

Table 14. GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	28/3 S	29/3 R	29/3 S	27Ts	30/3 R	27Tm	30/3 S	28(a)(b)	25nor30(a)(b)	29(a)(b)
2400.00	2400.00	307853	358882	324654	2861449	290971	3753151	591861	1551026	2103233	9176521
2430.00	2430.00	164316	193706	238976	6194235	0	13719693	0	197019757	0	50519320
2477.20	2477.20	605343	798484	360447	6728676	1718322	12773793	6523825	144346705	43976572	67424443
2550.00	2550.00	129052	100609	299352	3821536	166652	5755778	1492582	96734917	9188195	21774382
2557.00	2557.00	315591	368516	384154	4040968	339661	4943868	900657	6556595	3491301	12198635
2562.00	2562.00	0	51094	51674	885474	36109	1291435	243053	4933291	562824	4145084
2566.00	2566.00	62058	77382	64058	841592	65378	1090588	155811	3353047	394043	3327697
2573.00	2573.00	243118	196076	266181	5585911	249327	7435612	2007505	85057470	3335034	30707310
2582.00	2582.00	0	0	0	1223383	0	2134433	0	9749337	807009	6537877
2798.00	2798.00	0	0	0	3105891	0	14878462	0	1078387	0	32782344
2998.00	2998.00	81000	109777	69135	3376046	162666	12806758	1000613	16039610	1870293	35614350
3002.00	3002.00	88611	142159	189333	4813740	236380	19099234	1105813	7266103	1506429	48421170
3004.00	3004.00	228427	277073	276843	2333802	222195	3365439	168822	3091886	501992	9338598
3900.00	3900.00	0	22058	12107	149673	0	98632	0	78440	59400	297445
4057.00	4057.00	3659808	4276133	3407532	70188546	5097231	4461212	8183274	0	13075087	3260580
4099.85	4099.85	0	0	0	1378085	124692	778183	176665	0	0	1390181
4102.70	4102.70	17036	18086	16468	148641	0	107281	0	27206	21862	235903

Table 14. GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	29Ts	30d	29(b)(a)	30O	30(a)(b)	30(b)(a)	31(a)(b)S	31(a)(b)R	30G	32(a)(b)S
2400.00	2400.00	3148433	757437	145366	1357005	14015529	3298963	4745179	4610259	1075801	2313718
2430.00	2430.00	17907509	1627769	922507	6952033	118240963	16710556	21588782	30590787	3068216	6187759
2477.20	2477.20	29157381	5120227	2676774	8676866	798511332	55286169	37196866	45876487	5396720	12834898
2550.00	2550.00	12319676	1353913	1335085	11561170	45100631	7714828	10424329	13032157	1705572	3089858
2557.00	2557.00	4763407	1084223	440296	2190686	15239850	2931975	4993802	4074411	1183418	2584728
2562.00	2562.00	1623216	229031	262022	595861	4732804	865690	1670354	1629018	366498	771574
2566.00	2566.00	1220254	161245	170689	393803	3816854	641467	1265818	1286144	293200	585661
2573.00	2573.00	11042032	1615666	2661137	3572228	39521167	6929447	15602108	14234304	3321932	6400527
2582.00	2582.00	2671650	284743	450381	1182611	7849298	1508469	2208566	2521716	599295	946756
2798.00	2798.00	8349775	1627520	170051	1266082	50227020	12741334	26888234	18605931	4310355	8647159
2998.00	2998.00	9983366	1816130	562337	3784960	65012394	12193008	33038475	21965694	4535374	15274233
3002.00	3002.00	12502730	3069642	262312	2536600	84346587	16943244	46788819	30178935	6079169	23144325
3004.00	3004.00	2592043	1090647	380615	421906	14891443	2025998	8525642	5876636	1634965	6246506
3900.00	3900.00	139572	86307	0	0	442231	61396	186586	165373	34436	111435
4057.00	4057.00	11411016	39320136	0	4667310	5465357	5811468	1087607	1047316	3178563	698266
4099.85	4099.85	406000	733763	0	0	2949922	550565	687326	571647	205314	354007
4102.70	4102.70	102185	200480	0	28743	294343	68752	116425	89745	25346	80882

