Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Design and Synthesis of Novel Quinazolinone-Chalcone Hybrids as Potential Apoptotic Candidates Targeting Caspase-3 and PARP-1: *In Vitro*, Molecular Docking, and SAR Studies

Eman A. Madbouly[1], El-Sayed M. Lashine[1], Ahmed A. Al-Karmalawy[2,*], Mahmoud M Sebaiy[1], Harris Pratsinis[3], Dimitris Kletsas[3], and Kamel Metwally[4]

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[4] Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Tabuk, Tabuk, KSA.

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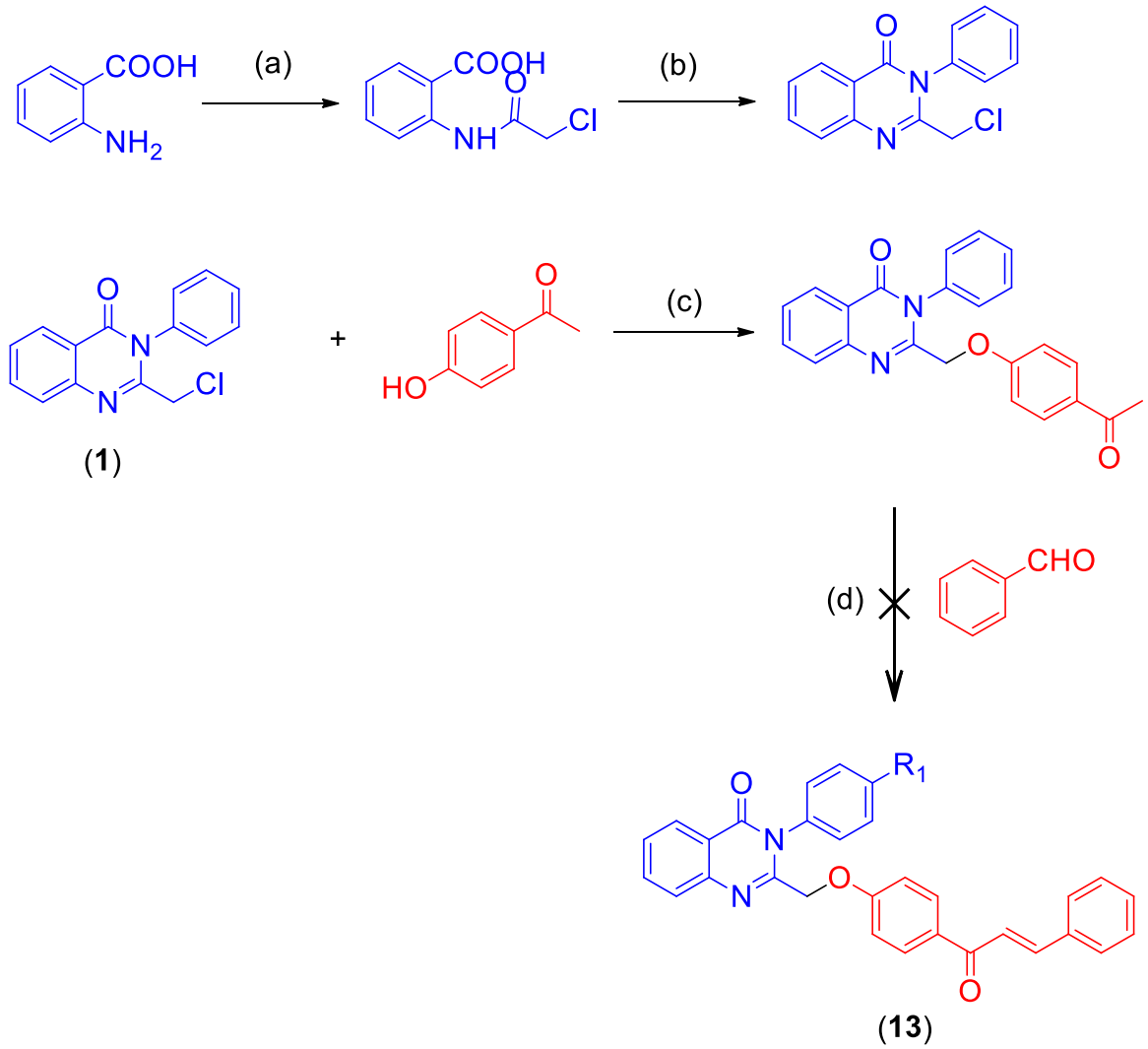
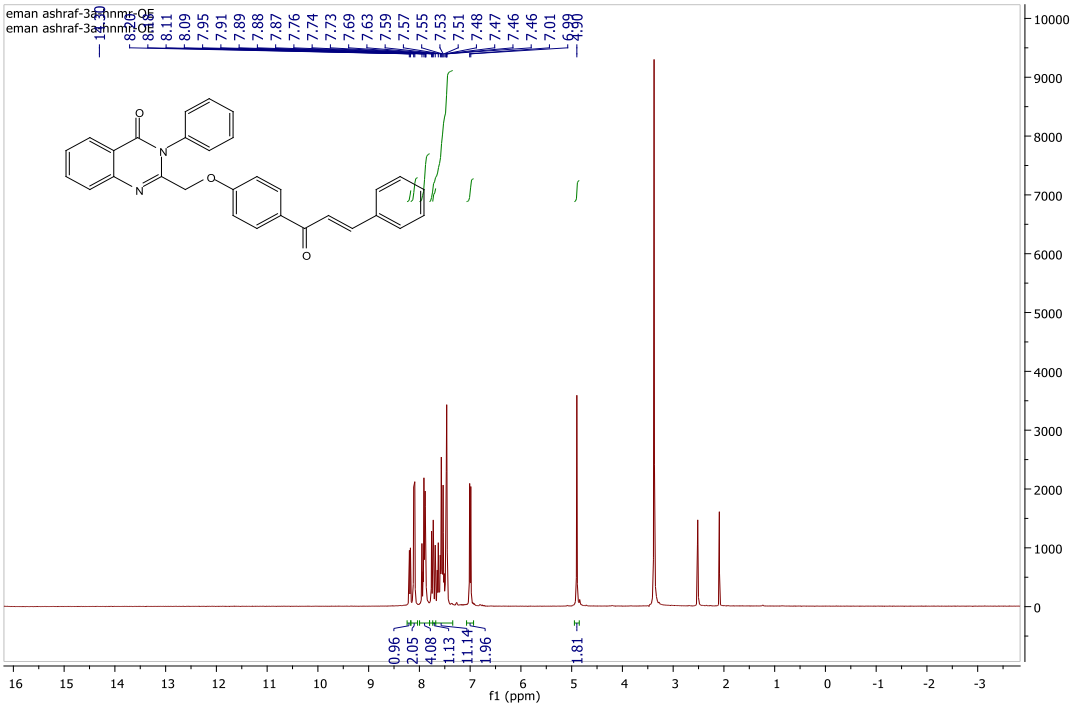
Ahmed A. Al-Karmalawy: akarmalawy@acu.edu.eg

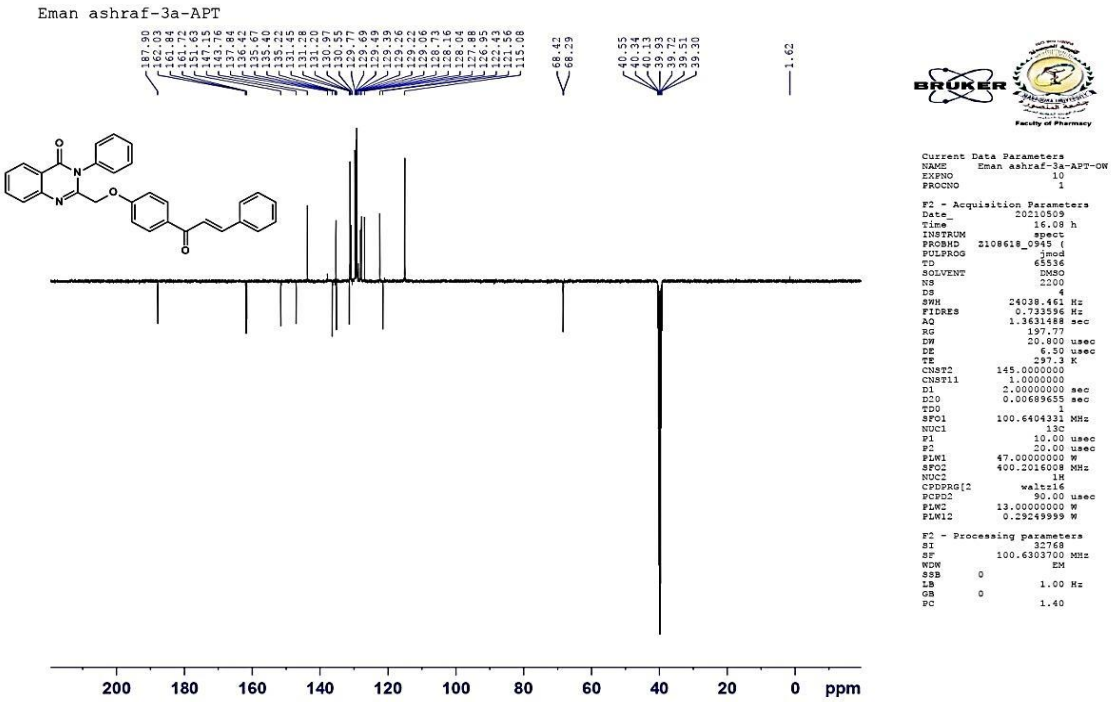


Scheme SI 1. Reagents and conditions: (a) Chloroacetylchloride, dry benzene, reflux. (b) Anilines, $POCl_3$, dry toluene, reflux. (c) K_2CO_3, KI, acetonitrile, reflux. (d) NaOH, EtOH, room temperature.

SI. Spectral data of the novel quinazolinone-chalcone hybrid molecules **13-43** (^{1}HNMR, ^{13}CNMR, and Mass spectroscopy).

2-((4-Cinnamoylphenoxy)methyl)-3-phenylquinazolin-4(3H)-one (13).



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DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

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Analyzed	: 21/01/2007 12:39:38 م
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Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
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Modified	: 21/01/2007 12:44:09 م

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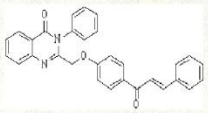

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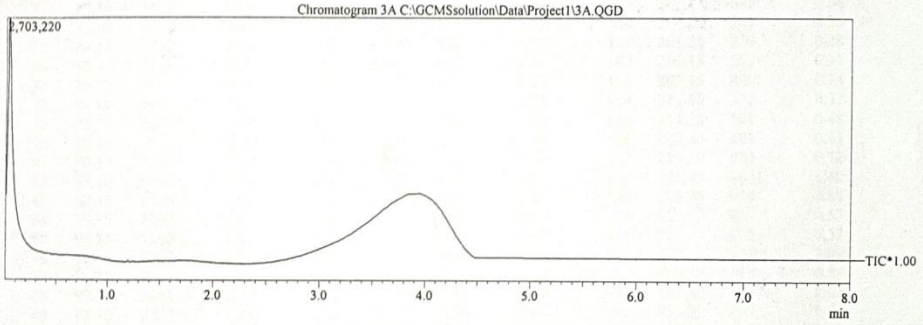

Spectrum

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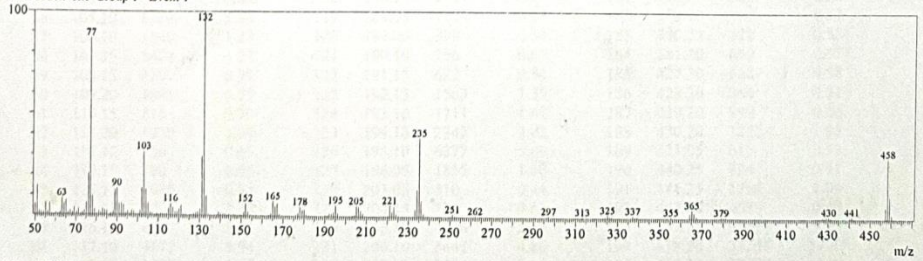

Mass Table
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MassPeaks:197
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BG Mode:None Group 1 - Event 1

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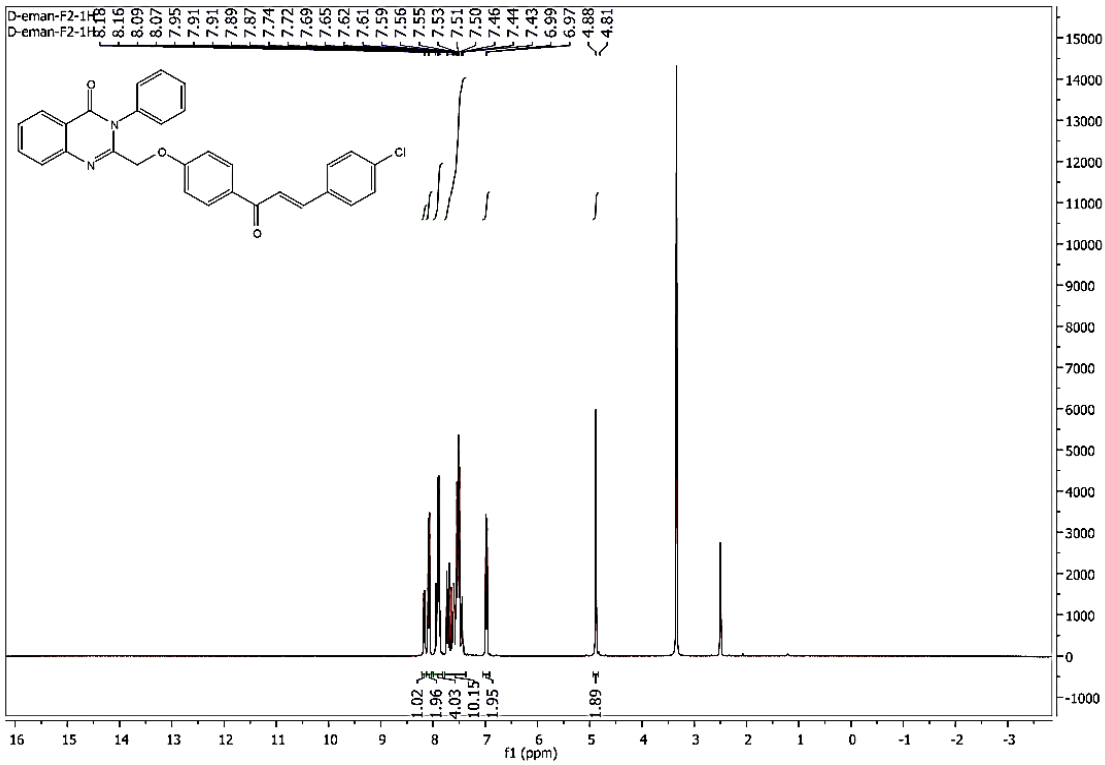
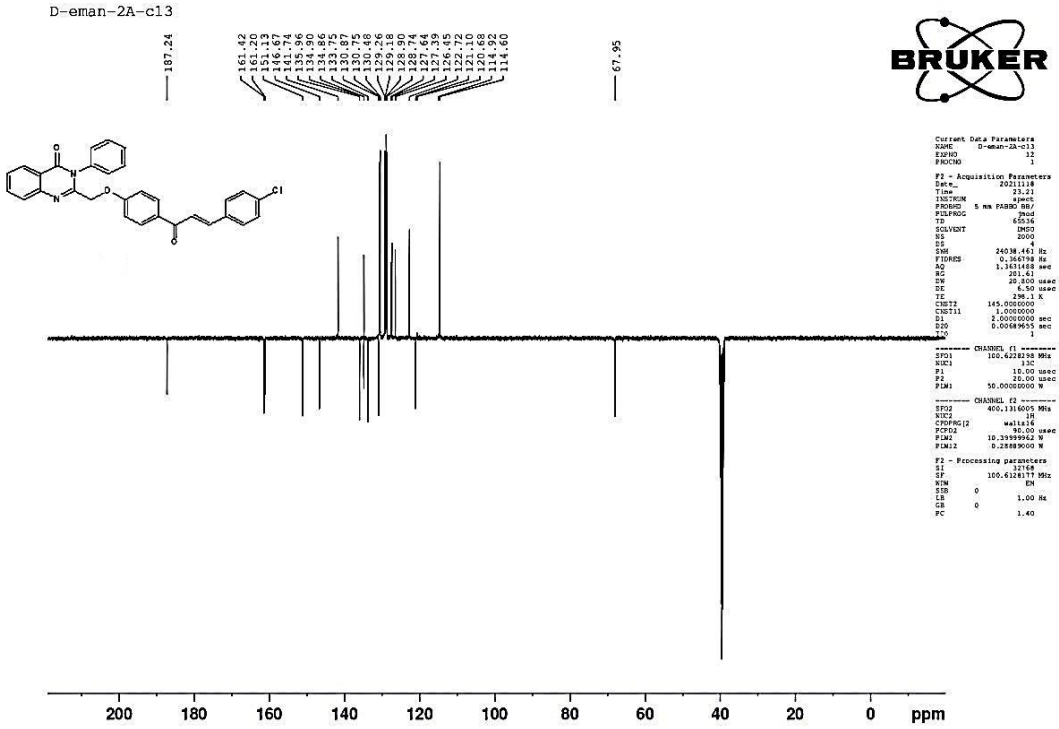
2	51.00	16610	14.30	5	54.05	1411	1.21	8	57.10	6607	5.69
3	52.05	2472	2.13	6	55.05	6715	5.78	9	58.05	725	0.62

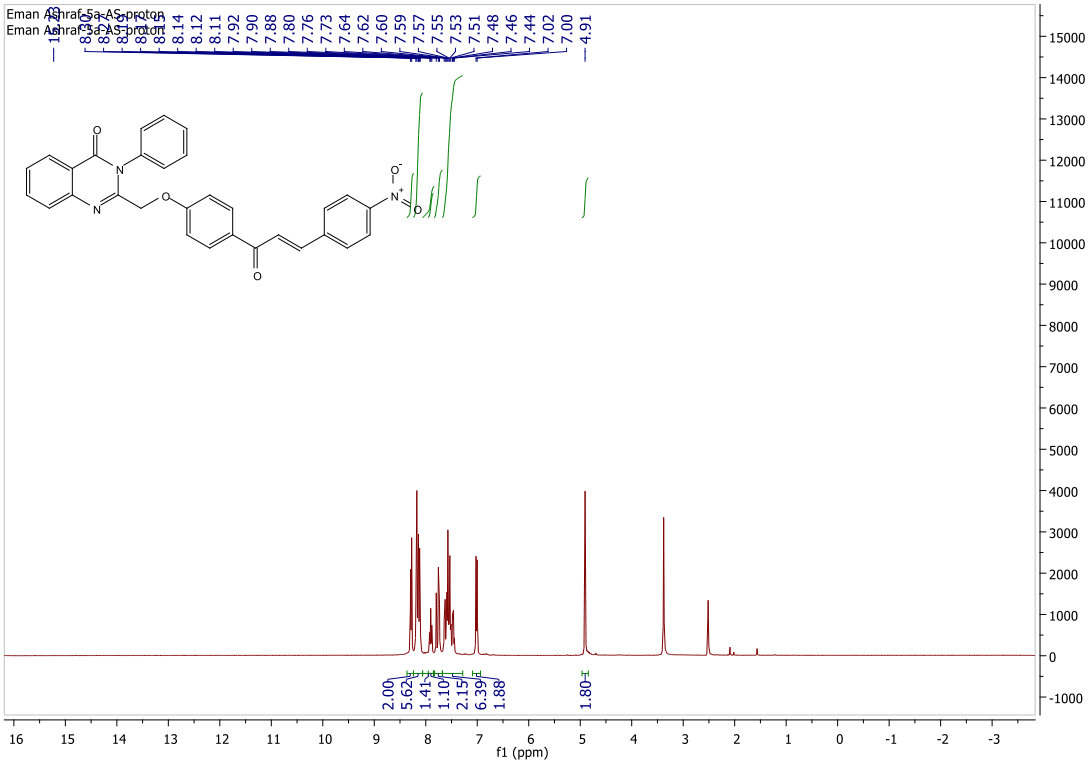
(E)-2-((4-(3-(4-chlorophenyl)acryloyl)phenoxy)methyl)-3-phenylquinazolin-4(3H)-one (14).

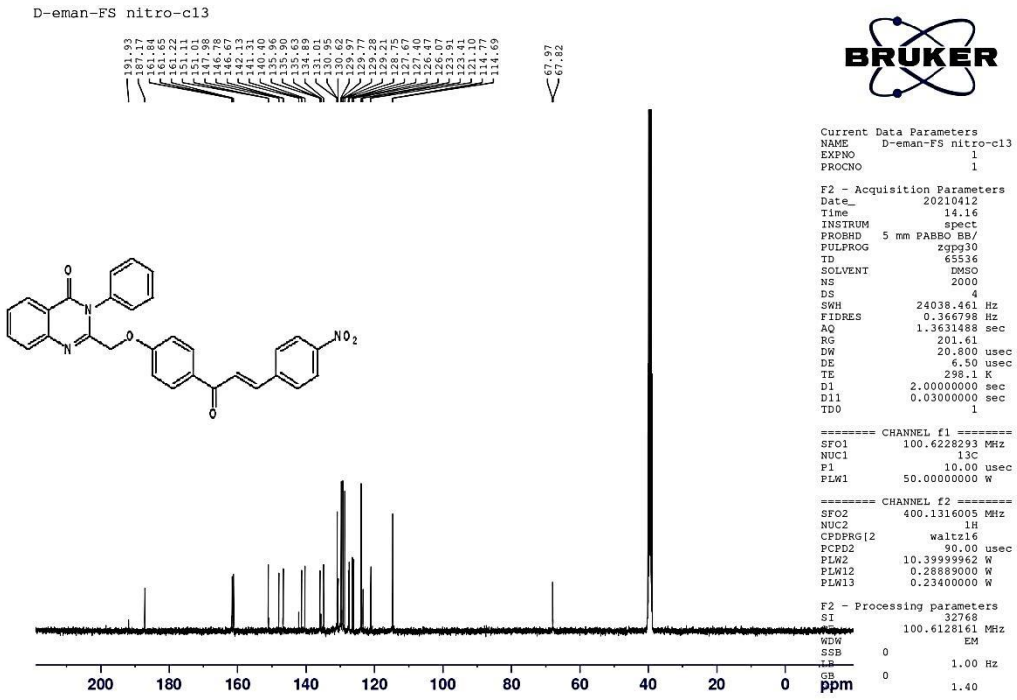




(E)-2-((4-(3-(4-Nitrophenyl)acryloyl)phenoxy)methyl)-3-phenylquinazolin-4-(3H)-

(E)-2-((4-(3-(4-nitrophenyl)acryloyl)phenoxy)methyl)-3-phenylquinazolin-4-(3H)- one (15).





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DI Analysis
Shimadzu Qp-2010 Plus

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Sample Name	: 5A
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
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Modified	: 21/01/2007 12:57:35

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Method

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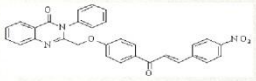
Electron Voltage	: 70 eV
Ionization Mode	: EI



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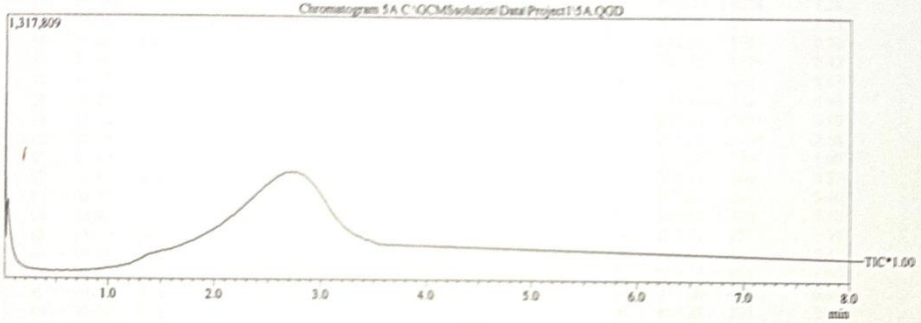

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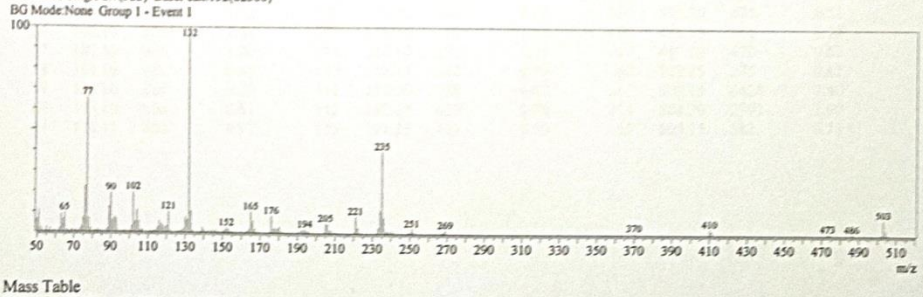
BG Mode:None Group 1 - Event 1



Mass Table
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MassPeaks:165
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BG Mode:None Group 1 - Event 1

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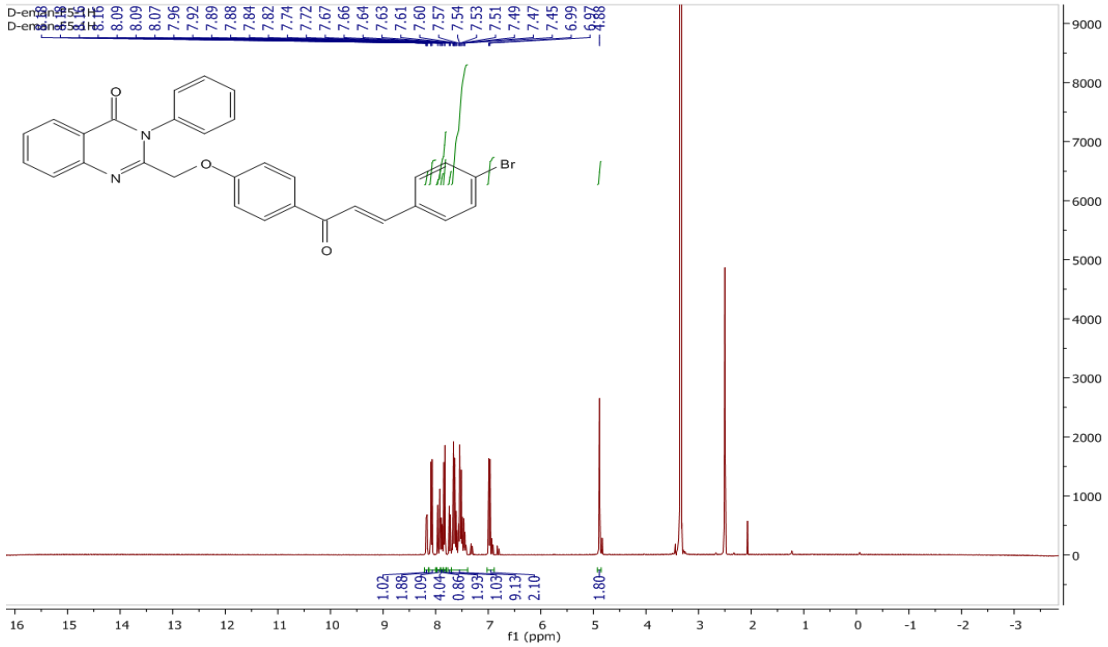
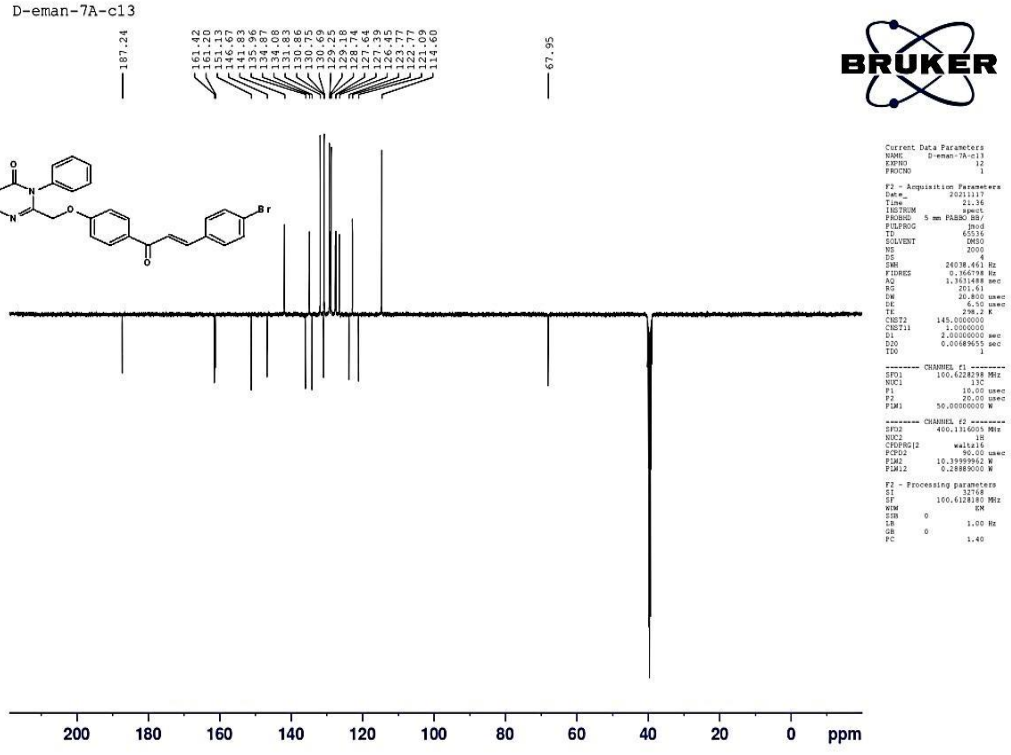
1	50.05	5458	6.63	4	53.00	1209	1.47	7	56.05	663	0.80
2	51.00	8967	10.89	5	54.15	562	0.68	8	57.05	1739	2.11
3	52.05	2105	2.56	6	55.05	2085	2.53	9	58.10	354	0.43

(E)-2-((4-(3-(4-Bromophenyl)acryloyl)phenoxy)methyl)-3-phenylquinazolin-4(3H)-one (16).





