APPENDICES

List of Reports

REPORTS	TERM	EXPANSION
1	Control_27 June	GC analysis for Control
2	Hexane	GC analysis of Hexane
3	Pet ether	GC analysis of Petroleum Ether
4	Supelco 37	GC analysis of Supelco 37 component FAME mixture
5	Po_invivo shoot_90 min	GC analysis of in vivo shoots of *P.oleracea*
6	Po_leaf_90_6	GC analysis of leaf of *P.oleracea*
7	Stem	GC analysis of stem of *P.oleracea*
8	Po_invitroplant_90_3	GC analysis of in vitro shoot of *P.oleracea*
9	Po_callus_3_90min	GC analysis of callus cultures of *P.oleracea*
10	INVIVO-3	GCMS analysis of invivo shoots of *P.oleracea*
11	LEAF-2	GCMS analysis of leaves of *P.oleracea*
12	STEAM (STEM)	GCMS analysis of stem of *P.oleracea*
13	IV	GCMS analysis of invitro shoots of *P.oleracea*
14	C3	GCMS analysis of callus cultures of *P.oleracea*
15	0.1%EMS1_28June	GC analysis of 0.1% EMS treated shoots of *P.oleracea*
16	0.2%EMSshoot_1july	GC analysis of 0.2% EMS treated shoots of *P.oleracea*
17	0.3%EMSinvitro plant_29June	GC analysis of 0.3% EMS treated shoots of *P.oleracea*
18	0.4% EMS1_27 June	GC analysis of 0.4% EMS treated shoots of *P.oleracea*
19	0.6%EMSshoot_1july	GC analysis of 0.6% EMS treated shoots of *P.oleracea*
21	0.1%EMS callus_30June	GC analysis of 0.1% EMS treated callus of *P.oleracea*
22	0.2%EMScallus_1 July	GC analysis of 0.2% EMS treated callus*P.oleracea*
23	0.3%EMScallus2_2July	GC analysis of 0.3% EMS

		treated callus*P.oleracea*
24	0.1%EMS shoot	GCMS analysis of 0.1%EMS treated shoots of *P.oleracea*
25	0.2% EMS shoot	GCMS analysis of 0.2%EMS treated shoots of *P.oleracea*
25	0.3% EMS shoot	GCMS analysis of 0.3%EMS treated shoots of *P.oleracea*
27	0.4% EMS shoot	GCMS analysis of 0.4%EMS treated shoots of *P.oleracea*
28	0.6%EMS shoot	GCMS analysis of 0.6%EMS treated shoots of *P.oleracea*
29	0.1%EMS callus	GCMS analysis 0.1%EMS treated callus of *P.oleracea*
30	0.2%EMS callus	GCMS analysis 0.2%EMS treated callus of *P.oleracea*
31	0.3%EMS callus	GCMS analysis 0.3%EMS treated callus of *P.oleracea*
32	Linoleic Acid	Mass spectra of Linoleic acid of *P.oleracea*
33	Linolenic Acid	Mass spectra of Linolenic acid of *P.oleracea*

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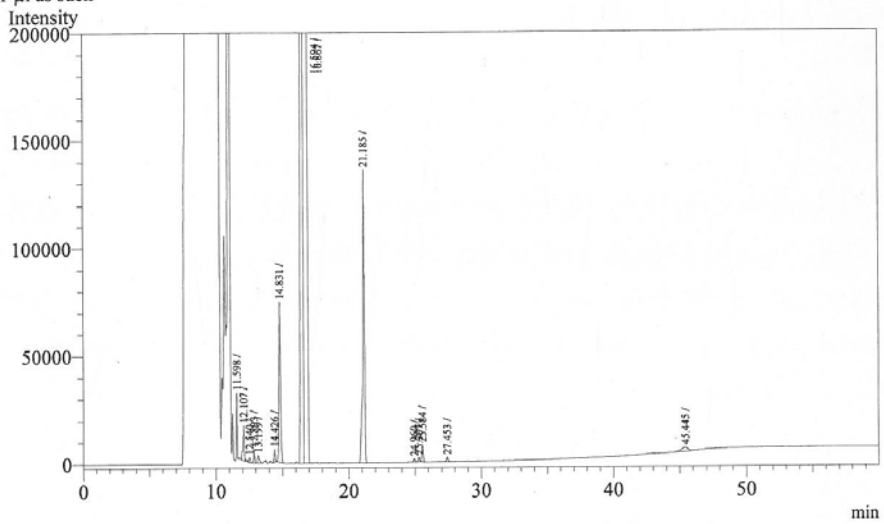
Analysis Date & Time : 8/23/2014 2:14:51 PM
User Name : Admin
Vial# : 1
Sample Name : Hexanes
Sample ID : 23-8-14
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\hexane.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm
[Description]
1 µl as such



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	11.598	125016	0.3786	0.000	1.023	166660.588
2	12.107	113851	0.3448	3.698	0.707	88939.843
3	12.540	12060	0.0365	2.930	1.112	139299.984
4	12.893	35334	0.1070	2.604	0.810	141461.323
5	13.199	31482	0.0954	1.826	1.604	70561.052
6	14.426	34336	0.1040	7.123	0.841	154620.439
7	14.831	629468	1.9065	2.218	1.010	73074.871
8	16.594	5162792	15.6365	0.000	0.000	0.000
9	16.867	25485240	77.1868	0.000	0.000	53573.875
10	21.185	1226156	3.7136	17.728	0.688	184945.156
11	24.960	12745	0.0386	19.297	0.819	261585.923
12	25.307	14316	0.0434	1.843	0.778	309030.272
13	25.584	58746	0.1779	1.473	0.894	274270.164
14	27.453	16989	0.0515	9.485	0.931	302498.450
15	45.445	59070	0.1789	34.365	0.782	45707.713
Total		33017601	100.0000			

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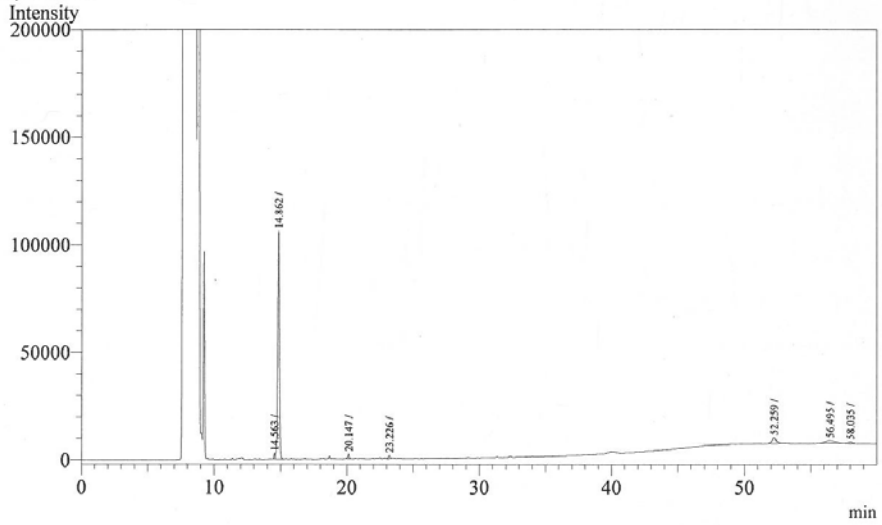
Analysis Date & Time : 8/23/2014 12:50:39 PM
User Name : Admin
Vial# : 1
Sample Name : Pet.Ether
Sample ID : 23-8-14
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\petether.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm
[Description]
1 µl as such



