Recipe 3.7. Filtering MS peak lists

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1. Problem

You want to filter MS peak lists.

2. Solution

A filter process a MS peak list and return a sub-peak list with selected peaks only. Any MS filters have to subclass AbstractPeakListFilter.

A filter can also include a list of approved mzs even if it does not pass the filter:

```
import import org.apache.commons.collections15.Transformer;

// this filter select the 3 most intense peaks
AbstractPeakListFilter filter = new NHighestPeaksFilter(3);

// a white list with a tolerance
filter.setWhiteList(Arrays.asList(2.3), 0.5);

// the filter object make the job here
PeakList subPl = filter.transform(pl);

final double[] ms = newPL.getMzs();
Assert.assertTrue(Arrays.equals(new double[] {2.0, 4.0, 5.0, 10.0}, ms));
```

3. Discussion

4. See Also

