





No.	R. T.	S%	Spectrum Library/ID	Reference#	CAS#	Match
1	6.728	8.55	C:\MassHunter\Library\NIST14.L Phenol Phenol Phenol	2620 2621 2619	000108-95-2 000108-95-2 000108-95-2	94 91 91
2	8.752	0.91	C:\MassHunter\Library\NIST14.L Phenol, 2-methyl- Phenol, 3-methyl- Phenol, 3-methyl-	5476 5469 5472	000095-48-7 000108-39-4 000108-39-4	94 83 52
3	9.228	2.33	C:\MassHunter\Library\NIST14.L p-Cresol Phenol, 3-methyl- p-Cresol	5464 5469 5461	000106-44-5 000108-39-4 000106-44-5	97 96 96
4	11.646	0.53	C:\MassHunter\Library\NIST14.L Silane, cyclohexyldimethoxymethyl- Silane, dimethoxydimethyl- Silane, dimethoxydimethyl-	55014 9350 9351	017865-32-6 001112-39-6 001112-39-6	87 47 40
5	14.451	0.38	C:\MassHunter\Library\NIST14.L Octane, 2,4,6-trimethyl- Heptane, 2,4-dimethyl- Tetradecane, 1-iodo-	29378 12960 181794	062016-37-9 002213-23-2 019218-94-1	59 52 49
6	14.892	0.74	C:\MassHunter\Library\NIST14.L Nonane, 5-methyl-5-propyl- Dodecane, 4,6-dimethyl- Octane, 5-ethyl-2-methyl-	51475 63643 29382	017312-75-3 061141-72-8 062016-18-6	80 72 72
7	15.122	0.21	C:\MassHunter\Library\NIST14.L Dodecane Tetradecane Tridecane, 1-iodo-	39973 63625 168440	000112-40-3 000629-59-4 035599-77-0	87 86 80
8	15.269	0.41	C:\MassHunter\Library\NIST14.L Indole Indole Benzyl nitrile	8731 8734 8743	000120-72-9 000120-72-9 000140-29-4	91 90 60
9	15.475	0.20	C:\MassHunter\Library\NIST14.L Octane, 2-methyl- Dodecane, 1-iodo- Tridecane, 1-iodo-	12950 154845 168440	003221-61-2 004292-19-7 035599-77-0	64 59 59
10	16.116	0.45	C:\MassHunter\Library\NIST14.L Dodecane Decane, 3,7-dimethyl- Sulfurous acid, hexyl pentyl ester	39972 39995 97941	000112-40-3 017312-54-8 1000309-14-1	91 72 64
11	18.022	0.26	C:\MassHunter\Library\NIST14.L Tetradecane Tetradecane Tetradecane	63622 63623 63625	000629-59-4 000629-59-4 000629-59-4	98 96 96
12	18.263	1.69	C:\MassHunter\Library\NIST14.L Tetradecanal Dodecanal Dodecanal	76509 51252 51251	000124-25-4 000112-54-9 000112-54-9	98 98 91
13	18.586	0.36	C:\MassHunter\Library\NIST14.L Heneicosane	155888	000629-94-7	86

			Nonadecane, 9-methyl-	142247	013287-24-6	86
			Hexacosane	217890	000630-01-3	86
14	19.345	0.39	C:\MassHunter\Library\NIST14.L 2-methyloctacosane	242320	1000376-72-8	80
			Octadecane, 1-iodo-	226952	000629-93-6	74
			Decane, 3,8-dimethyl-	40006	017312-55-9	74
15	19.580	0.66	C:\MassHunter\Library\NIST14.L Hexadecane	89842	000544-76-3	91
			Hentriacontane	252712	000630-04-6	86
			Decane, 2,3,6-trimethyl-	51446	062238-12-4	80
16	19.739	0.20	C:\MassHunter\Library\NIST14.L Tetradecane, 1-iodo-	181793	019218-94-1	72
			Decane, 3,8-dimethyl-	40006	017312-55-9	64
			Nonadecane, 9-methyl-	142247	013287-24-6	58
17	19.921	13.74	C:\MassHunter\Library\NIST14.L 1-Decene	18385	000872-05-9	95
			1-Dodecanol	53012	000112-53-8	95
			1-Dodecanol	53008	000112-53-8	95
