Table 1. Trapping of Female Adults of C. sinensis Using Slow-Release Male Attractant Formulations on DelTa Insect Trap in Litchi Field, Punjab, India.

No. of observations	Mean values of the total female insects trapped by the treatment			Means for groups in homogeneous subsets are displayed**
	Product 1* Mean ±SE	Control * Mean ±SE	Component A* Mean ±SE	
1st WEEK	27.40±0.60 (5.23)	2.30±0.24 (1.51)	0.90±0.09 (0.94)	**10.20[a] (2.25)**
2ND WEEK	17.70±0.67 (4.20)	1.60±0.20 (1.26)	0.80±0.12 (0.89)	**6.70[b] (1.83)**
3RD WEEK	10.60±0.53 (3.25)	1.50±0.15 (1.22)	0.80±0.12 (0.89)	**4.30[c] (1.46)**
4TH WEEK	8.70±0.42 (2.94)	0.90±0.09 (0.94)	0.70±0.14 (0.83)	**3.03[d] (1.23)**
5TH WEEK	7.60±0.15 (2.75)	0.70±0.14 (0.83)	0.70±0.14 (0.83)	**3.00[d] (1.22)**
6TH WEEK	7.30±0.44 (2.70)	0.70±0.14 (0.83)	0.70±0.14 (0.83)	**2.90[d] (1.20)**

*Mean values of female adults trapped in 10 replication; SE=Standard Error; Values in the parenthesis are transformed values; **total mean uses Harmonic Mean Sample Size = 30.000; Values in the same column followed by same letter are not significantly different from each other at the 95% confidence interval using Tukey's post hoc HSD test; (Product 1=Male attractant Control=Pure hexane and Component A = final male column compound wash with methanol)

Table 2. Two factor ANOVA Calculations of mean values of females insects trapped on a Delta insect trap from experimental field in litchi orchard at Govt. Garden and Fruit Nursery, Khaila Bulanda, Punjab, India.

Source	Sum of Squares	Mean Square	F	P value
Treatment (t)	5780.933	2890.467	2572.519	.000*
Weeks (w)	1233.041	246.608	219.482	.000*
treatment * Weeks (t*w)	1919.815	191.982	170.864	.000*
Error	179.775	1.124		
Corrected Total	9273.640			

*Significance level at $p < 0.05$

Table 3. Trapping of Male Adults of C. sinensis Using Slow Release Female Attractant Formulations on DelTa Insect Trap in Litchi Field, Punjab, India.

No. of Observations	Mean values of the total male insects trapped by treatment			Means for groups in homogeneous subsets are displayed**
	Product 2* Mean ±SE	Control* Mean ±SE	Component B* Mean ±SE	
1st WEEK	13.40±0.82 (3.66)	2.60±0.58 (1.61)	0.70±0.28 (0.83)	5.56[a] (1.66)
2ND WEEK	10.20±0.39 (3.19)	1.50±0.51 (1.22)	0.40±0.14 (0.63)	4.03[b] (1.41)
3RD WEEK	9.70±0.64 (3.11)	1.10±0.23 (1.04)	0.40±0.15 (0.63)	3.73[bc] (1.36)
4TH WEEK	7.70±0.53 (2.77)	0.80±0.20 (0.89)	0.30±0.28 (0.54)	2.93[c] (1.21)
5TH WEEK	7.20±0.34 (2.68)	0.60±0.21 (0.77)	0.50 ± 0.24 (0.76)	2.76[c] (1.17)
6TH WEEK	7.10±0.49	0.50±0.24	0.60±0.21	2.73[c]

(2.66)	(0.70)	(0.44)	(1.16)

*Mean value of male adults trapped in 10 replication; SE =Standard Error) ; **total mean uses Harmonic Mean Sample Size = 30.000; Values in the same column followed by the same letter belong to homogeneous subsets as determined by Tukey's post hoc HSD test (95% confidence interval). This indicates that treatments within the same subset do not show significant differences; (Product 2=Female attractant, Control=Pure hexane and Component B = methanol wash)

Table 4. Two factor ANOVA Calculations of mean values of males insects trapped on a Del ta insect trap from experimental field in litchi orchard at Govt. Garden and Fruit Nursery, Khaila Bulanda, Punjab, India.

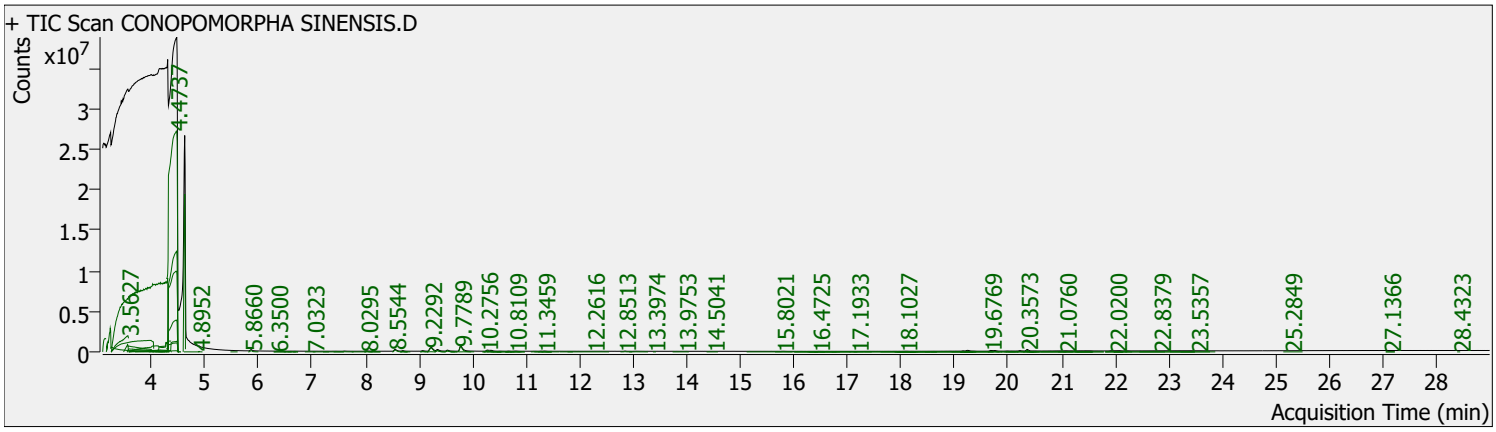
Source	Sum of Squares	Mean Square	F	Sig.
Treatment (t)	2825.911	1412.956	741.013	.000*
Weeks (w)	1slow78.761	35.752	18.750	.000*
treatment * weeks (t*w)	148.489	14.849	7.787	.000*
Error	308.900	1.907		
Corrected Total	3462.061			

*Significance level at $p < 0.05$.

