Glucose	α-pyr		Galactose	pyr	2,4-OMe
Glucose	β-pyr		Galactose	pyr	3,4-OMe
Mannose	α-pyr		Galactose	pyr	2,6-OMe
Galactose	α-pyr		Glucose	pyr	3,6-OMe
Glucose	α-pyr	1-OMe	Glucose	pyr	4,6-OMe
Glucose	pyr	2-OMe	Glucose	pyr	2,3,4-OMe
Glucose	pyr	3-OMe	Glucose	pyr	2,3,6-OMe
Glucose	pyr	6-OMe	Glucose	pyr	2,3,4,6-OMe
Glucose	β-pyr	1,4-OMe			
Glucose	pyr	2,3-OMe	Galactose	β-fur	
Glucose	pyr	2,4-OMe	Galactose	fur	2,6-OMe

List of the 21 included fully silylated hexoses (schematic nomenclature)
The number and position of O-methyl groups in hexoses (aldopyranoses) can be determined easily from interpreted spectra as outlined in:

Svensk Papperstidning 71 (1968) 731-738

Reference mass spectra of hexoses and methylated hexoses as trimethylsilyl derivatives

Göran Petersson

Department of Engineering Chemistry
Chalmers University of Technology

The complete spectra were published on pages 624-665 in volume 1 of
Archives of Mass Spectral Data
together with spectra of pentoses on pages 666-681
Editors: Einar Stenhagen, Sixten Abrahamsson and Fred W McLafferty
Wiley, New York, 1970

Front page 2012: Göran Petersson

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TRIMETHYLSILYL 2,3,4,6-TETRA-O-TRIMETHYLSILYL-ALPHA-D-GLUCOPYRANOSIDE GOT-0970 MW: 540.2610

C21 H52 SI5 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

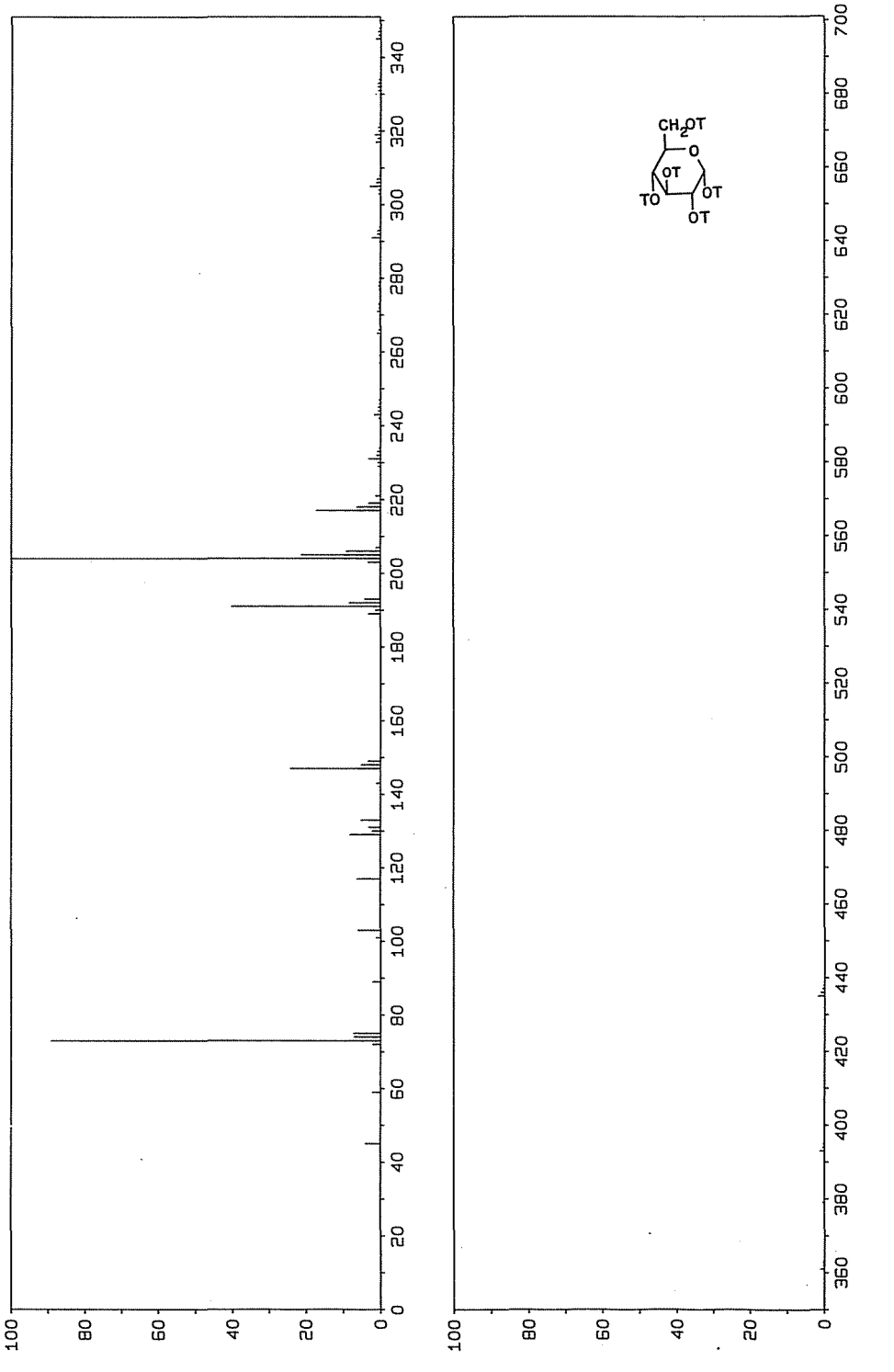
TOT: 4264 MOST ABUNDANT PEAKS:204 73 191 147 205 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
45	40	131	30	204	1000	233	7	267	1	304	3	332	6	394	4
59	20	133	50	205	210	234	1	271	5	305	25	333	4	395	2
72	20	143	10	206	90	242	3	272	1	306	9	334	2	405	1
73	890	147	240	207	10	243	14	273	2	307	6	345	10	407	1
74	70	148	50	217	170	244	4	277	1	308	1	346	3	435	17
75	70	149	30	218	60	245	4	278	2	317	10	347	4	436	8
89	20	189	30	219	30	246	1	279	2	318	5	348	1	437	5
101	10	190	10	221	10	247	2	291	20	319	12	361	10	438	1
103	60	191	400	229	4	257	2	292	6	320	4	362	3	525	1
117	60	192	80	230	5	259	1	293	4	321	4	363	2		
129	80	193	40	231	30	265	8	294	1	322	1	379	3		
130	20	203	30	232	7	266	2	303	2	331	3	393	11		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
GLC INLET (MOLECULE SEPARATOR); PHASE:OF-1. CORRECTED FOR BLEEDING.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL 2,3,4,6-TETRA-O-TRIMETHYLSILYL-ALPHA-D-GLUCOPYRANOSIDE MW 540.2610

GOT 970 C21 H52 SI5 O6



626

TRIMETHYLSILYL 2,3,4,6-TETRA-O-TRIMETHYLSILYL-BETA-D-GLUCOPYRANOSIDE GOT-0999 MW: 540.2610

C21 H52 S15 06

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

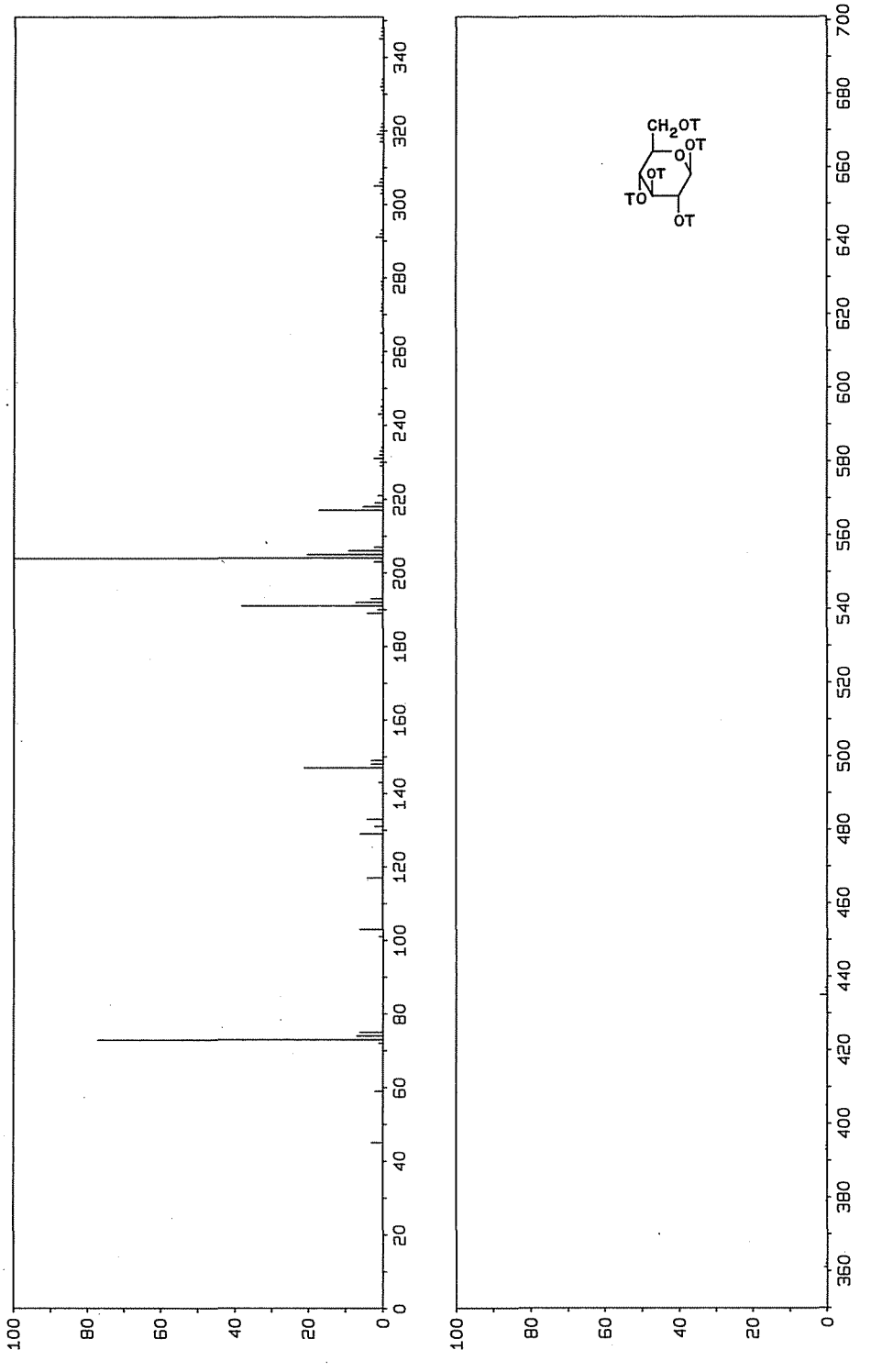
TOT: 3852 MOST ABUNDANT PEAKS:204 73 191 147 205 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
45	30	133	40	204	1000	232	5	271	4	305	21	333	3	394	2
59	20	143	10	205	200	233	7	272	1	306	8	334	1	395	1
72	10	147	210	206	90	234	1	273	2	307	4	345	10	405	2
73	770	148	30	207	20	242	2	277	1	317	7	346	3	407	1
74	70	149	30	217	170	243	10	278	2	318	4	347	4	435	18
75	60	189	40	218	50	244	3	279	2	319	15	348	2	436	7
101	10	190	10	219	20	245	3	291	17	320	5	361	8	437	4
103	60	191	380	221	10	247	2	292	5	321	5	362	3	438	1
117	40	192	70	229	6	257	2	293	3	322	1	363	2		
129	60	193	30	230	4	259	1	303	3	331	3	379	2		
131	20	203	20	231	23	265	4	304	3	332	5	393	4		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
GLC INLET (MOLECULE SEPARATOR); PHASE:OF-1. CORRECTED FOR BLEEDING.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL 2,3,4,6-TETRA-O-TRIMETHYLSILYL-BETA-D-GLUCOPYRANOSIDE MW 540.2610

GOT 999 C21 H52 SI5 O6



628

TRIMETHYLSILYL 2,3,4,6-TETRA-O-TRIMETHYLSILYL-ALPHA-D-MANNOPYRANOSIDE GOT-0145 MW: 540.2610

C21 H52 S15 06

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DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

