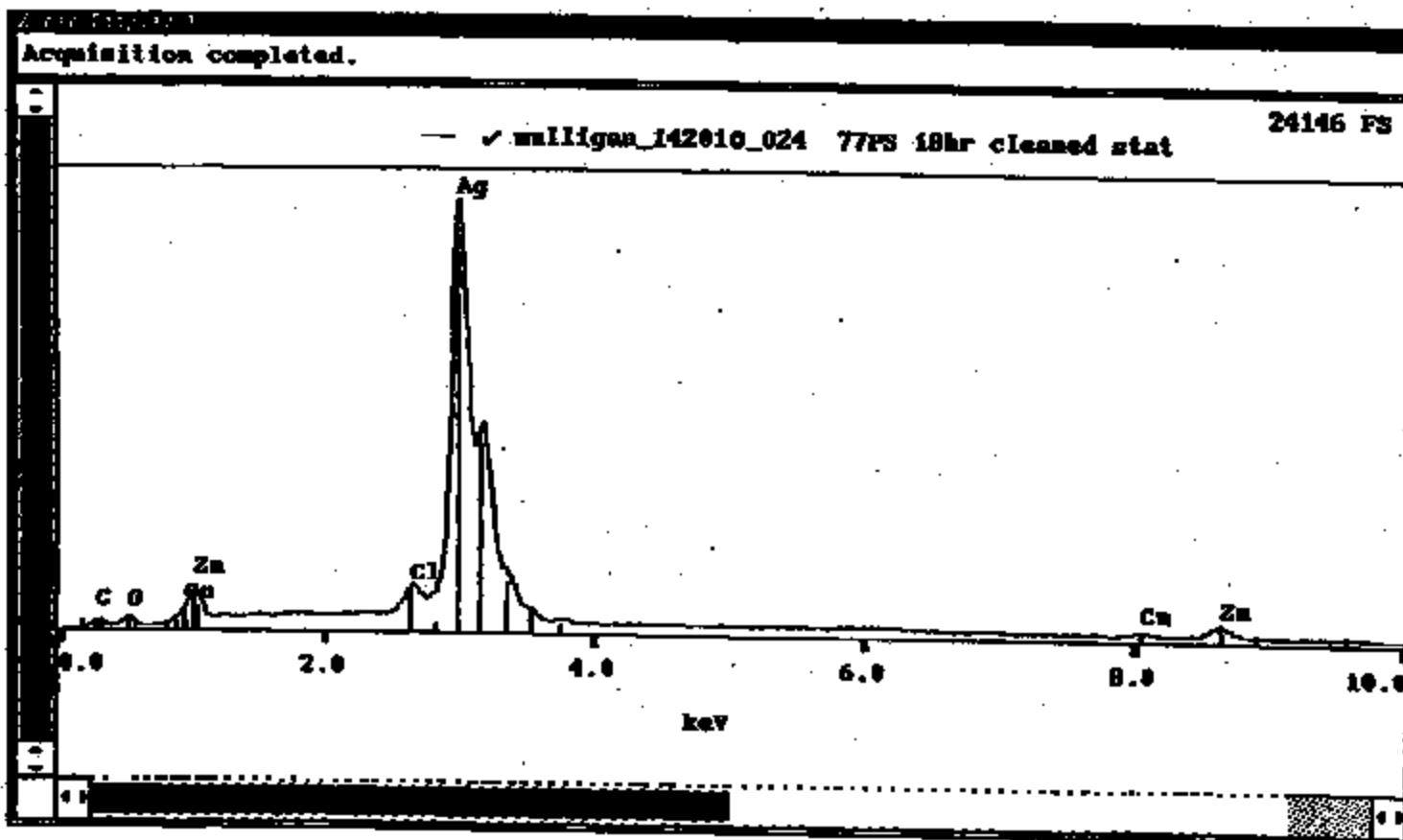
142010 77PS 18hrs, impending burn, 80x 25

TI-NHTSA 013467

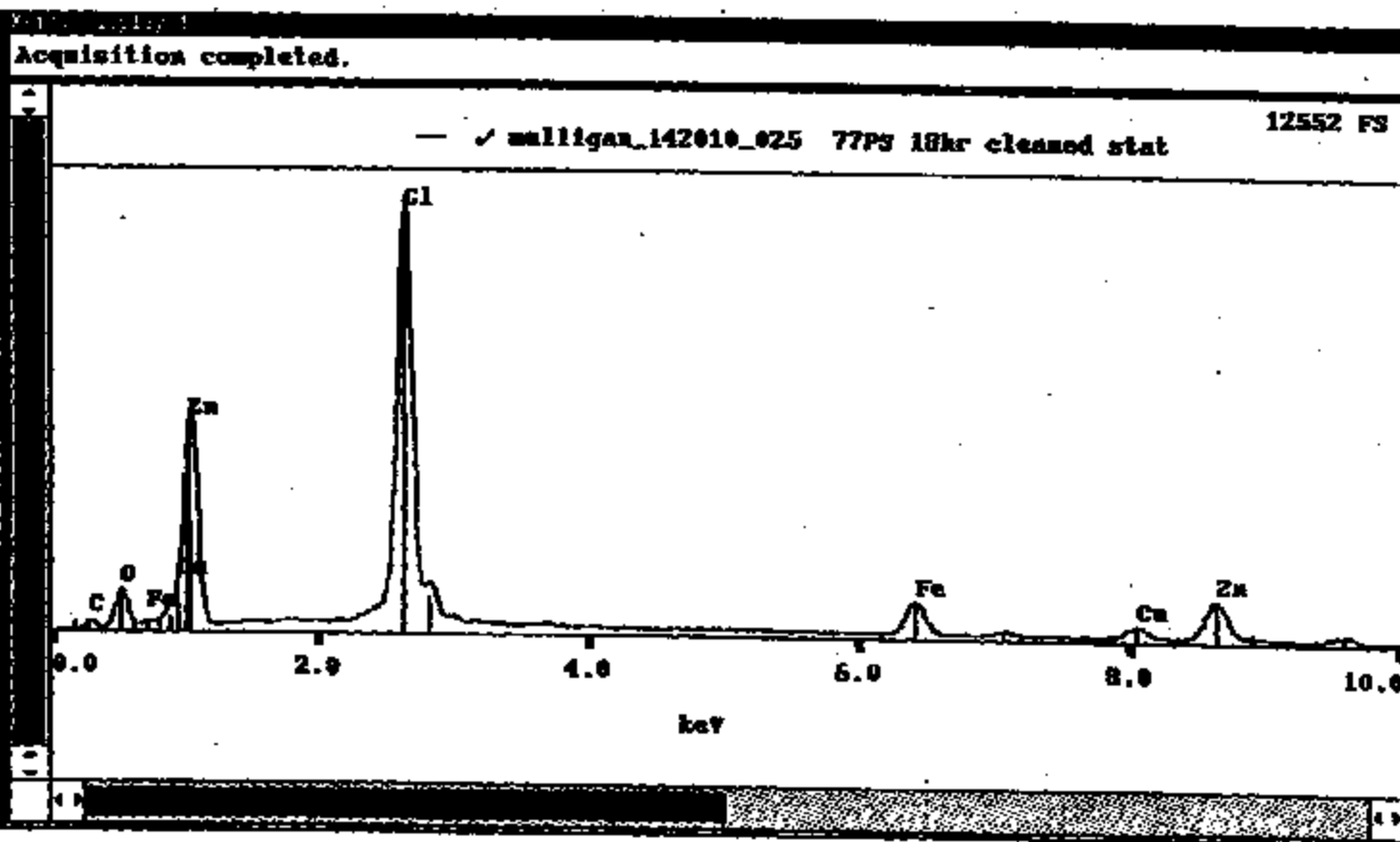


142010 77FS 18hrs, impending burn, stationary 80x bae 26

TI-NHTSA 013458



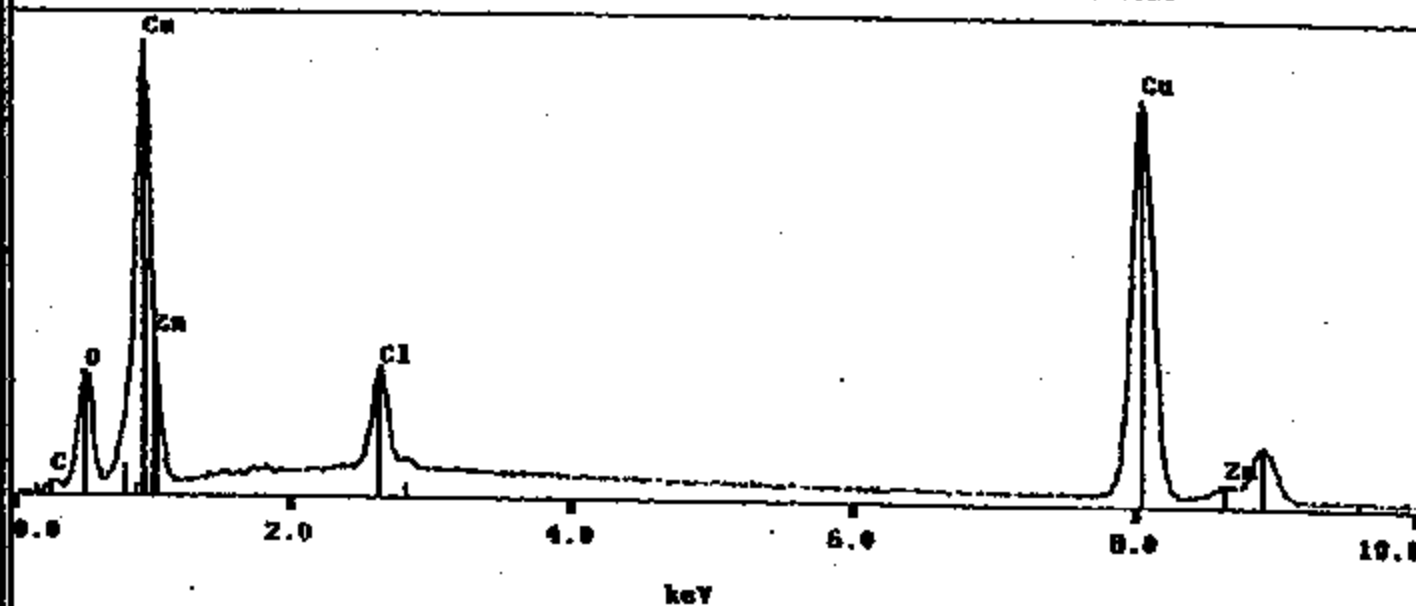
71-NHTBA 013469



Acquisition completed.

✓ mulligan_142010_026 77PS 16hr cleaned stat

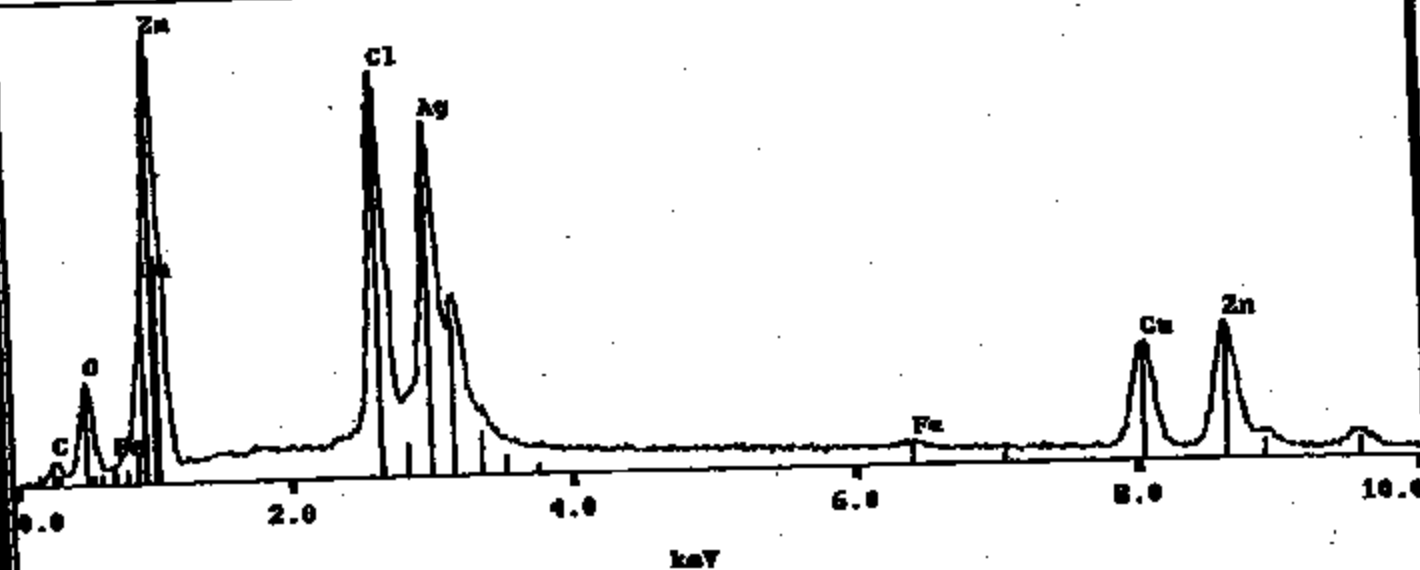
0708 FS



Acquisition completed.

6176 FS

— ✓ mulligan_142010_027 77PS 18hr cleaned stat



TI-NHT8A 013462



142010 77PS 18hrs, impending burn, movable remnants, monometal stake 18x se 27

TI-NHTSA 013463



142010 77F3 18hrs, impending burn, movable remnants, monometal stake 70x base 29

TI-NHTSA 013464



142010 77PS 13hrs, impending burn, movable remnants, monometal stake 70x se 50

TI-NHTSA 013465

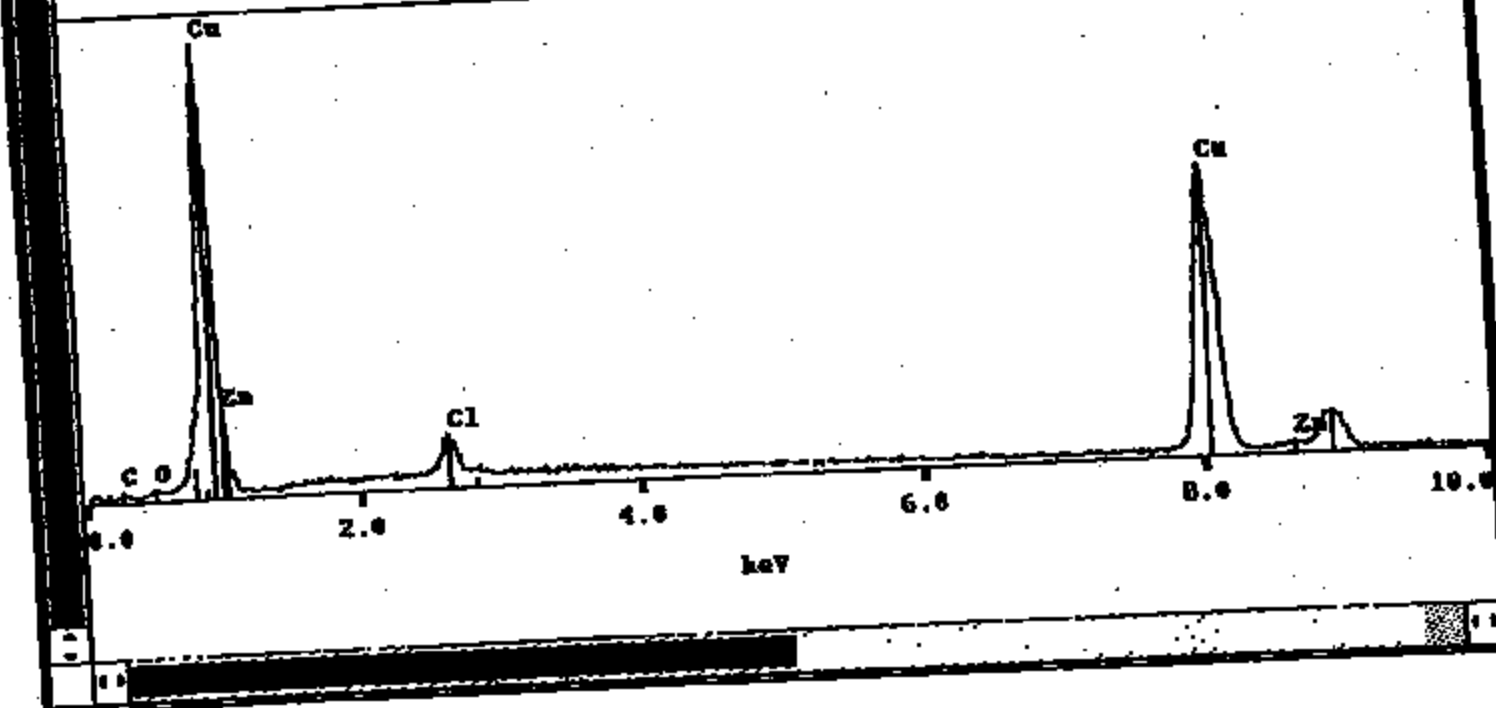


TI-NHTSA 013468

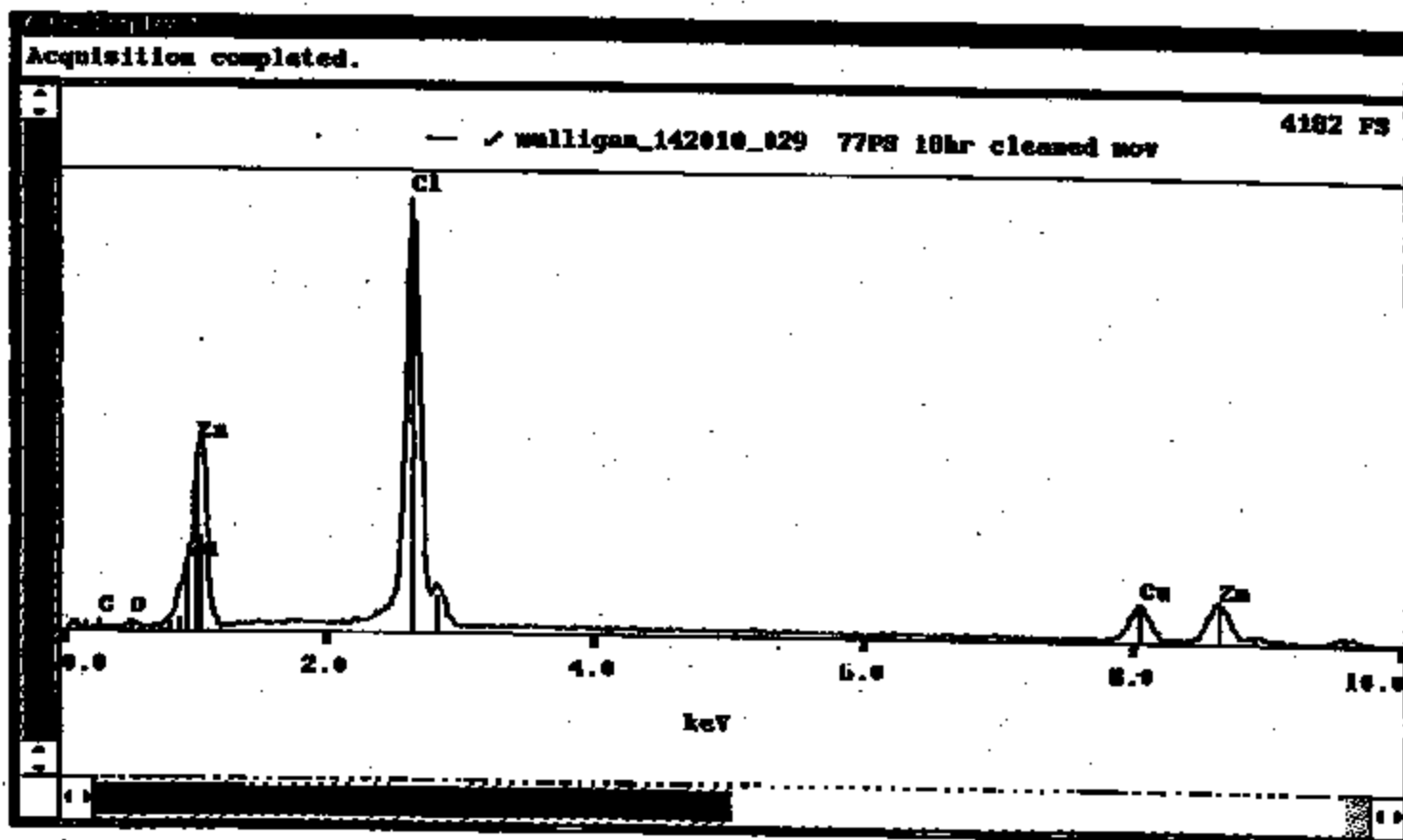
Acquisition completed.

