Electronic Supplementary Material (ESI) for RSC Advances.
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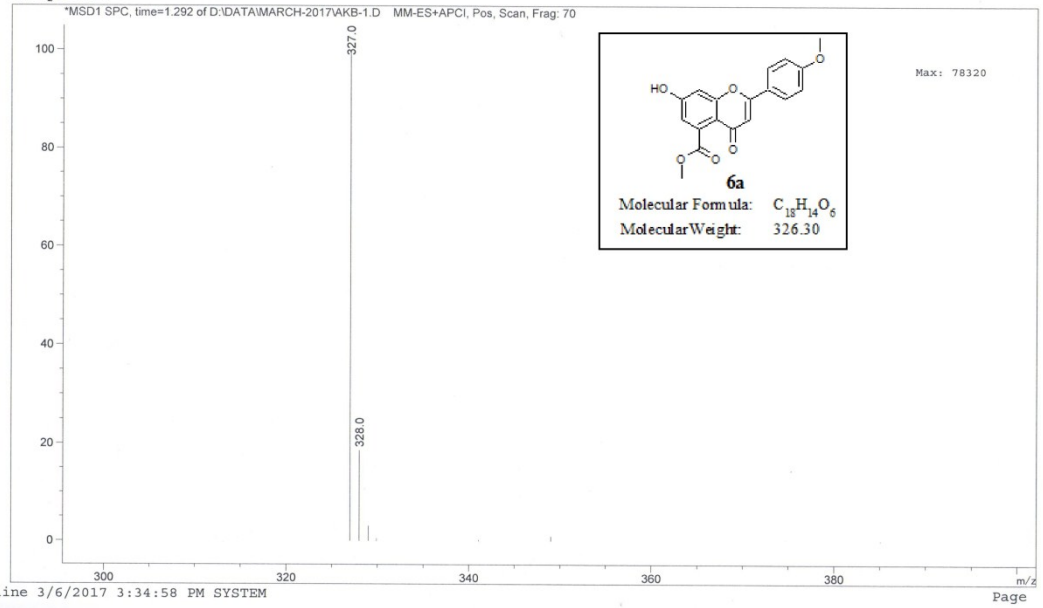
Acq. Operator : SYSTEM
Sample Operator : SYSTEM
Acq. Instrument : LC-MS online Location : Vial 21
Injection Date : 3/6/2017 3:28:47 PM
Inj Volume : 5.000 µl

Method : D:\METHANOL-POSTIVE.M
Last changed : 2/25/2017 8:13:17 PM by SYSTEM
Method Info : Methanol

MS Spectrum



LC-MS online 3/6/2017 3:34:58 PM SYSTEM Page 1 of 1

D:\Data\Division\AKB-RUS 06/07/17 16:16:43

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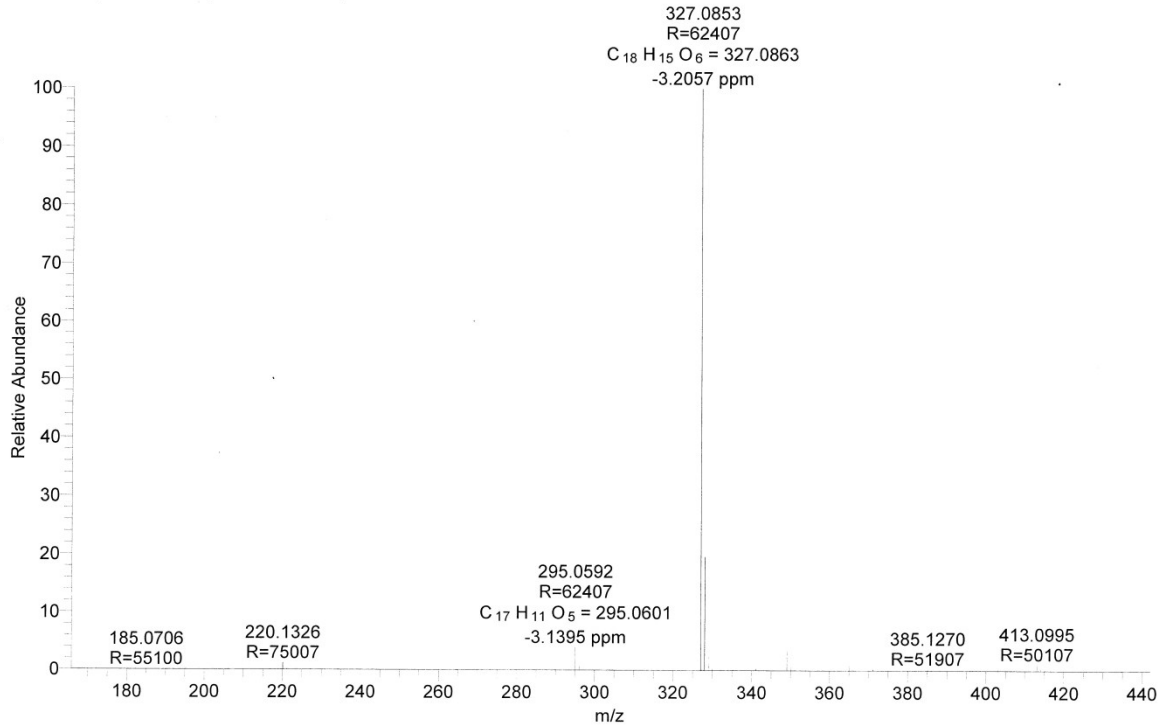
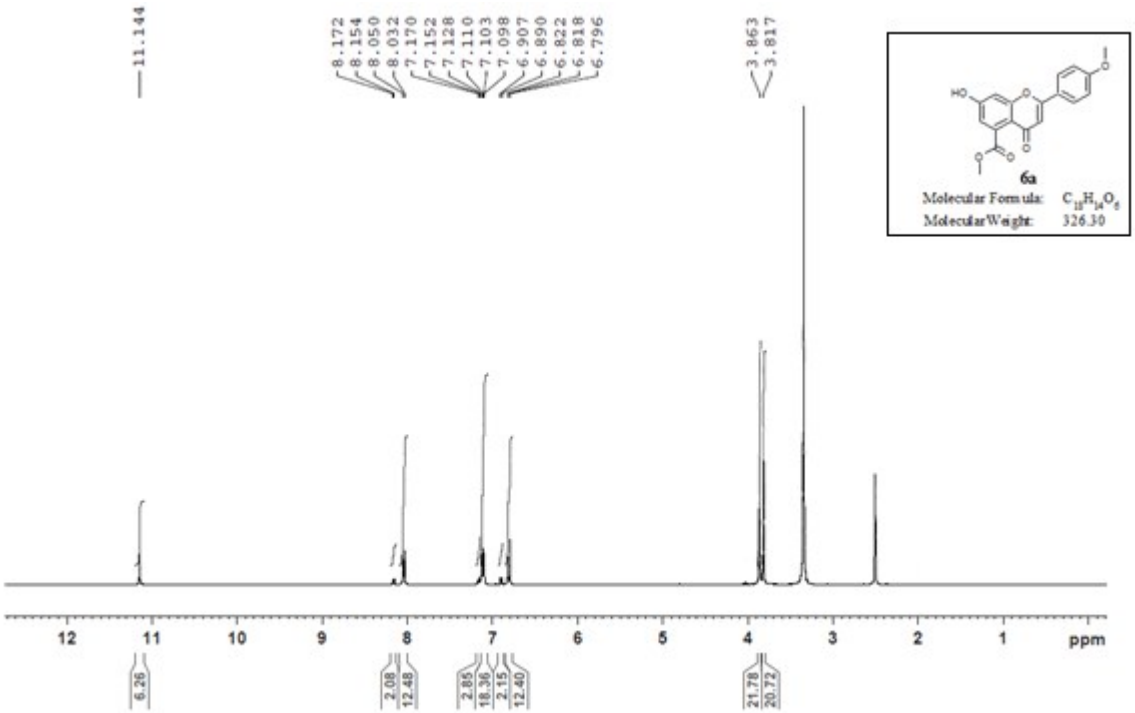
T: FTMS + p ESI Full ms [100.00-1500.00]

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8.050
8.032
7.170
7.152
7.128
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6.907
6.890
6.822
6.818
6.796
3.863
3.817
6a
Molecular Formula: $C_{18}H_{14}O_6$
Molecular Weight: 326.30
ppm
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12.48
2.85
18.36
2.15
12.40
21.78
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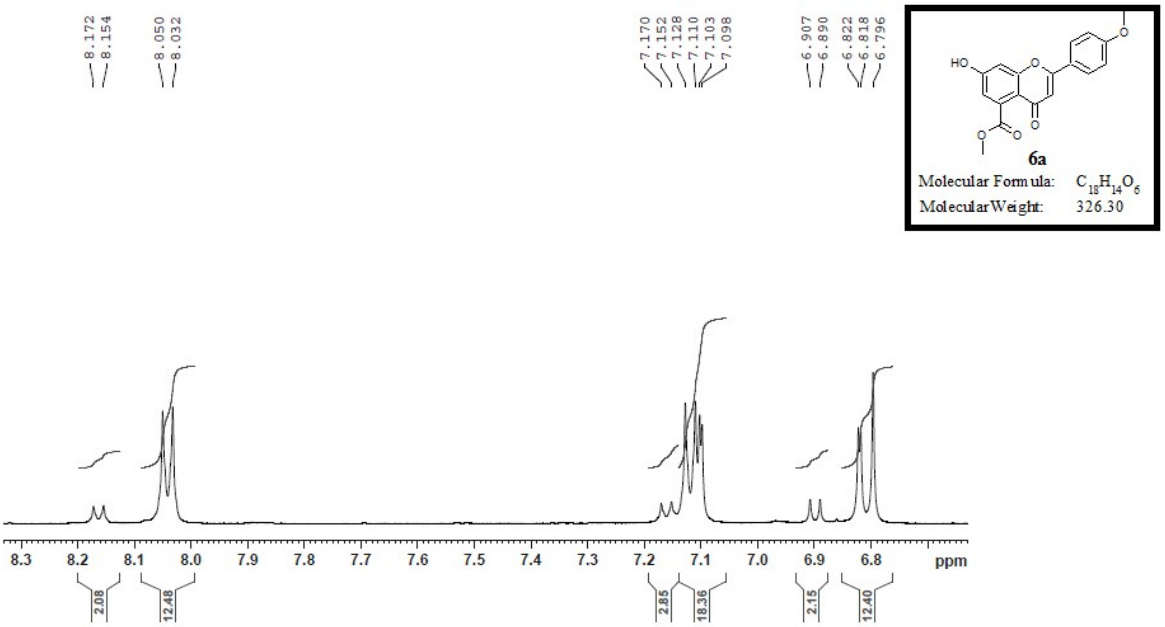
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6.818
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6a
Molecular Formula: $C_{18}H_{14}O_6$
Molecular Weight: 326.30
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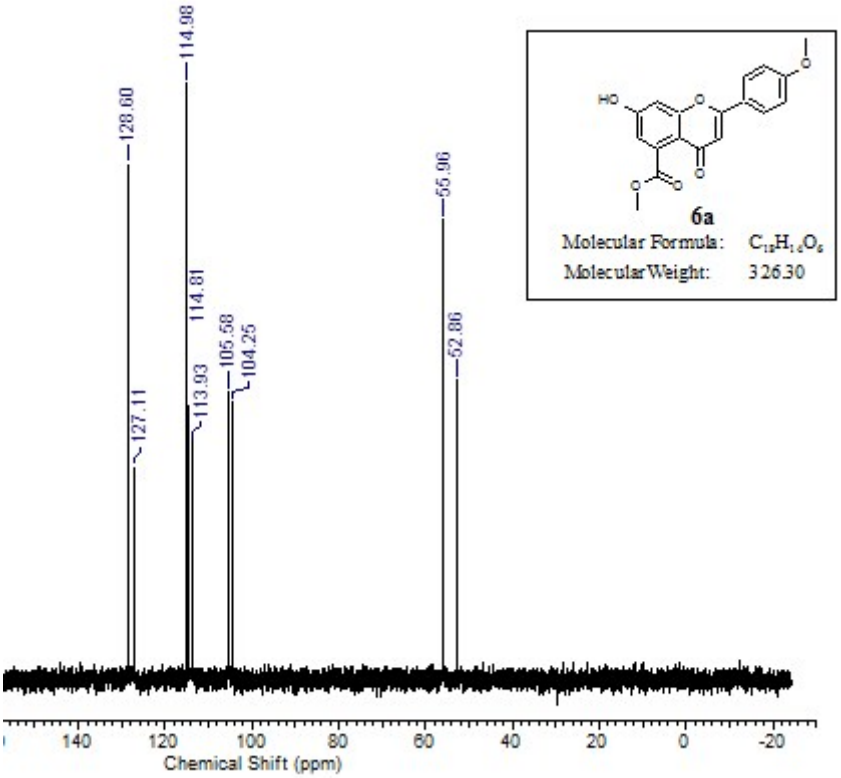
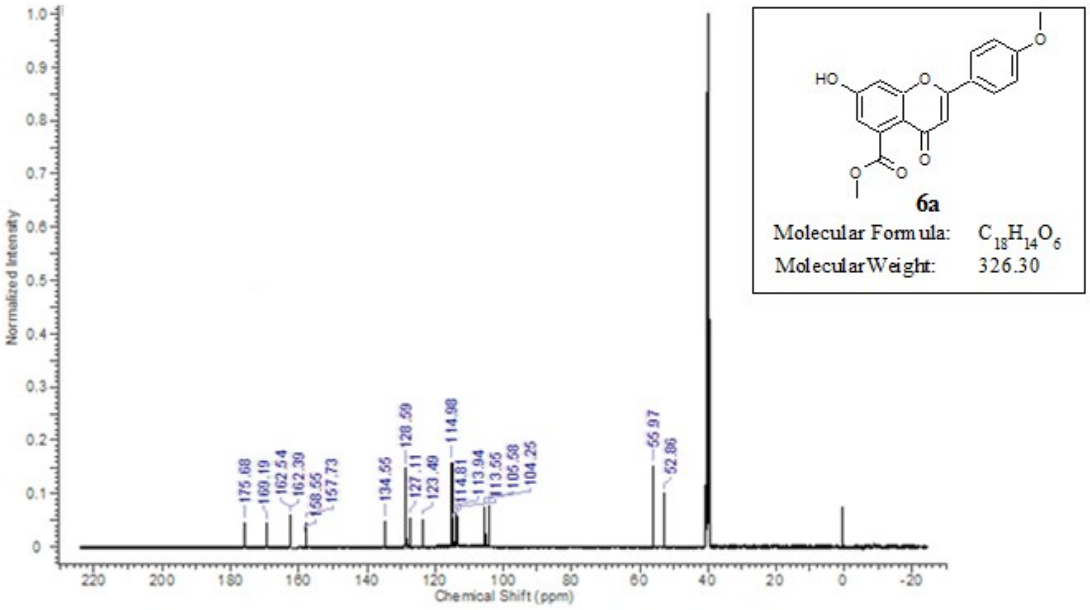
2.08
12.48
2.85
18.36
2.15
12.40

