

SATURATE BIOMARKERS

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	45.94	217.00	24baa	2625	169

File name (sample):

1791_5.D

File path:

C:\HPCHEM\1\DATA\SAT\A2511_X\

Misc information:

Sample name:

25/11-15, 1791 Sw,

Operator:

JKB,GN

Method:

MSD_S_C

Date analyzed:

29. Nov. 94

DITERPANES:

5	33.73	191.00	19/3	45	2
6	35.68	191.00	20/3	45	2
7	37.71	191.00	21/3	64	3
11	41.63	191.00	23/3	102	5
13	42.73	191.00	24/3	66	3
14	44.98	191.00	25/3	31	2
16	46.61	191.00	26/3R	20	1
17	46.74	191.00	26/3S	24	1
20	50.23	191.00	28/3R	23	1
21	50.48	191.00	28/3S	19	1
23	51.23	191.00	29/3R	23	1
25	51.55	191.00	29/3S	21	1
15	46.49	191.00	24/4	43	2

TRITERPANES:

26	52.37	191.00	27Ts	103	5
28	52.62	177.00	25nor28ab	32	2
29	53.03	191.00	27Tm	86	5
33	53.53	191.00	27b	33	2
32	53.42	177.00	25nor29ab	101	5
34	54.57	191.00	28ab	67	4
36	54.80	177.00	25nor30ab	56	3
39	55.27	191.00	29ab	159	8
40	55.38	191.00	29Ts	110	6
43	56.08	191.00	29ba	49	3
42	55.64	191.00	30D	59	3
46	56.64	191.00	30ab	372	14
47	56.99	191.00	30D13	59	3
48	57.26	191.00	30ba	33	1
51	58.73	191.00	30G	30	2
49	58.22	191.00	31abS	152	8
50	58.40	191.00	31abR	134	7
52	58.89	191.00	31ba	29	2
53	59.44	191.00	32abS	114	6
54	59.71	191.00	32abR	97	5
55	60.87	191.00	33abS	95	5
56	61.22	191.00	33abR	56	3
57	62.37	191.00	34abS	58	3
58	62.82	191.00	34abR	44	2
59	63.99	191.00	35abS	46	2
60	64.66	191.00	35abR	30	2

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38.20	217.00	21aa	107	5
9	39.83	217.00	21bb	113	7
10	39.96	217.00	22aa	79	5
12	42.16	217.00	22bb	70	5
18	48.44	217.00	27dbS	121	8
19	49.06	217.00	27dbR	78	5
22	51.38	218.00	27bbR	105	7
24	51.52	218.00	27bbS	72	5
27	51.91	217.00	27aaR	49	3
30	53.11	218.00	28bbR	57	4
31	53.25	218.00	28bbS	73	5
35	54.22	217.00	29aaS	35	2
37	54.50	218.00	29bbR	73	5
38	54.61	218.00	29bbS	70	5
41	55.21	217.00	29aaR	57	4
44	55.68	218.00	30bbR	24	2
45	55.73	218.00	30bbS	24	2

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	45.94	217.00	24baa	2954	164

DITERPANES:					
5	33.73	191.00	19/3	47	2
6	35.68	191.00	20/3	45	2
7	37.70	191.00	21/3	63	3
11	41.63	191.00	23/3	69	3
13	42.74	191.00	24/3	36	2
14	45.05	191.00	25/3	15	1
16	46.60	191.00	26/3R	9	0
17	46.75	191.00	26/3S	12	1
20	50.23	191.00	28/3R	10	0
21	50.46	191.00	28/3S	13	1
23	51.25	191.00	29/3R	12	1
25	51.72	191.00	29/3S	12	1
15	46.50	191.00	24/4	21	1

TRITERPANES:					
26	52.37	191.00	27Ts	51	2
28	52.62	177.00	25nor28ab	21	1
29	53.03	191.00	27Tm	38	2
33	53.51	191.00	27b	25	1
32	53.40	177.00	25nor29ab	52	2
34	54.55	191.00	28ab	30	1
36	54.82	177.00	25nor30ab	23	1
39	55.27	191.00	29ab	83	4
40	55.38	191.00	29Ts	51	2
43	56.08	191.00	29ba	35	2
42	55.64	191.00	30D	21	1
46	56.64	191.00	30ab	191	6
47	56.99	191.00	30D13	27	1
48	57.26	191.00	30ba	21	1
51	58.75	191.00	30G	15	1
49	58.21	191.00	31abS	68	3
50	58.40	191.00	31abR	59	3
52	58.91	191.00	31ba	18	1
53	59.43	191.00	32abS	47	2
54	59.71	191.00	32abR	39	2
55	60.87	191.00	33abS	35	2
56	61.23	191.00	33abR	34	2
57	62.35	191.00	34abS	22	1
58	62.82	191.00	34abR	24	1
59	63.97	191.00	35abS	21	1
60	64.65	191.00	35abR	16	1

SATURATE BIOMARKERS					
File name (sample): 1795_7.D					
File path: C:\HPCHEM\1\DATA\SAT\A2511_X\					
Misc information:					
Sample name: 25/11-15, 1795.7 w.					
Operator: JKB,GN					
Method: MSD_S_C					
Date analyzed: 29.Nov.94					

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38.20	217.00	21aa	99	4
9	39.83	217.00	21bb	92	5
10	39.96	217.00	22aa	65	4
12	42.16	217.00	22bb	45	3
18	48.42	217.00	27dbS	41	2
19	49.05	217.00	27dbR	25	1
22	51.38	218.00	27bbR	40	2
24	51.52	218.00	27bbS	26	1
27	51.93	217.00	27aaR	26	1
30	53.11	218.00	28bbR	23	1
31	53.23	218.00	28bbS	25	1
35	54.19	217.00	29aaS	11	1
37	54.52	218.00	29bbR	29	2
38	54.61	218.00	29bbS	21	1
41	55.21	217.00	29aaR	29	2
44	55.68	218.00	30bbR	8	0
45	55.75	218.00	30bbS	9	1

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	46,08	217.00	24baa	617	21

DITERPANES:					
5	33,88	191.00	19/3	350	10
6	35,84	191.00	20/3	277	8
7	37,86	191.00	21/3	420	12
11	41,79	191.00	23/3	705	19
13	42,89	191.00	24/3	534	15
14	45,14	191.00	25/3	274	8
16	46,77	191.00	26/3R	195	5
17	46,90	191.00	26/3S	199	5
20	50,39	191.00	28/3R	217	6
21	50,64	191.00	28/3S	185	5
23	51,43	191.00	29/3R	262	7
25	51,71	191.00	29/3S	231	6
15	46,65	191.00	24/4	453	13

TRITERPANES:					
26	52,54	191.00	27Ts	1143	32
28	52,78	177.00	25nor28ab	306	8
29	53,20	191.00	27Tm	1011	28
33	53,69	191.00	27b	268	8
32	53,58	177.00	25nor29ab	1308	36
34	54,74	191.00	28ab	964	27
36	54,98	177.00	25nor30ab	731	20
39	55,45	191.00	29ab	2009	55
40	55,56	191.00	29Ts	1106	31
43	56,24	191.00	29ba	346	10
42	55,81	191.00	30D	758	21
46	56,82	191.00	30ab	4446	85
47	57,15	191.00	30D13	473	13
48	57,43	191.00	30ba	410	8
51	58,89	191.00	30G	383	11
49	58,38	191.00	31abS	2039	56
50	58,56	191.00	31abR	1380	38
52	59,10	191.00	31ba	155	4
53	59,60	191.00	32abS	1470	41
54	59,87	191.00	32abR	1001	28
55	61,02	191.00	33abS	1309	36
56	61,38	191.00	33abR	748	21
57	62,51	191.00	34abS	711	20
58	62,98	191.00	34abR	426	12
59	64,16	191.00	35abS	572	16
60	64,84	191.00	35abR	362	10

SATURATE BIOMARKERS

File name (sample):
251115_1.D

File path:
C:\HPCHEM\1\DATA\A251115O\

Misc information:

Sample name:
CN-MPLC-1 25/11-15 olje JST#1 1736-1774m

Operator:
lotte

Method:
MSD_S_C

Date analyzed:
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Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38,34	217.00	21aa	836	22
9	40,00	217.00	21bb	919	32
10	40,12	217.00	22aa	629	22
12	42,32	217.00	22bb	608	21
18	48,58	217.00	27dbS	1239	43
19	49,22	217.00	27dbR	743	26
22	51,54	218.00	27bbR	1210	42
24	51,69	218.00	27bbS	969	34
27	52,09	217.00	27aaR	517	18
30	53,28	218.00	28bbR	740	26
31	53,41	218.00	28bbS	906	31
35	54,38	217.00	29aaS	470	16
37	54,68	218.00	29bbR	1059	37
38	54,79	218.00	29bbS	1036	36
41	55,39	217.00	29aaR	535	18
44	55,86	218.00	30bbR	348	12
45	55,89	218.00	30bbS	311	11

Peak#	Rt min.	Ion m/z	Compound	Height	Amount
Int.Std.(if added):					ng/mg
4	46,08	217.00	24baa	621	38
DITERPANES:					
5	33,88	191.00	19/3	155	8
6	35,83	191.00	20/3	127	6
7	37,84	191.00	21/3	181	9
11	41,77	191.00	23/3	281	14
13	42,89	191.00	24/3	219	11
14	45,13	191.00	25/3	114	6
16	46,77	191.00	26/3R	61	3
17	46,90	191.00	26/3S	71	3
20	50,40	191.00	28/3R	83	4
21	50,64	191.00	28/3S	77	4
23	51,41	191.00	29/3R	105	5
25	51,71	191.00	29/3S	104	5
15	46,64	191.00	24/4	182	9
TRITERPANES:					
26	52,52	191.00	27Ts	469	23
28	52,78	177.00	25nor28ab	129	6
29	53,20	191.00	27Tm	413	20
33	53,67	191.00	27b	111	6
32	53,58	177.00	25nor29ab	506	25
34	54,76	191.00	28ab	366	18
36	54,96	177.00	25nor30ab	272	13
39	55,45	191.00	29ab	846	42
40	55,54	191.00	29Ts	463	23
43	56,22	191.00	29ba	130	6
42	55,79	191.00	30D	311	15
46	56,80	191.00	30ab	1801	62
47	57,15	191.00	30D13	197	10
48	57,43	191.00	30ba	160	5
51	58,89	191.00	30G	146	7
49	58,37	191.00	31abS	773	38
50	58,56	191.00	31abR	540	27
52	59,08	191.00	31ba	65	3
53	59,60	191.00	32abS	506	25
54	59,87	191.00	32abR	377	19
55	61,03	191.00	33abS	422	21
56	61,38	191.00	33abR	280	14
57	62,51	191.00	34abS	251	12
58	63,00	191.00	34abR	130	6
59	64,17	191.00	35abS	195	10
60	64,84	191.00	35abR	121	6

SATURATE BIOMARKERS

File name (sample):

1721_57.D

File path:

C:\HPCHEM\1\DATA\SAT_ARO\E650723\

Misc information:

Sample name:

25/11-18 centre 1721.57m

Operator:

JORUNN

Method:

MSD_S_C

Date analyzed:

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Peak#	Rt min.	Ion m/z	Compound	Height	Amount
STERANES:					ng/mg
8	38,34	217.00	21aa	374	16
9	39,99	217.00	21bb	377	23
10	40,12	217.00	22aa	256	16
12	42,32	217.00	22bb	231	14
18	48,58	217.00	27dbS	586	36
19	49,21	217.00	27dbR	302	19
22	51,53	218.00	27bbR	487	30
24	51,67	218.00	27bbS	307	19
27	52,07	217.00	27aaR	201	12
30	53,26	218.00	28bbR	277	17
31	53,40	218.00	28bbS	335	21
35	54,39	217.00	29aaS	187	12
37	54,68	218.00	29bbR	385	24
38	54,77	218.00	29bbS	361	22
41	55,37	217.00	29aaR	172	10
44	55,87	218.00	30bbR	122	8
45	55,89	218.00	30bbS	115	7

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	46,04	217.00	24baa	3775	29

DITERPANES:					
5	33,83	191.00	19/3	56	0
6	35,80	191.00	20/3	56	0
7	37,81	191.00	21/3	71	0
11	41,72	191.00	23/3	148	1
13	42,84	191.00	24/3	107	1
14	45,12	191.00	25/3	65	0
16	46,72	191.00	26/3R	47	0
17	46,86	191.00	26/3S	47	0
20	50,34	191.00	28/3R	52	0
21	50,57	191.00	28/3S	42	0
23	51,36	191.00	29/3R	63	0
25	51,64	191.00	29/3S	53	0
15	46,62	191.00	24/4	94	1

TRITERPANES:					
26	52,49	191.00	27Ts	224	1
28	52,73	177.00	25nor28ab	62	0
29	53,15	191.00	27Tm	209	1
33	53,64	191.00	27b	56	0
32	53,53	177.00	25nor29ab	226	1
34	54,71	191.00	28ab	178	1
36	54,93	177.00	25nor30ab	128	1
39	55,40	191.00	29ab	460	3
40	55,51	191.00	29Ts	208	1
43	56,18	191.00	29ba	78	0
42	55,76	191.00	30D	143	1
46	56,77	191.00	30ab	889	4
47	57,10	191.00	30D13	93	1
48	57,39	191.00	30ba	77	0
51	58,86	191.00	30G	96	1
49	58,34	191.00	31abS	447	3
50	58,53	191.00	31abR	299	2
52	59,06	191.00	31ba	34	0
53	59,55	191.00	32abS	289	2
54	59,83	191.00	32abR	204	1
55	60,98	191.00	33abS	259	2
56	61,32	191.00	33abR	164	1
57	62,46	191.00	34abS	160	1
58	62,93	191.00	34abR	94	1
59	64,11	191.00	35abS	128	1
60	64,77	191.00	35abR	77	0

SATURATE BIOMARKERS

File name (sample):
1721_6_G.D

File path:
C:\HPCHEM\1\DATA\SAT_ARO\F650723\

Misc information:

Sample name:
25/11-18 1721.60m core outer part

Operator:
JORUNN

Method:
MSD_S_C

Date analyzed:
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Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38,31	217.00	21aa	130	1
9	39,95	217.00	21bb	146	1
10	40,07	217.00	22aa	113	1
12	42,27	217.00	22bb	97	1
18	48,54	217.00	27dbS	248	2
19	49,17	217.00	27dbR	148	1
22	51,48	218.00	27bbR	221	2
24	51,62	218.00	27bbS	167	1
27	52,03	217.00	27aaR	238	2
30	53,21	218.00	28bbR	150	1
31	53,35	218.00	28bbS	173	1
35	54,31	217.00	29aaS	80	1
37	54,64	218.00	29bbR	199	2
38	54,74	218.00	29bbS	194	2
41	55,33	217.00	29aaR	100	1
44	55,82	218.00	30bbR	57	0
45	55,85	218.00	30bbS	56	0

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	46,05	217.00	24baa	768	25

DITERPANES:					
5	33,85	191.00	19/3	240	6
6	35,80	191.00	20/3	177	5
7	37,82	191.00	21/3	265	7
11	41,75	191.00	23/3	417	11
13	42,85	191.00	24/3	340	9
14	45,10	191.00	25/3	176	5
16	46,72	191.00	26/3R	117	3
17	46,86	191.00	26/3S	112	3
20	50,35	191.00	28/3R	141	4
21	50,59	191.00	28/3S	134	3
23	51,39	191.00	29/3R	179	5
25	51,66	191.00	29/3S	161	4
15	46,61	191.00	24/4	318	8

TRITERPANES:					
26	52,51	191.00	27Ts	730	19
28	52,74	177.00	25nor28ab	207	5
29	53,17	191.00	27Tm	732	19
33	53,66	191.00	27b	188	5
32	53,55	177.00	25nor29ab	822	21
34	54,72	191.00	28ab	662	17
36	54,95	177.00	25nor30ab	449	12
39	55,42	191.00	29ab	1439	38
40	55,51	191.00	29Ts	715	19
43	56,20	191.00	29ba	236	6
42	55,76	191.00	30D	499	13
46	56,77	191.00	30ab	2897	53
47	57,11	191.00	30D13	307	8
48	57,40	191.00	30ba	269	5
51	58,86	191.00	30G	271	7
49	58,34	191.00	31abS	1386	36
50	58,55	191.00	31abR	940	25
52	59,06	191.00	31ba	136	4
53	59,57	191.00	32abS	947	25
54	59,83	191.00	32abR	671	18
55	61,00	191.00	33abS	800	21
56	61,36	191.00	33abR	522	14
57	62,48	191.00	34abS	481	13
58	62,95	191.00	34abR	274	7
59	64,13	191.00	35abS	367	10
60	64,80	191.00	35abR	225	6