3303 FS

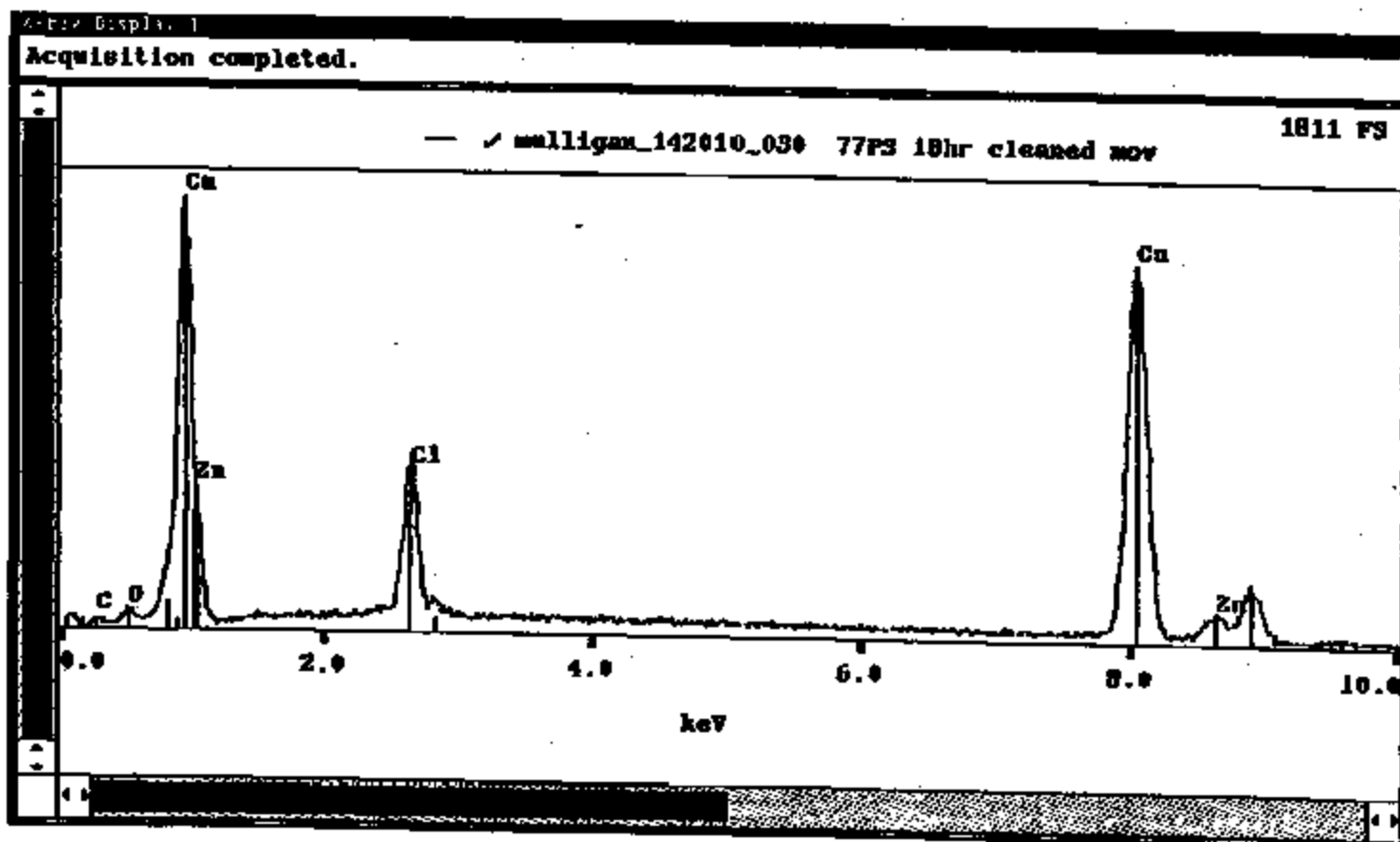
✓ mulligan_142010_02B 77PS 18hr cleaned mov



TXNHTSA 01346



TI-NHTSA 013468



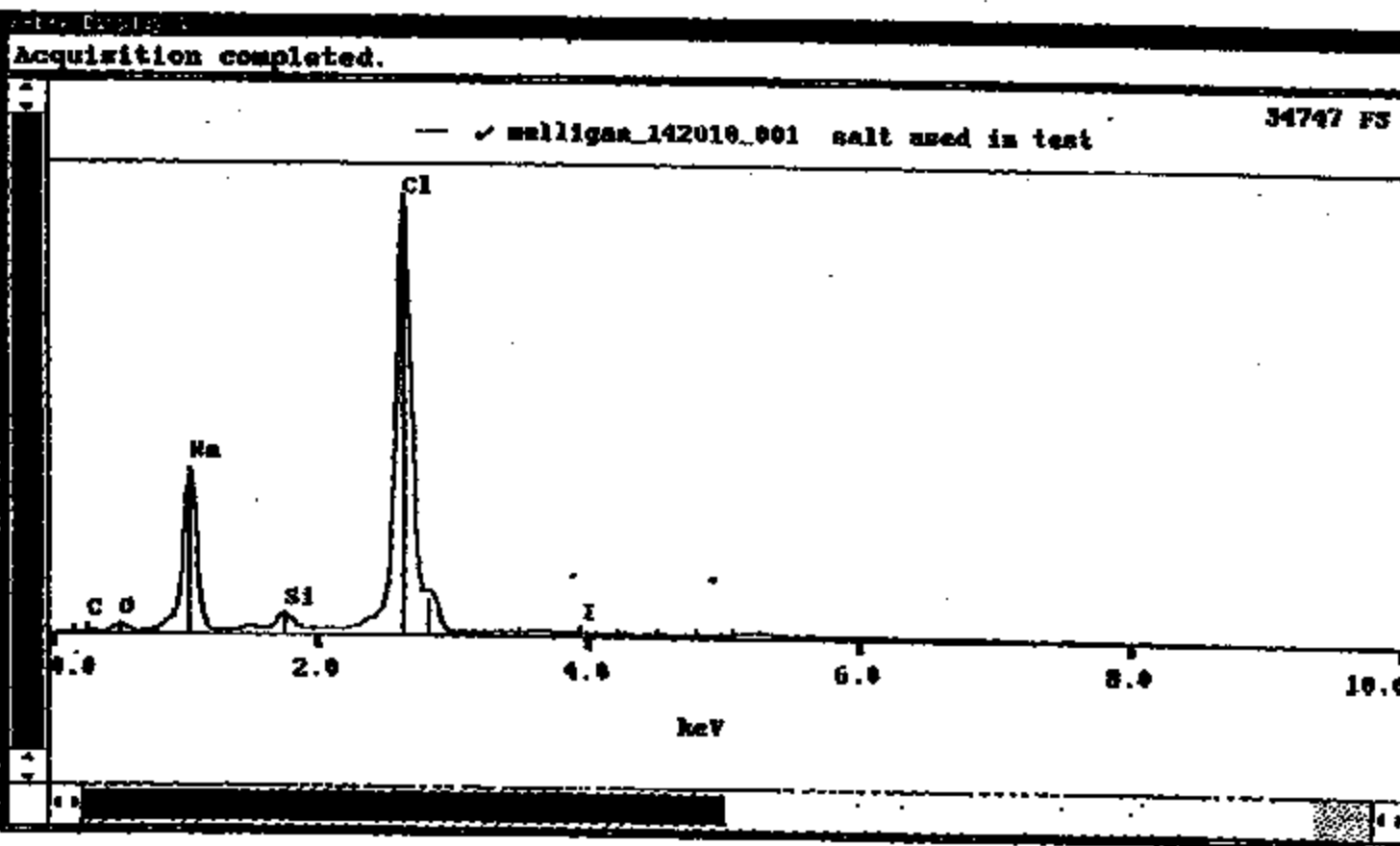
TI-NHTSA 013468

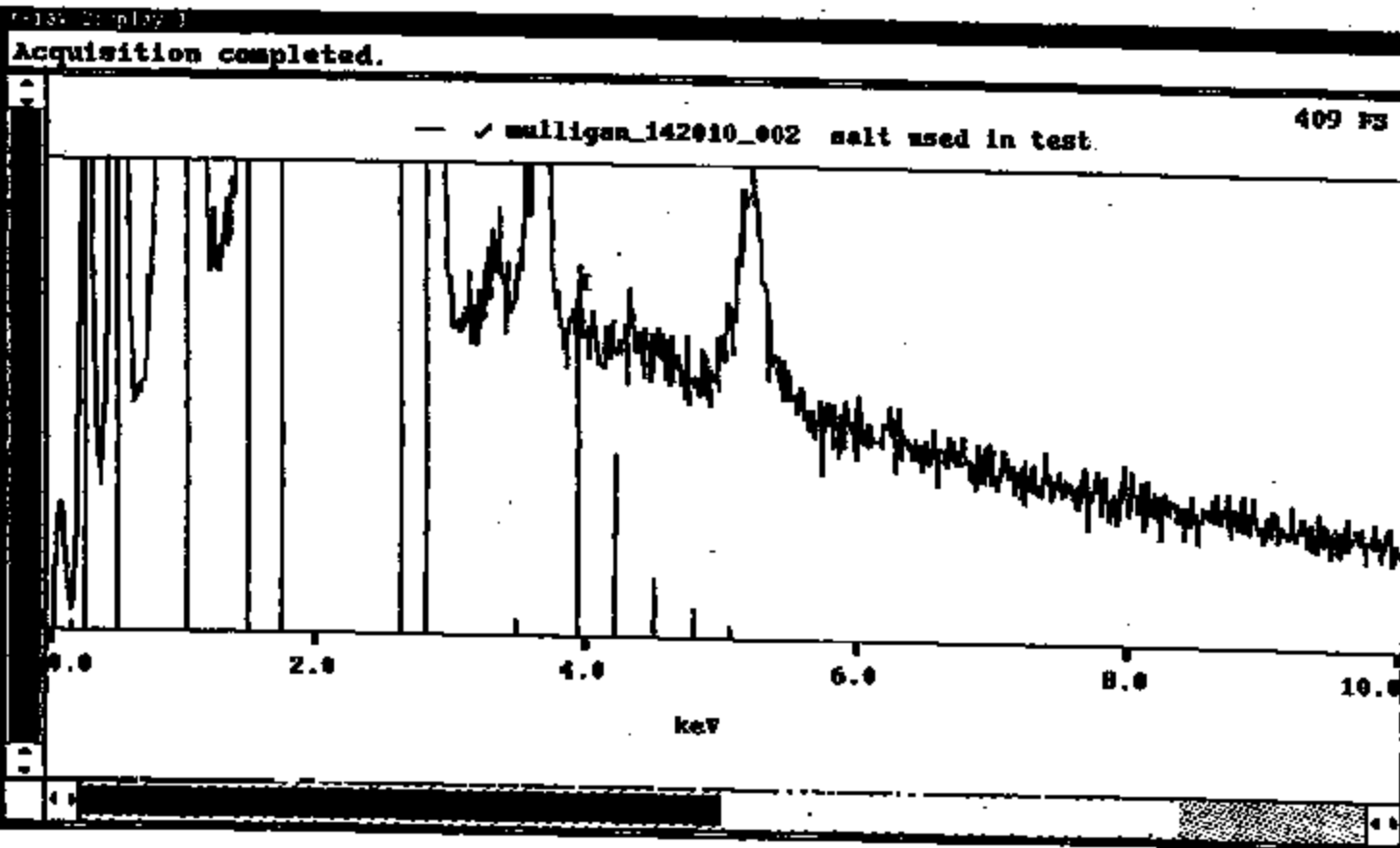


142010 salt used in tests, 100x so 01

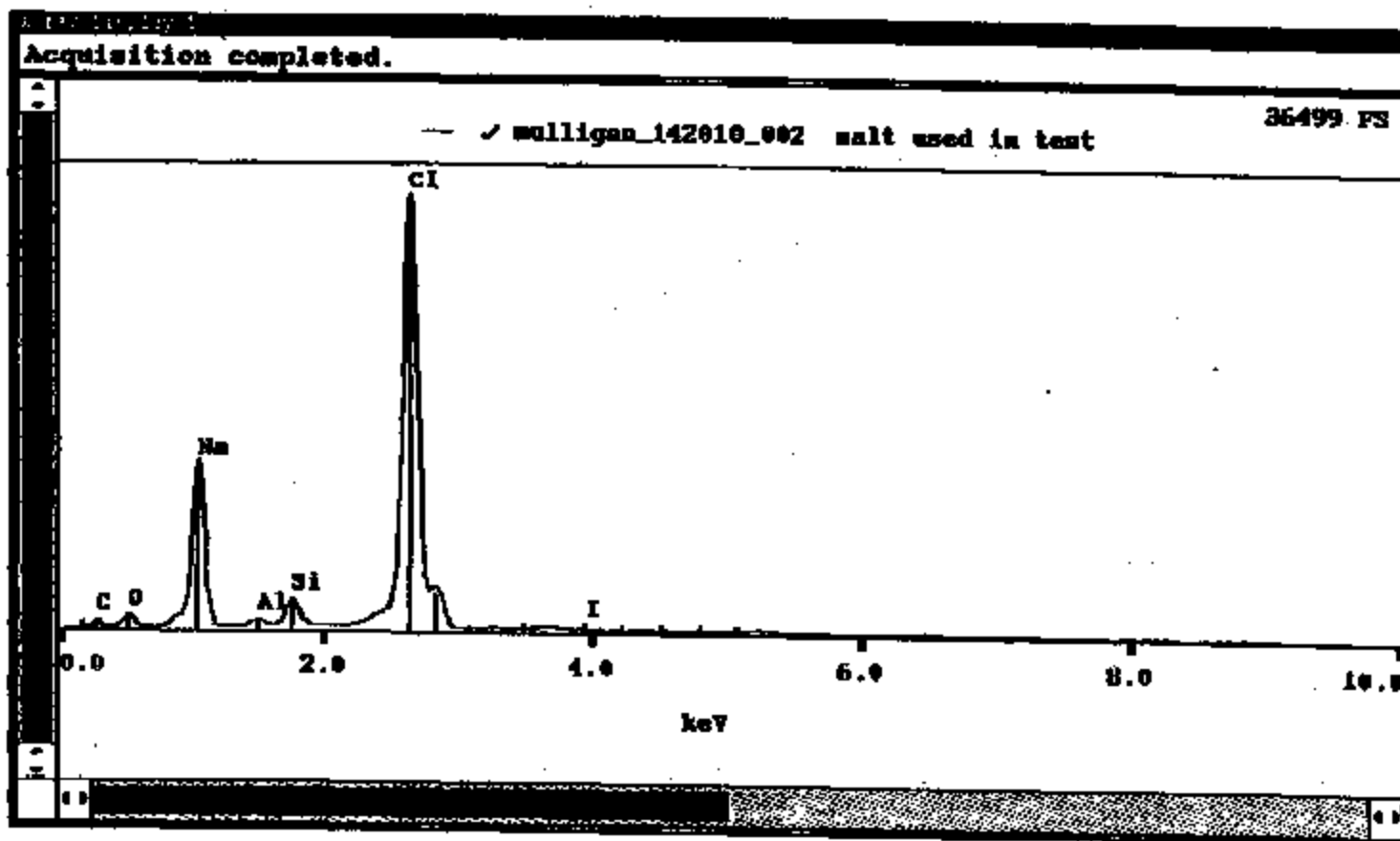
00Z OVERALL

TI-NHTSA 013470





TI-NHTSA 013472

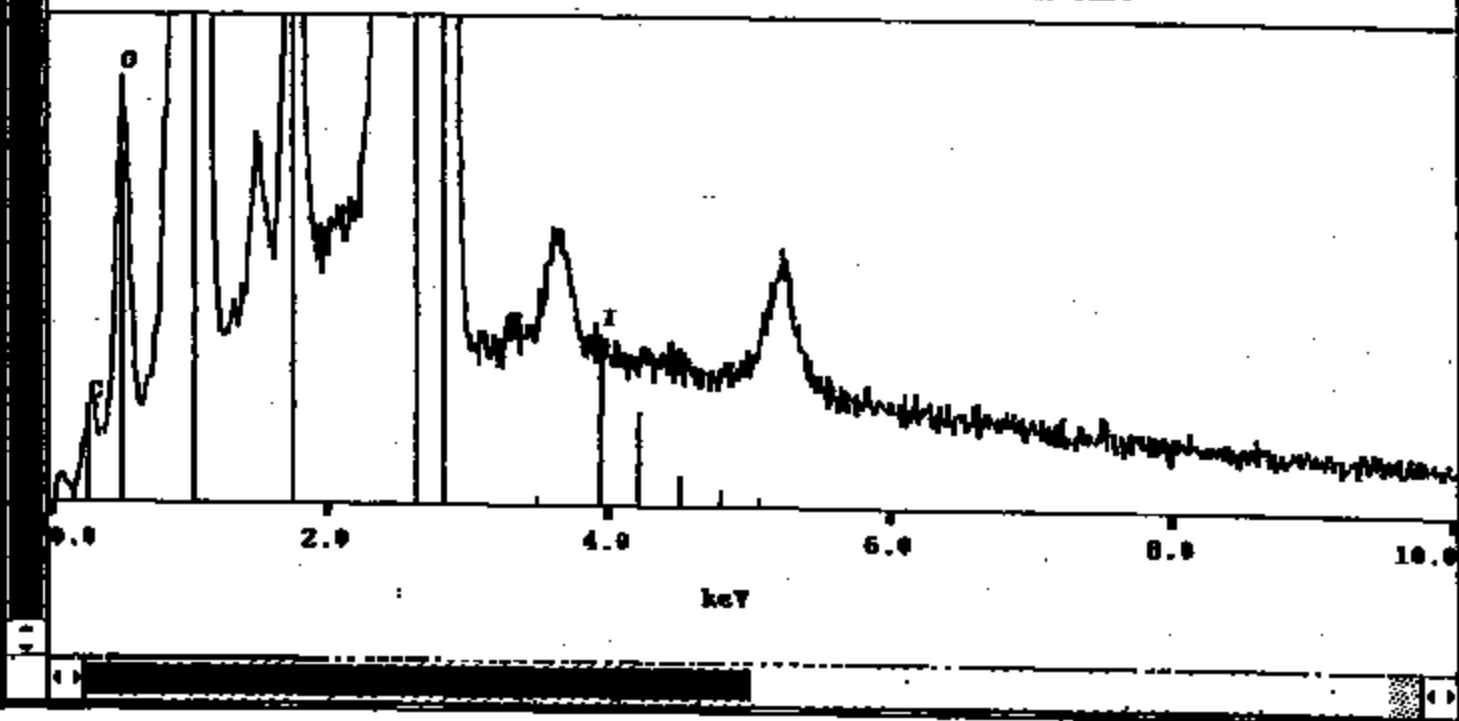


TI-NHTSA 013473

Acquisition completed.

— ✓ walligan_142910_001 salt used in test

788 FS



TI-NHTSA 013474



142010 salt used in tests, 100x so 01

002 OVERALL

TI-NHTSA 012476

Acquisition completed.