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DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

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Analyzed	: 21/01/2007 01:00:06
Sample Name	: 7A
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\7A.QGD
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Modified	: 21/01/2007 01:04:31

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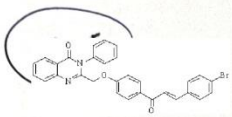
Electron Voltage	: 70 eV
Ionization Mode	: EI



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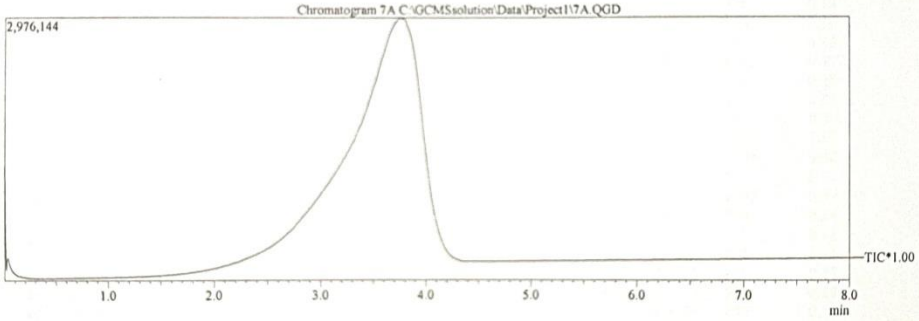

Spectrum

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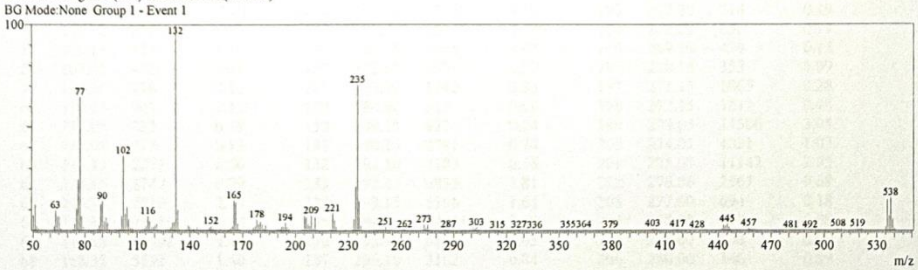

Mass Table
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BG Mode:None Group 1 - Event 1

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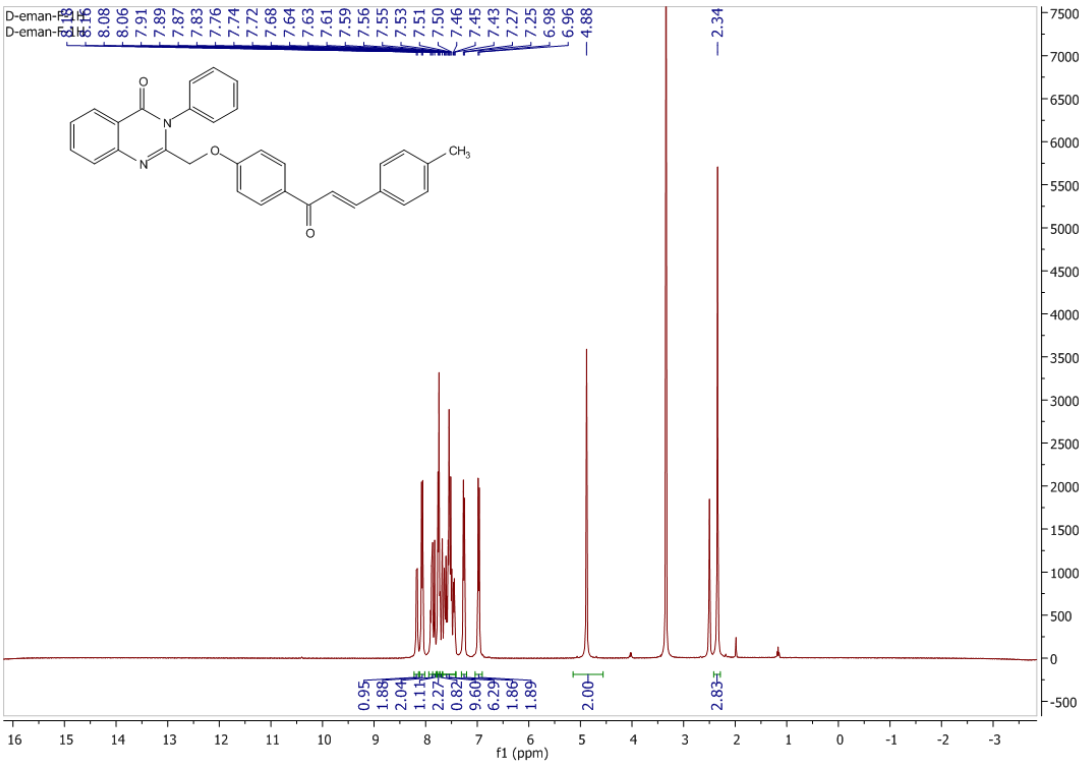
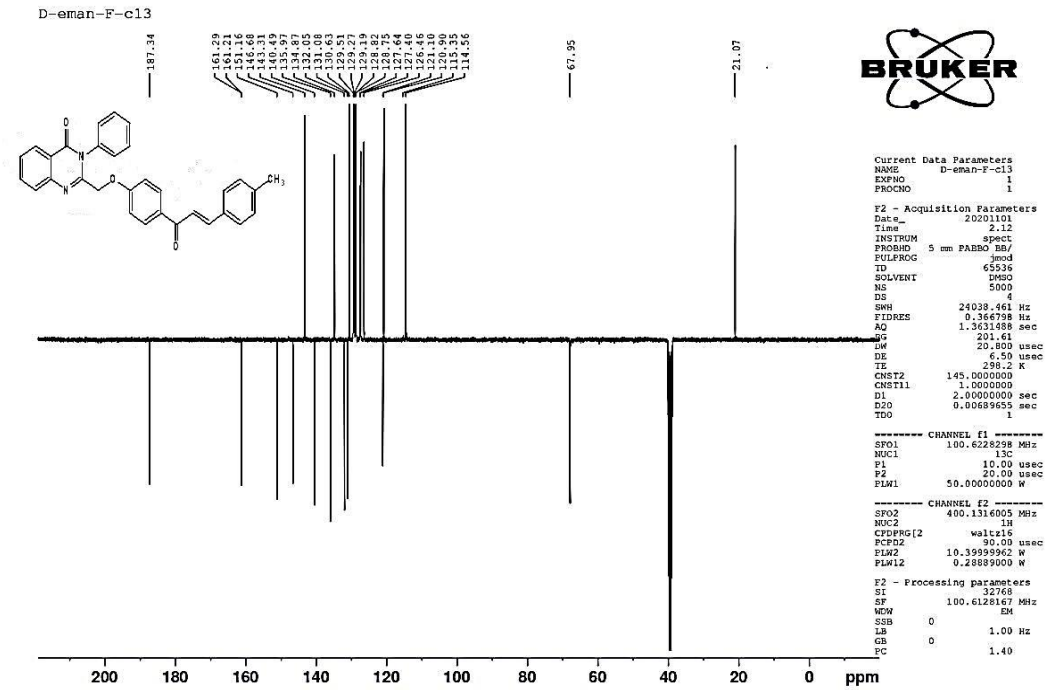
1	50.05	27620	7.32	4	53.05	3678	0.97	7	56.15	717	0.19
2	51.05	47358	12.55	5	54.05	965	0.26	8	57.10	1671	0.44
3	52.05	8408	2.23	6	55.05	2650	0.70	9	58.10	434	0.12

(E)-3-Phenyl-2-((4-(3-(p-tolyl)acryloyl)phenoxy)methyl)quinazolin-4(3H)-one (17).





27-Jan-21 20:49:29

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DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

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Analyzed	: 27/01/2021 08:42:08 م
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Sample ID	:
Customer Name	: Dr. Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\F1.QGD
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Modified	: 27/01/2021 08:48:01 م

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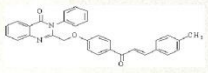
Ionization Mode	: EI



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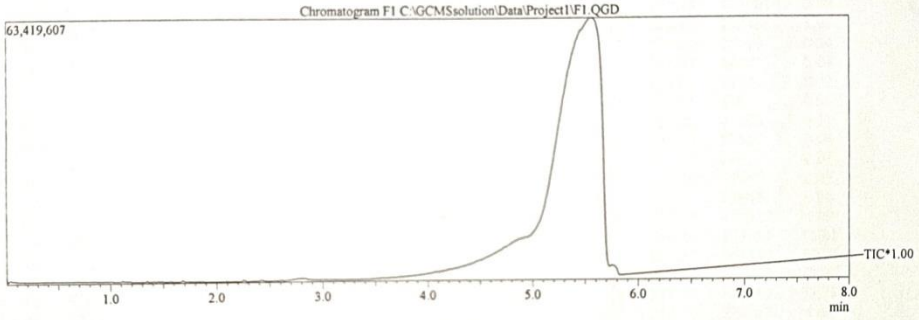

Spectrum

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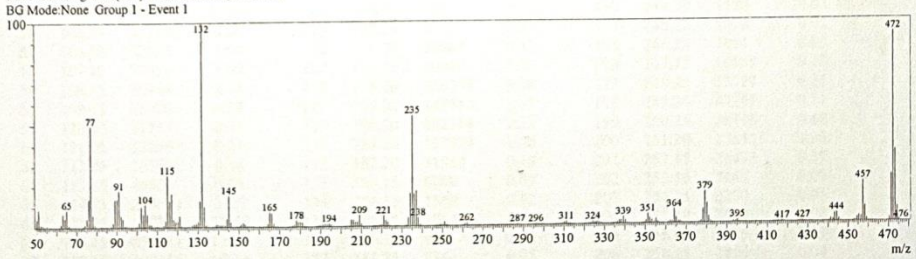

Mass Table
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RawMode:Single 5.5(667) BasePeak:132(6712038)
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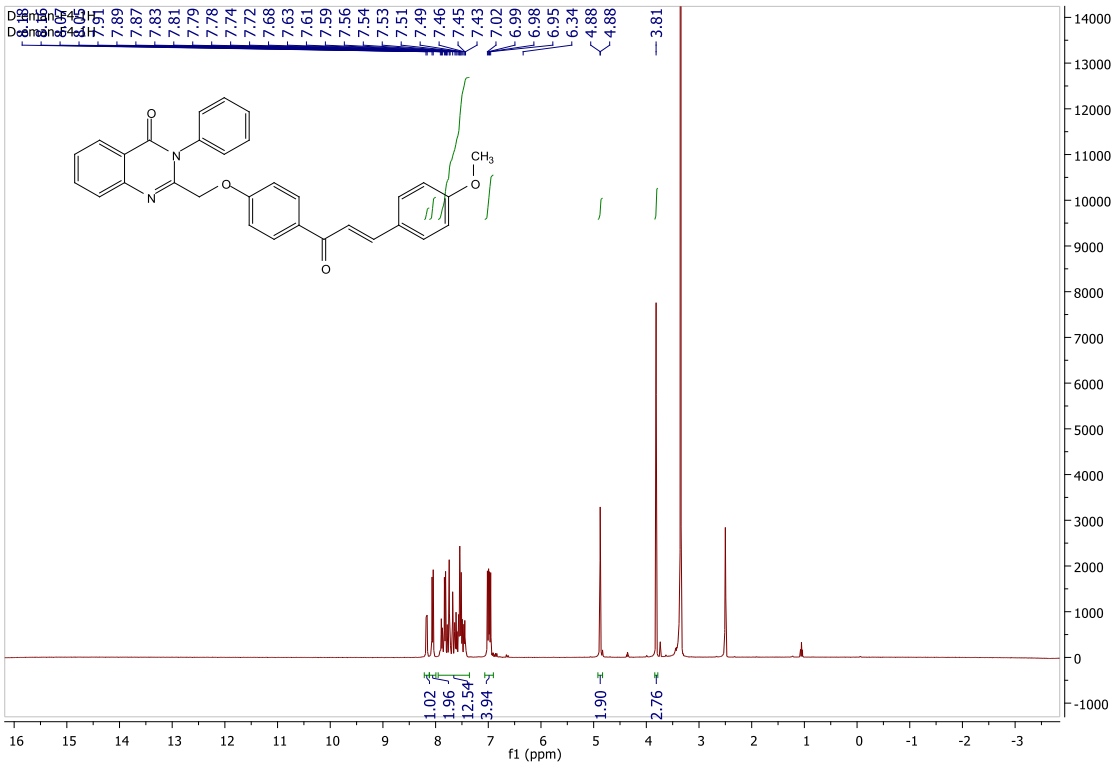
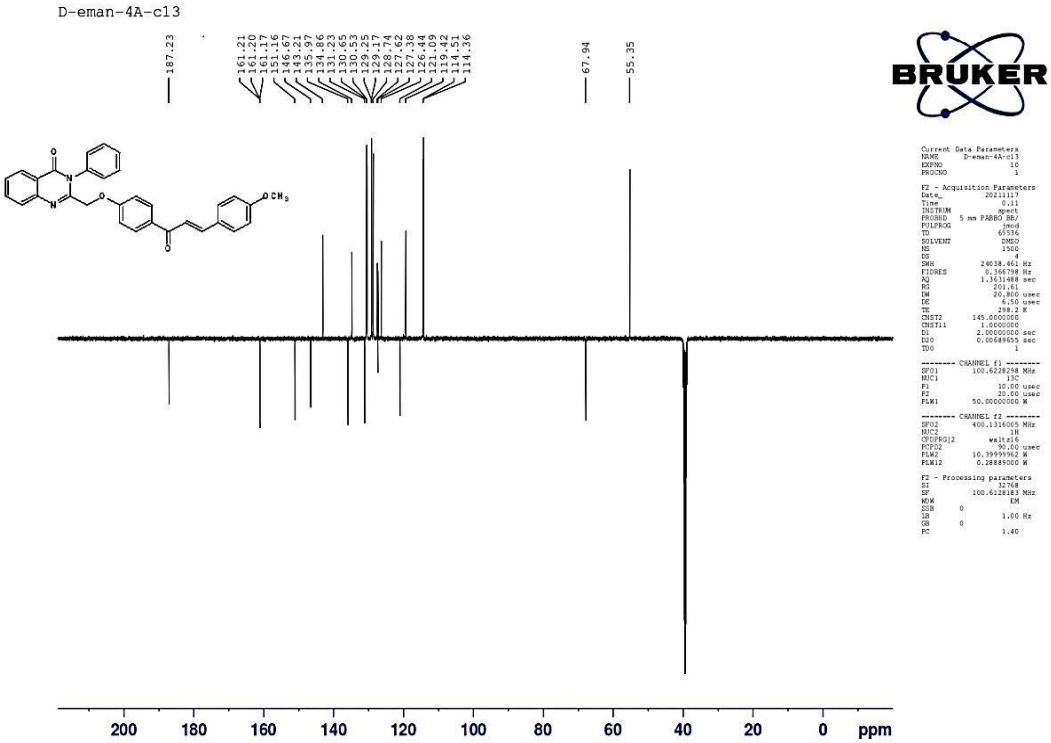
1	50.10	257380	3.83	4	53.05	66694	0.99	7	56.05	6438	0.10
2	51.05	573714	8.55	5	54.05	9568	0.14	8	57.10	12190	0.18
3	52.05	86208	1.28	6	55.05	44224	0.66	9	58.10	4007	0.06

(E)-2-((4-(3-(4-Methoxyphenyl)acryloyl)phenoxy)methyl)-3-phenylquinazolin-4-(3H)-one (18).





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DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

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Analyzed	: 21/01/2007 12:47:09
Sample Name	: 4A
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
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Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
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Modified	: 21/01/2007 12:51:38

Method

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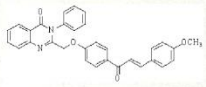
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI



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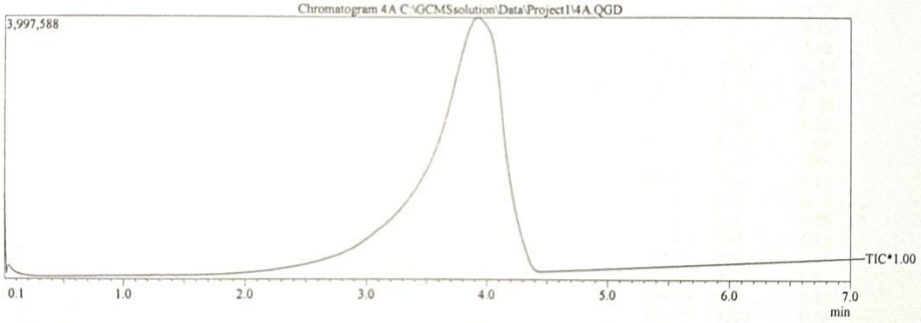
Chromatogram 4A C:\GCMSsolution\Data\Project1\4A.QGD



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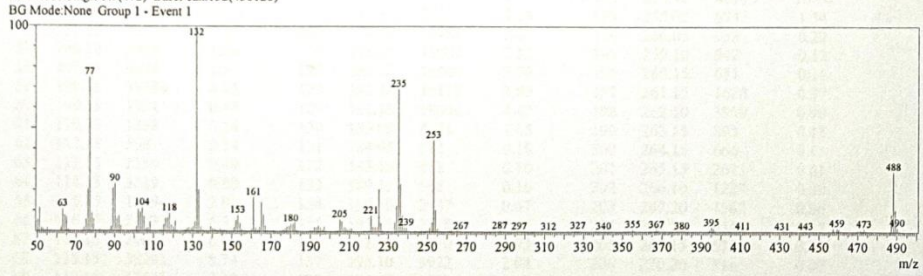

Mass Table
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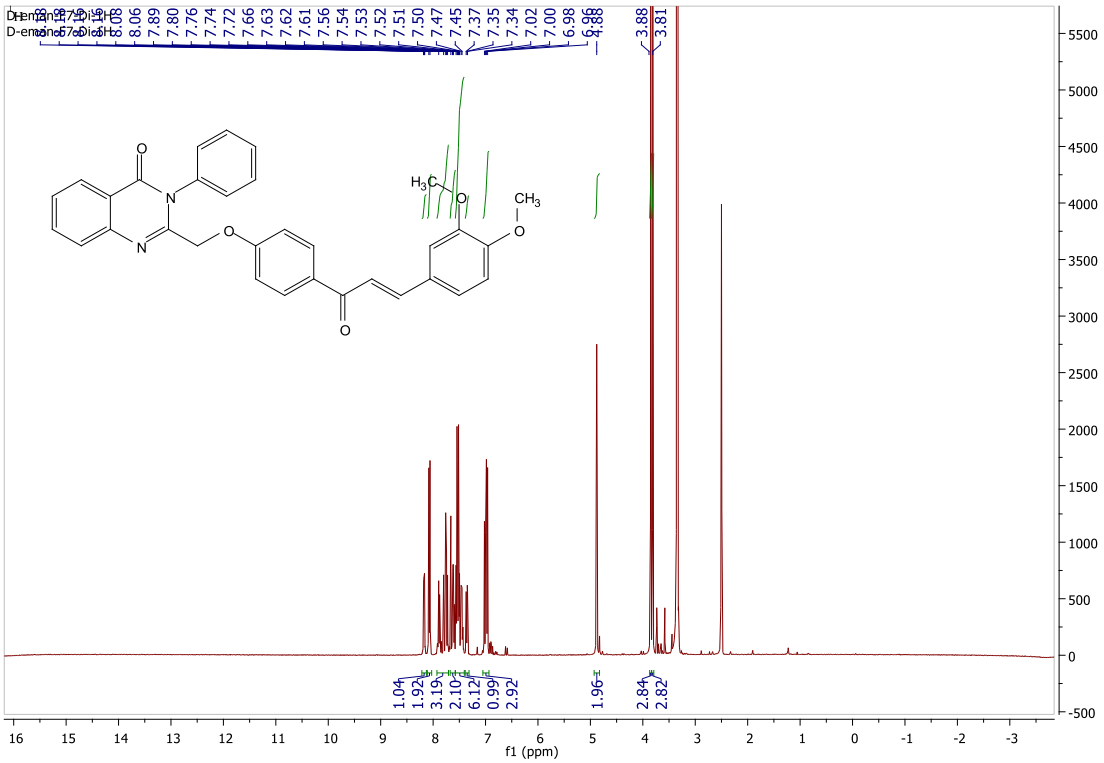
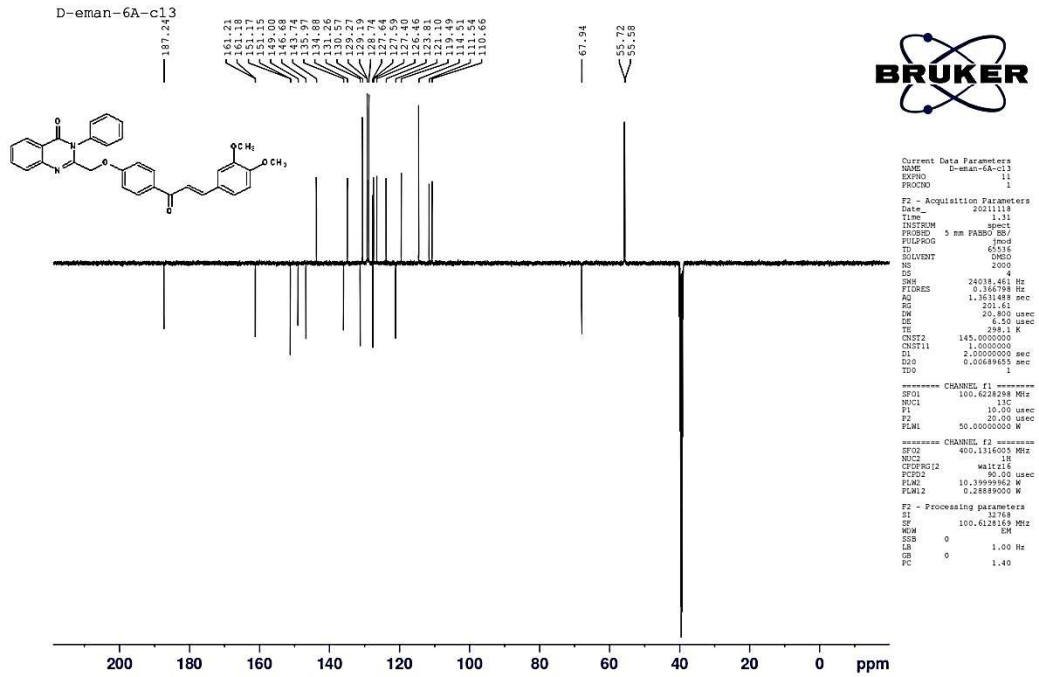
MassPeaks:308
RawMode:Single 3.9(472) BasePeak:132(438128)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.05	24148	5.51	4	53.05	6330	1.44	7	56.15	1173	0.27
2	51.05	50083	11.43	5	54.05	1519	0.35	8	57.10	2364	0.54
3	52.05	7691	1.76	6	55.05	6951	1.59	9	58.15	482	0.11

(E)-2-((4-(3-(3,4-Dimethoxyphenyl)acryloyl)phenoxy)methyl)-3-phenylquinazolin-4(3H)-one (19).





Cairo University
Micro Analytical Center

DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

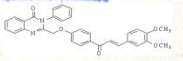
Analyzed by	: Dr. Mai Younis
Analyzed	: 11/01/2007 03:54:59 ص
Sample Name	: 15
Sample ID	:
Customer Name	: Dr. Eman Ashraf - Pharmacy Zagazik
Data File	: C:\GCMSsolution\Data\Project1\15.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\15.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 11/01/2007 04:02:40 ص

Method

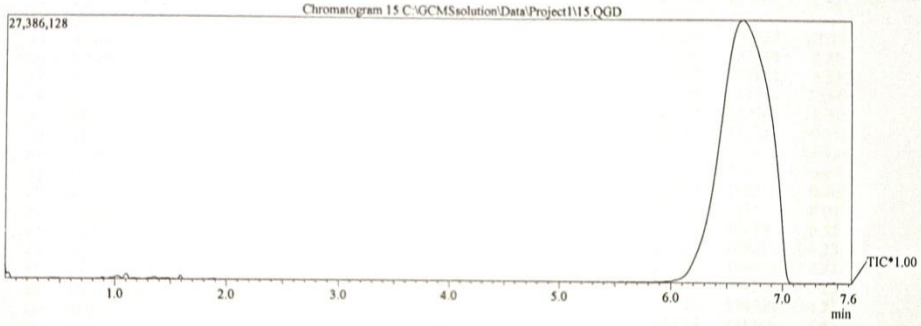
====== Analytical Line 1 ======
IonSourceTemp :250.00 °C
[MS Table]
--Group 1 - Event 1--
Start Time :0.00min
End Time :10.00min
ACQ Mode :Scan
Event Time :0.50sec
Scan Speed :1250
Start m/z :50.00
End m/z :600.00

Electron Voltage : 70 eV
Ionization Mode : EI

C:\GCMSsolution\Data\Project1\15.QGD

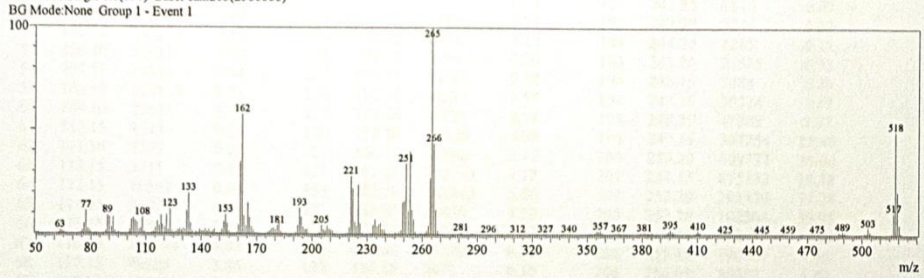


Chromatogram 15 C:\GCMSsolution\Data\Project1\15.QGD



Spectrum

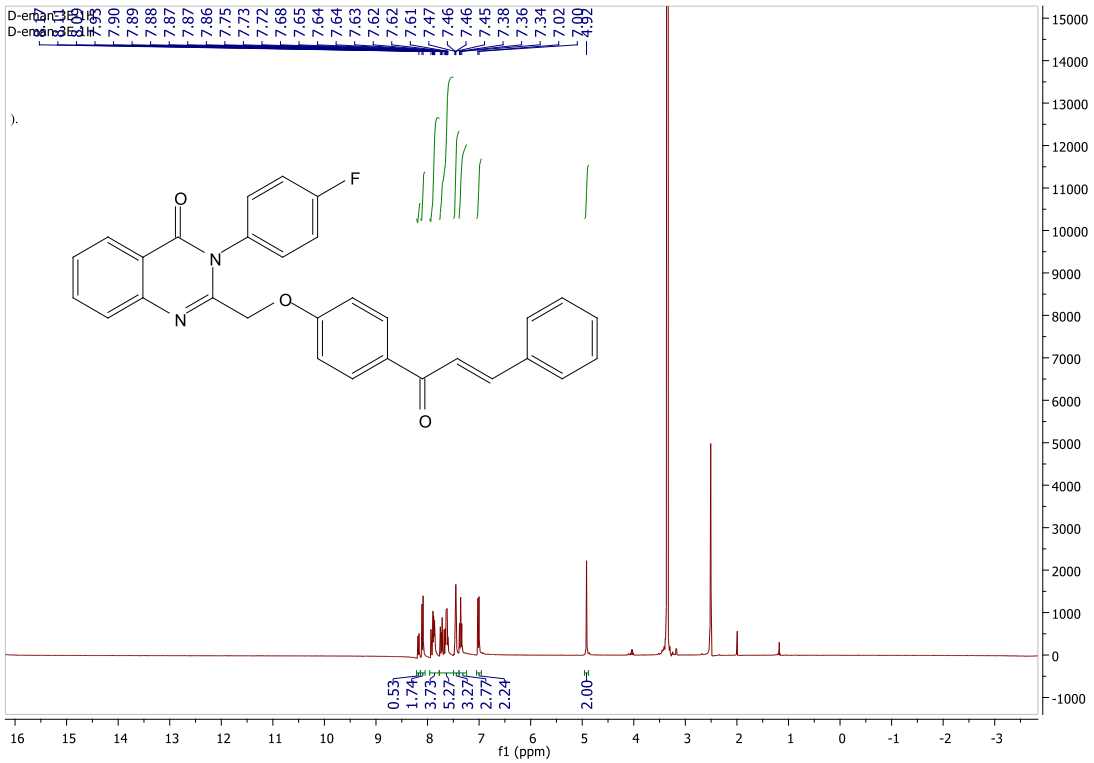
Line#:1 R.Time:6.6(Scan#:797)
MassPeaks:463
RawMode:Single 6.6(797) BasePeak:265(2560666)
BG Mode:None Group 1 - Event 1

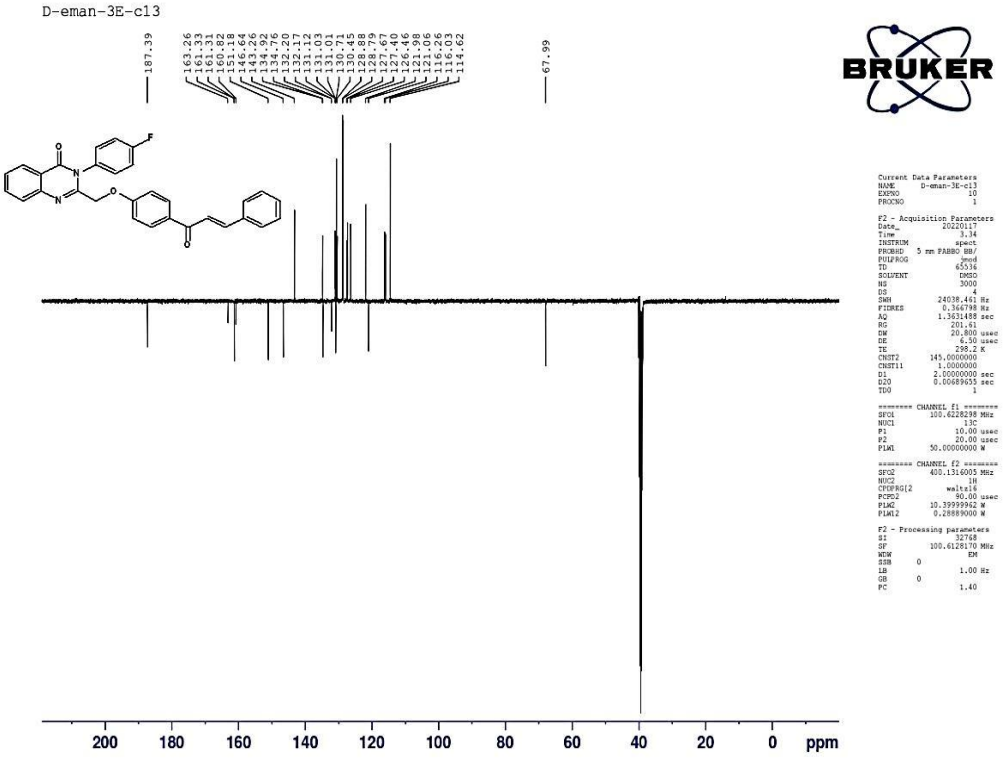


Mass Table
Line#:1 R.Time:6.6(Scan#:797)
MassPeaks:463
RawMode:Single 6.6(797) BasePeak:265(2560666)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	17425	0.68	4	53.00	6142	0.24	7	56.00	586	0.02
2	51.00	19146	0.75	5	54.05	1690	0.07	8	57.00	545	0.02
3	52.00	7697	0.30	6	55.05	3764	0.15	9	58.00	318	0.01

(E)-2-((4-Cinnamoylphenoxy)methyl)-3-(4-fluorophenyl)quinazolin-4(3H)-one (20).