NBAIR, BANGALORE

Agilent | Trusted Answers

Batch Path	D:\MassHunter\GCMS\1\data\2020\DEEPA F		
Analyst Name	DEEPA CONOMORPHA SINENSIS.uaf		
Analysis Time	01-07-2022 16:32:45		
File Name	CONOPOMORPHA SINENSIS.D	**Path Name**	D:\MassHunter\GCMS\1\data\2020\DEEPA F
Sample Name	S5FCS	**Sample Type**	Sample
Acq. Method File	Deepa method.M	**Acq. Method Path**	D:\MassHunter\GCMS\1\methods
Acq. Date-Time	01-07-2022 15:31:30	**Acq. Operator**	deepa bhagat
Instrument Name	NBAIR-GCMS	**Dil.**	1



RT	Compound Name	Component Area	CAS#	Match Factor	Formula
3.1389	2H-Tetrazole, 2-methyl-	5441663.5	16681-78-0	76.1	C2H4N4
3.2362	2-Azidopropane	8077731.8	691-57-6	77.6	C3H7N3
3.2561	Butanoic acid, 2-methylbutyl ester	9798265.9	51115-64-1	51.6	C9H18O2
3.5596	Cyclobutanecarboxylic acid, 3-methylbut-2-enyl ester	2628128.9	1000299-12-9	70.3	C10H16O2
3.5627	Cyclopentane, methyl-	23587543.6	96-37-7	71.3	C6H12
3.5771	n-Butyric acid tetrahydrofurfuryl ester	13891773.2	637-65-0	56.8	C8H14O3
3.5957	Acetone	7373614.9	67-64-1	85.0	C3H6O
3.9555	3H-1,2,4-Triazol-3-one, 1,2-dihydro-	52497152.0	930-33-6	86.0	C2H3N3O
4.0479	2-Propen-1-ol	2885889.0	107-18-6	81.1	C3H6O
4.0963	2H-Tetrazole, 2-methyl-	18497238.8	16681-78-0	72.4	C2H4N4
4.1234	1H-Tetrazol-5-amine	793548.1	4418-61-5	74.1	CH3N5
4.1234	Valeric acid, 4-nitrophenyl ester	790923.7	1000307-98-9	77.0	C11H13NO4
4.1718	1,2,5-Thiadiazole	3212053.4	288-39-1	53.9	C2H2N2S
4.2664	2-Aminocyanoacetamide	119275.4	6719-21-7	83.2	C3H5N3O
4.2928	Isothiazole	12251467.6	288-16-4	67.8	C3H3NS
4.3047	Isobutane	403815435.4	75-28-5	91.1	C4H10
4.3079	3-Pentanone	131484.7	96-22-0	83.2	C5H10O
4.3253	Pipecolic acid, TMS derivative	4572868.1	55887-52-0	50.4	C9H19NO2Si
4.3783	Silane, ethyltrimethyl-	3005.0	3439-38-1	67.8	C5H14Si
4.4502	Isothiazole	1431028.0	288-16-4	57.9	C3H3NS
4.4624	1H-1,2,4-Triazole	102783647.7	288-88-0	90.6	C2H3N3
4.4637	N-(2-Propynyl)aziridine	36220487.9	41104-29-4	59.0	C5H7N
4.4737	Cyclopentane, methyl-	286364530.3	96-37-7	86.5	C6H12
4.4740	Pentanenitrile	110836224.1	110-59-8	68.9	C5H9N
4.4765	2,2-Dimethylpropanoic acid, pent-2-en-4-ynyl ester	12732456.3	1000299-33-1	50.4	C10H14O2
4.4888	Pipradrol	9538376.0	467-60-7	53.6	C18H21NO
4.5004	1,3-Di-morpholin-4-yl-2,4-di-p-tolyl-but-2-en-1-thione	111429.9	1000287-78-3	56.2	C26H32N2O2S
4.5097	Butylphosphonic acid, butyl 4-methylaminophenyl ester	2206.9	1000323-02-8	52.3	C15H26NO3P
4.5453	2-(p-Methoxyphenyl)-8-methyl-8H-thieno(2,3-b)indole	898.1	22315-10-2	53.5	C18H15NOS
4.6245	Cyclohexane	29561662.3	110-82-7	92.7	C6H12
4.6416	Benzamide, 4-ethyl-N-methallyl-	18844.3	1000340-34-6	55.7	C13H17NO
4.8952	Heptane	84761.1	142-82-5	83.3	C7H16
5.5406	Benzoic acid, 4-amino-, methyl ester	3957.3	619-45-4	65.9	C8H9NO2
5.8660	Toluene	471110.4	108-88-3	98.2	C7H8
6.3500	3-Hexen-2-one	25019.2	763-93-9	84.9	C6H10O
6.4462	Tetrazolo[1,5-b]pyridazine, 6-chloro-	8600.6	21413-15-0	59.6	C4H2ClN5
6.6144	4-tert-Octylphenol, TMS derivative	12868.3	78721-87-6	72.5	C17H30OSi
6.6716	2H-pyran, 2,2'-[1,4-phenylenebis(oxy)]bis[tetrahydro-	47411.0	1000401-88-0	67.2	C16H22O4
6.6857	3-Heptanone, 2-methyl-	10485.2	13019-20-0	80.5	C8H16O
7.0323	1,2-Benzenediamine, 3-methyl-	11387.1	2687-25-4	59.7	C7H10N2
7.3000	Benzenamine, 4-propyl-	3002.5	2696-84-6	62.4	C9H13N
7.3972	2H-pyran, 2,2'-[1,4-phenylenebis(oxy)]bis[tetrahydro-	26947.1	1000401-88-0	67.5	C16H22O4
7.4506	Ethylbenzene	10747.0	100-41-4	67.5	C8H10