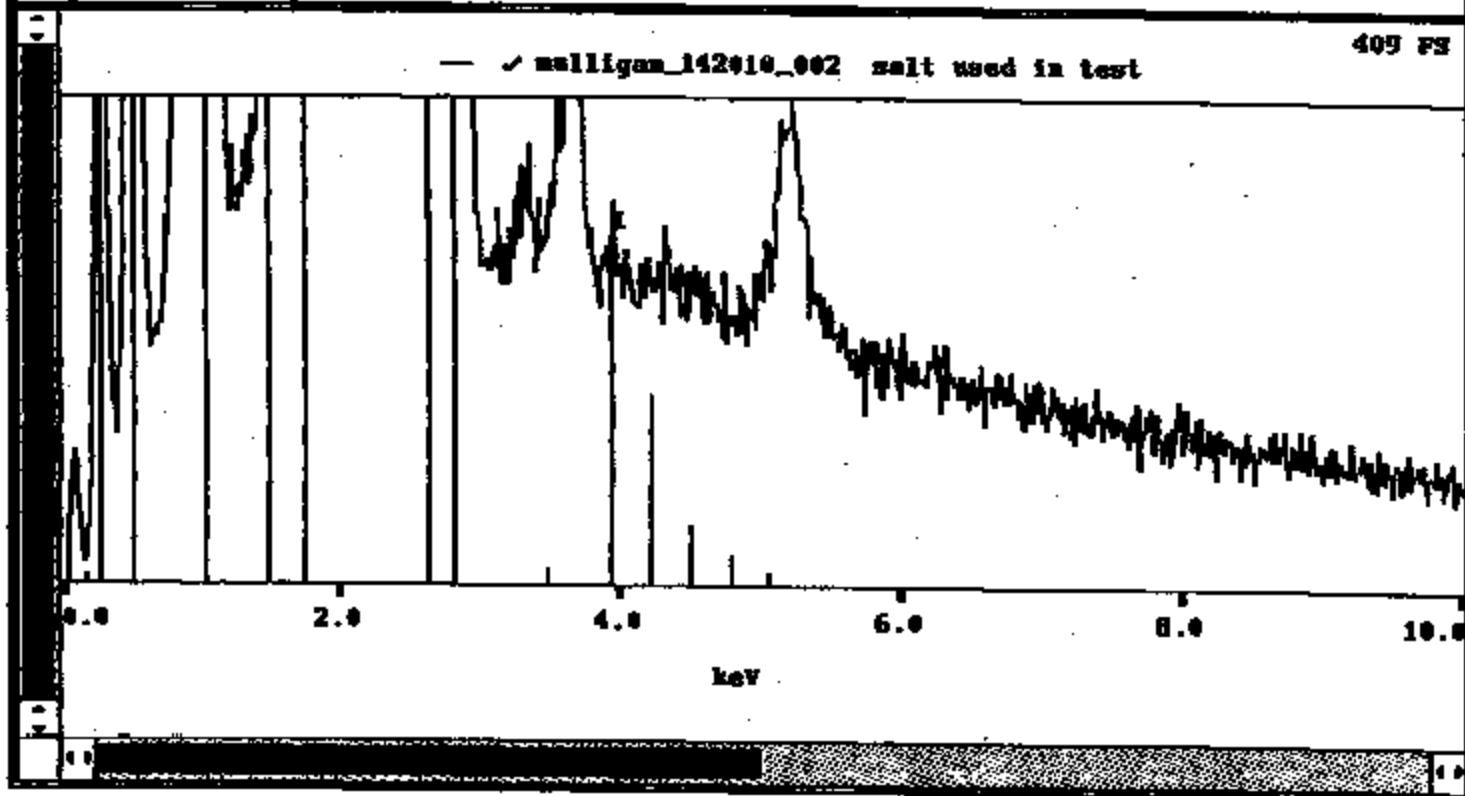
✓ mulligan_142010_001 salt used in test

34747 FS

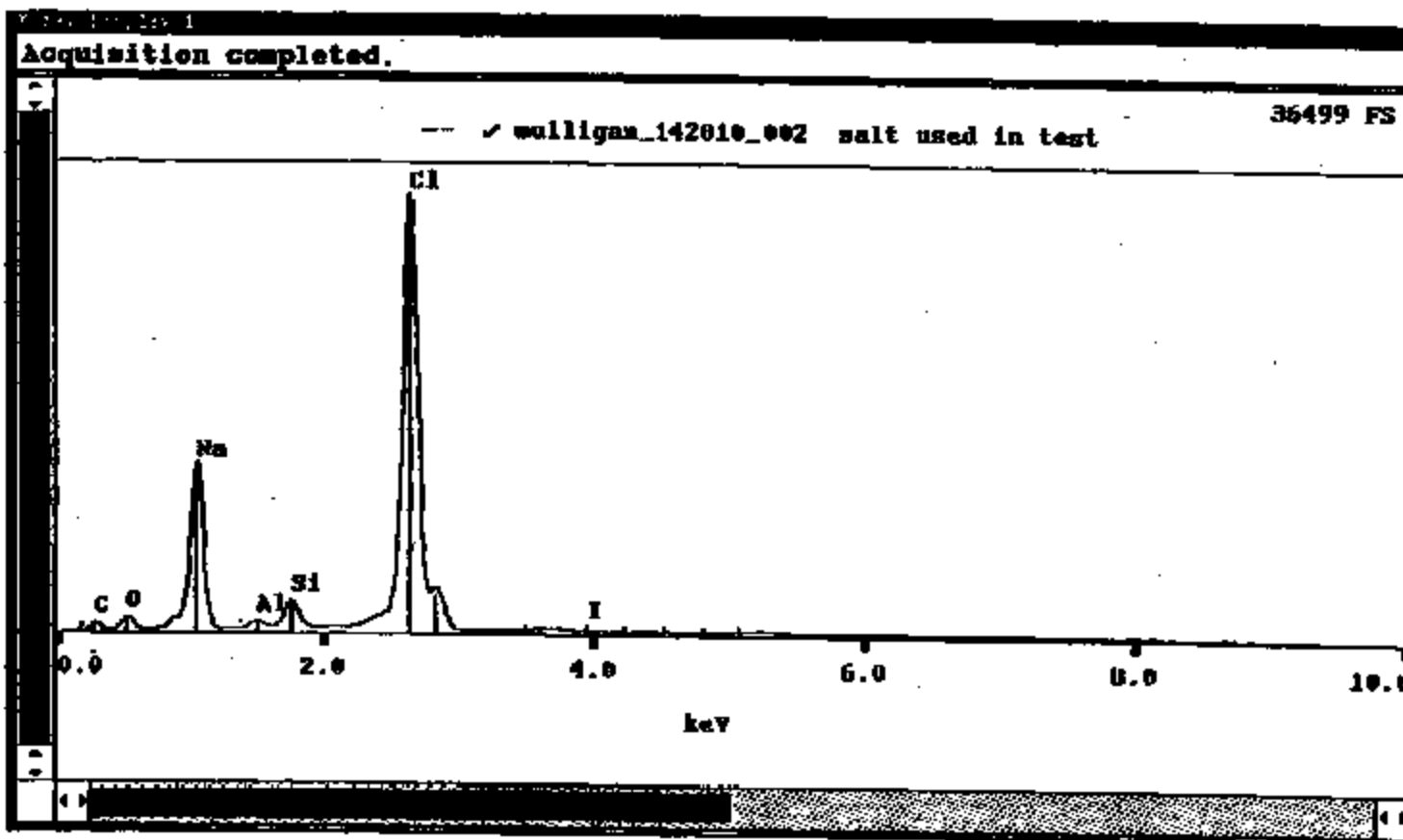


TI-NHTSA 013476

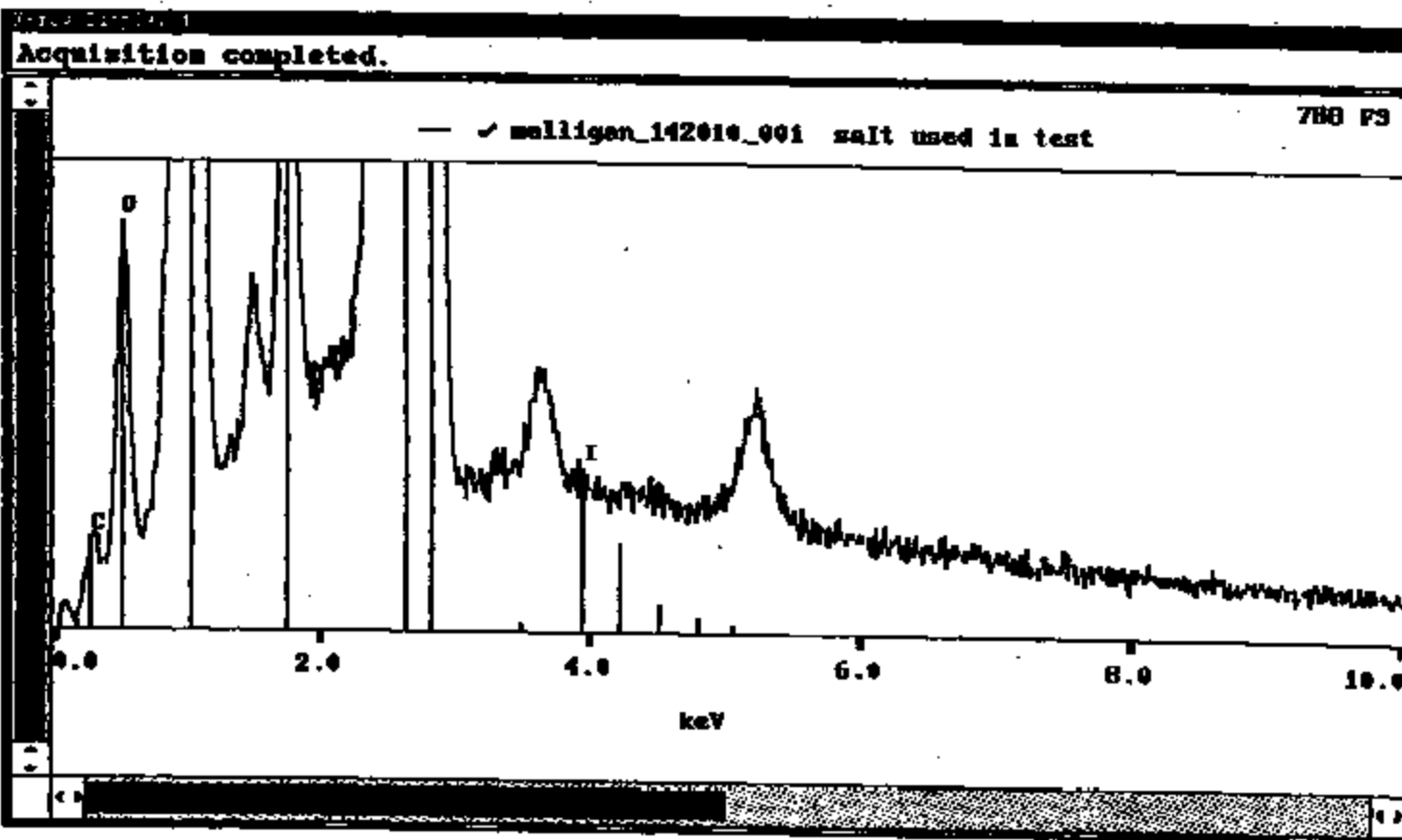
Acquisition completed.



TI-NHTSA 013477



TI-NHT8A 013478



TI-NHTSA 013479

TECHNICAL SERVICE LABS

LOG NO. 13042TEST NO. 153465TEST NO. 153465

JO ID	<u>127</u>	STATE YOUR PROBLEM SAMPLE DESCRIPTION	INFORMATION DESIRED: <u>FTIR</u>
REQUESTOR	<u>357-127</u>		
PRODUCT CODE	<u>088</u>		
REQUESTOR	<u>SEAM</u>		
MAR. STATION	<u>12-29</u>		
EXTENSION	<u>2535</u>		
MFG ID	<u>SEAM</u>		
DATE SUBMITTED	<u>5/9/99</u>		
DATE RECEIVED			
NO. OF SAMPLES	<u>(2)</u>		
COMPOSITION			

REPORT OF RESULTS:

M 1: #5 = 24 DAYSMg: #5 = 13 DAYS

66-4-C

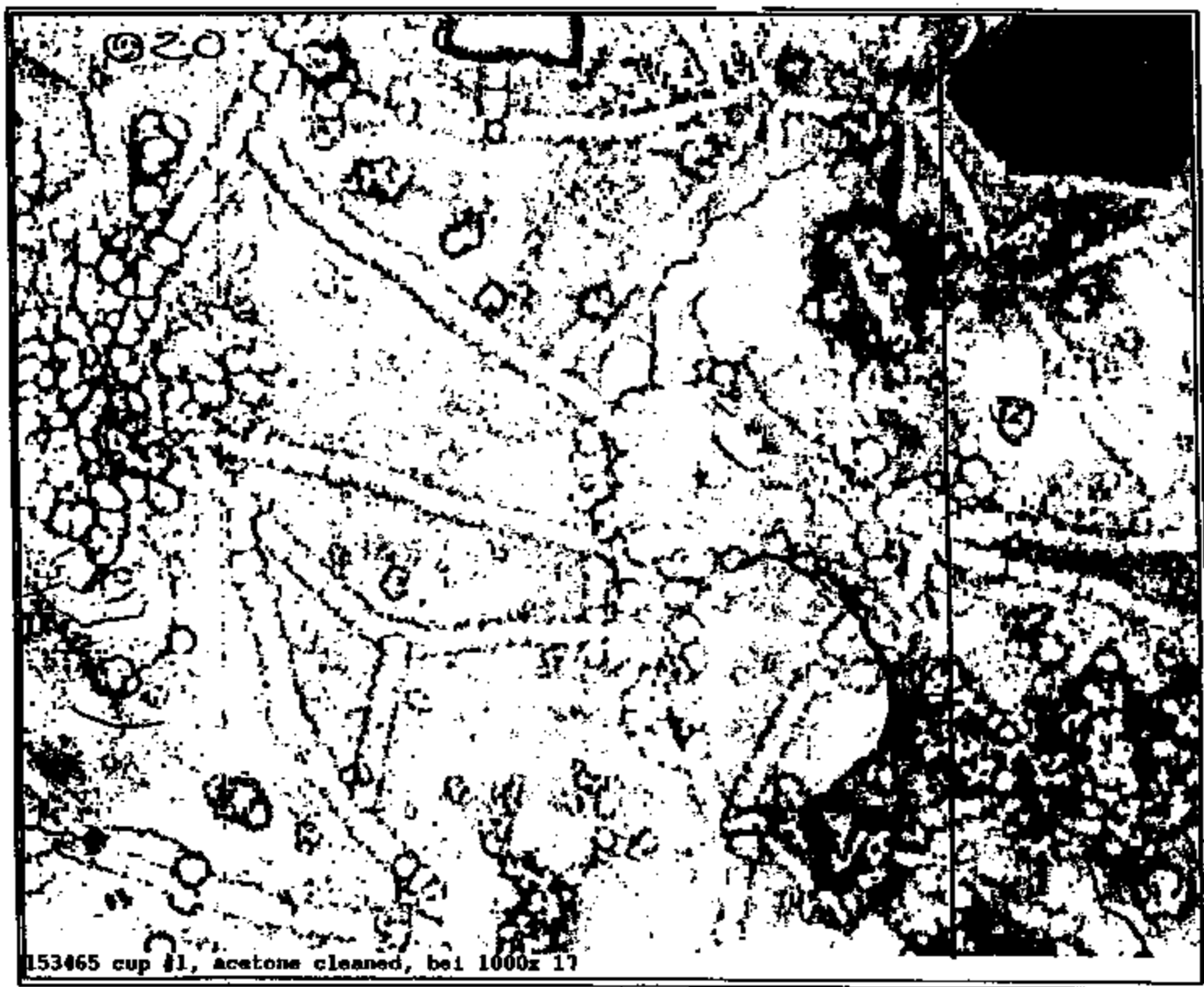
DATE RECEIVED _____ DATE OUT _____

TECHNICIAN			
HOURS WORKED			
PROCEDURE USED			

*POC I.D.

MC-325	TM-431	CLKE-122	FACIL-514
PC-127	WIRE-432	CAN-264	FACIL-521
VERS-168	EPD-621	AD DEV-255	FACIL-531
AFCC-483	PEP-622	EMCD-877	STAFF-856
BMD-430	GSD-635		

TI-NHTSA 013480



153465 cup #1, acetone cleaned, bei 1000x 17



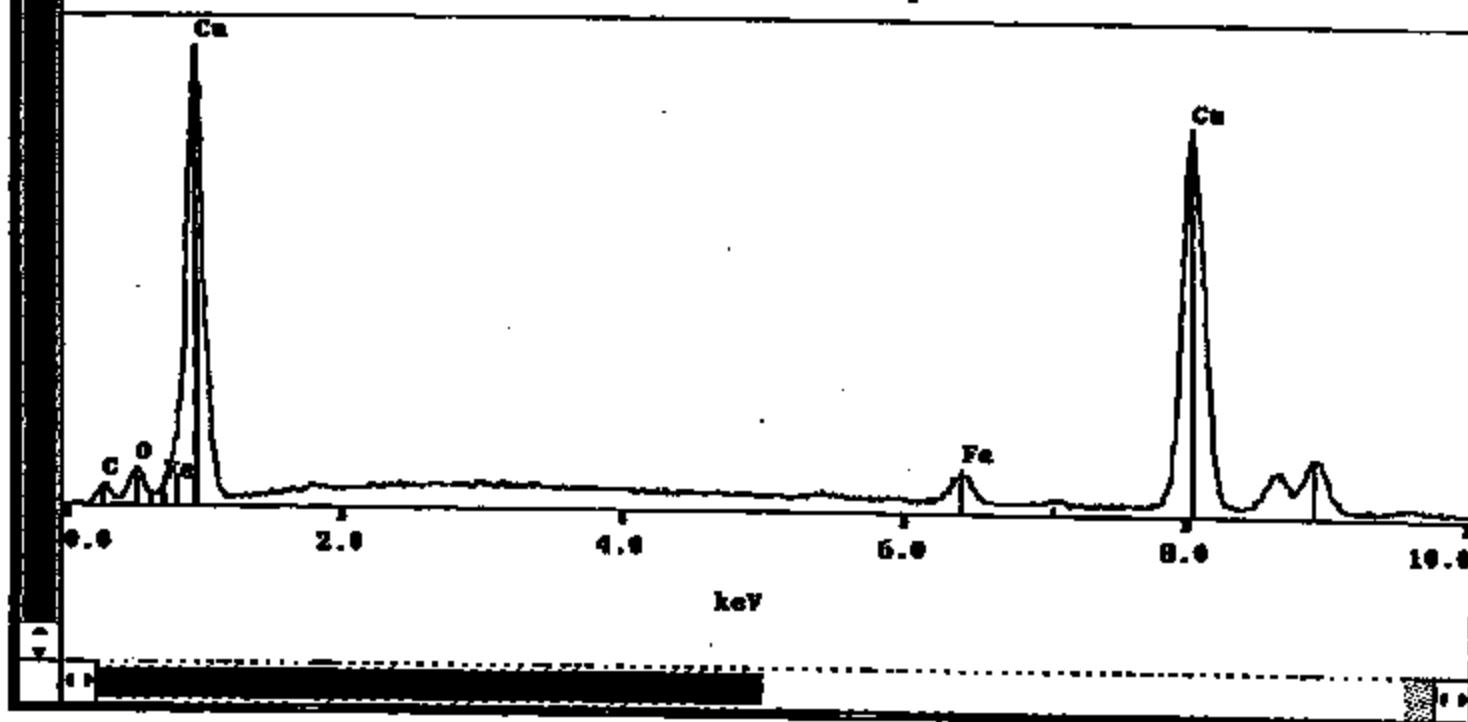
153465 cup #1, acetone cleaned, xoi 85x 16

TI-NHTSA 013482

Acquisition completed.

✓ walligan_153465_020 cup #1

6694 FS

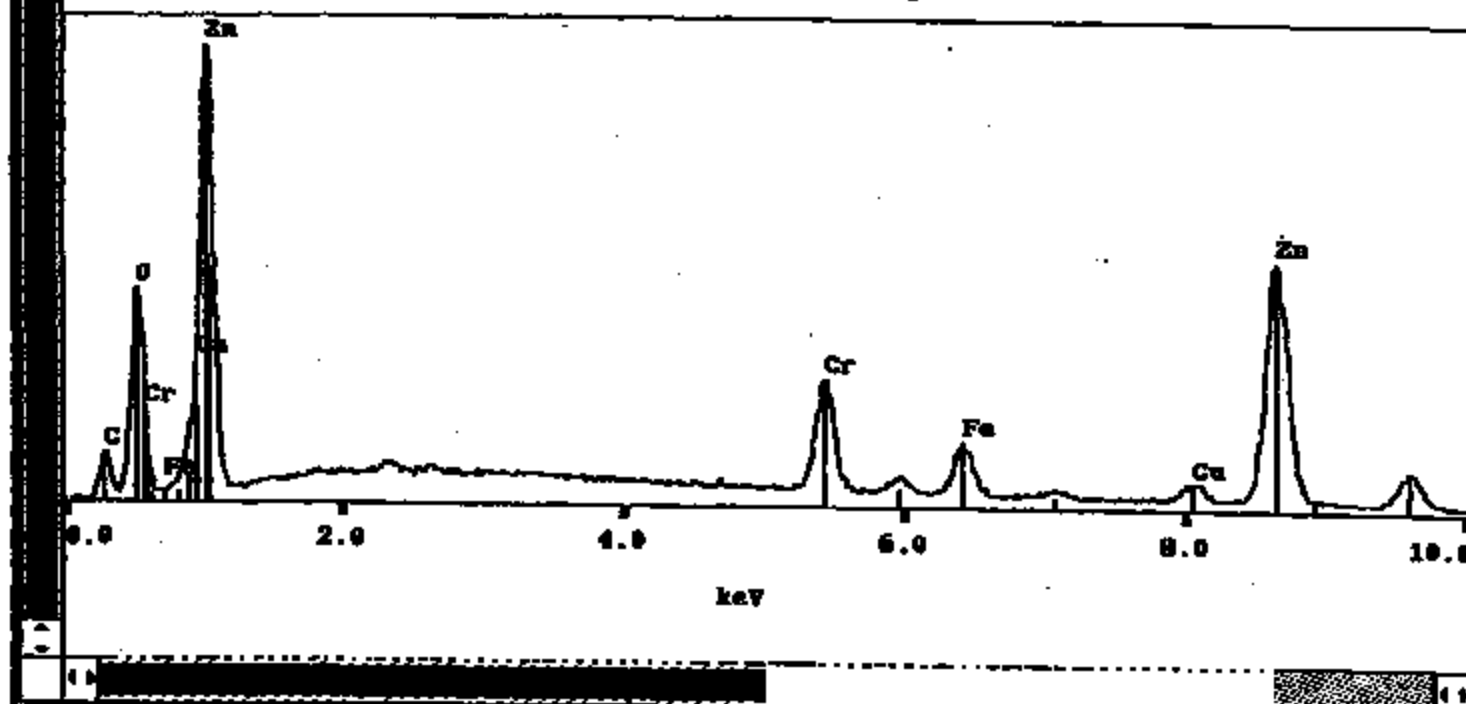


TI-NHTSA 013463

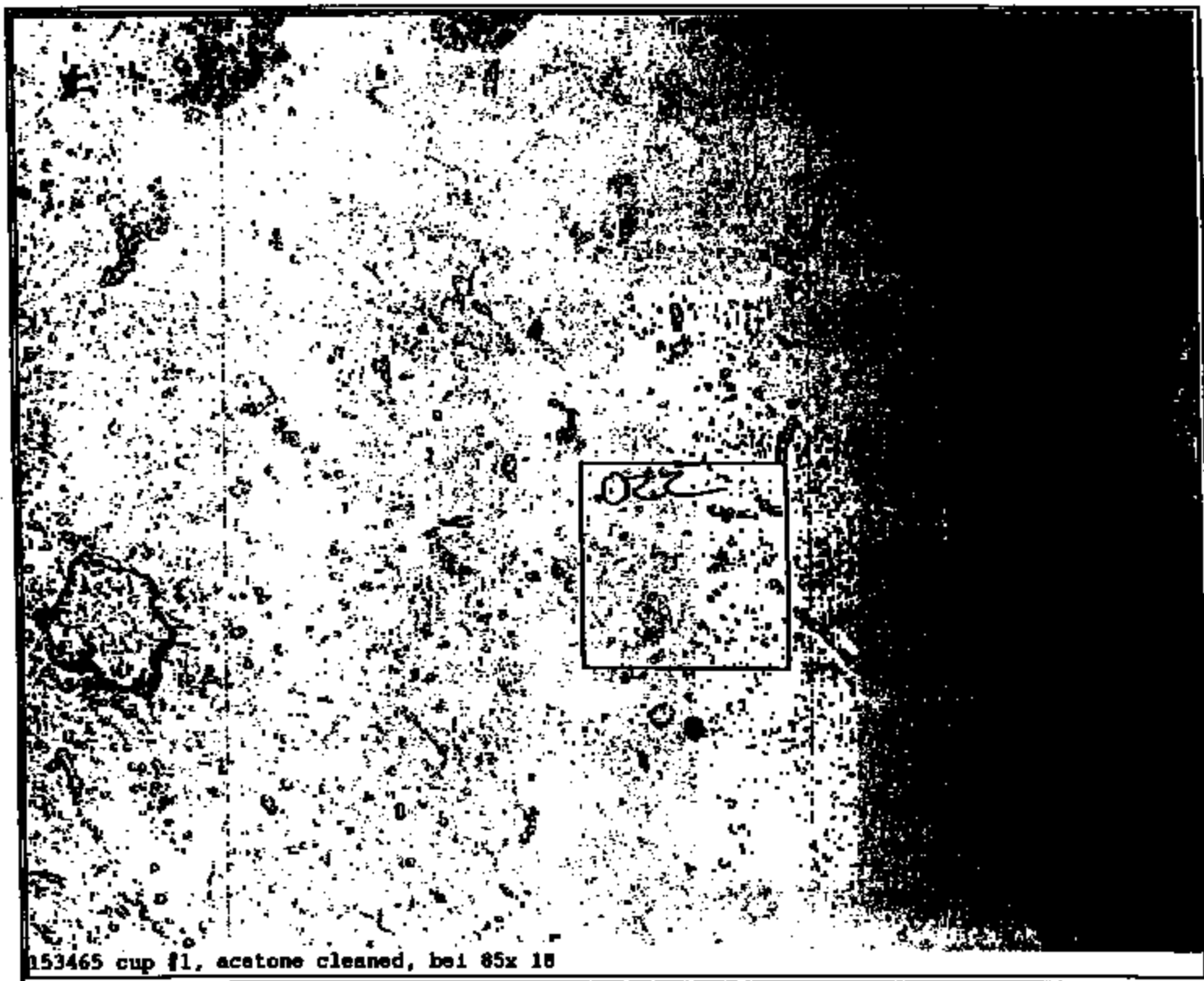
Acquisition completed.

