

Instrument Method: Opiates

LCQ Fleet Instrument Method

Creator: LCQ FLEET

Last modified: 09/10/2013 by LCQ FLEET

MS Run Time (min): 15.00

Sequence override of method parameters not enabled.

Divert Valve: in use during run

Divert Time (min)	Valve State
=====	=====
0.00	To Source
0.01	To Waste
1.50	To Source

Contact Closure: not used during run

Syringe Pump: not used during run

MS Detector Settings:

Acquisition Start Delay (min): 0.50

Real-time modifications to method disabled

Stepped collision energy enabled

Collision energy width: 20.0

Number of collision energy steps: 3

Additional Microscans:

MS2	0	0
MS3	0	0
MS4	0	0
MS5	0	0
MS6	0	0
MS7	0	0
MS8	0	0
MS9	0	0
MS10	0	0

Segment 1 Information

Duration (min): 4.00

Number of Scan Events: 5

Tune Method: MORPHINE_GLUCURONIDE_BARTS

Scan Event Details:

1: ITMS + c norm !corona !pi o(129.0-650.0)
CV = 0.0V

2: ITMS + c norm !corona !pi Dep Wideband MS/MS Most intense ion from

Activation Type: CID

Min. Signal Required: 30.0

Isolation Width: 3.00

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Normalized Coll. Energy: 35.0
Default Charge State: 1
Activation Q: 0.250
Activation Time: 30.000
CV = 0.0V

- 3: ITMS + c norm !corona !pi Dep Wideband MS/MS 2nd most intense ion
Activation Type: CID
Min. Signal Required: 30.0
Isolation Width: 3.00
Normalized Coll. Energy: 35.0
Default Charge State: 1
Activation Q: 0.250
Activation Time: 30.000
CV = 0.0V
- 4: ITMS + c norm !corona !pi · (462.00) -> oW(125.0-300.0)
MS/MS: AT CID CE 30.0% Q 0.250 Time 30.000 IsoW 3.0
CV = 0.0V
- 5: ITMS + c norm !corona !pi · (462.00) -> · (286.15) -> oW(75.0-300.0)
MS2: AT CID CE 30.0% Q 0.250 Time 30.000 IsoW 3.0
MS3: AT CID CE 45.0% Q 0.250 Time 30.000 IsoW 3.0
CV = 0.0V

Data Dependent Settings:

Use separate polarity settings enabled
(+) Neutral Loss Mass List: (none)
(+) Product Mass List: (none)
(+) Neutral loss in top: 3
(+) Product in top: 3
(+) Most intense if no parent masses found not enabled
(+) Add/subtract mass not enabled
(+) Charge state screening not enabled
(+) Charge state rejection not enabled
(-) Neutral Loss Mass List: (none)
(-) Product Mass List: (none)
(-) Neutral loss in top: 3
(-) Product in top: 3
(-) Most intense if no parent masses found not enabled
(-) Add/subtract mass not enabled
(-) Charge state screening not enabled
(-) Charge state rejection not enabled

Segment 2 Information

Duration (min): 11.00
Number of Scan Events: 8
Tune Method: morphine

Scan Event Details:

- 1: ITMS + c norm !corona !pi o(129.0-650.0)
CV = 0.0V
- V 2: ITMS + c norm !corona !pi Dep Wideband MS/MS Most intense ion from

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- Activation Type: CID
 Min. Signal Required: 30.0
 Isolation Width: 3.00
 Normalized Coll. Energy: 35.0
 Default Charge State: 1
 Activation Q: 0.250
 Activation Time: 30.000
 CV = 0.0V
- 3: ITMS + c norm !corona !pi Dep Wideband MS/MS 2nd most intense ion
 Activation Type: CID
 Min. Signal Required: 30.0
 Isolation Width: 3.00
 Normalized Coll. Energy: 35.0
 Default Charge State: 1
 Activation Q: 0.250
 Activation Time: 30.000
 CV = 0.0V
- 4: ITMS + c norm !corona !pi Dep Wideband MS/MS 3rd most intense ion
 Activation Type: CID
 Min. Signal Required: 30.0
 Isolation Width: 3.00
 Normalized Coll. Energy: 35.0
 Default Charge State: 1
 Activation Q: 0.250
 Activation Time: 30.000
 CV = 0.0V
- 5: ITMS + c norm !corona !pi Dep Wideband MS/MS 4th most intense ion
 Activation Type: CID
 Min. Signal Required: 30.0
 Isolation Width: 3.00
 Normalized Coll. Energy: 35.0
 Default Charge State: 1
 Activation Q: 0.250
 Activation Time: 30.000
 CV = 0.0V
- 6: ITMS + c norm !corona !pi Dep Wideband MS/MS 5th most intense ion
 Activation Type: CID
 Min. Signal Required: 5.0
 Isolation Width: 3.00
 Normalized Coll. Energy: 35.0
 Default Charge State: 1
 Activation Q: 0.250
 Activation Time: 30.000
 CV = 0.0V
- 7: ITMS + c norm !corona !pi ·(328.00)->oW(125.0-350.0)
 MS/MS: AT CID CE 45.0% Q 0.250 Time 30.000 IsoW 3.0
 CV = 0.0V
- 8: ITMS + c norm !corona !pi ·(342.00)->oW(90.0-350.0)
 MS/MS: AT CID CE 38.0% Q 0.250 Time 30.000 IsoW 3.0
 CV = 0.0V