18	20.286	0.78	C:\MassHunter\Library\NIST14.L Hexadecane	89842	000544-76-3	86
			Pentadecane	76609	000629-62-9	83
			Heptadecane	102598	000629-78-7	83
19	20.427	1.36	C:\MassHunter\Library\NIST14.L Dodecane, 2,6,11-trimethyl-	76619	031295-56-4	59
			Heptadecane	102600	000629-78-7	59
			Sulfurous acid, 2-ethylhexyl isohe xyl ester	137919	1000309-19-0	58
20	20.651	0.27	C:\MassHunter\Library\NIST14.L 1-Iodo-2-methylundecane	154846	073105-67-6	72
			Octadecane, 1-iodo-	226953	000629-93-6	72
			Octane, 2,4,6-trimethyl-	29378	062016-37-9	64
21	20.833	2.39	C:\MassHunter\Library\NIST14.L 2,4-Di-tert-butylphenol	70632	000096-76-4	96
			Phenol, 2,5-bis(1,1-dimethylethyl)	70651	005875-45-6	95
			2,4-Di-tert-butylphenol	70634	000096-76-4	95
22	21.092	0.18	C:\MassHunter\Library\NIST14.L Sulfurous acid, pentadecyl 2-propy l ester	191792	1000309-12-6	72
			Sulfurous acid, 2-propyl tridecyl ester	164999	1000309-12-4	64
			Disulfide, di-tert-dodecyl	239746	027458-90-8	64
23	21.268	0.45	C:\MassHunter\Library\NIST14.L Tetratetracontane	273586	007098-22-8	87
			Hentriacontane	252712	000630-04-6	87
			Heptacosane	227468	000593-49-7	86
24	21.492	0.62	C:\MassHunter\Library\NIST14.L Heneicosane	155888	000629-94-7	80
			Dodecane, 1-iodo-	154845	004292-19-7	64
			Hexane, 2,3,4-trimethyl-	12990	000921-47-1	58
25	22.857	0.20	C:\MassHunter\Library\NIST14.L			

			Hexadecane	89843	000544-76-3	94
			Hexadecane	89840	000544-76-3	92
			Hexadecane	89838	000544-76-3	92
26	23.186	0.14	C:\MassHunter\Library\NIST14.L			
			Tridecanol, 2-ethyl-2-methyl-	104449	1000115-66-1	52
			Pentacosane	207499	000629-99-2	52
			Heneicosane	155888	000629-94-7	52
27	23.674	0.47	C:\MassHunter\Library\NIST14.L			
			Heneicosane	155888	000629-94-7	87
			2-Bromo dodecane	109279	013187-99-0	87
			Hexadecane	89844	000544-76-3	86
28	24.068	0.98	C:\MassHunter\Library\NIST14.L			
			Tributyl phosphate	126012	000126-73-8	83
			Tributyl phosphate	126014	000126-73-8	80
			Tributyl phosphate	126016	000126-73-8	80
29	24.204	0.44	C:\MassHunter\Library\NIST14.L			
			Dodecane, 2-methyl-	51414	001560-97-0	91
			Decane, 2,3,7-trimethyl-	51447	062238-13-5	86
			Nonadecane	128834	000629-92-5	83
30	24.662	1.02	C:\MassHunter\Library\NIST14.L			
			Heneicosane	155887	000629-94-7	90
			Heneicosane	155888	000629-94-7	87
			Tetracosane	195669	000646-31-1	86
31	24.815	0.47	C:\MassHunter\Library\NIST14.L			
			Nonadecane	128835	000629-92-5	90
			Hexadecane	89844	000544-76-3	80
			Heneicosane	155888	000629-94-7	80
32	24.939	0.28	C:\MassHunter\Library\NIST14.L			
			Hexacosane	217890	000630-01-3	87
			Octacosane	235614	000630-02-4	81
			Triacontane	247876	000638-68-6	72
33	25.139	0.81	C:\MassHunter\Library\NIST14.L			
			Dodecane, 2-methyl-	51414	001560-97-0	83
			Heneicosane	155888	000629-94-7	80
			Octadecane, 1-iodo-	226953	000629-93-6	80