✓ nulligan_153465_021 cup #1

7513 FS



TI-NHTSA 013484



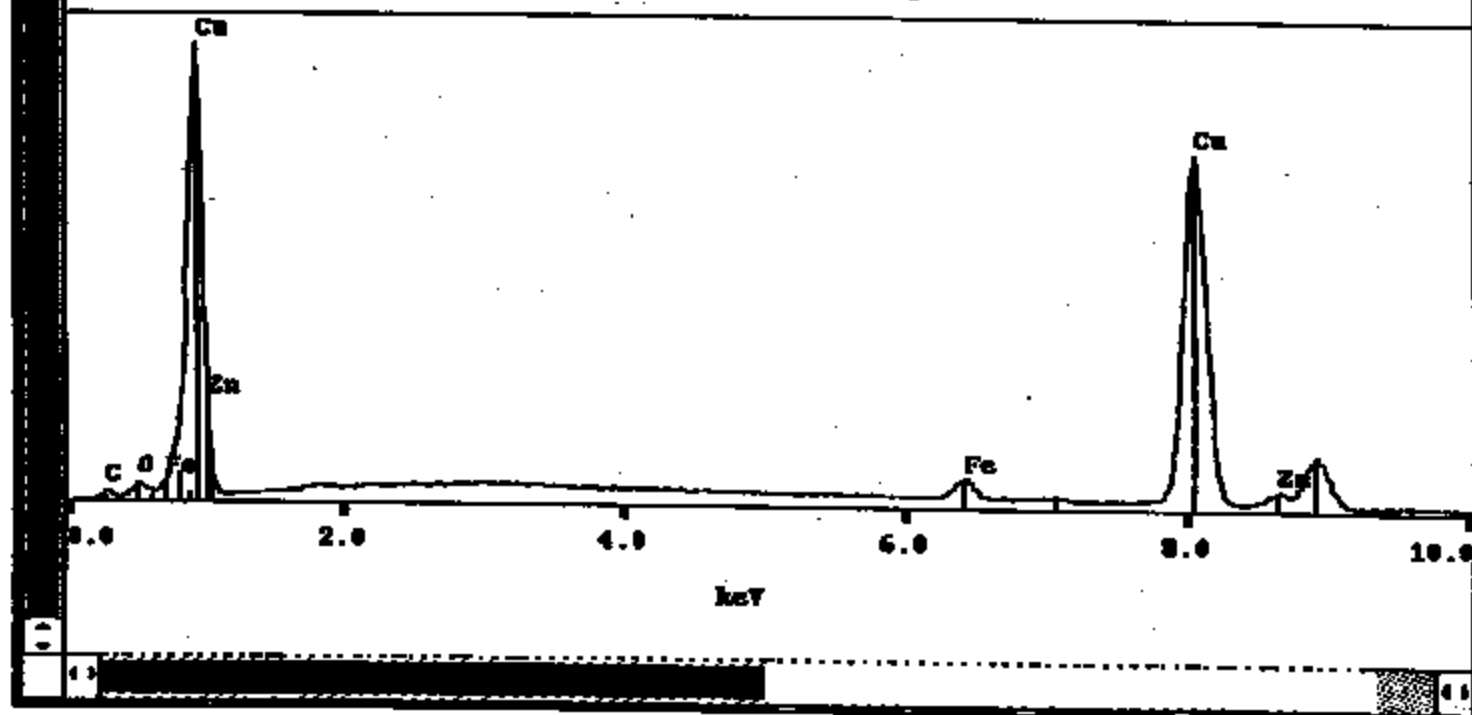
153465 cup #1, acetone cleaned, bei 85x 18

TL-NHTSA 013485

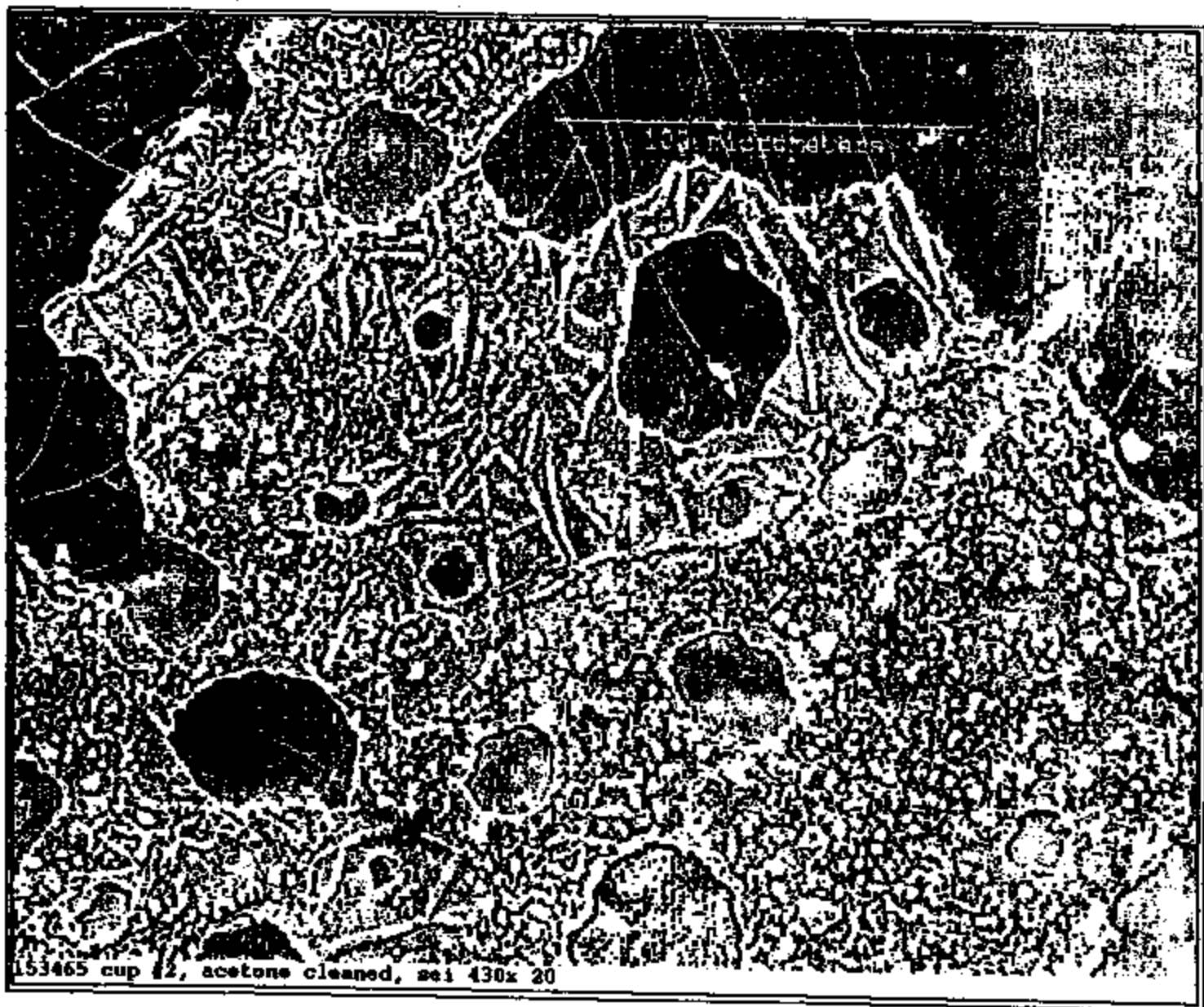
Acquisition completed.

✓ mulligan_153465_022 cup #1

16747 FS



TI-NHTSA 013488

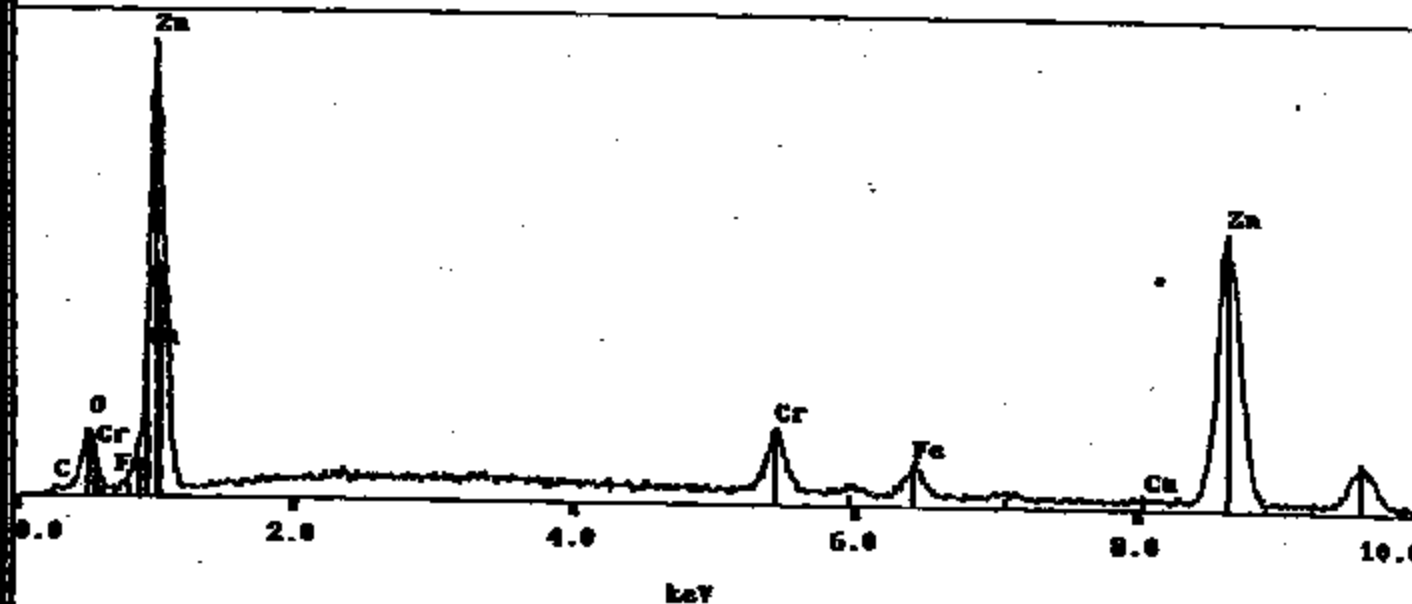


TI-NHTSA 013487

Acquisition completed.