Table 14. GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	32(a)(b)R	33(a)(b)S	33(a)(b)R	34(a)(b)S	34(a)(b)R	35(a)(b)S	35(a)(b)R	25nor28(a)(b)	25nor30(a)(b)	5(a)(H)-pregnane (U)
2400.00	2400.00	2097730	1381990	968247	690922	463864	435559	309092	1375690	1129111	453338
2430.00	2430.00	10681872	4075057	6359427	2256893	3397526	1866654	3293972	29203153	38870418	1345220
2477.20	2477.20	19808659	9967303	13077956	6586058	9124337	3314966	4887171	38534940	25912891	2937807
2550.00	2550.00	4519273	2009616	2337617	1165437	1413685	786758	1005586	63378587	6867013	762466
2557.00	2557.00	2321076	1678558	1363266	956445	801179	675361	545304	4193346	1738419	649369
2562.00	2562.00	880473	609323	634312	357415	393148	271131	257090	4272710	974982	371684
2566.00	2566.00	646043	426660	459569	279194	275701	196671	195536	2213364	244176	276090
2573.00	2573.00	7348924	4575992	4702238	2791527	2966354	2249369	2314291	13496125	1403416	1386151
2582.00	2582.00	1410310	832441	1211489	666076	828792	564398	719245	5986505	818987	614869
2798.00	2798.00	6792844	5718354	4454224	3607438	2813170	2072032	1604876	805951	314374	1032465
2998.00	2998.00	10392064	10397529	6464836	6336008	3778547	3280805	2080997	21045079	992945	1072800
3002.00	3002.00	15527838	18812717	12293174	10251415	6467895	6418055	4134852	13460462	878079	1234305
3004.00	3004.00	4440964	5366918	3582249	3010959	1912835	2586932	1762744	2326324	199839	334321
3900.00	3900.00	90244	77478	28933	0	0	0	17965	18994	0	23183
4057.00	4057.00	386127	522837	258156	409782	111181	0	0	2751126	6409321	9544613
4099.85	4099.85	271740	218352	141656	104064	69664	83436	0	0	0	177061
4102.70	4102.70	48848	52749	27802	26557	13285	20449	16161	0	0	201852

Table 14. GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	-bisnorchol	27d(b)S	27d(b)R	27d(a)R	27d(a)S	28d(b)S#1	28d(b)S#2	28d(b)R#1	28d(b)R#2	28d(a)R	27(a)(a)S	27(b)(b)R/29d(b)S
2400.00	2400.00	232619	939725	628094	227423	264430	501300	481231	276169	352147	167903	658367	886974
2430.00	2430.00	648924	2044649	1904664	786579	665651	1303924	1300638	1046178	1466744	812585	7458660	2228185
2477.20	2477.20	998217	2370028	2222133	739969	680399	1357230	1337248	943753	1475971	6966058	4052824	1996219
2550.00	2550.00	319112	1576025	1390964	555244	529384	987600	928633	726137	1107807	502200	1822377	2203873
2557.00	2557.00	314594	1611114	1105112	404552	490517	992026	945357	603720	794306	369734	955758	1359935
2562.00	2562.00	145143	711022	541271	173212	163996	454164	448787	308219	460122	182368	368942	452210
2566.00	2566.00	123446	490642	364225	128894	131174	331896	298194	198346	284659	139218	303973	369782
2573.00	2573.00	596472	4493856	4043890	906986	2202586	3425976	3483285	2519728	3707616	1742481	3773456	4823380
2582.00	2582.00	203541	430262	346484	147974	115824	358307	328427	252447	338784	163521	305783	325726
2798.00	2798.00	294609	5291618	3920563	1222900	1624979	5305798	5275943	3299703	4794798	2141329	2025700	5077682
2998.00	2998.00	453200	4888707	3509833	1429917	1615071	4764154	4621614	2890777	4003856	1963784	5009645	6342080
3002.00	3002.00	553846	7368244	5312045	1905960	2381301	6583969	6257338	3796090	5382204	2574331	3256487	7637909
3004.00	3004.00	211736	1562651	1158129	344291	418388	816831	790147	457624	702022	281836	1419131	1618319
3900.00	3900.00	19100	40248	25634	0	9082	26999	25097	19791	19485	0	22378	37783
4057.00	4057.00	5767716	24752324	16398894	5209562	6592484	12961105	11483810	8369554	10342554	4230401	2121480	14851523
4099.85	4099.85	126114	292129	212208	67738	109708	174279	127443	83157	94141	53019	132370	237026
4102.70	4102.70	113962	60133	38899	14485	14881	28077	30853	13776	24204	12077	33368	43195

