

Appendix i Compilation of LA-ICP-MS data:

(a) Line scans of vegetables and fruit

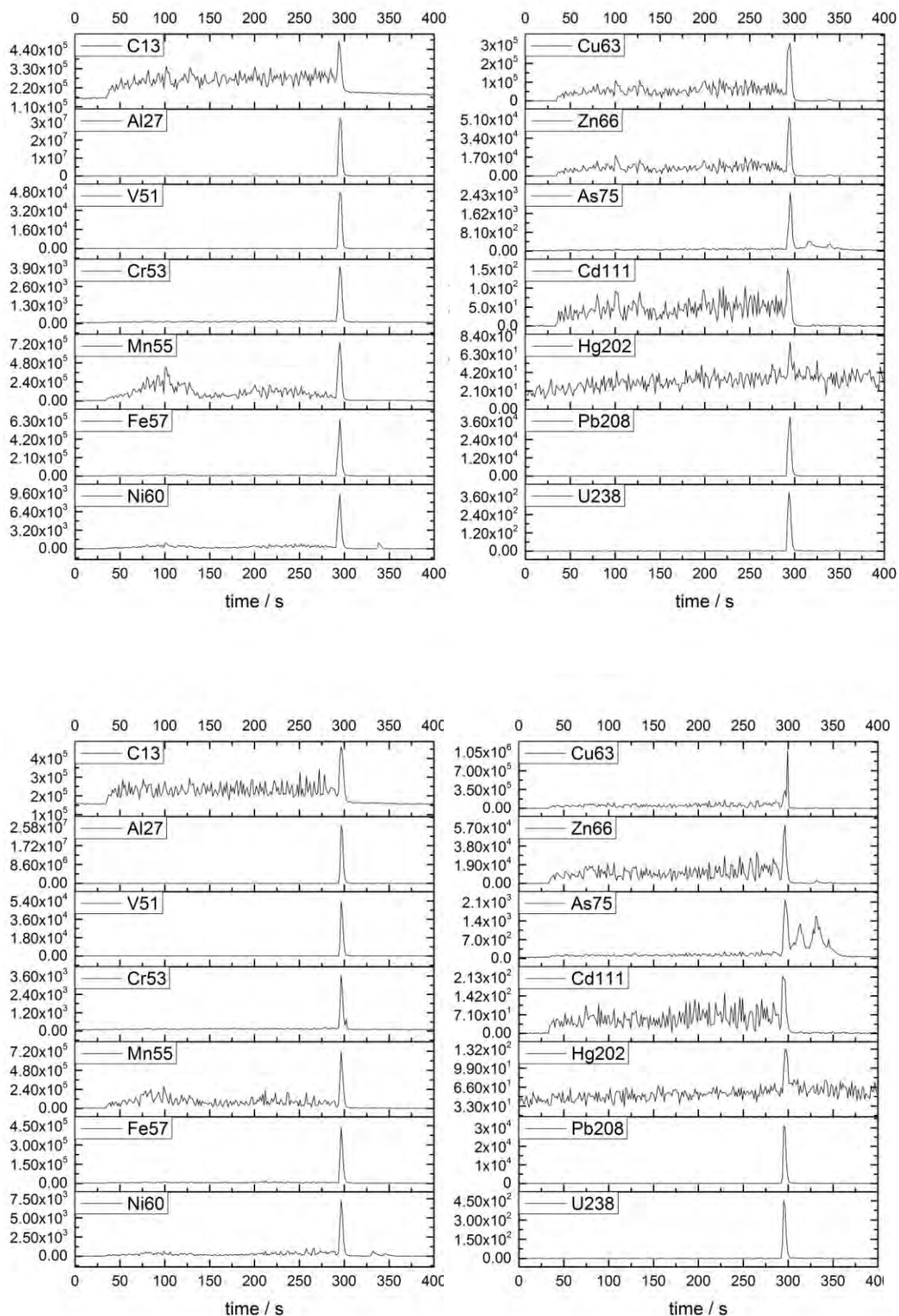
Laser ablation inductively coupled plasma mass spectrometry analysis of sectioned vegetables showing element distribution between flesh and skin. Skin peak is identified by the peak on far right hand side of plot. X axis is plotted in seconds where the scan speed was 50 $\mu\text{m s}^{-1}$. Y axis is counts recorded with an integration time of 0.1 s per mass. Measurements were recorded every 1.442 s. Samples are listed in order of the analysis sequence and are uncorrected for any drift.

Contents.

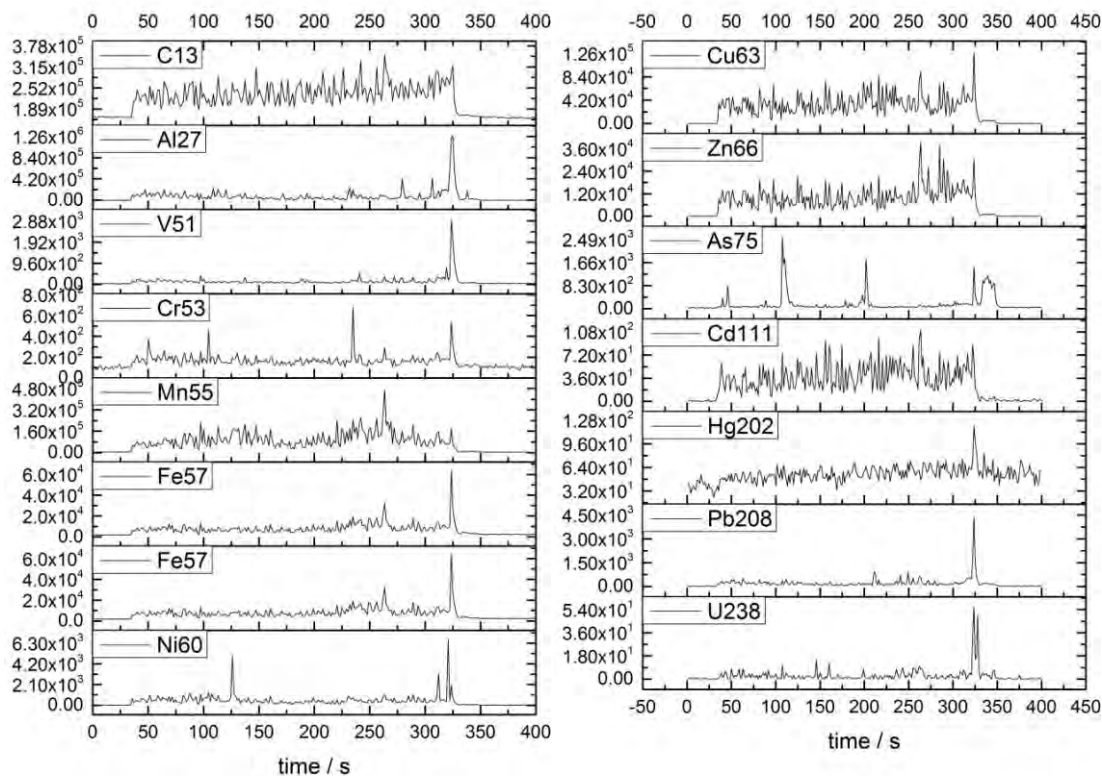
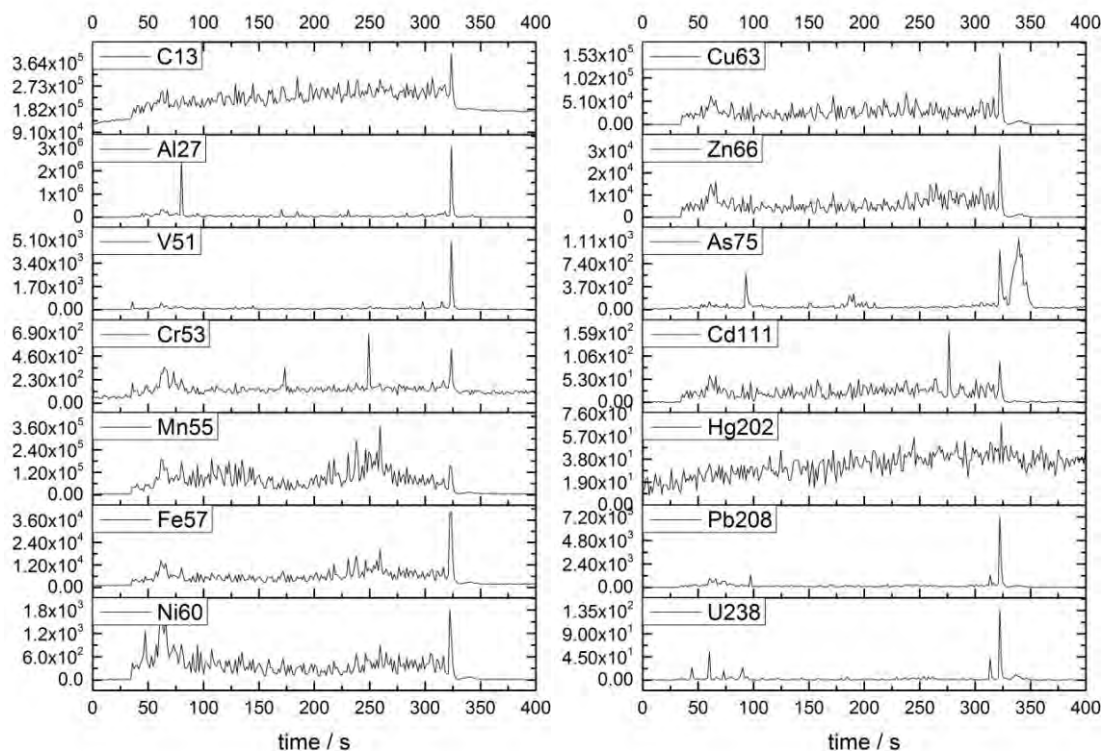
Page 3	Swansea Potato (Maris Piper) 1
Page 4	Swansea Potato (Maris Piper) 2
Page 5	Lancashire Potato (Estima) 2
Page 6	Lancashire Potato (Estima) 4
Page 7	Lincolnshire Potato (Marfona) 1
Page 8	Lincolnshire Potato (Marfona) 2
Page 9	Leicester Potato (King Edward) 3
Page 10	Gloucestershire Potato (Desiree) 2
Page 11	Suffolk Potato (Red King Edward) 9
Page 12	Suffolk Potato (Red King Edward) 10
Page 13	Suffolk Potato (Red king Edward) 4
Page 14	Leicester Potato (King Edward) 4
Page 15	Gloucestershire Potato (Desiree) 3
Page 16	Suffolk Potato (Red King Edward) 4
Page 17	Gloucestershire Potato (Nicola) 5
Page 18	Lancashire Potato (Maris Piper) 1
Page 19	Gloucestershire Potato (Nicola) 4
Page 20	Suffolk potato (red king Edward) 8
Page 21	Leicester Potato (Red king Edward) 1
Page 22	Leicester Potato (Red King Edward) 4
Page 23	Lincolnshire Potato (Wilja) 4
Page 24	Wales Potato (Maris Piper) 3
Page 25	Lincolnshire Potato (Wilja) 2
Page 26	Wales Potato (Maris Piper) 5
Page 27	Wales Potato (Red King Edward) 3
Page 28	Wales Potato (Red king Edward) 4
Page 29	Leicester Potato (Maris Piper) 6
Page 30	Kinross Potato (Maris Piper) 9
Page 31	Lancashire Turnip 1
Page 32	Lancashire Turnip 2
Page 33	Wales Swede 2
Page 34	Suffolk Turnip 1
Page 35	Suffolk Turnip 2
Page 36	Wales Parsnip 1
Page 37	Wales Parsnip 2
Page 38	Kent Potato (Kerr's Pink) 2
Page 39	Gloucestershire Potato (Nicola) slice 3
Page 40	Kinross Potato (Maris Paper) 2
Page 41	Kent Potato (Charlotte) 2
Page 42	Kent Potato (Charlotte) 3
Page 43	Kinross Potato (Maris Piper) 5
Page 44	Leicestershire Potato (Maris Piper) 1
Page 45	Kent Potato (King Edward) 4
Page 46	Kent Potato (Kerr's Pink) 3
Page 47	Kent Potato (Maris Piper) 3
Page 48	Kent Potato (Shetland Black) 2
Page 49	Leicestershire Potato (Maris Piper) 2
Page 50	Kent Potato (Maris Peer) 1
Page 51	Kent Potato (Shetland Black) 2

Page 52	Leicestershire Potato (Maris Piper) 2
Page 53	Kent Potato (Maris Peer) 1
Page 54	Kent Potato (Yukon) 3
Page 55	Kent Potato (Wilja) 2
Page 56	Kent Potato (Salad Blue) 2
Page 57	Derbyshire Potato (Maris Piper) 15
Page 58	Kent Potato (Yukon) 5
Page 59	Kent Potato (Maris Peer) 5
Page 60	Kent Potato (Salad Blue) 5
Page 61	Kent Potato (Wilja) 1
Page 62	Kent Potato (Estima) 5
Page 63	Lincolnshire Beet 8
Page 64	Derbyshire Potato (Maris Piper) 10
Page 65	Derbyshire Potato (Maris Piper) 14
Page 66	Kent Potato (Estima) 3
Page 67	Kent Potato (La Ratte) 1
Page 68	Lancashire Carrot 5
Page 69	Kinross Carrot 1
Page 70	Kinross Carrot 3
Page 71	Leicestershire Carrot 5
Page 72	Leicestershire Carrot 4
Page 73	Gloucestershire Carrot 3
Page 74	Gloucestershire Carrot 2
Page 75	Wales Carrot 4
Page 76	Wales Carrot 5
Page 77	Lancashire Swede 4
Page 78	Lincolnshire Beet 4
Page 79	Lancashire Swede 3
Page 80	Leicestershire Parsnip 3
Page 81	Leicestershire Parsnip 2
Page 82	Suffolk Parsnip 4
Page 83	Lancashire Beetroot 3
Page 84	Leicestershire Beetroot 5
Page 85	Lincolnshire Beetroot 4
Page 86	Lincolnshire Beetroot 1
Page 87	Leicestershire Beetroot 3
Page 88	Lancashire Beetroot 4
Page 89	Suffolk Parsnip 5
Page 90	Lancashire Carrot 4
Page 91	Lincolnshire Beet 18
Page 92	Lincolnshire Beet 6
Page 93	Norfolk Apple (Discovery) 5
Page 94	Norfolk Apple (Discovery) 1
Page 95	Norfolk Pear (Conference) 5
Page 96	Norfolk Pear (Conference) 2
Page 97	Kent Pear (Conference) 4
Page 98	Kent Pear (Conference) 3
Page 99	Kent Pear (Concorde) 1
Page 100	Kent Pear (Concorde) 2
Page 101	Kent Apple (Discovery) 1
Page 102	Kent Apple (Bramley) 3
Page 103	Kent Apple (Bramley) 2
Page 104	Suffolk Apple (Bramley) 3
Page 105	Suffolk Apple (Bramley) 1
Page 106	Kent Apple (Discovery) 2
Page 107	Suffolk Apple (Discovery) 1
Page 108	Suffolk Apple (Discovery) 3
Page 109	Northern Ireland Potato (Comber) 1
Page 110	Northern Ireland Potato (Comber) 1
Page 111	Northern Ireland Carrot 1
Page 112	Northern Ireland Carrot 2
Page 113	Northern Ireland Parsnip 1
Page 114	Northern Ireland Parsnip 2
Page 115	Northern Ireland Apple (Discovery) 1
Page 116	Northern Ireland Apple (Discovery) 2
Page 117	Northern Ireland Pear (Concorde) 1
Page 118	Northern Ireland Pear (Concorde) 2

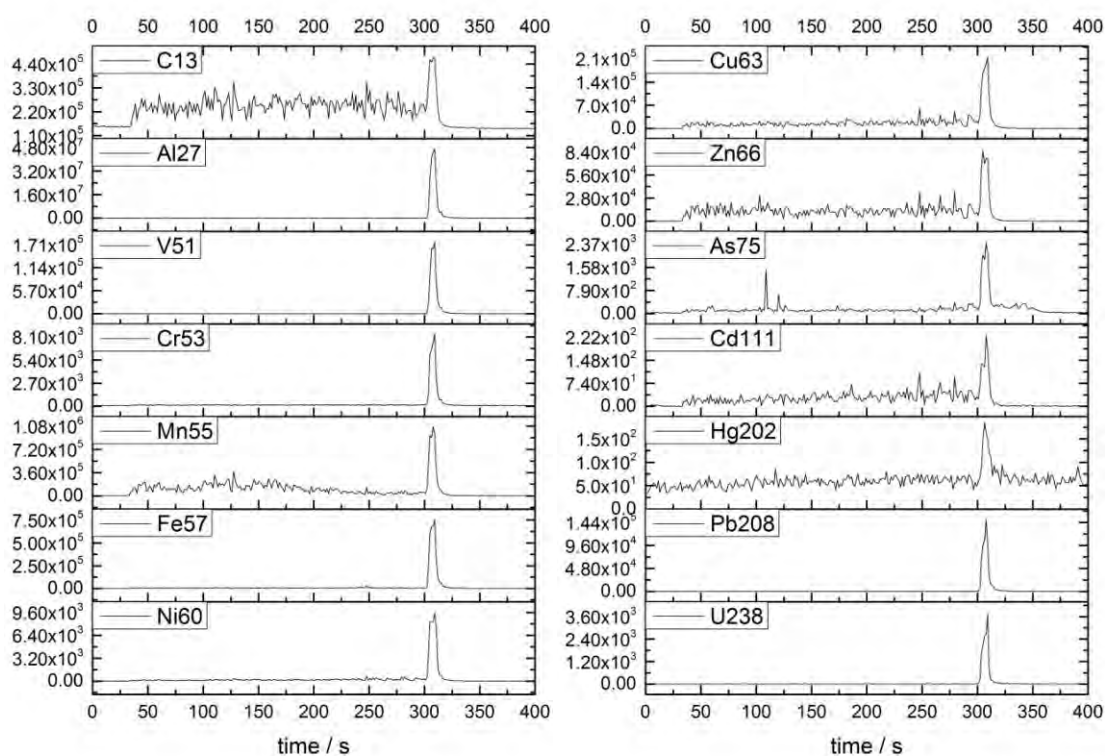
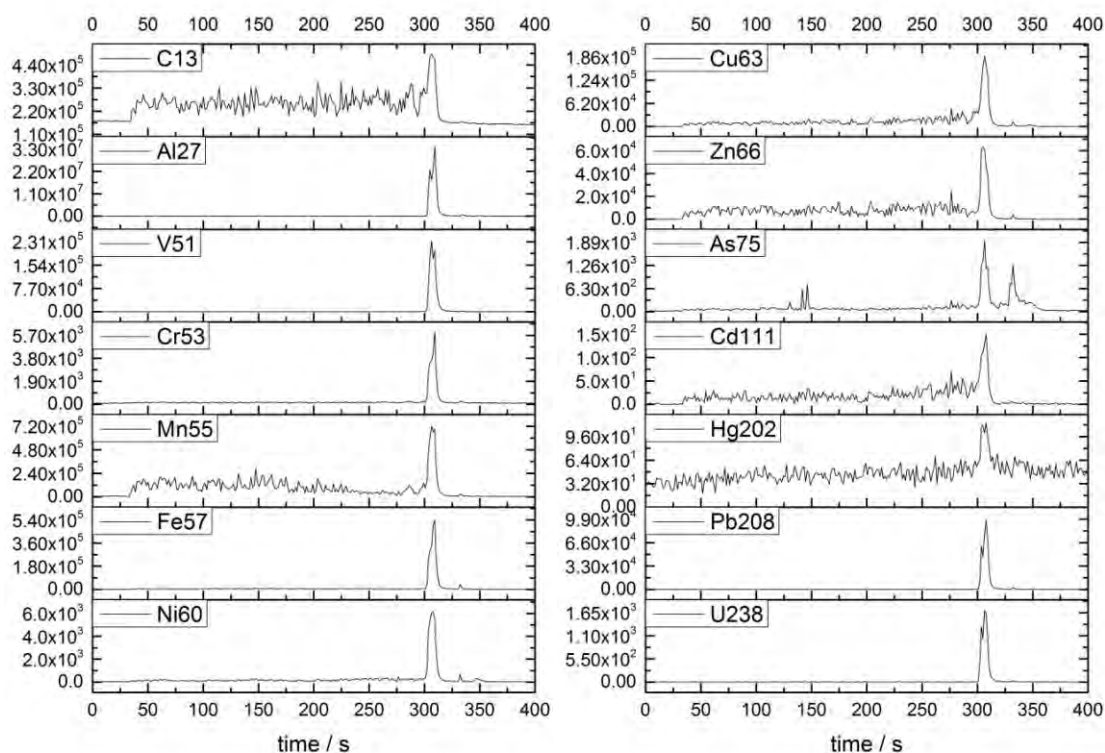
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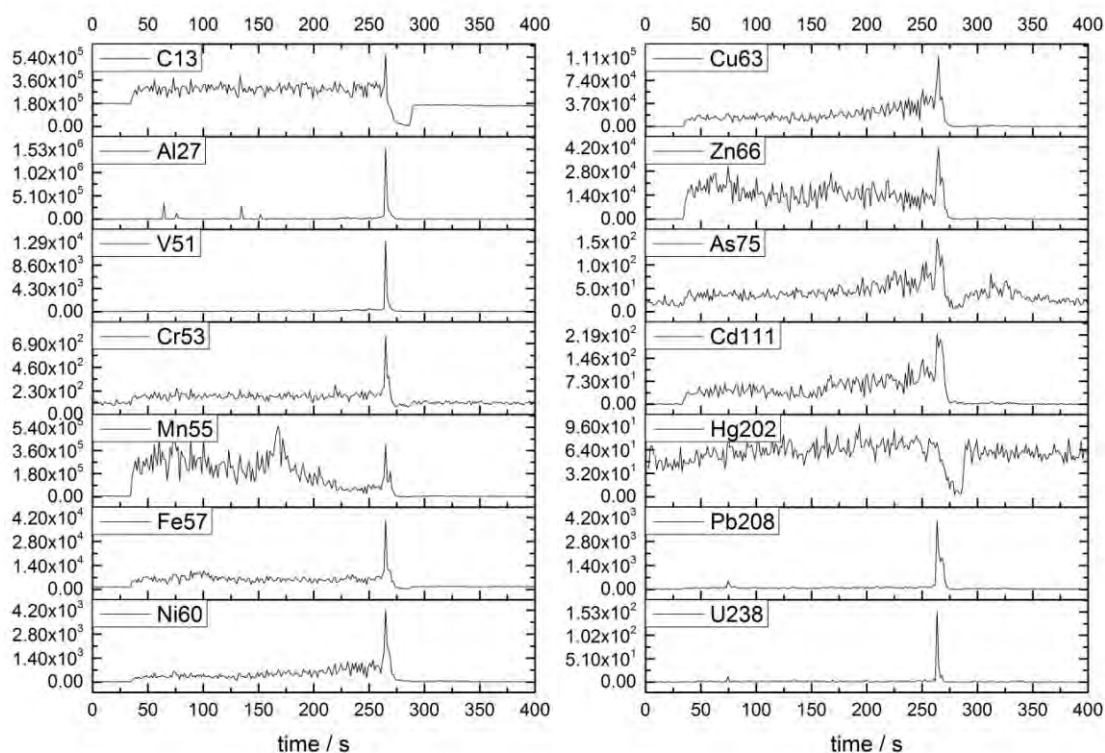
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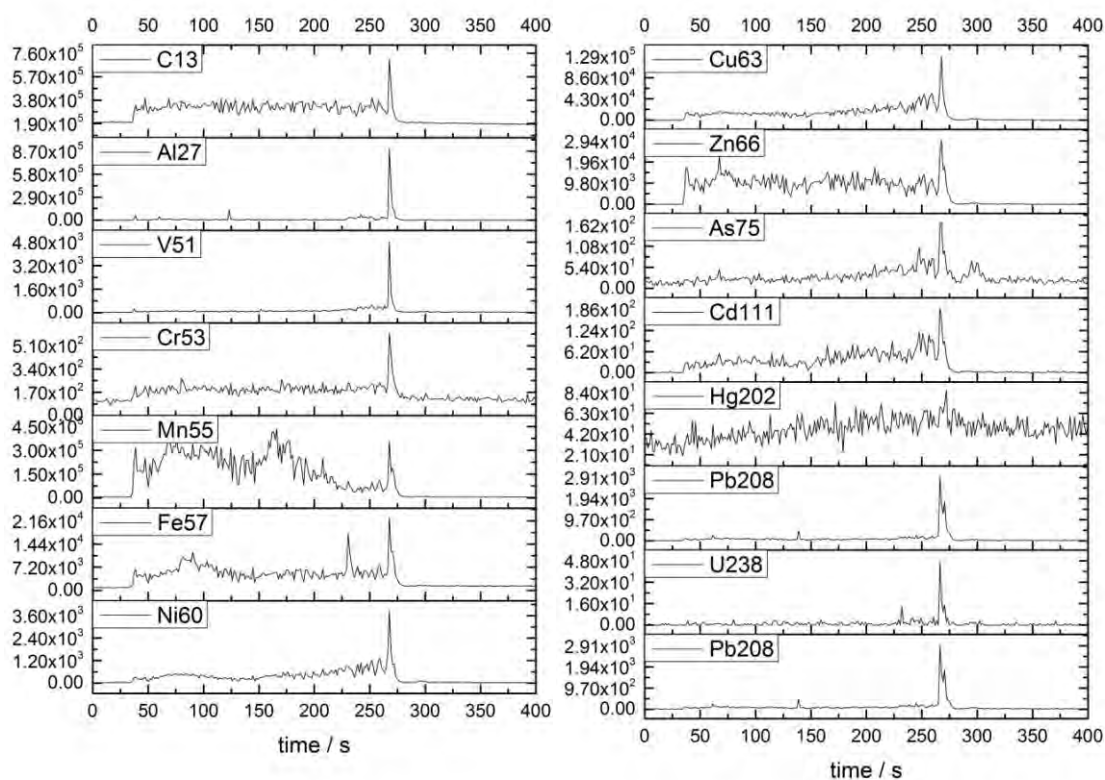
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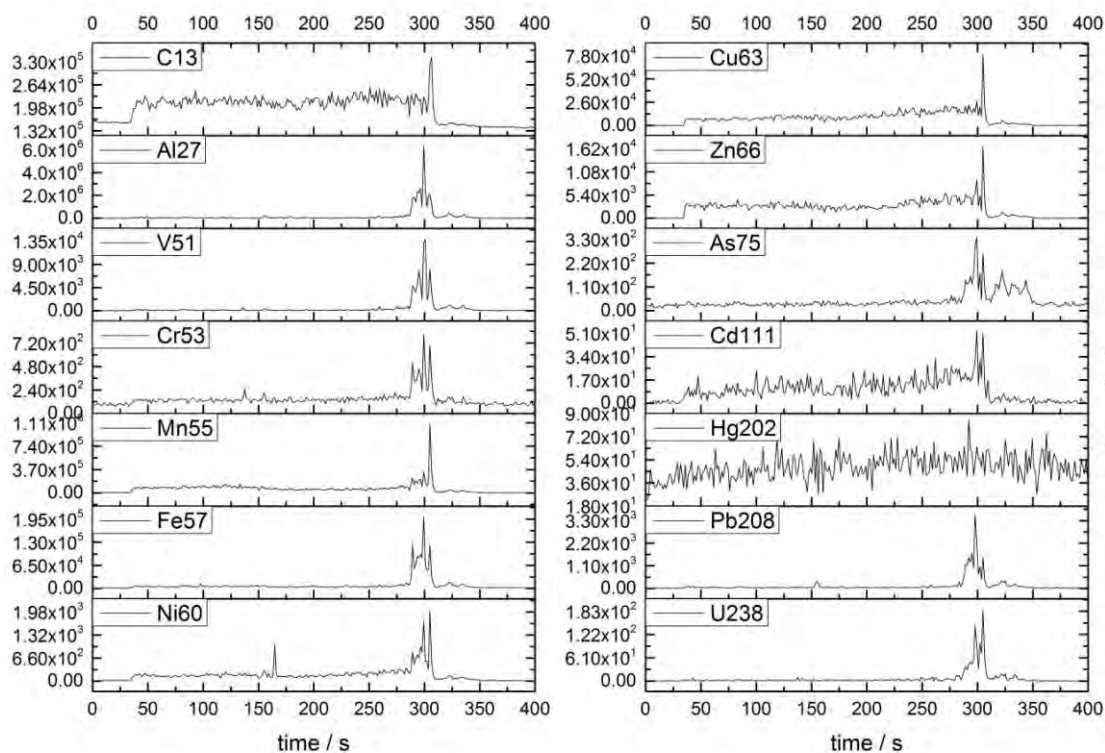
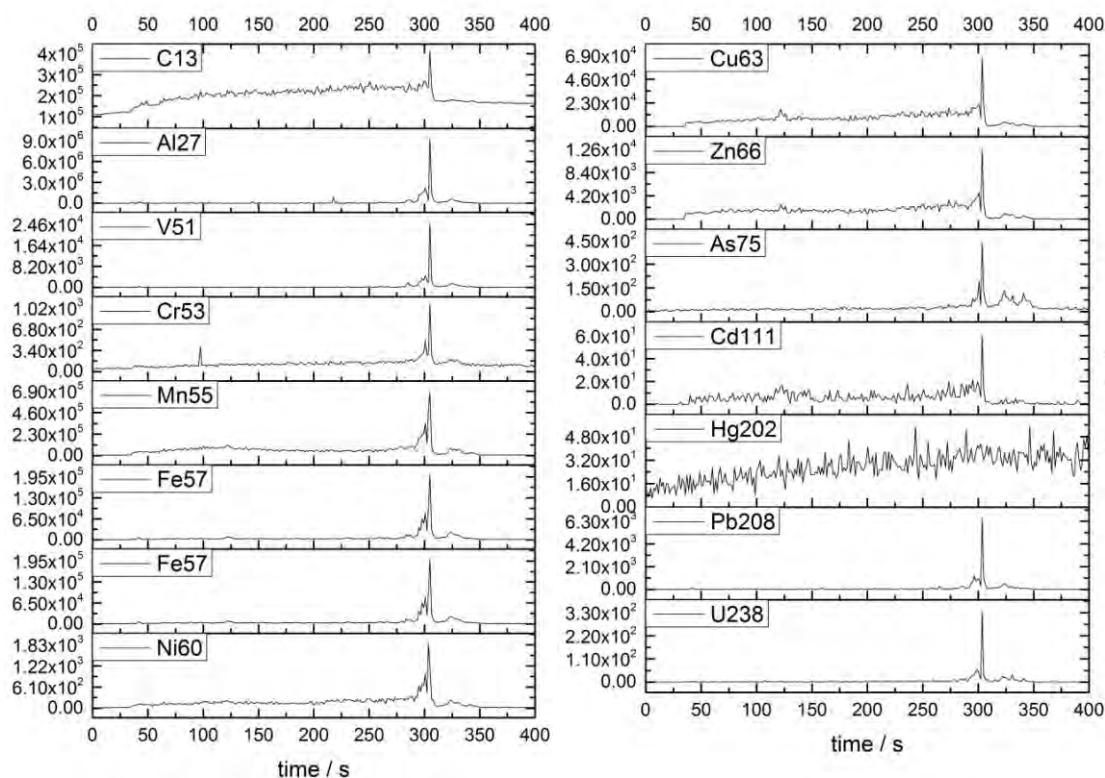
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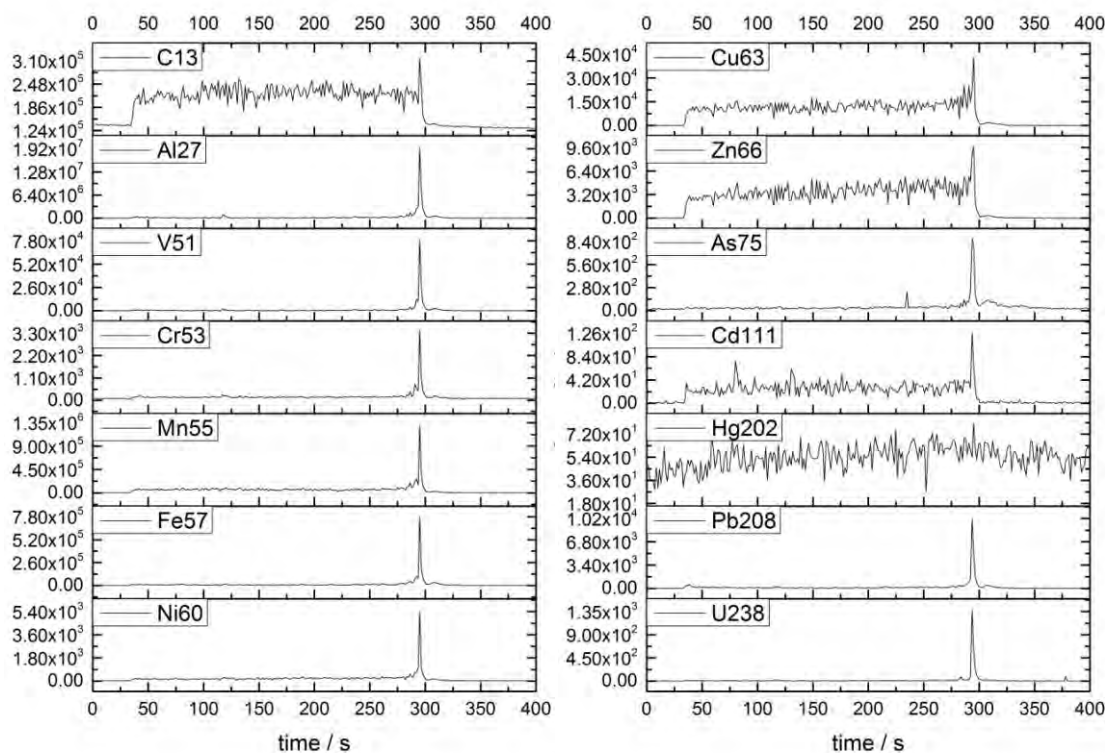
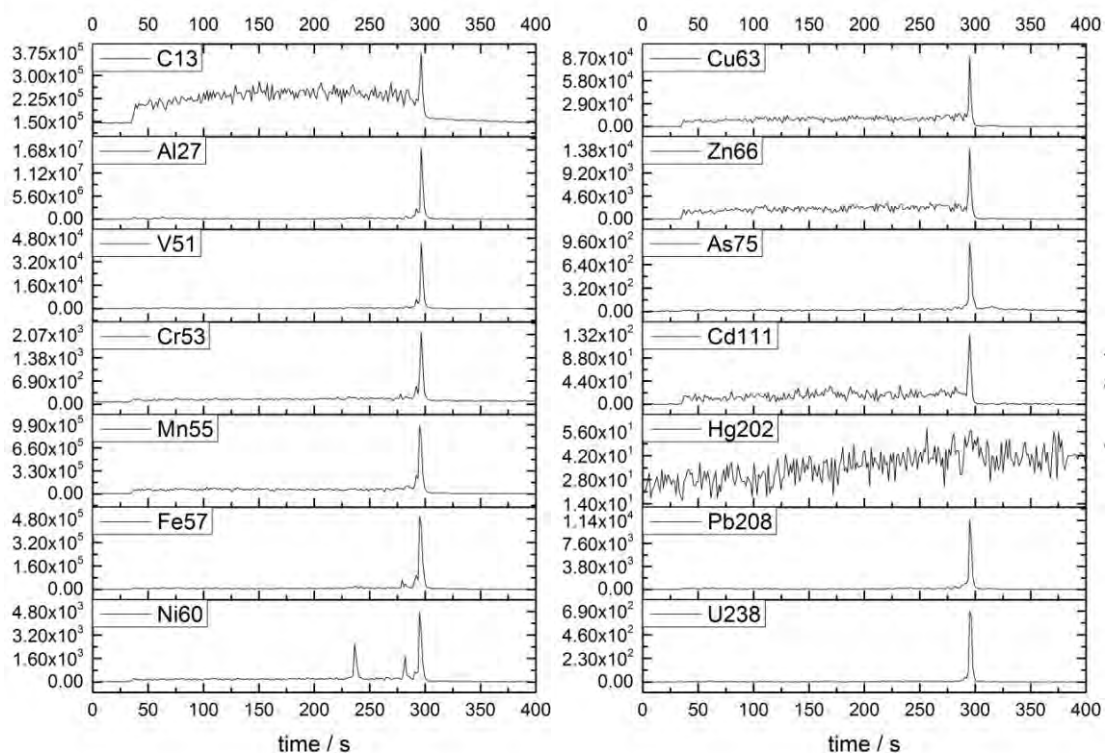
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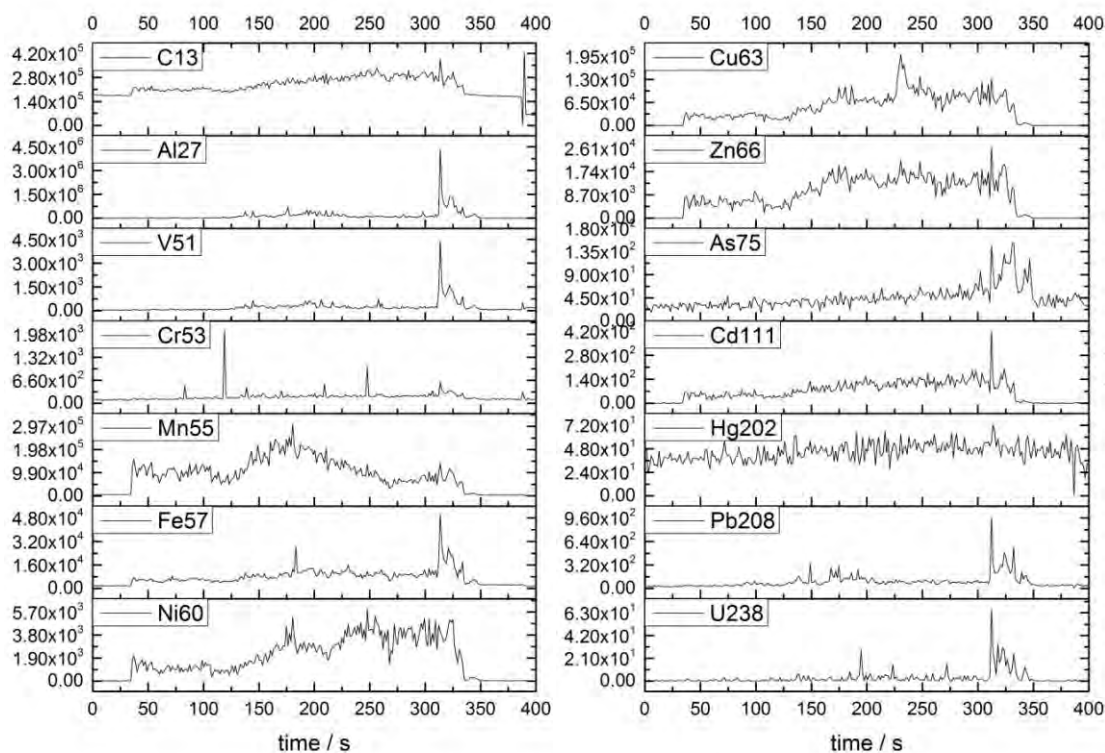
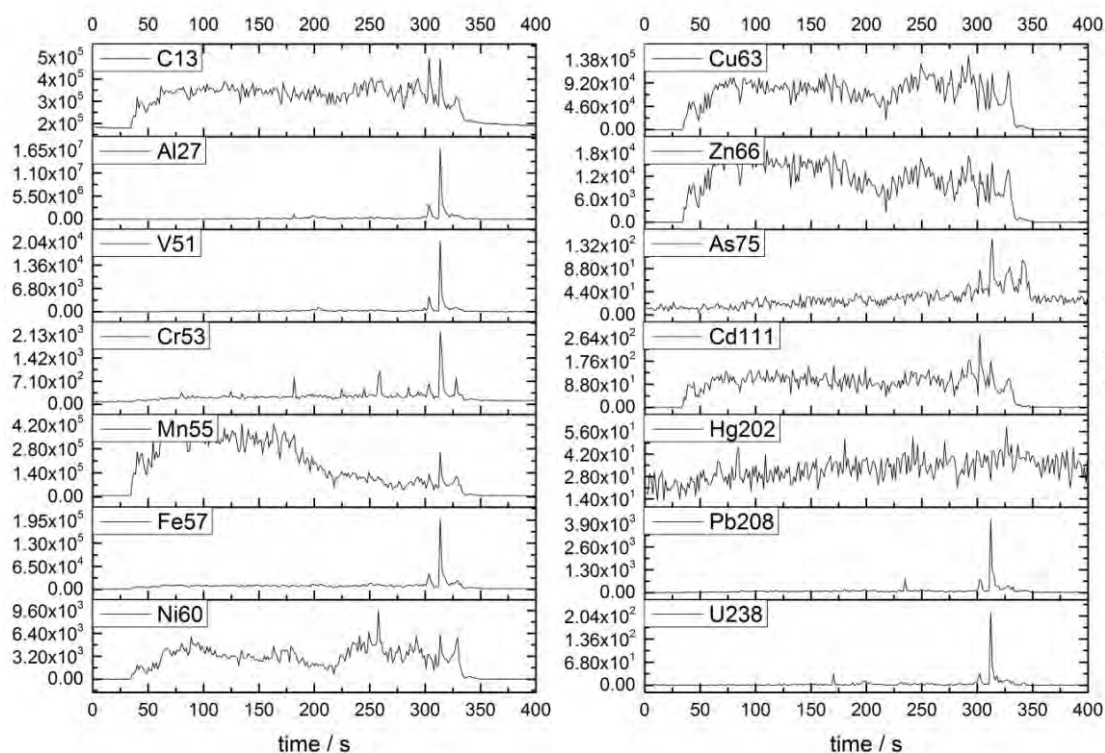
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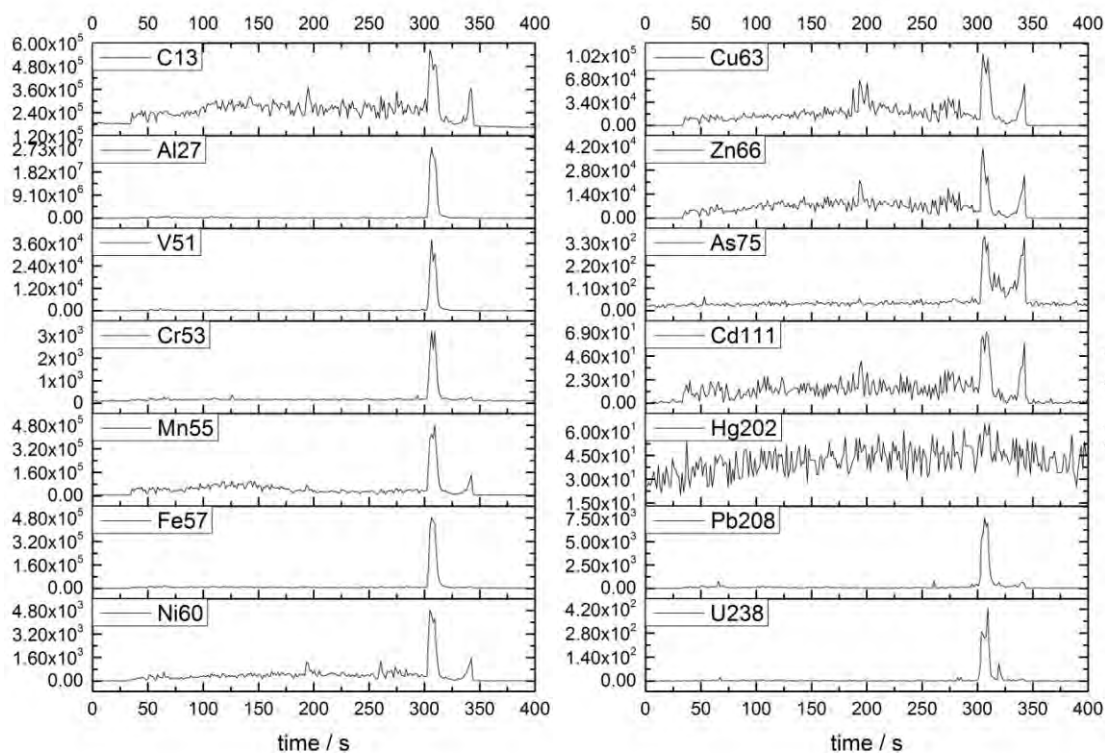
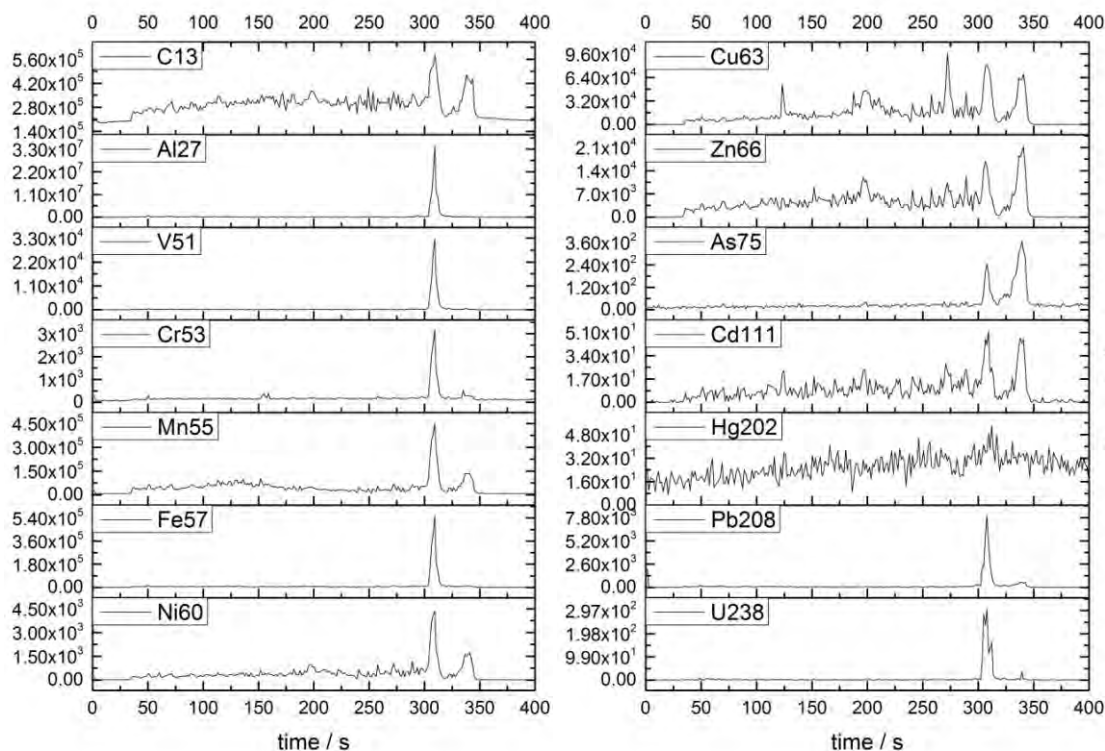
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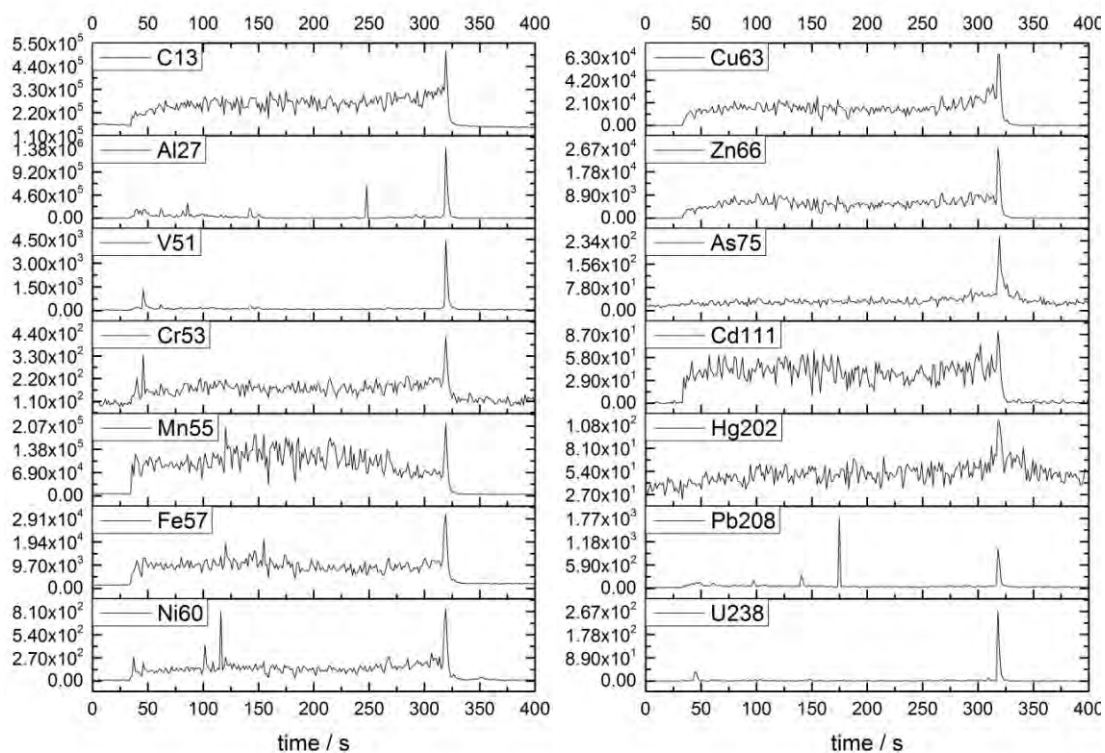
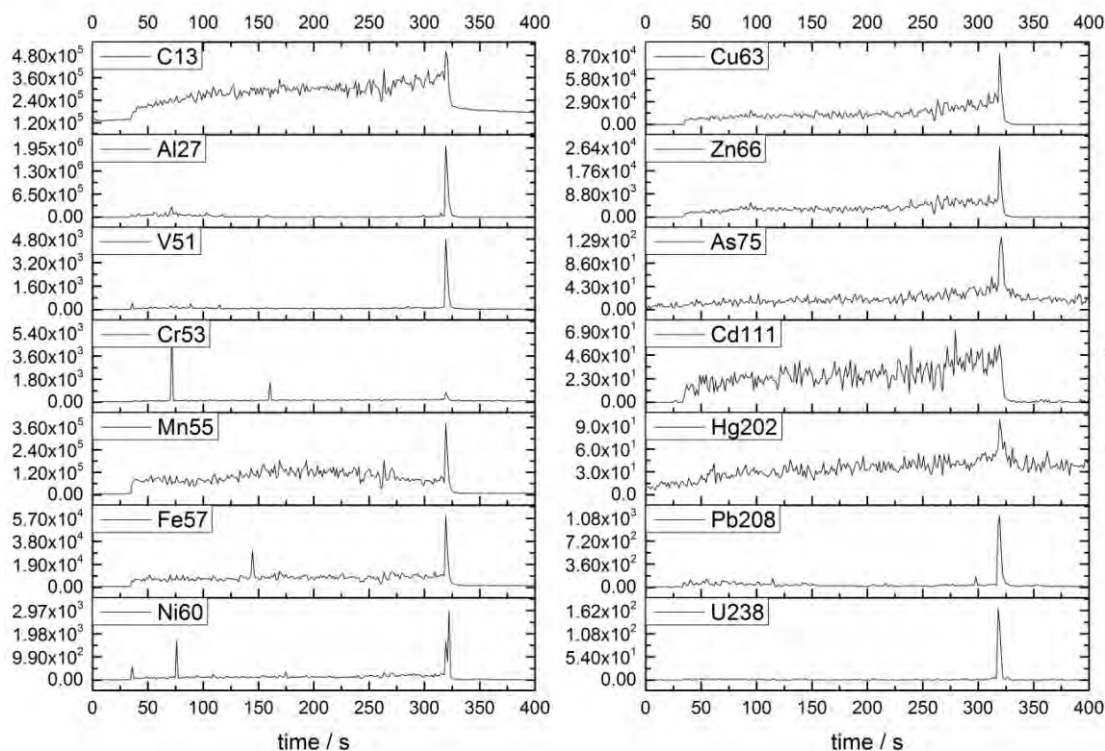
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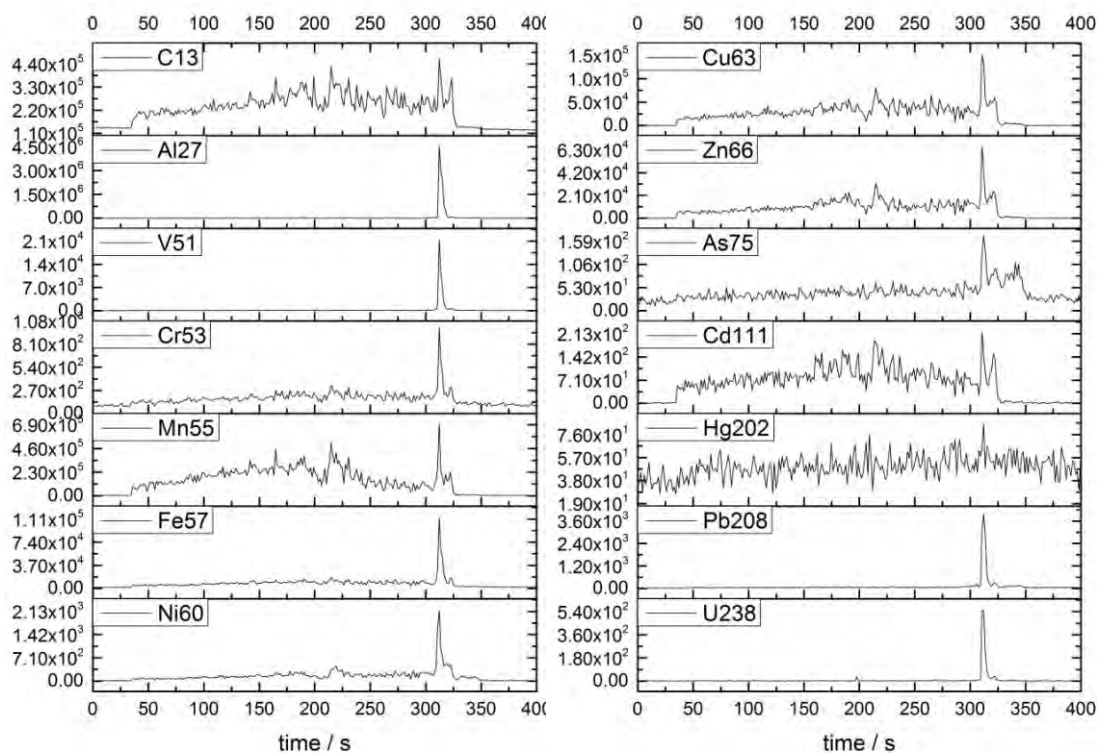
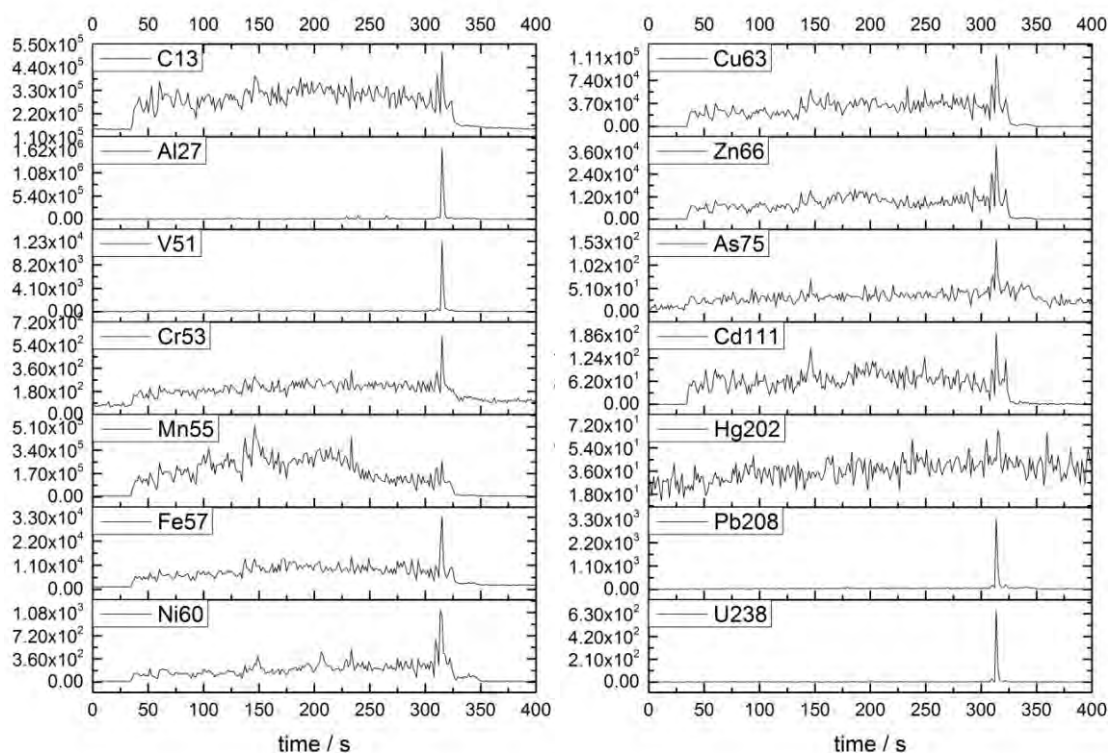
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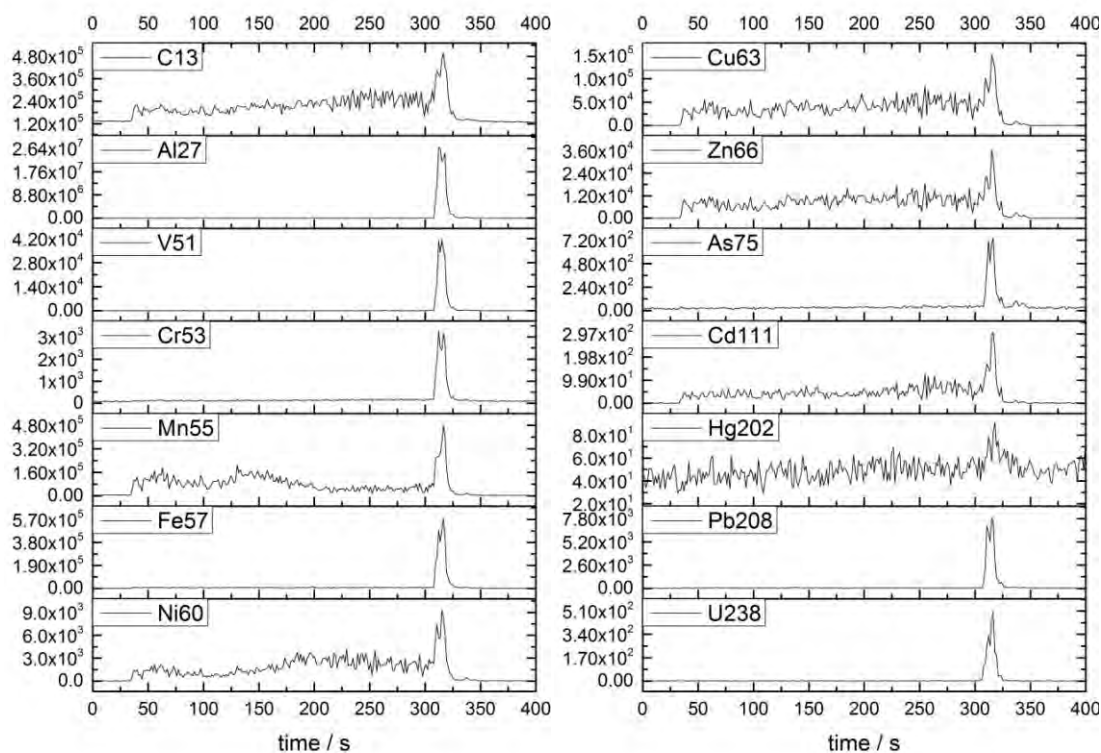
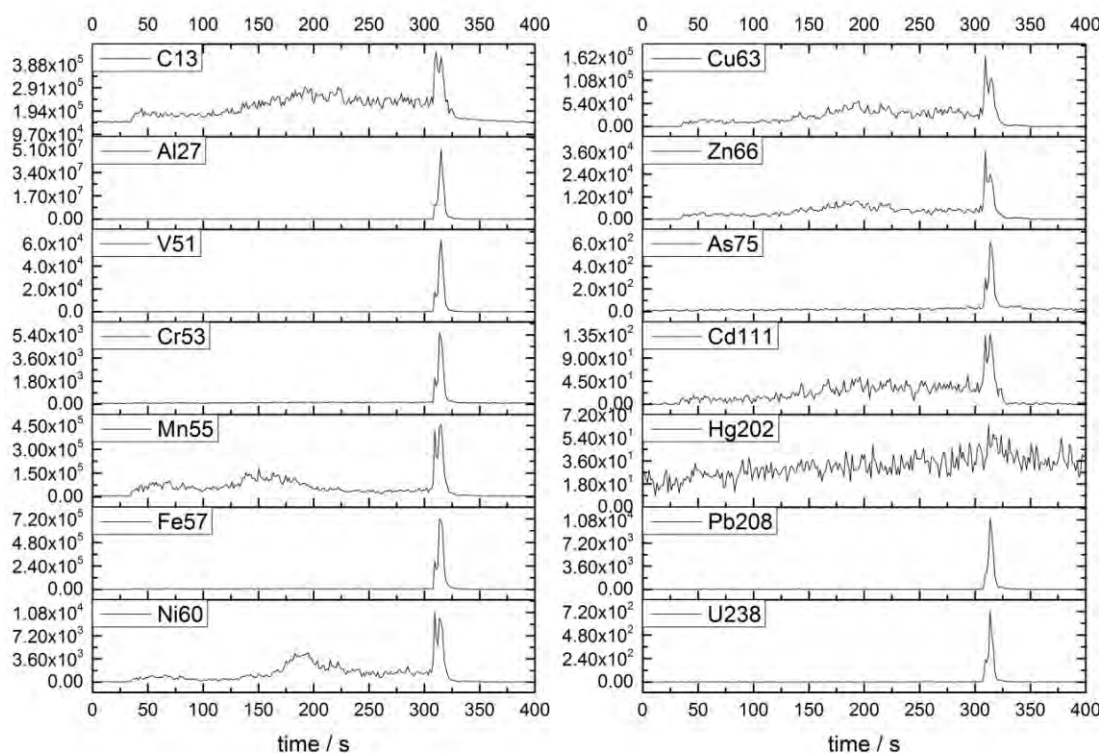
Suffolk Potato (Red King Edward) 9