✓ mulligan_153465_026 cup 42

1862 FS



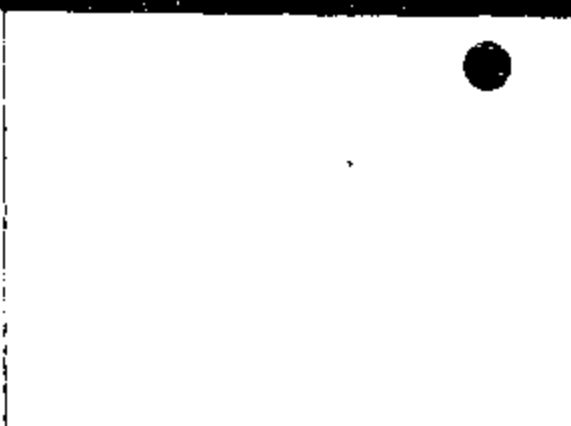
TI-NHTBA 013498



Cu K



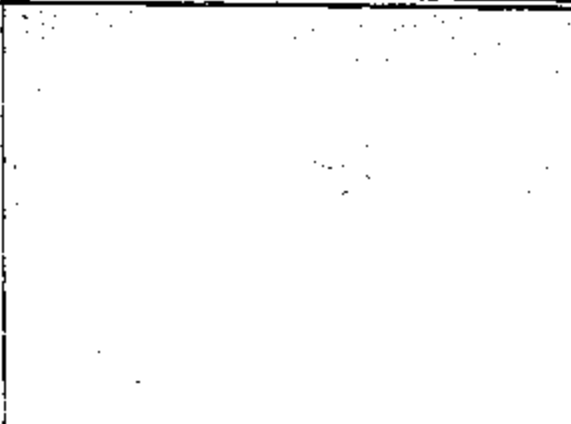
Zn K



Fe K



Cr K



O K



C K



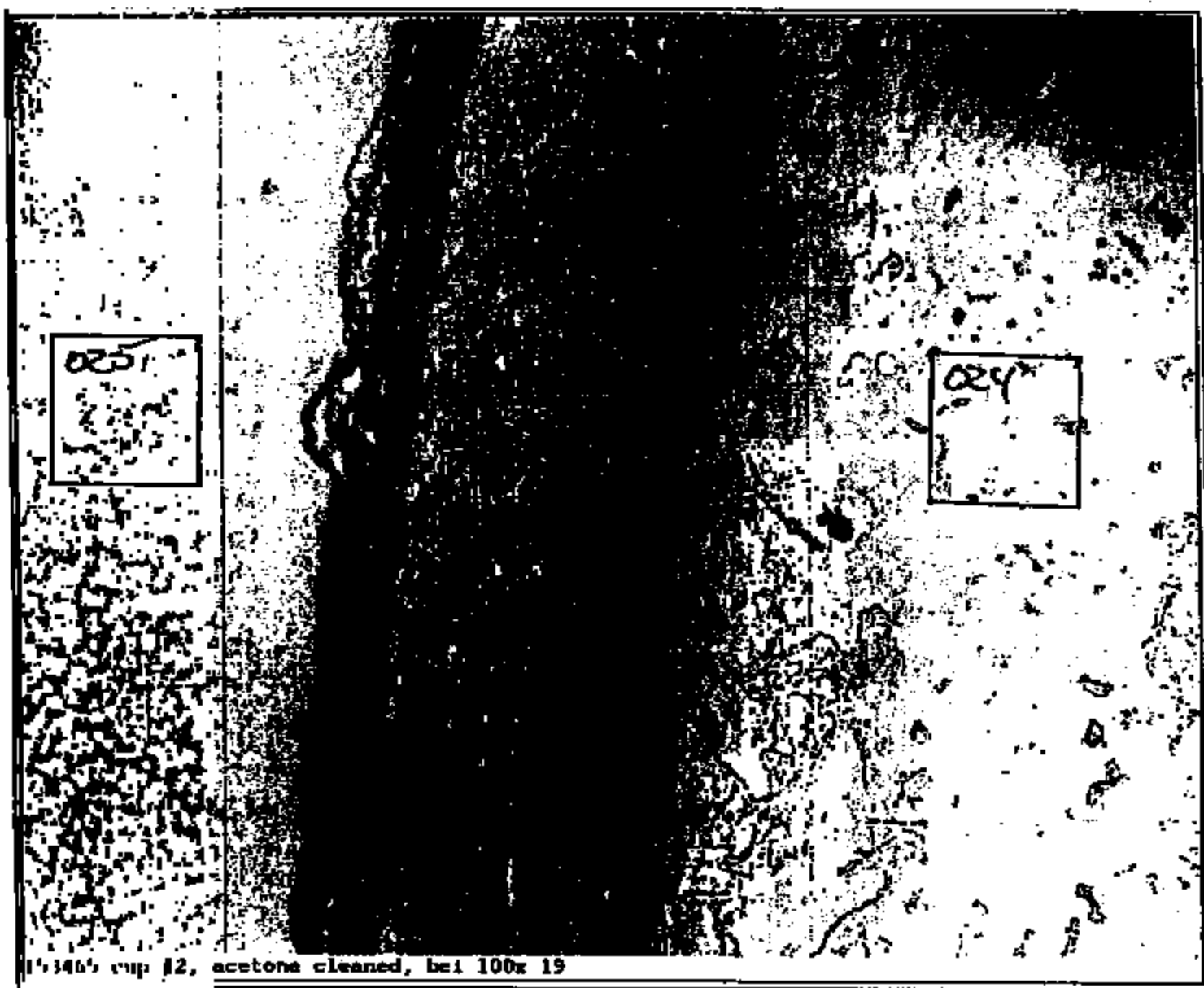
Cl K



S K



153465 CWP #2

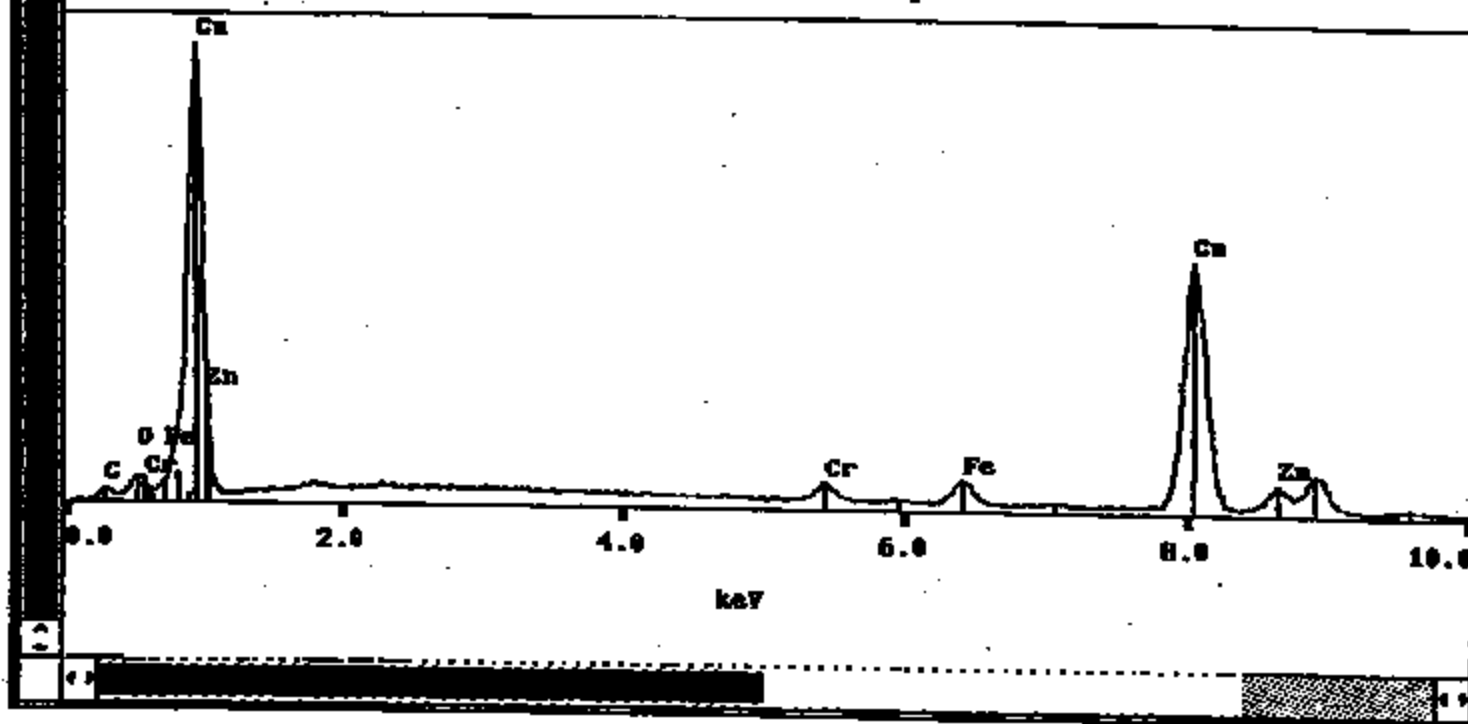


0251 cup 12, acetone cleaned, bei 100x 19

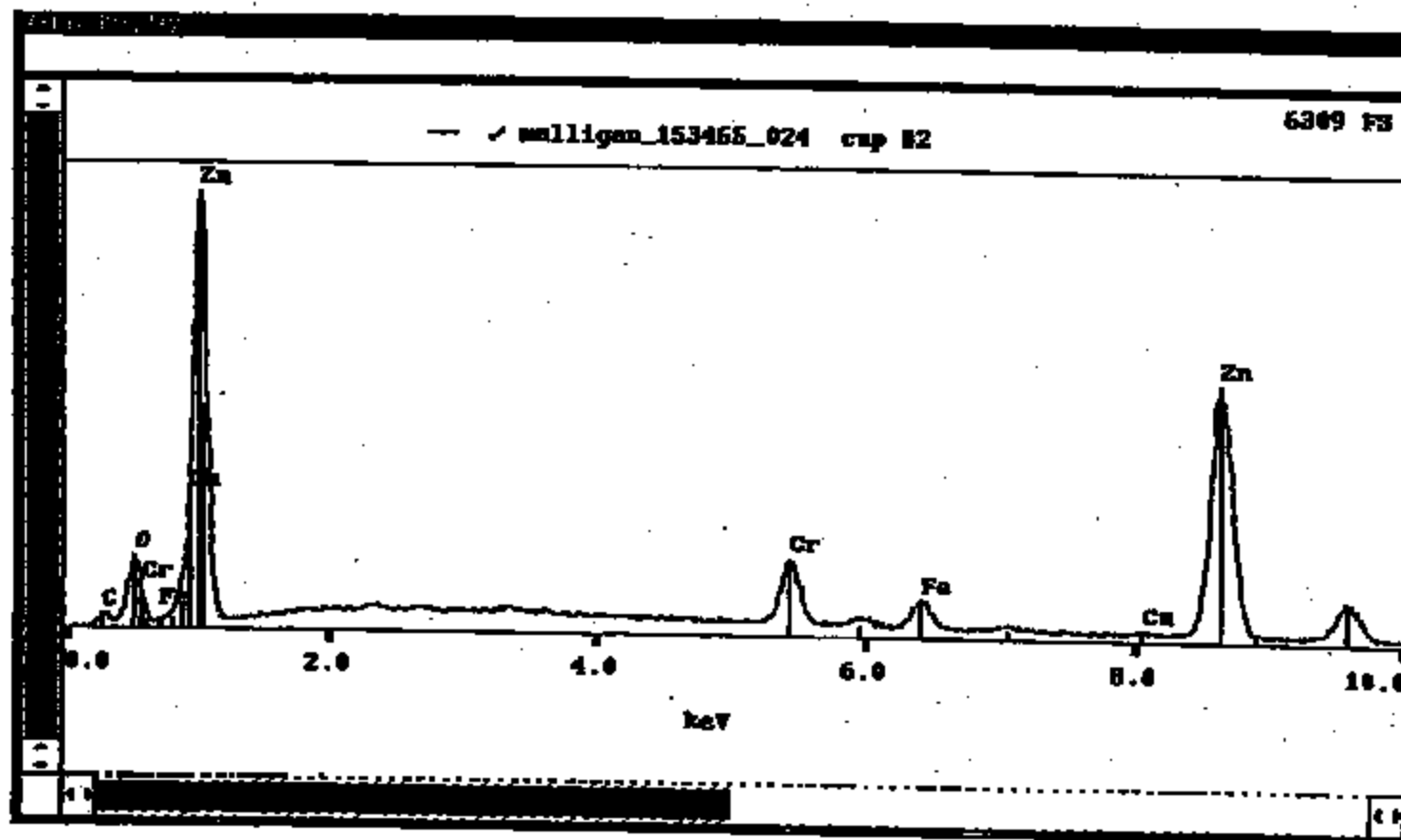
Acquisition completed.

✓ mulligan_153465_023 cap 02

8599 FS



TL-NHTSA 013491

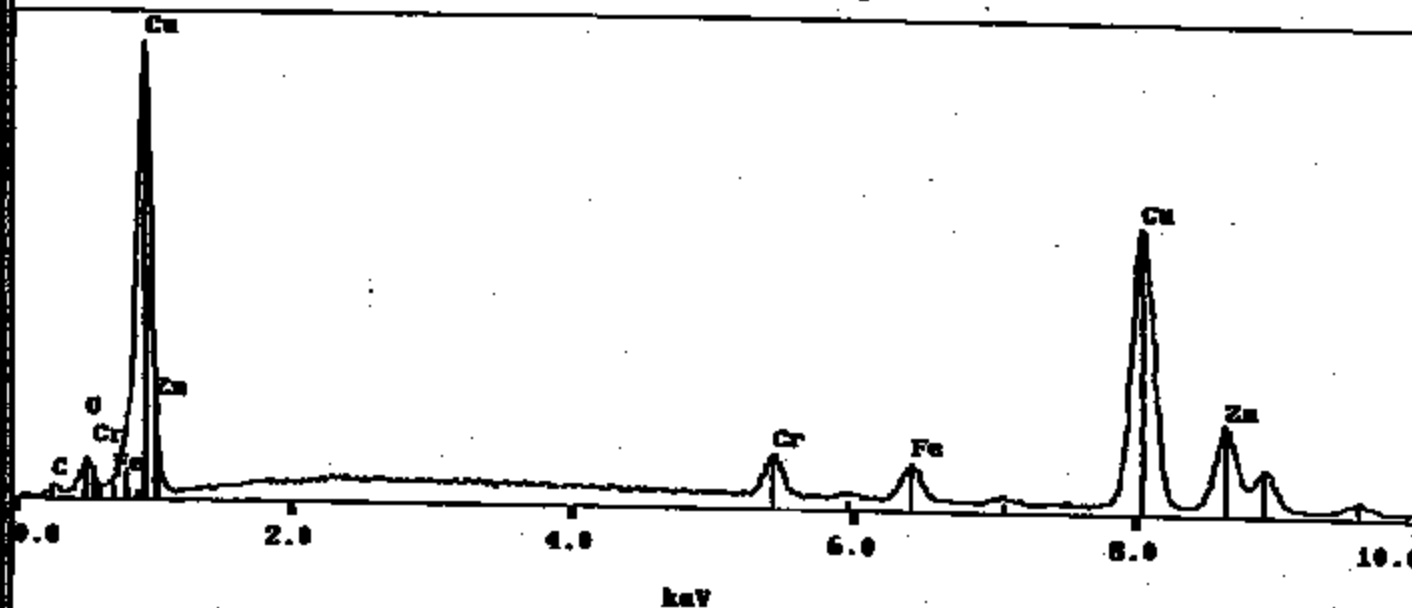


TI-NHTSA 013492

Acquisition completed.

