User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 14:54:54

Sample: AE11311
Analysis: S525 Organic Chemicals - 525.2
Units: ug
Started: 5/10/02 14:52 Ended: 5/13/02 14:52 Analyst: TB
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Hexachlorocyclopentadiene		< MRL		1.0
2	Hexachlorobenzene		< MRL		1.0
3	Simazine		< MRL		1.0
4	Atrazine		< MRL		1.0
5	Alachlor		< MRL		1.0
6	bis(2-Ethylhexyl)adipate		< MRL		1.0
7	bis(2-Ethylhexyl)phthalate		1.6		1.0
8	Benzo(a)pyrene		< MRL		0.20
9	EPTC		< MRL		1.0
10	2,6-Dinitrotoluene		< MRL		2.0
11	2,4-Dinitrotoluene		< MRL		2.0
12	Molinate		< MRL		0.90
13	Terbacil		< MRL		2.0
14	Acetochlor		< MRL		2.0
15	Metribuzin		< MRL		1.0
16	Metolachlor		< MRL		1.0
17	Butachlor		< MRL		1.0
18	4,4-DDE		< MRL		0.80
19	Surr_1,3-Dimethyl-2-nitrobenze		5.2		1.0
20	Surr_Triphenyl phosphate		5.0		1.0
21	Surr_Perylene-d12	[illegible]	2.4	[illegible]	[illegible]

Comments for Sample AE11311 - Analysis $525

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-15-2002 Time: 09:14:34

bis(2-ethylhexyl)phrhalsate in LB and FB is 3 ug/l. 5 of 18 compounds fail in LCS Standard. 2 of 18 compounds fail in Spiked sample. 1 of 3 Surrogates fail in sample. LB and sample contaminated with Turbo vap grease. Analysis will be repeated on fresh bottle. Samples may contain unknows such as hydroxynitrophenyl pyridine at .07 ug/l fit 53, biphenyldiamine at 4.6 ug/l fit 72, and guanosine at 0.09 ug/l fit 37.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 14 10:06:04 2002 Quant Results File: 050802.RES

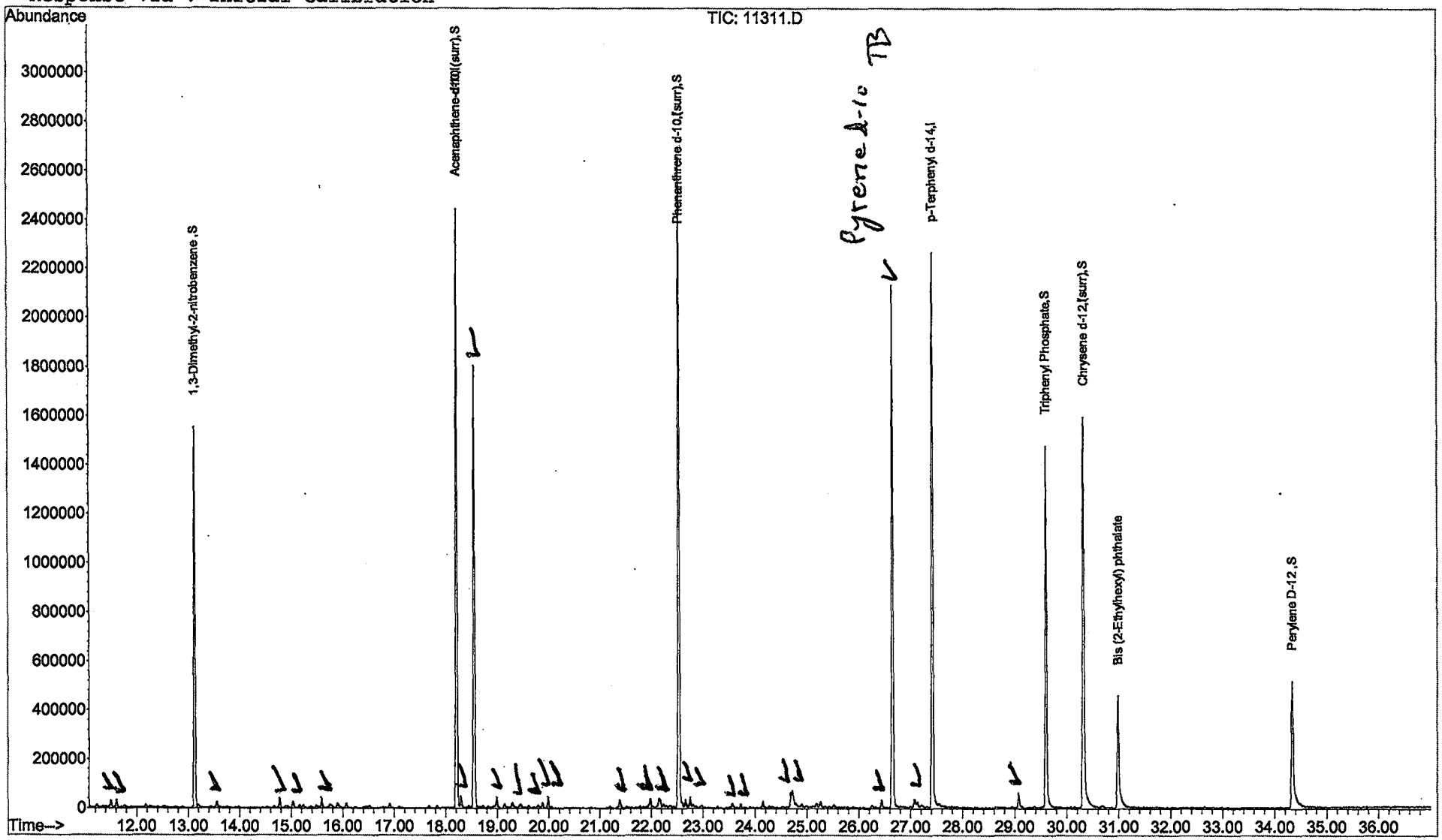
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Tue May 14 09:56:07 2002
Response via : Initial Calibration
DataAcq Meth : 050802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Acenaphthene-d10	18.21	164	1166627	5.00	ug/L	0.00
9) Phenanthrene d-10	22.53	188	1959693	5.00	ug/L	0.00
19) Chrysene d-12	30.32	240	1212121	5.00	ug/L	0.00
25) p-Terphenyl d-14	27.42	244	1337409	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,3-Dimethyl-2-nitrobenzen	13.13	134	361367	5.21	ug/L	0.00
Spiked Amount 5.000			Recovery =	104.20%		
20) Triphenyl Phosphate	29.61	326	301435	5.04	ug/L	0.00
Spiked Amount 5.000			Recovery =	100.80%		
21) Perylene D-12	34.33	264	416905	2.40	ug/L	0.00
Spiked Amount 5.000			Recovery =	48.00%		
26) Acenaphthene d-10 (surr)	18.21	164	1166627	3.49	ug/L	0.00
Spiked Amount 5.000			Recovery =	69.80%		
27) Phenanthrene d-10 (surr)	22.53	188	1959693	4.10	ug/L	0.00
Spiked Amount 5.000			Recovery =	82.00%		
28) Chrysene d-12 (surr)	30.32	240	1212121	3.98	ug/L	0.00
Spiked Amount 5.000			Recovery =	79.60%		
Target Compounds						Qvalue
3) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
4) Hexachlorobenzene	0.00	284	0	N.D.		
5) EPTC	0.00	128	0	N.D.		
6) 2,6-Dinitrotoluene	0.00	165	0	N.D. d		
7) 2,4-Dinitotoluene	0.00	165	0	N.D.		
8) Molinate	0.00	126	0	N.D.		
10) Simazine	0.00	201	0	N.D.		
11) Atrazine	0.00	200	0	N.D.		
12) Alachlor	0.00	160	0	N.D.		
13) Terbacil	0.00	117	0	N.D.		
14) Acetochlor	0.00	146	0	N.D.		
15) Metribuzin	0.00	198	0	N.D.		
16) Metolachlor	0.00	162	0	N.D.		
17) Butachlor	0.00	160	0	N.D. d		
18) 4,4'-DDE	0.00	246	0	N.D. d		
22) Bis (2-Ethylhexyl) adipate	0.00	129	0	N.D. d		
23) Bis (2-Ethylhexyl) phthala	30.99	149	410808	1.57	ug/L	98
24) Benzo (a) pyrene	0.00	252	0	N.D.		