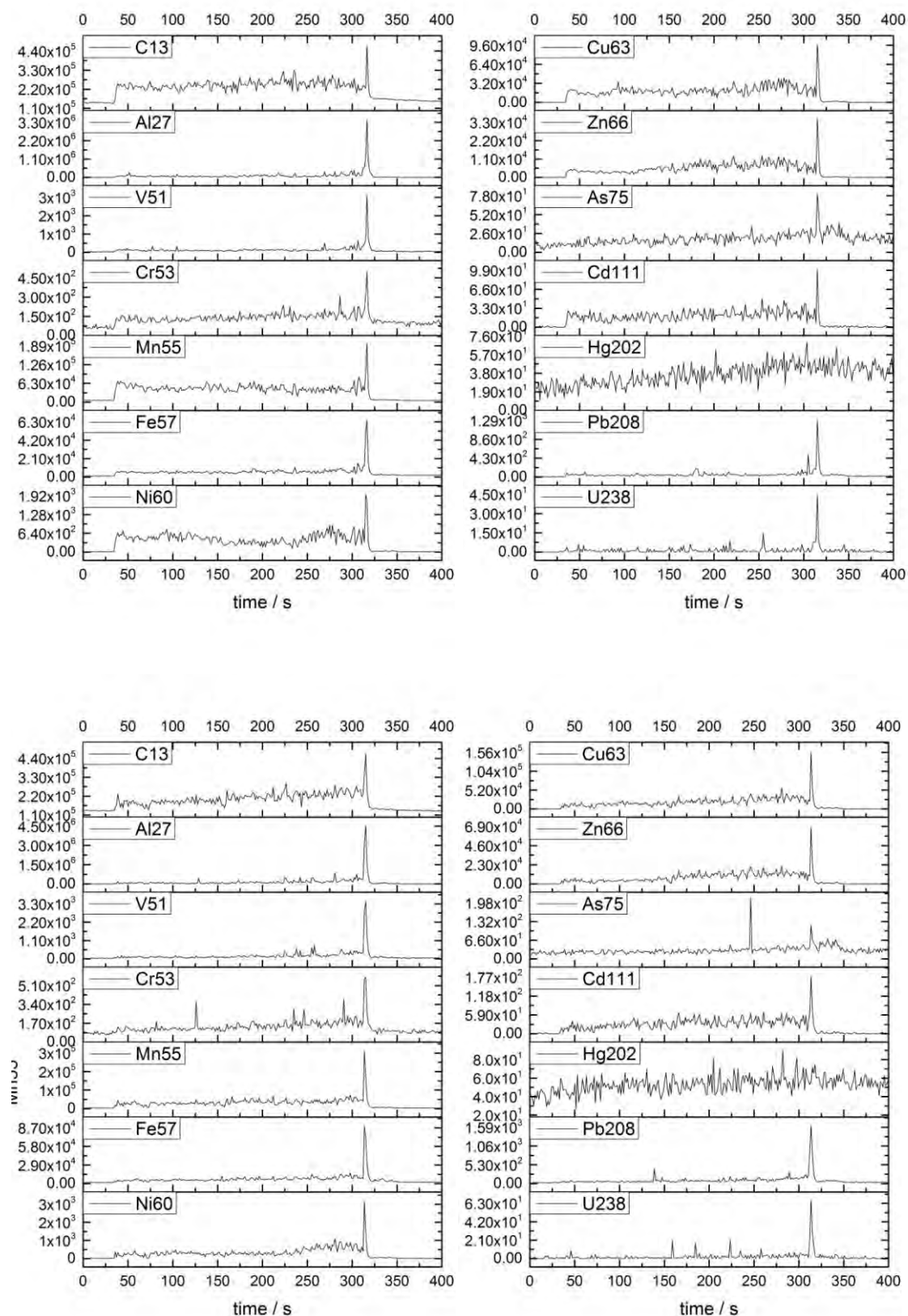
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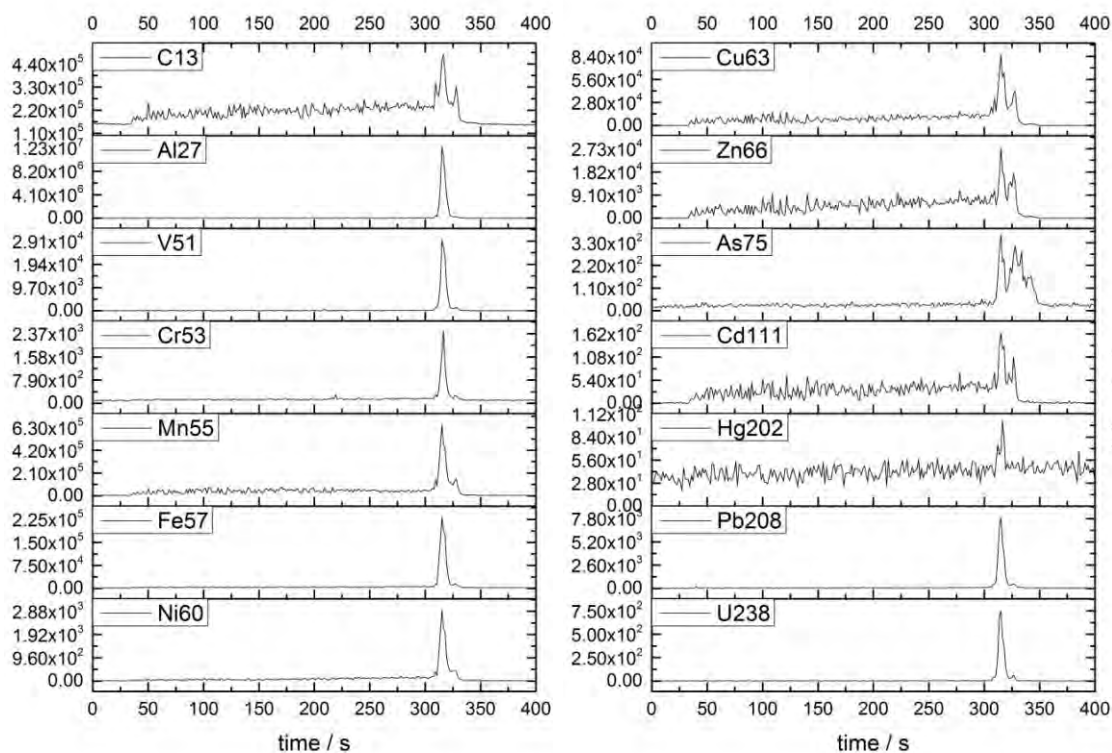
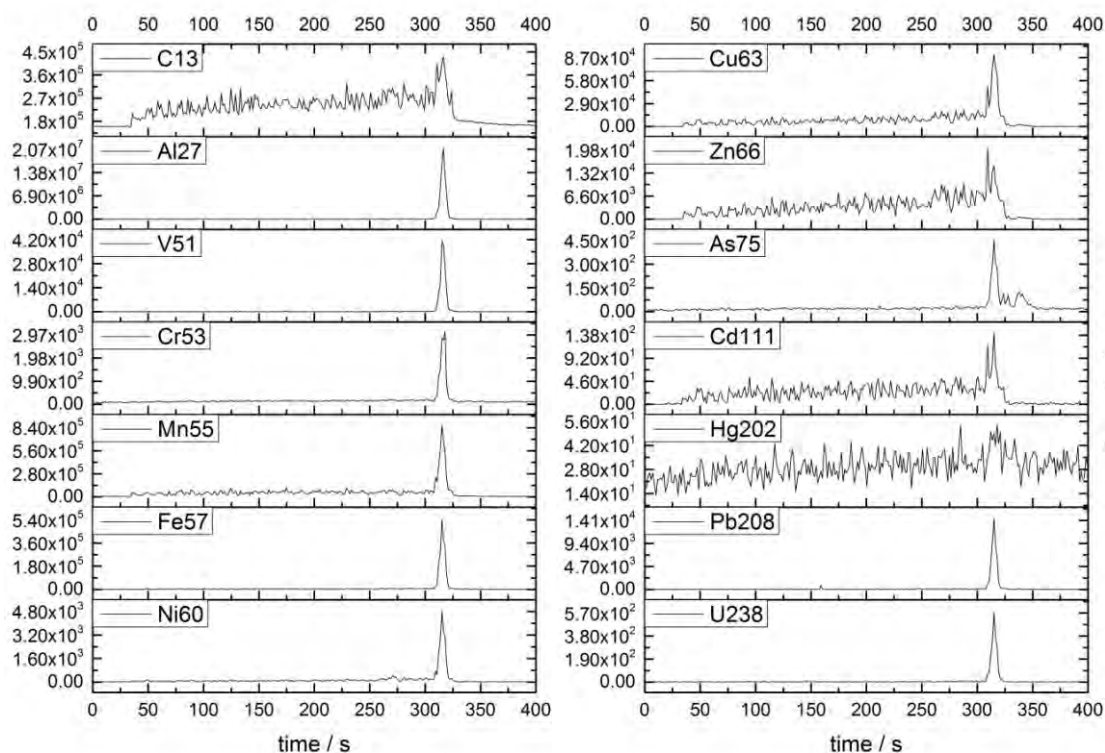
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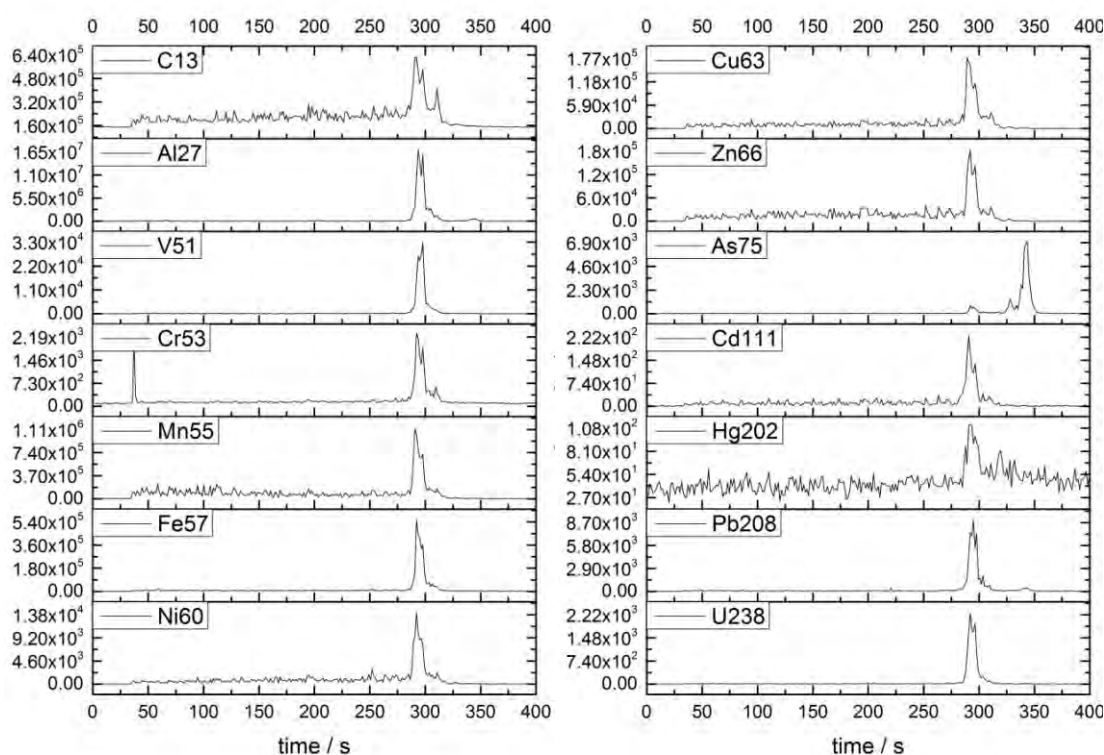
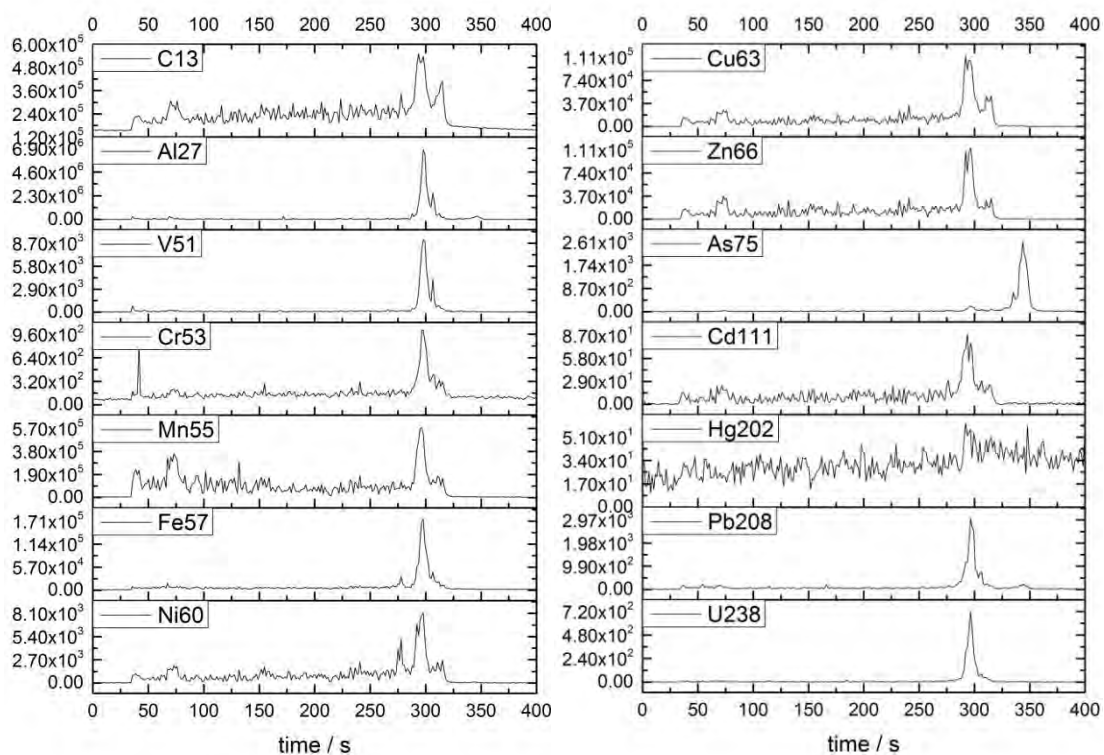
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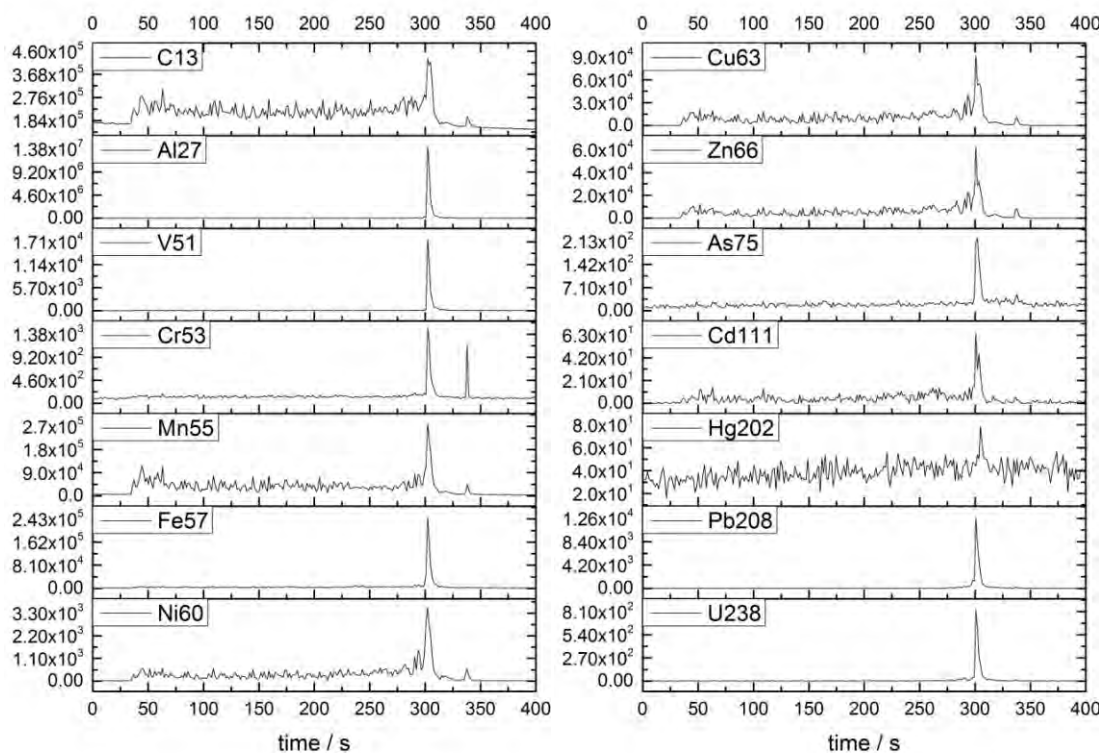
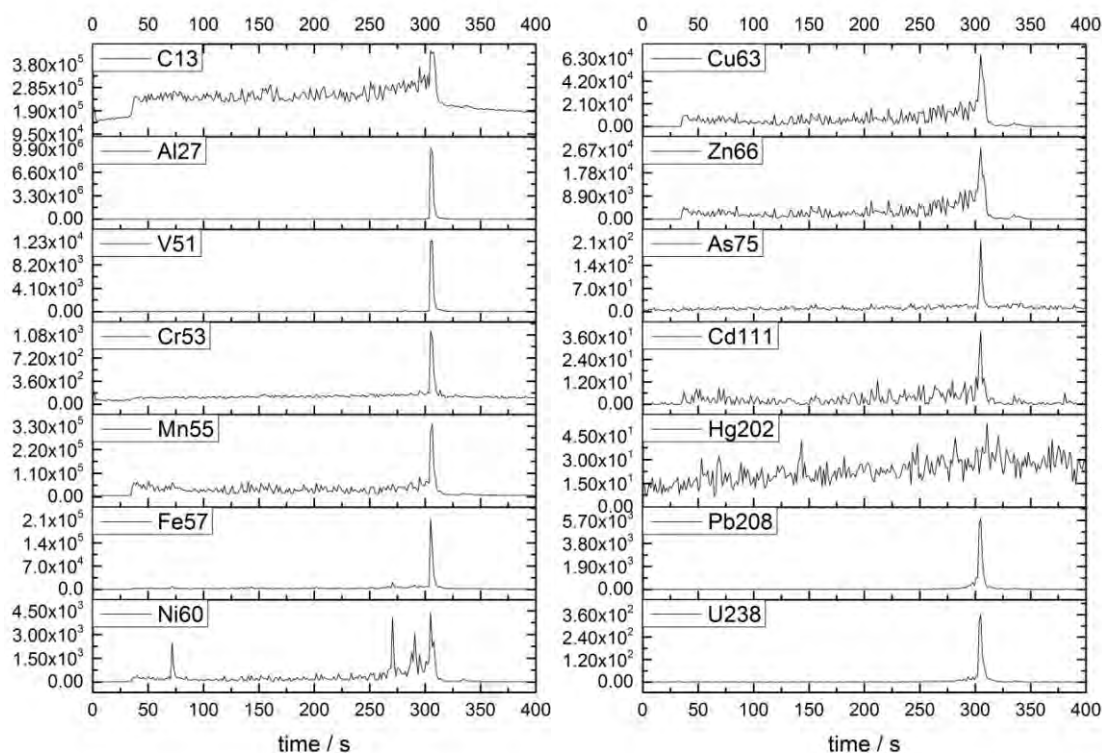
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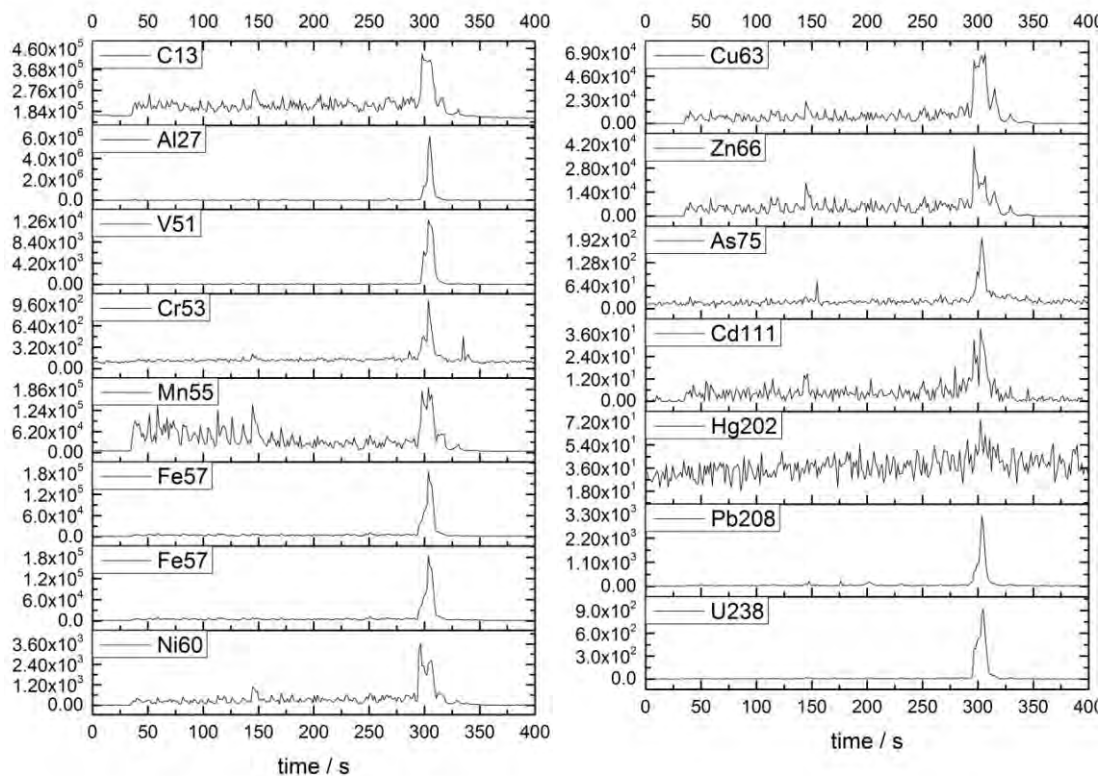
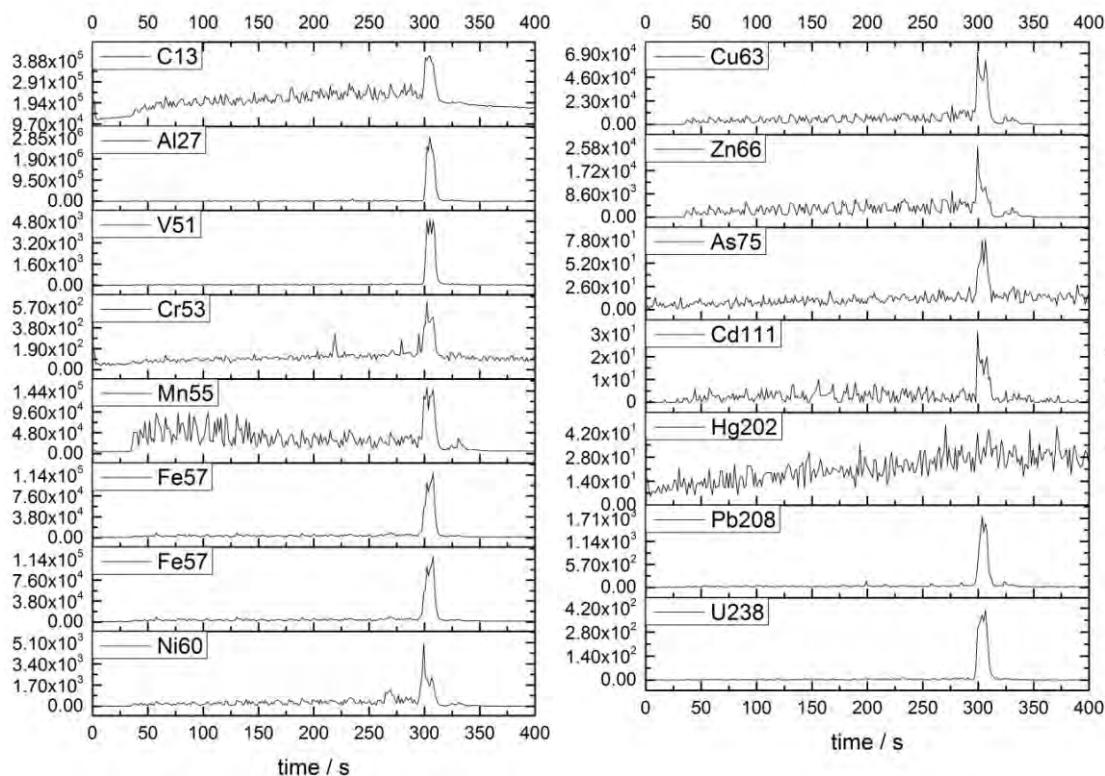
Gloucester Potato (Nicola) 5



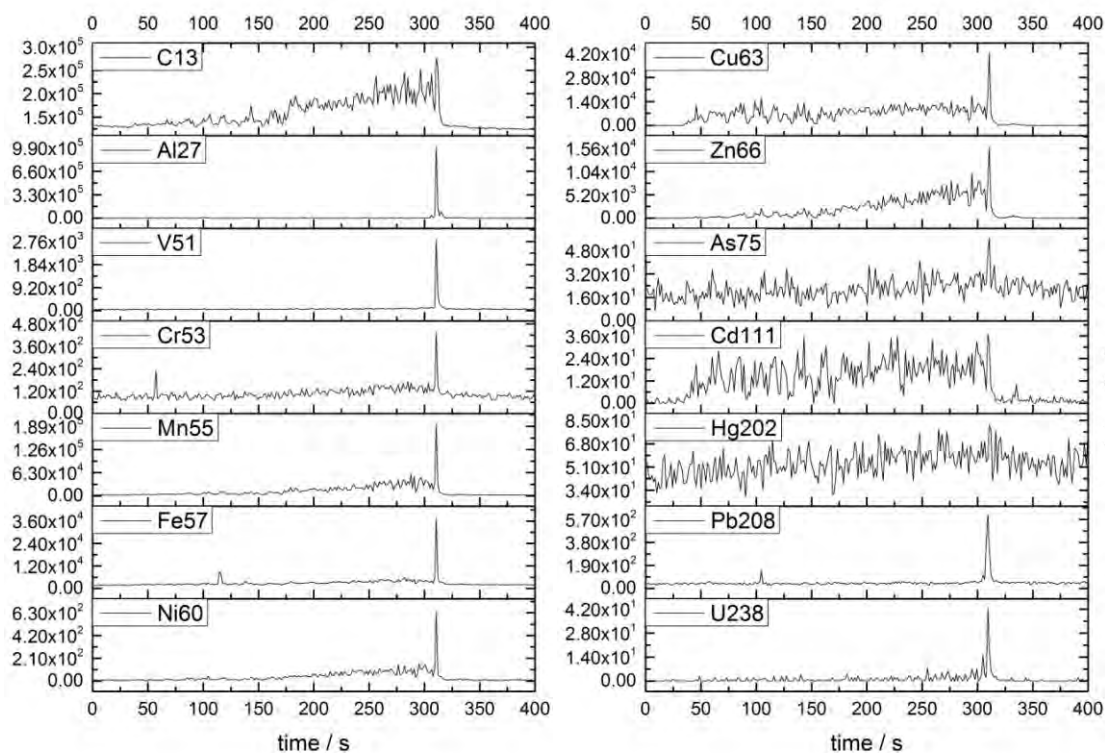
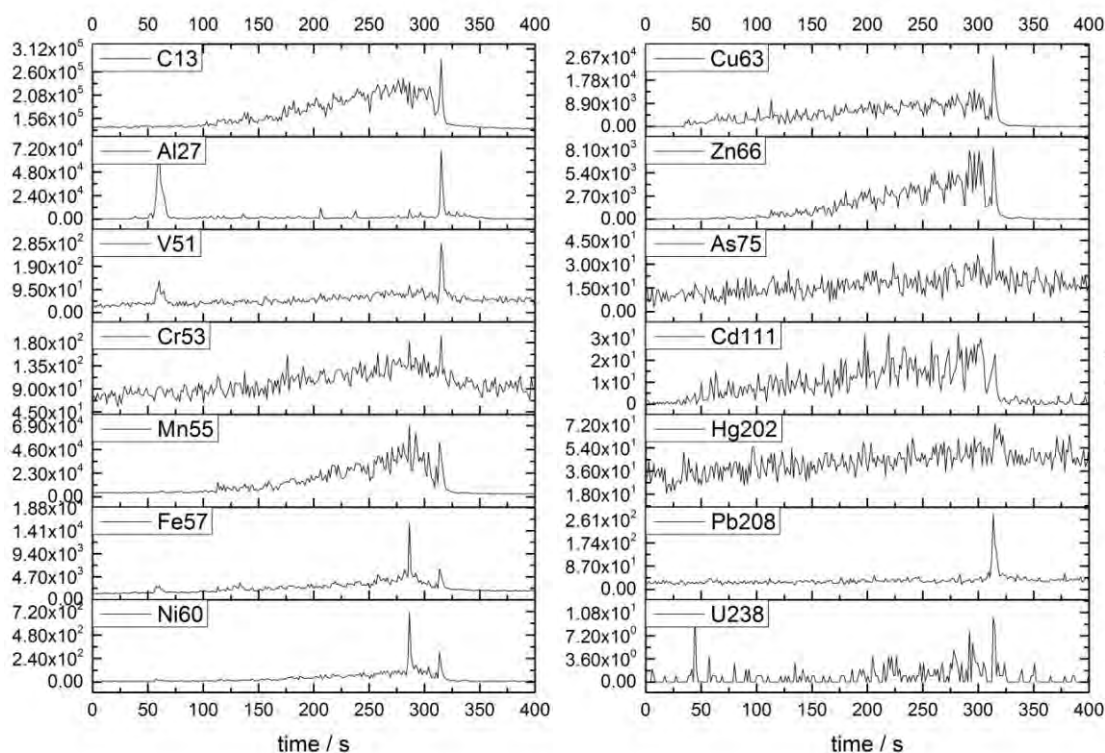
Lancashire Potato (Maris Piper) 1



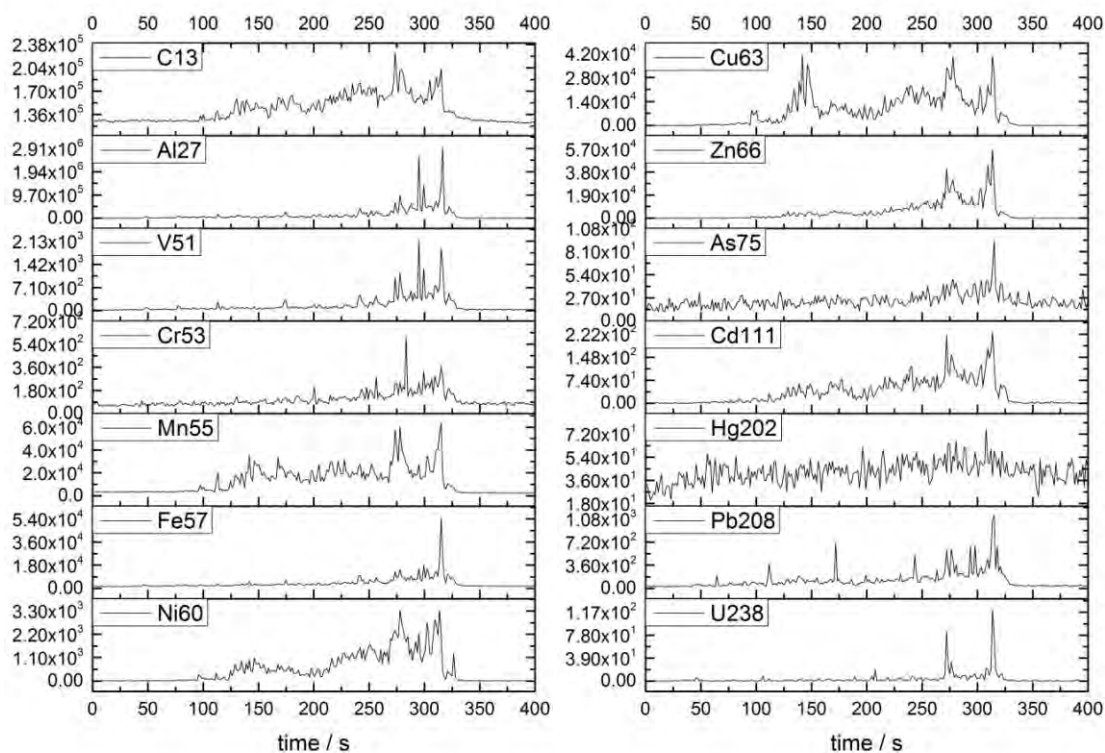
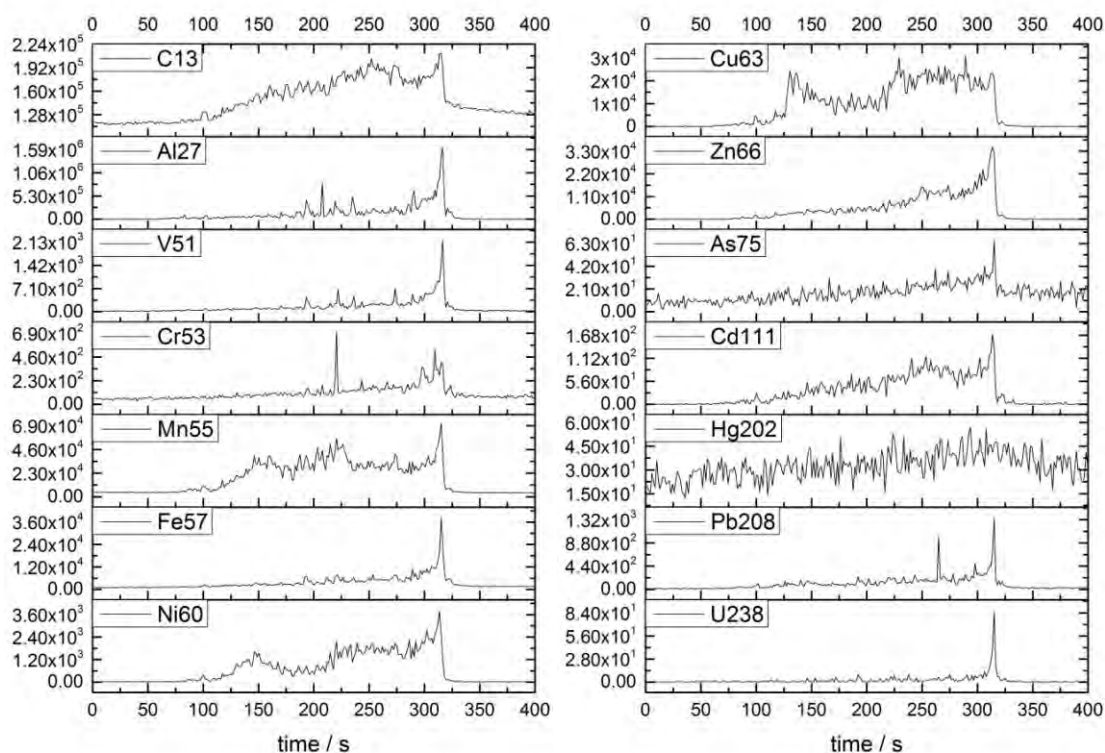
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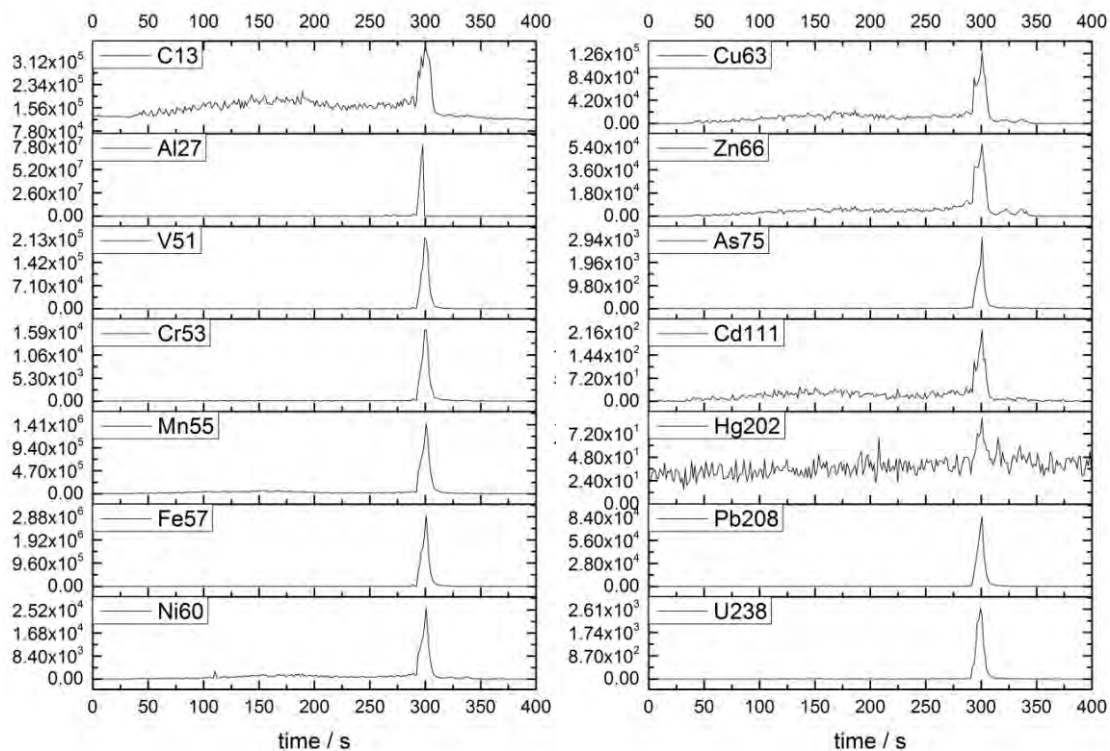
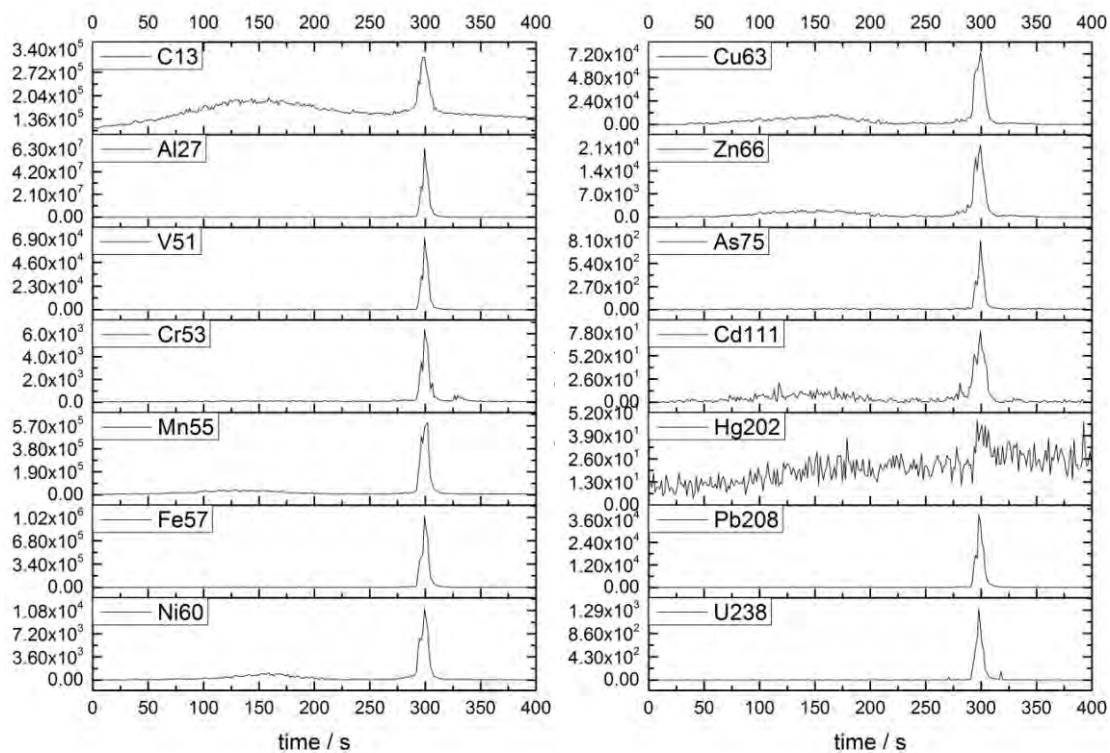
Suffolk Potato (Red King Edward) 8



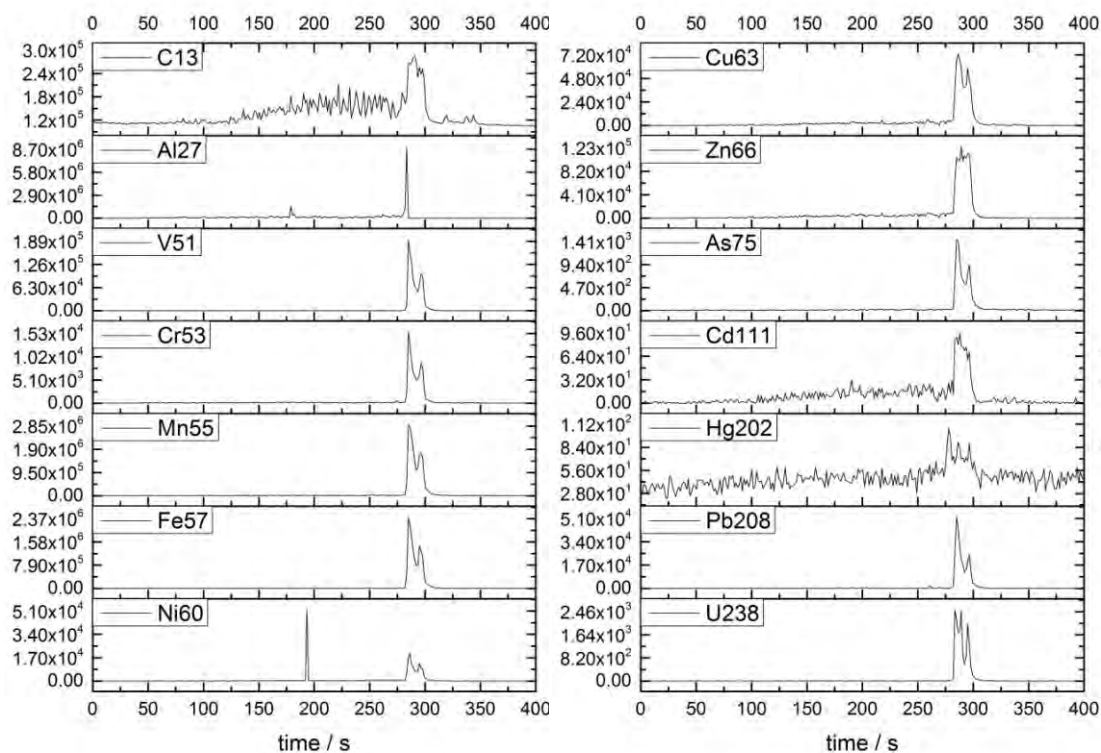
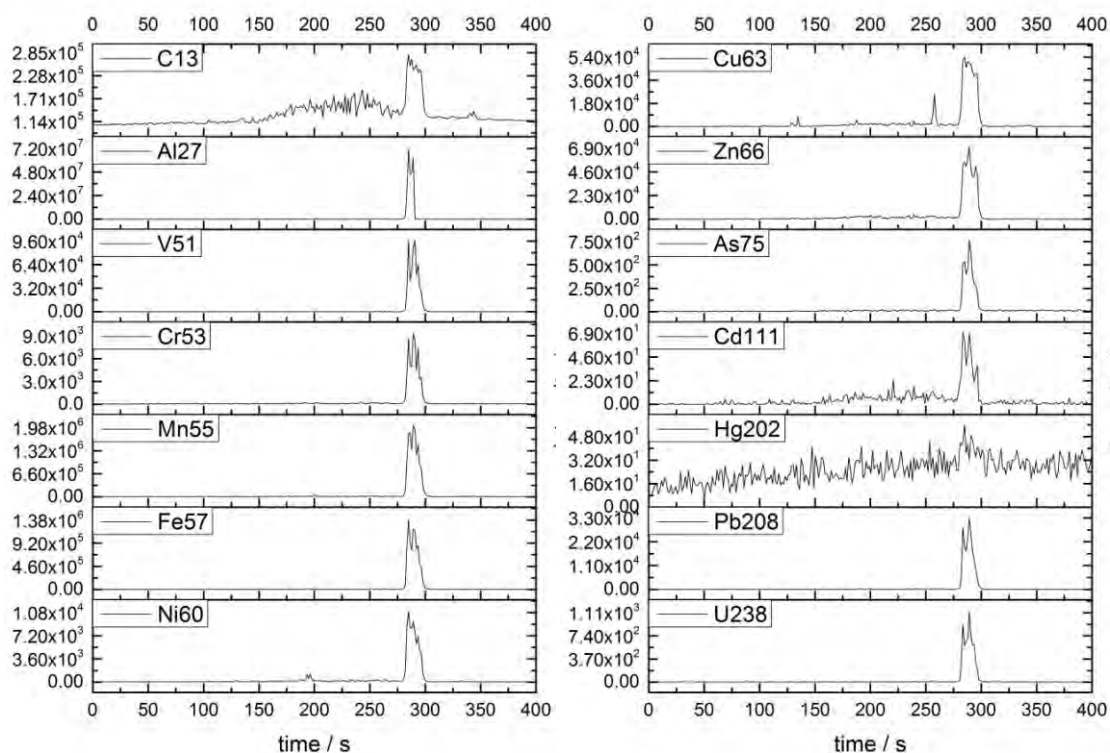
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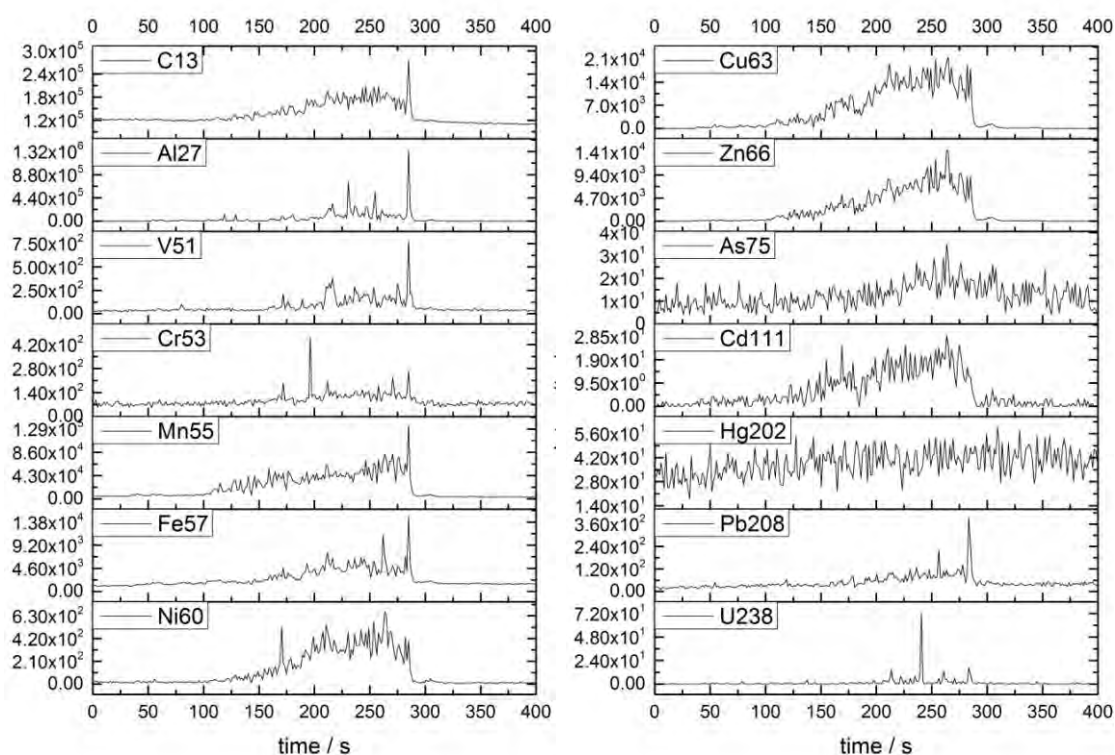
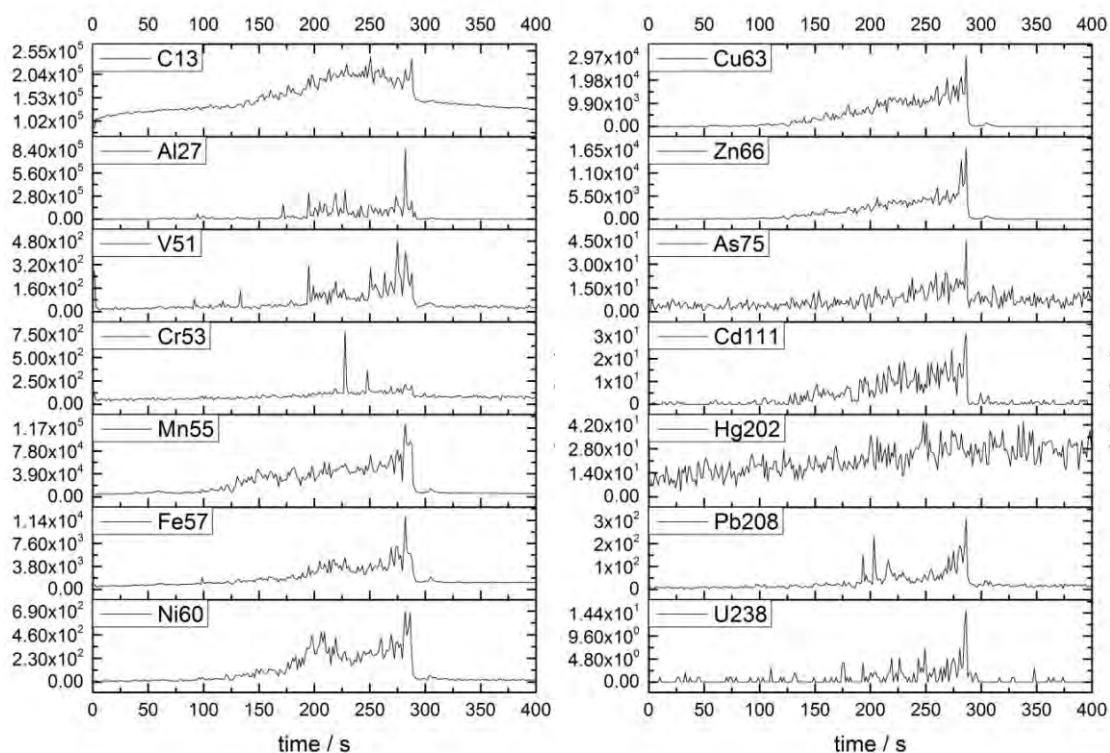
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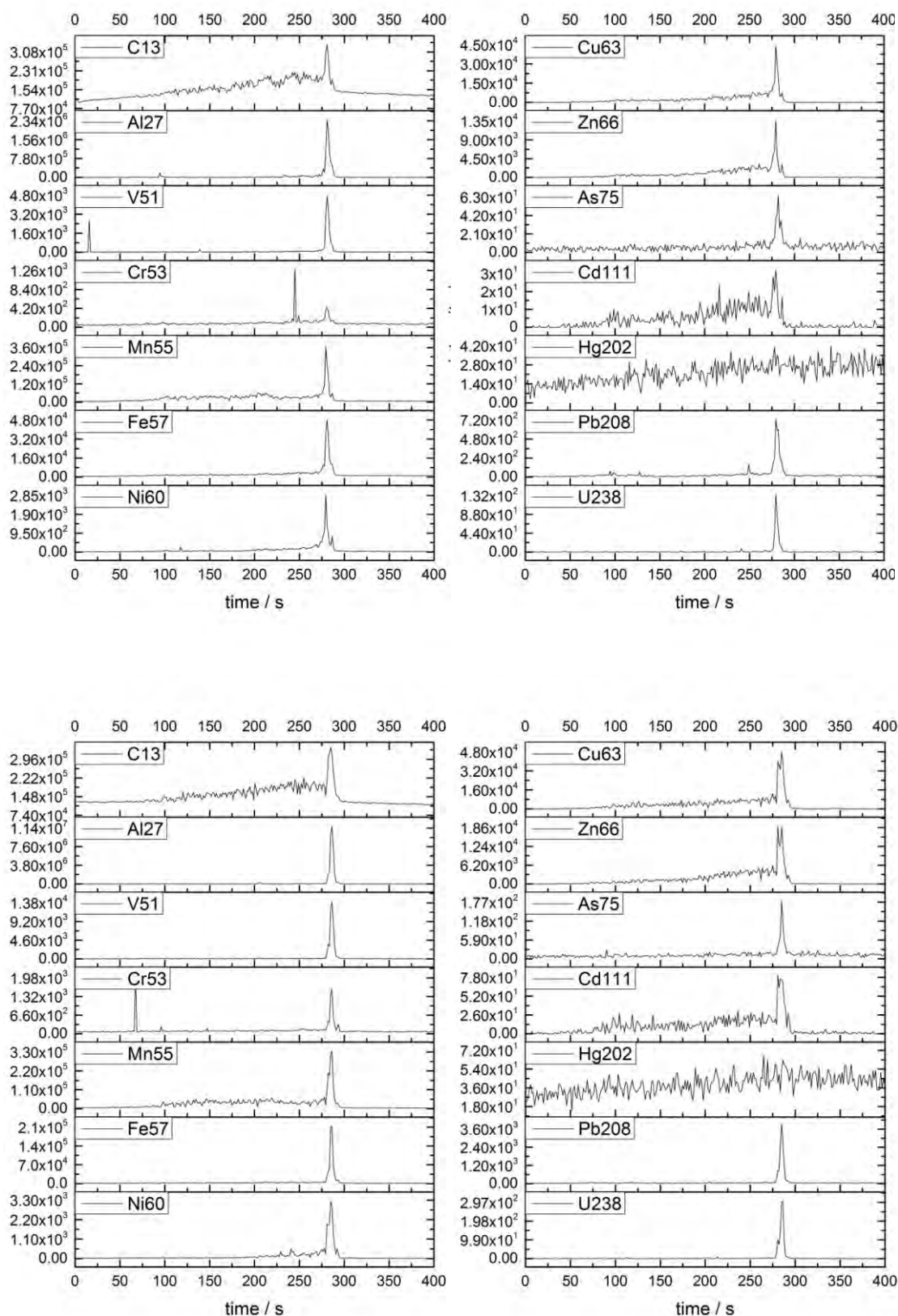
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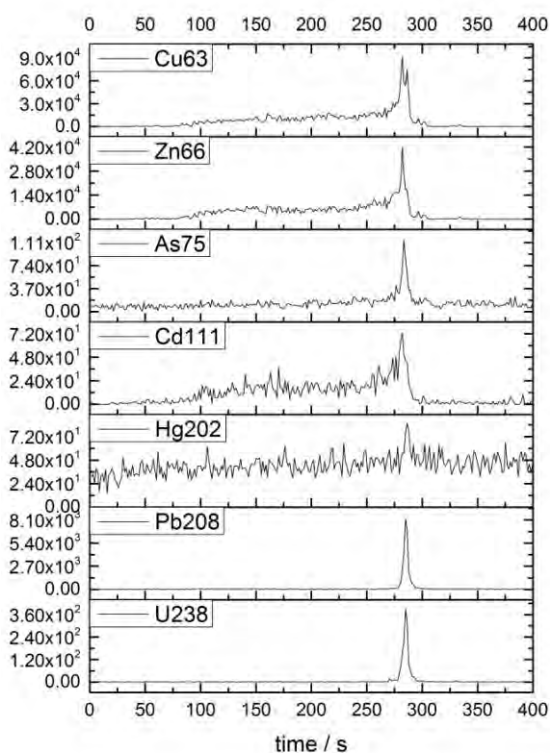
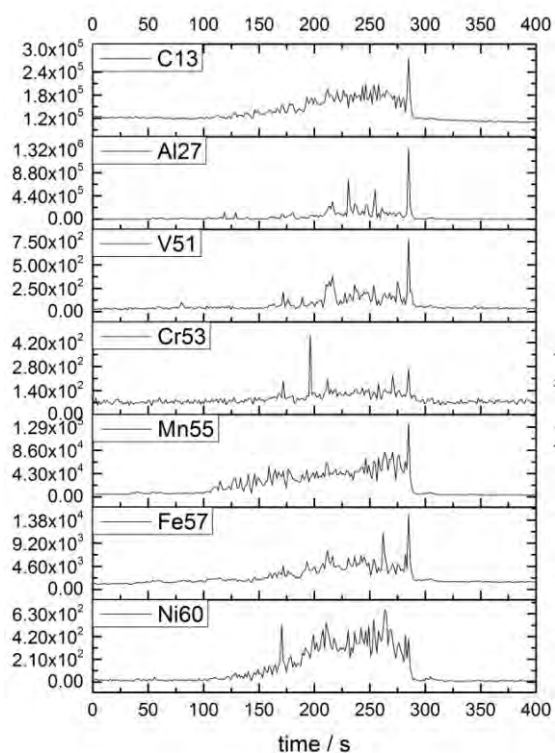
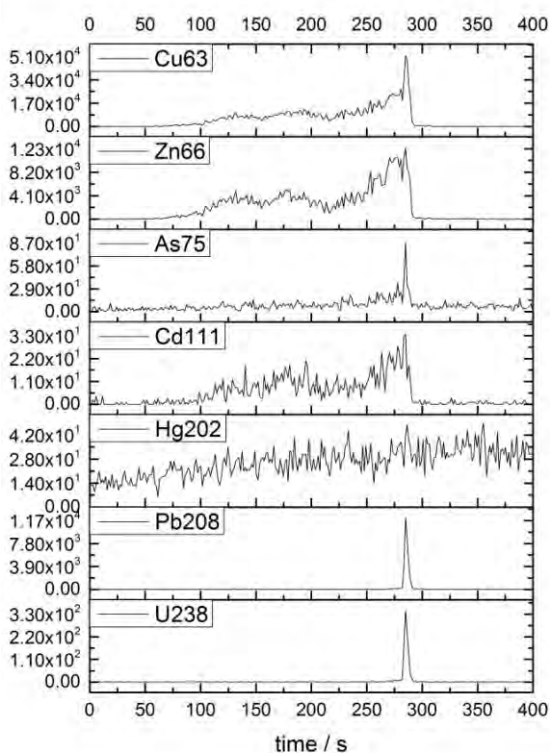
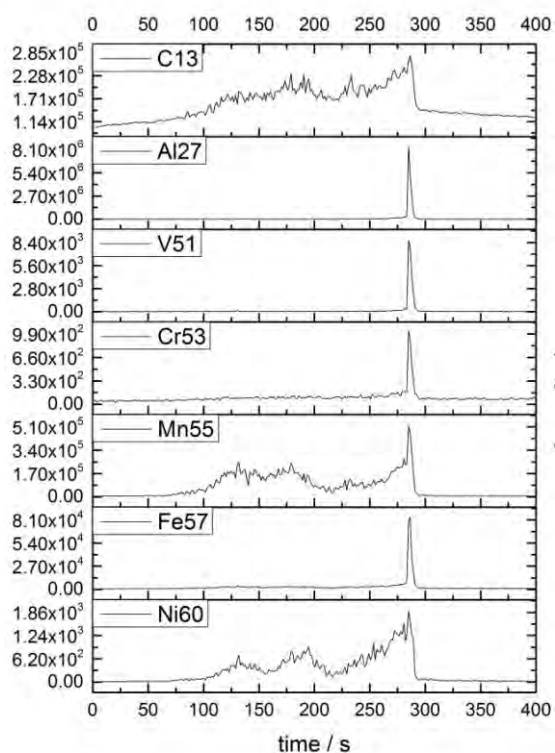
Wales Potato (Maris Piper) 3



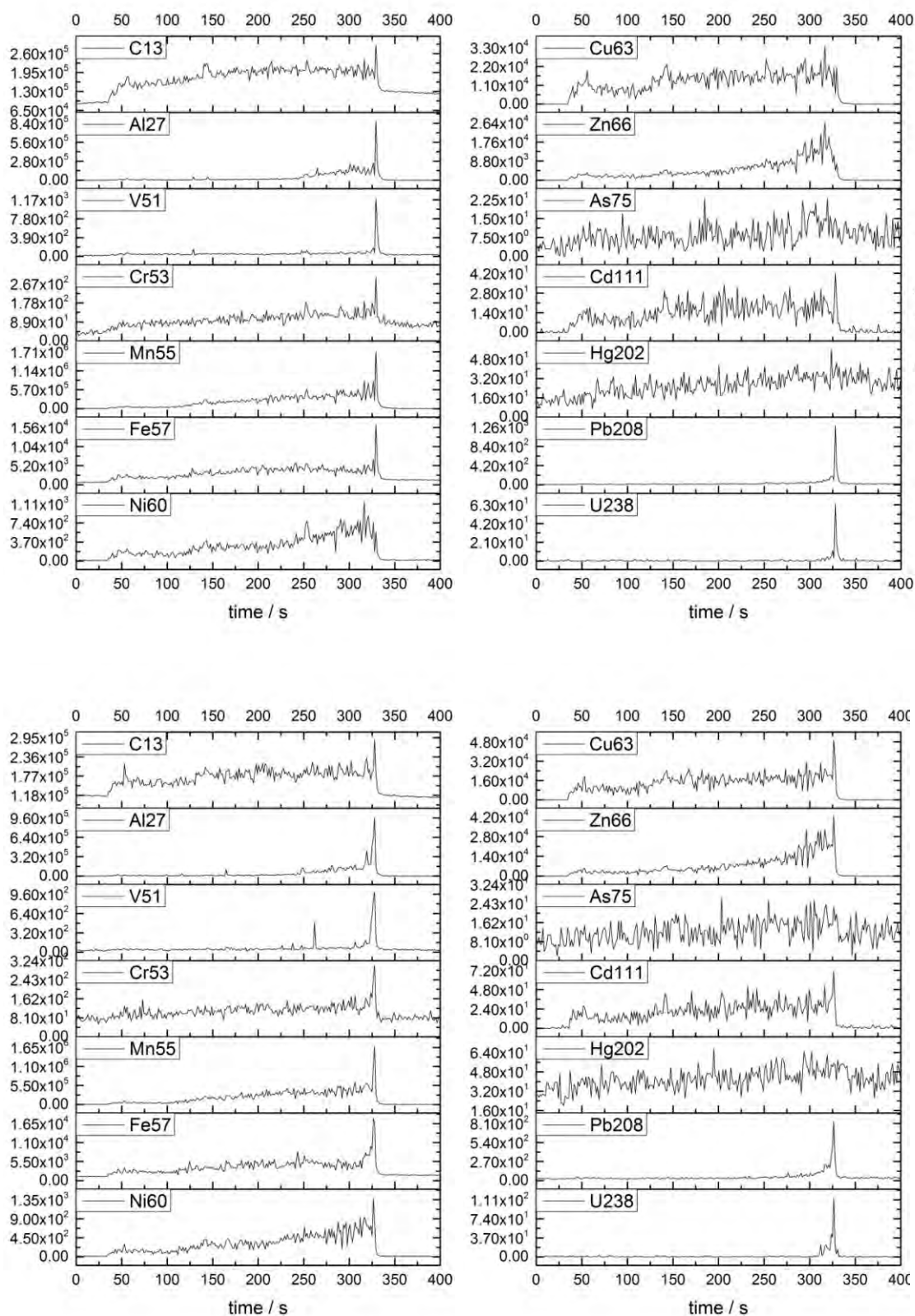
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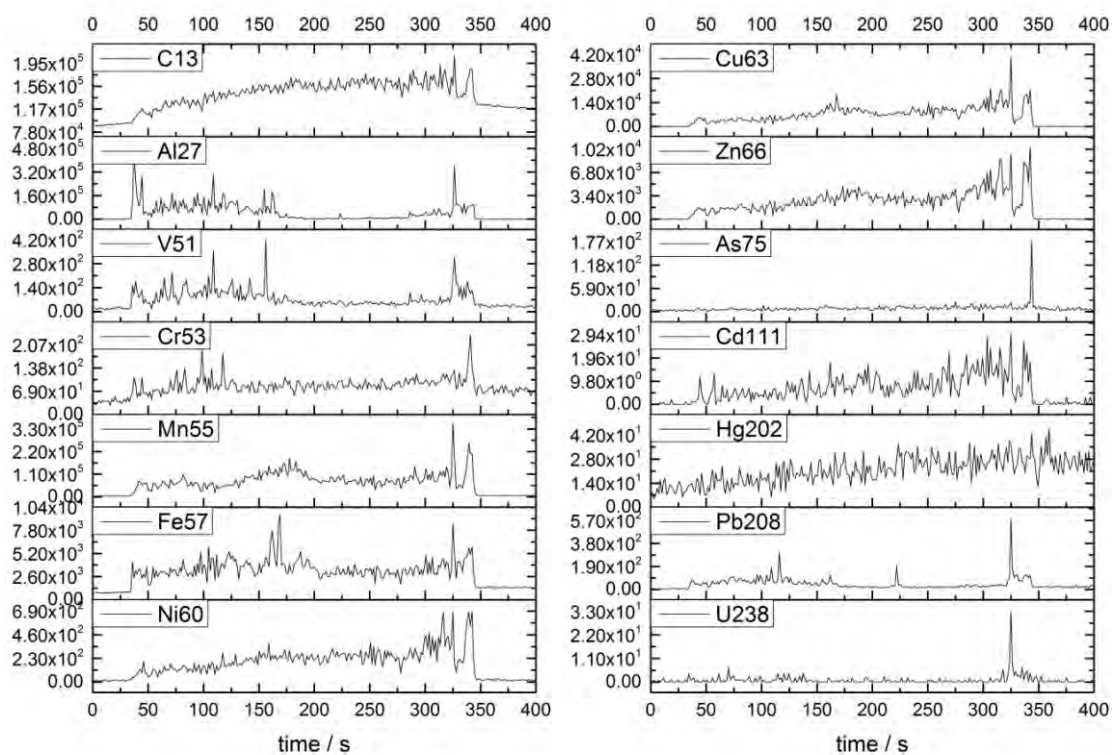
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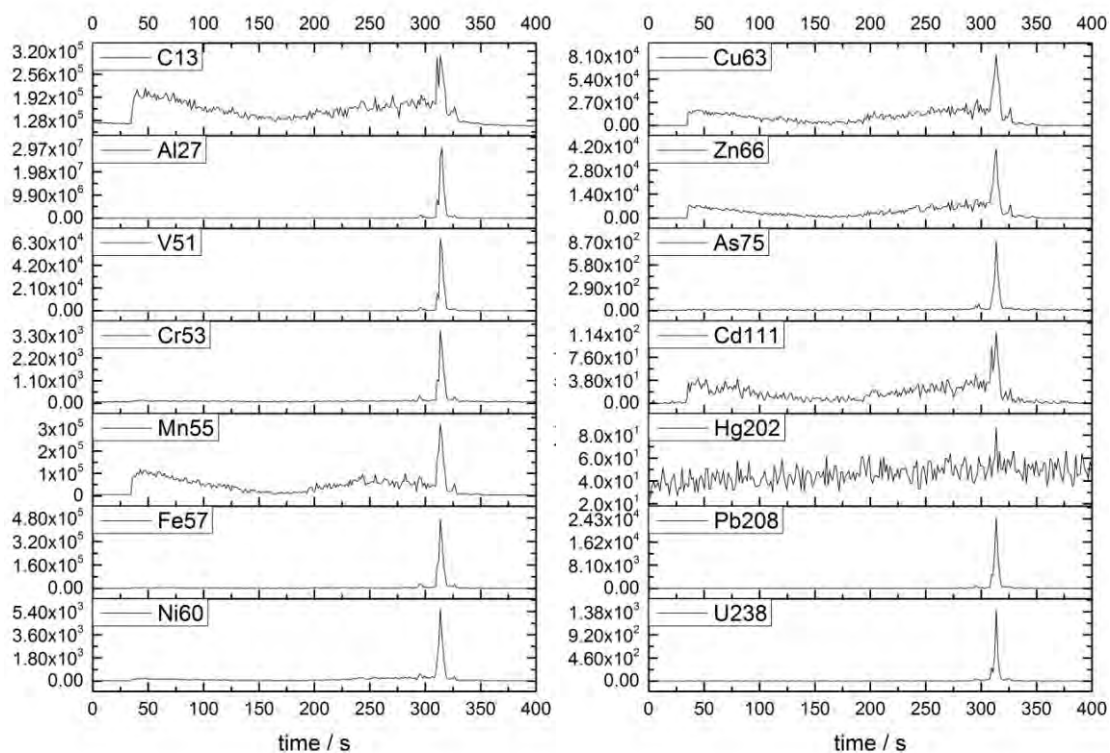
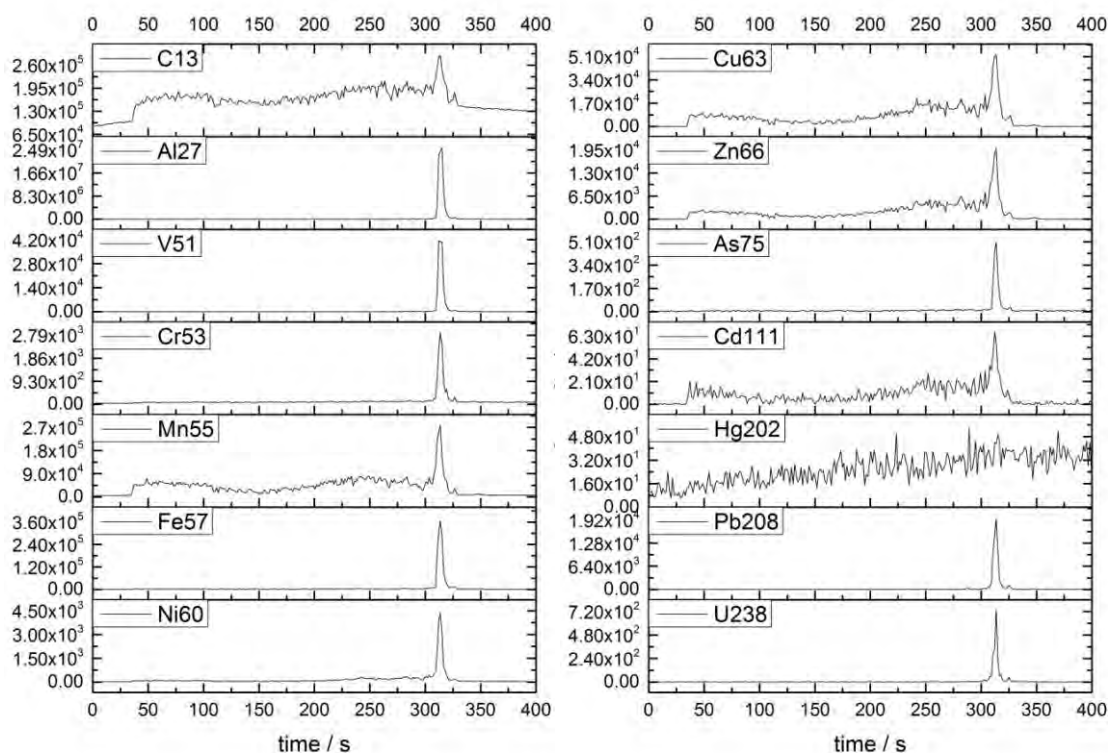
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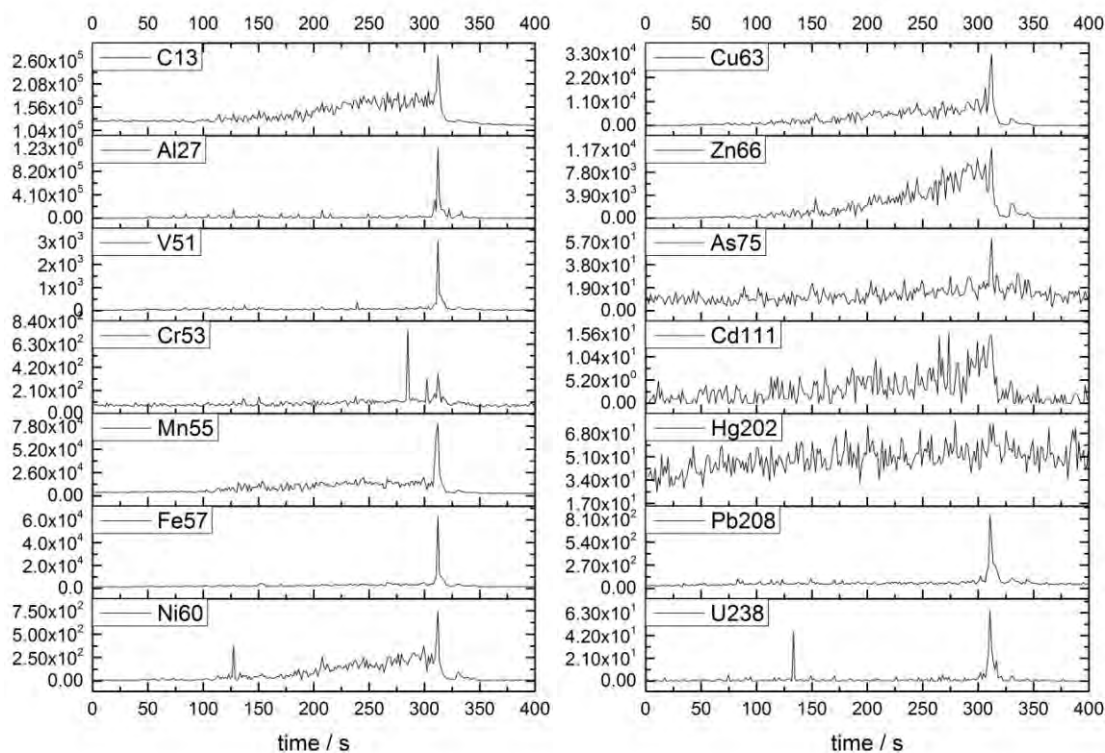
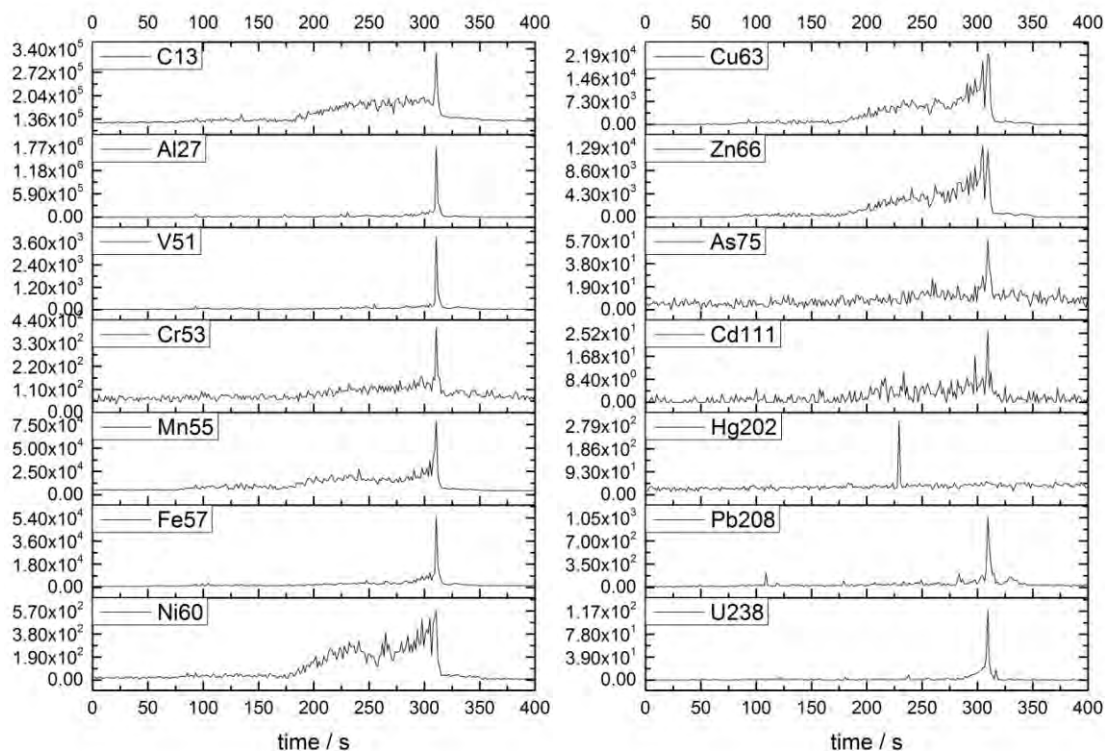
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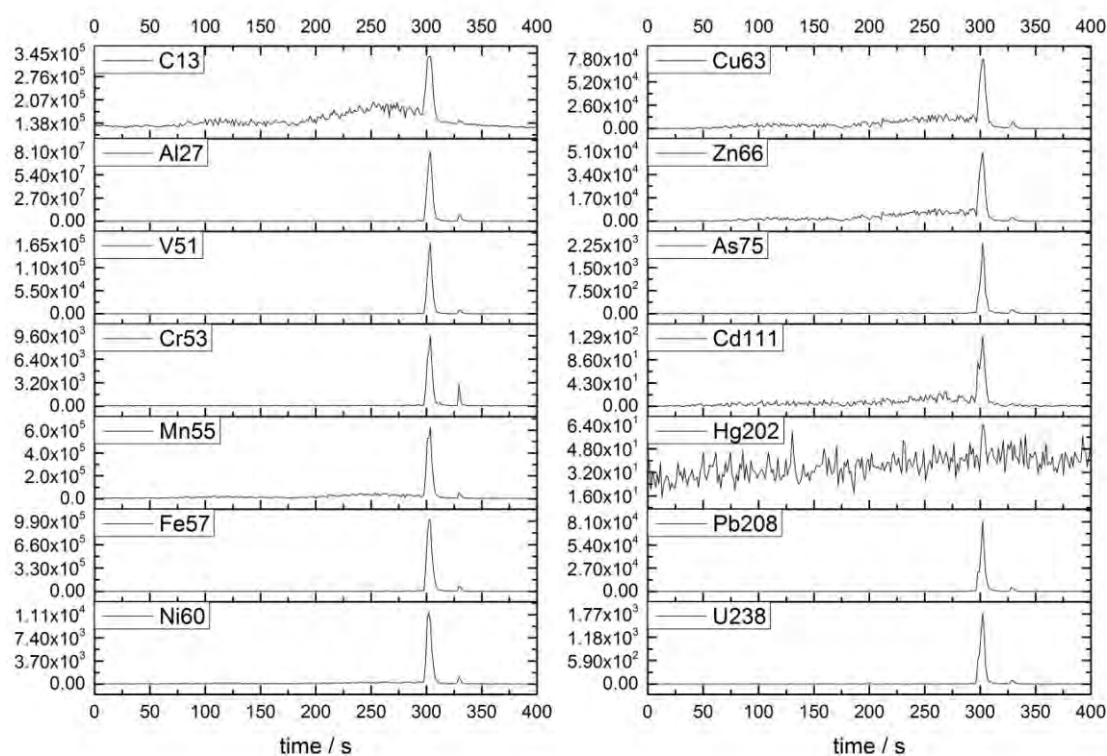
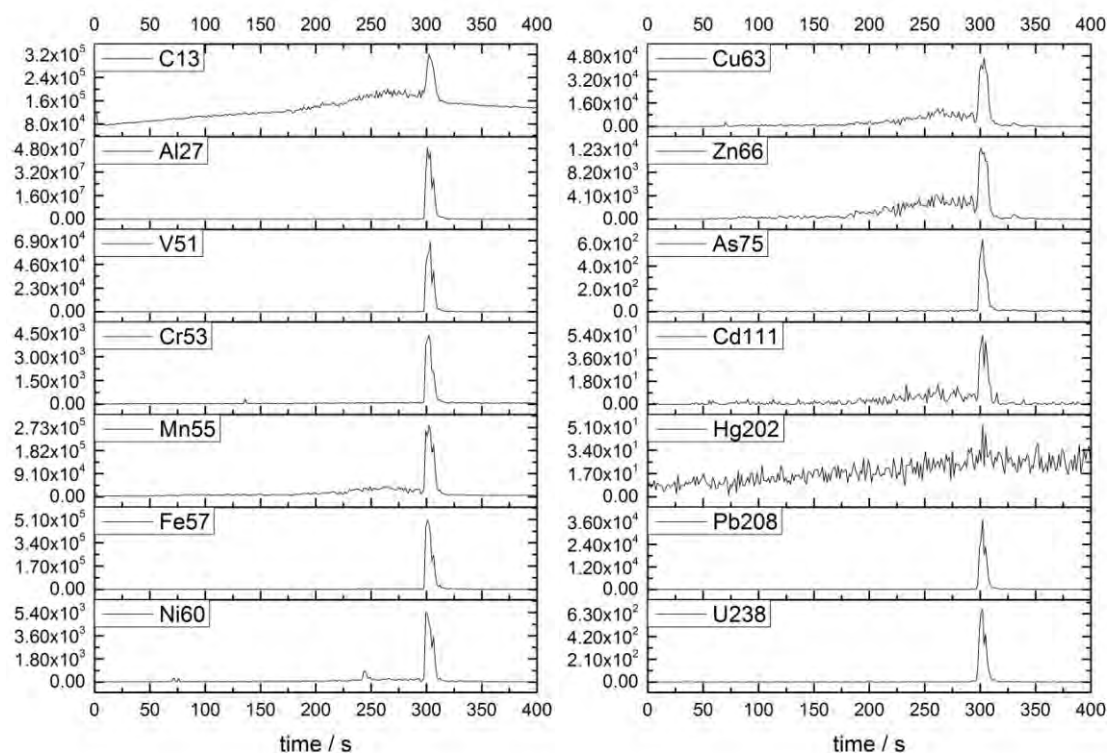
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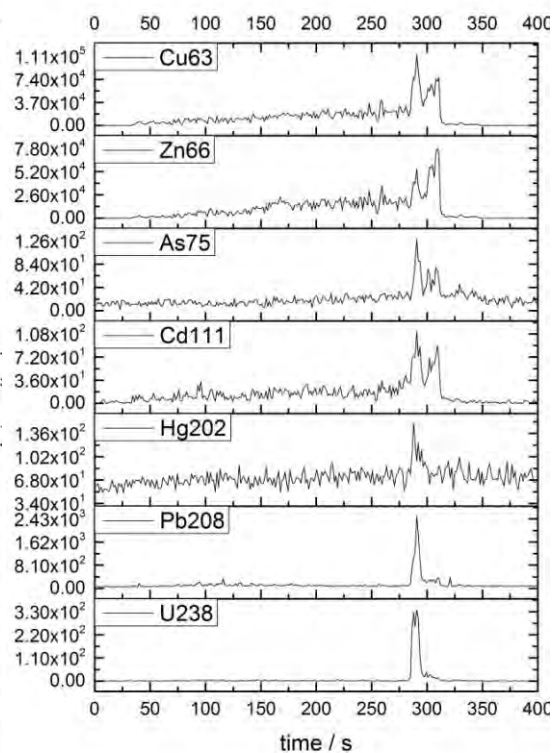
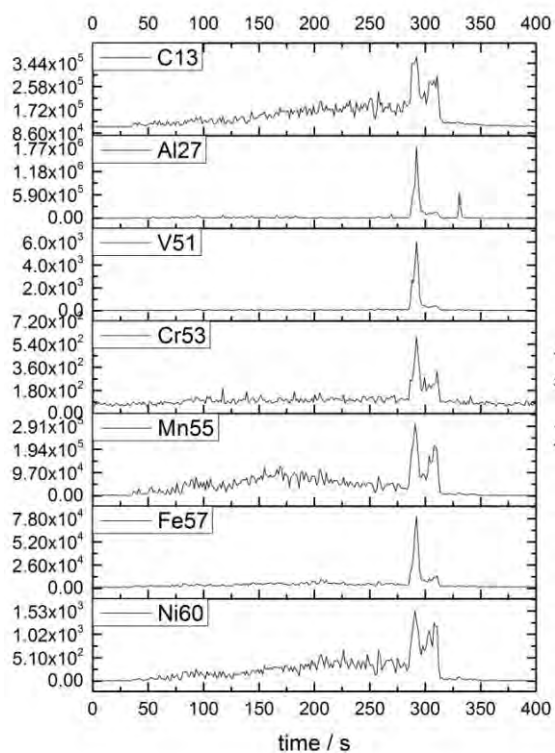
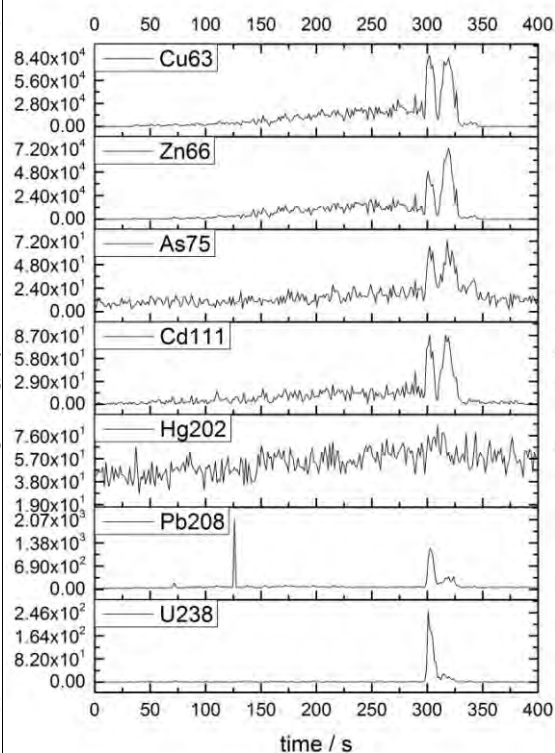
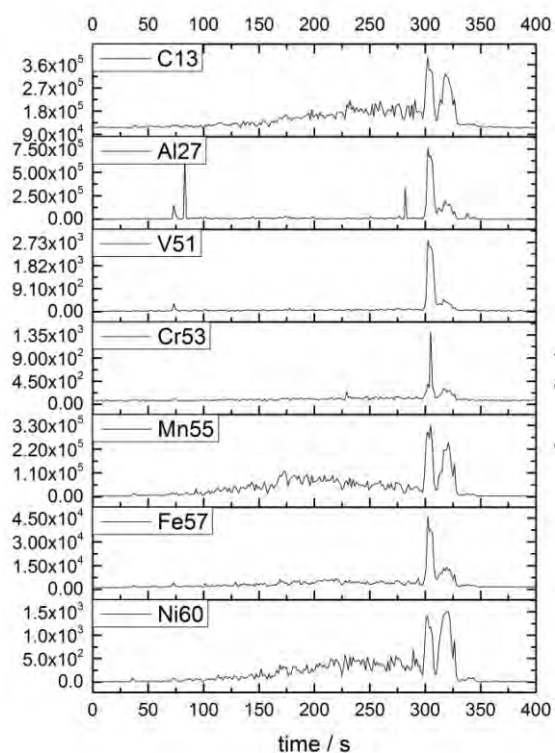
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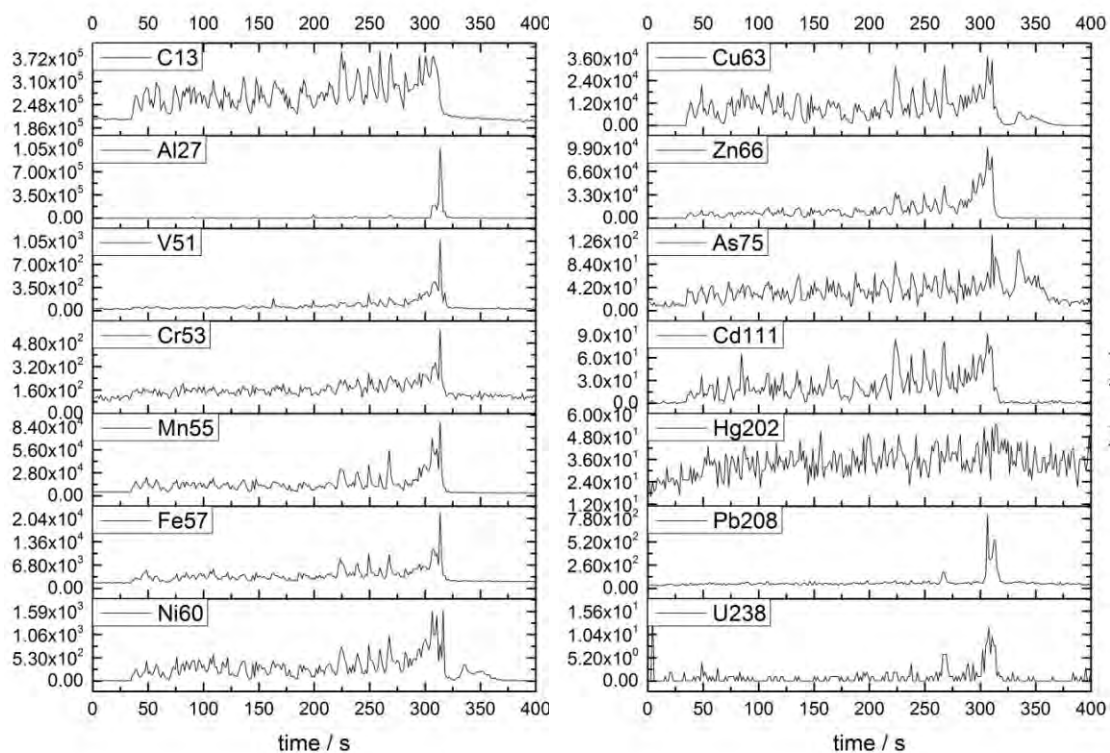
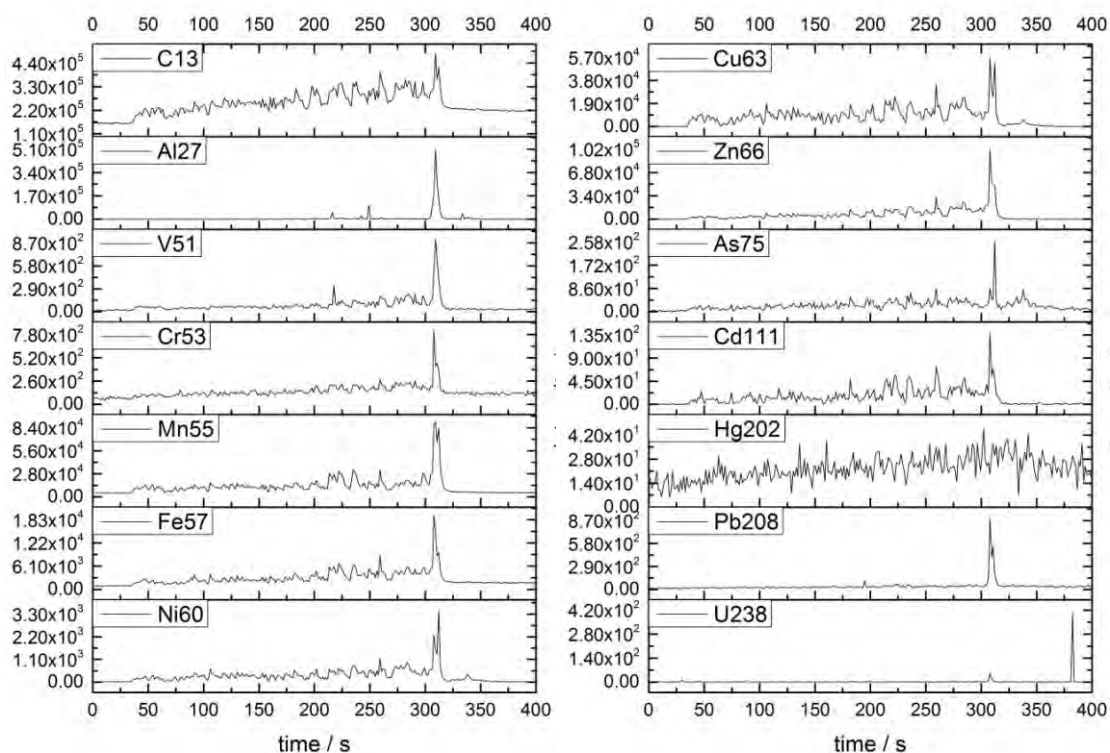
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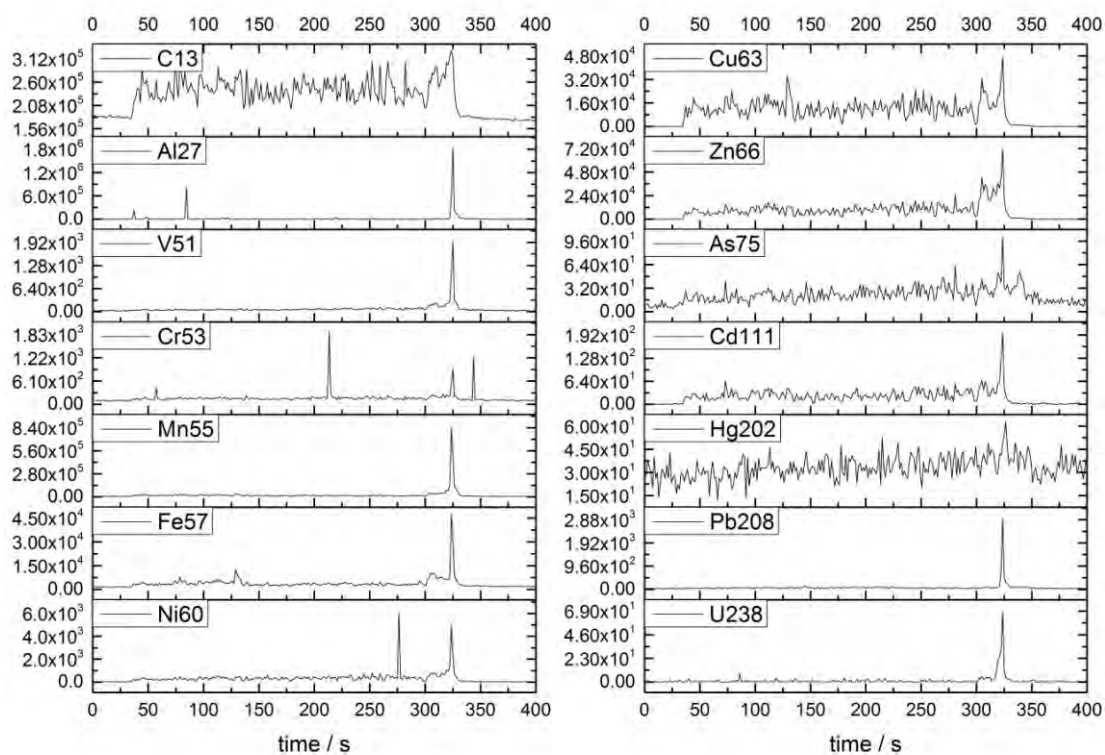
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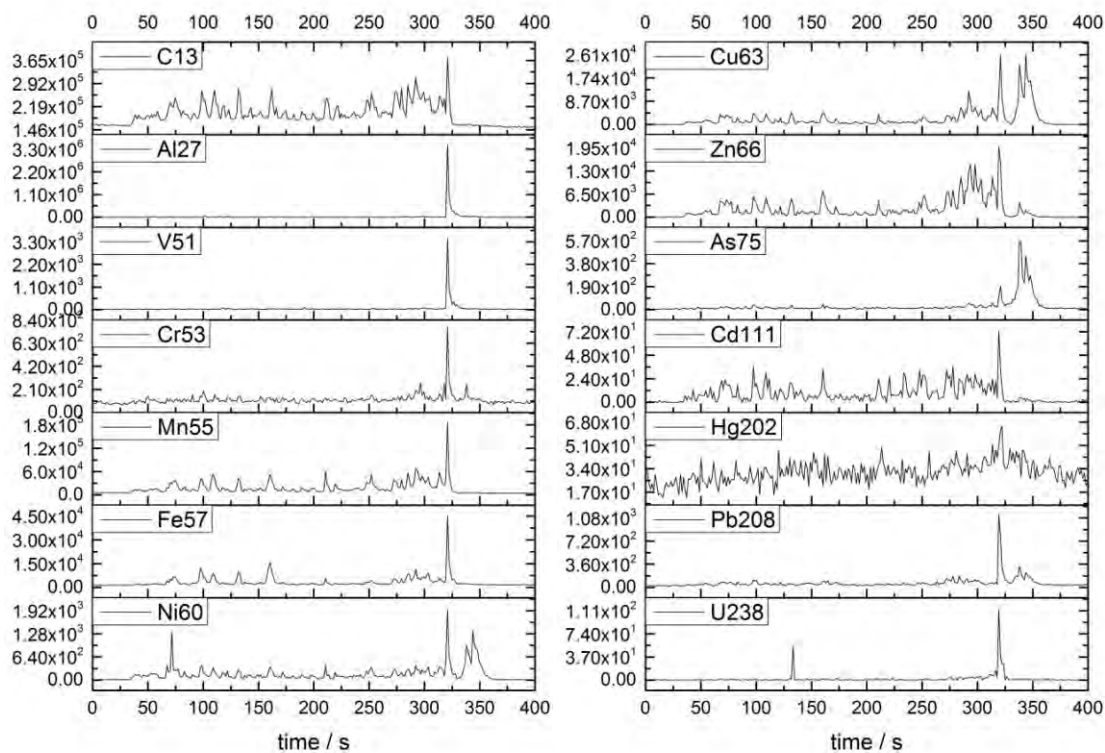