Table 14 GC-MS SIR Peak heights Saga lab

Upper depth	Lower Depth	27(b)(b)S/28d(a)S	27(a)(a)R	29d(b)R	d(a)R/30d(b)	(a)(a)S/29d(28(b)(b)R	28(b)(b)S	28(a)(a)R	29(a)(a)S
2400 00	2400 00	599809	918708	434672	297199	334157	469234	290695	440017	353246
2430 00	2430 00	1168354	23245456	1908843	2370522	1954303	4849117	1351154	17437705	2132153
2477 20	2477 20	952231	17443168	1746373	1537732	1501239	2559849	1471647	10111682	1382493
2550 00	2550 00	825546	7644783	1835479	2181626	1225183	1434445	667915	4821569	1267274
2557 00	2557 00	891741	1508677	703021	497529	590942	722621	420732	997912	544492
2562 00	2562 00	265224	778122	271970	210335	216979	230850	109010	547602	180937
2566 00	2566 00	240900	569599	193008	141585	174243	202383	106521	388745	139614
2573 00	2573 00	2409970	10789176	3515727	2157282	2728056	2677543	1340288	7211412	2195203
2582 00	2582 00	156746	994217	234233	224562	222380	246430	99177	874774	215773
2798 00	2798 00	2514348	2904150	3289742	2321878	2631450	2162502	1250517	2396735	1621304
2998 00	2998 00	3401444	5229255	3353383	2247213	3704407	2990914	1947536	3435560	3008982
3002 00	3002 00	3432300	3366771	4279374	2947727	3769940	2599474	1641551	2360513	2953067
3004 00	3004 00	1134463	1455980	734027	633435	845438	1155007	701983	1054604	1338891
3900 00	3900 00	23139	26580	23077	10538	21483	18328	8140	10499	15183
4057 00	4057 00	4852666	2286412	7837047	6551564	4381573	1765754	922407	0	781438
4099 85	4099 85	117132	101689	105742	79498	69077	85436	47590	52813	56928
4102 70	4102 70	27971	37879	20207	29717	15372	23319	11654	17893	15724

Table 14 GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	29(b)(b)R	29(b)(b)S	29(a)(a)R	30(a)(a)S	30(b)(b)R	30(b)(b)S	30(a)(a)R	27(b)(b)R	27(b)(b)S
2400 00	2400 00	703910	497766	891010	124270	174703	155500	132943	1051778	843251
2430 00	2430 00	8687377	1603376	37933492	1870928	0	1952128	6394883	2403559	1428479
2477 20	2477 20	5193684	1113521	22719269	1109804	1040820	1189196	3879104	1680752	1110136
2550 00	2550 00	2886886	1102857	15049053	913765	531167	638656	2369201	1279160	823071
2557 00	2557 00	961852	636974	1553365	186614	255870	244054	344339	1433128	1168106
2562 00	2562 00	258533	138669	827086	71444	62558	84430	163921	356912	260727
2566 00	2566 00	235298	145938	607136	51507	46469	49523	123168	394905	310823
2573 00	2573 00	3353261	1627802	11884534	815863	705372	1032448	2481594	3179519	2289787
2582 00	2582 00	321122	116698	1899477	125697	111395	133456	596841	194874	140002
2798 00	2798 00	2134453	1120505	4379476	447650	434459	432774	901417	2311644	1663307
2998 00	2998 00	2811680	1860038	4486189	654740	555283	594997	744917	4813120	3550349
3002 00	3002 00	3002460	1916017	4616532	687748	948100	630873	802553	3851782	2638849
3004 00	3004 00	1556050	1195742	1966851	461386	429317	738192	623633	2116531	1775706
3900 00	3900 00	28861	21698	30009	0	0	0	0	44276	33447
4057 00	4057 00	2207260	1340539	345558	403261	405536	1052218	0	5029979	2810950
4099 85	4099 85	72340	44713	76011	0	0	0	0	192768	134147
4102 70	4102 70	25602	21514	27814	0	0	0	0	51244	38715

