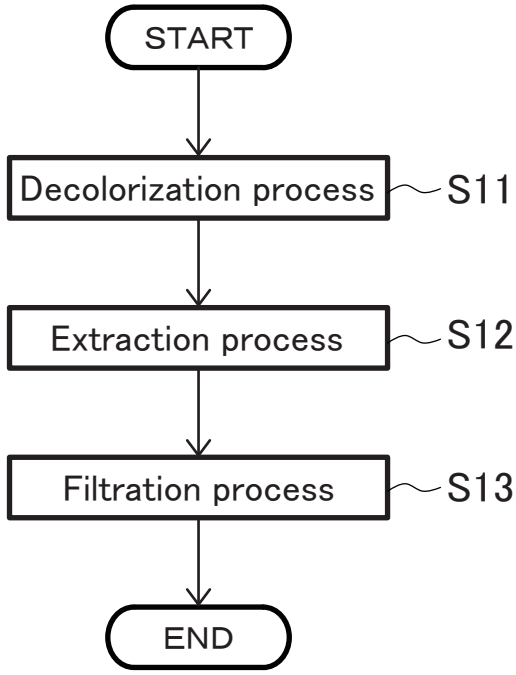

START
Decolorization process
S11
Extraction process
S12
Filtration process
S13
END

FIG. 1

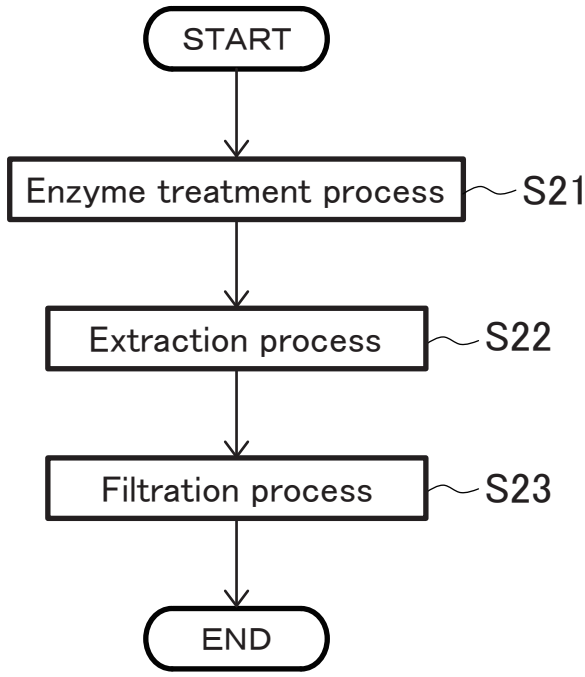

START
Enzyme treatment process
S21
Extraction process
S22
Filtration process
S23
END

FIG. 2

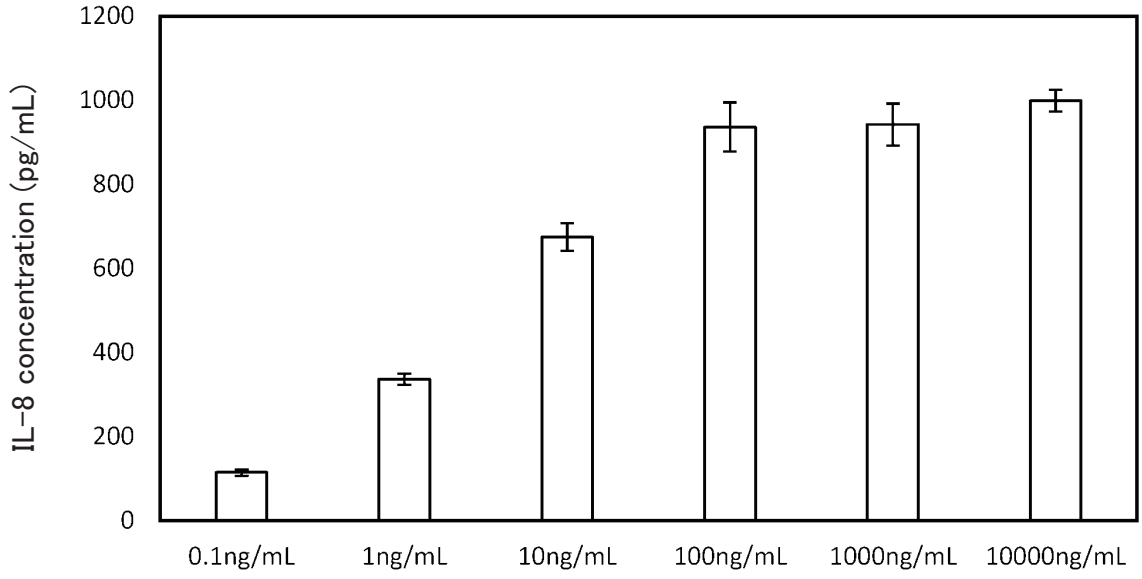

IL-8 concentration (pg/mL)
1200
1000
800
600
400
200
0
0.1ng/mL
1ng/mL
10ng/mL
100ng/mL
1000ng/mL
10000ng/mL

FIG. 3

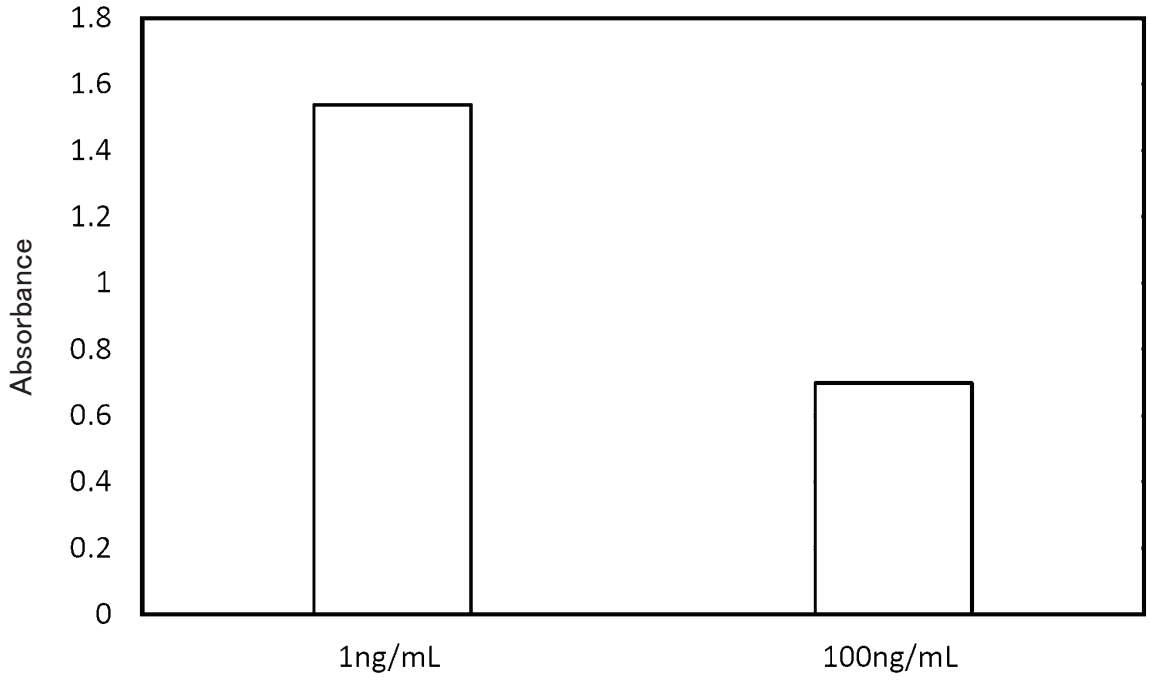

Absorbance
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1ng/mL
100ng/mL

FIG. 4

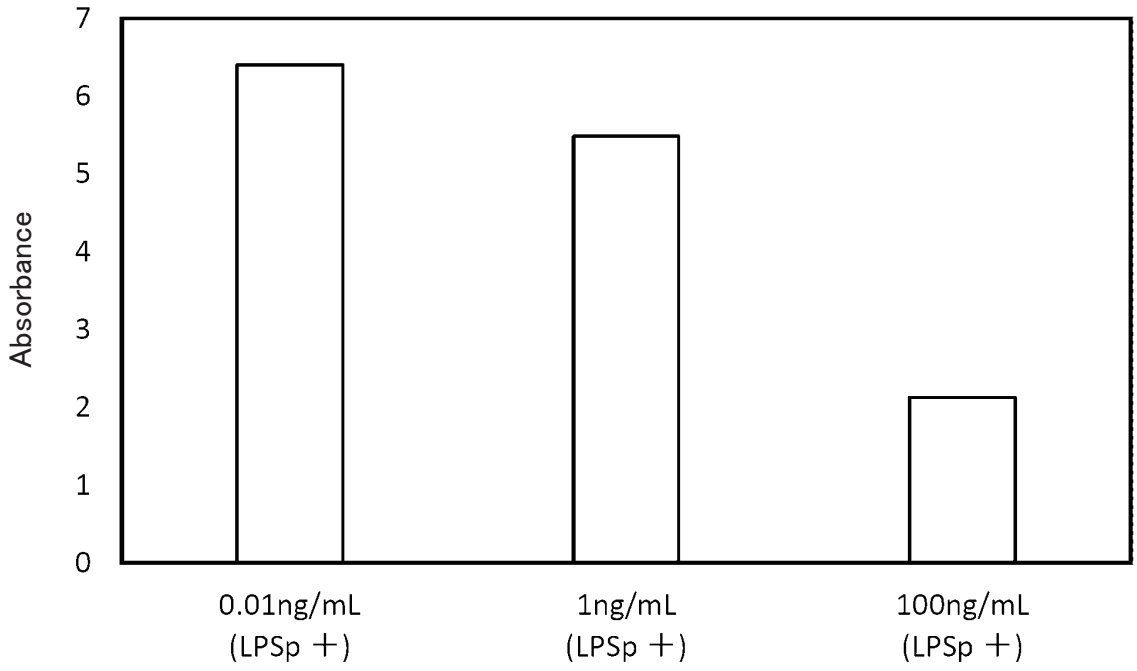

Absorbance
7
6
5
4
3
2
1
0
0.01ng/mL
(LPSp ＋)
1ng/mL
(LPSp ＋)
100ng/mL
(LPSp ＋)

