



MassLynx Auto Shutdown

- Feature that enables you to halt the mass spec and other peripheral equipment that are controlled through MassLynx
 - Saves Mobile Phases
 - Saves Gases (collision and API)
 - Extends lifetime of equipment by shutting down when not in use - takes MS out of operate, turns LC pump off, turns UV lamp off)

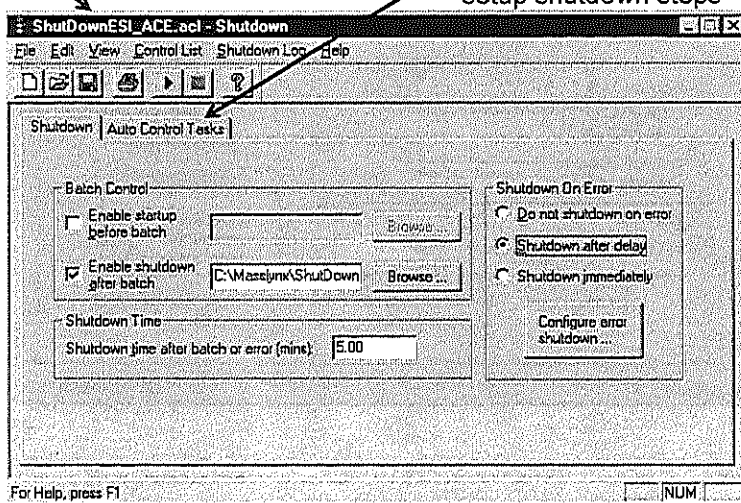
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To setup the shutdown procedures, use the 'Run / Edit Shutdown' menu item on the main MassLynx window.

Shutdown file name

Use 'Auto Control Tasks' to setup shutdown steps



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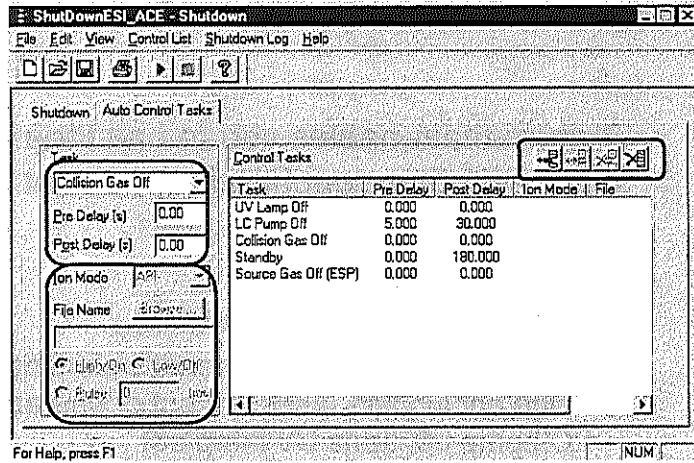


Go Over Various Control Tasks

Basic Order to Shutdown

LC UV Lamp
LC Pump
Standby
Collision Gas
Source Gas

(Collision gas can be done any time)

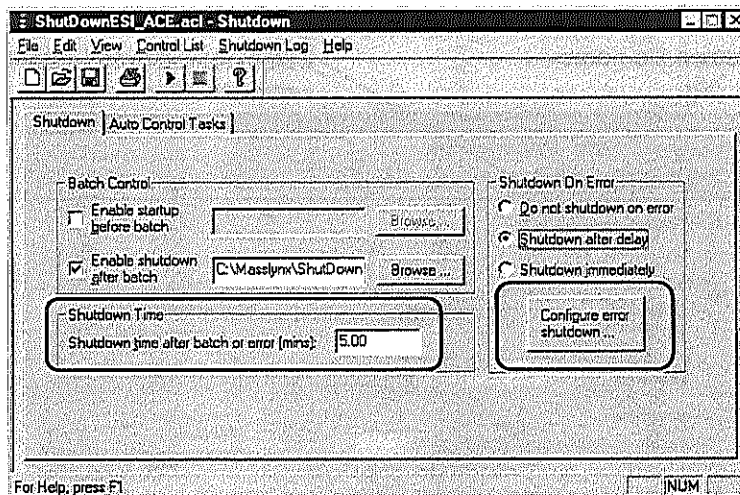


Go over: 1) Post/Pre Delay, 2) Wait after Standby before turning off source gas, 3) Running an LC method at the end, 4) Loading another tune page