SATURATE BIOMARKERS	
File name (sample):	1750_B.D
File path:	C:\HPCHEM\1\DATA\SAT_ARO\F650723\
Misc information:	
Sample name:	25/11-18, 1750 w.
Operator:	JORUNN
Method:	MSD_S_C
Date analyzed:	#####

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38,31	217.00	21aa	519	14
9	39,96	217.00	21bb	605	20
10	40,09	217.00	22aa	423	14
12	42,29	217.00	22bb	367	12
18	48,55	217.00	27dbS	800	26
19	49,17	217.00	27dbR	507	17
22	51,50	218.00	27bbR	769	25
24	51,64	218.00	27bbS	576	19
27	52,05	217.00	27aaR	356	12
30	53,23	218.00	28bbR	483	16
31	53,37	218.00	28bbS	598	20
35	54,33	217.00	29aaS	310	10
37	54,65	218.00	29bbR	717	23
38	54,74	218.00	29bbS	716	23
41	55,34	217.00	29aaR	328	11
44	55,83	218.00	30bbR	207	7
45	55,86	218.00	30bbS	207	7

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	46,07	217.00	24baa	814	22

DITERPANES:					
5	33,87	191.00	19/3	495	11
6	35,82	191.00	20/3	414	9
7	37,85	191.00	21/3	609	13
11	41,76	191.00	23/3	935	21
13	42,88	191.00	24/3	741	16
14	45,18	191.00	25/3	419	9
16	46,76	191.00	26/3R	282	6
17	46,89	191.00	26/3S	287	6
20	50,40	191.00	28/3R	310	7
21	50,63	191.00	28/3S	266	6
23	51,42	191.00	29/3R	395	9
25	51,70	191.00	29/3S	329	7
15	46,64	191.00	24/4	648	14

TRITERPANES:					
26	52,53	191.00	27Ts	1669	37
28	52,79	177.00	25nor28ab	423	9
29	53,19	191.00	27Tm	1426	32
33	53,70	191.00	27b	309	7
32	53,57	177.00	25nor29ab	1724	38
34	54,75	191.00	28ab	1495	33
36	54,96	177.00	25nor30ab	1018	23
39	55,44	191.00	29ab	2768	61
40	55,55	191.00	29Ts	1681	37
43	56,23	191.00	29ba	477	11
42	55,80	191.00	30D	1101	24
46	56,81	191.00	30ab	5741	88
47	57,14	191.00	30D13	619	14
48	57,42	191.00	30ba	559	9
51	58,89	191.00	30G	534	12
49	58,37	191.00	31abS	2917	65
50	58,57	191.00	31abR	1924	43
52	59,07	191.00	31ba	293	6
53	59,59	191.00	32abS	2114	47
54	59,86	191.00	32abR	1392	31
55	61,01	191.00	33abS	1703	38
56	61,37	191.00	33abR	1105	24
57	62,50	191.00	34abS	1004	22
58	62,97	191.00	34abR	592	13
59	64,15	191.00	35abS	708	16
60	64,83	191.00	35abR	507	11

SATURATE BIOMARKERS

File name (sample):
1755_B.D

File path:
C:\HPCHEM\1\DATA\SAT_ARO\F650723\

Misc information:

Sample name:
25/11-18 , 1755.0 u

Operator:
JORUNN

Method:
MSD_S_C

Date analyzed:
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Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38,34	217.00	21aa	1150	25
9	39,99	217.00	21bb	1281	36
10	40,11	217.00	22aa	889	25
12	42,32	217.00	22bb	741	21
18	48,59	217.00	27dbS	1837	51
19	49,22	217.00	27dbR	1119	31
22	51,53	218.00	27bbR	1720	48
24	51,69	218.00	27bbS	1238	34
27	52,08	217.00	27aaR	706	20
30	53,27	218.00	28bbR	1051	29
31	53,41	218.00	28bbS	1235	34
35	54,37	217.00	29aaS	723	20
37	54,67	218.00	29bbR	1465	41
38	54,78	218.00	29bbS	1407	39
41	55,38	217.00	29aaR	739	20
44	55,84	218.00	30bbR	453	13
45	55,90	218.00	30bbS	430	12

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	46,02	217.00	24baa	396	21

DITERPANES:					
5	33,82	191.00	19/3	137	6
6	35,77	191.00	20/3	107	5
7	37,79	191.00	21/3	179	8
11	41,71	191.00	23/3	284	12
13	42,83	191.00	24/3	231	10
14	45,09	191.00	25/3	124	5
16	46,69	191.00	26/3R	62	3
17	46,83	191.00	26/3S	81	4
20	50,34	191.00	28/3R	78	3
21	50,56	191.00	28/3S	76	3
23	51,35	191.00	29/3R	101	4
25	51,65	191.00	29/3S	109	5
15	46,60	191.00	24/4	203	9

TRITERPANES:					
26	52,48	191.00	27Ts	490	21
28	52,72	177.00	25nor28ab	134	6
29	53,14	191.00	27Tm	413	18
33	53,63	191.00	27b	105	5
32	53,52	177.00	25nor29ab	536	23
34	54,68	191.00	28ab	391	17
36	54,90	177.00	25nor30ab	324	14
39	55,39	191.00	29ab	871	38
40	55,48	191.00	29Ts	484	21
43	56,16	191.00	29ba	144	6
42	55,75	191.00	30D	309	13
46	56,74	191.00	30ab	1709	52
47	57,09	191.00	30D13	195	9
48	57,35	191.00	30ba	170	5
51	58,83	191.00	30G	173	8
49	58,31	191.00	31abS	877	38
50	58,50	191.00	31abR	591	26
52	59,04	191.00	31ba	68	3
53	59,54	191.00	32abS	641	28
54	59,81	191.00	32abR	433	19
55	60,95	191.00	33abS	505	22
56	61,33	191.00	33abR	325	14
57	62,45	191.00	34abS	289	13
58	62,92	191.00	34abR	178	8
59	64,10	191.00	35abS	235	10
60	64,76	191.00	35abR	150	7

SATURATE BIOMARKERS

File name (sample):

1772_03.D

File path:

C:\HPCHEM\1\DATA\SAT_ARO\A251118\

Misc information:

Sample name:

25/11-18, 1772.03 w

Operator:

JKB,GN

Method:

MSD_S_C

Date analyzed:

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Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38,28	217.00	21aa	323	14
9	39,93	217.00	21bb	359	20
10	40,06	217.00	22aa	256	14
12	42,26	217.00	22bb	239	13
18	48,52	217.00	27dbS	534	29
19	49,15	217.00	27dbR	294	16
22	51,47	218.00	27bbR	522	29
24	51,63	218.00	27bbS	363	20
27	52,01	217.00	27aaR	218	12
30	53,22	218.00	28bbR	257	14
31	53,34	218.00	28bbS	349	19
35	54,32	217.00	29aaS	199	11
37	54,62	218.00	29bbR	427	23
38	54,73	218.00	29bbS	405	22
41	55,31	217.00	29aaR	205	11
44	55,78	218.00	30bbR	130	7
45	55,84	218.00	30bbS	120	7

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std. (if added):					
4	46,02	217.00	24baa	291	22

DITERPANES:					
5	33,82	191.00	19/3	163	10
6	35,78	191.00	20/3	143	9
7	37,79	191.00	21/3	226	14
11	41,73	191.00	23/3	344	21
13	42,84	191.00	24/3	258	16
14	45,12	191.00	25/3	138	9
16	46,71	191.00	26/3R	84	5
17	46,85	191.00	26/3S	91	6
20	50,34	191.00	28/3R	108	7
21	50,58	191.00	28/3S	100	6
23	51,36	191.00	29/3R	135	8
25	51,65	191.00	29/3S	107	7
15	46,58	191.00	24/4	222	14

TRITERPANES:					
26	52,48	191.00	27Ts	599	37
28	52,73	177.00	25nor28ab	165	10
29	53,14	191.00	27Tm	513	32
33	53,64	191.00	27b	114	7
32	53,52	177.00	25nor29ab	637	39
34	54,70	191.00	28ab	488	30
36	54,92	177.00	25nor30ab	325	20
39	55,39	191.00	29ab	1021	63
40	55,50	191.00	29Ts	596	37
43	56,17	191.00	29ba	197	12
42	55,75	191.00	30D	387	24
46	56,76	191.00	30ab	2344	101
47	57,09	191.00	30D13	259	16
48	57,37	191.00	30ba	216	9
51	58,83	191.00	30G	183	11
49	58,31	191.00	31abS	1025	63
50	58,52	191.00	31abR	735	45
52	59,04	191.00	31ba	70	4
53	59,54	191.00	32abS	722	45
54	59,81	191.00	32abR	502	31
55	60,97	191.00	33abS	622	38
56	61,33	191.00	33abR	400	25
57	62,45	191.00	34abS	346	21
58	62,92	191.00	34abR	189	12
59	64,10	191.00	35abS	267	17
60	64,77	191.00	35abR	169	10

SATURATE BIOMARKERS

File name (sample):
1781_04.D

File path:
C:\HPCHEM\1\DATA\SAT_ARO\A251118\

Misc information:

Sample name:
25/11-18, 1781-04w.