FIG. 5

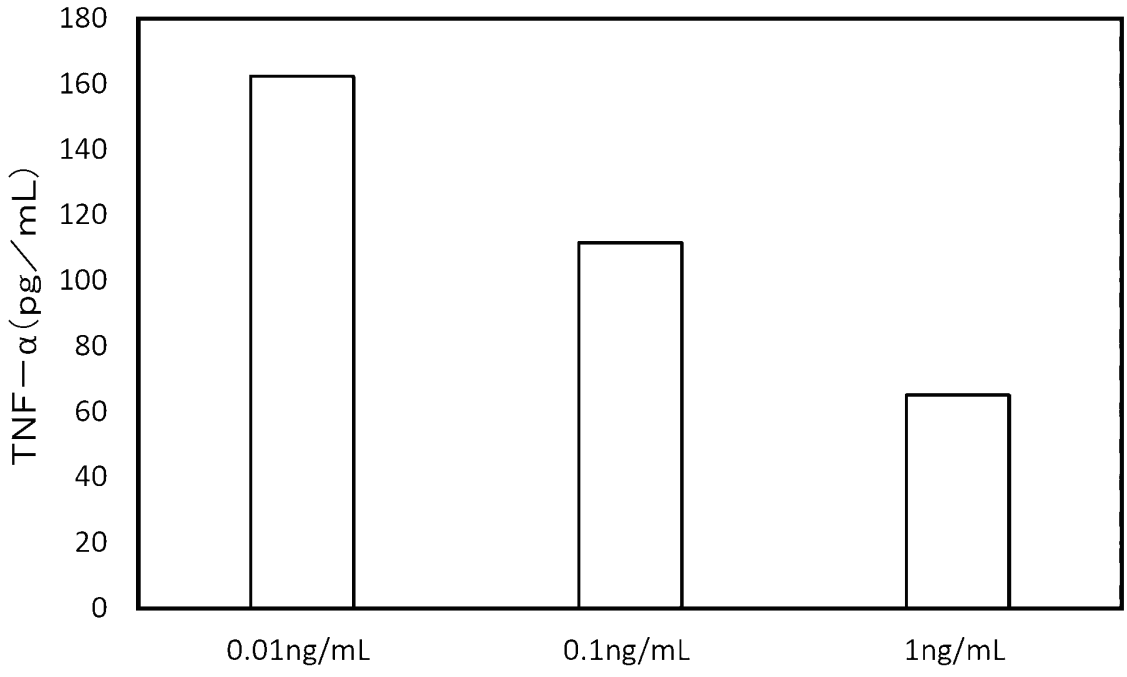

TNF－α（pg／mL）
180
160
140
120
100
80
60
40
20
0
0.01ng/mL
0.1ng/mL
1ng/mL

FIG. 6

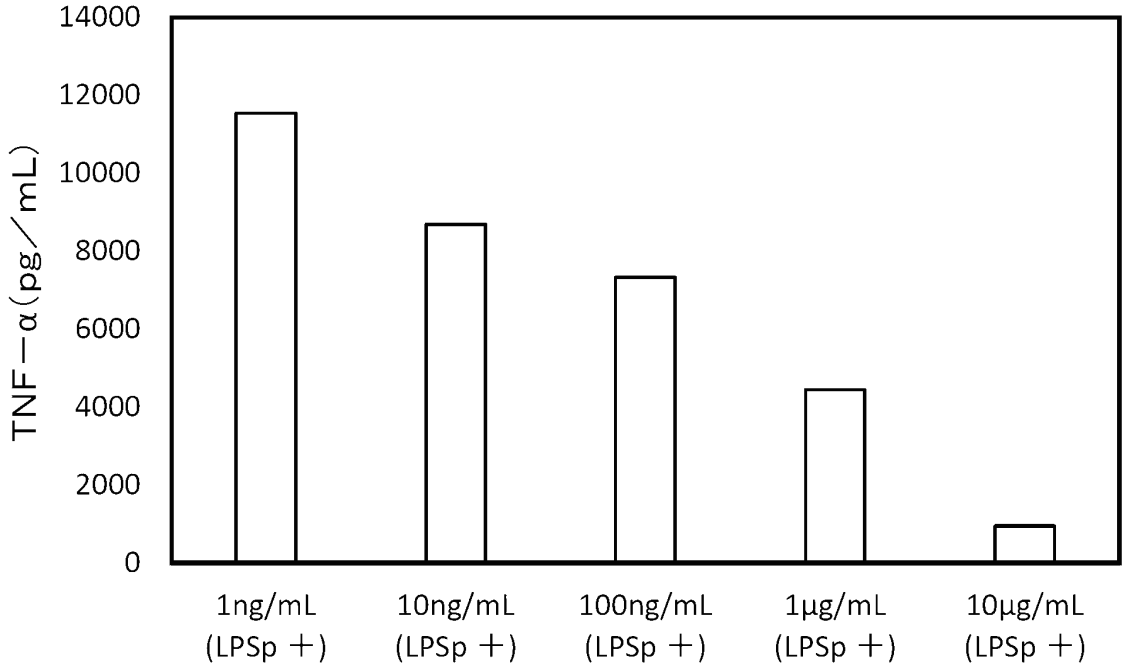

14000
12000
10000
8000
6000
4000
2000
0
TNF－α（pg／mL）
1ng/mL (LPSp ＋)
10ng/mL (LPSp ＋)
100ng/mL (LPSp ＋)
1μg/mL (LPSp ＋)
10μg/mL (LPSp ＋)

FIG. 7

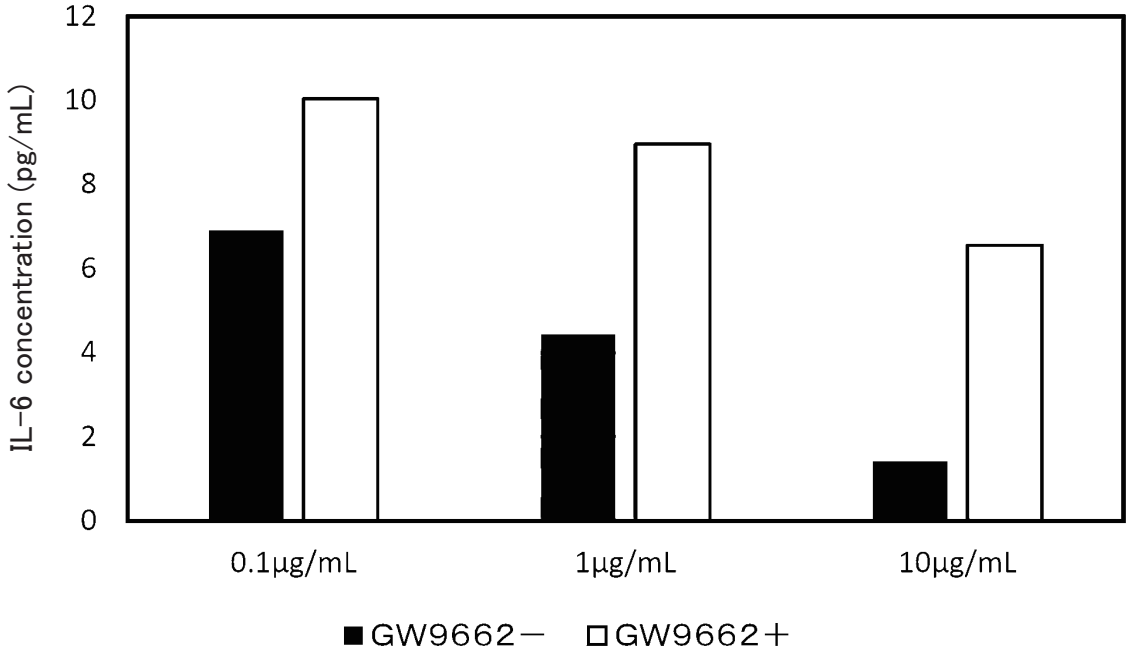

12
10
8
6
4
2
0
IL-6 concentration (pg/mL)
0.1μg/mL
1μg/mL
10μg/mL
■GW9662－ □GW9662＋

FIG. 8

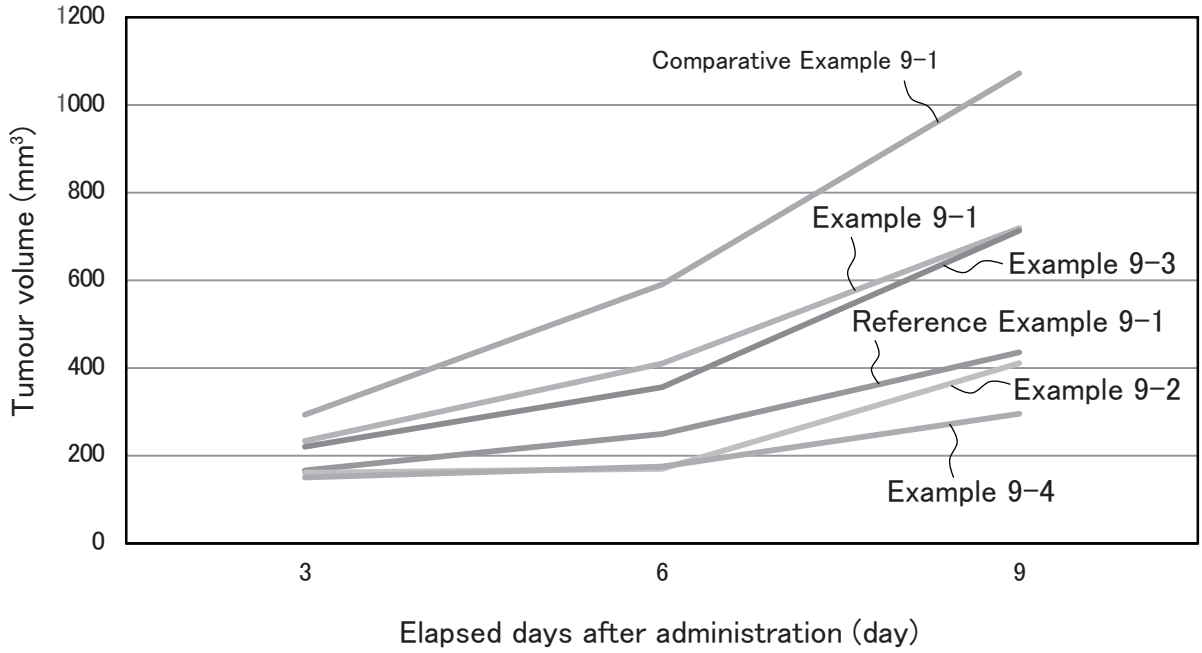

1200
1000
800
600
400
200
0
Tumour volume (mm3)
3
6
9
Elapsed days after administration (day)
Comparative Example 9-1
Example 9-1
Example 9-3
Reference Example 9-1
Example 9-2
Example 9-4

FIG. 9

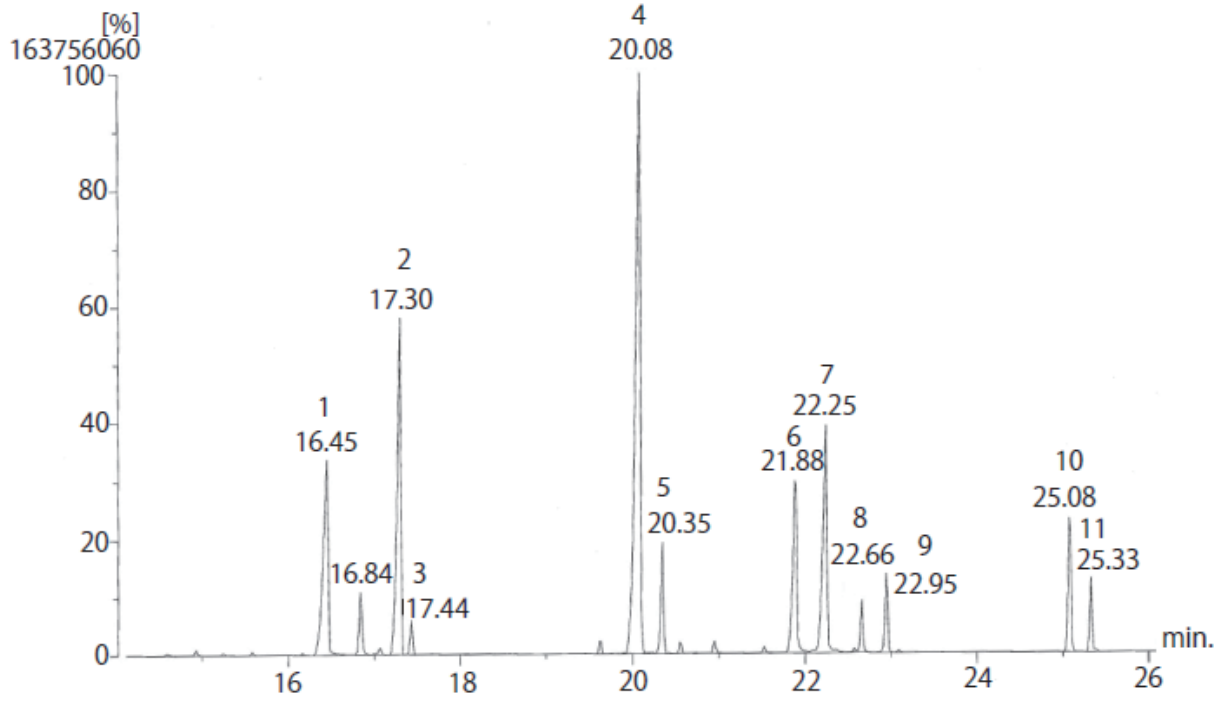

[%]
163756060
100
80
60
40
20
0
1
16.45
2
17.30
3
17.44
4
20.08
5
20.35
6
21.88
7
22.25
8
22.66
9
22.95
10
25.08
11
25.33
16.84
min.
16
18
20
22
24
26