✓ nulligan_153465_025 cup #2

6033 FS



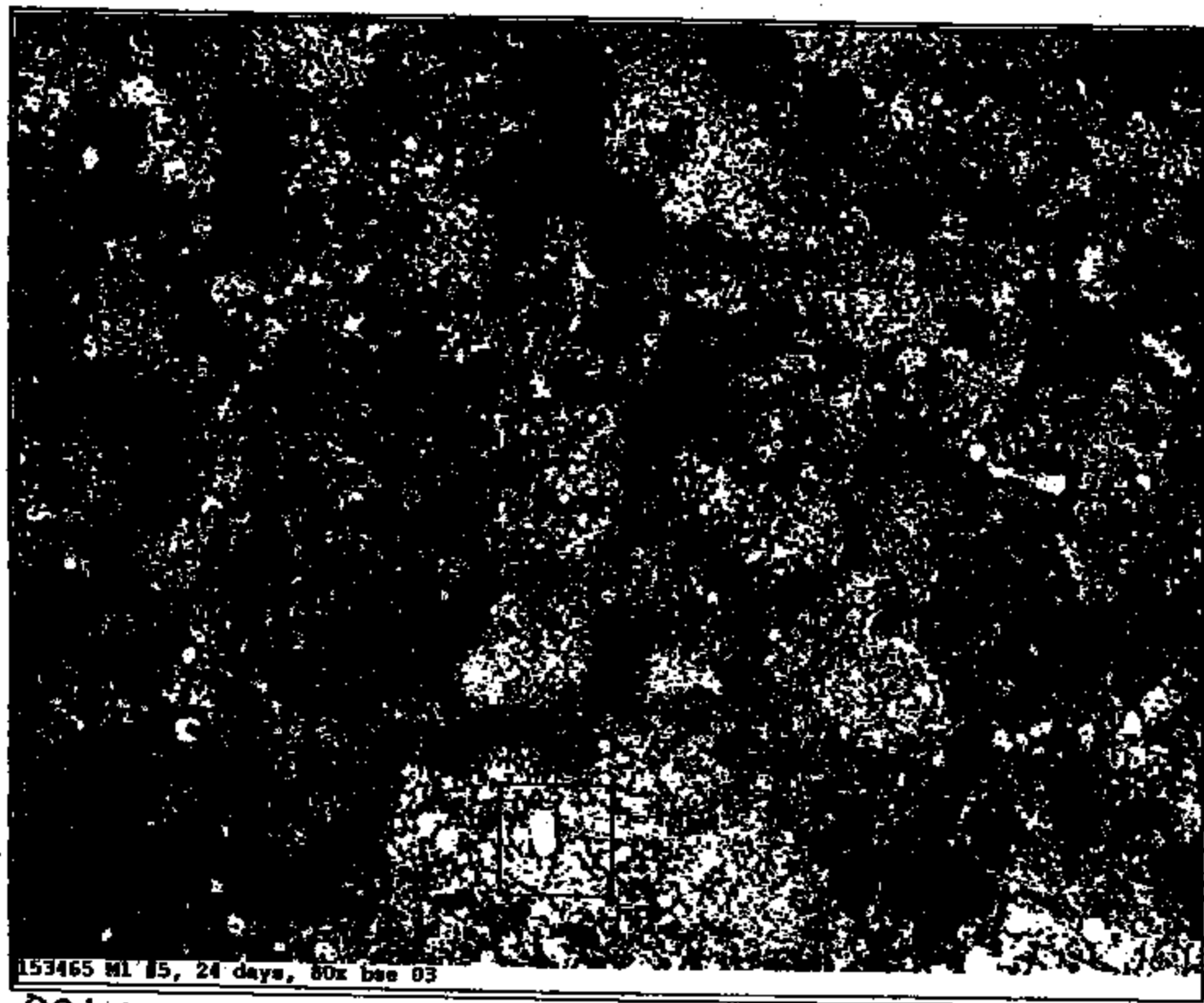
TI-NHTSA 013493



T-NHTSA 013494



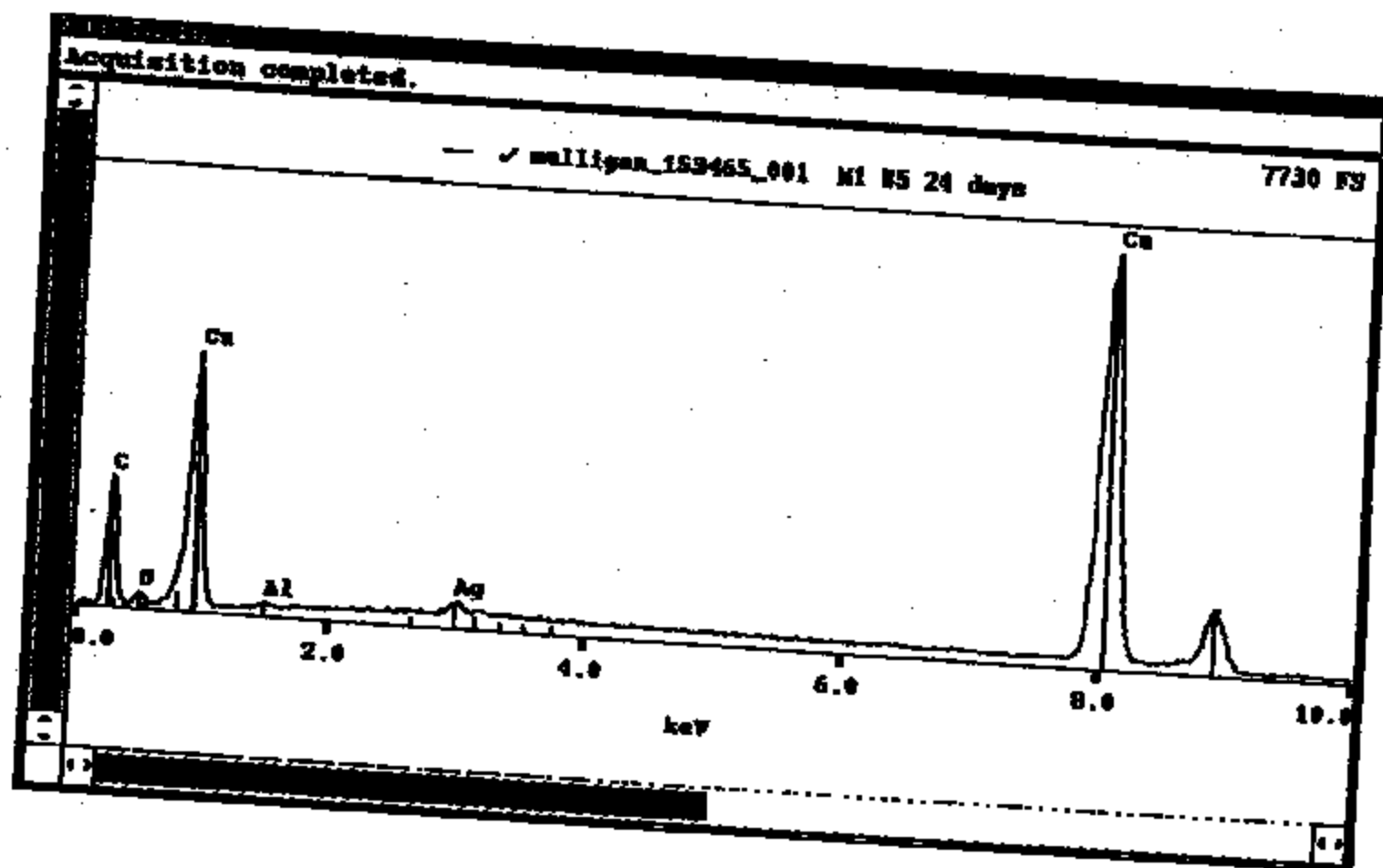
TI-NHTBA 013495

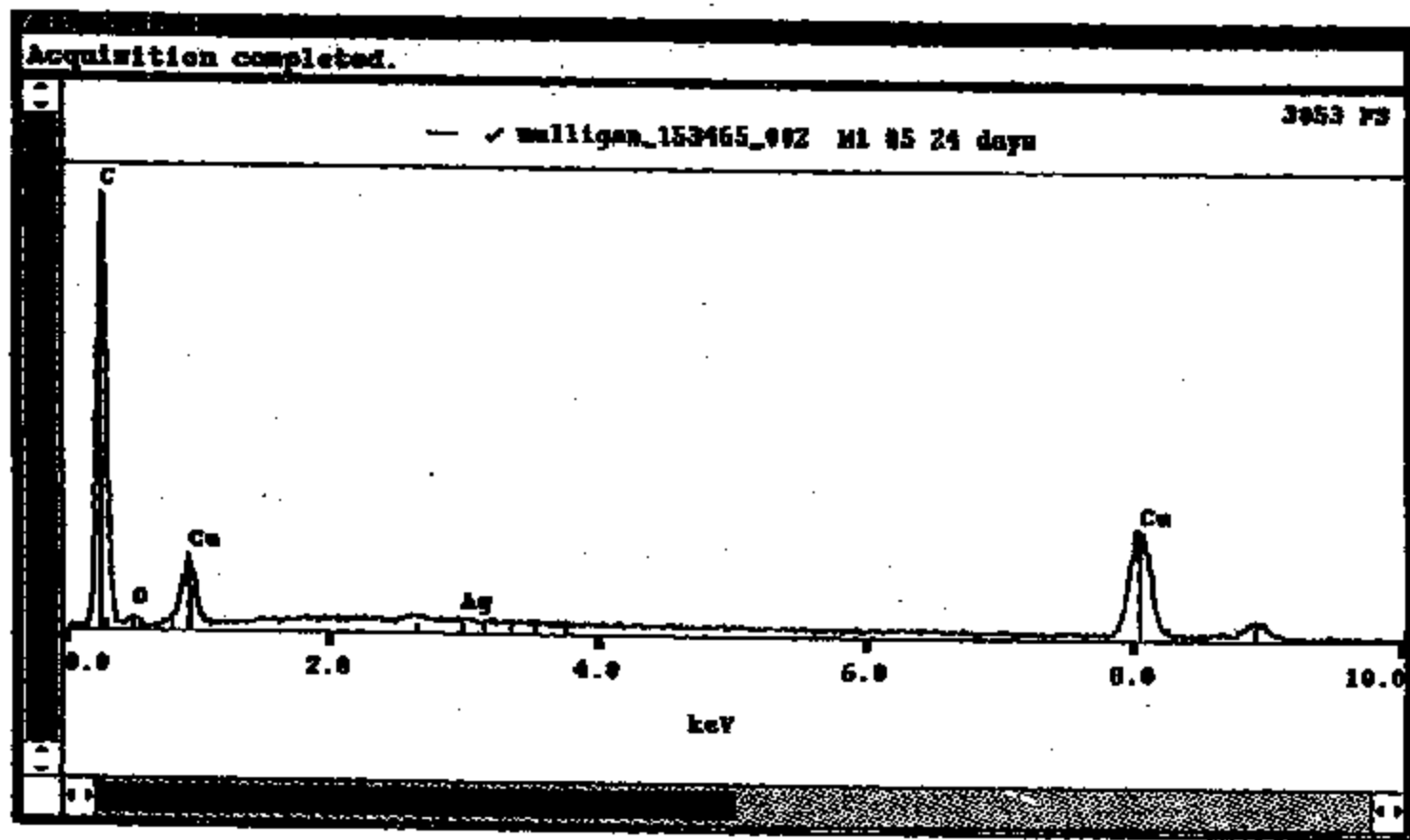


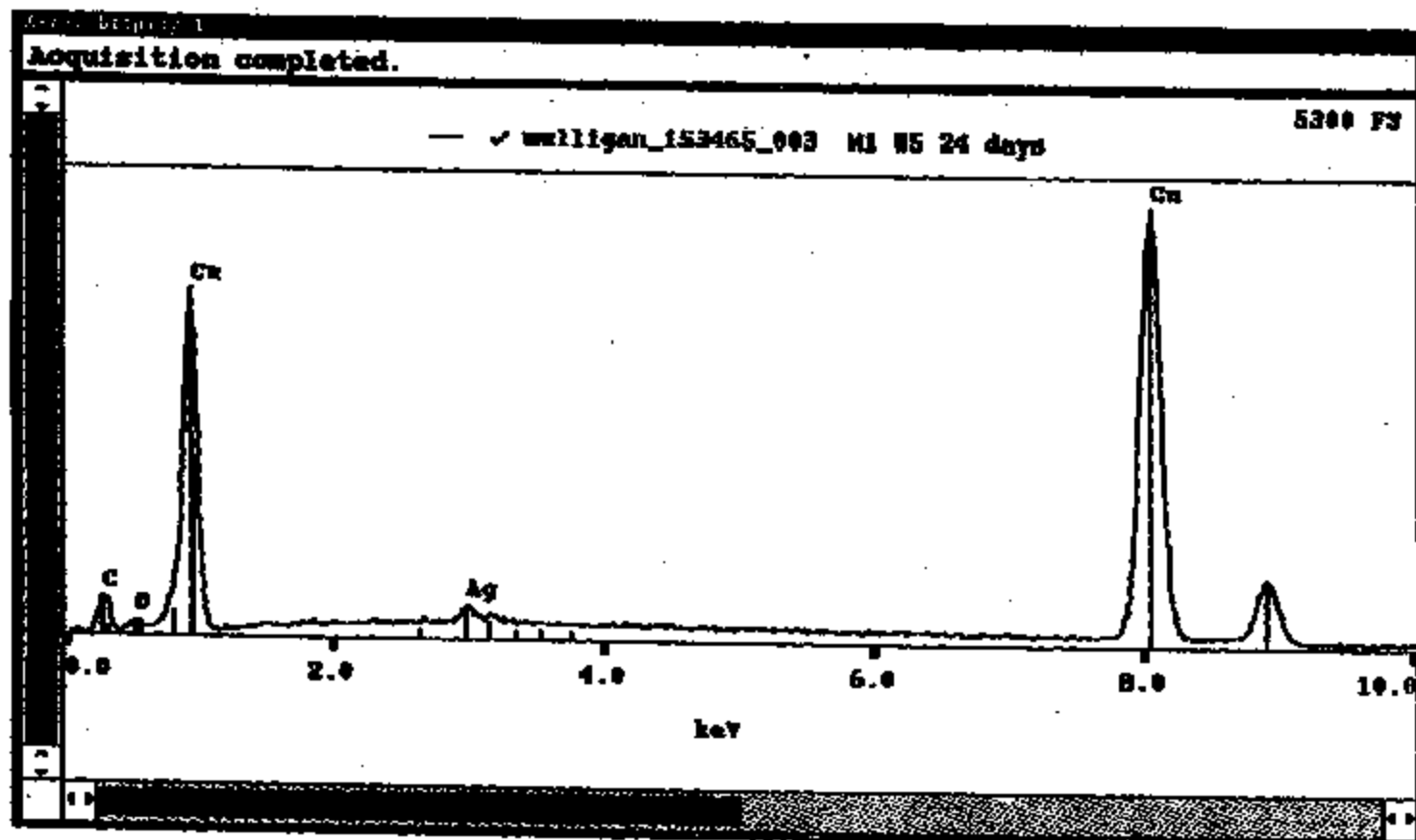
153465 MI 15, 24 days, 80x bae 03

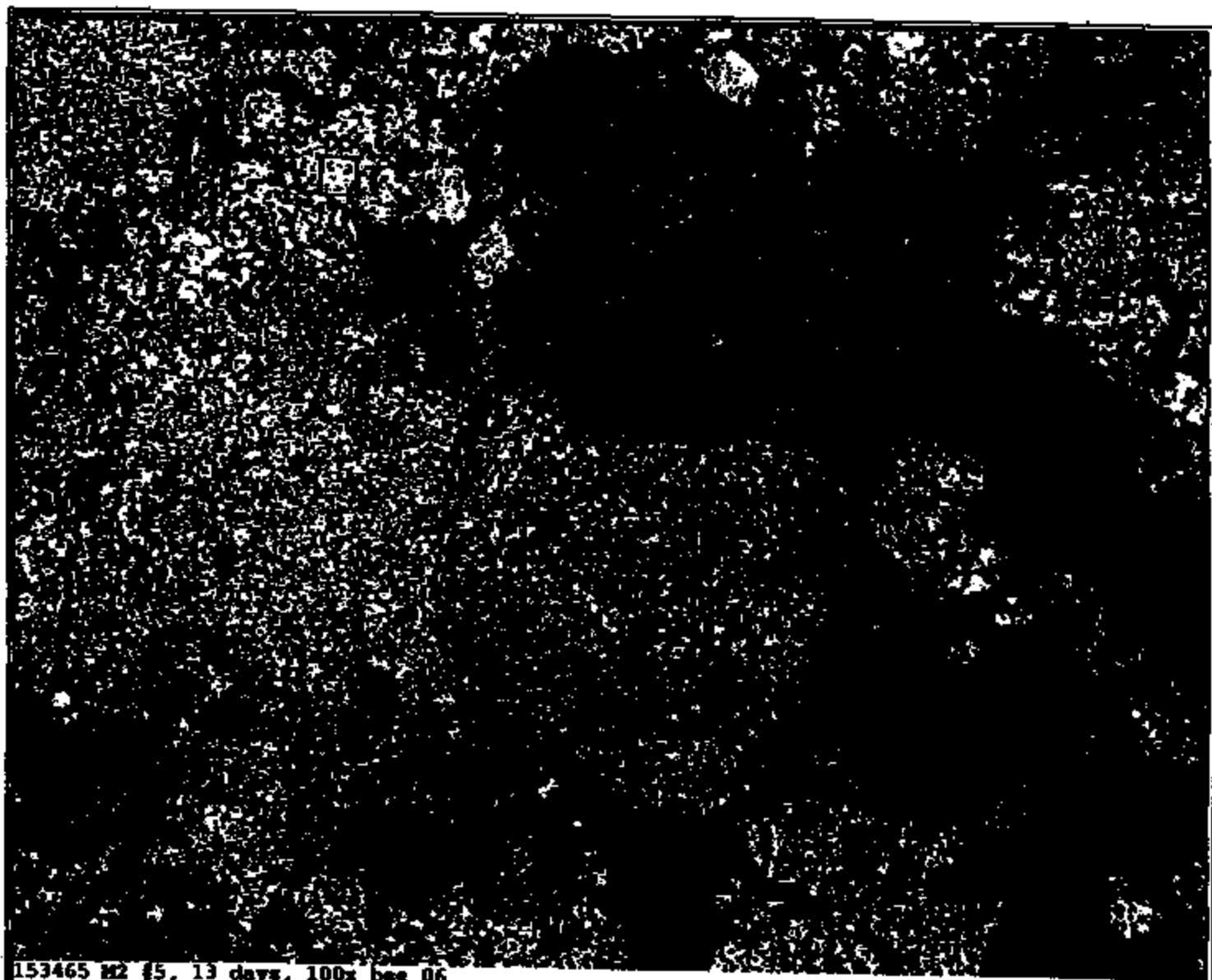
001 OVERALL

002

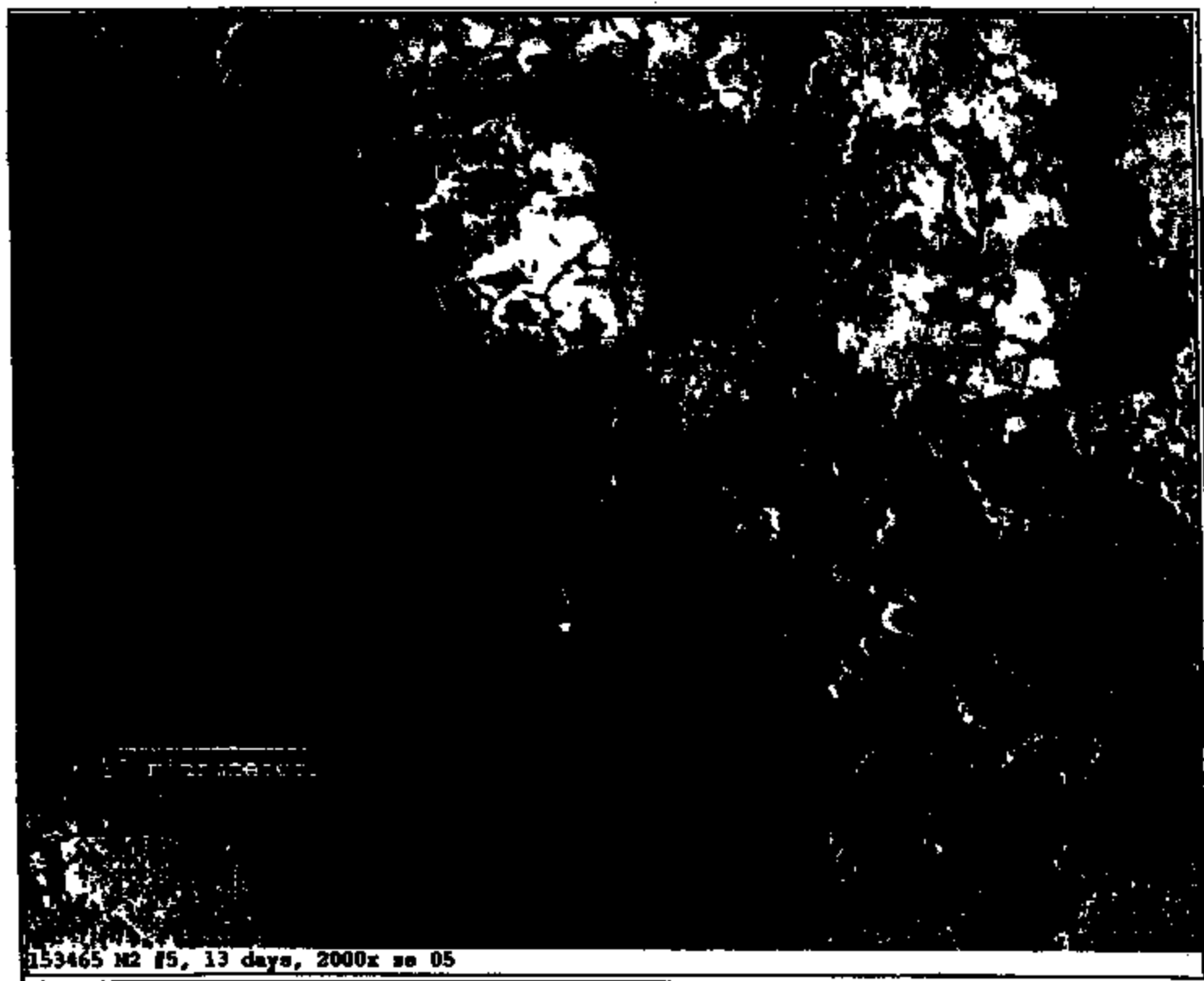








TI-NHTSA 013600



17-11-1965

153465 M2 #5, 13 days, 2000x se 05

TI-NHTSA 013801



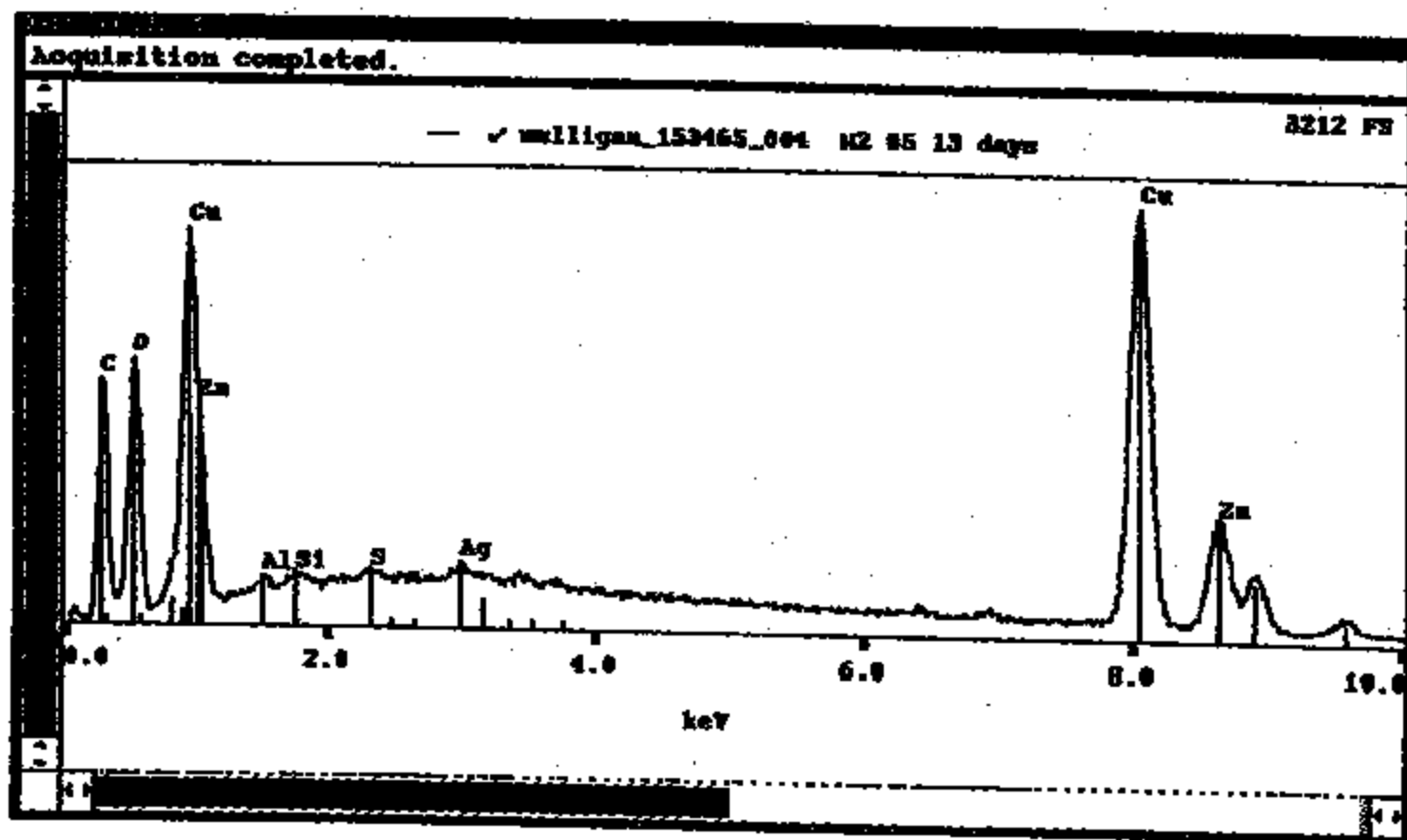
153465 M2 45, 13 days, 80x ss 04

TI-NHITSA 013602

Acquisition completed.

✓ mulligan_153465_004 M2 S5 13 days

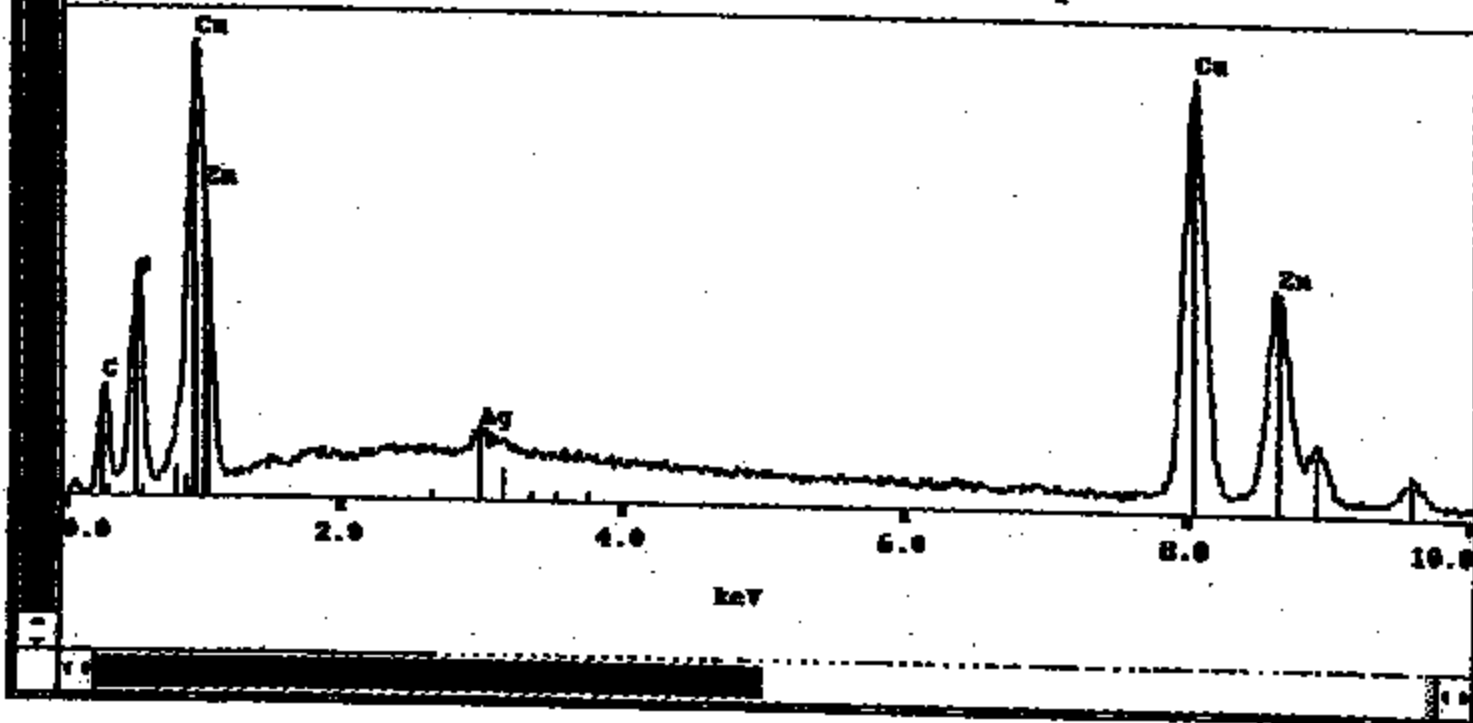
3212 F9



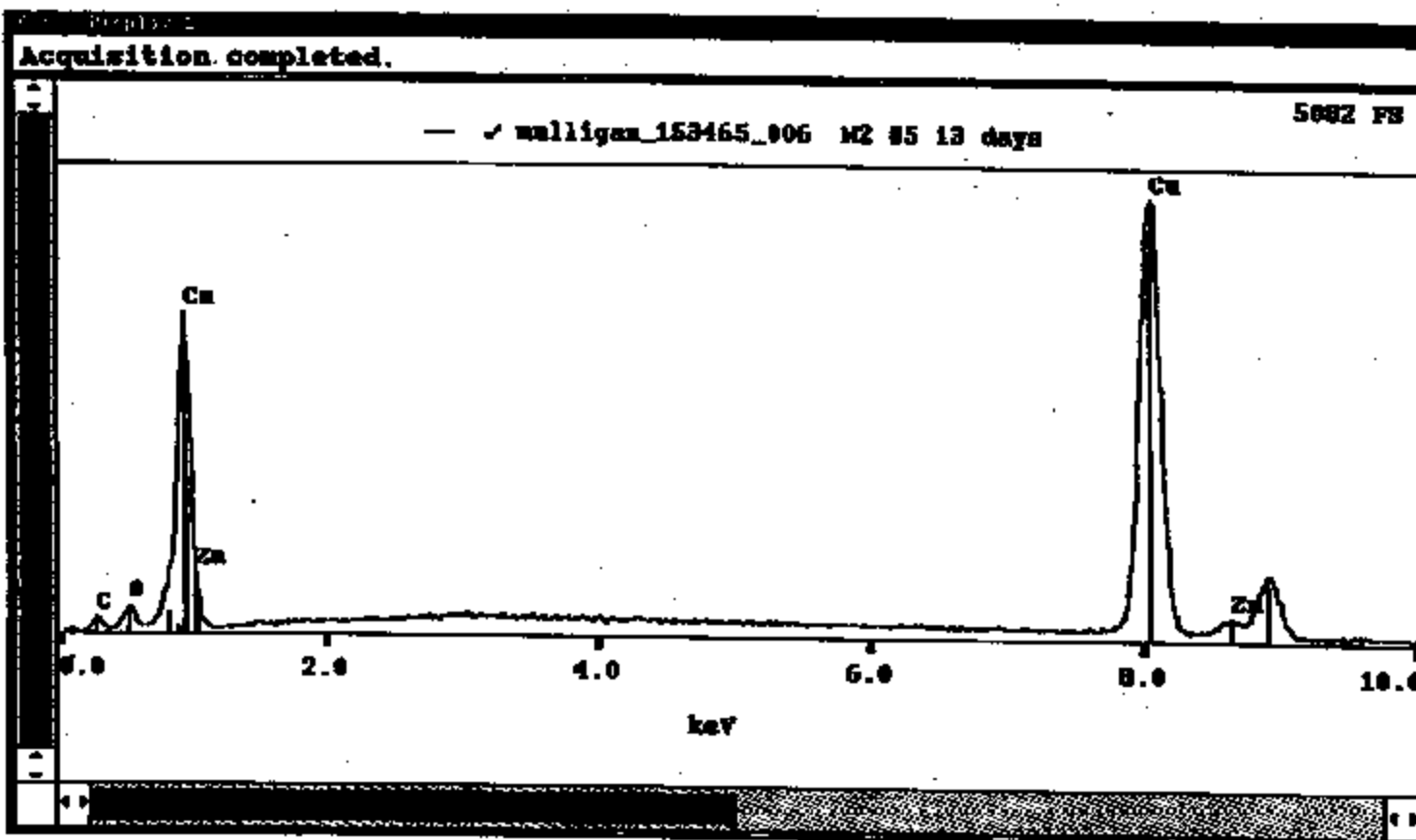
Acquisition completed.