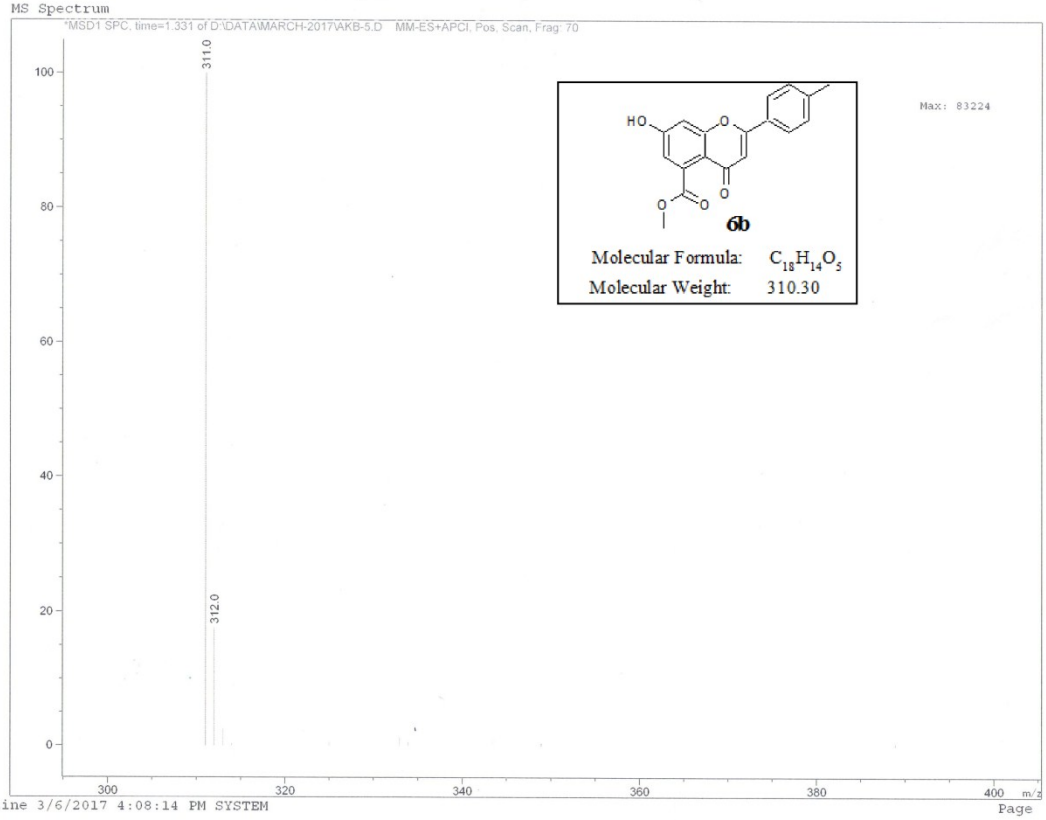
Dept ^{13}CNMR spectra of 6a





Print of window 80: MS Spectrum

MS Spectrum



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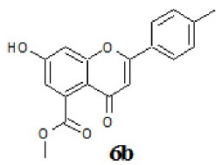
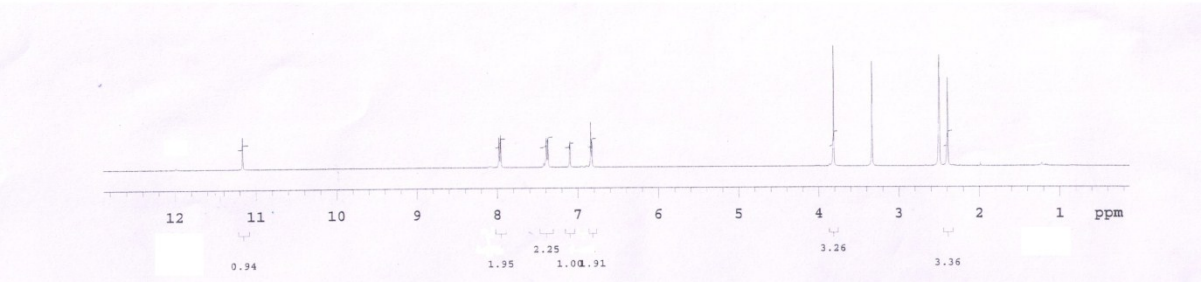
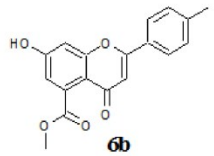


6b

Molecular Formula: $C_{18}H_{14}O_5$

Molecular Weight: 310.30

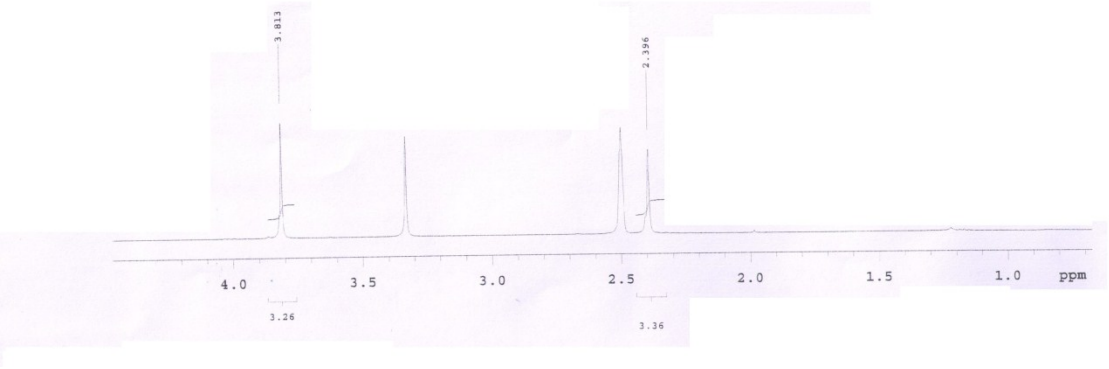


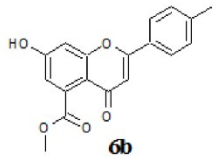


6b

Molecular Formula: $C_{18}H_{14}O_5$

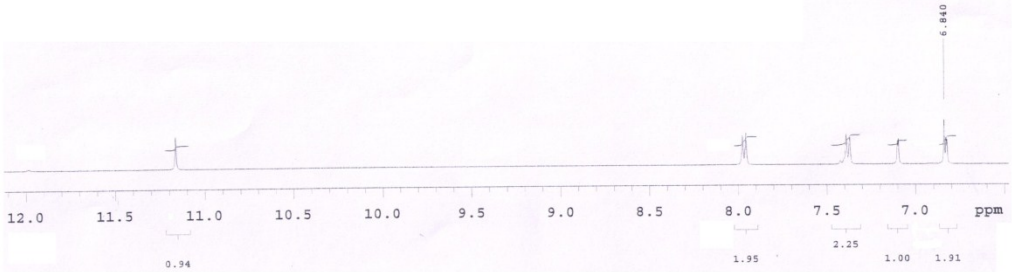
Molecular Weight: 310.30

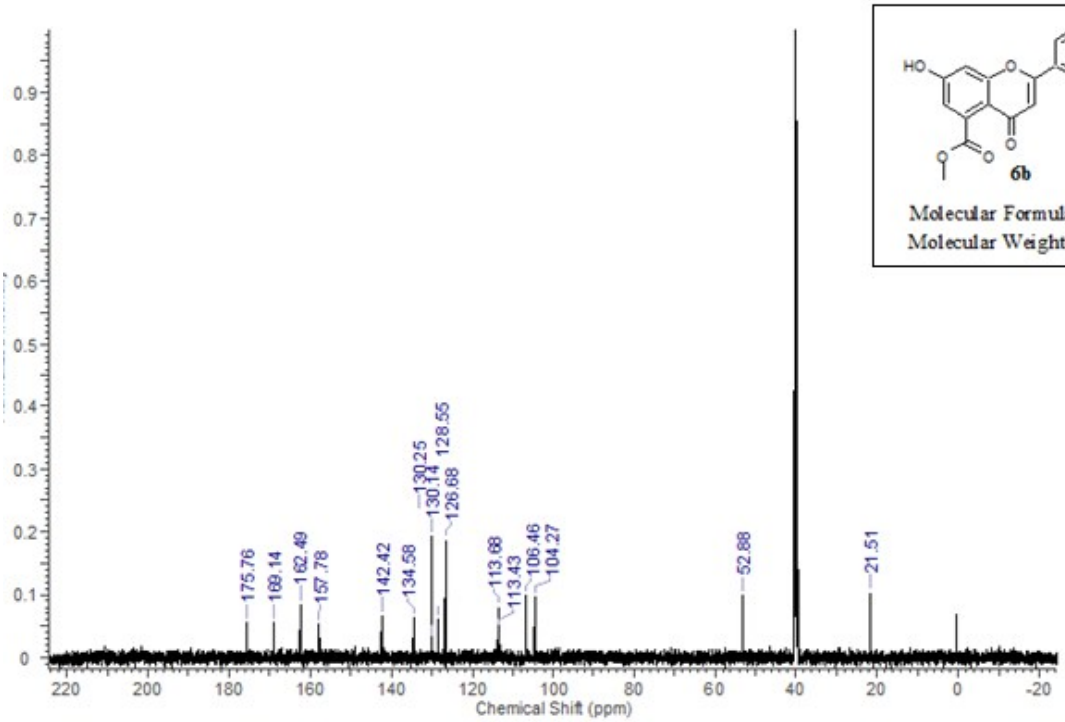


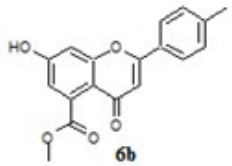


6b

Molecular Formula: $C_{18}H_{14}O_5$
Molecular Weight: 310.30







6b

Molecular Formula: $C_{18}H_{14}O_5$
Molecular Weight: 310.30

Print of window 80: MS Spectrum
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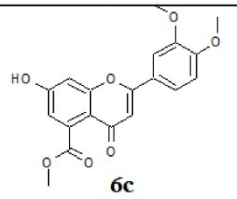
Acq. Operator : SYSTEM
Sample Operator : SYSTEM
Acq. Instrument : LC-MS online Location : Vial 22
Injection Date : 3/6/2017 3:37:54 PM
Inj Volume : 5.000 µl