21-Jan-07 17:20:03

Cairo University
Micro Analytical Center

DI Analysis
Shimadzu Qp-2010 Plus

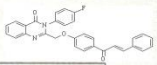
Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 05:13:10
Sample Name	: 3E
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\3E.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\3E.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 05:19:06

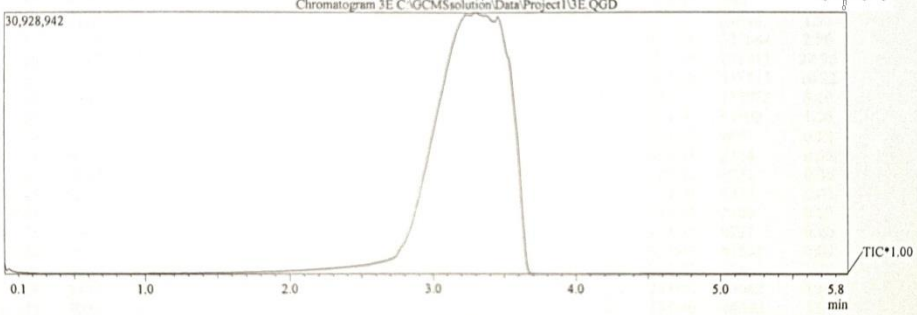
Method

═══ Analytical Line 1 ═══	
IonSourceTemp	:250.00 ℃
[MS Table]	
–Group 1 - Event 1–	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

C:\GCMSsolution\Data\Project1\3E.QGD

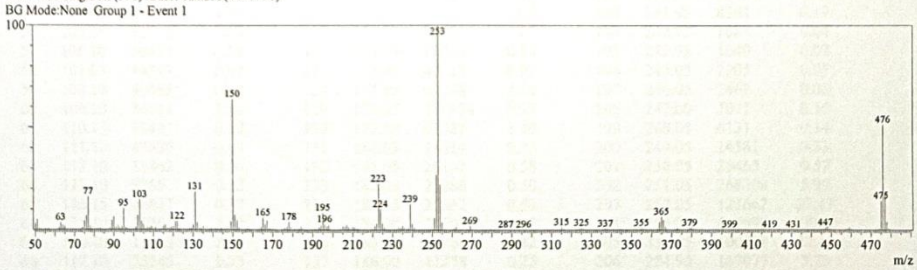


Chromatogram 3E C:\GCMSsolution\Data\Project1\3E.QGD



Spectrum

Line#:1 R.Time:3.3(Scan#:396)
MassPeaks:424
RawMode:Single 3.3(396) BasePeak:253(4476991)
BG Mode:None Group 1 - Event 1

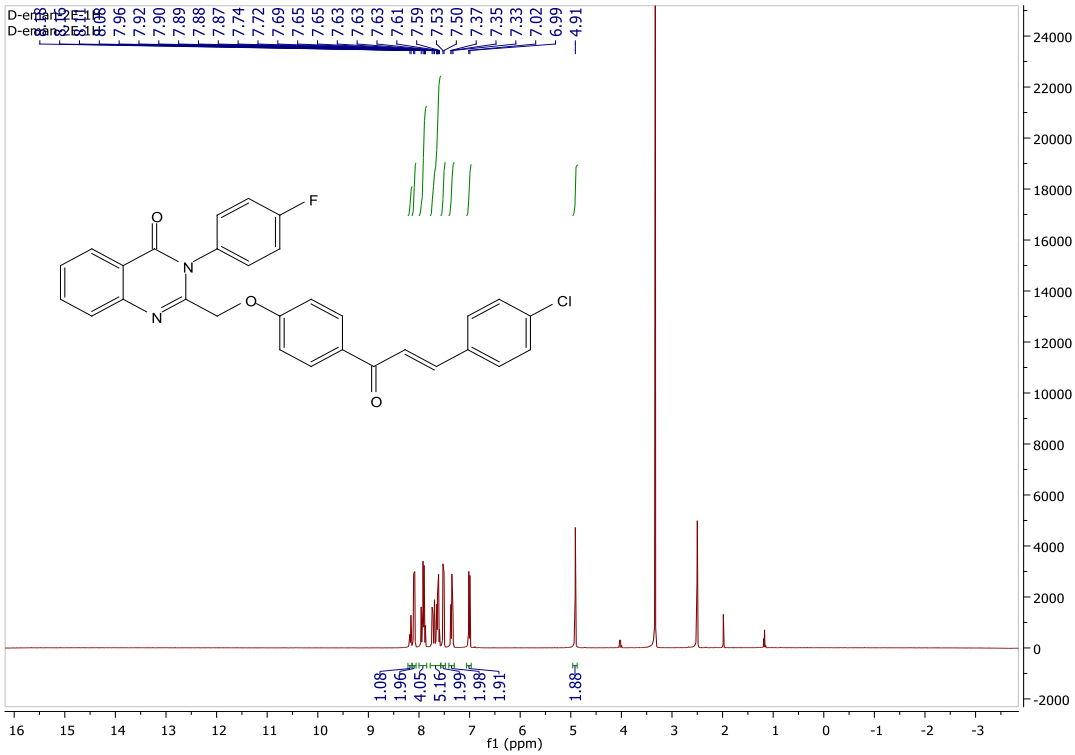


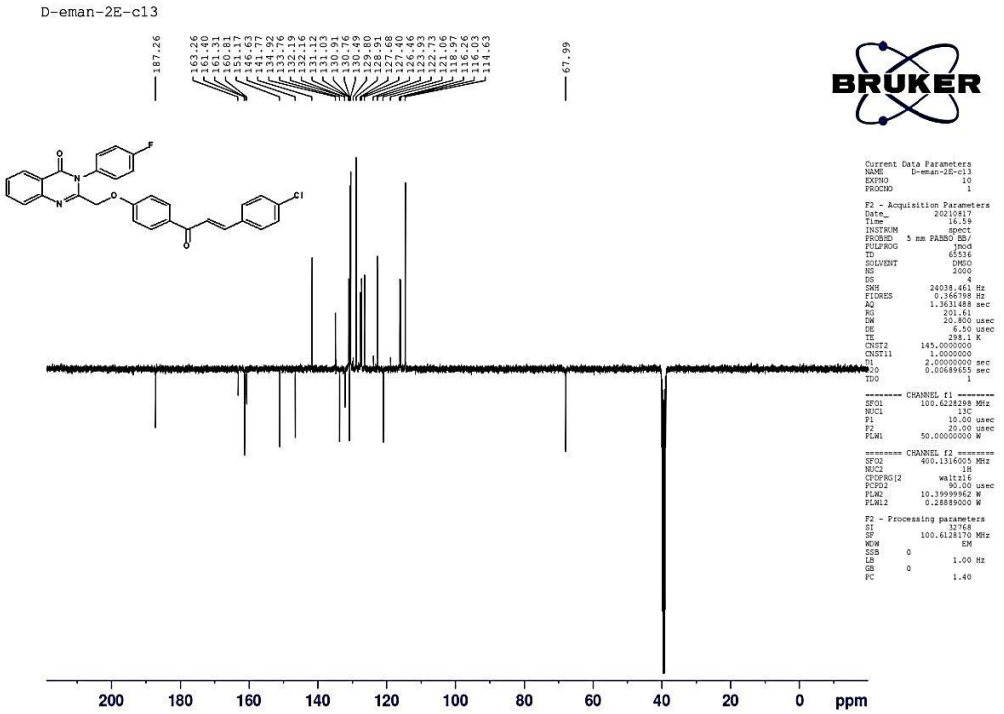
Mass Table
Line#:1 R.Time:3.3(Scan#:396)
MassPeaks:424
RawMode:Single 3.3(396) BasePeak:253(4476991)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.05	140174	3.13	4	53.00	25855	0.58	7	56.05	8203	0.18
2	51.00	226548	5.06	5	54.05	6734	0.15	8	57.00	27977	0.62
3	52.00	41111	0.92	6	55.00	27657	0.62	9	58.00	4298	0.10

1 / 4

(E)-2-((4-(3-(4-Chlorophenyl)acryloyl)phenoxy)methyl)-3-(4-fluorophenyl)quinazolin-4(3H)-one (21).





21-Jan-07 17:12:52

Cairo University
Micro Analytical Center

DI Analysis
Shimadzu Qp-2010 Plus

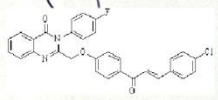
Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 05:06:59
Sample Name	: 2E
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\2E.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\2E.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 05:10:47

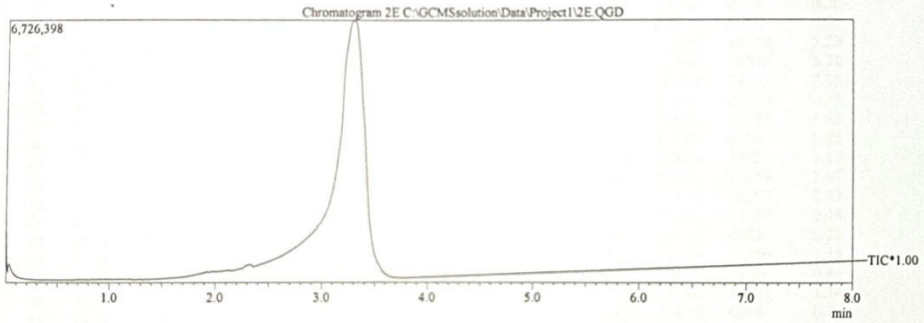
Method

═══ Analytical Line 1 ═══	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

C:\GCMSsolution\Data\Project1\2E.QGD

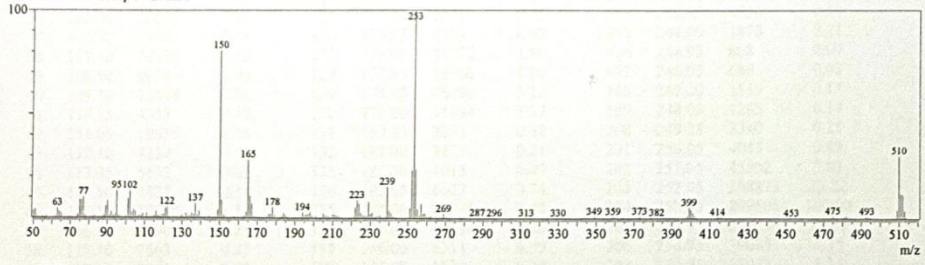


Chromatogram 2E C:\GCMSsolution\Data\Project1\2E.QGD



Spectrum

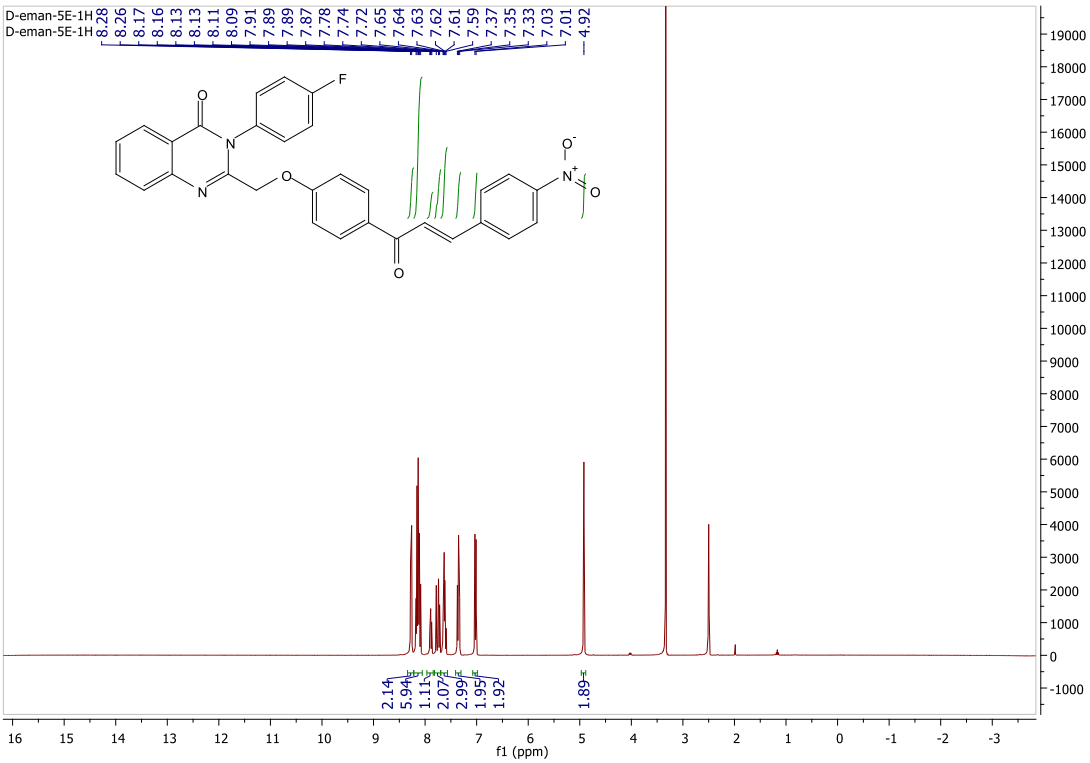
Line#:1 R.Time:3.3(Scan#:397)
MassPeaks:395
RawMode:Single 3.3(397) BasePeak:253(899505)
BG Mode:None Group 1 - Event 1

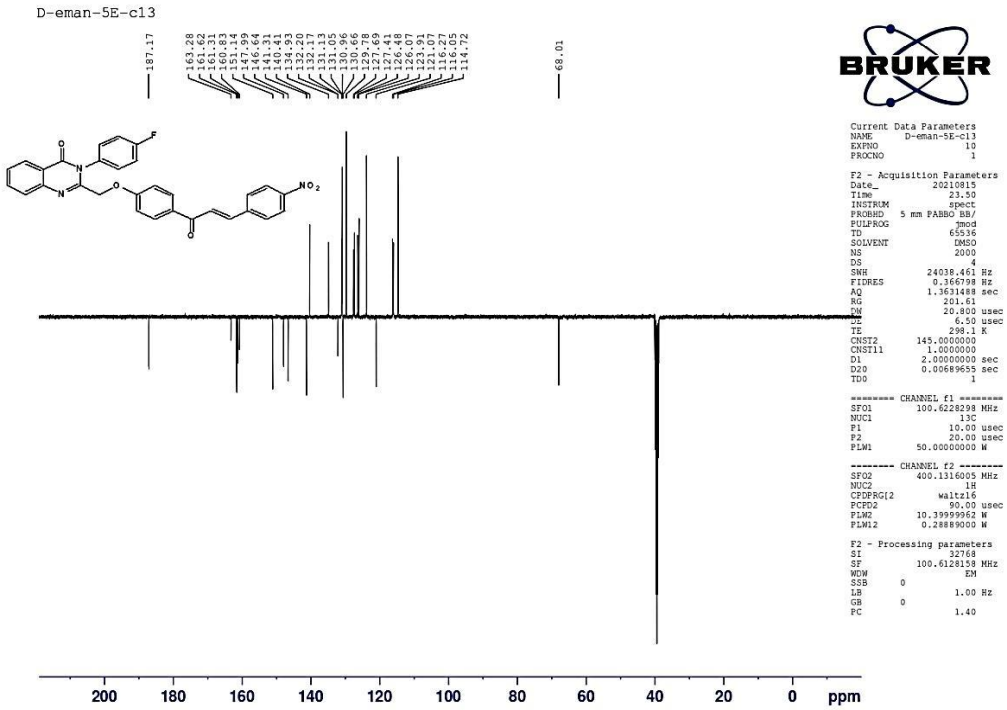


Mass Table
Line#:1 R.Time:3.3(Scan#:397)
MassPeaks:395
RawMode:Single 3.3(397) BasePeak:253(899505)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.05	33093	3.68	4	53.00	4713	0.52	7	56.05	2587	0.29
2	51.00	38110	4.24	5	54.05	1860	0.21	8	57.00	8711	0.97
3	52.00	7382	0.82	6	55.00	6625	0.74	9	58.05	1112	0.12

(E)-3-(4-Fluorophenyl)-2-((4-(3-(4-nitrophenyl)acryloyl)phenoxy)methyl)quinazolin-4(3H)-one (22).





21-Jan-07 17:32:09

Cairo University
Micro Analytical Center

DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

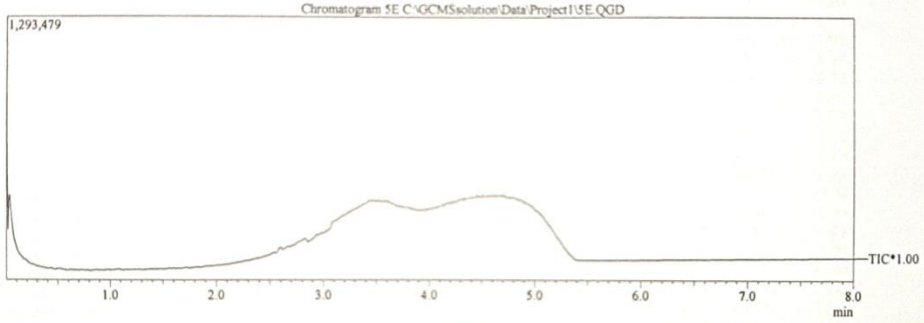
Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 05:25:48
Sample Name	: 5E
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\5E.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\5E.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$End1f$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 05:31:16

Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

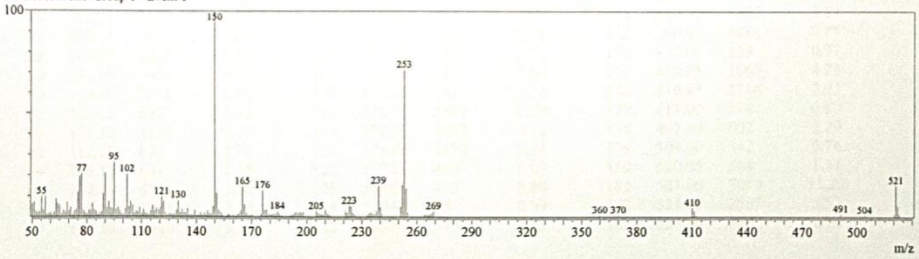
C:\GCMSsolution\Data\Project1\5E.QGD

Chromatogram 5E C:\GCMSsolution\Data\Project1\5E.QGD



Spectrum

Line#:1 R.Time:3.5(Scan#:419)
MassPeaks:183
RawMode:Single 3.5(419) BasePeak:150(46495)
BG Mode:None Group 1 - Event 1

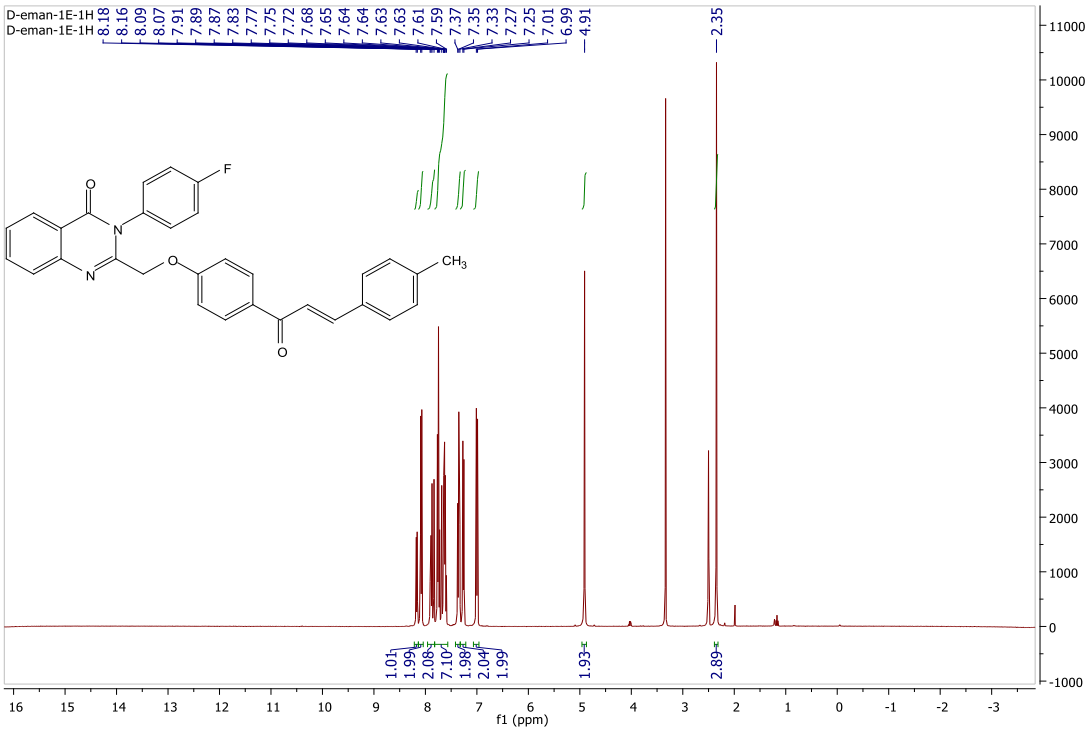


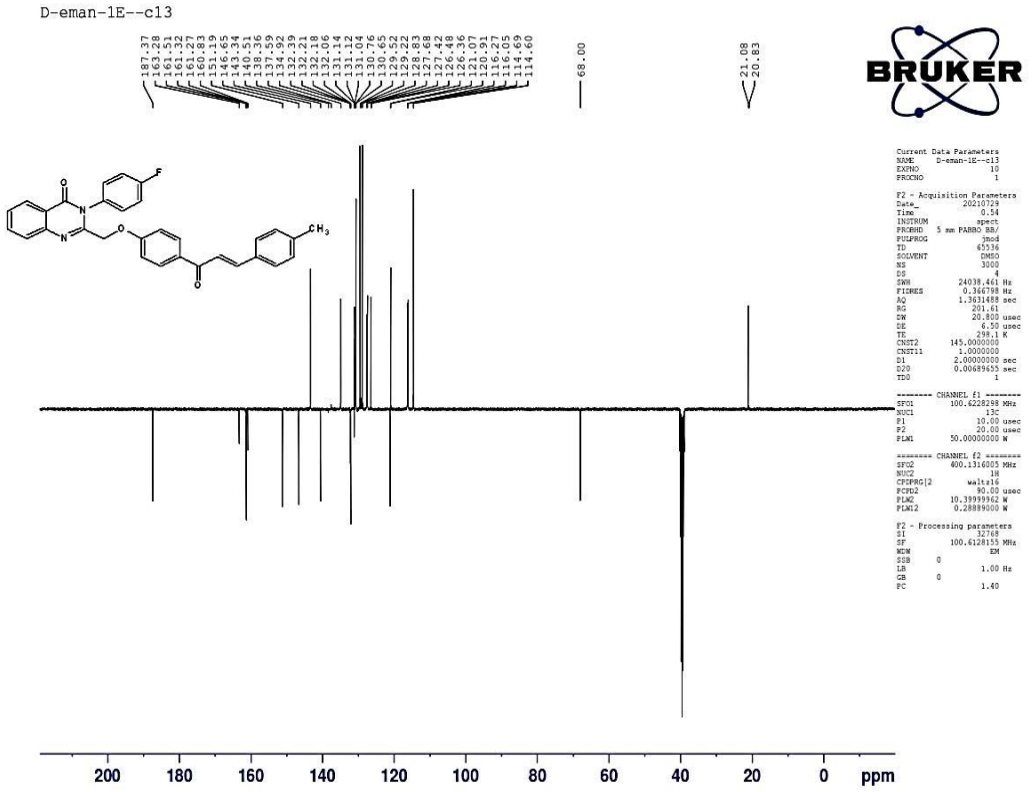
Mass Table
Line#:1 R.Time:3.5(Scan#:419)
MassPeaks:183
RawMode:Single 3.5(419) BasePeak:150(46495)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	2932	6.31	4	53.00	969	2.08	7	56.05	1467	3.16
2	51.00	3246	6.98	5	54.05	1094	2.35	8	57.05	4575	9.84
3	52.00	1249	2.69	6	55.05	4464	9.60	9	58.00	612	1.32

1 / 2

(E)-3-(4-Fluorophenyl)-2-((4-(3-(p-tolyl)acryloyl)phenoxy)methyl)quinazolin-4(3H)-one (23).





21-Jan-07 17:05:14

Cairo University
Micro Analytical Center

DI Analysis
Shimadzu Qp-2010 Plus

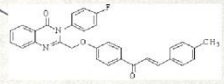
Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 05:01:16 م
Sample Name	: 1E
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\1E.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\1E.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 05:04:29 م

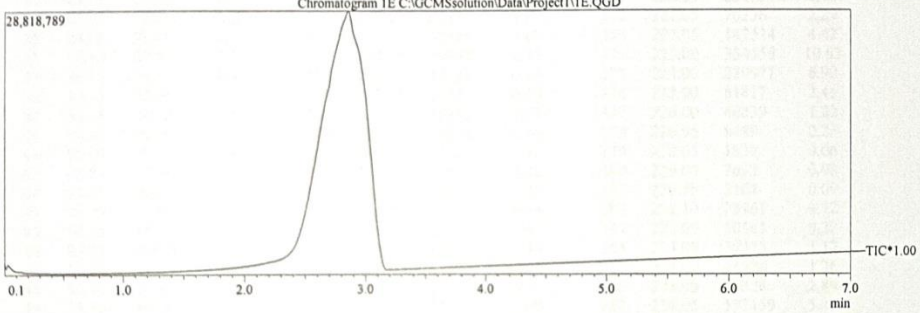
Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

C:\GCMSsolution\Data\Project1\1E.QGD

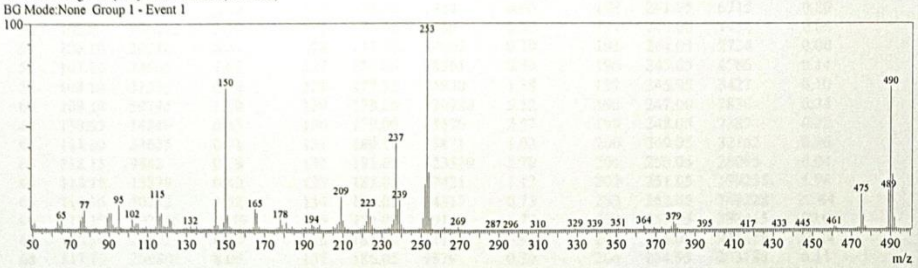


Chromatogram 1E C:\GCMSsolution\Data\Project1\1E.QGD



Spectrum

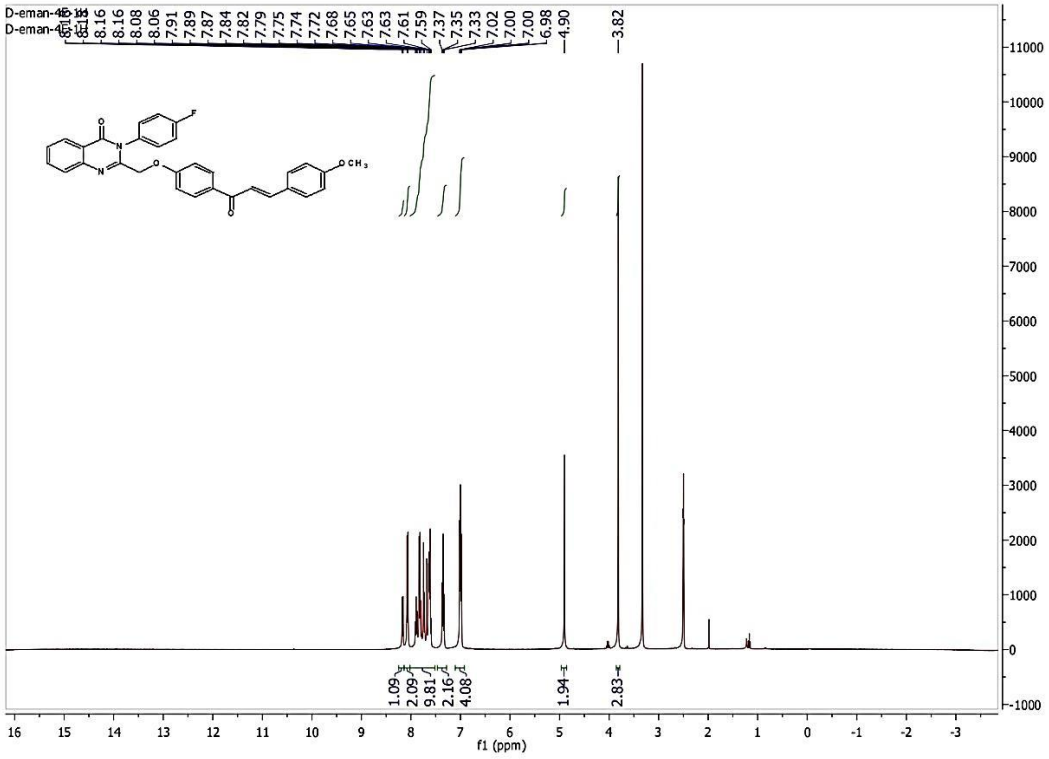
Line#:1 R.Time:2.9(Scan#:345)
MassPeaks:436
RawMode:Single 2.9(345) BasePeak:253(3334153)
BG Mode:None Group 1 - Event 1

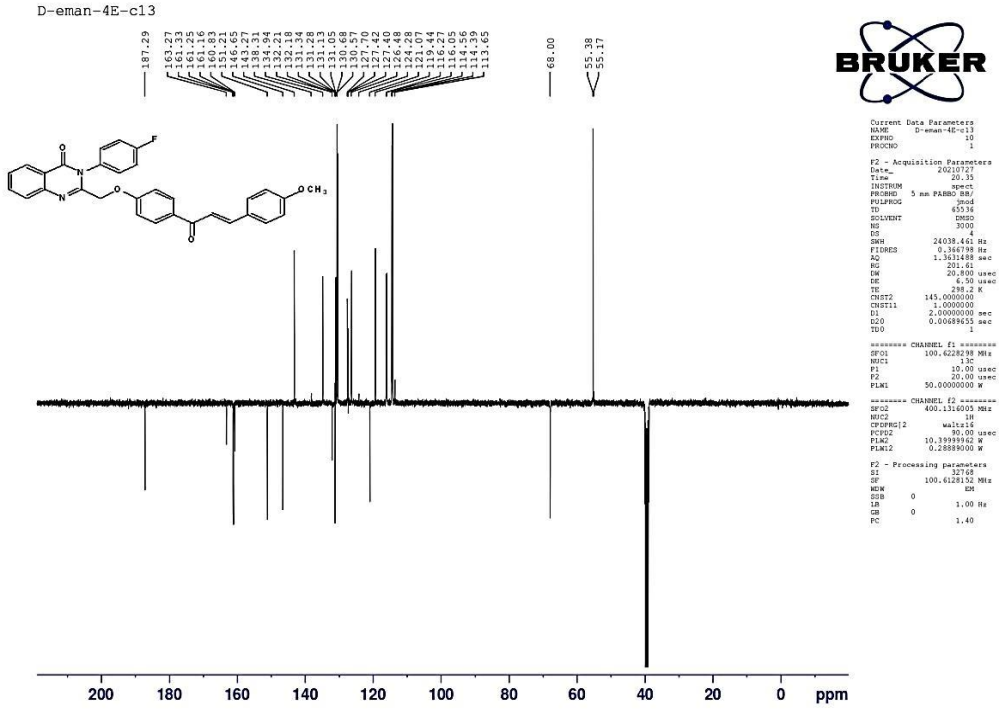


Mass Table
Line#:1 R.Time:2.9(Scan#:345)
MassPeaks:436
RawMode:Single 2.9(345) BasePeak:253(3334153)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	86385	2.59	4	53.00	23420	0.70	7	56.05	8847	0.27
2	51.00	107098	3.21	5	54.05	6944	0.21	8	57.00	30692	0.92
3	52.05	22026	0.66	6	55.00	29849	0.90	9	58.00	4121	0.12

(E)-3-(4-Fluorophenyl)-2-((4-(3-(4-methoxyphenyl)acryloyl)phenoxy)methyl)q-uinazolin-4(3H)-one (24).





