

Sample : 3616-1
Operator:
Comment : Comment
Group : Janoshik
Date : 2024-10-24 14:28:25

Sample : 3616-1
Operator:
Comment : Comment
Group : Janoshik
Date : 2024-10-24 14:28:25

Measurement Condition

Instrument: EDX-7000		Atmosphere: He		Collimator: 3(mm)		Sample Cup:Mylar	
Analyte	TG kV	uA	FI	Acq. (keV)	Anal. (keV)	Time(sec)	DT(%)
Na	Rh 15	999-Auto	----	0 - 20	0.84- 1.24	Live- 100	27
Mg	Rh 15	999-Auto	----	0 - 20	1.05- 1.45	Live- 100	27
Al	Rh 15	999-Auto	----	0 - 20	1.29- 1.69	Live- 100	27
Si	Rh 15	999-Auto	----	0 - 20	1.54- 1.94	Live- 100	27
P	Rh 15	999-Auto	----	0 - 20	1.81- 2.21	Live- 100	27
S	Rh 15	999-Auto	----	0 - 20	2.11- 2.51	Live- 100	27
Cl	Rh 15	999-Auto	----	0 - 20	2.42- 2.82	Live- 100	27
K	Rh 15	999-Auto	----	0 - 20	3.11- 3.51	Live- 100	27
Ca	Rh 15	999-Auto	----	0 - 20	3.49- 3.89	Live- 100	27
Sc	Rh 15	999-Auto	----	0 - 20	3.89- 4.29	Live- 100	27
Ti	Rh 50	95-Auto	----	0 - 40	4.30- 4.70	Live- 100	29
V	Rh 50	95-Auto	----	0 - 40	4.74- 5.14	Live- 100	29
Cr	Rh 50	95-Auto	----	0 - 40	5.22- 5.62	Live- 100	29
Mn	Rh 50	95-Auto	----	0 - 40	5.70- 6.10	Live- 100	29
Fe	Rh 50	95-Auto	----	0 - 40	6.20- 6.60	Live- 100	29
Co	Rh 50	95-Auto	----	0 - 40	6.72- 7.12	Live- 100	29
Ni	Rh 50	95-Auto	----	0 - 40	7.28- 7.68	Live- 100	29
Cu	Rh 50	95-Auto	----	0 - 40	7.84- 8.24	Live- 100	29
Zn	Rh 50	95-Auto	----	0 - 40	8.44- 8.84	Live- 100	29
Ga	Rh 50	95-Auto	----	0 - 40	9.00- 9.50	Live- 100	29
Ge	Rh 50	95-Auto	----	0 - 40	9.64-10.14	Live- 100	29
As	Rh 50	95-Auto	----	0 - 40	11.48-11.98	Live- 100	29
Se	Rh 50	95-Auto	----	0 - 40	10.96-11.46	Live- 100	29
Br	Rh 50	95-Auto	----	0 - 40	11.66-12.16	Live- 100	29
Kr	Rh 50	95-Auto	----	0 - 40	12.40-12.90	Live- 100	29
Rb	Rh 50	95-Auto	----	0 - 40	13.14-13.64	Live- 100	29
Sr	Rh 50	95-Auto	----	0 - 40	13.90-14.40	Live- 100	29
Y	Rh 50	95-Auto	----	0 - 40	14.70-15.20	Live- 100	29
Zr	Rh 50	95-Auto	----	0 - 40	15.50-16.00	Live- 100	29
Nb	Rh 50	95-Auto	----	0 - 40	16.34-16.84	Live- 100	29
Mo	Rh 50	95-Auto	----	0 - 40	17.20-17.70	Live- 100	29
Tc	Rh 50	95-Auto	----	0 - 40	18.08-18.58	Live- 100	29
Ru	Rh 50	95-Auto	----	0 - 40	19.00-19.50	Live- 100	29
Rh	Rh 50	95-Auto	----	0 - 40	19.78-20.58	Live- 100	29
Pd	Rh 50	95-Auto	----	0 - 40	20.72-21.52	Live- 100	29
Ag	Rh 50	95-Auto	----	0 - 40	21.70-22.50	Live- 100	29
Cd	Rh 50	95-Auto	----	0 - 40	22.72-23.52	Live- 100	29
In	Rh 50	95-Auto	----	0 - 40	23.74-24.54	Live- 100	29
Sn	Rh 50	95-Auto	----	0 - 40	24.80-25.60	Live- 100	29
Sb	Rh 50	95-Auto	----	0 - 40	25.88-26.68	Live- 100	29
Te	Rh 50	95-Auto	----	0 - 40	26.98-27.78	Live- 100	29
I	Rh 50	95-Auto	----	0 - 40	28.12-28.92	Live- 100	29
Xe	Rh 50	95-Auto	----	0 - 40	29.26-30.06	Live- 100	29
Cs	Rh 50	95-Auto	----	0 - 40	4.08- 4.48	Live- 100	29
Ba	Rh 50	95-Auto	----	0 - 40	4.26- 4.66	Live- 100	29
La	Rh 50	95-Auto	----	0 - 40	4.46- 4.86	Live- 100	29
Ce	Rh 50	95-Auto	----	0 - 40	4.64- 5.04	Live- 100	29
Pr	Rh 50	95-Auto	----	0 - 40	4.84- 5.24	Live- 100	29
Nd	Rh 50	95-Auto	----	0 - 40	5.04- 5.44	Live- 100	29
Pm	Rh 50	95-Auto	----	0 - 40	5.24- 5.64	Live- 100	29
Sm	Rh 50	95-Auto	----	0 - 40	5.44- 5.84	Live- 100	29
Eu	Rh 50	95-Auto	----	0 - 40	5.64- 6.04	Live- 100	29
Gd	Rh 50	95-Auto	----	0 - 40	5.86- 6.26	Live- 100	29
Tb	Rh 50	95-Auto	----	0 - 40	6.08- 6.48	Live- 100	29
Dy	Rh 50	95-Auto	----	0 - 40	6.30- 6.70	Live- 100	29
Ho	Rh 50	95-Auto	----	0 - 40	6.52- 6.92	Live- 100	29
Er	Rh 50	95-Auto	----	0 - 40	6.74- 7.14	Live- 100	29
Tm	Rh 50	95-Auto	----	0 - 40	6.98- 7.38	Live- 100	29
Yb	Rh 50	95-Auto	----	0 - 40	7.22- 7.62	Live- 100	29
Lu	Rh 50	95-Auto	----	0 - 40	7.46- 7.86	Live- 100	29
Hf	Rh 50	95-Auto	----	0 - 40	7.70- 8.10	Live- 100	29
Ta	Rh 50	95-Auto	----	0 - 40	7.94- 8.34	Live- 100	29
W	Rh 50	95-Auto	----	0 - 40	8.20- 8.60	Live- 100	29