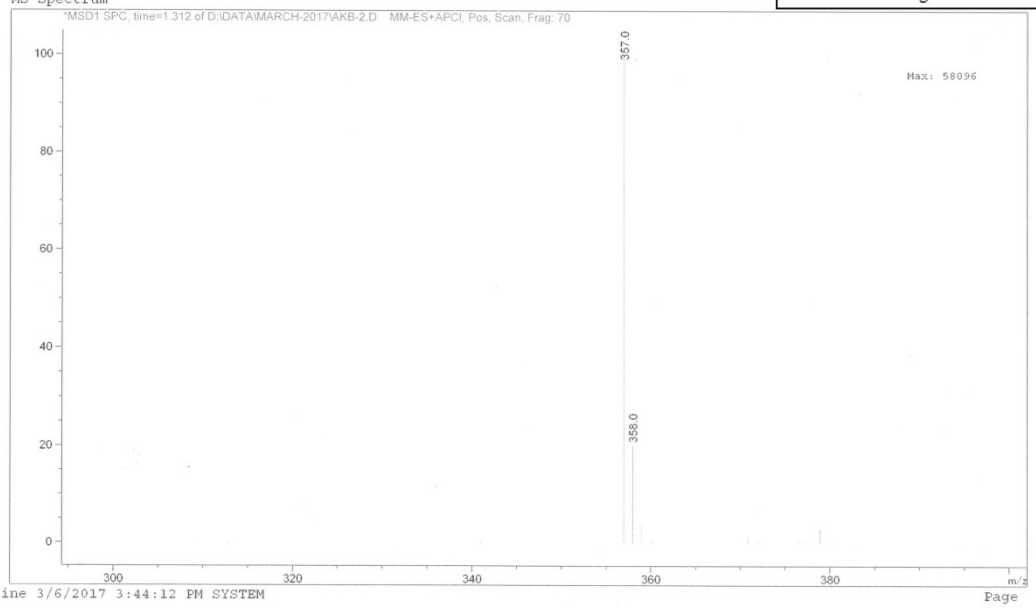
Method : D:\METHANOL-POSTIVE.M
Last changed : 2/25/2017 8:13:17 PM by SYSTEM
Method Info : Methanol



6c

Molecular Formula: $C_{19}H_{16}O_7$
Molecular Weight: 356.32

MS Spectrum



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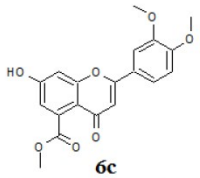
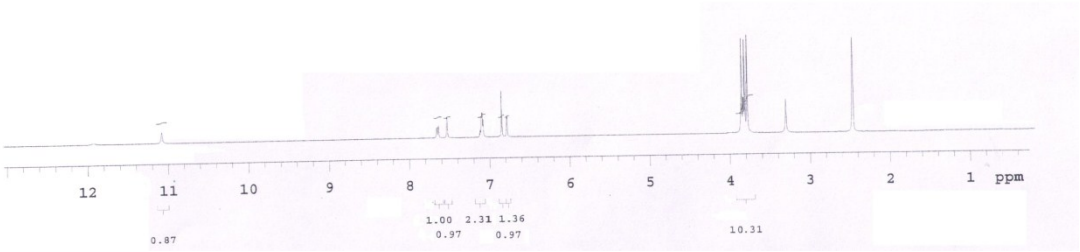
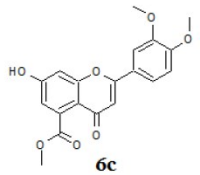


6c

Molecular Formula: $C_{19}H_{16}O_7$
Molecular Weight: 356.32

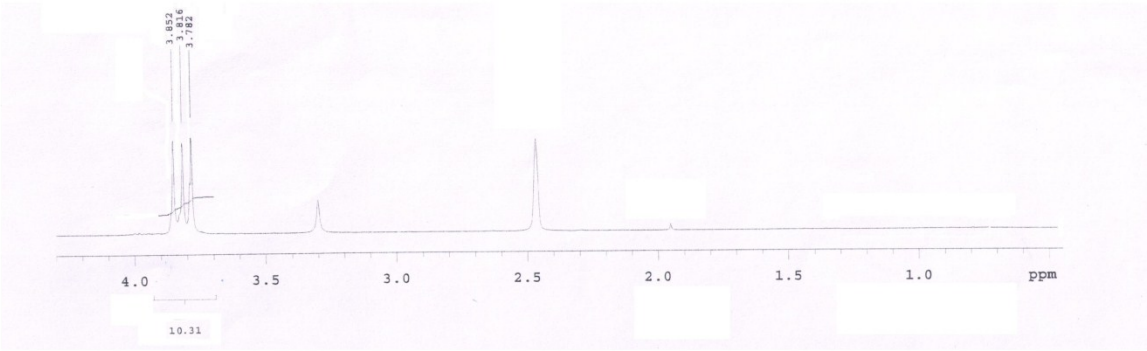


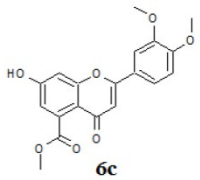


6c

Molecular Formula: $C_{19}H_{16}O_7$

Molecular Weight: 356.32





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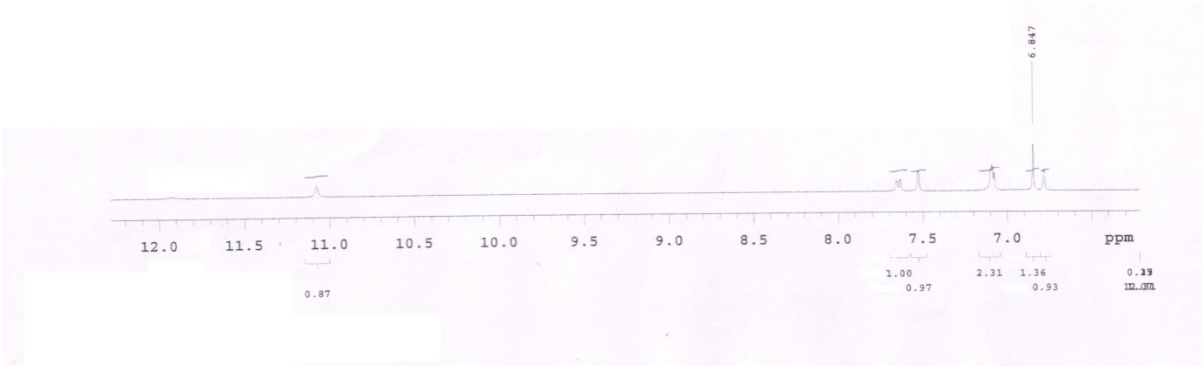
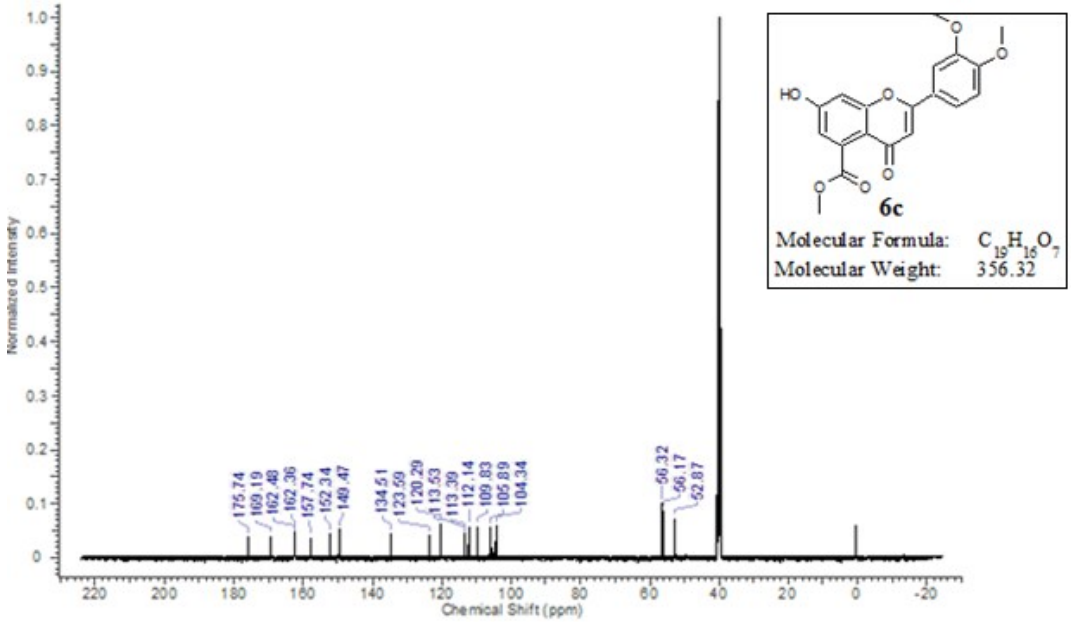
Molecular Formula: $C_{19}H_{16}O_7$

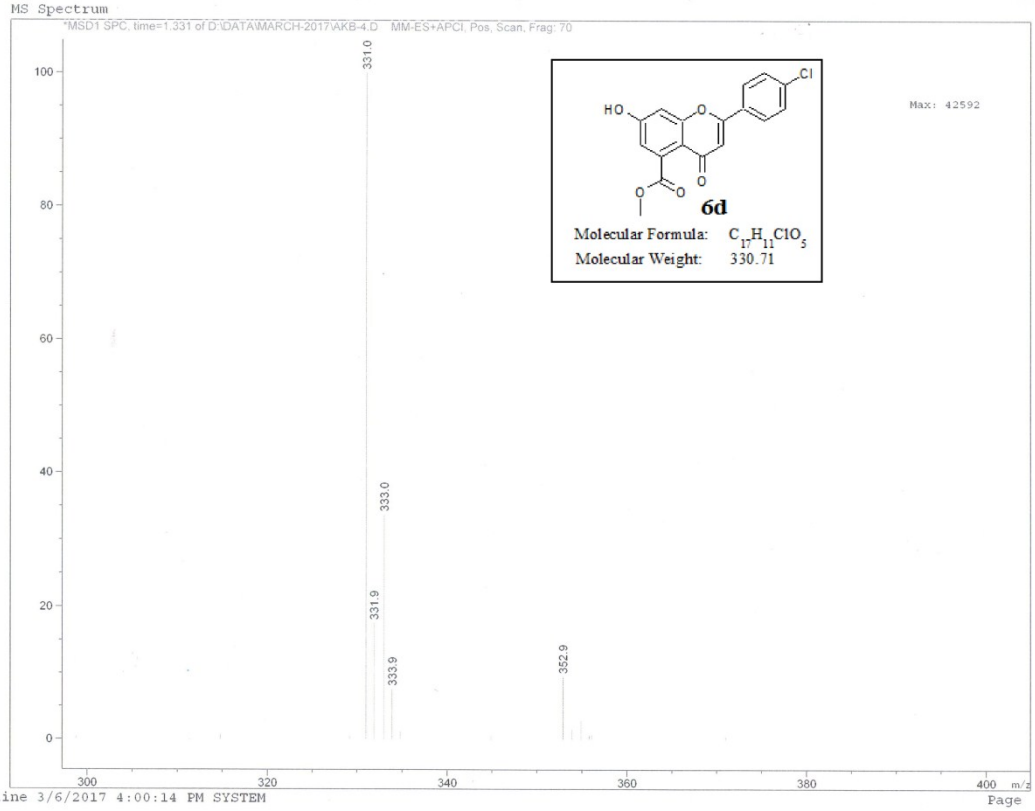
Molecular Weight: 356.32





Print of window 80: MS Spectrum

MS Spectrum



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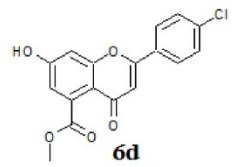
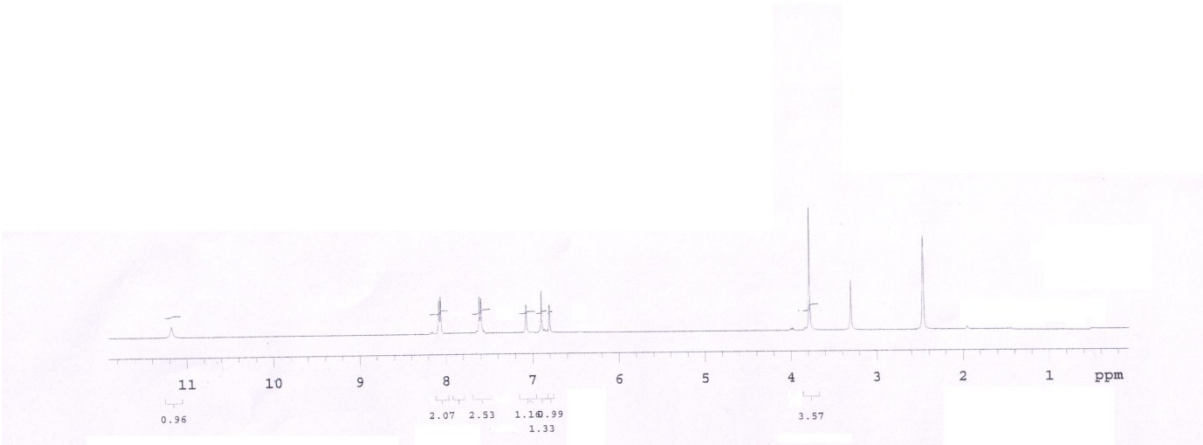
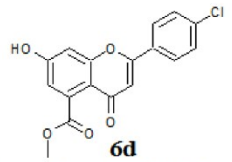