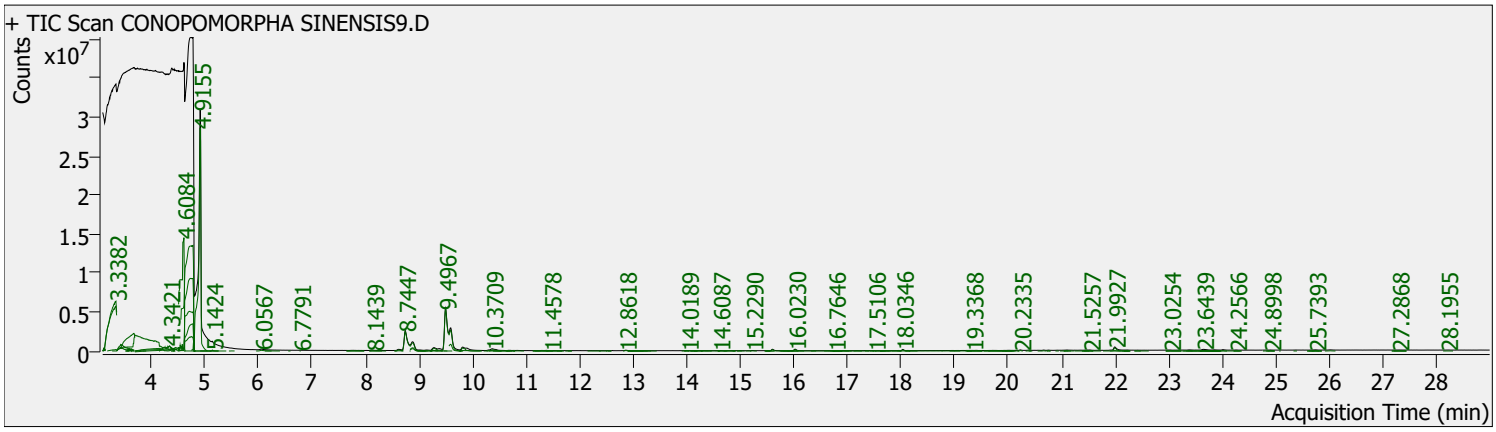
RT	Compound Name	Component Area	CAS#	Match Factor	Formula
7.6116	Benzene, 1,3-dimethyl-	84067.2	108-38-3	96.1	C8H10
7.8142	Succinic acid, but-3-yn-2-yl ethyl ester	4640.8	1000330-29-0	65.4	C10H14O4
8.0212	Pyridine, 3-ethyl-	18100.8	536-78-7	58.1	C7H9N
8.0295	o-Xylene	174483.5	95-47-6	96.5	C8H10
8.0295	p-Xylene	173356.1	106-42-3	96.6	C8H10
8.5544	Benzene, (1-methylethyl)-	814967.6	98-82-8	98.5	C9H12
8.6978	N1-Benzyl-N2-(3-pyridyl)oxamide	65784.8	43129-05-1	60.9	C14H13N3O2
8.7007	Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	201903.9	4889-83-2	95.2	C10H16
9.0652	Cyclobutanol, 1-phenyl-	46726.2	935-64-8	59.0	C10H12O
9.0692	Benzene, propyl-	229912.4	103-65-1	94.6	C9H12
9.2154	6-Aminopyridine-2-carbonitrile	76070.6	1000191-13-9	65.7	C6H5N3
9.2292	Benzene, 1-ethyl-2-methyl-	2104865.4	611-14-3	99.4	C9H12
9.3442	2-Oxobicyclo(3.2.2)nona-3,6-dien-1-yl benzoate	462630.4	73830-87-2	77.8	C16H14O3
9.3448	Mesitylene	735600.6	108-67-8	97.0	C9H12
9.5310	Benzene, 1-ethyl-4-methyl-	416403.5	622-96-8	94.8	C9H12
9.5311	Benzene, 1-ethyl-2-methyl-	420161.9	611-14-3	94.9	C9H12
9.6204	Ethanone, 1-cyclopropyl-2-(4-pyridinyl)-	7734.8	6580-95-6	74.0	C10H11NO
9.7789	Mesitylene	2644823.9	108-67-8	98.3	C9H12
9.8293	Urea, phenyl-	41358.1	64-10-8	57.1	C7H8N2O
10.2729	1-Methylene-2-benzyloxy-cyclopropane	74103.1	119819-29-3	55.7	C11H12O
10.2756	Mesitylene	512530.0	108-67-8	86.4	C9H12
10.2765	Mesitylene	499610.0	108-67-8	89.1	C9H12
10.3203	Cyclobutane, 1,2-dipropenyl-	108317.3	22769-00-2	65.0	C10H16
10.3507	Bicyclo[3.1.0]hex-2-ene, 4-methyl-1-(1-methylethyl)-	345650.7	28634-89-1	93.0	C10H16
10.5127	Benzaldehyde, 4-(1-phenyl-2-propenyloxy)-	42481.9	1000277-56-1	82.8	C16H14O2
10.6615	Benzoic acid, 3-methyl-, 3-methylbut-2-yl ester	8785.3	1000355-70-5	58.1	C13H18O2
10.6724	Benzene, (1,3,3-trimethylnonyl)-	48277.3	54986-44-6	71.7	C18H30
10.6738	3-Ethyl-3-methylheptane	20101.1	17302-01-1	73.6	C10H22
10.7993	.alpha.-Phellandrene, dimer	29821.2	7350-11-0	65.7	C20H32
10.8063	2-Methoxybenzyl alcohol, chlorodifluoroacetate	18269.0	1000447-26-7	63.5	C10H9ClF2O3
10.8109	Benzene, 1,4-diethyl-	135322.0	105-05-5	79.5	C10H14
10.8238	Benzene, 1,2,3,5-tetramethyl-	42043.1	527-53-7	73.7	C10H14
11.1723	4-Methylbenzoic acid, 3-chlorophenyl ester	27818.1	1000325-60-1	75.6	C14H11ClO2
11.2786	Benzene, 1-ethyl-2,4-dimethyl-	73762.3	874-41-9	88.8	C10H14
11.3459	Decane	106324.2	124-18-5	93.2	C10H22
11.3461	Nonane, 2-methyl-	67091.0	871-83-0	91.0	C10H22
11.4564	Pivalic acid, 2-tetrahydrofurylmethyl ester	4341.5	7461-07-6	58.8	C10H18O3
11.7878	2,3-Dimethyl-5-isopentylpyrazine	2455.0	18450-01-6	56.0	C11H18N2
12.2616	Isoflurophate	81955.6	55-91-4	51.4	C6H14FO3P
12.8513	Decane, 2,5,9-trimethyl-	92883.8	62108-22-9	92.4	C13H28
13.0569	Estragole	65720.4	140-67-0	76.1	C10H12O
13.3974	2-Heptyne-4-one	1836.0	71932-98-4	78.0	C7H10O
13.9753	3-Ethyl-3-methylheptane	23710.6	17302-01-1	56.9	C10H22
14.5041	2-Propanol, 1-[4-(1,1-dimethylethyl)phenoxy]-	5691.8	2416-30-0	53.8	C13H20O2
15.8021	Methyleugenol	56299.6	93-15-2	80.1	C11H14O2
16.1476	1-Butanamine, N-(2-pyridinylmethylene)-	10380.1	7032-24-8	64.6	C10H14N2
16.4595	6-Dodecanol	66112.4	6836-38-0	72.3	C12H26O
16.4725	Trichloroacetic acid, undecyl ester	220405.0	74339-49-4	60.2	C13H23Cl3O2
16.4725	(S)-(+)-6-Methyl-1-octanol	28105.3	110453-78-6	82.9	C9H20O
16.8073	Benzamide, 2-amino-N-(2-oxo-3-piperidyl)-	4242.0	84772-30-5	55.4	C12H15N3O2
17.1419	N-(2-Fluoro-5-nitrophenyl)-2-thiophenecarboxamide	2139.5	1000297-18-1	53.3	C11H7FN2O3S
17.1933	8-Methyltetrazolo[1,5-c]pyrimidin-5(6H)-one	8073.2	40595-05-9	54.0	C5H5N5O
17.3482	Valeric acid, 4-nitrophenyl ester	7539.7	1000307-98-9	65.2	C11H13NO4
17.7585	Phosphoric acid, trihexyl ester	16609.5	1000308-91-1	62.1	C18H39O4P
18.1027	9-Tetradecenal, (Z)-	123100.5	53939-27-8	75.9	C14H26O
18.1031	But-2-enamide, N-(2-fluorophenyl)-3-methyl-	26673.2	1000308-23-4	60.4	C11H12FNO
18.1154	Noramidopyrine	20359.3	519-98-2	60.0	C12H15N3O
18.2072	Ethyl 3,4-dimethoxy-N-(3-phthalimidopropionyl)-dl-phenylalaninate	2560.0	1000244-98-0	54.4	C24H26N2O7
18.2280	L-Pro-L-Tyr, N,O-di(methoxycarbonyl)-, methyl ester (isomer 2)	8761.0	1000467-70-4	58.3	C19H24N2O8
18.5113	Benzenamine, 2-(5-phenyl-2-oxazolyl)-	5535.0	1000319-41-1	58.2	C15H12N2O
18.6459	2-Formyl-4,5-dimethyl-pyrrole	2969.7	53700-95-1	50.7	C7H9NO
19.0698	Benzamide, 2-fluoro-N-(2-phenylethyl)-N-hexyl-	9167.9	1000451-54-5	62.4	C21H26FNO
19.1611	.beta.-Carboline, 6-methoxy-2-methyl-	73893.4	1000117-57-5	71.0	C13H12N2O