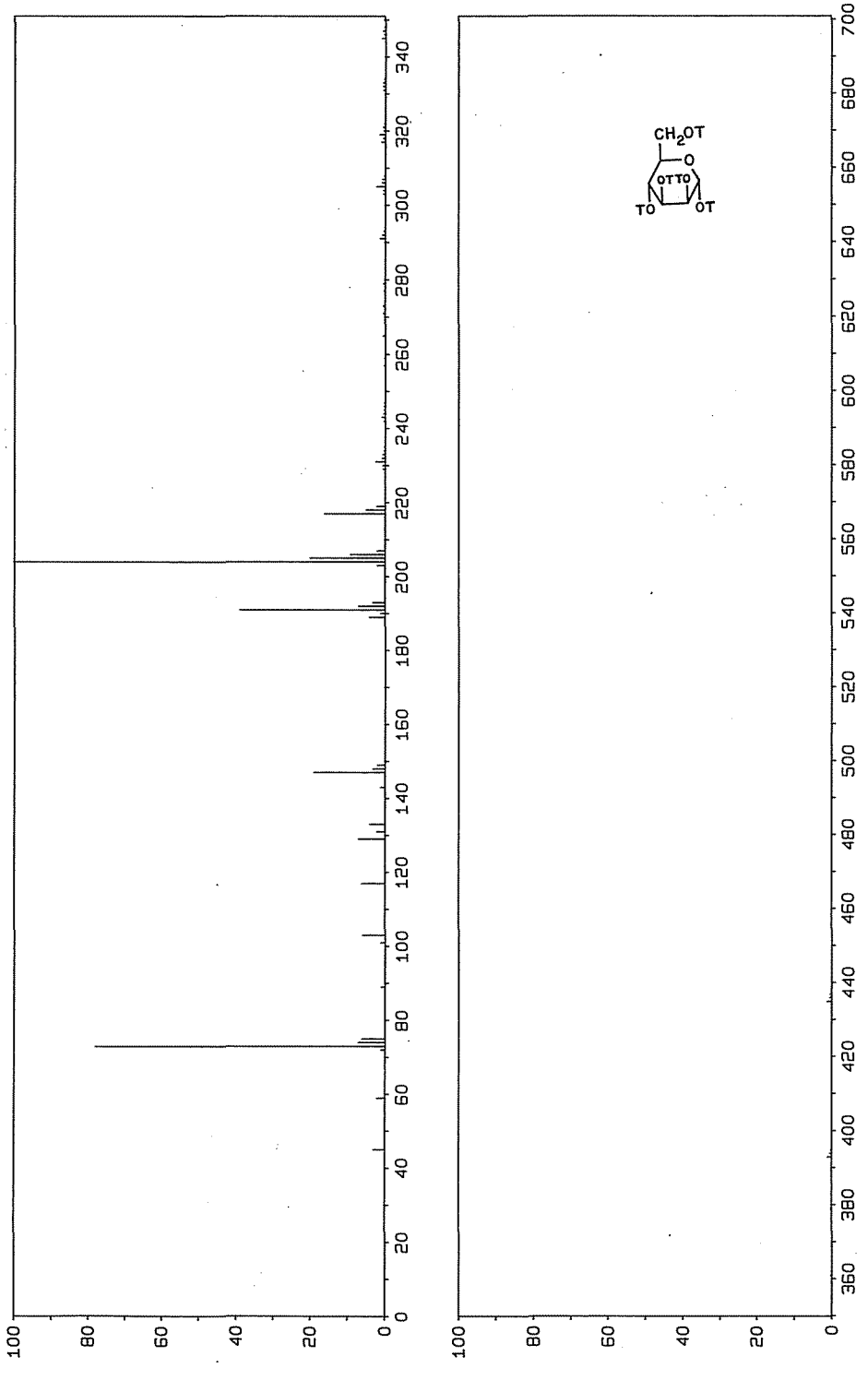
TOT: 3814 MOST ABUNDANT PEAKS:204 73 191 205 147 INLET TEMP:200 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
45	30	131	20	203	20	232	5	259	1	305	20	332	4	394	4
59	20	133	40	204	1000	233	5	265	3	306	7	333	3	395	2
72	10	143	10	205	200	234	1	271	3	307	4	334	1	435	11
73	780	147	190	206	90	235	1	273	2	308	1	345	6	436	5
74	70	148	30	207	20	242	2	277	1	317	7	346	2	437	3
75	60	149	20	217	160	243	8	279	2	318	3	347	3		
89	10	189	40	218	50	244	2	291	12	319	12	348	1		
101	10	190	10	219	20	245	3	292	4	320	3	361	4		
103	60	191	390	229	4	246	1	293	2	321	3	362	1		
117	60	192	70	230	4	247	1	303	3	322	1	379	1		
129	70	193	30	231	25	257	1	304	3	331	2	393	11		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
GLC INLET (MOLECULE SEPARATOR); PHASE:SE-30. CORRECTED FOR BLEEDING.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL 2,3,4,6-TETRA-O-TRIMETHYLSILYL-ALPHA-D-MANNOPYRANOSIDE MW 540.2610

GOT 145 C21 H52 SI5 O6



630

TRIMETHYLSILYL2,3,4,6-TETRA-O-TRIMETHYLSILYL-ALPHA-D-GALACTOPYRANOSIDE GOT-0971 MW: 540.2610

C21 H52 SI5 O6

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GOTHENBURG, SWEDEN

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

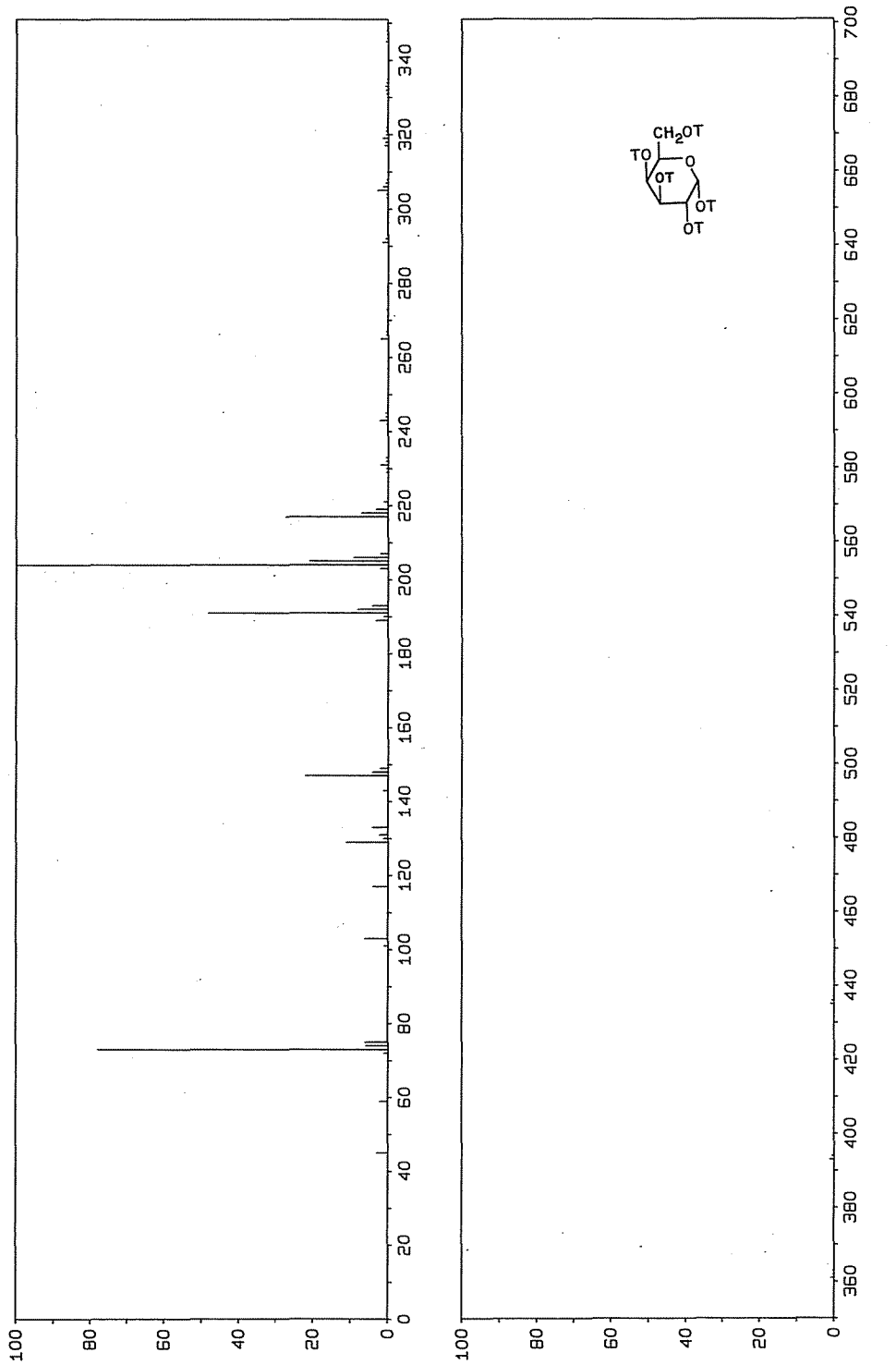
TOT: 4165 MOST ABUNDANT PEAKS:204 73 191 217 147 INLET TEMP:200 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
45	30	131	20	203	20	231	18	266	4	304	2	331	3	363	1
59	20	133	40	204	1000	232	4	267	2	305	27	332	4	393	11
72	10	143	10	205	210	233	4	271	2	306	10	333	5	394	4
73	780	147	220	206	90	242	2	273	1	307	5	334	2	395	2
74	60	148	40	207	20	243	19	277	1	308	1	335	1	407	1
75	60	149	20	217	270	244	4	278	1	317	9	345	4	435	9
101	10	189	30	218	70	245	4	279	1	318	5	346	2	436	4
103	60	190	10	219	30	247	1	291	13	319	13	347	2	437	2
117	40	191	480	221	10	257	1	292	5	320	4	348	1		
129	110	192	80	229	3	259	1	293	2	321	3	361	7		
130	10	193	40	230	4	265	18	303	3	322	1	362	2		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
GLC INLET (MOLECULE SEPARATOR); PHASE:SE-30. CORRECTED FOR BLEEDING.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL2,3,4,6-TETRA-O-TRIMETHYLSILYL-ALPHA-D-GALACTOPYRANOSIDE MW 540.2610

GOT 971 C21 H52 SI5 O6



632

METHYL 2,3,4,6-TETRA-O-TRIMETHYLSILYL-ALPHA-D-GLUCOPYRANOSIDE GOT-0034 MW: 482.2372

C19 H46 SI4 O6

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GOTHENBURG, SWEDEN

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

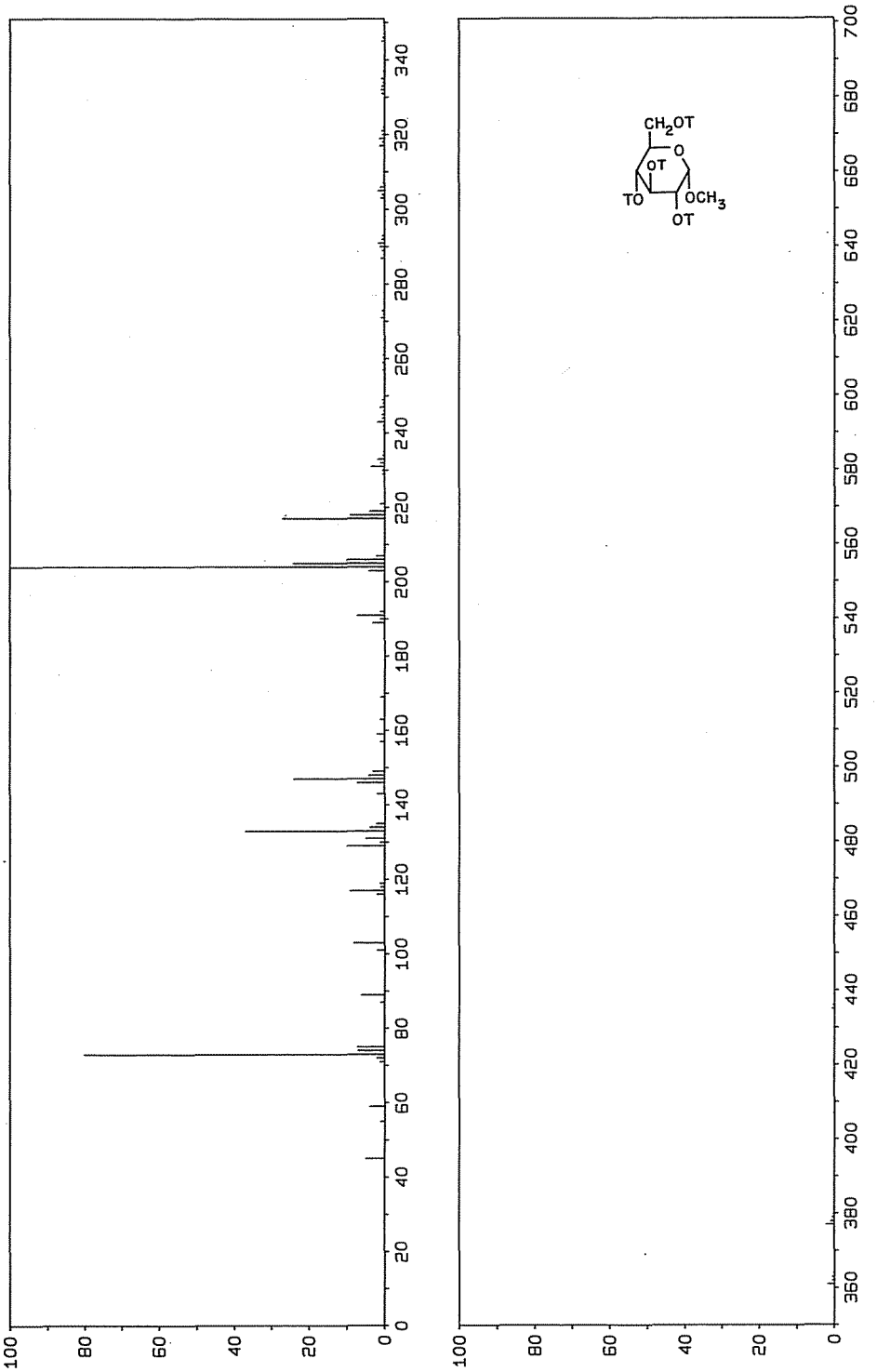
TOT: 4734 MOST ABUNDANT PEAKS:204 73 133 217 147 INLET TEMP:220 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
45	50	119	10	169	10	230	3	255	2	289	4	322	2	378	7
55	10	129	100	189	30	231	35	257	3	290	12	331	5	379	5
59	40	130	10	190	10	232	8	258	1	291	14	332	8	380	1
71	10	131	50	191	70	233	17	259	3	292	6	333	5	393	1
72	20	133	370	192	10	234	3	260	2	293	3	334	3	407	1
73	800	134	40	203	40	235	2	261	3	303	10	335	6	435	5
74	70	135	20	204	1000	241	1	262	1	304	4	336	2	436	2
75	70	143	20	205	240	242	3	263	1	305	17	337	1	437	1
87	10	146	70	206	100	243	16	265	3	306	9	345	7	467	2
89	60	147	240	207	20	244	5	271	7	307	3	346	3		
101	20	148	40	217	270	245	5	272	2	317	10	347	2		
103	80	149	30	218	90	246	2	273	3	318	4	361	17		
116	20	157	10	219	40	247	10	275	1	319	11	362	5		
117	90	159	20	221	10	248	3	287	7	320	4	363	4		
118	10	163	10	229	4	249	4	288	2	321	5	377	21		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
GLC INLET (MOLECULE SEPARATOR); PHASE:SE-30. CORRECTED FOR BLEEDING.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