FIG. 10

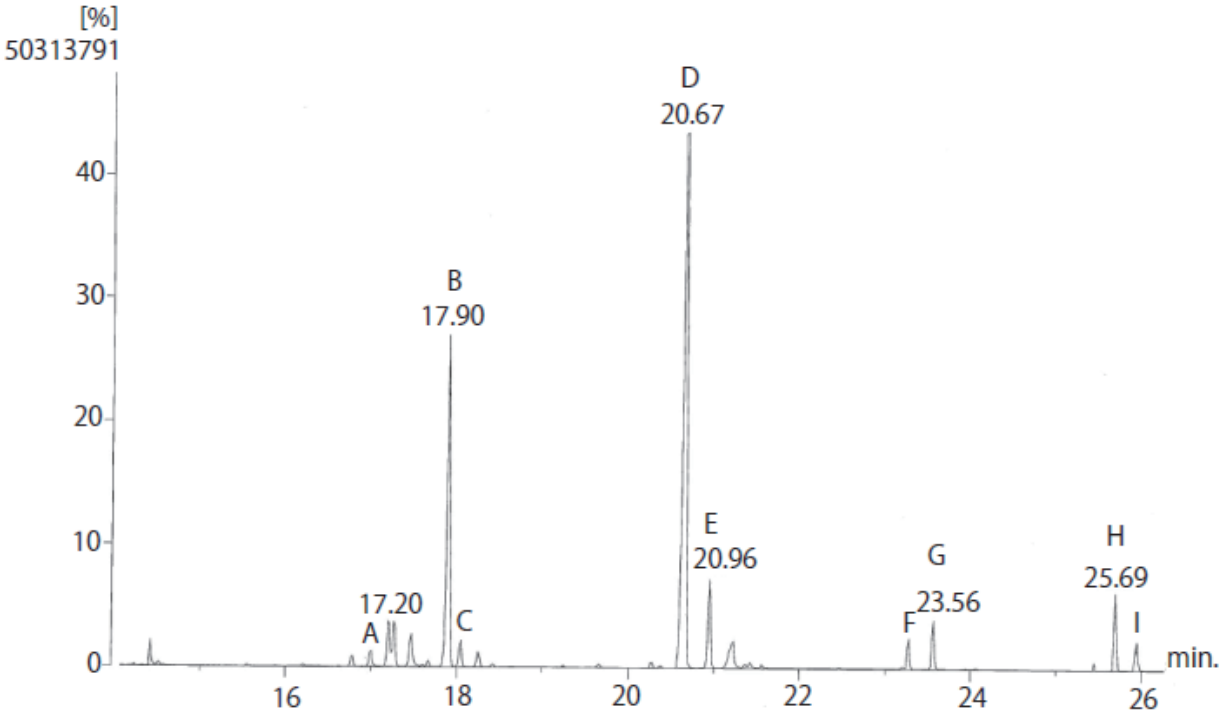

[%]
50313791
40
30
20
10
0
A
17.20
B
17.90
C
D
20.67
E
20.96
F
G
23.56
H
25.69
I
min.
16
18
20
22
24
26

FIG. 11

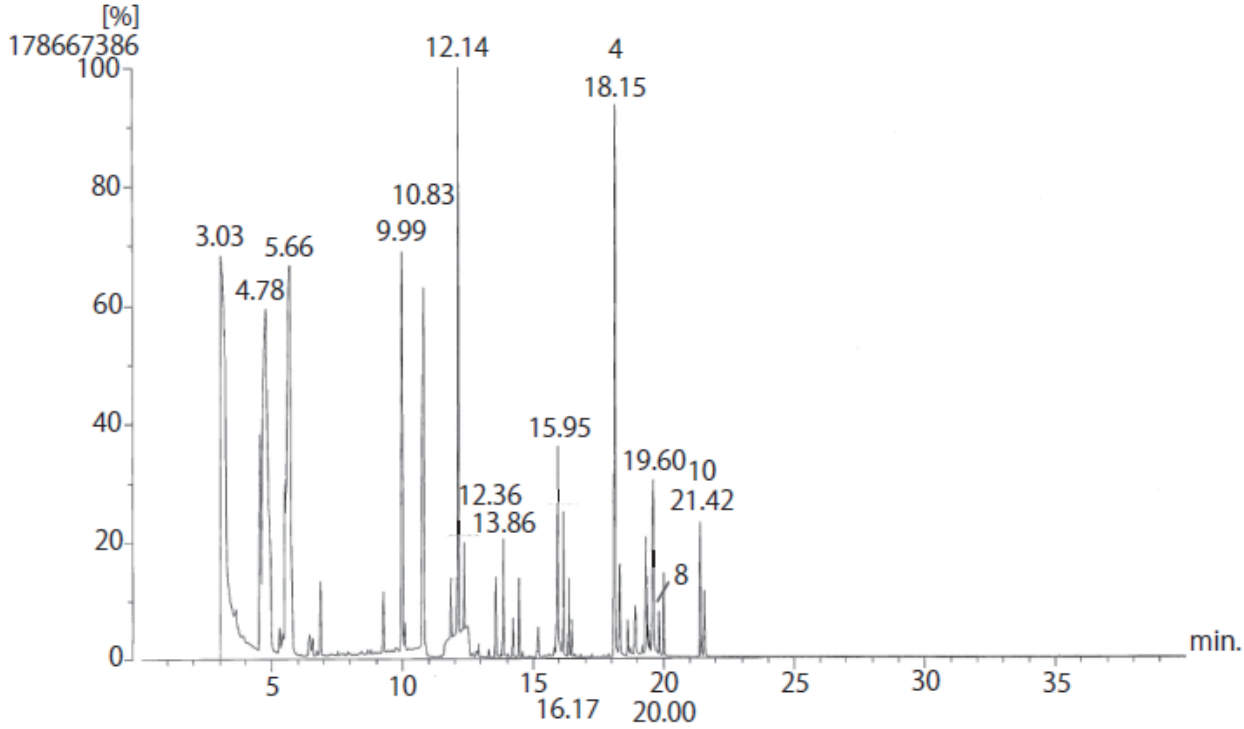

[%]
178667386
100
80
60
40
20
0
12.14
4
18.15
10.83
9.99
3.03
5.66
4.78
15.95
19.60
10
21.42
12.36
13.86
8
min.
5
10
15
16.17
20
20.00
25
30
35

FIG. 12

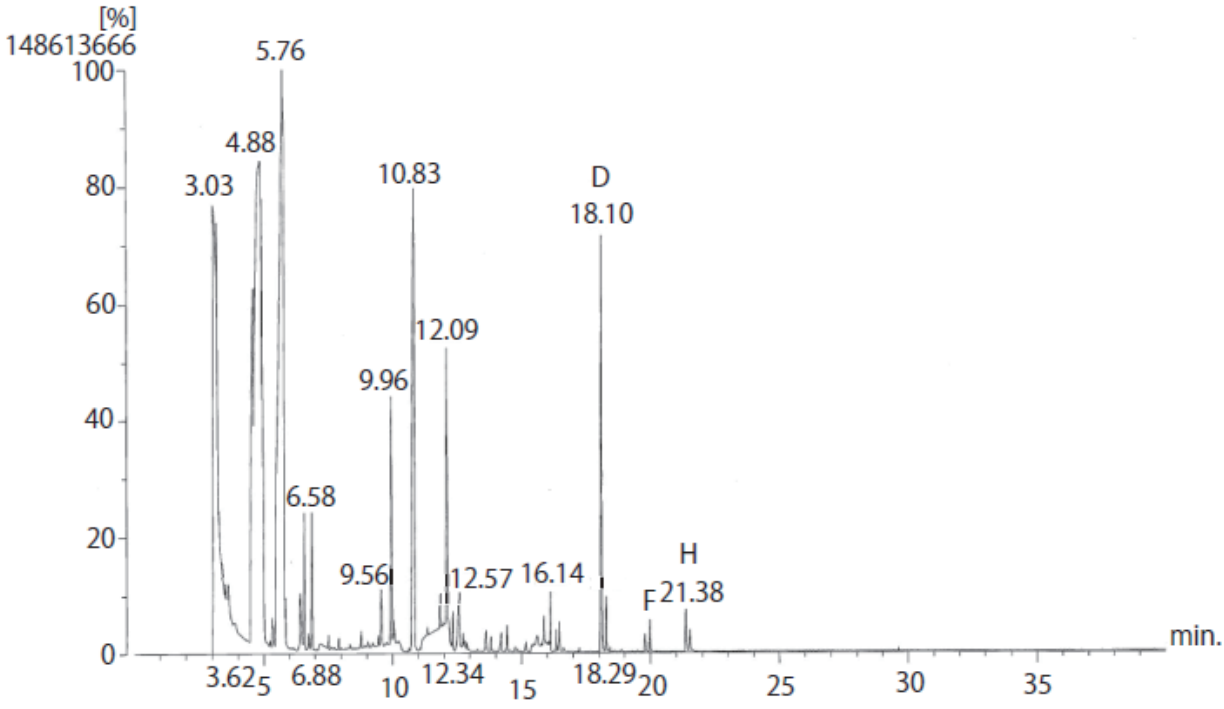

[%]
148613666
100
80
60
40
20
0
5.76
4.88
3.03
10.83
D
18.10
12.09
9.96
6.58
9.56
12.57
16.14
H
F
21.38
min.
3.62
5
6.88
10
12.34
15
18.29
20
25
30
35

FIG. 13

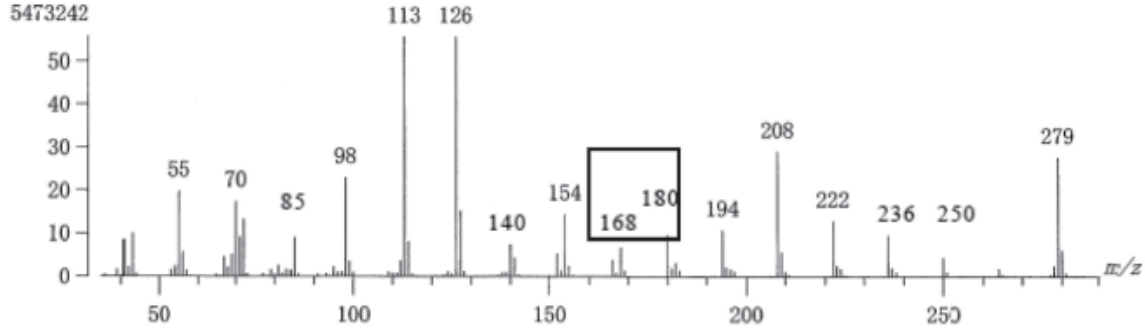

5473242
50
40
30
20
10
0
55
70
85
98
113
126
140
154
168
180
194
208
222
236
250
279
m/z
50
100
150
200
250

FIG. 14

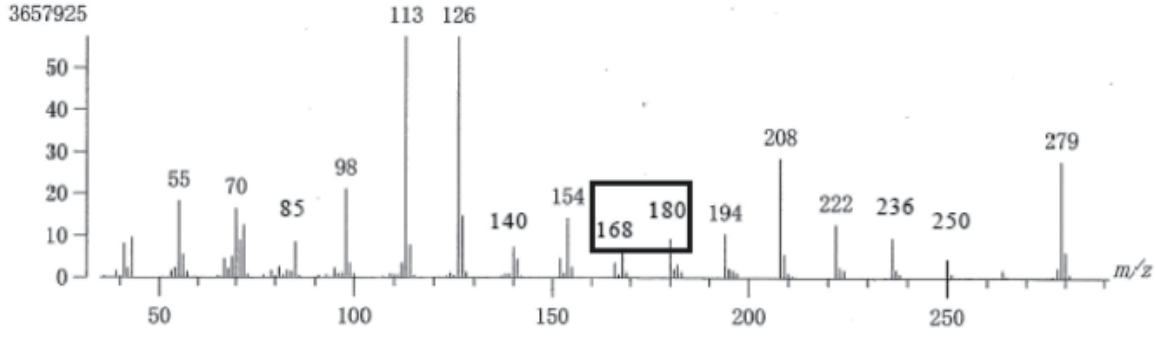

3657925
50
40
30
20
10
0
55
70
85
98
113
126
140
154
168
180
194
208
222
236
250
279
m/z
50
100
150
200
250

