### Table 1. Examples of training needs specific to LC-MS/MS operations

<table>
<thead>
<tr>
<th>Category</th>
<th>Examples</th>
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</table>
| **Basic principles**          | - Liquid chromatography  
- Mass spectrometry  
- Sample preparation methods |
| **Instrumentation**           | - MS optimization (tuning)  
- System suitability testing  
- LC flushing  
- LC fittings and tubing |
| **Safety**                    | - Voltage, pressure  
- Compressed gases  
- Handling of hazardous materials  
- PPE  
- Environmental controls |
| **Analytical skills**         | - Operation of water purification system  
- Operation and maintenance of evaporators  
- Operation and maintenance of analytical balance  
- Volumetric and weighing techniques  
- Preparation of solutions (mobile phase, QC, calibrators, standards)  
- Glassware washing  
- Peak integration |
| **Prevention of contamination** | - Handling and storage of solutions  
- Pouring off reagents  
- Equipment maintenance and cleaning  
- Choosing compatible materials (plastics)  
- Handling instrument parts and consumables  
- Reagent verification |
| **Troubleshooting**           | - Common problems with MS and LC components  
- Trend documentation/interpretation |