METHYL 2,3,4,6-TETRA-O-TRIMETHYLSILYL-ALPHA-D-GLUCOPYRANOSIDE MW 482.2372

GOT 34 C19 H46 SI4 O6



TRIMETHYLSILYL 2-O-METHYL-3,4,6-TRI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE GOT-0033 MW: 482.2372

C19 H46 SI4 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. I. CROON, ORNSKOLDSVIK, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

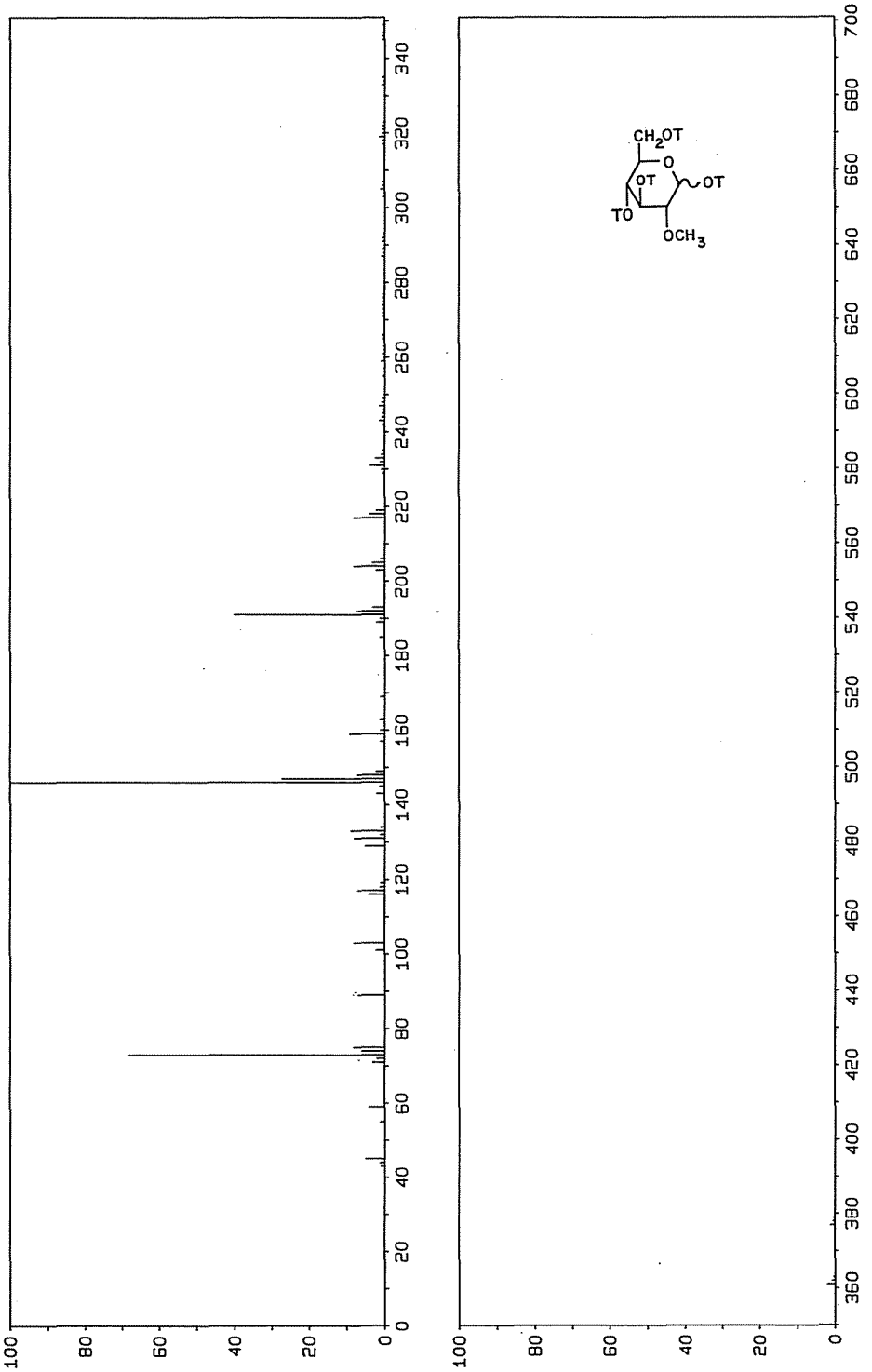
TOT: 4179 MOST ABUNDANT PEAKS:146 73 191 147 133 INLET TEMP:220 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
43	10	117	70	157	10	206	10	245	6	271	4	304	2	345	6
44	10	118	10	159	90	217	80	246	1	272	1	305	8	346	1
45	50	119	10	160	10	218	40	247	13	273	3	306	4	347	1
55	10	129	50	163	10	219	20	248	5	274	3	307	2	349	1
59	40	131	80	169	10	229	3	249	4	275	1	317	3	361	21
71	30	132	10	185	10	230	5	255	2	276	1	318	3	362	6
72	20	133	90	189	20	231	37	257	2	277	1	319	13	363	4
73	680	134	10	190	10	232	9	259	7	287	6	320	3	377	11
74	60	143	20	191	400	233	23	260	2	288	1	321	5	378	5
75	80	145	10	192	70	234	6	261	3	289	3	322	2	379	3
89	70	146	1000	193	30	235	4	262	2	291	4	323	1	435	2
101	20	147	270	203	20	242	1	263	1	292	3	333	5		
103	80	148	70	204	80	243	13	265	2	293	2	334	1		
116	40	149	20	205	30	244	4	266	2	303	2	335	4		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:SE-30.CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL 2-O-METHYL-3,4,6-TRI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE MW 482.2372

GOT 33 C19 H46 SI4 O6



636

TRIMETHYLSILYL 3-O-METHYL-2,4,6-TRI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE GOT-0022 MW: 482.2372

C19 H46 SI4 O6

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DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

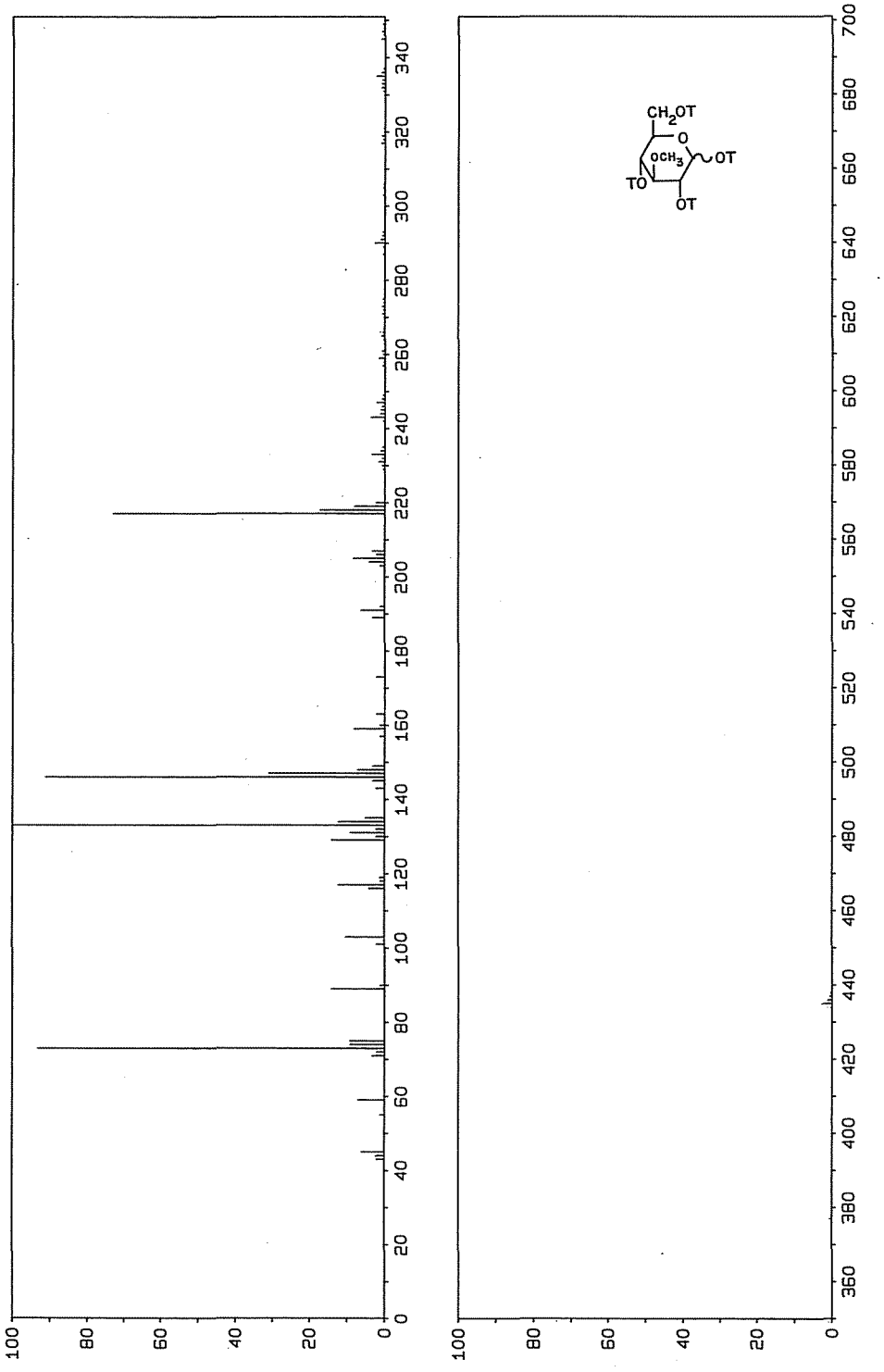
TOT: 6405 MOST ABUNDANT PEAKS:133 73 146 217 147 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
43	20	116	40	147	310	206	20	243	35	265	6	303	3	337	3
44	20	117	120	148	70	207	30	244	9	266	2	305	1	345	7
45	60	118	10	149	30	217	730	245	9	267	1	306	1	346	2
55	10	119	10	157	10	218	170	246	4	271	3	317	7	347	4
59	70	129	140	159	80	219	80	247	20	272	1	318	3	348	1
71	30	130	20	160	10	220	20	248	4	273	3	319	4	349	2
72	20	131	90	163	20	229	3	249	3	274	1	320	1	361	1
73	930	132	20	173	20	230	4	257	3	275	2	321	1	377	4
74	90	133	1000	189	30	231	15	258	2	287	3	331	3	378	1
75	90	134	120	191	60	232	4	259	13	289	1	332	5	434	1
89	140	135	50	192	10	233	33	260	4	290	24	333	7	435	27
90	10	143	20	203	10	234	7	261	5	291	7	334	4	436	10
101	20	145	30	204	40	235	4	263	2	292	5	335	21	437	6
103	100	146	910	205	80	242	2	264	1	293	2	336	6	438	2

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:SE-30.CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL 3-O-METHYL-2,4,6-TRI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE MW 482.2372

GOT 22 C19 H46 SI4 O6



638

TRIMETHYLSILYL 6-O-METHYL-2,3,4-TRI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE GOT-0270 MW: 482.2372

C19 H46 SI4 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. B. LINDBERG, STOCKHOLM, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