FIG. 15

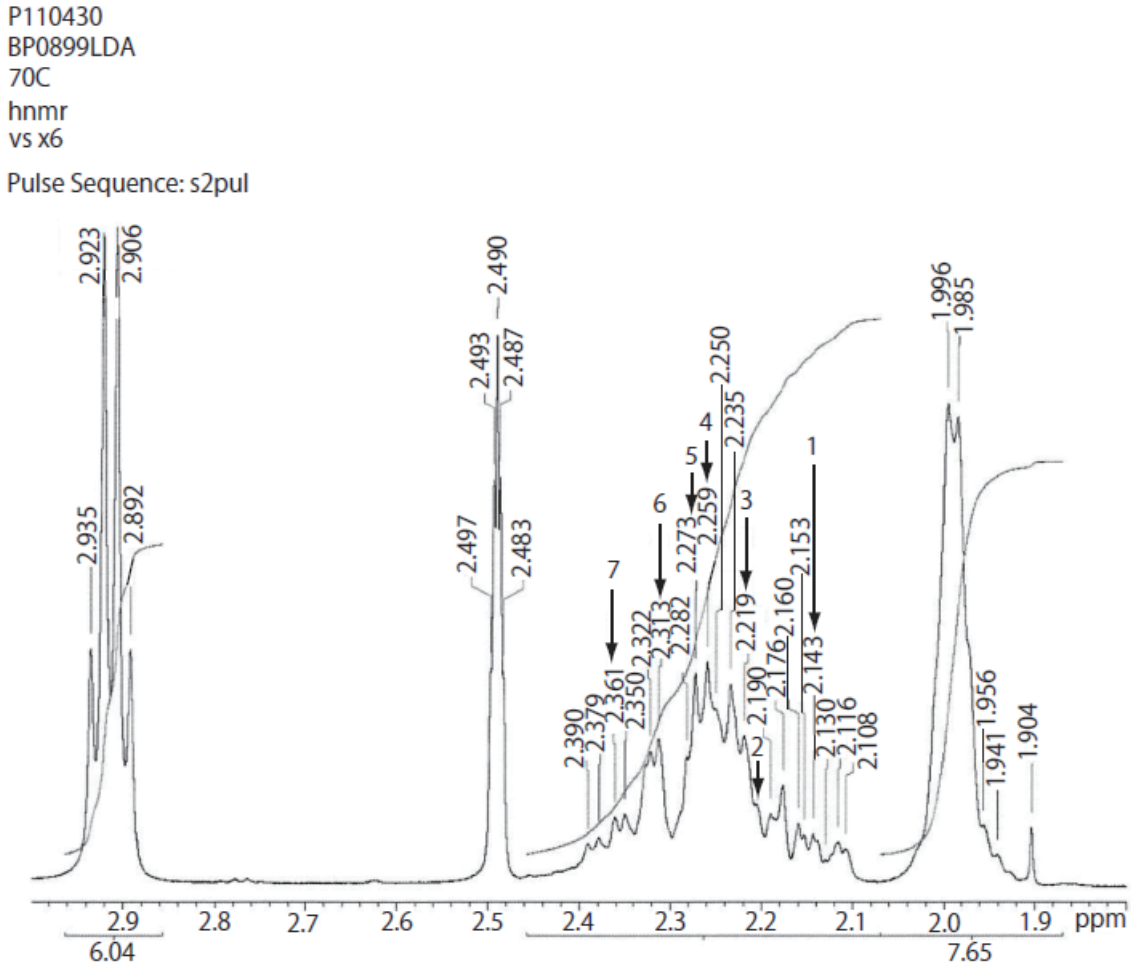

P110430
BP0899LDA
70C
hnmr
vs x6
Pulse Sequence: s2pul
2.923
2.906
2.935
2.892
2.490
2.493
2.487
2.497
2.483
2.250
2.235
2.273
2.259
2.322
2.313
2.282
2.219
2.190
2.176
2.160
2.153
2.143
2.130
2.116
2.108
2.390
2.379
2.361
2.350
1.996
1.985
1.956
1.941
1.904
1
2
3
4
5
6
7
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2.0
1.9
ppm
6.04
7.65