RT	Compound Name	Component Area	CAS#	Match Factor	Formula
19.1615	Thiophene-3-carbonitrile, 5-acetyl-4-amino-2-methylthio-	66892.4	116171-01-8	73.5	C8H8N2OS2
19.2332	2,6-Diisopropylnaphthalene	247787.6	24157-81-1	89.5	C16H20
19.2543	13-Oxabicyclo[10.1.0]tridecane	255078.8	286-99-7	91.5	C12H22O
19.2544	1H-Pyrazole, 3-ethyl-4,5-dihydro-	72445.2	5920-29-6	66.0	C5H10N2
19.2638	Cyclooctene, 3-(2-propenyl)-	76521.5	61141-59-1	58.2	C11H18
19.3038	Butafenacil	111797.4	134605-64-4	55.6	C20H18ClF3N2O6
19.3098	Benzofuran-5,6-diol-3-one, 2-benzylidene-	767726.6	1000128-65-2	56.7	C15H10O4
19.6769	2,6-Diisopropylnaphthalene	522947.8	24157-81-1	89.5	C16H20
19.6974	6-Amino-1,3-dimethyluracil	53804.2	6642-31-5	52.6	C6H9N3O2
19.7534	1H-Pyrazole, 3,4-bis(trimethylsilyl)-	120166.8	16037-45-9	60.6	C9H20N2Si2
19.7594	9H-Xanthene	40246.5	92-83-1	63.8	C13H10O
19.9667	4-Fluorobenzoic acid. oct-3-en-2-yl ester	1483.7	1000299-15-4	60.0	C15H19FO2
19.9824	1,10-Undecadiene	41370.6	13688-67-0	83.5	C11H20
20.0579	1,2-Dihydro-3,6-diphenyl-S-tetrazine	9910.9	14478-73-0	56.7	C14H12N4
20.2201	9-Tetradecen-1-ol, acetate, (E)-	130192.6	23192-82-7	90.6	C16H30O2
20.3573	cis-9-Hexadecenal	563688.3	56219-04-6	96.7	C16H30O
20.3591	3,7-Decadien-2-one, 10-(3,3-dimethyloxiranyl)-4,8-dimethyl-, (E,E)-.+/-.-	201986.5	106929-52-6	51.6	C16H26O2
20.4607	5,7-Dihydroxy-3,6,8-trimethoxyflavone	1470.6	71479-92-0	63.8	C18H16O7
20.5183	Silane, dimethyl(4-(2-phenylprop-2-yl)phenoxy)butoxy-	20850.4	1000347-18-8	69.0	C21H30O2Si
21.0604	2(3H)-Furanone, dihydro-3-methylene-5,5-diphenyl-	1861.4	29043-99-0	58.1	C17H14O2
21.0760	Phthalic acid, heptadecyl pent-4-enyl ester	45778.3	1000360-47-6	65.1	C30H48O4
21.3348	Pentanoic acid	119135.2	109-52-4	60.2	C5H10O2
21.3990	Glutaric acid, 3-nitrophenyl pentyl ester	14516.2	1000358-89-0	62.8	C16H21NO6
21.4324	Glutaric acid, hept-2-yl 4-nitrophenyl ester	25351.1	1000391-97-5	67.5	C18H25NO6
21.4584	Adipic acid, 2-decyl hexyl ester	73906.8	1000353-60-0	60.4	C22H42O4
21.4771	6-Isopropyl-3-phenoxytropolone	180896.2	2904-79-2	50.4	C16H16O3
21.9316	(2S,4R,6R)-2-Methyl-6-nonylpiperidin-4-ol	93845.6	264149-05-5	68.9	C15H31NO
21.9338	2-Octene, 4-ethyl-, (E)-	153205.3	74630-09-4	64.2	C10H20
22.0194	Phthalic acid, pentyl tridec-2-yn-1-yl ester	14579.6	1000315-43-8	74.2	C26H38O4
22.0200	Z,E-7,11-Hexadecadien-1-yl acetate	200319.3	51607-94-4	73.2	C18H32O2
22.0204	Phthalic acid, heptyl tridec-2-yn-1-yl ester	23500.2	1000315-44-0	73.2	C28H42O4
22.0701	3-Formyl-4,5-dimethyl-pyrrole	9771.0	1000145-89-7	66.9	C7H9NO
22.2319	cis,cis- and cis,trans-1,9-dimethylspiro[4.5]decane	20566.0	1000111-72-5	77.6	C12H22
22.8379	Silane, diethyl(2-methylpent-3-yloxy)propoxy-	10113.1	1000363-77-2	66.1	C13H30O2Si
23.4300	Benzene, pentafluoro(trifluoromethyl)-	19422.9	434-64-0	52.9	C7F8
23.5357	Glutaric acid, hept-2-yl 3-nitrophenyl ester	33791.7	1000392-31-4	51.4	C18H25NO6
25.2849	Adamantane, 1-acetyl-2,2-ethylenedioxy-	19481.4	1000210-57-1	51.5	C14H20O3
27.1366	Benzaldehyde, 2-hydroxy-3,6-dimethyl-4-(phenylmethoxy)-	7678.1	34883-16-4	61.5	C16H16O3
27.1367	Benzene, [2-methyl-1-(1-methylethyl)propyl]-	6043.4	21777-84-4	64.7	C13H20
28.4323	Piperonylcyanoacetic acid hydrazide	1105.2	14731-76-1	56.5	C11H11N3O3