Sample : 3616-1
Operator:
Comment : Comment
Group : Janoshik
Date : 2024-10-24 14:28:25

Re	Rh 50	95-Auto	----	0 - 40	8.46- 8.86	Live- 100	29
Os	Rh 50	95-Auto	----	0 - 40	8.72- 9.12	Live- 100	29
Ir	Rh 50	95-Auto	----	0 - 40	8.94- 9.44	Live- 100	29
Pt	Rh 50	95-Auto	----	0 - 40	9.18- 9.68	Live- 100	29
Au	Rh 50	95-Auto	----	0 - 40	9.48- 9.98	Live- 100	29
Hg	Rh 50	95-Auto	----	0 - 40	9.74-10.24	Live- 100	29
Tl	Rh 50	95-Auto	----	0 - 40	10.02-10.52	Live- 100	29
Pb	Rh 50	95-Auto	----	0 - 40	12.38-12.88	Live- 100	29
Bi	Rh 50	95-Auto	----	0 - 40	10.60-11.10	Live- 100	29
Po	Rh 50	95-Auto	----	0 - 40	10.90-11.40	Live- 100	29
At	Rh 50	95-Auto	----	0 - 40	11.18-11.68	Live- 100	29
Rn	Rh 50	95-Auto	----	0 - 40	11.48-11.98	Live- 100	29
Fr	Rh 50	95-Auto	----	0 - 40	11.80-12.30	Live- 100	29
Ra	Rh 50	95-Auto	----	0 - 40	12.10-12.60	Live- 100	29
Ac	Rh 50	95-Auto	----	0 - 40	12.42-12.92	Live- 100	29
Th	Rh 50	95-Auto	----	0 - 40	12.74-13.24	Live- 100	29
Pa	Rh 50	95-Auto	----	0 - 40	13.06-13.56	Live- 100	29
U	Rh 50	95-Auto	----	0 - 40	13.38-13.88	Live- 100	29
Np	Rh 50	95-Auto	----	0 - 40	13.70-14.20	Live- 100	29
Pu	Rh 50	95-Auto	----	0 - 40	14.04-14.54	Live- 100	29
Am	Rh 50	95-Auto	----	0 - 40	0.80- 1.20	Live- 100	29
Cm	Rh 50	95-Auto	----	0 - 40	0.80- 1.20	Live- 100	29
Bk	Rh 50	95-Auto	----	0 - 40	10.00-12.00	Live- 100	29
Cf	Rh 50	95-Auto	----	0 - 40	0.80- 1.20	Live- 100	29
Es	Rh 50	95-Auto	----	0 - 40	0.80- 1.20	Live- 100	29
Fm	Rh 50	95-Auto	----	0 - 40	0.80- 1.20	Live- 100	29

Sample : 3616-1
Operator:
Comment : Comment
Group : Janoshik
Date : 2024-10-24 14:28:25

Qualitative Result

Element: Rh, Si, Mo, S , Fe, Br

Sample : 3616-1
 Operator:
 Comment : Comment
 Group : Janoshik
 Date : 2024-10-24 14:28:25