34	25.333	1.51	C:\MassHunter\Library\NIST14.L			
			Heneicosane	155888	000629-94-7	90
			Heptadecane, 2,6,10,15-tetramethyl	155904	054833-48-6	86
			Hexadecane, 1-iodo-	206779	000544-77-4	72
35	25.515	0.51	C:\MassHunter\Library\NIST14.L			
			2-Bromotetradecane	136205	074036-95-6	86
			Heptadecane	102600	000629-78-7	80
			Heneicosane	155888	000629-94-7	80
36	25.639	0.55	C:\MassHunter\Library\NIST14.L			
			Dotriacontane, 1-iodo-	272203	1000406-32-4	46
			Decane, 3,8-dimethyl-	40006	017312-55-9	46
			Hentriacontane	252712	000630-04-6	46
37	25.868	0.58	C:\MassHunter\Library\NIST14.L			
			Tridecanol, 2-ethyl-2-methyl-	104449	1000115-66-1	80
			Heneicosane	155888	000629-94-7	80

			Hexacosane	217891	000630-01-3	80
38	26.103	0.44	C:\MassHunter\Library\NIST14.L Heneicosane Hexacosane Heptacosane	155888 217890 227468	000629-94-7 000630-01-3 000593-49-7	87 87 83
39	26.262	0.81	C:\MassHunter\Library\NIST14.L 1,3-Propanediol, ethyl hexadecyl ether Heneicosane Pentacosane	186677 155888 207499	1000406-35-3 000629-94-7 000629-99-2	86 86 86
40	26.456	0.65	C:\MassHunter\Library\NIST14.L Dodecane, 2-methyl- Octacosane Nonane, 5-butyl-	51414 235614 51397	001560-97-0 000630-02-4 017312-63-9	87 87 86
41	26.774	0.21	C:\MassHunter\Library\NIST14.L Octadecane Heneicosane 2-Bromotetradecane	115545 155888 136205	000593-45-3 000629-94-7 074036-95-6	64 64 64
42	27.221	0.48	C:\MassHunter\Library\NIST14.L Octadecane Octadecane Octadecane	115546 115547 115545	000593-45-3 000593-45-3 000593-45-3	96 96 93
43	28.233	0.73	C:\MassHunter\Library\NIST14.L Heneicosane Hexadecane 2-methyloctacosane	155888 89844 242320	000629-94-7 000544-76-3 1000376-72-8	90 83 80
44	28.503	0.41	C:\MassHunter\Library\NIST14.L Octacosane Hentriacontane Hexacosane	235614 252711 217890	000630-02-4 000630-04-6 000630-01-3	91 91 91
45	28.668	0.12	C:\MassHunter\Library\NIST14.L Phthalic acid, butyl tetradecyl ester Phthalic acid, butyl undecyl ester Phthalic acid, 2,4-dimethylpent-3-yl isobutyl ester	246447 224935 178903	1000308-91-3 1000308-91-2 1000356-84-3	80 80 72
46	28.880	0.80	C:\MassHunter\Library\NIST14.L Hexadecane, 1-chloro- Octadecane, 1-chloro- Tritetracontane	121204 148105 273205	004860-03-1 003386-33-2 007098-21-7	96 91 91
47	29.097	0.94	C:\MassHunter\Library\NIST14.L Eicosane Octacosane Pentadecane, 2,6,10-trimethyl-	142238 235614 115565	000112-95-8 000630-02-4 003892-00-0	91 91 90
48	29.238	0.57	C:\MassHunter\Library\NIST14.L Heptadecane Heneicosane Eicosane	102599 155888 142238	000629-78-7 000629-94-7 000112-95-8	94 93 91
49	29.603	0.81	C:\MassHunter\Library\NIST14.L Pentacosane	207499	000629-99-2	91

			Eicosane, 2-methyl-	155892	001560-84-5	90
			Octadecane, 1-iodo-	226951	000629-93-6	87
50	29.744	1.29	C:\MassHunter\Library\NIST14.L			
			Octacosane	235614	000630-02-4	90
			Octadecane, 1-iodo-	226953	000629-93-6	90