Lancashire Turnip 1

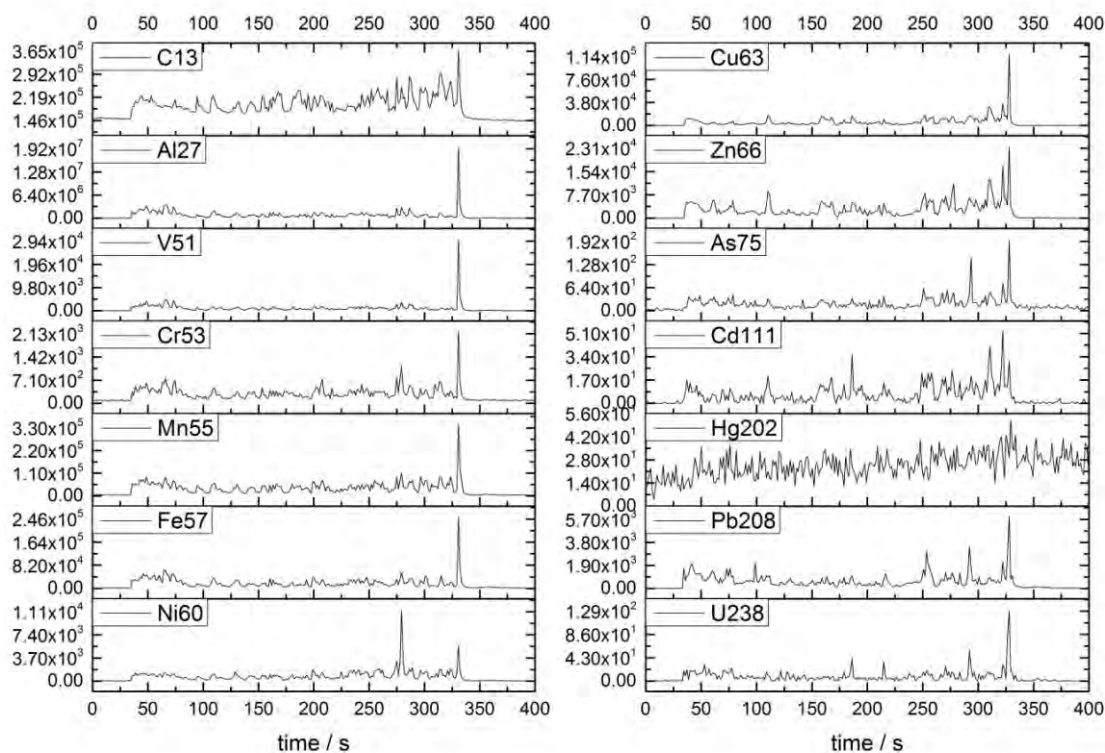
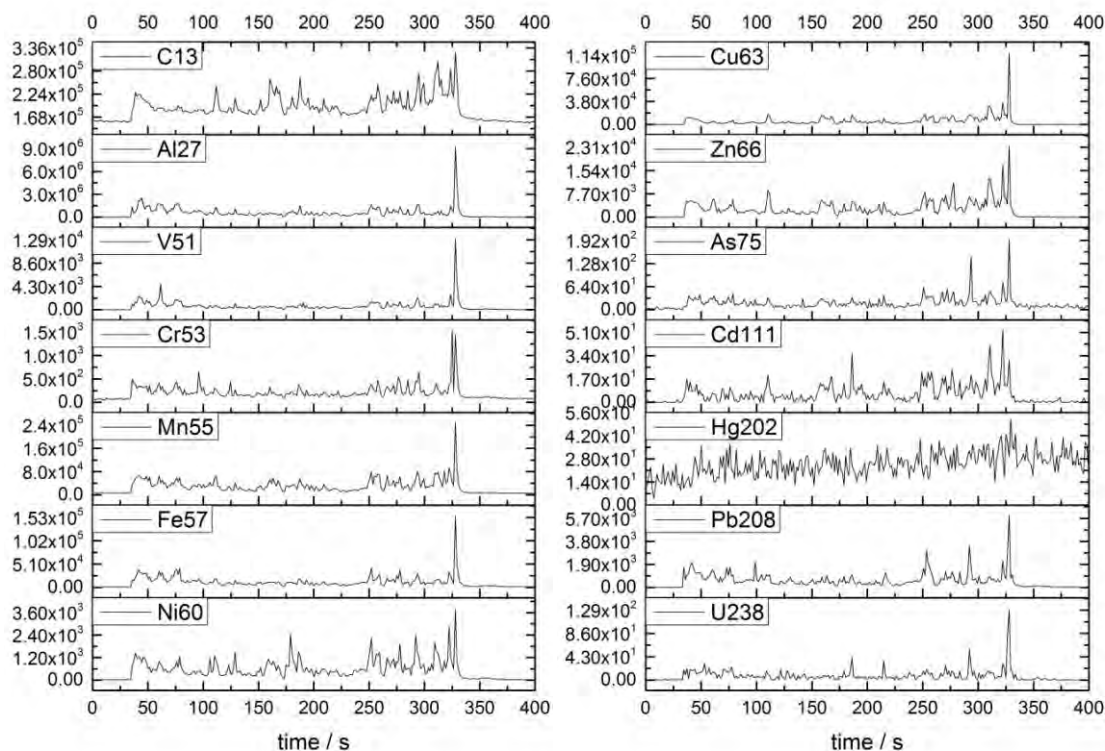


Lancashire Turnip 2

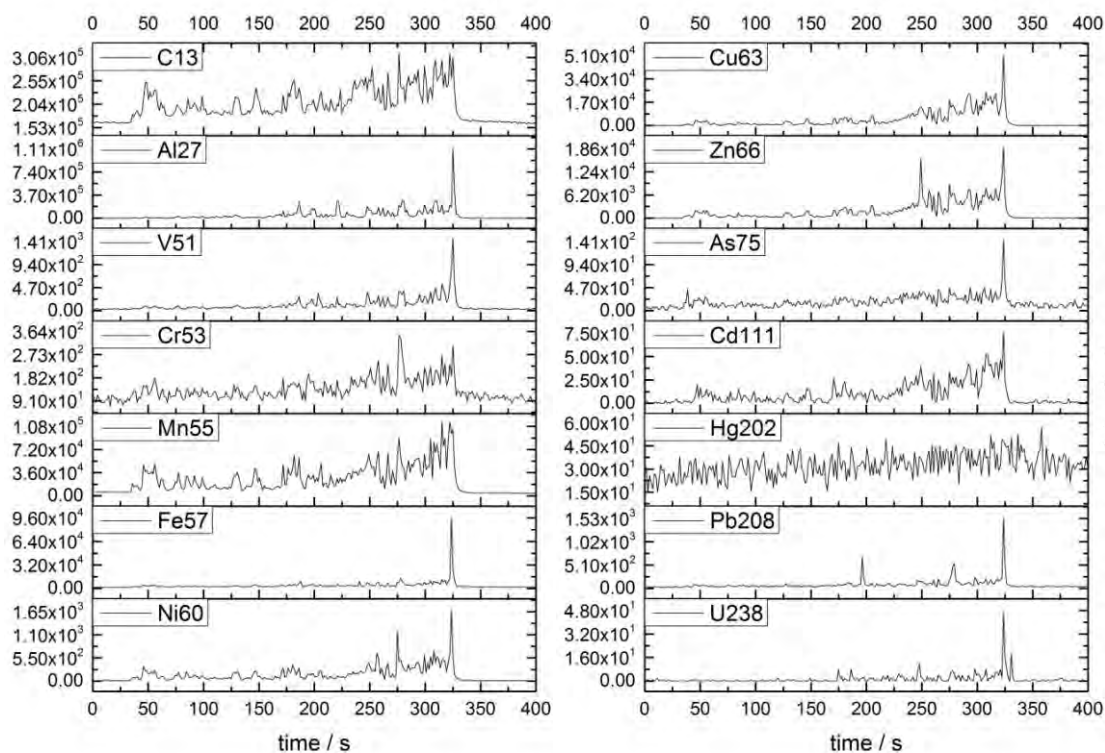
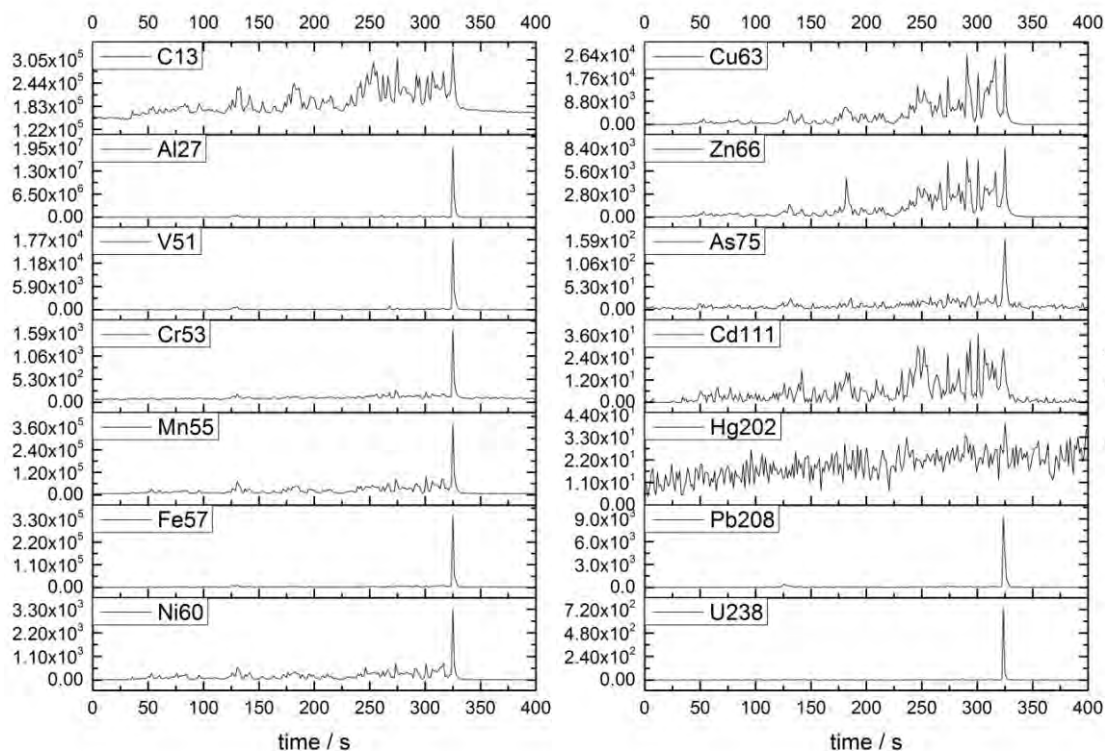




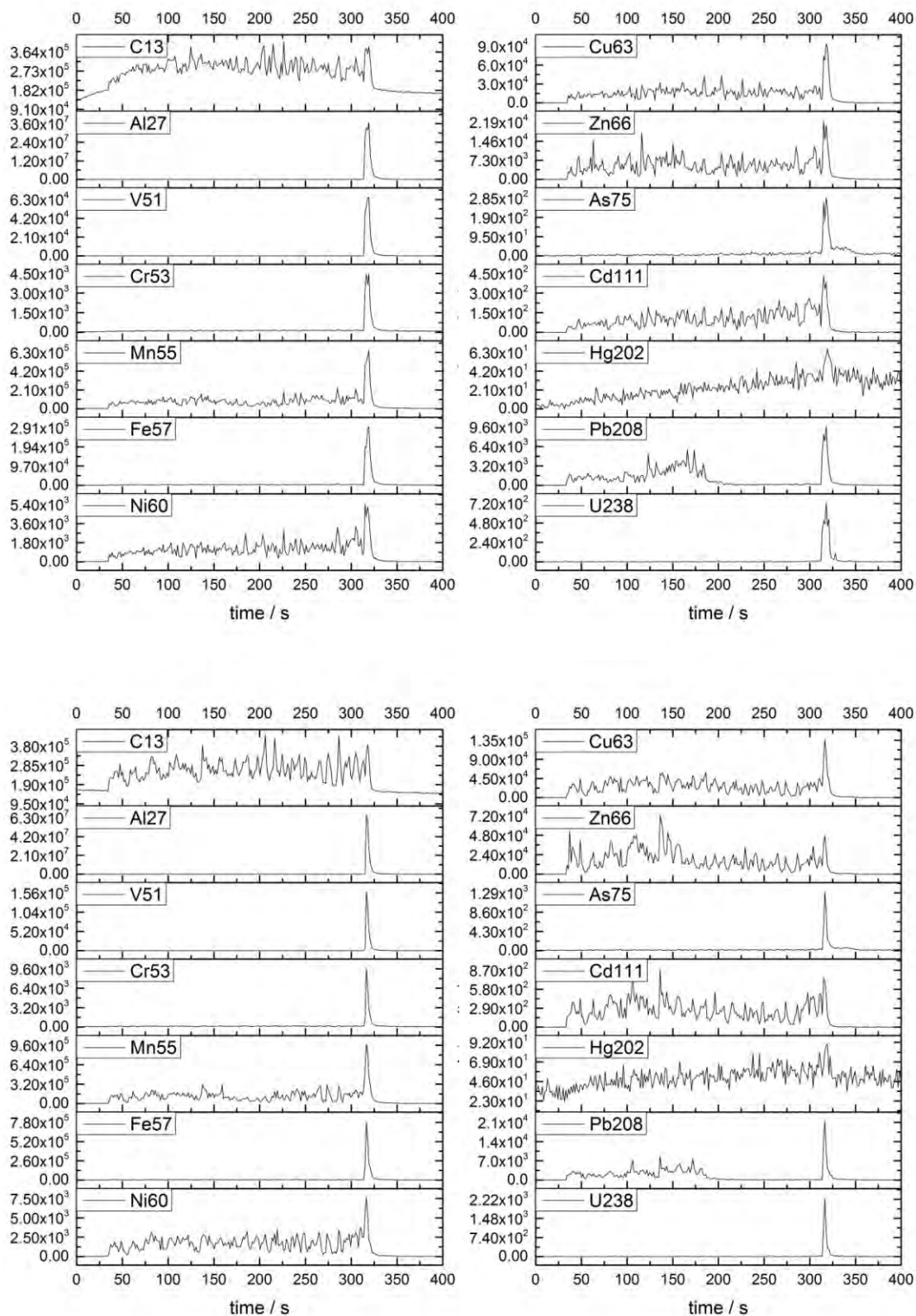
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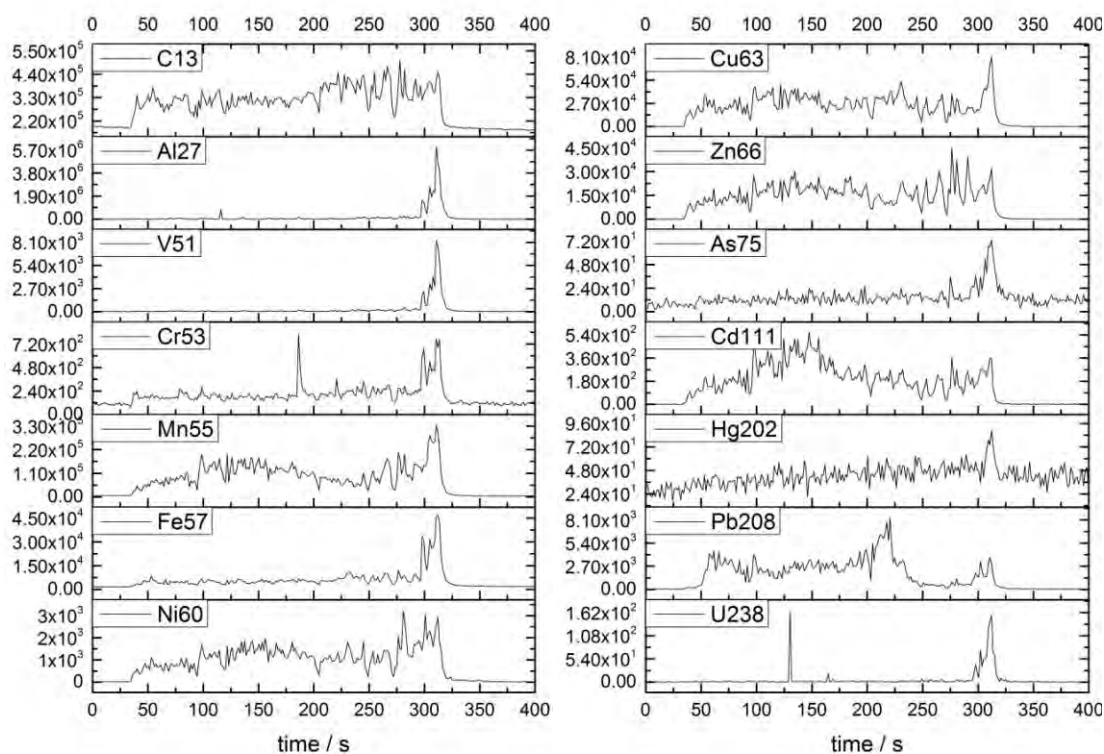
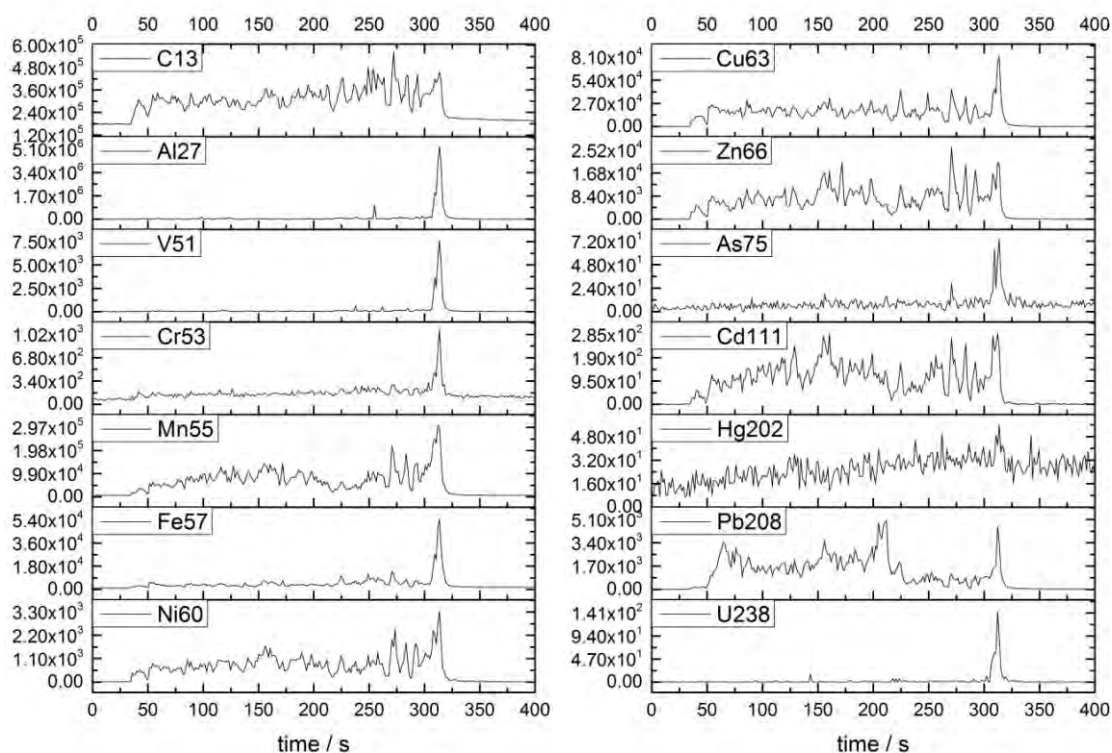
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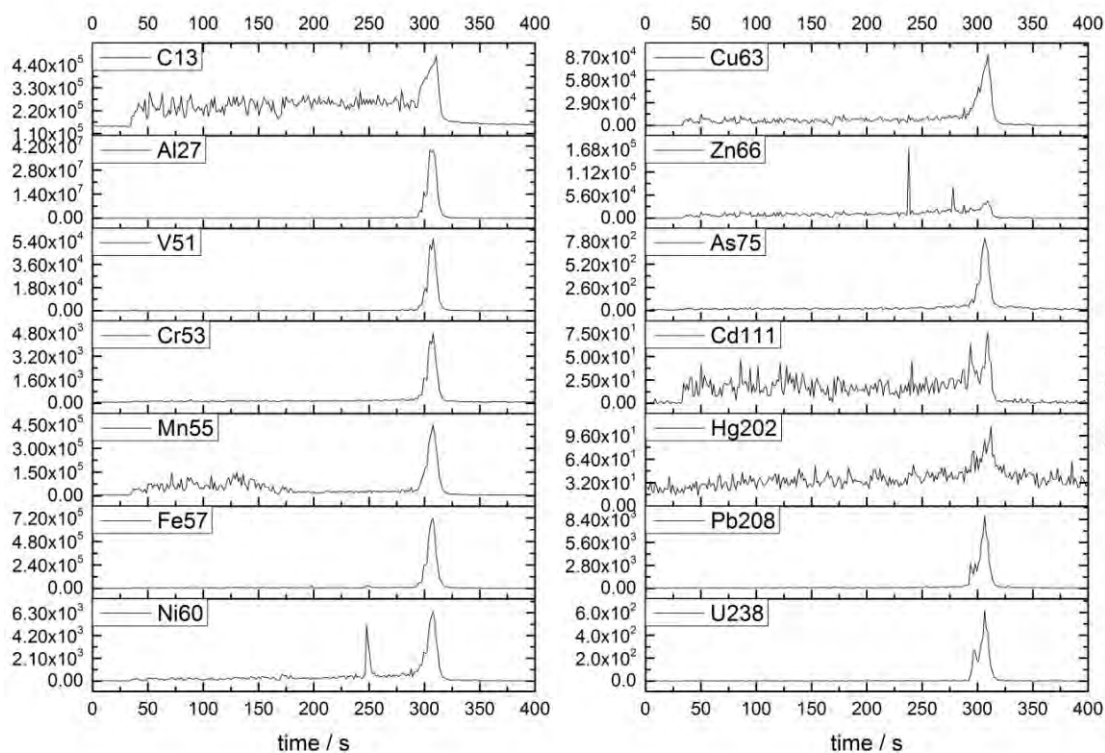
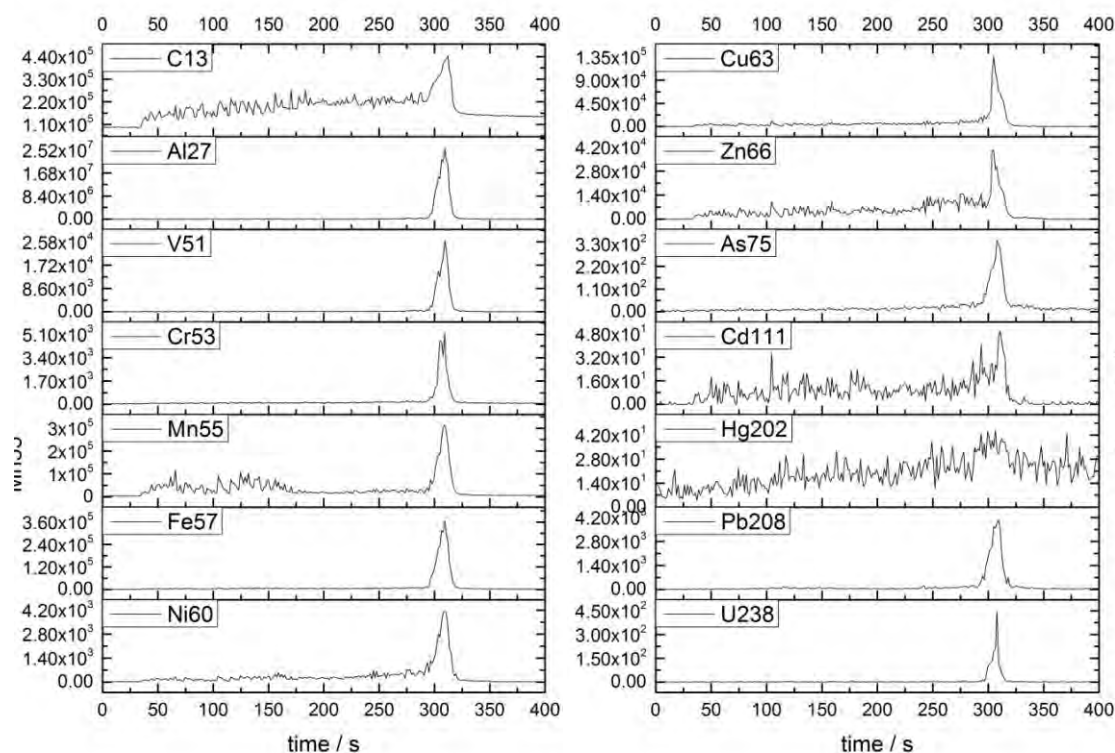
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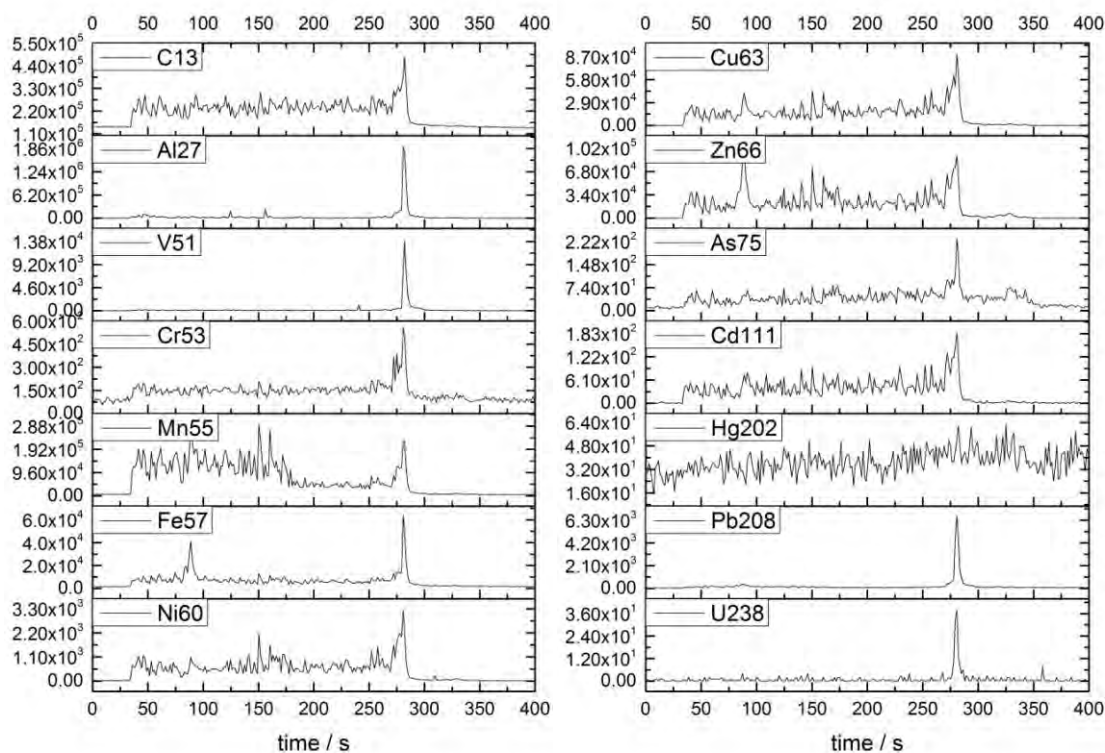
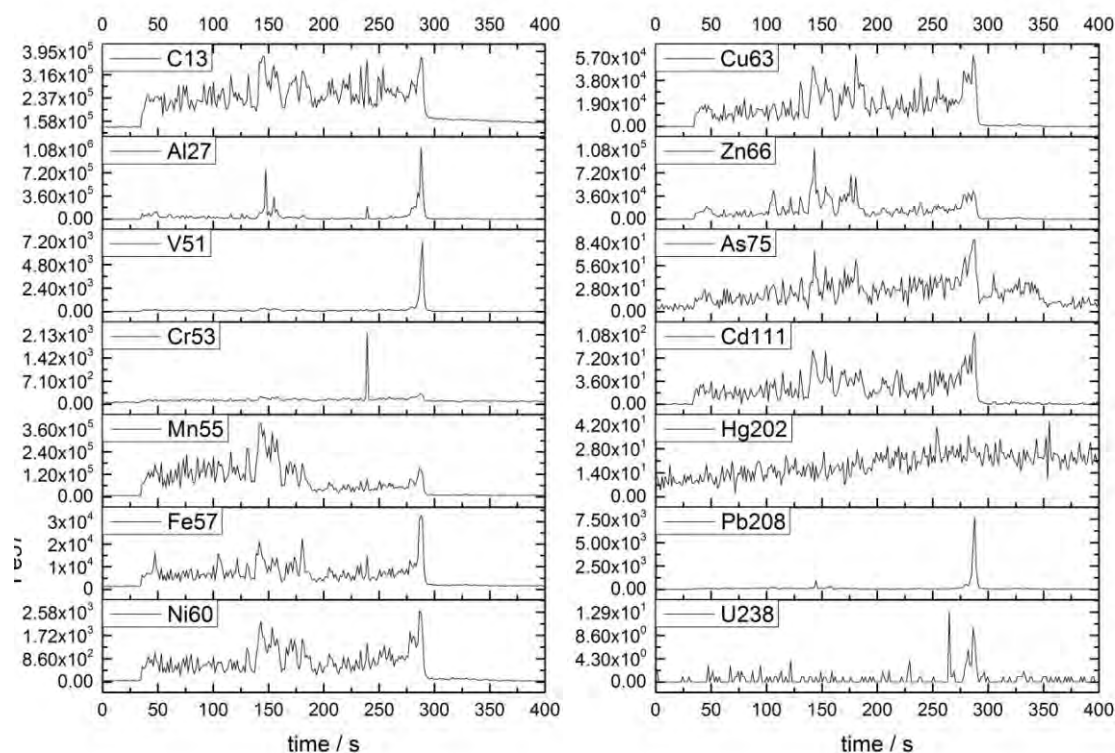
Wales Parsnip 2



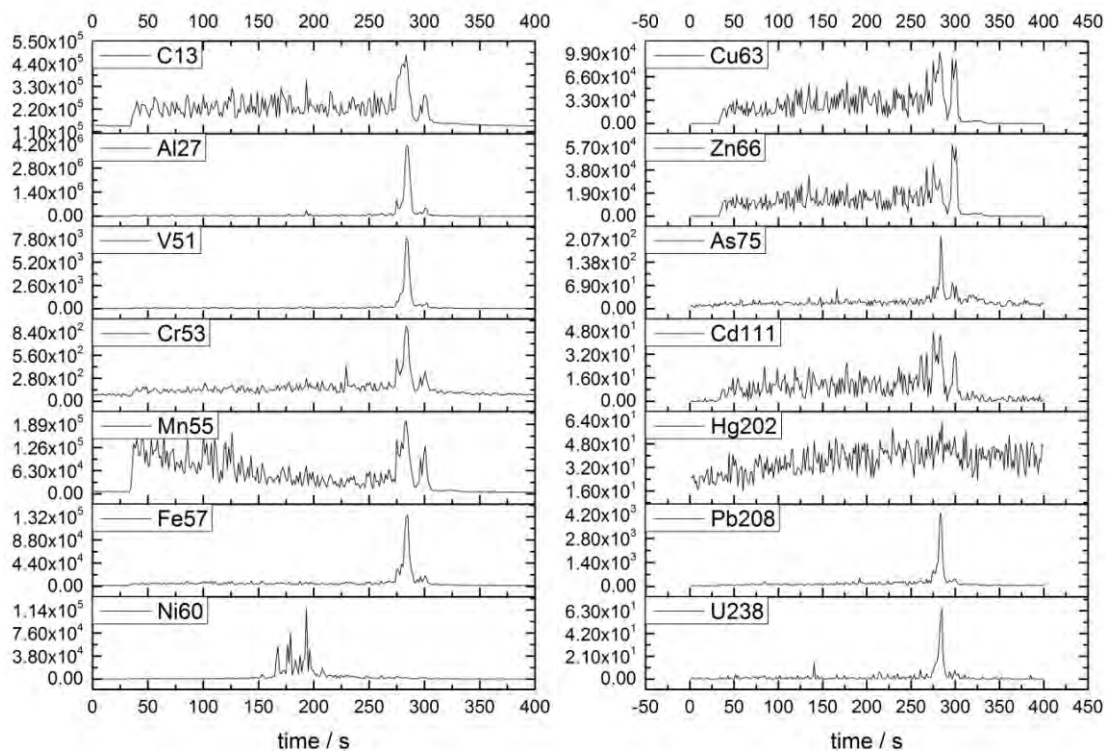
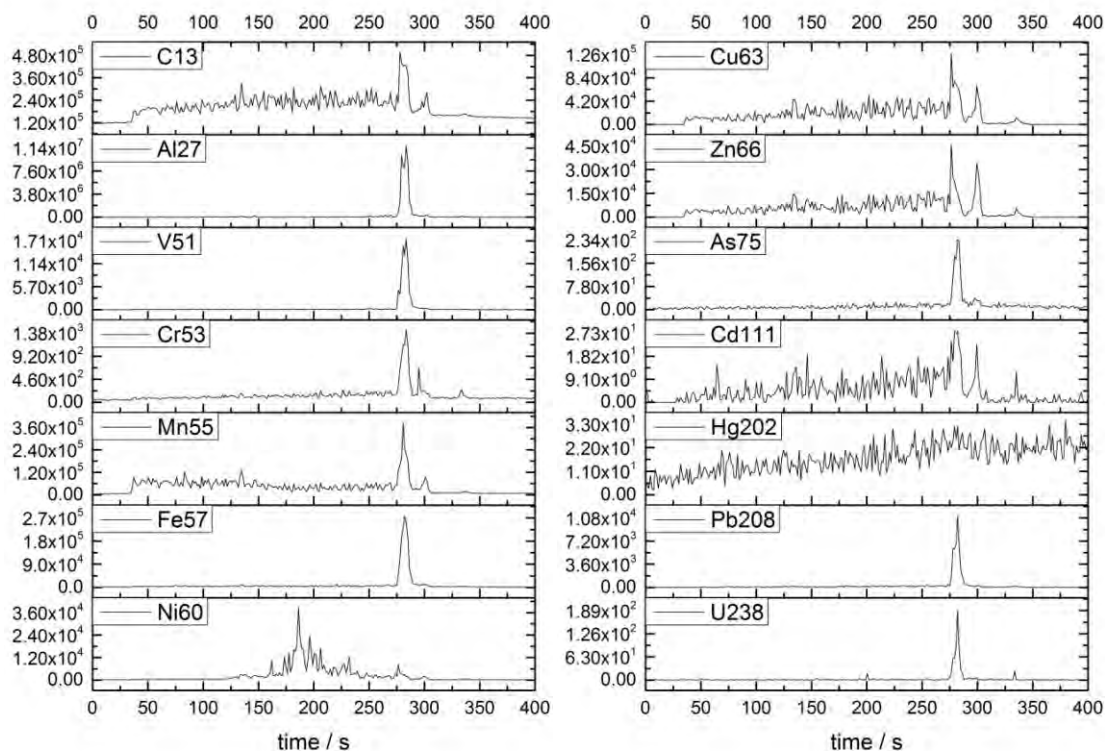
Kent Potato (Kerr's Pink) 2



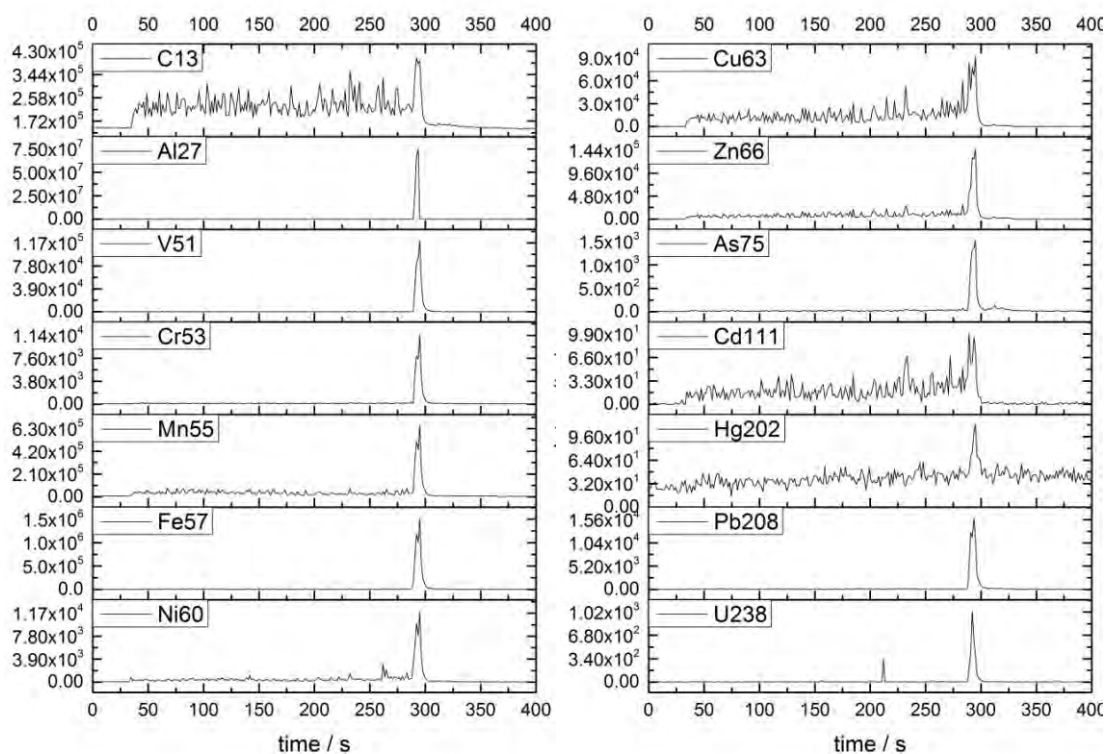
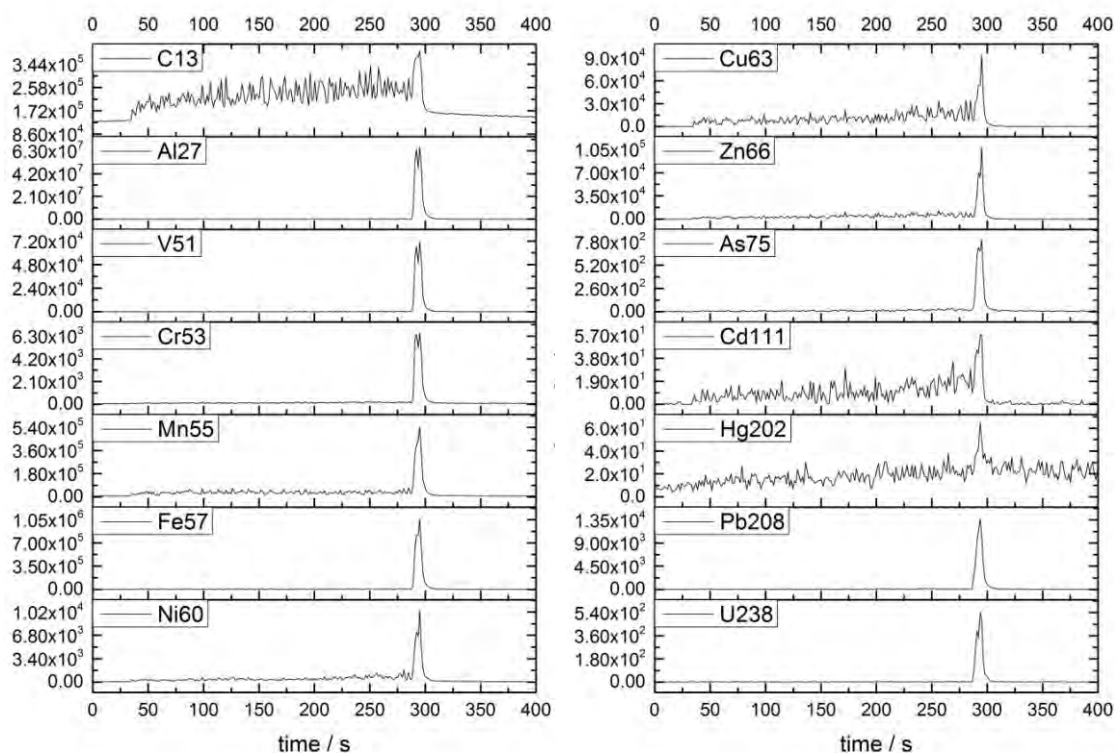
Gloucestershire Potato (Nicola) slice 3



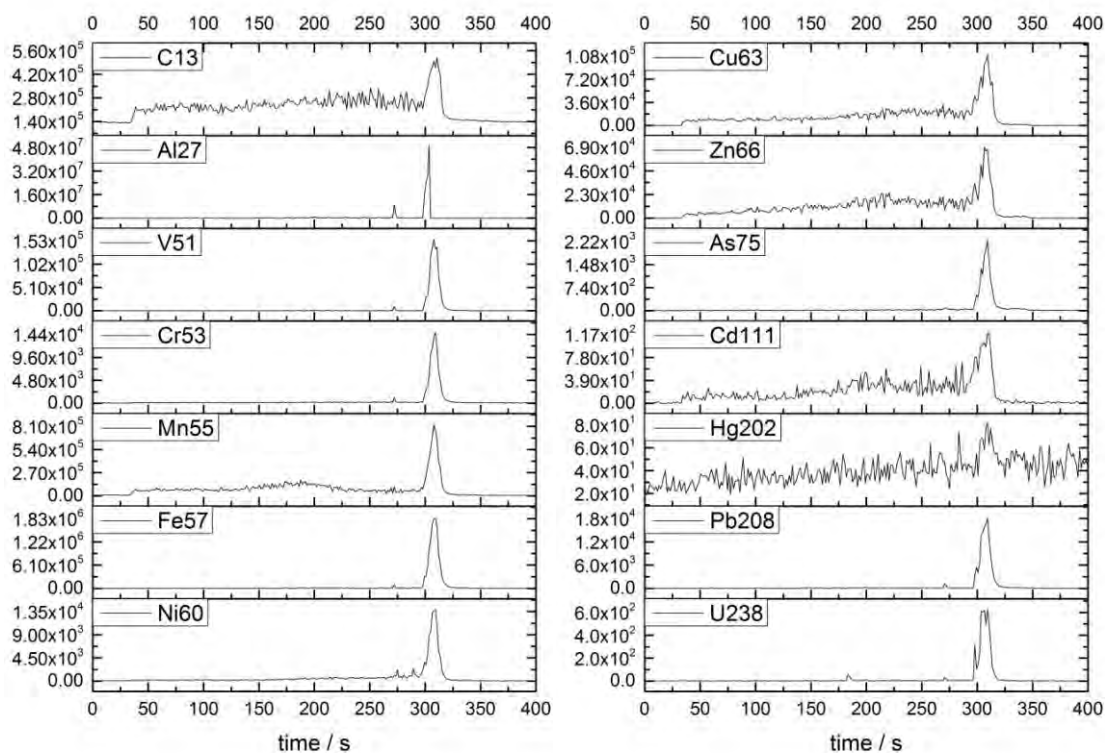
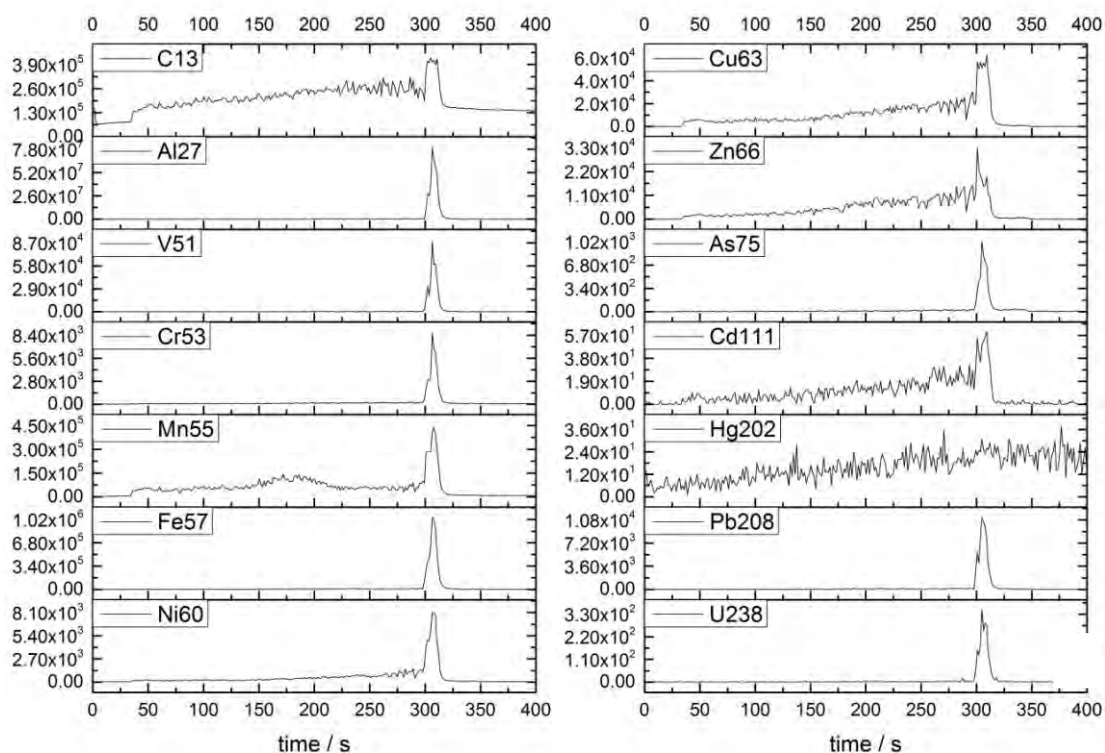
Kinross Potato (Maris Piper) 2



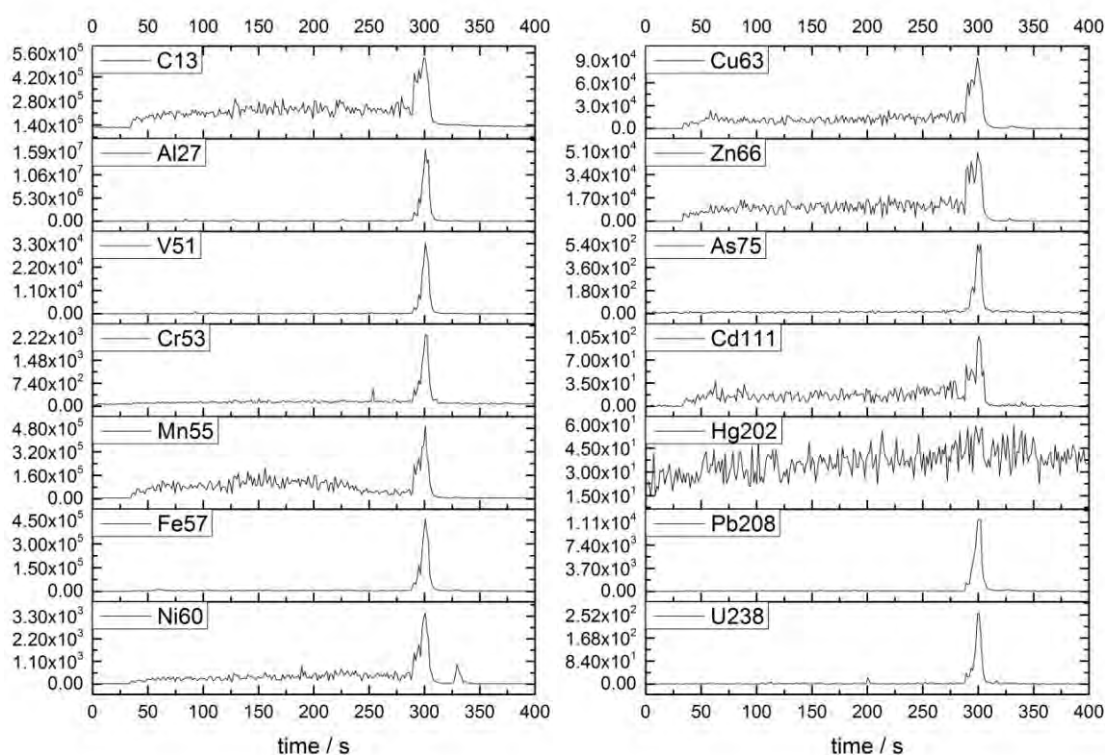
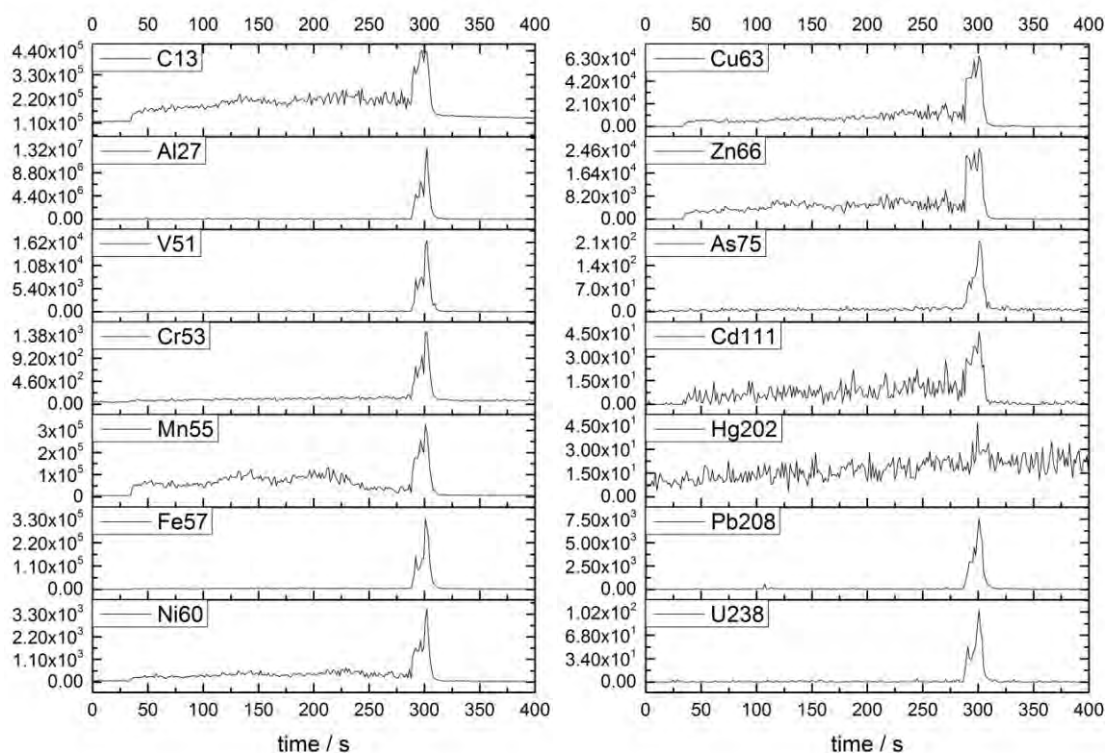
Kent Potato (Charlotte) 2



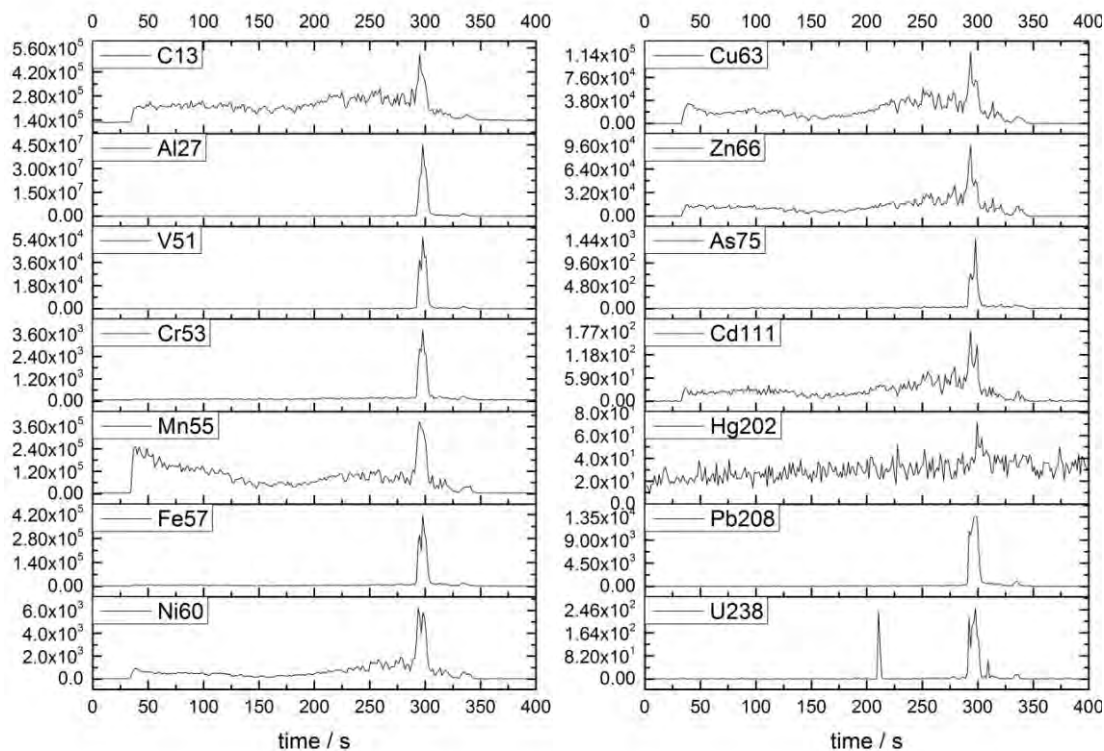
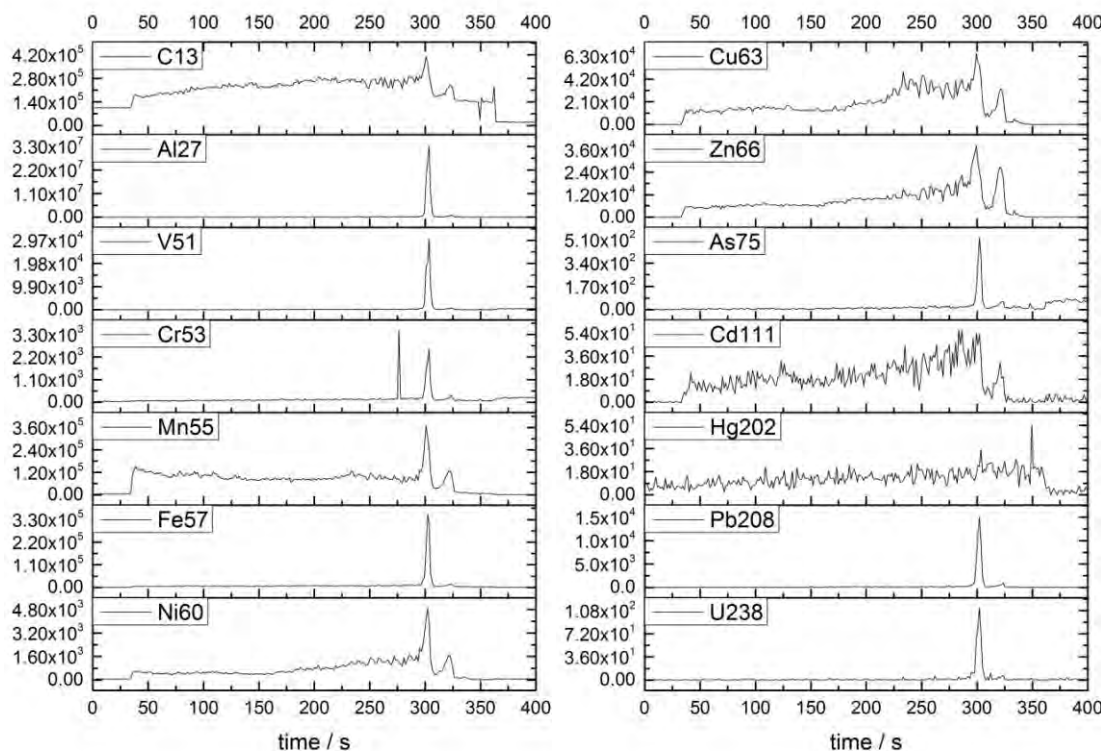
Kent Potato (Charlotte) 3