Peak List

Channel	Line	keV	Net Int. (cps/uA)	
Na	----	0.63	0.0075	
	RhLaESC	0.95	0.0374	
	RhLb1ESC	1.10	0.0130	
	SiKa	1.74	0.1126	
Mg	----	0.63	0.0075	
	RhLaESC	0.95	0.0374	
	RhLb1ESC	1.10	0.0130	
	SiKa	1.74	0.1126	
	MoLa	2.23	0.3084	
Al	----	0.63	0.0075	
	RhLaESC	0.95	0.0374	
	RhLb1ESC	1.10	0.0130	
	SiKa	1.74	0.1126	
	MoLa	2.23	0.3084	
	S Ka	2.37	0.7528	
	MoLb1	2.40	0.1381	
Si	RhLaESC	0.95	0.0374	
	RhLb1ESC	1.10	0.0130	
	SiKa	1.74	0.1018	QF
	MoLa	2.23	0.3084	
	S Ka	2.37	0.7528	
	MoLb1	2.40	0.1381	
	RhLa	2.69	2.9565	
P	RhLb1ESC	1.10	0.0130	
	SiKa	1.74	0.1126	
	MoLa	2.23	0.3084	
	S Ka	2.37	0.7528	
	MoLb1	2.40	0.1381	
	RhLa	2.69	2.9565	
	RhLb1	2.83	1.2318	
S	SiKa	1.74	0.1126	
	MoLa	2.23	0.4890	
	S Ka	2.37	0.7955	QF
	MoLb1	2.40	0.0829	
	RhLa	2.69	2.9565	
	RhLb1	2.83	1.2318	
	RhLb2	3.02	0.1441	
	RhLg1	3.16	0.0309	
Cl	SiKa	1.74	0.1126	
	MoLa	2.23	0.3084	
	S Ka	2.37	0.7528	
	MoLb1	2.40	0.1381	
	RhLa	2.69	2.9565	
	RhLb1	2.83	1.2318	
	RhLb2	3.02	0.1441	
	RhLg1	3.16	0.0309	
	RhLg3	3.36	0.0378	
K	S Ka	2.37	0.7528	
	MoLb1	2.40	0.1381	
	RhLa	2.69	2.9565	
	RhLb1	2.83	1.2318	
	RhLb2	3.02	0.1441	
	RhLg1	3.16	0.0309	
	RhLg3	3.36	0.0378	

Sample : 3616-1
Operator:
Comment : Comment
Group : Janoshik
Date : 2024-10-24 14:28:25

Peak List

Channel	Line	keV	Net Int. (cps/uA)
Ca	RhLa	2.69	2.9565
	RhLb1	2.83	1.2318
	RhLb2	3.02	0.1441
	RhLg1	3.16	0.0309
	RhLg3	3.36	0.0378
Sc	RhLg1	3.16	0.0309
	RhLg3	3.36	0.0378
As	BrKa	11.92	2.1442 QF
Se	BrKa	11.92	1.9287
Br	BrKa	11.92	1.9287
Kr	BrKa	11.92	1.9287
Tc	RhKaC	19.10	30.7801
Ru	RhKaC	19.10	30.7801
	RhKa	20.20	5.6796
Rh	----	19.10	33.4534
	----	20.20	6.7423
	----	21.46	4.7251

Sample : 3616-1
Operator:
Comment : Comment
Group : Janoshik
Date : 2024-10-24 14:28:25