FIG. 16A

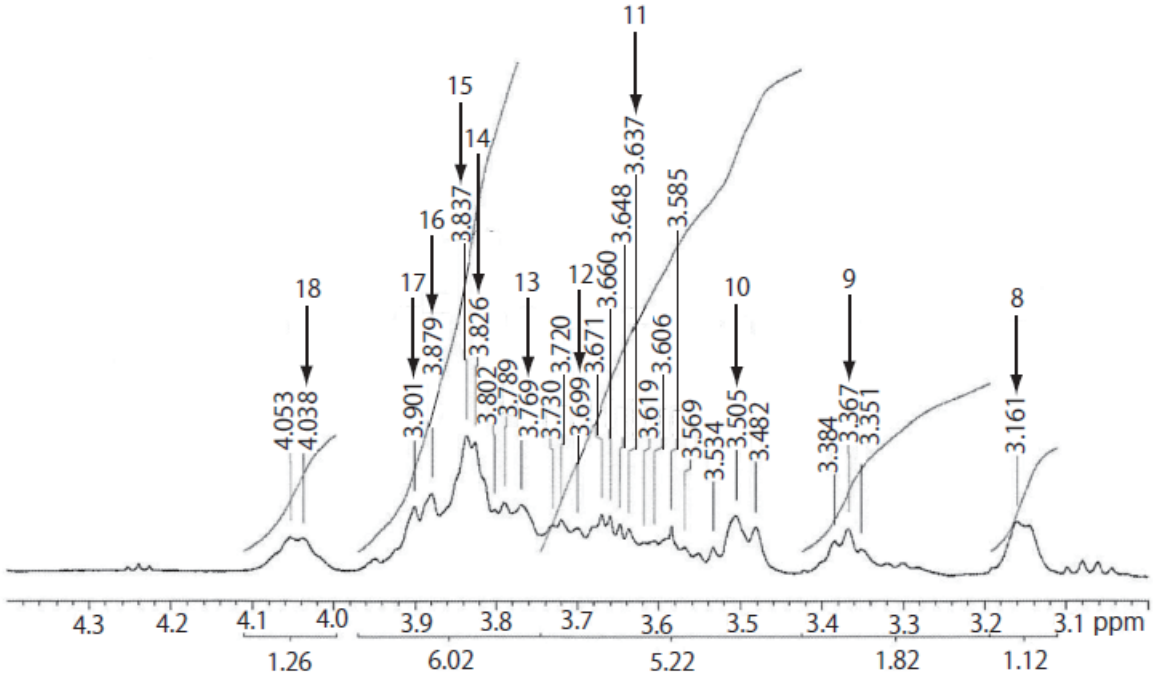


FIG. 16B

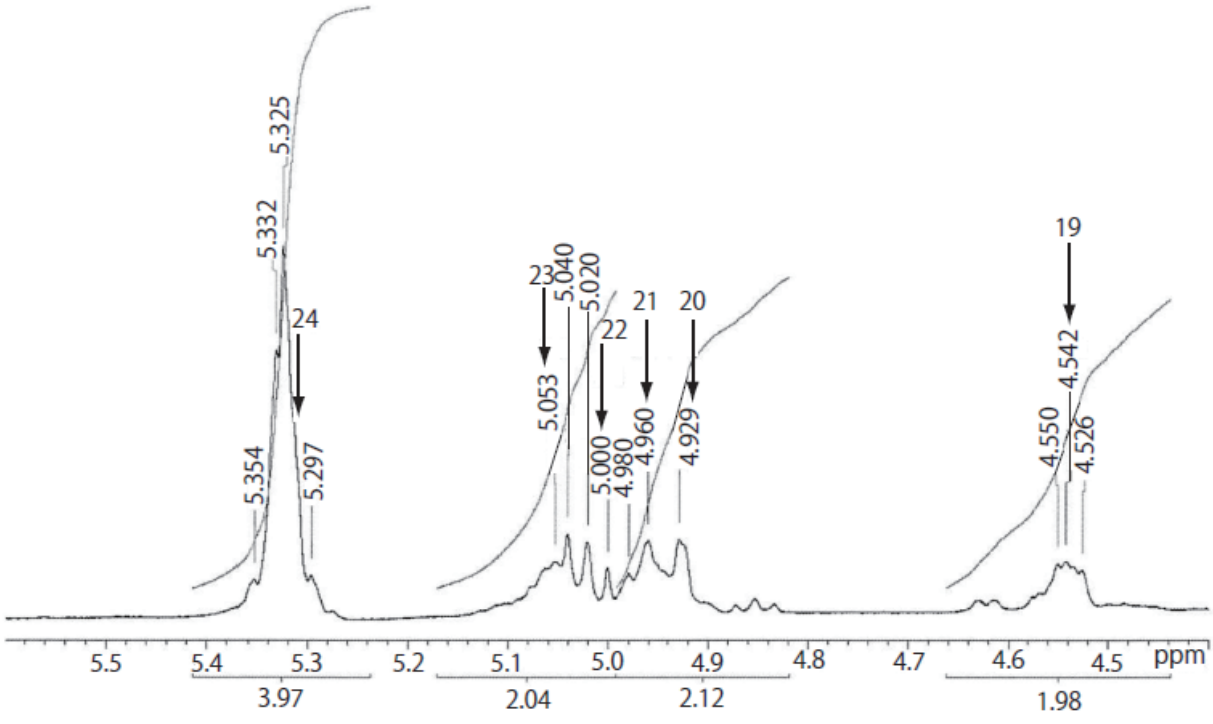


FIG. 16C

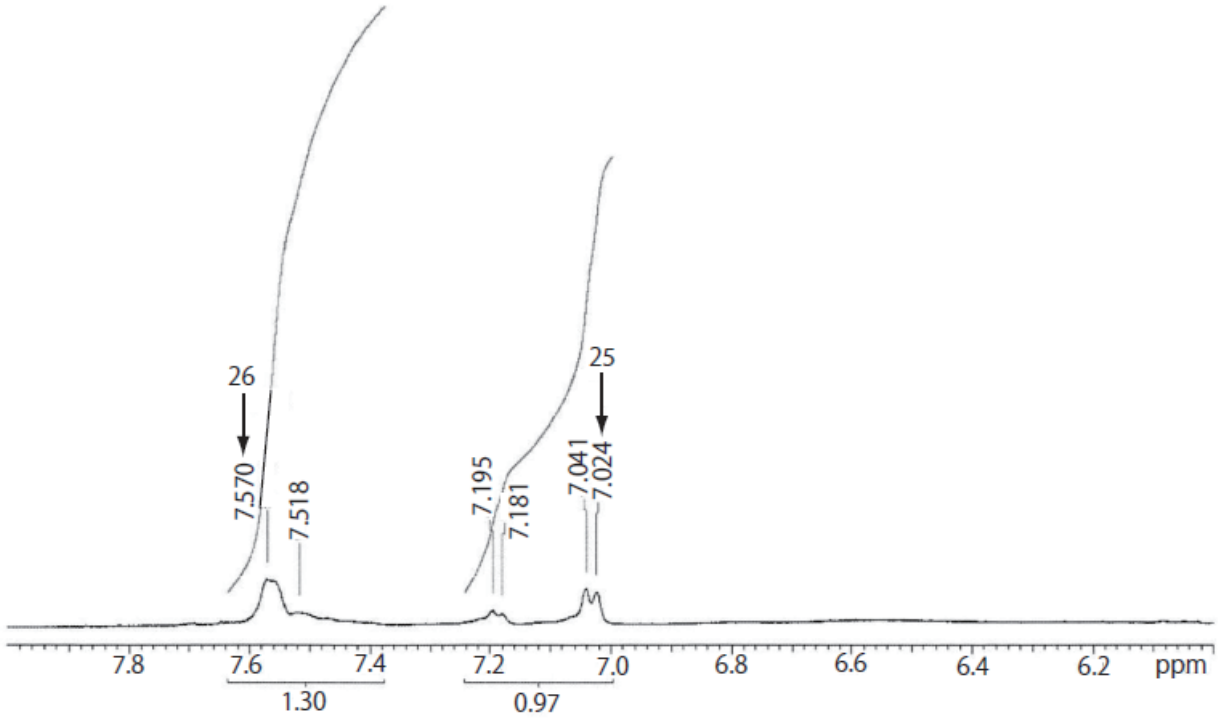


FIG. 16D

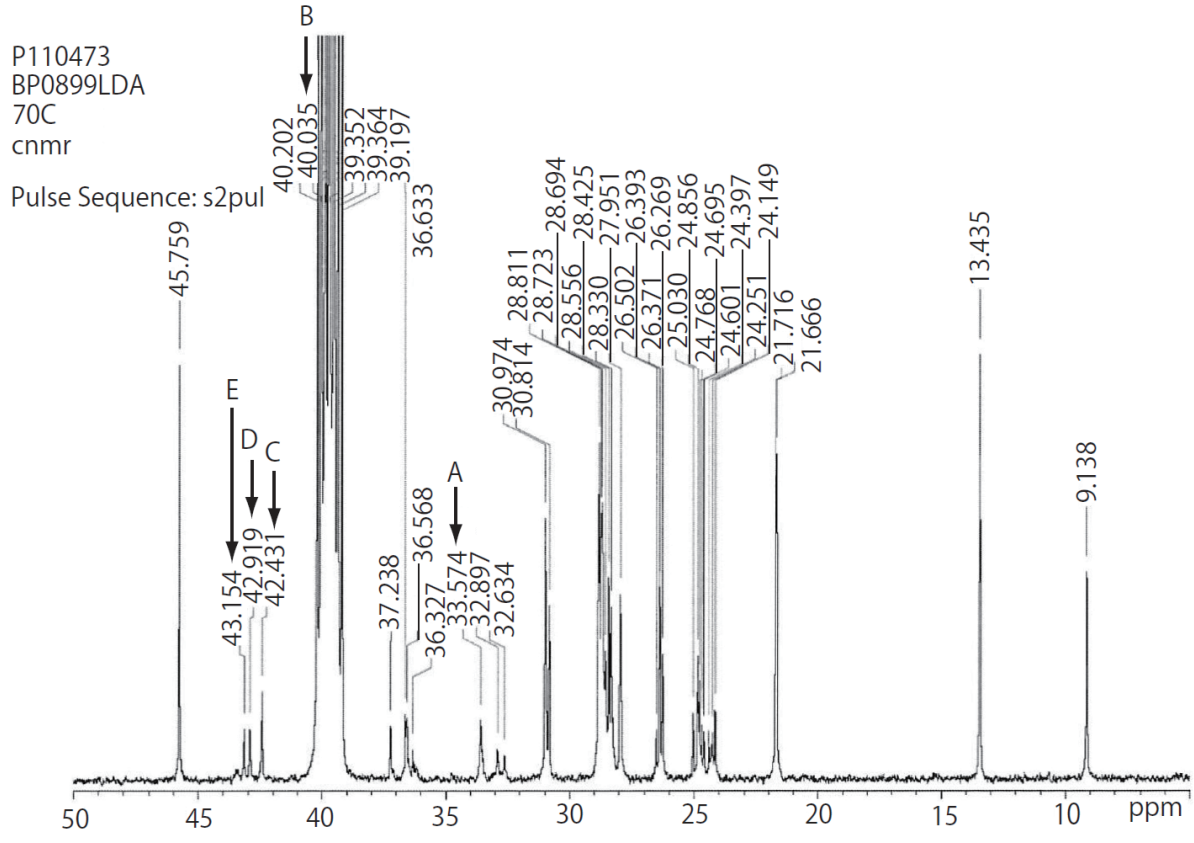


FIG. 17A

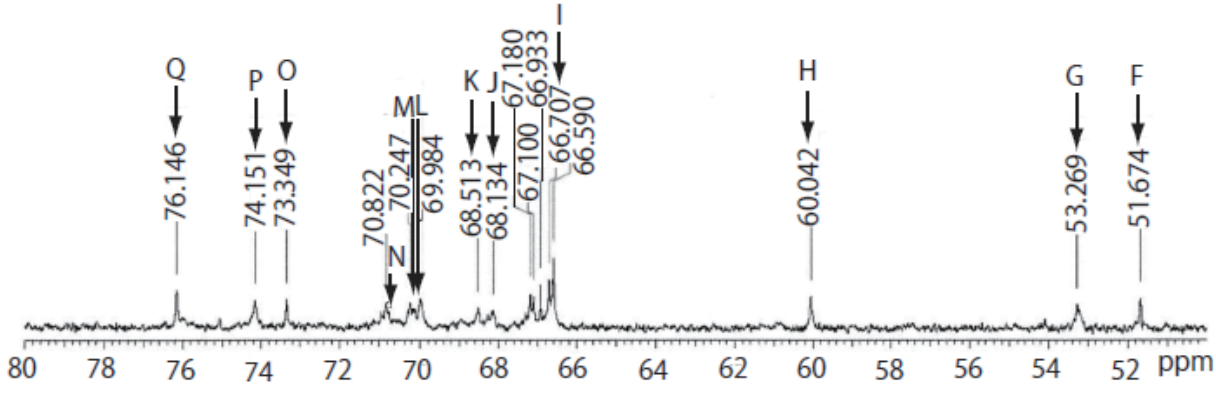


FIG. 17B

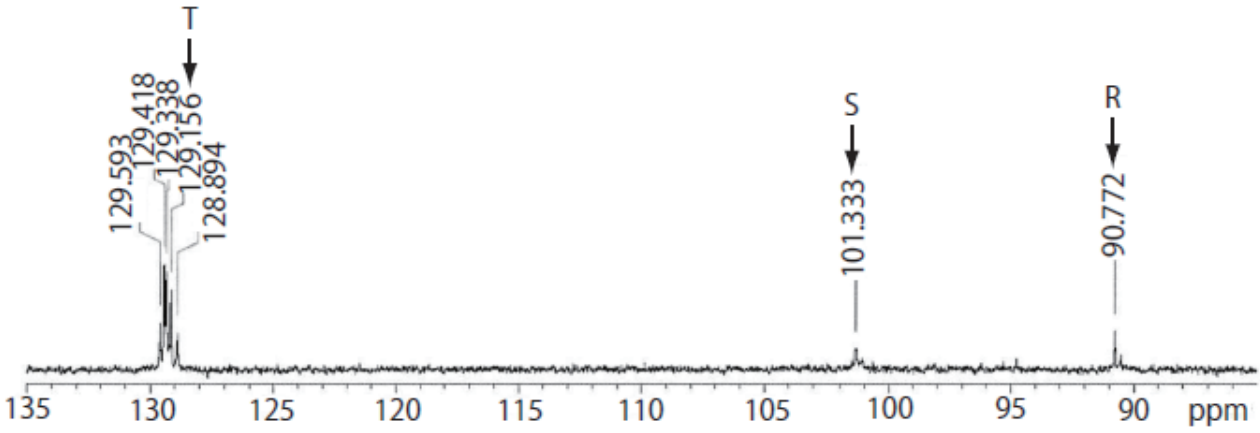


FIG. 17C

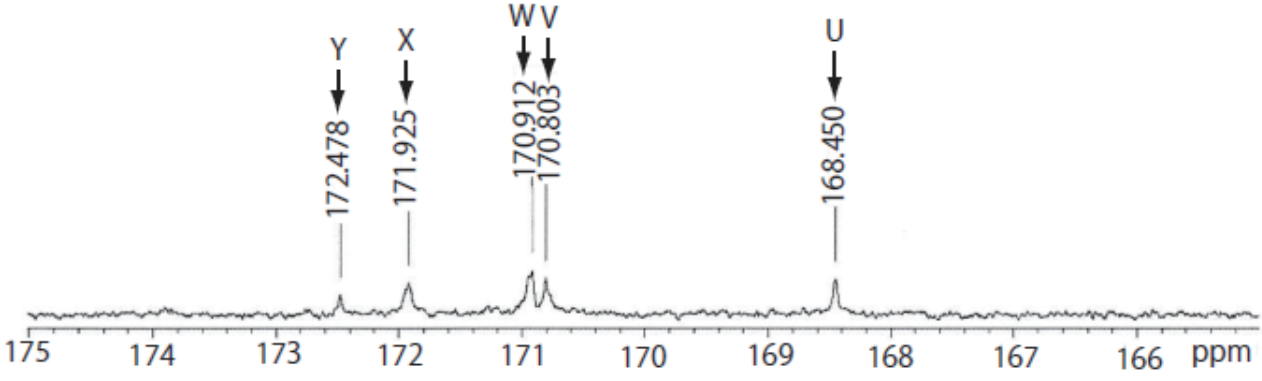


FIG. 17D

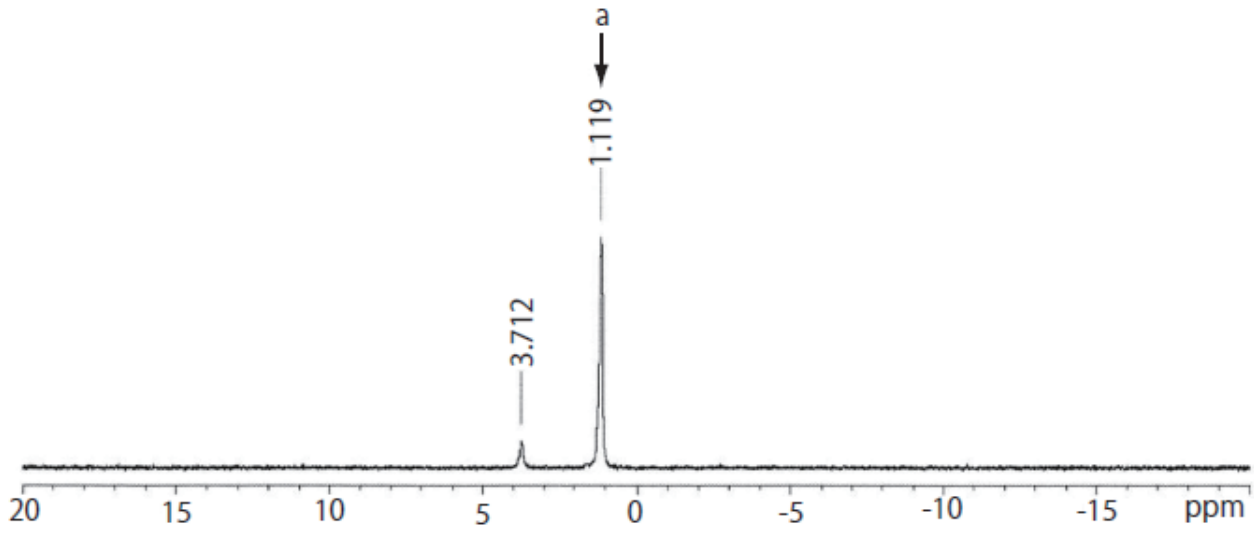


FIG. 18

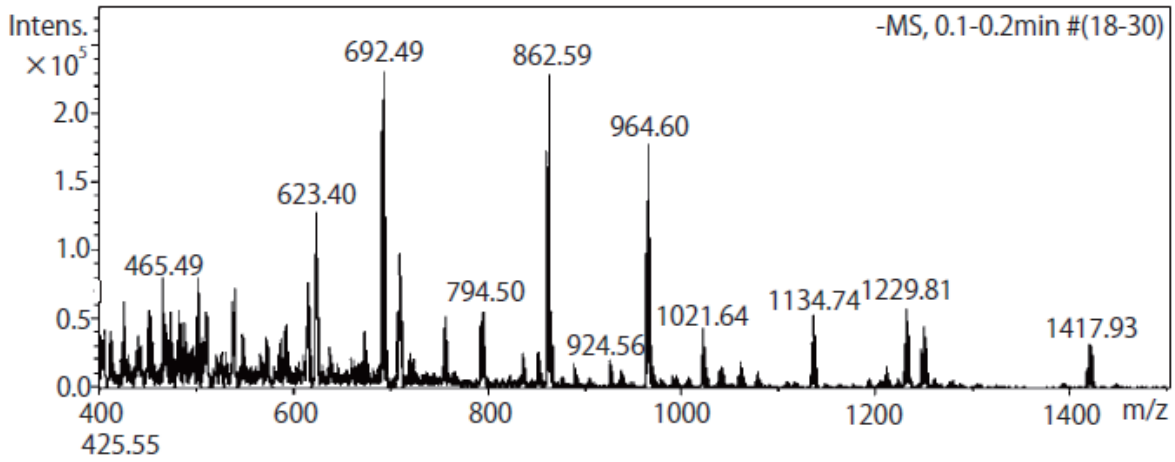


FIG. 19

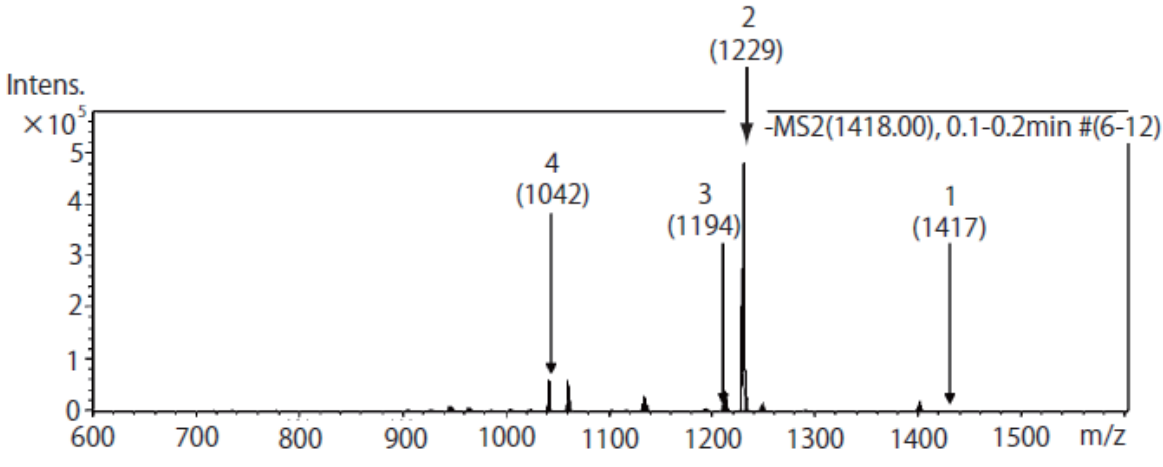


FIG. 20

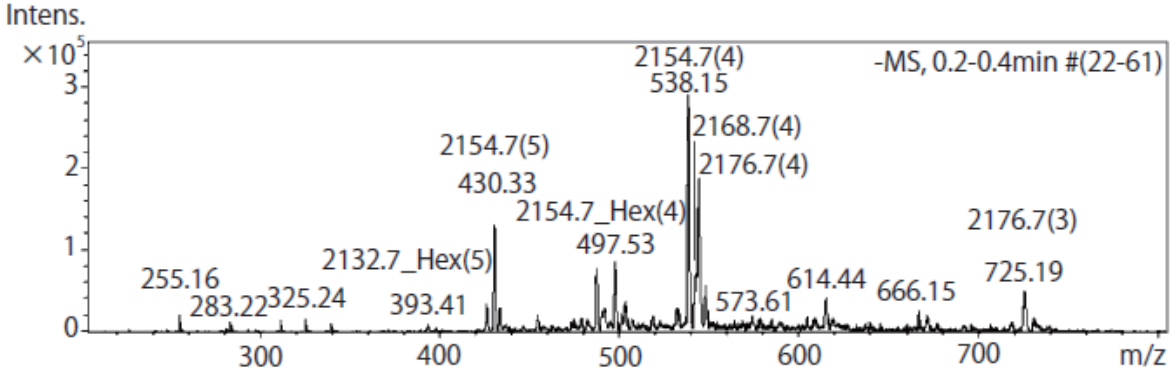

Intens.
×10^5
3
2
1
0
-MS, 0.2-0.4min #(22-61)
2154.7(4)
538.15
2168.7(4)
2176.7(4)
2154.7(5)
430.33
2154.7_Hex(4)
497.53
2132.7_Hex(5)
2176.7(3)
725.19
255.16
283.22
325.24
393.41
573.61
614.44
666.15
300
400
500
600
700
m/z