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	14.563	15801	1.3798	0.000	0.000	0.000
2	14.862	967751	84.5024	0.000	0.984	65581.065
3	20.147	19544	1.7066	25.495	0.754	192737.827
4	23.226	13154	1.1486	14.745	0.911	156100.306
5	52.259	53974	4.7129	78.098	1.147	167773.662
6	56.495	60925	5.3198	4.298	0.998	23753.680
7	58.035	14086	1.2299	1.461	0.972	128732.206
Total		1145235	100.0000			

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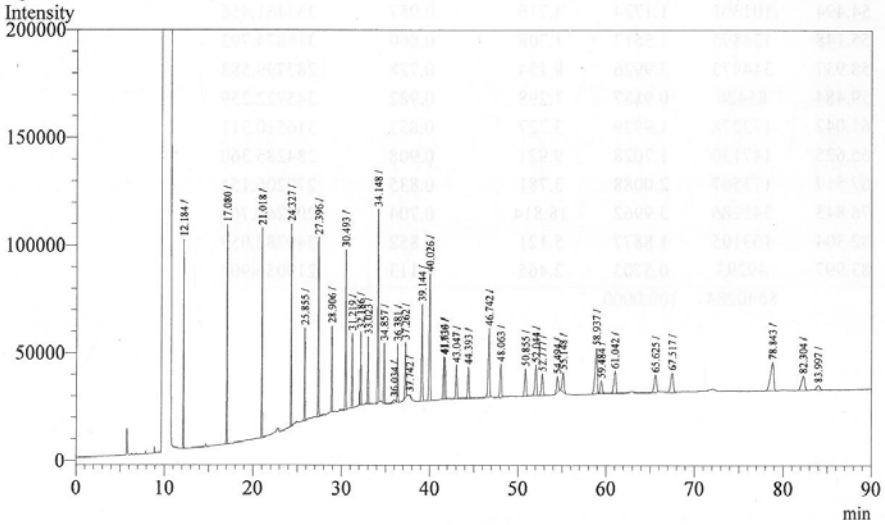
Analysis Date & Time : 4/11/2015 2:46:50 PM
User Name : Admin
Vial# : 1
Sample Name : supelco 37 component FAME mix
Sample ID : Fatty acid mixture in DCM
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\standard 001.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\method3.gcm
[Description]
Part Number: CRM47885, Lot Number : LC00556
, Injection Vol : 1 microlitre



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	12.184	338646	3.9194	0.000	0.989	275550.672
2	17.080	383543	4.4390	50.832	0.970	464032.085
3	21.018	390445	4.5189	38.194	0.980	623840.998
4	24.327	390840	4.5235	30.644	0.979	781181.525
5	25.855	192793	2.2313	13.400	0.999	759434.112
6	27.396	391752	4.5340	12.730	0.970	780628.884
7	28.906	192665	2.2298	12.002	0.993	813494.565
8	30.493	396298	4.5866	11.924	0.961	772992.022
9	31.219	186373	2.1570	5.183	0.985	773160.263
10	32.186	183801	2.1273	6.767	0.992	791545.389
11	33.023	179042	2.0722	5.625	0.980	739807.680
12	34.148	568306	6.5774	7.035	0.887	667642.503
13	34.857	175001	2.0254	4.266	0.971	703269.674
14	36.034	21269	0.2462	3.897	0.702	107744.640
15	36.381	181457	2.1001	1.129	0.937	665525.916
16	37.262	189464	2.1928	4.765	0.970	600981.786
17	37.742	12199	0.1412	1.566	2.221	127725.284
18	39.144	370614	4.2894	4.384	0.867	511174.247
19	40.026	546127	6.3207	3.782	0.838	414961.171

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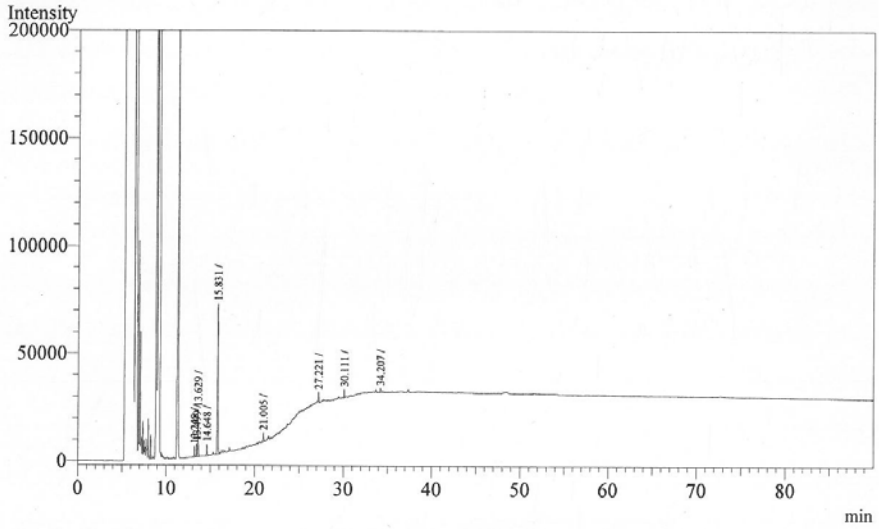
Analysis Date & Time : 6/27/2016 11:00:42 AM
User Name : Admin
Vial# : 1
Sample Name : control_27june
Sample ID : control
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\mutation\control_27june.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	13.248	20215	3.5225	0.000	0.898	261881.549
2	13.499	28379	4.9450	2.158	0.000	173033.726
3	13.629	97786	17.0391	1.084	0.000	241465.679
4	14.648	26260	4.5758	8.726	1.212	226252.854
5	15.831	327681	57.0979	9.838	1.120	288140.588
6	21.005	22047	3.8417	42.380	0.953	438809.150
7	27.221	20016	3.4877	51.745	0.992	910859.930
8	30.111	17733	3.0899	24.320	0.979	940025.839
9	34.207	13776	2.4004	25.145	1.306	457002.245
Total		573893	100.0000			

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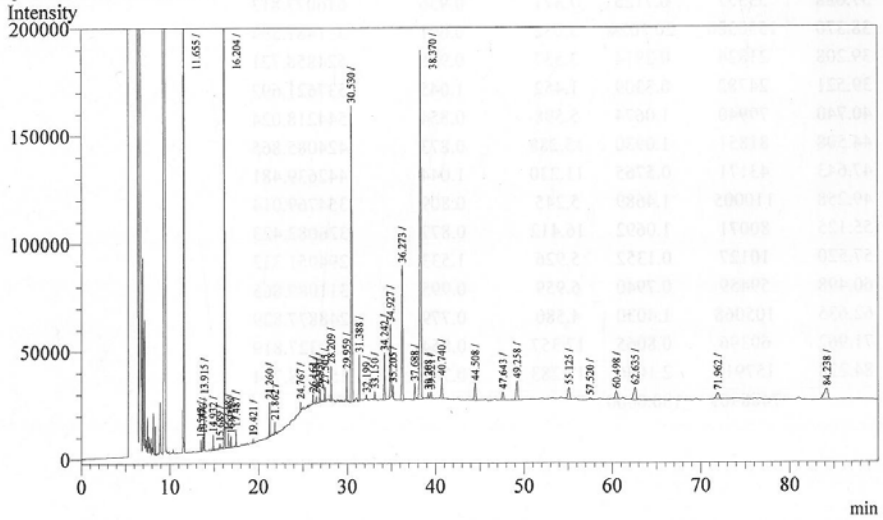
Analysis Date & Time : 5/29/2015 11:50:21 AM
User Name : Admin
Vial# : 1
Sample Name : Po_invivo shoot_90min
Sample ID : po
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\invivo shootgcd.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm
[Description]
Injection Vol : 1microlitre,