Quantitative Result

Analyte	Result	[3-sigma]	Proc.-Calc.	Line	Int. (cps/uA)
Fm	0.000 %	[-----]	Fix	-----	-----
Mg	0.000 %	[-----]	Fix	-----	-----
Al	0.000 %	[-----]	Fix	-----	-----
Si	0.000 %	[-----]	Fix	-----	-----
P	0.000 %	[-----]	Fix	-----	-----
S	0.000 %	[-----]	Fix	-----	-----
Cl	0.000 %	[-----]	Fix	-----	-----
K	0.000 %	[-----]	Fix	-----	-----
Ca	0.000 %	[-----]	Fix	-----	-----
Sc	0.000 %	[-----]	Fix	-----	-----
Ti	0.000 %	[-----]	Fix	-----	-----
V	0.000 %	[-----]	Fix	-----	-----
Cr	0.000 %	[-----]	Fix	-----	-----
Mn	0.000 %	[-----]	Fix	-----	-----
Fe	0.000 %	[-----]	Fix	-----	-----
Co	0.000 %	[-----]	Fix	-----	-----
Ni	0.000 %	[-----]	Fix	-----	-----
Cu	0.000 %	[-----]	Fix	-----	-----
Zn	0.000 %	[-----]	Fix	-----	-----
Ga	0.000 %	[-----]	Fix	-----	-----
Ge	0.000 %	[-----]	Fix	-----	-----
As	0.000 %	[-----]	Fix	-----	-----
Se	0.000 %	[-----]	Fix	-----	-----
Br	0.000 %	[-----]	Fix	-----	-----
Kr	0.000 %	[-----]	Fix	-----	-----
Rb	0.000 %	[-----]	Fix	-----	-----
Sr	0.000 %	[-----]	Fix	-----	-----
Y	0.000 %	[-----]	Fix	-----	-----
Zr	0.000 %	[-----]	Fix	-----	-----
Nb	0.000 %	[-----]	Fix	-----	-----
Mo	0.000 %	[-----]	Fix	-----	-----
Tc	0.000 %	[-----]	Fix	-----	-----
Ru	0.000 %	[-----]	Fix	-----	-----