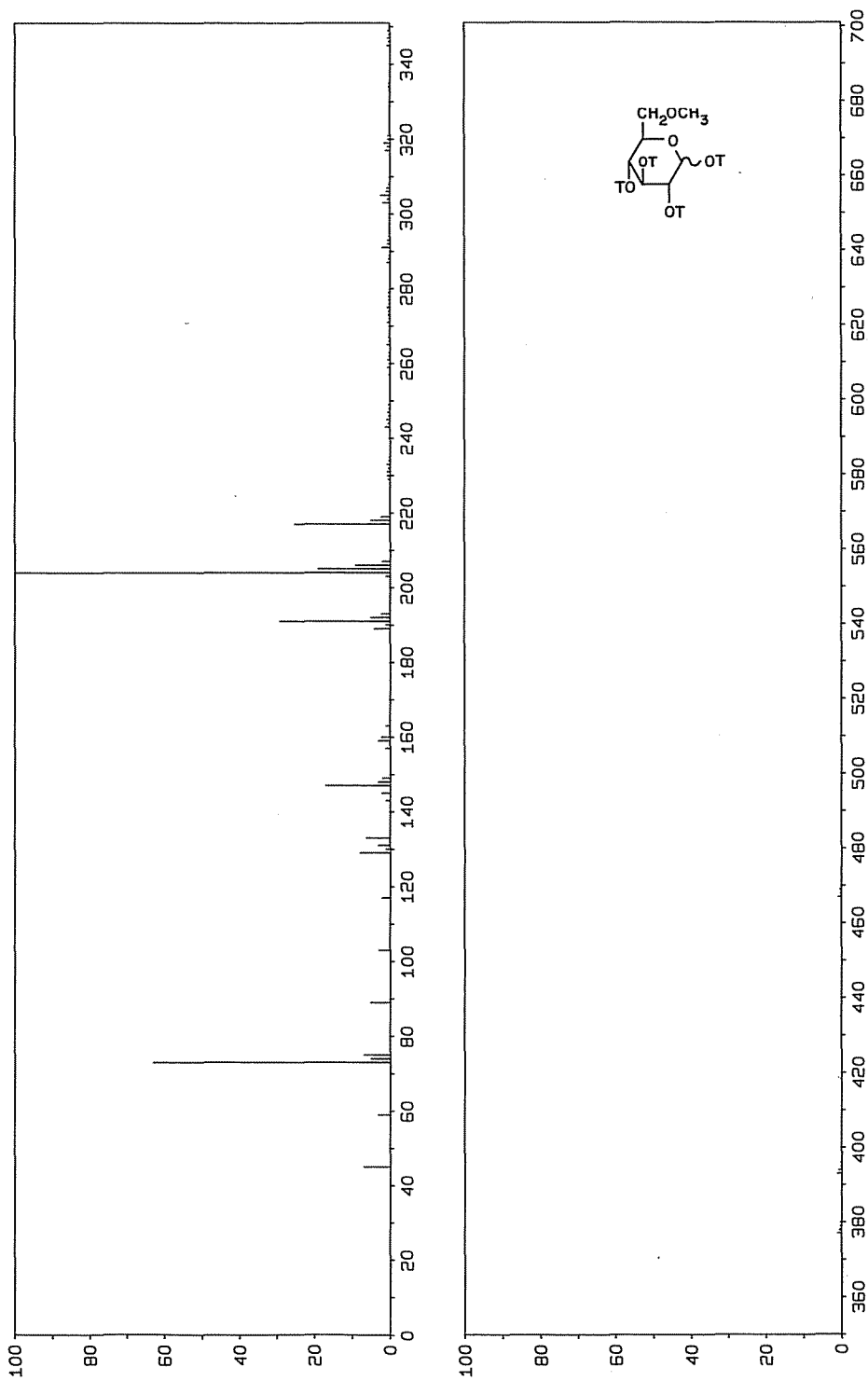
TOT: 3786 MOST ABUNDANT PEAKS:204 73 191 217 205 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
45	70	145	20	203	10	234	2	262	2	279	1	308	1	349	2
59	30	147	170	204	1000	235	1	263	1	287	6	317	10	377	11
73	630	148	30	205	190	243	10	265	7	288	2	318	6	378	4
74	50	149	20	206	90	244	3	266	2	289	1	319	13	379	3
75	70	157	10	207	20	245	5	267	1	291	19	320	4	380	2
89	50	159	30	217	250	246	2	271	3	292	6	321	3	393	12
103	30	160	20	218	50	247	3	272	1	293	4	333	1	394	6
117	20	163	10	219	20	248	1	273	2	294	1	334	1	395	2
129	80	189	40	229	3	249	2	274	2	303	15	335	1	396	1
130	10	190	10	230	5	257	2	275	4	304	4	345	5	435	2
131	30	191	290	231	7	259	4	276	1	305	22	346	3	467	6
133	60	192	50	232	2	260	2	277	1	306	8	347	4	468	2
143	10	193	20	233	7	261	4	278	2	307	5	348	1	469	2

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:QF-1. CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL 6-O-METHYL-2,3,4-TRI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE MW 482.2372

GOT 270 C19 H46 SI4 O6



640

METHYL 4-O-METHYL-2,3,6-TRI-O-TRIMETHYLSILYL-BETA-D-GLUCOPYRANOSIDE GOT-0294 MW: 424.2133

C17 H40 SI3 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. O. THEANDER, STOCKHOLM, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

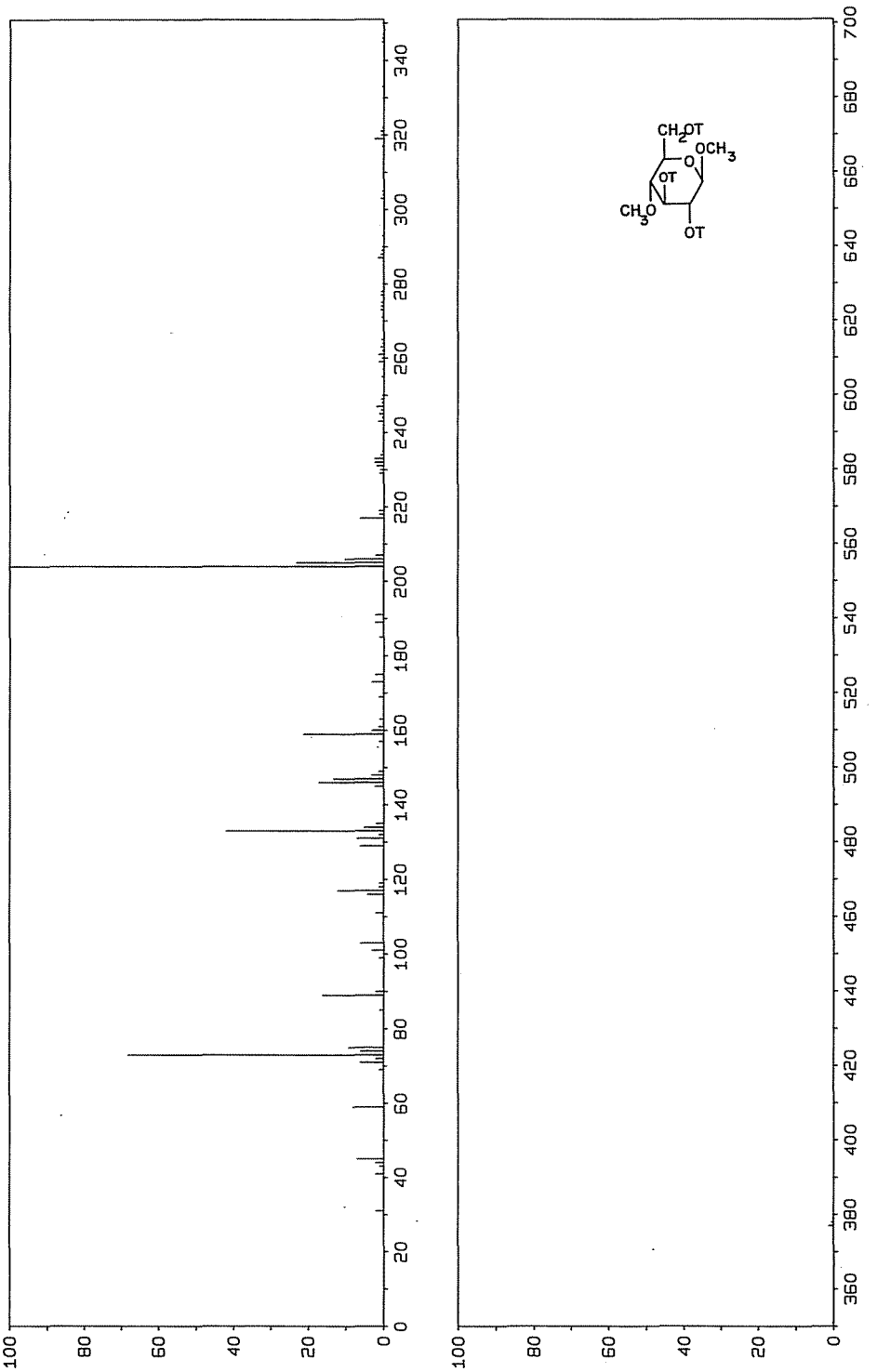
TOT: 4726 MOST ABUNDANT PEAKS:204 73 133 205 159 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
31	20	89	160	133	420	169	10	229	9	249	4	274	4	319	21
41	20	90	20	134	50	173	30	230	5	250	2	275	3	320	5
43	10	99	10	135	20	175	20	231	17	255	2	277	5	321	4
44	20	101	30	145	20	185	10	232	21	257	2	278	2	322	1
45	70	103	60	146	170	189	20	233	22	259	11	287	14	333	2
59	80	111	20	147	130	191	20	234	5	260	3	288	4	345	3
69	10	116	40	148	30	204	1000	235	2	261	11	289	4	346	1
71	60	117	120	149	10	205	230	243	12	262	3	290	1	347	1
72	20	118	10	157	10	206	100	244	2	263	7	293	2	351	31
73	680	119	10	159	210	207	20	245	9	264	2	303	6	377	12
74	60	129	60	160	30	217	60	246	5	265	3	304	2	378	4
75	90	131	70	161	10	218	10	247	16	271	3	305	2	379	2
85	10	132	10	163	10	219	10	248	4	273	4	317	2		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
GLC INLET (MOLECULE SEPARATOR); PHASE:QF-1. CORRECTED FOR BLEEDING.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

METHYL 4-O-METHYL-2,3,6-TRI-O-TRIMETHYLSILYL-BETA-D-GLUCOPYRANOSIDE MW 424.2133

GOT 294 C17 H40 SI3 O6



642

TRIMETHYLSILYL 2,3-DI-O-METHYL-4,6-DI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE GOT-0271 MW: 424.2133

C17 H40 SI3 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. B. LINDBERG, STOCKHOLM, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

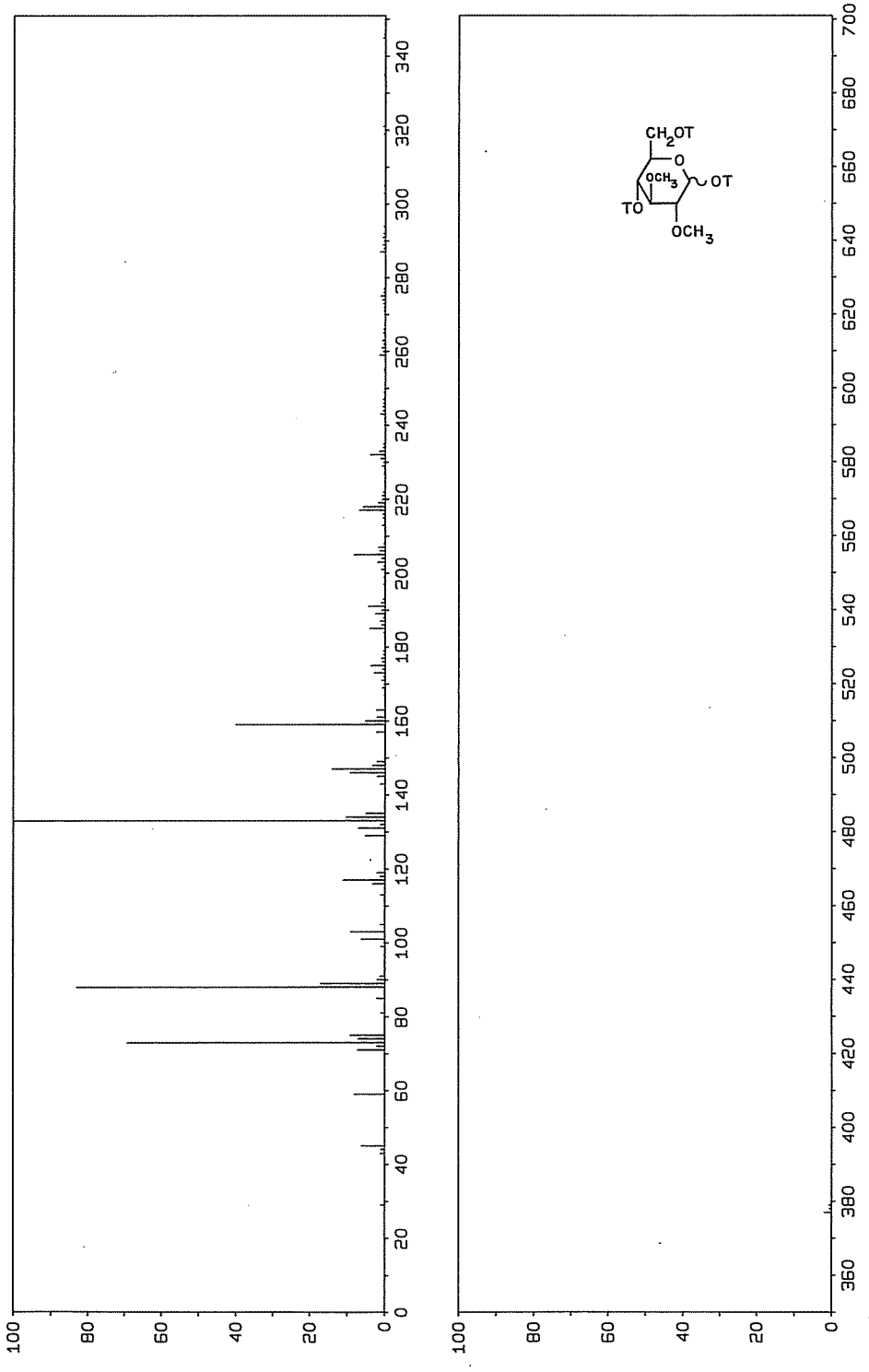
TOT: 5410 MOST ABUNDANT PEAKS:133 88 73 159 89 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
29	10	101	60	147	140	177	7	202	2	229	5	262	3	294	1
43	10	103	90	148	30	178	2	203	16	230	3	263	4	303	1
44	10	105	10	149	20	179	2	204	8	231	9	265	4	305	1
45	60	113	10	157	20	183	1	205	80	232	38	266	1	319	3
59	80	116	30	159	400	184	1	206	13	233	12	271	2	321	2
71	70	117	110	160	50	185	39	207	15	234	4	272	1	335	1
72	20	118	10	161	20	186	6	208	3	235	2	273	3	345	3
73	690	119	20	163	20	187	12	213	5	243	11	274	4	346	1
74	70	129	50	167	2	188	2	215	4	244	3	275	10	377	19
75	90	131	70	169	5	189	24	216	2	245	5	276	2	378	7
81	10	132	10	170	2	190	6	217	67	246	2	277	3	379	4
85	20	133	1000	171	6	191	43	218	55	247	4	287	12	409	1
88	830	134	100	172	3	192	8	219	18	249	1	288	2		
89	170	135	50	173	27	193	4	220	5	255	2	289	3		
90	20	143	10	174	5	197	1	221	7	259	12	290	2		
91	10	145	20	175	35	199	2	222	2	260	4	291	3		
99	10	146	90	176	6	201	8	227	1	261	6	292	2		