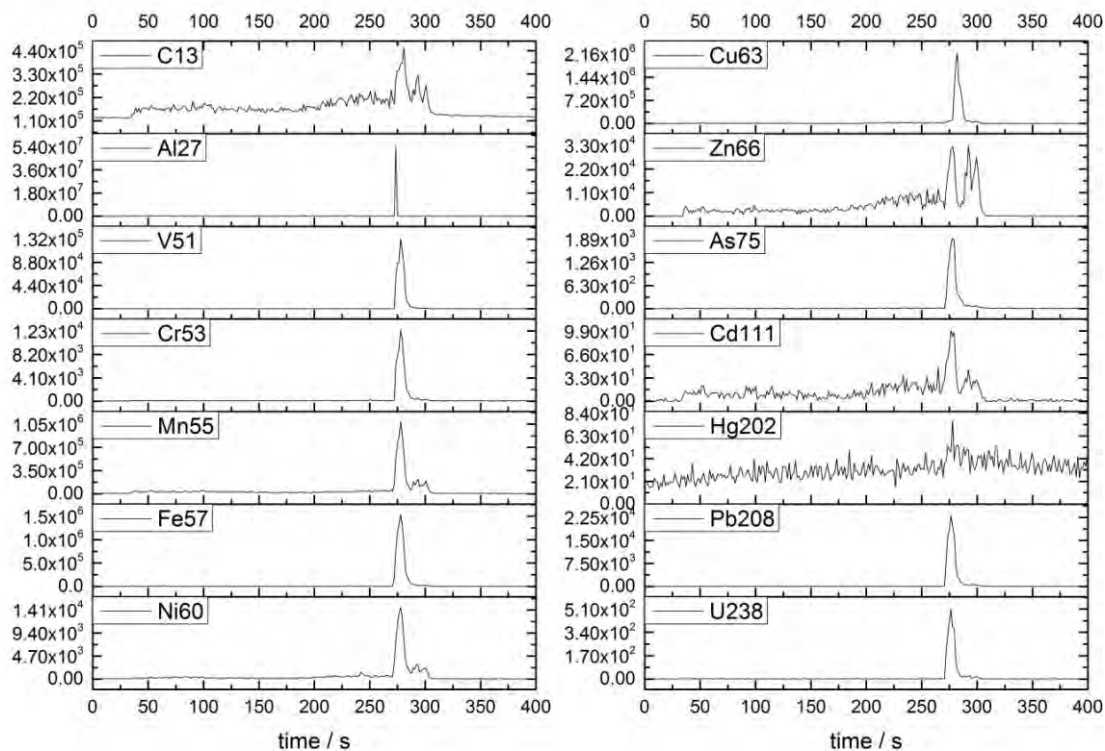
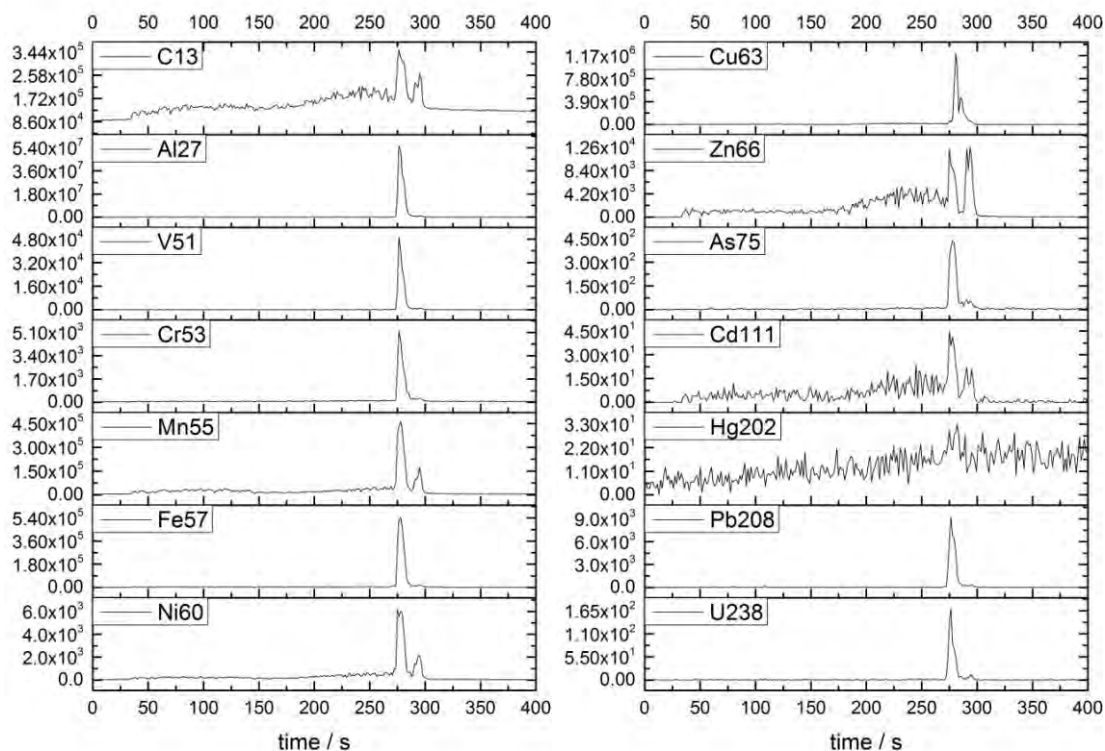
Kinross Potato (Maris Piper) 5



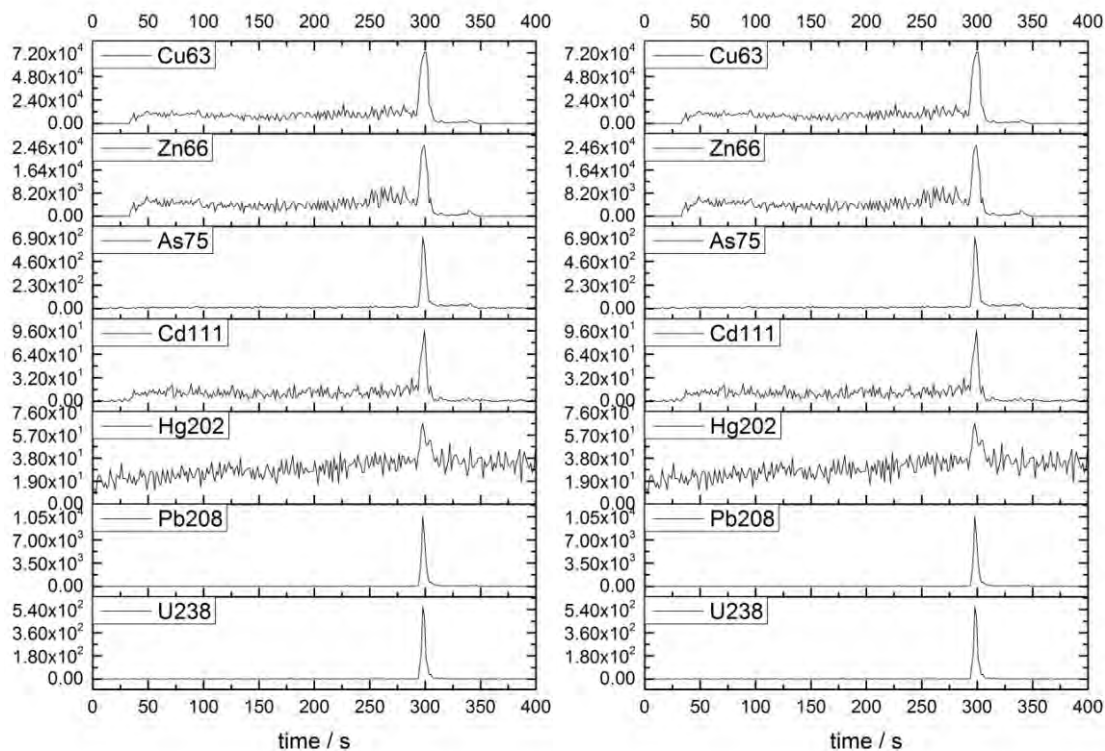
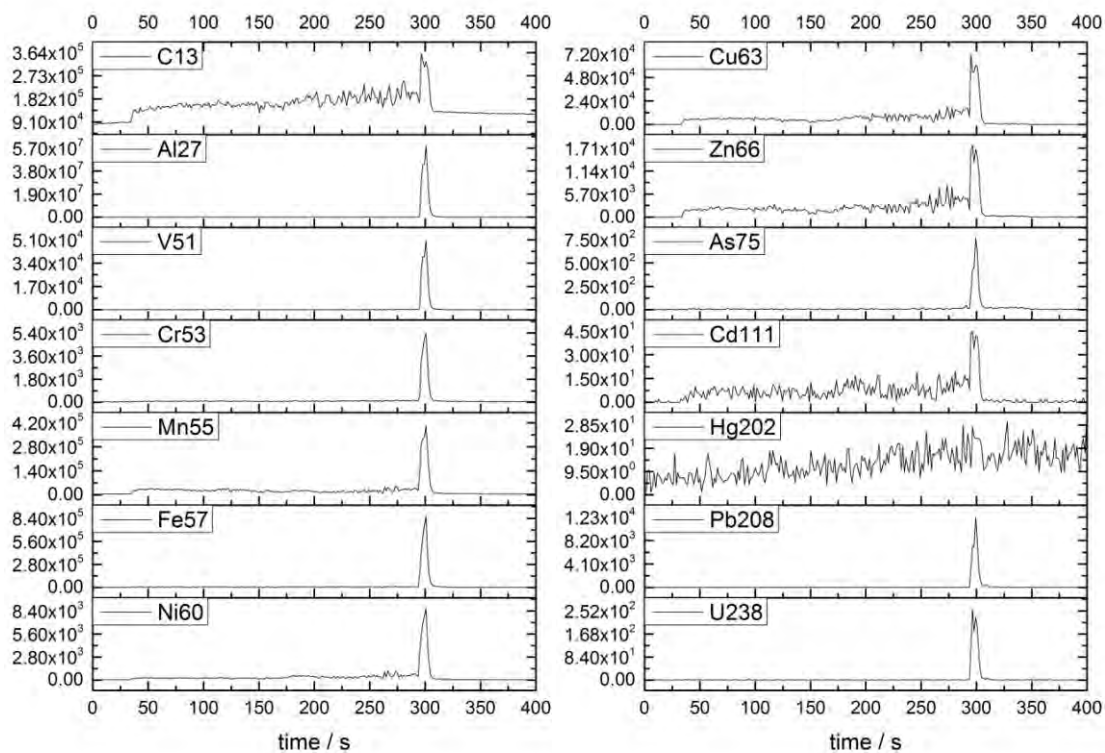
Leicestershire Potato (Maris Piper) 1



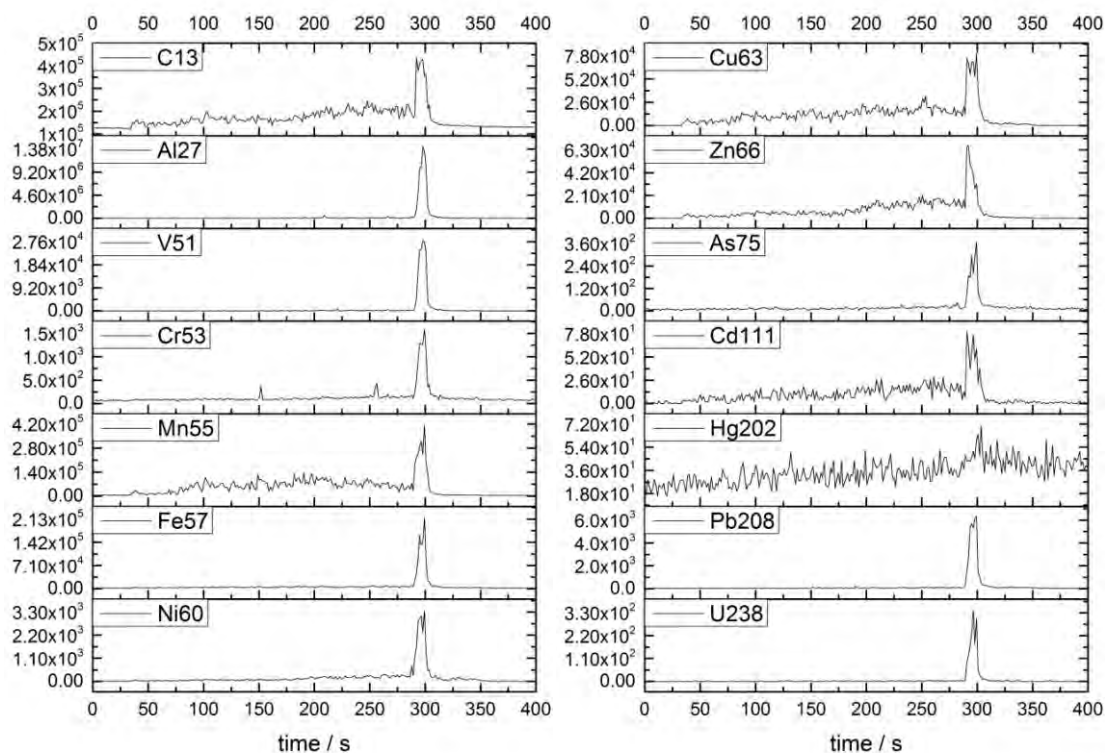
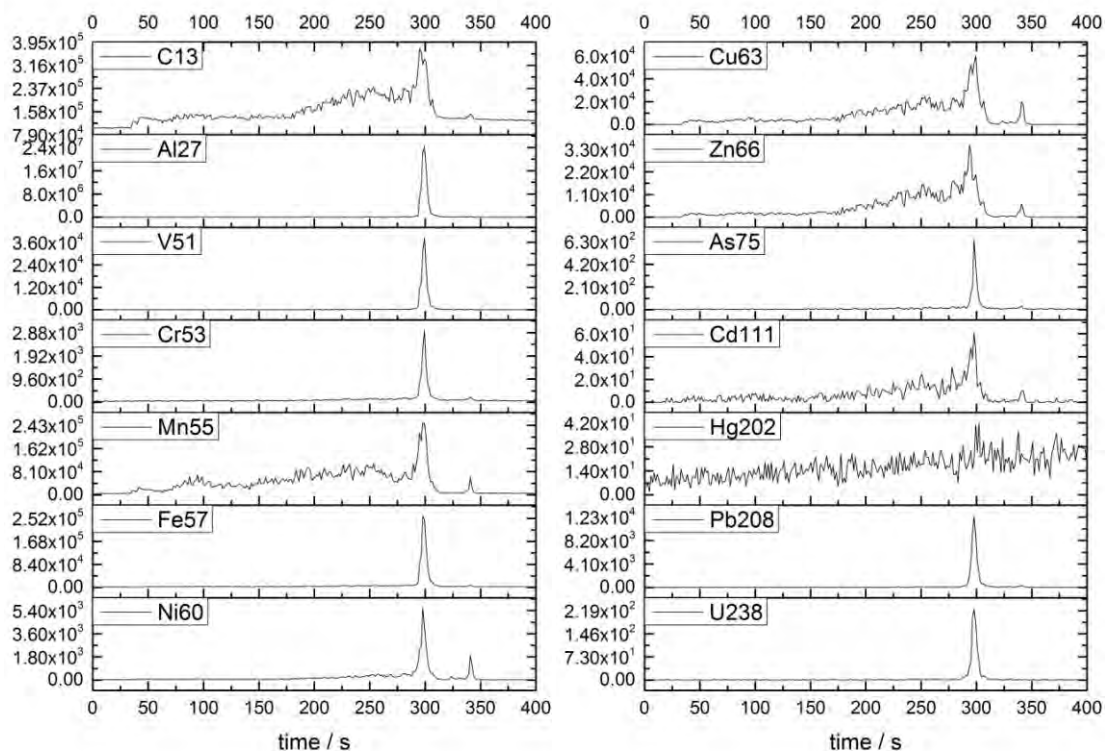
Kent Potato (King Edward) 4



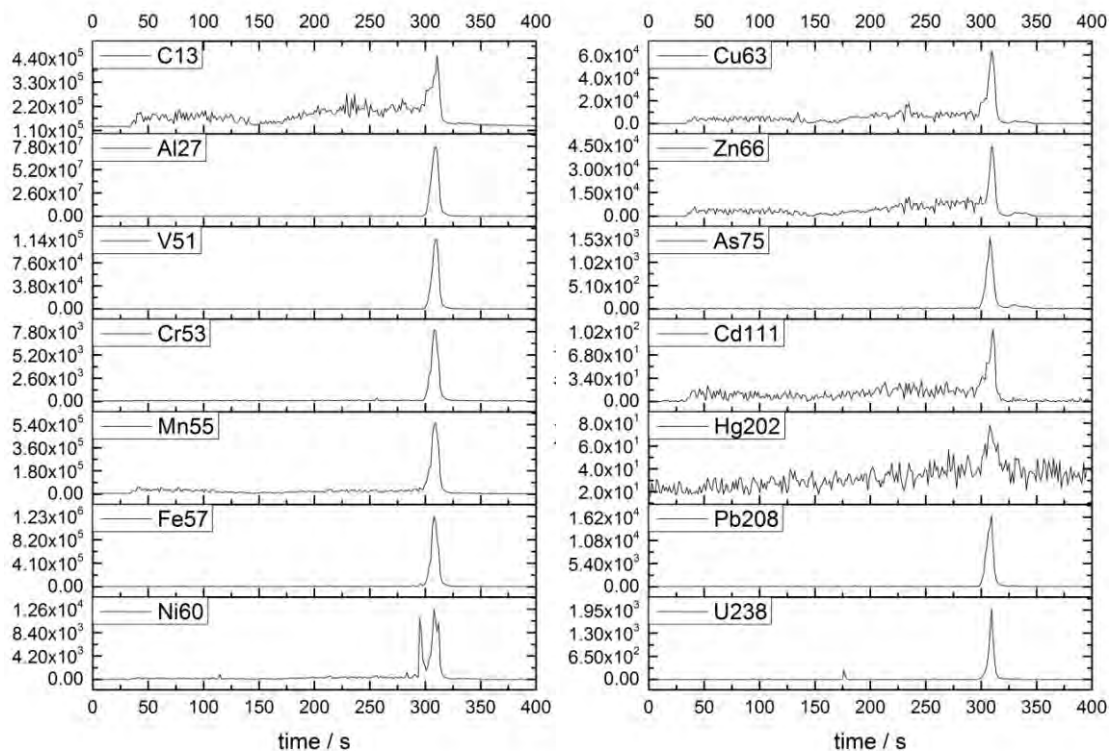
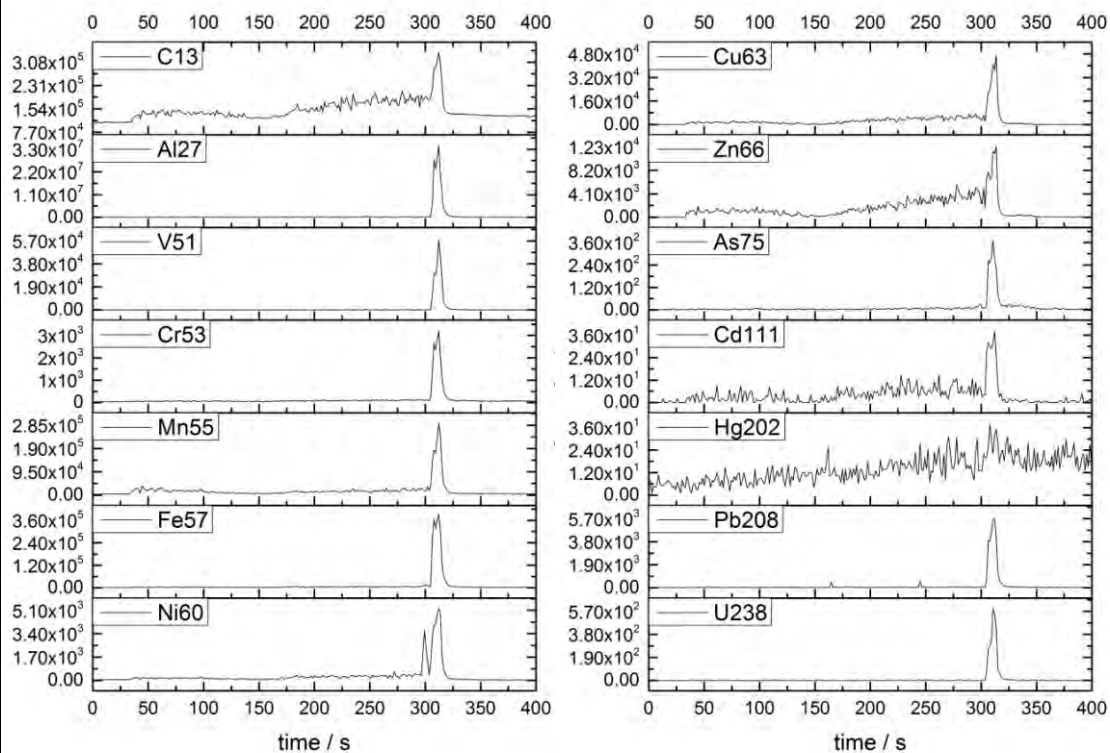
Kent Potato (Kerr's Pink) 3



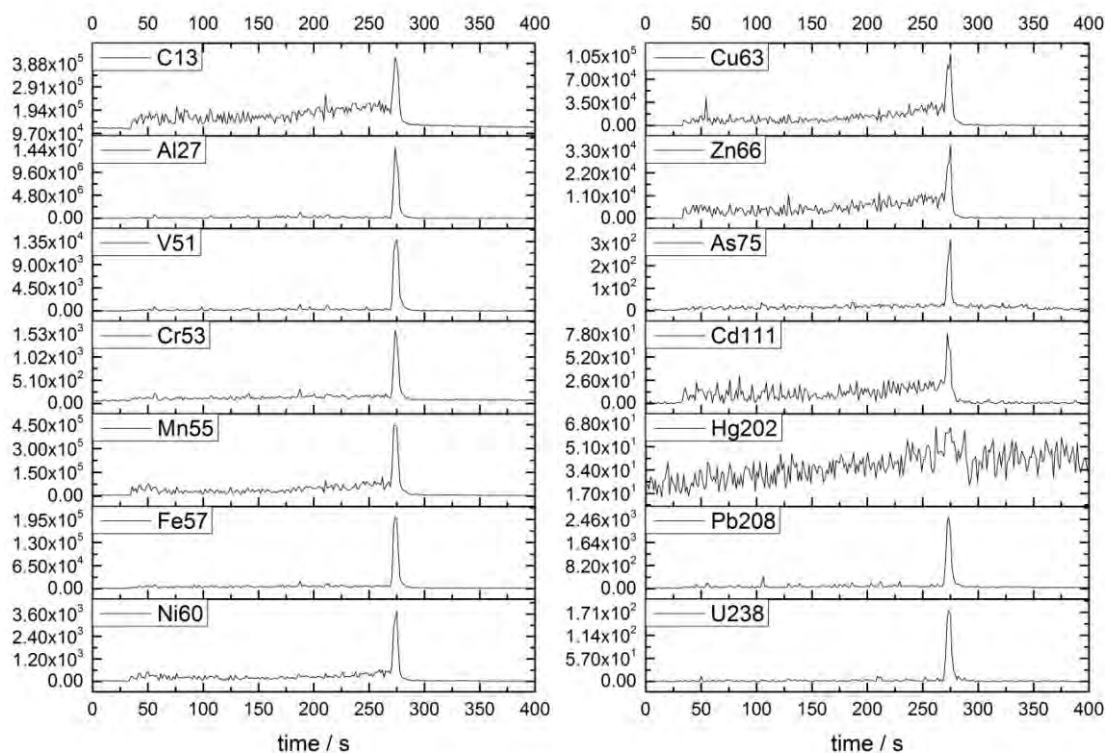
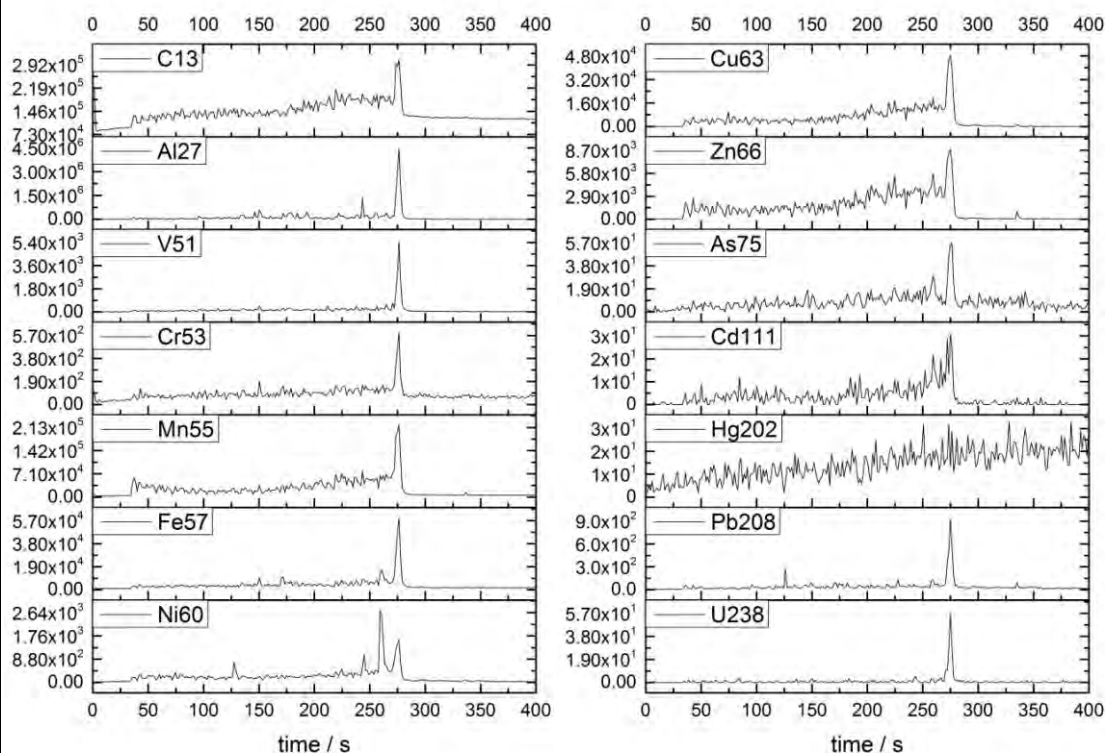
Kent Potato (Maris Piper) 3

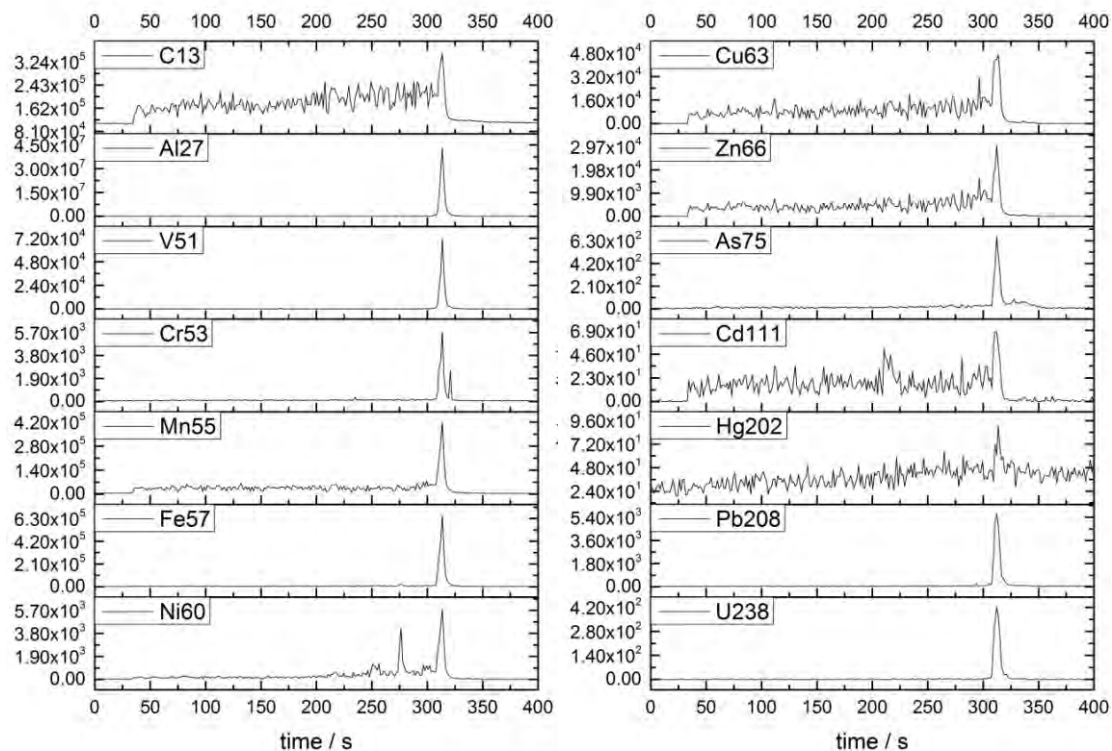
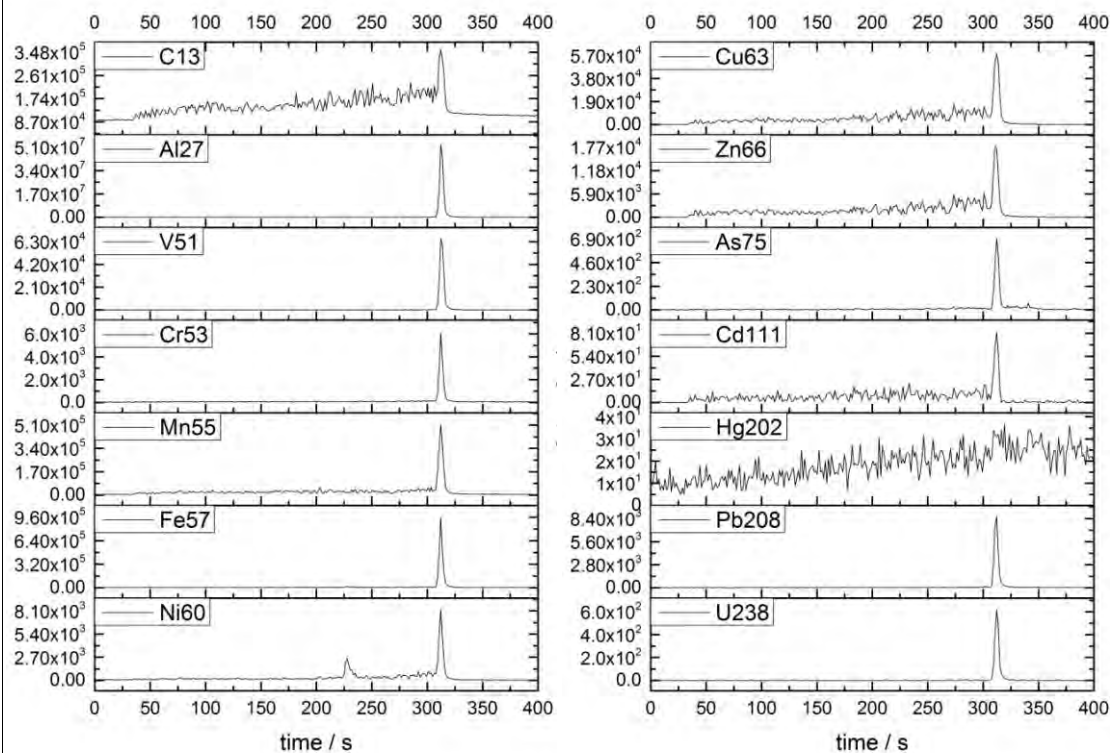


Kent Potato (Shetland Black) 3

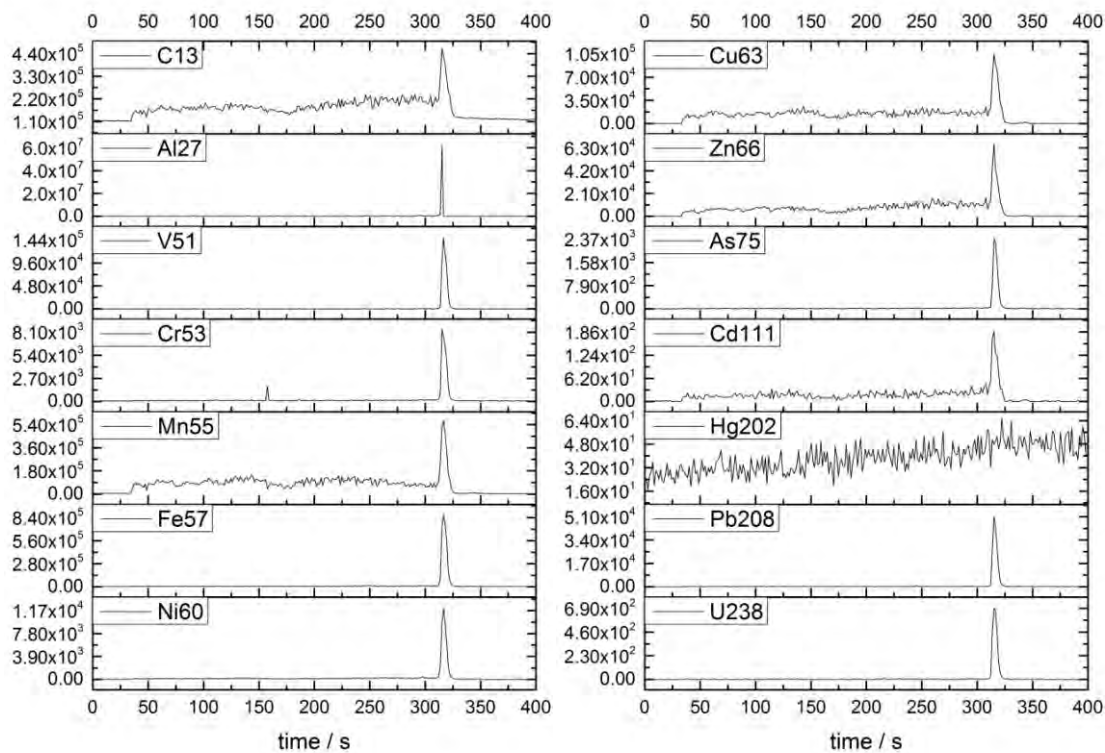
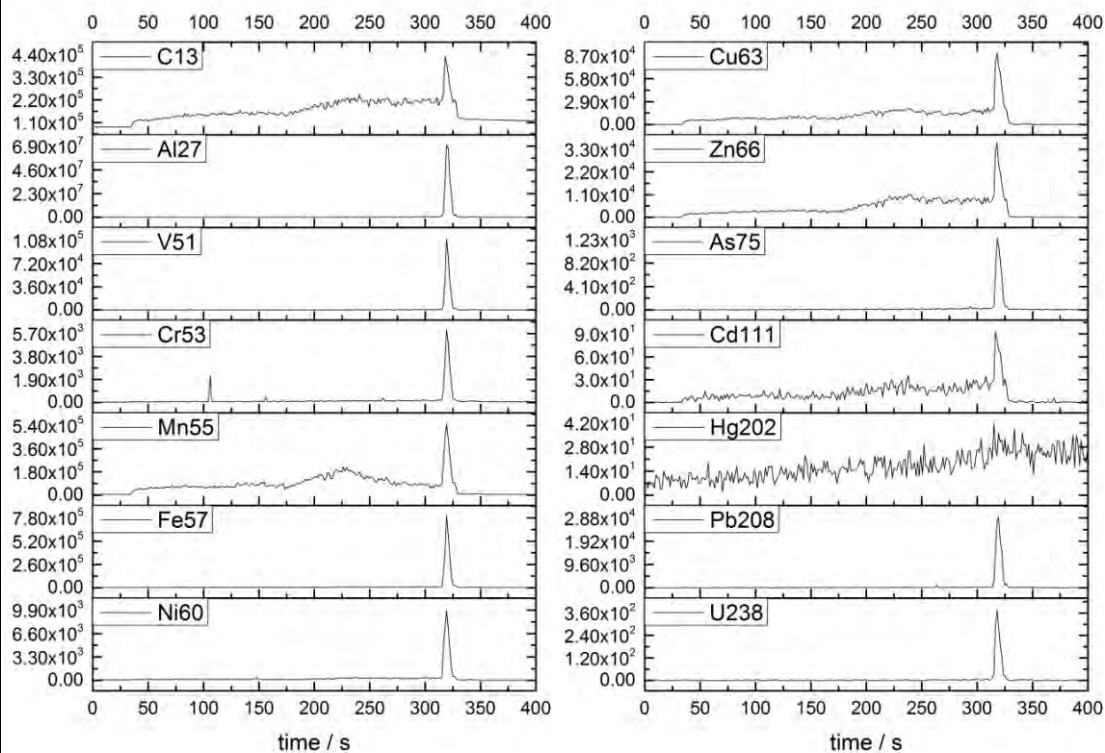


Kent Potato (King Edward) 1

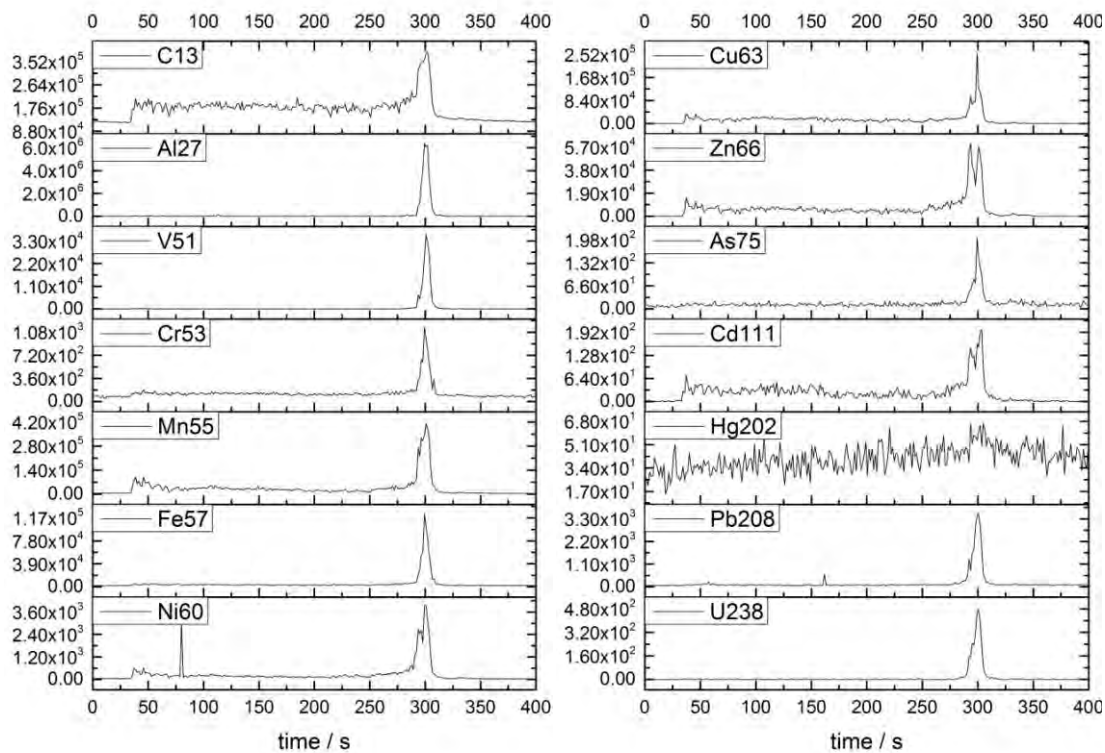
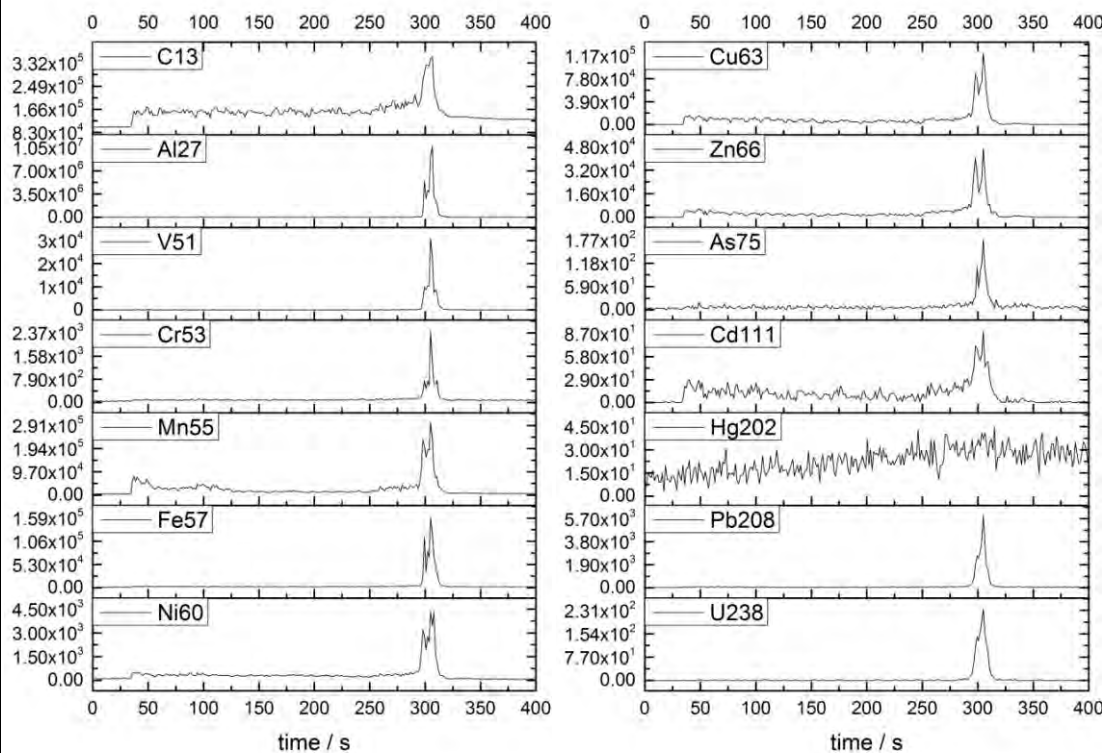




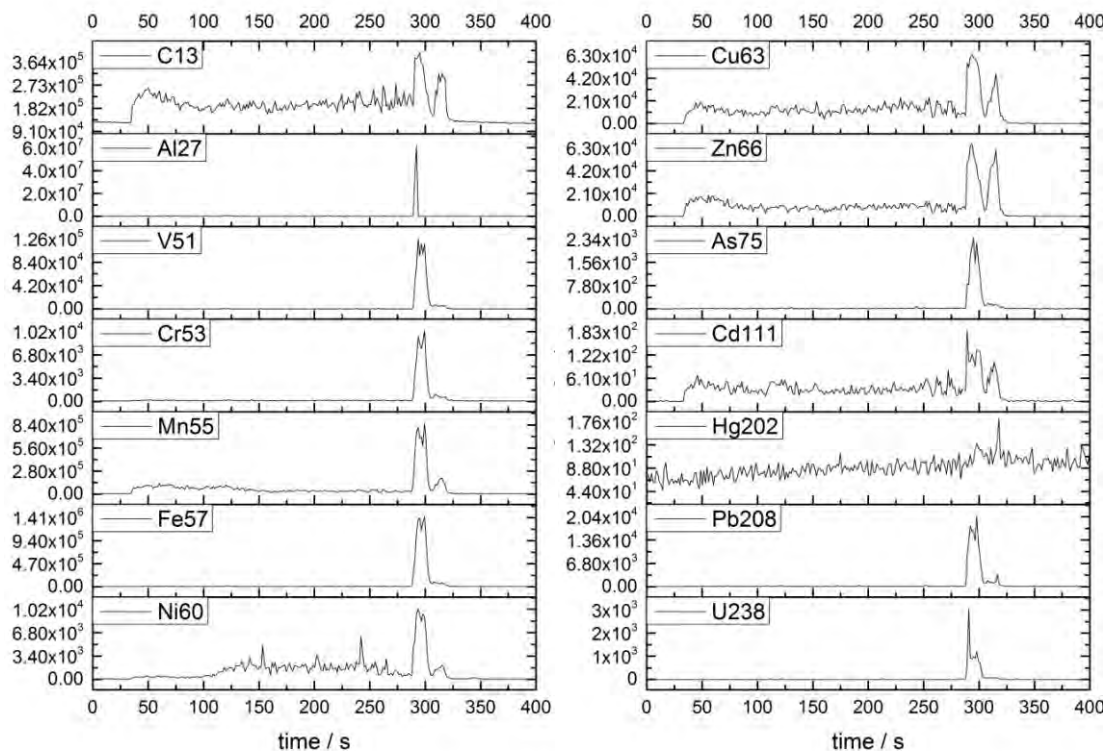
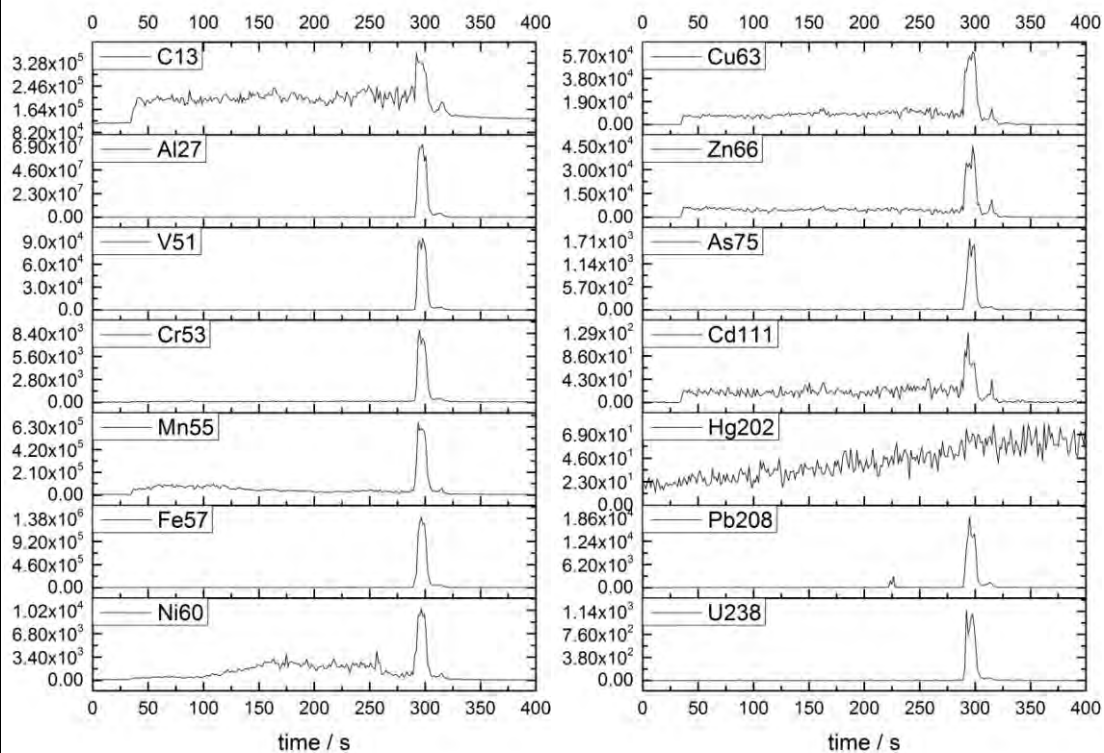
Leicestershire Potato (Maris Piper) 2



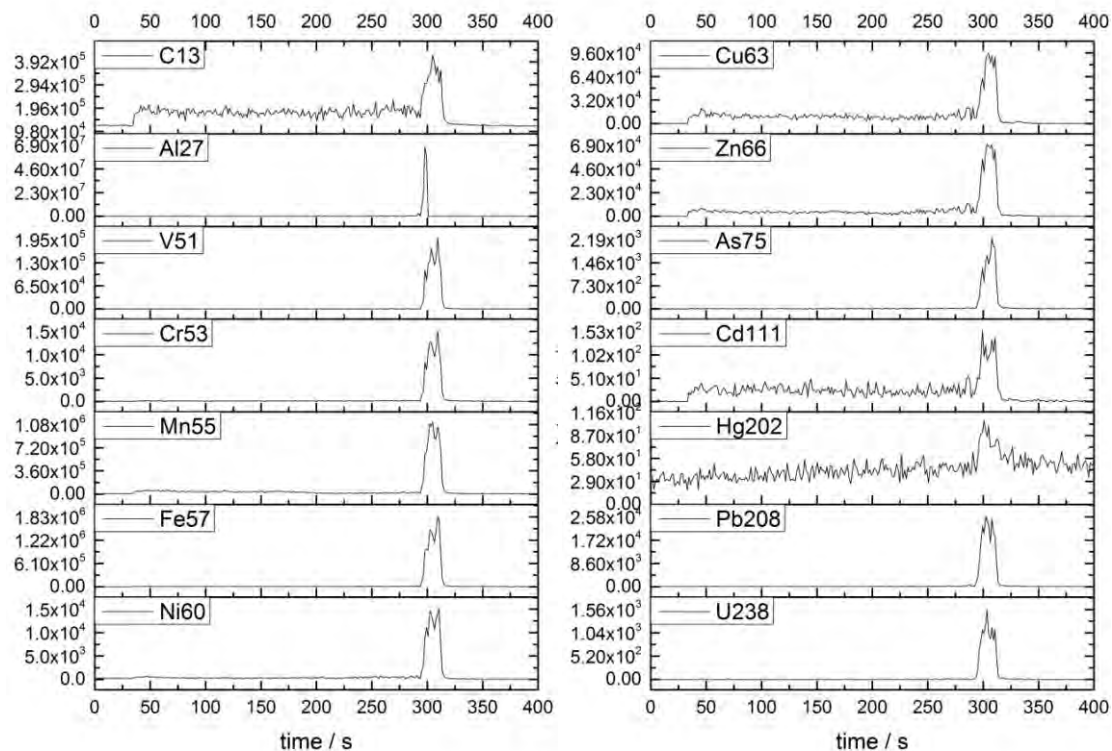
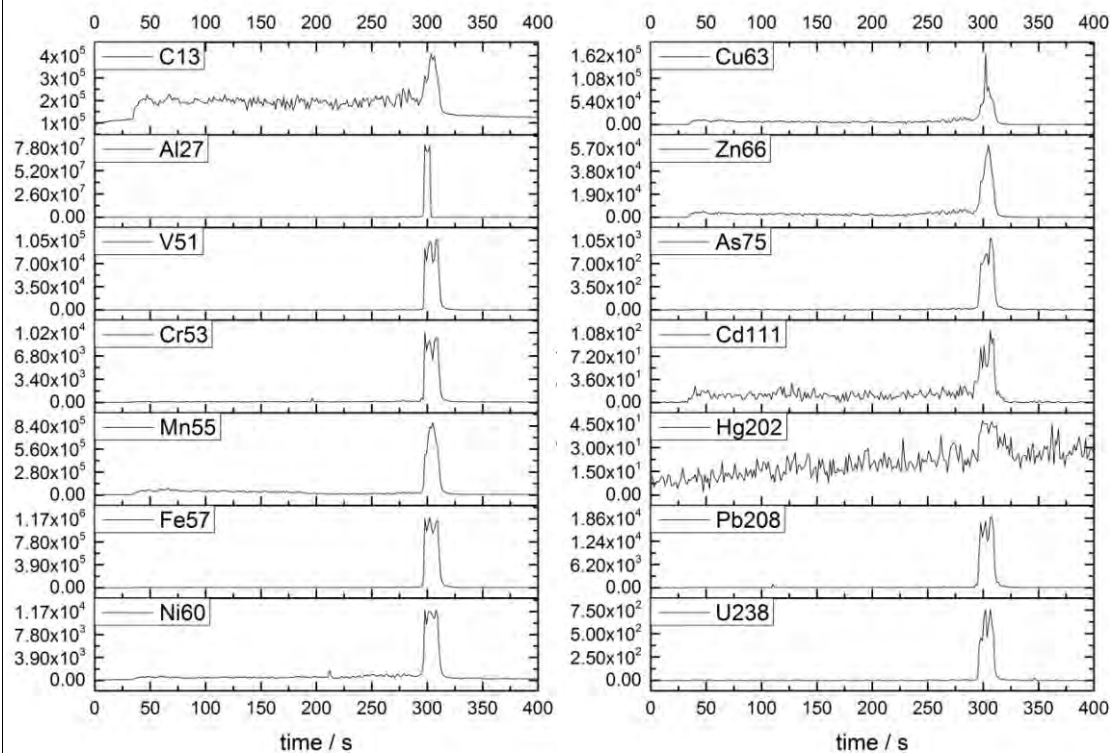
Kent Potato (Maris Peer) 1



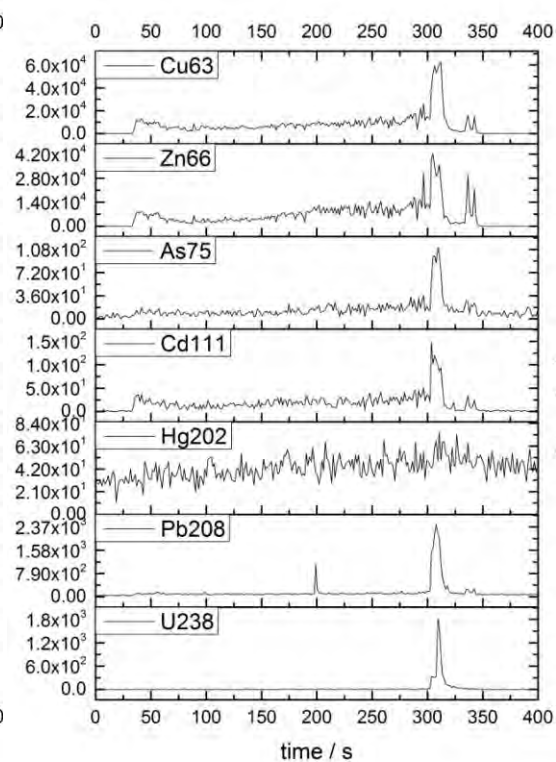
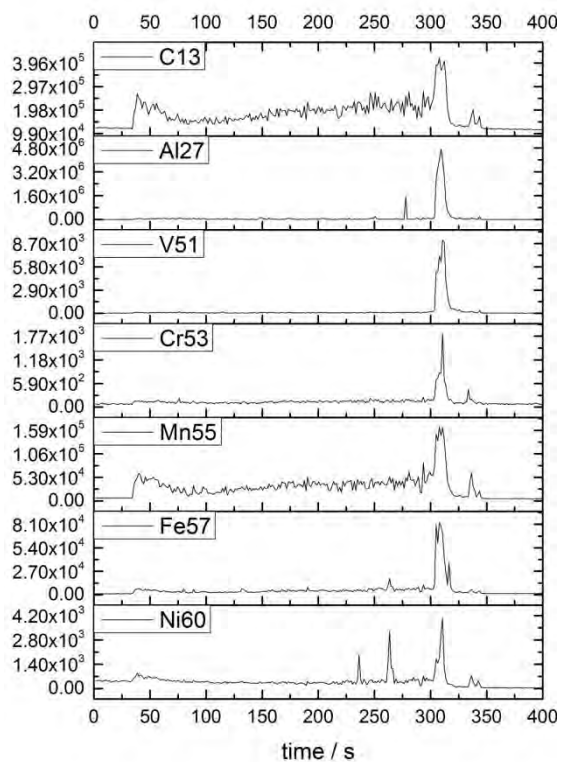
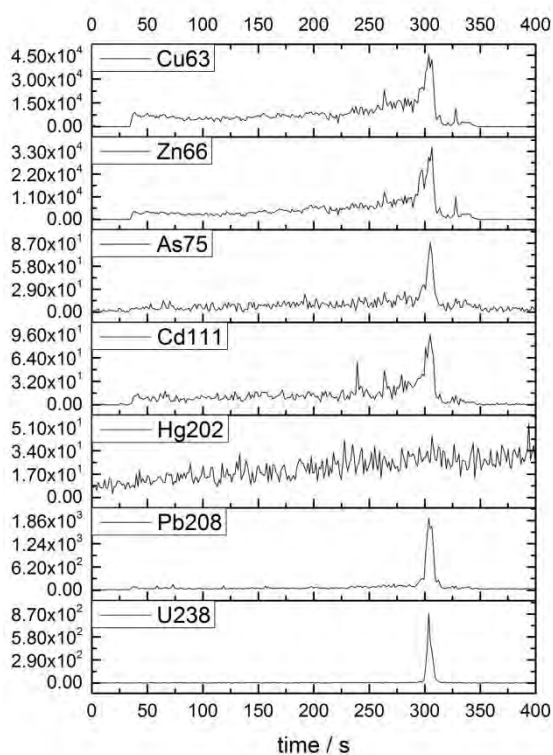
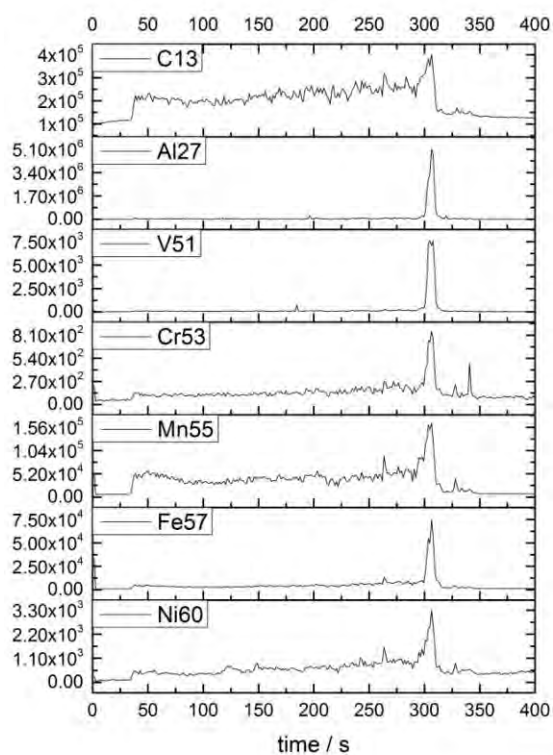
Kent Potato (Yukon) 3



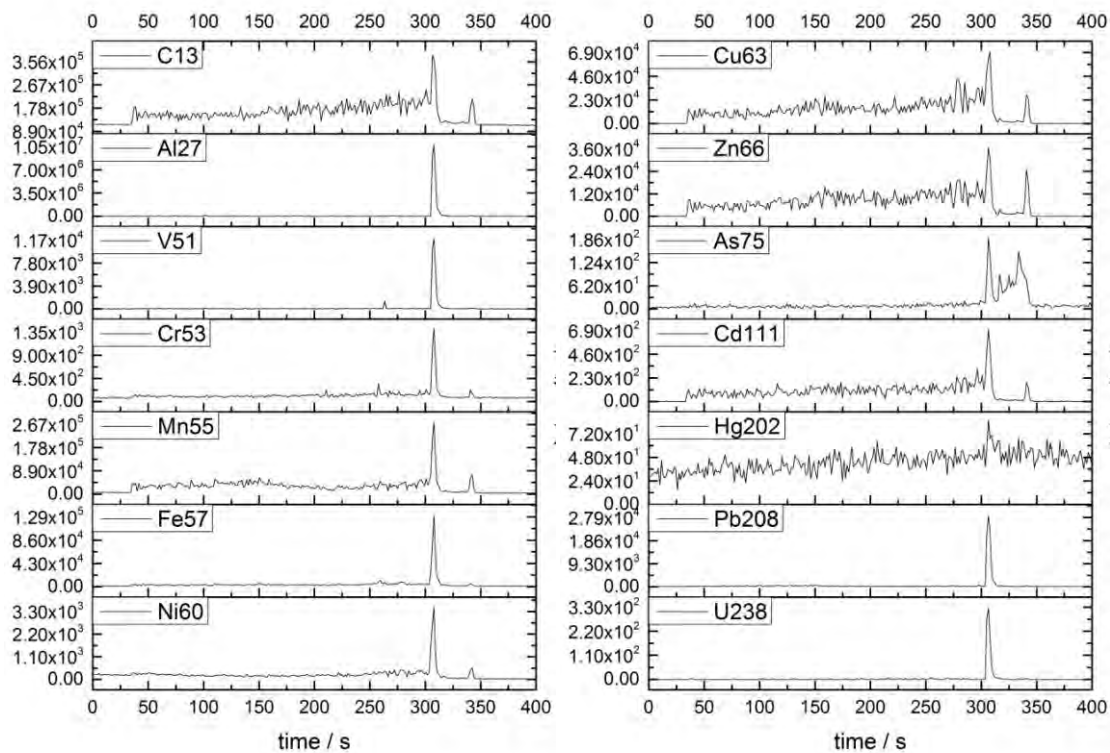
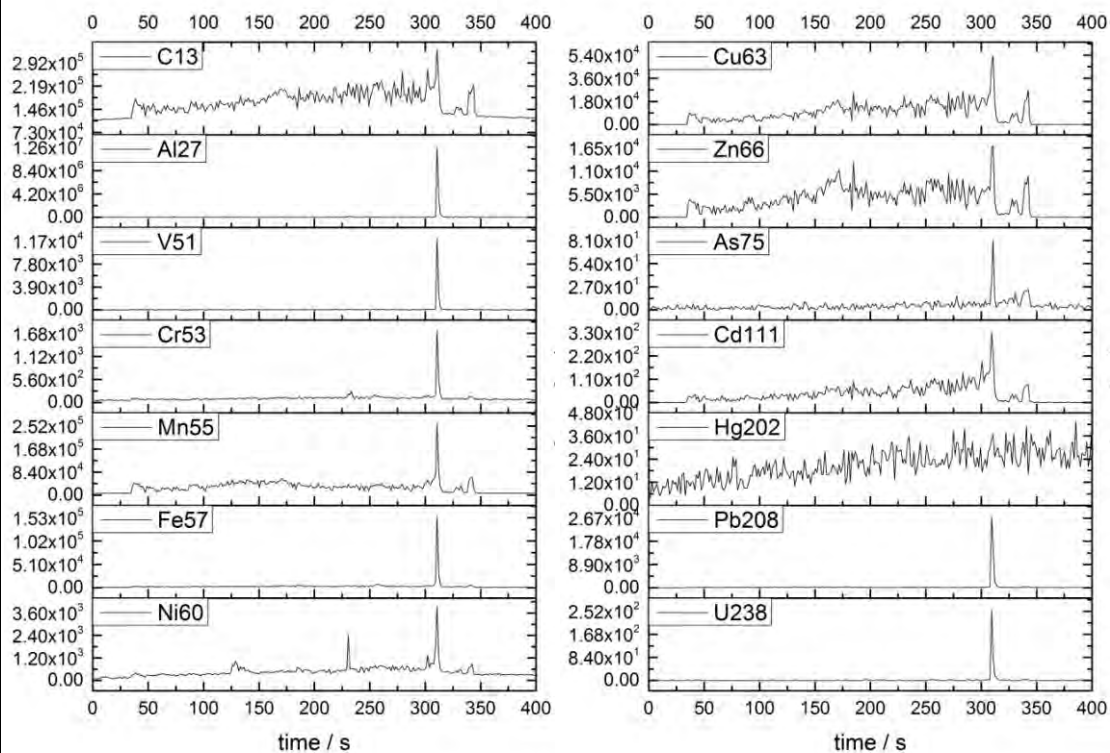
Kent Potato (Wilja) 2



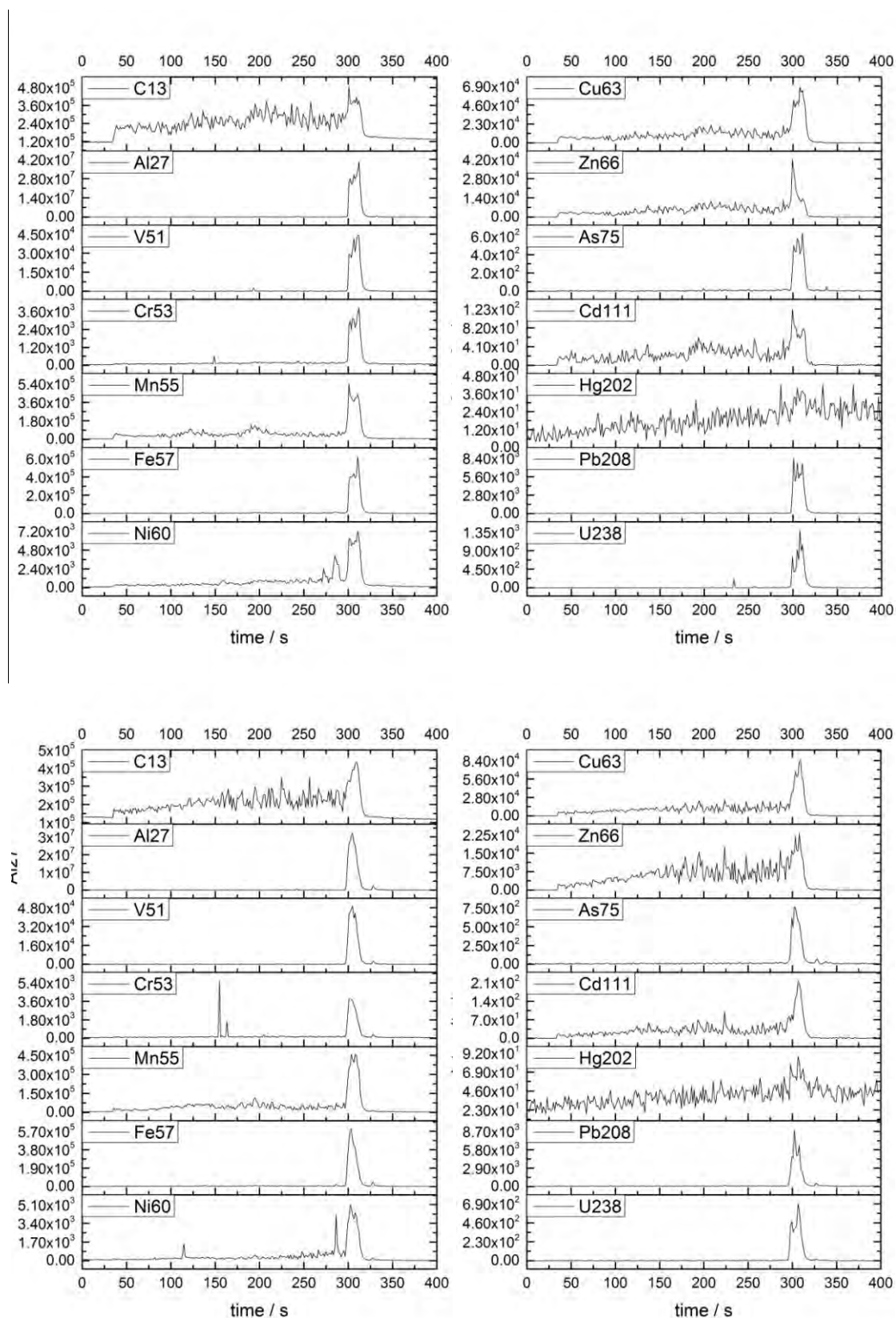
Kent Potato (Salad Blue) 2



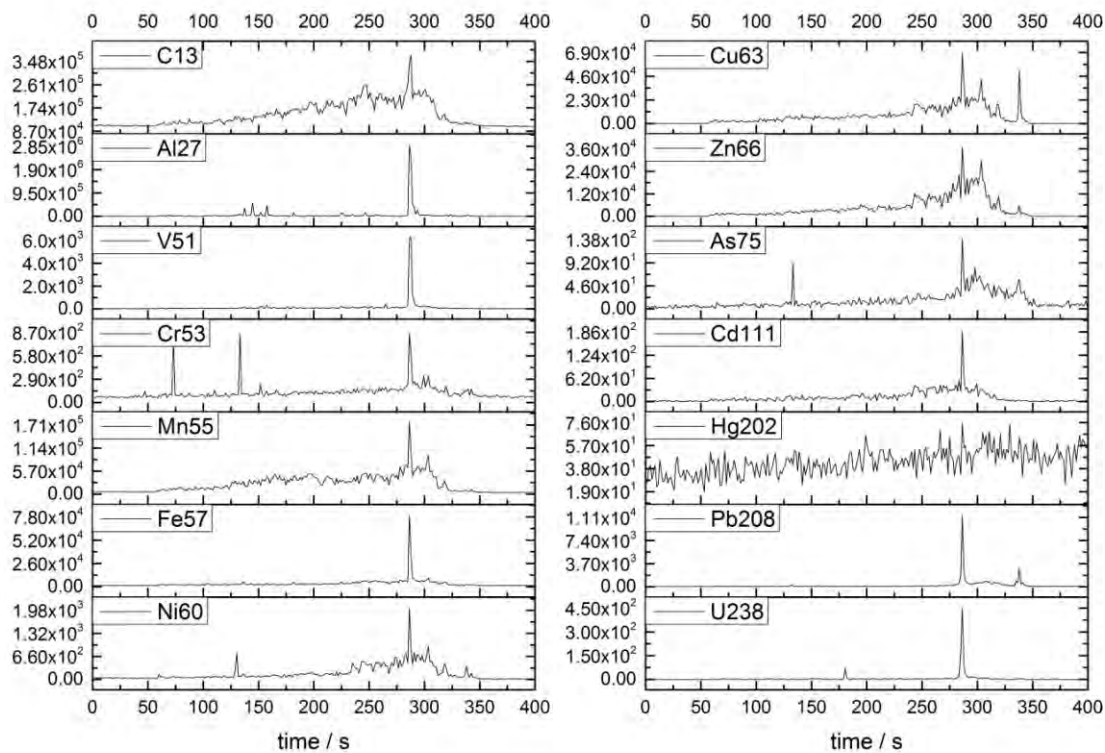
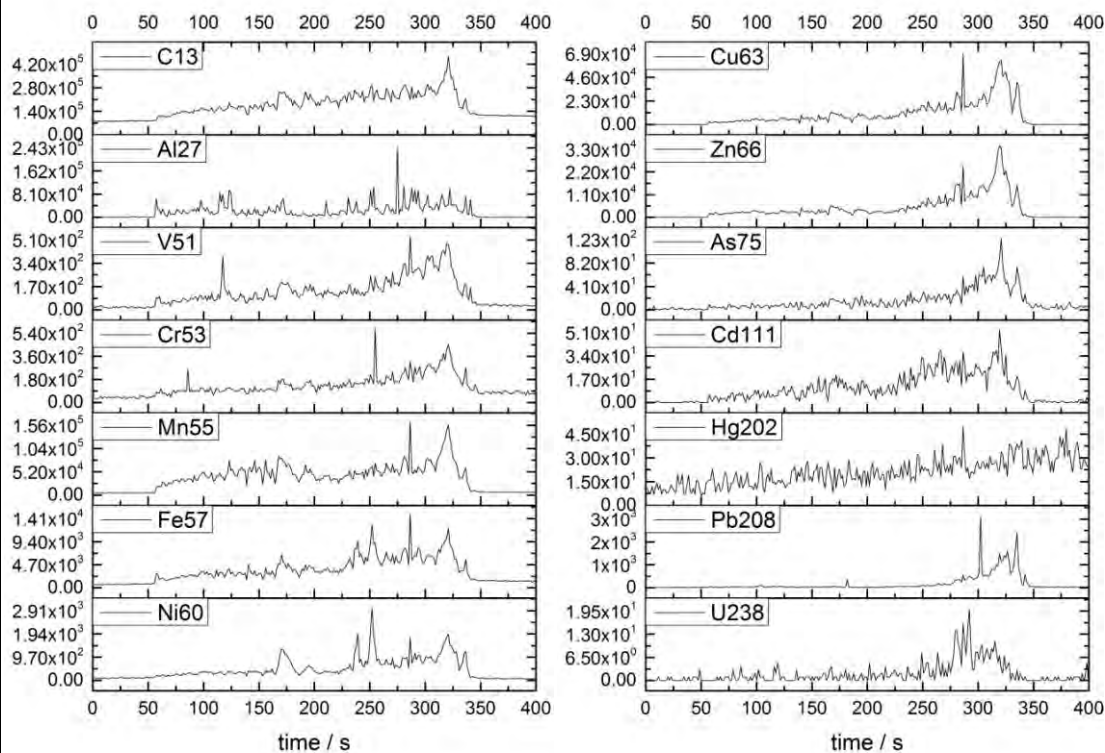
Derbyshire Potato (Maris Piper) 15