Rh	0.000 %	[-----]	Fix	-----	-----
Pd	0.000 %	[-----]	Fix	-----	-----
Ag	0.000 %	[-----]	Fix	-----	-----
Cd	0.000 %	[-----]	Fix	-----	-----
In	0.000 %	[-----]	Fix	-----	-----
Sn	0.000 %	[-----]	Fix	-----	-----
Sb	0.000 %	[-----]	Fix	-----	-----
Te	0.000 %	[-----]	Fix	-----	-----
I	0.000 %	[-----]	Fix	-----	-----
Xe	0.000 %	[-----]	Fix	-----	-----
Cs	0.000 %	[-----]	Fix	-----	-----
Ba	0.000 %	[-----]	Fix	-----	-----
La	0.000 %	[-----]	Fix	-----	-----
Ce	0.000 %	[-----]	Fix	-----	-----
Pr	0.000 %	[-----]	Fix	-----	-----
Nd	0.000 %	[-----]	Fix	-----	-----
Pm	0.000 %	[-----]	Fix	-----	-----
Sm	0.000 %	[-----]	Fix	-----	-----
Eu	0.000 %	[-----]	Fix	-----	-----
Gd	0.000 %	[-----]	Fix	-----	-----
Tb	0.000 %	[-----]	Fix	-----	-----
Dy	0.000 %	[-----]	Fix	-----	-----
Ho	0.000 %	[-----]	Fix	-----	-----
Er	0.000 %	[-----]	Fix	-----	-----
Tm	0.000 %	[-----]	Fix	-----	-----
Yb	0.000 %	[-----]	Fix	-----	-----
Lu	0.000 %	[-----]	Fix	-----	-----
Hf	0.000 %	[-----]	Fix	-----	-----
Ta	0.000 %	[-----]	Fix	-----	-----
W	0.000 %	[-----]	Fix	-----	-----
Re	0.000 %	[-----]	Fix	-----	-----
Os	0.000 %	[-----]	Fix	-----	-----

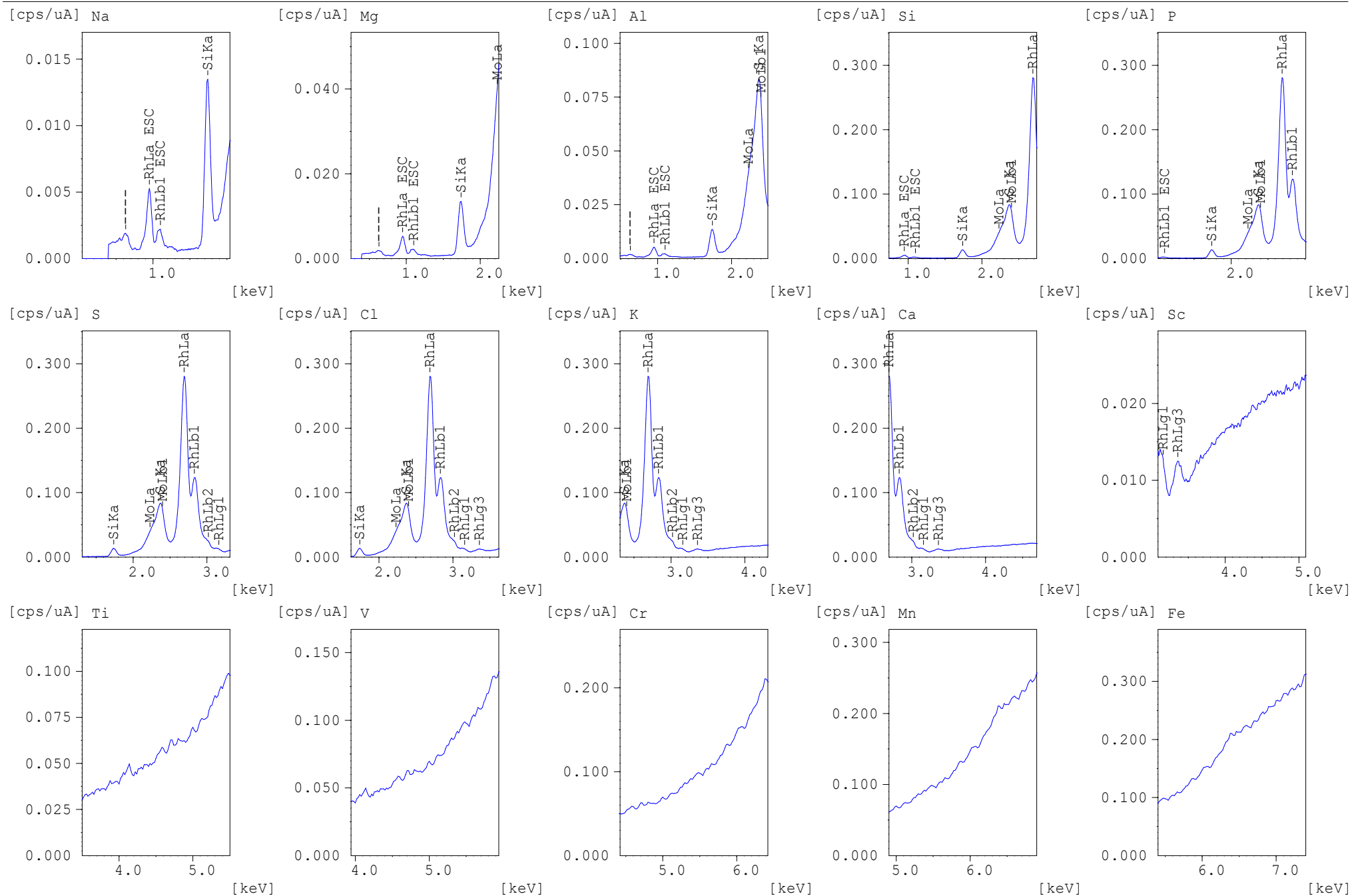
Sample : 3616-1
Operator:
Comment : Comment
Group : Janoshik
Date : 2024-10-24 14:28:25