✓ mulligan_153465_005 MZ 05 13 days

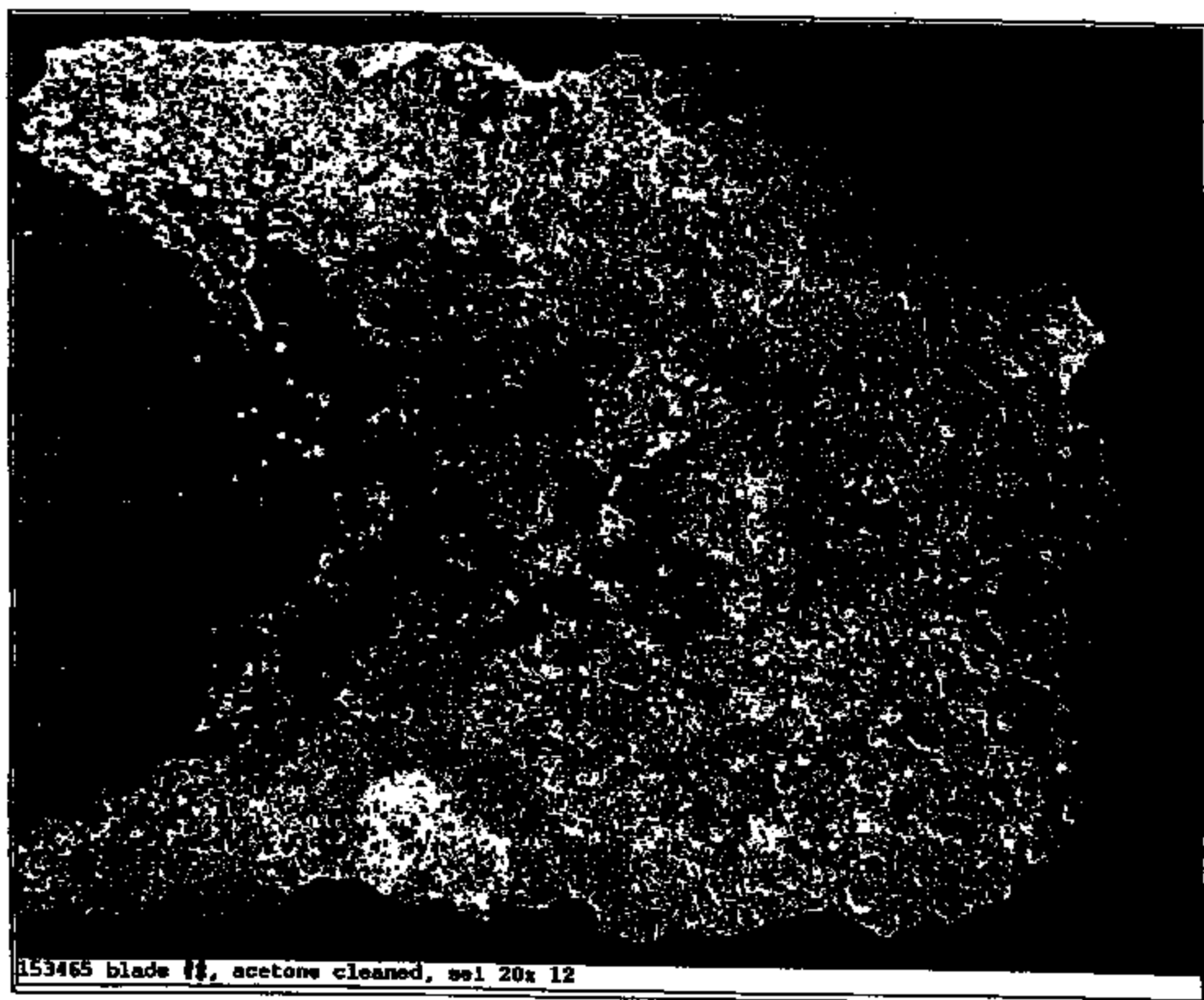
2329 FS



TI-NHTSA 013604

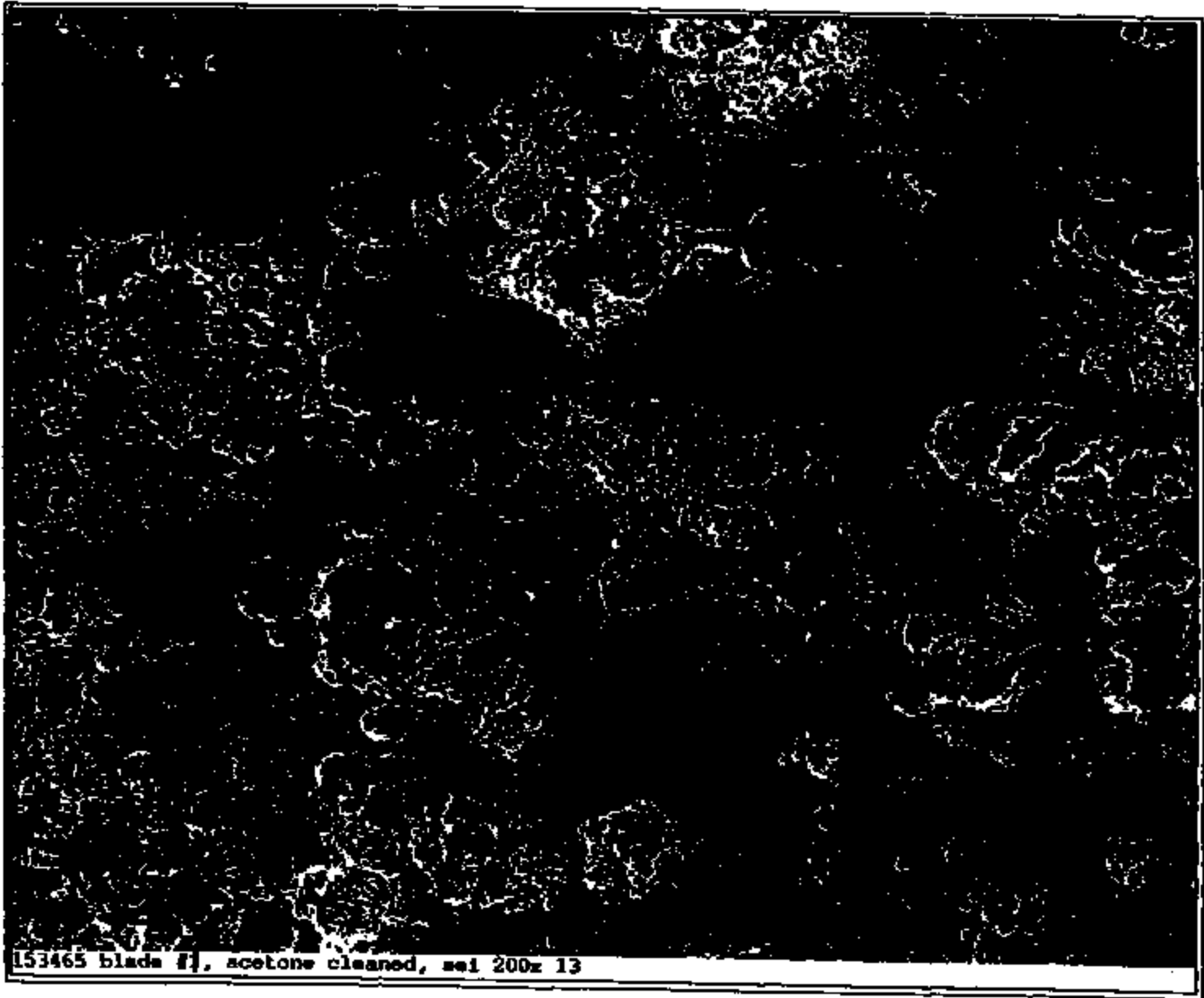


TI-NHTBA 013605



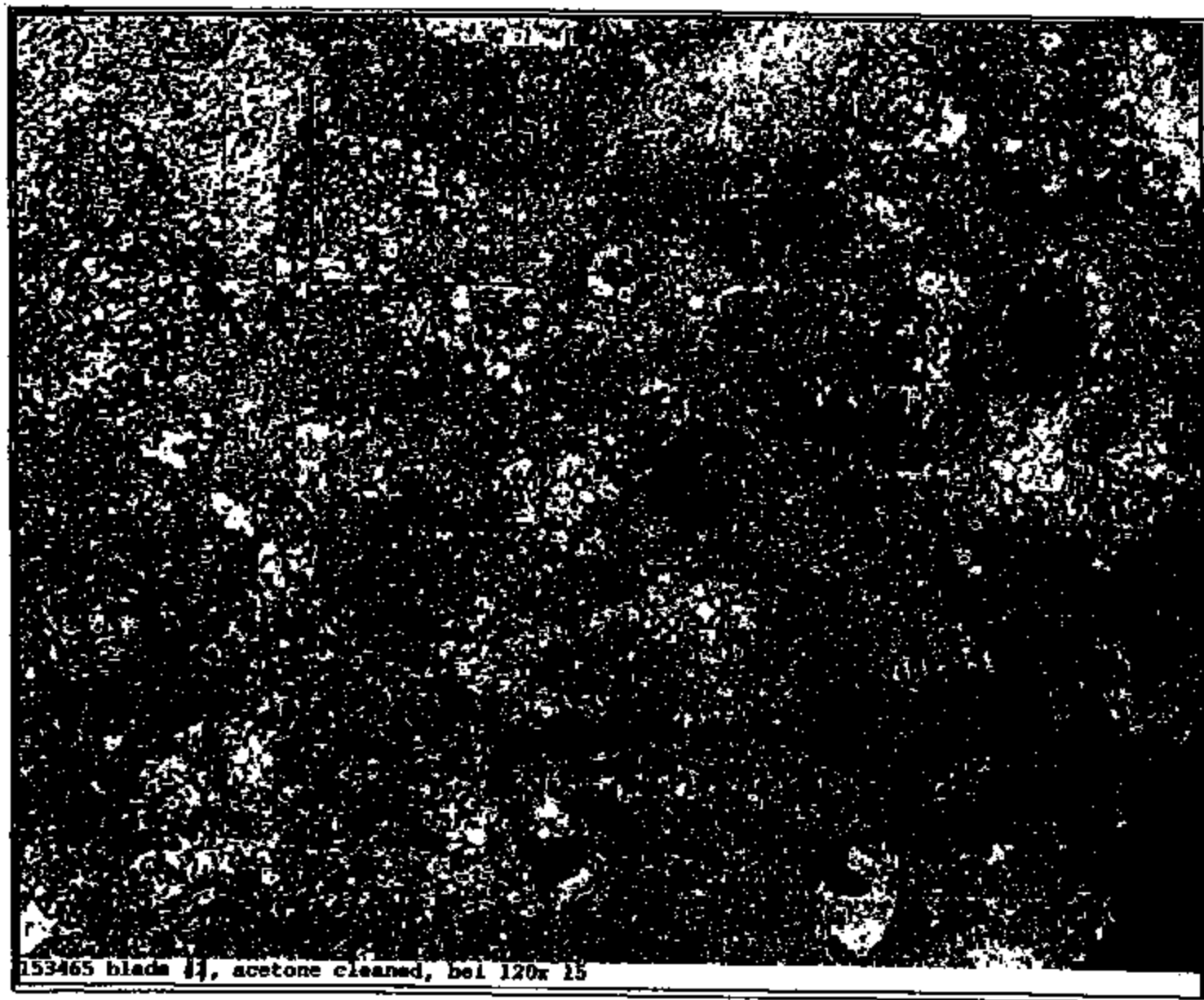
153465 blade tip, acetone cleaned, x20: 12

TI-NHTSA 013606



153465 blade #1, acetone cleaned, sei 200x 13

TI-NHTSA 013607



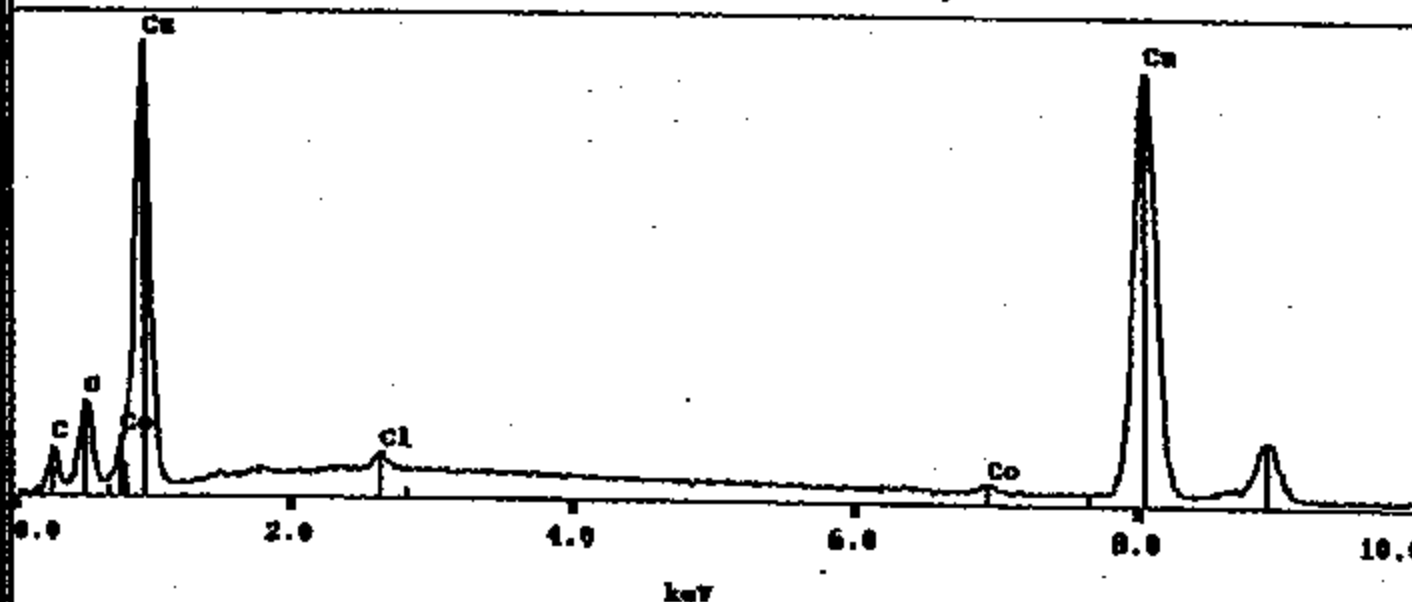
153465 blade [1], acetone cleaned, bei 120x 15

TI-NHTSA 013808

Acquisition completed.

✓ nulligen_153465_016 blade #1

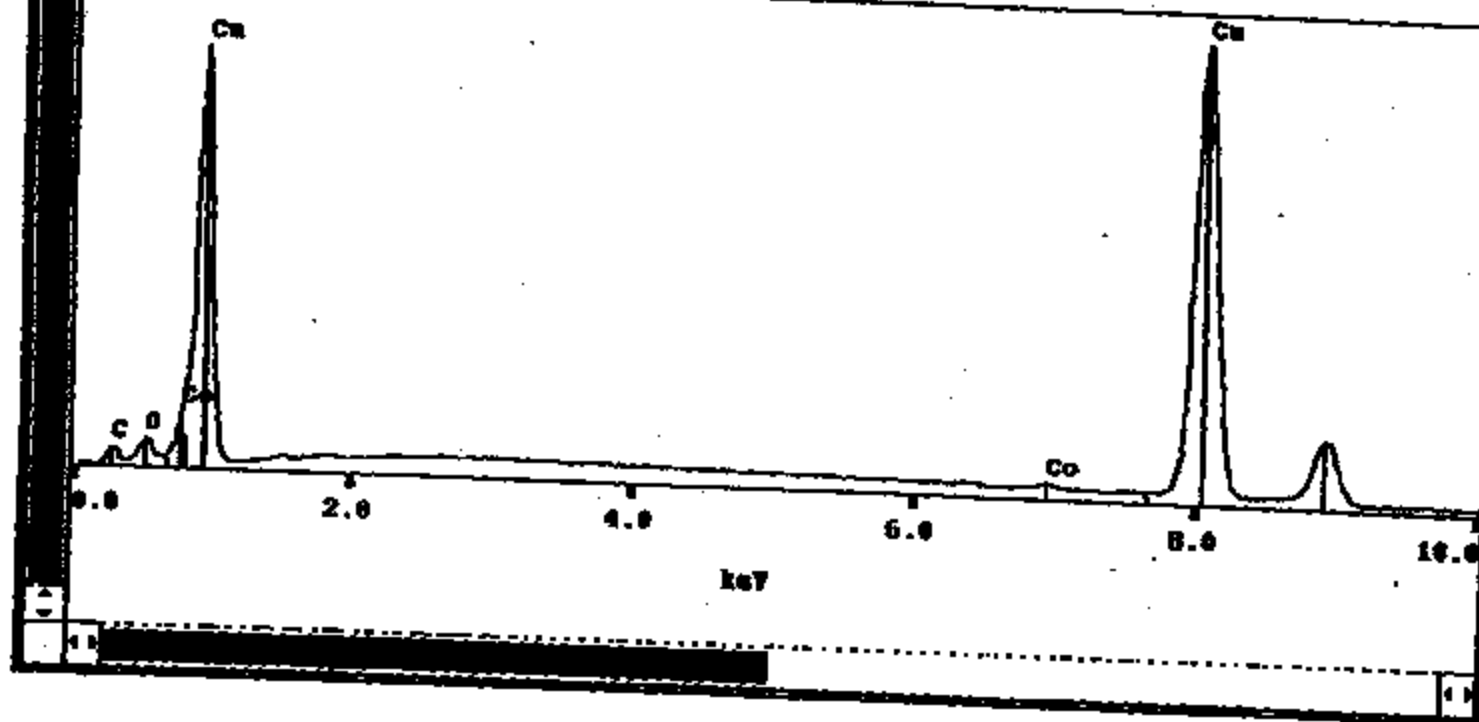
8883 FS



Acquisition completed.

✓ mulligan_153465_017 blade 33]

30267 FS

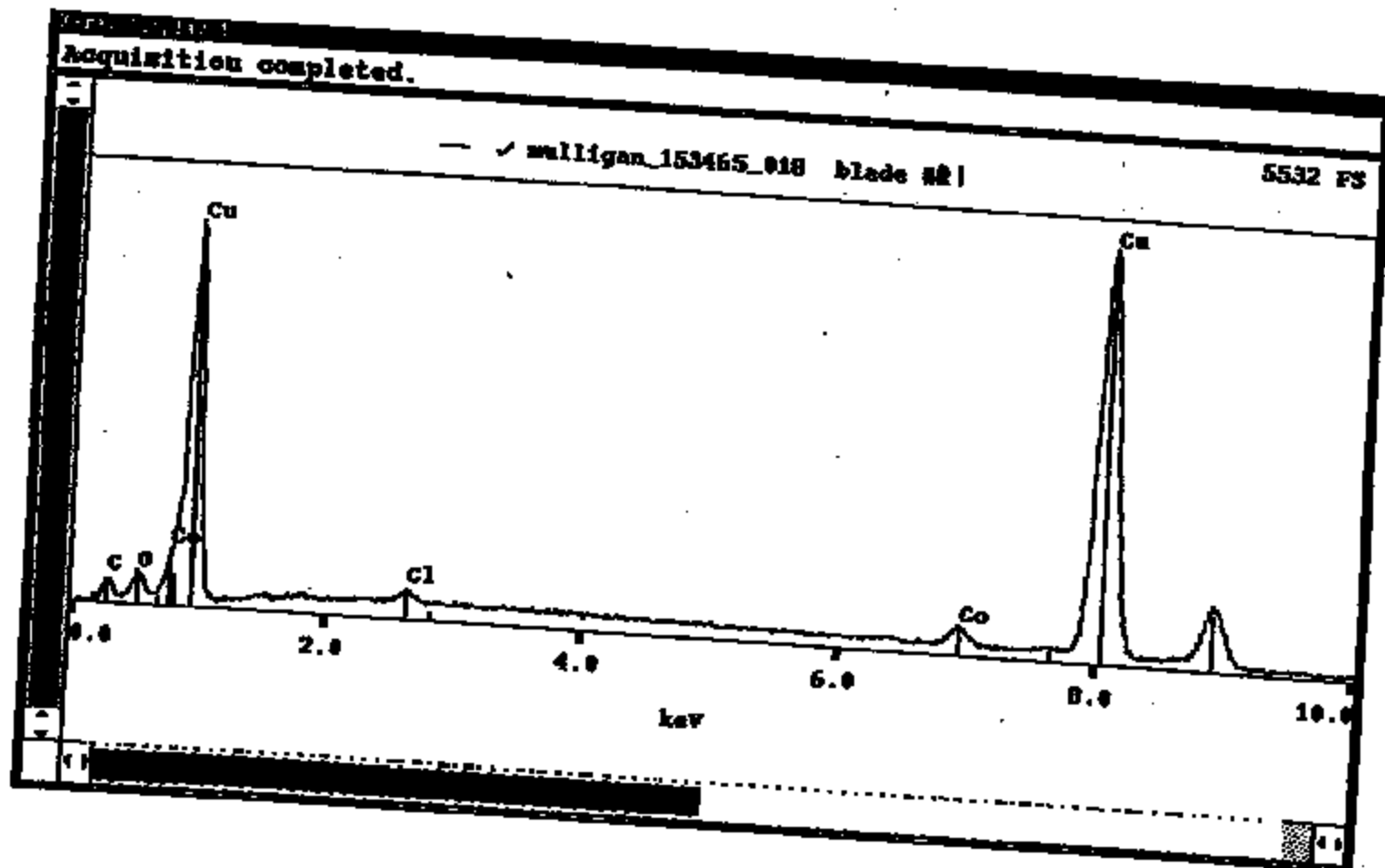


TI-NHTBA 013010

Acquisition completed.

✓ mulligan_153465_018 blade #21

5532 FS

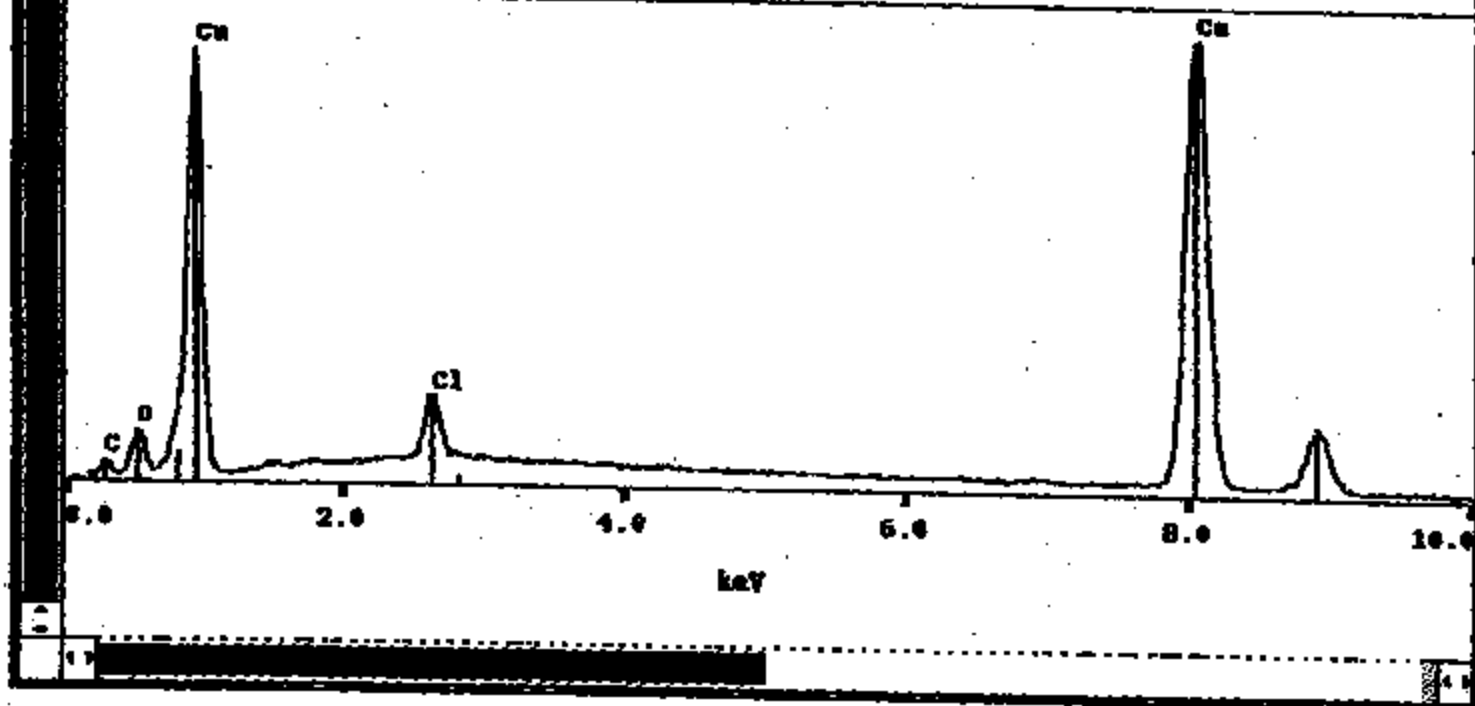


TI-NHTSA 013811

Acquisition completed.