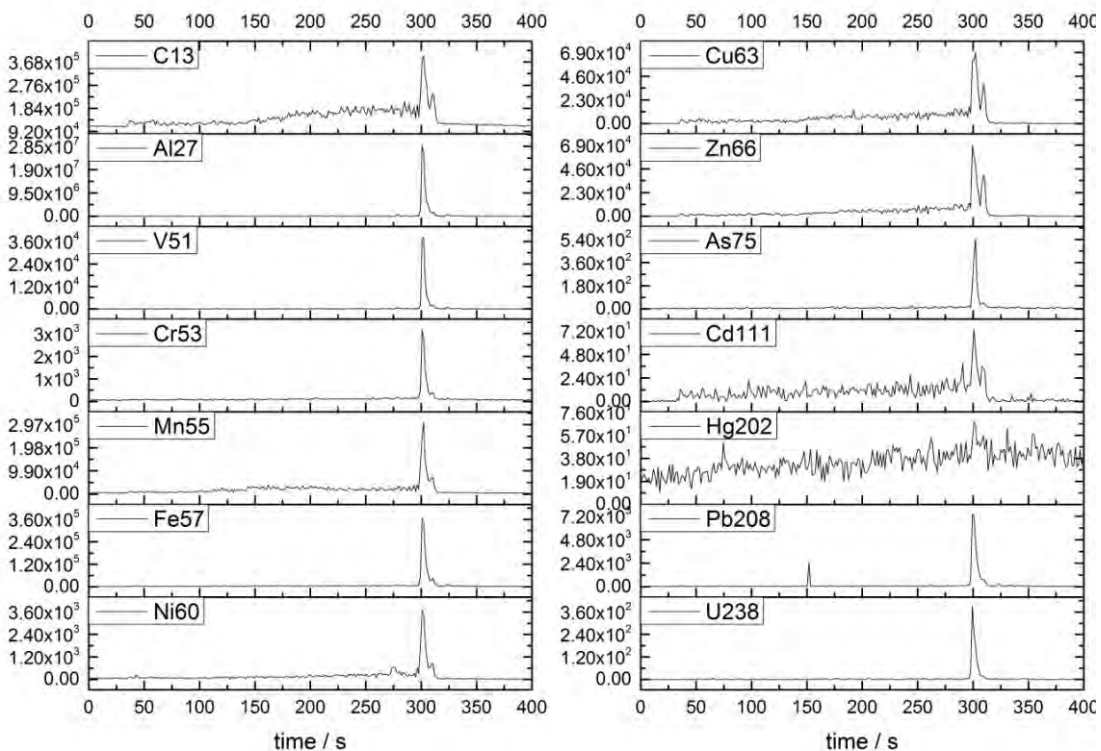
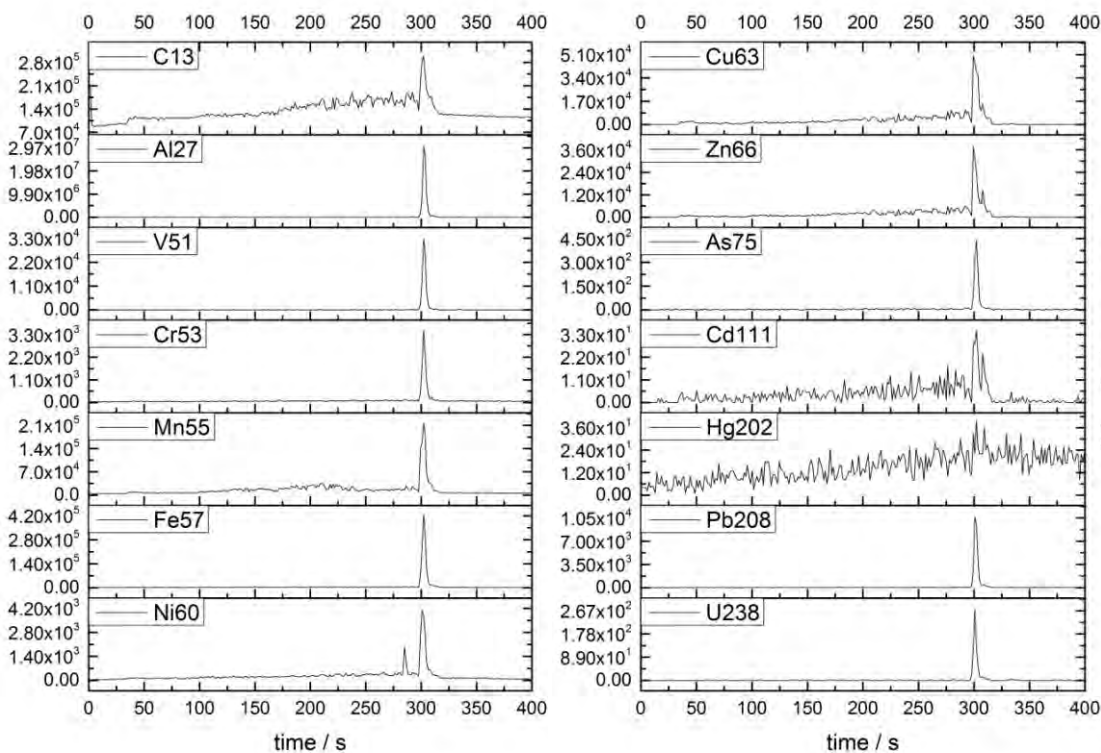


Kent Potato (Yukon) 5

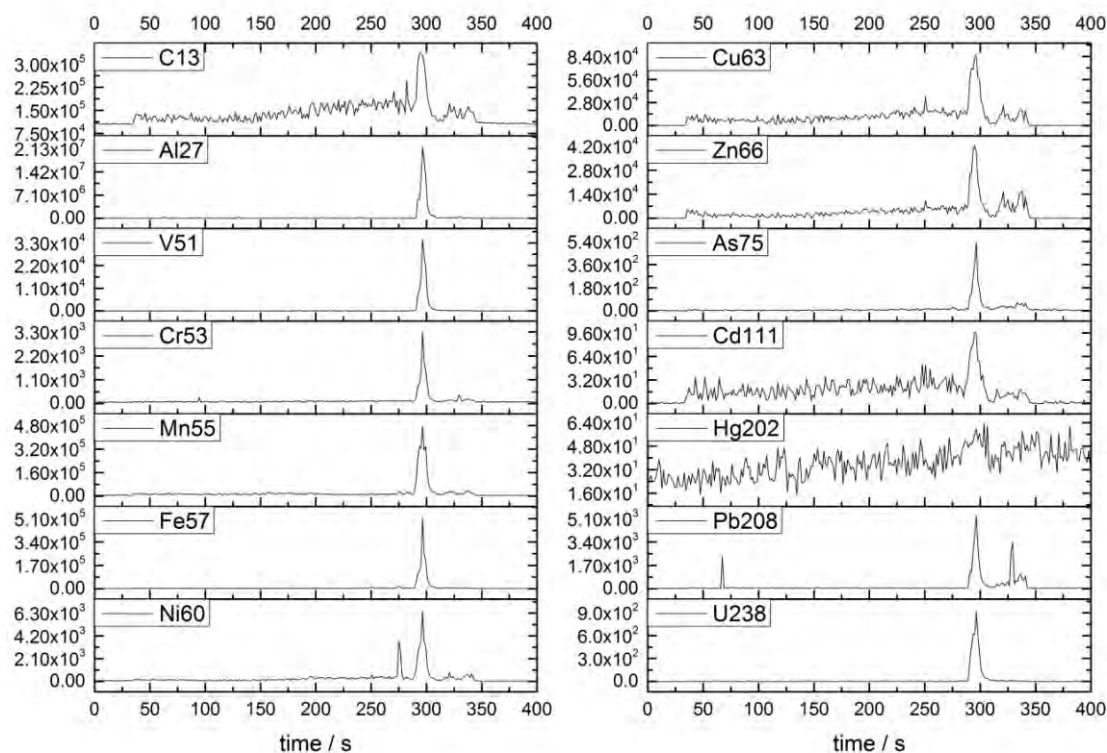
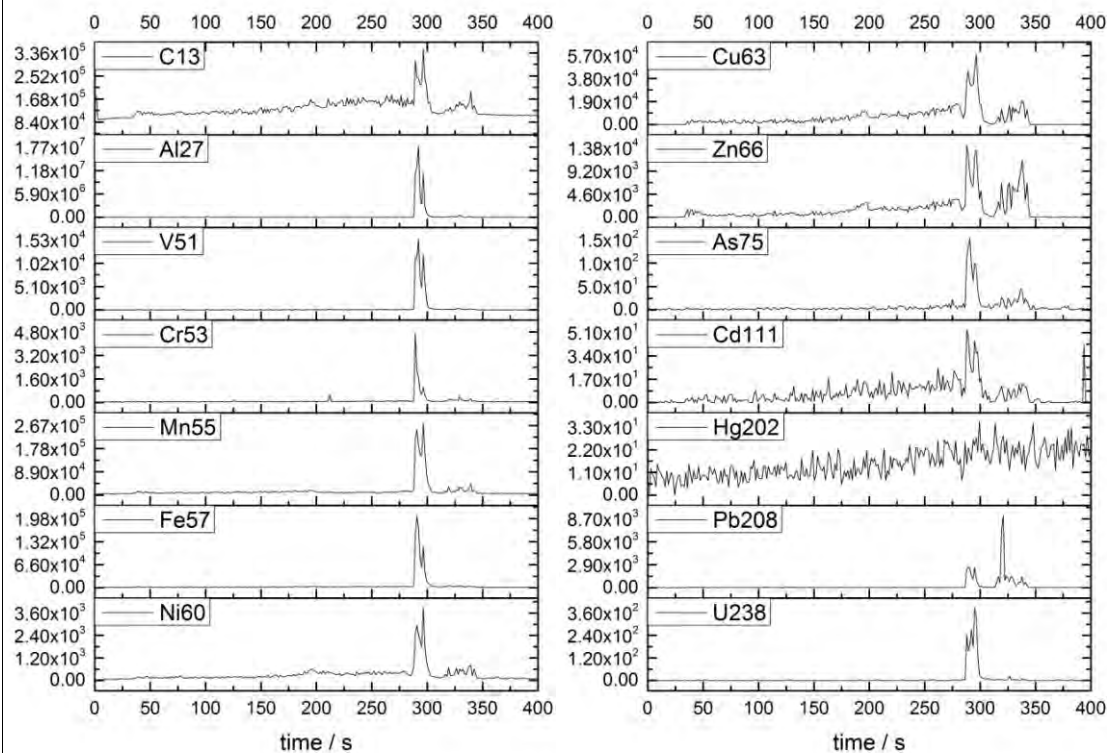


Kent Potato (Salad Blue) 5

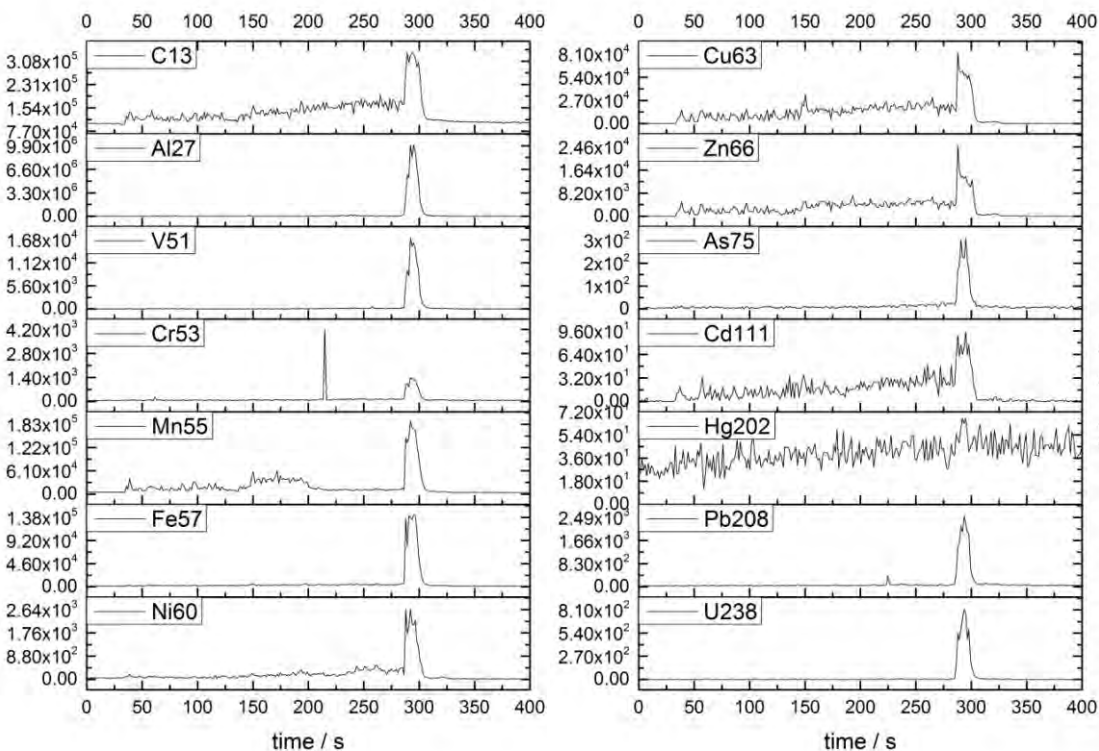
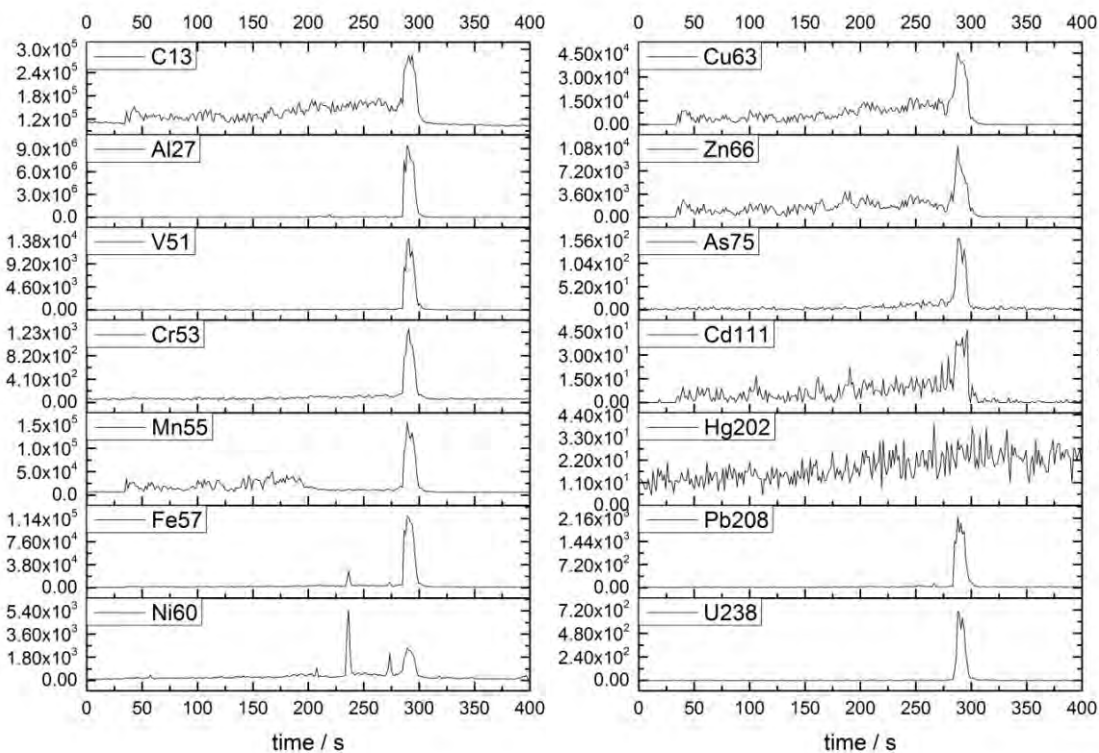


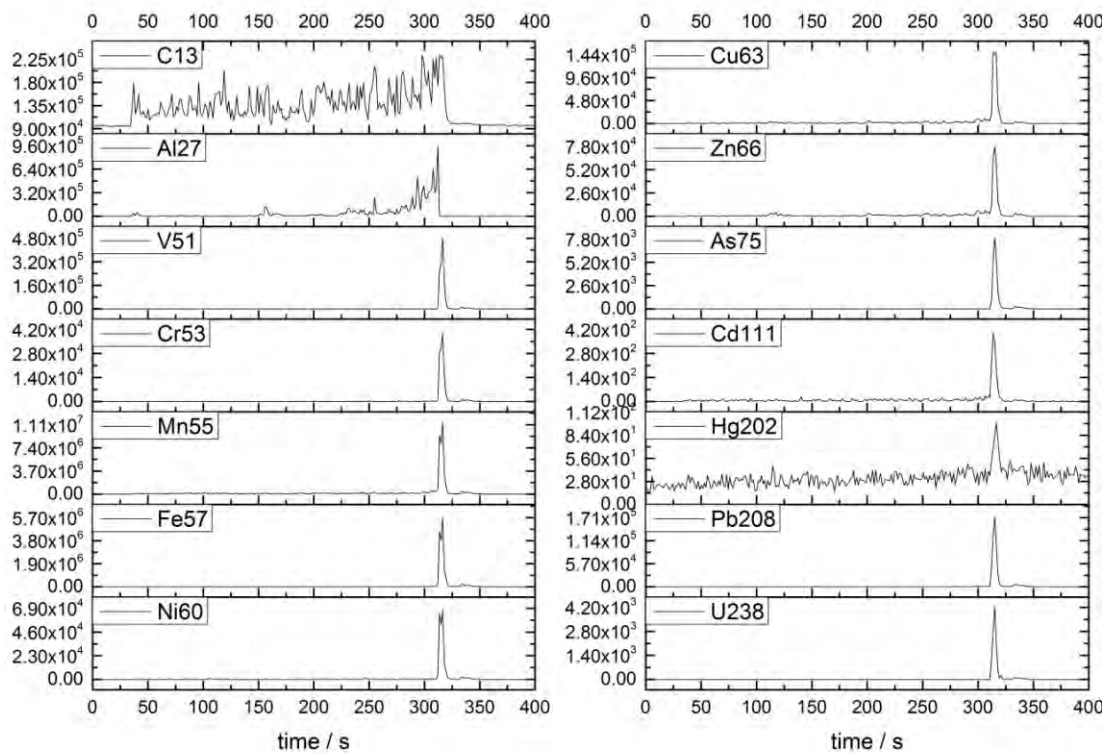
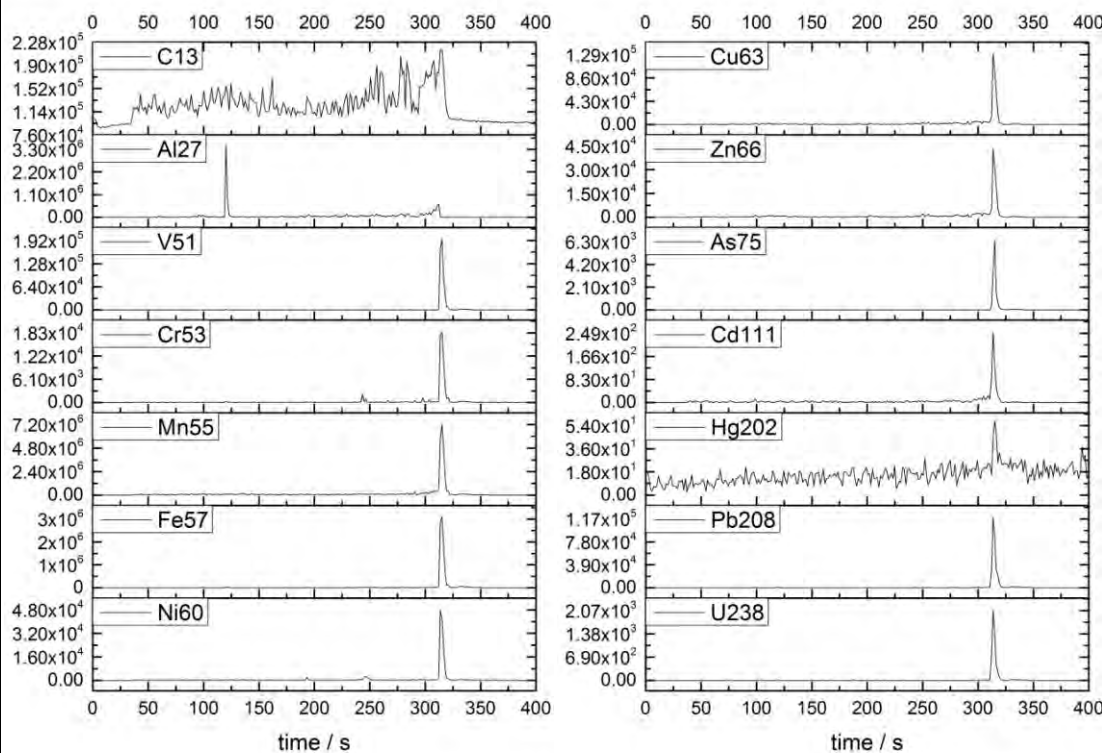


Kent Potato (Wilja) 1

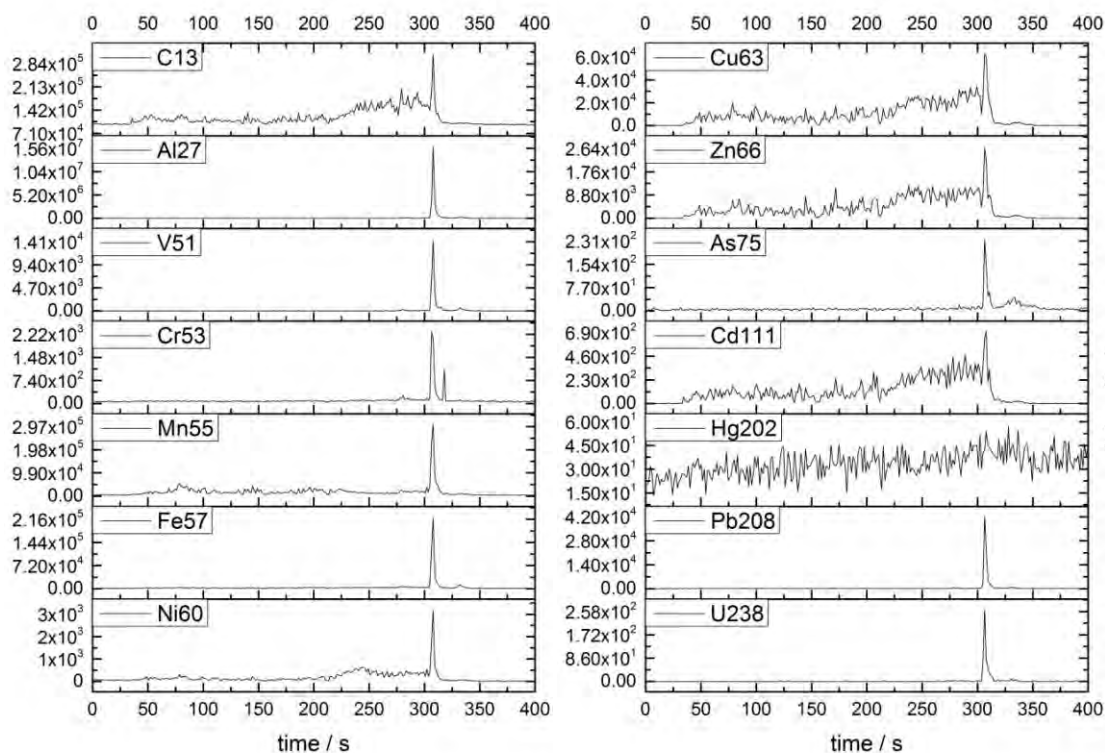
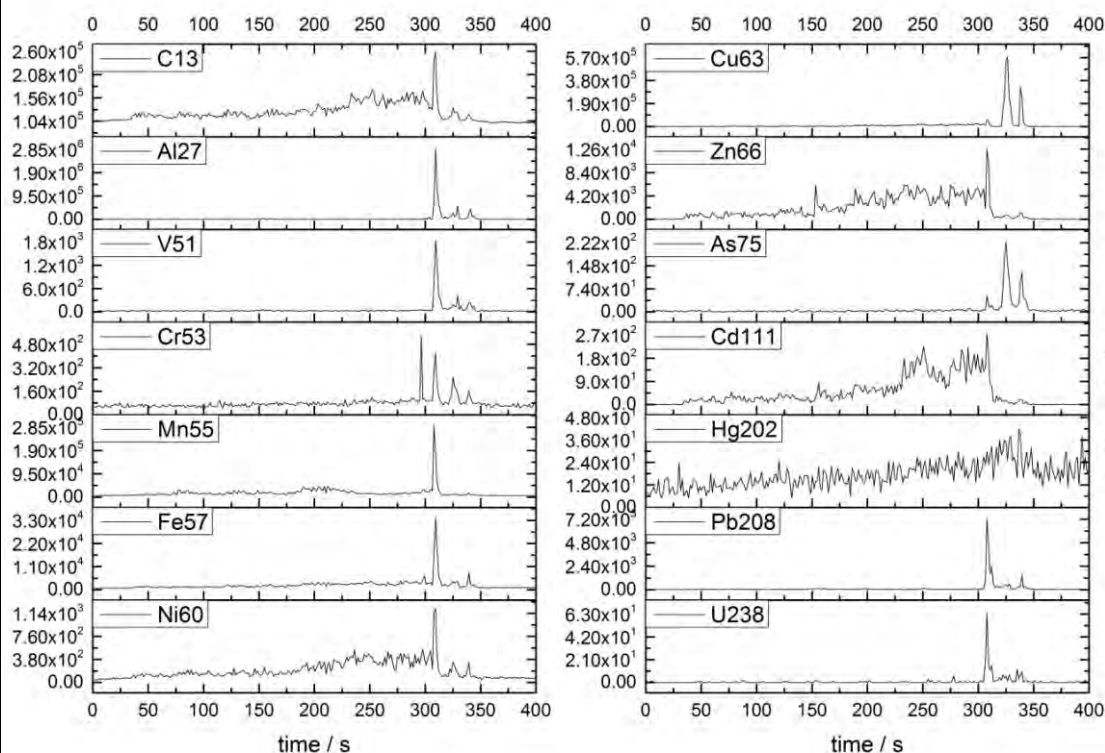


Kent Potato (Estima) 5

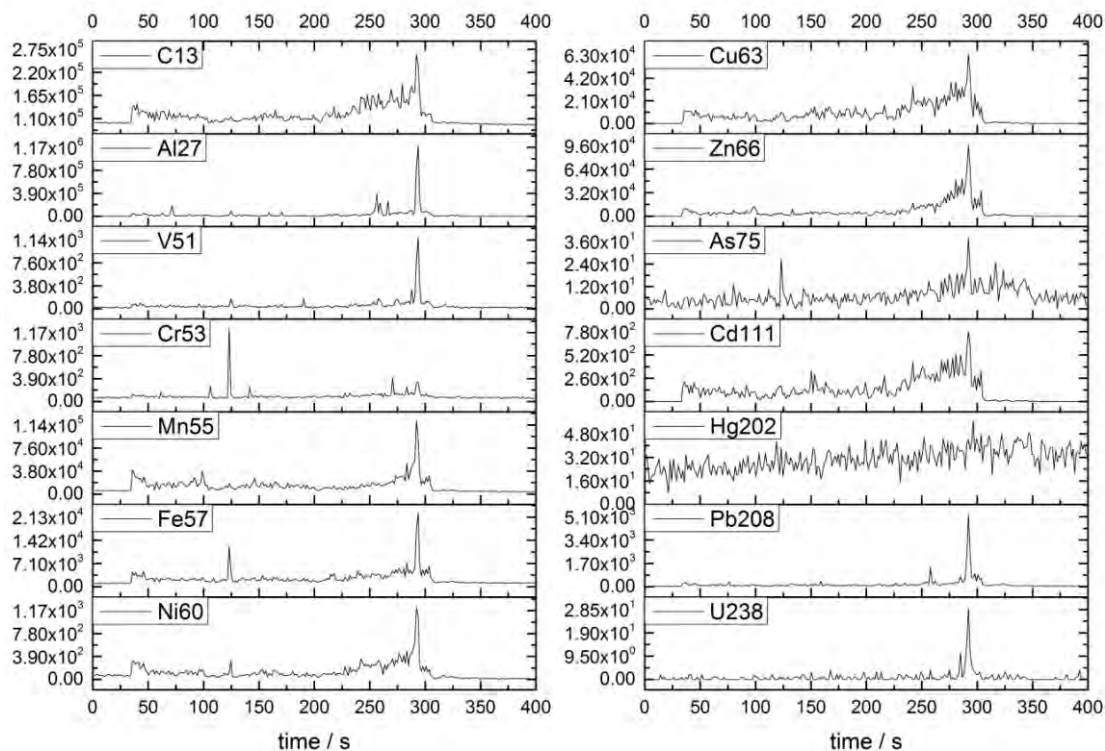
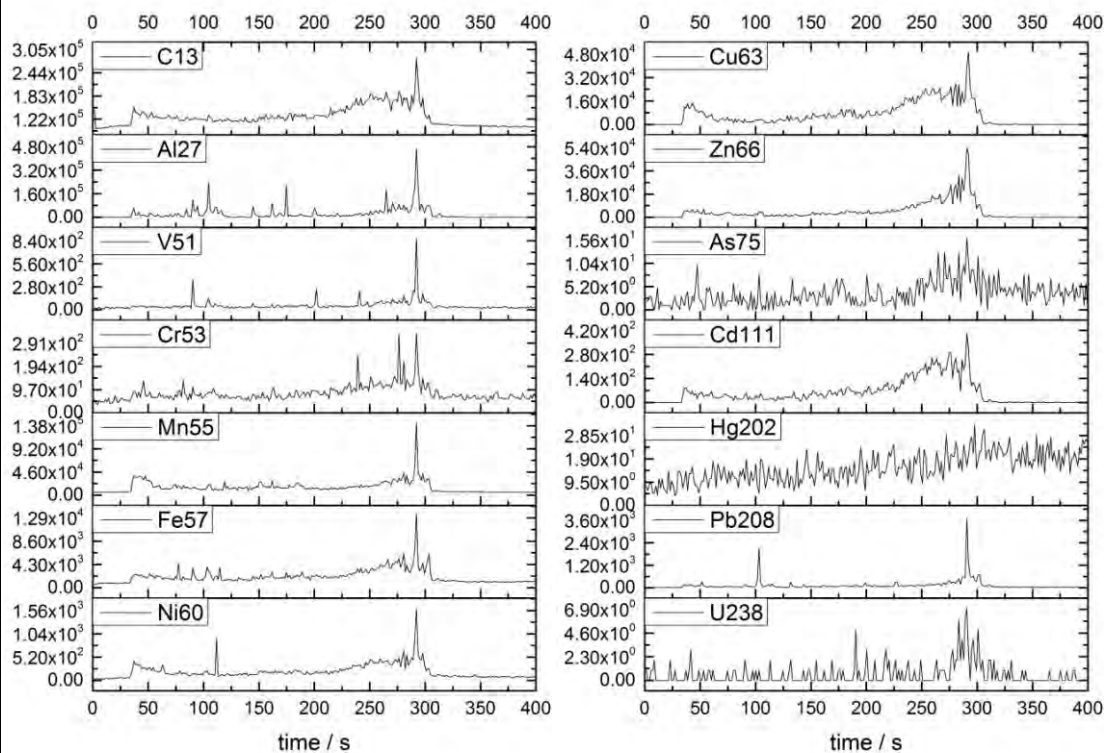




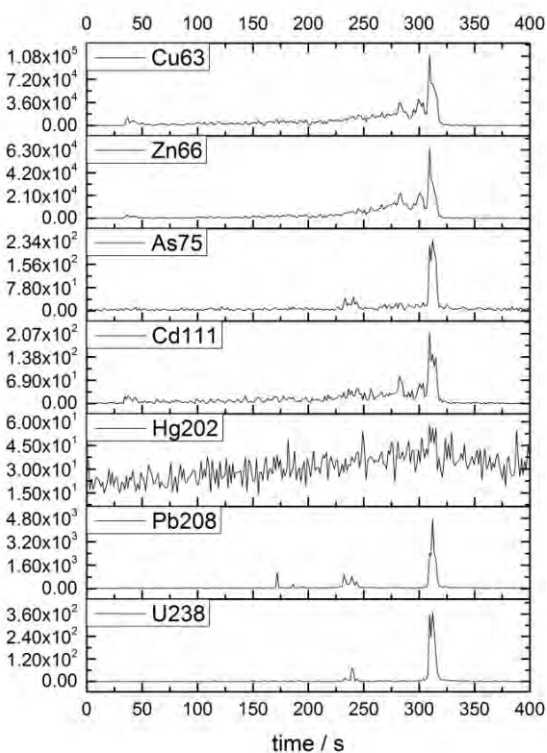
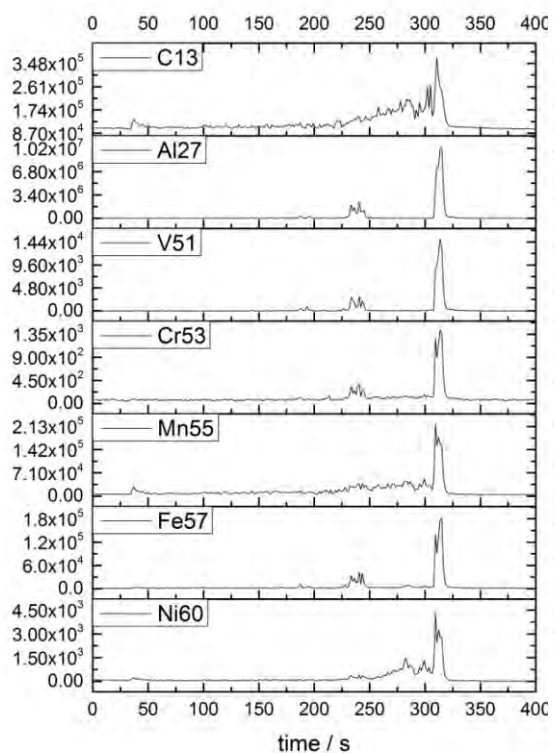
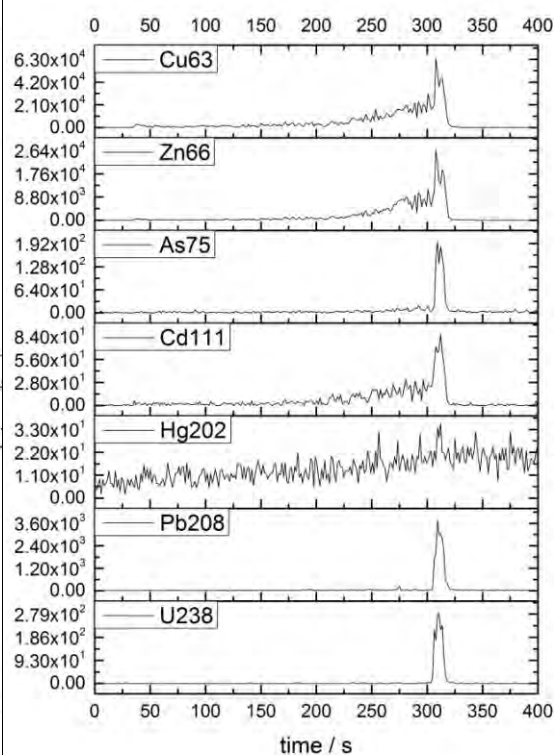
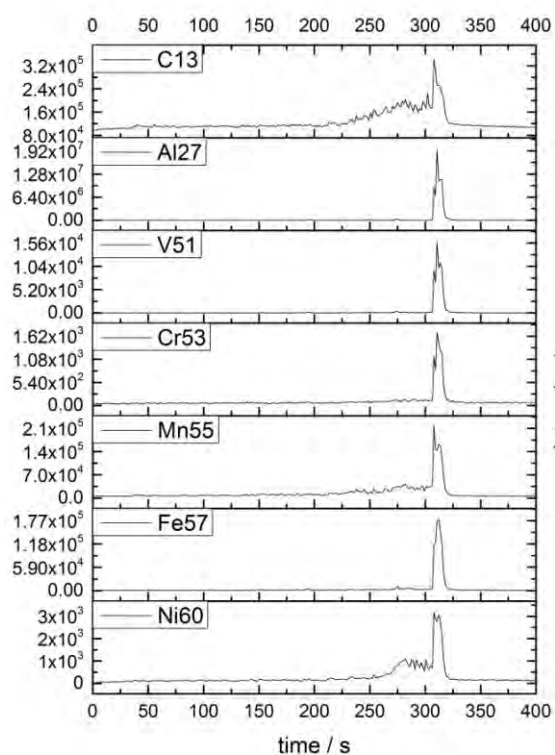
Derbyshire Potato (Maris Piper) 10



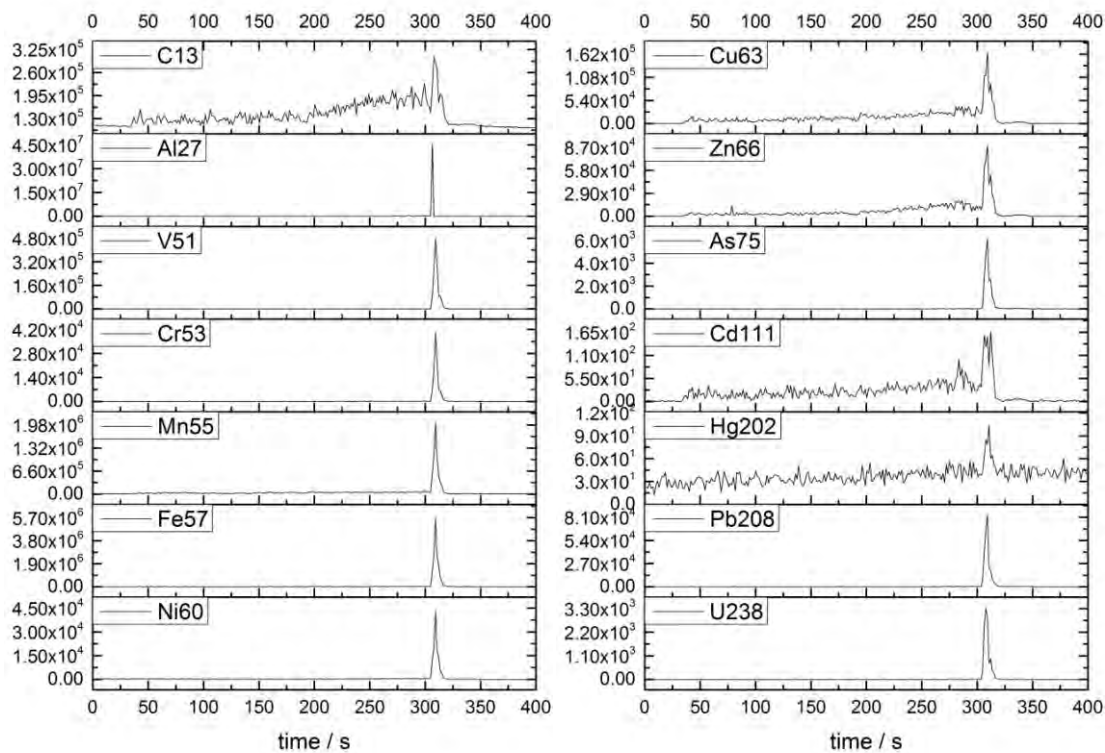
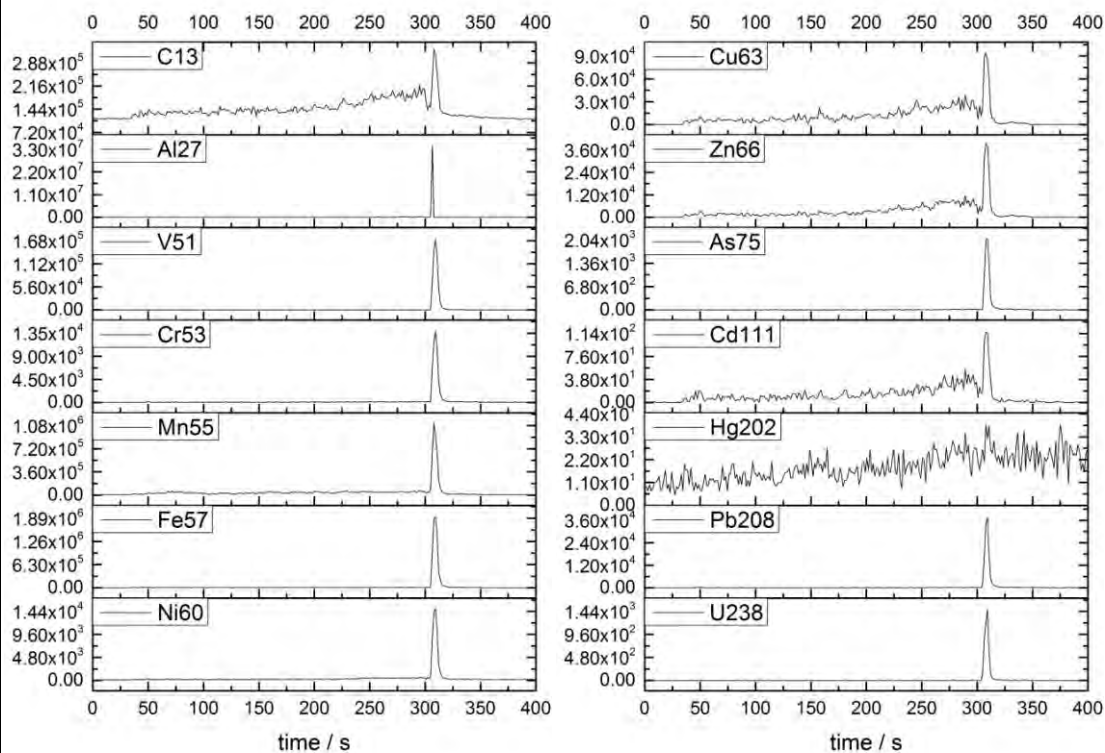
Derby Potato (Maris Piper) 14

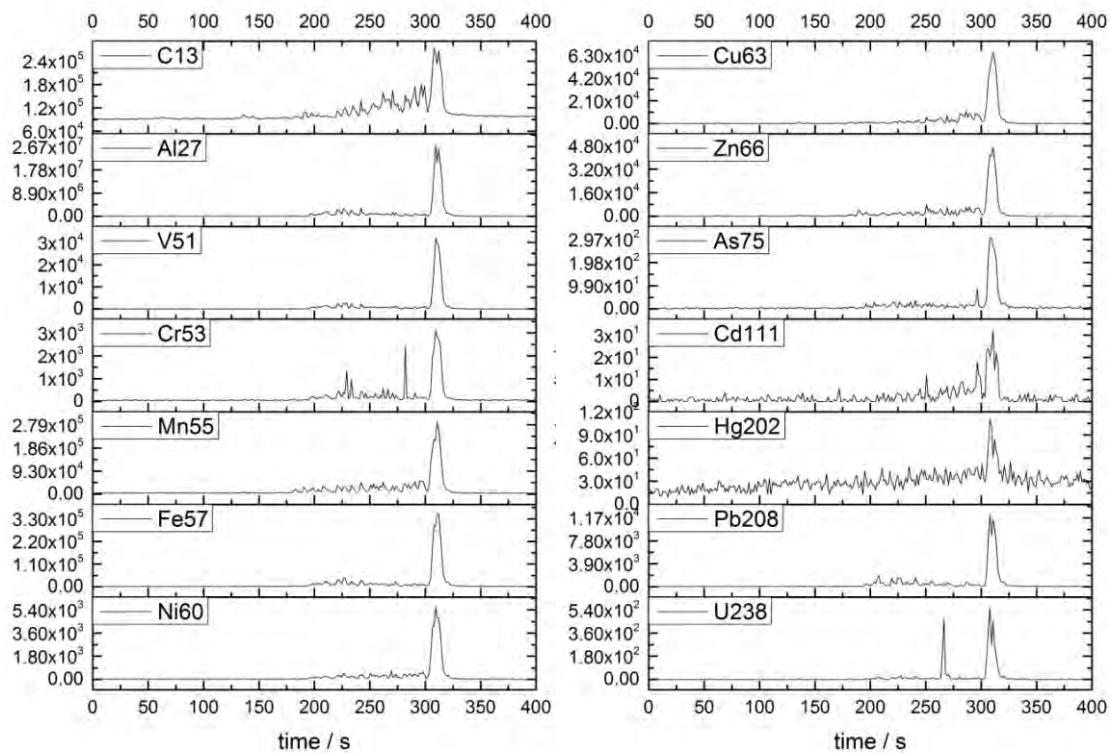
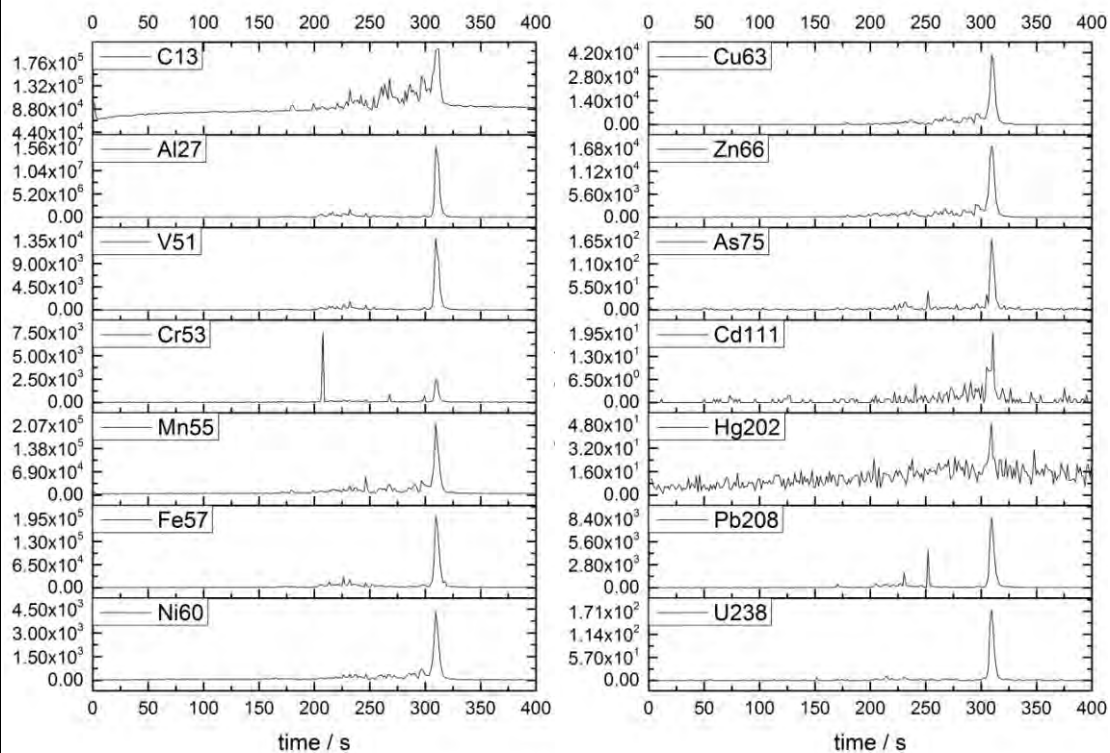


Kent Potato (Estima) 3

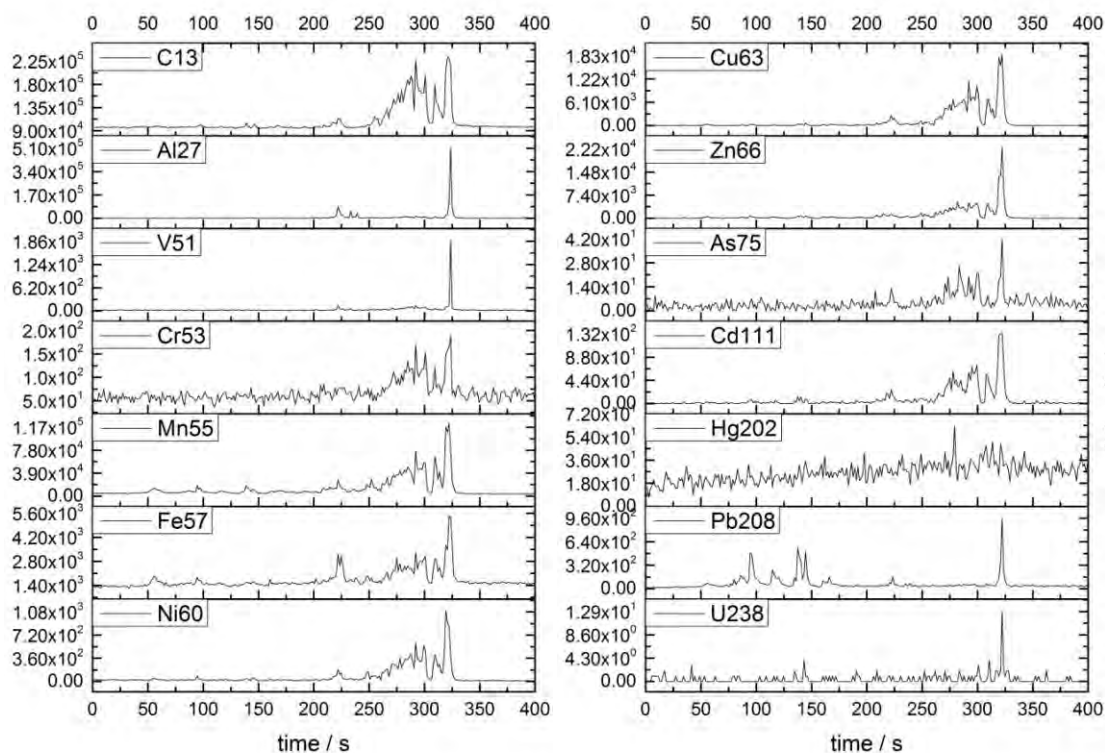
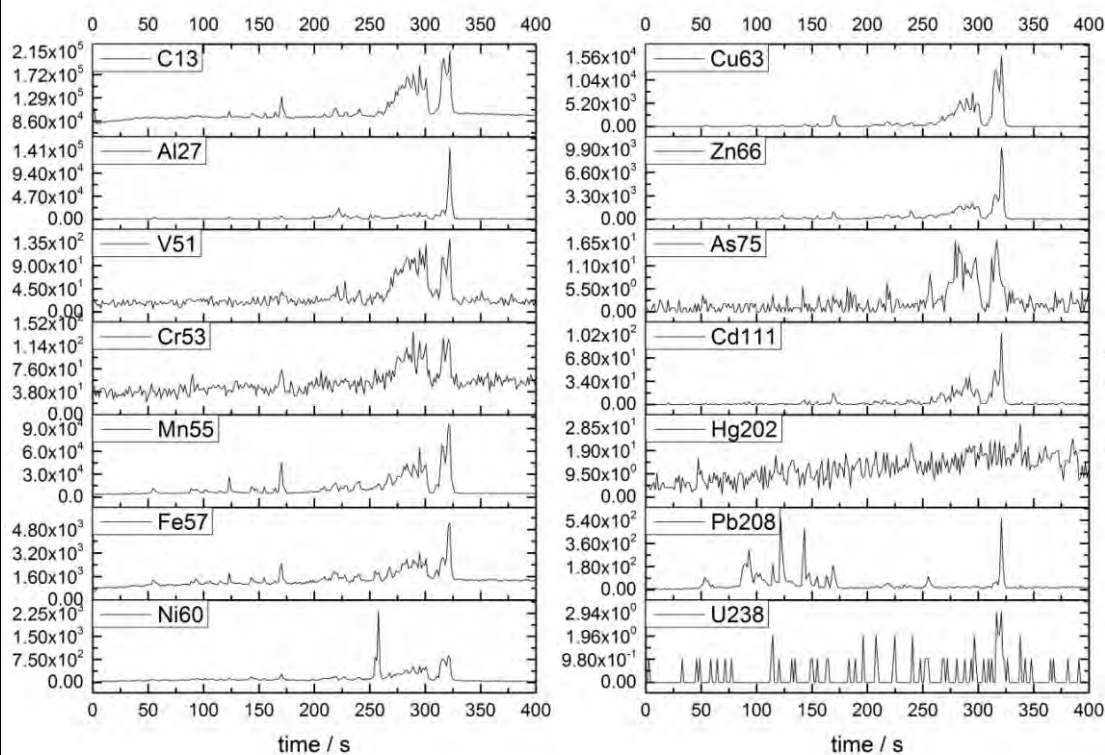


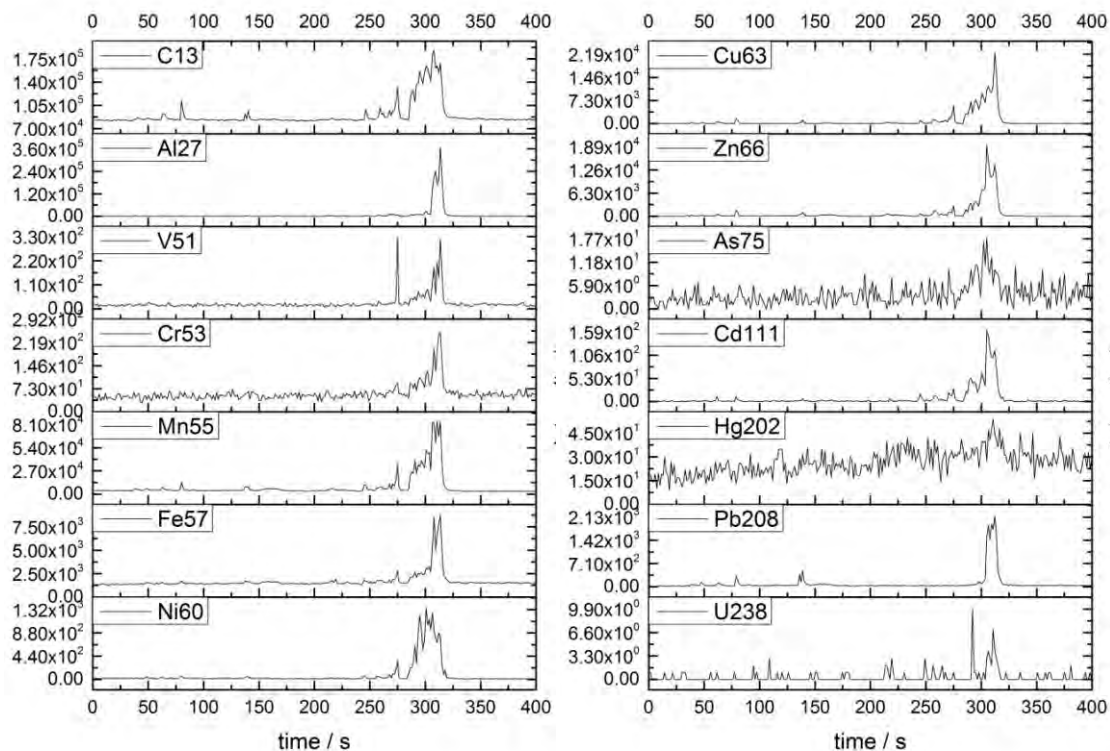
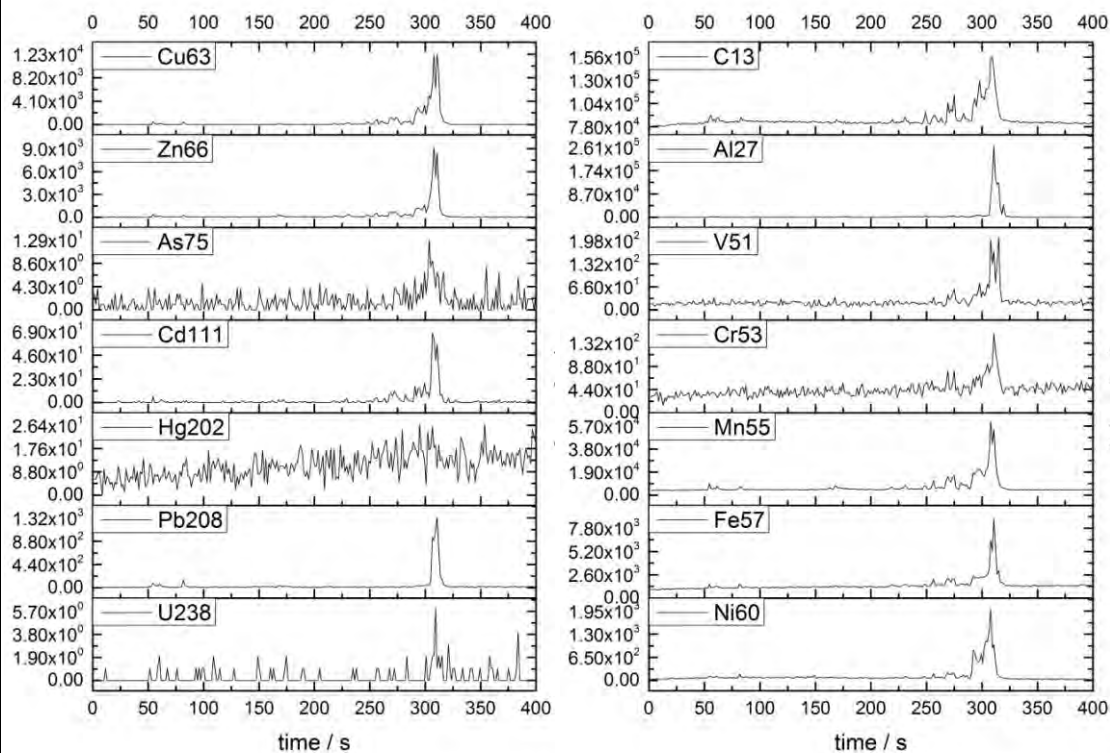
Kent Potato (La Ratte) 1

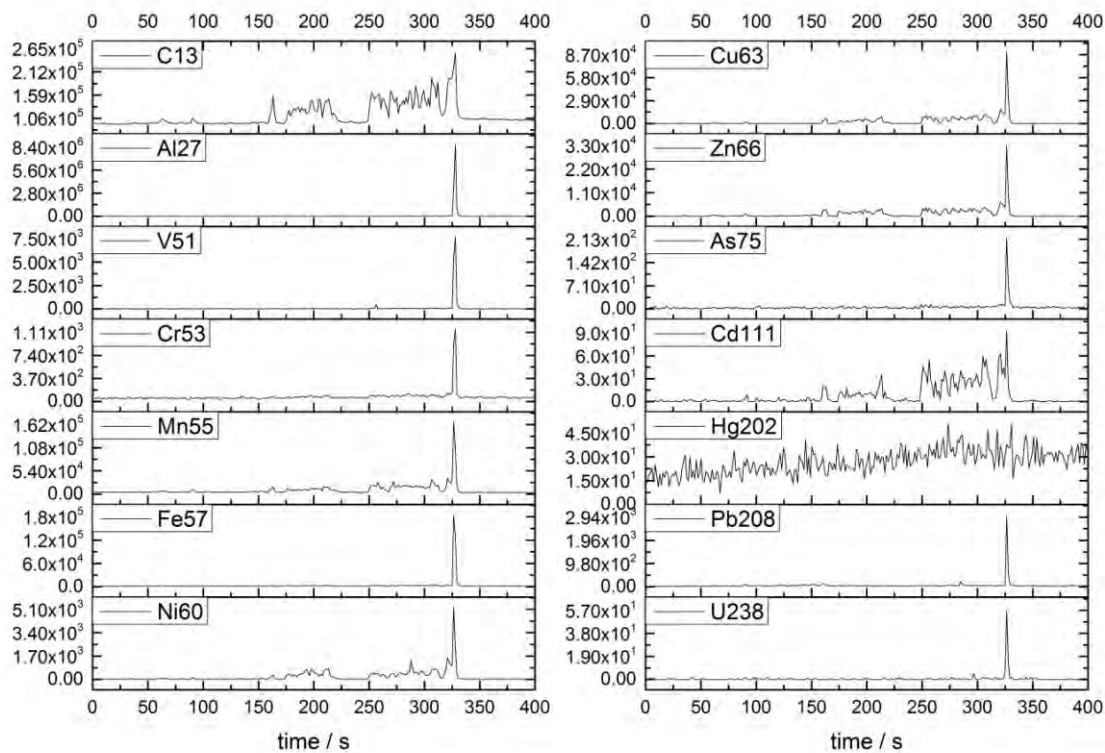
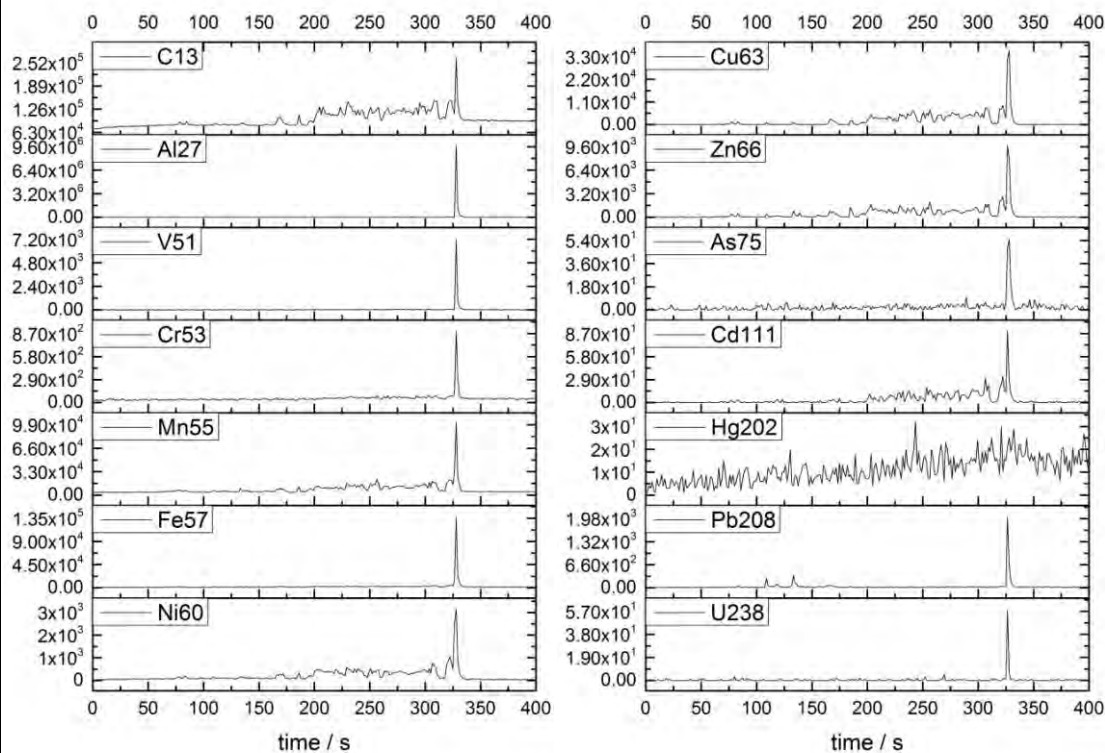




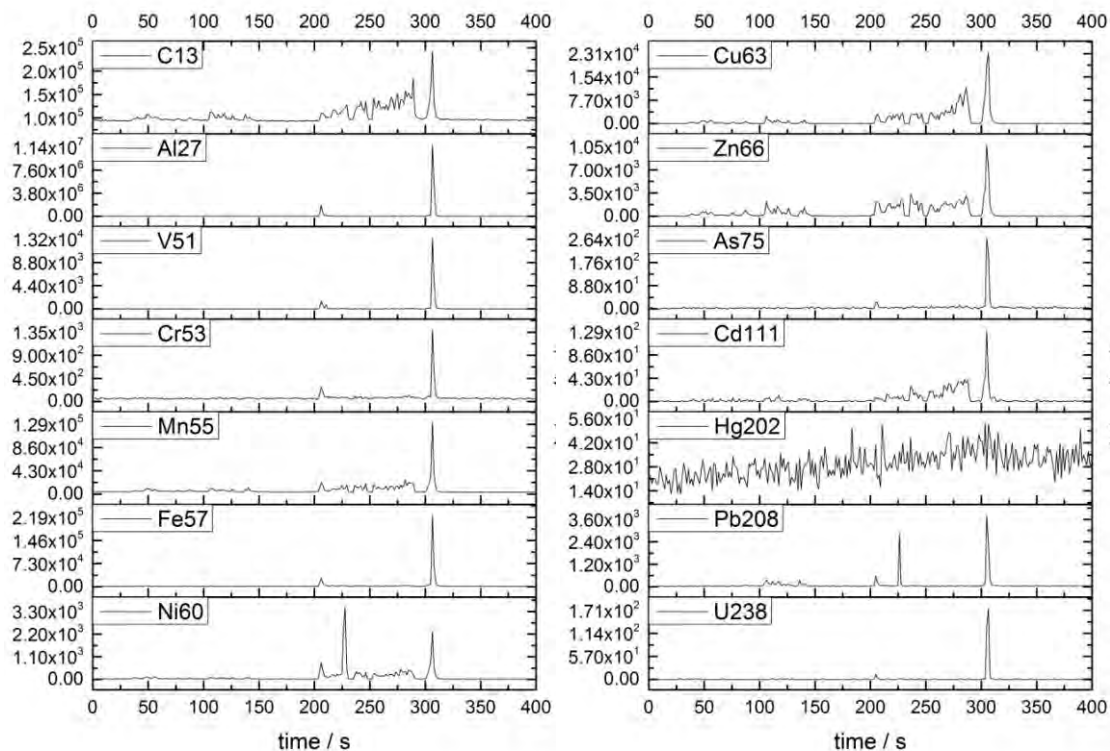
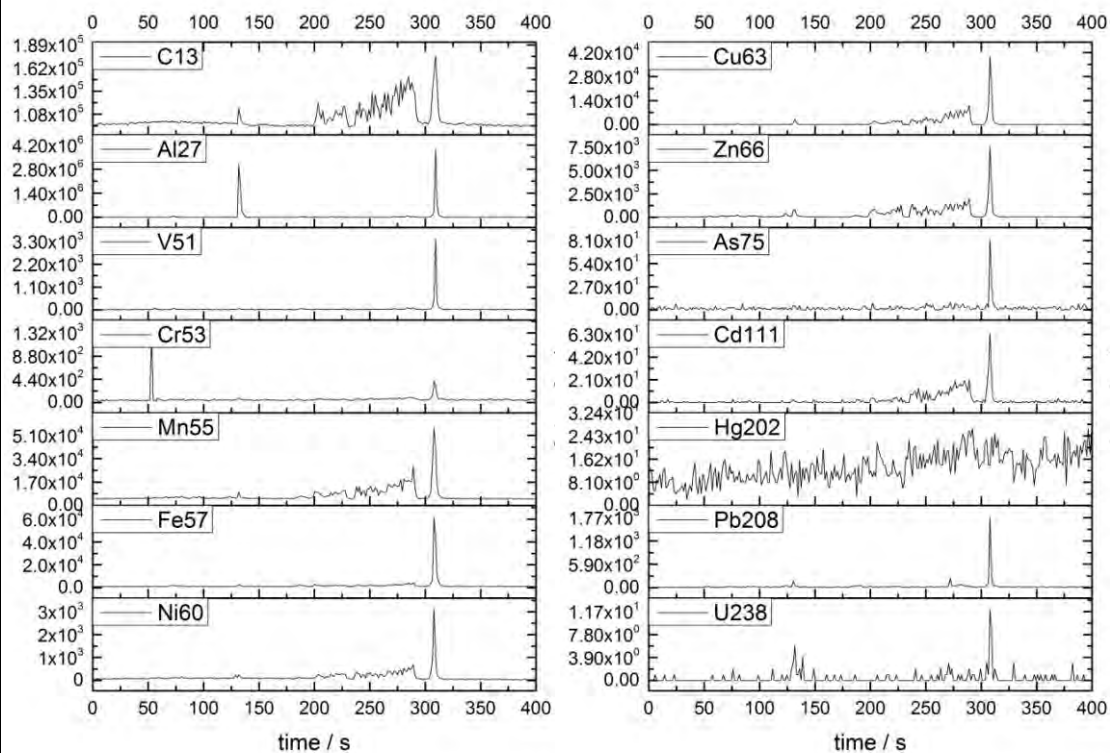
Kinross Carrot 1



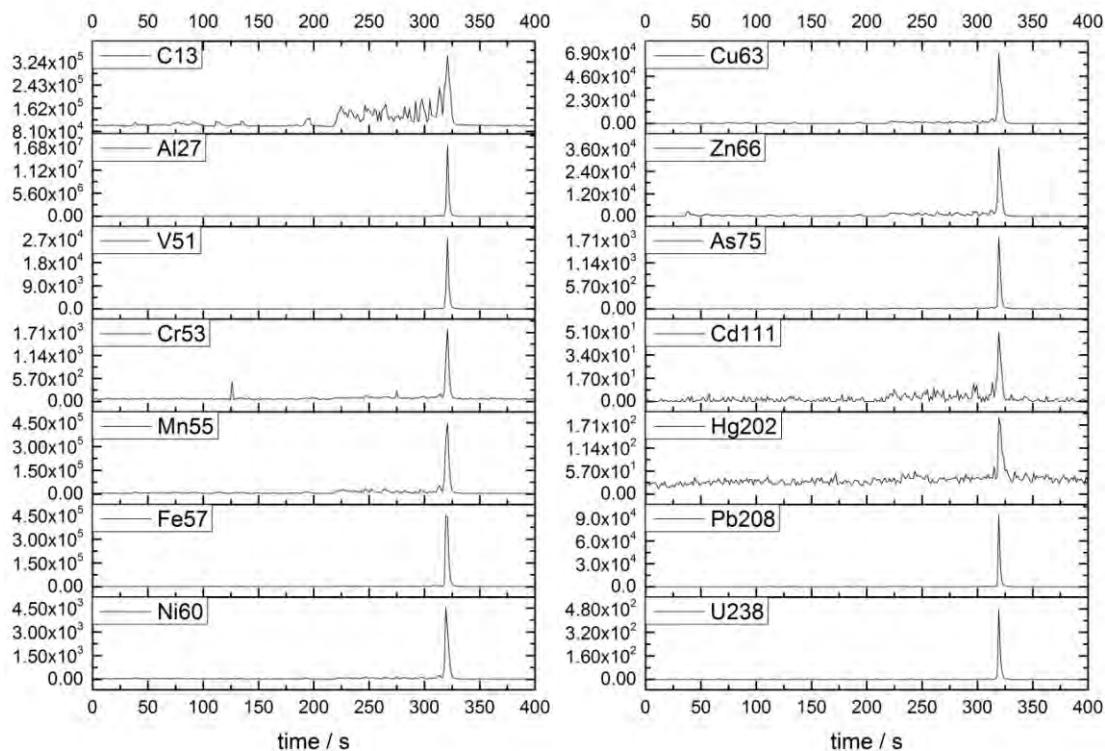
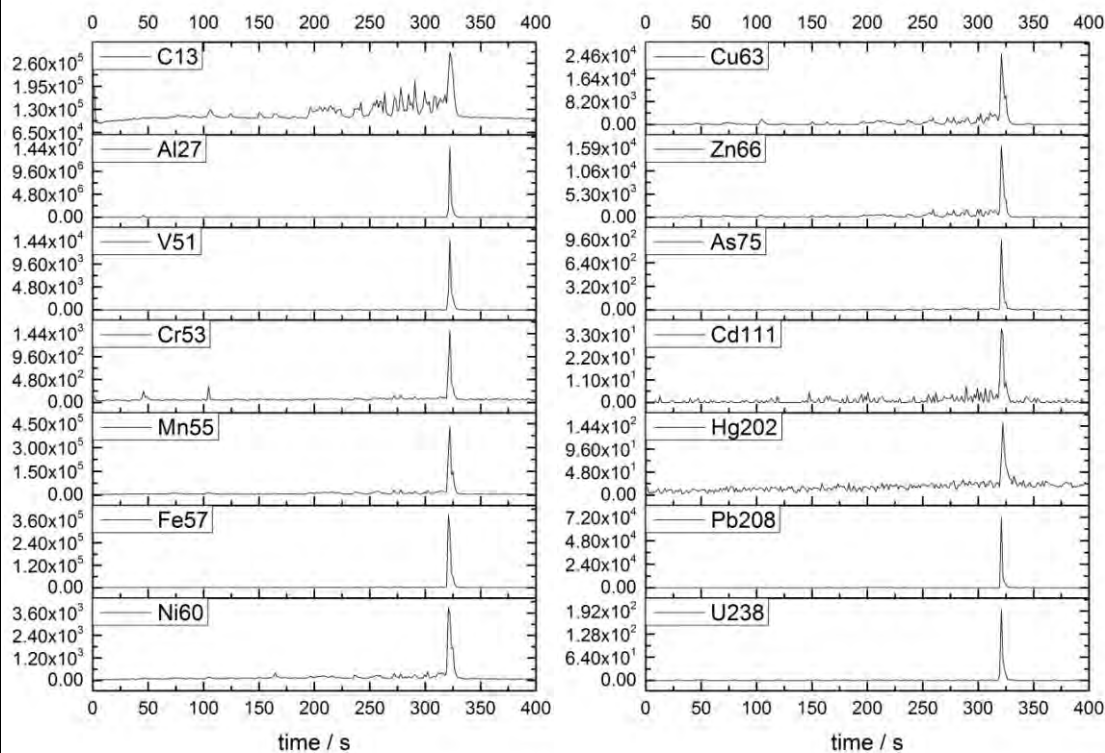