Operator:
JKB,GN

Method:
MSD_S_C

Date analyzed:
#####

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38,30	217.00	21aa	437	25
9	39,93	217.00	21bb	453	35
10	40,06	217.00	22aa	322	25
12	42,26	217.00	22bb	265	21
18	48,53	217.00	27dbS	608	47
19	49,16	217.00	27dbR	387	30
22	51,49	218.00	27bbR	590	46
24	51,63	218.00	27bbS	415	32
27	52,02	217.00	27aaR	255	20
30	53,22	218.00	28bbR	360	28
31	53,34	218.00	28bbS	415	32
35	54,32	217.00	29aaS	220	17
37	54,63	218.00	29bbR	526	41
38	54,73	218.00	29bbS	470	36
41	55,33	217.00	29aaR	232	18
44	55,80	218.00	30bbR	151	12
45	55,84	218.00	30bbS	137	11

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std. (if added):					
4	45,98	217.00	24baa	478	20

DITERPANES:					
5	33,93	191.00	19/3	7	0
6	35,83	191.00	20/3	5	0
7	37,75	191.00	21/3	7	0
11	41,68	191.00	23/3	13	0
13	42,79	191.00	24/3	11	0
14	45,07	191.00	25/3	9	0
16	46,67	191.00	26/3R	9	0
17	46,93	191.00	26/3S	4	0
20	50,30	191.00	28/3R	7	0
21	50,52	191.00	28/3S	6	0
23	51,33	191.00	29/3R	9	0
25	51,77	191.00	29/3S	4	0
15	46,56	191.00	24/4	7	0

TRITERPANES:					
26	52,43	191.00	27Ts	13	0
28	52,74	177.00	25nor28ab	4	0
29	53,09	191.00	27Tm	11	0
33	53,70	191.00	27b	55	2
32	53,48	177.00	25nor29ab	13	0
34	54,72	191.00	28ab	5	0
36	54,89	177.00	25nor30ab	3	0
39	55,35	191.00	29ab	21	1
40	55,44	191.00	29Ts	8	0
43	56,29	191.00	29ba	5	0
42	55,73	191.00	30D	7	0
46	56,72	191.00	30ab	33	1
47	57,05	191.00	30D13	7	0
48	57,33	191.00	30ba	6	0
51	58,81	191.00	30G	5	0
49	58,27	191.00	31abS	24	1
50	58,48	191.00	31abR	11	0
52	59,04	191.00	31ba	5	0
53	59,50	191.00	32abS	15	1
54	59,78	191.00	32abR	12	0
55	60,94	191.00	33abS	9	0
56	61,32	191.00	33abR	9	0
57	62,39	191.00	34abS	7	0
58	62,99	191.00	34abR	7	0
59	64,05	191.00	35abS	10	0
60	64,76	191.00	35abR	5	0

SATURATE BIOMARKERS					
File name (sample): 1790_04S.D					
File path: C:\HPCHEM\1\DATA\SAT_ARO\A251118\					
Misc information:					
Sample name: 25/11-18, 1790.04 u, COCH					
Operator: JKB,GN					
Method: MSD_S_C					
Date analyzed: #####					

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38,39	217.00	21aa	6	0
9	39,89	217.00	21bb	9	0
10	40,06	217.00	22aa	4	0
12	42,23	217.00	22bb	8	0
18	48,50	217.00	27dbS	9	0
19	49,13	217.00	27dbR	4	0
22	51,44	218.00	27bbR	16	1
24	51,58	218.00	27bbS	9	0
27	51,97	217.00	27aaR	32	1
30	53,29	218.00	28bbR	8	0
31	53,32	218.00	28bbS	11	0
35	54,31	217.00	29aaS	6	0
37	54,59	218.00	29bbR	5	0
38	54,67	218.00	29bbS	5	0
41	55,38	217.00	29aaR	5	0
44	55,77	218.00	30bbR	6	0
45	55,82	218.00	30bbS	6	0

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	45.94	217.00	24baa	586	21

DITERPANES:					
5	33.73	191.00	19/3	408	12
6	35.68	191.00	20/3	309	9
7	37.70	191.00	21/3	477	14
11	41.63	191.00	23/3	725	21
13	42.74	191.00	24/3	631	18
14	45.01	191.00	25/3	311	9
16	46.61	191.00	26/3R	204	6
17	46.75	191.00	26/3S	204	6
20	50.24	191.00	28/3R	254	7
21	50.48	191.00	28/3S	217	6
23	51.27	191.00	29/3R	301	9
25	51.55	191.00	29/3S	260	8
15	46.50	191.00	24/4	529	16

TRITERPANES:					
26	52.38	191.00	27Ts	1314	39
28	52.63	177.00	25nor28ab	378	11
29	53.04	191.00	27Tm	1115	33
33	53.73	191.00	27b	20	1
32	53.42	177.00	25nor29ab	1475	43
34	54.60	191.00	28ab	1066	31
36	54.82	177.00	25nor30ab	789	23
39	55.29	191.00	29ab	2303	68
40	55.40	191.00	29Ts	1277	37
43	56.08	191.00	29ba	387	11
42	55.65	191.00	30D	840	25
46	56.66	191.00	30ab	4648	95
47	56.99	191.00	30D13	542	16
48	57.27	191.00	30ba	435	9
51	58.77	191.00	30G	336	10
49	58.22	191.00	31abS	2321	68
50	58.42	191.00	31abR	1628	48
52	58.94	191.00	31ba	193	6
53	59.44	191.00	32abS	1694	50
54	59.71	191.00	32abR	1302	38
55	60.87	191.00	33abS	1431	42
56	61.23	191.00	33abR	992	29
57	62.35	191.00	34abS	911	27
58	62.82	191.00	34abR	519	15
59	63.99	191.00	35abS	675	20
60	64.66	191.00	35abR	412	12

SATURATE BIOMARKERS

File name (sample): 1606SWC.D
File path: C:\HPCHEM\1\DATA\SAT\A2511_X\
Misc information:
Sample name: 25/11-18, 1606-0w, SWC
Operator: JKB,GN
Method: MSD_S_C
Date analyzed: 29. Nov. 94

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38.20	217.00	21aa	912	27
9	39.85	217.00	21bb	985	36
10	39.96	217.00	22aa	731	27
12	42.18	217.00	22bb	663	24
18	48.44	217.00	27dbS	1533	56
19	49.06	217.00	27dbR	868	32
22	51.39	218.00	27bbR	1308	48
24	51.53	218.00	27bbS	884	32
27	51.93	217.00	27aaR	546	20
30	53.11	218.00	28bbR	697	26
31	53.25	218.00	28bbS	922	34
35	54.24	217.00	29aaS	483	18
37	54.52	218.00	29bbR	1084	40
38	54.63	218.00	29bbS	955	35
41	55.23	217.00	29aaR	552	20
44	55.70	218.00	30bbR	367	13
45	55.75	218.00	30bbS	308	11

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	45.94	217.00	24baa	592	16

DITERPANES:					
5	33.75	191.00	19/3	542	12
6	35.70	191.00	20/3	438	10
7	37.71	191.00	21/3	711	16
11	41.64	191.00	23/3	1068	24
13	42.76	191.00	24/3	855	19
14	45.06	191.00	25/3	474	11
16	46.63	191.00	26/3R	325	7
17	46.75	191.00	26/3S	302	7
20	50.26	191.00	28/3R	385	9
21	50.50	191.00	28/3S	334	8
23	51.28	191.00	29/3R	448	10
25	51.56	191.00	29/3S	436	10
15	46.50	191.00	24/4	721	16