Table 14 GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	28(b)(b)R	28(b)(b)S	29(b)(b)R	29(b)(b)S	30(b)(b)R	30(b)(b)S	Monoaromatic steroid, A1
2400 00	2400 00	726827	545449	1207925	971214	184235	144398	254350
2430 00	2430 00	4239411	2072247	5987564	2900581	0	1029162	1279668
2477 20	2477 20	2469735	1662239	3513520	1942220	649099	622858	4378957
2550 00	2550 00	1669063	1026678	2950935	1764541	458286	357889	875191
2557 00	2557 00	1078438	764818	1544255	1221803	246181	212605	366105
2562 00	2562 00	307211	207027	363292	250447	53651	61687	243366
2566 00	2566 00	272972	190802	389999	266966	47259	42396	145772
2573 00	2573 00	3320489	2114110	4427701	3100305	549002	640894	906083
2582 00	2582 00	253823	148130	331056	199267	67797	65180	967358
2798 00	2798 00	3040379	2112515	3030410	2192679	323688	276850	1809097
2998 00	2998 00	4738217	3486592	4304803	3506112	451700	403307	874261
3002 00	3002 00	3761682	2634442	4472248	3570521	549069	415865	953449
3004 00	3004 00	1849447	1369026	2753879	2305204	632380	770360	147410
3900 00	3900 00	32053	27541	55521	41574	0	0	5086
4057 00	4057 00	2220149	1841622	2965850	2185277	559580	689527	4775880
4099 85	4099 85	138292	89551	127898	105475	0	0	32003
4102 70	4102 70	33678	25472	46245	37352	7284	7744	15934

Table 14 GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	Monoaromatic steroid, B1	Monoaromatic steroid, C1#1	Monoaromatic steroid, C1#2	Monoaromatic steroid, D1	Monoaromatic steroid, E1
2400 00	2400 00	130126	201351	299480	396081	676337
2430 00	2430 00	1521167	5528187	1343571	6805555	15355457
2477 20	2477 20	2136190	1804906	1383348	2639716	5524590
2550 00	2550 00	444891	1440705	720622	2069070	3670883
2557 00	2557 00	176594	242148	341831	484234	1056045
2562 00	2562 00	123653	203645	259860	377736	1101365
2566 00	2566 00	77869	112866	139789	225948	529322
2573 00	2573 00	465618	1034086	687246	1504348	3822416
2582 00	2582 00	440666	520951	342558	703880	1744144
2798 00	2798 00	902027	811877	3639441	3862663	20862792
2998 00	2998 00	417054	609599	2048418	2320053	7107285
3002 00	3002 00	489551	503344	2587320	2638808	9395661
3004 00	3004 00	70272	92749	305325	333426	1074365
3900 00	3900 00	4114	4428	7789	6539	12697
4057 00	4057 00	1913032	0	856691	746959	1150976
4099 85	4099 85	12636	17041	14765	17573	28419
4102 70	4102 70	7597	1801	3481	2971	6625

Table 14. GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	Monoaromatic steroid, F1	Monoaromatic steroid, G1	Monoaromatic steroid, H1	Monoaromatic steroid, I1
2400.00	2400.00	220076	1162149	318343	99821
2430.00	2430.00	921943	26288960	6606875	5318392
2477.20	2477.20	803885	9533976	1717132	1922107
2550.00	2550.00	469955	7458654	2084718	1603610
2557.00	2557.00	232133	1739147	344019	145875
2562.00	2562.00	186165	1350369	216253	96579
2566.00	2566.00	97840	771645	121998	57228
2573.00	2573.00	528018	6473963	1167448	604853
2582.00	2582.00	265021	2939591	439562	255697
2798.00	2798.00	3902892	15122038	2747889	426343
2998.00	2998.00	1574854	6129142	1475065	267719
3002.00	3002.00	2211557	7231402	1918016	262167
3004.00	3004.00	199763	985792	269529	50680
3900.00	3900.00	3556	21183	6282	0
4057.00	4057.00	1206205	932659	255963	175801
4099.85	4099.85	9938	65404	12952	7551
4102.70	4102.70	2524	5853	2877	0