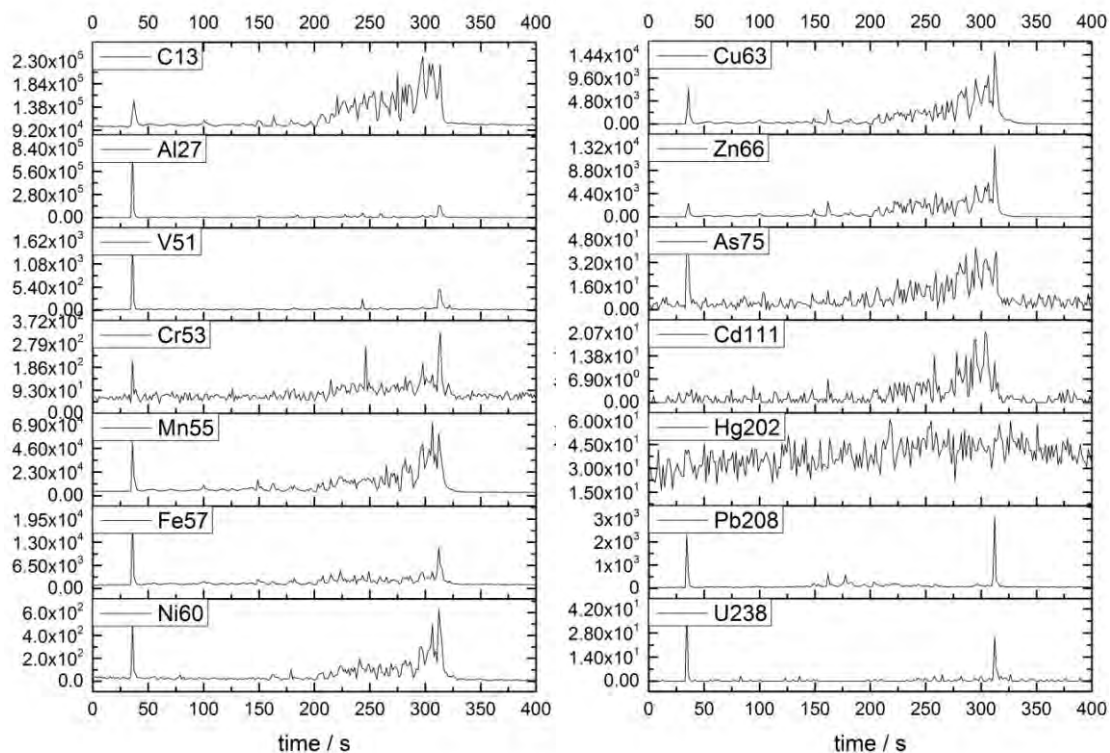
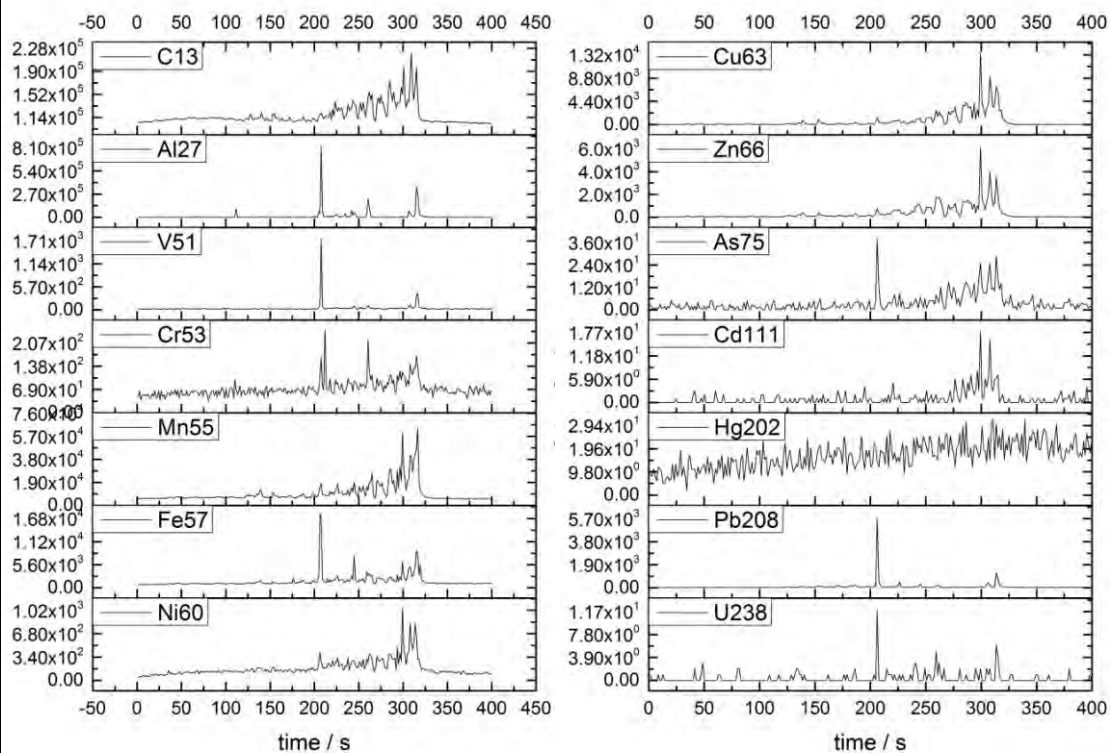
Leicestershire Carrot 4



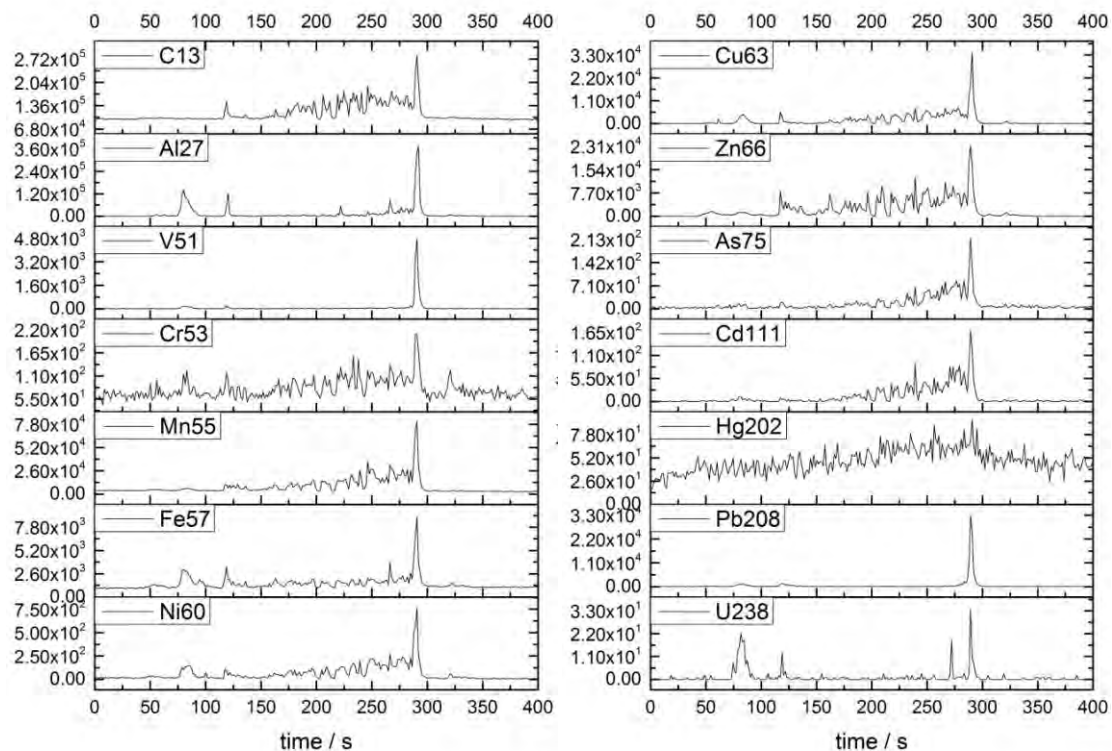
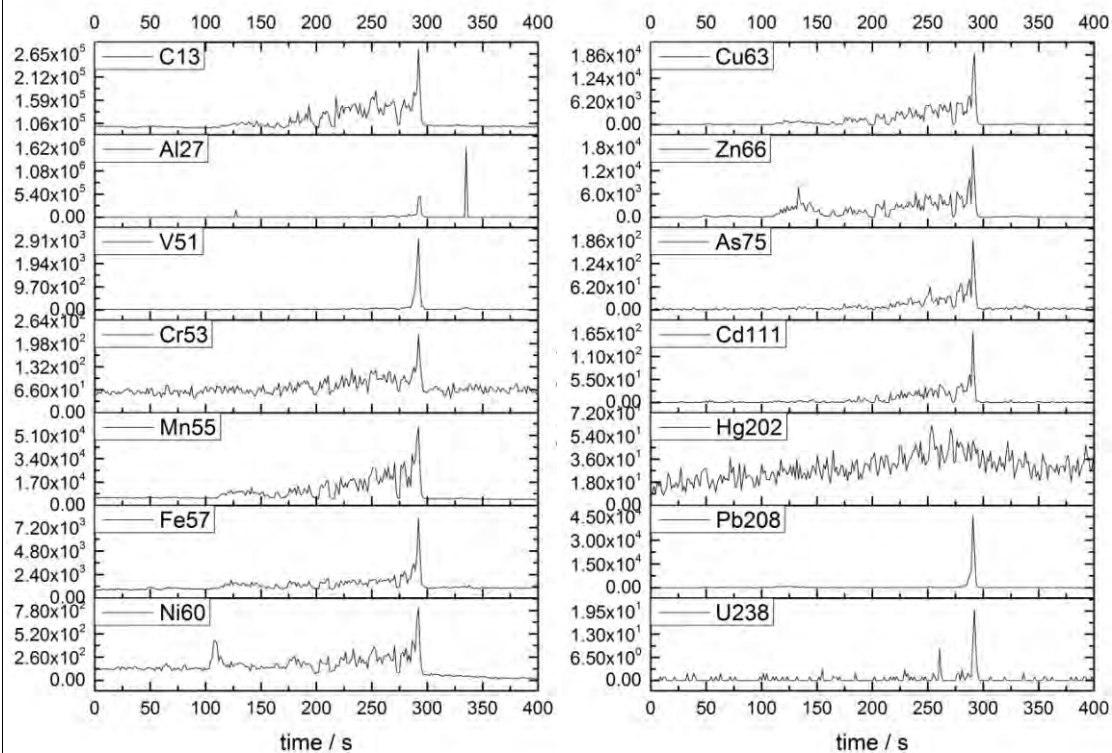
Gloucestershire Carrot 3



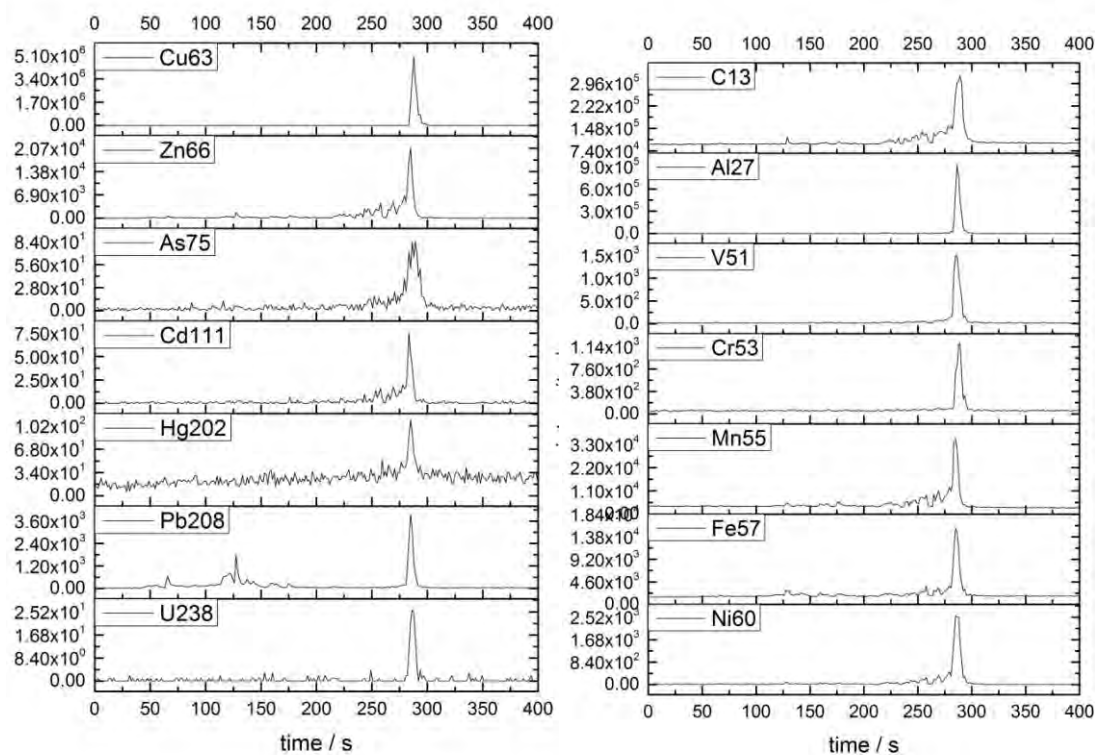
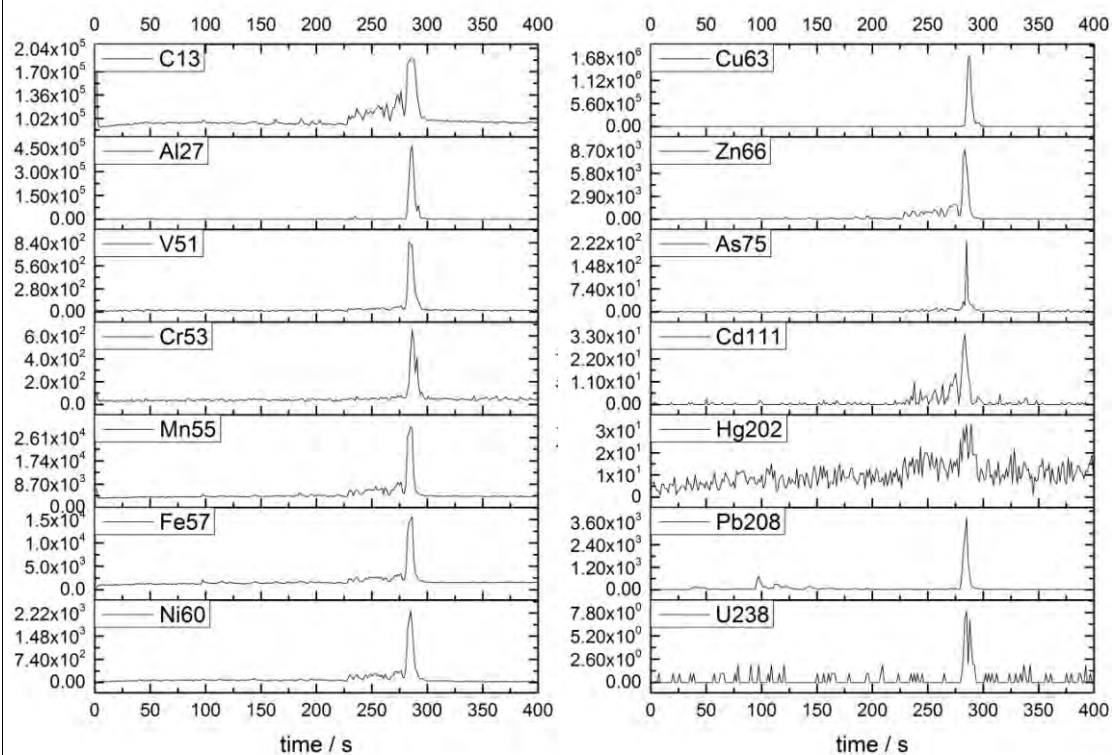
Gloucestershire Carrot 2

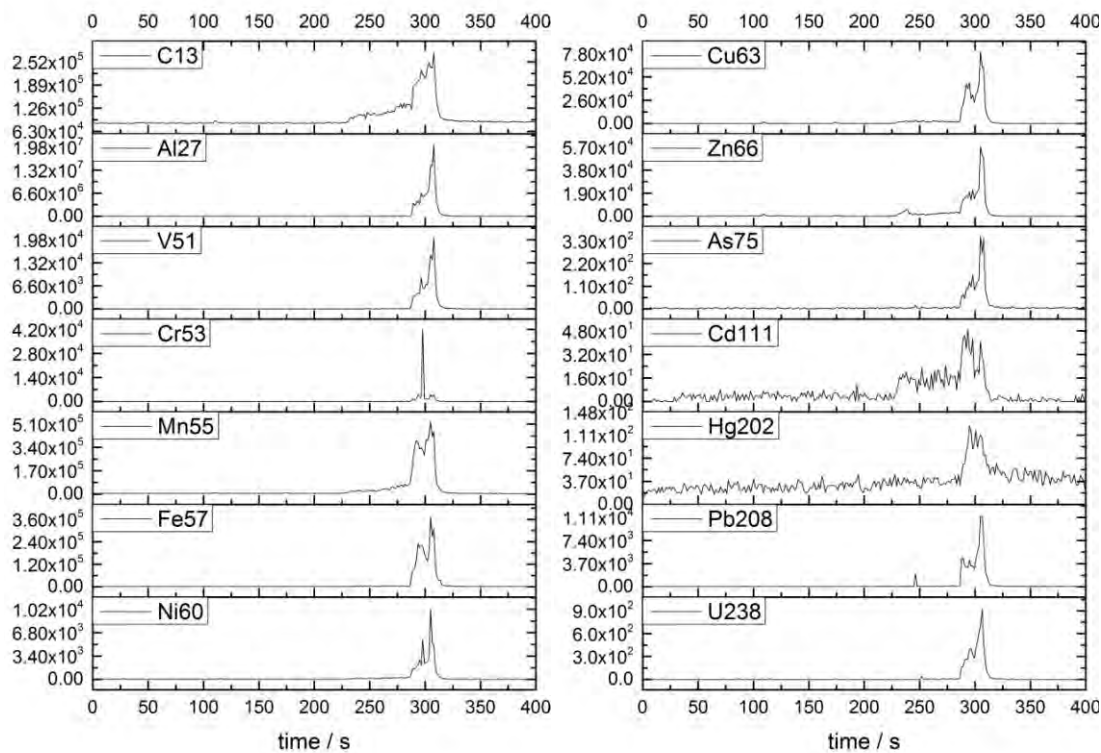
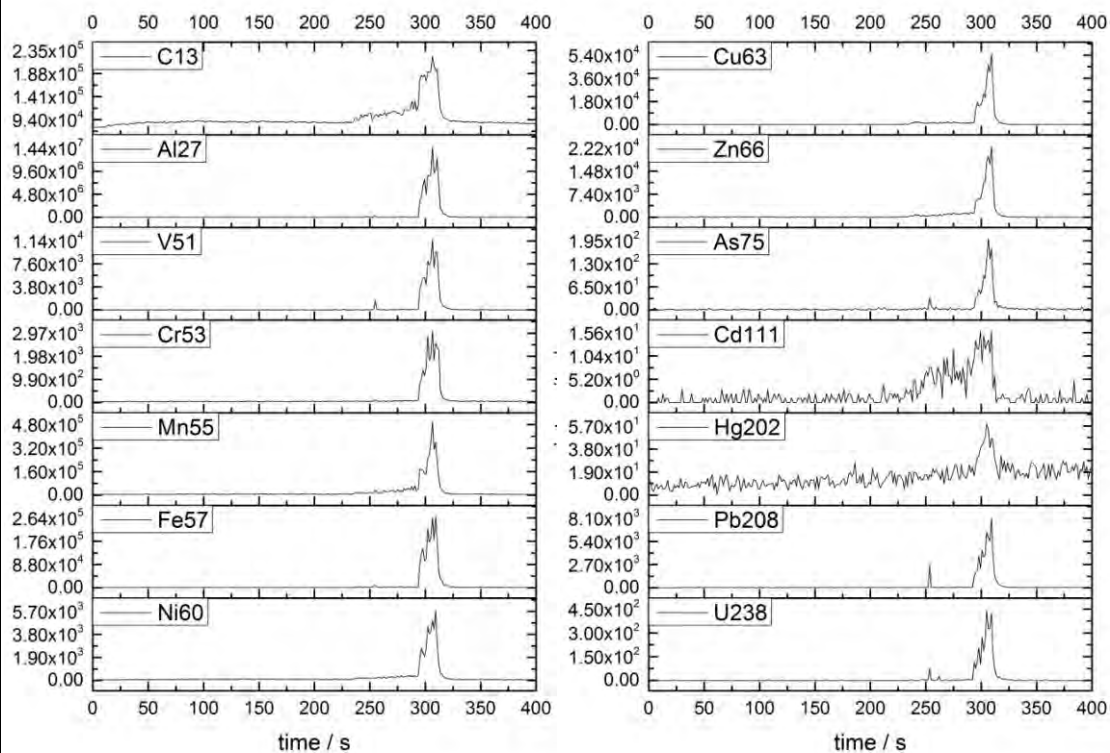


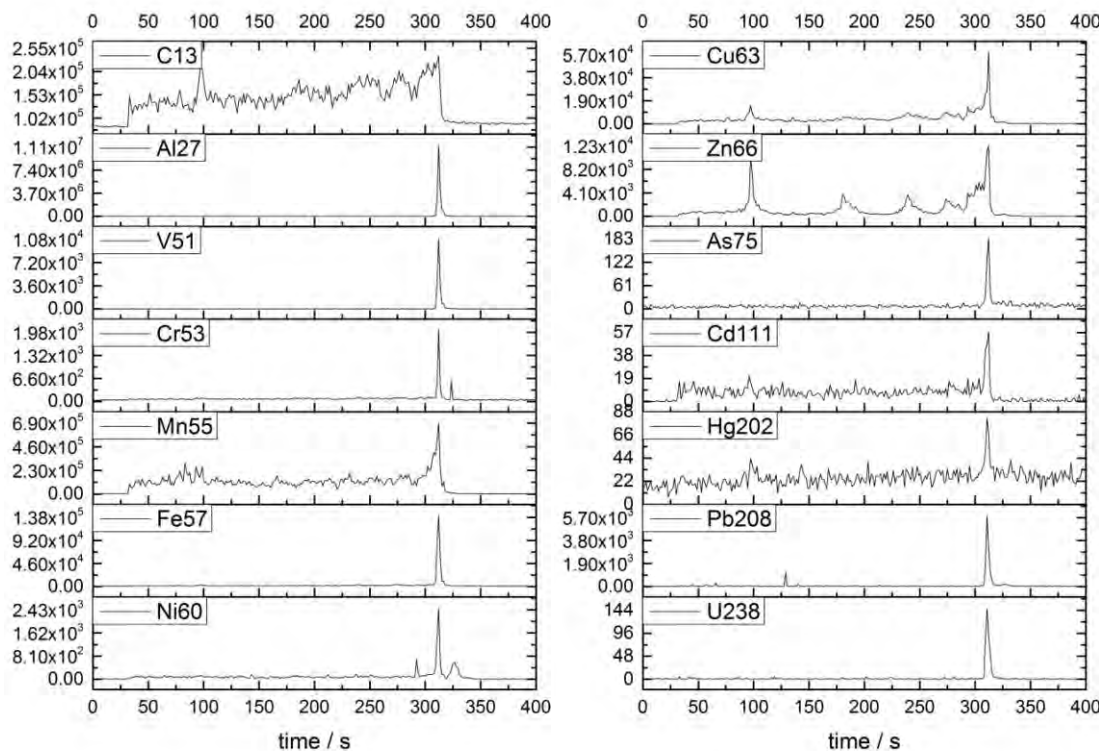
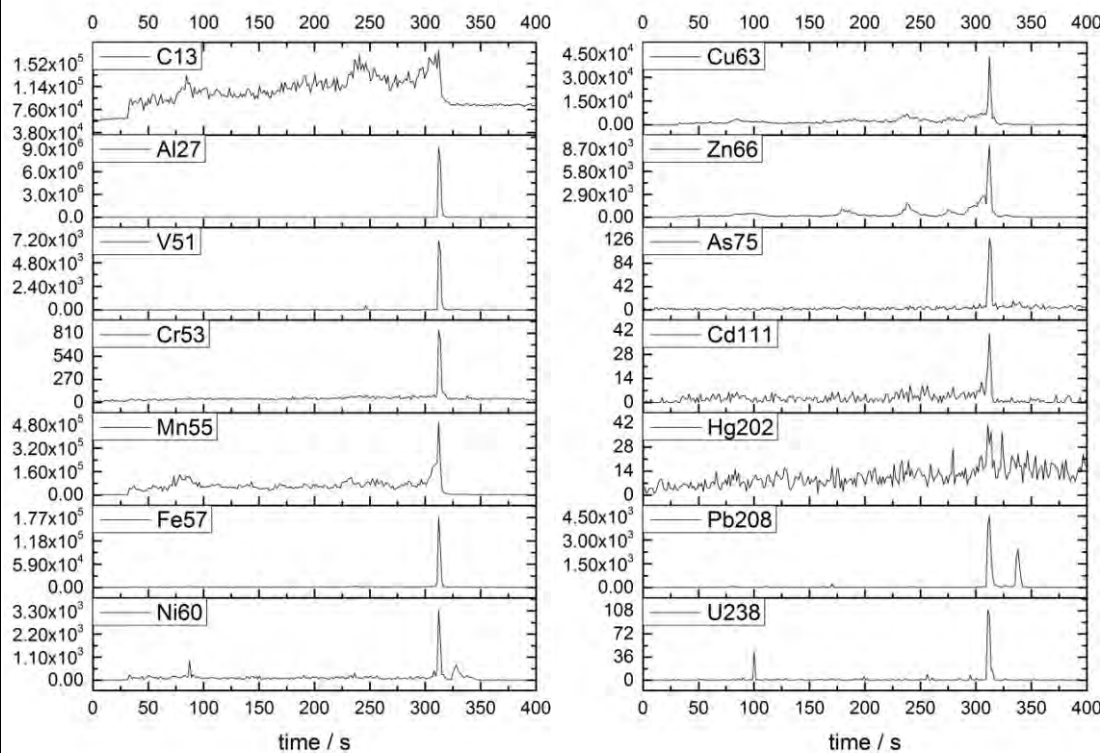
Wales Carrot 4

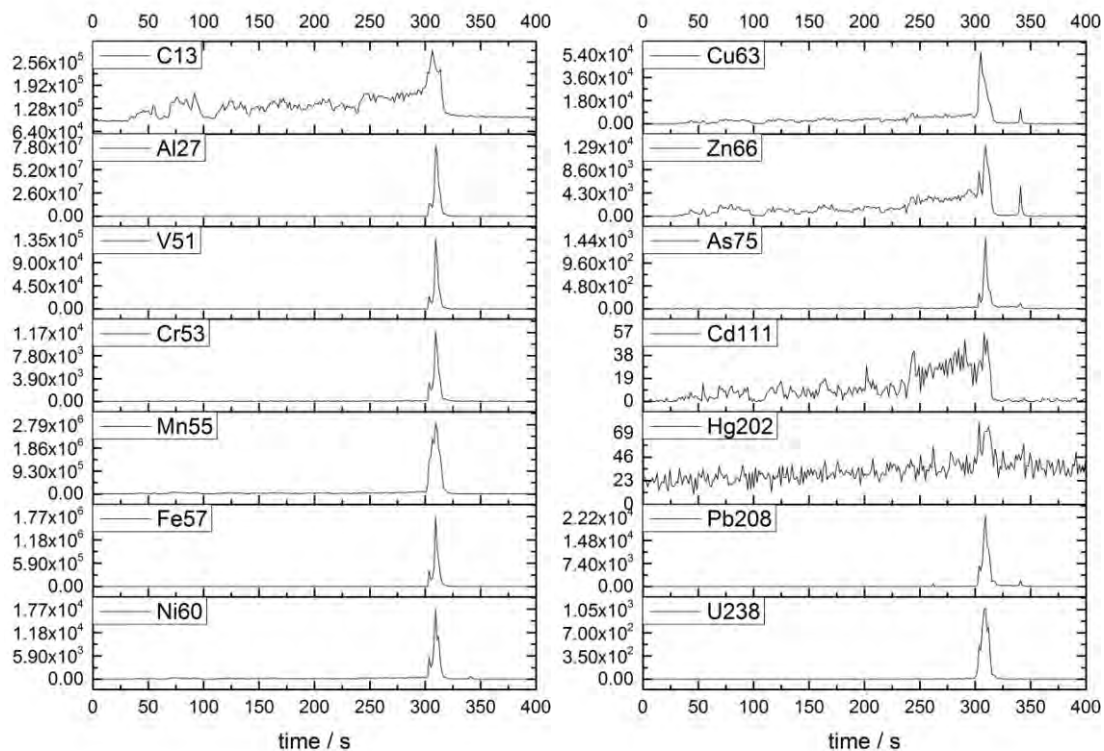
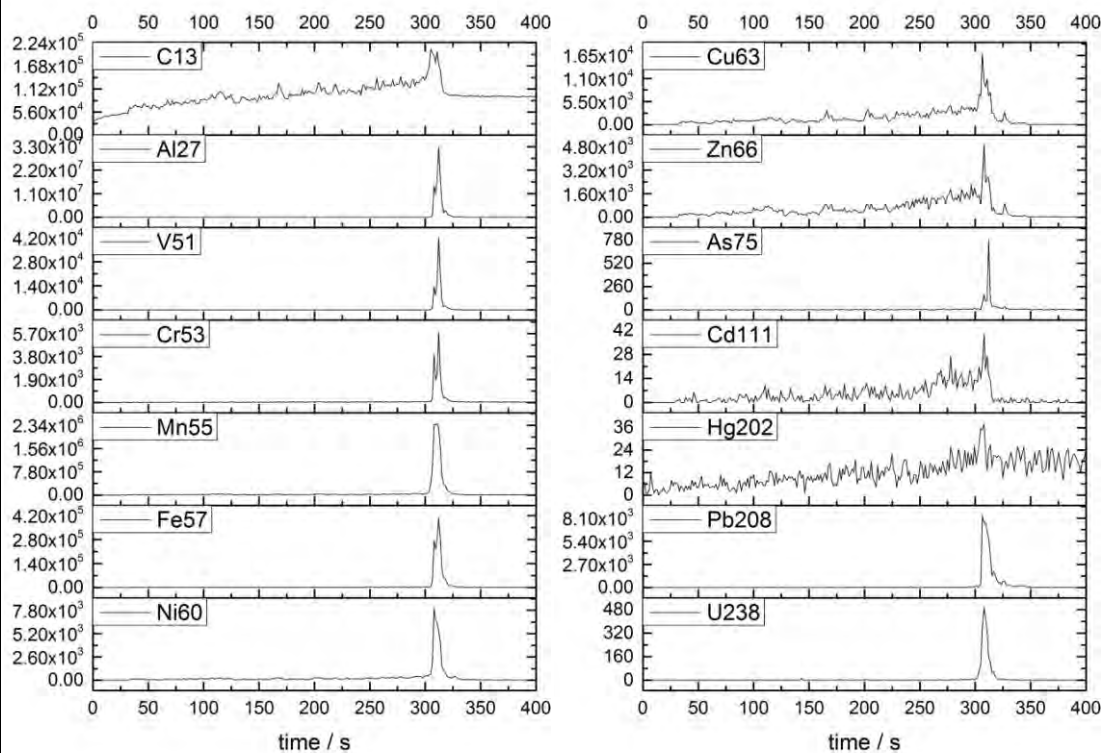


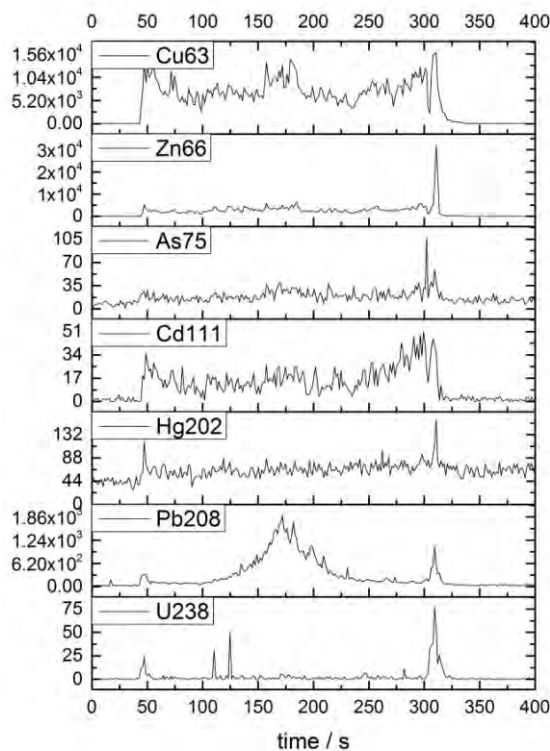
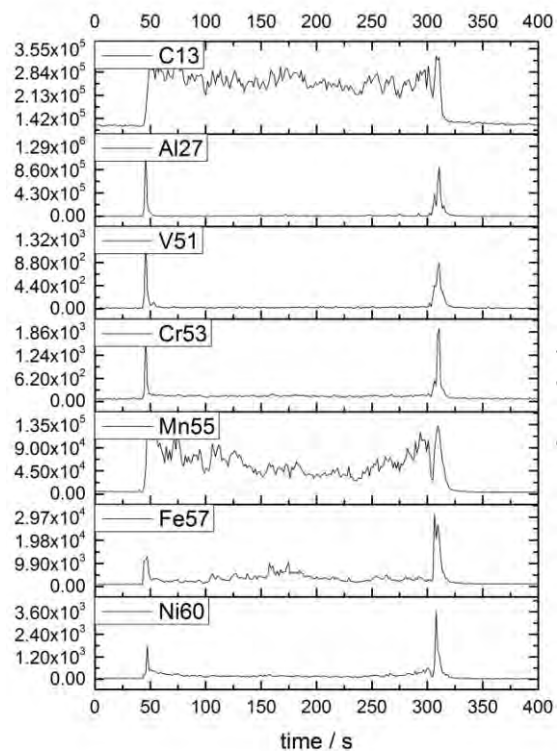
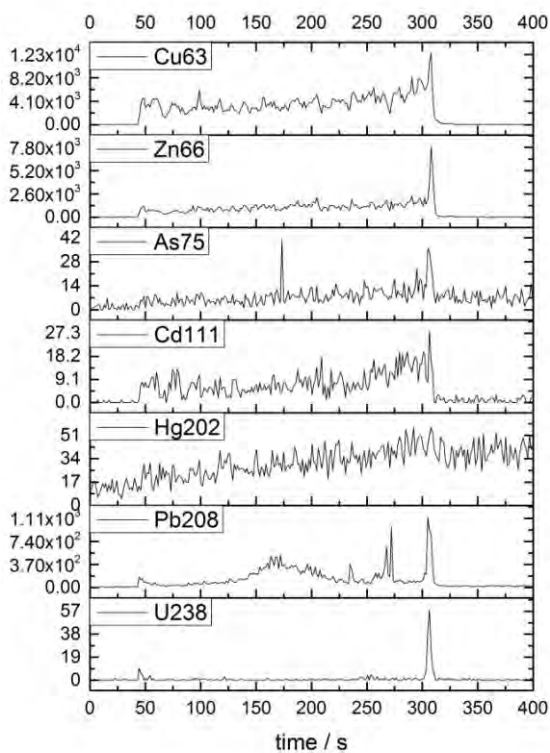
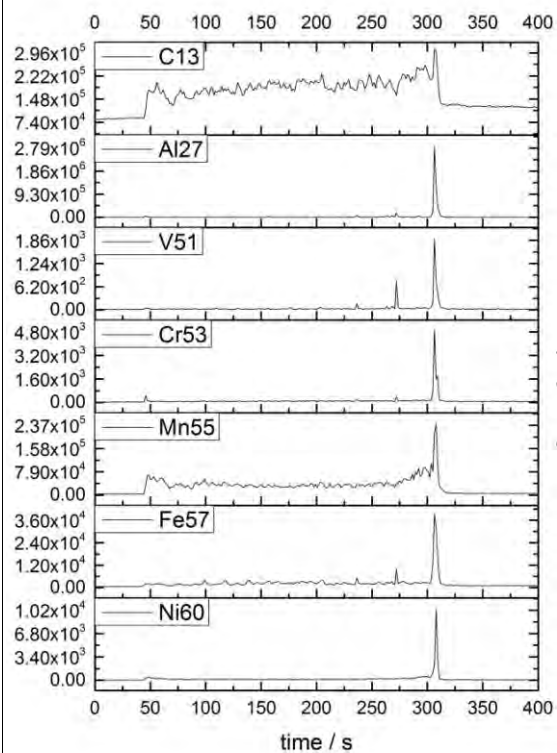
Wales Carrot 5

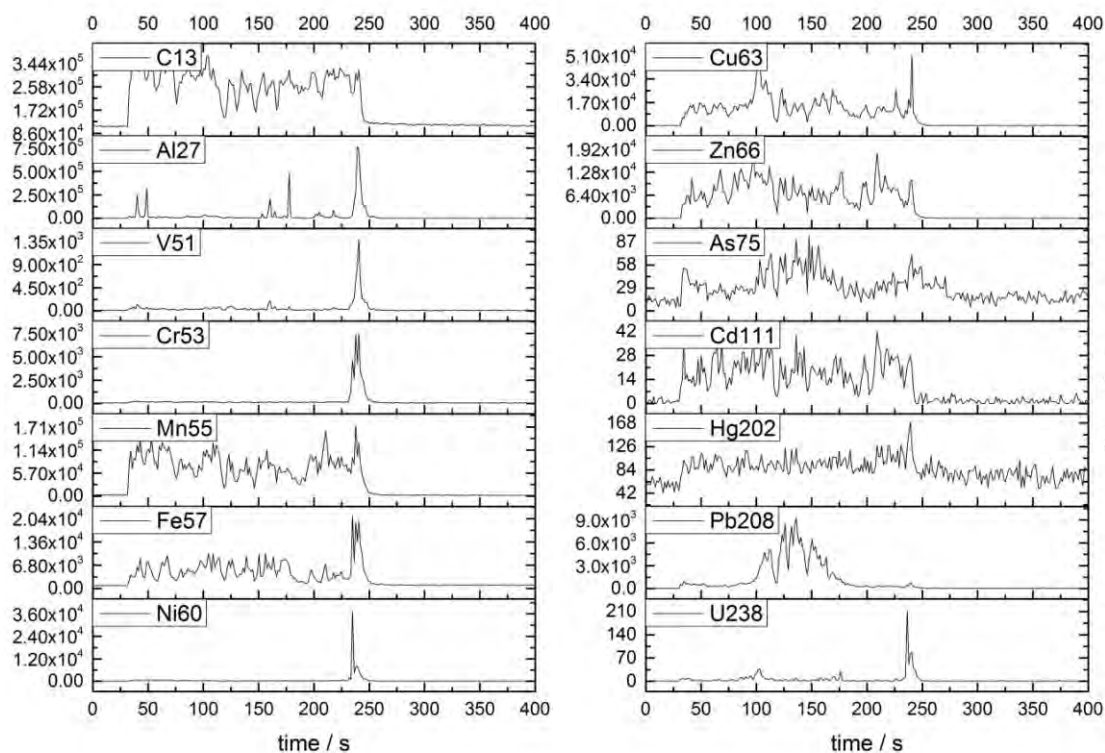
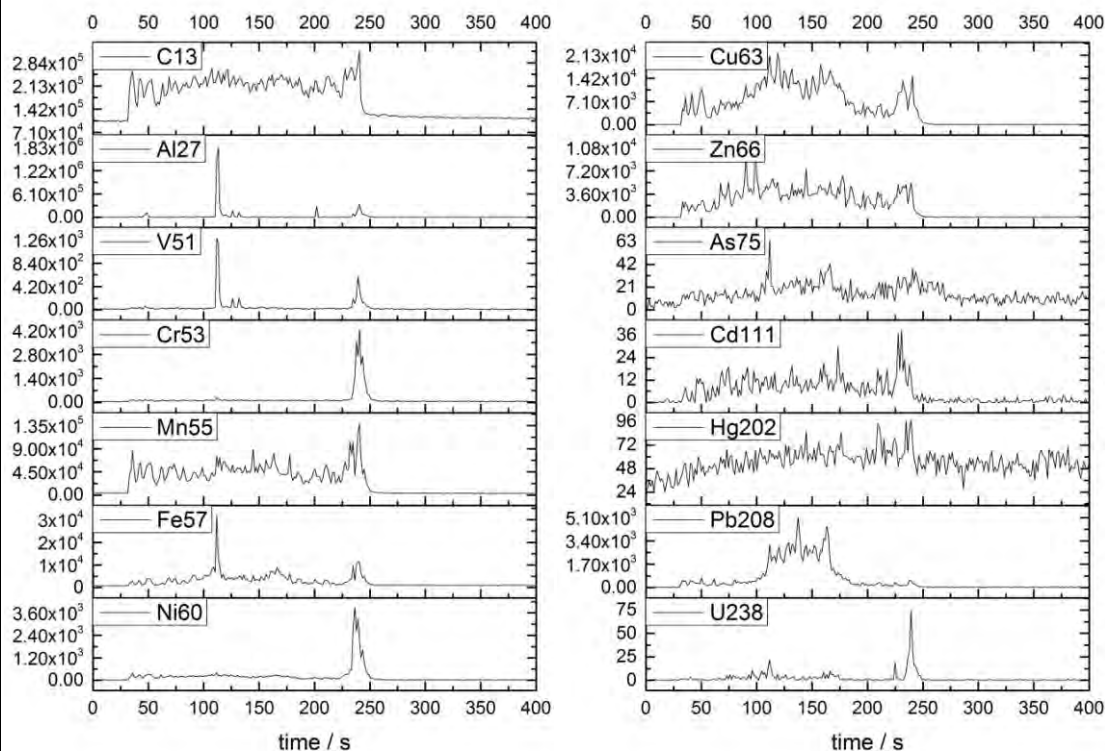


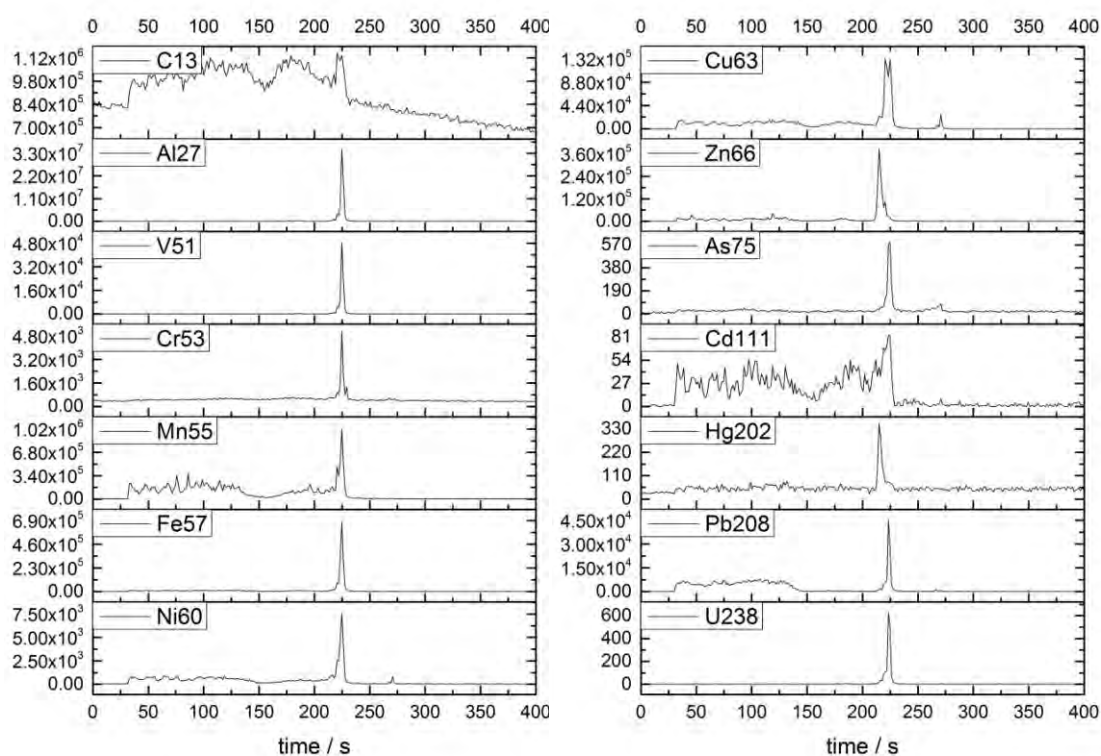
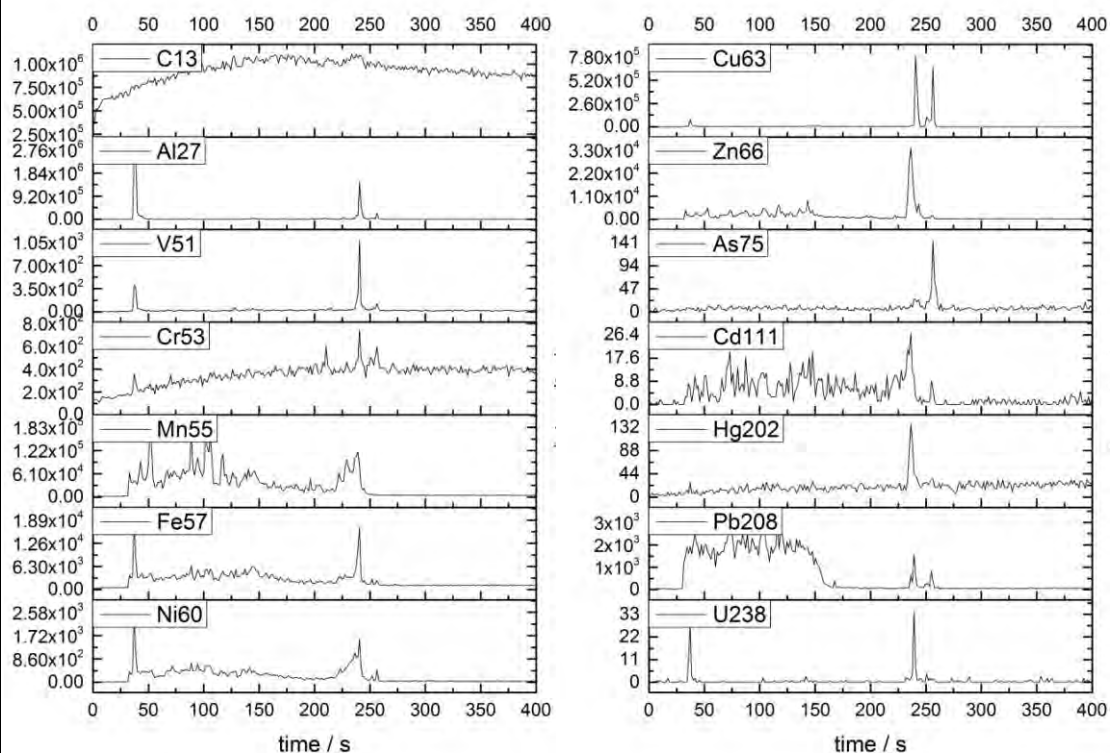


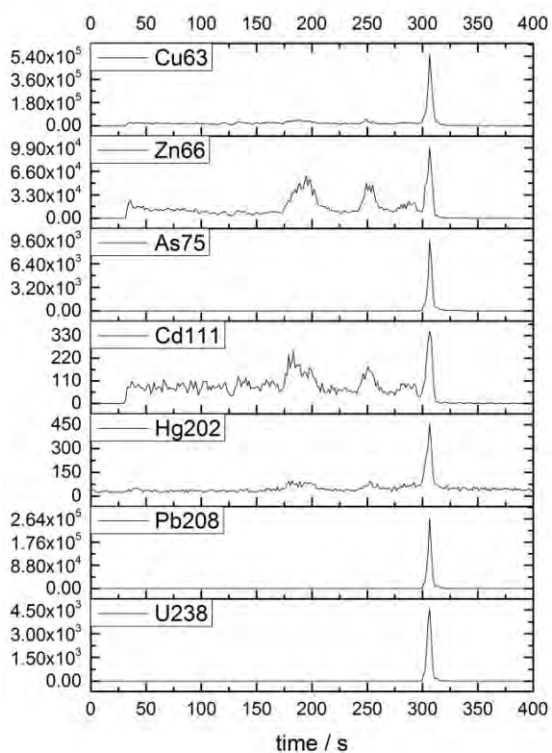
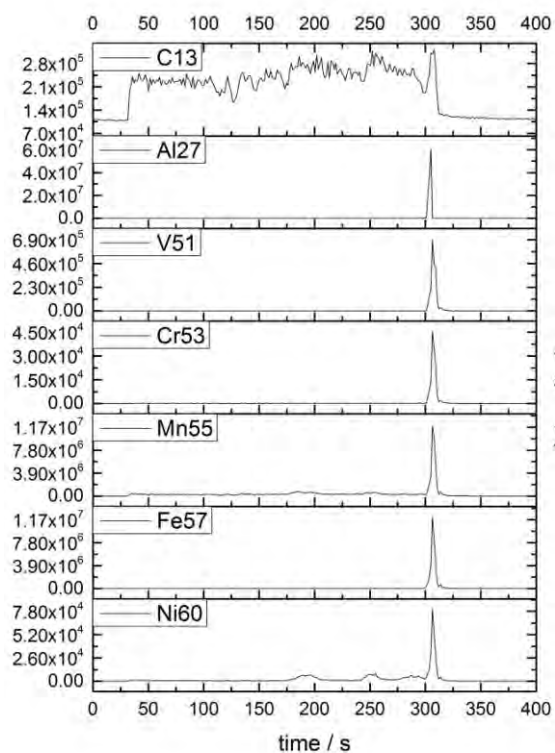
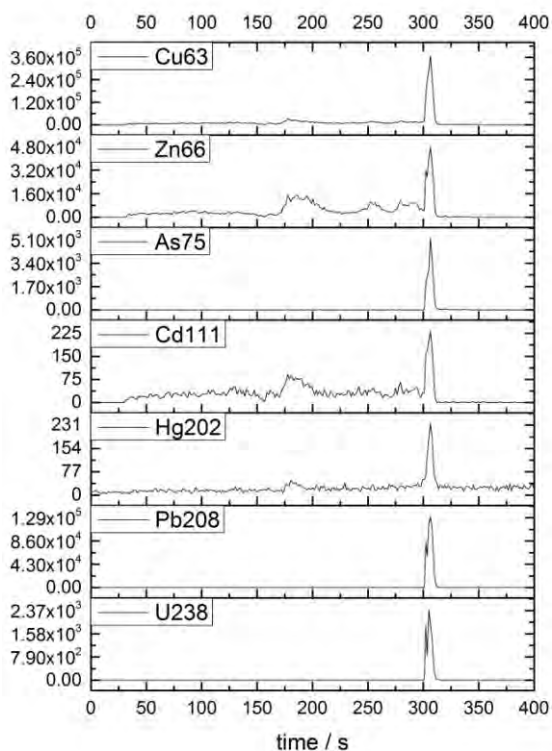
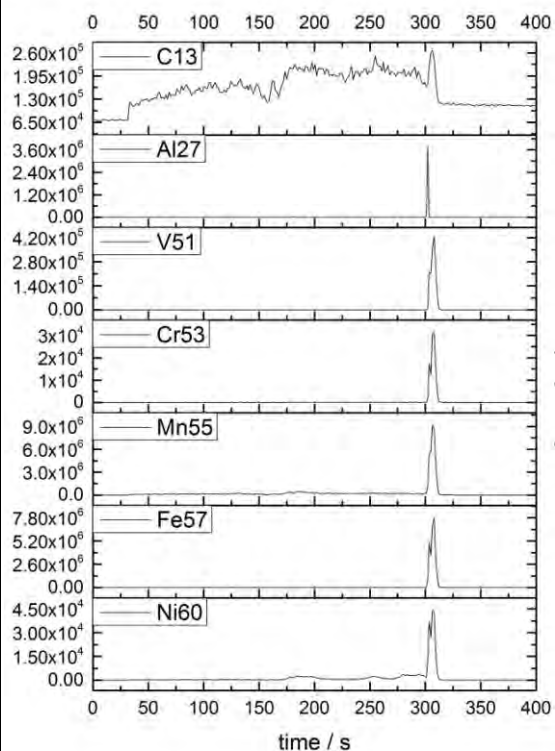


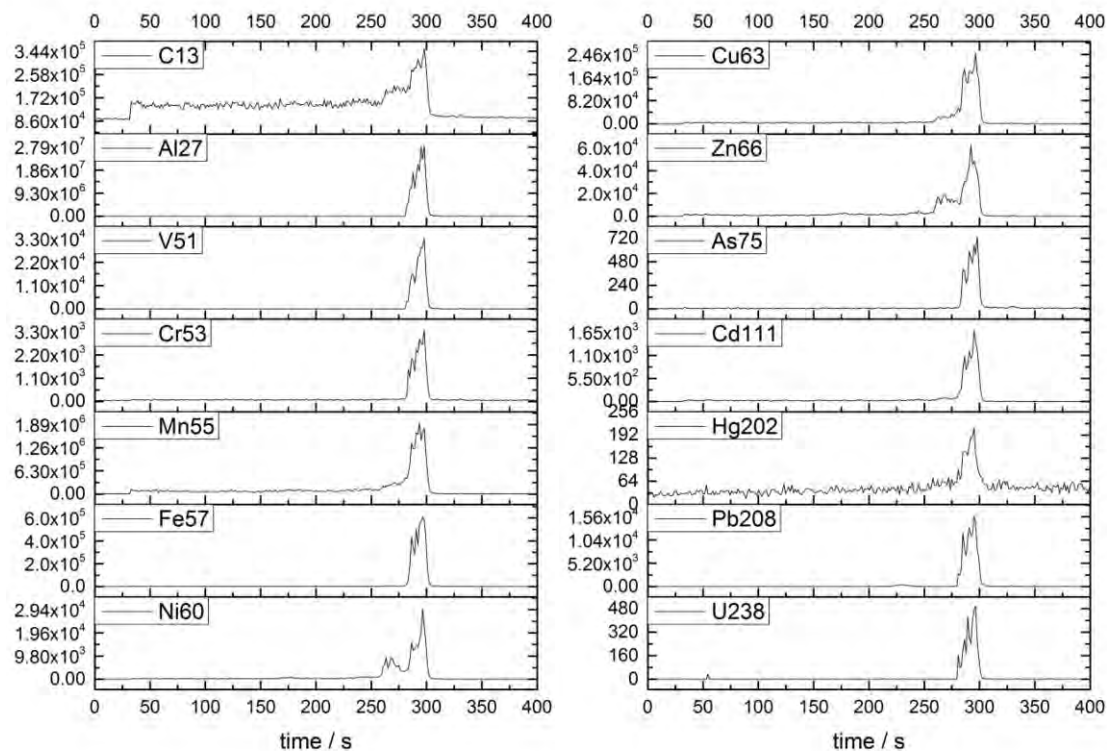
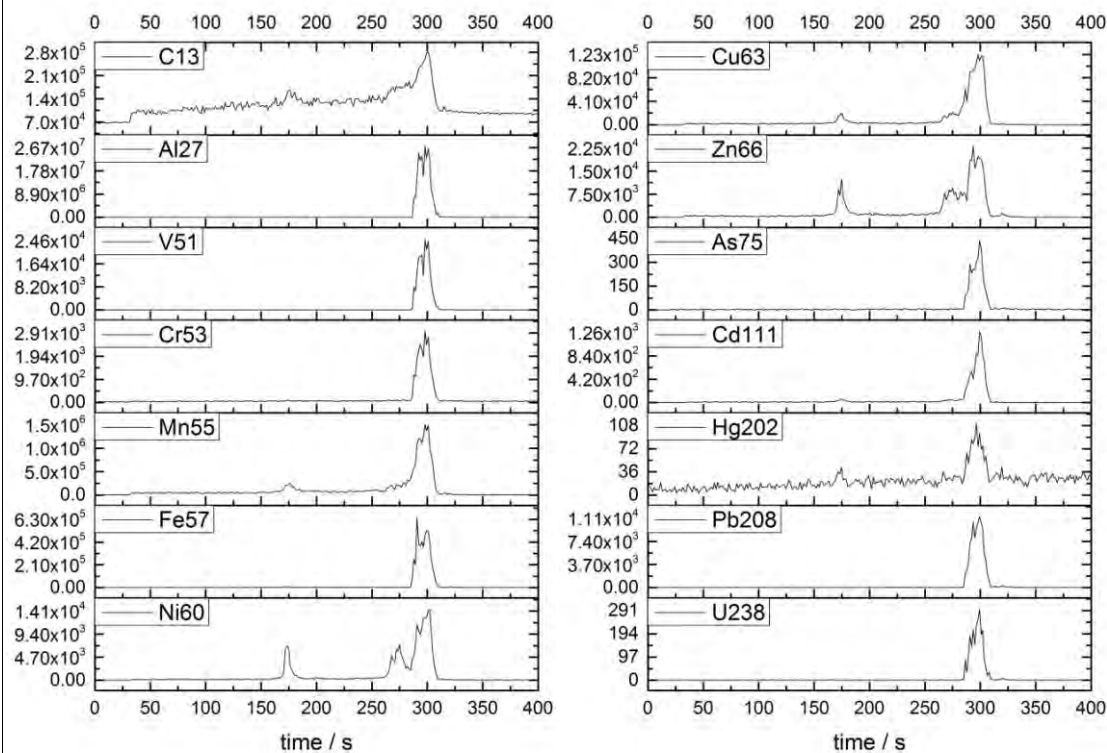




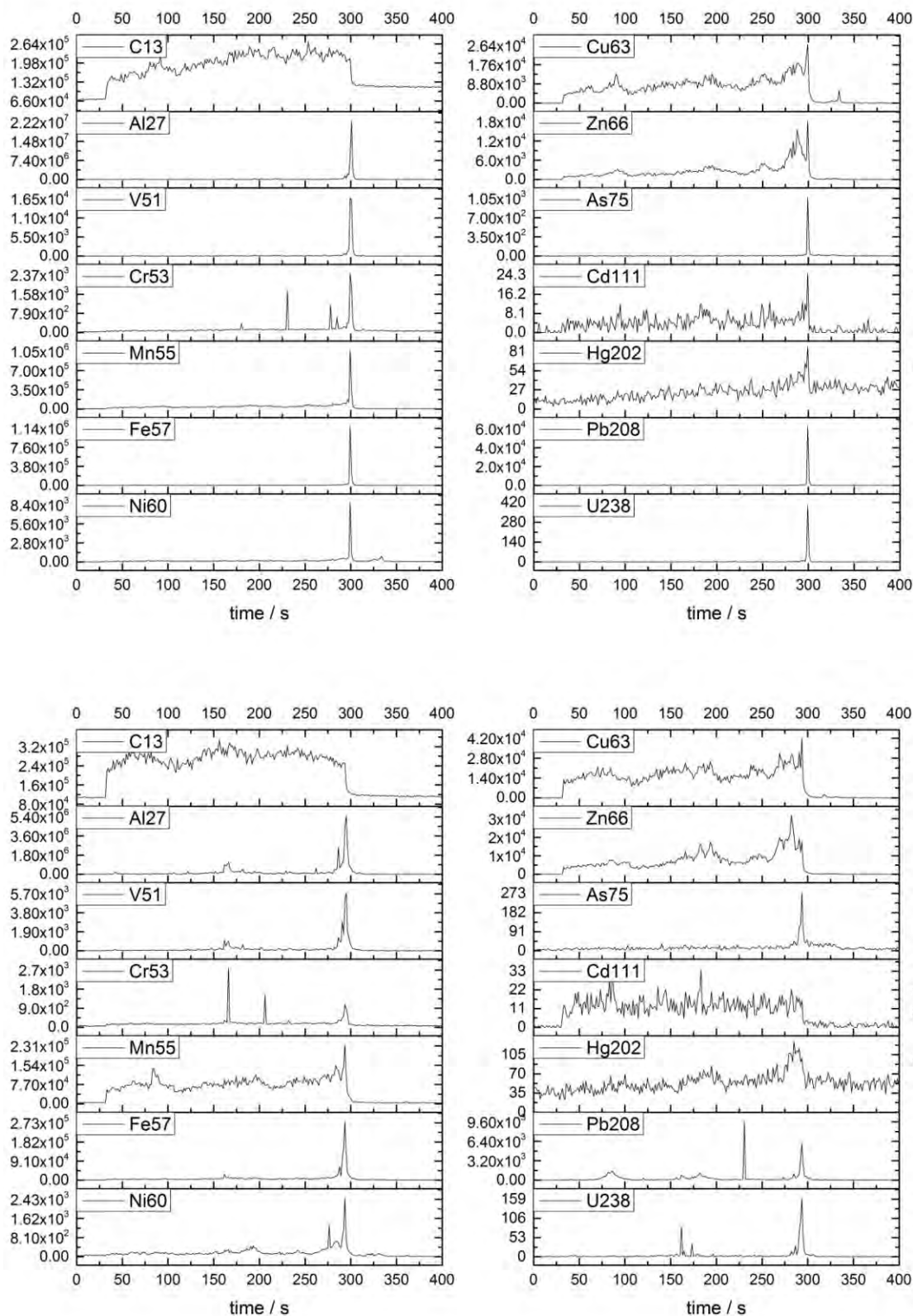




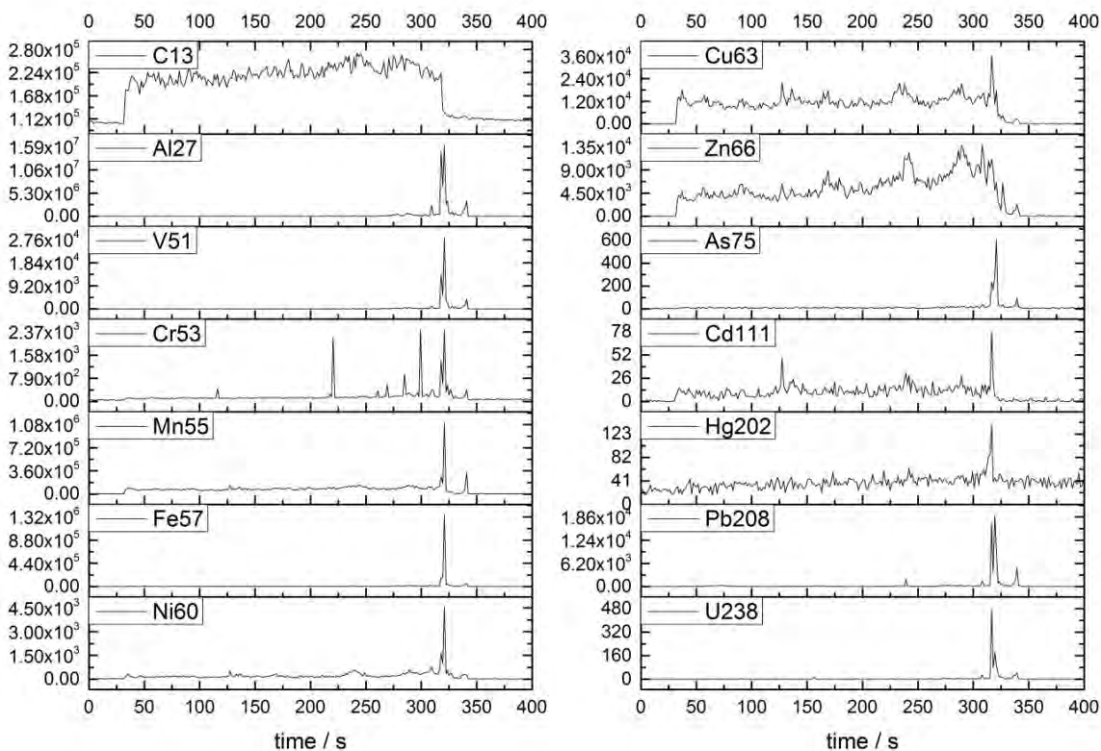
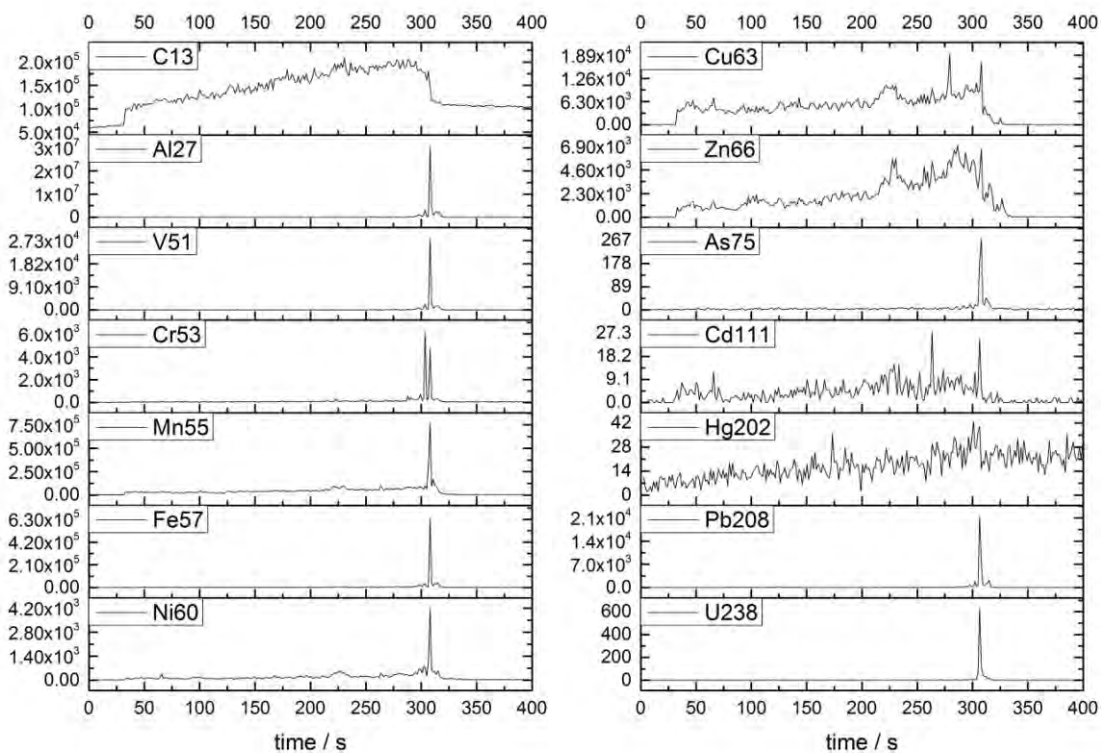




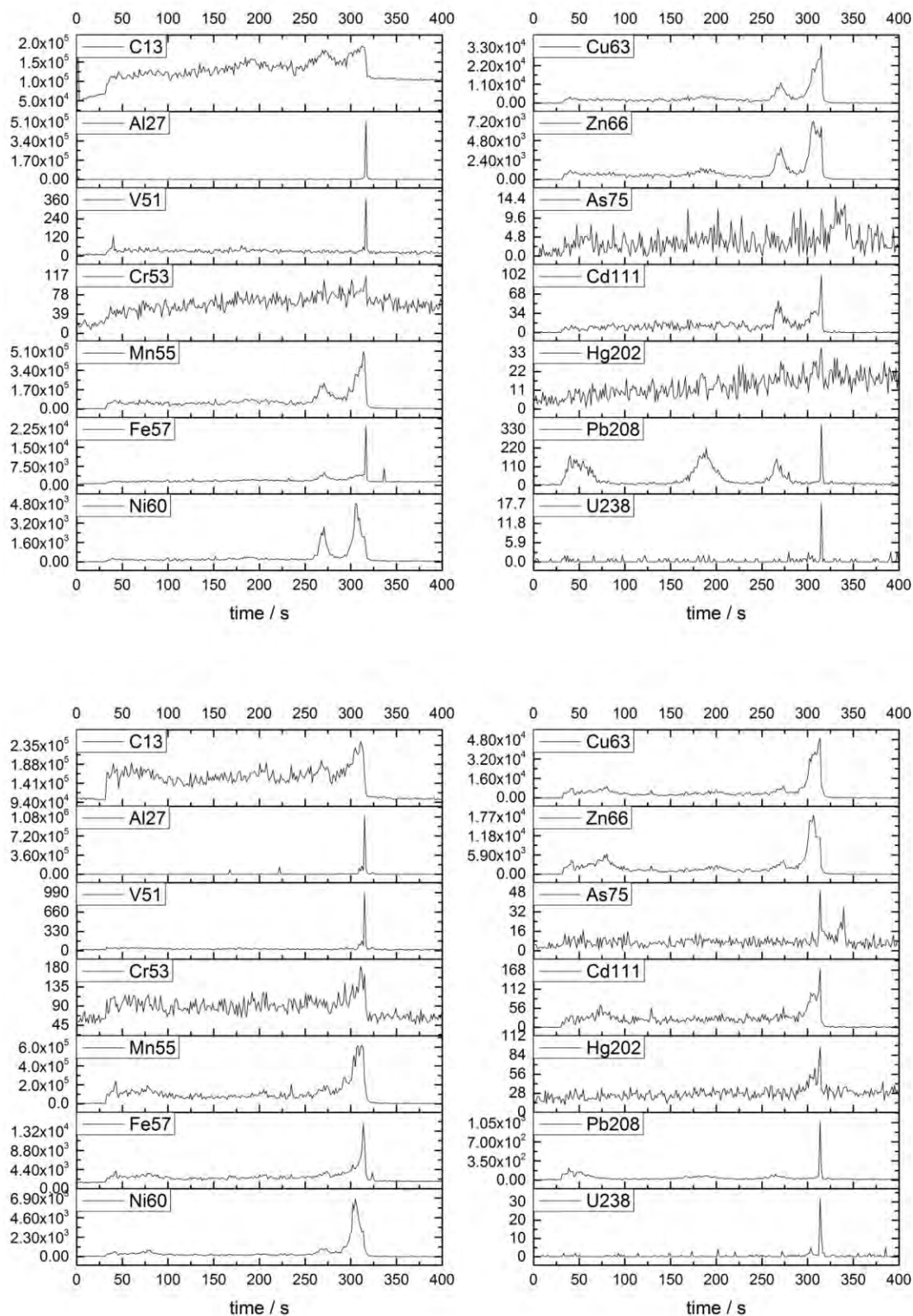
Lincolnshire Beetroot 4



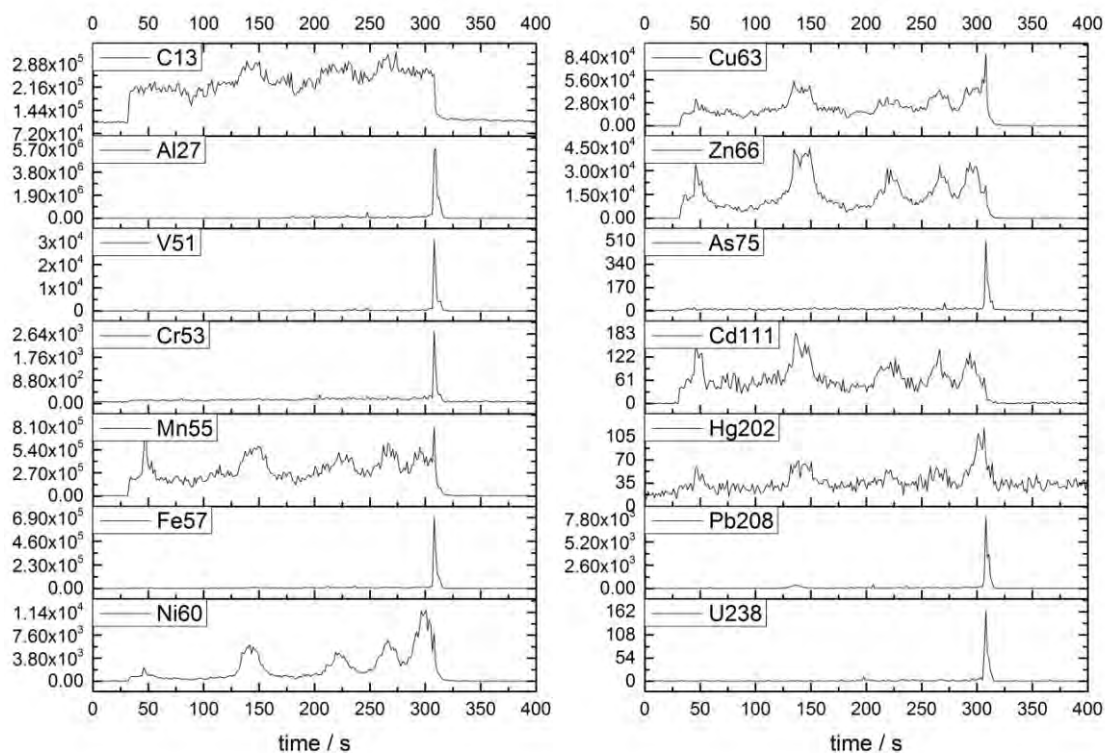
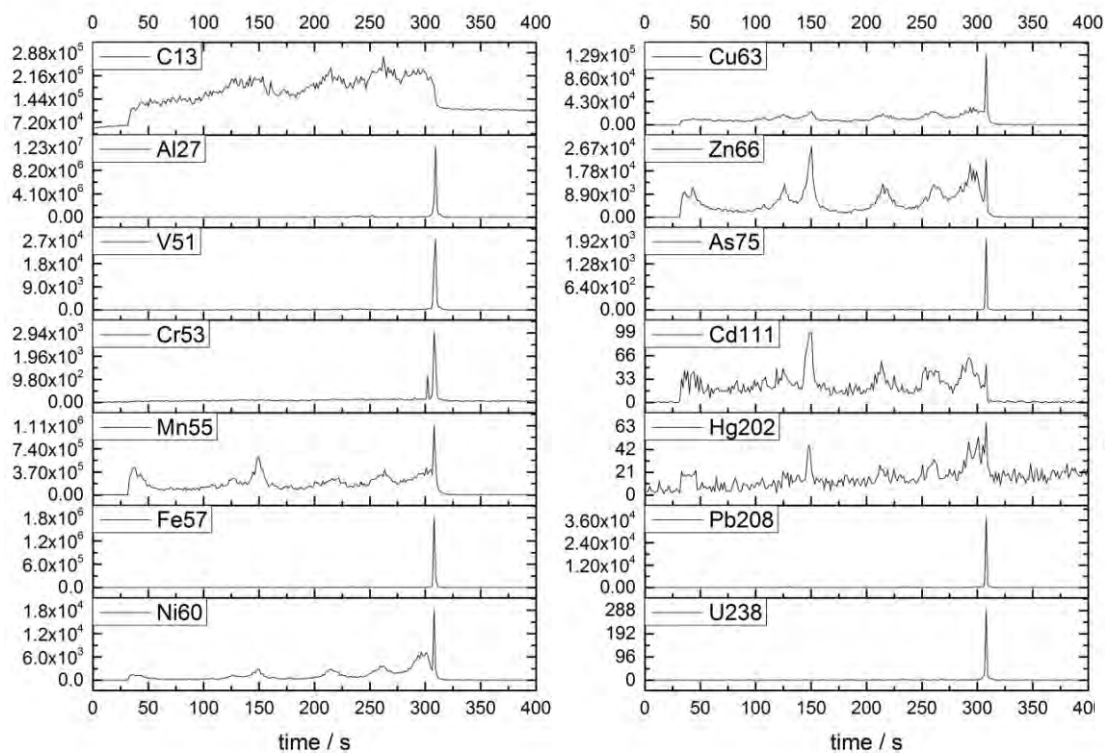
Lincolnshire Beetroot 1