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	11.655	1522661	20.3322	0.000	0.743	223947.703
2	13.547	19062	0.2545	19.886	0.942	344800.204
3	13.776	21411	0.2859	2.535	0.924	382411.187
4	13.915	84961	1.1345	1.542	1.001	369221.695
5	14.932	27058	0.3613	10.789	0.985	375978.938
6	15.689	12428	0.1660	6.197	0.894	180778.895
7	16.204	1009165	13.4755	4.130	0.901	398741.168
8	16.648	25262	0.3373	4.458	1.070	469588.629
9	16.911	22598	0.3018	2.506	1.176	360955.335
10	17.487	33701	0.4500	5.396	0.827	473475.623
11	19.421	10347	0.1382	17.919	0.812	458369.067
12	21.260	61170	0.8168	17.236	1.033	734188.989
13	21.862	18543	0.2476	6.130	0.935	803153.142
14	24.767	16766	0.2239	29.735	1.214	1014263.218
15	26.161	17695	0.2363	13.770	1.007	1000819.345
16	26.535	16807	0.2244	3.255	0.853	706620.353
17	26.950	21793	0.2910	3.491	1.349	932616.229
18	27.505	32178	0.4297	4.849	1.253	868107.189
19	28.209	68006	0.9081	6.182	0.881	1044517.645
20	29.959	59399	0.7932	15.394	1.068	1040359.884

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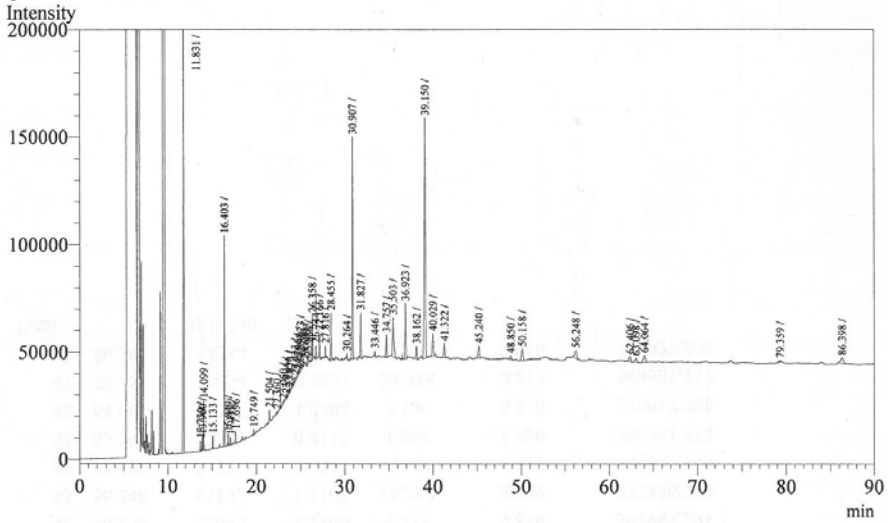
Analysis Date & Time : 5/13/2015 12:53:17 PM
User Name : Admin
Vial# : 1
Sample Name : Po_leaf_90_6
Sample ID : po
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\leaf_90_6gcd.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm
[Description]
Injection Vol : 1microlitre,



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	11.831	1553287	28.1835	0.000	0.731	227226.800
2	13.739	17713	0.3214	19.977	0.913	354463.649
3	13.960	20642	0.3745	2.450	0.932	401571.957
4	14.099	79160	1.4363	1.552	0.994	375343.004
5	15.133	22865	0.4149	10.936	0.960	385718.106
6	16.403	360686	6.5444	13.080	0.963	455031.524
7	16.849	18189	0.3300	4.644	1.042	500296.047
8	17.112	15502	0.2813	2.547	0.983	372043.161
9	17.696	28409	0.5155	5.486	0.592	490291.838
10	19.749	11285	0.2048	18.586	1.039	429857.366
11	21.504	36169	0.6563	14.679	0.859	520825.901
12	22.360	14679	0.2663	3.003	0.606	39005.997
13	23.060	11358	0.2061	1.941	0.660	116822.736
14	23.404	23482	0.4261	1.049	0.739	58508.645
15	23.656	18527	0.3362	0.913	0.000	317067.926
16	23.873	15001	0.2722	0.000	0.000	0.000
17	24.413	33085	0.6003	0.000	0.668	76489.445
18	24.706	22799	0.4137	0.000	0.000	0.000
19	24.898	27346	0.4962	0.000	0.000	0.000
20	25.023	65657	1.1913	0.000	0.000	543122.974

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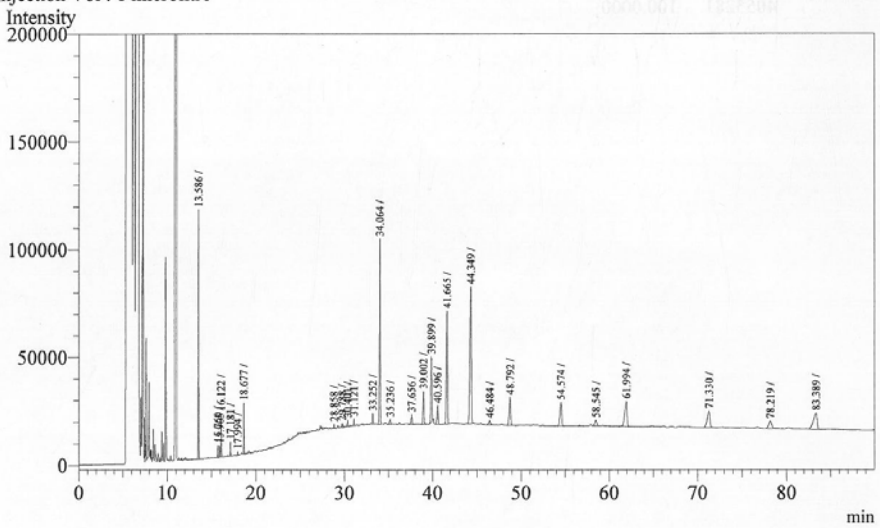
Analysis Date & Time : 4/11/2015 4:39:10 PM
User Name : Admin
Vial# : 1
Sample Name : Stem
Sample ID : 10gm/2mL
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\stem_1.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm
[Description]
Injection Vol : 1 microlitre



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	13.586	468465	11.5520	0.000	0.918	266036.059
2	15.760	21843	0.5386	20.922	0.995	374703.686
3	15.965	19120	0.4715	2.018	0.969	399772.414
4	16.122	76959	1.8977	1.537	1.024	393602.822
5	17.181	25190	0.6212	10.240	1.011	430972.371
6	17.994	10343	0.2551	6.641	0.750	261734.441
7	18.677	93709	2.3108	5.561	1.004	497923.514
8	28.858	10599	0.2614	85.413	1.624	751568.788
9	29.788	12679	0.3126	6.834	2.011	726364.916
10	30.401	13791	0.3401	4.447	0.980	791779.624
11	31.121	14150	0.3489	5.473	1.082	959006.529
12	33.252	27826	0.6862	15.326	1.021	769006.002
13	34.064	533776	13.1625	5.130	0.902	675997.450
14	35.236	20838	0.5138	5.395	0.737	272478.629
15	37.656	33472	0.8254	10.612	0.843	647829.155
16	39.002	117794	2.9047	6.881	0.949	577811.781
17	39.899	238645	5.8848	4.270	0.883	545510.195
18	40.596	70120	1.7291	3.277	0.912	595392.859
19	41.665	485883	11.9815	4.687	0.833	455330.699
20	44.349	740426	18.2583	9.552	0.792	314389.737