21-Jan-07 17:24:49

Cairo University
Micro Analytical Center

DI Analysis
Shimadzu Qp-2010 Plus

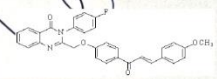
Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 05:21:01
Sample Name	: 4E
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\4E.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\4E.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 05:24:08

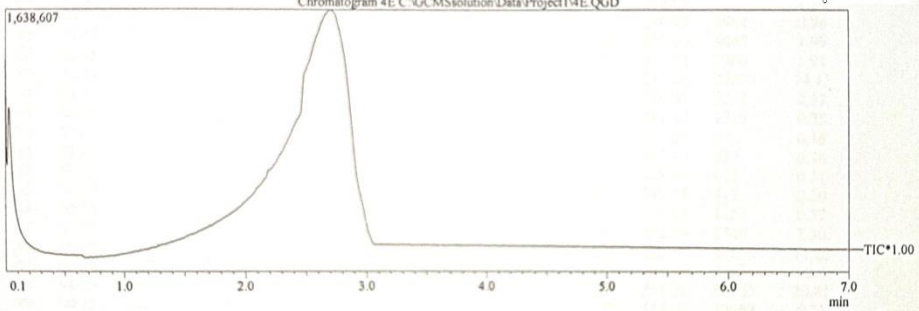
Method

===== Analytical Line 1 =====	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

C:\GCMSsolution\Data\Project1\4E.QGD

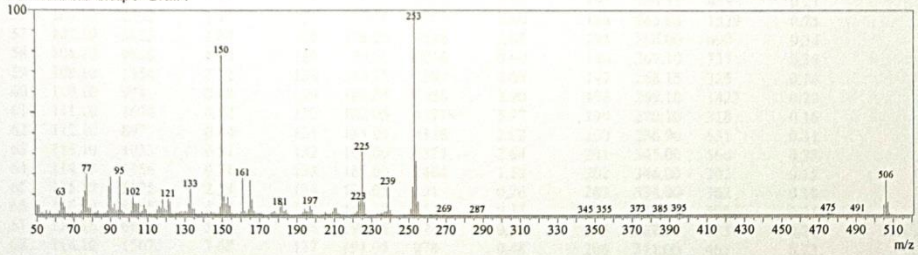


Chromatogram 4E C:\GCMSsolution\Data\Project1\4E.QGD



Spectrum

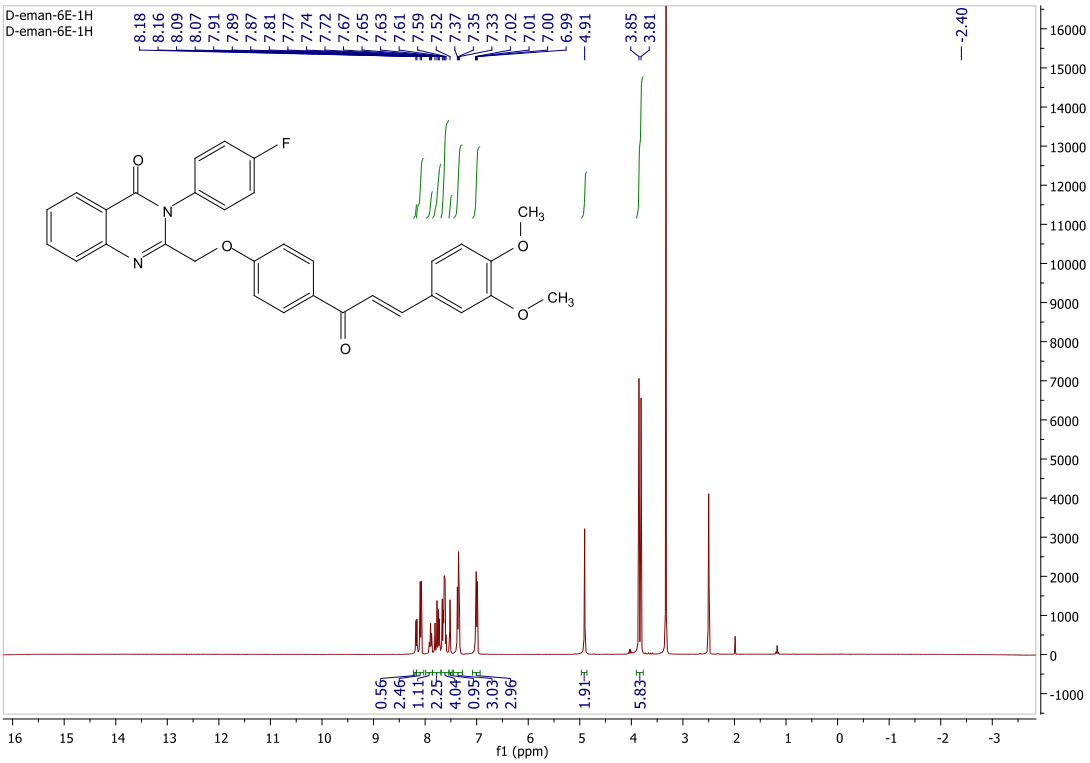
Line#:1 R.Time:2.7(Scan#:324)
MassPeaks:232
RawMode:Single 2.7(324) BasePeak:253(204044)
BG Mode:None Group 1 - Event 1

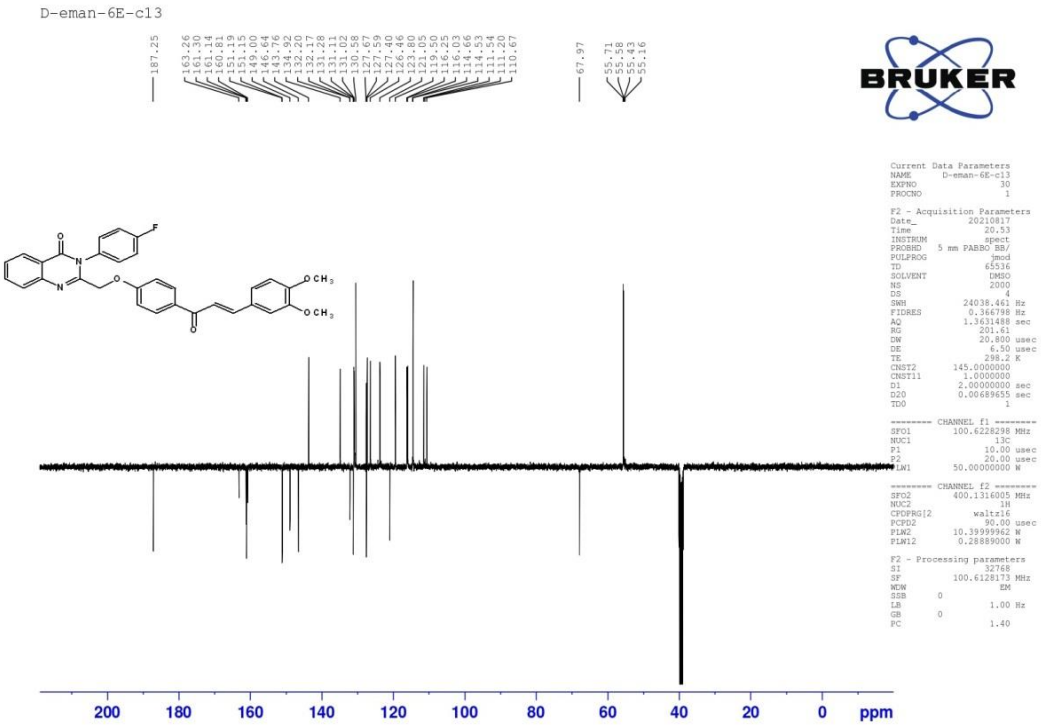


Mass Table
Line#:1 R.Time:2.7(Scan#:324)
MassPeaks:232
RawMode:Single 2.7(324) BasePeak:253(204044)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	9585	4.70	4	53.00	2638	1.29	7	56.05	1361	0.67
2	51.00	9975	4.89	5	54.05	1233	0.60	8	57.00	3884	1.90
3	52.05	2537	1.24	6	55.00	4466	2.19	9	57.95	613	0.30

(E)-2-((4-(3-(3,4-Dimethoxyphenyl)acryloyl)phenoxy)methyl)-3-(4-fluorophe-nyl)quinazolin-4(3H)-one (25).





21-Jan-07 17:37:40

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DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

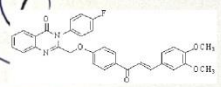
Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 05:33:10 م
Sample Name	: 6E
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\6E.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\6E.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 05:36:51 م

Method

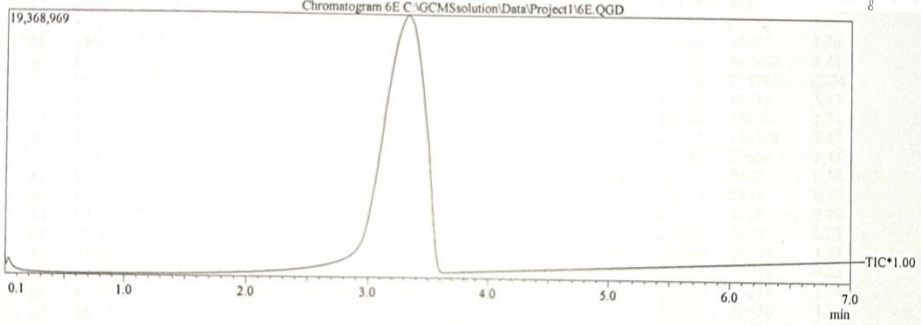
====== Analytical Line 1 ======

IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

C:\GCMSsolution\Data\Project1\6E.QGD

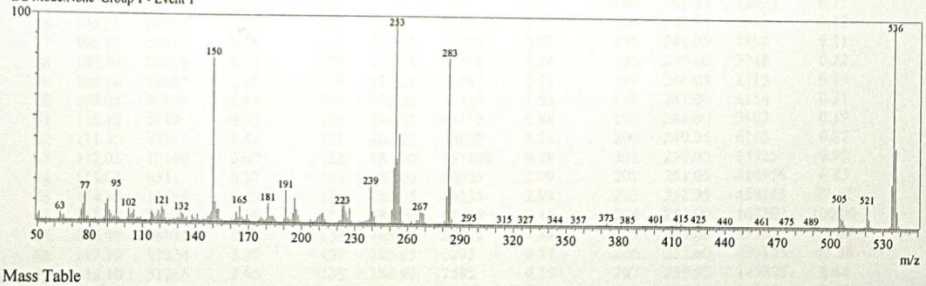


Chromatogram 6E C:\GCMSsolution\Data\Project1\6E.QGD



Spectrum

Line#:1 R.Time:3.3(Scan#:402)
MassPeaks:465
RawMode:Single 3.3(402) BasePeak:253(1683025)
BG Mode:None Group 1 - Event 1

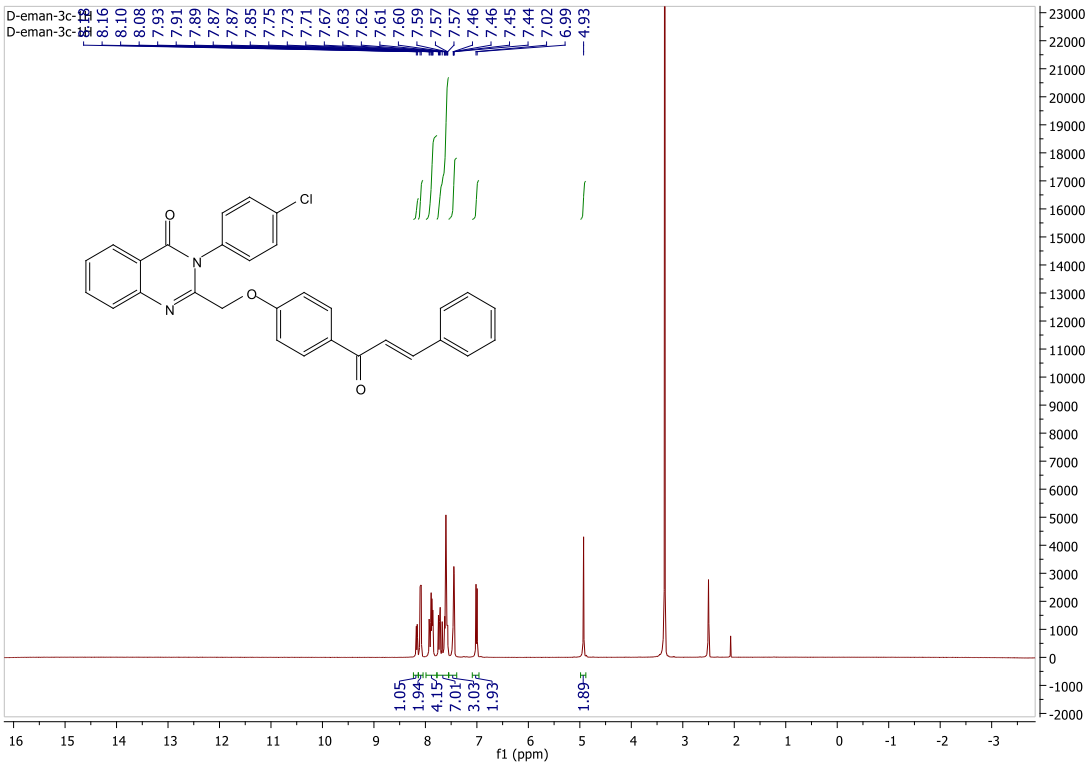


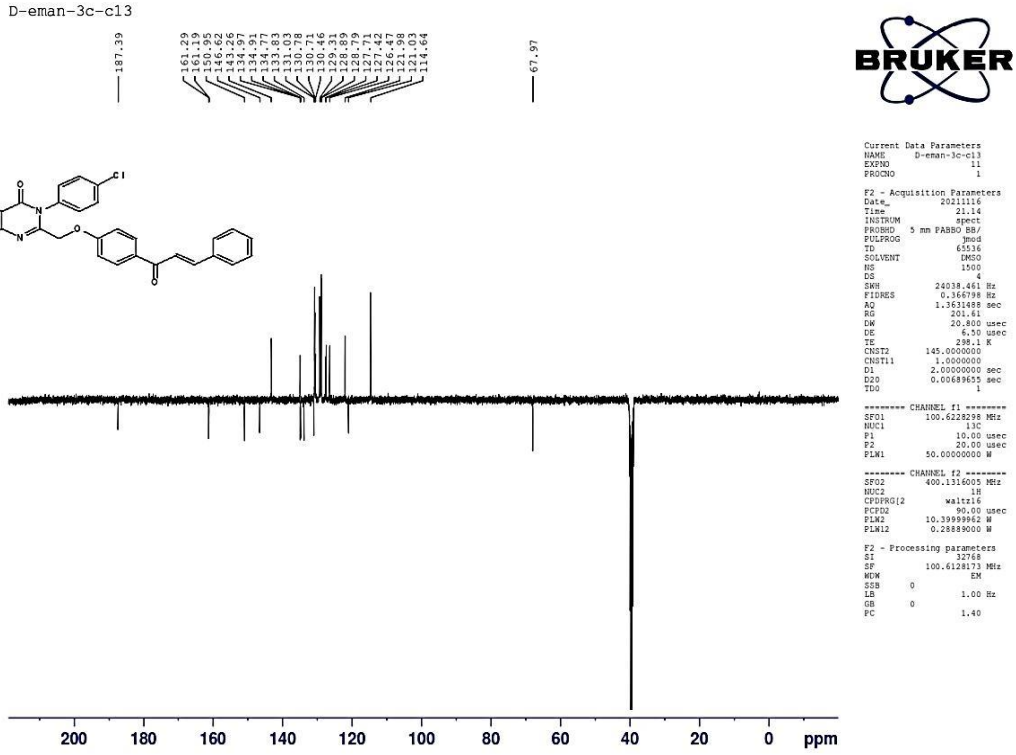
Mass Table

Line#:1 R.Time:3.3(Scan#:402)
MassPeaks:465
RawMode:Single 3.3(402) BasePeak:253(1683025)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	45487	2.70	4	53.00	14495	0.86	7	56.05	4669	0.28
2	51.00	69831	4.15	5	54.05	4429	0.26	8	57.00	15622	0.93
3	52.00	12178	0.72	6	55.00	22097	1.31	9	57.95	2172	0.13

(E)-3-(4-Chlorophenyl)-2-((4-cinnamoylphenoxy)methyl)quinazolin-4(3H)-one (26).






```
Current Data Parameters
NAME        D-eman-3c-c13
EXPNO                  11
PROCNO                  1

F2 - Acquisition Parameters
Date_           20211116
Time              21.14
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG             jmod
TD                 65536
SOLVENT             DMSO
NS                   1500
DS                      4
SWH           24038.461 Hz
FIDRES         0.366798 Hz
AQ             1.3631488 sec
RG                201.61
DW               20.800 usec
DE                6.50 usec
TE                298.1 K
CNST2         145.0000000
CNST11          1.0000000
D1              2.00000000 sec
D20             0.00689655 sec
TD0                     1

======== CHANNEL f1 ========
SFO1          100.6228298 MHz
NUC1                    13C
P1                    10.00 usec
P2                    20.00 usec
PLW1          50.00000000 W

======== CHANNEL f2 ========
SFO2          400.1316005 MHz
NUC2                    1H
CPDPRG[2          waltz16
PCPD2                90.00 usec
PLW2          10.39999962 W
PLW12          0.28889000 W

F2 - Processing parameters
SI                   32768
SF            100.6128173 MHz
WDW                     EM
SSB                     0
LB                   1.00 Hz
GB                      0
PC                   1.40
```

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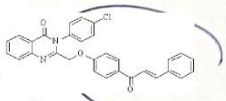
DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

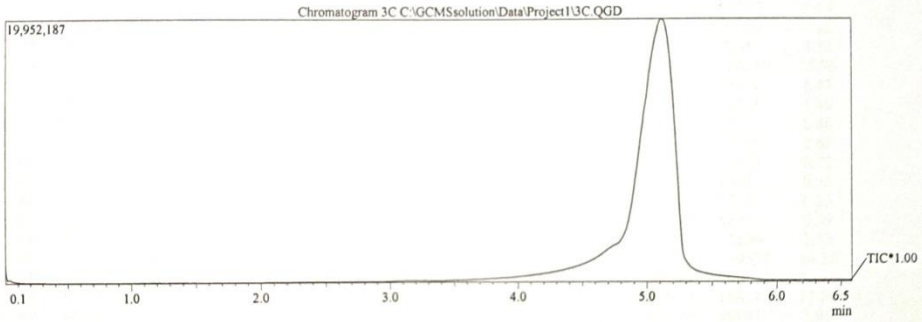
Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 03:06:07
Sample Name	: 3C
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\3C.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\3C.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 03:12:45

Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

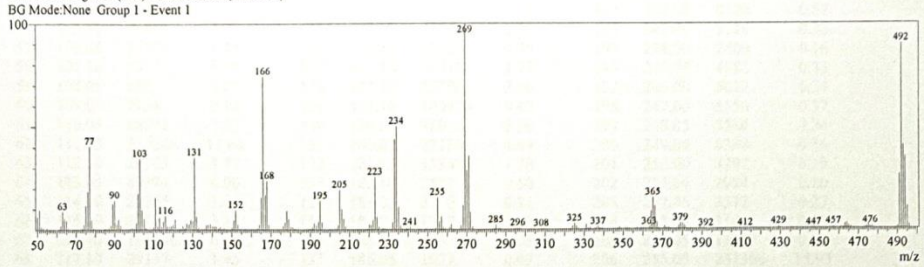


C:\GCMSsolution\Data\Project1\3C.QGD



Spectrum

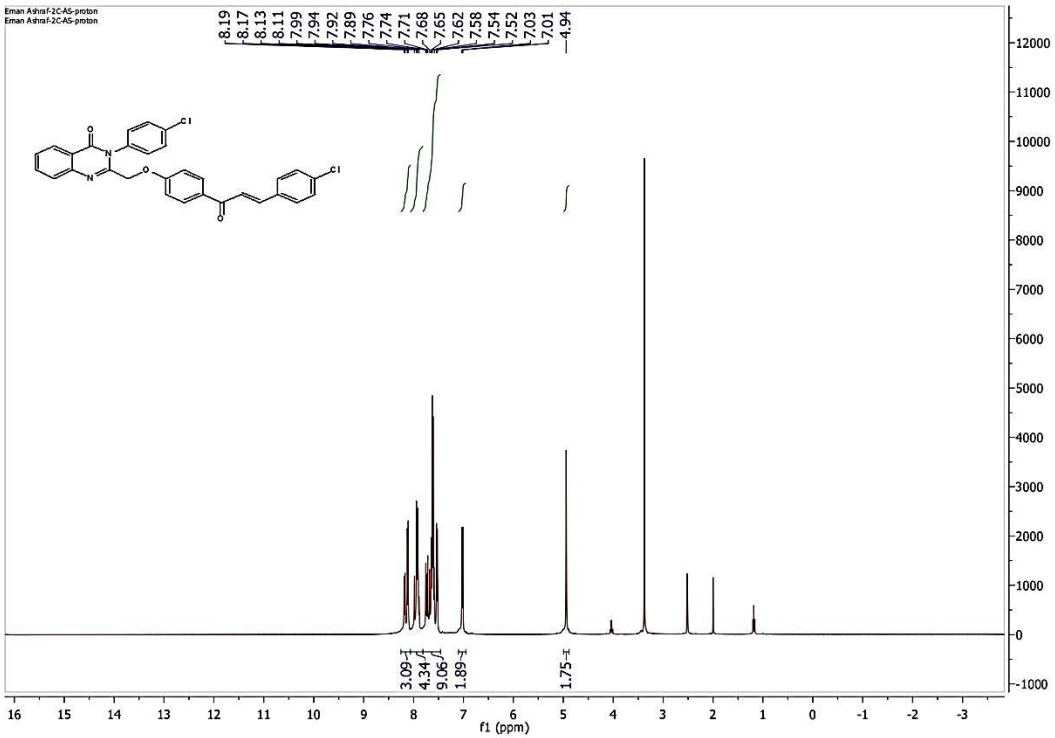
Line#:1 R.Time:5.1(Scan#:615)
MassPeaks:432
RawMode:Single 5.1(615) BasePeak:269(1489914)
BG Mode:None Group 1 - Event 1

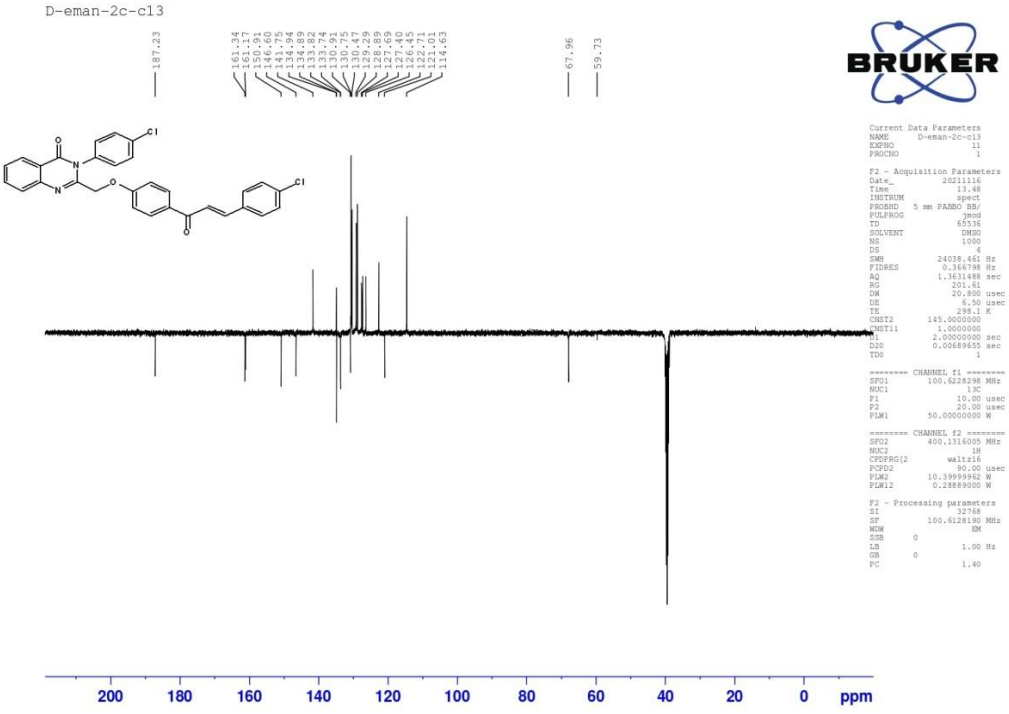


Mass Table
Line#:1 R.Time:5.1(Scan#:615)
MassPeaks:432
RawMode:Single 5.1(615) BasePeak:269(1489914)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	92734	6.22	4	53.00	15207	1.02	7	56.05	1400	0.09
2	51.00	144671	9.71	5	54.05	2462	0.17	8	57.10	2260	0.15
3	52.00	26276	1.76	6	55.00	12166	0.82	9	57.95	1046	0.07

(E)-3-(4-Chlorophenyl)-2-((4-(3-(4-chlorophenyl)acryloyl)phenoxy)methyl)quinazolin-4(3H)-one (27).





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DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

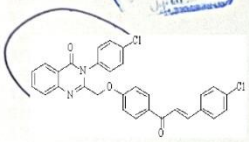
Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 02:51:46
Sample Name	: 2C
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\2C.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\2C.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$End1f$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 03:00:22

C:\GCMSsolution\Data\Project1\2C.QGD

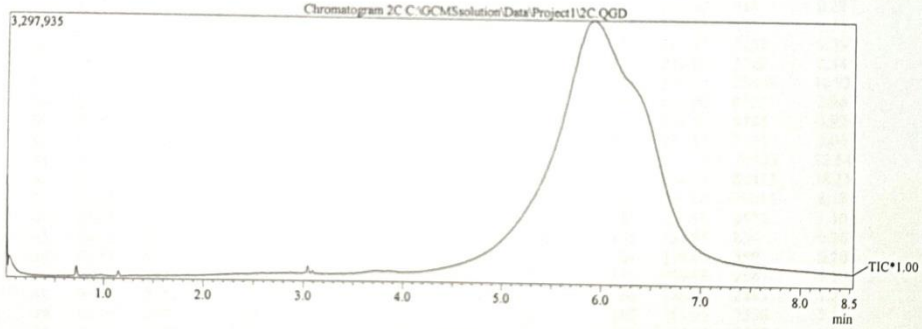
Method

===== Analytical Line 1 =====

IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

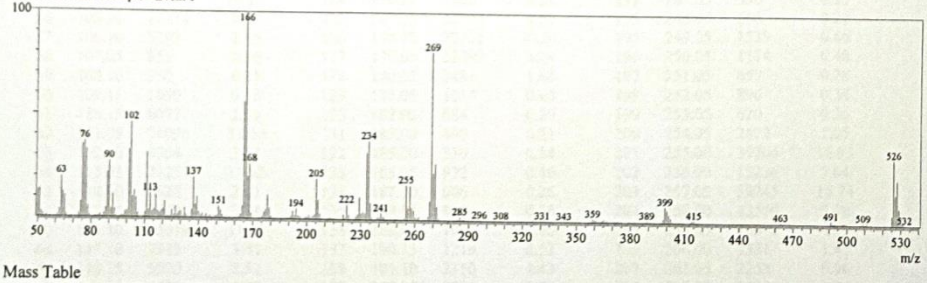


Chromatogram 2C C:\GCMSsolution\Data\Project1\2C.QGD



Spectrum

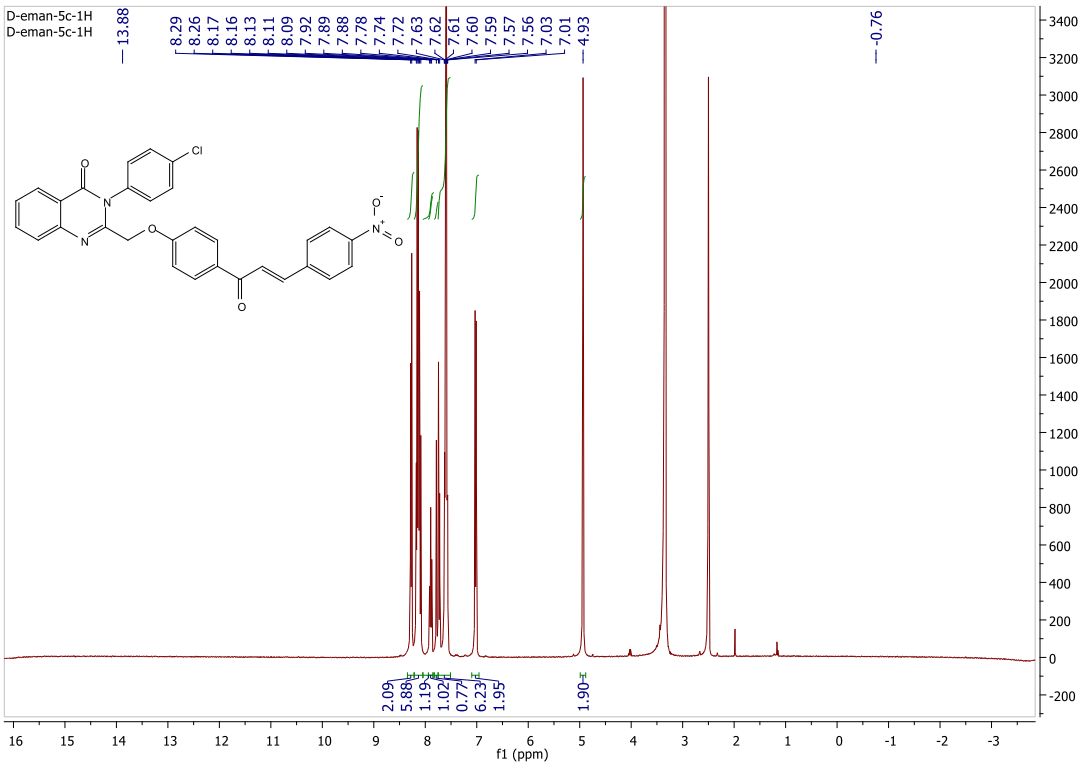
Line#:1 R.Time:5.9(Scan#:713)
MassPeaks:336
RawMode:Single 5.9(713) BasePeak:166(234482)
BG Mode:None Group 1 - Event 1

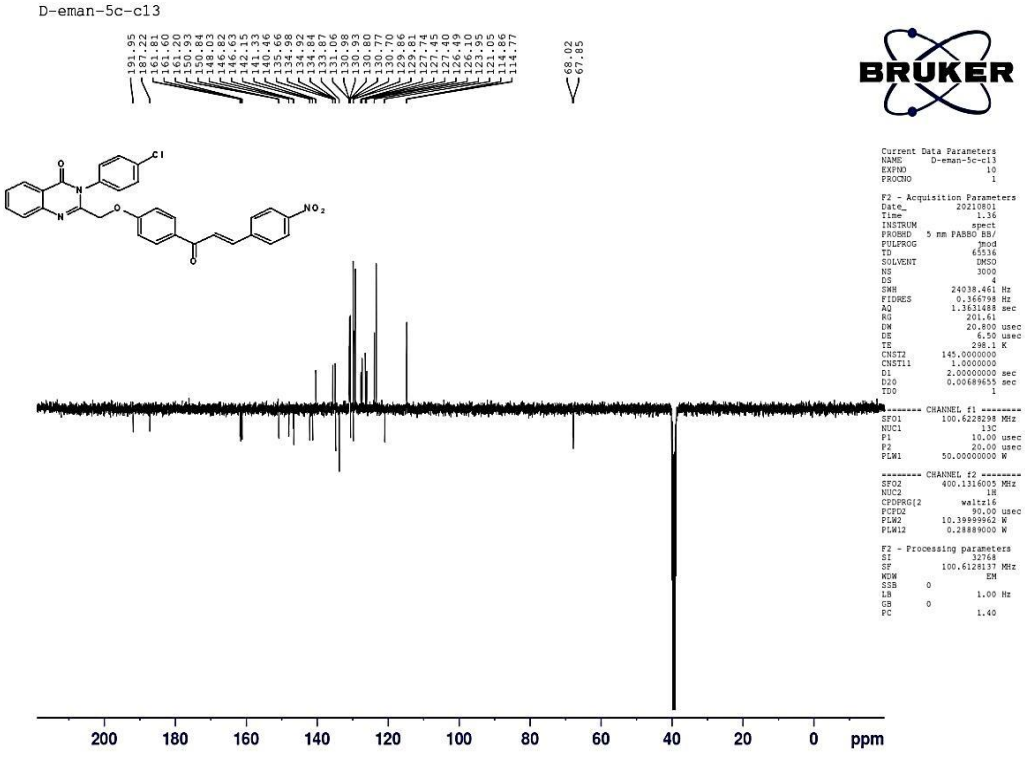


Mass Table
Line#:1 R.Time:5.9(Scan#:713)
MassPeaks:336
RawMode:Single 5.9(713) BasePeak:166(234482)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	31209	13.31	4	53.00	4252	1.81	7	56.10	706	0.30
2	51.00	32023	13.66	5	54.05	878	0.37	8	57.05	1317	0.56
3	52.00	6662	2.84	6	55.00	2596	1.11	9	58.15	428	0.18

(E)-3-(4-Chlorophenyl)-2-((4-(3-(4-nitrophenyl)acryloyl)phenoxy)methyl)qui-nazolin-4(3H)-one (28).