NBAIR, BANGALORE

Agilent | Trusted Answers

Batch Path	D:\MassHunter\GCMS\1\data\2020\DEEPA F		
Analyst Name	DEEPA CONOPOMORPHA SINENSIS 9.uaf		
Analysis Time	02-07-2022 18:28:37		
File Name	CONOPOMORPHA SINENSIS9.D	**Path Name**	D:\MassHunter\GCMS\1\data\2020\DEEPA F
Sample Name	S03MCS	**Sample Type**	Sample
Acq. Method File	Deepa method.M	**Acq. Method Path**	D:\MassHunter\GCMS\1\methods
Acq. Date-Time	02-07-2022 17:54:23	**Acq. Operator**	Deepa bhagat
Instrument Name	NBAIR-GCMS	**Dil.**	1



RT	Compound Name	Component Area	CAS#	Match Factor	Formula
3.1160	4-Penten-2-one, 4-methyl-	195572.1	3744-02-3	60.9	C6H10O
3.1286	Ethylenimine	781607.3	151-56-4	62.8	C2H5N
3.1293	(S)-4-Ethyl-2-oxazolidone	446729.8	13896-06-5	61.9	C5H9NO2
3.3300	2-Fluoroimidazole	1159149.8	57212-34-7	67.8	C3H3FN2
3.3382	Pentane, 3-methyl-	58168349.8	96-14-0	90.6	C6H14
3.3384	Pentane, 2,2,3-trimethyl-	54492074.1	564-02-3	87.7	C8H18
3.4318	Propanoic acid, anhydride	3605672.8	123-62-6	87.4	C6H10O3
3.4330	3-Pentanone	8267521.0	96-22-0	74.5	C5H10O
3.5448	N-(2-Amino-1H-1,3-benzodiazol-5-yl)benzenesulfonamide	5573.7	1000436-18-1	53.2	C13H12N4O2S
3.5767	5-Chloromethyl-2-oxazolidinone	199120.1	22625-57-6	59.0	C4H6ClNO2
3.6305	1-Oxa-3,4-diazacyclopentadiene	666893.0	288-99-3	82.7	C2H2N2O
3.6625	Butanoic acid, pent-2-en-4-ynyl ester	224401.8	1000299-11-9	55.7	C9H12O2
3.6765	Cyclopentane, methyl-	27087025.7	96-37-7	69.1	C6H12
3.6971	Isobutane	54185429.0	75-28-5	90.3	C4H10
3.8705	1,3-Benzenediol, o-(4-ethylbenzoyl)-o'-(3-methylbenzoyl)-	1813.6	1000330-83-6	59.9	C23H20O4
4.2580	Furan, tetrahydro-3-methyl-	3006128.0	13423-15-9	69.5	C5H10O
4.3086	Oxazole	10185233.8	288-42-6	68.3	C3H3NO
4.3421	Trimethylene oxide	2741983.1	503-30-0	87.4	C3H6O
4.3724	Butanenitrile, 2-methyl-	7604250.0	18936-17-9	79.5	C5H9N
4.3842	N-Methyl methacrylamide	2319558.5	3887-02-3	83.3	C5H9NO
4.4126	Celesticetin	49545.4	2520-21-0	61.0	C24H36N2O9S
4.4128	1,2,4-Triazolo[4,3-b]pyridazine	5361.6	274-83-9	60.4	C5H4N4
4.4579	anti-2-Acetoxyacetaldoxime	3165278.7	37858-07-4	66.9	C4H7NO3
4.5798	Ethyl 2,4-dioxovalerate	2176296.4	615-79-2	57.3	C7H10O4
4.6084	1H-Tetrazol-5-amine	69024589.7	4418-61-5	86.8	CH3N5
4.6505	2-Ethylhexanal ethylene glycol acetal	46212.3	1000431-01-2	70.2	C10H20O2
4.7126	2-Propynenitrile, 3-fluoro-	52684541.0	32038-83-8	98.0	C3FN
4.7388	Cyclopropane	87317984.1	75-19-4	92.7	C3H6
4.7567	p-Dioxane, 2,5-divinyl-	17321470.9	21485-51-8	63.4	C8H12O2
4.7695	2-Butyne, 1,1-dimethoxy-	33961248.2	22022-34-0	65.3	C6H10O2
4.7774	2-Propenal	152654838.2	107-02-8	84.6	C3H4O
4.7924	Pipradrol	1160737.1	467-60-7	58.0	C18H21NO
4.9019	Benzene, 1,1'-(1-phenyl-1,2-ethenediyl)bis[4-methoxy-	20534.5	25346-95-6	54.8	C22H20O2
4.9155	Cyclohexane	88577259.3	110-82-7	99.5	C6H12
4.9336	Hexanal benzyl ethyl acetal	13661.1	1000431-43-1	62.0	C15H24O2
4.9917	Heneicosane, 11-phenyl-	82316.7	6703-80-6	56.8	C27H48
5.1424	3-Hexanone	256553.8	589-38-8	87.1	C6H12O
5.5028	Butane, 1-bromo-	32499.5	109-65-9	72.2	C4H9Br
6.0567	Toluene	549354.3	108-88-3	97.2	C7H8
6.1858	2-Thiopheneethanol	6255.5	5402-55-1	80.8	C6H8OS
6.5671	l-Alanine, N-(2,6-difluorobenzoyl)-, hexyl ester	1272.1	1000314-02-8	80.6	C16H21F2NO3
6.7791	Succinic acid, 2-methylpent-3-yl tetrahydrofurfuryl ester	1923.0	1000390-71-5	57.0	C15H26O5
7.7630	Benzene, 1,3-dimethyl-	75150.4	108-38-3	89.3	C8H10
7.7658	Ethylbenzene	76780.3	100-41-4	90.9	C8H10