Table 14 GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	Triaromatic steroid, a1	Triaromatic steroid, b1	Triaromatic steroid, c1	Triaromatic steroid, d1	Triaromatic steroid, e1
2400 00	2400 00	299365	226631	466570	1134728	572745
2430 00	2430 00	1459111	898090	1428341	3162504	1545041
2477 20	2477 20	1080186	704501	704940	1328991	583492
2550 00	2550 00	530537	362651	612010	1396280	617814
2557 00	2557 00	190658	144642	235210	580381	261944
2562 00	2562 00	75198	46984	82670	239213	73836
2566 00	2566 00	52767	31414	51260	154053	55672
2573 00	2573 00	682453	463914	696383	2154450	646947
2582 00	2582 00	383297	199875	218826	655061	188954
2798 00	2798 00	2050468	1187762	4497633	17170447	3863100
2998 00	2998 00	2889579	1620417	7143789	18055609	5167727
3002 00	3002 00	2913912	1662657	8692075	21929031	6646980
3004 00	3004 00	482287	313854	922846	2308160	757403
3900 00	3900 00	111311	61650	15138	26325	17982
4057 00	4057 00	15126906	7864862	339458	373508	664417
4099 85	4099 85	113635	75451	24166	90127	54945
4102 70	4102 70	146224	240774	0	32	0

Table 14 GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	Triaromatic steroid, f1	Triaromatic steroid, g1	2-MN	1-MN	2-EN
2400 00	2400 00	581027	596425	93605953	49382831	12004381
2430 00	2430 00	1831174	1951961	2102970994	1108770416	268002731
2477 20	2477 20	673273	751270	2530802537	1307622645	311843280
2550 00	2550 00	797637	782034	999333695	515395660	101939668
2557 00	2557 00	303182	299697	161090280	92345790	24741352
2562 00	2562 00	129478	77264	64911598	40223421	10903376
2566 00	2566 00	81379	55562	26932463	16780954	5178467
2573 00	2573 00	1366792	743181	965773633	701673656	152196572
2582 00	2582 00	382963	248964	610378591	323527848	61728621
2798 00	2798 00	10188293	4319900	619575884	383076362	72375136
2998 00	2998 00	10845929	5905636	906220522	573292116	128038691
3002 00	3002 00	12911698	7265403	880556825	550232561	114112919
3004 00	3004 00	1373733	768611	120457376	75413081	17002643
3900 00	3900 00	15863	18655	47731584	30631663	2762723
4057 00	4057 00	490748	0	1853019628	960322029	194330553
4099 85	4099 85	46562	51275	265105	137095	21609
4102 70	4102 70	0	0	464208854	167957110	18316915

Table 14 GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	1-EN	2,6-DMN?	2,7-DMN?	1,3-/1,7-DMN	1,6-DMN	1,4/2,3-DMN	1,5-DMN	1,2-DMN
2400 00	2400 00	5628095	18121224	20077590	29057882	26795843	16719453	6336216	7209900
2430 00	2430 00	117692177	416268999	487174617	671849083	610453217	373149798	129478330	150182832
2477 20	2477 20	127876739	571713620	616800294	790062348	817548182	471060872	161657247	189074084
2550 00	2550 00	44794905	163233936	180991832	255814636	242372039	149804711	51251227	59498550
2557 00	2557 00	11431706	45975016	50505877	73370832	69501814	40263771	15108244	16611523
2562 00	2562 00	5485912	19566327	22155320	34536944	31921814	18335435	7556805	7969222
2566 00	2566 00	2612618	9699782	11267900	17665436	16303941	9265721	4009539	4094428
2573 00	2573 00	65832550	266873582	302662494	411419048	405252286	239151854	84149775	100243818
2582 00	2582 00	27331382	103528794	117126578	162798368	157812164	96030954	33638537	39757841
2798 00	2798 00	30521800	56067385	66486990	132410807	135748393	105302824	38586139	48673550
2998 00	2998 00	54340024	101201699	120661310	210175427	237041899	164036608	64634053	91624465
3002 00	3002 00	47397576	87602475	106385278	184100525	203953660	142993714	56189475	76033868
3004 00	3004 00	7536261	13828722	17164534	29876323	32808291	21564923	9377044	11782800
3900 00	3900 00	1339555	9152775	10733673	15770938	15893864	7605140	3850936	3550122
4057 00	4057 00	60141515	1489996097	1537214025	1660502972	1286499580	588040981	239134901	123373978
4099 85	4099 85	0	195312	158281	214674	230148	103187	55575	31324
4102 70	4102 70	4099524	129792381	132642934	117894821	114256782	54073222	16430403	9665242