REFERENCE:PETERSSON,G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731.
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:QF-1. CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 165;0.10% FOR M/E ABOVE 165

TRIMETHYLSILYL 2,3-DI-O-METHYL-4,6-DI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE MW 424.2133

GOT 271 C17 H40 SI3 O6



644

TRIMETHYLSILYL 2,4-DI-O-METHYL-3,6-DI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE GOT-0262 MW: 424.2133

C17 H40 SI3 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. B. LINDBERG, STOCKHOLM, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

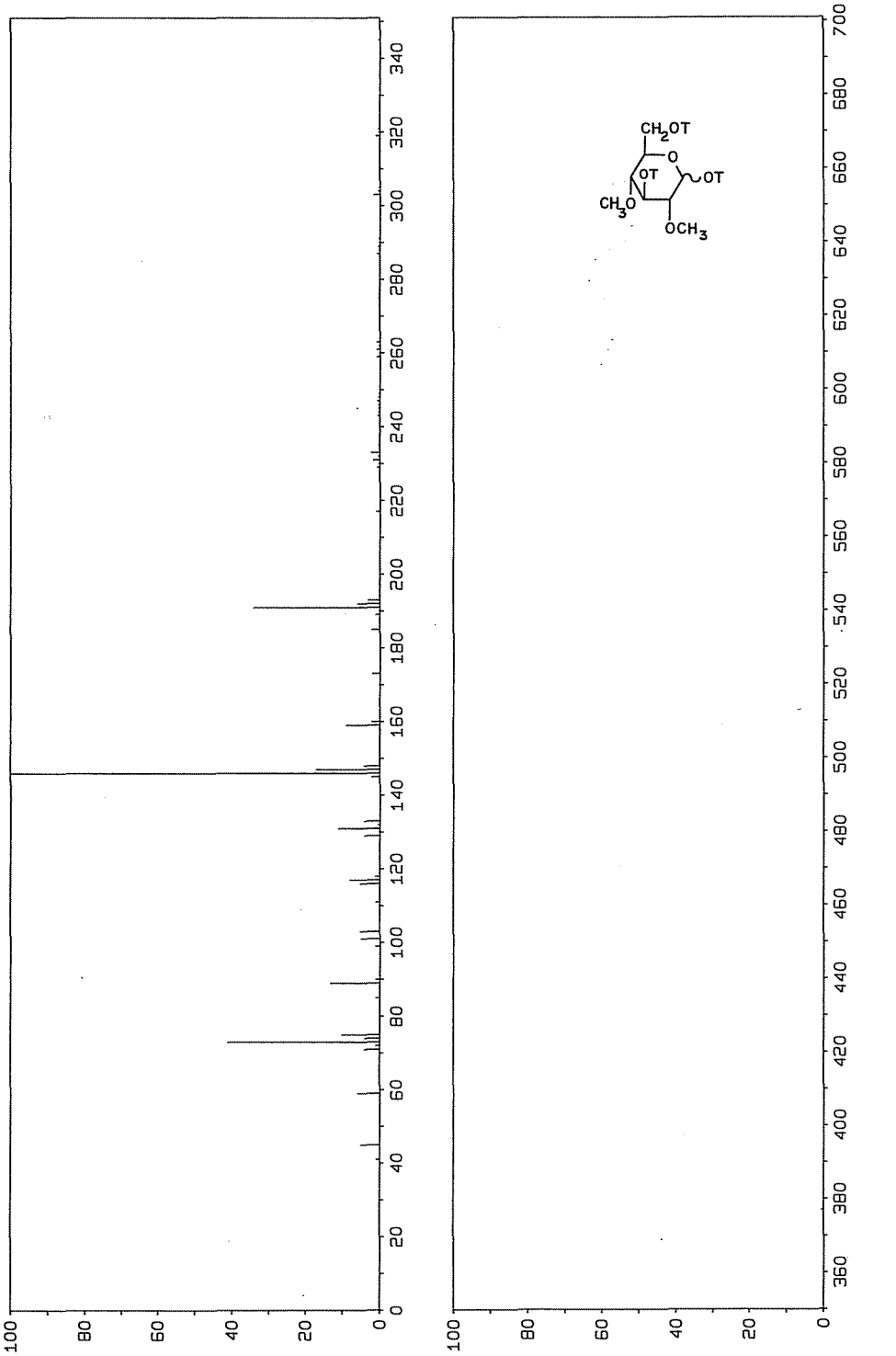
TOT: 3318 MOST ABUNDANT PEAKS:146 73 191 147 89 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
41	10	90	10	132	10	189	10	234	4	260	1	288	2	345	3
45	50	99	10	133	40	191	340	235	2	261	7	289	2	377	5
59	60	101	50	145	20	192	60	243	5	262	2	291	1	378	2
71	40	103	50	146	1000	193	30	244	1	263	6	303	16		
72	10	111	10	147	170	217	10	245	3	264	1	304	4		
73	410	116	50	148	40	229	5	246	1	273	1	305	2		
74	40	117	80	159	90	230	2	247	6	275	3	317	1		
75	100	118	10	160	20	231	15	248	2	276	1	319	8		
85	10	129	40	173	20	232	3	249	2	277	1	320	2		
89	130	131	110	185	20	233	21	259	6	287	7	321	2		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:OF-1, CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL 2,4-DI-O-METHYL-3,6-DI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE MW 424.2133

GOT 262 C17 H40 SI3 O6



646

TRIMETHYLSILYL2,4-DI-O-METHYL-3,6-DI-O-TRIMETHYLSILYLGALACTOPYRANOSIDE GOT-0085 MW: 424.2133

C17 H40 SI3 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. B. LINDBERG, STOCKHOLM, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

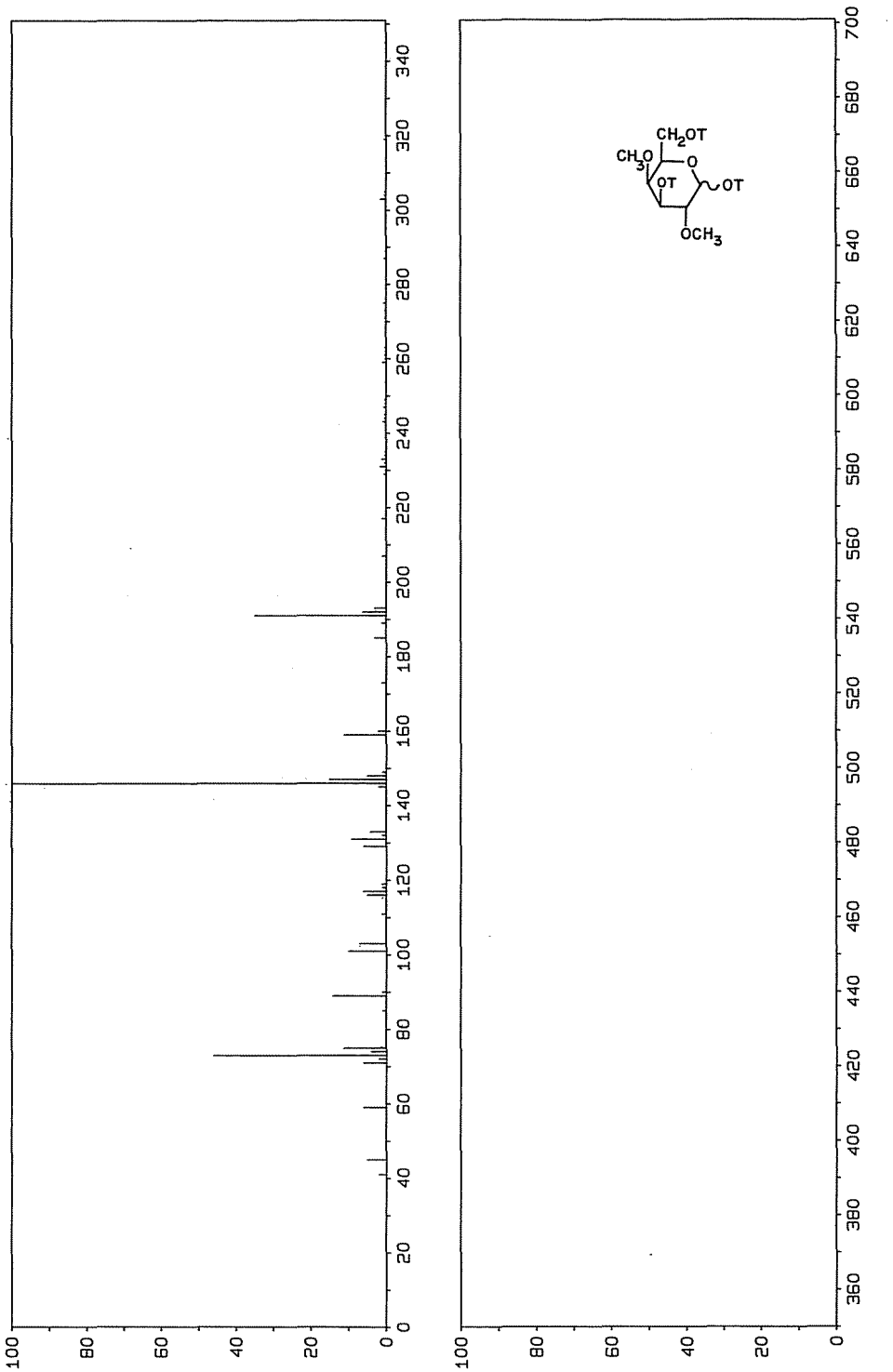
TOT: 3480 MOST ABUNDANT PEAKS:146 73 191 147 89 INLET TEMP:200 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
41	20	89	140	129	60	159	110	217	10	244	2	263	3	305	2
45	50	90	10	131	90	160	20	229	4	245	3	271	1	319	4
59	60	101	100	132	10	173	10	230	2	247	4	273	2	320	1
71	60	103	70	133	40	185	30	231	15	248	2	275	5	345	2
72	20	111	10	145	20	189	10	232	4	249	2	276	1	377	2
73	460	116	50	146	1000	191	350	233	10	259	9	287	4		
74	40	117	60	147	150	192	60	234	3	260	2	289	2		
75	110	118	10	148	50	193	30	235	2	261	3	303	13		
85	10	119	10	149	10	207	10	243	7	262	1	304	3		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:SE-30.CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL2,4-DI-O-METHYL-3,6-DI-O-TRIMETHYLSILYLGALACTOPYRANOSIDE MW 424.2133

GOT 85 C17 H40 SI3 O6



TRIMETHYLSILYL3,4-DI-O-METHYL-2,6-DI-O-TRIMETHYLSILYLGALACTOPYRANOSIDE GOT-0267 MW: 424.2133

C17 H40 S13 06

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. B. LINDBERG,STOCKHOLM, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