FIG. 21

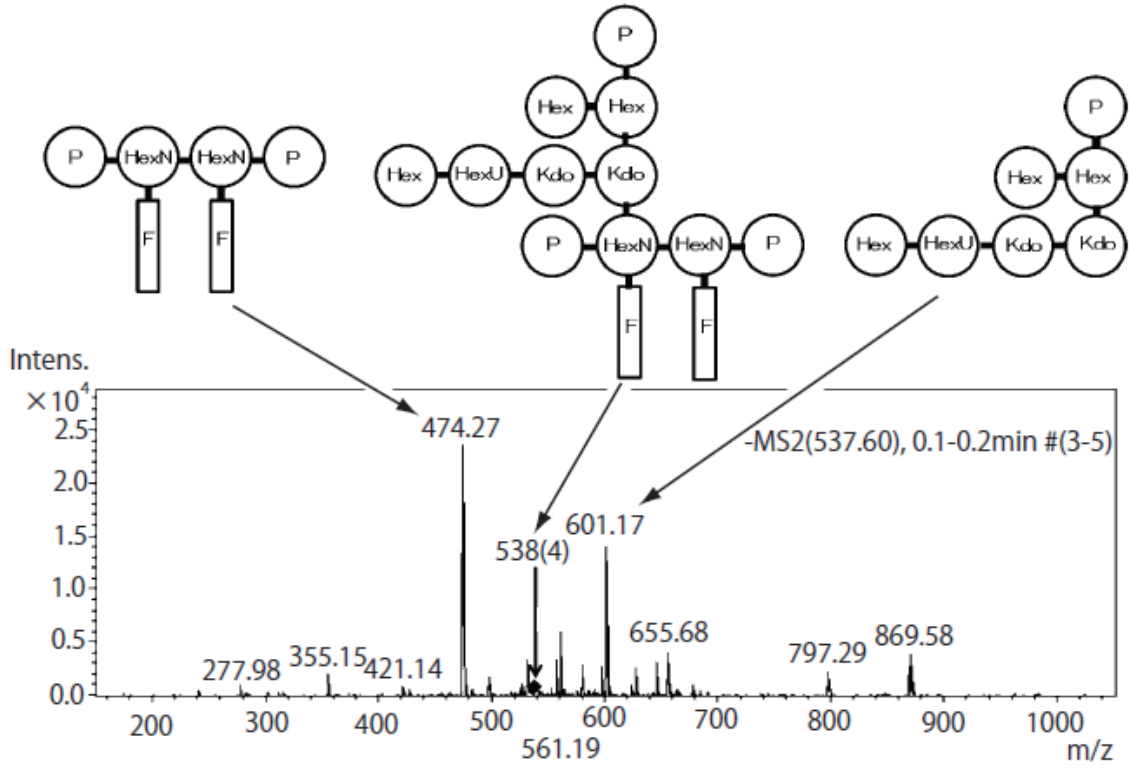

P
HexN
HexN
P
F
F
Hex
HexU
Kdo
Kdo
P
HexN
HexN
P
F
F
P
Hex
Hex
Hex
HexU
Kdo
Kdo
Intens.
×10^4
2.5
2.0
1.5
1.0
0.5
0.0
474.27
-MS2(537.60), 0.1-0.2min #(3-5)
601.17
538(4)
655.68
797.29
869.58
277.98
355.15
421.14
200
300
400
500
600
700
800
900
1000
561.19
m/z

FIG. 22

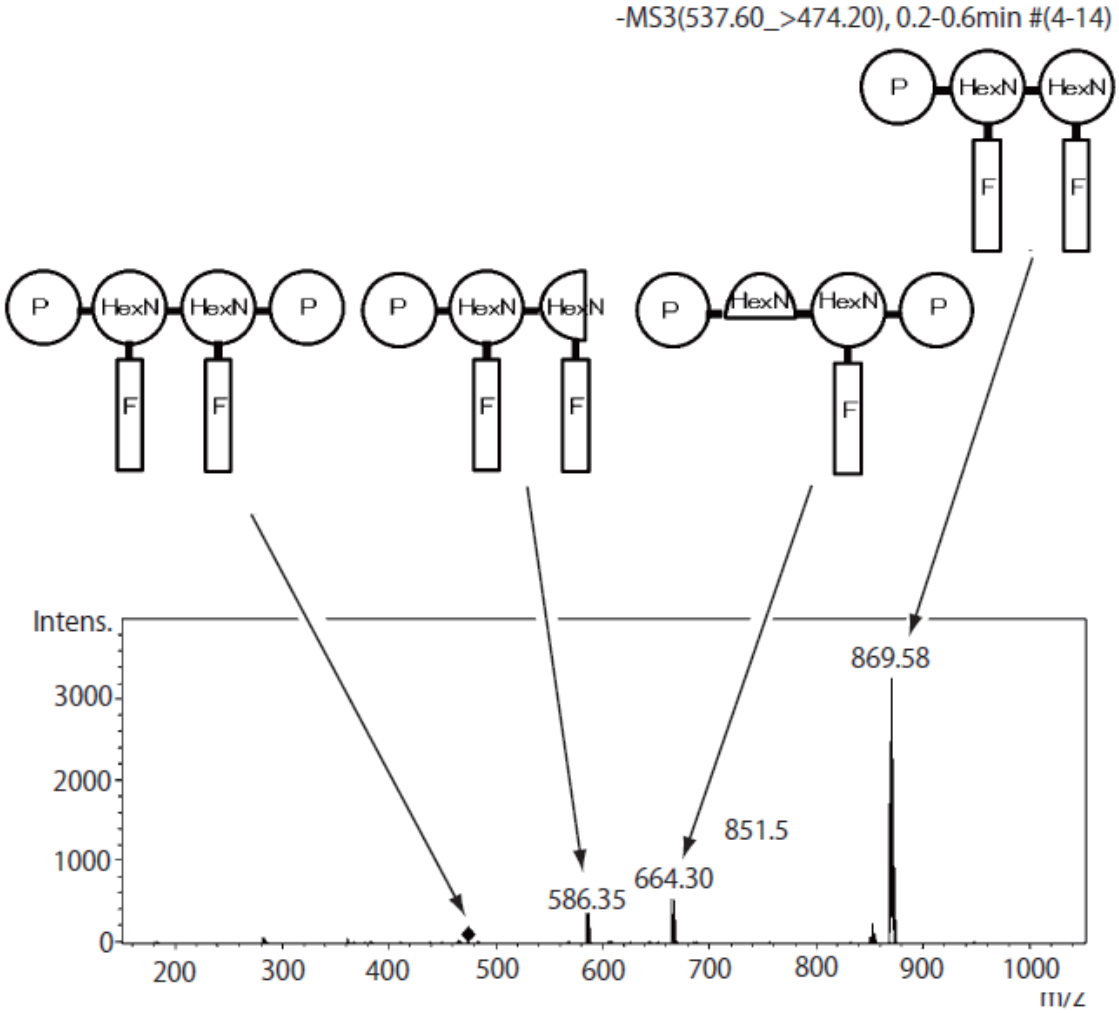

-MS3(537.60_>474.20), 0.2-0.6min #(4-14)
P
HexN
HexN
F
F
P
HexN
HexN
P
F
F
P
HexN
HexN
F
F
P
HexN
HexN
P
F
Intens.
3000
2000
1000
0
869.58
851.5
664.30
586.35
200
300
400
500
600
700
800
900
1000
m/z

FIG. 23

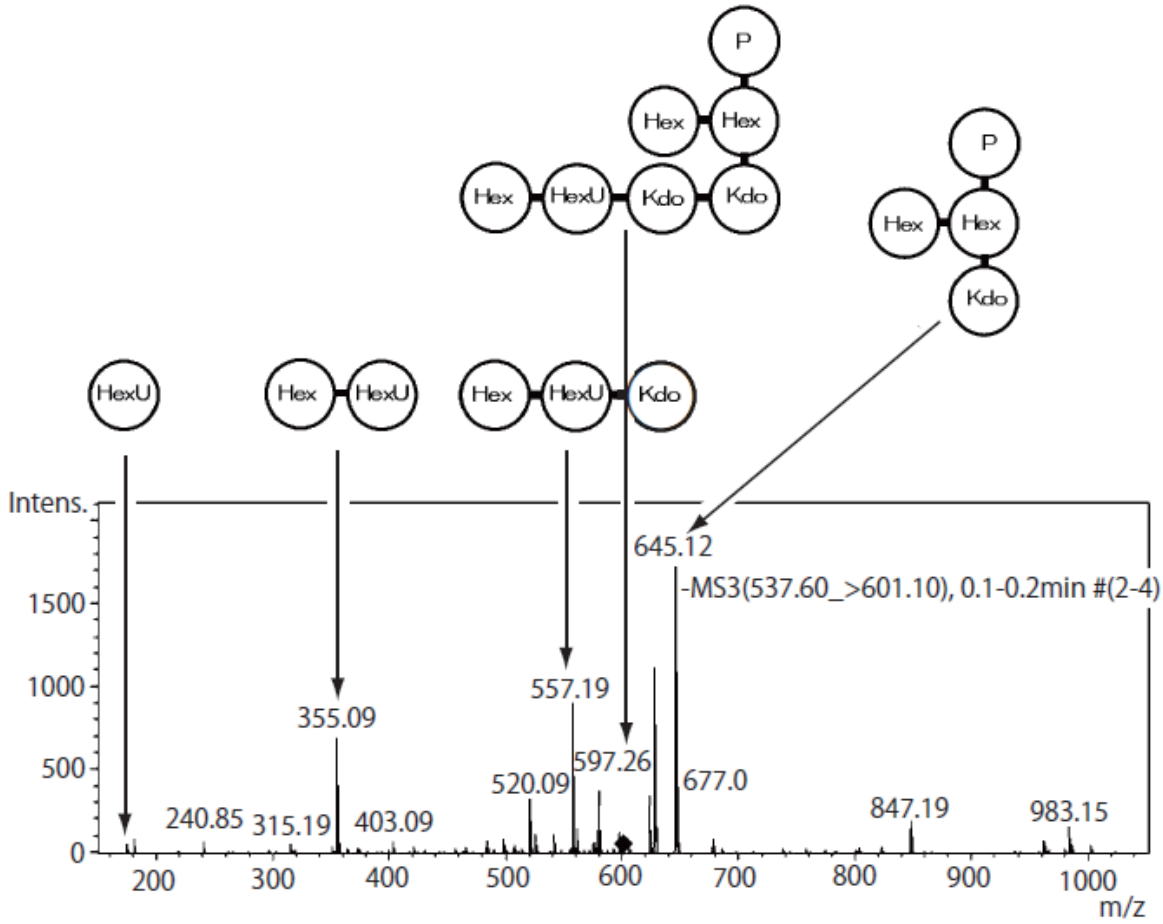

P
Hex
Hex
Hex
HexU
Kdo
Kdo
P
Hex
Hex
Kdo
HexU
Hex
HexU
Hex
HexU
Kdo
Intens.
645.12
-MS3(537.60_>601.10), 0.1-0.2min #(2-4)
1500
1000
500
0
557.19
355.09
597.26
520.09
677.0
240.85
315.19
403.09
847.19
983.15
200
300
400
500
600
700
800
900
1000
m/z