Table 14 . GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	1,8-DMN	1,3,7-TMN	1,3,6-TMN	3,5-/1,4,6-TM	2,3,6-TMN	P	3-MP	2-MP
2400.00	2400.00	1466459	7105644	9510096	6408165	5249770	8275560	3113744	3790471
2430.00	2430.00	9114395	181804033	233822474	141107494	134586434	157701251	53079199	61315946
2477.20	2477.20	6523917	262250954	348345492	194669748	221801006	274143517	69696286	89080645
2550.00	2550.00	3736270	60950079	78745497	43047172	45108101	95834930	22616838	26920704
2557.00	2557.00	403226	20887770	26669569	15241424	16602233	25431353	6510727	8042967
2562.00	2562.00	206095	11047122	13487063	8076828	8117346	13138431	2503585	2850121
2566.00	2566.00	102558	6690591	8056988	4905404	5019498	7195039	2014162	2323137
2573.00	2573.00	2286661	103525984	138638636	75697034	85445972	180206199	40805441	51019816
2582.00	2582.00	1027111	45219483	60533763	35616126	36950541	87808962	17314349	22430012
2798.00	2798.00	2474996	23130923	34737628	31063574	23410788	248991418	43634614	49539310
2998.00	2998.00	2418586	32609277	57151863	36913856	34437706	286235750	66615245	80536330
3002.00	3002.00	2048269	27996338	47719107	31811131	29186575	233008292	55362492	66513842
3004.00	3004.00	348622	4950215	7718329	5388931	4869900	39610042	8265067	9212554
3900.00	3900.00	13902	3102786	4144002	2565002	3295109	21474412	8532490	10140405
4057.00	4057.00	480886	925448798	1029295338	576862065	831367119	983366130	8.43E+08	9.86E+08
4099.85	4099.85	0	179373	248050	140828	239374	32716373	7028620	9162973
4102.70	4102.70	13616	33663261	40904345	16817335	40834736	241515796	1.33E+08	1.71E+08

Table 14 . GC-MS SIR Peak heights, Saga lab

Upper depth	Lower Depth	9-MP	1-MP	DBT	4-MDBT	3-/2-MDB	1-MDBT
2400.00	2400.00	4317705	3888510	368440	462620	128003	129249
2430.00	2430.00	70514299	42605758	6504173	4470199	2410593	2245627
2477.20	2477.20	126422530	74824755	10566462	7141640	3078782	2794664
2550.00	2550.00	40142261	22942449	2775187	1643085	619396	621892
2557.00	2557.00	14955618	9030031	1021659	787133	306314	332314
2562.00	2562.00	6233978	3379657	544253	310725	114253	129692
2566.00	2566.00	4720644	2625056	289953	237266	91820	93326
2573.00	2573.00	94983074	52786646	7191941	4680233	1962669	1884656
2582.00	2582.00	41776884	24365545	3278589	1956430	830322	814958
2798.00	2798.00	119406715	64156139	7863424	4067088	1994197	2280100
2998.00	2998.00	157895019	107983908	16692504	8444105	4524332	4294252
3002.00	3002.00	130048623	86592883	12796425	7003054	3571497	3395589
3004.00	3004.00	18201378	12704907	2034270	1196836	595683	522573
3900.00	3900.00	11728224	9433970	1092021	1349415	360604	166785
4057.00	4057.00	840702920	710792660	39157386	96296408	31408646	7822693
4099.85	4099.85	6443016	6190832	640779	472189	237658	107200
4102.70	4102.70	116896192	104107009	6569836	11201193	3333227	682327