(#) = qualifier out of range (m) = manual integration
11311.D 050802.M Tue May 14 10:15:13 2002 Page 1

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 14 10:11 2002 Quant Results File: 050802.RES

Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Tue May 14 09:56:07 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

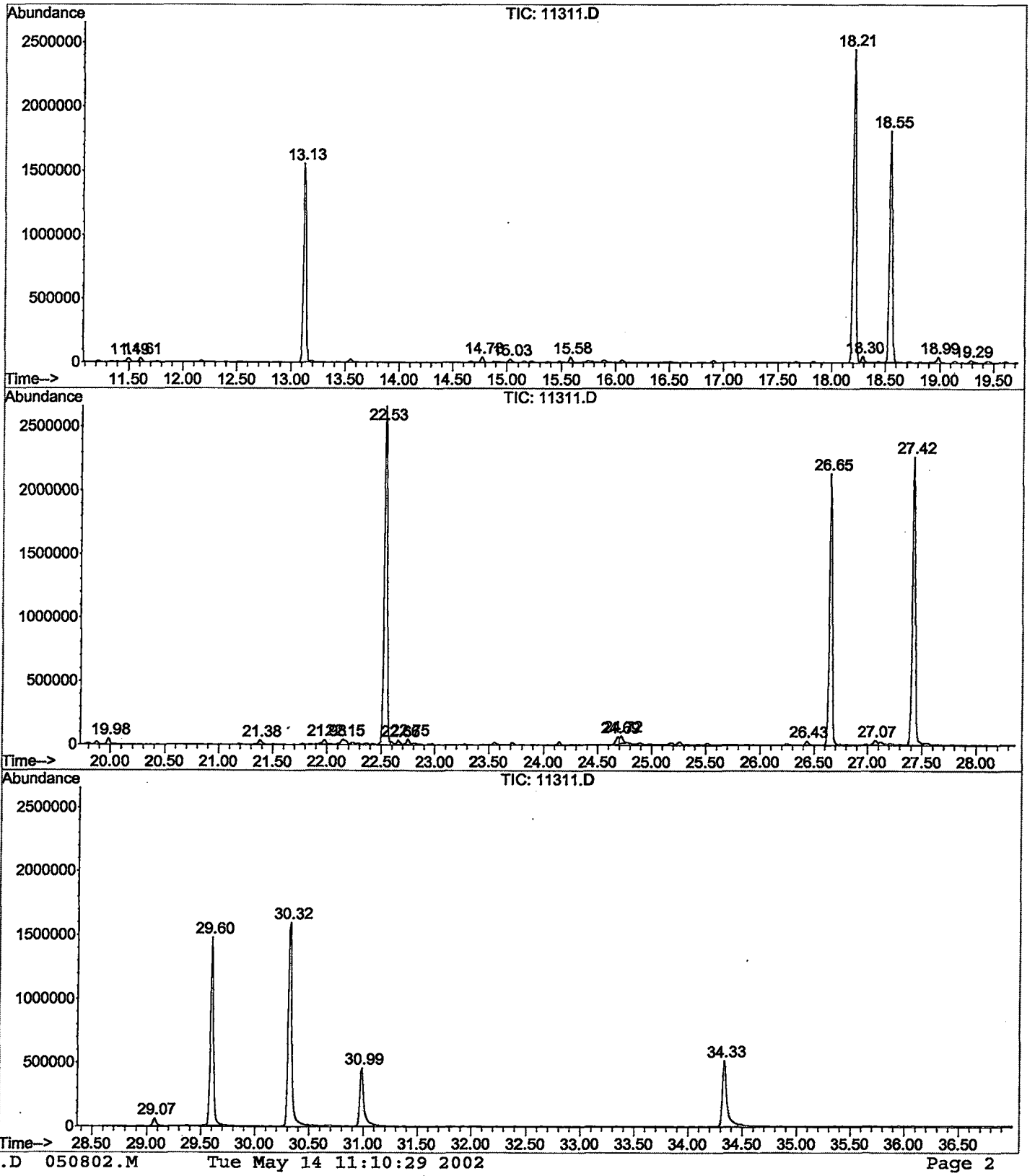
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.493	44	46	51	rVB2	27853	52409	1.03%	0.150%
2	11.611	51	59	63	rBV2	31513	59977	1.18%	0.172%
3	13.126	221	226	231	rBV	1550190	2699241	52.90%	7.750%
4	14.777	404	408	412	rVB	41560	67153	1.32%	0.193%
5	15.030	431	436	443	rVB2	26552	51468	1.01%	0.148%
6	15.584	492	497	501	rBV2	42970	72185	1.41%	0.207%
7	18.214	781	787	792	rBV	2445397	4466439	87.54%	12.824%
8	18.296	792	796	805	rVB2	47187	93776	1.84%	0.269%
9	18.550	819	824	830	rBV2	1802971	3337087	65.41%	9.581%
10	18.985	868	872	881	rVB	47816	105562	2.07%	0.303%
11	19.294	901	906	916	rBV3	20212	57676	1.13%	0.166%
12	19.983	978	982	986	rBV	48605	83099	1.63%	0.239%
13	21.380	1129	1136	1142	rBV4	33979	84708	1.66%	0.243%
14	21.978	1196	1202	1206	rBV2	35779	81023	1.59%	0.233%
15	22.151	1213	1221	1227	rBV5	39628	144344	2.83%	0.414%
16	22.532	1256	1263	1269	rBV2	2655565	5102105	100.00%	14.649%
17	22.659	1273	1277	1282	rVB3	33499	61426	1.20%	0.176%
18	22.749	1282	1287	1290	rBV	42874	79246	1.55%	0.228%
19	24.690	1495	1501	1502	rBV2	60926	126973	2.49%	0.365%
20	24.718	1502	1504	1509	rVB3	58634	116233	2.28%	0.334%
21	26.432	1689	1693	1698	rVB	31798	60105	1.18%	0.173%
22	26.649	1711	1717	1725	rBV2	2131735	4016904	78.73%	11.533%
23	27.067	1758	1763	1767	rBV3	33028	81245	1.59%	0.233%
24	27.420	1796	1802	1812	rBV	2259920	4341233	85.09%	12.465%
25	29.071	1979	1984	1991	rBV	61244	132718	2.60%	0.381%
26	29.597	2037	2042	2054	rBV	1470316	2842544	55.71%	8.162%
27	30.323	2115	2122	2143	rBV2	1594109	3744785	73.40%	10.752%
28	30.985	2189	2195	2208	rBV	454655	1167574	22.88%	3.352%
29	34.332	2558	2564	2578	rBV2	516784	1499307	29.39%	4.305%

Sum of corrected areas: 34828545

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051302\11311.D
Operator : Bohlk / Inst 213
Acquired : 13 May 2002 9:36 pm using AcqMethod 050802
Instrument : Instrumen
Sample Name: SAMPLE 11311 5/10/02
Misc Info :
Vial Number: 13
Quant File :050802.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