TRITERPANES:					
26	52.40	191.00	27Ts	1860	42
28	52.63	177.00	25nor28ab	467	11
29	53.06	191.00	27Tm	1605	36
33	53.62	191.00	27b	157	4
32	53.44	177.00	25nor29ab	1977	45
34	54.60	191.00	28ab	1562	35
36	54.82	177.00	25nor30ab	1143	26
39	55.29	191.00	29ab	3230	73
40	55.42	191.00	29Ts	1827	41
43	56.09	191.00	29ba	588	13
42	55.65	191.00	30D	1165	26
46	56.66	191.00	30ab	6945	110
47	57.00	191.00	30D13	779	18
48	57.27	191.00	30ba	683	11
51	58.75	191.00	30G	583	13
49	58.23	191.00	31abS	3637	83
50	58.42	191.00	31abR	2320	53
52	58.94	191.00	31ba	238	5
53	59.46	191.00	32abS	2596	59
54	59.72	191.00	32abR	1821	41
55	60.87	191.00	33abS	2176	49
56	61.25	191.00	33abR	1381	31
57	62.37	191.00	34abS	1319	30
58	62.84	191.00	34abR	698	16
59	64.00	191.00	35abS	1099	25
60	64.66	191.00	35abR	641	15

SATURATE BIOMARKERS					
File name (sample): 1732.D					
File path: C:\HPCHEM\1\DATA\SAT\A2511_X\					
Misc information:					
Sample name: 25/11-18 ² 1732 w, SST, COCH					
Operator: JKB,GN					
Method: MSD_S_C					
Date analyzed: 29. Nov. 94					

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38.22	217.00	21aa	1324	31
9	39.87	217.00	21bb	1404	40
10	39.98	217.00	22aa	1083	31
12	42.18	217.00	22bb	925	26
18	48.44	217.00	27dbS	2104	60
19	49.08	217.00	27dbR	1406	40
22	51.39	218.00	27bbR	2096	60
24	51.55	218.00	27bbS	1493	42
27	51.94	217.00	27aaR	855	24
30	53.12	218.00	28bbR	1158	33
31	53.26	218.00	28bbS	1506	43
35	54.22	217.00	29aaS	878	25
37	54.54	218.00	29bbR	1696	48
38	54.63	218.00	29bbS	1545	44
41	55.23	217.00	29aaR	883	25
44	55.70	218.00	30bbR	581	17
45	55.75	218.00	30bbS	493	14

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	45.94	217.00	24baa	611	29

DITERPANES:					
5	33.73	191.00	19/3	365	14
6	35.68	191.00	20/3	314	12
7	37.71	191.00	21/3	443	17
11	41.63	191.00	23/3	664	26
13	42.74	191.00	24/3	545	21
14	45.04	191.00	25/3	311	12
16	46.63	191.00	26/3R	199	8
17	46.75	191.00	26/3S	204	8
20	50.24	191.00	28/3R	233	9
21	50.48	191.00	28/3S	192	8
23	51.27	191.00	29/3R	279	11
25	51.72	191.00	29/3S	233	9
15	46.50	191.00	24/4	468	18

TRITERPANES:					
26	52.38	191.00	27Ts	1352	53
28	52.63	177.00	25nor28ab	322	13
29	53.04	191.00	27Tm	983	38
33	53.62	191.00	27b	82	3
32	53.42	177.00	25nor29ab	1250	49
34	54.60	191.00	28ab	915	36
36	54.80	177.00	25nor30ab	617	24
39	55.29	191.00	29ab	1936	76
40	55.40	191.00	29Ts	1096	43
43	56.08	191.00	29ba	408	16
42	55.64	191.00	30D	772	30
46	56.64	191.00	30ab	4404	120
47	56.99	191.00	30D13	509	20
48	57.27	191.00	30ba	478	13
51	58.75	191.00	30G	376	15
49	58.22	191.00	31abS	2190	86
50	58.42	191.00	31abR	1528	60
52	58.94	191.00	31ba	195	8
53	59.44	191.00	32abS	1644	64
54	59.72	191.00	32abR	1092	43
55	60.87	191.00	33abS	1331	52
56	61.23	191.00	33abR	947	37
57	62.35	191.00	34abS	862	34
58	62.82	191.00	34abR	511	20
59	63.99	191.00	35abS	723	28
60	64.65	191.00	35abR	447	17

SATURATE BIOMARKERS

File name (sample): 1742.D
File path: C:\HPCHEM\1\DATA\SAT\A2511_X\
Misc information:
Sample name: 25/11-18 T2, 1742 m, SST, Coct
Operator: JKB,GN
Method: MSD_S_C
Date analyzed: 29. Nov. 94

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38.22	217.00	21aa	782	33
9	39.85	217.00	21bb	901	44
10	39.98	217.00	22aa	669	33
12	42.18	217.00	22bb	542	27
18	48.44	217.00	27dbS	1388	68
19	49.06	217.00	27dbR	831	41
22	51.39	218.00	27bbR	1350	66
24	51.53	218.00	27bbS	914	45
27	51.93	217.00	27aaR	483	24
30	53.12	218.00	28bbR	699	34
31	53.26	218.00	28bbS	925	45
35	54.22	217.00	29aaS	493	24
37	54.54	218.00	29bbR	1050	51
38	54.63	218.00	29bbS	996	49
41	55.23	217.00	29aaR	561	27
44	55.70	218.00	30bbR	345	17
45	55.73	218.00	30bbS	314	15

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	46,00	217.00	24baa	825	22
DITERPANES:					
5	33,80	191.00	19/3	605	13
6	35,75	191.00	20/3	519	11
7	37,77	191.00	21/3	752	16
11	41,71	191.00	23/3	1178	25
13	42,81	191.00	24/3	961	21
14	45,10	191.00	25/3	514	11
16	46,67	191.00	26/3R	267	6
17	46,82	191.00	26/3S	303	7
20	50,31	191.00	28/3R	360	8
21	50,56	191.00	28/3S	349	8
23	51,33	191.00	29/3R	477	10
25	51,63	191.00	29/3S	392	8
15	46,56	191.00	24/4	896	19
TRITERPANES:					
26	52,46	191.00	27Ts	1915	41
28	52,70	177.00	25nor28ab	579	12
29	53,12	191.00	27Tm	1878	40
33	53,61	191.00	27b	482	11
32	53,50	177.00	25nor29ab	2058	44
34	54,66	191.00	28ab	1734	37
36	54,88	177.00	25nor30ab	1279	28
39	55,37	191.00	29ab	3538	76
40	55,48	191.00	29Ts	2039	44
43	56,15	191.00	29ba	623	13
42	55,71	191.00	30D	1375	30
46	56,72	191.00	30ab	7571	114
47	57,05	191.00	30D13	842	18
48	57,33	191.00	30ba	789	12
51	58,81	191.00	30G	613	13
49	58,29	191.00	31abS	3989	86
50	58,48	191.00	31abR	2729	59
52	59,00	191.00	31ba	330	7
53	59,52	191.00	32abS	2759	59
54	59,79	191.00	32abR	1983	43
55	60,93	191.00	33abS	2375	51
56	61,30	191.00	33abR	1637	35
57	62,41	191.00	34abS	1365	29
58	62,88	191.00	34abR	842	18
59	64,06	191.00	35abS	1162	25
60	64,74	191.00	35abR	689	15

SATURATE BIOMARKERS

File name (sample): 1755_S2.D
File path: C:\HPCHEM\1\DATA\SAT_ARO\HER18RFT\
Misc information:
Sample name: 25/11-18, 1755 m,SRFT, SAT
Operator: JORUNN
Method: MSD_S_C
Date analyzed: 11.10.94

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38,26	217.00	21aa	1385	26
9	39,91	217.00	21bb	1559	42
10	40,02	217.00	22aa	978	26
12	42,24	217.00	22bb	967	26
18	48,50	217.00	27dbS	2327	63
19	49,13	217.00	27dbR	1370	37
22	51,45	218.00	27bbR	2063	56
24	51,60	218.00	27bbS	1420	38
27	52,00	217.00	27aaR	862	23
30	53,18	218.00	28bbR	1302	35
31	53,32	218.00	28bbS	1444	39
35	54,30	217.00	29aaS	826	22
37	54,60	218.00	29bbR	1753	47
38	54,71	218.00	29bbS	1474	40
41	55,29	217.00	29aaR	877	23
44	55,76	218.00	30bbR	551	15
45	55,82	218.00	30bbS	473	13

Peak#	Rt min	Ion m/z	Compound	Height	Amount
Int.Std.(if added):					ng/mg
4	46,17	217.00	24baa	3590	28