Table 15. Biomarker ratios, well 6704/12-1, Saga lab

name Well	nality Natio-	name Sample	Upper Depth(m)	Lower Depth(m)	type Sample	logy Litho-	C32(a)(b)S/(C32(a)(b)S+R) Ratios (height) based on m/z 191:	27Ts/(27Ts+27Tm)	30d/29(b)(a)
6704/12-1	NOR	144886	2400.00	2400.00	cut	sst/clst	0.524	0.433	5.211
6704/12-1	NOR	145398	2477.20	2477.20	swc	clst	0.393	0.345	1.913
6704/12-1	NOR	145396	2430	2430	swc	sst/clst	0.367	0.311	1.765
6704/12-1	NOR	144891	2550	2550	cut	clst	0.406	0.399	1.014
6704/12-1	NOR	145496	2557	2557	coch	sst	0.527	0.45	2.462
6704/12-1	NOR	145501	2562	2562	coch	sst	0.467	0.407	0.874
6704/12-1	NOR	145505	2566	2566	coch	sst	0.475	0.436	0.945
6704/12-1	NOR	145512	2573	2573	coch	sst	0.466	0.429	0.607
6704/12-1	NOR	145399	2582	2582	swc	sst	0.402	0.364	0.632
6704/12-1	NOR	145403	2798	2798	swc	clst	0.56	0.173	9.571
6704/12-1	NOR	145516	2998	2998	coch	clst	0.595	0.209	3.23
6704/12-1	NOR	145520	3002	3002	coch	clst	0.598	0.201	11.702
6704/12-1	NOR	145522	3004	3004	coch	sst	0.584	0.409	2.865
6704/12-1	NOR	145549	3900	3900	cut	sst	0.553	0.603	-
6704/12-1	NOR	145720	4099.85	4099.85	fluid inclusion	sst	0.566	0.639	-
6704/12-1	NOR	145556	4057	4057	SWC	sst	0.644	0.94	-
6704/12-1	NOR	145662	4102.70	4102.70	coch	sh	0.623	0.581	-

Table 15. Biomarker ratios, well 6704/12-1, Saga lab

Upper Depth(m)	Lower Depth(m)	29Ts/29(a)(b)	8(a)(b)/30(a)(b)	a)(b)/30(a)	(23/3)/30(a)(b)	(24/4)/30(a)(b)	(35(a)(b)S+R)/30(a)(b)
2400.00	2400.00	0.343	0.111	0.655	0.085	0.077	0.053
2477.20	2477.20	0.432	0.181	0.084	0.002	0.005	0.01
2430	2430	0.354	1.666	0.427	0.006	0.022	0.044
2550	2550	0.566	2.145	0.483	0.009	0.036	0.04
2557	2557	0.39	0.43	0.8	0.055	0.105	0.08
2562	2562	0.392	1.042	0.876	0.075	0.145	0.112
2566	2566	0.367	0.878	0.872	0.101	0.151	0.103
2573	2573	0.36	2.152	0.777	0.029	0.067	0.115
2582	2582	0.409	1.242	0.833	0.039	0.098	0.164
2798	2798	0.255	0.021	0.653	0.006	0.035	0.073
2998	2998	0.28	0.247	0.548	0.007	0.032	0.082
3002	3002	0.258	0.086	0.574	0.006	0.035	0.125
3004	3004	0.278	0.208	0.627	0.044	0.068	0.292
3900	3900	0.469	0.177	0.673	0.091	0.157	0.041
4099.85	4099.85	0.292	-	0.471	0.164	0.098	0.028
4057	4057	3.5	-	0.597	2.69	1.254	0
4102.70	4102.70	0.433	0.092	0.801	3.041	0.552	0.124