21-Jan-07 15:47:07

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Micro Analytical Center

DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 03:38:21
Sample Name	: 5C
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\5C.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\5C.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$End1f$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 03:46:29

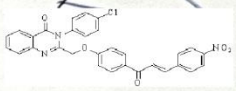
C:\GCMSsolution\Data\Project1\5C.QGD

Method

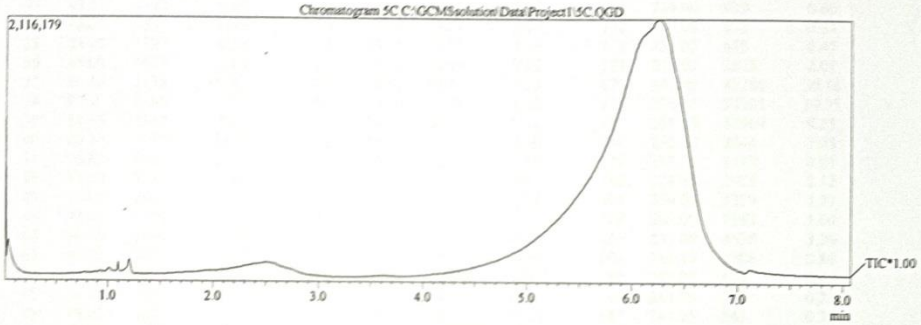
--- Analytical Line 1 ---
IonSourceTemp 250.00 °C
[MS Table]
--Group 1 - Event 1--

Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00

Electron Voltage : 70 eV
Ionization Mode : EI

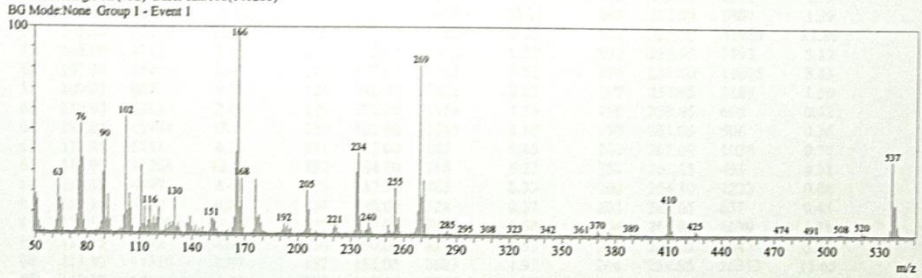


Chromatogram 5C C:\GCMSsolution\Data\Project1\5C.QGD



Spectrum

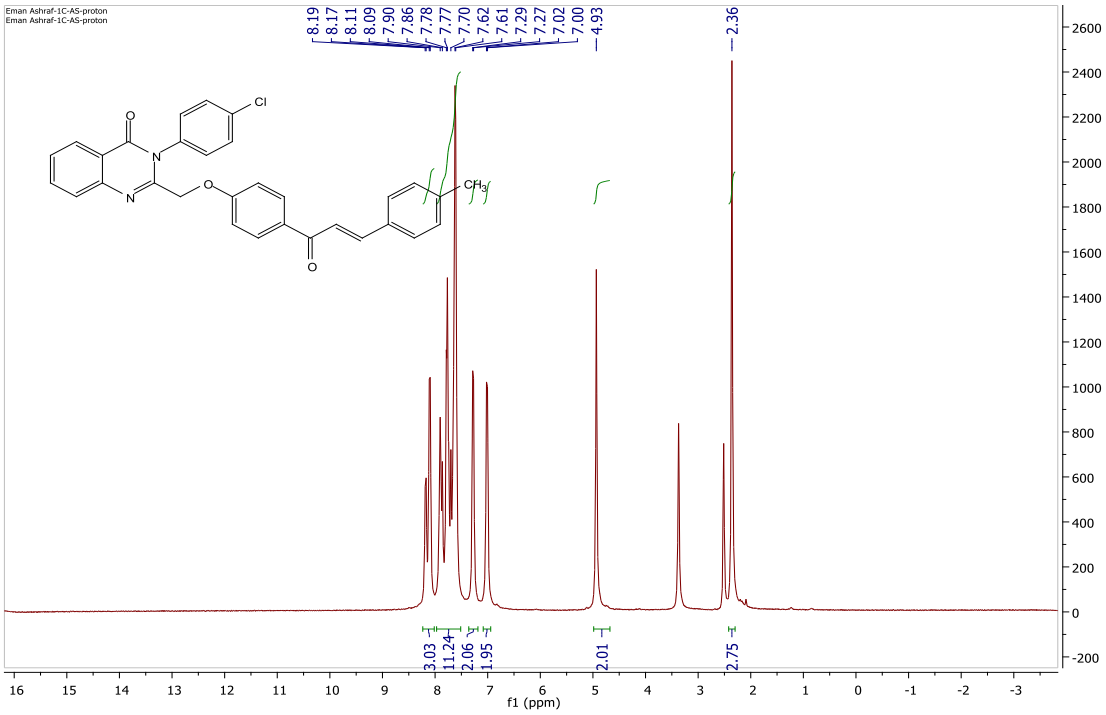
Line#:1 R.Time:6.3(Scan#:752)
MassPeaks:288
RawMode:Single 6.3(752) BasePeak:166(140206)
BG Mode:None Group 1 - Event 1

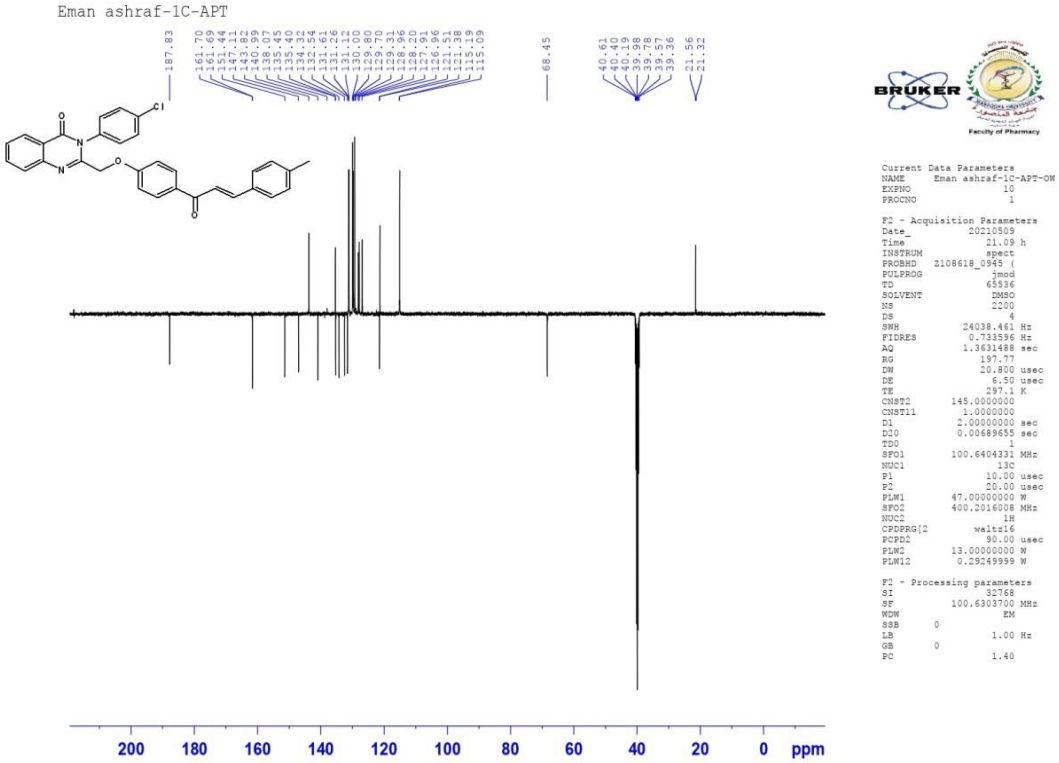


Mass Table
Line#:1 R.Time:6.3(Scan#:752)
MassPeaks:288
RawMode:Single 6.3(752) BasePeak:166(140206)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	26487	18.89	4	53.00	3479	2.48	7	56.05	608	0.43
2	51.00	22759	16.23	5	54.05	821	0.59	8	57.00	1023	0.73
3	52.05	7780	5.55	6	55.05	2161	1.54	9	58.00	340	0.24

(E)-3-(4-Chlorophenyl)-2-((4-(3-(ptolyl)acryloyl)phenoxy)methyl)quinazolin-4(3H)-one (29).






```
Current Data Parameters
NAME      Eman ashraf-1C-APT-OW
EXPNO                       10
PROCNO                       1

F2 - Acquisition Parameters
Date_              20210509
Time                 21.09 h
INSTRUM                spect
PROBHD   Z108618_0945 (
PULPROG                 jmod
TD                     65536
SOLVENT                DMSO
NS                      2200
DS                         4
SWH              24038.461 Hz
FIDRES               0.733596 Hz
AQ                1.3631488 sec
RG                   197.77
DW                   20.800 usec
DE                    6.50 usec
TE                   297.1 K
CNST2            145.0000000
CNST11             1.0000000
D1                 2.00000000 sec
D20                0.00689655 sec
TD0                        1
SFO1            100.6404331 MHz
NUC1                     13C
P1                    10.00 usec
P2                    20.00 usec
PLW1            47.00000000 W
SFO2            400.2016008 MHz
NUC2                     1H
CPDPRG[2              waltz16
PCPD2                 90.00 usec
PLW2            13.00000000 W
PLW12            0.29249999 W

F2 - Processing parameters
SI                     32768
SF              100.6303700 MHz
WDW                       EM
SSB          0
LB                     1.00 Hz
GB           0
PC                     1.40
```

21-Jan-07 14:43:31

Cairo University
Micro Analytical Center

DI Analysis
Shimadzu Qp-2010 Plus

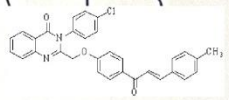
Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 02:32:20
Sample Name	: 1C
Sample ID	:
Customer Name	: Dr.Eman Asliraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\1C.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\1C.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$End If$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 02:40:52

Method

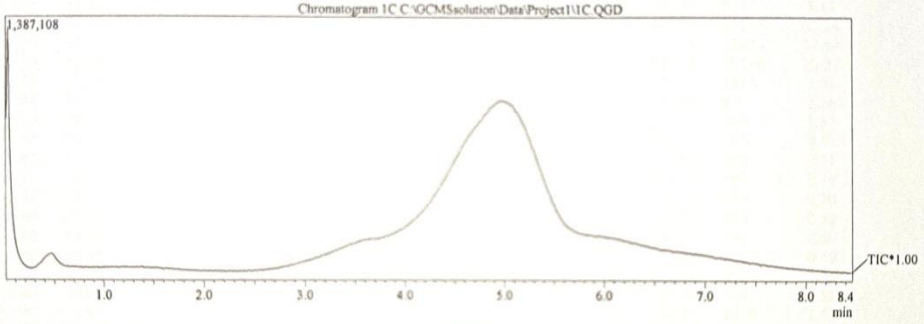
====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

Micro Analytical Center



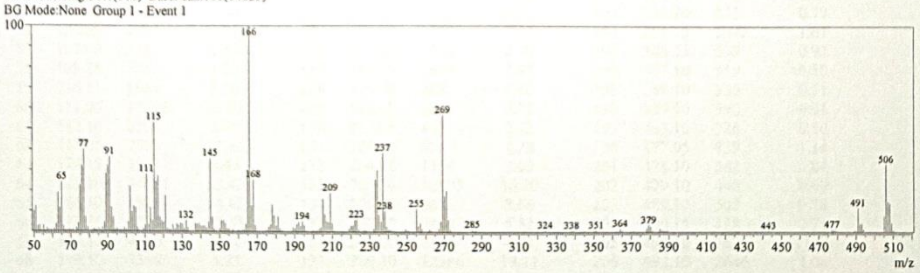
C:\GCMSsolution\Data\Project1\1C.QGD

Chromatogram 1C C:\GCMSsolution\Data\Project1\1C.QGD



Spectrum

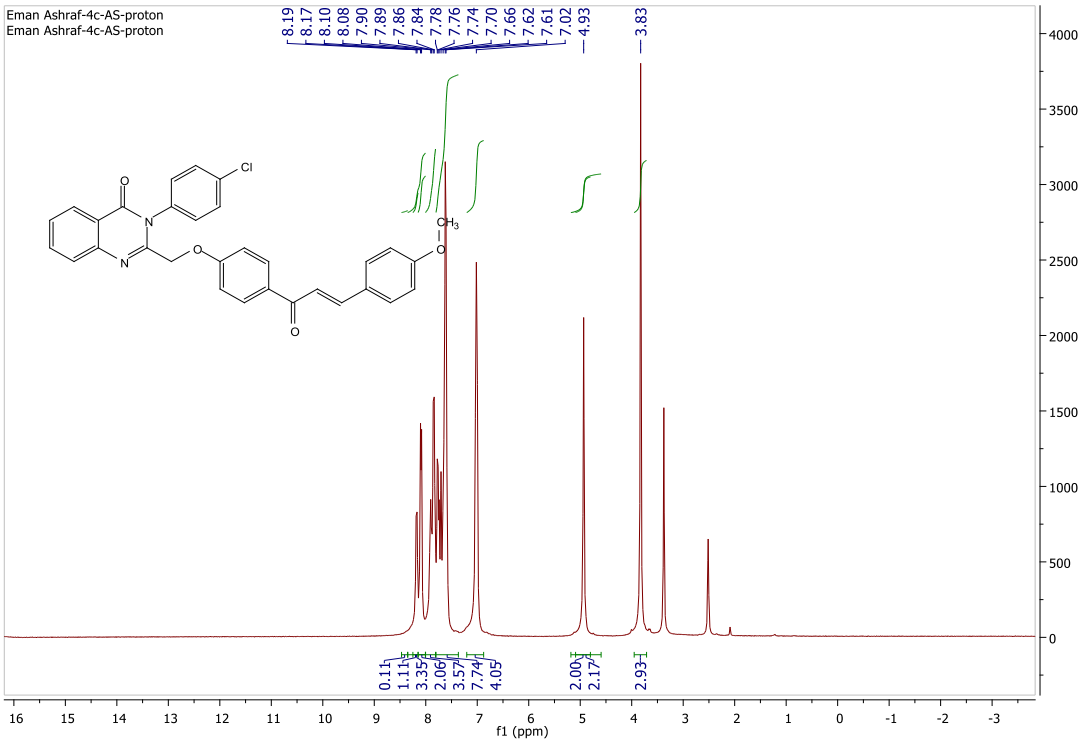
Line#:1 R.Time:5.1(Scan#:610)
MassPeaks:214
RawMode:Single 5.1(610) BasePeak:166(64825)
BG Mode:None Group 1 - Event 1

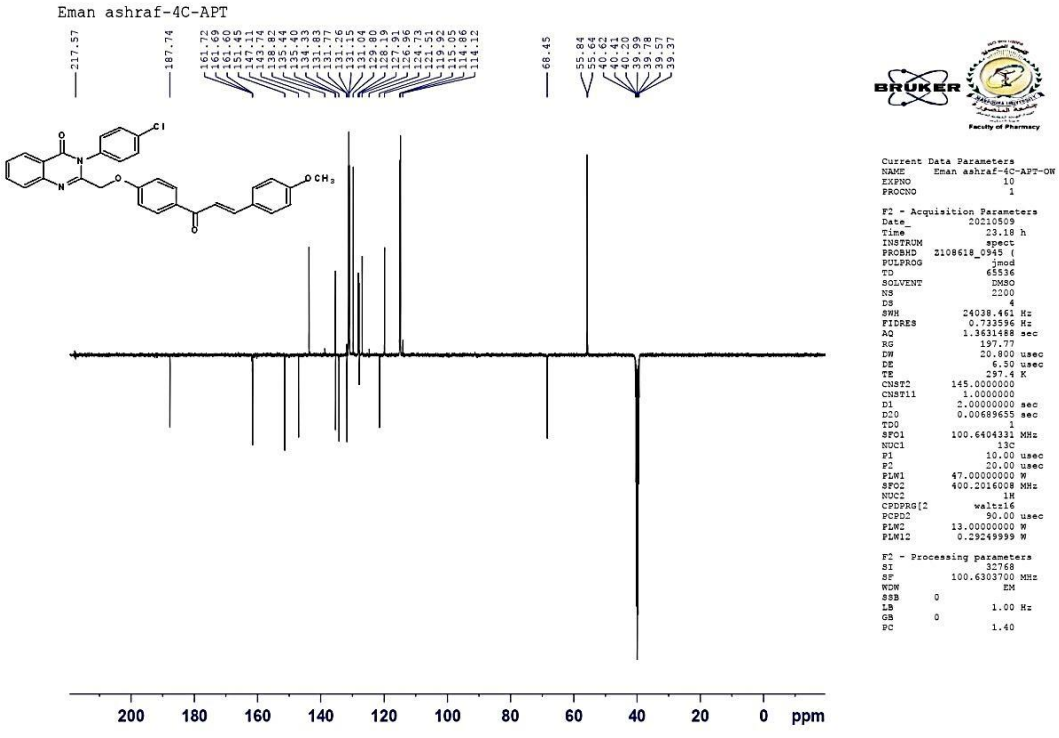


Mass Table
Line#:1 R.Time:5.1(Scan#:610)
MassPeaks:214
RawMode:Single 5.1(610) BasePeak:166(64825)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	6569	10.13	4	53.05	2065	3.19	7	56.10	351	0.54
2	51.00	8039	12.40	5	54.00	377	0.58	8	57.10	1100	1.70
3	52.05	1722	2.66	6	55.05	1942	3.00	9	58.10	375	0.58

(E)-3-(4-Chlorophenyl)-2-((4-(3-(4-methoxyphenyl)acryloyl)phenoxy)methyl) quinazolin-4(3H)-one (30).






```
Current Data Parameters
NAME      Eman ashraf-4C-APT-OW
EXPNO                       10
PROCNO                       1

F2 - Acquisition Parameters
Date_             20210509
Time                23.18 h
INSTRUM               spect
PROBHD   Z108618_0945 (
PULPROG               jmod
TD                   65536
SOLVENT                DMSO
NS                     2200
DS                        4
SWH               24038.461 Hz
FIDRES            0.733596 Hz
AQ                1.3631488 sec
RG                   197.77
DW                  20.800 usec
DE                   6.50 usec
TE                  297.4 K
CNST2             145.0000000
CNST11              1.0000000
D1                  2.00000000 sec
D20                 0.00689655 sec
TD0                          1
SFO1             100.6404331 MHz
NUC1                      13C
P1                       10.00 usec
P2                       20.00 usec
PLW1             47.00000000 W
SFO2             400.2016008 MHz
NUC2                      1H
CPDPRG[2              waltz16
PCPD2                    90.00 usec
PLW2             13.00000000 W
PLW12             0.29249999 W

F2 - Processing parameters
SI                       32768
SF               100.6303700 MHz
WDW                         EM
SSB          0
LB                    1.00 Hz
GB           0
PC                    1.40
```

21-Jan-07 15:30:52

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DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

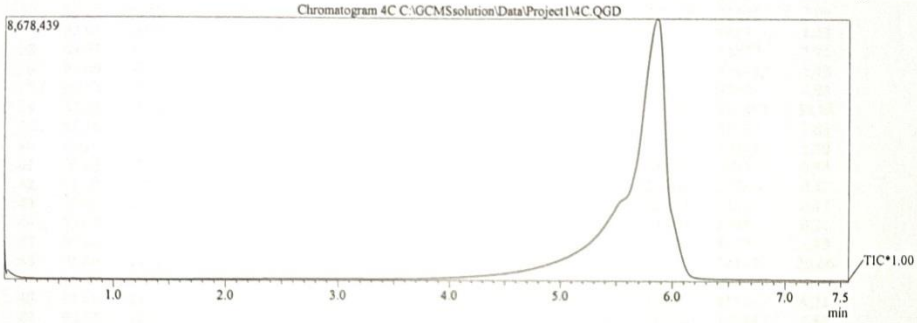
Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 03:21:41
Sample Name	: 4C
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\4C.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\4C.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 03:29:18

Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

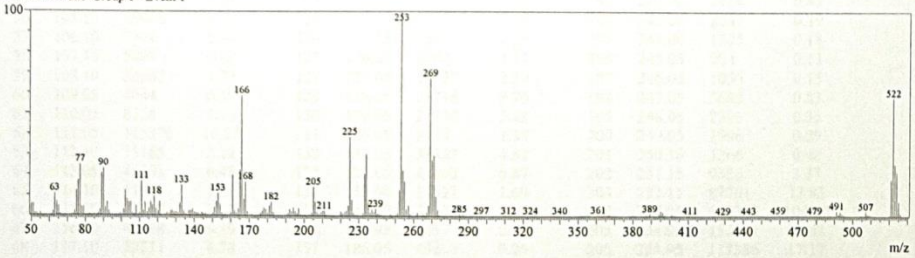
C:\GCMSsolution\Data\Project1\4C.QGD

Chromatogram 4C C:\GCMSsolution\Data\Project1\4C.QGD



Spectrum

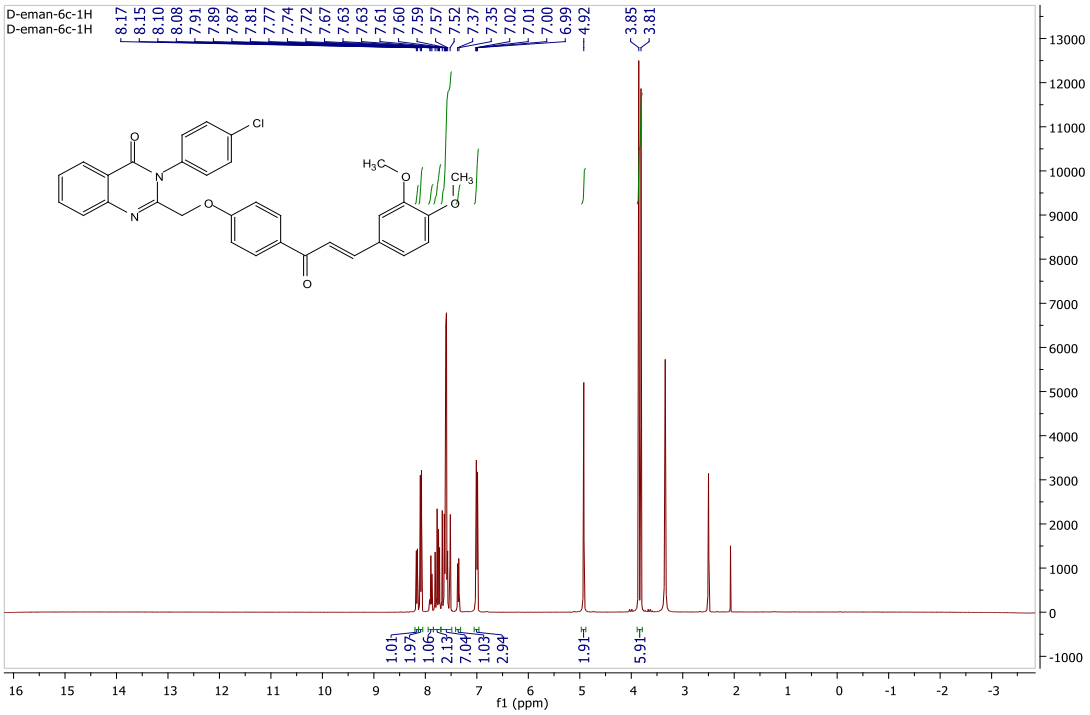
Line#:1 R.Time:5.8(Scan#:700)
MassPeaks:419
RawMode:Single 5.8(700) BasePeak:253(683733)
BG Mode:None Group 1 - Event 1

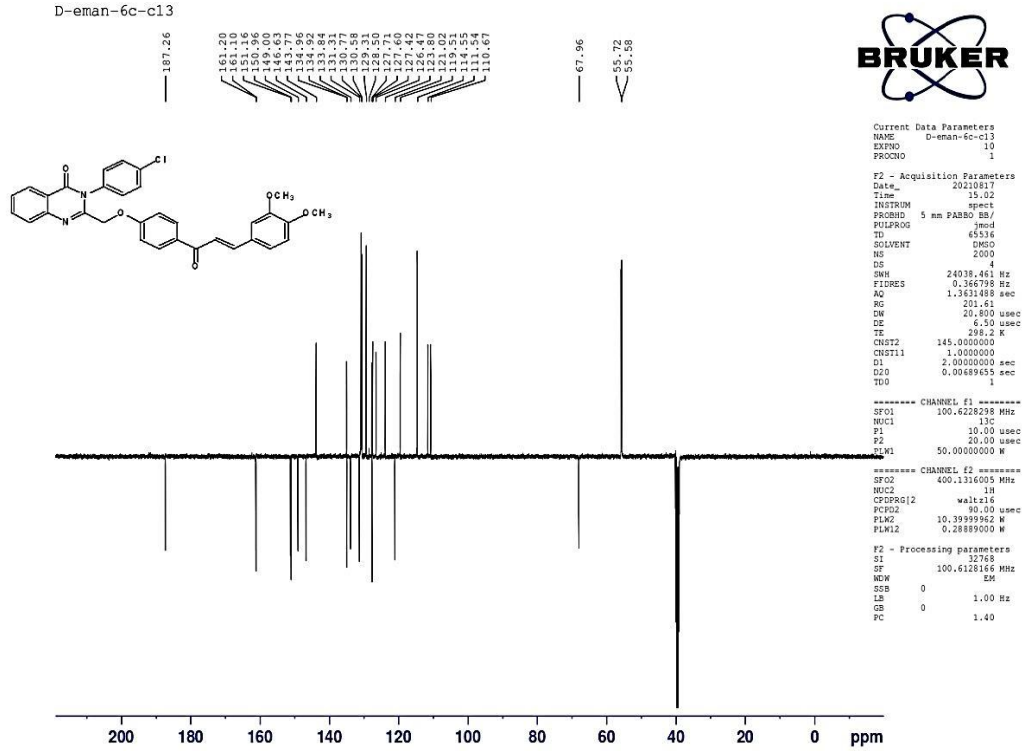


Mass Table
Line#:1 R.Time:5.8(Scan#:700)
MassPeaks:419
RawMode:Single 5.8(700) BasePeak:253(683733)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	39106	5.72	4	53.00	8422	1.23	7	56.00	1270	0.19
2	51.00	39983	5.85	5	54.05	1726	0.25	8	57.00	2228	0.33
3	52.05	8953	1.31	6	55.00	9764	1.43	9	58.05	673	0.10

(E)-3-(4-Chlorophenyl)-2-((4-(3-(3,4-dimethoxyphenyl)acryloyl)phenoxy)me-thyl)quinazolin-4(3H)-one (31).





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DI Analysis
Shimadzu Qp-2010 Plus

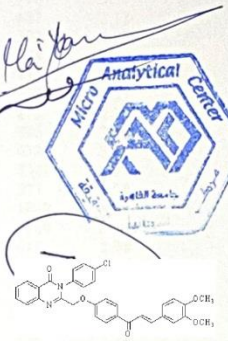
Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 03:55:41
Sample Name	: 6C
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\6C.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\6C.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 04:03:26

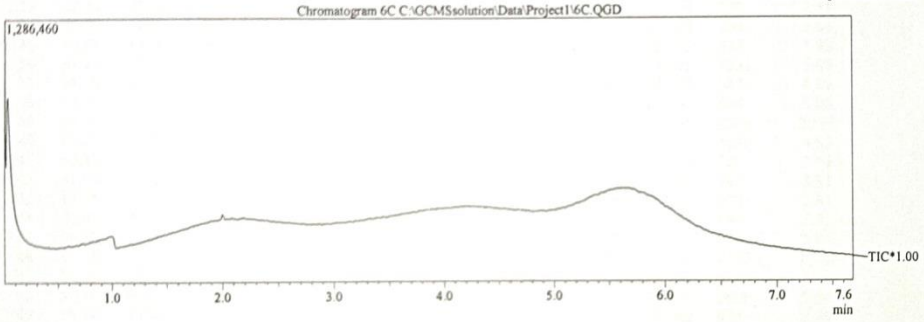
Method

——— Analytical Line 1 ———	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

C:\GCMSsolution\Data\Project1\6C.QGD

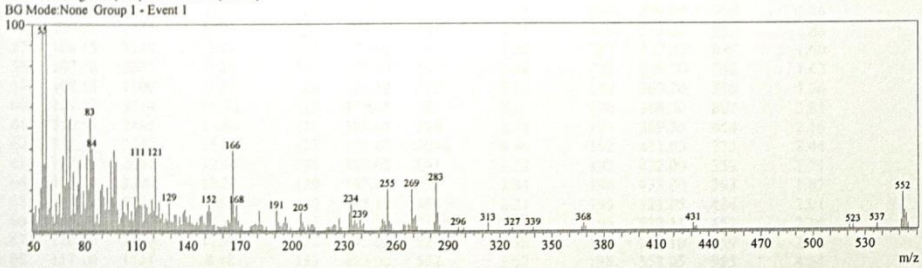


Chromatogram 6C C:\GCMSsolution\Data\Project1\6C.QGD



Spectrum

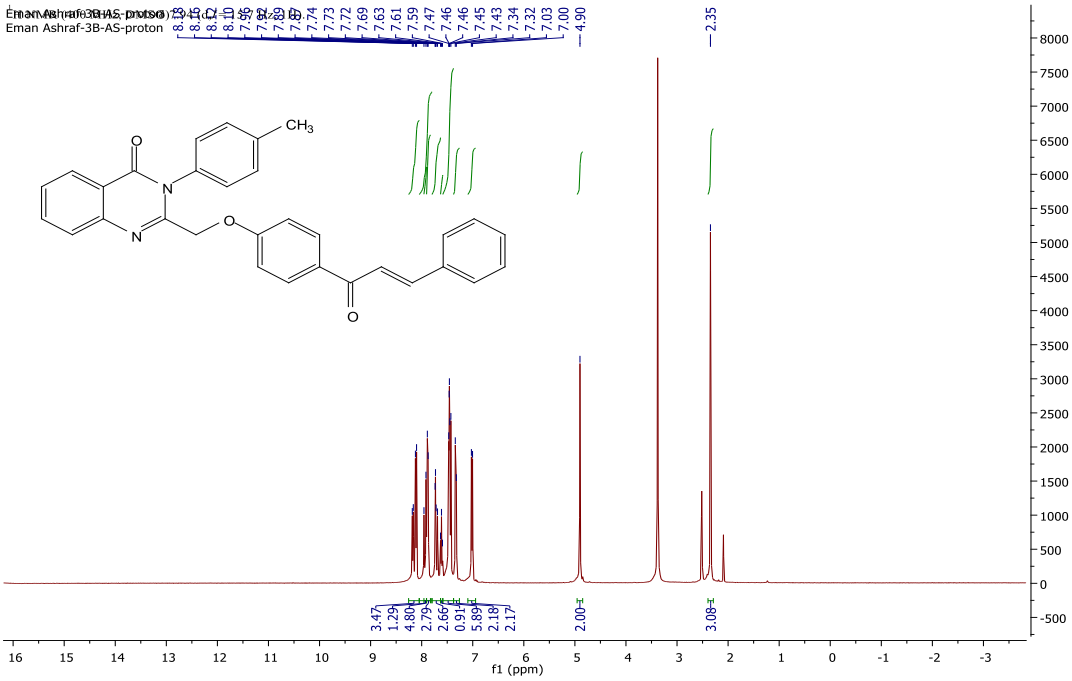
Line#:1 R.Time:5.6(Scan#:675)
MassPeaks:202
RawMode:Single 5.6(675) BasePeak:57(21045)
BG Mode:None Group 1 - Event 1

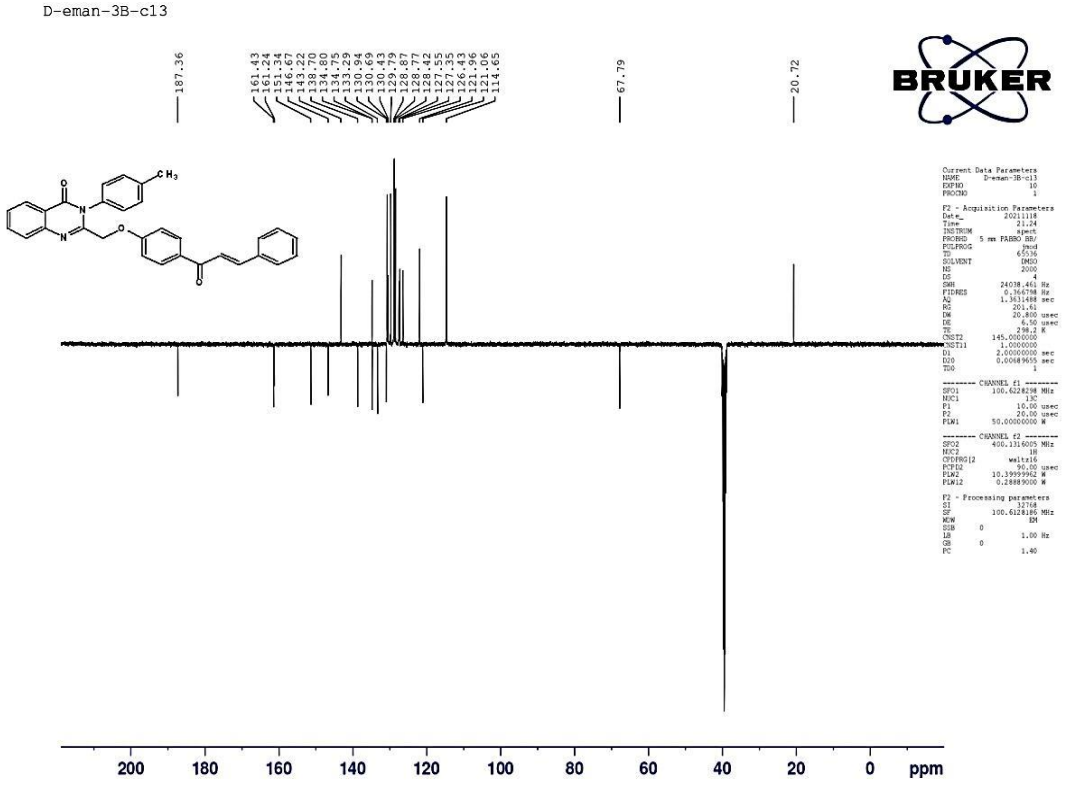


Mass Table
Line#:1 R.Time:5.6(Scan#:675)
MassPeaks:202
RawMode:Single 5.6(675) BasePeak:57(21045)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	1879	8.93	4	53.05	2419	11.49	7	56.10	6863	32.61
2	51.00	2689	12.78	5	54.05	4439	21.09	8	57.05	21045	100.00
3	52.00	862	4.10	6	55.05	20436	97.11	9	58.05	1702	8.09

(E)-2-((4-Cinnamoylphenoxy)methyl)-3-(p-tolyl)quinazolin-4(3H)-one (32).