6d

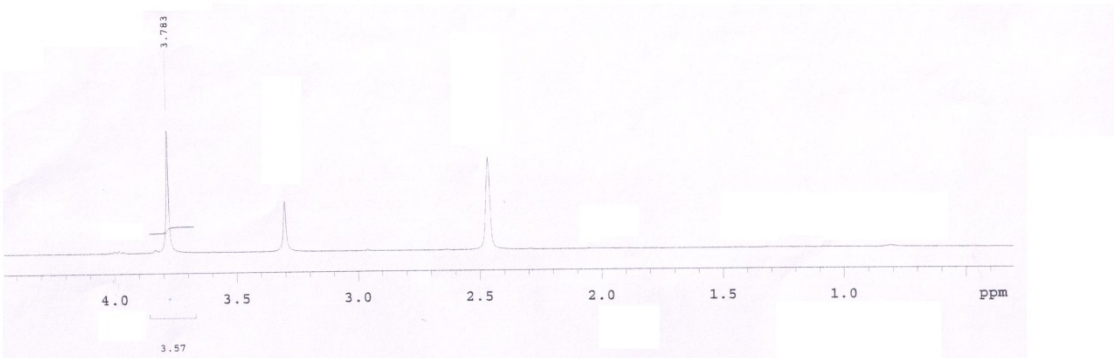
Molecular Formula: $C_{17}H_{11}ClO_5$
Molecular Weight: 330.71

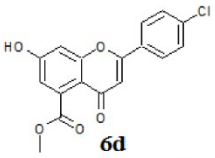




6d

Molecular Formula: $C_{17}H_{11}ClO_5$
Molecular Weight: 330.71





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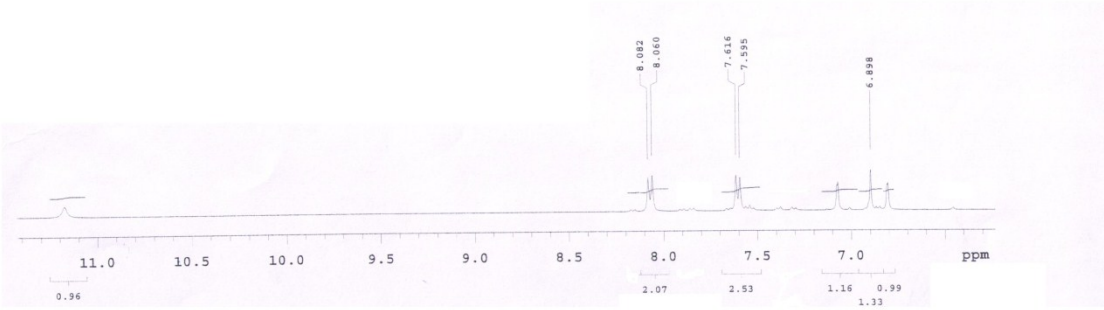
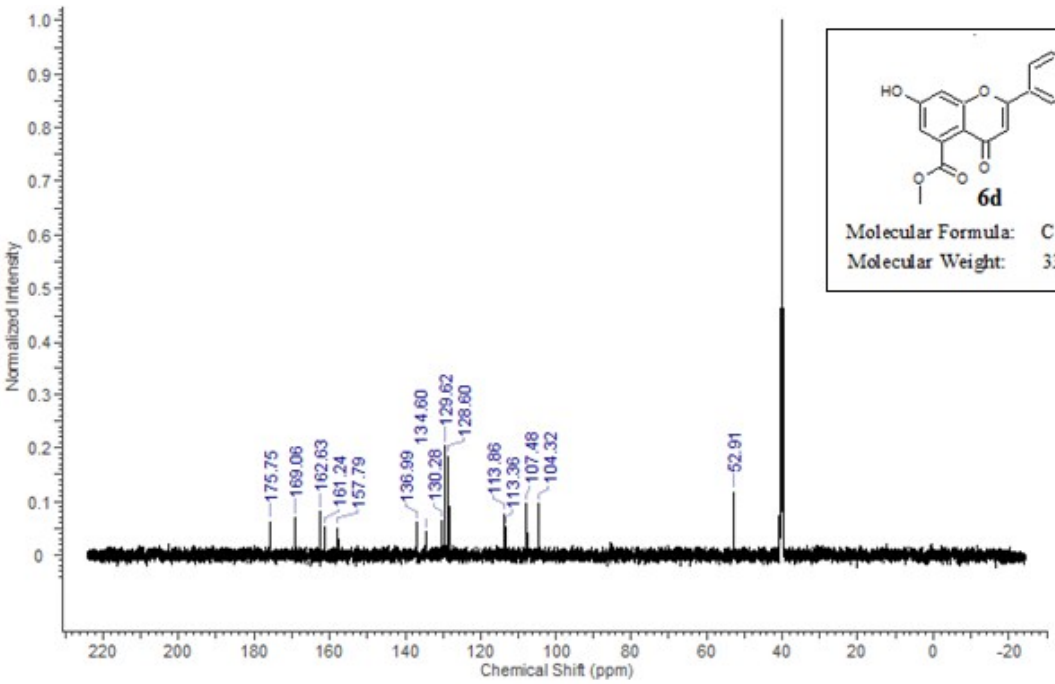
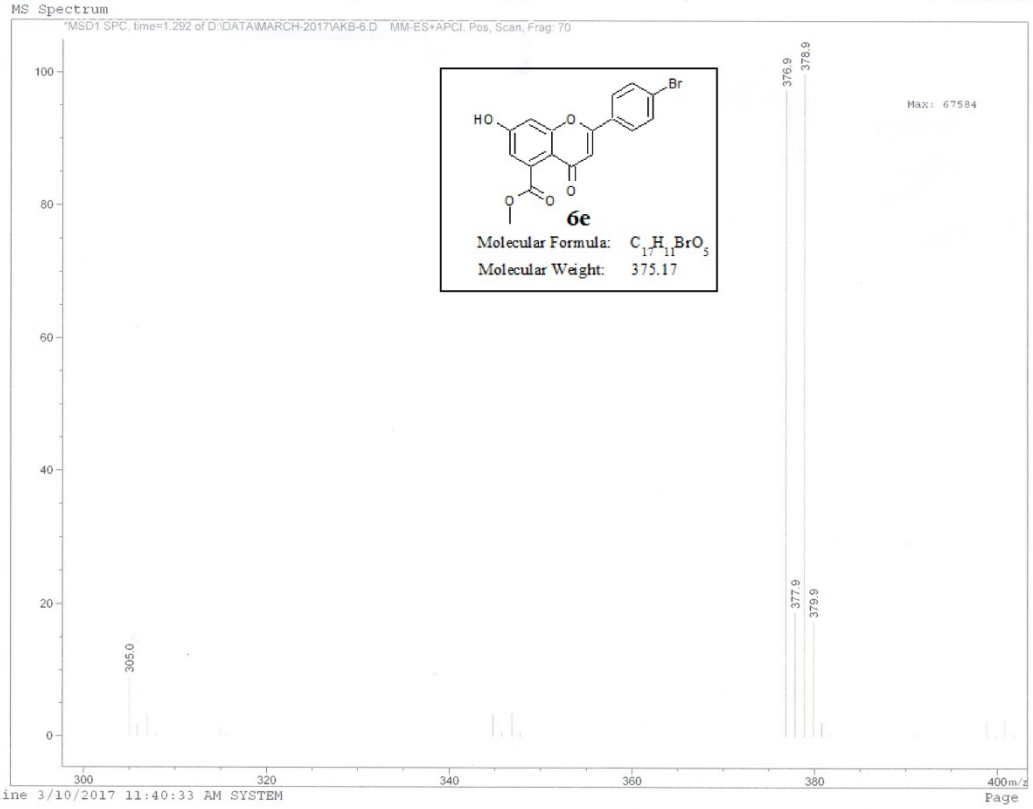
Molecular Formula: $C_{17}H_{11}ClO_5$
Molecular Weight: 330.71





Print of window 80: MS Spectrum

MS Spectrum



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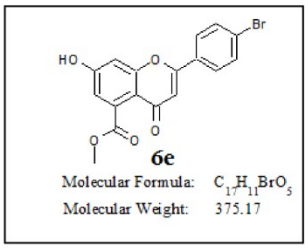
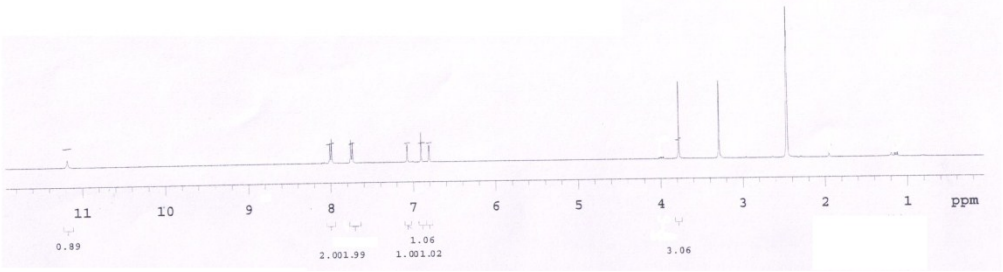
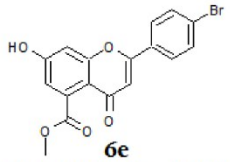