RT	Compound Name	Component Area	CAS#	Match Factor	Formula
8.1327	Acetonitrile, dichlorofluoro-	15638.6	353-82-2	63.6	C2Cl2FN
8.1439	Ethylbenzene	147470.2	100-41-4	96.1	C8H10
8.6206	Benzene, (1-methylethyl)-	613805.4	98-82-8	95.0	C9H12
8.6258	Fumaronitrile	123586.9	764-42-1	81.8	C4H2N2
8.7447	.alpha.-Pinene	10633097.2	80-56-8	99.2	C10H16
8.8379	Difluoro(methylamino)phosphine sulfide	671.7	1000306-16-8	61.0	CH4F2NPS
8.8766	Bicyclo[3.2.0]hepta-2,6-diene	2082338.9	2422-86-8	60.8	C7H8
8.8771	Toluene	1486194.1	108-88-3	55.2	C7H8
8.8805	Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	5339316.3	4889-83-2	96.5	C10H16
9.0184	4-Isobutylpyrimidine	40888.8	98489-37-3	62.1	C8H12N2
9.1424	Benzene, propyl-	158615.5	103-65-1	87.7	C9H12
9.2688	4,6-Octadiyn-3-one, 2-methyl-	168339.8	29743-33-7	71.0	C9H10O
9.2765	Hexane, 3,3,4,4-tetrafluoro-	257748.5	648-36-2	50.1	C6H10F4
9.2765	2-Propenal, 3-(2-pyridinylamino)-	215463.8	68970-82-1	50.3	C8H8N2O
9.2822	Benzene, 1-ethyl-2-methyl-	1645393.0	611-14-3	96.8	C9H12
9.3786	Benzene, 1,2,3-trimethyl-	492544.5	526-73-8	87.3	C9H12
9.4927	Pyrrolidine-1-acetonitrile, 2,5-dioxo-	25318.7	61516-81-2	63.6	C6H6N2O2
9.4967	.beta.-Pinene	20566624.0	127-91-3	98.7	C10H16
9.5885	Propane, 2-bromo-1-chloro-	3559050.3	3017-95-6	63.7	C3H6BrCl
9.5913	Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-, (1S)-	11321675.8	18172-67-3	96.9	C10H16
9.7494	Oxalic acid, butyl propyl ester	14027.1	1000309-25-6	71.9	C9H16O4
9.8168	Mesitylene	2026843.4	108-67-8	98.6	C9H12
9.8189	Ethanone, 2,2-dichloro-1-(4-methylphenyl)-	503688.1	4974-59-8	60.7	C9H8Cl2O
10.3097	Benzene, 1,2,3-trimethyl-	366031.7	526-73-8	81.0	C9H12
10.3133	2-Aminohydratropic acid	113830.5	565-07-1	52.9	C9H11NO2
10.3709	.beta.-Phellandrene	1046527.2	555-10-2	94.4	C10H16
10.4281	Eperisone	3713.2	64840-90-0	57.5	C17H25NO
10.5515	Succinic acid, 3-chlorophenyl 3-phenylprop-2-en-1-yl ester	43749.7	1000391-04-7	73.4	C19H17ClO4
10.6588	1-Butene, 1,1,2,3,3,4,4,4-octafluoro-	6613.4	357-26-6	59.0	C4F8
10.6853	Hexane, 3,3-dimethyl-	85104.0	563-16-6	91.4	C8H18
10.7803	Heptane, 2,4-dimethyl-	6011.7	2213-23-2	83.3	C9H20
10.7835	Decane, 2,3,6-trimethyl-	8103.7	62238-12-4	83.5	C13H28
10.8391	Benzene, 2-ethyl-1,4-dimethyl-	69819.6	1758-88-9	84.7	C10H14
11.2890	Phosphinic amide, N,N-dimethyl-, bis(2-phenylhydrazino)-	23383.1	62729-72-0	56.8	C14H20N5OP
11.3054	Benzene, 1-methyl-3-(1-methylethyl)-	134008.8	535-77-3	82.2	C10H14
11.3120	2-Benzoxazolamine	49727.8	4570-41-6	52.8	C7H6N2O
11.3868	Hexane, 2,3,4-trimethyl-	12574.7	921-47-1	92.9	C9H20
11.4438	Hexane, 2,3,4-trimethyl-	51628.7	921-47-1	81.9	C9H20
11.4578	Heptyl N,N-dimethylphosphoramidocyanidate	49663.3	162085-91-8	62.2	C10H21N2O2P
11.6629	Nonane, 4-methyl-	16467.6	17301-94-9	63.9	C10H22
11.7661	(Chloromethyl)dimethyl(prop-1-yn-1-yl)silane	3542.3	1000390-26-6	50.5	C6H11ClSi
11.8020	3-Acetyl-1H-pyrroline	918.9	1072-82-8	71.6	C6H7NO
12.3046	4-Pentenoic acid, 2,2-diethyl-3-oxo-5-phenyl-, ethyl ester	7683.6	337503-48-7	76.0	C17H22O3
12.4365	Succinic acid, naphth-2-ylmethyl 2,3,4-trifluorophenyl ester	5274.9	1000390-77-3	59.0	C21H15F3O4
12.5567	Ethane, 1,2-dibromo-	7425.1	106-93-4	53.0	C2H4Br2
12.5787	Difluoro(methylamino)phosphine sulfide	1682.8	1000306-16-8	62.1	CH4F2NPS
12.8618	Dodecane	211234.4	112-40-3	93.7	C12H26
13.0363	6-Methyl-triazolo(2,3-b)(1,2,4)-triazine	21832.9	61139-75-1	62.7	C5H5N5
13.0369	Bicyclo[3.1.0]hexane, 6-methylene-	15103.6	54211-16-4	72.1	C7H10
13.0604	Bicyclo[3.2.0]hept-6-ene	46862.1	4927-03-1	56.4	C7H10
13.0719	d-Proline, N-methoxycarbonyl-, pentyl ester	42305.4	1000320-78-8	69.7	C12H21NO4
14.0048	Hexane, 3,3-dimethyl-	88055.1	563-16-6	89.7	C8H18
14.0060	2-Hexanone, 6-bromo-	26124.7	10226-29-6	66.1	C6H11BrO
14.0189	4-Octanone	473801.2	589-63-9	58.6	C8H16O
14.0883	Propan-1-one, 2-amino-3-phenyl-1-(piperidin-1-yl)-	2785.7	1000316-73-2	57.2	C14H20N2O
14.1287	Borane, diethyl(decyloxy)-	12635.8	1000152-34-3	67.3	C14H31BO
14.1935	Hexane, 3,3-dimethyl-	15618.7	563-16-6	64.5	C8H18
14.2798	Undecane, 4,8-dimethyl-	32476.2	17301-33-6	65.2	C13H28
14.2853	Undecane, 4,8-dimethyl-	7602.3	17301-33-6	72.5	C13H28
14.6058	Hexane, 3,3-dimethyl-	13734.6	563-16-6	85.3	C8H18
14.6087	Decane, 2,3,6-trimethyl-	22319.6	62238-12-4	86.0	C13H28
14.7377	Dimethylmalonic acid, monochloride, neopentyl ester	10086.0	1000361-76-0	57.9	C10H17ClO3
14.7511	Decane, 2,3,5-trimethyl-	48249.6	62238-11-3	63.1	C13H28
14.8874	Succinic acid, tridec-2-yn-1-yl tetrahydrofurfuryl ester	8282.1	1000390-72-9	52.4	C22H36O5
15.0064	Decane, 3-bromo-	16508.1	30571-71-2	72.3	C10H21Br
15.0115	Borane, diethyl(decyloxy)-	36943.8	1000152-34-3	68.7	C14H31BO