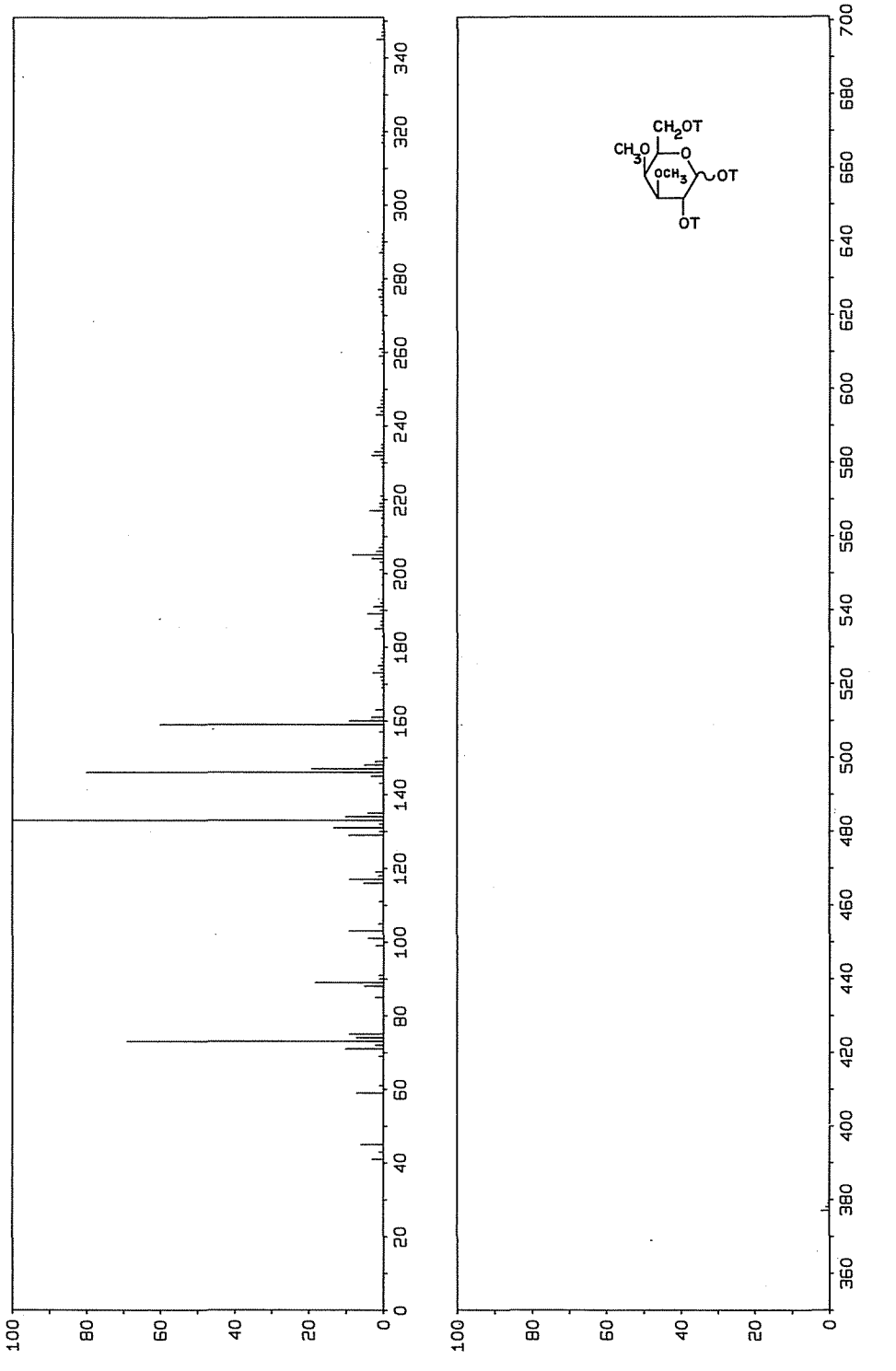
TOT: 5714 MOST ABUNDANT PEAKS:133 146 73 159 147 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
41	30	103	90	148	50	179	1	207	10	243	20	274	4	320	1
43	10	105	10	149	20	183	2	208	2	244	6	275	9	321	1
45	60	111	10	157	10	185	22	213	3	245	16	276	3	335	3
59	70	116	50	159	600	186	4	215	4	246	4	277	11	345	18
61	10	117	90	160	90	187	6	216	1	247	6	278	3	346	5
69	10	118	10	161	30	188	1	217	35	248	2	279	2	347	4
71	100	119	20	163	20	189	40	218	9	249	1	287	9	348	1
72	20	129	90	167	1	190	6	219	8	257	3	288	2	349	1
73	690	130	10	169	4	191	25	220	3	258	1	289	3	377	22
74	70	131	130	170	1	192	5	221	5	259	10	290	1	378	7
75	90	132	10	171	6	193	2	222	1	260	4	291	3	379	4
85	20	133	1000	172	6	197	2	229	2	261	9	292	1	380	1
88	50	134	100	173	28	199	2	230	3	262	2	303	2		
89	180	135	40	174	5	201	7	231	6	263	2	304	1		
90	10	143	10	175	14	203	8	232	31	265	4	305	1		
91	10	145	30	176	2	204	28	233	22	266	1	317	4		
99	20	146	800	177	6	205	81	234	5	271	3	318	1		
101	40	147	190	178	1	206	16	235	4	273	3	319	3		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:QF-1. CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 165;0.10% FOR M/E ABOVE 165

TRIMETHYLSILYL3,4-DI-O-METHYL-2,6-DI-O-TRIMETHYLSILYLGALACTOPYRANOSIDE MW 424.2133

GOT 267 C17 H40 SI3 O6



650

TRIMETHYLSILYL2,6-DI-O-METHYL-3,4-DI-O-TRIMETHYLSILYLGALACTOPYRANOSIDE GOT-0274 MW: 424.2133

C17 H40 SI3 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. B. LINDBERG, STOCKHOLM, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

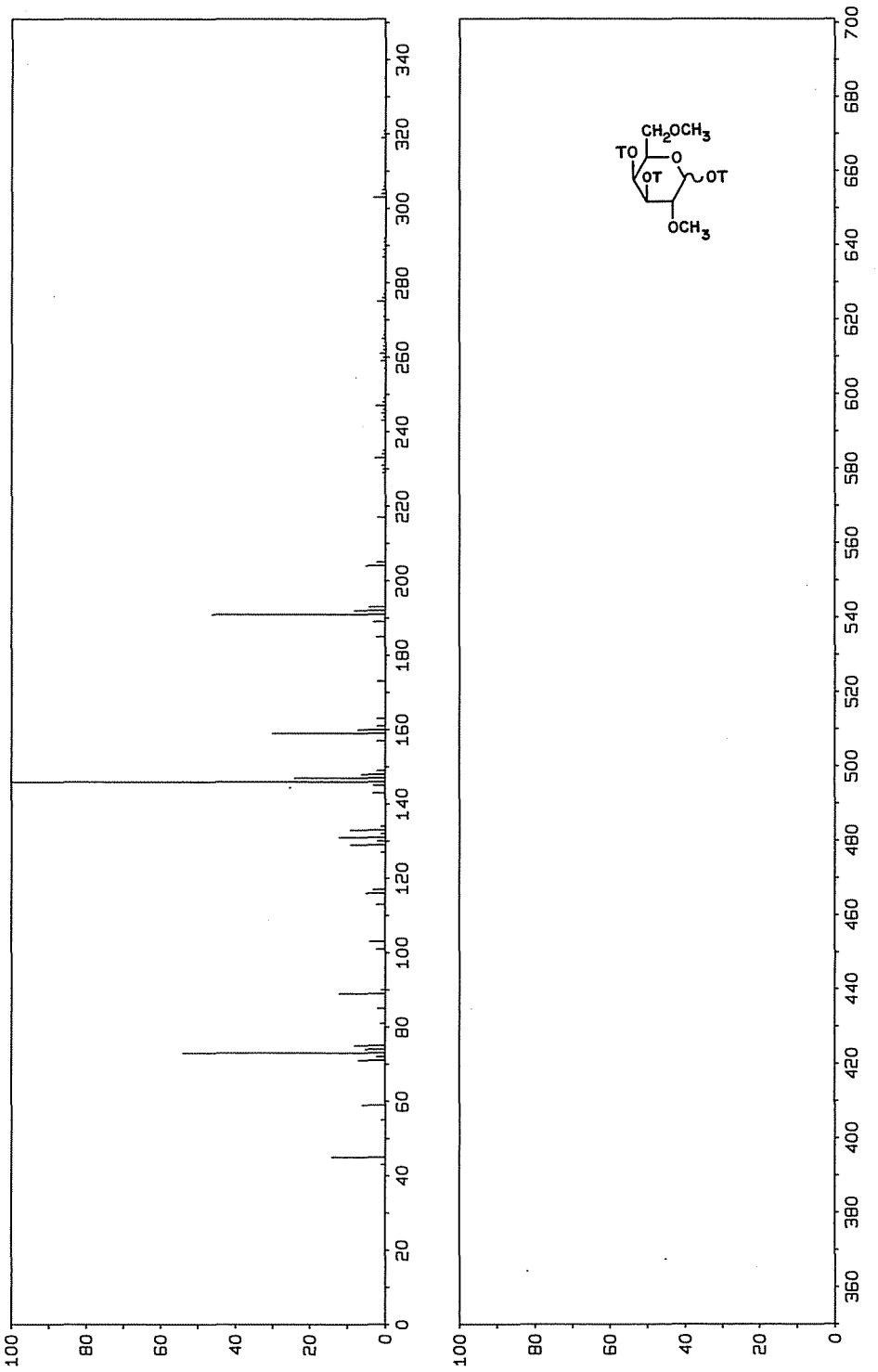
TOT: 4458 MOST ABUNDANT PEAKS:146 73 191 159 147 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
43	10	90	10	134	10	173	20	232	2	259	11	275	19	307	1
45	140	101	20	143	30	185	20	233	24	260	3	276	5	319	8
55	10	103	40	145	30	189	30	234	7	261	13	277	3	320	2
59	60	113	20	146	1000	191	460	235	3	262	3	287	5	321	2
71	70	116	50	147	240	192	80	243	9	263	4	288	1	335	1
72	20	117	30	148	60	193	40	244	2	264	1	289	3	377	3
73	540	127	10	149	20	204	50	245	8	265	7	291	3		
74	50	129	90	157	20	205	20	246	3	266	2	292	1		
75	80	130	20	159	300	217	20	247	24	267	1	303	31		
81	10	131	120	160	70	229	4	248	5	271	2	304	8		
85	20	132	10	161	20	230	4	249	3	273	1	305	7		
89	120	133	90	163	20	231	6	257	1	274	1	306	1		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:OF-1. CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL2,6-DI-O-METHYL-3,4-DI-O-TRIMETHYLSILYLGALACTOPYRANOSIDE MW 424.2133

GOT 274 C17 H40 SI3 O6



652

TRIMETHYLSILYL 3,6-DI-O-METHYL-2,4-DI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE GOT-0263 MW: 424.2133

C17 H40 SI3 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. B. LINDBERG,STOCKHOLM, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

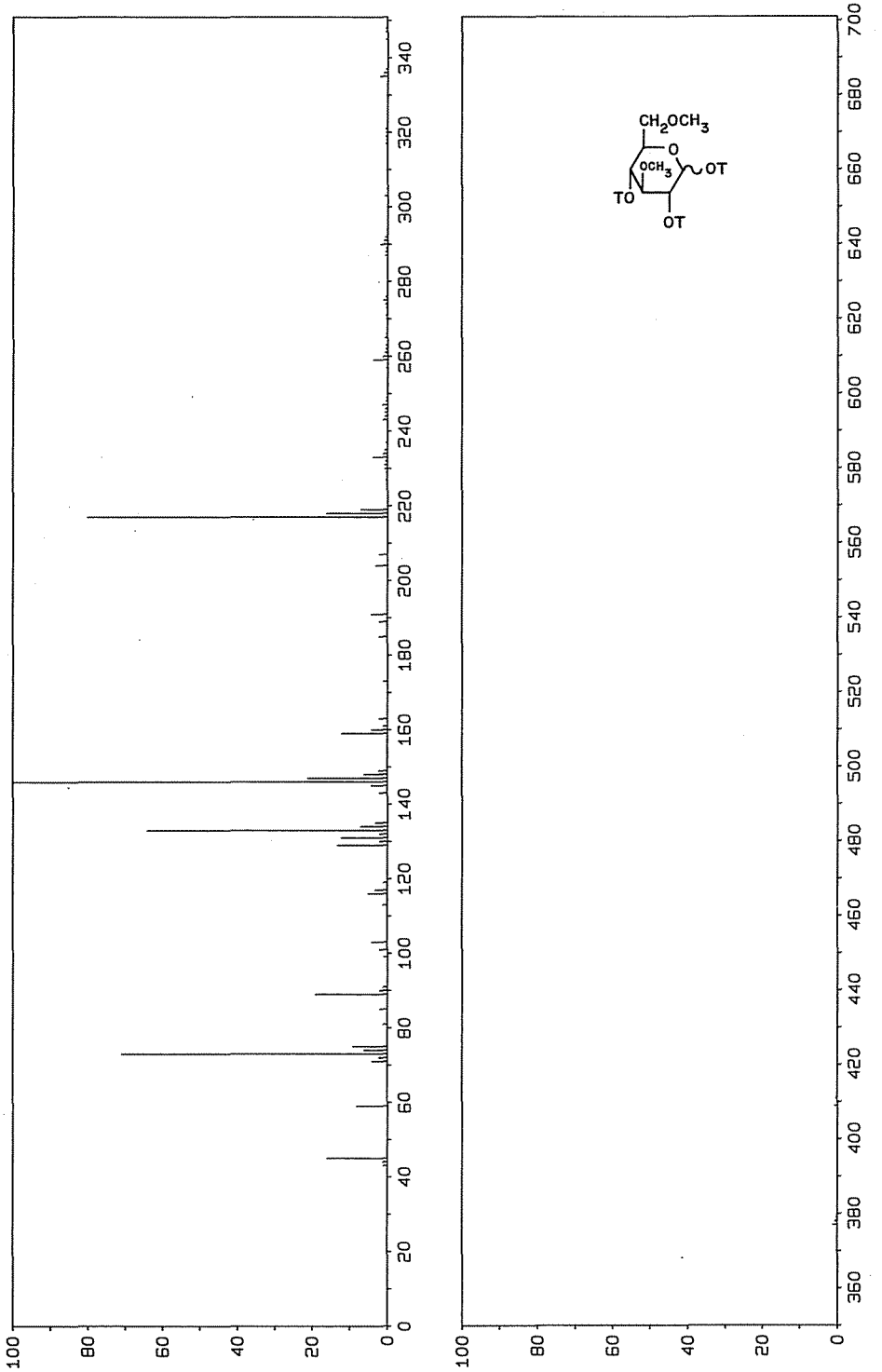
TOT: 5634 MOST ABUNDANT PEAKS:146 217 73 133 147 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
43	10	91	10	134	70	185	20	233	37	260	9	289	2	336	7
44	10	99	10	135	30	189	20	234	8	261	6	290	15	337	3
45	160	101	20	143	20	191	40	235	5	262	2	291	8	345	2
59	80	103	40	145	40	204	30	237	2	263	2	292	3	347	3
71	40	113	10	146	1000	207	20	243	11	265	4	294	1	348	1
72	20	116	50	147	210	217	800	244	4	266	1	303	5	377	11
73	710	117	30	148	60	218	160	245	5	271	1	305	1	378	4
74	60	119	10	149	20	219	70	246	3	273	2	317	2	379	1
75	90	129	130	159	120	227	1	247	12	274	2	318	2	409	6
81	10	130	20	160	40	229	2	248	4	275	8	319	2	410	2
85	20	131	120	161	10	230	4	249	2	276	2	320	1	411	1
89	190	132	20	163	20	231	6	257	1	287	4	321	2		
90	20	133	640	173	10	232	2	259	37	288	2	335	18		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:QF-1. CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL 3,6-DI-O-METHYL-2,4-DI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE MW 424.2133

GOT 263 C17 H40 SI3 O6



654

TRIMETHYLSILYL 4,6-DI-O-METHYL-2,3-DI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE GOT-0269 MW: 424.2133