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Use separate polarity settings enabled
(+) Neutral Loss Mass List: (none)
(+) Product Mass List: (none)
(+) Neutral loss in top: 3
(+) Product in top: 3
(+) Most intense if no parent masses found not enabled
(+) Add/subtract mass not enabled
(+) Charge state screening not enabled
(+) Charge state rejection not enabled
(-) Neutral Loss Mass List: (none)
(-) Product Mass List: (none)
(-) Neutral loss in top: 3
(-) Product in top: 3
(-) Most intense if no parent masses found not enabled
(-) Add/subtract mass not enabled
(-) Charge state screening not enabled
(-) Charge state rejection not enabled

Global Data Dependent Settings:

Use global parent and reject mass lists enabled
Exclude parent mass from data dependent selection not enabled
Exclusion mass width by mass
Exclusion mass width low: 0.50
Exclusion mass width high: 0.50
Parent mass width by mass
Parent mass width low: 0.50
Parent mass width high: 0.50
Reject mass width by mass
Reject mass width low: 0.50
Reject mass width high: 0.50
Zoom/UltraZoom scan mass width by mass
Zoom/UltraZoom scan mass width low: 5.00
Zoom/UltraZoom scan mass width high: 5.00
Neutral Loss candidates processed by decreasing intensity
Neutral Loss mass width by mass
Neutral Loss mass width low: 0.50
Neutral Loss mass width high: 0.50
Product candidates processed by decreasing intensity
Product mass width by mass
Product mass width low: 0.50
Product mass width high: 0.50
MS mass range: 0.00-1000000.00
MSn mass range by mass
MSn mass range: 0.00-1000000.00
Analog UV data dep. not enabled
Dynamic exclusion not enabled
Isotopic data dependence not enabled
Mass Tags data dependence not enabled

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MS Mass	Start (min)	End (min)	MS FAIMS CV	Normalized Collision Energy
136.00	5.000	7.000		30.
150.10	6.000	8.000		30.
152.00	1.400	2.000		35.
168.10	5.000	8.000		
180.00	4.800	6.000		25.
182.10	2.000	6.000		40.
186.00	0.800	1.500		40.
194.10	5.500	8.600		25.
195.10	4.000	8.000		40.
200.20	0.800	1.500		35.
205.00	1.000	5.000		35.
208.10	5.000	7.000		
220.00	3.000	9.000		35.
224.00	4.000	8.000		35.
238.70	6.000	9.000		
251.00	12.500	13.500		50.
264.30	10.000	12.500		50.
267.00	11.000	13.000		30.
271.10	12.500	13.500		45.
272.20	1.000	6.000		
278.20	9.000	13.500		50.
281.10	10.000	11.500		
284.10	10.000	14.000		
285.10	12.500	14.000		50.
286.15	1.000	6.500		40.
286.20	10.000	14.000		
287.00	12.500	14.000		45.
289.00	12.000	15.000		
290.20	5.000	9.000		30.
292.00	3.500	4.500		40.
300.15	3.600	8.000		40.
301.10	12.500	14.000		
301.30	12.500	13.500		
302.30	3.700	7.000		40.
304.15	7.000	10.000		30.
308.00	9.500	14.000		
309.00	10.000	14.000		45.
310.15	9.000	14.000		26.
312.00	1.500	7.000		45.
316.00	12.000	14.000		
318.20	8.800	12.000		
325.00	6.500	8.500		
325.00	11.500	12.500		40.
326.00	7.000	8.500		45.
328.20	14.500	17.000		45.
340.00	4.000	10.000		35.
340.25	12.000	13.500		25.
342.00	16.500	18.000		38.

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342.10	10.000	15.000	
370.00	7.300	8.300	28.
399.00	3.900	4.500	40.
414.00	3.500	4.500	45.
414.00	8.500	12.000	30.
429.60	9.500	10.500	
447.70	10.000	15.000	
447.71	10.000	15.000	35.
448.00	1.000	10.000	
462.00	2.000	4.000	30.
462.10	2.000	4.000	30.
463.70	10.000	15.000	
463.71	10.000	15.000	35.
476.00	3.000	6.000	
476.10	3.000	6.000	25.
477.70	10.000	15.000	
477.71	10.000	15.000	35.
478.00	4.000	5.200	35.
478.10	4.000	7.500	35.
488.00	4.000	7.500	
502.00	4.000	8.000	
502.10	5.000	8.000	35.
511.10	10.000	15.000	
518.00	10.000	15.000	
590.00	6.100	8.500	32.
590.10	6.100	8.500	32.
644.00	8.500	10.000	33.
644.10	8.500	10.000	33.

(-) Global Parent Masses:

MS Mass	Start (min)	End (min)	MS FAIMS CV	M Normalized Collision Energy
223.00	1.000	8.000		
225.10	1.000	8.000		
231.00	1.000	8.000		
237.00	1.000	8.000		
249.00	4.900	6.900		
294.00	2.400	6.900		
295.90	2.510	4.510		
298.00	3.780	5.780		
307.10	4.700	6.700		
329.00	3.700	5.700		
330.00	3.800	5.800		
359.10	4.800	6.800		
370.10	4.700	6.700		
417.10	4.790	6.790		
444.10	4.000	6.700		
492.00	4.700	6.700		

(+) Global Reject Masses:

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(none)

(-) Global Reject Masses:

(none)

Custom Data Dependent Settings:

Not enabled