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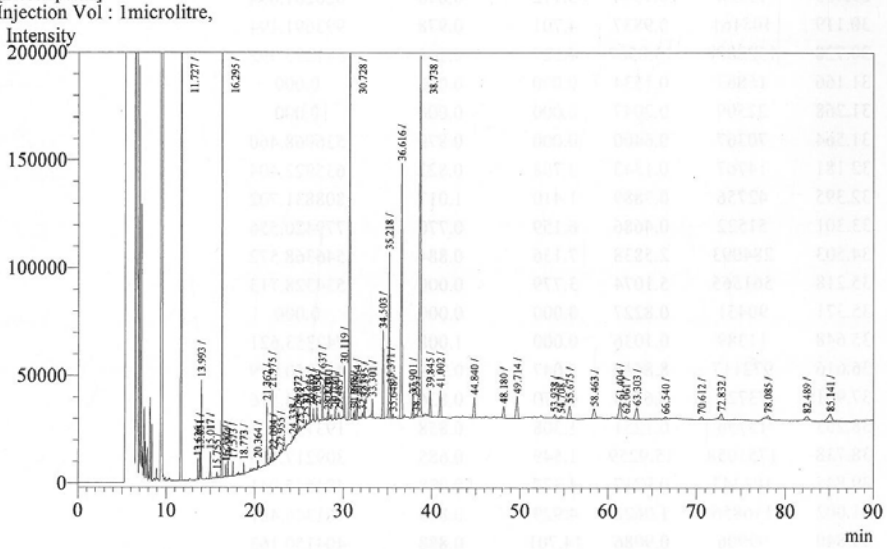
Analysis Date & Time : 5/15/2015 3:43:15 PM
User Name : Admin
Vial# : 1
Sample Name : Po_in vitroplant_90_3
Sample ID : po
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\invitroplant_3gcd.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm
[Description]
Injection Vol : 1microlitre,



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	11.727	2264501	20.5957	0.000	0.728	193810.883
2	13.626	33450	0.3042	19.406	0.992	369662.891
3	13.851	40578	0.3691	2.526	0.966	388077.410
4	13.993	155559	1.4148	1.585	1.006	375962.353
5	15.017	52469	0.4772	10.775	0.860	366326.034
6	15.755	14448	0.1314	5.782	0.978	161825.961
7	16.295	886070	8.0588	4.209	0.909	419041.357
8	16.732	20556	0.1870	4.505	1.079	510240.873
9	16.994	30357	0.2761	2.615	1.187	399522.313
10	17.573	29416	0.2675	5.563	0.720	483792.727
11	18.773	17692	0.1609	12.753	1.201	733327.162
12	20.364	13098	0.1191	18.411	0.843	906816.847
13	21.362	109054	0.9918	10.728	1.012	715301.590
14	21.975	133181	1.2113	5.992	0.000	712720.134
15	22.094	18181	0.1654	0.000	0.000	0.000
16	22.955	11302	0.1028	0.000	1.114	225685.984
17	24.338	11602	0.1055	7.319	1.059	275359.104
18	24.872	44162	0.4017	3.717	0.960	942520.355
19	25.127	15721	0.1430	1.498	0.733	176313.201
20	25.812	15956	0.1451	3.746	0.760	658822.384

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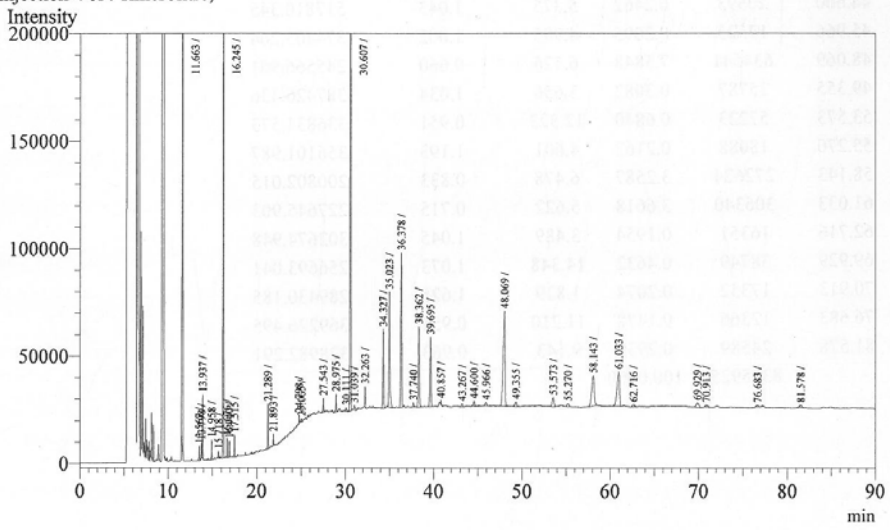
Analysis Date & Time : 5/21/2015 1:44:15 PM
User Name : Admin
Vial# : 1
Sample Name : Po_callus_3_90min
Sample ID : po
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\callus_3gcd.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm
[Description]
Injection Vol : 1microlitre,



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	11.663	1750058	20.9189	0.000	0.720	221331.073
2	13.567	24756	0.2959	19.750	0.880	332420.875
3	13.798	23995	0.2868	2.573	0.849	410846.454
4	13.937	104046	1.2437	1.558	0.949	359419.660
5	14.958	37434	0.4475	10.689	0.776	367647.059
6	15.718	17364	0.2076	6.066	0.877	170291.391
7	16.245	1483291	17.7301	4.027	0.831	348877.336
8	16.676	33010	0.3946	4.198	1.054	483453.112
9	16.940	33443	0.3997	2.511	1.100	347710.618
10	17.515	46261	0.5530	5.292	0.761	462031.668
11	21.289	78442	0.9376	37.205	1.035	720089.710
12	21.893	18793	0.2246	6.144	1.011	816836.594
13	24.798	17098	0.2044	28.506	1.377	852054.294
14	25.065	10519	0.1257	1.725	0.913	246809.773
15	27.543	33376	0.3989	15.549	1.012	875088.777
16	28.975	43113	0.5153	11.959	0.745	895159.491
17	30.111	11936	0.1427	8.023	1.060	557920.813
18	30.607	1297792	15.5128	3.074	0.789	567653.274
19	31.039	16993	0.2031	2.042	1.529	225340.181
20	32.263	52058	0.6223	6.093	1.030	832067.204