C17 H40 SI3 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. B. LINDBERG, STOCKHOLM, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

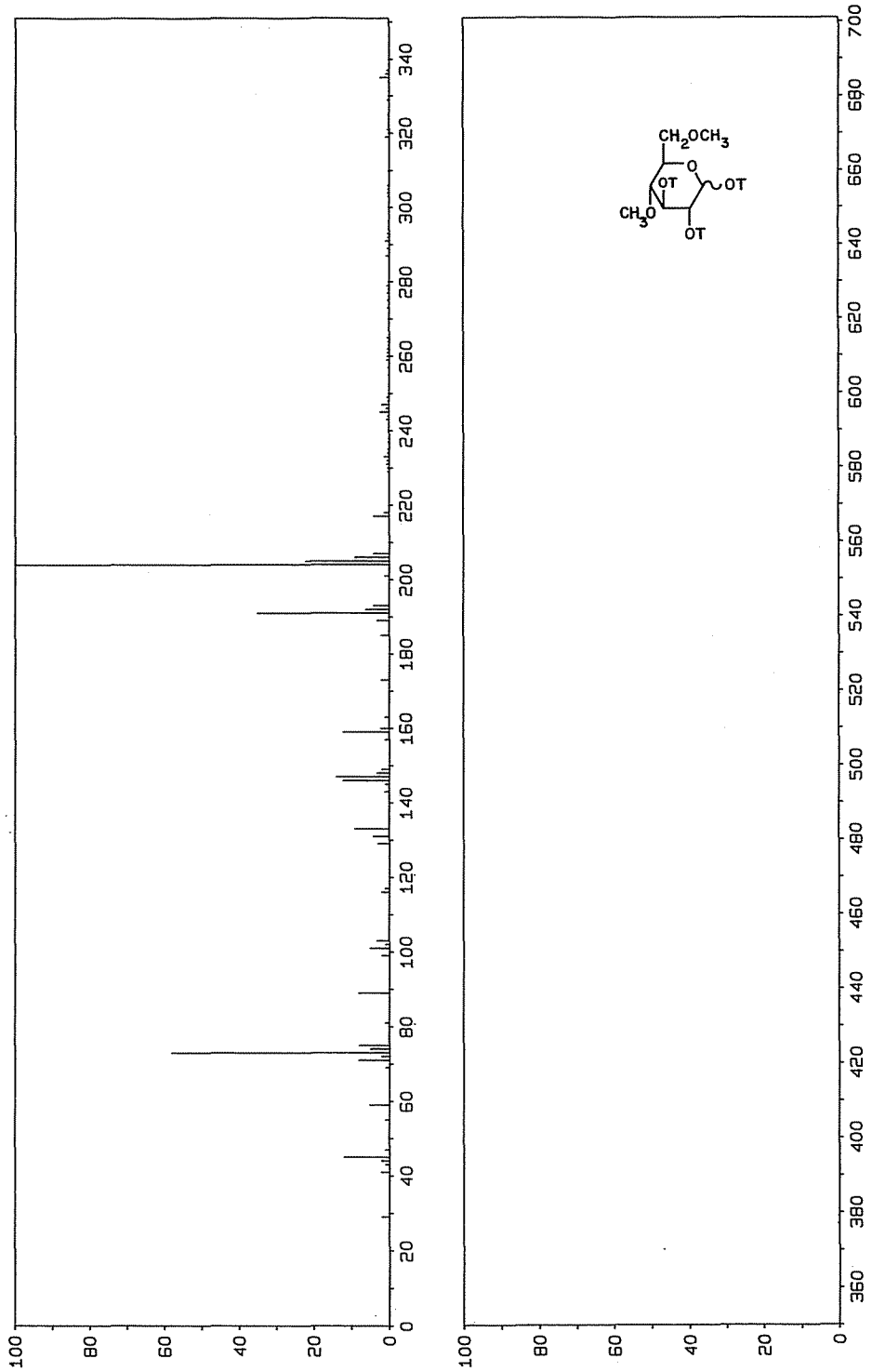
TOT: 4097 MOST ABUNDANT PEAKS:204 73 191 205 147 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
29	20	75	80	145	10	192	60	233	12	257	1	280	2	321	3
41	20	81	10	146	120	193	40	234	2	259	5	287	5	325	11
43	10	89	80	147	140	201	10	235	3	260	3	289	4	329	11
44	20	99	20	148	30	204	1000	237	1	261	4	291	8	334	1
45	120	101	50	149	20	205	220	238	1	262	2	292	3	335	21
47	10	102	10	157	10	206	90	243	4	263	2	293	2	336	7
55	10	103	30	159	120	207	40	244	2	264	1	303	2	337	3
59	50	116	20	160	20	217	40	245	21	265	5	304	2	377	4
69	10	117	10	163	10	218	10	246	6	273	1	305	2	379	2
71	80	129	30	173	20	229	3	247	16	275	3	306	1	381	11
72	20	131	40	185	20	230	2	248	2	277	2	310	11		
73	580	133	90	189	30	231	6	249	3	278	1	319	8		
74	50	143	10	191	350	232	3	255	1	279	3	320	2		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:QF-1. CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL 4,6-DI-O-METHYL-2,3-DI-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE MW 424.2133

GOT 269 C17 H40 SI3 O6



656

TRIMETHYLSILYL 2,3,4-TRI-O-METHYL-6-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE GOT-0255 MW: 366.1894

C15 H34 SI2 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. M.H.B. HAYES, BIRMINGHAM, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

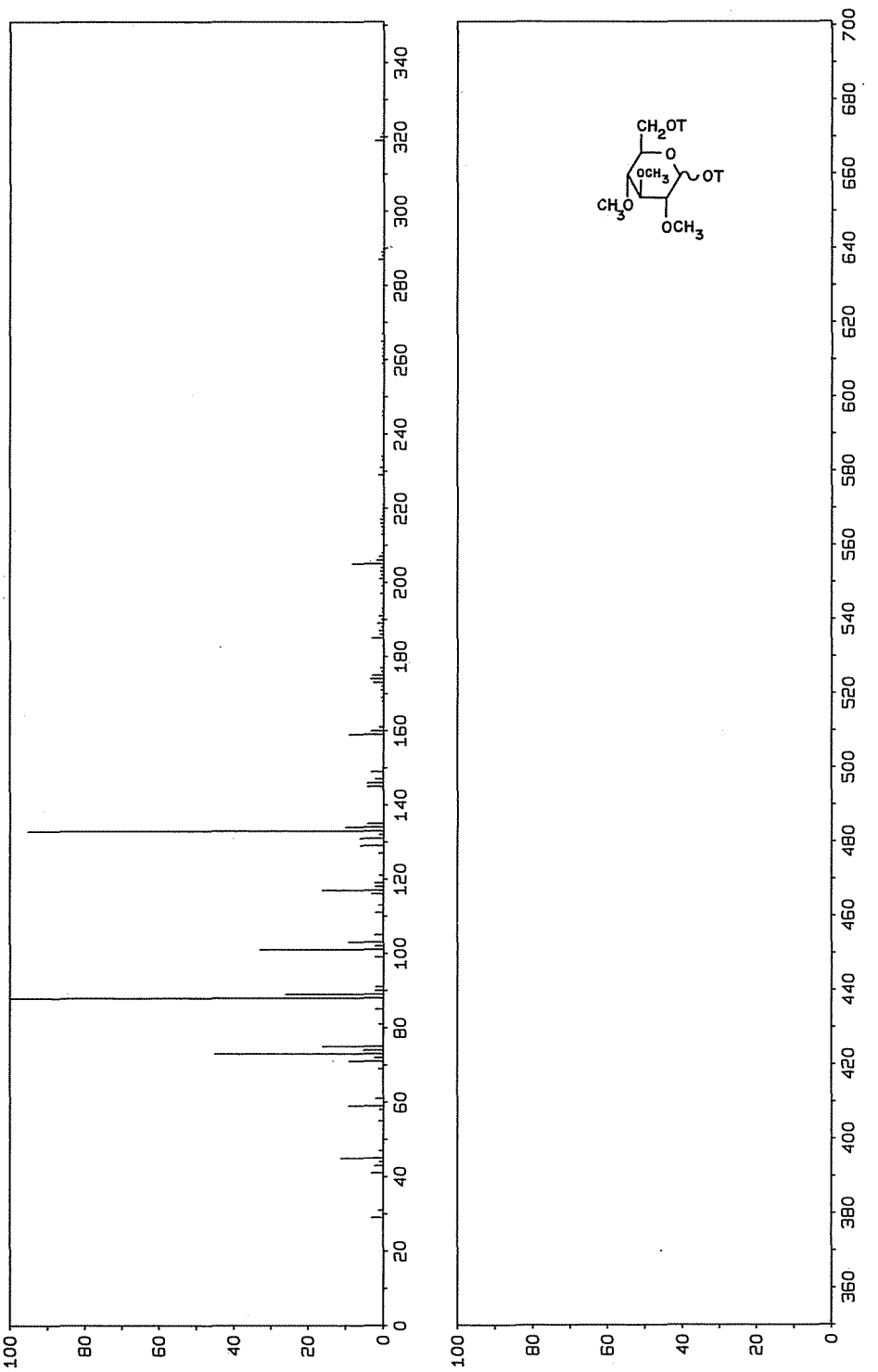
TOT: 5147 MOST ABUNDANT PEAKS: 88 133 73 101 89 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
29	30	73	450	111	20	145	40	176	5	201	9	219	2	262	2
31	10	74	50	113	10	146	40	177	5	202	3	220	1	263	2
41	30	75	160	116	30	147	20	183	2	203	7	221	2	264	1
43	20	81	10	117	160	149	30	185	27	204	4	229	10	265	4
44	10	85	20	118	20	159	90	186	7	205	82	230	1	267	21
45	110	88	1000	119	20	160	30	187	8	206	16	231	6	287	11
47	10	89	260	121	10	161	10	188	3	207	10	233	3	288	3
55	10	90	20	127	10	168	2	189	12	208	2	234	2	289	2
58	10	91	20	129	60	169	5	190	4	213	5	245	2	319	21
59	90	99	20	131	60	171	4	191	9	214	1	246	1	320	6
61	20	101	330	132	10	172	4	192	2	215	5	251	11	321	2
69	10	102	20	133	950	173	24	193	1	216	5	259	2	351	2
71	90	103	90	134	100	174	34	197	7	217	8	260	1		
72	20	105	20	135	40	175	27	199	2	218	2	261	2		

REFERENCE:PETERSSON, G. SAMUELSON, O.:SVENSK PAPPERSTIDN. 71(1968) 731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:QF-1. CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 165;0.10% FOR M/E ABOVE 165

TRIMETHYLSILYL 2,3,4-TRI-O-METHYL-6-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE MW 366.1894

GOT 255 C15 H34 SI2 O6



658

TRIMETHYLSILYL 2,3,6-TRI-O-METHYL-4-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE GOT-0038 MW: 366.1894

C15 H34 SI2 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. J.J. WILLARD, PRINCETOWN, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

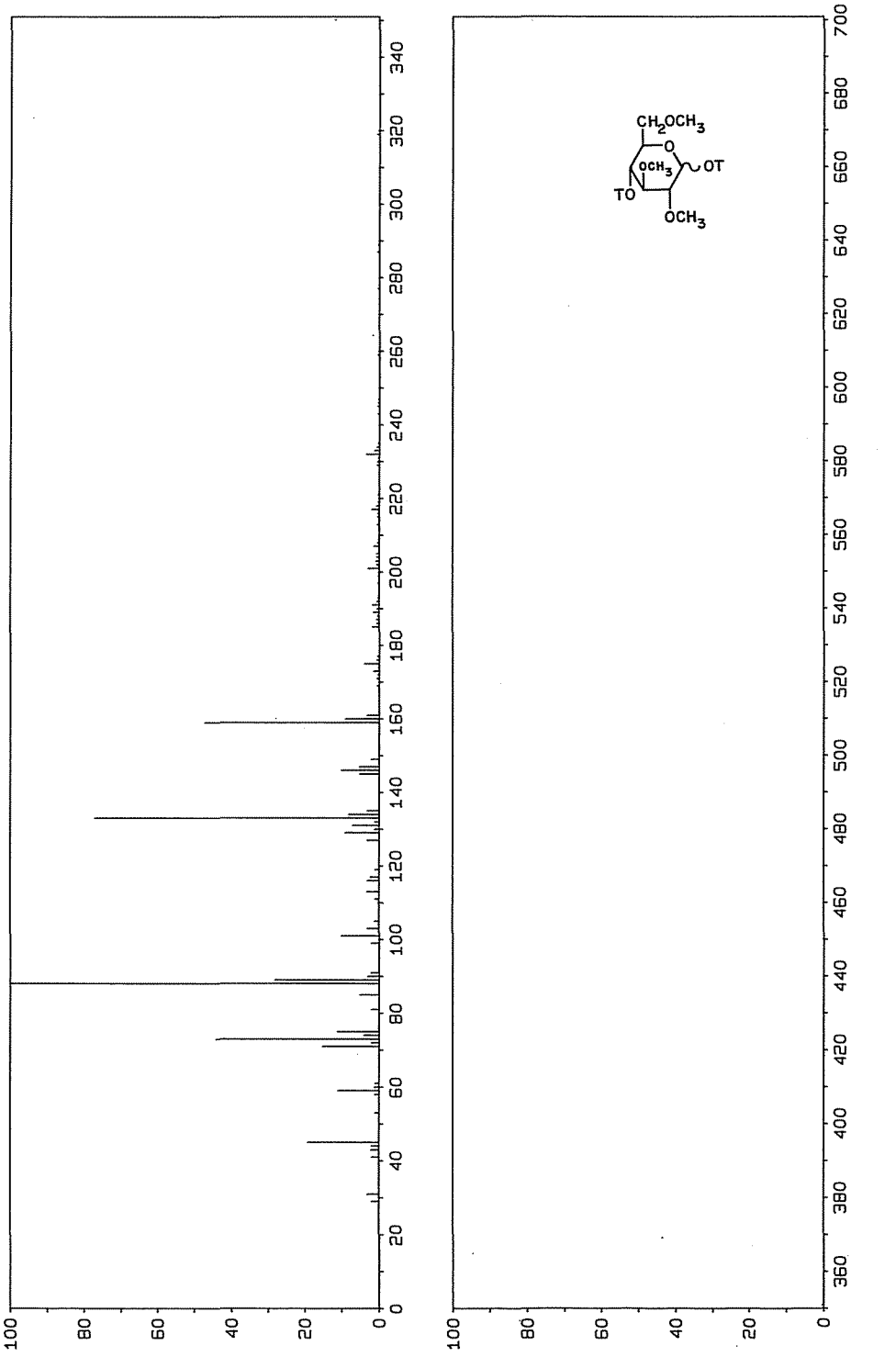
TOT: 5084 MOST ABUNDANT PEAKS: 88 133 159 73 89 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
29	20	73	440	111	10	145	50	176	5	201	27	219	2	259	2
31	30	74	40	113	30	146	100	177	2	202	5	221	1	260	2
41	20	75	110	116	30	147	50	185	16	203	6	229	4	261	3
43	20	81	20	117	20	149	20	186	3	204	5	230	2	277	2
44	20	85	50	119	10	159	470	187	5	205	4	231	2	287	3
45	190	88	1000	127	30	160	90	188	2	207	13	232	32	289	1
53	10	89	280	129	90	161	30	189	14	208	2	233	11	319	4
58	10	90	30	130	10	169	4	190	3	209	1	234	3	320	1
59	110	91	20	131	70	171	3	191	17	213	2	235	1	351	4
60	10	99	20	132	10	172	3	192	3	215	2	243	1	352	1
61	10	101	100	133	770	173	12	193	1	216	1	245	3		
71	150	103	30	134	80	174	2	197	1	217	19	246	1		
72	20	105	10	135	30	175	38	199	2	218	4	247	1		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:OF=1. CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 165;0.10% FOR M/E ABOVE 165