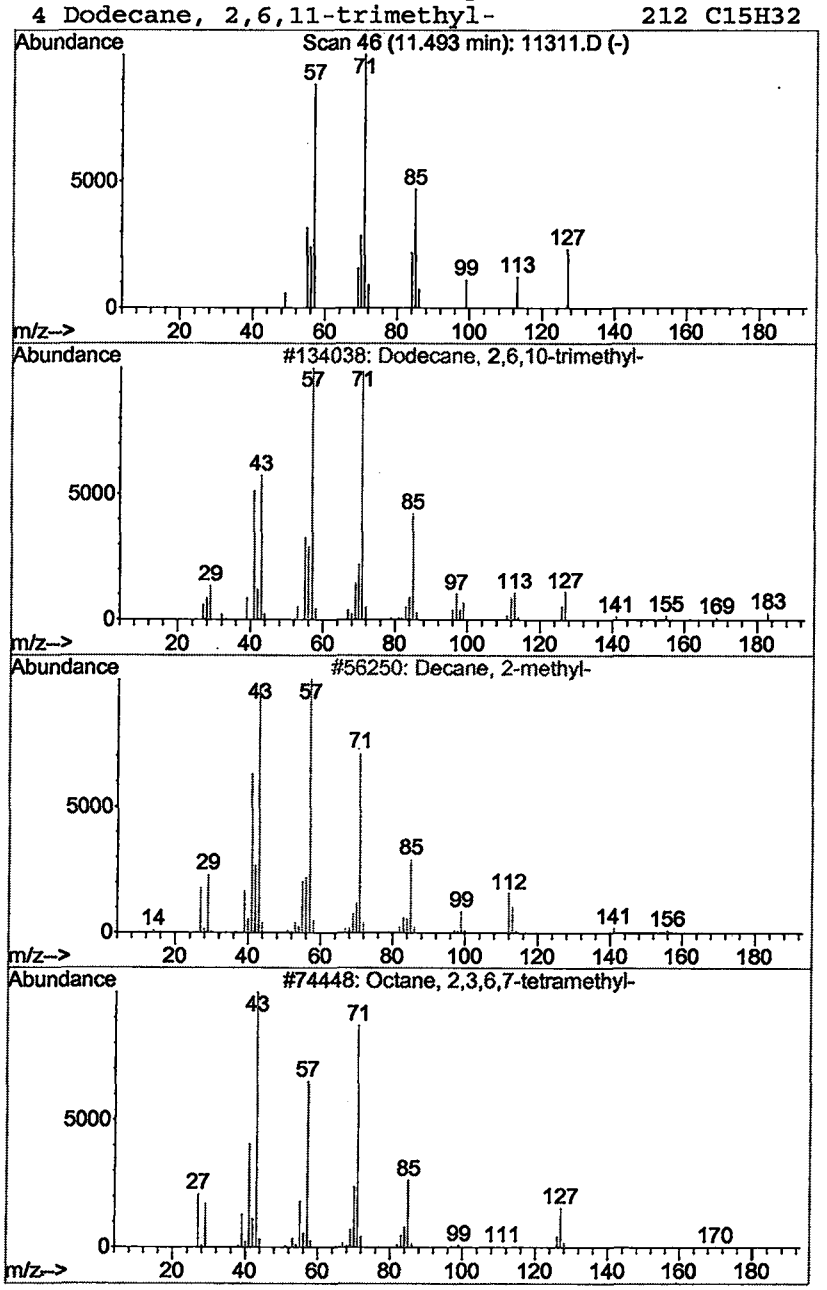
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

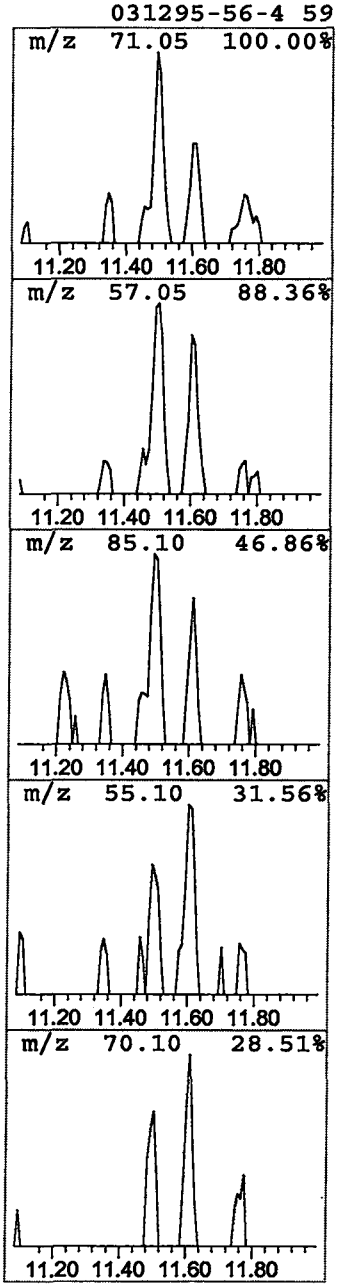
****

Peak Number 1 Dodecane, 2,6,10-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	0.06 ug/L	52409	Acenaphthene-d10	18.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
2	Decane, 2-methyl-	156	C11H24	006975-98-0	64
3	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	64
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

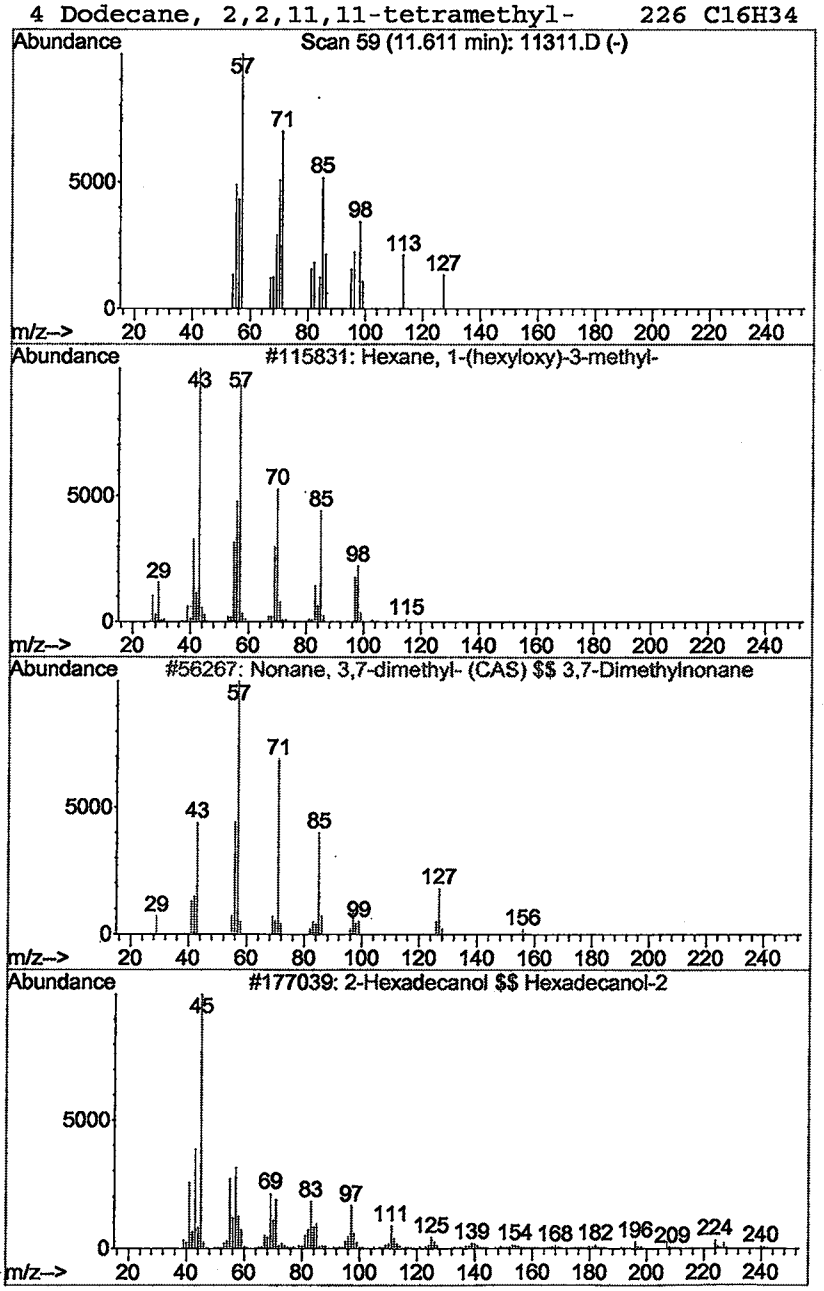
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

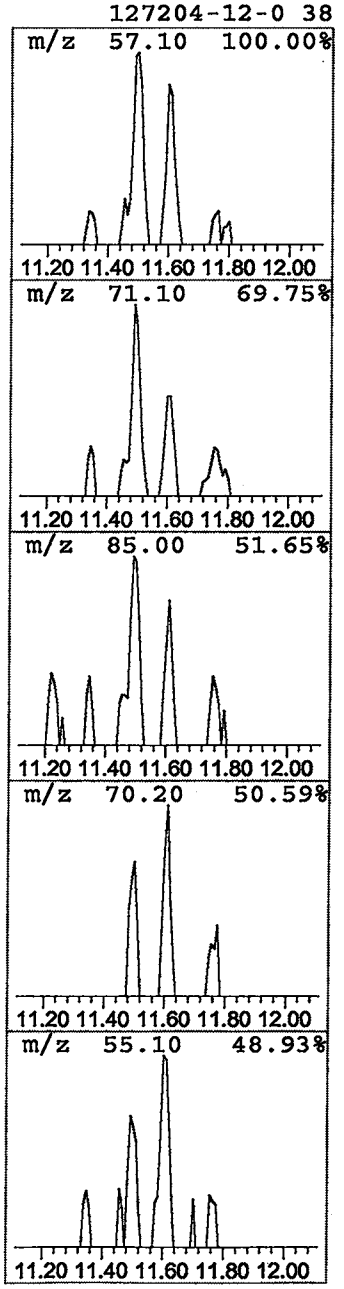
****

Peak Number 2 Hexane, 1-(hexyloxy)-3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	0.07 ug/L	59977	Acenaphthene-d10	18.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	43
2	Nonane, 3,7-dimethyl- (CAS) $$ 3...	156	C11H24	017302-32-8	43
3	2-Hexadecanol $$ Hexadecanol-2	242	C16H34O	014852-31-4	42
4	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