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DI Analysis
Shimadzu Qp-2010 Plus

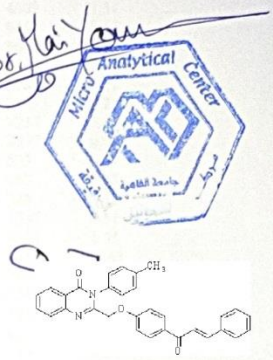
Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 01:31:51
Sample Name	: 3B
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\3B.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\3B.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 01:38:57

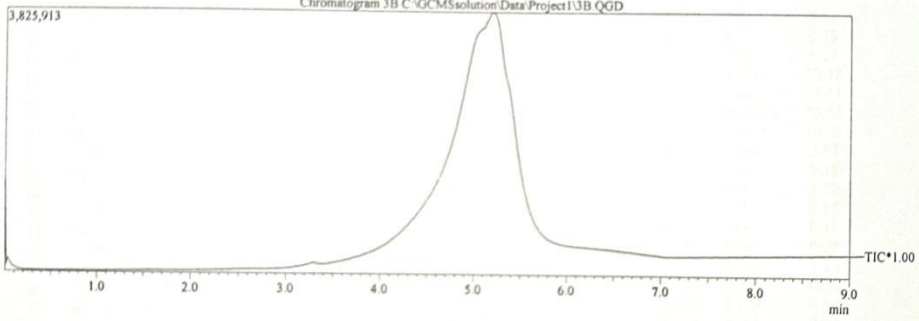
Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

C:\GCMSsolution\Data\Project1\3B.QGD

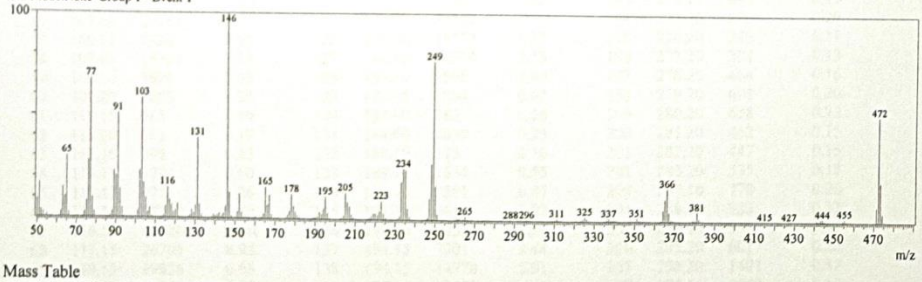


Chromatogram 3B C:\GCMSsolution\Data\Project1\3B.QGD



Spectrum

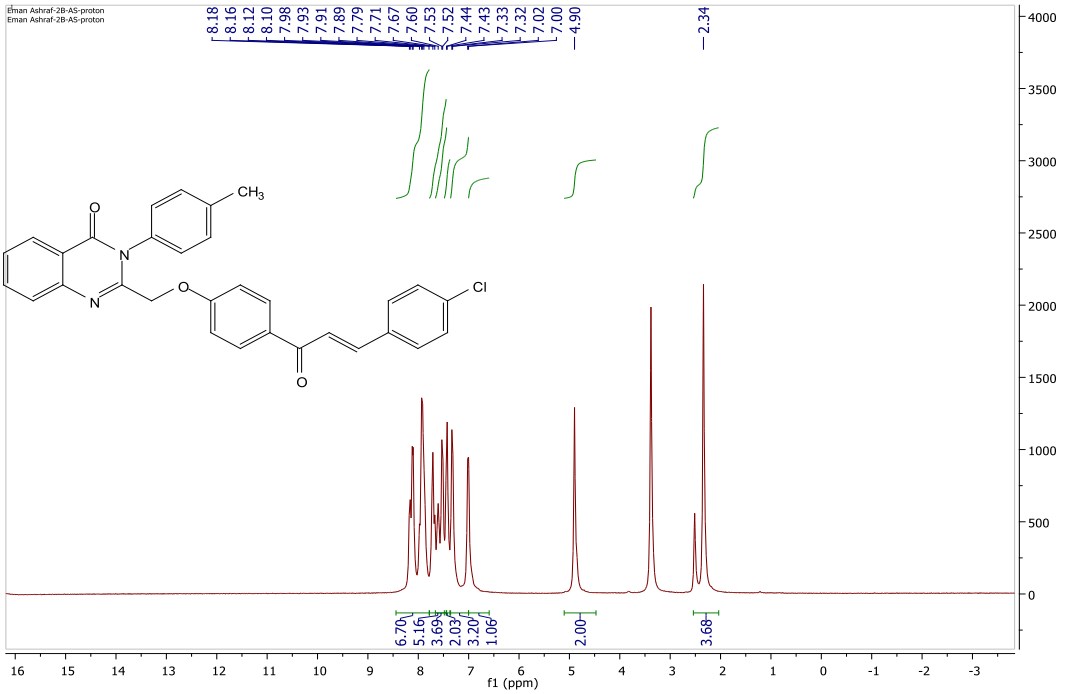
Line#:1 R.Time:5.2(Scan#:626)
MassPeaks:279
RawMode:Single 5.2(626) BasePeak:146(299257)
BG Mode:None Group 1 - Event 1

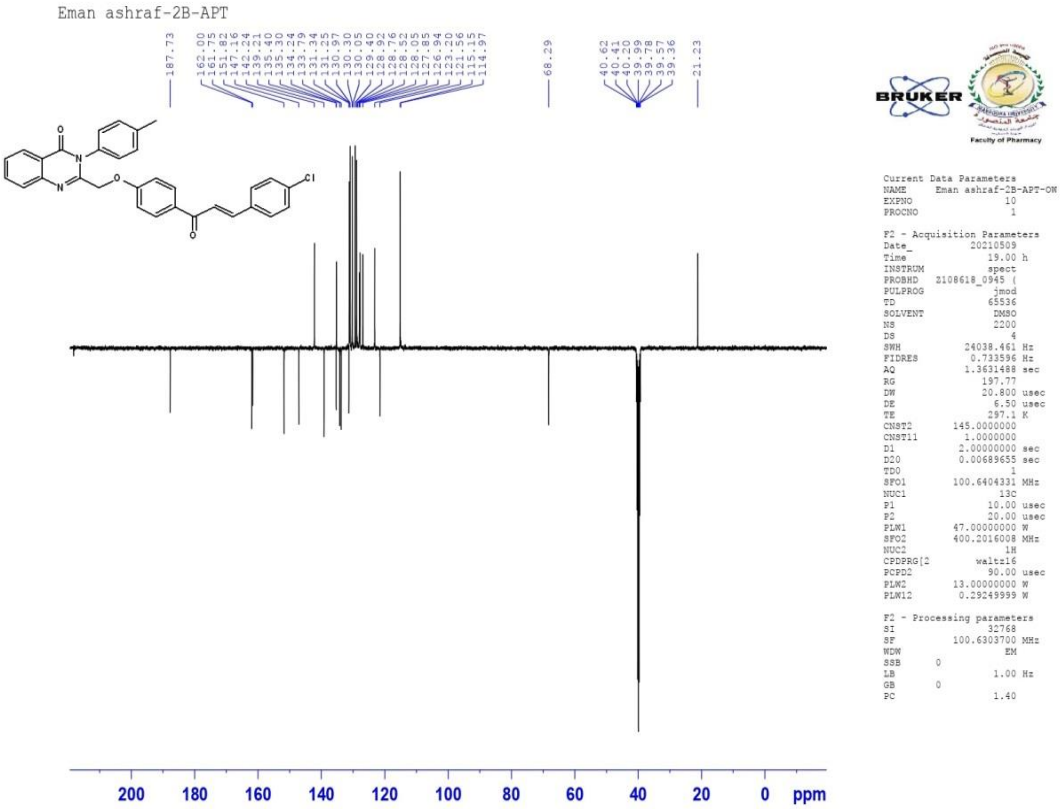


Mass Table
Line#:1 R.Time:5.2(Scan#:626)
MassPeaks:279
RawMode:Single 5.2(626) BasePeak:146(299257)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.05	26963	9.01	4	53.05	8608	2.88	7	56.05	916	0.31
2	51.05	51134	17.09	5	54.05	1472	0.49	8	57.10	1906	0.64
3	52.05	11959	4.00	6	55.05	5146	1.72	9	58.05	395	0.13

(E)-2-((4-(3-(4-Chlorophenyl)acryloyl)phenoxy)methyl)-3-(p-tolyl)quinazolin-4(3H)-one (33).






```
Current Data Parameters
NAME      Eman ashraf-2B-APT-OW
EXPNO                 10
PROCNO                 1

F2 - Acquisition Parameters
Date_           20210509
Time                19.00 h
INSTRUM             spect
PROBHD   2108618_0945 (
PULPROG             jmod
TD                 65536
SOLVENT             DMSO
NS                  2200
DS                     4
SWH             24038.461 Hz
FIDRES              0.733596 Hz
AQ                  1.3631488 sec
RG                  197.77
DW                  20.800 usec
DE                   6.50 usec
TE                  297.1 K
CNST2          145.0000000
CNST11           1.0000000
D1               2.00000000 sec
D20              0.00689655 sec
TD0                    1
SFO1           100.6404331 MHz
NUC1                  13C
P1                  10.00 usec
P2                  20.00 usec
PLW1           47.00000000 W
SFO2           400.2016008 MHz
NUC2                  1H
CPDPRG[2          waltz16
PCPD2               90.00 usec
PLW2           13.00000000 W
PLW12           0.29249999 W

F2 - Processing parameters
SI                  32768
SF             100.6303700 MHz
WDW                   EM
SSB       0
LB                  1.00 Hz
GB        0
PC                  1.40
```

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Micro Analytical Center

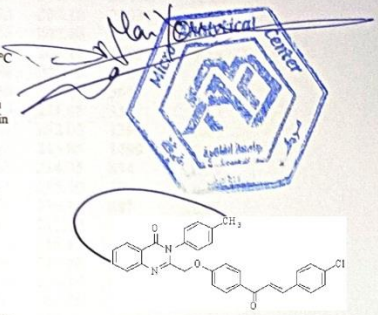
DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 01:18:19
Sample Name	: 2B
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\2B.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\2B.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$End If$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 01:25:36

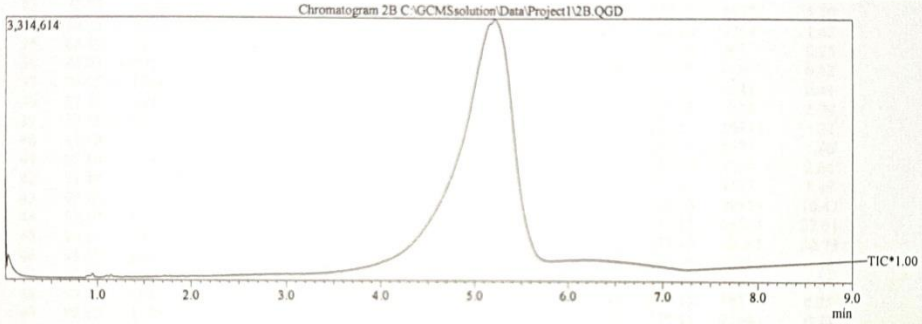
Method

Analytical Line 1	
IonSourceTemp	:250.00 °C
[MS Table]	
–Group 1 - Event 1–	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI



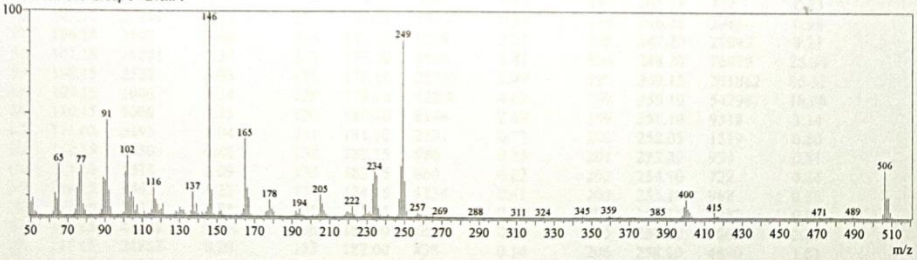
C:\GCMSsolution\Data\Project1\2B.QGD

Chromatogram 2B C:\GCMSsolution\Data\Project1\2B.QGD



Spectrum

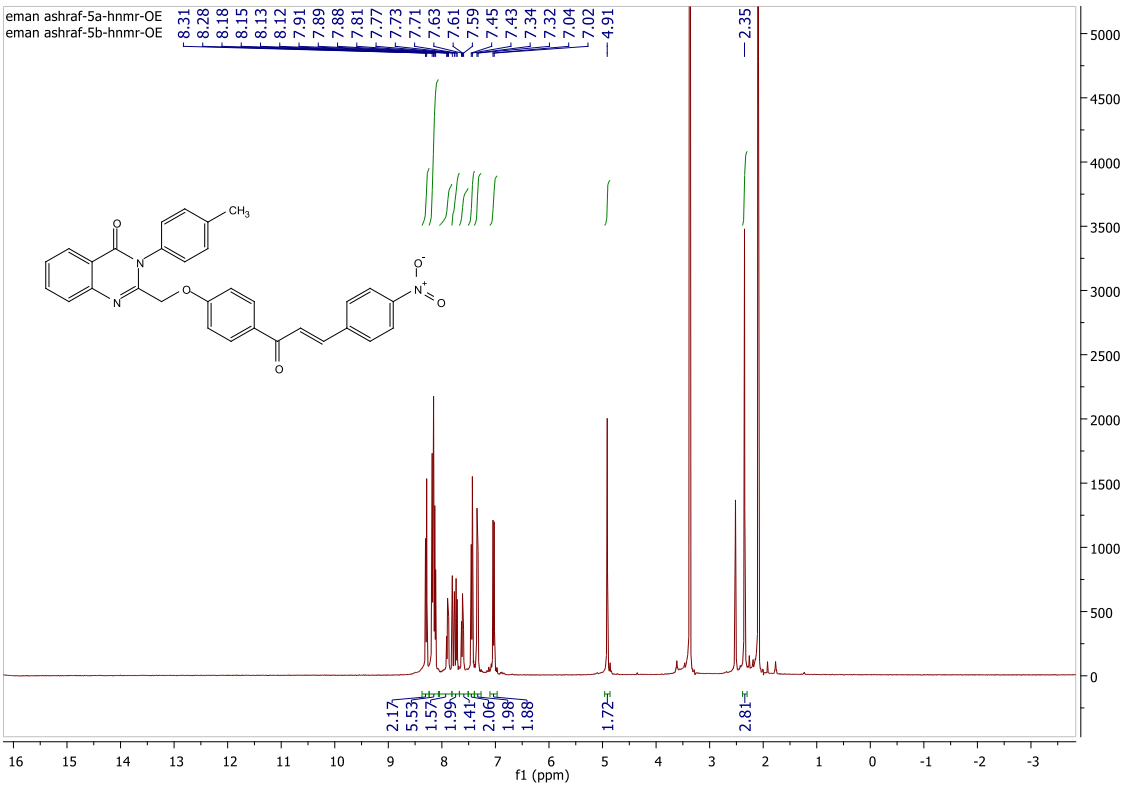
Line#:1 R.Time:5.2(Scan#:622)
MassPeaks:318
RawMode:Single 5.2(622) BasePeak:146(303353)
BG Mode:None Group 1 - Event 1

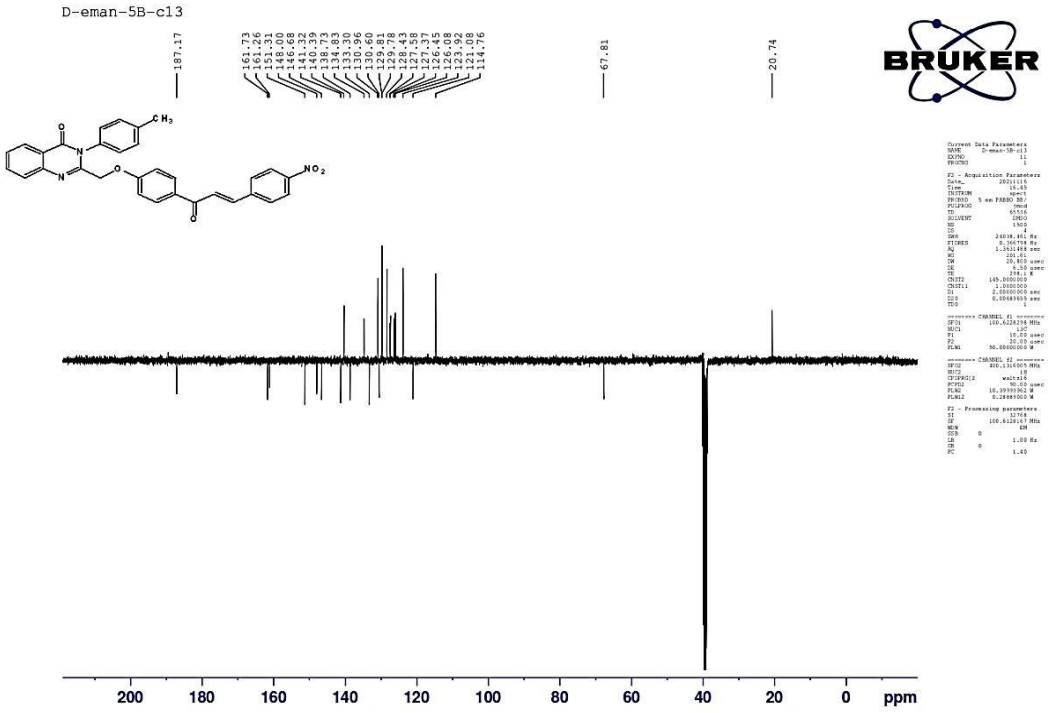


Mass Table
Line#:1 R.Time:5.2(Scan#:622)
MassPeaks:318
RawMode:Single 5.2(622) BasePeak:146(303353)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	20220	6.67	4	53.05	5500	1.81	7	56.10	799	0.26
2	51.00	27562	9.09	5	54.10	1177	0.39	8	57.05	1611	0.53
3	52.05	7366	2.43	6	55.05	2701	0.89	9	58.05	346	0.11

(E)-2-((4-(3-(4-Nitrophenyl)acryloyl)phenoxy)methyl)-3-(p-tolyl)quinazolin-4(3H)-one (34).





21-Jan-07 14:12:40

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DI Analysis
Shimadzu Qp-2010 Plus

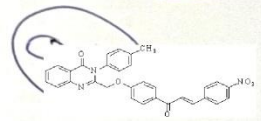
Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 02:02:13
Sample Name	: 5B
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\5B.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\5B.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$End If$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 02:10:43

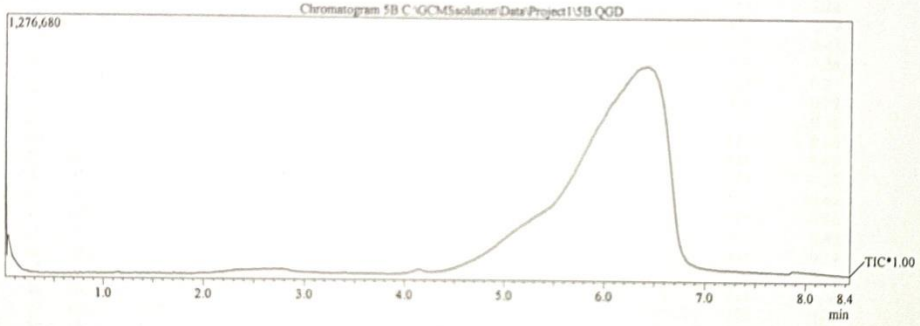
Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 ℃
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

C:\GCMSsolution\Data\Project1\5B.QGD

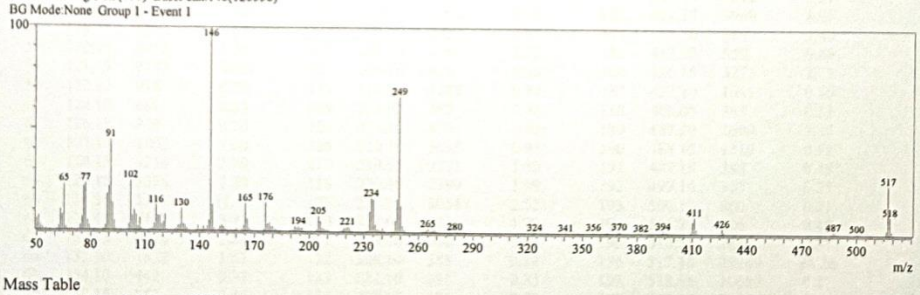


Chromatogram 5B C:\GCMSsolution\Data\Project1\5B.QGD



Spectrum

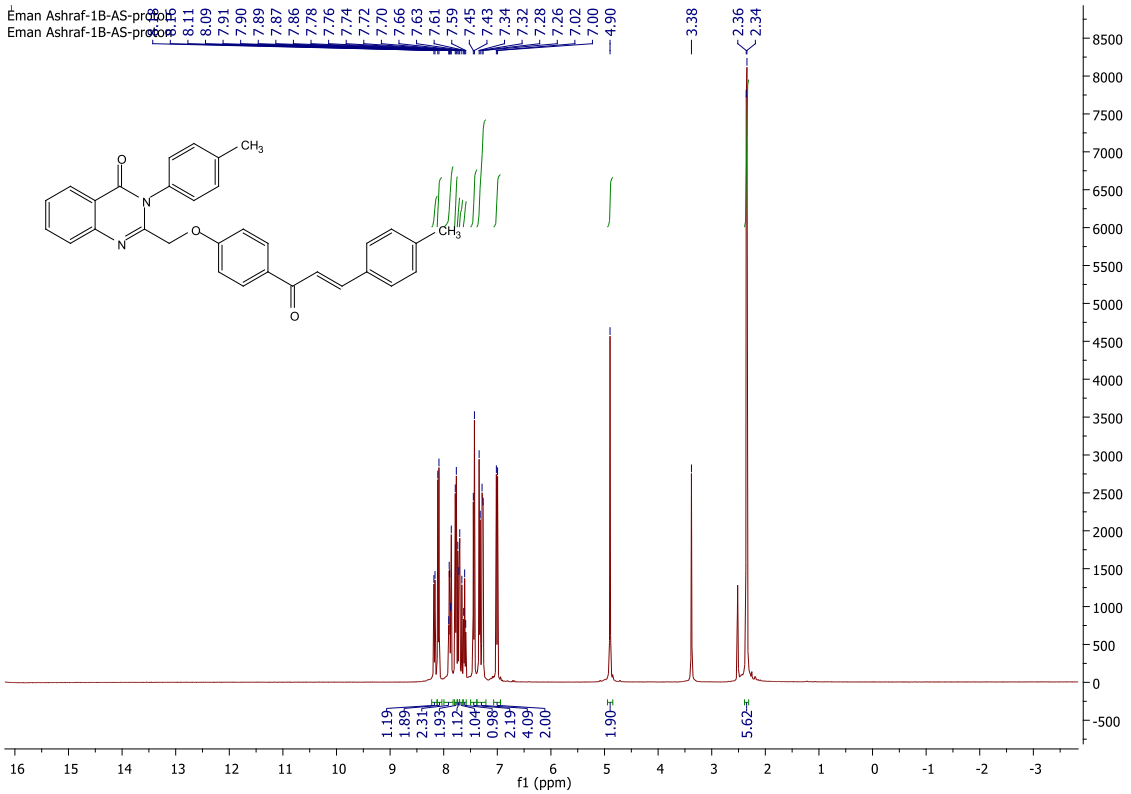
Line#:1 R.Time:6.5(Scan#:777)
MassPeaks:199
RawMode:Single 6.5(777) BasePeak:146(120556)
BG Mode:None Group 1 - Event 1

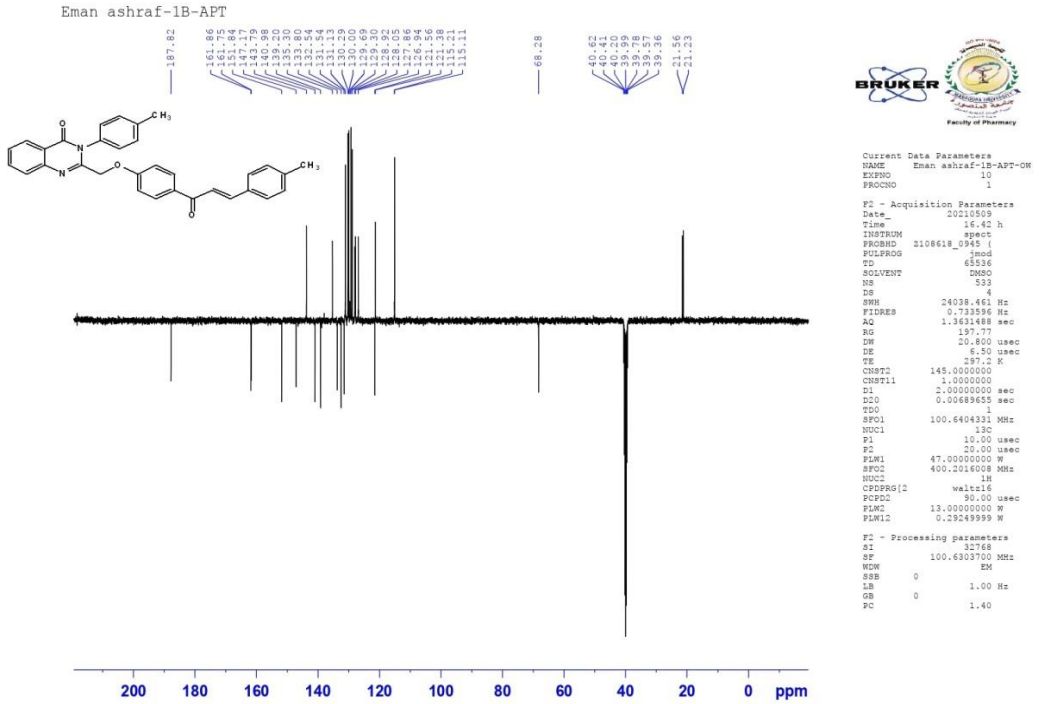


Mass Table
Line#:1 R.Time:6.5(Scan#:777)
MassPeaks:199
RawMode:Single 6.5(777) BasePeak:146(120556)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	7015	5.82	4	53.05	2162	1.79	7	57.05	595	0.49
2	51.00	8663	7.19	5	54.05	534	0.44	8	61.15	395	0.33
3	52.05	3510	2.91	6	55.00	1039	0.86	9	62.15	2519	2.09

(E)-3-(p-Tolyl)-2-((4-(3-(p-tolyl)acryloyl)phenoxy)methyl)quinazolin-4(3H)-one (35).






```
Current Data Parameters
NAME      Eman ashraf-1B-APT-OM
EXPNO                 10
PROCNO                 1

F2 - Acquisition Parameters
Date_           20210509
Time              16.42 h
INSTRUM             spect
PROBHD   2108618_0945 (
PULPROG          zgpg
TD                65536
SOLVENT            DMSO
NS                   533
DS                     4
SWH           24038.461 Hz
FIDRES         0.733596 Hz
AQ             1.3631488 sec
RG                197.77
DW                20.800 usec
DE                 6.50 usec
TE                297.2 K
CNST2         145.0000000
CNST11          1.0000000
D1              2.00000000 sec
D20             0.00689655 sec
TD0                    1
SFO1          100.6404331 MHz
NUC1                  13C
P1                 10.00 usec
P2                 20.00 usec
PLW1          47.00000000 W
SFO2          400.2016008 MHz
NUC2                  1H
CPDPRG[2         waltz16
PCPD2              90.00 usec
PLW2          13.00000000 W
PLW12          0.29249999 W

F2 - Processing parameters
SI                 32768
SF            100.6303700 MHz
WDW                   EM
SSB                    0
LB                  1.00 Hz
GB                     0
PC                  1.40
```

Cairo University
Micro Analytical Center

DI Analysis
Shimadzu Qp-2010 Plus

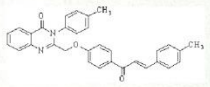
Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 01:06:30
Sample Name	: 1B
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\1B.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\1B.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 01:11:16

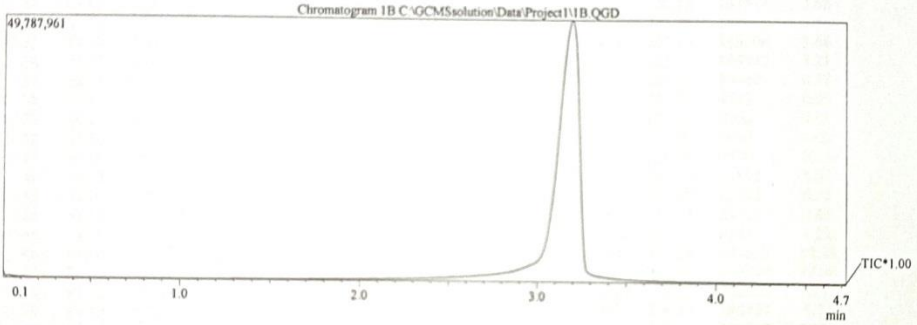
Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

C:\GCMSsolution\Data\Project1\1B.QGD

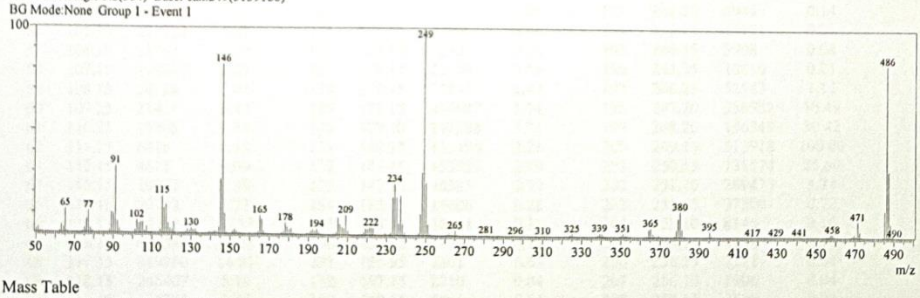


Chromatogram 1B C:\GCMSsolution\Data\Project1\1B.QGD



Spectrum

Line#:1 R.Time:3.2(Scan#:384)
MassPeaks:441
RawMode:Single 3.2(384) BasePeak:249(5139186)
BG Mode:None Group 1 - Event 1

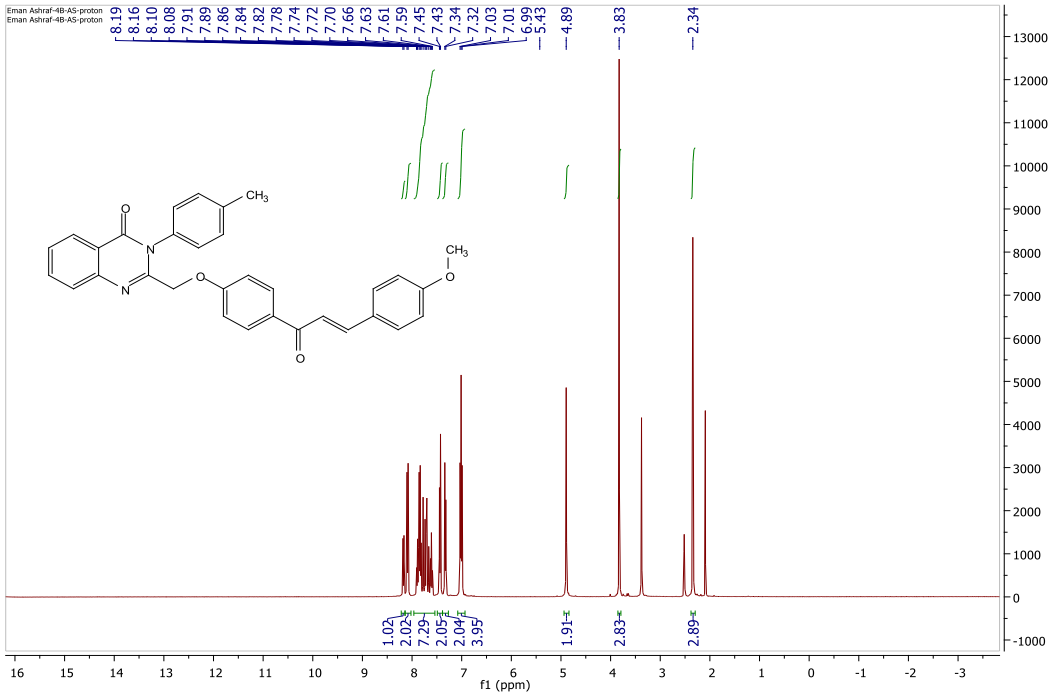


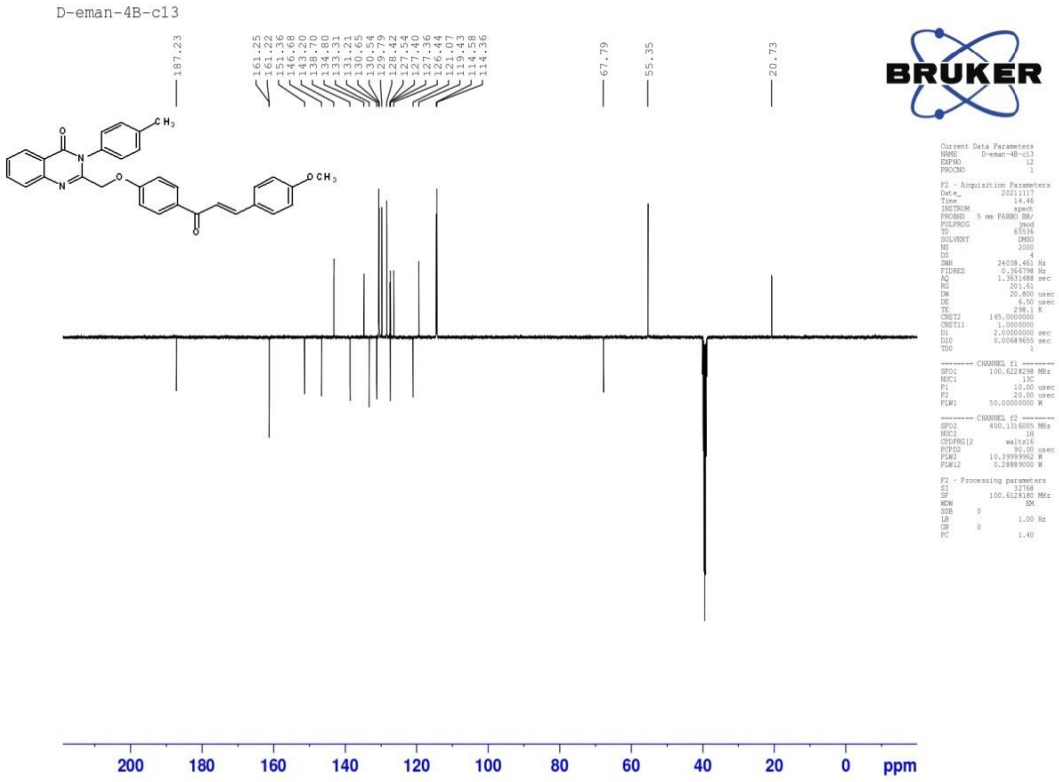
Mass Table

Line#:1 R.Time:3.2(Scan#:384)
MassPeaks:441
RawMode:Single 3.2(384) BasePeak:249(5139186)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.05	99629	1.94	4	53.05	44022	0.86	7	56.10	5001	0.10
2	51.05	151574	2.95	5	54.05	7639	0.15	8	57.10	11057	0.22
3	52.05	43799	0.85	6	55.05	29070	0.57	9	58.05	2922	0.06

(E)-2-((4-(3-(4-Methoxyphenyl)acryloyl)phenoxy)methyl)-3-(p-tolyl)quinazolin-4(3H)-one (36).