RT	Compound Name	Component Area	CAS#	Match Factor	Formula
15.1180	Ethanone, 1-(4,5-dihydro-2-thiazolyl)-	3899.0	29926-41-8	50.7	C5H7NOS
15.2290	Tetradecane, 1-chloro-	43354.2	2425-54-9	73.3	C14H29Cl
15.5131	2-Fluoropyridine	4691.0	372-48-5	59.0	C5H4FN
15.5147	Thiocyanic acid, 2-propynyl ester	4357.3	24309-48-6	64.3	C4H3NS
15.5365	1,4-Methanophthalazine, 1,4,4a,7,8,8a-hexahydro-9,9-dimethyl-, (1.alpha.,4.alpha.,4a.alpha.,8a.alpha.)-	31862.9	1000221-84-9	61.1	C11H16N2
15.5486	Benzenamine, 2-(2,4,5-trichlorophenylsulfonylamino)-5-methyl-	14867.3	1000264-15-5	53.5	C13H11Cl3N2O2S
15.6040	Tetradecane	494524.0	629-59-4	97.8	C14H30
15.8389	3-Amino-3-p-tolyl-propionic acid ethyl ester	4908.3	94104-32-2	59.4	C12H17NO2
15.8392	Benzenamine, N-ethyl-3-methyl-	10686.8	102-27-2	57.1	C9H13N
15.8398	Benzylphenethylamine, N-methoxycarbonyl-	55675.7	1000343-98-4	63.5	C17H19NO2
15.8404	Benzene, 1,2-dimethoxy-4-(1-propenyl)-, (E)-	65092.7	6379-72-2	65.9	C11H14O2
16.0230	Longifolene	569241.1	475-20-7	96.9	C15H24
16.3885	1H-Pyrrole-2,5-dione	9981.3	541-59-3	58.1	C4H3NO2
16.6344	Nonane, 4,5-dimethyl-	72484.1	17302-23-7	77.7	C11H24
16.7627	1,5-Heptadien-4-one, 3,3,6-trimethyl-	3303.5	546-49-6	53.5	C10H16O
16.7638	Tetrahydropyrrolo[2,1-c][1,4]oxazin-4-one	15296.6	101250-37-7	62.8	C7H11NO2
16.7646	Decane, 2,3,6-trimethyl-	92337.6	62238-12-4	82.3	C13H28
16.9248	2-Phenylacetamide, N-(1-phenyl-2-propyl)-	31780.7	1000223-70-1	70.9	C17H19NO
16.9250	propanenitrile, 3-(2-phenylhydrazinyl)-	57995.6	1000404-41-4	72.4	C9H11N3
17.1796	Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-, methylcarbamate	18270.9	1918-11-2	74.0	C17H25NO2
17.3555	4-Heptanone, 2-methyl-	16834.8	626-33-5	83.2	C8H16O
17.4609	3-Hexanone, 2,5-dimethyl-	25910.2	1888-57-9	84.5	C8H16O
17.5106	Heptane, 4,4-dimethyl-	17520.8	1068-19-5	76.7	C9H20
17.6585	2-Dichlormethylthiophene	2430.4	36953-55-6	59.2	C5H4Cl2S
17.6915	Pentanethioic acid, S-propyl ester	99003.5	2432-76-0	68.2	C8H16OS
17.6940	2,2,6,6-Tetramethylheptane	71073.4	40117-45-1	70.3	C11H24
17.8908	Diethyl 2,2'-(2,2'-oxybis(ethane-2,1-diyl)bis(oxy))diacetate	10349.8	1000366-88-7	55.5	C12H22O7
17.9562	Cyclopentane, 1,1,3-trimethyl-	16269.8	4516-69-2	89.7	C8H16
18.0346	Hexadecane	364004.6	544-76-3	96.6	C16H34
18.1386	Cyclopentane, 1-ethyl-1-methyl-	25286.1	16747-50-5	86.3	C8H16
18.1828	Benzoic acid, 2-(3-nitrophenyl)ethyl ester	11657.6	1000368-22-4	71.9	C15H13NO4
18.7660	Propionitrile, 3-[(isochroman-1-ylmethyl)amino]-	657.4	1000302-78-5	61.2	C13H16N2O
18.9764	5-Methylthiopyridin-2-ol	4080.1	18108-72-0	55.9	C6H7NOS
19.0407	Pentedrone, N-acetyl-	4080.4	1000448-38-9	58.8	C14H19NO2
19.2748	Hexane, 3,3-dimethyl-	13376.9	563-16-6	69.8	C8H18
19.2759	Furazan-3-amine, 4-methoxy-	86921.8	78350-48-8	69.9	C3H5N3O2
19.3368	Benzofuran-5,6-diol-3-one, 2-benzylidene-	855821.3	1000128-65-2	61.7	C15H10O4
19.3973	1-Methylcyclohexyl 2,3,4,5,6-pentafluorobenzoate	30514.9	1000372-87-4	54.3	C14H13F5O2
19.6121	Propanoic acid, 2,2-dimethyl-, pentyl ester	15667.2	2313-68-0	65.7	C10H20O2
19.7057	3-Phenyl-4-hydroxyacetophenone	98465.9	21424-82-8	61.4	C14H12O2
19.7746	Thiophene-3-carbonitrile, 5-acetyl-4-amino-2-methylthio-	109815.0	116171-01-8	68.3	C8H8N2OS2
19.9265	Hexadecane, 1-iodo-	17197.3	544-77-4	64.5	C16H33I
20.0164	n-Decanoic acid	33405.6	334-48-5	67.6	C10H20O2
20.1694	Methyl 2-thienylacetate	3157.2	19432-68-9	61.0	C7H8O2S
20.2335	Hexadecane	128114.2	544-76-3	92.9	C16H34
20.3814	Heptylcyclohexane	55020.9	5617-41-4	88.2	C13H26
20.4253	(1H)Pyrrole-3-carbonitrile, 2-methyl-	4905.5	26187-27-9	65.2	C6H6N2
20.6641	3-Methylene-7,11-dimethyl-1-dodecene	72094.7	1000432-21-6	88.7	C15H28
20.7546	2-Hexadecanone	39884.4	18787-63-8	82.2	C16H32O
20.7546	4,6-Dimethylheptan-2-one	39205.9	790248-21-4	81.6	C9H18O
20.9171	1-(3-Aminopropyl)imidazole	8004.0	5036-48-6	69.5	C6H11N3
21.0387	Xylose	11822.5	58-86-6	52.1	C5H10O5
21.0922	Phthalic acid, butyl 2-pentyl ester	27121.8	1000315-47-6	71.7	C17H24O4
21.0952	Phthalic acid, butyl tetradecyl ester	92092.9	1000308-91-3	67.7	C26H42O4
21.3492	Diethylene glycol, O,O-di(pivaloyl)-	6173.2	1000308-76-7	68.6	C14H26O5
21.4624	1-Propanol, 3-(methylthio)-	13424.9	505-10-2	52.5	C4H10OS
21.4770	2-Methyl-3-nitrophenyl .beta.-phenylpropionate	19319.9	40300-01-4	61.6	C16H15NO4
21.4785	2-(1-Phenylethyl)-6-isopropyl-1,3-dioxane	63225.9	1000431-40-0	57.1	C15H22O2
21.5257	Nonanoic acid	233071.5	112-05-0	75.9	C9H18O2
21.9868	Methylphosphonic acid, fluoroanhydride, cyclooctyl ester	227030.0	14719-38-1	58.4	C9H18FO2P
21.9927	n-Hexadecanoic acid	1599964.0	57-10-3	97.2	C16H32O2