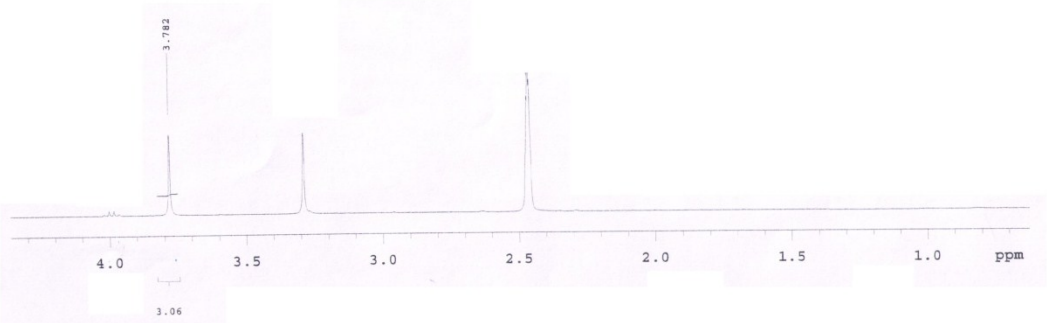


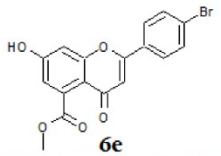


6e

Molecular Formula: $C_{17}H_{11}BrO_5$

Molecular Weight: 375.17

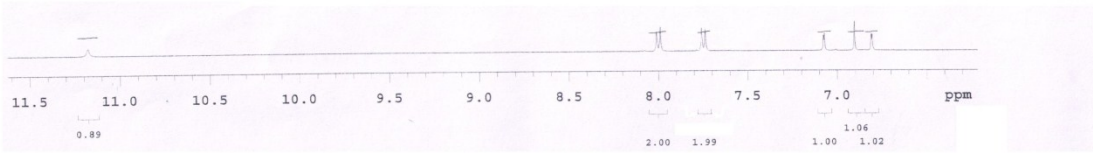


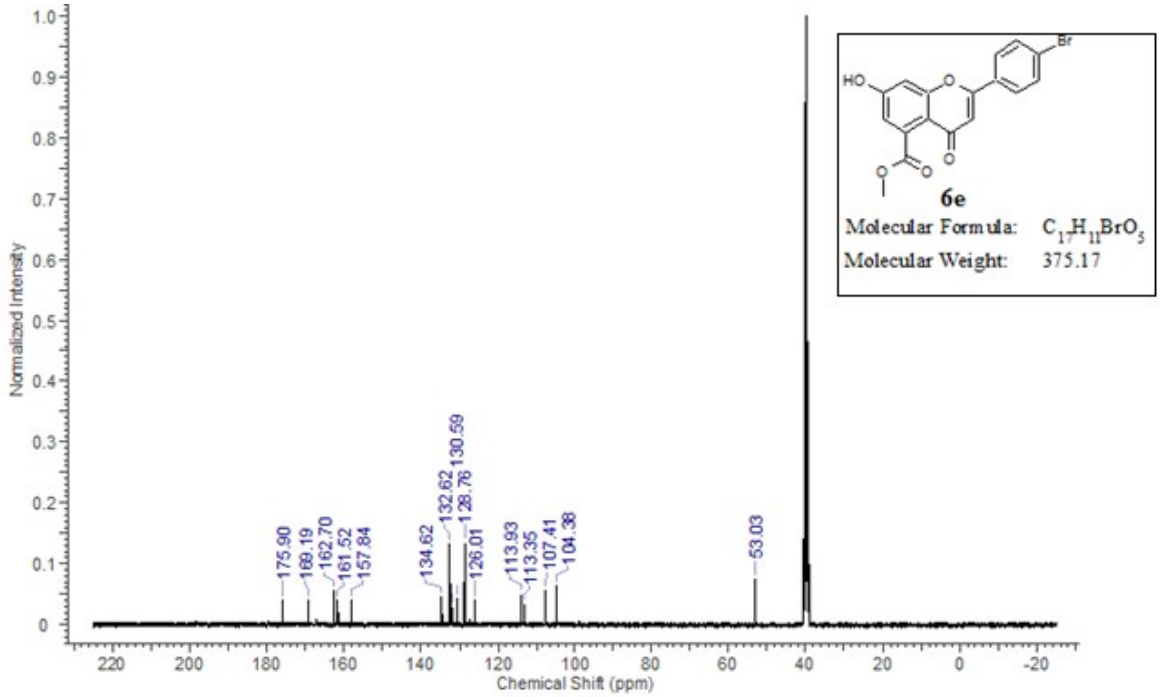


6e

Molecular Formula: $C_{17}H_{11}BrO_5$

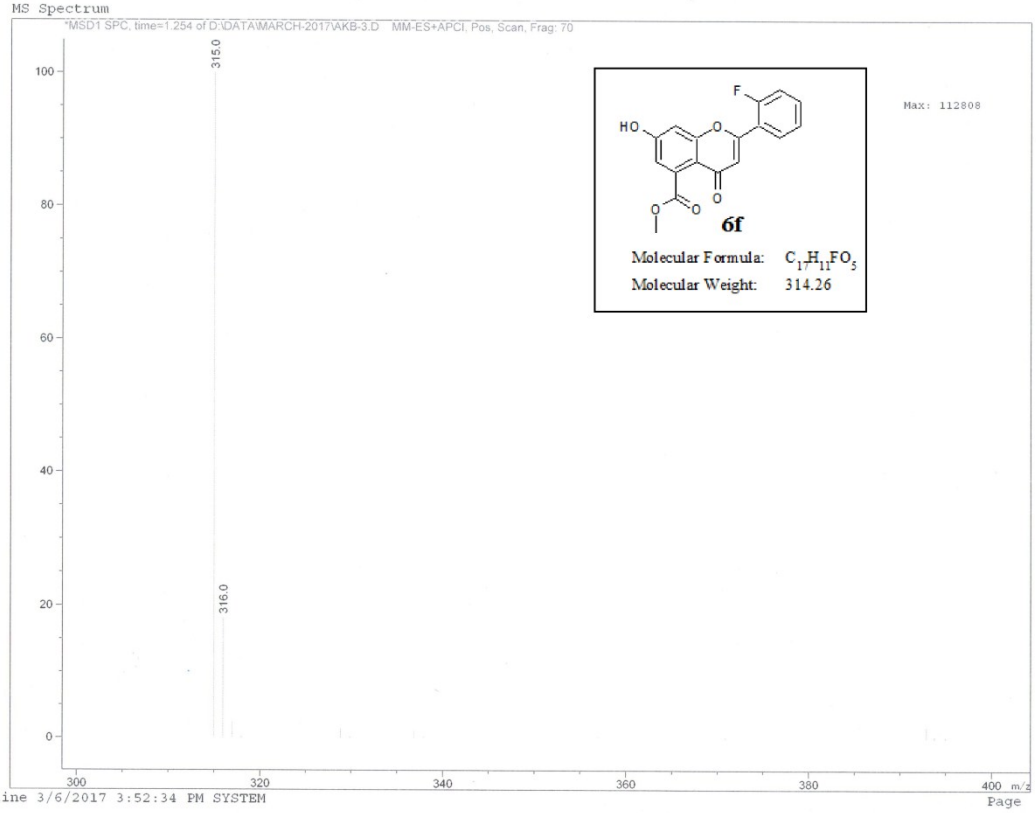
Molecular Weight: 375.17





Print of window 80: MS Spectrum

MS Spectrum



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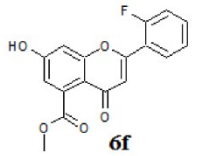
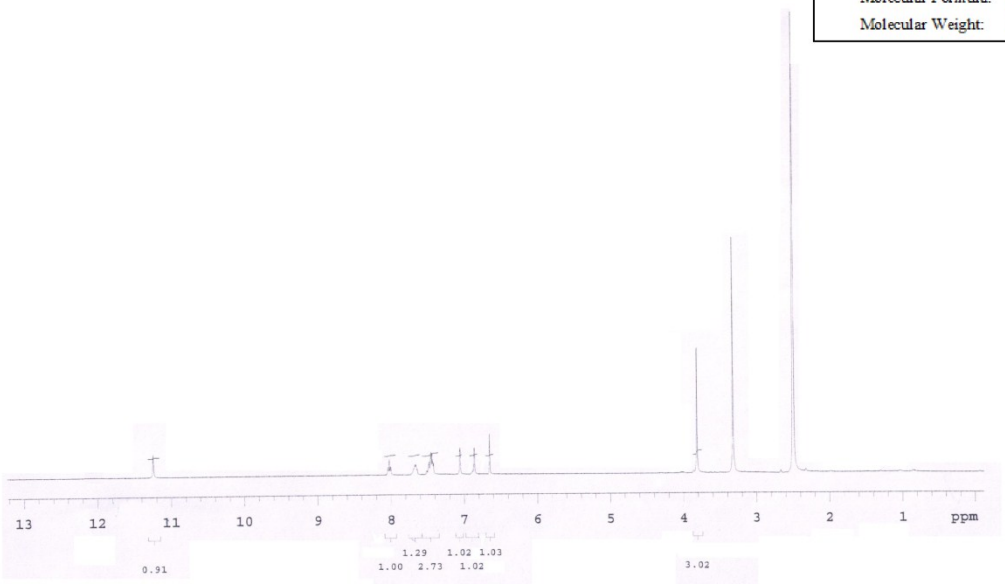
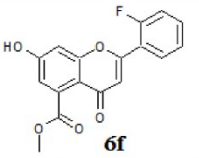


6f

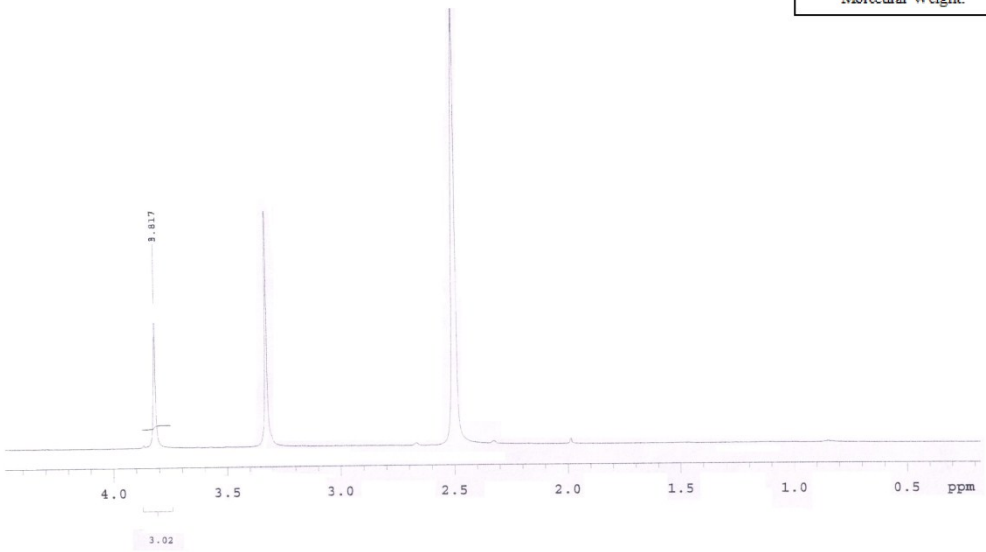
Molecular Formula: $C_{17}H_{11}FO_5$
Molecular Weight: 314.26

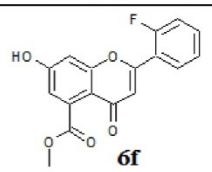




6f

Molecular Formula: $C_{17}H_{11}FO_5$
Molecular Weight: 314.26





6f

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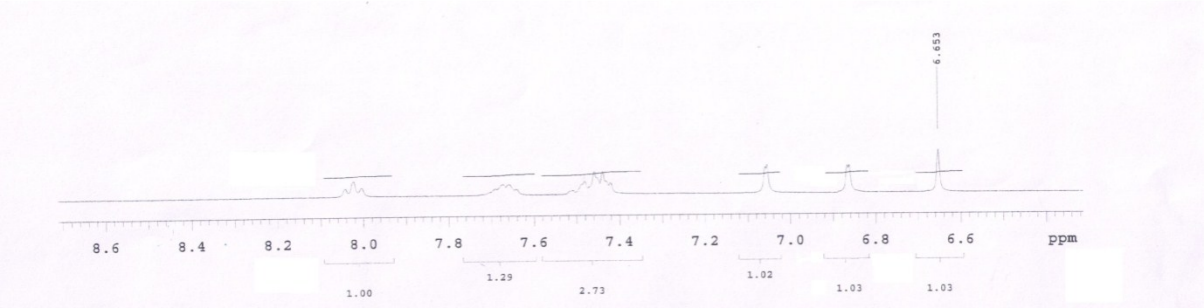
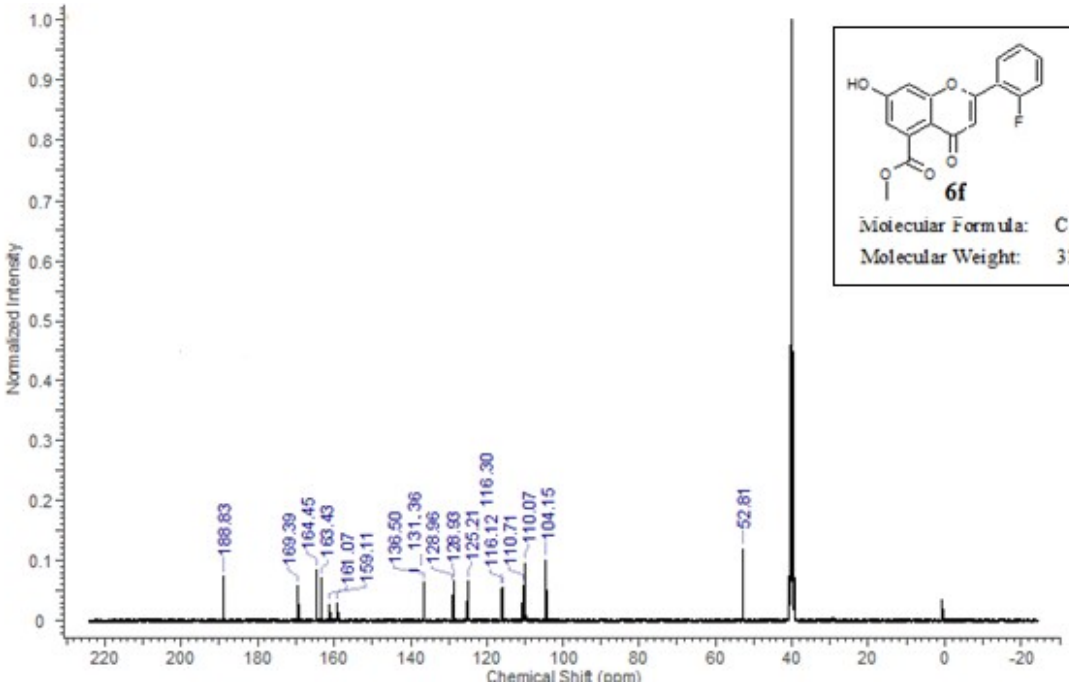
Molecular Weight: 314.26