Ir	0.000 %	[-----] Fix	-----
Pt	0.000 %	[-----] Fix	-----
Au	0.000 %	[-----] Fix	-----
Hg	0.000 %	[-----] Fix	-----
Tl	0.000 %	[-----] Fix	-----
Pb	0.000 %	[-----] Fix	-----
Bi	0.000 %	[-----] Fix	-----
Po	0.000 %	[-----] Fix	-----
At	0.000 %	[-----] Fix	-----
Rn	0.000 %	[-----] Fix	-----
Fr	0.000 %	[-----] Fix	-----
Ra	0.000 %	[-----] Fix	-----
Ac	0.000 %	[-----] Fix	-----
Th	0.000 %	[-----] Fix	-----
Pa	0.000 %	[-----] Fix	-----
U	0.000 %	[-----] Fix	-----
Np	0.000 %	[-----] Fix	-----
Pu	0.000 %	[-----] Fix	-----
Am	0.000 %	[-----] Fix	-----
Cm	0.000 %	[-----] Fix	-----
Bk	0.000 %	[-----] Fix	-----
Cf	0.000 %	[-----] Fix	-----
Es	0.000 %	[-----] Fix	-----
Na	100.000 %	[-----] Balance	-----

Sample : 3616-1
Operator:

Group : Janoshik
Comment : Comment

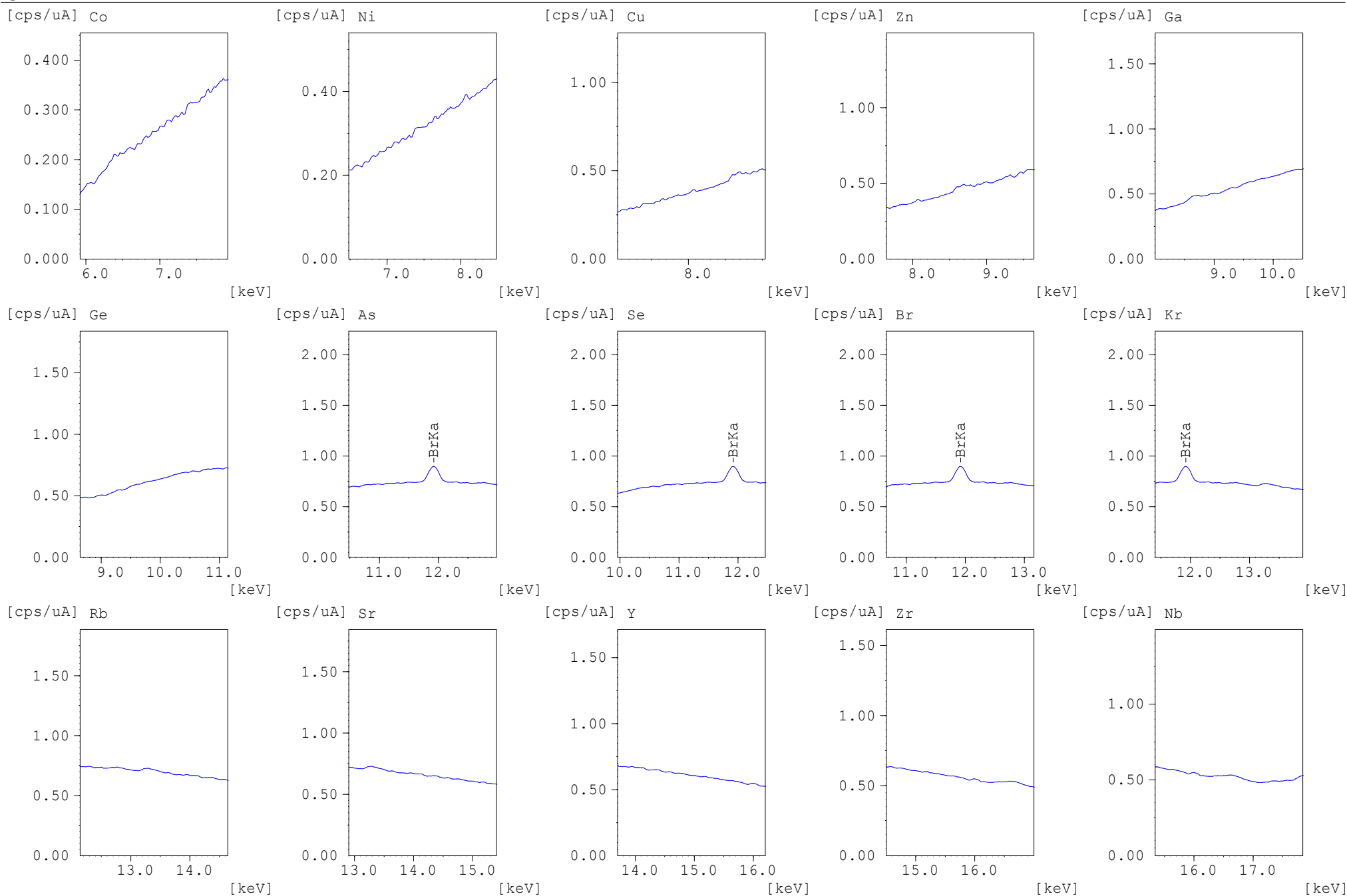
Date : 2024-10-24 14:28:25
01/06



Sample : 3616-1
Operator:

Group : Janoshik
Comment : Comment

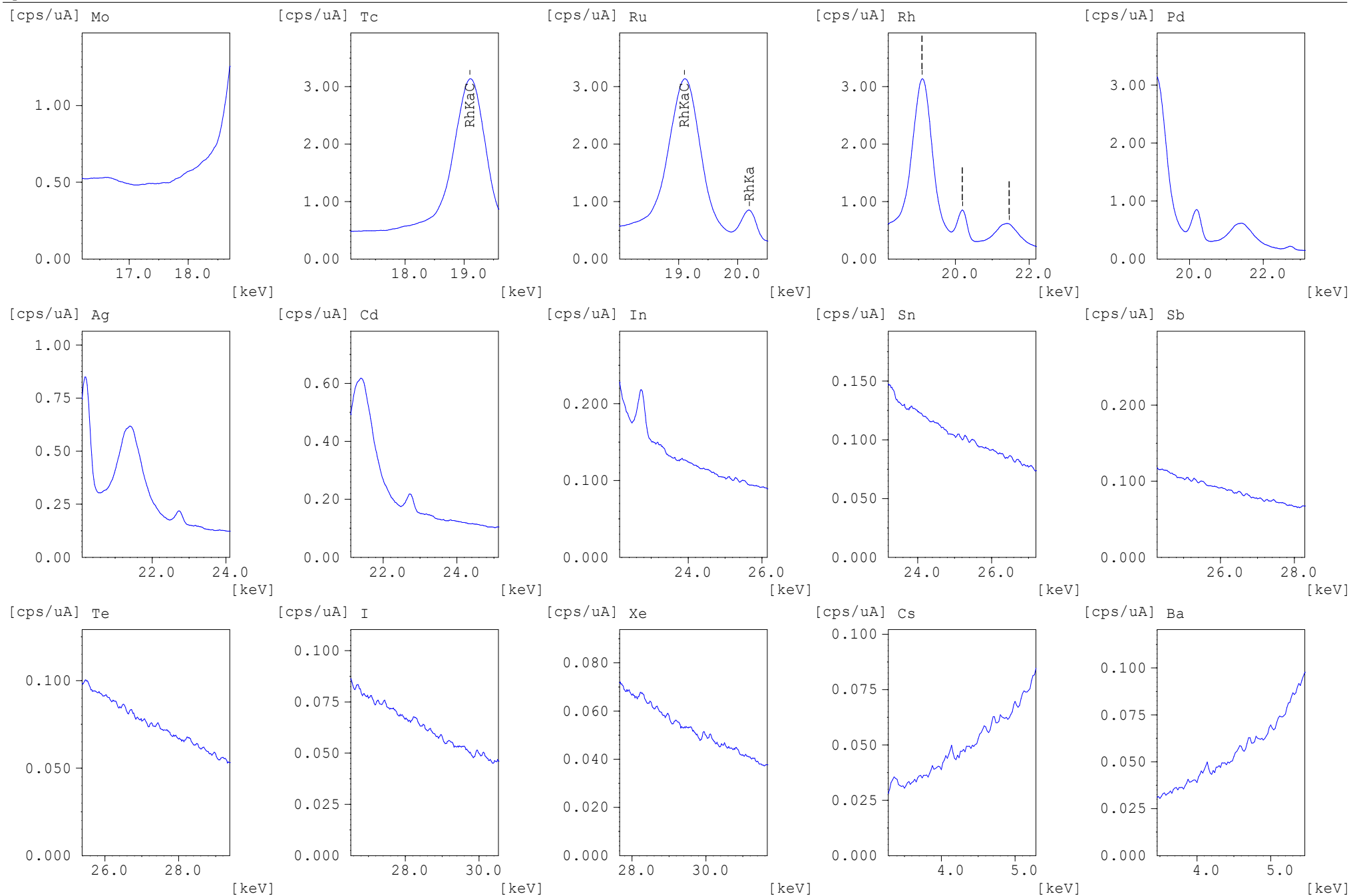
Date : 2024-10-24 14:28:25
02/06



Sample : 3616-1
Operator:

Group : Janoshik
Comment : Comment

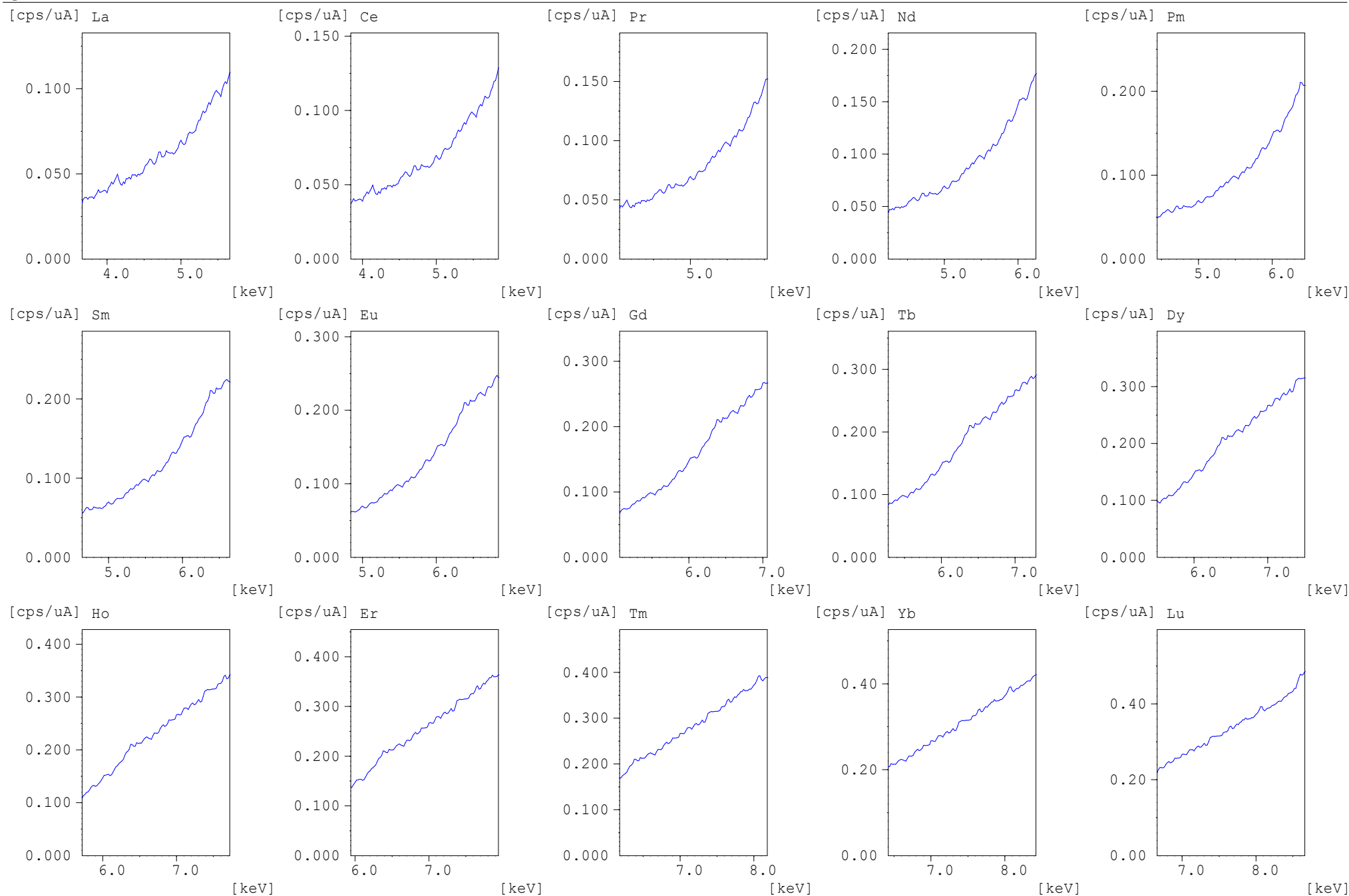
Date : 2024-10-24 14:28:25
03/06



Sample : 3616-1
Operator:

Group : Janoshik
Comment : Comment

Date : 2024-10-24 14:28:25
04/06



Sample : 3616-1

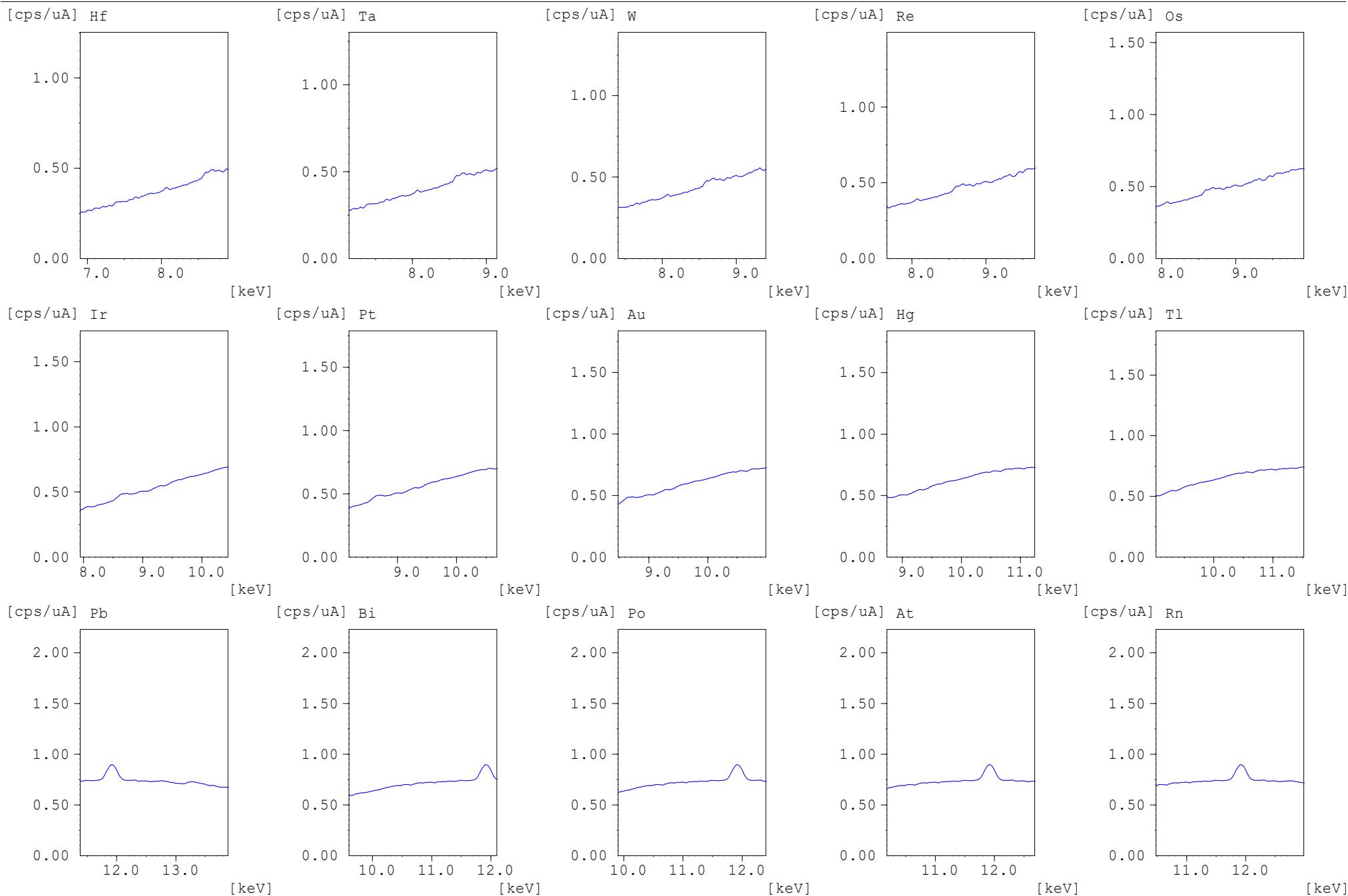
Group : Janoshik

Date : 2024-10-24 14:28:25

Operator:

Comment : Comment

05/06



Sample : 3616-1
Operator:

Group : Janoshik
Comment : Comment

Date : 2024-10-24 14:28:25
06/06