RT	Compound Name	Component Area	CAS#	Match Factor	Formula
22.0277	Phthalic acid, pentyl tridec-2-yn-1-yl ester	20850.9	1000315-43-8	68.8	C26H38O4
22.1742	2-Thiopheneacetic acid, cyclohexyl ester	9786.6	1000278-95-9	54.4	C12H16O2S
22.2067	Sulfurous acid, 2-ethylhexyl hexyl ester	37767.4	1000309-20-2	61.2	C14H30O3S
22.2103	Borane, diethyl(decyloxy)-	45009.9	1000152-34-3	64.5	C14H31BO
22.4263	Heneicosylcyclohexane	10692.2	26718-82-1	64.2	C27H54
22.4280	Cyclohexane, decyl-	11475.1	1795-16-0	59.8	C16H32
22.5335	Ethyltetrafluorophosphorane	7037.5	1000306-13-5	55.9	C2H5F4P
22.9963	Decanoic acid, 3-hexenyl ester, (Z)-	43541.1	85554-69-4	69.8	C16H30O2
23.0254	s-Indacene-1,7-dione, 2,3,5,6-tetrahydro-3,3,5,5-tetramethyl-	49512.4	55591-17-8	63.6	C16H18O2
23.0273	Malonamide, 2-(propylamino)-N,N'-diheptyl-N,N'-dimethyl-	23036.8	1000196-15-4	68.0	C22H45N3O2
23.3761	Phytol	89678.6	150-86-7	84.6	C20H40O
23.3765	3-Methyl-2-(3-methylpentyl)-3-buten-1-ol	107954.9	13066-54-1	83.6	C11H22O
23.4015	3-Octyne-2,5-dione, 6,6,7-trimethyl-	16273.2	63922-61-2	81.6	C11H16O2
23.6429	Cyclohexene, 3-(bromomethyl)-	134958.7	34825-93-9	71.4	C7H11Br
23.6431	Bicyclo[2.2.1]heptane, 2-(1-buten-3-yl)-	139622.6	55170-90-6	67.1	C11H18
23.6439	9,12-Octadecadienoic acid (Z,Z)-	490039.1	60-33-3	87.3	C18H32O2
23.6801	Benzene, 4-iodo-1,2-dimethoxy-	36762.0	5460-32-2	54.0	C8H9IO2
23.6814	Methyl 2,3-epoxy-4-phenylbutanoate	15612.1	1000432-17-6	59.1	C11H12O3
23.7831	Pyrazine, 3,5-dimethyl-2-propyl-	64173.0	32350-16-6	50.4	C9H14N2
23.8529	5-Ethyl-4-nonanol	66165.1	19780-73-5	77.3	C11H24O
23.8531	Nonanoic acid	65209.1	112-05-0	74.7	C9H18O2
24.0147	Cetene	140434.0	629-73-2	87.6	C16H32
24.2501	2-Heptyne-4-one	19915.6	71932-98-4	58.0	C7H10O
24.2566	Phenylacetic acid, dodec-9-ynyl ester	31496.6	1000282-91-4	59.5	C20H28O2
24.8499	Benzene, fluoro-	6761.5	462-06-6	65.2	C6H5F
24.8997	Cyclohexane, (1-methylethyl)-	36172.1	696-29-7	83.2	C9H18
24.8998	Cyclohexane, 2-propenyl-	72672.1	2114-42-3	80.0	C9H16
25.0743	Borane, diethyl(decyloxy)-	1647.7	1000152-34-3	76.6	C14H31BO
25.3652	Difluorophosphoric acid	7824.4	13779-41-4	70.1	F2HO2P
25.7063	Furan, 2-(2-ethoxy-1-methoxyethyl)-	24916.7	72403-07-7	56.4	C9H14O3
25.7393	Phosphonofluoridic acid, methyl-, nonyl ester	121578.5	211192-74-4	71.0	C10H22FO2P
25.7399	n-Heptyl methylphosphonofluoridate	87487.5	162085-82-7	74.1	C8H18FO2P
25.7591	1,2,5-Dimethoxy-1,2,4-triazole	50726.6	1000288-71-4	66.2	C4H7N3O2
26.0203	Dichloroacetic acid, nonyl ester	109028.5	83004-99-3	89.4	C11H20Cl2O2
27.2868	Cyclohexane, octyl-	46973.5	1795-15-9	67.4	C14H28
27.3107	Sulfurous acid, di(cyclohexylmethyl) ester	42271.3	1000309-22-7	71.5	C14H26O3S
27.3114	Cyclohexane, octadecyl-	29501.1	4445-06-1	71.4	C24H48
28.1955	Phthalic acid, bis(2-pentyl) ester	24407.7	1000315-48-5	55.0	C18H26O4

	Control	Product 1	Product 2
1st week	1.8964	1.9674	1.9781
2nd week	0	1.967	1.9776
3rd week		1.9664	1.9769
4th week		1.9658	1.9763
5th week		1.9655	1.9758
6th week		1.9647	1.9756
7th week		1.9643	1.9747
8th week		1.9638	1.9739
9th week		1.9631	1.9733
10th week		1.9626	1.9725
11th week		1.9624	1.9718

	Control	Product 1	Product 2
1st week	100	0.02	0.02
2nd week	0	0.05	0.06
3rd week	0	0.08	0.09
4th week	0	**0.1**	0.11
5th week	0	0.14	0.12
6th week	0	**0.16**	0.17
7th week	0	**0.18**	0.21
8th week	0	**0.22**	0.24
9th week	0	**0.24**	0.28
10th week	0	**0.25**	0.31