DITERPANES:					
5	33,97	191.00	19/3	2321	15
6	35,94	191.00	20/3	1793	11
7	37,95	191.00	21/3	2962	19
11	41,87	191.00	23/3	3884	25
13	42,99	191.00	24/3	3373	22
14	45,28	191.00	25/3	1850	12
16	46,85	191.00	26/3R	1143	7
17	46,99	191.00	26/3S	1151	7
20	50,49	191.00	28/3R	1228	8
21	50,73	191.00	28/3S	1137	7
23	51,51	191.00	29/3R	1567	10
25	51,79	191.00	29/3S	1401	9
15	46,75	191.00	24/4	2787	18

TRITERPANES:					
26	52,64	191.00	27Ts	7218	46
28	52,88	177.00	25nor28ab	1873	12
29	53,30	191.00	27Tm	5605	36
33	53,77	191.00	27b	1574	11
32	53,68	177.00	25nor29ab	7043	45
34	54,86	191.00	28ab	5741	37
36	55,06	177.00	25nor30ab	3636	23
39	55,55	191.00	29ab	11671	75
40	55,66	191.00	29Ts	6331	41
43	56,33	191.00	29ba	1965	13
42	55,89	191.00	30D	4300	28
46	56,91	191.00	30ab	24834	111
47	57,24	191.00	30D13	2551	16
48	57,52	191.00	30ba	2316	10
51	58,99	191.00	30G	2436	16
49	58,47	191.00	31abS	12096	77
50	58,66	191.00	31abR	8082	52
52	59,19	191.00	31ba	1020	7
53	59,68	191.00	32abS	8135	52
54	59,96	191.00	32abR	5662	36
55	61,10	191.00	33abS	6813	44
56	61,47	191.00	33abR	4712	30
57	62,60	191.00	34abS	4106	26
58	63,07	191.00	34abR	2365	15
59	64,26	191.00	35abS	3352	21
60	64,95	191.00	35abR	2087	13

SATURATE BIOMARKERS

File name (sample): OMUD4060.D
File path: C:\HPCHEM\1\DATA\MUD40_60\
Misc information:
Sample name: 0%40/60 1764.5m 25/11-15
Operator: lotte
Method: MSD_S_C
Date analyzed: 13.Jul.94

Peak#	Rt min.	Ion m/z	Compound	Height	Amount
STERANES:					ng/mg
8	38,45	217.00	21aa	5464	34
9	40,10	217.00	21bb	5795	47
10	40,21	217.00	22aa	4244	34
12	42,42	217.00	22bb	3453	28
18	48,67	217.00	27dbS	7729	62
19	49,30	217.00	27dbR	5099	41
22	51,64	218.00	27bbR	7341	59
24	51,78	218.00	27bbS	5226	42
27	52,17	217.00	27aaR	2956	24
30	53,36	218.00	28bbR	4364	35
31	53,51	218.00	28bbS	5268	42
35	54,48	217.00	29aaS	2895	23
37	54,78	218.00	29bbR	5593	45
38	54,87	218.00	29bbS	5411	43
41	55,47	217.00	29aaR	3152	25
44	55,94	218.00	30bbR	1809	15
45	55,97	218.00	30bbS	1684	14

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	46,17	217.00	24baa	7745	23

DITERPANES:					
5	33,97	191.00	19/3	2059	5
6	35,94	191.00	20/3	1758	4
7	37,95	191.00	21/3	2560	6
11	41,87	191.00	23/3	3872	9
13	42,99	191.00	24/3	3368	8
14	45,25	191.00	25/3	1584	4
16	46,85	191.00	26/3R	1035	3
17	46,99	191.00	26/3S	1135	3
20	50,49	191.00	28/3R	1189	3
21	50,73	191.00	28/3S	1066	3
23	51,51	191.00	29/3R	1527	4
25	51,79	191.00	29/3S	1480	4
15	46,75	191.00	24/4	2798	7

TRITERPANES:					
26	52,64	191.00	27Ts	6451	16
28	52,88	177.00	25nor28ab	1753	4
29	53,30	191.00	27Tm	5591	14
33	53,77	191.00	27b	1527	4
32	53,68	177.00	25nor29ab	6565	16
34	54,86	191.00	28ab	4948	12
36	55,06	177.00	25nor30ab	3562	9
39	55,55	191.00	29ab	10406	26
40	55,66	191.00	29Ts	5743	14
43	56,33	191.00	29ba	1744	4
42	55,89	191.00	30D	3977	10
46	56,91	191.00	30ab	21966	38
47	57,23	191.00	30D13	2362	6
48	57,51	191.00	30ba	2202	4
51	58,98	191.00	30G	2071	5
49	58,47	191.00	31abS	11727	29
50	58,66	191.00	31abR	7589	19
52	59,17	191.00	31ba	1258	3
53	59,69	191.00	32abS	7244	18
54	59,96	191.00	32abR	5285	13
55	61,10	191.00	33abS	6413	16
56	61,47	191.00	33abR	4176	10
57	62,60	191.00	34abS	3804	9
58	63,07	191.00	34abR	2130	5
59	64,26	191.00	35abS	3119	8
60	64,94	191.00	35abR	2081	5

SATURATE BIOMARKERS

File name (sample): 15MU4060.D
File path: C:\HPCHEM\1\DATA\MUD40_60\
Misc information:
Sample name: 15%40/60 1764.5m 25/11-15
Operator: lotte
Method: MSD_S_C
Date analyzed: 13.Jul.94

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38,45	217.00	21aa	5039	12
9	40,10	217.00	21bb	5479	17
10	40,21	217.00	22aa	3938	12
12	42,42	217.00	22bb	3095	10
18	48,67	217.00	27dbS	7141	22
19	49,31	217.00	27dbR	4264	13
22	51,64	218.00	27bbR	6256	19
24	51,78	218.00	27bbS	5027	15
27	52,17	217.00	27aaR	2808	9
30	53,36	218.00	28bbR	4033	12
31	53,49	218.00	28bbS	5011	15
35	54,48	217.00	29aaS	2443	8
37	54,78	218.00	29bbR	5576	17
38	54,87	218.00	29bbS	4933	15
41	55,47	217.00	29aaR	2638	8
44	55,94	218.00	30bbR	1757	5
45	55,99	218.00	30bbS	1622	5

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	46,17	217.00	24baa	2968	4
DITERPANES:					
5	33,97	191.00	19/3	1940	2
6	35,94	191.00	20/3	1670	2
7	37,95	191.00	21/3	2541	3
11	41,87	191.00	23/3	3621	4
13	42,99	191.00	24/3	2961	3
14	45,28	191.00	25/3	1605	2
16	46,85	191.00	26/3R	1073	1
17	46,99	191.00	26/3S	1027	1
20	50,49	191.00	28/3R	1134	1
21	50,71	191.00	28/3S	915	1
23	51,51	191.00	29/3R	1502	1
25	51,79	191.00	29/3S	1243	1
15	46,75	191.00	24/4	2492	2
TRITERPANES:					
26	52,63	191.00	27Ts	6208	6
28	52,86	177.00	25nor28ab	1623	2
29	53,30	191.00	27Tm	5248	5
33	53,80	191.00	27b	908	1
32	53,66	177.00	25nor29ab	6210	6
34	54,86	191.00	28ab	4744	5
36	55,06	177.00	25nor30ab	3532	3
39	55,55	191.00	29ab	9985	10
40	55,64	191.00	29Ts	5268	5
43	56,33	191.00	29ba	1538	2
42	55,89	191.00	30D	4122	4
46	56,90	191.00	30ab	21325	15
47	57,24	191.00	30D13	2237	2
48	57,51	191.00	30ba	2291	2
51	58,98	191.00	30G	1671	2
49	58,47	191.00	31abS	10510	10
50	58,66	191.00	31abR	7477	7
52	59,17	191.00	31ba	828	1
53	59,68	191.00	32abS	7120	7
54	59,96	191.00	32abR	4711	5
55	61,10	191.00	33abS	6275	6
56	61,47	191.00	33abR	3902	4
57	62,58	191.00	34abS	3639	4
58	63,07	191.00	34abR	2132	2
59	64,26	191.00	35abS	2923	3
60	64,94	191.00	35abR	1990	2

SATURATE BIOMARKERS

File name (sample): 29MU4060.D
File path: H:\AP\MSDARKIV\MSD-HC\1\DATA\SAT\MUD40_60
Misc information:
Sample name: 29 %40/60 1764.5m 25/11-15
Operator: lotte
Method: MSD_S_C
Date analyzed: 13.07.94