			Eicosane	142238	000112-95-8	72
51	29.874	0.69	C:\MassHunter\Library\NIST14.L			
			Octacosane	235614	000630-02-4	87
			Hexacosane	217891	000630-01-3	87
			Eicosane, 1-iodo-	241993	1000406-31-8	87
52	30.150	0.39	C:\MassHunter\Library\NIST14.L			
			Benzenepropanoic acid, 3,5-bis(1,1	151926	006386-38-5	97
			-dimethylethyl)-4-hydroxy-, methyl			
			ester			
			Benzenepropanoic acid, 3,5-bis(1,1	151925	006386-38-5	91
			-dimethylethyl)-4-hydroxy-, methyl			
			ester			
			Benzenepropanoic acid, 3,5-bis(1,1	151924	006386-38-5	78
			-dimethylethyl)-4-hydroxy-, methyl			
			ester			
53	30.515	2.90	C:\MassHunter\Library\NIST14.L			
			Dibutyl phthalate	138057	000084-74-2	95
			Dibutyl phthalate	138058	000084-74-2	94
			1,2-Benzenedicarboxylic acid, buty	192151	000084-78-6	86
			l octyl ester			
54	31.197	0.63	C:\MassHunter\Library\NIST14.L			
			Eicosane	142239	000112-95-8	89
			Octadecane, 1-chloro-	148105	003386-33-2	64
			Hexacosane	217890	000630-01-3	50
55	31.491	0.17	C:\MassHunter\Library\NIST14.L			
			2-Bromo dodecane	109279	013187-99-0	70
			Dotriacontane, 1-iodo-	272203	1000406-32-4	68
			Heneicosane	155886	000629-94-7	68
56	32.079	0.32	C:\MassHunter\Library\NIST14.L			
			Benzo[d]pyrazolo[3,4-b]azepin-3(2H	90344	263550-89-6	70
)-one, 5,6-dihydro-5,5-dimethyl-			
			Dicyclopenta[a,d]benzene, 4,8-diet	104478	1000156-41-6	70
			hyl-1,5-dimethyl-			
			5-Methoxy-2-methyl-4-oxo-1,2,3,4-t	104038	1000227-06-0	49
			etrahydro-1,10-phenanthroline			
57	32.321	0.78	C:\MassHunter\Library\NIST14.L			
			Fluoranthene	66901	000206-44-0	83
			Hexadecane, 2,6,10,14-tetramethyl-	142261	000638-36-8	64
			Benzene, 1,1'-(1,3-butadiyne-1,4-d	66906	000886-66-8	52
			iy)bis-			
58	32.615	0.33	C:\MassHunter\Library\NIST14.L			
			Hexadecane, 2-methyl-	102609	001560-92-5	89
			Dotriacontane, 1-iodo-	272203	1000406-32-4	87
			2-methyloctacosane	242320	1000376-72-8	83
59	32.832	1.01	C:\MassHunter\Library\NIST14.L			
			1-Octadecene	113633	000112-88-9	97
			Z-8-Hexadecene	87835	1000130-87-5	95

			Pentadecafluorooctanoic acid, octa	274630	1000406-04-8	93
			decyl ester			
60	33.050	1.12	C:\MassHunter\Library\NIST14.L			
			Heneicosane	155886	000629-94-7	97
			Hexadecane, 2,6,10,14-tetramethyl-	142261	000638-36-8	91
			Nonadecane, 9-methyl-	142247	013287-24-6	90
61	33.250	0.44	C:\MassHunter\Library\NIST14.L			
			Pyrene	66899	000129-00-0	91
			Pyrene	66896	000129-00-0	83
			Pyrene	66897	000129-00-0	64
62	33.544	0.73	C:\MassHunter\Library\NIST14.L			
			Hentriacontane	252711	000630-04-6	91
			Octacosane	235614	000630-02-4	91
			Dotriacontane, 1-iodo-	272203	1000406-32-4	90
63	33.721	1.86	C:\MassHunter\Library\NIST14.L			
			Hentriacontane	252711	000630-04-6	70
			Pentacosane	207499	000629-99-2	70
			Eicosane	142238	000112-95-8	62
64	34.162	0.97	C:\MassHunter\Library\NIST14.L			