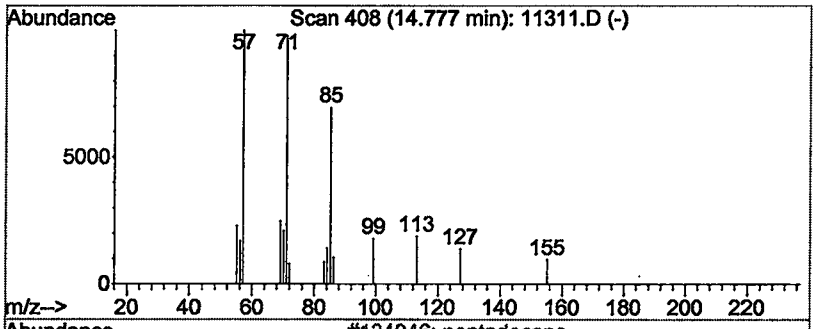
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

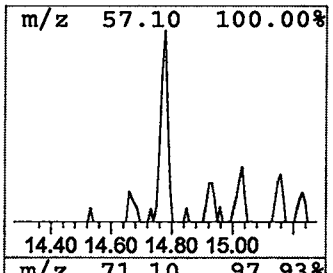
****

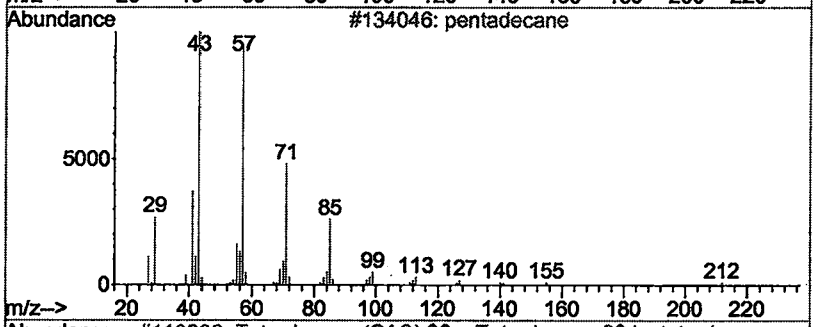
Peak Number 3 pentadecane Concentration Rank 15

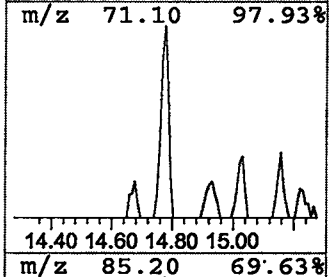
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	0.08 ug/L	67153	Acenaphthene-d10	18.21

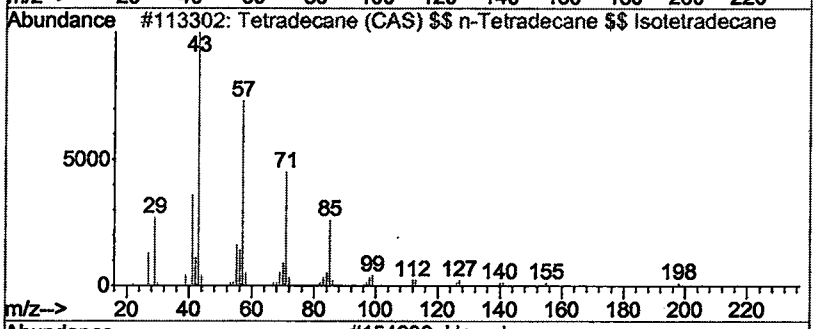
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	pentadecane	212	C15H32	000629-62-9	83
2	Tetradecane (CAS) $$ n-Tetradeca...	198	C14H30	000629-59-4	78
3	Hexadecane	226	C16H34	000544-76-3	72
4	Eicosane	282	C20H42	000112-95-8	72