FIG. 24

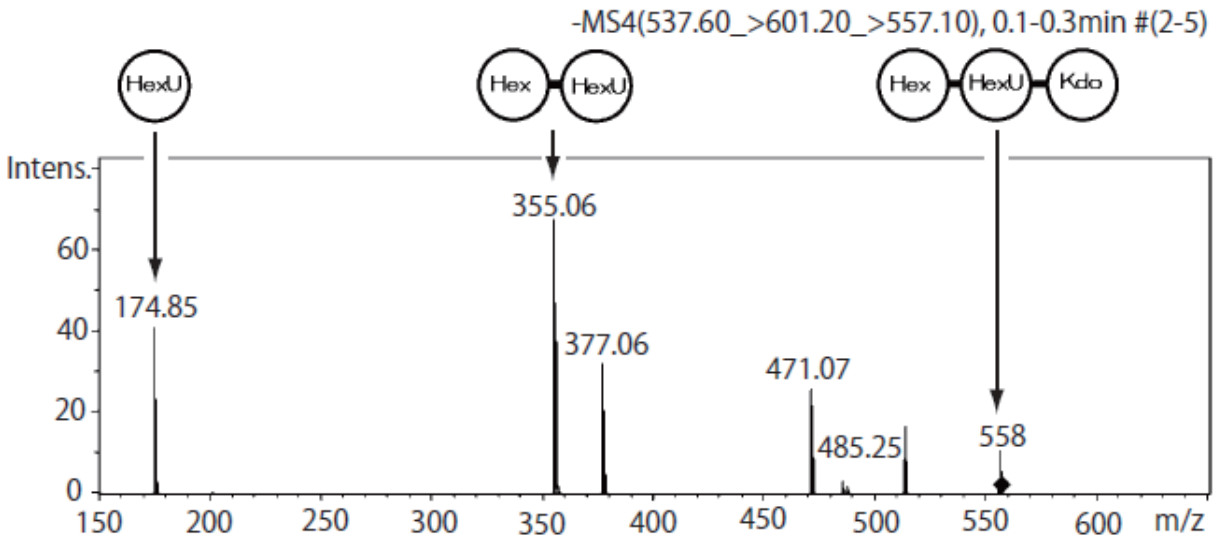

-MS4(537.60_>601.20_>557.10), 0.1-0.3min #(2-5)
HexU
Hex
HexU
Hex
HexU
Kdo
Intens.
355.06
60
40
20
0
174.85
377.06
471.07
485.25
558
150
200
250
300
350
400
450
500
550
600
m/z

FIG. 25

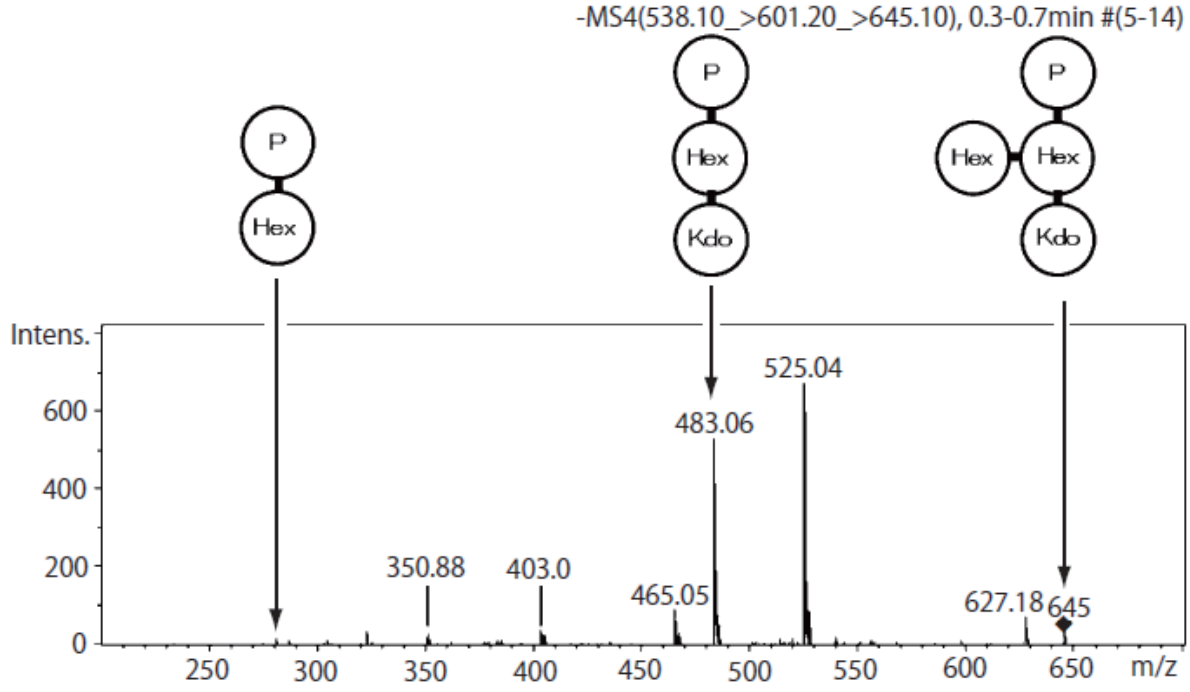

-MS4(538.10_>601.20_>645.10), 0.3-0.7min #(5-14)
P
Hex
P
Hex
Kdo
P
Hex
Hex
Kdo
Intens.
600
400
200
0
525.04
483.06
350.88
403.0
465.05
627.18
645
250
300
350
400
450
500
550
600
650
m/z

FIG. 26

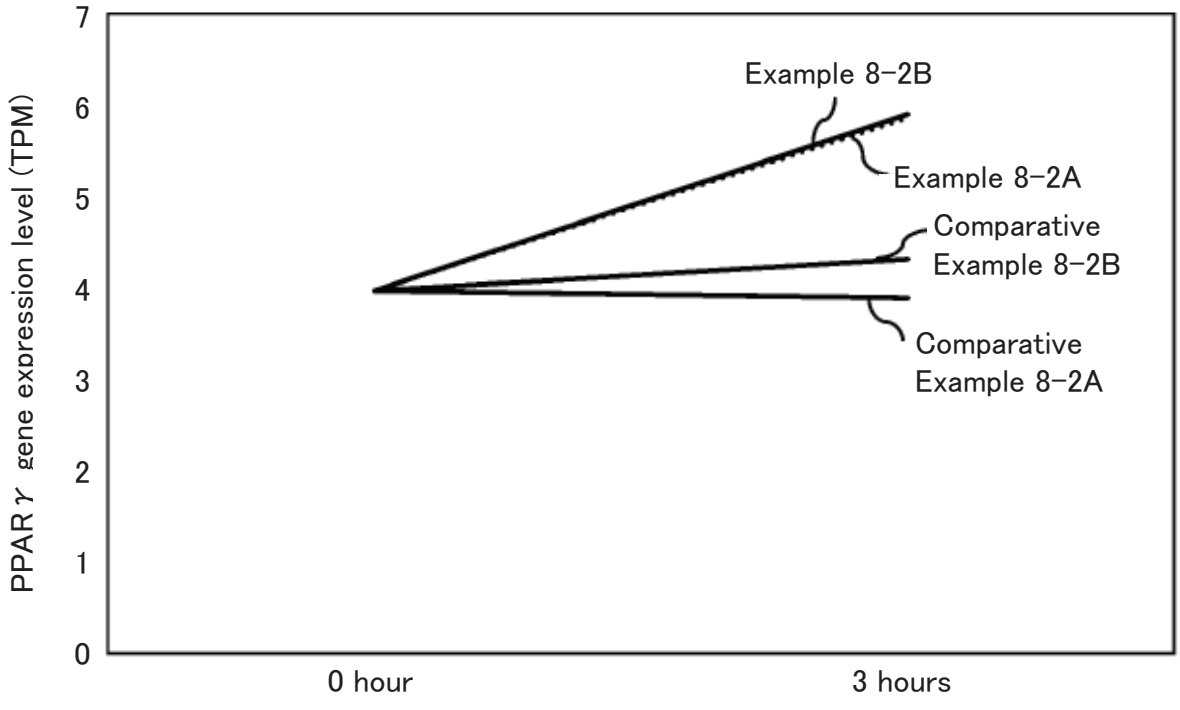

PPARγ gene expression level (TPM)
7
6
5
4
3
2
1
0
Example 8-2B
Example 8-2A
Comparative Example 8-2B
Comparative Example 8-2A
0 hour
3 hours

FIG. 27

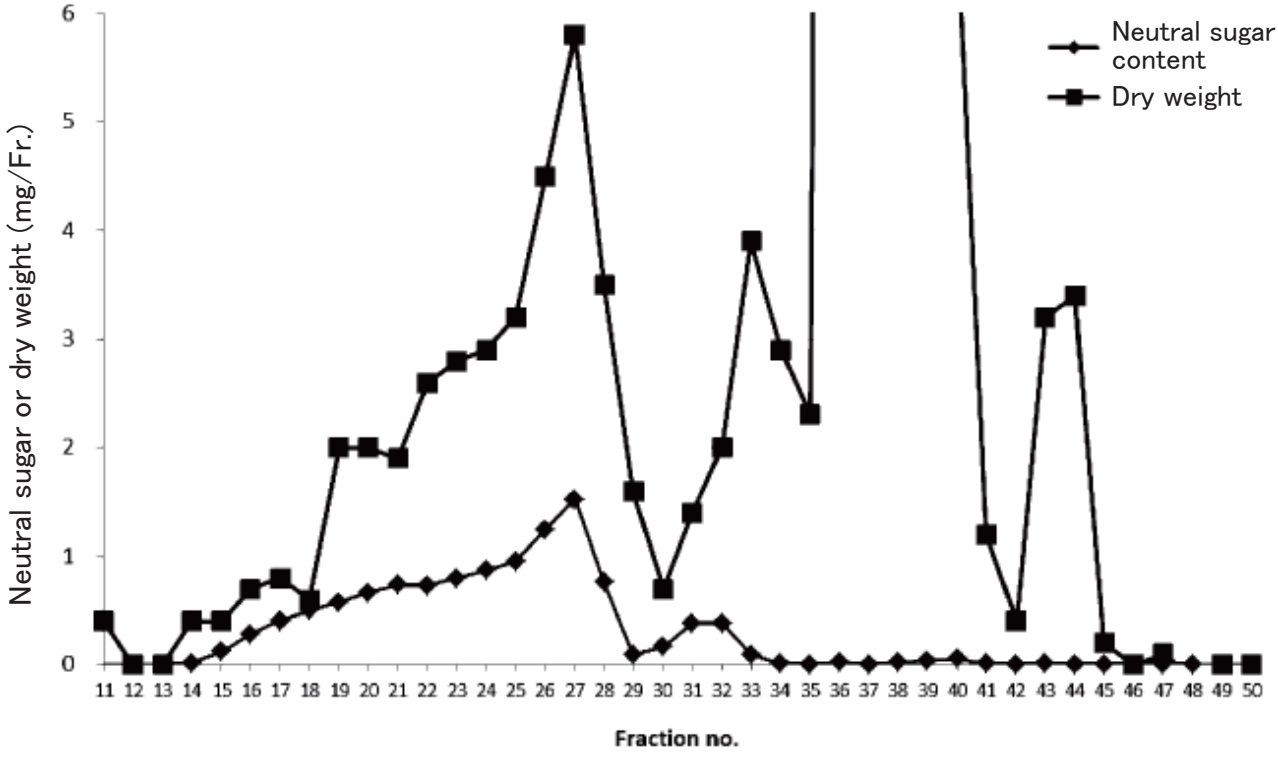

Neutral sugar content
Dry weight
Neutral sugar or dry weight (mg/Fr.)
Fraction no.
0
1
2
3
4
5
6
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

