

Acquisition Method Info

Method Name	CARETsamplesPOS_1400MZ.m
Method Path	D:\MassHunter\Methods\DeFelice\CARET Methods\CARETsamplesPOS_1400MZ.m
Method Description	Default Method
Device List	
HiP Sampler	
Binary Pump	
Column Comp.	
Q-TOF	

TOF/Q-TOF Mass Spectrometer

Component Name	MS Q-TOF	Component Model	G6530A
Ion Source	AJS ESI	Stop Time (min)	22.00
Can wait for temp.	Enable	Fast Polarity	N/A
MS Abs. threshold	200	MS Rel. threshold(%)	0.010
MS/MS Abs. threshold	5	MS/MS Rel. threshold(%)	0.010
Tune File	AutoTune.tun		

Time Segments

Time Segment #	Start Time (min)	Diverter Valve State	Storage Mode	Ion Mode
1	0	MS	Both	AJS ESI

Time Segment 1

Acquisition Mode MS1

Min Range (m/z)	57
Max Range (m/z)	1400
Scan Rate (spectra/sec)	2.00

Source Parameters

Parameter	Value
Gas Temp (°C)	350
Gas Flow (l/min)	8
Nebulizer (psig)	35
SheathGasTemp	350
SheathGasFlow	9

Scan Segments

Scan Seg #	Ion Polarity
1	Positive

Scan Segment 1

Scan Source Parameters

Parameter	Value
VCap	3000
Nozzle Voltage (V)	200
Fragmentor	125
Skimmer1	65
OctopoleRFPeak	750

ReferenceMasses

Ref Mass Enabled	Enabled
Use Bottle A RefNebulizer	False
Ref Nebulizer (psig)	

AutoRecalibration

Average Scans	1
Detection Window (ppm)	100
Min Height (counts)	500

Reference Masses

<Positive>
121.05087300
922.00979800

Chromatograms

Chrom Type	Label	Offset	Y-Range
TIC	TIC	15	10000000

Name: **HIP Sampler** Model: **G4226A**

Auxiliary

Draw Speed	20.0 µl/min
Eject Speed	20.0 µl/min
Draw Position Offset	1.0 mm
Wait Time After Drawing	5.0 s
Sample Flush Out Factor	5.0
Vial/Well bottom sensing	No

Injection

Injection Mode	Injection with needle wash
Injection Volume	5.00 µL
Needle Wash	
Needle Wash Location	Flush Port
Wash Time	5.0 s

High throughput

Automatic Delay Volume Reduction	No
Overlapped Injection	
Enable Overlapped Injection	No

Valve Switching

Valve Movements	0
Valve Switch Time 1	
Switch Time 1 Enabled	No
Valve Switch Time 2	
Switch Time 2 Enabled	No
Valve Switch Time 3	
Switch Time 3 Enabled	No
Valve Switch Time 4	
Switch Time 4 Enabled	No

Stop Time

Stoptime Mode	As pump/No limit
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Post Time

Posttime Mode	Off
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Name: **Binary Pump** Model: **G4220A**

Flow	0.400 ml/min
Use Solvent Types	Yes
Stroke Mode	Synchronized
Low Pressure Limit	0.00 bar
High Pressure Limit	1200.00 bar
Max. Flow Ramp Up	100.000 ml/min ²
Max. Flow Ramp Down	100.000 ml/min ²
Expected Mixer	No check

Stroke A

Automatic Stroke Calculation A	Yes
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Compress A

Compressibility Mode A	Compressibility Value Set
Compressibility A	45 10e-6/bar

Compress B

Compressibility Mode B	Compressibility Value Set
Compressibility B	75 10e-6/bar

Stop Time

Stoptime Mode	Time set
Stoptime	20.00 min

Post Time

Posttime Mode	Time set
Posttime	3.00 min

Timetable

Timetable

	Time	Function	Parameter
1	0.00 min	Change Solvent Composition	Solvent composition A: 0.00 % B:100.00 %
2	0.00 min	Change Flow	Flow: 0.4 ml/min
3	0.00 min	Change Max. Pressure Limit	Max. Pressure Limit: 1200.00 bar
4	14.00 min	Change Solvent Composition	Solvent composition A: 30.00 % B:70.00 %
5	14.00 min	Change Flow	Flow: 0.4 ml/min
6	14.00 min	Change Max. Pressure Limit	Max. Pressure Limit: 1200.00 bar
7	14.20 min	Change Solvent Composition	Solvent composition A: 55.00 % B:45.00 %
8	14.20 min	Change Flow	Flow: 0.45 ml/min
9	14.20 min	Change Max. Pressure Limit	Max. Pressure Limit: 1200.00 bar
10	17.00 min	Change Solvent Composition	Solvent composition A: 55.00 % B:45.00 %
11	17.00 min	Change Flow	Flow: 0.45 ml/min
12	17.00 min	Change Max. Pressure Limit	Max. Pressure Limit: 1200.00 bar
13	17.10 min	Change Solvent Composition	Solvent composition A: 0.00 % B:100.00 %
14	17.10 min	Change Flow	Flow: 0.45 ml/min
15	17.10 min	Change Max. Pressure Limit	Max. Pressure Limit: 1200.00 bar
16	20.00 min	Change Solvent Composition	Solvent composition A: 0.00 % B:100.00 %
17	20.00 min	Change Flow	Flow: 0.45 ml/min
18	20.00 min	Change Max. Pressure Limit	Max. Pressure Limit: 1200.00 bar

Mobile Phase A: H₂O +4mM Acetic Acid
+6mM Ammonium Acetate

Mobile Phase B: 9:1 Acetonitrile:H₂O +4mM
Acetic Acid +6mM Ammonium Acetate

Solvent Composition



Name: **Column Comp.** Model: **G1316C**

Ready when front door open	Yes
Left Temperature Control	
Temperature Control Mode	Temperature Set
Temperature	45.00 °C
Enable Analysis Left Temperature	
Enable Analysis Left Temperature On	Yes
Enable Analysis Left Temperature Value	0.80 °C
Right Temperature Control	
Right temperature Control Mode	Combined
Enable Analysis Right Temperature	
Enable Analysis Right Temperature On	Yes
Enable Analysis Right Temperature Value	0.80 °C
Stop Time	
Stoptime Mode	As pump/injector
Post Time	
Posttime Mode	Off