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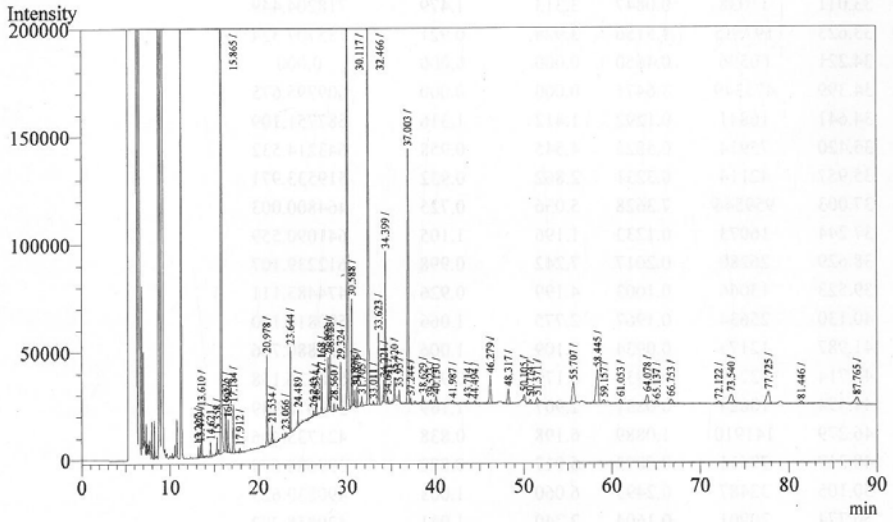
Analysis Date & Time : 6/28/2016 2:08:53 PM
User Name : Admin
Vial# : 1
Sample Name : 0.1%EMS1_28june
Sample ID : 0.1%EMS1
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\mutation\0.1%EMS1_28june.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	13.227	21768	0.1670	0.000	1.147	239002.086
2	13.479	24833	0.1906	2.298	0.000	232607.349
3	13.610	103850	0.7969	1.161	0.000	231573.572
4	14.621	30788	0.2362	8.798	1.420	248498.320
5	15.358	38601	0.2962	5.979	1.110	223187.483
6	15.865	4502542	34.5491	3.745	0.765	201438.865
7	16.325	98412	0.7551	3.350	1.257	237571.637
8	16.592	80233	0.6156	2.064	1.716	277775.785
9	17.184	124855	0.9580	4.483	1.149	245193.096
10	17.912	12183	0.0935	5.066	0.886	230231.197
11	20.978	211665	1.6242	22.244	1.272	436140.804
12	21.554	43744	0.3357	4.516	1.244	450109.702
13	23.066	11713	0.0899	10.798	1.375	367132.860
14	23.644	153150	1.1752	4.585	1.040	879275.382
15	24.489	37708	0.2893	7.966	0.754	767375.209
16	26.243	11302	0.0867	16.012	1.022	947714.083
17	26.534	22774	0.1747	2.723	1.038	992175.083
18	27.168	75696	0.5808	5.838	0.984	956028.130
19	27.893	108947	0.8360	6.543	1.342	1007755.325
20	28.123	108705	0.8341	2.048	1.028	985826.864
21	28.560	16635	0.1276	3.773	1.089	920000.481

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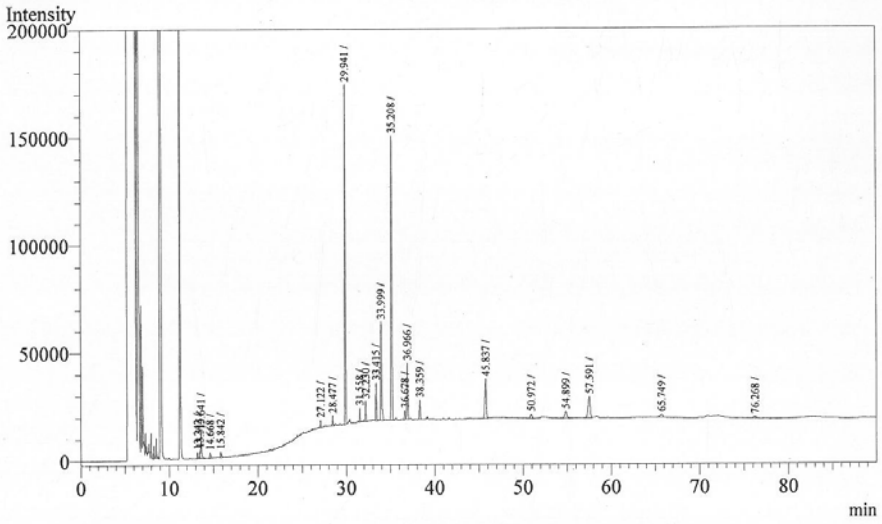
Analysis Date & Time : 7/1/2016 4:03:08 PM
User Name : Admin
Vial# : 1
Sample Name : 0.2%EMSshoot_1july
Sample ID : 0.2%EMSshoot
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\mutation\0.2%EMSshoot_1july.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	13.242	14748	0.4510	0.000	1.283	160223.343
2	13.515	16708	0.5109	0.000	0.000	0.000
3	13.641	80243	2.4539	0.000	0.000	124897.700
4	14.668	19490	0.5960	6.013	1.606	97294.235
5	15.842	20247	0.6192	6.246	1.734	112609.973
6	27.122	15194	0.4647	74.729	1.076	907834.713
7	28.477	24703	0.7554	11.335	1.254	819670.023
8	29.941	833945	25.5028	11.011	0.879	722387.632
9	31.558	32046	0.9800	11.705	0.983	860306.375
10	32.230	58752	1.7967	4.725	0.698	749072.477
11	33.415	105679	3.2317	7.577	0.972	658118.350
12	33.999	306412	9.3704	3.582	1.354	702420.418
13	35.208	976336	29.8573	6.760	0.785	514500.844
14	36.678	27976	0.8555	7.687	0.912	614644.532
15	36.966	191053	5.8426	1.501	0.947	565022.360
16	38.359	66450	2.0321	7.032	0.958	585104.027
17	45.837	197376	6.0359	30.744	0.833	407618.084
18	50.972	24286	0.7427	16.896	0.970	400324.478
19	54.899	52188	1.5960	10.289	1.069	245542.889
20	57.591	158731	4.8541	6.164	0.808	283284.446
21	65.749	29661	0.9071	16.759	0.827	234315.984

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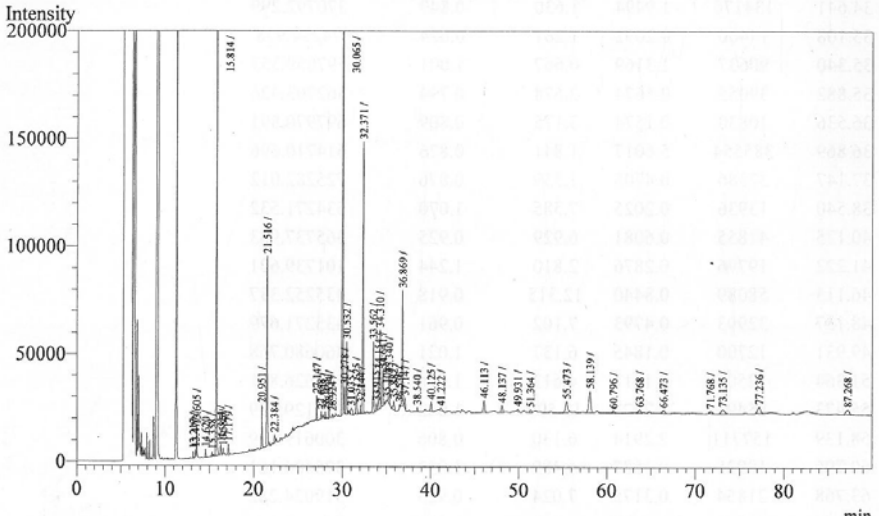
Analysis Date & Time : 6/29/2016 1:06:40 PM
User Name : Admin
Vial# : 1
Sample Name : 0.3%EMSinvitroplant_29june
Sample ID : 0.3%EMSinvitroplant
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\mutation\0.3%EMSinvitroplant_29june.g
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	13.217	14244	0.2070	0.000	1.105	213882.196
2	13.477	10260	0.1491	2.449	0.958	298774.368
3	13.605	54935	0.7981	1.222	1.340	239014.505
4	14.620	18767	0.2727	8.501	1.396	208643.277
5	15.358	10324	0.1500	5.679	1.086	213959.461
6	15.814	1169019	16.9847	3.501	1.124	243264.267
7	16.314	26997	0.3922	3.617	1.265	191778.593
8	16.585	13631	0.1980	1.950	1.094	261187.405
9	17.179	30930	0.4494	4.172	1.204	195136.135
10	20.951	97167	1.4117	26.956	1.241	448918.088
11	21.516	470925	6.8421	4.450	1.463	441697.470
12	22.384	22779	0.3309	5.737	1.439	265657.651
13	27.147	48158	0.6997	33.638	0.993	969809.894
14	27.658	21686	0.3151	3.678	0.953	432966.715
15	28.103	12675	0.1842	3.173	1.109	988375.891
16	28.534	18819	0.2734	3.715	1.072	910081.153
17	28.924	11831	0.1719	2.250	1.377	257472.413
18	30.065	1730320	25.1398	5.971	0.766	599653.145
19	30.278	66125	0.9607	1.420	0.920	694483.812
20	30.532	176711	2.5674	1.823	0.837	836270.115
21	31.035	37113	0.5392	1.936	1.617	102273.429