			Heptadecane, 3-methyl-	115552	006418-44-6	83
			Nonadecane, 1-chloro-	161769	062016-76-6	83
			1-Bromodocosane	232142	006938-66-5	74
65	34.321	0.53	C:\MassHunter\Library\NIST14.L			
			Octacosane	235614	000630-02-4	91
			Hentriacontane	252711	000630-04-6	91
			2-methyloctacosane	242320	1000376-72-8	90
66	34.468	0.96	C:\MassHunter\Library\NIST14.L			
			Octacosane	235614	000630-02-4	91
			Octadecane	115547	000593-45-3	86
			Hentriacontane	252711	000630-04-6	86
67	34.997	1.24	C:\MassHunter\Library\NIST14.L			
			Cycloeicosane	140274	000296-56-0	95
			1-Octadecene	113633	000112-88-9	91
			2-Chloropropionic acid, hexadecyl ester	190088	086711-81-1	91
68	35.556	0.68	C:\MassHunter\Library\NIST14.L			
			1-Chloroeicosane	175300	042217-02-7	93
			Hexadecane, 2,6,10,14-tetramethyl-	142260	000638-36-8	83
			Carbonic acid, eicosyl vinyl ester	219345	1000382-54-3	76
69	35.767	0.89	C:\MassHunter\Library\NIST14.L			
			Octanamide, N,N-dimethyl-	40697	001118-92-9	87
			N,N-Dimethyldodecanamide	90491	003007-53-2	72
			3-Cyclopentylpropionamide, N,N-dimethyl-	39063	1000340-38-0	64
70	36.097	0.83	C:\MassHunter\Library\NIST14.L			
			Carbonic acid, eicosyl vinyl ester	219345	1000382-54-3	76
			Sulfurous acid, butyl heptadecyl ester	224827	1000309-18-4	74
			Nonadecane, 1-chloro-	161769	062016-76-6	70
71	36.662	1.23	C:\MassHunter\Library\NIST14.L			

			Octadecane, 1-chloro-	148105	003386-33-2	78
			Nonadecane, 1-chloro-	161769	062016-76-6	78
			Octadecane, 3-methyl-	128847	006561-44-0	62
72	36.785	0.78	C:\MassHunter\Library\NIST14.L			
			Docosane	169409	000629-97-0	96
			Heptadecane, 3-methyl-	115552	006418-44-6	81
			Dotriacontane, 1-iodo-	272203	1000406-32-4	81
73	37.120	0.63	C:\MassHunter\Library\NIST14.L			
			2-Methyltetracosane	207500	001560-78-7	87
			Hentriacontane	252711	000630-04-6	83
			Tetracosane, 11-decyl-	262990	055429-84-0	83
74	37.297	2.30	C:\MassHunter\Library\NIST14.L			
			Heptadecane	102600	000629-78-7	91
			Hexadecane, 2,6,10,14-tetramethyl-	142260	000638-36-8	89
			Tetracosane, 9-octyl-	256759	055401-54-2	87
75	38.009	1.50	C:\MassHunter\Library\NIST14.L			
			Hexadecane	89844	000544-76-3	92
			Hexadecane	89838	000544-76-3	91
			Hexadecane	89842	000544-76-3	91
76	38.156	0.53	C:\MassHunter\Library\NIST14.L			
			Heneicosane	155886	000629-94-7	93
			Heptadecane, 3-methyl-	115552	006418-44-6	89
			Nonadecane, 9-methyl-	142247	013287-24-6	78
77	38.326	0.67	C:\MassHunter\Library\NIST14.L			
			Hexadecane, 1-iodo-	206777	000544-77-4	91
			Henicos-1-ene	153971	001599-68-4	89
			Carbonic acid, eicosyl vinyl ester	219345	1000382-54-3	87
78	38.532	1.10	C:\MassHunter\Library\NIST14.L			
			Phenol, 2,2'-methylenebis[6-(1,1-d	197659	000119-47-1	99
			imethylethyl)-4-methyl-			
			Phenol, 2,2'-methylenebis[6-(1,1-d	197660	000119-47-1	70
			imethylethyl)-4-methyl-			