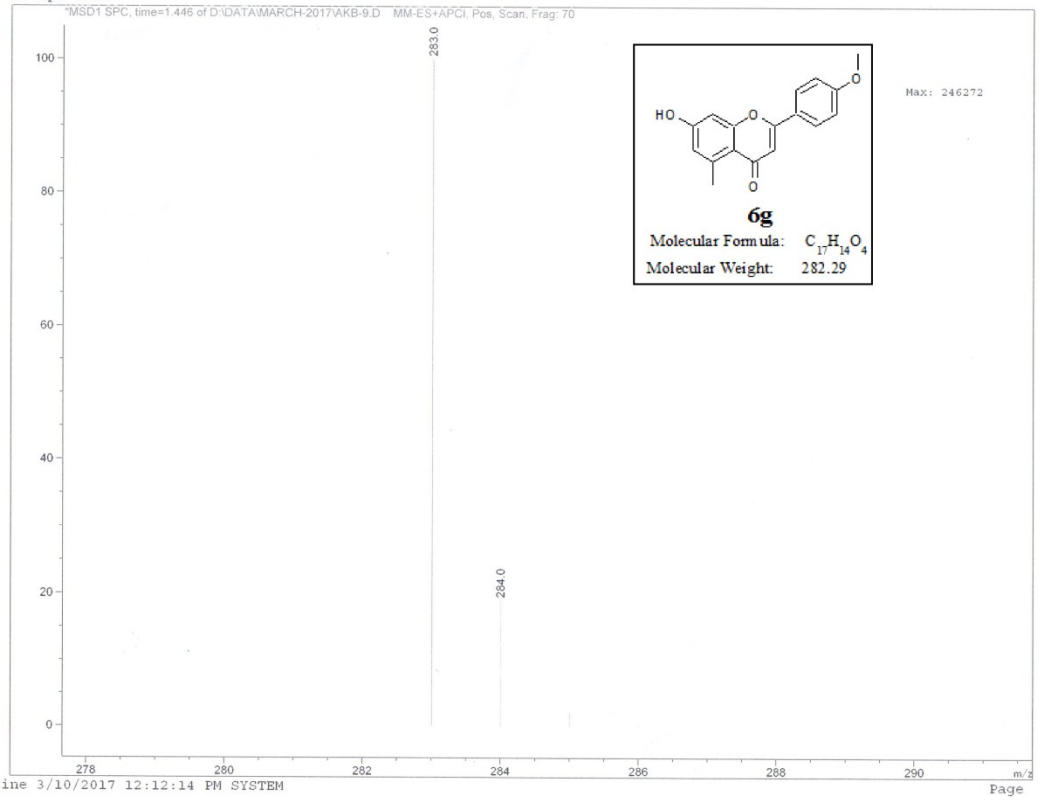


6f

Molecular Formula: $C_{17}H_{11}FO_5$
Molecular Weight: 314.26

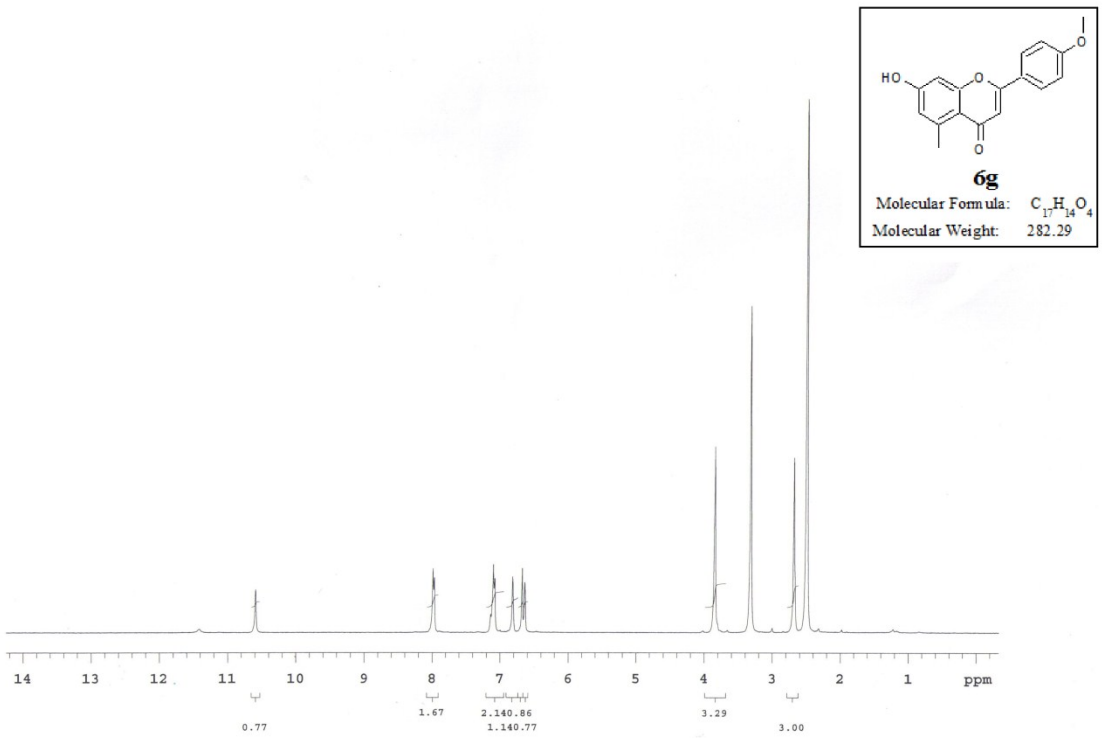
Print of window 80: MS Spectrum

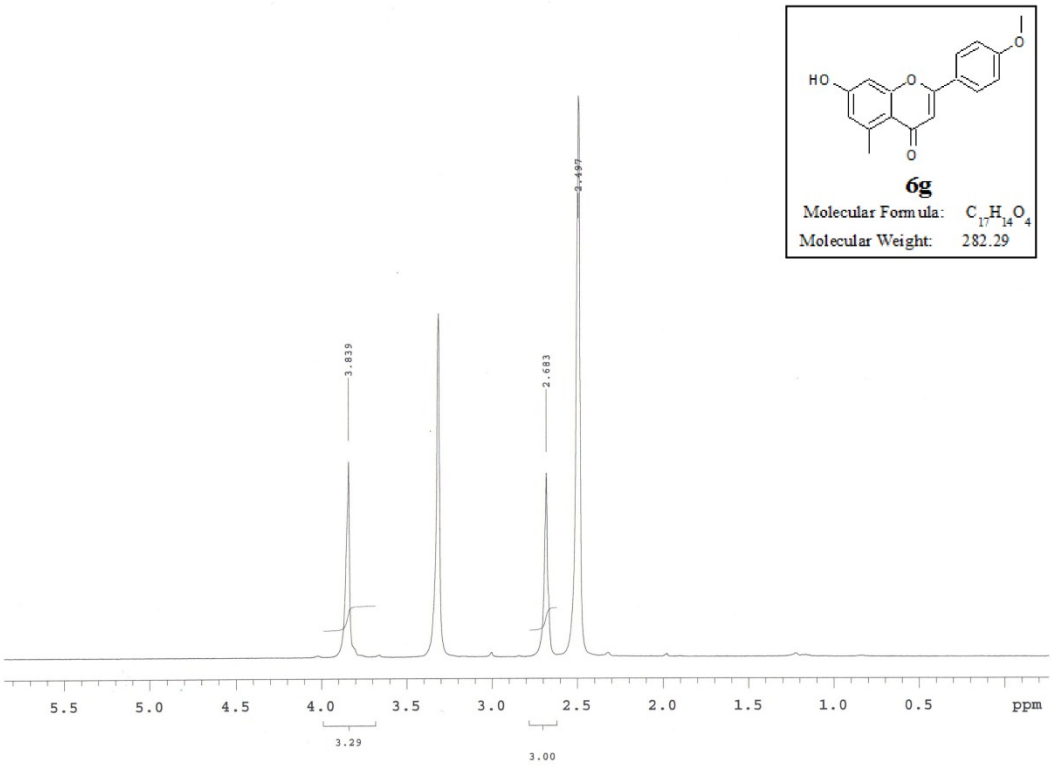
MS Spectrum

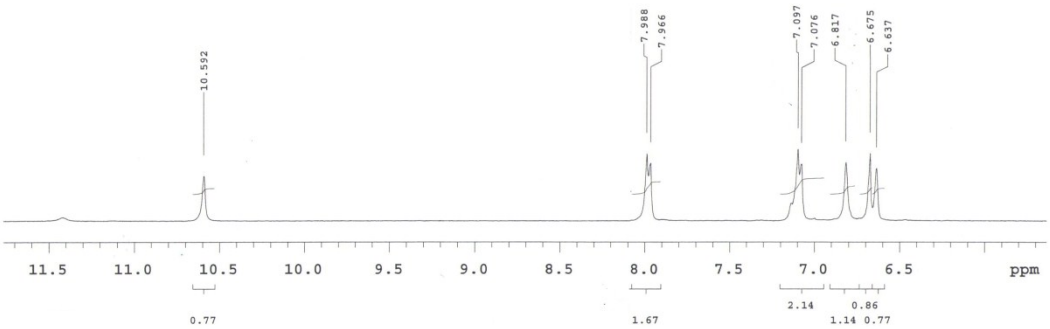


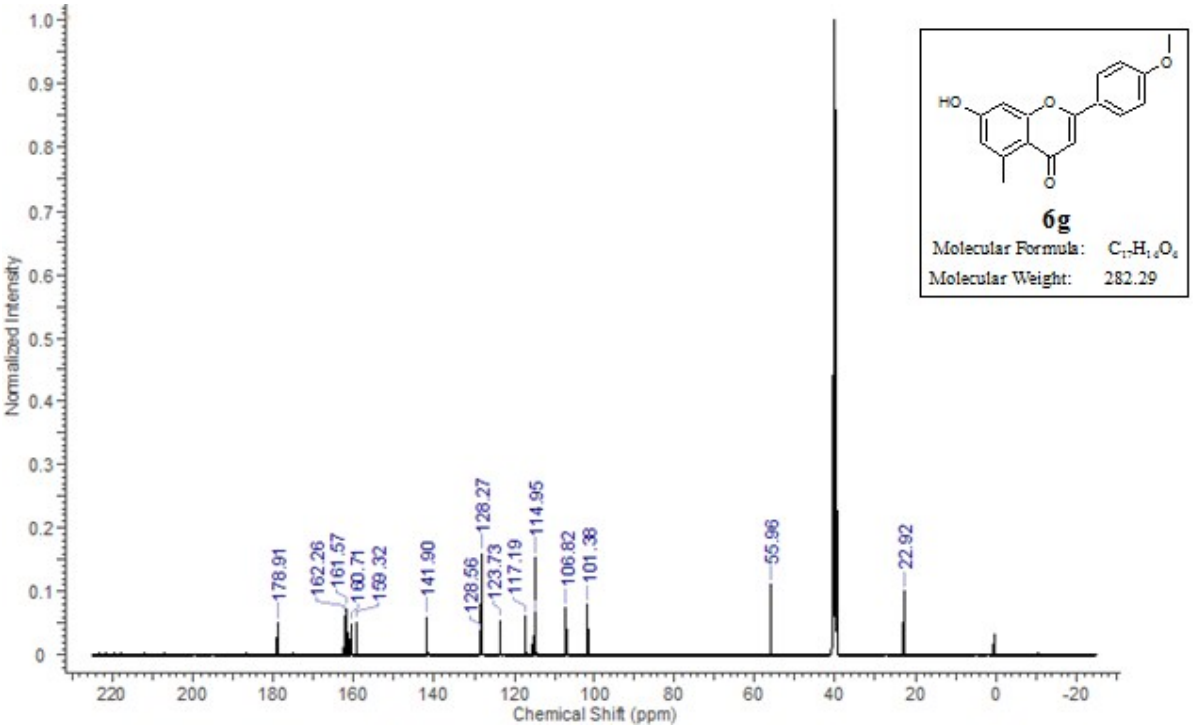
LC-MS online 3/10/2017 12:12:14 PM SYSTEM

Page 1 of 1

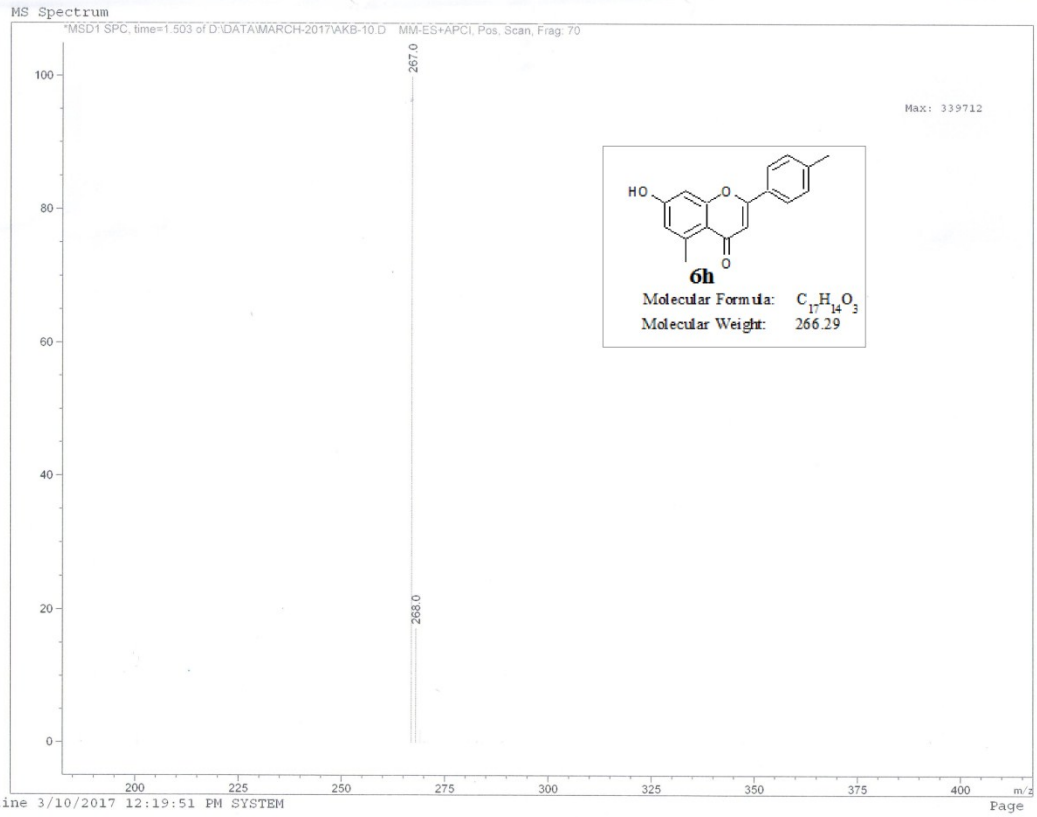



HO
O
O
O
6g
Molecular Formula: $C_{17}H_{14}O_4$
Molecular Weight: 282.29
3.839
2.683
2.497
5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 ppm
3.29
3.00