Table 15. Biomarker ratios, well 6704/12-1, Saga lab

Upper Depth(m)	Lower Depth(m)	29(a)(a)S/(29(a)(a)S+R) Ratios (height) based on m/z 217:	29(b)(b)/(29(b)(b) + 29(a)(a))	(27d(b))/(27(a)(a))	%C27 % (height) based on m/z 218:	%C28	%C29
2400.00	2400.00	0.284	0.491	0.994	35.4	23.8	40.8
2477.20	2477.20	0.057	0.207	0.214	22.5	33.4	44.1
2430	2430	0.053	0.204	0.129	20.1	33.2	46.7
2550	2550	0.078	0.196	0.313	22.1	28.3	49.6
2557	2557	0.26	0.433	1.102	36.1	25.6	38.4
2562	2562	0.179	0.283	1.092	35.4	29.5	35.2
2566	2566	0.187	0.338	0.979	38.6	25.4	36
2573	2573	0.156	0.261	0.586	29.7	29.5	40.8
2582	2582	0.102	0.171	0.597	26.4	31.7	41.9
2798	2798	0.27	0.352	1.869	27.7	35.9	36.4
2998	2998	0.401	0.384	0.82	34.3	33.7	32
3002	3002	0.39	0.394	1.915	31	30.6	38.4
3004	3004	0.405	0.454	0.946	32	26.4	41.6
3900	3900	0.336	0.528	1.346	33.2	25.4	41.4
4099.85	4099.85	0.428	0.468	2.155	41.5	28.9	29.6
4057	4057	0.693	0.759	9.336	46	23.8	30.2
4102.70	4102.70	0.361	0.52	1.39	38.7	25.4	35.9

Table 15. Biomarker ratios, well 6704/12-1, Saga lab

Upper Depth(m)	Lower Depth(m)	%29(b)(b) % (height) based on m/z 217 & 218:
2400.00	2400.00	63.7
2477.20	2477.20	18.5
2430	2430	18.2
2550	2550	22.4
2557	2557	56.9
2562	2562	37.8
2566	2566	46.8
2573	2573	34.8
2582	2582	20
2798	2798	46.5
2998	2998	51
3002	3002	51.5
3004	3004	60.5
3900	3900	68.2
4099.85	4099.85	63.7
4057	4057	82
4102.70	4102.70	65.8

Table 15. Biomarker ratios, well 6704/12-1, Saga lab

Upper Depth(m)	Lower Depth(m)	$1.5 \cdot (2\text{-}3\text{-MP}) / (P+1\text{-}9\text{-MP})$ Ratios (height) based on m/z 178 & 192:	$(2\text{-}3\text{-MP}) / (1\text{-}2\text{-}3\text{-}9\text{-MP})$	Aromatization Ratios (height) based on m/z 231 & 253:	Cracking
2400.00	2400.00	0.628	0.457	0.508	0.136
2477.20	2477.20	0.501	0.441	0.155	0.306
2430	2430	0.634	0.503	0.147	0.192
2550	2550	0.468	0.44	0.197	0.175
2557	2557	0.442	0.378	0.282	0.166
2562	2562	0.353	0.358	0.148	0.169
2566	2566	0.447	0.371	0.175	0.175
2573	2573	0.42	0.383	0.282	0.17
2582	2582	0.387	0.375	0.209	0.256
2798	2798	0.323	0.337	0.444	0.075
2998	2998	0.4	0.356	0.693	0.087
3002	3002	0.407	0.36	0.688	0.074
3004	3004	0.372	0.361	0.662	0.115
3900	3900	0.657	0.469	0.788	0.648
4099.85	4099.85	0.536	0.562	0.676	0.415
4057	4057	1.082	0.541	0.674	0.925
4102.70	4102.70	0.985	0.579	0.886	1

Table 16. GC-MS MRM analysis: m/z 358.36 - 217.1956 transition, C₂₆ 24/27 diacholestane ratios , well 6704/12-1, Saga lab

Well	Sample ID	Upper depth (m)	lower depth (sampletype	Lithology	C26-24/27 diacholestane ratio
6704/12-1	144886	2400	2400	cut	sandy siltstone	0.48
6704/12-1	144891	2550	2550	cut	claystone	0.77
6704/12-1	145496	2557	2557	coch	sandstone	0.46
6704/12-1	145501	2562	2562	coch	sandstone	0.57?
6704/12-1	145512	2573	2573	coch	sandstone	0.62?
6704/12-1	145516	2998	2998	coch	claystone	0.68
6704/12-1	145520	3002	3002	coch	claystone	0.67
6704/12-1	145556	4057	4057	swc	sandstone	0.52
6704/12-1	145720	4099.85	4099.85	fluid incl.	sandstone	0.44
6704/12-1	145662	4102.7	4102.7	coch	shale	0.37?