FIG. 28

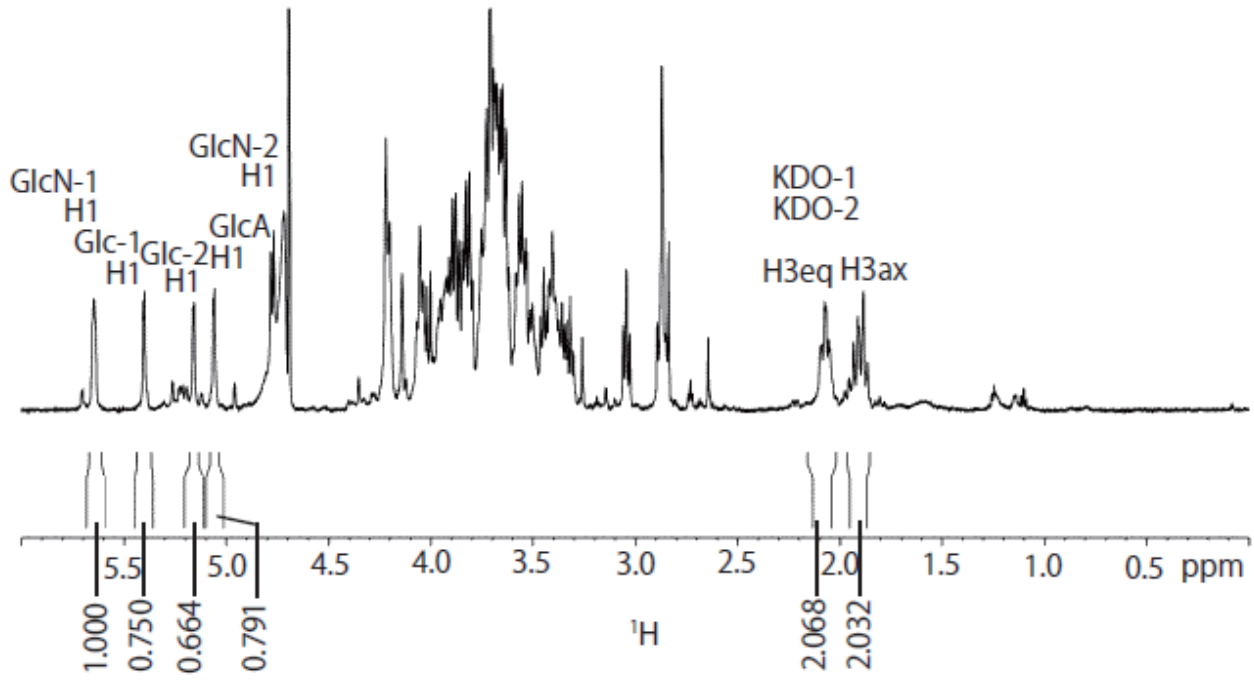

GlcN-1 H1
Glc-1 H1
Glc-2 H1
GlcA H1
GlcN-2 H1
KDO-1
KDO-2
H3eq
H3ax
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
ppm
1H
1.000
0.750
0.664
0.791
2.068
2.032

FIG. 29

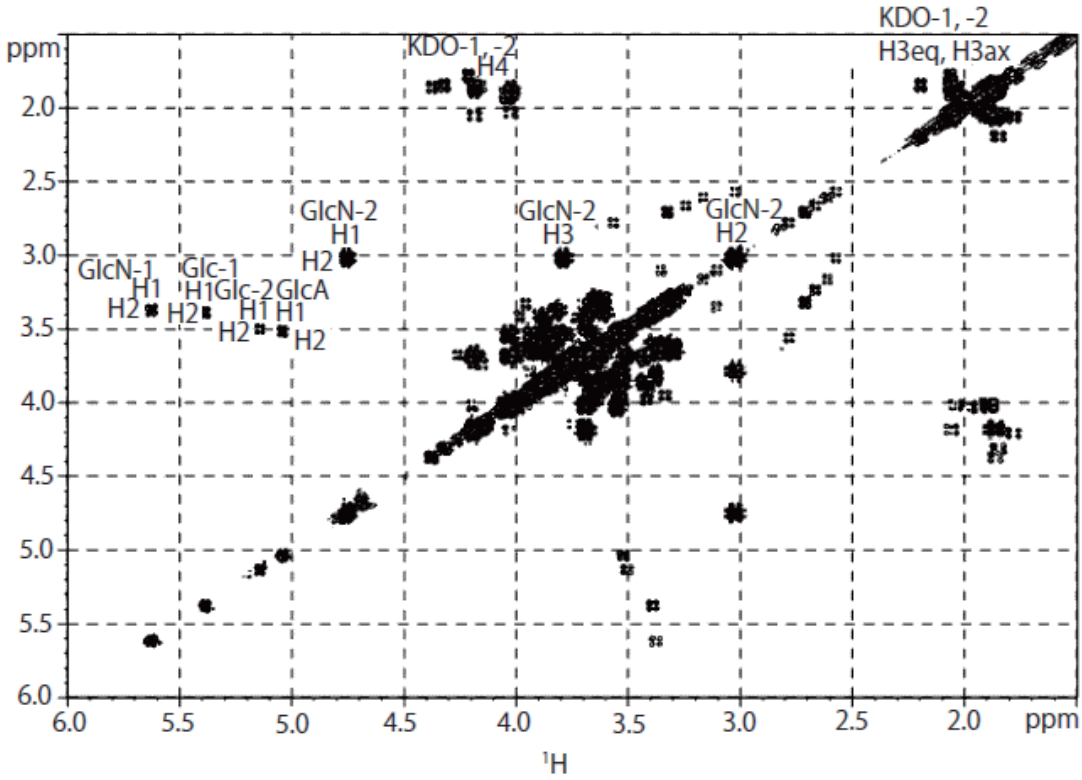

KDO-1, -2
H3eq, H3ax
KDO-1, -2
H4
GlcN-2
H1
GlcN-2
H3
GlcN-2
H2
GlcN-1
H1
H2
Glc-1
H1
H2
Glc-2
H1
H2
GlcA
H1
H2
ppm
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
ppm
¹H

FIG. 30

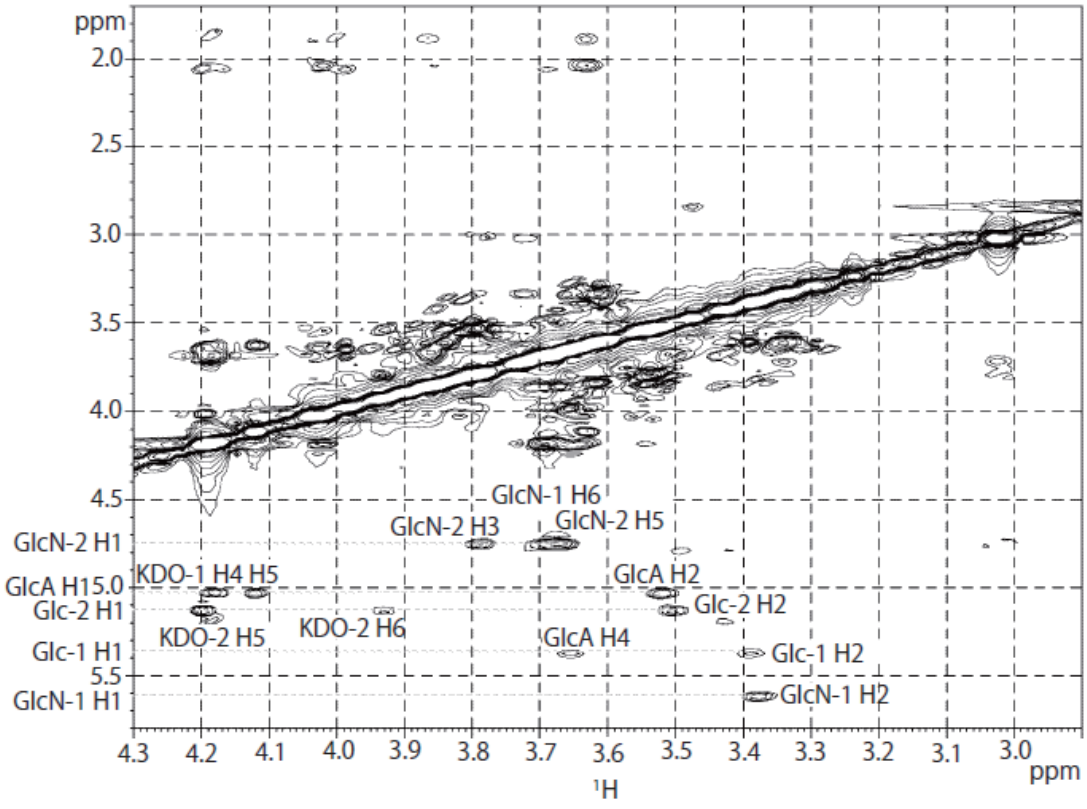

ppm
2.0
2.5
3.0
3.5
4.0
4.5
5.5
GlcN-1 H6
GlcN-2 H3
GlcN-2 H5
GlcN-2 H1
KDO-1 H4 H5
GlcA H15.0
GlcA H2
Glc-2 H1
Glc-2 H2
KDO-2 H5
KDO-2 H6
GlcA H4
Glc-1 H1
Glc-1 H2
GlcN-1 H1
GlcN-1 H2
4.3
4.2
4.1
4.0
3.9
3.8
3.7
3.6
3.5
3.4
3.3
3.2
3.1
3.0
ppm
¹H

FIG. 31

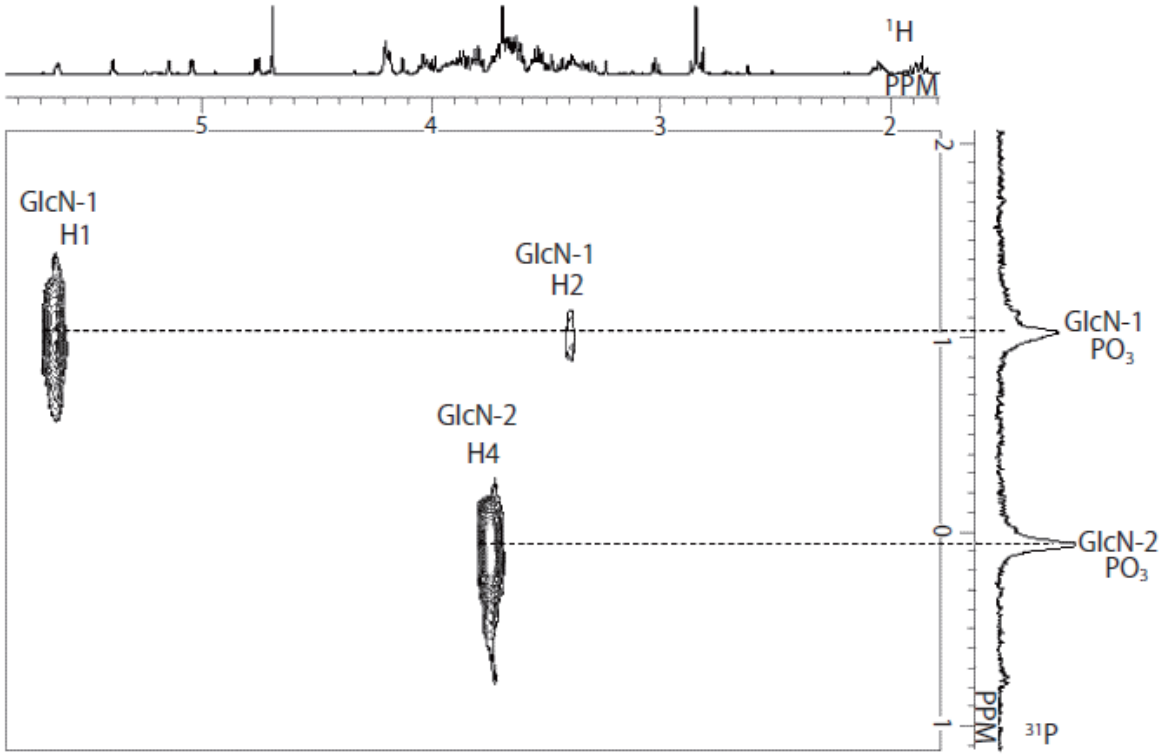

^{1}H
PPM
5
4
3
2
GlcN-1
H1
GlcN-1
H2
GlcN-2
H4
GlcN-1
PO$_3$
GlcN-2
PO$_3$
2
1
0
1
PPM
^{31}P

FIG. 32

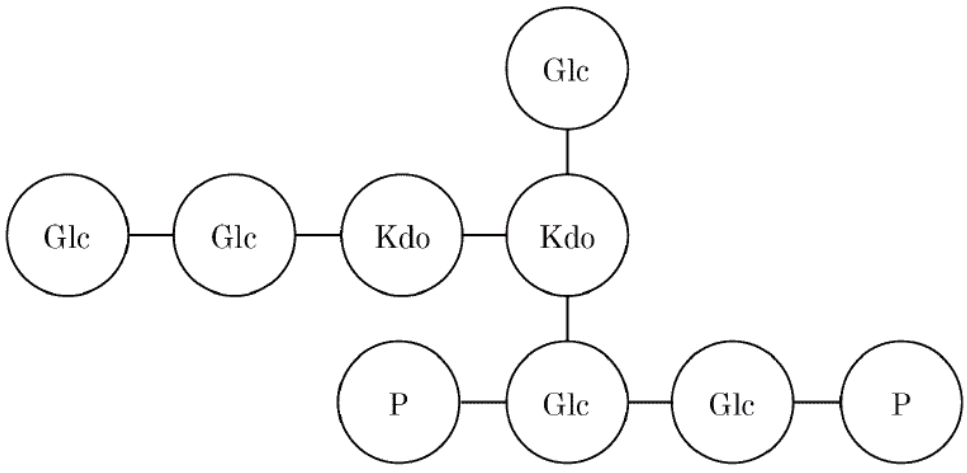

Glc
Glc
Glc
Kdo
Kdo
P
Glc
Glc
P

FIG. 33