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38,45	217.00	21aa	4669	4
9	40,10	217.00	21bb	5099	6
10	40,21	217.00	22aa	3469	4
12	42,42	217.00	22bb	3029	4
18	48,67	217.00	27dbS	7525	9
19	49,31	217.00	27dbR	4348	5
22	51,62	218.00	27bbR	6533	8
24	51,78	218.00	27bbS	4586	6
27	52,17	217.00	27aaR	2745	3
30	53,36	218.00	28bbR	3734	5
31	53,49	218.00	28bbS	4541	6
35	54,48	217.00	29aaS	2431	3
37	54,78	218.00	29bbR	5078	6
38	54,87	218.00	29bbS	4907	6
41	55,47	217.00	29aaR	2412	3
44	55,92	218.00	30bbR	1559	2
45	55,99	218.00	30bbS	1523	2

Peak#	Rt min.	Ion m/z	Compound	Height	Amount
Int.Std.(if added):					ng/mg
4	46.22	217.00	24baa	4177	25
DITERPANES:					
5	34.02	191.00	19/3	1887	9
6	35.99	191.00	20/3	1437	7
7	37.99	191.00	21/3	1945	10
11	41.92	191.00	23/3	3077	15
13	43.04	191.00	24/3	2424	12
14	45.28	191.00	25/3	1411	7
16	46.90	191.00	26/3R	985	5
17	47.04	191.00	26/3S	1085	5
20	50.52	191.00	28/3R	1205	6
21	50.78	191.00	28/3S	1163	6
23	51.55	191.00	29/3R	1668	8
25	52.02	191.00	29/3S	1484	7
15	46.79	191.00	24/4	2278	11
TRITERPANES:					
26	52.09	191.00	27Ts	7657	38
28	52.73	177.00	25nor28ab	5377	27
29	53.35	191.00	27Tm	6166	31
33	53.82	191.00	27b	1608	8
32	53.71	177.00	25nor29ab	2956	15
34	54.89	191.00	28ab	8993	44
36	55.11	177.00	25nor30ab	2709	13
39	55.60	191.00	29ab	17046	84
40	55.69	191.00	29Ts	6789	34
43	56.38	191.00	29ba	3032	15
42	55.24	191.00	30D	4412	22
46	56.96	191.00	30ab	41804	144
47	57.28	191.00	30D13	2857	14
48	57.56	191.00	30ba	4311	15
51	59.03	191.00	30G	2411	12
49	58.52	191.00	31abS	15816	78
50	58.71	191.00	31abR	12106	60
52	59.22	191.00	31ba	1778	9
53	59.73	191.00	32abS	10920	54
54	60.01	191.00	32abR	7770	38
55	61.15	191.00	33abS	9275	46
56	61.52	191.00	33abR	6209	31
57	62.63	191.00	34abS	5462	27
58	63.12	191.00	34abR	3647	18
59	64.31	191.00	35abS	4386	22
60	65.00	191.00	35abR	2941	15

SATURATE BIOMARKERS

File name (sample):	BIOM02.D
File path:	C:\HPCHEM\1\DATA\SAT\HERM15S\
Misc information:	
Sample name:	
int.std. lab ref.	
Operator:	Arne
Method:	MSD_S_C
Date analyzed:	#####

Peak#	Rt min.	Ion m/z	Compound	Height	Amount
STERANES:					ng/mg
8	38.50	217.00	21a	4267	22
9	40.15	217.00	21bb	5234	33
10	40.26	217.00	22aa	3490	22
12	42.47	217.00	22bb	3363	21
18	48.72	217.00	27dbS	10097	63
19	49.36	217.00	27dbR	5764	36
22	51.67	218.00	27bbR	7854	49
24	51.83	218.00	27blG	5657	35
27	52.22	217.00	27aaR	3240	20
30	53.41	218.00	28bbR	4316	27
31	53.54	218.00	28bbS	5836	36
35	54.50	217.00	29aaS	3033	19
37	54.83	218.00	29bbR	6073	38
38	54.92	218.00	29bbS	6268	39
41	55.52	217.00	29aaR	3530	22
44	55.99	218.00	30bbR	2409	15
45	56.04	218.00	30bbS	2417	15

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std. (if added):					
4	46.22	217.00	24baa	5258	25

DITERPANES:					
5	34.02	191.00	19/3	2410	9
6	35.99	191.00	20/3	1792	7
7	38.00	191.00	21/3	2535	10
11	41.92	191.00	23/3	4159	16
13	43.04	191.00	24/3	3386	13
14	45.33	191.00	25/3	1807	7
16	46.91	191.00	26/3R	1238	5
17	47.04	191.00	26/3S	1447	6
20	50.52	191.00	28/3R	1547	6
21	50.78	191.00	28/3S	1456	6
23	51.56	191.00	29/3R	2120	8
25	52.02	191.00	29/3S	1925	7
15	46.80	191.00	24/4	3203	12

TRITERPANES:					
26	52.69	191.00	27Ts	9104	35
28	52.93	177.00	25nor28ab	7002	27
29	53.35	191.00	27Tm	8204	32
33	53.84	191.00	27b	1950	8
32	53.73	177.00	25nor29ab	3677	14
34	54.91	191.00	28ab	11314	44
36	55.11	177.00	25nor30ab	3201	12
39	55.60	191.00	29ab	22109	86
40	55.71	191.00	29Ts	8880	34
43	56.38	191.00	29ba	3779	15
42	55.94	191.00	30D	5207	20
46	56.96	191.00	30ab	53742	145
47	57.29	191.00	30D13	3745	15
48	57.56	191.00	30ba	4613	12
51	59.03	191.00	30G	3119	12
49	58.52	191.00	31abS	18744	73
50	58.71	191.00	31abR	14022	54
52	59.22	191.00	31ba	2523	10
53	59.74	191.00	32abS	12987	50
54	60.01	191.00	32abR	9636	37
55	61.15	191.00	33abS	11004	43
56	61.52	191.00	33abR	8021	31
57	62.65	191.00	34abS	6353	25
58	63.12	191.00	34abR	4236	16
59	64.31	191.00	35abS	5433	21
60	64.99	191.00	35abR	3411	13

SATURATE BIOMARKERS

File name (sample):	BIOM10.D
File path:	C:\HPCHEM\1\DATA\SAT\HERM15\
Misc information:	
Sample name:	
int.std. lab ref.	
Operator:	Arne
Method:	MSD_S_C
Date analyzed:	#####

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38.50	217.00	21aa	5725	21
9	40.15	217.00	21bb	6919	34
10	40.26	217.00	22aa	4404	21
12	42.47	217.00	22bb	4129	20
18	48.72	217.00	27dbS	12706	62
19	49.35	217.00	27dbR	7307	35
22	51.69	218.00	27bbR	9709	47
24	51.69	218.00	27bbS	9699	47
27	52.22	217.00	27aaR	4233	21
30	53.41	218.00	28bbR	6129	30
31	53.54	218.00	28bbS	7473	36
35	54.53	217.00	29aaS	4219	20
37	54.83	218.00	29bbR	8205	40
38	54.92	218.00	29bbS	7672	37
41	55.52	217.00	29aaR	3822	18
44	55.99	218.00	30bbR	3072	15
45	56.04	218.00	30bbS	2798	14

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	46.22	217.00	24baa	4209	25

DITERPANES:					
5	34.02	191.00	19/3	2131	10
6	35.97	191.00	20/3	1428	7
7	38.00	191.00	21/3	2070	10
11	41.92	191.00	23/3	3299	16
13	43.04	191.00	24/3	2583	13
14	45.28	191.00	25/3	1504	7
16	46.90	191.00	26/3R	1199	6
17	47.02	191.00	26/3S	1074	5
20	50.52	191.00	28/3R	1221	6
21	50.76	191.00	28/3S	1103	5
23	51.55	191.00	29/3R	1905	9
25	52.02	191.00	29/3S	1592	8
15	46.79	191.00	24/4	2523	12