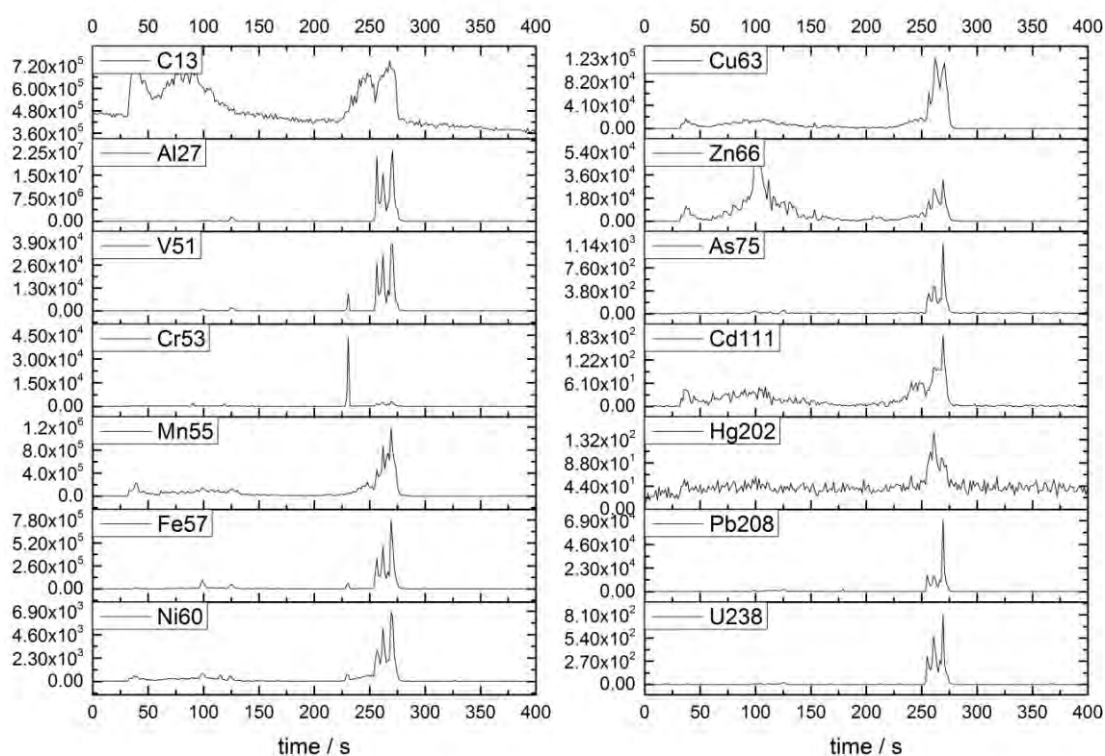
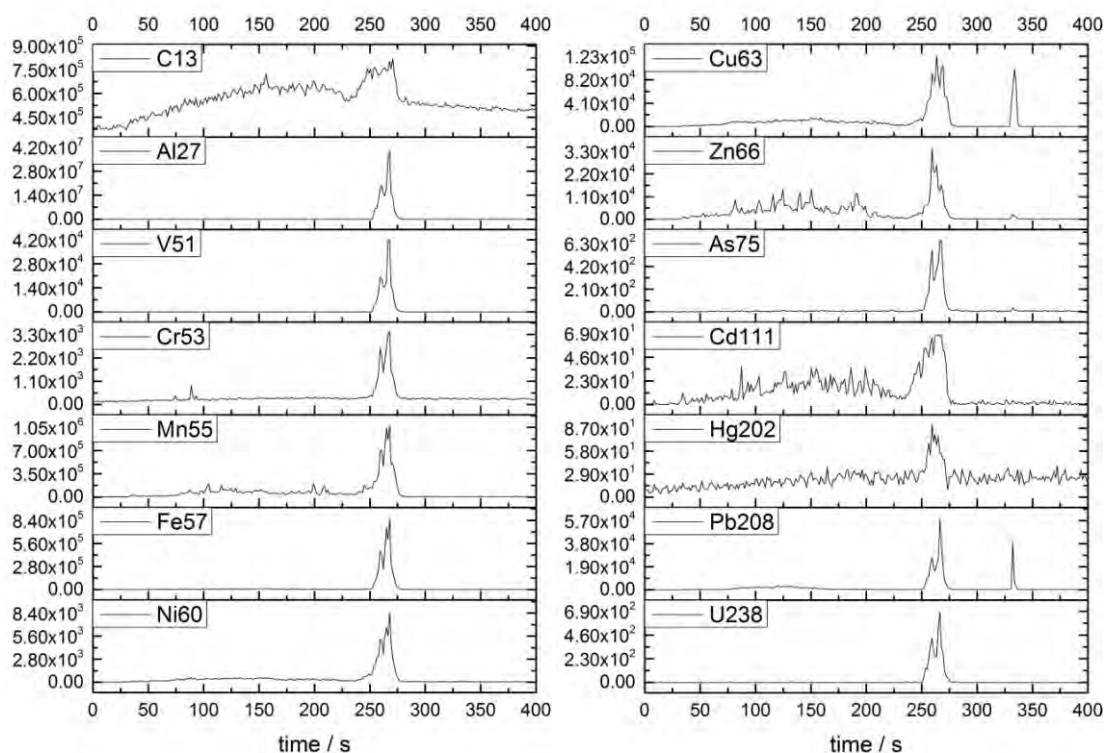
Leicestershire Beetroot 3

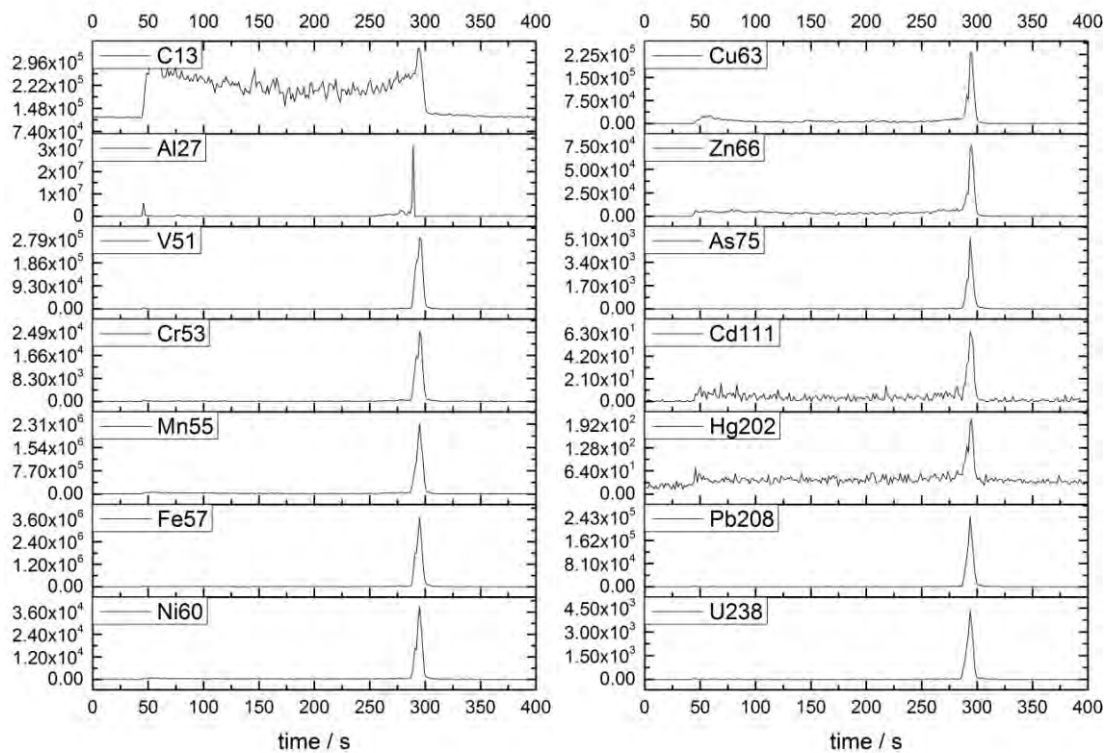
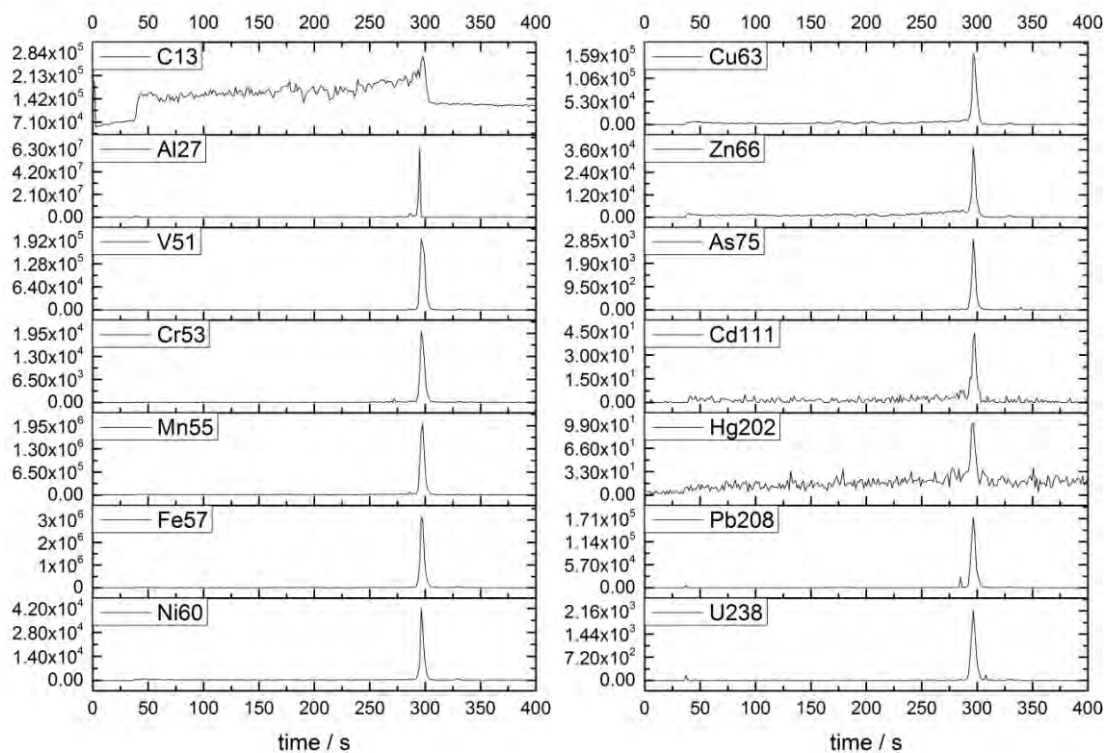


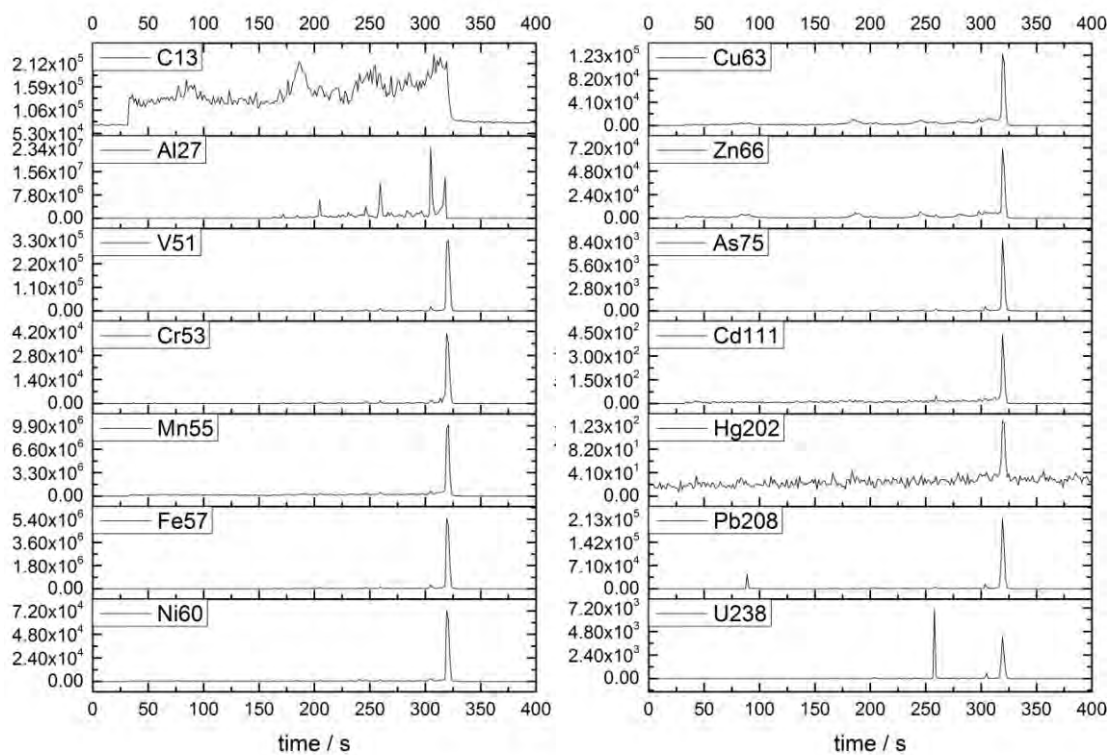
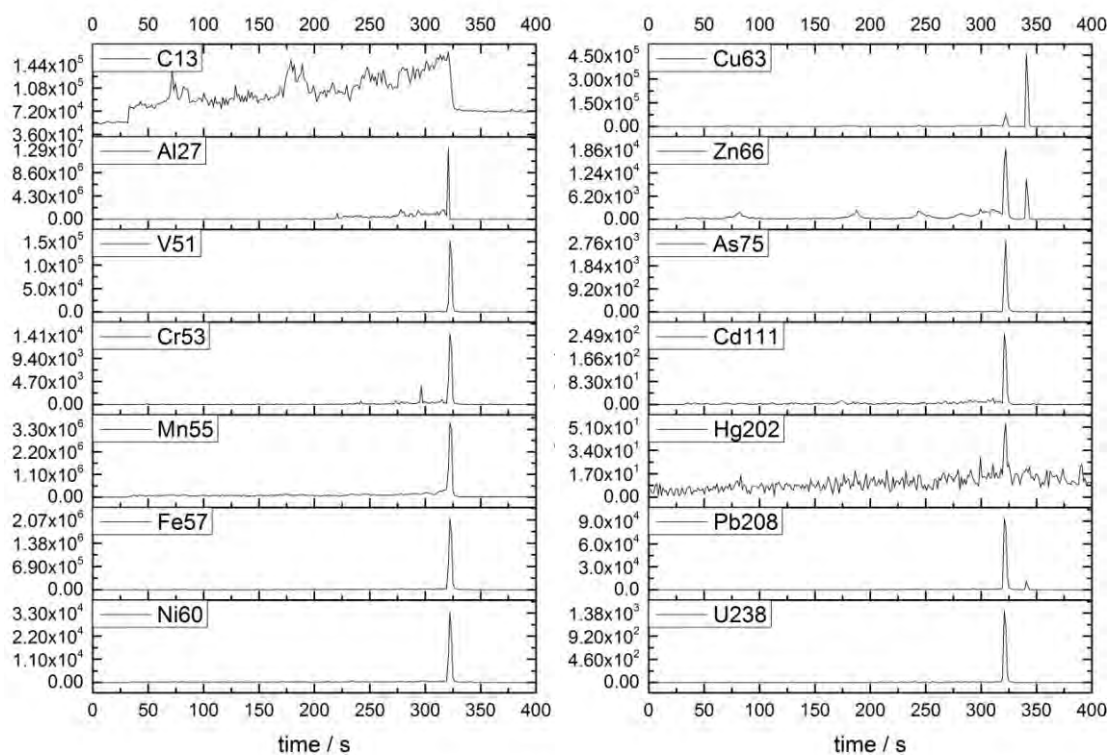
Lancashire Beetroot 4

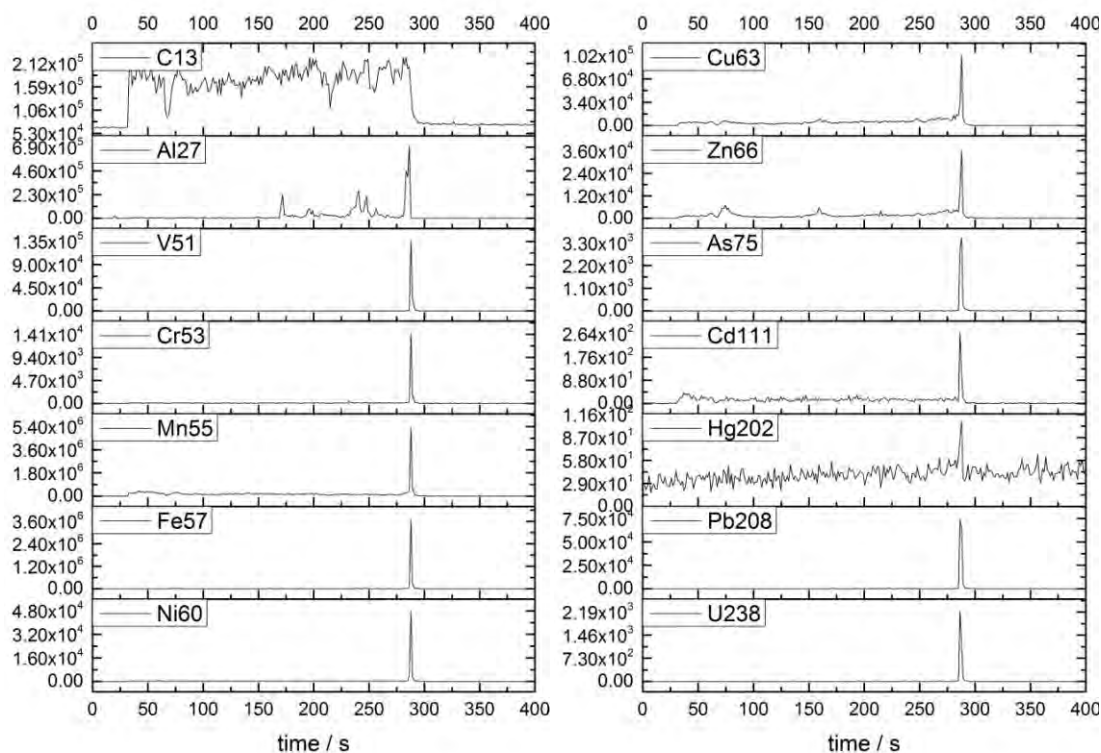
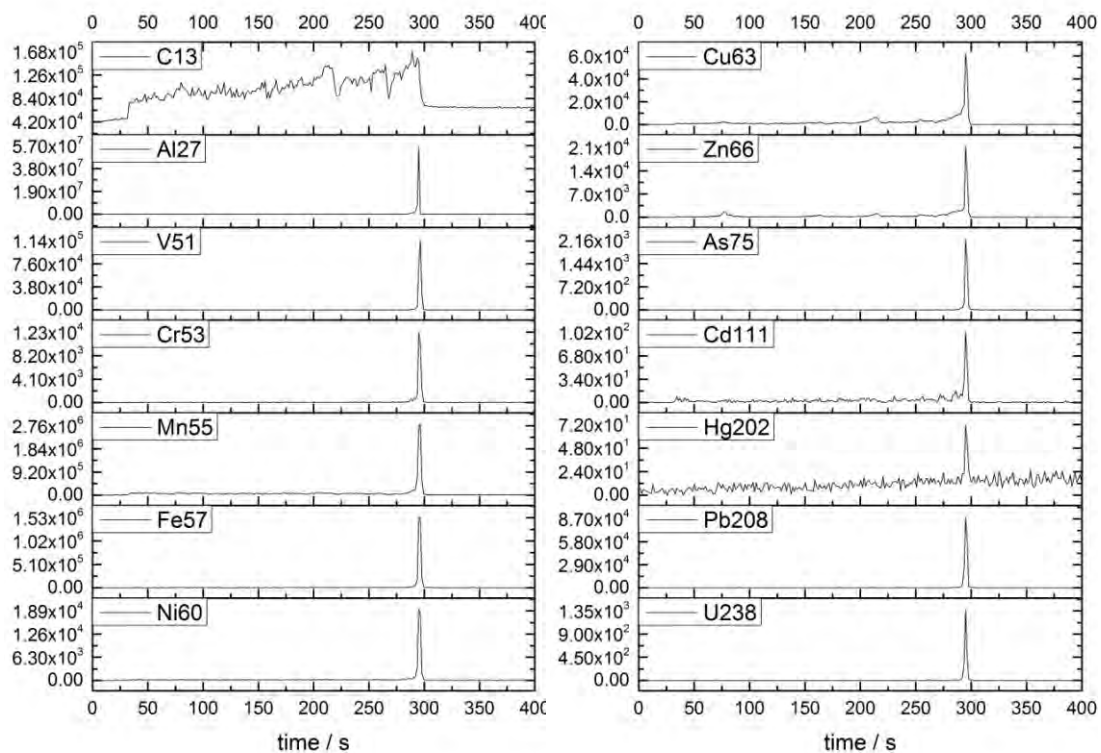


Suffolk Parsnip 5

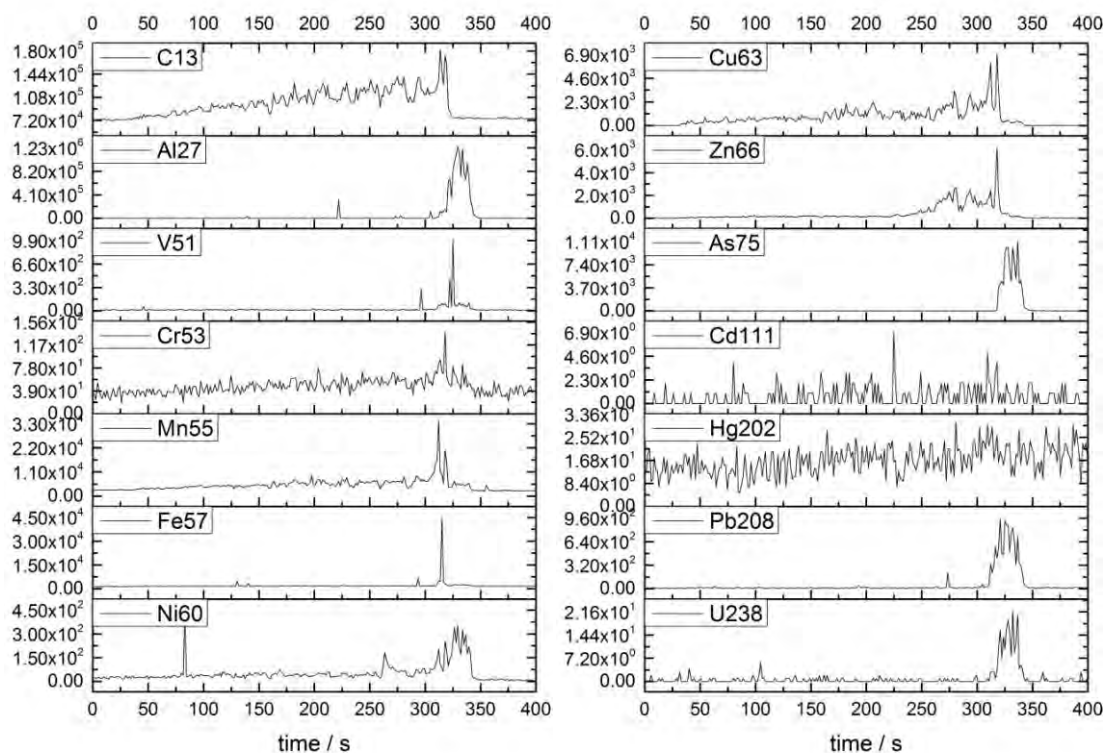
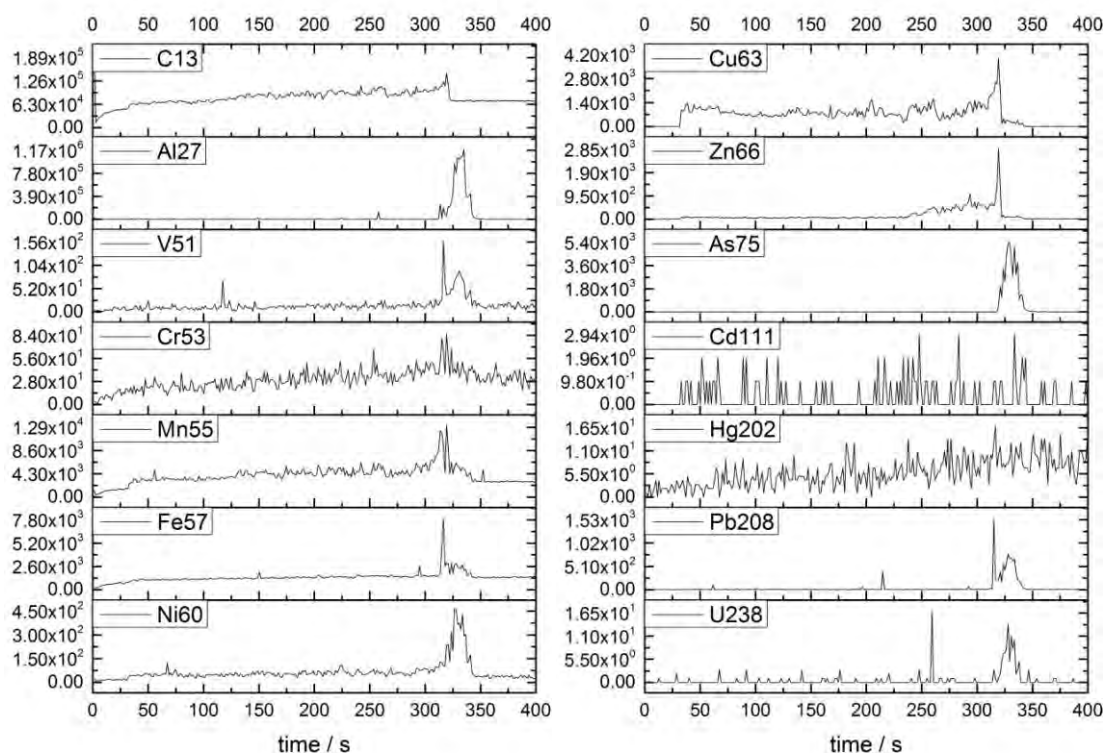




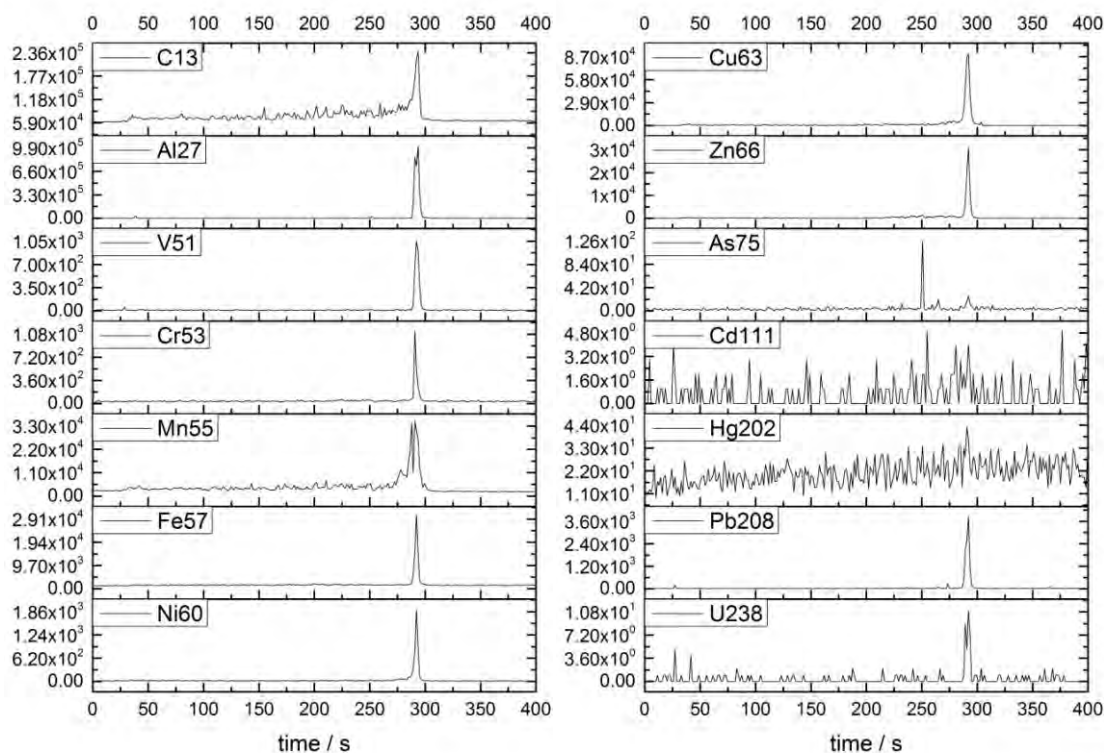
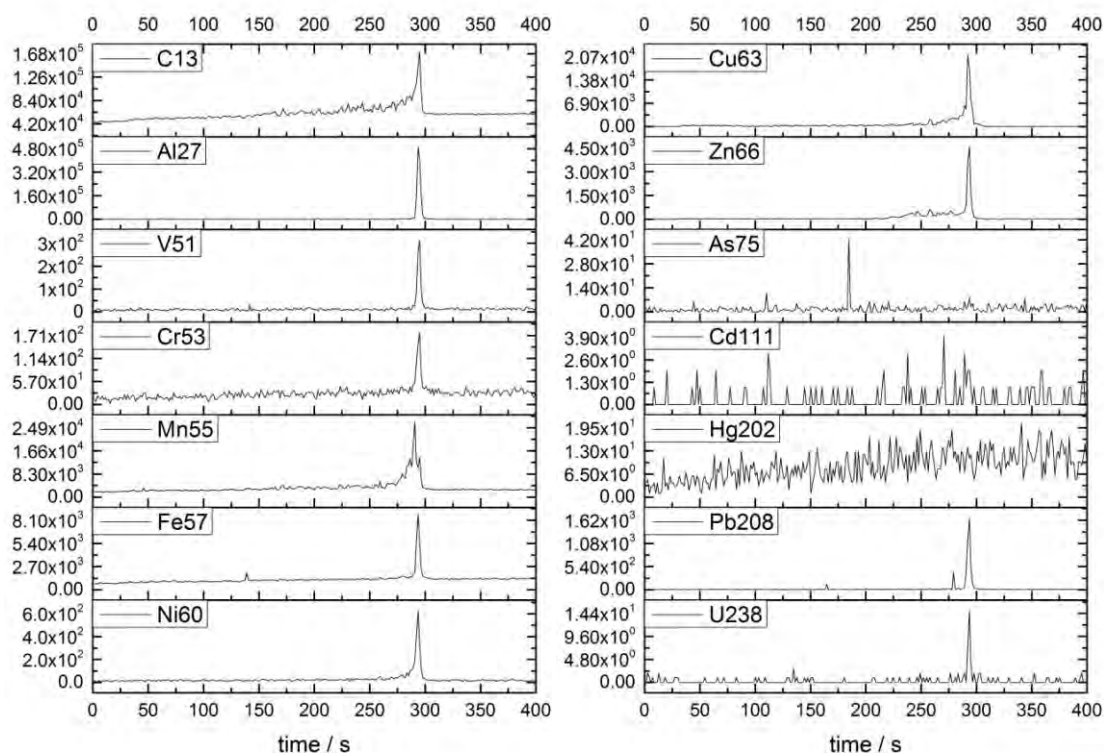


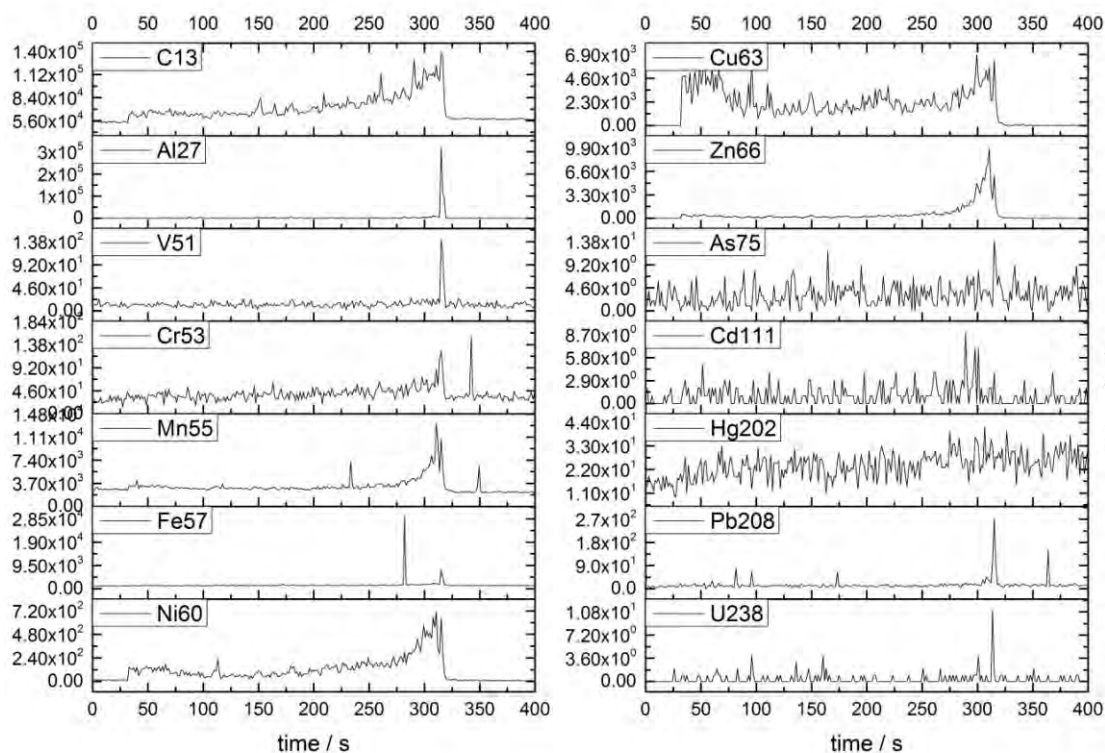
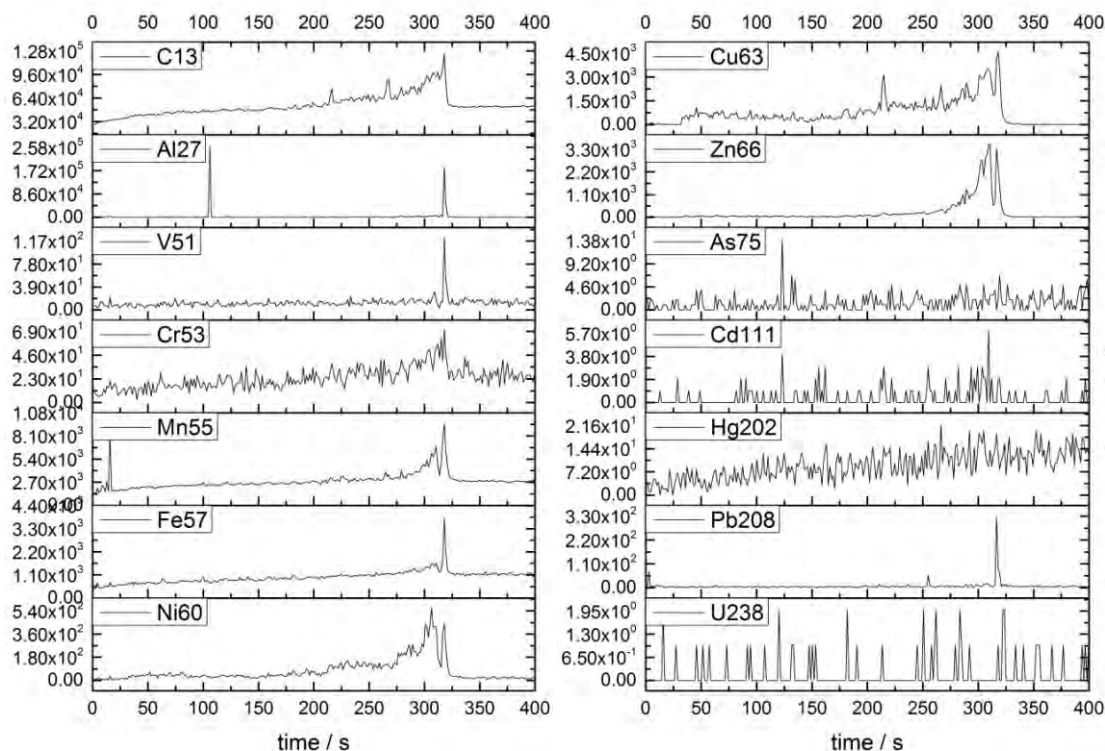


Norfolk Apple (Discovery) 5

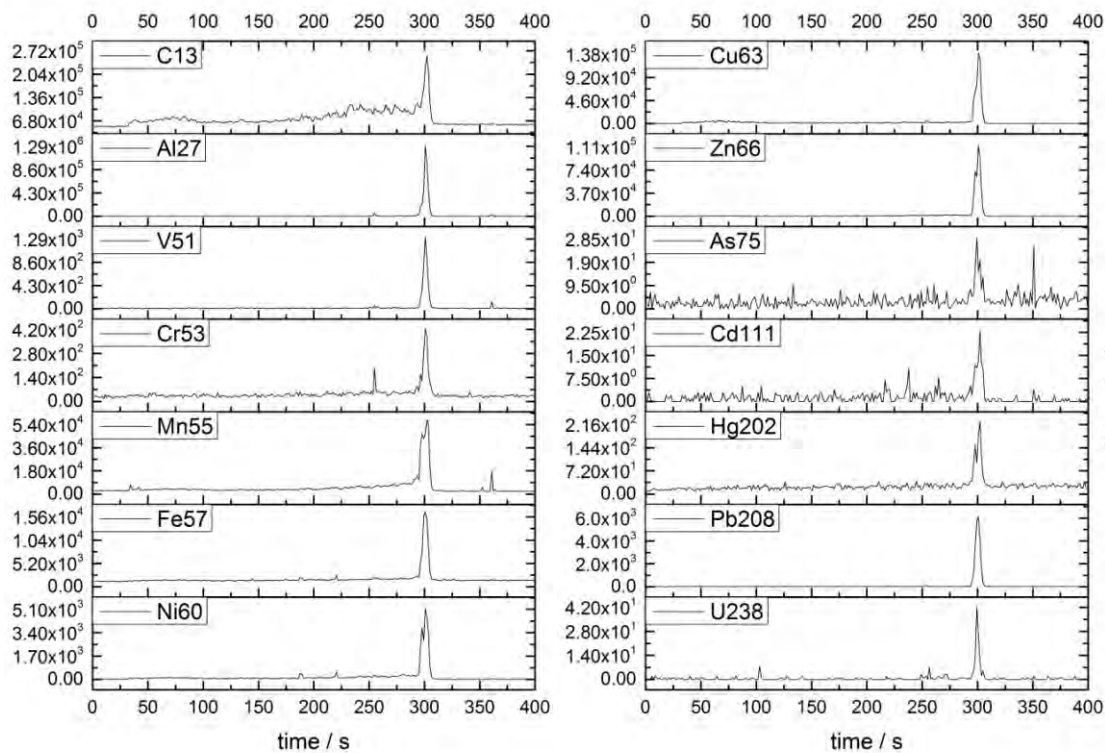
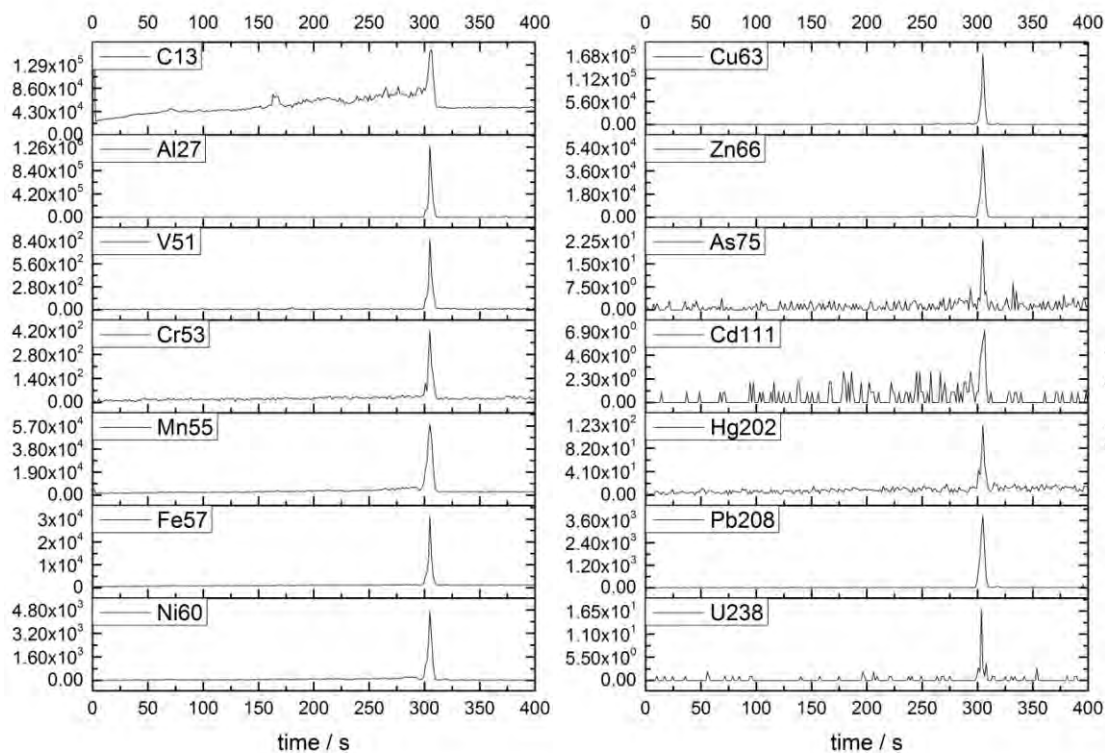


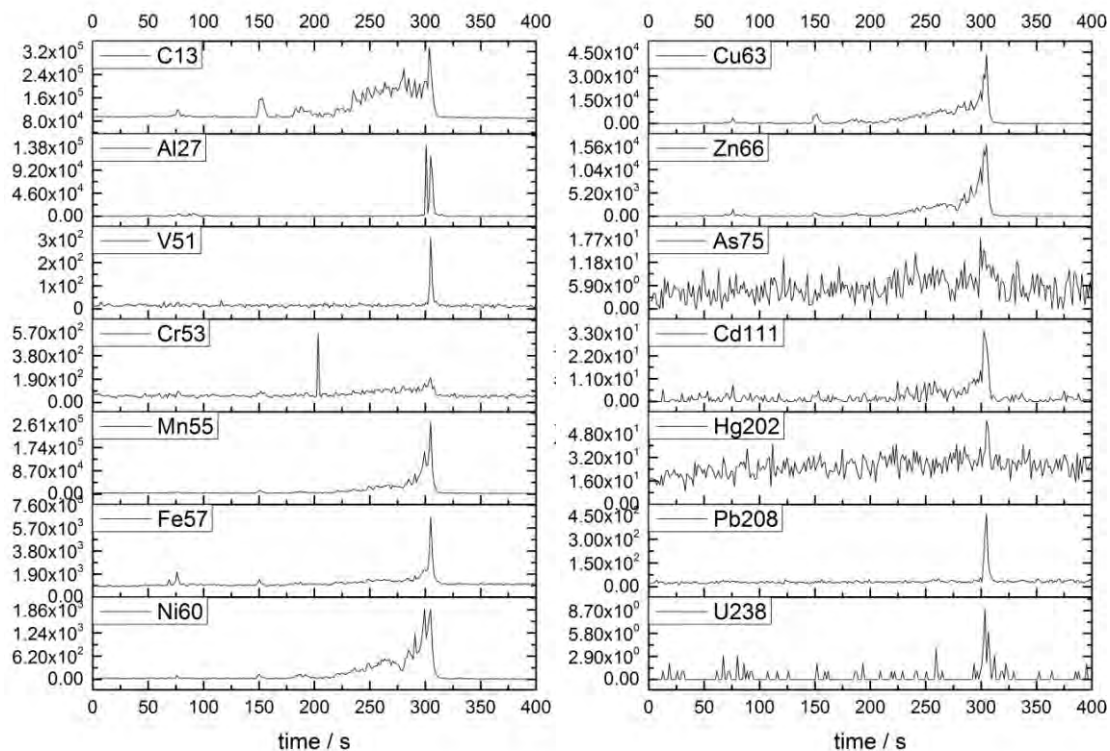
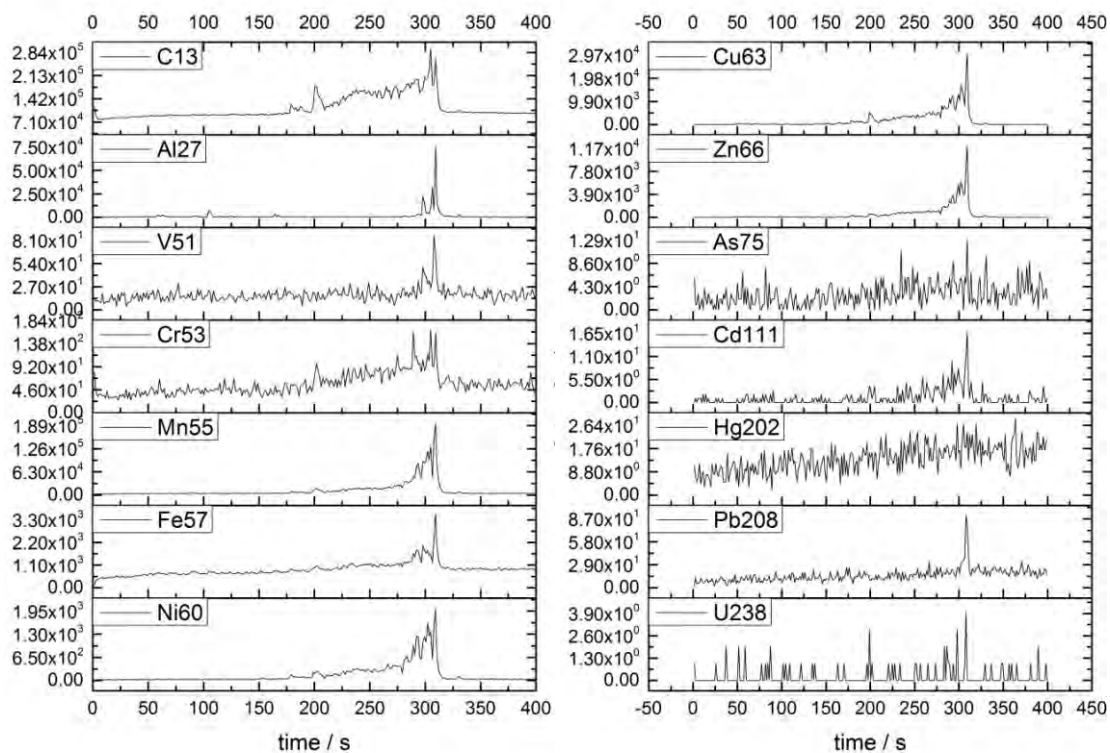
Norfolk Apple (Discovery) slice 1

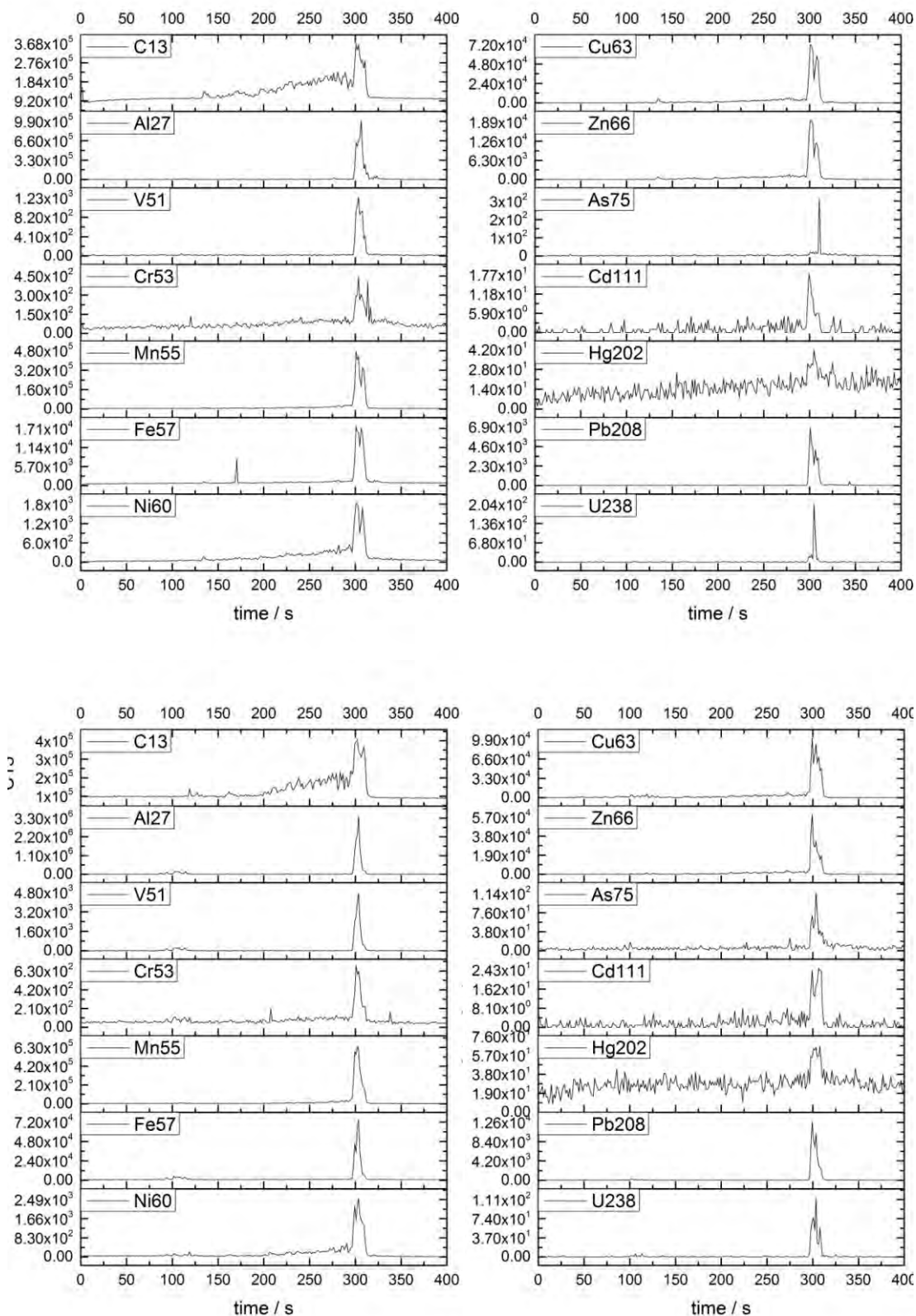




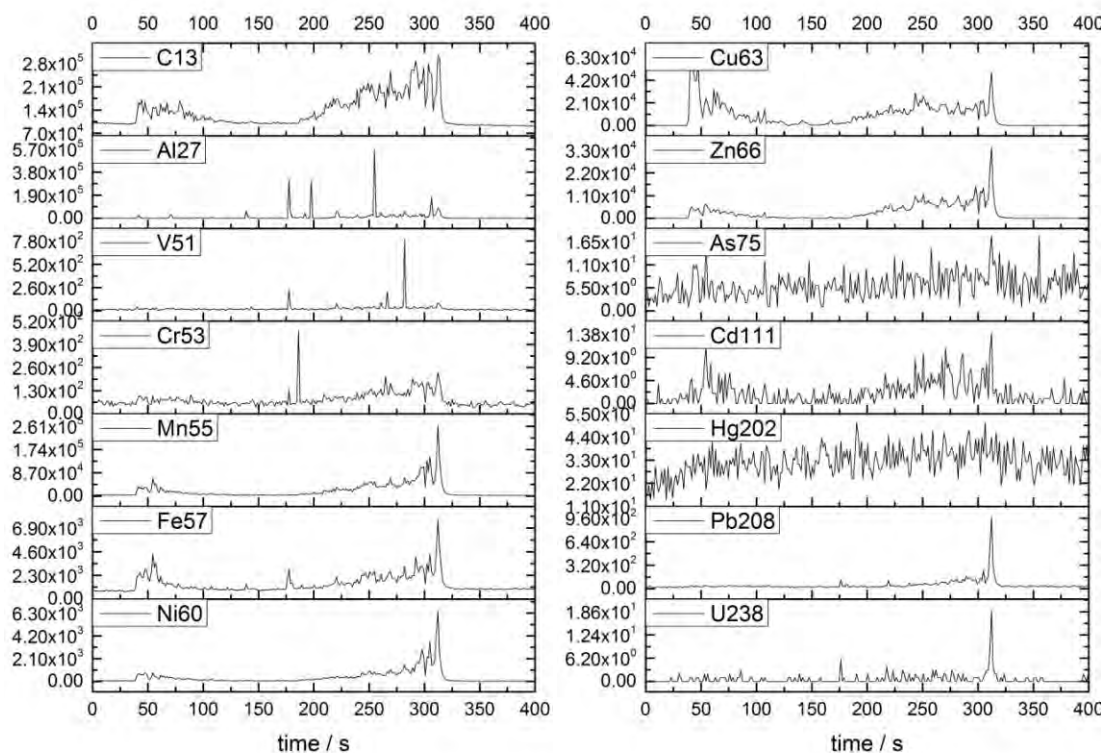
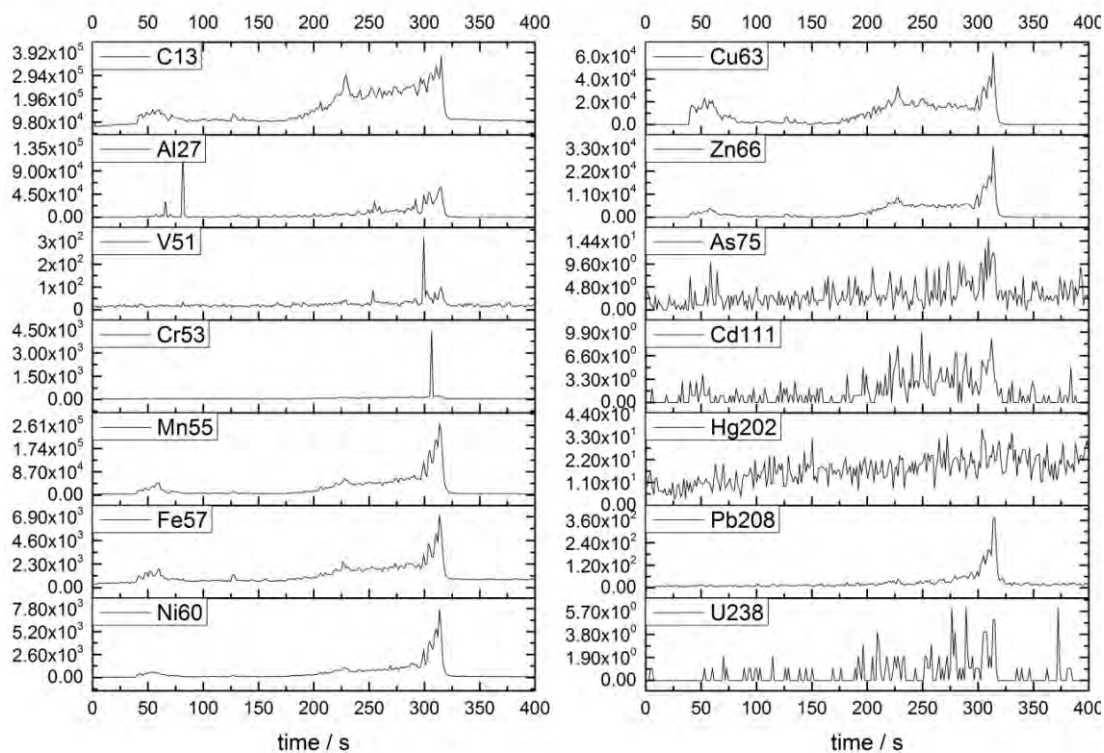
Norfolk Pear (Conference) 2



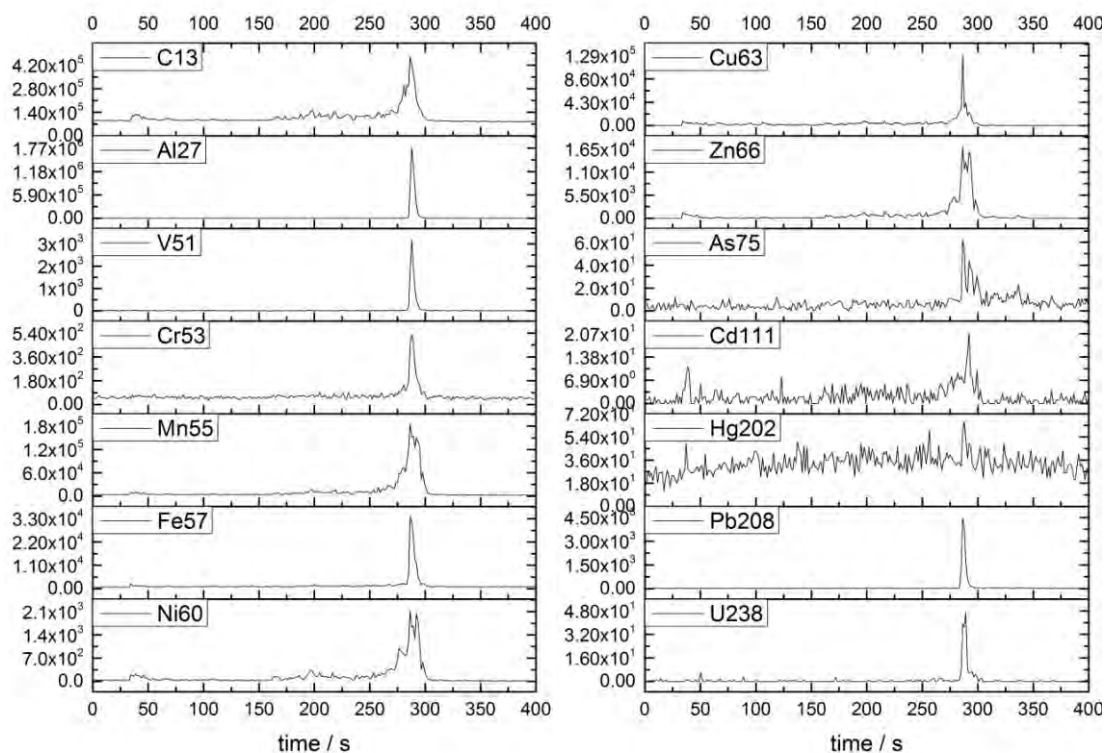
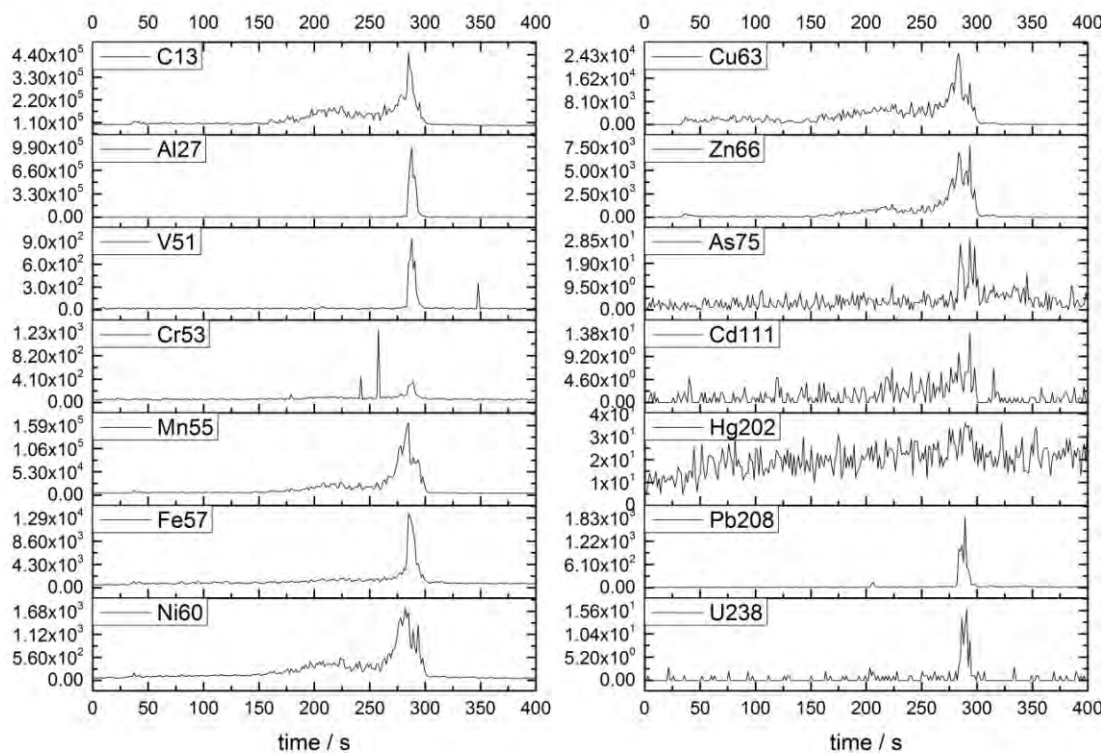




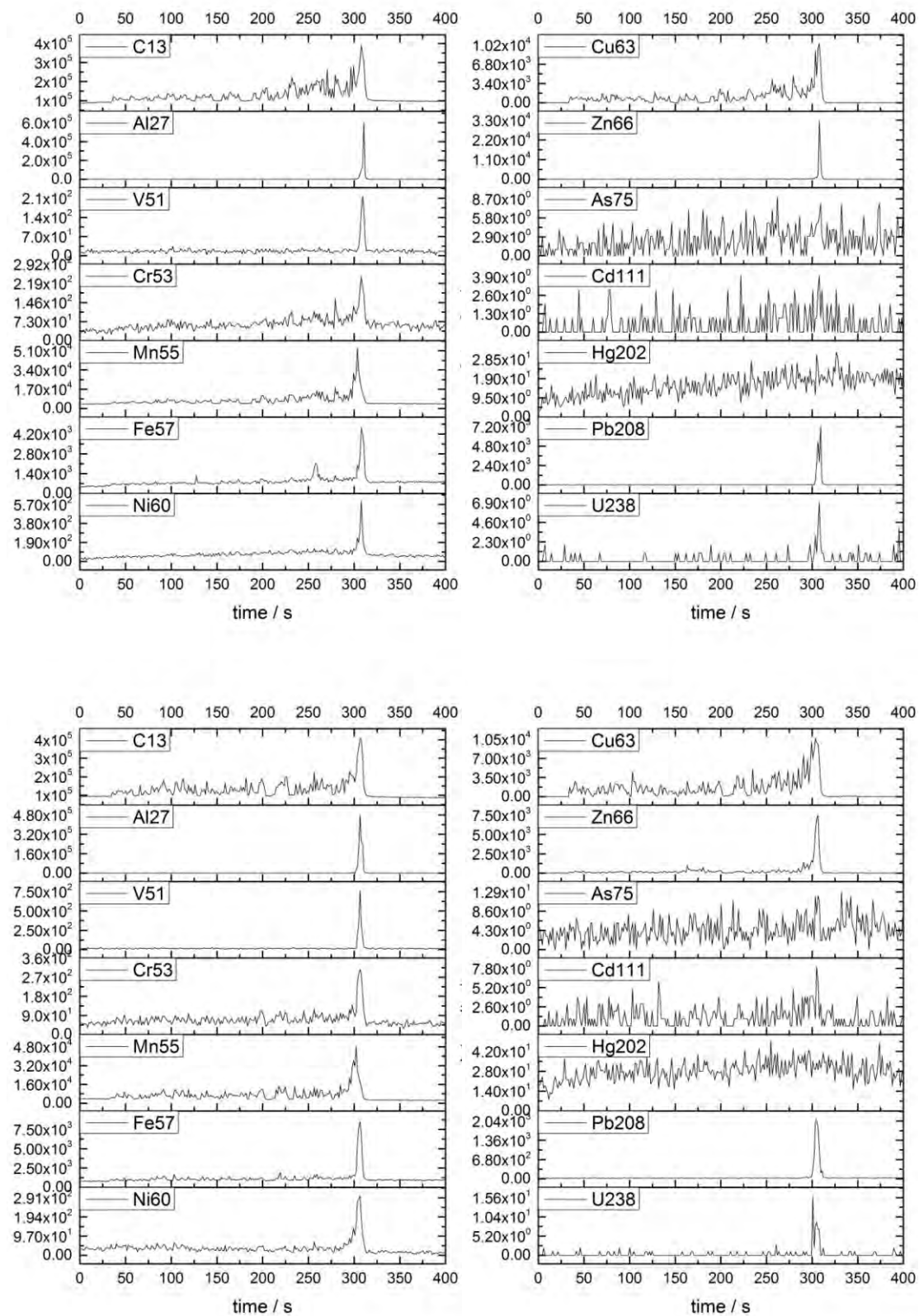
Kent Pear (Concorde) 1



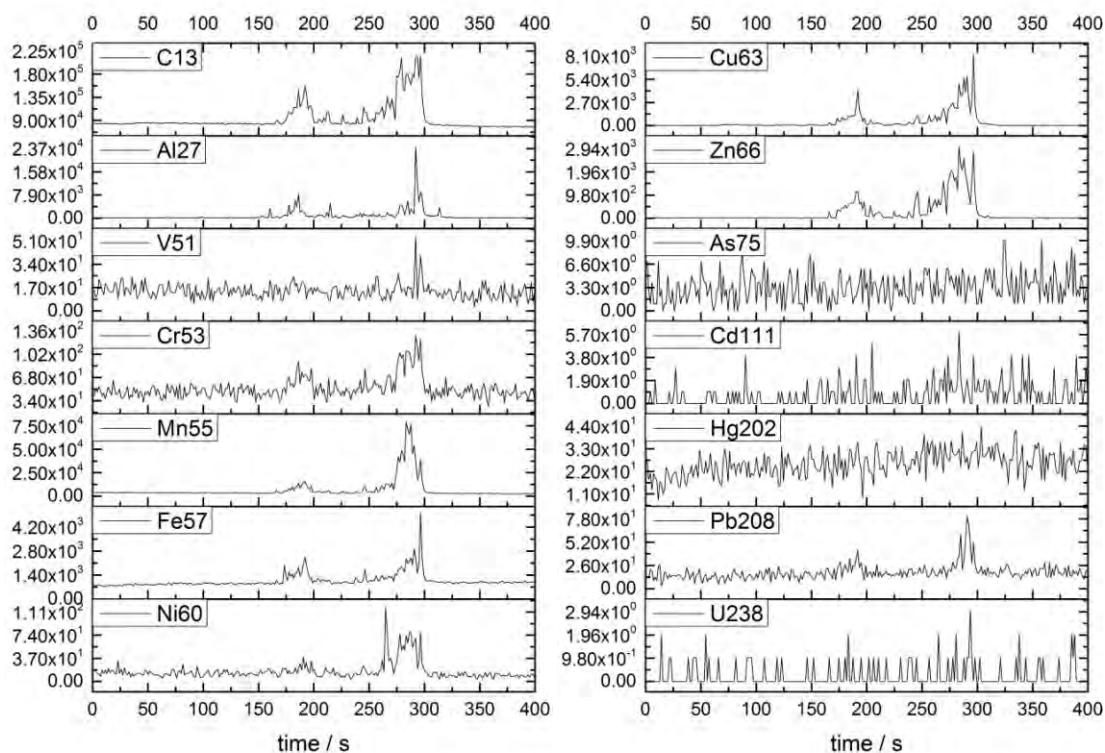
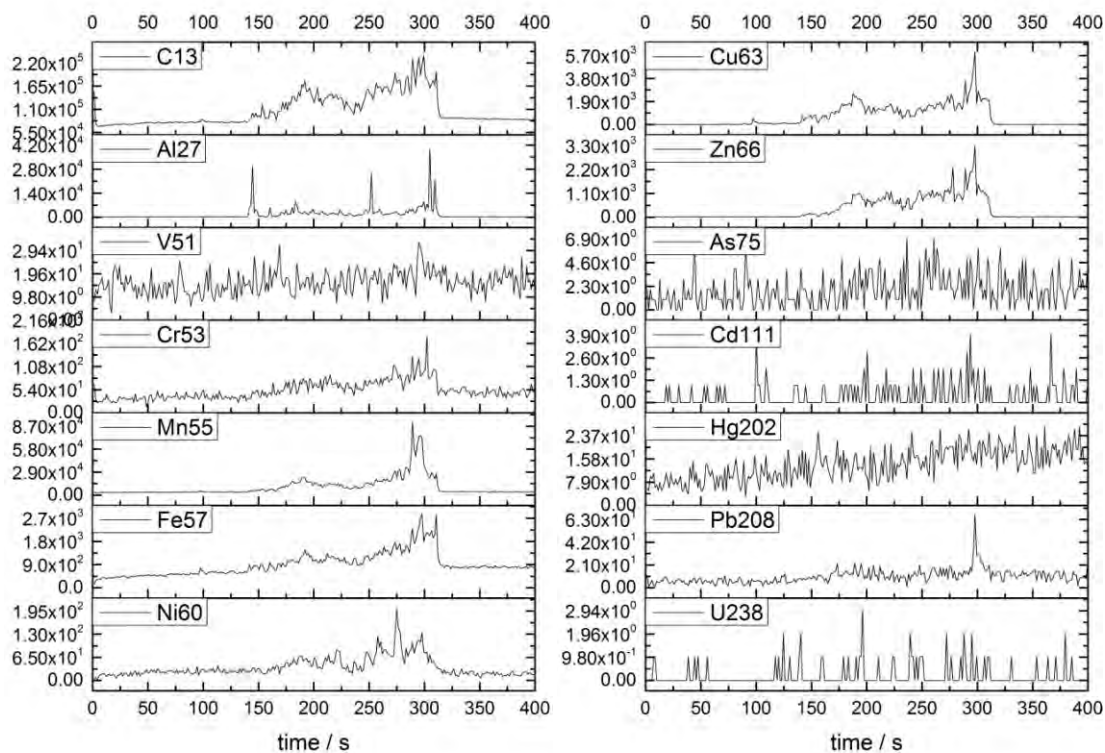
Kent Pear (Concorde) 2