HO
O
O
O
6g
Molecular Formula: $C_{17}H_{14}O_4$
Molecular Weight: 282.29
10.592
7.988
7.966
7.097
7.076
6.817
6.675
6.637
11.5 11.0 10.5 10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 ppm
0.77
1.67
2.14
0.86
1.14 0.77

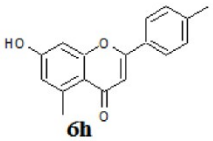


Print of window 80: MS Spectrum



LC-MS online 3/10/2017 12:19:51 PM SYSTEM

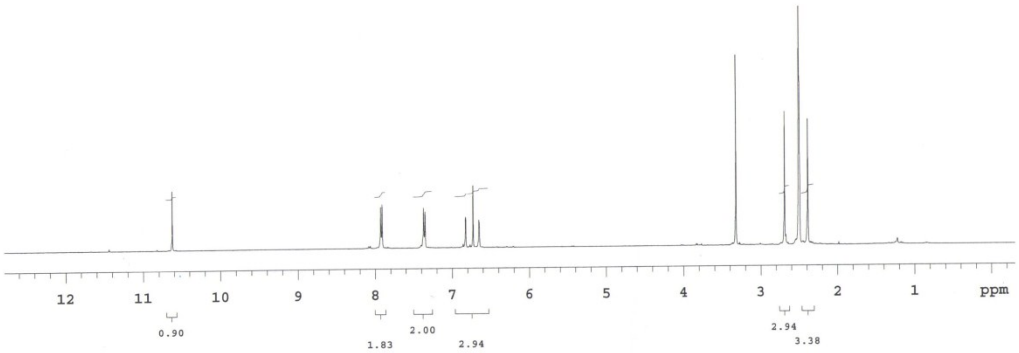
Page 1 of 1

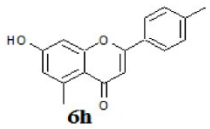


6h

Molecular Formula: $C_{17}H_{14}O_3$

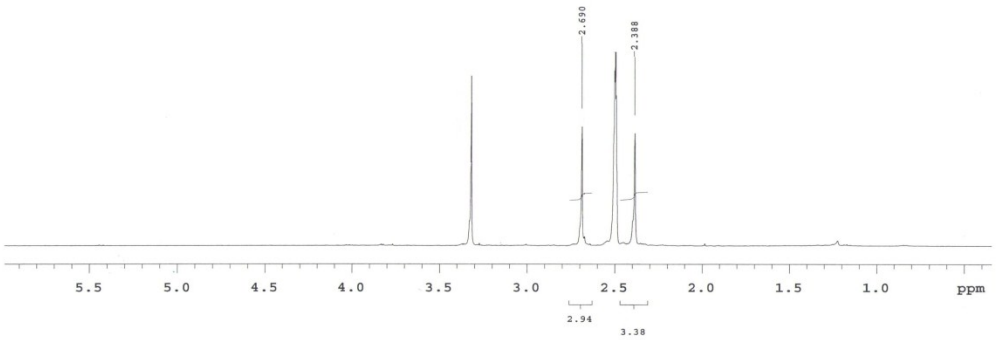
Molecular Weight: 266.29

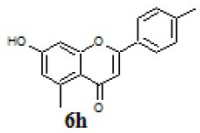




6h

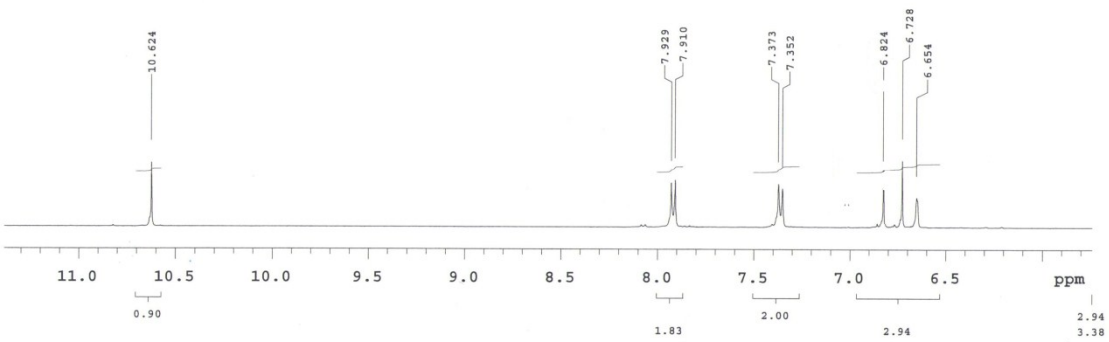
Molecular Formula: $C_{17}H_{14}O_3$
Molecular Weight: 266.29

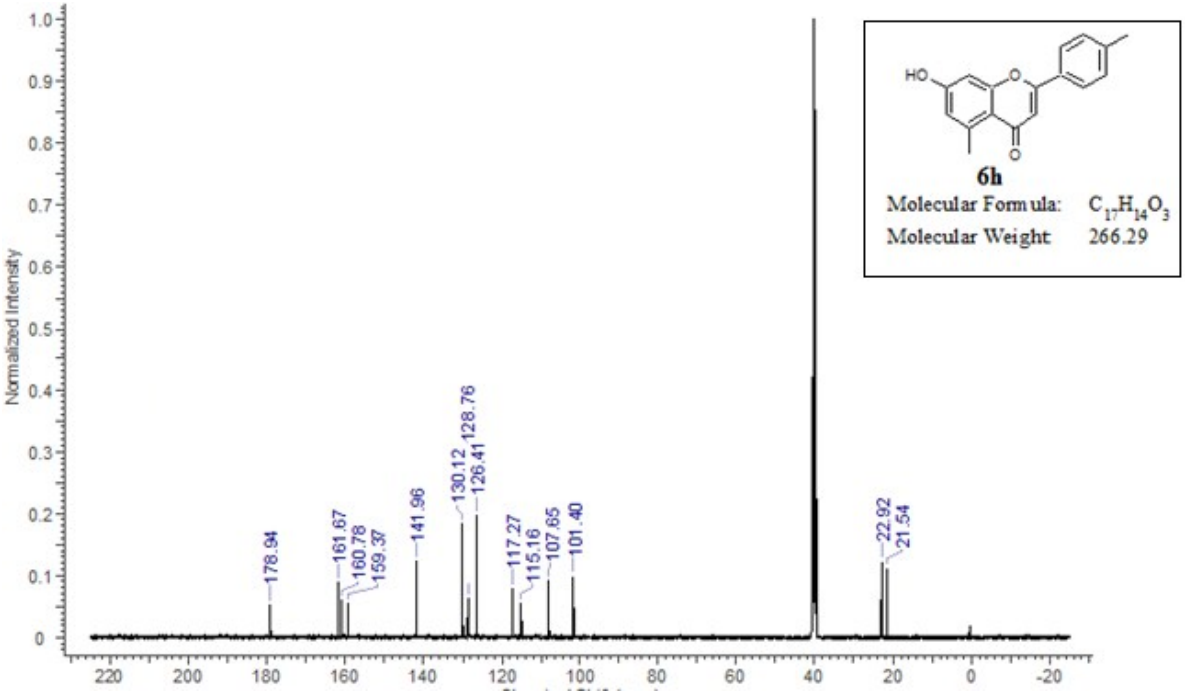




6h

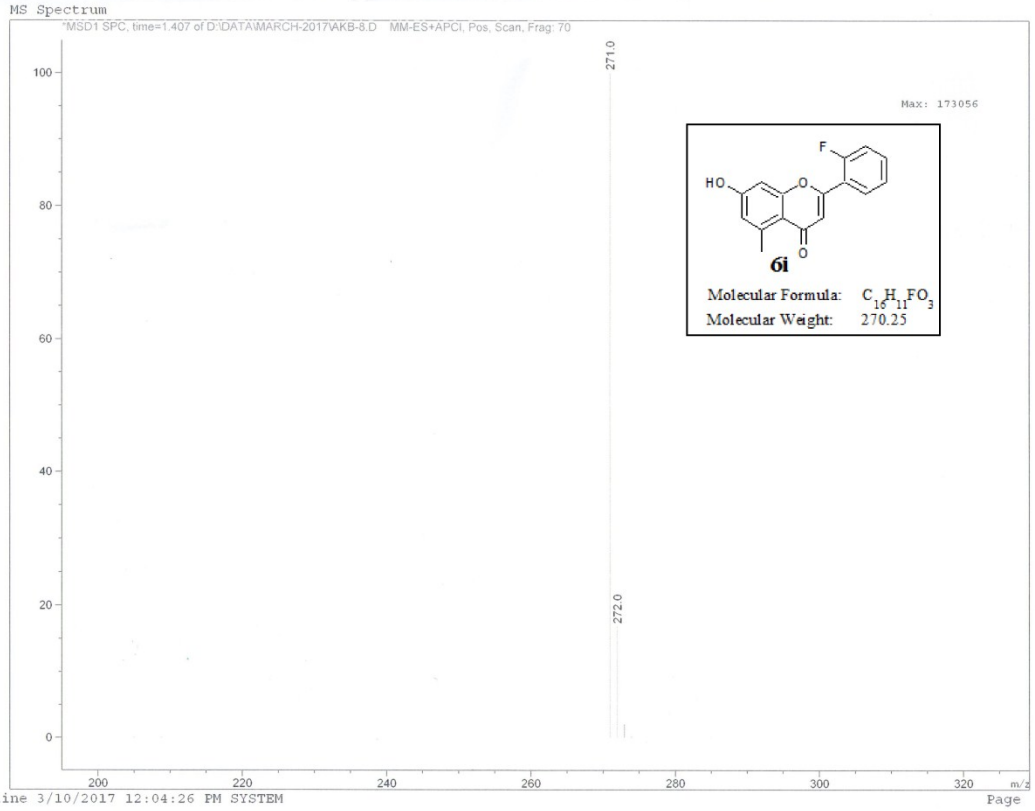
Molecular Formula: $C_{17}H_{14}O_3$
Molecular Weight: 266.29





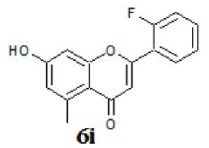
Print of window 80: MS Spectrum

MS Spectrum



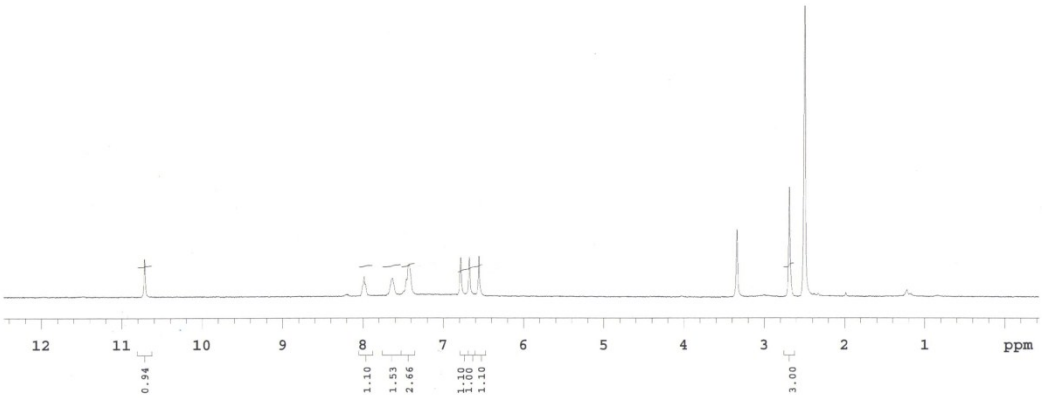
LC-MS online 3/10/2017 12:04:26 PM SYSTEM