TRIMETHYLSILYL 2,3,6-TRI-O-METHYL-4-O-TRIMETHYLSILYL-GLUCOPYRANOSIDE MW 366.1894

GOT 38 C15 H34 SI2 O6



660

TRIMETHYLSILYL 2,3,4,6-TETRA-O-METHYL-GLUCOPYRANOSIDE GOT-0254 MW: 308.1655

C13 H28 SI 06

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. M.H.B. HAYES, BIRMINGHAM, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

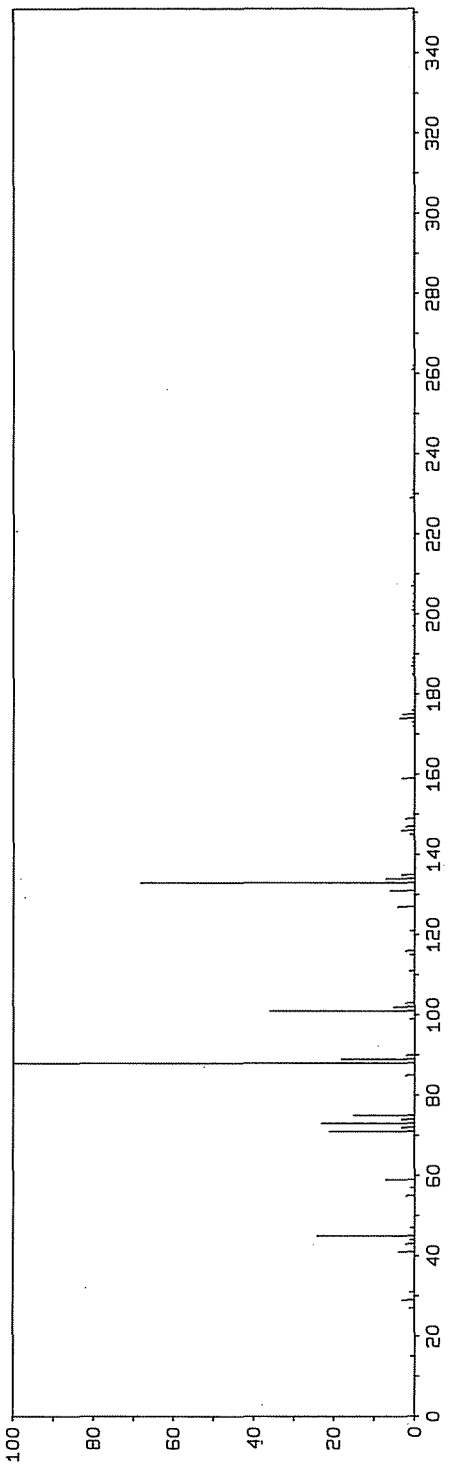
TOT: 3961 MOST ABUNDANT PEAKS: 88 133 101 45 73 INLET TEMP:210 ION TEMP:270 EV: 70

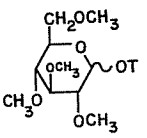
M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
15	10	47	10	75	150	103	20	134	70	173	5	189	3	219	2
27	10	55	20	85	20	111	10	135	30	174	35	197	2	229	8
29	30	57	10	88	1000	115	10	145	10	175	29	201	4	230	2
31	10	59	70	89	180	116	20	146	30	176	4	202	2	231	2
41	40	71	210	90	20	121	10	147	20	177	1	203	3	261	5
43	20	72	30	99	10	127	40	149	20	185	3	205	1	262	2
44	10	73	230	101	360	131	60	159	30	187	6	207	6	293	1
45	240	74	30	102	50	133	680	172	2	188	2	208	1		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:OF-1. CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 165;0.10% FOR M/E ABOVE 165

TRIMETHYLSILYL 2,3,4,6-TETRA-O-METHYL-GLUCOPYRANOSIDE MW 308.1655

GOT 254 C13 H28 SI O6





662

TRIMETHYLSILYL 2,3,5,6-TETRA-O-TRIMETHYLSILYL-BETA-D-GALACTOFURANOSIDE GOT-0137 MW: 540.2610

C21 H52 SI5 O6

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DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

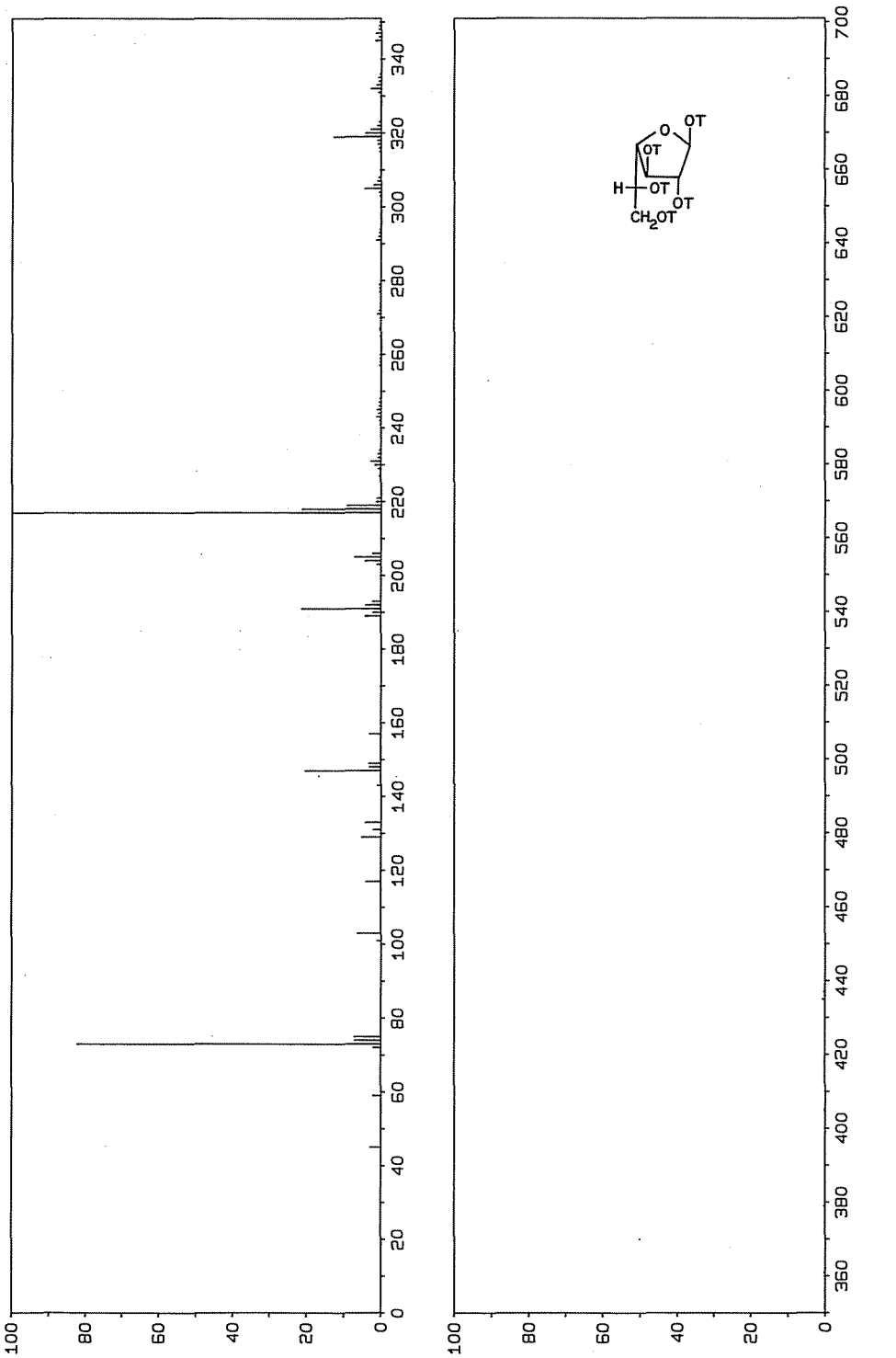
TOT: 3875 MOST ABUNDANT PEAKS:217 73 191 218 147 INLET TEMP:200 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
45	30	147	200	217	1000	242	2	271	8	306	17	332	26	379	2
59	20	148	30	218	210	243	11	272	2	307	8	333	9	393	1
72	20	149	30	219	90	244	4	273	1	308	3	334	4	405	2
73	820	157	30	220	10	245	9	277	1	315	2	335	4	407	1
74	70	189	40	221	10	246	3	278	2	316	2	336	1	435	6
75	70	190	20	227	1	247	4	279	2	317	6	345	13	436	3
101	10	191	210	229	5	248	1	291	12	318	6	346	4	437	3
103	60	192	40	230	13	257	3	292	4	319	125	347	11		
117	40	193	20	231	26	258	1	293	3	320	39	348	3		
129	50	203	10	232	5	259	2	294	1	321	26	349	2		
131	20	204	40	233	6	260	1	303	2	322	6	360	3		
133	40	205	70	234	2	265	2	304	3	323	3	361	3		
143	10	206	20	241	1	267	1	305	43	331	3	362	1		

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
GLC INLET (MOLECULE SEPARATOR); PHASE:SE-30. CORRECTED FOR BLEEDING.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL 2,3,5,6-TETRA-O-TRIMETHYLSILYL-BETA-D-GALACTOFURANOSIDE MW 540.2610

GOT 137 C21 H52 SI5 O6



TRIMETHYLSILYL2,6-DI-O-METHYL-3,5-DI-O-TRIMETHYLSILYLGALACTOFURANOSIDE GOT-0272 MW: 424.2133

C17 H40 SI3 O6

GORAN PETERSSON
DEPARTMENT OF ENGINEERING CHEMISTRY CHALMERS UNIVERSITY OF TECHNOLOGY
GOTHENBURG, SWEDEN

ACKNOWLEDGMENTS: DR. B. LINDBERG, STOCKHOLM, FOR SAMPLE GIFT.

RECEIVED: JULY 14, 1969

CHECKED BY: J. HRIBAR J.A. MCCLOSKEY

INSTRUMENT: LKB 9000

TOT: 3345 MOST ABUNDANT PEAKS:159 73 147 191 160 INLET TEMP:210 ION TEMP:270 EV: 70

M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.	M/E	R.A.
29	10	89	90	147	170	192	30	235	2	260	2	287	5	320	2
41	10	99	10	148	20	193	10	243	4	261	53	288	2	321	2
43	10	101	20	149	10	217	80	244	1	262	11	289	7	335	1
45	80	103	30	157	30	218	20	245	9	263	15	290	2	341	11
55	10	116	30	159	1000	219	20	246	2	264	3	291	5	345	1
59	50	117	20	160	130	229	4	247	31	265	2	294	1	347	1
71	20	129	50	161	50	230	3	248	12	271	1	302	3	377	4
72	10	131	60	173	20	231	11	249	6	273	2	303	3	378	1
73	520	133	40	185	10	232	2	250	1	275	2	305	1	379	3
74	50	143	10	189	50	233	13	257	5	277	4	307	1	391	1
75	70	146	60	191	170	234	3	259	4	281	21	319	7	409	1

REFERENCE:PETERSSON, G. SAMUELSON, O.: SVENSK PAPPERSTIDN. 71(1968)731
PURE ANOMER, CONFIGURATION UNKNOWN. GLC INLET;PHASE:QF-1. CORRECTED.
LOWER INTENSITY LIMITS: 1.0% FOR M/E BELOW 225;0.10% FOR M/E ABOVE 225

TRIMETHYLSILYL2,6-DI-O-METHYL-3,5-DI-O-TRIMETHYLSILYLGALACTOFURANOSIDE MW 424.2133

GOT 272 C17 H40 SI3 O6