Cairo University
Micro Analytical Center

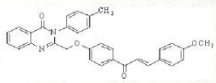
DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 01:46:31 م
Sample Name	: 4B
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\4B.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\4B.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 01:55:15 م

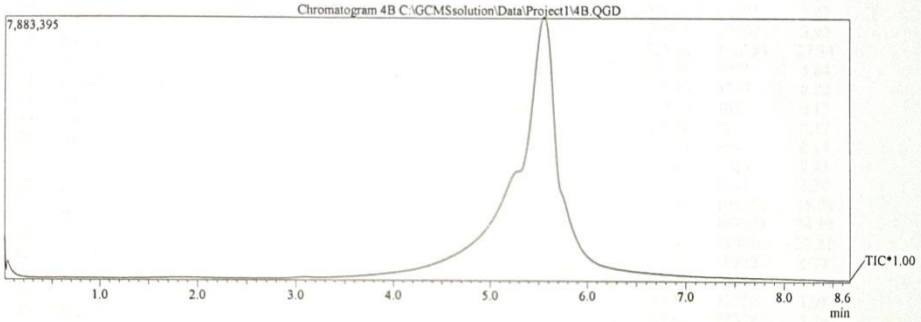
Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI



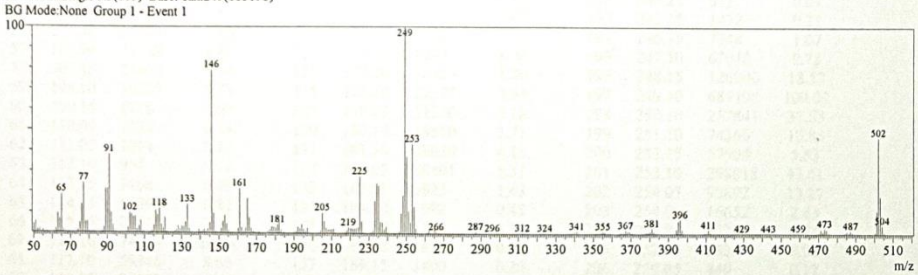
C:\GCMSsolution\Data\Project1\4B.QGD

Chromatogram 4B C:\GCMSsolution\Data\Project1\4B.QGD



Spectrum

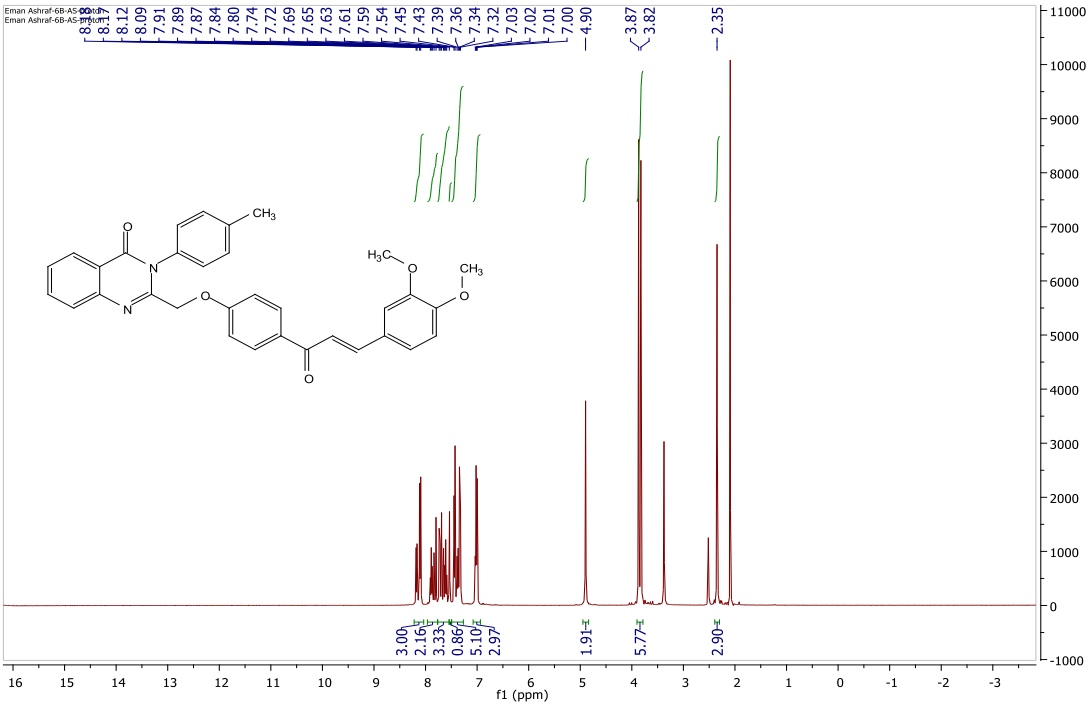
Line#:1 R.Time:5.5(Scan#:665)
MassPeaks:363
RawMode:Single 5.5(665) BasePeak:249(685198)
BG Mode:None Group 1 - Event 1

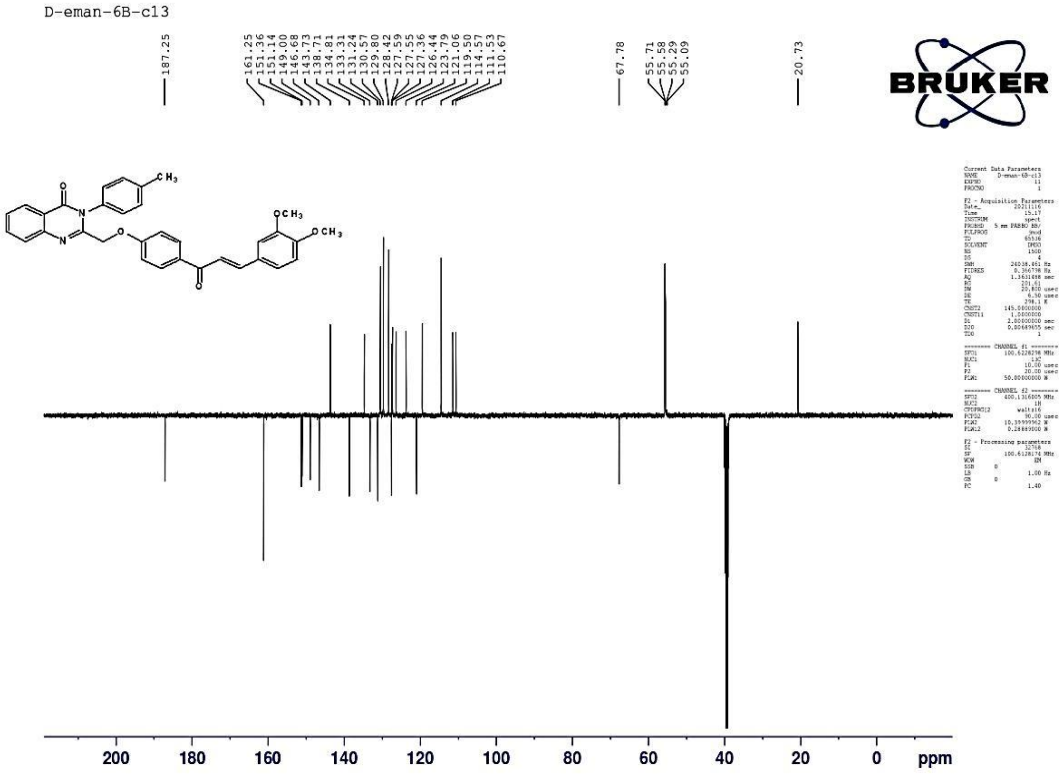


Mass Table
Line#:1 R.Time:5.5(Scan#:665)
MassPeaks:363
RawMode:Single 5.5(665) BasePeak:249(685198)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.05	27503	4.01	4	53.05	11994	1.75	7	56.05	1622	0.24
2	51.00	37098	5.41	5	54.05	2334	0.34	8	57.05	2558	0.37
3	52.05	11223	1.64	6	55.00	9356	1.37	9	58.05	571	0.08

(E)-2-((4-(3-(3,4-Dimethoxyphenyl)acryloyl)phenoxy)methyl)-3-(p-tolyl)quin-azolin-4(3H)-one (37).





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Micro Analytical Center

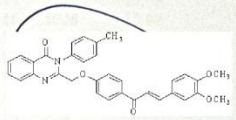
DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 02:16:59 م
Sample Name	: 6B
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\6B.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\6B.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$End If$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 02:25:13 م

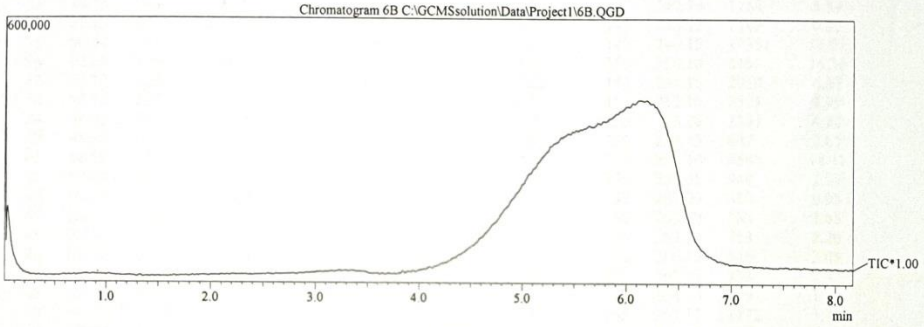
Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI



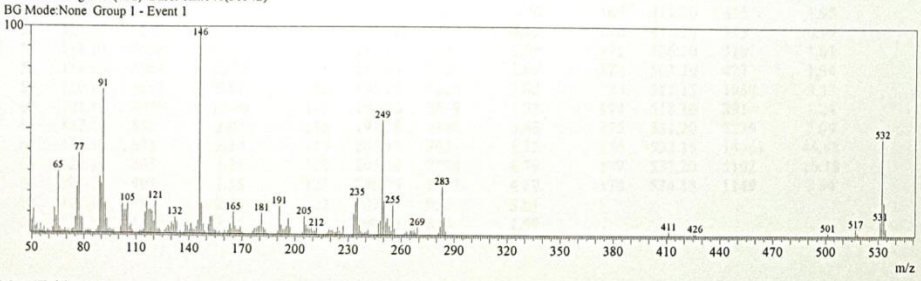
C:\GCMSsolution\Data\Project1\6B.QGD

Chromatogram 6B C:\GCMSsolution\Data\Project1\6B.QGD



Spectrum

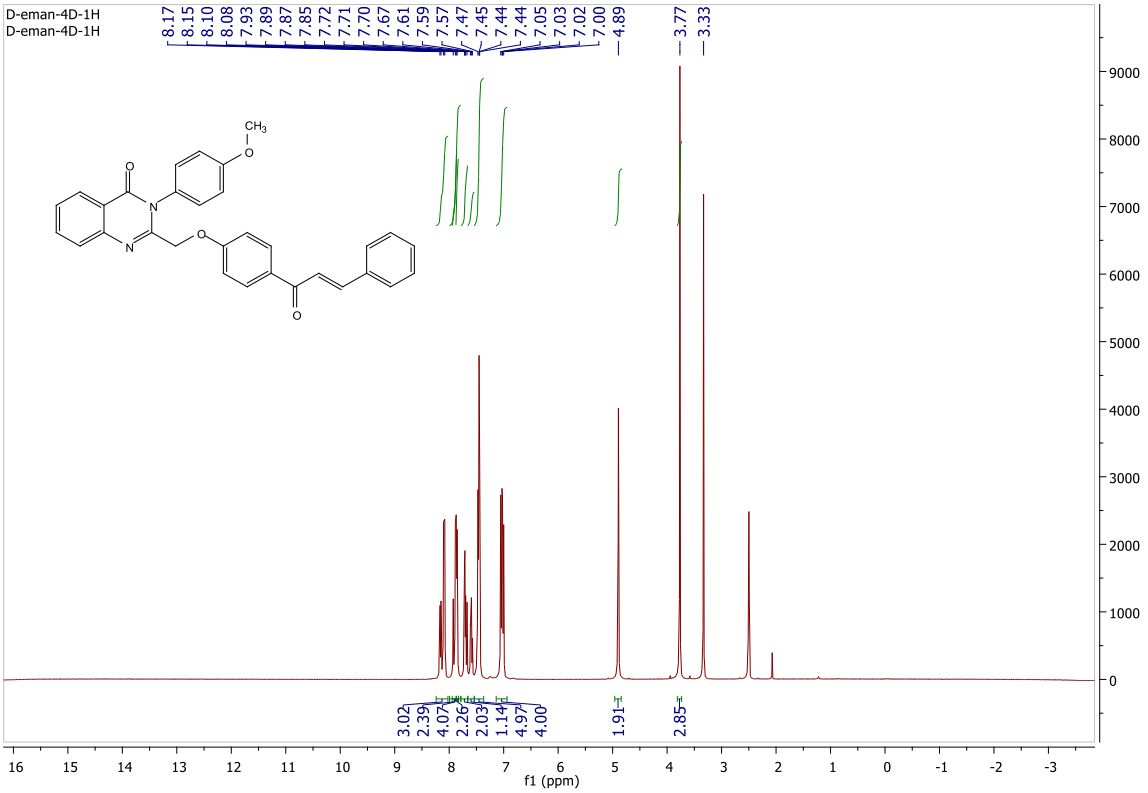
Line#:1 R.Time:5.8(Scan#:702)
MassPeaks:178
RawMode:Single 5.8(702) BasePeak:146(31542)
BG Mode:None Group 1 - Event 1

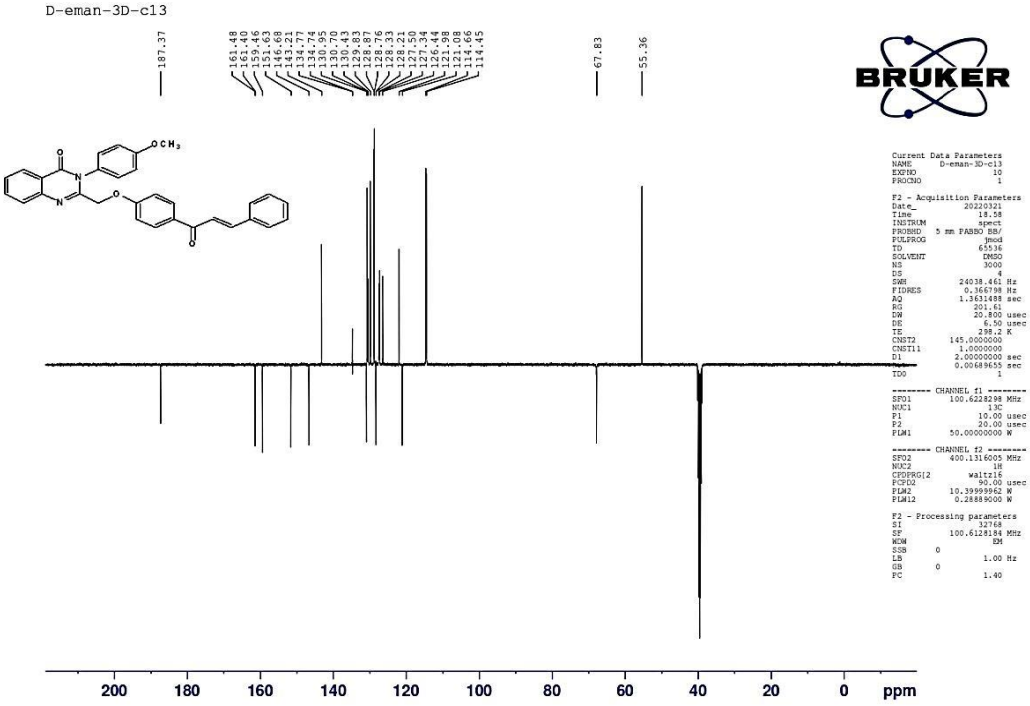


Mass Table
Line#:1 R.Time:5.8(Scan#:702)
MassPeaks:178
RawMode:Single 5.8(702) BasePeak:146(31542)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.05	1996	6.33	4	53.00	1231	3.90	7	56.05	393	1.25
2	51.00	3610	11.45	5	54.10	394	1.25	8	57.00	910	2.89
3	52.00	996	3.16	6	55.05	1353	4.29	9	59.05	488	1.55

(E)-2-((4-Cinnamoylphenoxy)methyl)-3-(4-methoxyphenyl)quinazolin-4(3H)-one (38).





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Micro Analytical Center

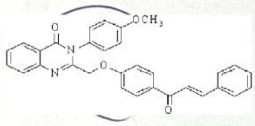
DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 04:25:25 م
Sample Name	: 3D
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\3D.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\3D.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$End If$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 04:29:07 م

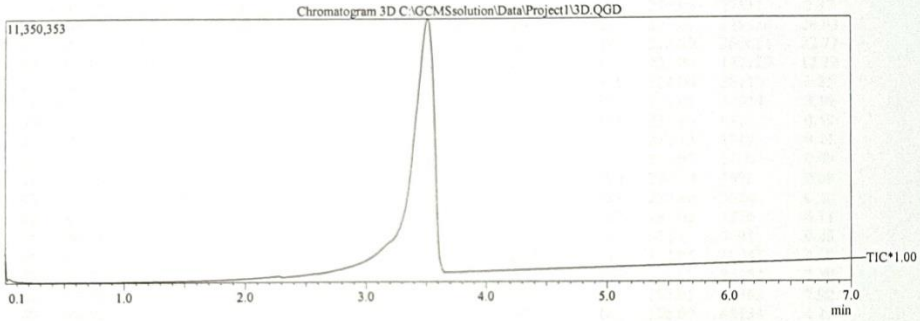
Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI



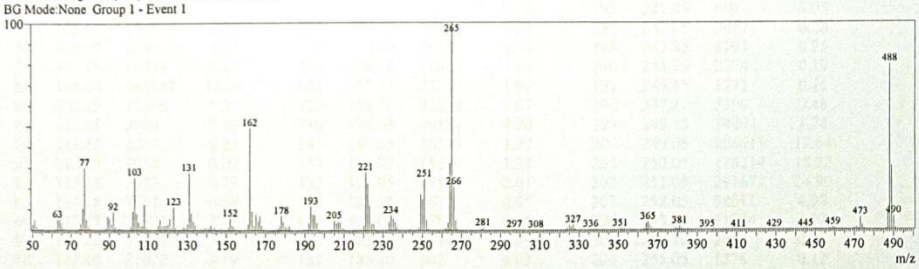
C:\GCMSsolution\Data\Project1\3D.QGD

Chromatogram 3D C:\GCMSsolution\Data\Project1\3D.QGD



Spectrum

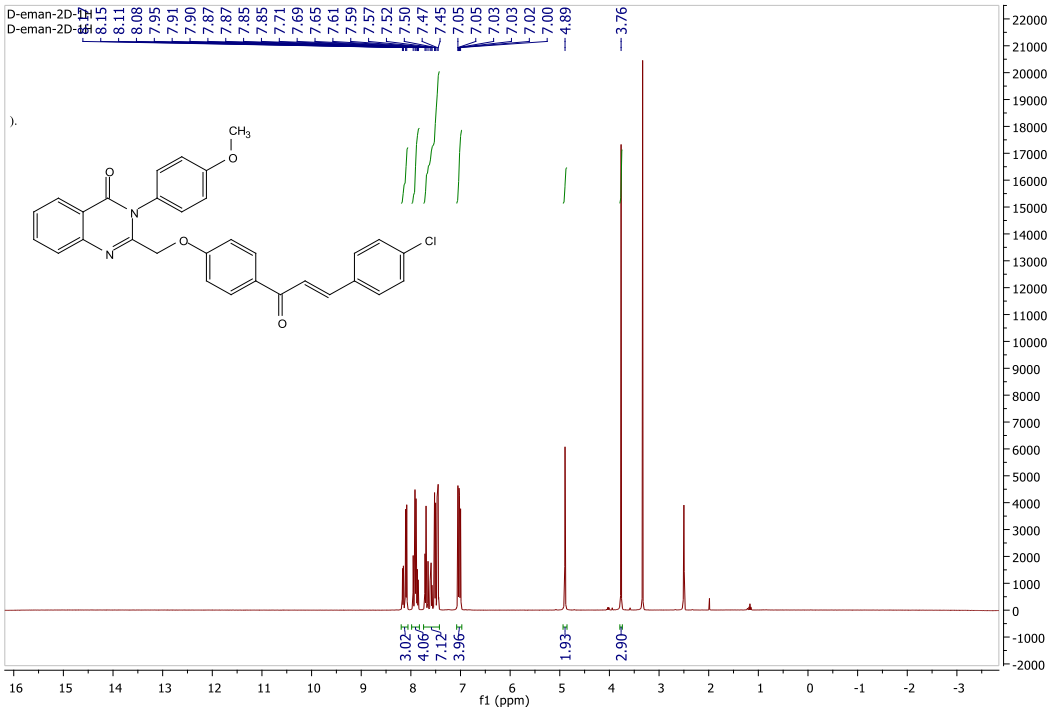
Line#:1 R.Time:3.5(Scan#:423)
MassPeaks:376
RawMode:Single 3.5(423) BasePeak:265(1171271)
BG Mode:None Group 1 - Event 1

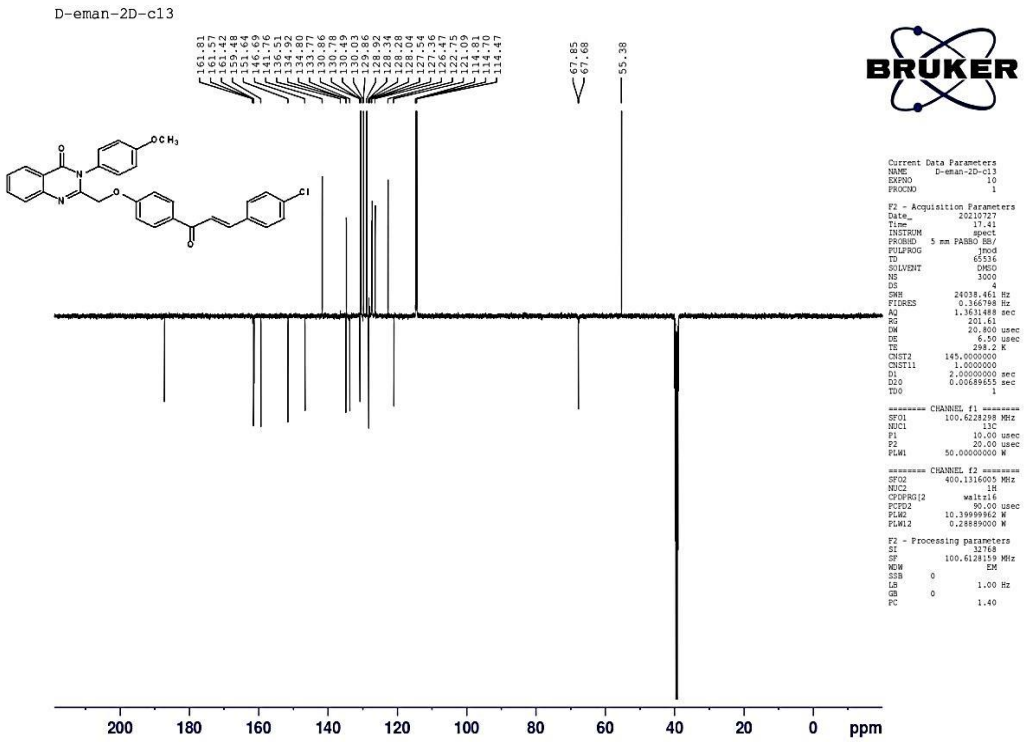


Mass Table
Line#:1 R.Time:3.5(Scan#:423)
MassPeaks:376
RawMode:Single 3.5(423) BasePeak:265(1171271)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.05	32494	2.77	4	53.00	10962	0.94	7	56.00	1378	0.12
2	51.00	60498	5.17	5	54.05	2500	0.21	8	57.05	2777	0.24
3	52.05	17808	1.52	6	55.00	9049	0.77	9	58.05	666	0.06

(E)-2-((4-(3-(4-Chlorophenyl)acryloyl)phenoxy)methyl)-3-(4-methoxyphenyl) quinazolin-4(3H)-one (39).