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Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
22	31.625	74259	1.0789	1.848	1.198	253007.456
23	32.144	22566	0.3279	0.000	0.000	0.000
24	32.371	763154	11.0879	0.000	0.798	679705.758
25	33.562	196630	2.8568	7.564	0.931	715591.151
26	33.915	23888	0.3471	2.065	0.934	543955.321
27	34.154	109679	1.5935	0.000	0.000	0.000
28	34.310	247630	3.5978	0.000	0.000	583720.605
29	34.641	134176	1.9494	1.630	0.849	370792.299
30	35.108	14400	0.2092	1.261	0.624	74294.978
31	35.340	90637	1.3169	0.667	1.001	597059.557
32	35.882	39055	0.5674	2.578	0.794	362703.426
33	36.536	10830	0.1574	3.175	0.809	697970.891
34	36.869	385554	5.6017	1.841	0.826	614710.696
35	37.147	32386	0.4705	1.539	0.876	725282.012
36	38.540	13936	0.2025	7.585	1.070	634271.532
37	40.125	41855	0.6081	6.929	0.925	365737.953
38	41.222	19796	0.2876	2.810	1.244	101739.601
39	46.113	58089	0.8440	12.315	0.918	435252.337
40	48.137	32993	0.4793	7.102	0.961	435271.679
41	49.931	12700	0.1845	6.137	1.021	460680.768
42	51.364	12508	0.1817	4.612	1.016	389626.831
43	55.473	85495	1.2422	10.599	1.042	245129.199
44	58.139	157711	2.2914	6.130	0.806	300619.539
45	60.796	10925	0.1587	6.489	1.057	375404.161
46	63.768	21854	0.3175	7.024	0.923	319024.282
47	66.473	23212	0.3372	5.684	1.102	279708.085
48	71.768	15403	0.2238	10.641	1.303	336081.853
49	73.135	48464	0.7041	2.331	1.128	184997.137
50	77.236	62242	0.9043	6.396	0.969	260226.773
51	87.268	57339	0.8331	14.927	0.896	221236.398
Total		6882782	100.0000			

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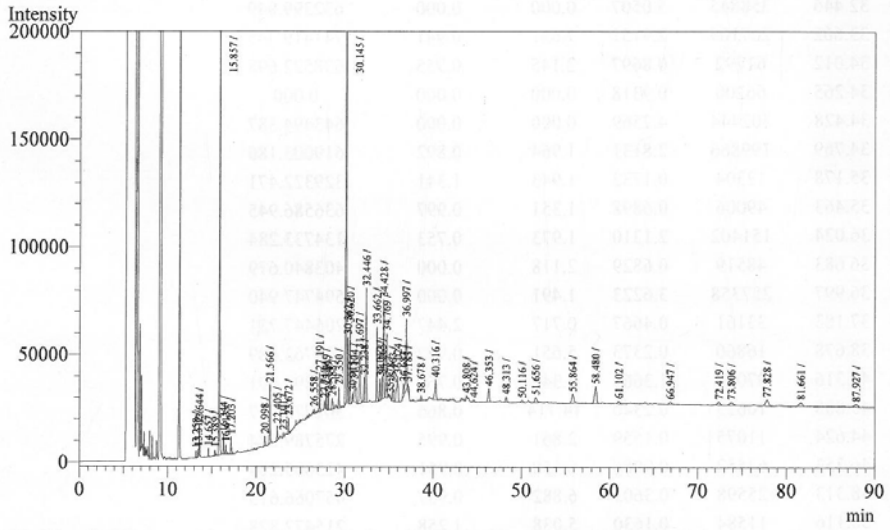
Analysis Date & Time : 6/27/2016 1:29:56 PM
User Name : Admin
Vial# : 1
Sample Name : 0.4%EMS1_27june
Sample ID : 0.4%EMS1
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\mutation\0.4%EMS1_27june.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	13.258	14511	0.2042	0.000	1.193	240254.234
2	13.512	11678	0.1644	2.490	0.980	315373.462
3	13.644	56635	0.7971	1.273	1.286	242965.263
4	14.657	19407	0.2732	8.727	1.477	230433.139
5	15.389	12392	0.1744	5.959	1.109	245855.946
6	15.857	1294749	18.2236	3.891	1.008	293711.473
7	16.344	44544	0.6270	3.954	1.240	252436.075
8	16.613	24684	0.3474	2.114	1.892	283410.669
9	17.203	44428	0.6253	4.506	1.132	249881.809
10	20.998	24133	0.3397	29.194	0.853	465999.068
11	21.566	133032	1.8724	4.684	1.330	515717.938
12	22.405	35077	0.4937	6.905	1.486	524991.869
13	23.101	15741	0.2216	4.402	0.951	228560.962
14	23.672	32229	0.4536	3.771	1.256	735913.656
15	26.558	10153	0.1429	25.743	0.956	861871.359
16	27.191	78601	1.1063	5.628	0.808	960553.407
17	27.740	25013	0.3521	4.076	0.724	486240.075
18	27.919	41461	0.5836	1.336	1.072	1040101.779
19	28.149	32493	0.4573	2.064	1.022	970144.457
20	28.588	43646	0.6143	2.391	1.619	203031.436
21	29.350	51709	0.7278	4.058	1.450	915889.818

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Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
22	30.145	1825663	25.6962	5.617	0.763	559383.559
23	30.362	153370	2.1587	1.458	0.973	785156.177
24	30.620	193282	2.7204	1.905	0.852	826681.985
25	30.915	16702	0.2351	2.378	0.929	1182405.814
26	31.104	127643	1.7966	0.740	1.870	96764.111
27	31.697	230808	3.2486	1.821	1.065	252169.653
28	32.238	72838	1.0252	0.000	0.000	0.000
29	32.446	358845	5.0507	0.000	0.000	632399.049
30	33.662	207109	2.9151	7.631	0.941	741419.345
31	34.012	61792	0.8697	2.145	0.955	638522.698
32	34.265	66200	0.9318	0.000	0.000	0.000
33	34.428	302444	4.2569	0.000	0.000	643494.387
34	34.769	199866	2.8131	1.964	0.892	619003.180
35	35.178	12304	0.1732	1.943	1.341	329322.471
36	35.463	49006	0.6898	1.351	0.997	636586.945
37	36.024	151402	2.1310	1.973	0.753	134733.284
38	36.683	48519	0.6829	2.118	0.000	403840.679
39	36.997	257358	3.6223	1.491	0.000	594747.940
40	37.183	33161	0.4667	0.717	2.447	206447.731
41	38.678	16860	0.2373	5.651	0.972	578763.489
42	40.316	97090	1.3665	7.346	0.768	437893.491
43	43.808	16623	0.2340	14.714	0.866	569779.247
44	44.624	11075	0.1559	2.861	0.995	275789.884
45	46.353	64552	0.9086	5.550	0.951	423005.204
46	48.313	25598	0.3603	6.882	0.937	457066.615
47	50.116	11584	0.1630	5.038	1.258	215472.828
48	51.656	37843	0.5326	3.626	1.433	242234.965
49	55.864	65831	0.9266	9.711	1.028	247623.364
50	58.480	125651	1.7685	5.958	0.868	293631.097
51	61.102	16375	0.2305	6.176	1.061	339295.208
52	66.947	19029	0.2678	12.309	0.978	252768.319
53	72.419	29925	0.4212	9.808	1.096	244152.372
54	73.806	33625	0.4733	2.270	1.210	213404.361
55	77.828	60201	0.8473	6.311	0.963	237463.393
56	81.661	34490	0.4854	6.205	0.930	296336.085
57	87.927	23816	0.3352	10.256	1.162	316500.732
Total		7104796	100.0000			