TRITERPANES:					
26	52.68	191.00	27Ts	8154	39
28	52.93	177.00	25nor28ab	5577	27
29	53.34	191.00	27Tm	6665	32
33	53.82	191.00	27b	1727	9
32	53.71	177.00	25nor29ab	3323	16
34	54.89	191.00	28ab	9249	45
36	55.11	177.00	25nor30ab	2636	13
39	55.58	191.00	29ab	17822	86
40	55.69	191.00	29Ts	7620	37
43	56.37	191.00	29ba	3380	16
42	55.94	191.00	30D	4318	21
46	56.95	191.00	30ab	43963	148
47	57.28	191.00	30D13	2885	14
48	57.56	191.00	30ba	4310	15
51	59.02	191.00	30G	2472	12
49	58.50	191.00	31abS	16315	79
50	58.71	191.00	31abR	11514	56
52	59.22	191.00	31ba	1786	9
53	59.73	191.00	32abS	11063	54
54	59.99	191.00	32abR	7880	38
55	61.14	191.00	33abS	10199	49
56	61.50	191.00	33abR	6442	31
57	62.63	191.00	34abS	5975	29
58	63.12	191.00	34abR	3582	17
59	64.31	191.00	35abS	4727	23
60	64.99	191.00	35abR	3101	15

SATURATE BIOMARKERS

File name (sample):	BIOM20.D
File path:	C:\HPCHEM\1\DATA\SAT\HERM15S\
Misc information:	
Sample name:	
int.std. lab ref.	
Operator:	Arne
Method:	MSD_S_C
Date analyzed:	#####

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38.48	217.00	21aa	4280	22
9	40.13	217.00	21bb	5818	35
10	40.26	217.00	22aa	3594	22
12	42.47	217.00	22bb	3380	21
18	48.72	217.00	27dbS	11263	68
19	49.35	217.00	27dbR	6351	39
22	51.67	218.00	27bbR	8773	53
24	51.67	218.00	27bbS	8664	53
27	52.22	217.00	27aaR	3074	19
30	53.40	218.00	28bbR	4792	29
31	53.54	218.00	28bbS	6107	37
35	54.51	217.00	29aaS	3295	20
37	54.81	218.00	29bbR	6665	40
38	54.92	218.00	29bbS	6545	40
41	55.50	217.00	29aaR	3227	19
44	55.99	218.00	30bbR	2434	15
45	56.02	218.00	30bbS	2406	15

Peak#	Rt min.	Ion m/z	Compound	Height	Amount
Int.Std.(if added):					ng/mg
4	46.27	217.00	24baa	6252	25

DITERPANES:					
5	34.07	191.00	19/3	2826	9
6	36.02	191.00	20/3	2136	7
7	38.04	191.00	21/3	3110	10
11	41.97	191.00	23/3	4904	16
13	43.08	191.00	24/3	4109	13
14	45.36	191.00	25/3	2268	7
16	46.95	191.00	26/3R	1638	5
17	47.07	191.00	26/3S	1448	5
20	50.57	191.00	28/3R	1756	6
21	50.81	191.00	28/3S	1637	5
23	51.59	191.00	29/3R	2612	9
25	52.06	191.00	29/3S	2229	7
15	46.85	191.00	24/4	3627	12

TRITERPANES:					
26	52.72	191.00	27Ts	10811	35
28	52.97	177.00	25nor28ab	8329	27
29	53.40	191.00	27Tm	9616	31
33	53.87	191.00	27b	2200	7
32	53.76	177.00	25nor29ab	4394	14
34	54.95	191.00	28ab	12432	41
36	55.16	177.00	25nor30ab	3872	13
39	55.64	191.00	29ab	24366	79
40	55.74	191.00	29Ts	10127	33
43	56.41	191.00	29ba	4690	15
42	55.99	191.00	30D	5870	19
46	56.99	191.00	30ab	58648	133
47	57.32	191.00	30D13	3725	12
48	57.61	191.00	30ba	6511	15
51	59.07	191.00	30G	3487	11
49	58.56	191.00	31abS	21216	69
50	58.76	191.00	31abR	15472	50
52	59.27	191.00	31ba	2450	8
53	59.77	191.00	32abS	15117	49
54	60.04	191.00	32abR	10969	36
55	61.19	191.00	33abS	12746	42
56	61.55	191.00	33abR	8879	29
57	62.68	191.00	34abS	7338	24
58	63.16	191.00	34abR	4411	14
59	64.36	191.00	35abS	6366	21
60	65.03	191.00	35abR	4268	14

SATURATE BIOMARKERS

File name (sample):	BIOM29.D
File path:	C:\HPCHEM\1\DATA\SAT\HERM15S\
Misc information:	
Sample name:	
int.std. lab ref.	
Operator:	Arne
Method:	MSD_S_C
Date analyzed:	#####

Peak#	Rt min.	Ion m/z	Compound	Height	Amount
STERANES:					ng/mg
8	38.53	217.00	21aa	6532	22
9	40.18	217.00	21bb	8039	33
10	40.39	217.00	22aa	5351	22
12	42.52	217.00	22bb	5475	22
18	48.77	217.00	27dbS	14956	61
19	49.39	217.00	27dbR	8567	35
22	51.72	218.00	27bbR	11322	46
24	51.72	218.00	27bbS	11239	46
27	52.27	217.00	27aaR	4596	19
30	53.45	218.00	28bbR	6709	27
31	53.59	218.00	28bbS	8921	36
35	54.56	217.00	29aaS	4500	18
37	54.86	218.00	29bbR	8468	35
38	54.97	218.00	29bbS	9441	39
41	55.57	217.00	29aaR	5120	21
44	56.02	218.00	30bbR	3552	15
45	56.08	218.00	30bbS	3234	13

29/6

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
Int.Std.(if added):					
4	46.00	217.00	24baa	1580	21
DITERPANES:					
5	33.78	191.00	19/3	805	9
6	35.75	191.00	20/3	624	7
7	37.76	191.00	21/3	989	11
11	41.67	191.00	23/3	1490	16
13	42.79	191.00	24/3	1193	13
14	45.07	191.00	25/3	691	7
16	46.67	191.00	26/3R	431	5
17	46.80	191.00	26/3S	444	5
20	50.31	191.00	28/3R	503	5
21	50.53	191.00	28/3S	525	6
23	51.31	191.00	29/3R	794	9
25	51.61	191.00	29/3S	650	7
15	46.56	191.00	24/4	1129	12
TRITERPANES:					
26	52.43	191.00	27Ts	3358	36
28	52.68	177.00	25nor28ab	2444	26
29	53.10	191.00	27Tm	2836	31
33	53.59	191.00	27b	744	8
32	53.47	177.00	25nor29ab	1511	16
34	54.65	191.00	28ab	3948	43
36	54.87	177.00	25nor30ab	1290	14
39	55.35	191.00	29ab	8660	93
40	55.45	191.00	29Ts	3261	35
43	56.14	191.00	29ba	1570	17
42	55.70	191.00	30D	1942	21
46	56.71	191.00	30ab	18372	138
47	57.04	191.00	30D13	1286	14
48	57.32	191.00	30ba	2077	16
51	58.80	191.00	30G	1029	11
49	58.28	191.00	31abS	7606	82
50	58.47	191.00	31abR	5148	55
52	58.99	191.00	31ba	785	8
53	59.49	191.00	32abS	5237	56
54	59.76	191.00	32abR	3755	40
55	60.90	191.00	33abS	4560	49
56	61.27	191.00	33abR	2921	31
57	62.38	191.00	34abS	2770	30
58	62.85	191.00	34abR	1680	18
59	64.03	191.00	35abS	2250	24
60	64.69	191.00	35abR	1488	16

SATURATE BIOMARKERS

File name (sample): BIOMD02S.D
File path: C:\HPCHEM\1\DATA\SAT\A2511_X\
Misc information:
Sample name:
Operator: JKB,GN
Method: MSD_S_C
Date analyzed: 29. Nov. 94

Peak#	Rt min.	Ion m/z	Compound	Height	Amount ng/mg
STERANES:					
8	38.26	217.00	21aa	1764	22
9	39.90	217.00	21bb	2464	33
10	40.02	217.00	22aa	1618	22
12	42.22	217.00	22bb	1449	20
18	48.48	217.00	27dbS	4456	60
19	49.11	217.00	27dbR	2847	38
22	51.44	218.00	27bbR	3525	48
24	51.58	218.00	27bbS	2288	31
27	51.97	217.00	27aaR	1357	18
30	53.17	218.00	28bbR	1941	26
31	53.29	218.00	28bbS	2486	34
35	54.28	217.00	29aaS	1293	17
37	54.58	218.00	29bbR	2891	39
38	54.68	218.00	29bbS	2401	32
41	55.27	217.00	29aaR	1478	20
44	55.76	218.00	30bbR	1105	15
45	55.79	218.00	30bbS	976	13