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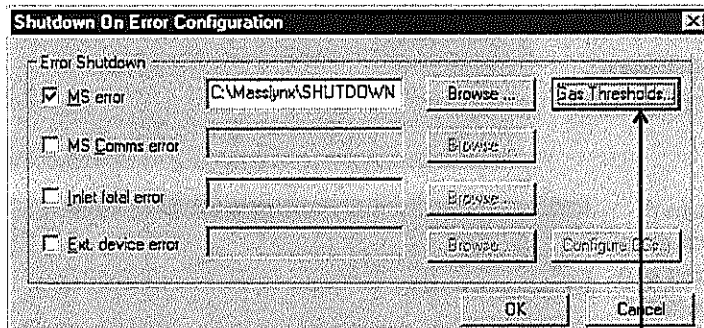
Time to Wait Before Shutdown and Error Shutdown Configuration



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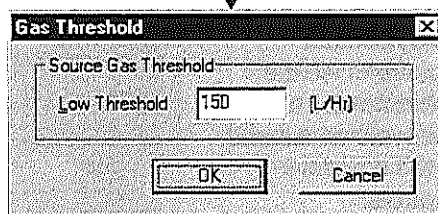


Shutdown on Error Configuration



Shutdown on MS error should use the **ShutdownESI_ACE.ac1** shutdown menu.

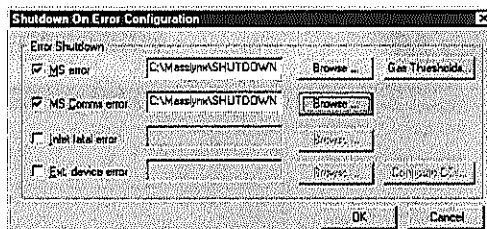
Be sure to set a low gas threshold for an MS error



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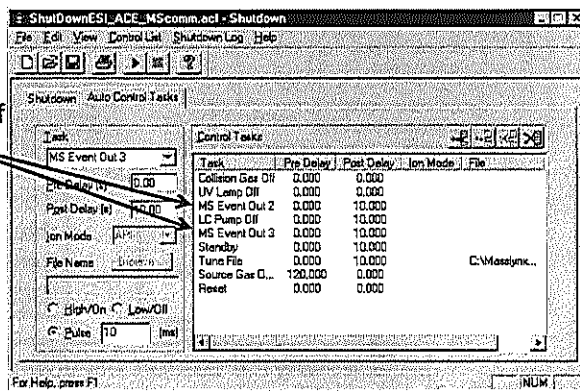


Advanced Concepts on Error Shutdown Configuration



In the event of a Comms error, add a few MS Event out settings. These are contact closures to the UV and LC to turn off the lamp and stop the pump in the event communication has been lost.

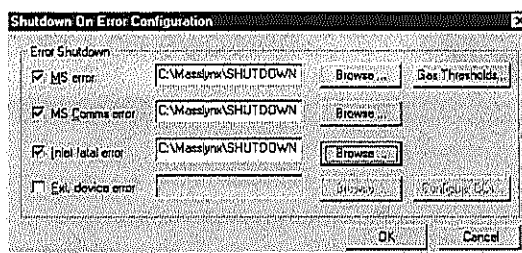
Save this shutdown menu under another filename and browse it into the error configuration.



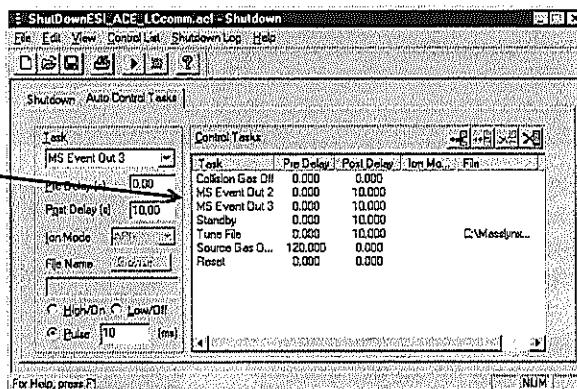
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Advanced Concepts on Error Shutdown Configuration