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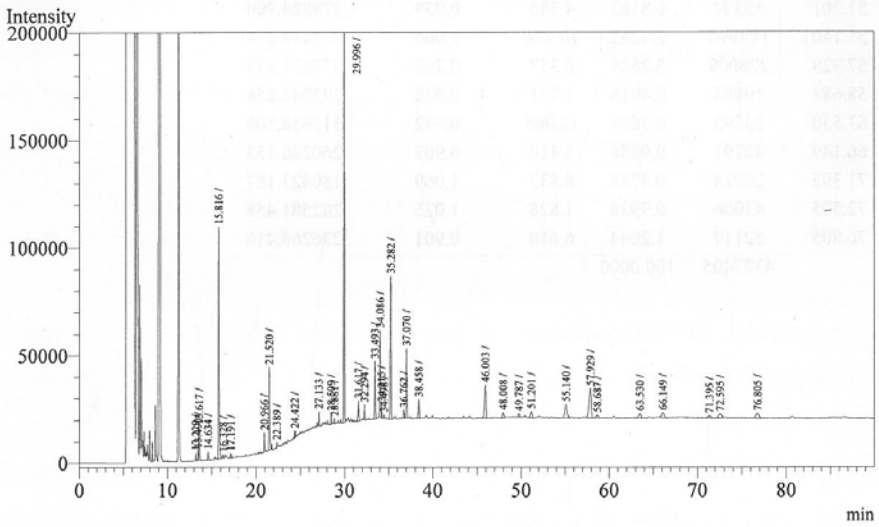
Analysis Date & Time : 7/1/2016 10:10:17 AM
User Name : Admin
Vial# : 1
Sample Name : 0.6%EMSshoot_1july
Sample ID : 0.6%EMSshoot
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\mutation\0.6%EMSshoot_1july.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	13.229	16785	0.3879	0.000	1.126	205121.287
2	13.490	21158	0.4889	2.086	0.000	161138.360
3	13.617	85870	1.9843	0.954	0.000	167919.709
4	14.634	22731	0.5253	7.370	1.486	165961.237
5	15.816	627069	14.4906	8.228	1.358	191668.303
6	16.328	10392	0.2402	3.232	1.268	142893.758
7	17.191	13284	0.3070	4.935	1.162	149077.251
8	20.966	48192	1.1136	23.916	1.272	367365.536
9	21.520	220174	5.0879	3.990	1.438	376795.377
10	22.389	14212	0.3284	5.729	1.245	298617.394
11	24.422	15338	0.3544	0.000	0.000	0.000
12	27.133	27732	0.6409	0.000	0.957	945818.886
13	28.509	21359	0.4936	12.119	0.985	963834.085
14	28.881	13580	0.3138	2.996	0.797	757905.436
15	29.996	1045497	24.1599	8.178	0.839	727063.600
16	31.617	57548	1.3298	11.563	0.754	810398.209
17	32.294	38047	0.8792	4.727	0.977	777852.066
18	33.493	157611	3.6422	7.927	0.955	728434.957
19	34.086	248955	5.7530	3.728	0.000	707498.905
20	34.215	30242	0.6989	0.000	0.000	0.000
21	34.498	12087	0.2793	0.000	1.312	585515.470

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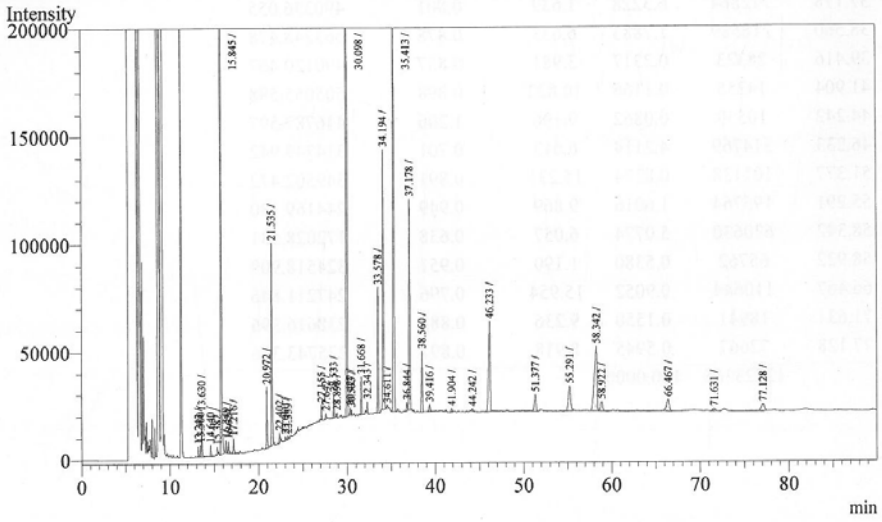
Analysis Date & Time : 6/30/2016 3:23:47 PM
User Name : Admin
Vial# : 1
Sample Name : 0.1%EMScallus_30june
Sample ID : 0.1%EMScallus
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\mutation\0.1%EMScallus_30june.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	13.243	21790	0.1783	0.000	1.294	217639.667
2	13.500	24158	0.1976	2.219	0.000	208921.597
3	13.630	106517	0.8714	1.067	0.000	187431.117
4	14.640	28278	0.2313	7.717	1.581	183762.516
5	15.382	17474	0.1430	5.443	1.113	202521.898
6	15.845	2382585	19.4921	3.409	1.036	218410.210
7	16.349	34975	0.2861	3.368	1.278	157226.222
8	16.624	36558	0.2991	1.739	1.898	191850.288
9	17.216	46368	0.3793	3.748	1.150	174337.479
10	20.972	151764	1.2416	25.508	1.336	414192.458
11	21.535	531330	4.3468	4.197	1.457	386166.646
12	22.402	27820	0.2276	5.528	1.337	259293.449
13	23.060	13156	0.1076	3.922	1.114	330360.719
14	23.359	11115	0.0909	1.680	1.279	226340.880
15	27.155	28526	0.2334	24.904	1.028	988587.848
16	27.642	15436	0.1263	3.522	1.012	432629.921
17	28.533	47227	0.3864	6.289	1.008	970157.155
18	28.898	10266	0.0840	0.000	0.000	0.000
19	30.098	2990147	24.4626	0.000	0.707	460170.001
20	30.427	17020	0.1392	2.048	0.000	715188.835
21	30.533	11898	0.0973	0.000	0.000	0.000

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Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
22	31.668	92325	0.7553	0.000	0.967	827256.754
23	32.343	27259	0.2230	4.817	1.048	832167.063
24	33.578	363657	2.9751	8.038	0.865	650840.879
25	34.194	855977	7.0028	3.587	1.013	592042.637
26	34.611	12888	0.1054	1.763	0.936	218361.433
27	35.413	1544117	12.6325	3.197	0.710	470109.727
28	36.844	27849	0.2278	7.115	0.896	561294.901
29	37.178	772864	6.3228	1.639	0.801	490336.055
30	38.560	218589	1.7883	6.633	0.878	563248.478
31	39.416	28323	0.2317	3.981	0.837	490120.467
32	41.904	14255	0.1166	10.822	0.898	505055.598
33	44.242	10539	0.0862	9.196	1.206	416787.597
34	46.233	514769	4.2114	6.613	0.701	314749.942
35	51.377	101138	0.8274	15.231	0.891	349502.472
36	55.291	195764	1.6016	9.869	0.949	244169.130
37	58.342	620630	5.0774	6.057	0.638	172028.531
38	58.922	65762	0.5380	1.190	0.951	324518.909
39	66.467	110644	0.9052	15.954	0.796	247211.846
40	71.631	18941	0.1550	9.236	0.881	238616.396
41	77.128	72667	0.5945	8.918	0.897	225743.316
Total		12223365	100.0000			