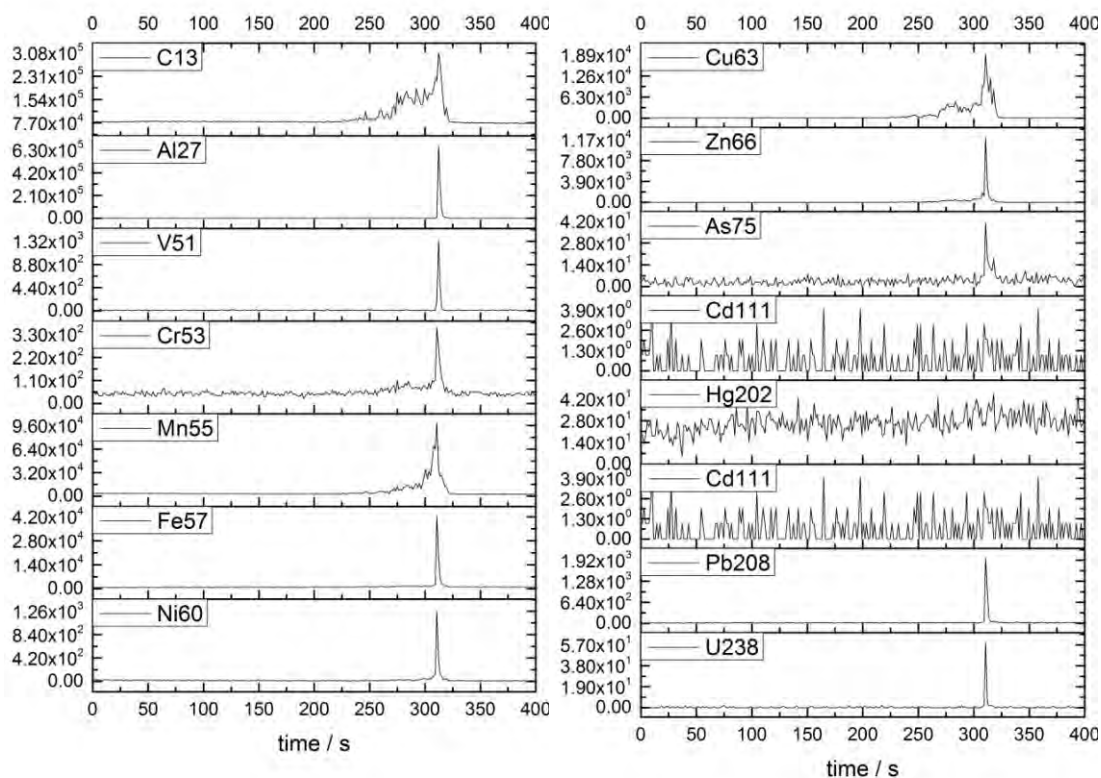
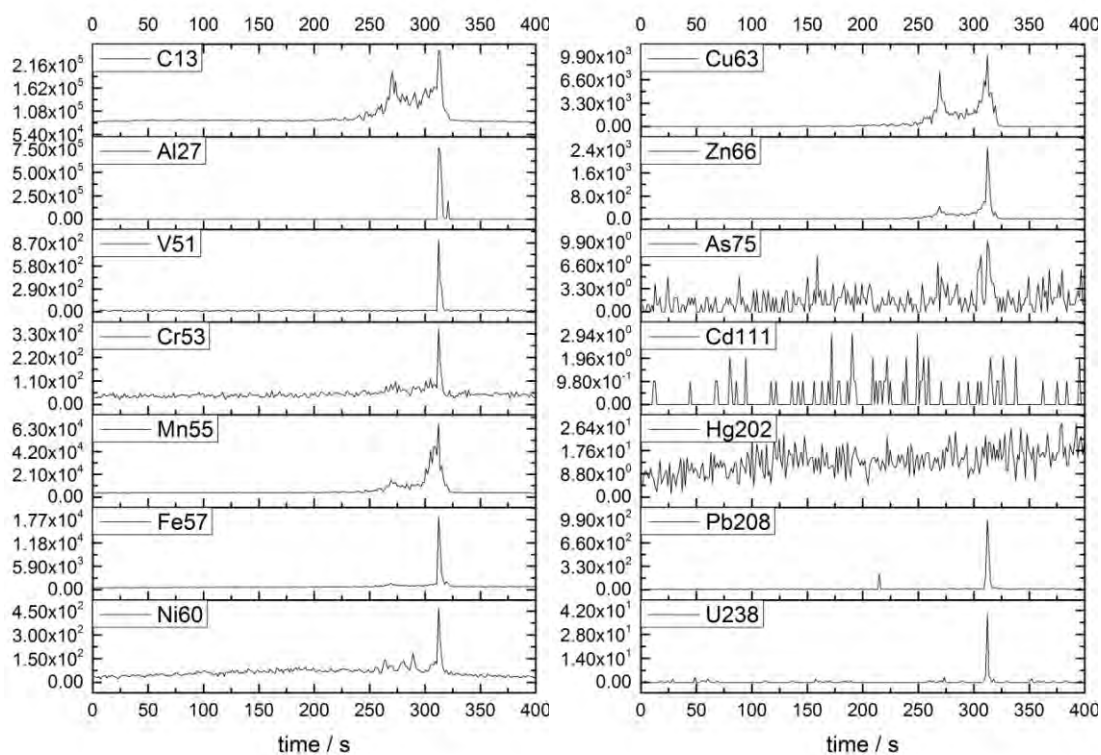
Kent Apple (Discovery) 1



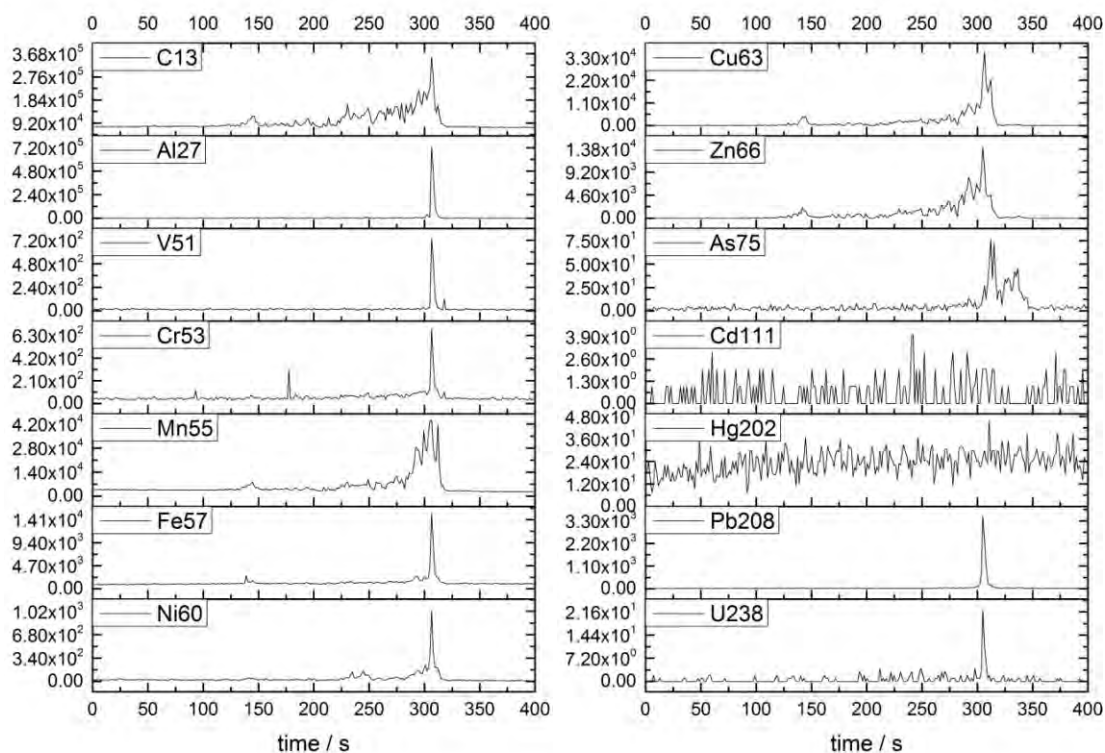
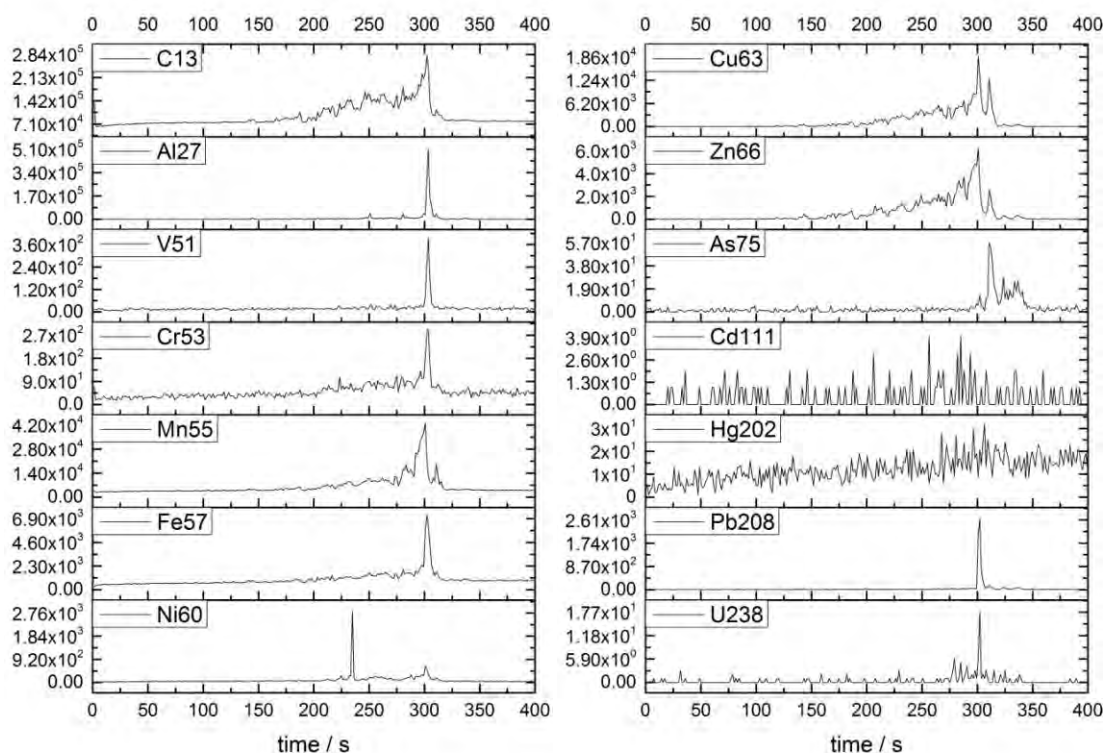
Kent Apple (Bramley) 3



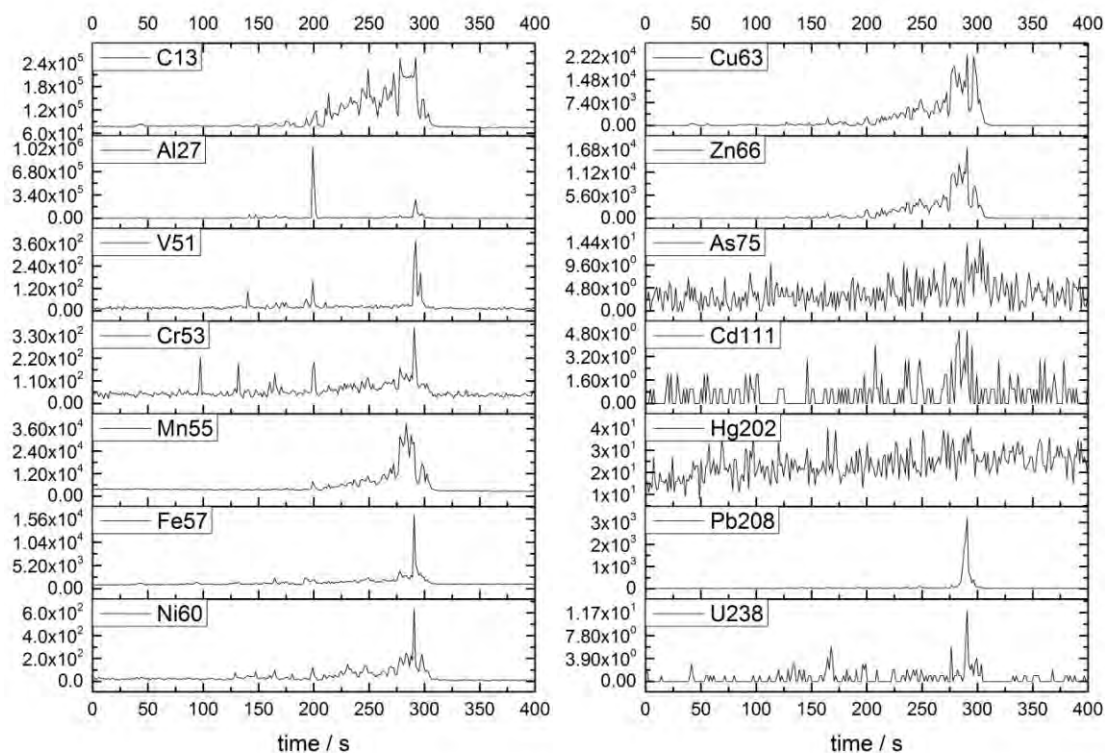
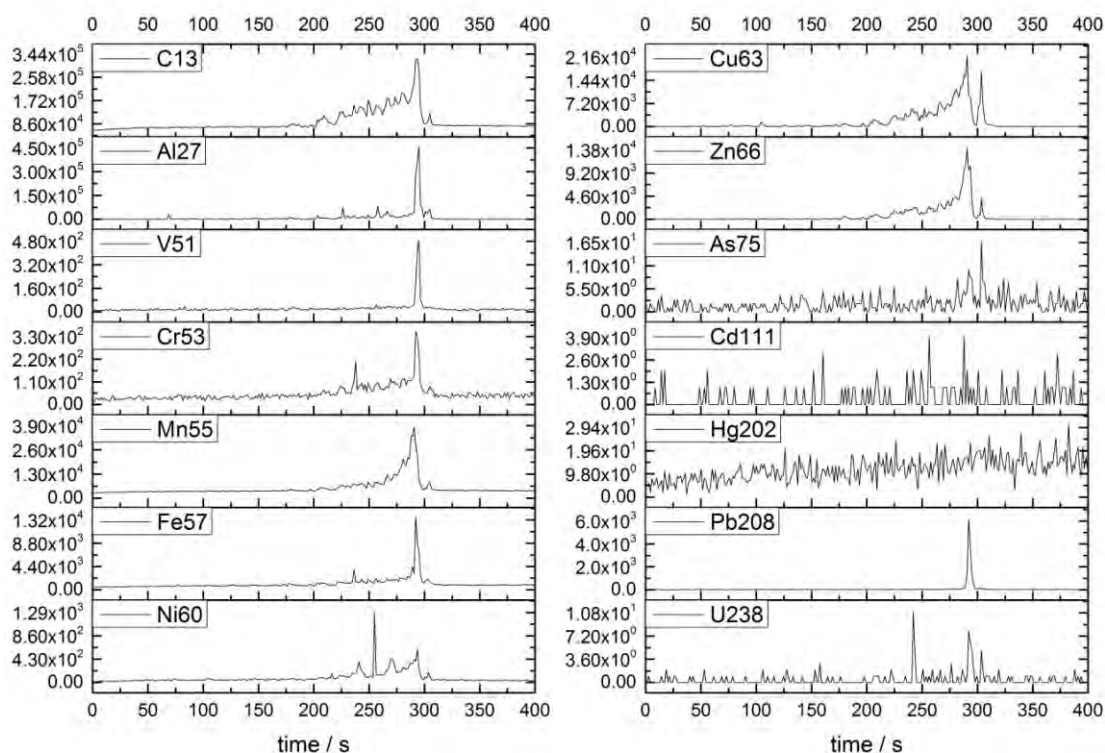
Kent Apple (Bramley) 2



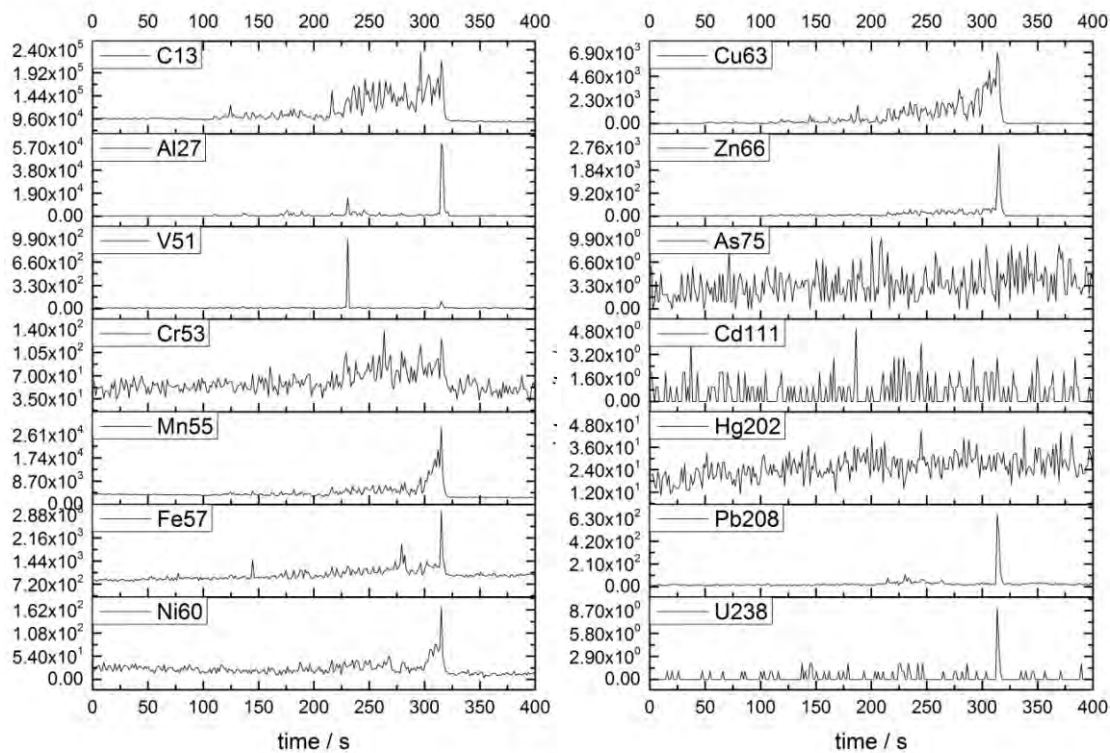
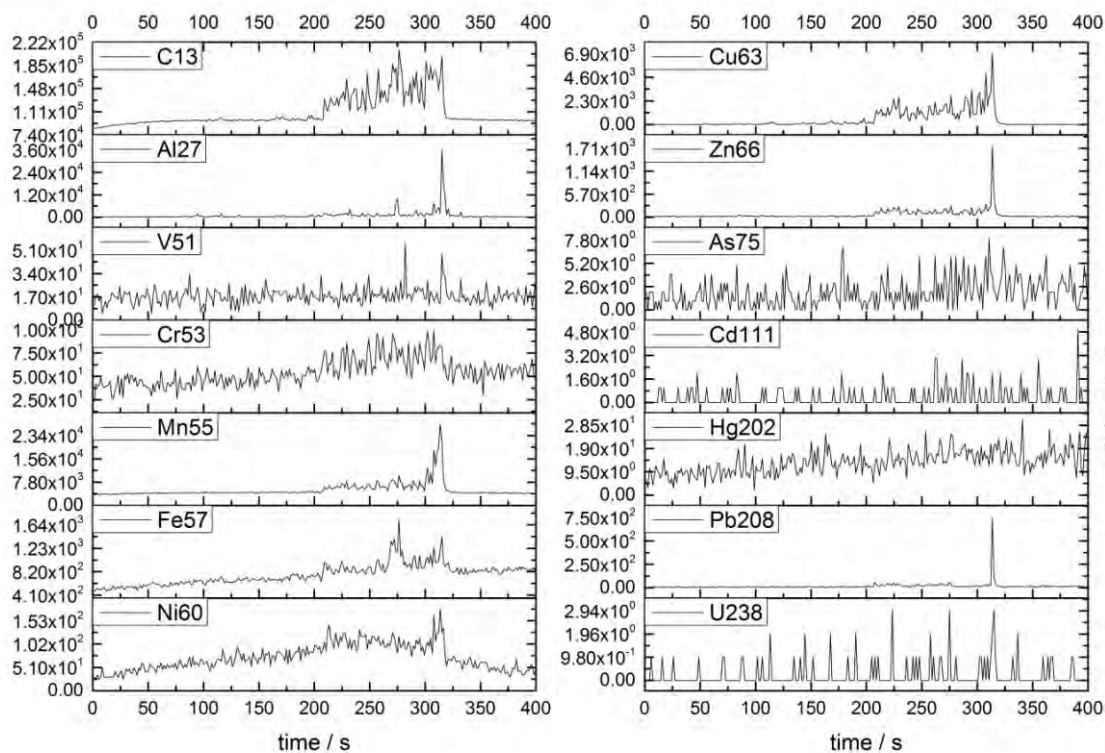
Suffolk Apple (Bramley) 3



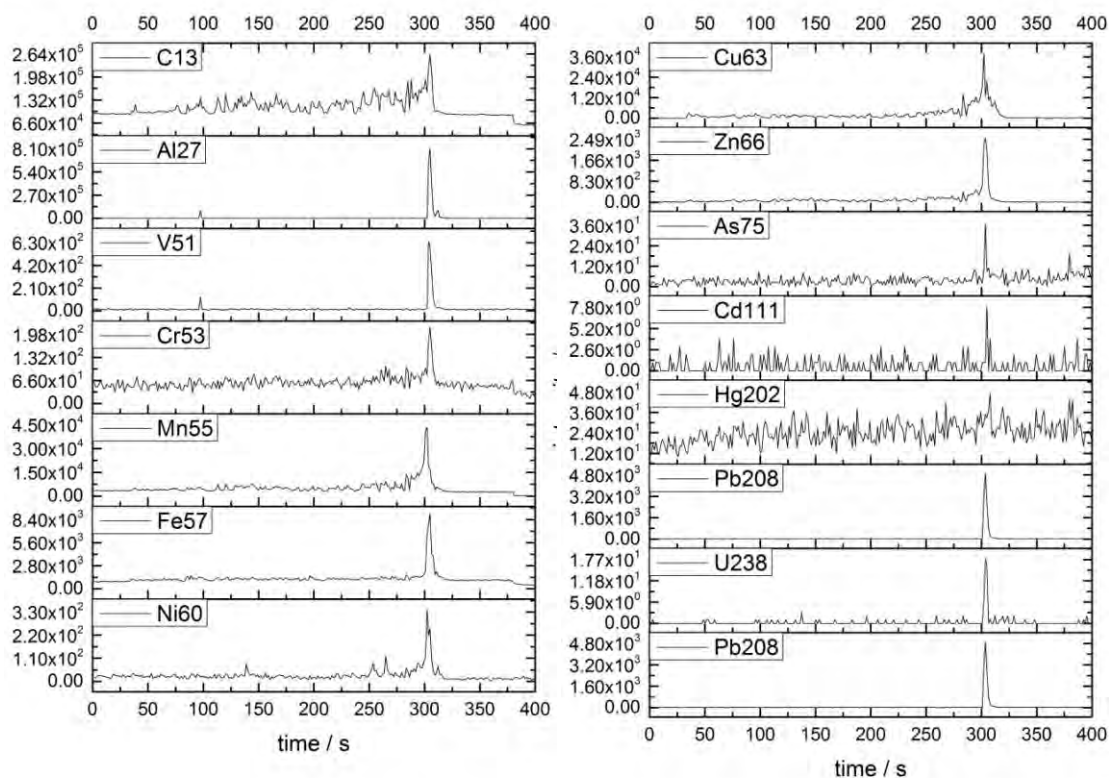
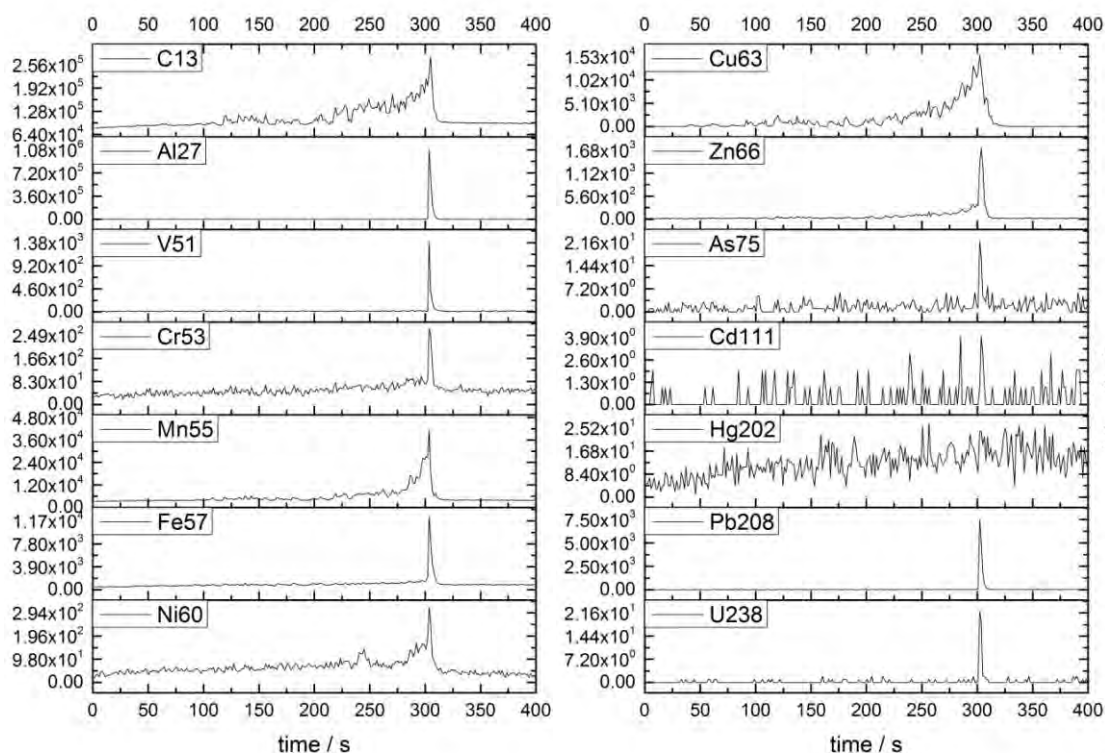
Suffolk Apple (Bramley) 1



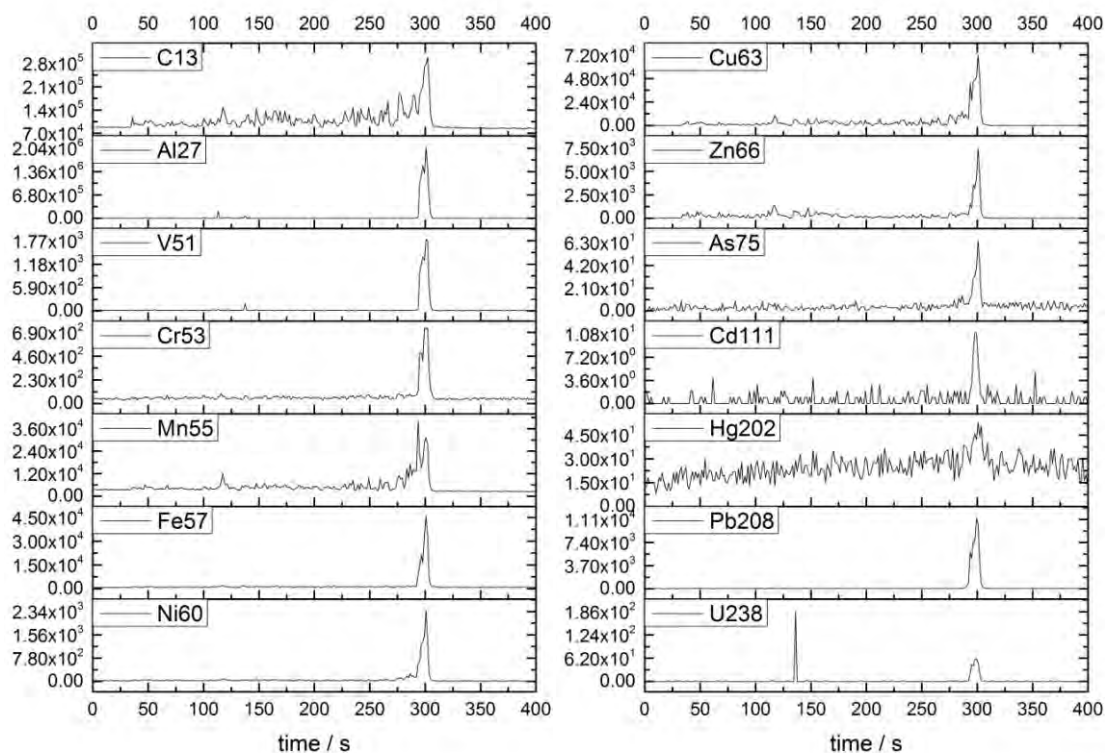
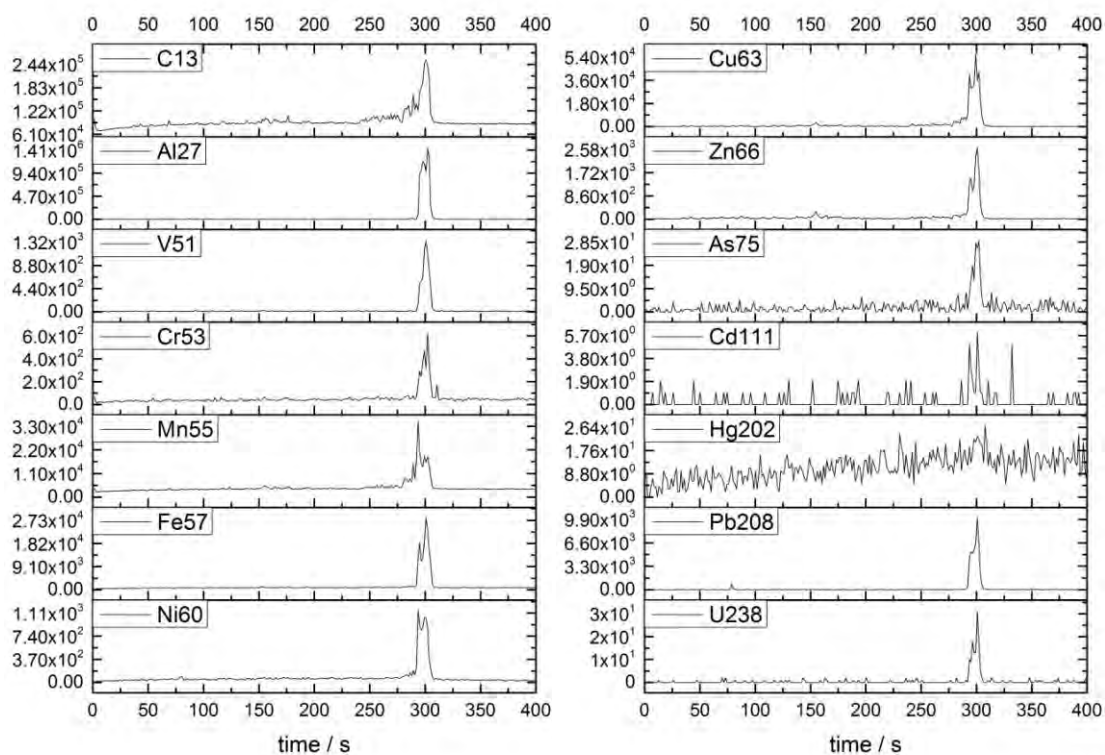
Kent Apple (Discovery) 2



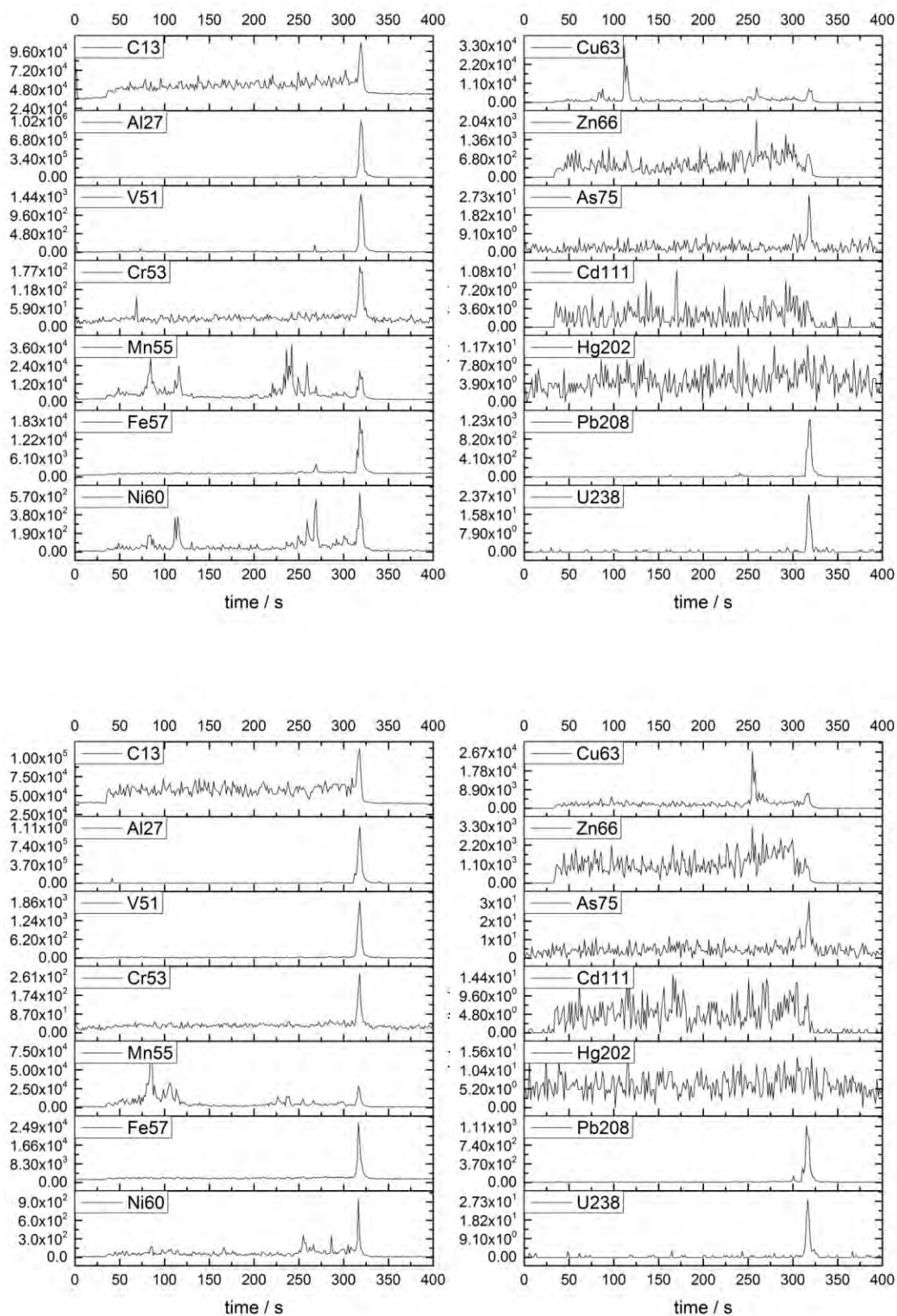
Suffolk Apple (Discovery) 1



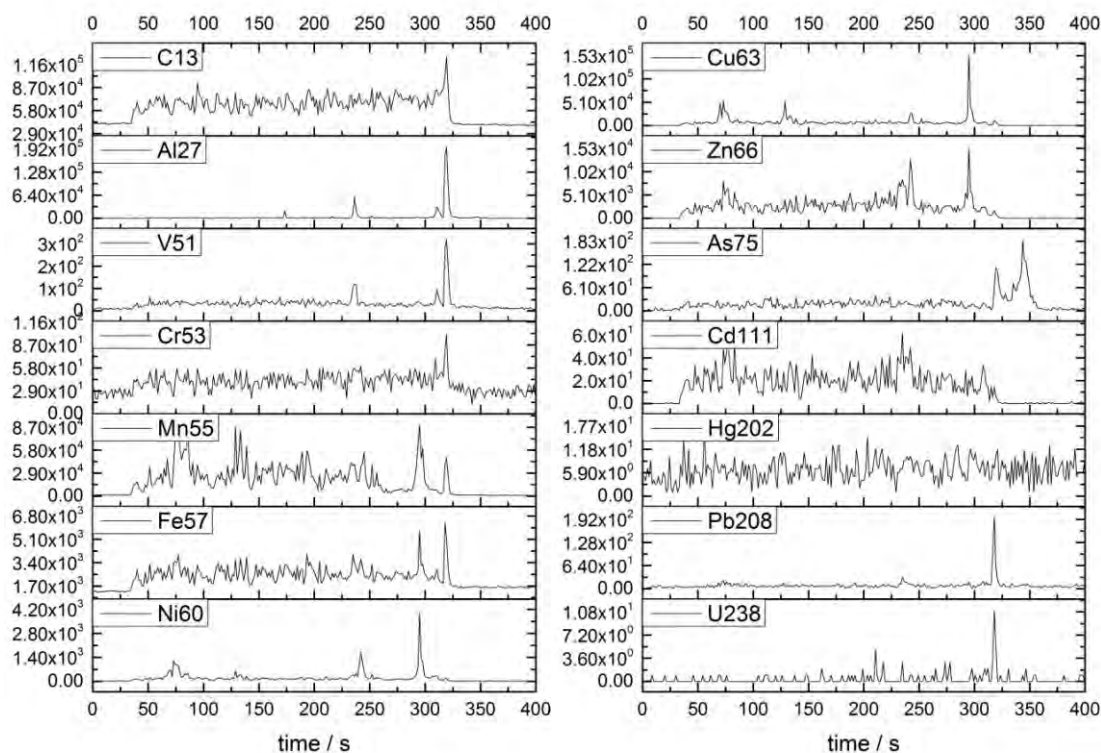
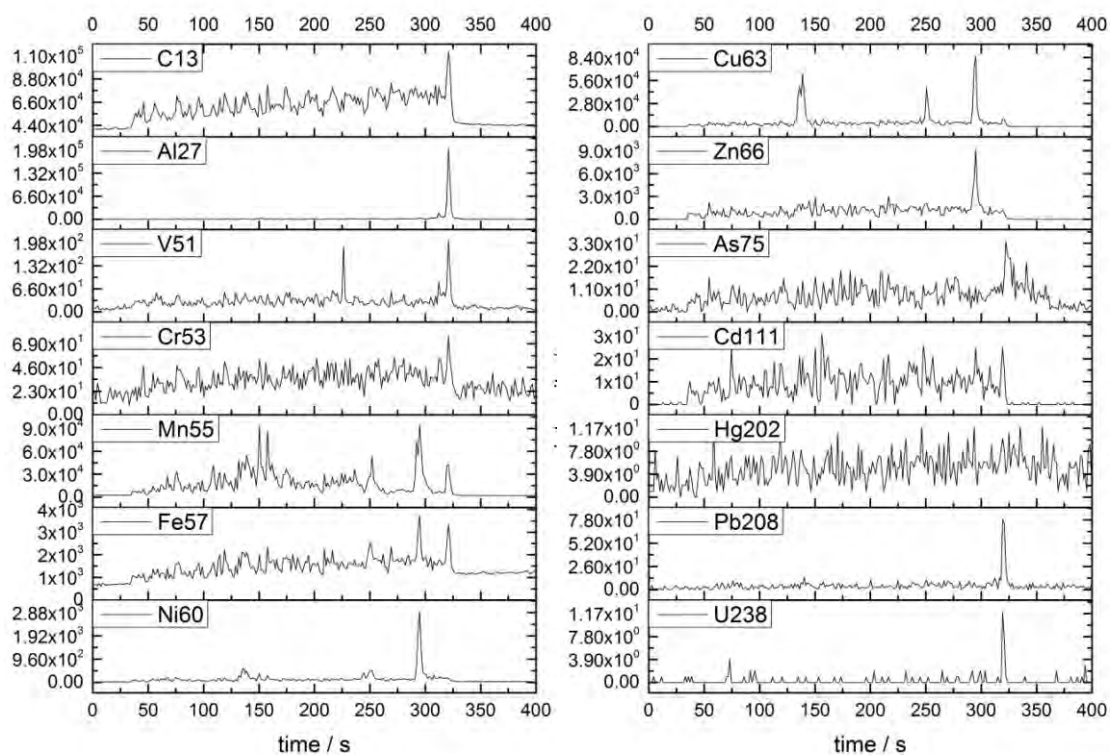
Suffolk Apple (Discovery) 3



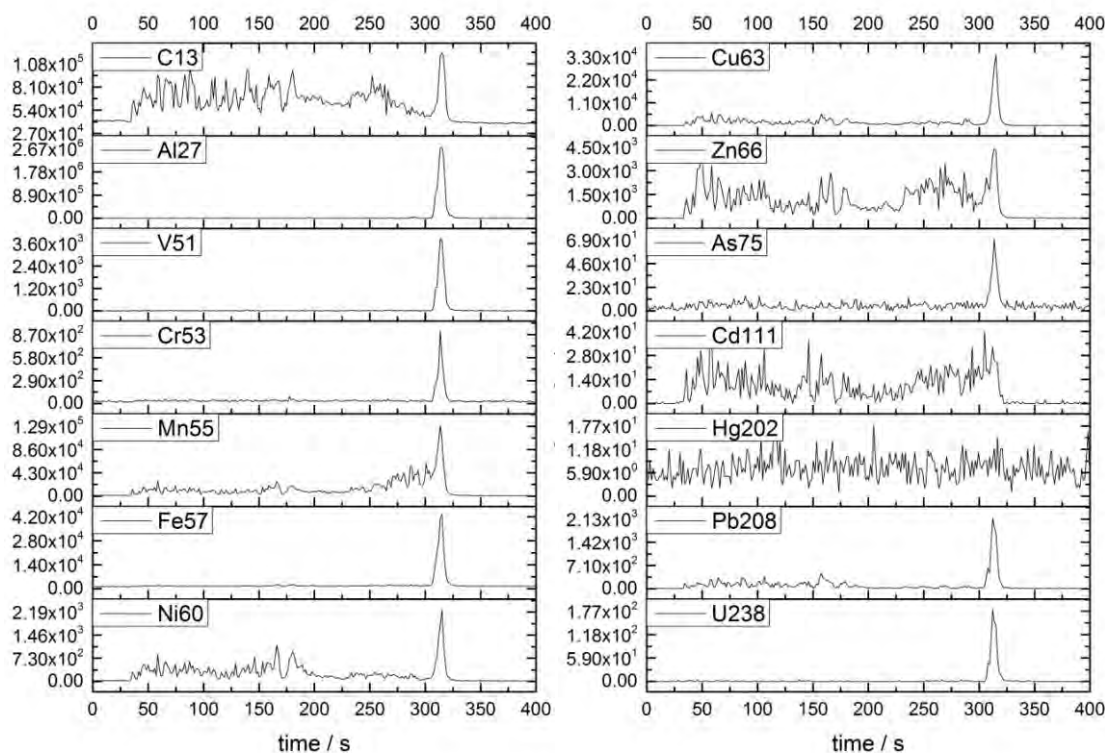
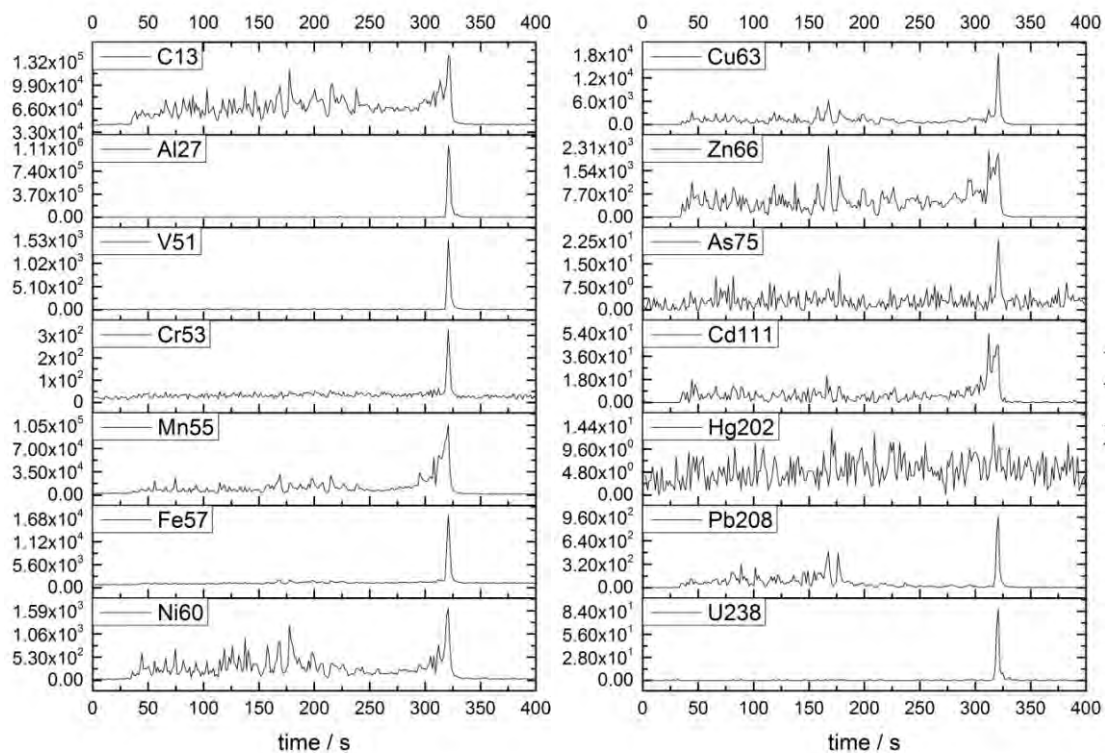
Northern Ireland Potato (Comber) 1



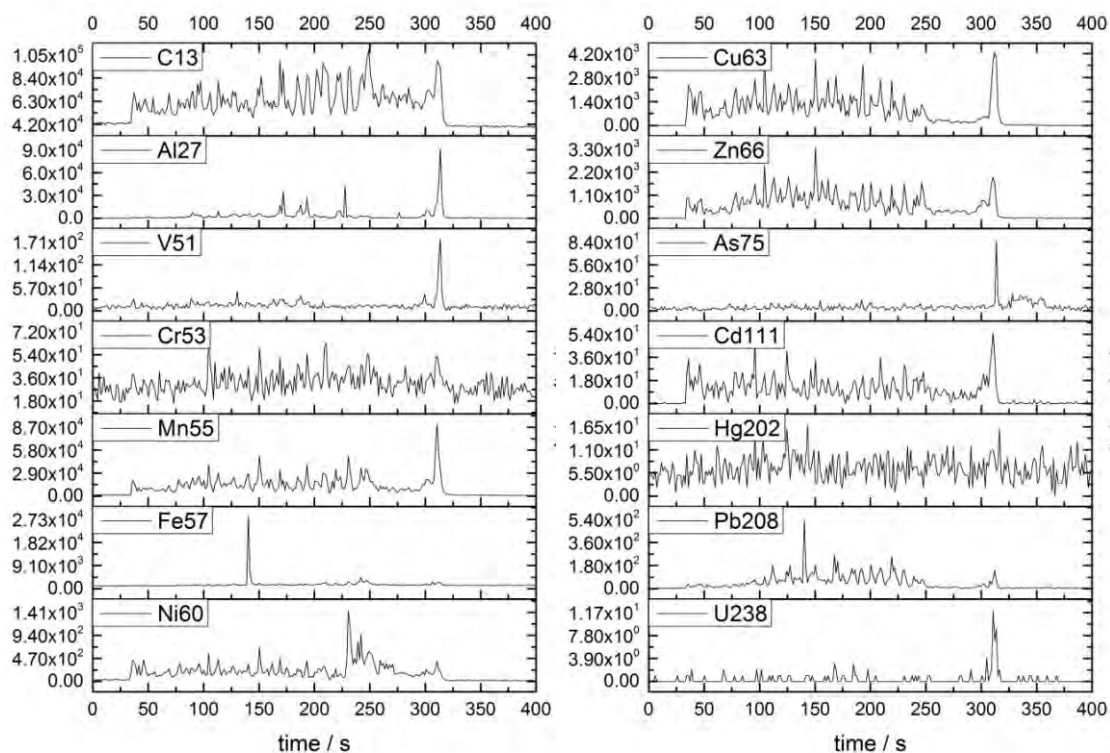
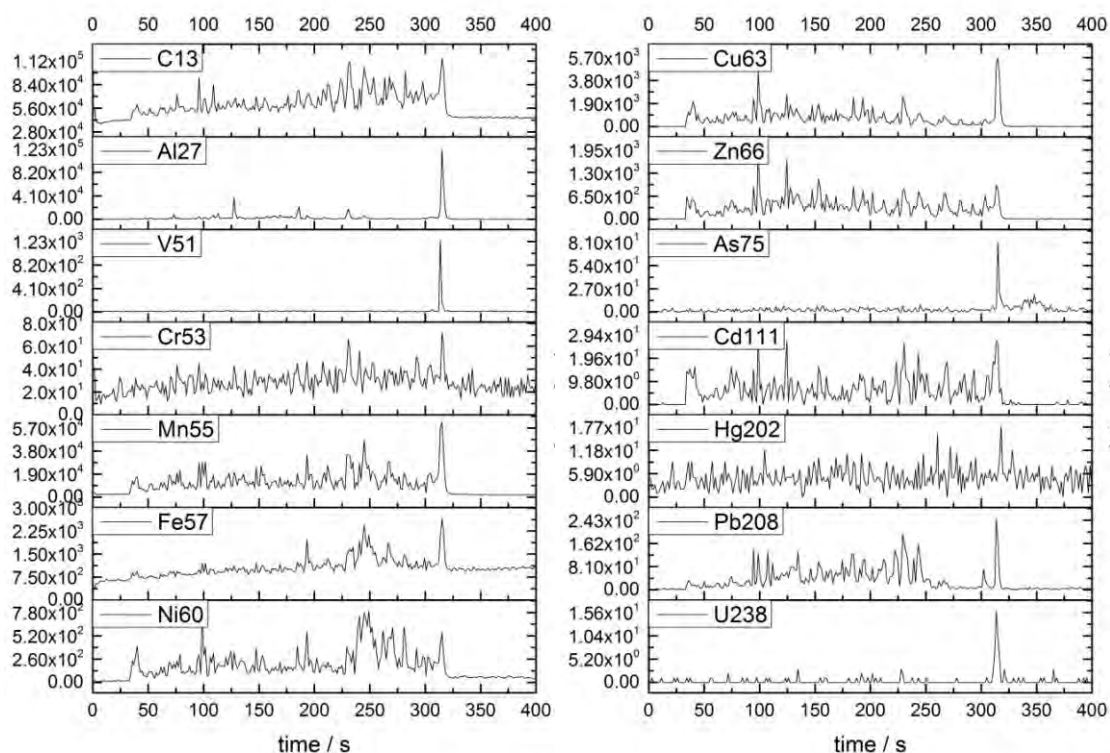
Northern Ireland Potato (Comber) 2



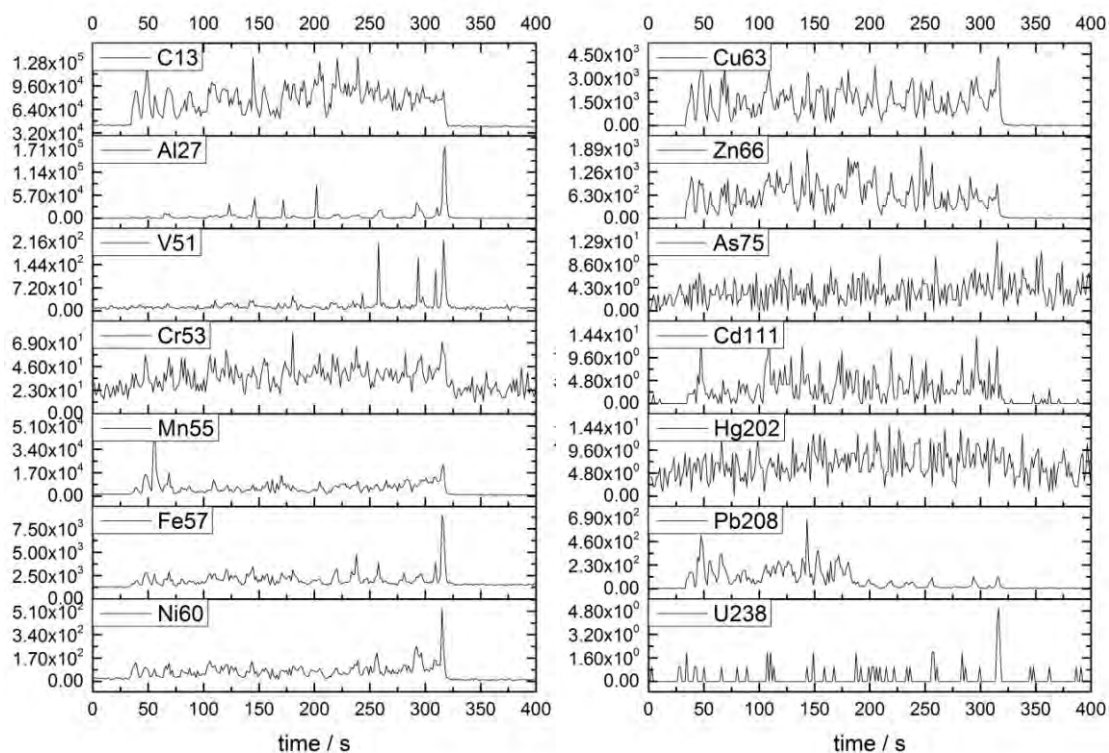
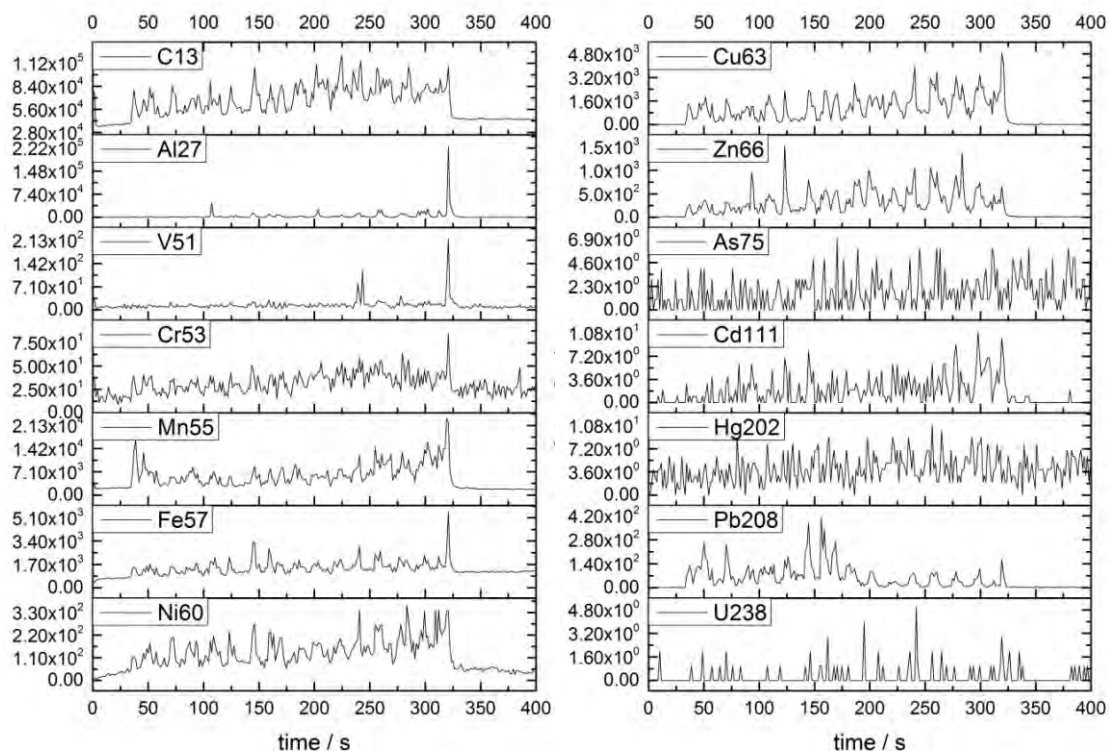
Northern Ireland Carrot 1



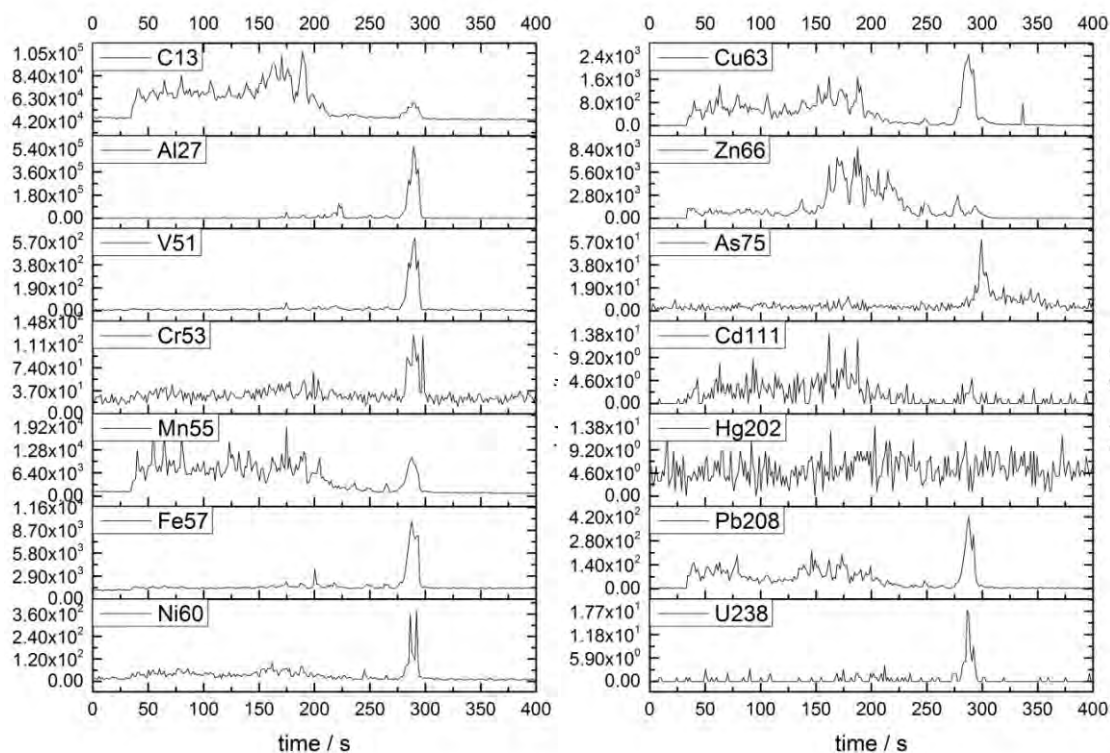
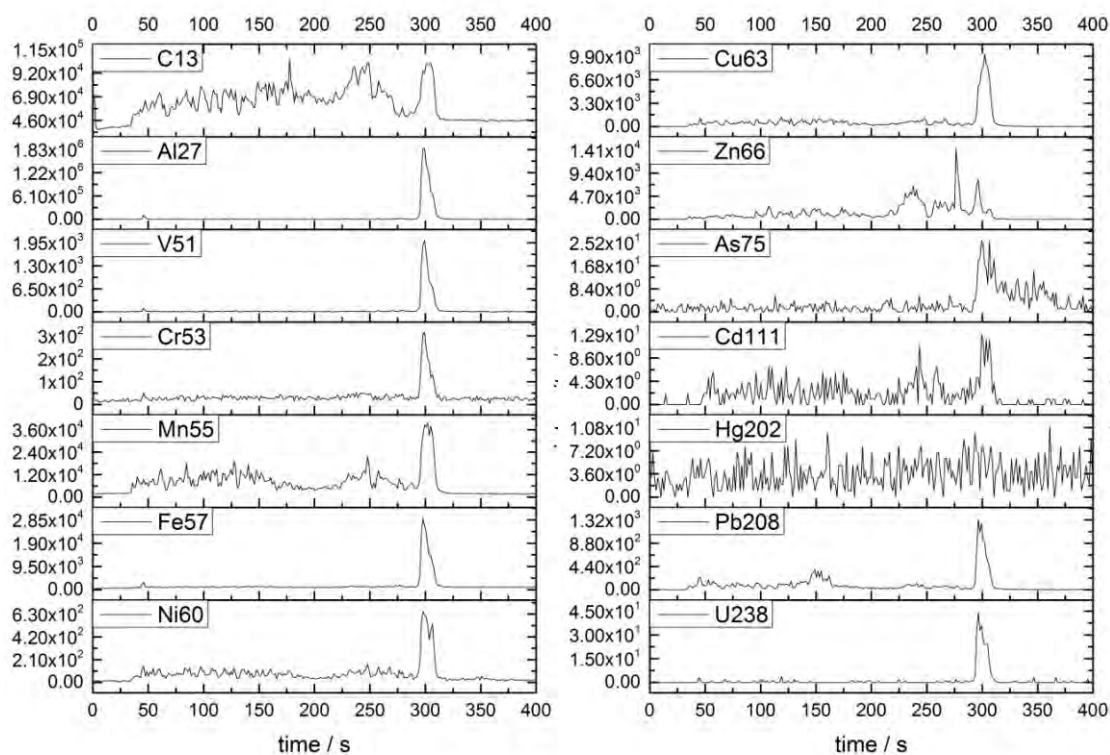
Northern Ireland Carrot 2



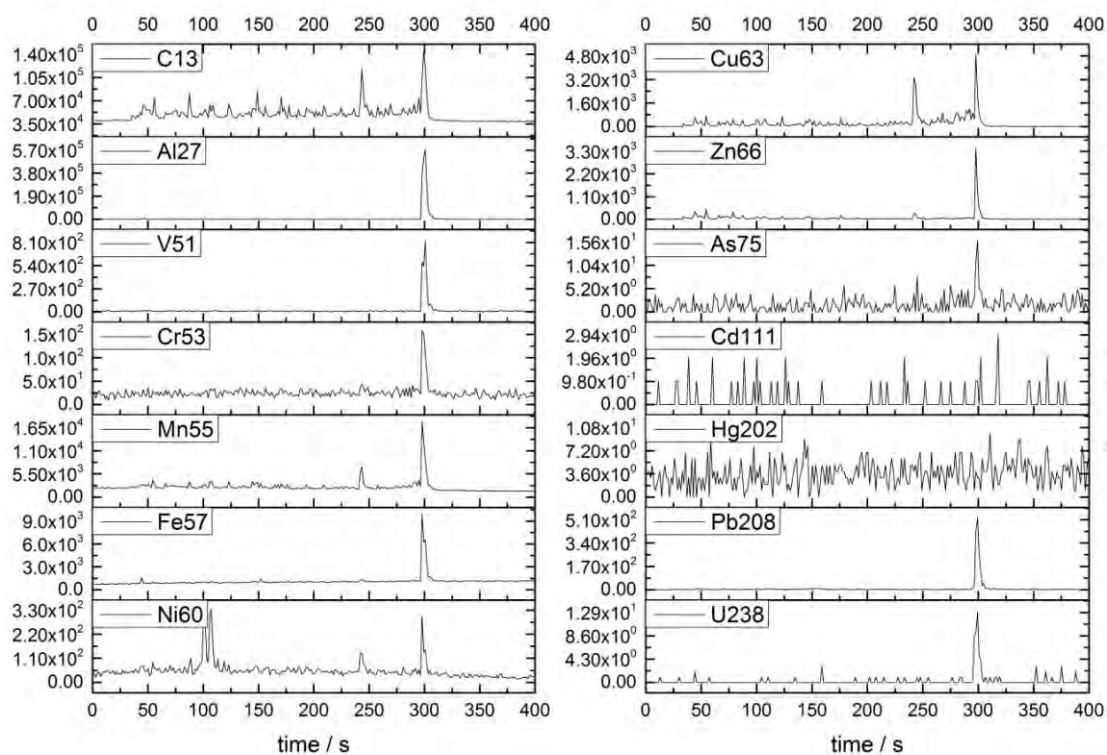
Northern Ireland Parsnip 1



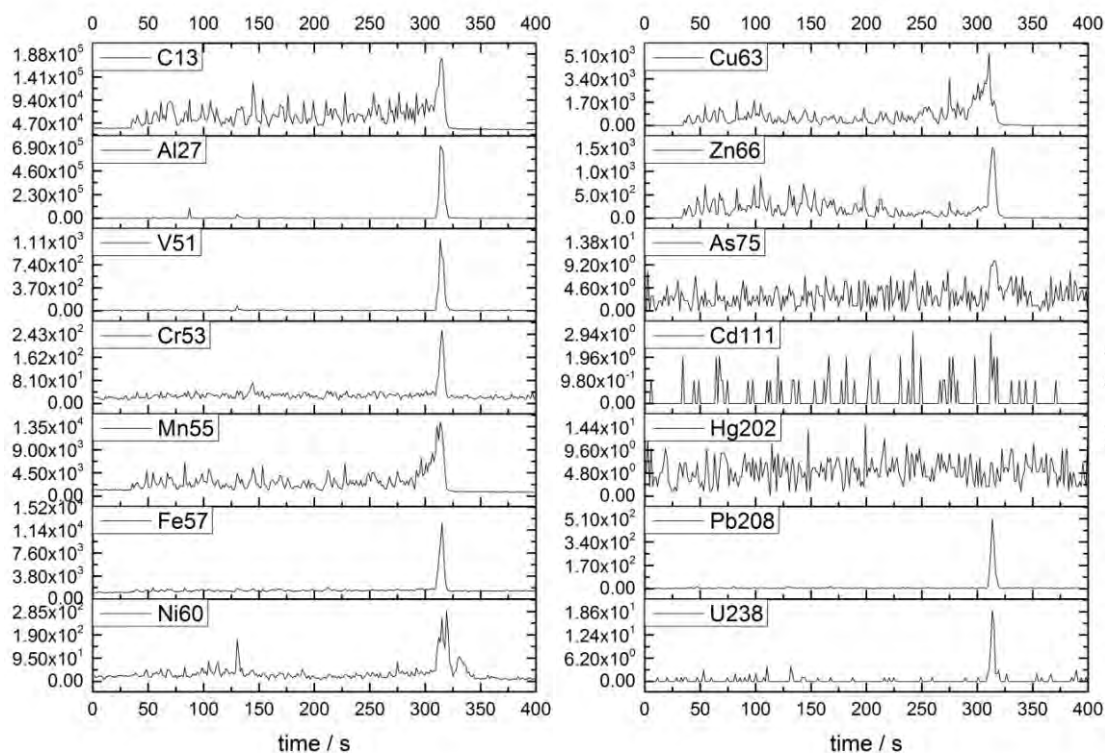
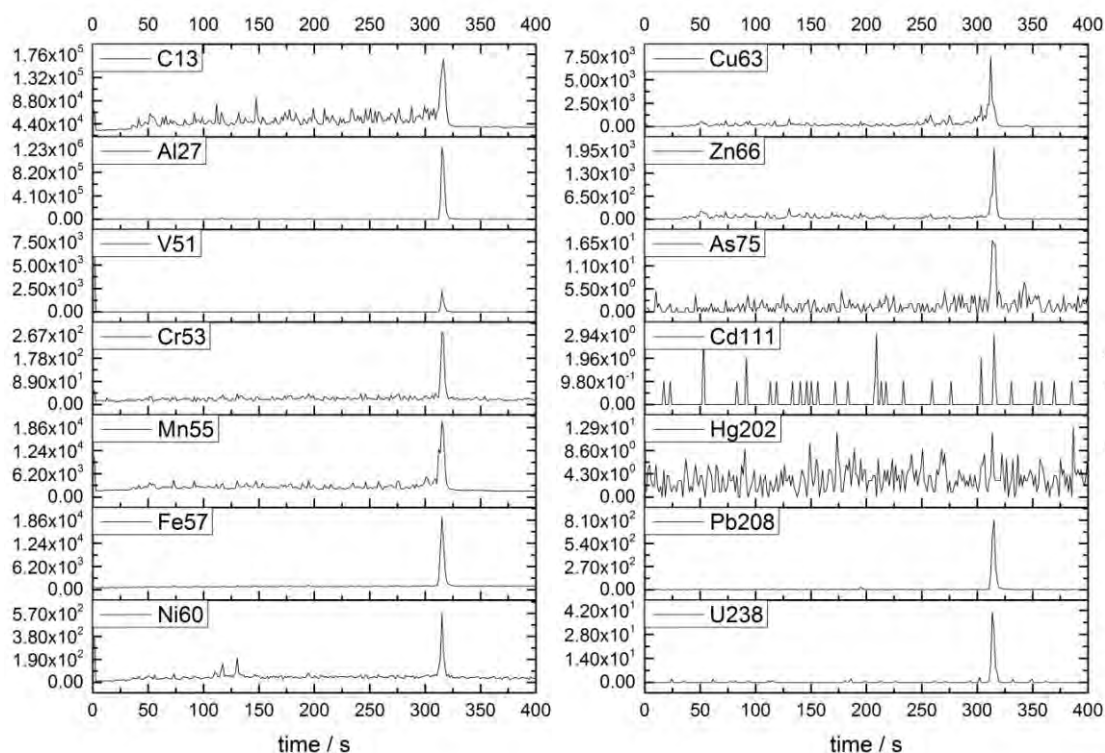
Northern Ireland Parsnip 2



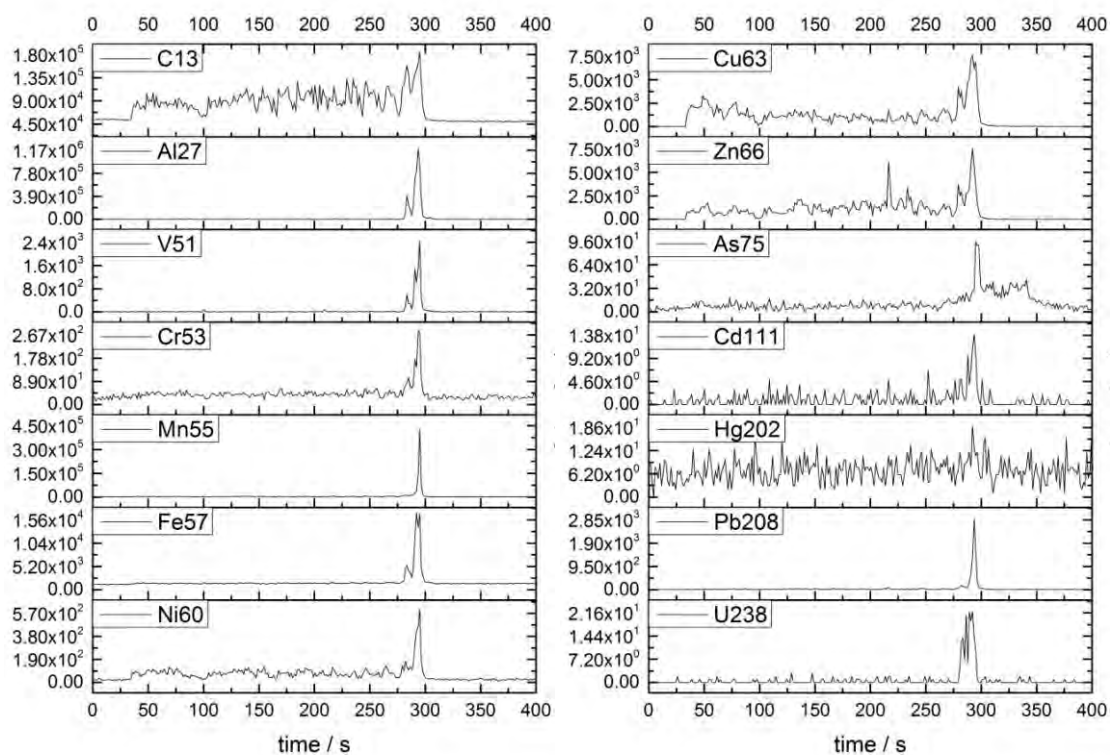
Northern Ireland Apple (Discovery) 1



Northern Ireland Apple (Discovery) 2



Northern Ireland Pear (Concorde) 1



Northern Ireland Pear (Concorde) 2