Cairo University
Micro Analytical Center

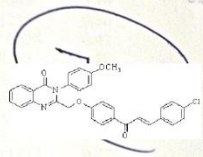
DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

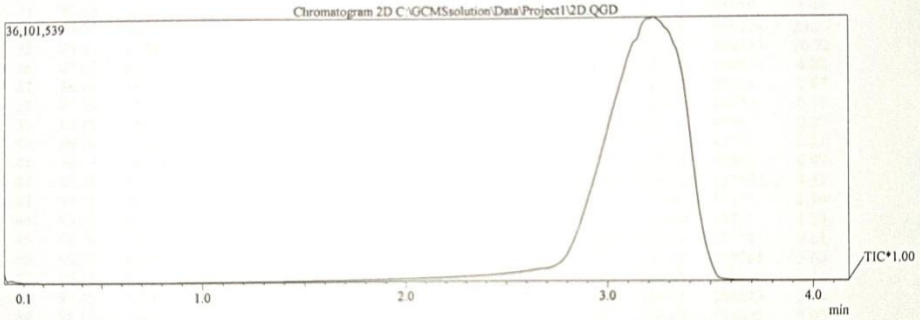
Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 04:19:18
Sample Name	: 2D
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\2D.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\2D.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 04:23:31

Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
–Group 1 - Event 1–	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

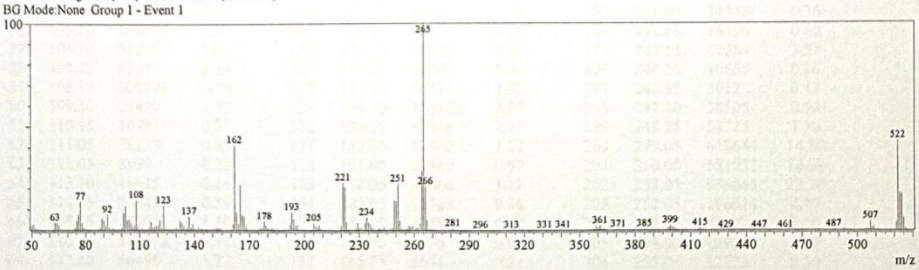


C:\GCMSsolution\Data\Project1\2D.QGD



Spectrum

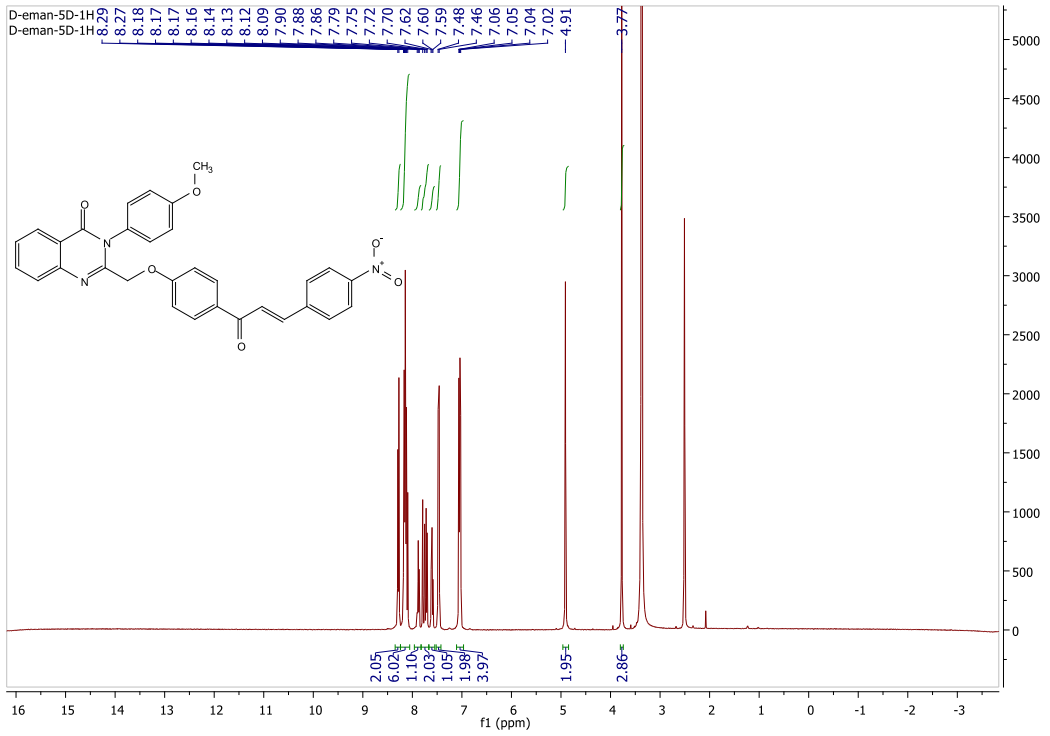
Line#:1 R.Time:3.2(Scan#:379)
MassPeaks:465
RawMode:Single 3.2(379) BasePeak:265(4125578)
BG Mode:None Group 1 - Event 1

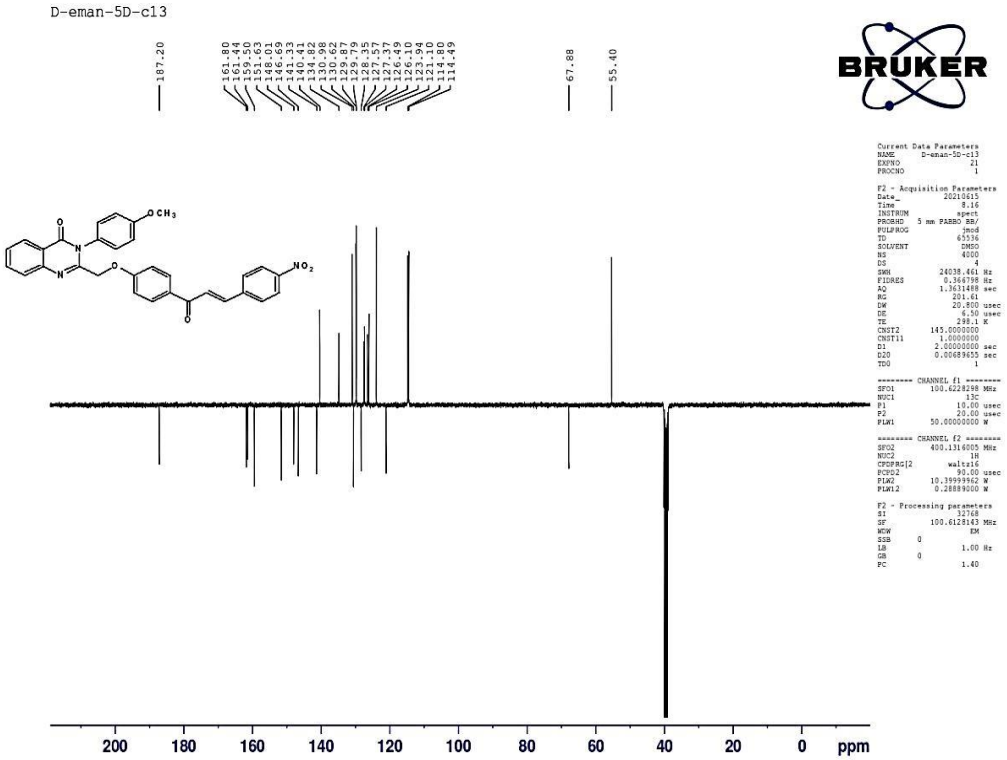


Mass Table
Line#:1 R.Time:3.2(Scan#:379)
MassPeaks:465
RawMode:Single 3.2(379) BasePeak:265(4125578)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.05	90645	2.20	4	53.00	26644	0.65	7	56.05	4192	0.10
2	51.00	121642	2.95	5	54.05	6728	0.16	8	57.05	8185	0.20
3	52.05	40970	0.99	6	55.00	17474	0.42	9	58.05	1848	0.04

(E)-3-(4-Methoxyphenyl)-2-((4-(3-(4-nitrophenyl)acryloyl)phenoxymethyl)quinazolin-4(3H)-one (40).





Cairo University
Micro Analytical Center

DI Analysis
Shimadzu Qp-2010 Plus

Sample Information

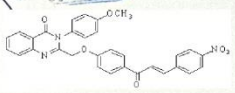
Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 04:46:27
Sample Name	: 5D
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\5D.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\5D.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$EndIf$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 04:51:47

Method

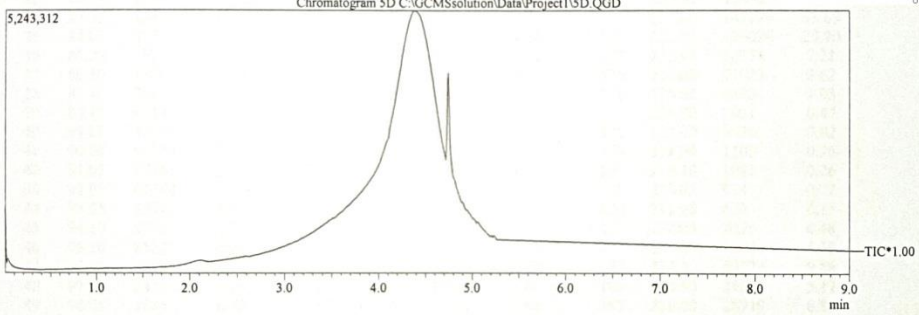
Analytical Line 1

IonSourceTemp	:250.00 C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

C:\GCMSsolution\Data\Project1\5D.QGD

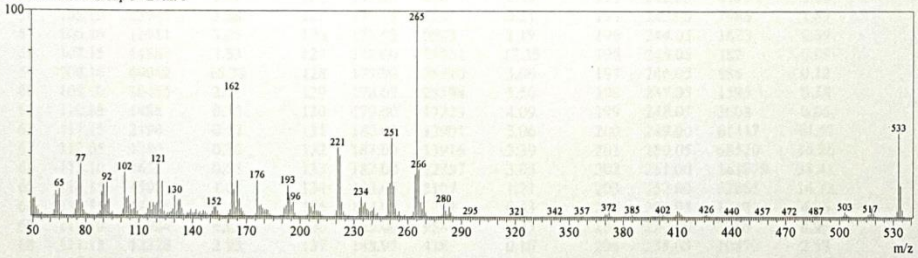


Chromatogram 5D C:\GCMSsolution\Data\Project1\5D.QGD



Spectrum

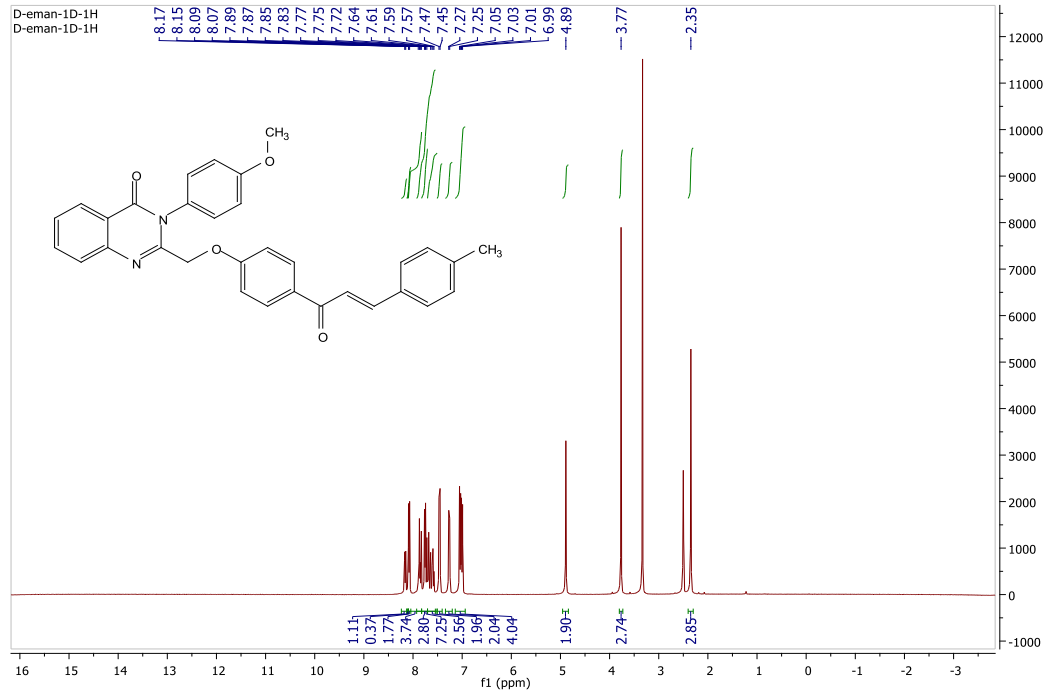
Line#:1 R.Time:4.4(Scan#:528)
MassPeaks:385
RawMode:Single 4.4(528) BasePeak:265(421468)
BG Mode:None Group 1 - Event 1

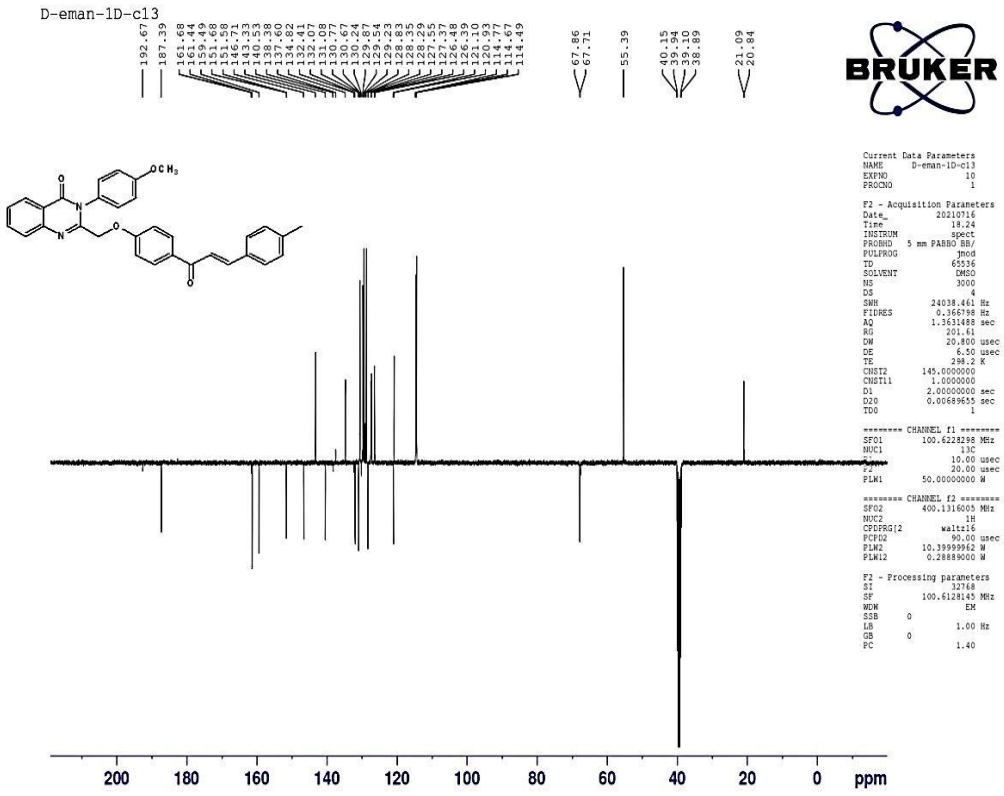


Mass Table
Line#:1 R.Time:4.4(Scan#:528)
MassPeaks:385
RawMode:Single 4.4(528) BasePeak:265(421468)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	35002	8.30	4	53.00	11956	2.84	7	56.05	1461	0.35
2	51.00	36487	8.66	5	54.05	2721	0.65	8	57.05	2465	0.58
3	52.00	17873	4.24	6	55.00	6169	1.46	9	58.05	717	0.17

(E)-3-(4-Methoxyphenyl)-2-((4-(3-(p-tolyl)acryloyl)phenoxy)methyl)quinazo-lin-4(3H)-one (41).





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DI Analysis
Shimadzu Qp-2010 Plus

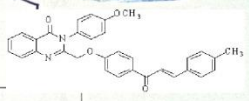
Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 04:11:35
Sample Name	: 1D
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\1D.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\1D.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$End1$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 04:17:24

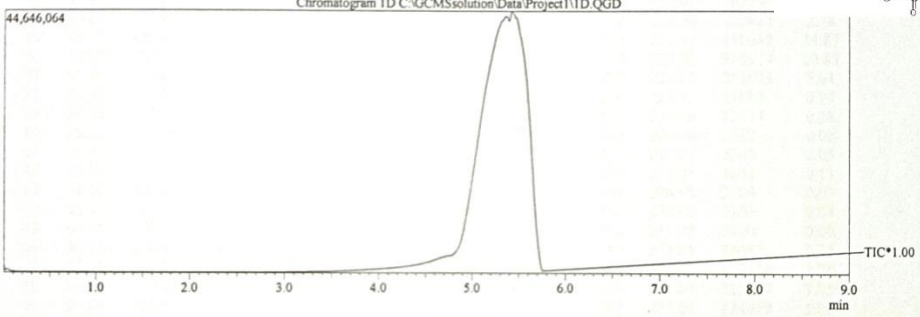
Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

C:\GCMSsolution\Data\Project1\1D.QGD

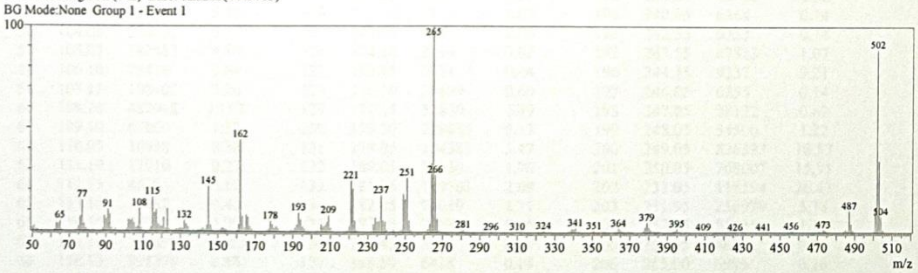


Chromatogram 1D C:\GCMSsolution\Data\Project1\1D.QGD



Spectrum

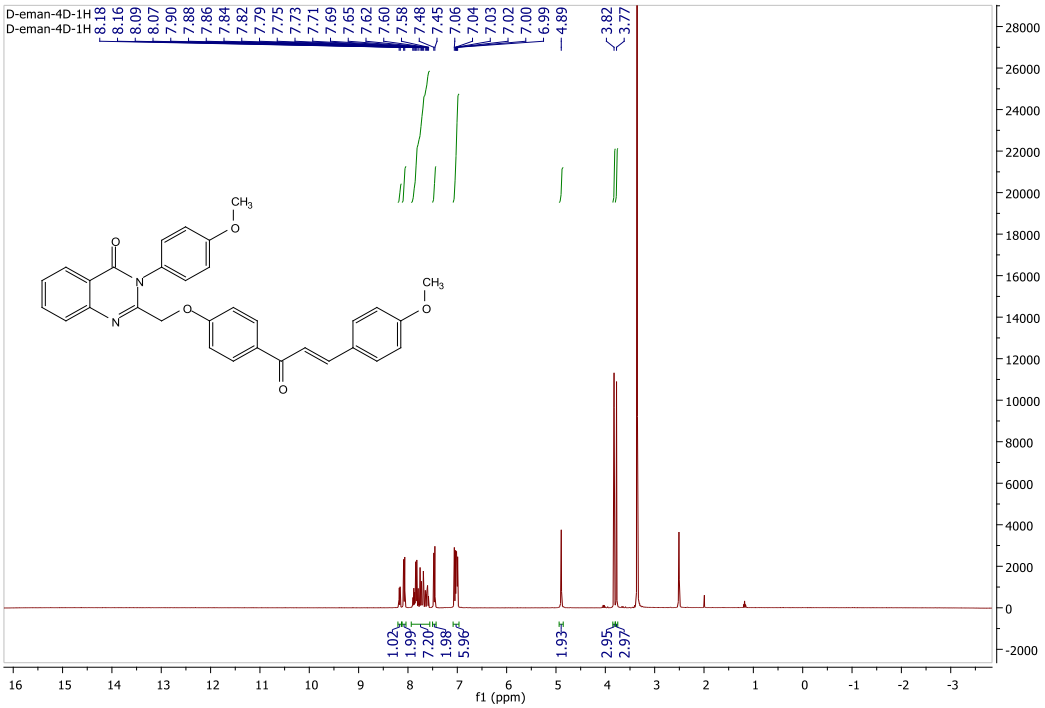
Line#:1 R.Time:5.3(Scan#:642)
MassPeaks:440
RawMode:Single 5.3(642) BasePeak:265(4449763)
BG Mode:None Group 1 - Event 1

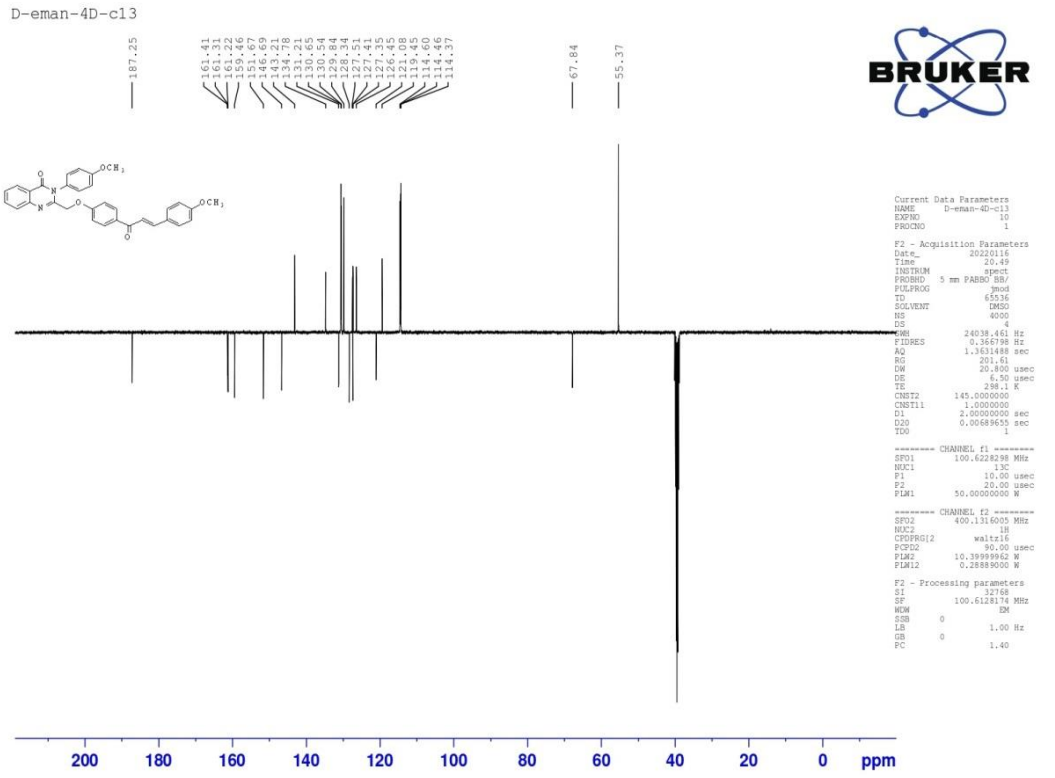


Mass Table
Line#:1 R.Time:5.3(Scan#:642)
MassPeaks:440
RawMode:Single 5.3(642) BasePeak:265(4449763)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.05	85382	1.92	4	53.00	38718	0.87	7	56.05	4797	0.11
2	51.00	120532	2.71	5	54.05	8066	0.18	8	57.05	8338	0.19
3	52.05	44163	0.99	6	55.00	26098	0.59	9	58.00	2492	0.06

(E)-3-(4-Methoxyphenyl)-2-((4-(3-(4-methoxyphenyl)acryloyl)phenoxy)methyl)quinazolin-4(3H)-one (42).





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DI Analysis
Shimadzu Qp-2010 Plus

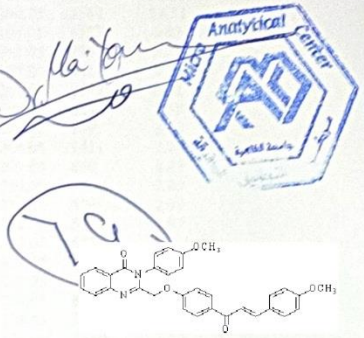
Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 04:31:06
Sample Name	: 4D
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\4D.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\4D.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$End1f$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 04:39:02

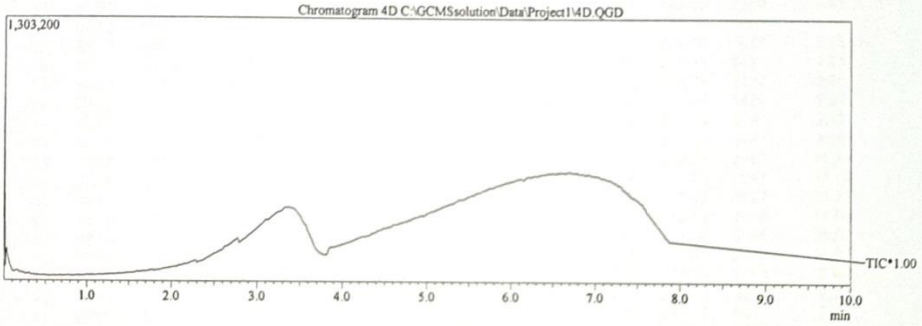
C:\GCMSsolution\Data\Project1\4D.QGD

Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

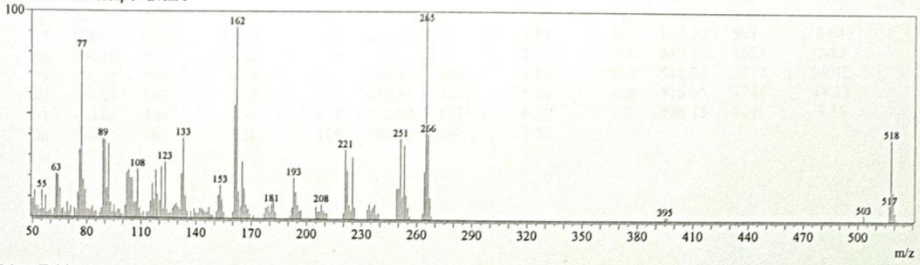


Chromatogram 4D C:\GCMSsolution\Data\Project1\4D.QGD



Spectrum

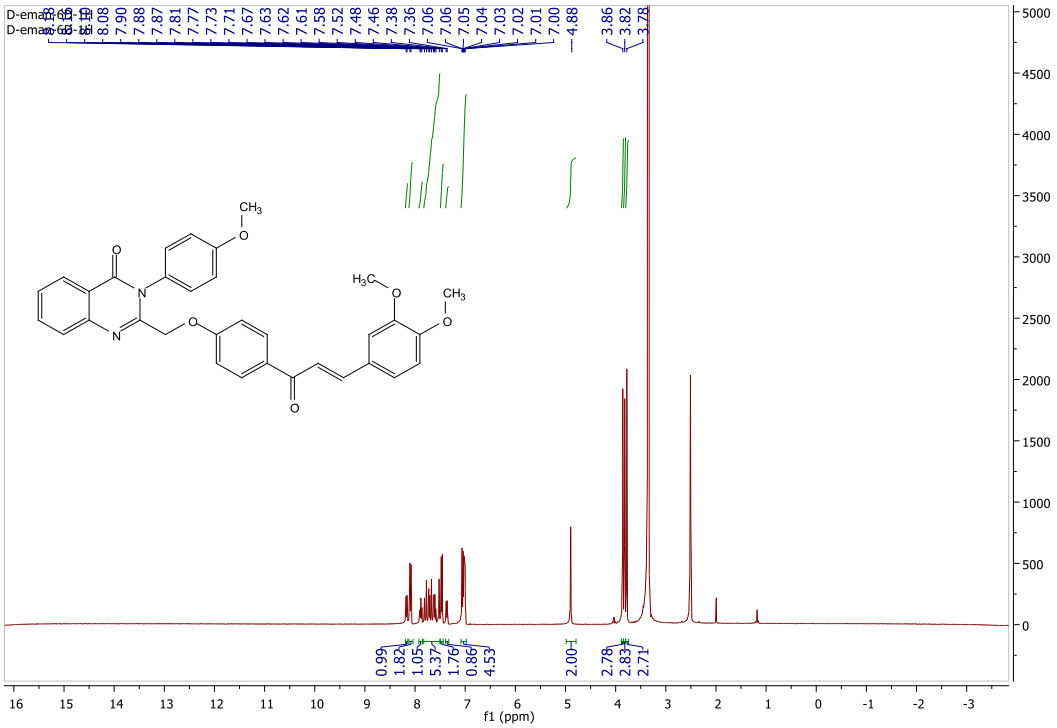
Line#:1 R.Time:3.3(Scan#:399)
MassPeaks:167
RawMode:Single 3.3(399) BasePeak:265(19428)
BG Mode:None Group 1 - Event 1

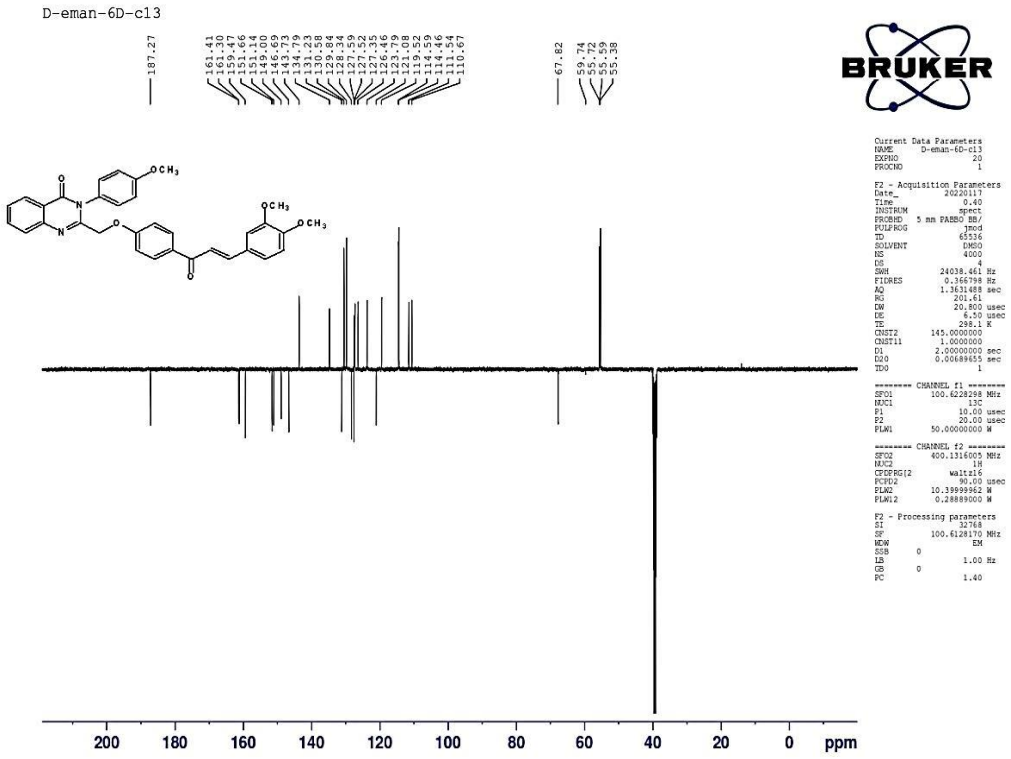


Mass Table
Line#:1 R.Time:3.3(Scan#:399)
MassPeaks:167
RawMode:Single 3.3(399) BasePeak:265(19428)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	1746	8.99	4	53.05	1063	5.47	7	56.10	777	4.00
2	51.00	2519	12.97	5	54.15	687	3.54	8	57.10	2070	10.65
3	52.00	1074	5.53	6	55.05	2536	13.05	9	58.05	437	2.25

(E)-2-((4-(3-(3,4-Dimethoxyphenyl)acryloyl)phenoxy)methyl)-3-(4-methoxyphenyl) quinazolin-4(3H)-one (43).





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DI Analysis
Shimadzu Qp-2010 Plus

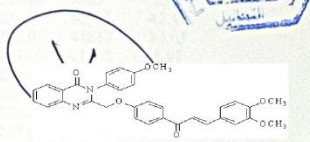
Sample Information

Analyzed by	: Dr. Mai Younis
Analyzed	: 21/01/2007 04:53:53 م
Sample Name	: 6D
Sample ID	:
Customer Name	: Dr.Eman Ashraf - Pharmacy - Zagazik
Data File	: C:\GCMSsolution\Data\Project1\6D.QGD
Org Data File	: C:\GCMSsolution\Data\Project1\6D.QGD
Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Org Method File	: C:\GCMSsolution\Data\Project1\High Temperature Op
Report File	:
Tuning File	: C:\GCMSsolution\System\Tune1_default.qgt
$End If$Modified by	: Dr. Mai Younis
Modified	: 21/01/2007 04:59:15 م

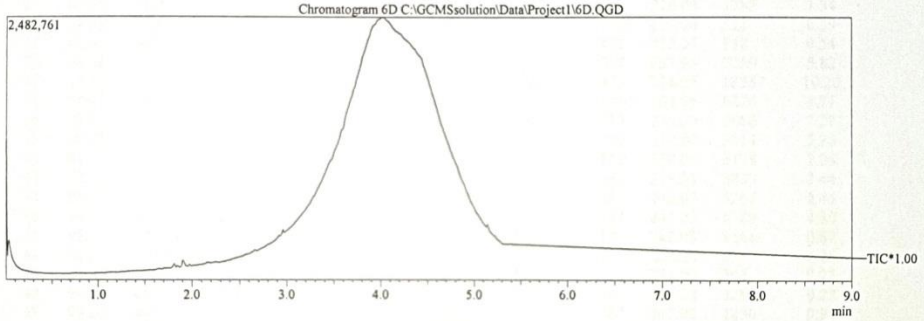
Method

====== Analytical Line 1 ======	
IonSourceTemp	:250.00 °C
[MS Table]	
--Group 1 - Event 1--	
Start Time	:0.00min
End Time	:10.00min
ACQ Mode	:Scan
Event Time	:0.50sec
Scan Speed	:1250
Start m/z	:50.00
End m/z	:600.00
Electron Voltage	: 70 eV
Ionization Mode	: EI

C:\GCMSsolution\Data\Project1\6D.QGD

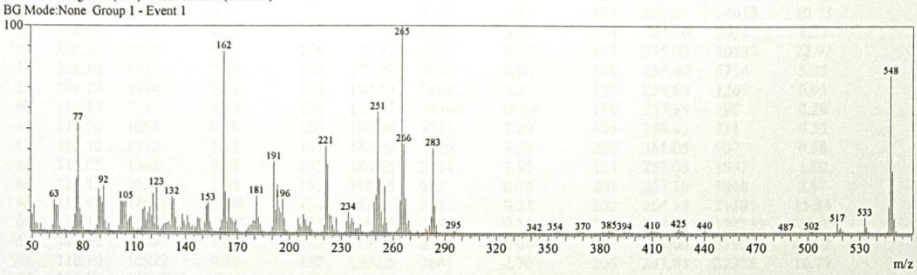


Chromatogram 6D C:\GCMSsolution\Data\Project1\6D.QGD



Spectrum

Line#:1 R.Time:4.0(Scan#:478)
MassPeaks:306
RawMode:Single 4.0(478) BasePeak:265(133235)
BG Mode:None Group 1 - Event 1



Mass Table
Line#:1 R.Time:4.0(Scan#:478)
MassPeaks:306
RawMode:Single 4.0(478) BasePeak:265(133235)
BG Mode:None Group 1 - Event 1

#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.	#	m/z	Abs. In	Rel. Int.
1	50.00	11031	8.28	4	53.00	5394	4.05	7	56.00	959	0.72
2	51.00	17745	13.32	5	54.05	1417	1.06	8	57.05	1709	1.28
3	52.00	5809	4.36	6	55.00	5111	3.84	9	58.05	514	0.39