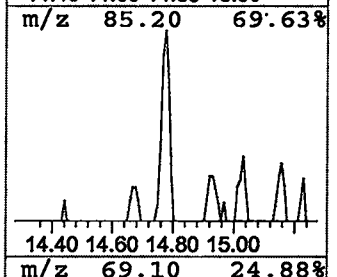


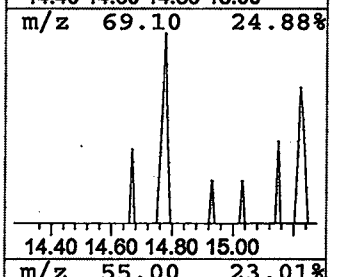


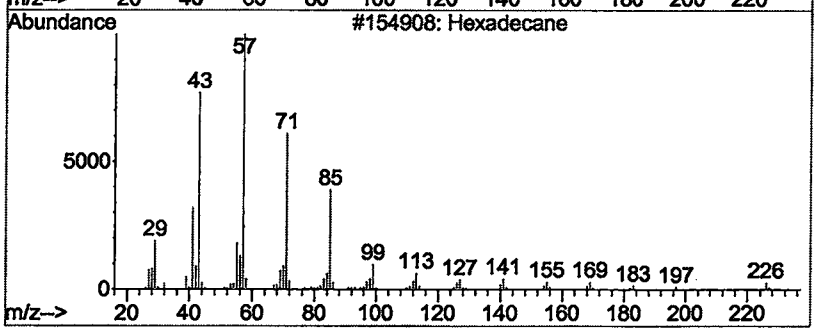


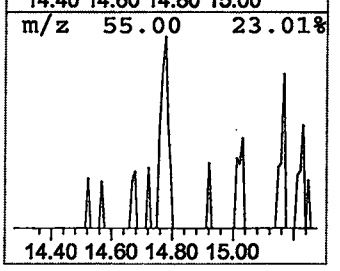




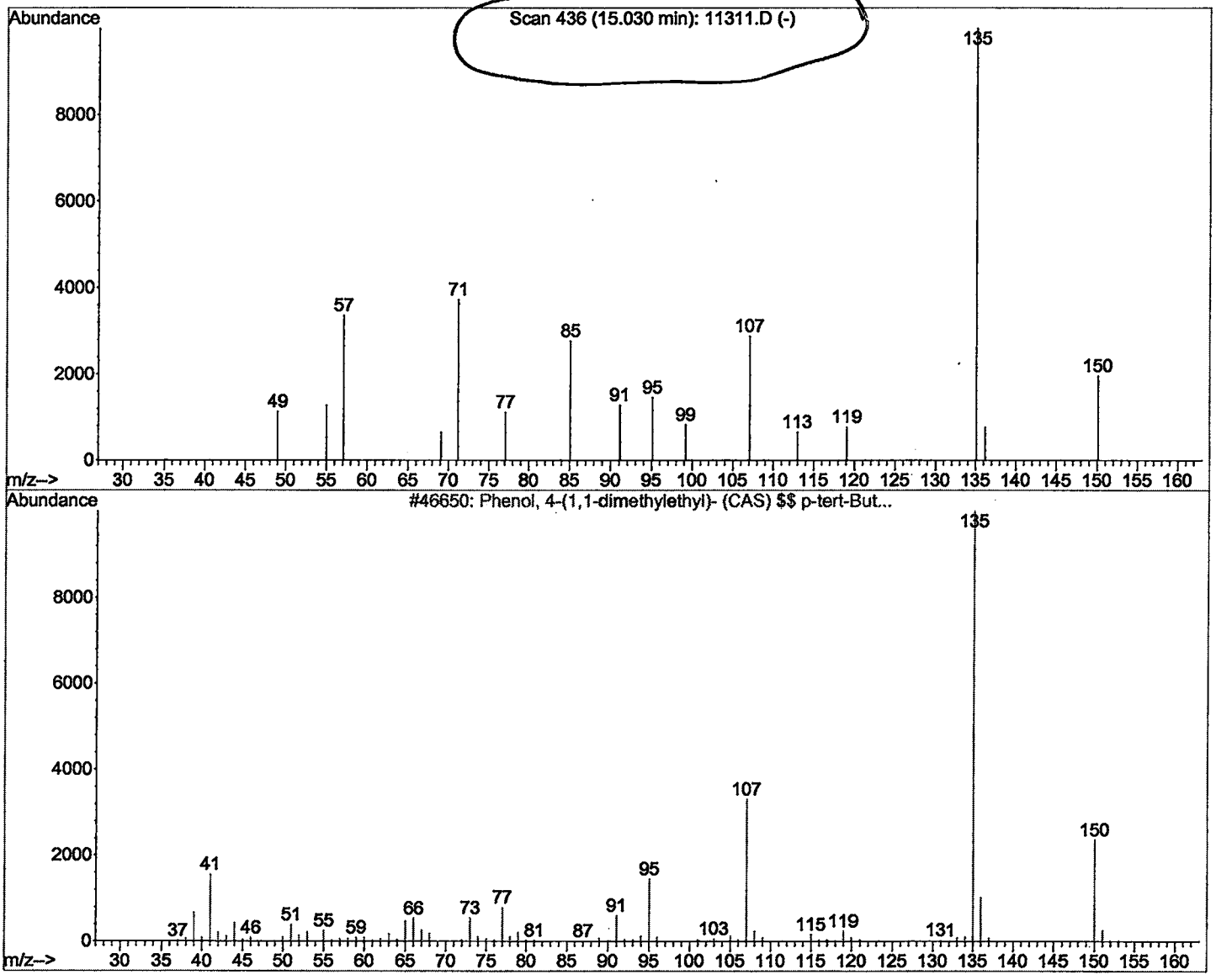








Library Searched : C:\Database\wiley7n.l
Quality : 58
ID : Phenol, 4-(1,1-dimethylethyl)- (CAS) $$ p-tert-Butylphenol $$ 4-TERT-BUTYL-PHENOL $$ 4-(1,1-Dimethylethyl)phenol $$ 4-tertiobutylphenol $$ 4-TERT.BUTYLPHENOL $$ 4-tert-Butylphenol $$ Phenol, p-tert-butyl- $$ Butylphen $$ 4-t-Butylphenol $$ p-terc.Butylfen



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Library Searched : C:\Database\wiley7n.l
Quality          : 58
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                   UTYL-PHENOL $$ 4-(1,1-Dimethylethyl)phenol $$ 4-tertiobutylphenol $$ 4
                   -TERT.BUTYLPHENOL $$ 4-tert-Butylphenol $$ Phenol, p-tert-butyl- $$ Bu
                   tylphen $$ 4-t-Butylphenol $$ p-terc.Butylfen
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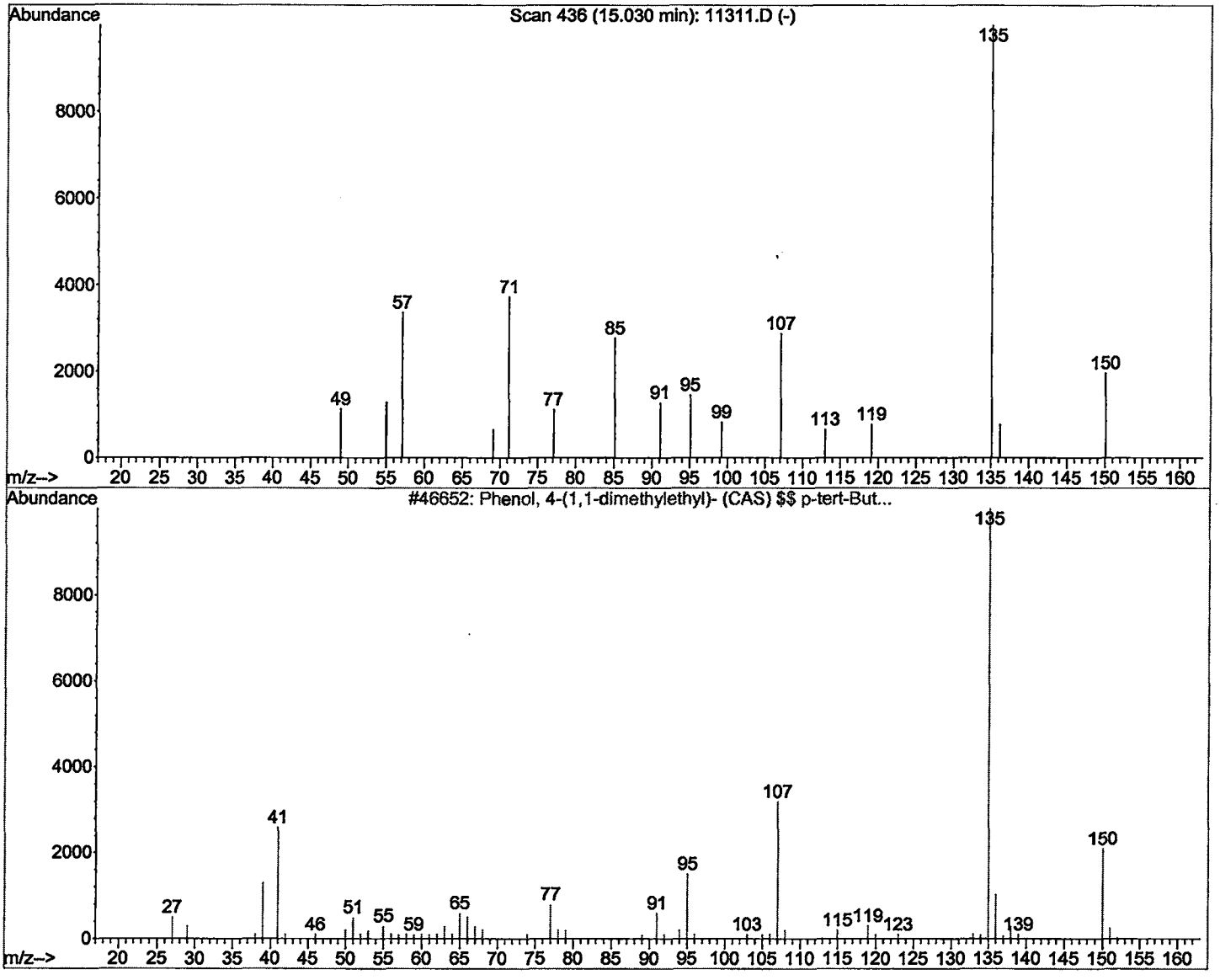

Library Searched : C:\Database\wiley7n.l
Quality : 58
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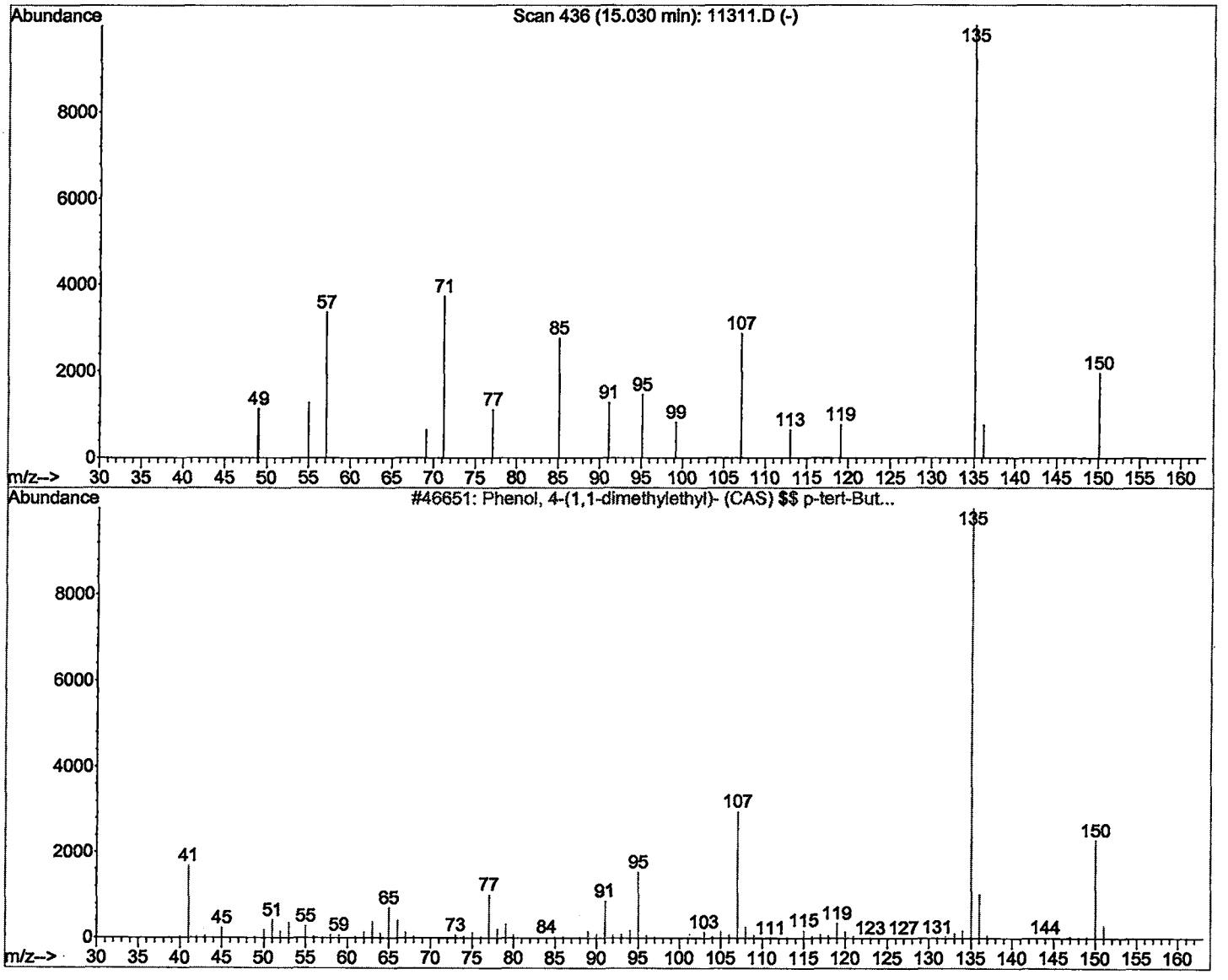

