

1949

60

70

1984

32

23.8%

350

8

2010

3

4

5

2

2.1

1

2

28

16

15

3087

3

30

-

131

3-5

21

20

1

2.3

2.3.1

2021

4

230

2

620

850

10

144.77

994.77

2.3.2

2021

5

11

2.3.3

2021

93

SCI

78

49

5

34

10

7

2.3.4

2021

3

1.5

2

64

2.4

2.4.1

62

7

69

60 33964 m² 10

2024 1.69 0.59 121

126 ,

26

2 100 60

2.4.2

1

2007

9000

2000

FV1000

IX81-CSU-X1

/ANDOR

Nano

FT Orbitrap

LTQ Orbitrap Discovery

Biacore T100

GLP

1993

1856

300

50

IVC

2004

2

5000

2600

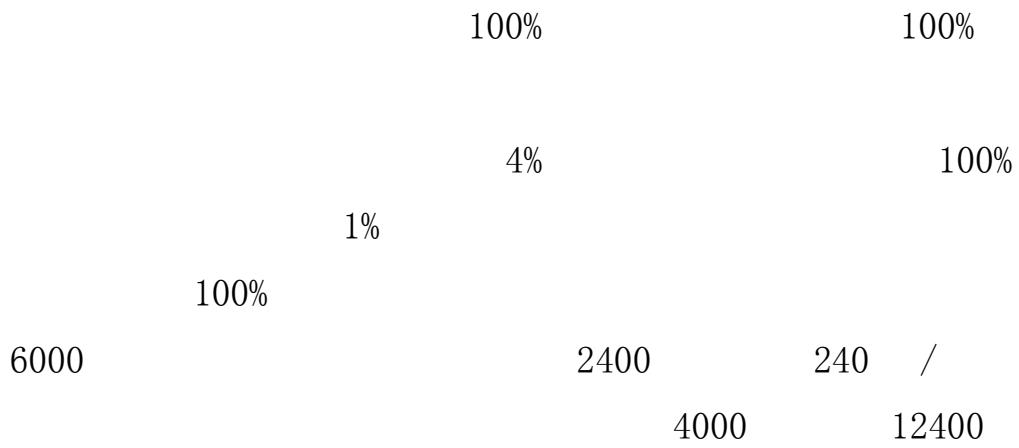
HPLC-MS GC-MS UPLC HPLC HPCE

DNA

RT-PCR UV FT-IR

2.5

2021



3.

3.1

3.1.1

1.

2021	14	89	21	14	15.7%

2021

1

14

89

1:1.5

15.7%

3.1.2

1

2

3

3

2

3.2

3.2.1

3.2.2

2

1

3.2.3

3.3

3.3.1

2.

	36	2.0				
	18	1.0				
	54	3.0			27 27	

	27	1.5				
	36	2.0				
	27	1.5				
	27	1.5				
	27	1.5				
	27	1.5				
	27	1.5				
	27	1.5				
	27	1.5				
	27	1.5				
	18	1.0				
	36	2.0				
	36	2.0				
	27	1.5				
	27	1.5				

	27	1.5				
--	----	-----	--	--	--	--

3.3.2

3.4

3.4.1

/

3.4.2

3.5

1

2

5-6

3

4

5

3.6

Steven. R Houser

8

2

11.8

23

3.7

1

2

3

4

2021

10

10

SCI

4

100%

3.8

1

2

3

2

3

3 5

1

4

1

4

3.9

3.9.1

1

2

3

3.9.2

1

2

3

2021

3.10

1

5
35 1206.5 2017
800 100
2
2030
4.1
1988
30 2010
4
125 1 44 6
18 2237.54

—

4.2

1

2

HPLC

3

4

5

—

—

95%

2017

2017

2016

75084

18317

2017

95480

18982

4.3

2030