			Phenol, 2,2'-methylenebis[6-(1,1-d	197661	000119-47-1	68
			imethylethyl)-4-methyl-			
79	39.144	0.88	C:\MassHunter\Library\NIST14.L			
			N,N-Dimethyldodecanamide	90491	003007-53-2	55
			3-Cyclopentylpropionamide, N,N-dim	39063	1000340-38-0	50
			ethyl-			
			2-Tridecanone, 0-methyloxime	90497	036379-38-1	43
80	39.420	0.86	C:\MassHunter\Library\NIST14.L			
			Hexadecane	89839	000544-76-3	95
			1-Chloroeicosane	175300	042217-02-7	93
			Nonahexacontanoic acid	276185	040710-32-5	91
81	39.838	1.56	C:\MassHunter\Library\NIST14.L			
			Nonadecane	128833	000629-92-5	91
			Docosane	169409	000629-97-0	90
			Hexadecane, 1-iodo-	206777	000544-77-4	90
82	40.038	2.04	C:\MassHunter\Library\NIST14.L			
			Nonadecane, 1-chloro-	161769	062016-76-6	83
			Carbonic acid, eicosyl vinyl ester	219345	1000382-54-3	81
			Tetracosane	195672	000646-31-1	76

83	40.514	3.84	C:\MassHunter\Library\NIST14.L Bis(2-ethylhexyl) phthalate Di-n-octyl phthalate Diisooctyl phthalate	233372 000117-81-7 99 233365 000117-84-0 91 233366 000131-20-4 91
84	40.885	0.90	C:\MassHunter\Library\NIST14.L Heneicosane Hexadecane, 1-iodo- Octadecane, 2,6,10,14-tetramethyl-	155886 000629-94-7 97 206777 000544-77-4 92 169419 054964-82-8 91
85	41.244	2.51	C:\MassHunter\Library\NIST14.L 3-Methylhexacosane 2-methyloctacosane Dotriacontane, 1-iodo-	227471 065820-56-6 91 242320 1000376-72-8 87 272203 1000406-32-4 87
86	42.085	0.70	C:\MassHunter\Library\NIST14.L 1-Bromodocosane Hexadecane, 1-iodo- Heneicosane	232142 006938-66-5 92 206777 000544-77-4 92 155886 000629-94-7 92
87	43.161	1.14	C:\MassHunter\Library\NIST14.L Docosane Octadecane, 3-methyl- 13-Methylheptacosane	169409 000629-97-0 95 128847 006561-44-0 93 235622 015689-72-2 90
88	43.391	0.76	C:\MassHunter\Library\NIST14.L 1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester Carbonic acid, decyl 2-ethylhexyl ester Carbonic acid, 2-ethylhexyl nonyl ester	233538 006422-86-2 43 173326 1000383-13-7 38 159890 1000383-13-6 38
89	43.679	2.00	C:\MassHunter\Library\NIST14.L Octadecane 2,6,10-Trimethyltridecane Heneicosane, 11-decyl-	115545 000593-45-3 91 89861 003891-99-4 80 252715 055320-06-4 76
90	43.838	1.70	C:\MassHunter\Library\NIST14.L 13-Docosenamide, (Z)- 13-Docosenamide, (Z)- 13-Docosenamide, (Z)-	194617 000112-84-5 97 194619 000112-84-5 92 194618 000112-84-5 83
91	44.561	0.21	C:\MassHunter\Library\NIST14.L Heptacosane, 1-chloro- Heneicosane Nonadecane	245034 062016-79-9 96 155886 000629-94-7 89 128835 000629-92-5 86
92	50.937	0.19	C:\MassHunter\Library\NIST14.L Di-n-decylsulfone 1H-Indole, 5-methyl-2-phenyl- Heneicosane, 3-methyl-	202597 111530-37-1 53 71661 013228-36-9 49 169412 006418-47-9 45
93	51.178	0.27	C:\MassHunter\Library\NIST14.L Eicosane Heptadecane Heneicosane	142239 000112-95-8 60 102600 000629-78-7 60 155886 000629-94-7 53