Library Searched : C:\Database\wiley7n.l
Quality : 58
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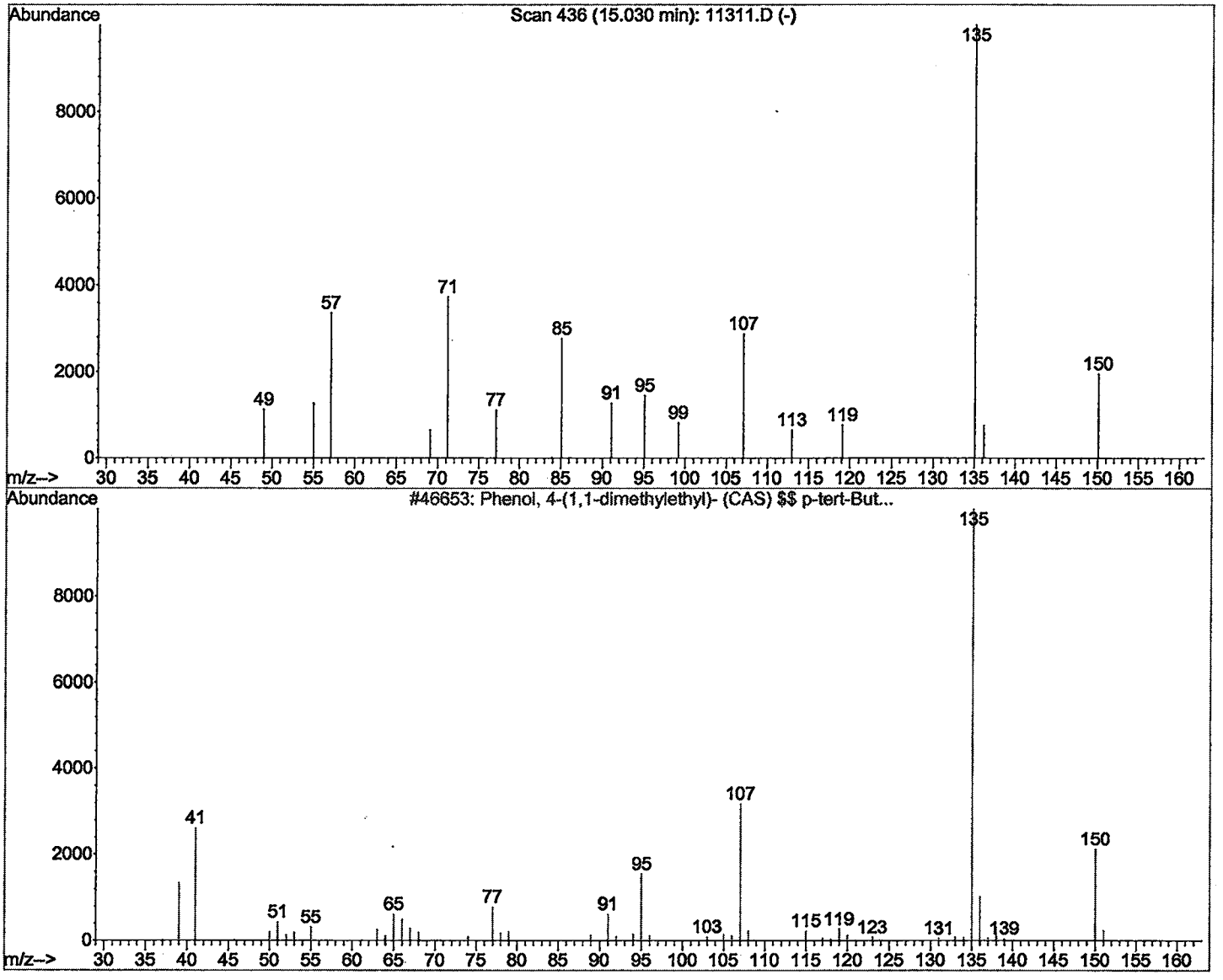
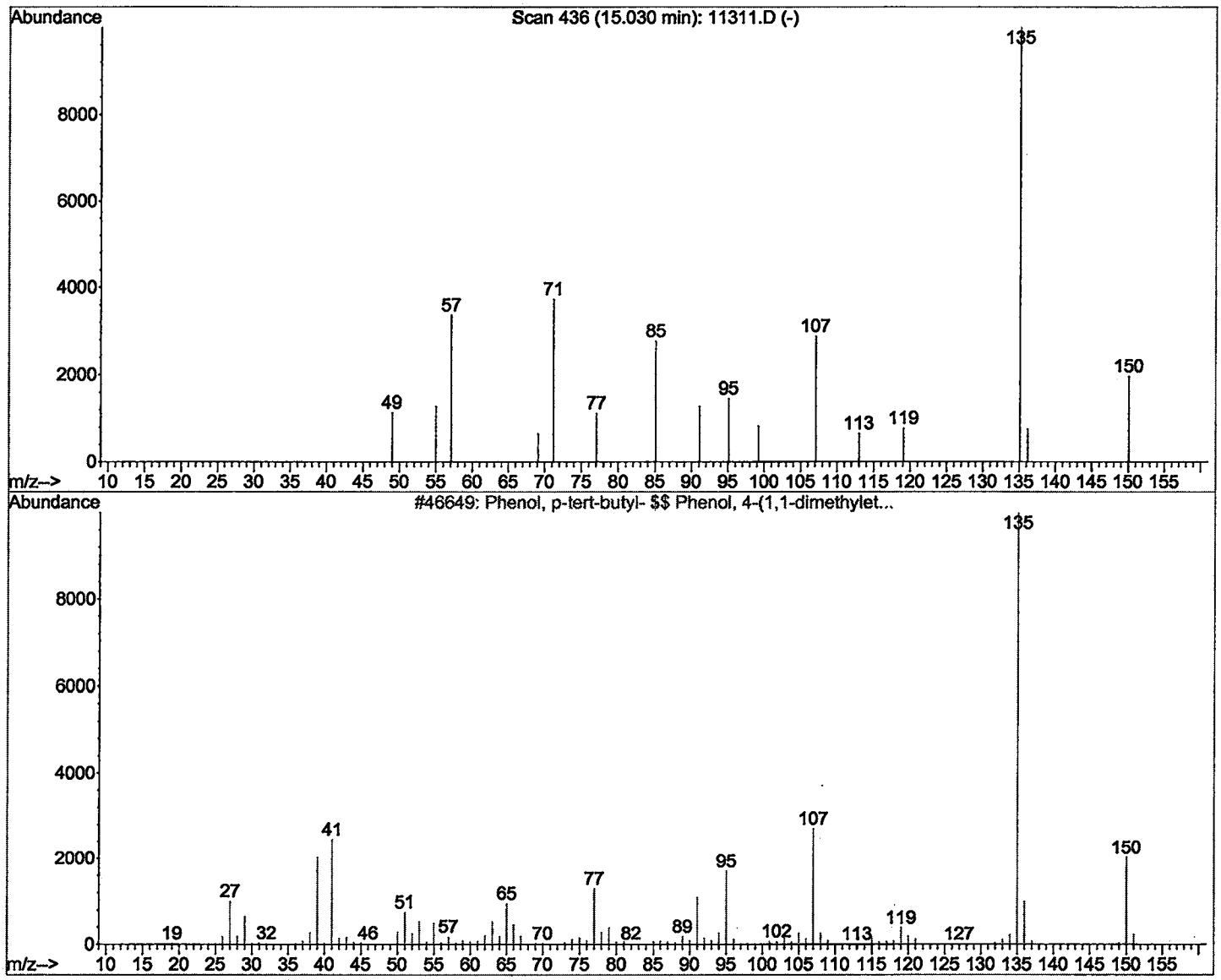