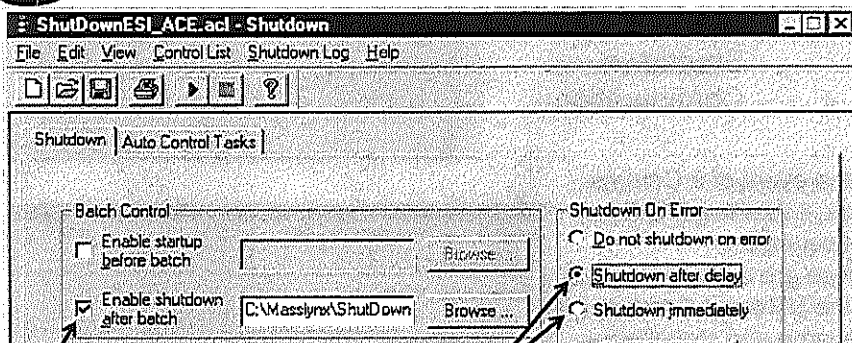
In the event of an inlet fatal error there will be no comms to the pump, therefore the pump and UV lamp must be turned off by contact closure. Use the event outs to turn off the systems instead of the standard controls.



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Enabling Shutdown



To have MassLynx shutdown the instruments after a batch is completed, make sure this box is 'checked'.

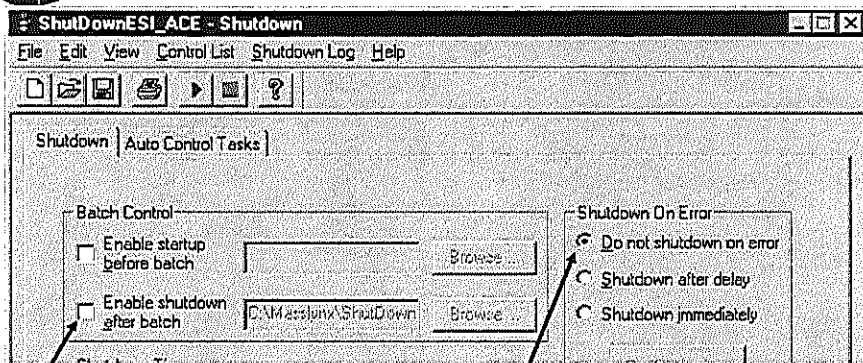
To have MassLynx shutdown the instruments if an error is detected, check one of the 'Shutdown' options.

After setting the desired shutdown, save these settings using 'File / Save' or 'click' on the 'floppy' button.

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Disabling Shutdown



To keep MassLynx from shutting down the instruments after a batch is completed, make sure this box is 'unchecked'.

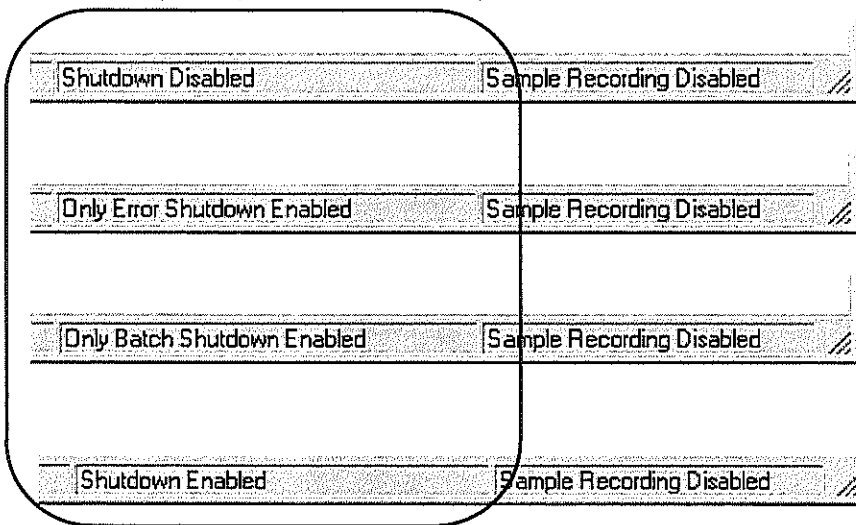
To keep MassLynx from shutting down the instruments if an error is detected, check 'Do Not Shutdown on Error'.

After setting the desired shutdown, save these settings using 'File / Save' or 'click' on the 'floppy' button.

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'Shutdown' Status is displayed in the lower right corner of the main MassLynx Window (sample list window)



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