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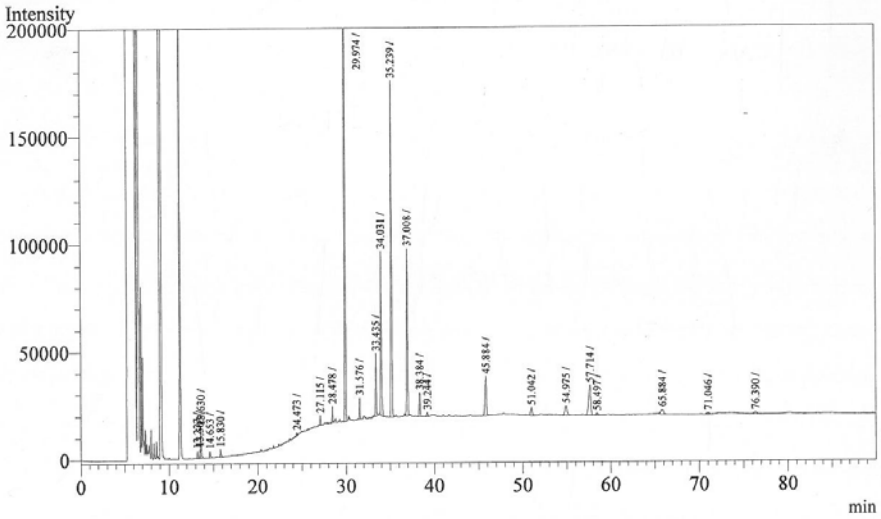
Analysis Date & Time : 7/1/2016 2:19:10 PM
User Name : Admin
Vial# : 1
Sample Name : 0.2%EMScallus_1july
Sample ID : 0.2%EMScallus
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\mutation\0.2%EMScalls_1july.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	13.237	16189	0.3061	0.000	1.278	177500.882
2	13.503	18956	0.3584	0.000	0.000	0.000
3	13.630	85098	1.6088	0.000	0.000	139157.526
4	14.653	21299	0.4027	6.444	1.560	115951.144
5	15.830	24837	0.4695	6.768	1.576	128315.867
6	24.473	12023	0.2273	50.281	0.558	339902.936
7	27.115	18660	0.3528	18.922	1.019	935991.479
8	28.478	32709	0.6184	12.041	0.975	983162.211
9	29.974	1827064	34.5415	11.275	0.770	628376.074
10	31.576	50893	0.9622	11.175	0.972	859134.739
11	33.435	189113	3.5753	12.405	0.961	663664.583
12	34.031	513106	9.7005	3.624	1.199	671486.275
13	35.239	1152431	21.7872	6.706	0.752	522312.368
14	37.008	600017	11.3436	8.835	0.826	514678.669
15	38.384	83040	1.5699	6.759	0.954	578158.377
16	39.244	16336	0.3088	4.033	0.828	482464.307
17	45.884	198713	3.7568	25.849	0.825	402955.377
18	51.042	44588	0.8429	16.381	0.919	355832.748
19	54.975	70077	1.3248	10.227	1.049	262956.801
20	57.714	229357	4.3361	6.276	0.762	267226.325
21	58.497	11652	0.2203	1.770	0.939	282567.221

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Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
22	65.884	43285	0.8183	15.634	0.804	269854.086
23	71.046	11841	0.2239	9.587	0.878	246371.154
24	76.390	18192	0.3439	9.240	0.988	270795.101
Total		5289476	100.0000			

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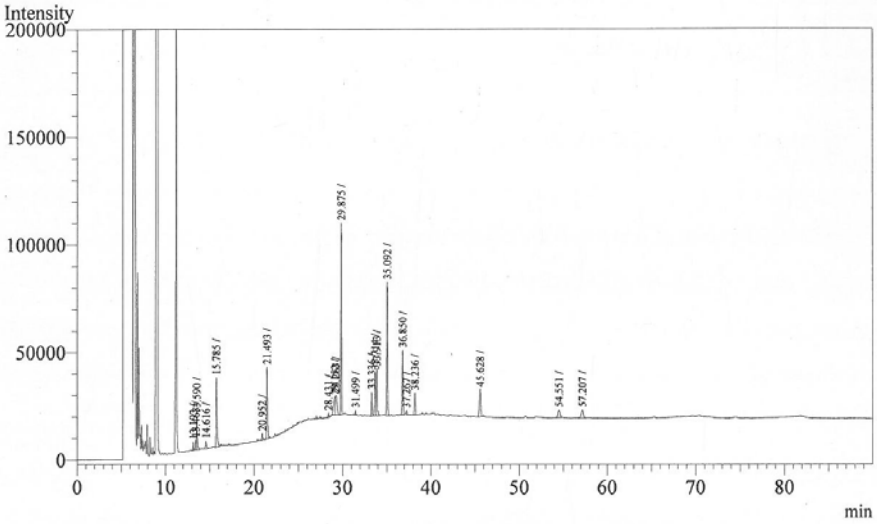
Analysis Date & Time : 7/2/2016 12:58:11 PM
User Name : Admin
Vial# : 1
Sample Name : 0.3%EMScallus2_2july
Sample ID : 0.3%EMScallus2
Sample Type : Unknown
Injection Volume :
ISTD Amount :

Data Name : D:\GC DATA\DATA\Archana\Fatty acid\for_print\mutation\0.3%EMScallus2_2july.gcd
Method Name : D:\GC DATA\DATA\Archana\Fatty acid\integration_peaks.gcm



Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
1	13.193	17790	0.6643	0.000	1.237	176476.063
2	13.463	21436	0.8005	0.000	0.000	0.000
3	13.590	96811	3.6154	0.000	0.000	133995.557
4	14.616	24652	0.9206	6.394	1.560	113720.676
5	15.785	241561	9.0210	6.646	1.649	123869.817
6	20.952	19642	0.7335	29.665	1.068	243370.692
7	21.493	212036	7.9184	3.304	1.417	296306.569
8	28.431	11011	0.4112	48.798	1.252	799302.065
9	29.152	90646	3.3852	0.000	0.000	0.000
10	29.263	132726	4.9566	0.000	0.000	0.000
11	29.875	455154	16.9976	0.000	0.946	773549.611
12	31.499	11293	0.4217	11.976	0.876	857782.039
13	33.336	65055	2.4295	12.658	0.996	739927.575
14	33.714	146776	5.4813	2.170	0.000	479622.864
15	33.913	142906	5.3368	1.114	0.000	697387.243
16	35.092	425459	15.8886	6.883	0.883	600182.936
17	36.850	221826	8.2841	9.325	0.925	560534.689
18	37.267	12534	0.4681	2.147	1.027	603086.431
19	38.236	78399	2.9278	4.941	0.948	577587.317
20	45.628	133295	4.9779	30.794	0.892	424339.616
21	54.551	56582	2.1130	25.763	1.115	277358.804

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Peak#	Ret.Time	Area	Area%	Resolution	Tailing Factor	Theoretical Plates
22	57.207	60162	2.2467	6.485	0.973	316120.356
Total		2677752	100.0000			