Library Searched : C:\Database\wiley7n.l
Quality : 58
ID : Phenol, p-tert-butyl- $$ Phenol, 4-(1,1-dimethylethyl)- $$ p-tert-Butylphenol $$ Butylphen $$ 4-tert-Butylphenol $$ 4-t-Butylphenol $$ 4-(1,1-Dimethylethyl)phenol $$ p-terc.Butylfenol $$ 1-Hydroxy-4-tert-butylbenzene $$ PTBP $$ Phenol, 4-tert-butyl-



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

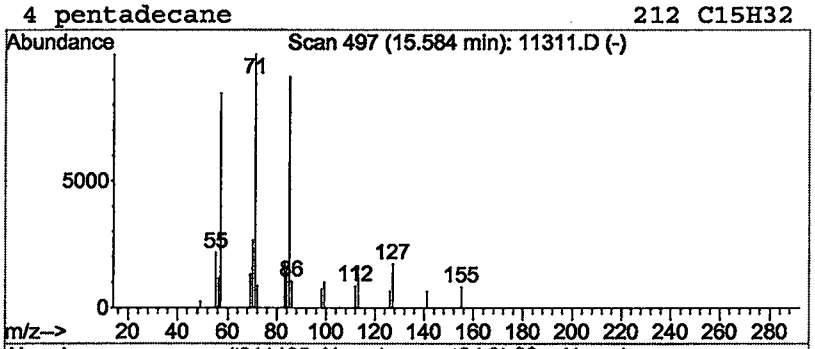
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

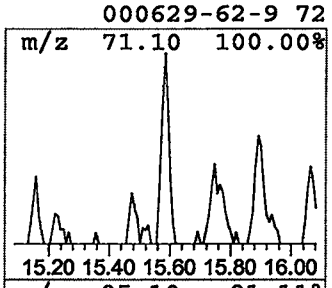
****

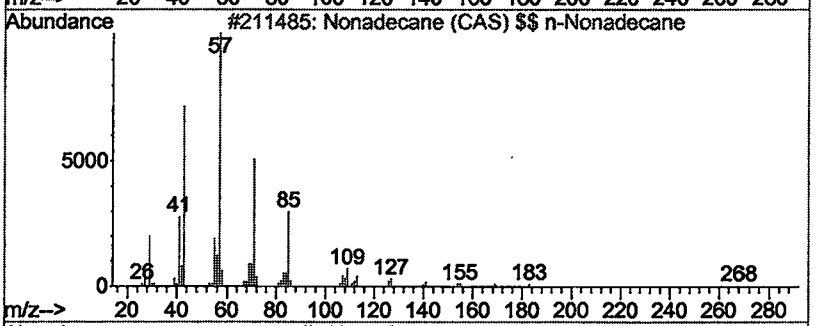
Peak Number 4 Nonadecane (CAS) $$ n-Nonad... Concentration Rank 12

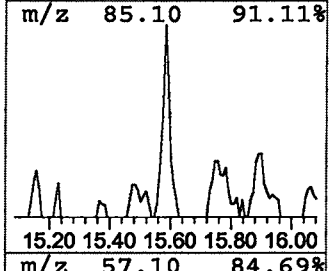
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	0.08 ug/L	72185	Acenaphthene-d10	18.21

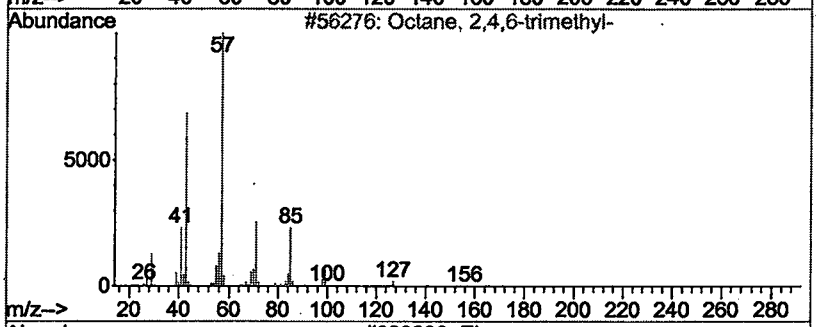
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane (CAS) $$ n-Nonadecane	268	C19H40	000629-92-5	80
2	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	78
3	Eicosane	282	C20H42	000112-95-8	78
4	pentadecane	212	C15H32	000629-62-9	72

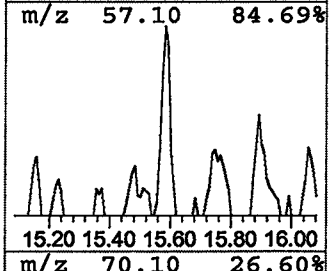


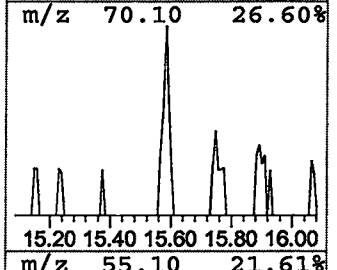


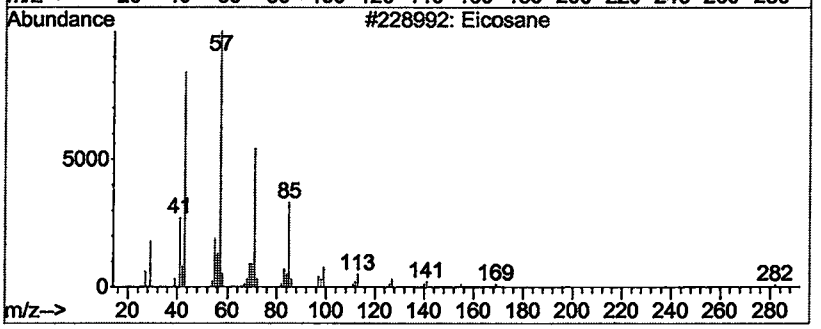


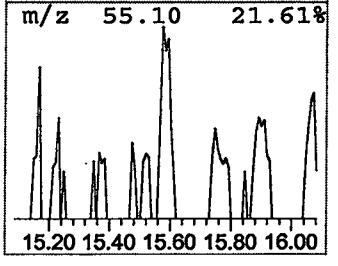












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

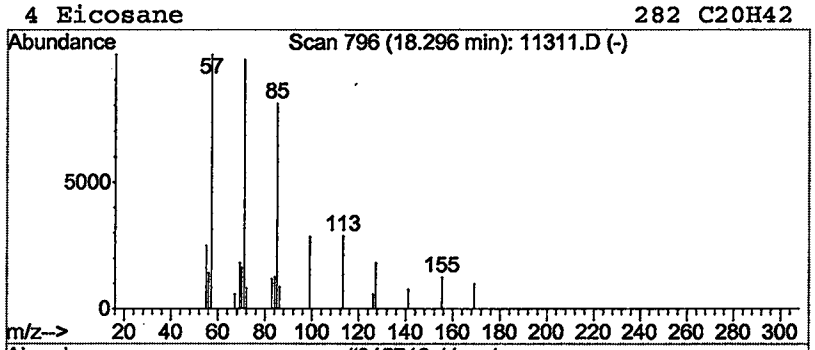
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

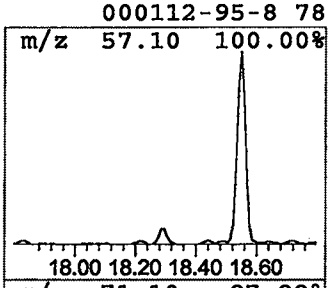
****

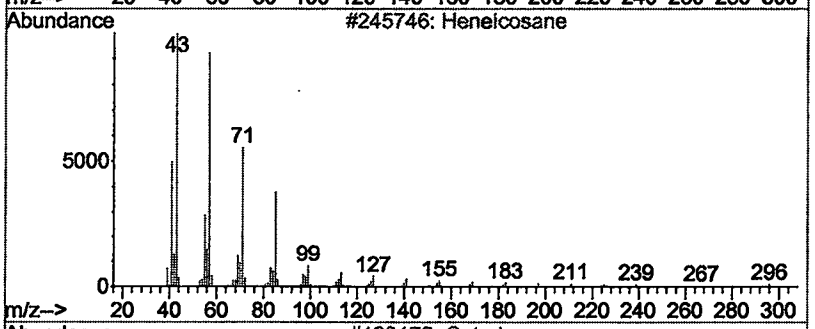
Peak Number 5 Heneicosane Concentration Rank 8