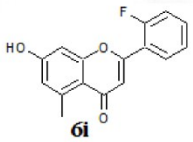
Page 1 of 1



6i

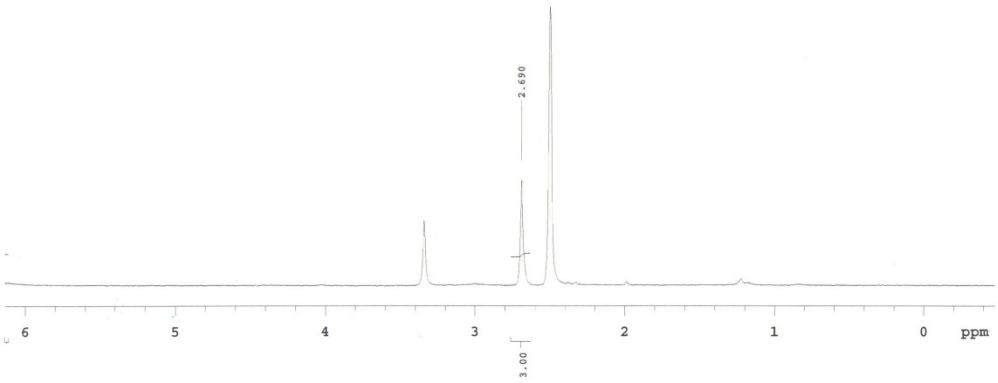
Molecular Formula: $C_{16}H_{11}FO_3$
Molecular Weight: 270.25

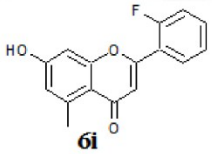




6i

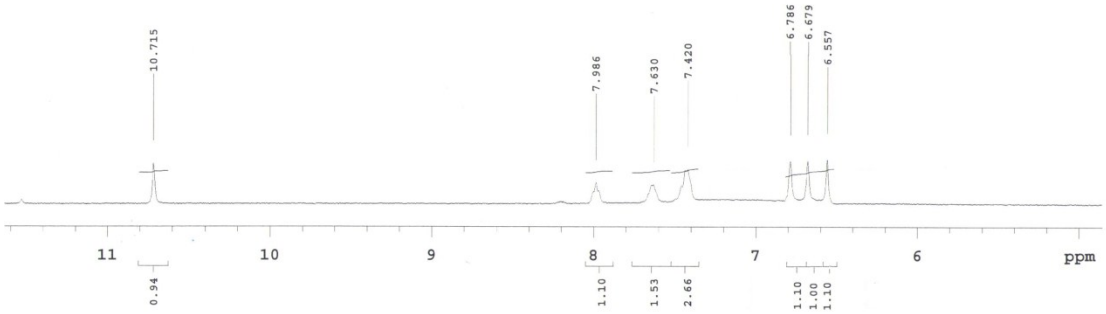
Molecular Formula: $C_{16}H_{11}FO_3$
Molecular Weight: 270.25

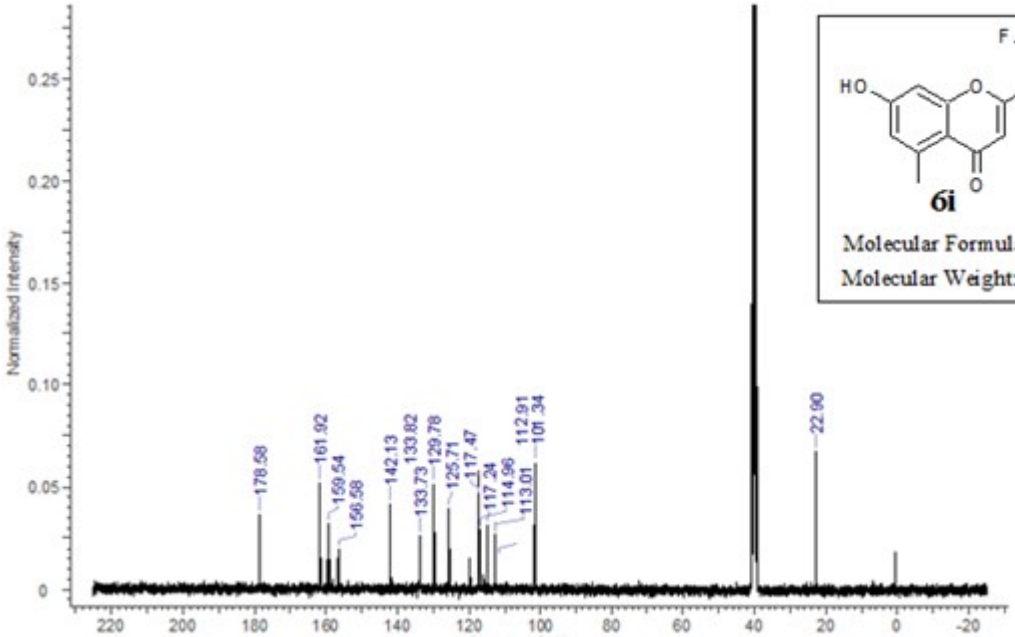


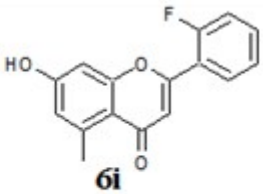


6i

Molecular Formula: $C_{16}H_{11}FO_3$
Molecular Weight: 270.25





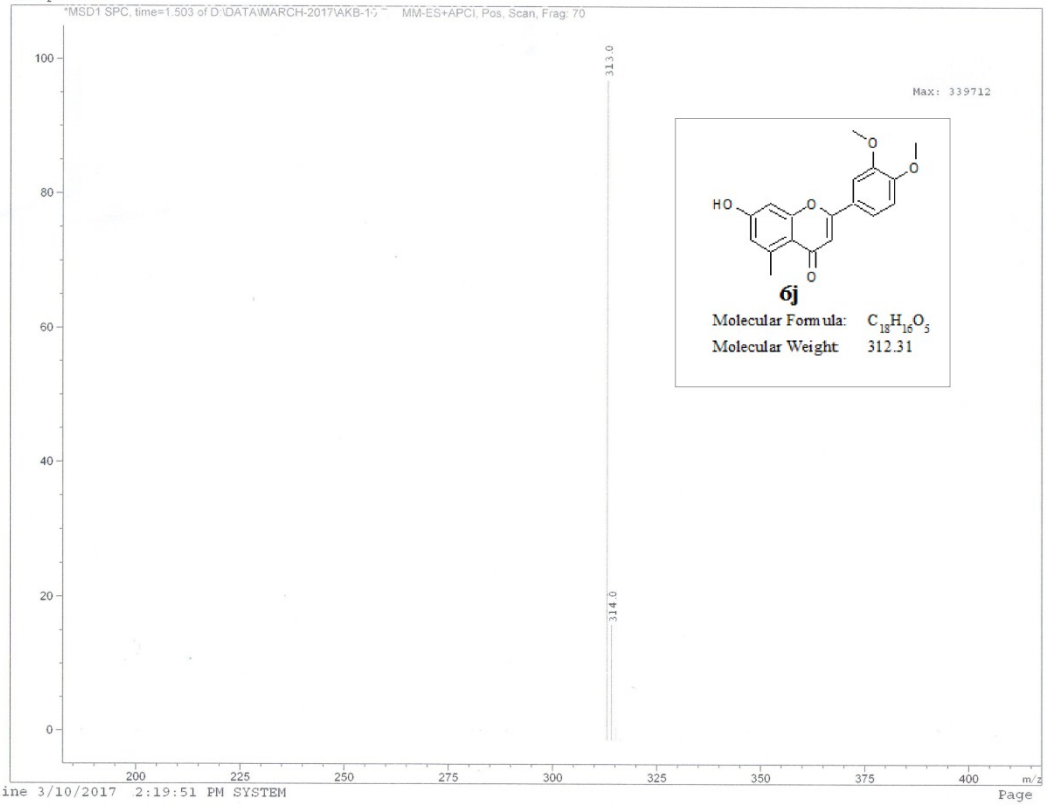


6i

Molecular Formula: $C_{16}H_{11}FO_3$
Molecular Weight: 270.25

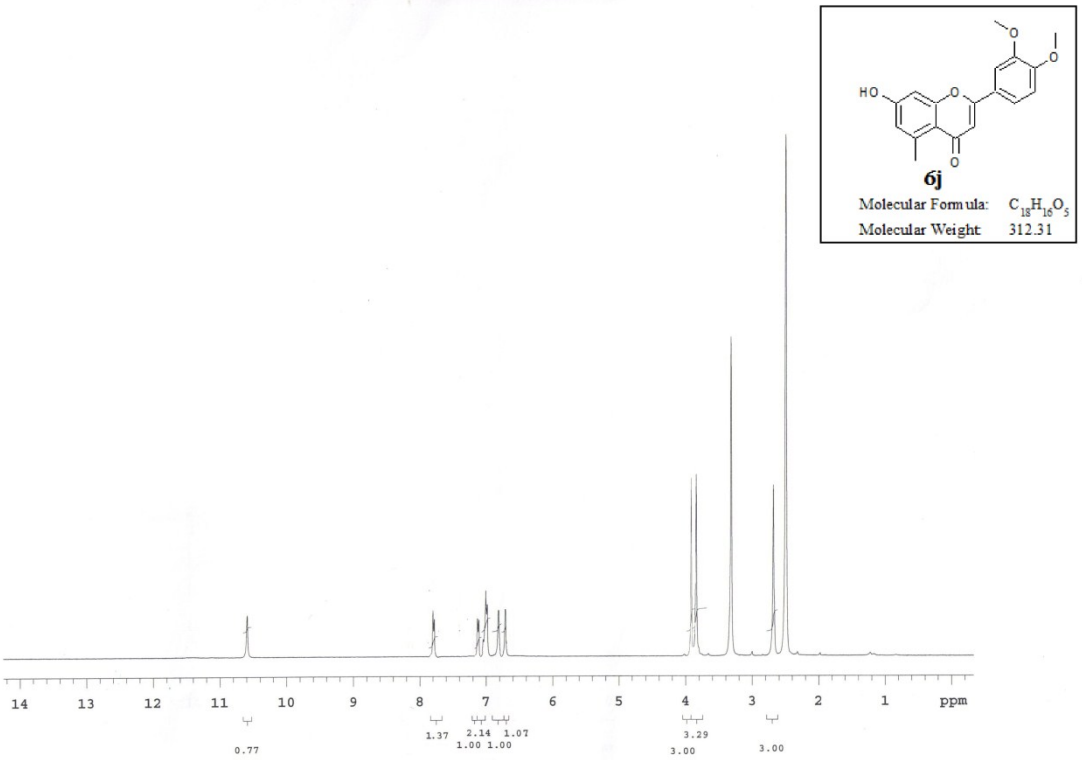
Print of window 80: MS Spectrum

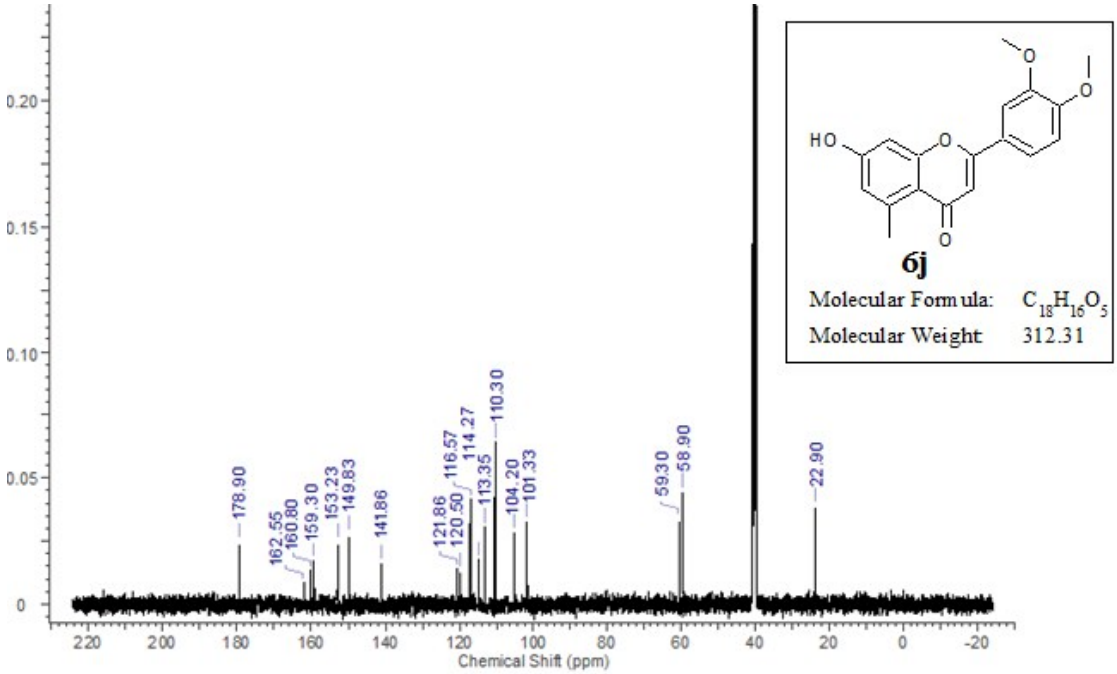
MS Spectrum



LC-MS online 3/10/2017 2:19:51 PM SYSTEM

Page 1 of 1

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120.50
116.57
114.27
113.35
110.30
104.20
101.33
59.30
58.90
22.90
220
200
180
160
140
120
100
80
60
40
20
0
-20
Chemical Shift (ppm)
HO
O
O
O
O
6j
Molecular Formula: $C_{18}H_{16}O_5$
Molecular Weight: 312.31