✓ mulligan_153465_019 blade 011

9135 FS



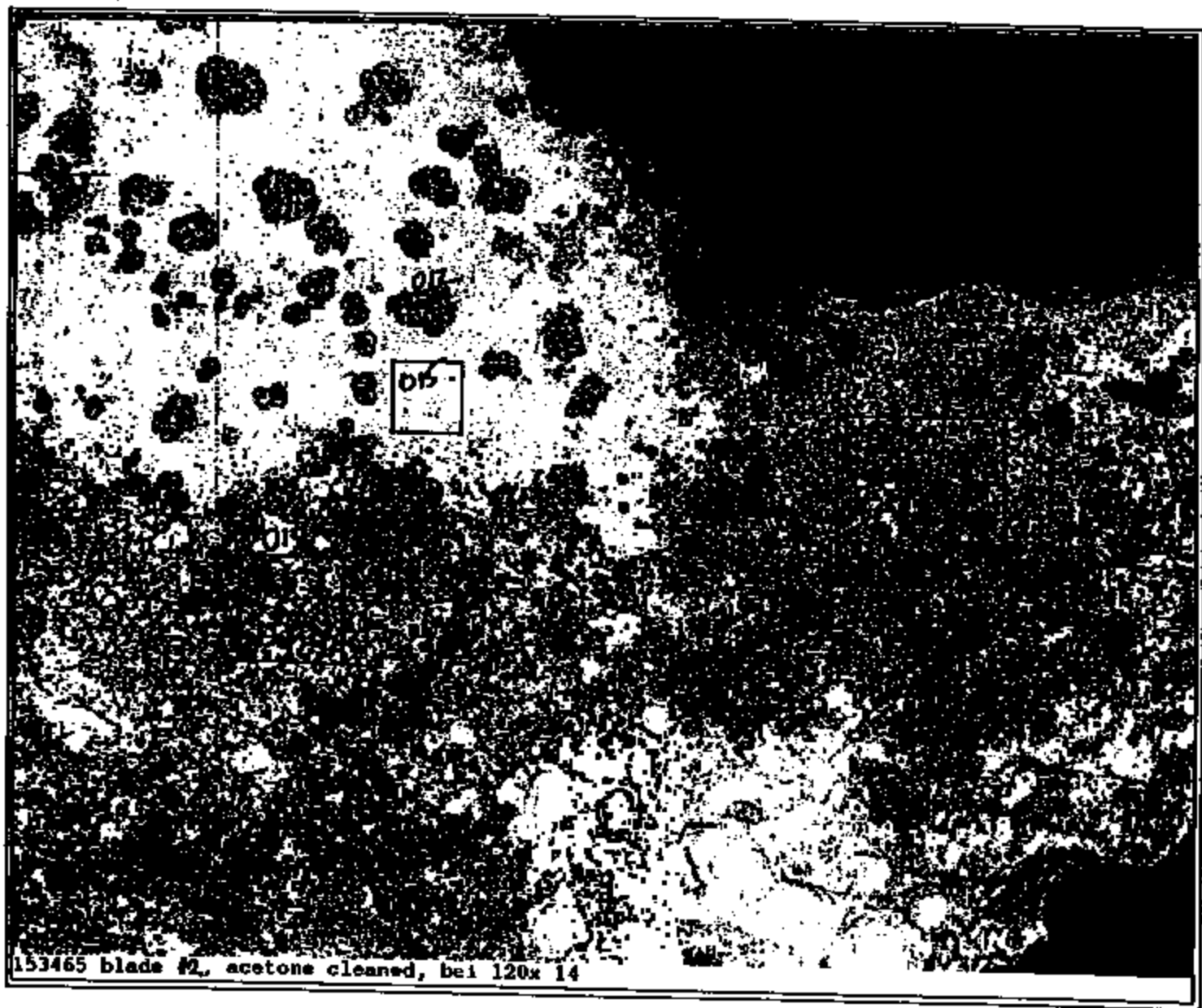


153465 blade tip, acetone cleaned, wsi 18x 10

TI-NHTSA 013613



TI-NHTSA 013514



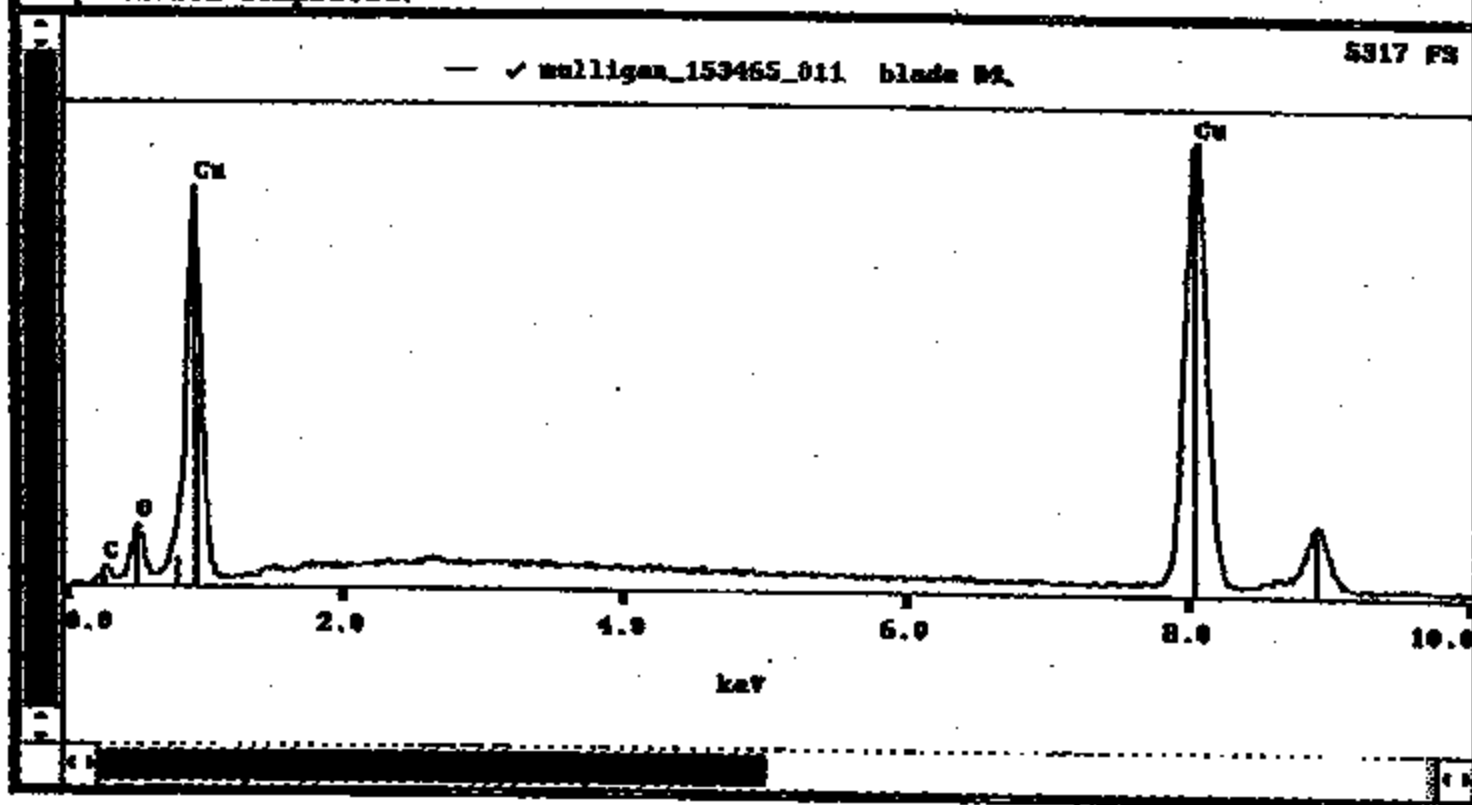
153465 blade #2, acetone cleaned, bei 120x 14

TI-NHTSA 013516

Acquisition completed.

— ✓ mulligan_153465_011 blade BM

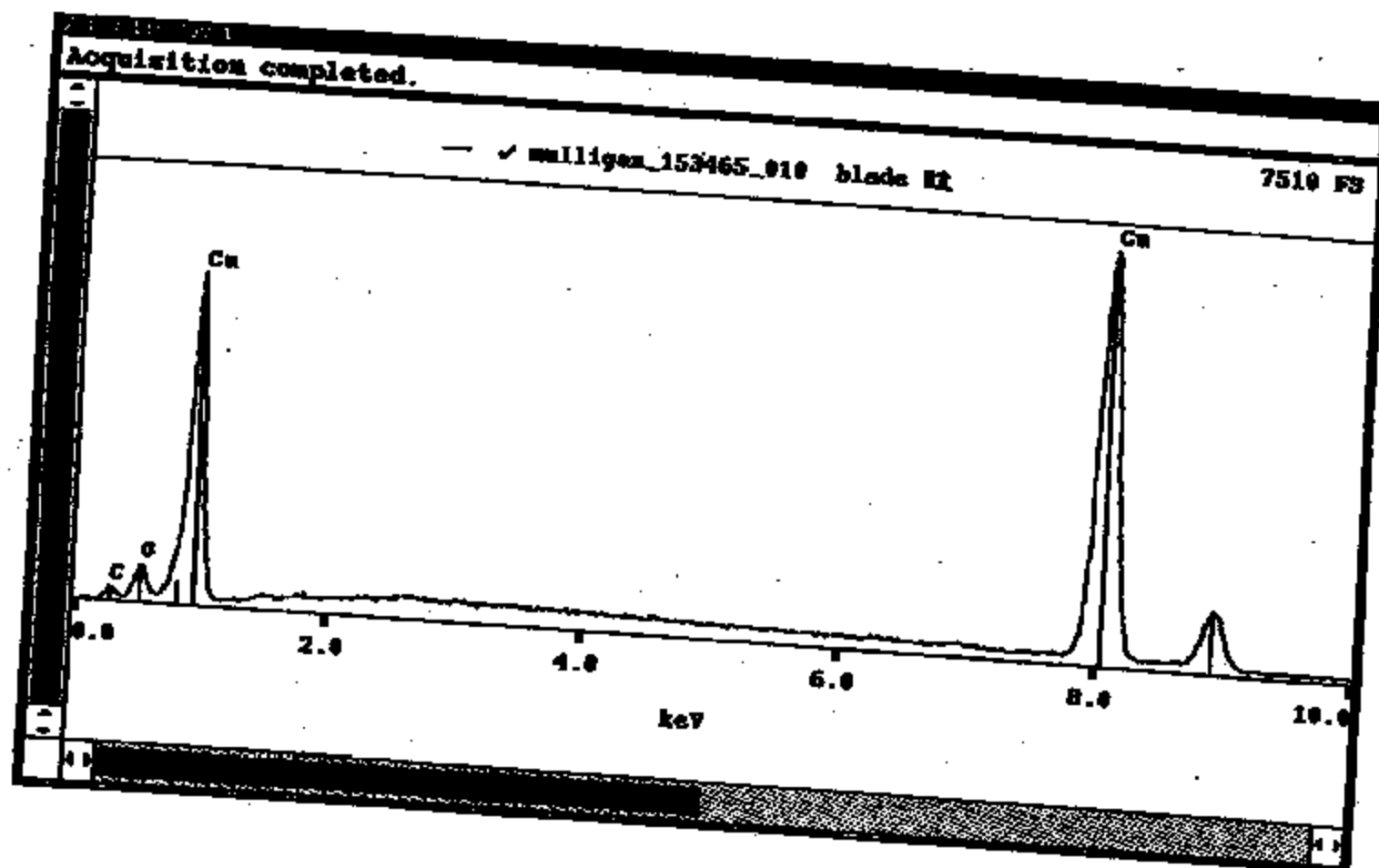
5317 FS



Acquisition completed.

✓ nulligen_153465_010 blade H2

7510 FS

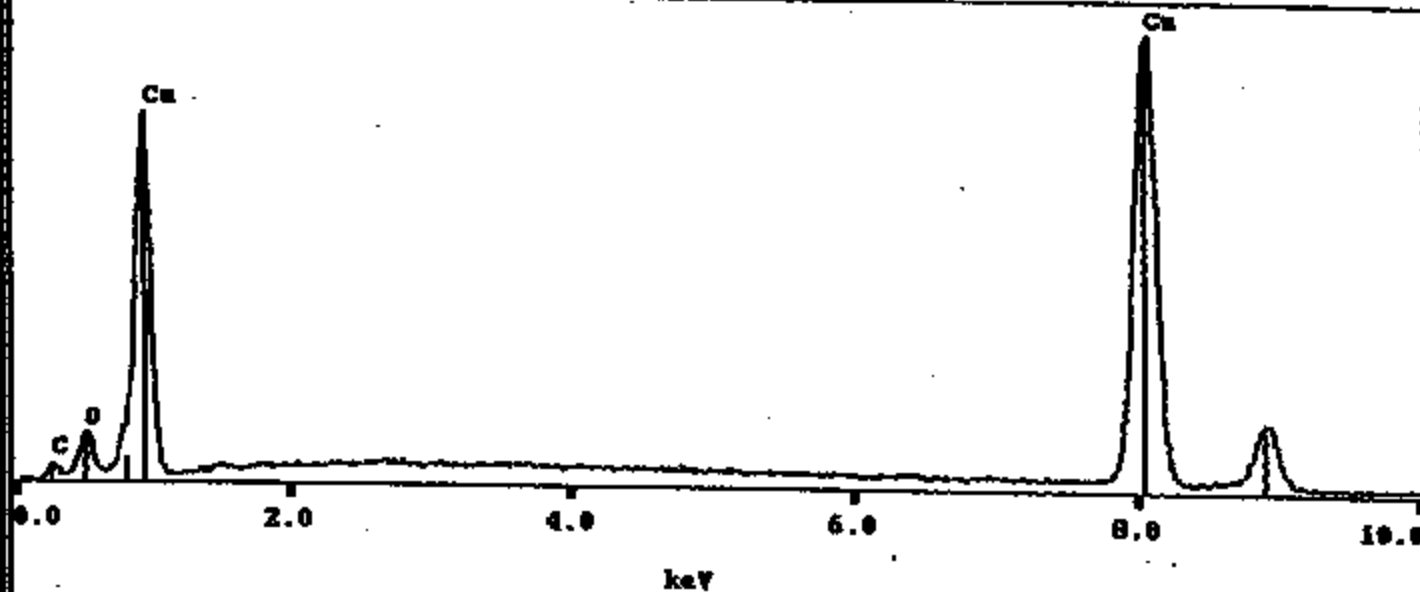


TI-NHTSA 013017

Acquisition completed.

— ✓ mulligen_153465_012 blade 02

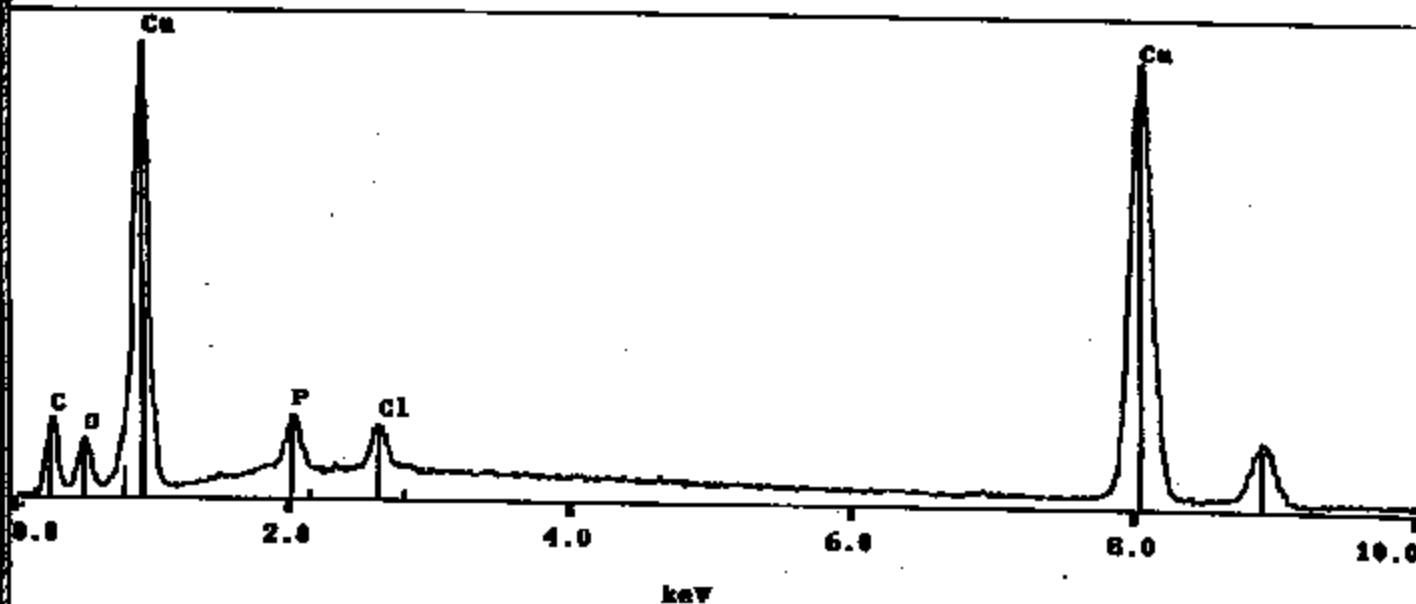
5779 FS



Acquisition completed.

✓ nulligan_153465_013 blade #2

6364 FS

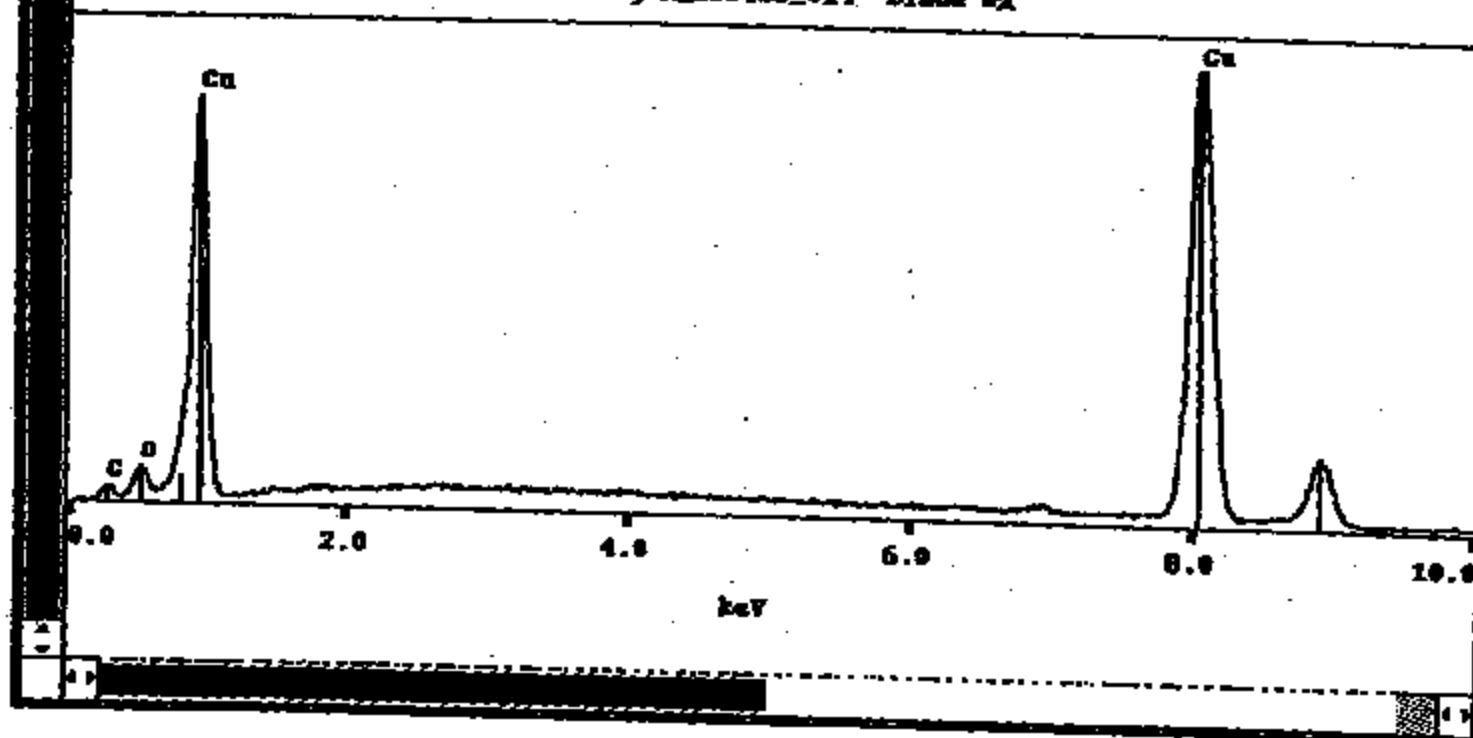


TI-NHT8A 013619

Acquisition completed.

✓ mulligan_153465_014 blade #2

5646 FS



Acquisition completed.

✓ nulligan_153465_015 blade B1

5551 FS