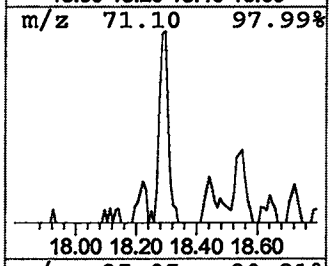
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	0.10 ug/L	93776	Acenaphthene-d10	18.21

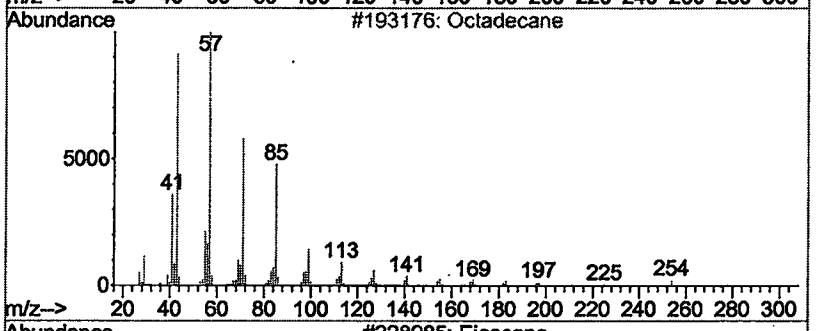
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	83
2	Octadecane	254	C18H38	000593-45-3	78
3	Eicosane	282	C20H42	000112-95-8	78
4	Eicosane	282	C20H42	000112-95-8	78

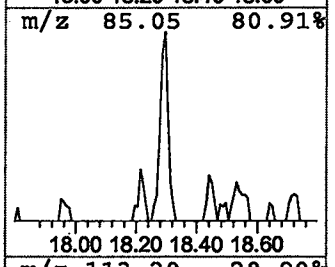


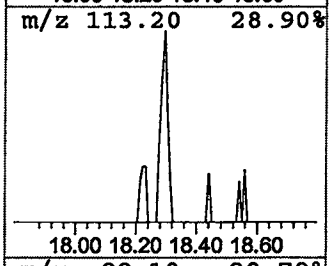


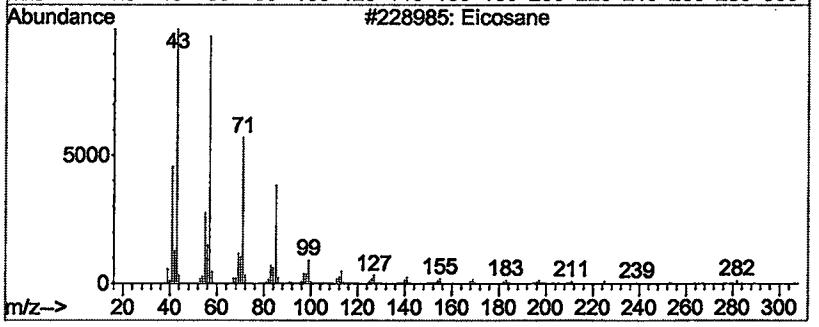


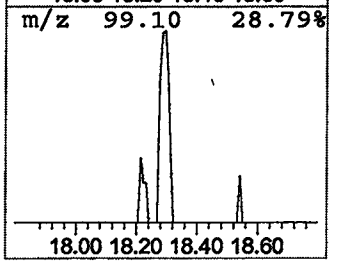












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

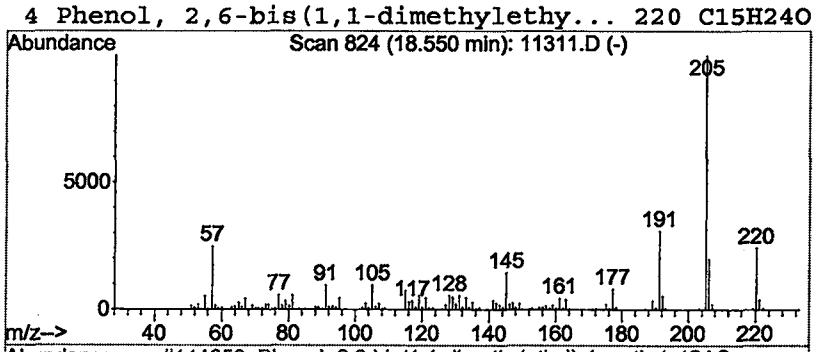
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

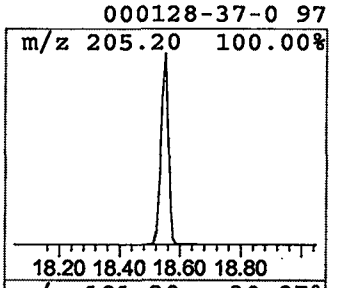
****

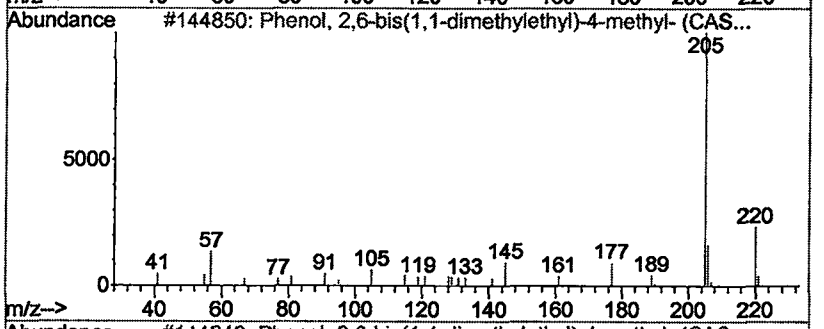
Peak Number 6 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 2

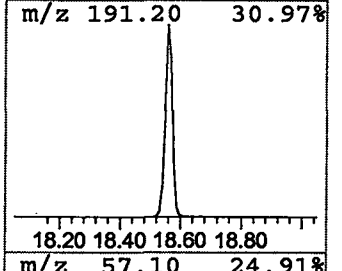
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	3.74 ug/L	3337090	Acenaphthene-d10	18.21

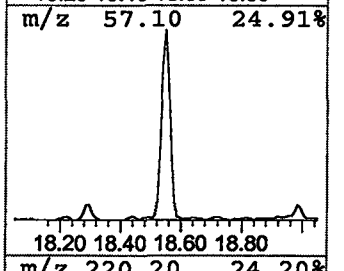
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-bis(1,1-dimethylethy...	220	C15H24O	000128-37-0	98
2	Phenol, 2,6-bis(1,1-dimethylethy...	220	C15H24O	000128-37-0	98
3	BUTYL HYDROXY TOLUENE	220	C15H24O	000128-37-0	97
4	Phenol, 2,6-bis(1,1-dimethylethy...	220	C15H24O	000128-37-0	97

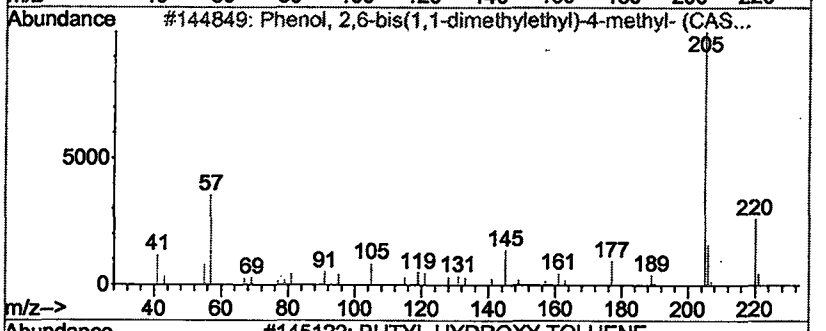


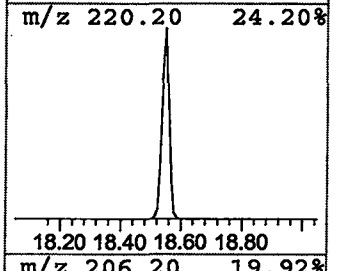


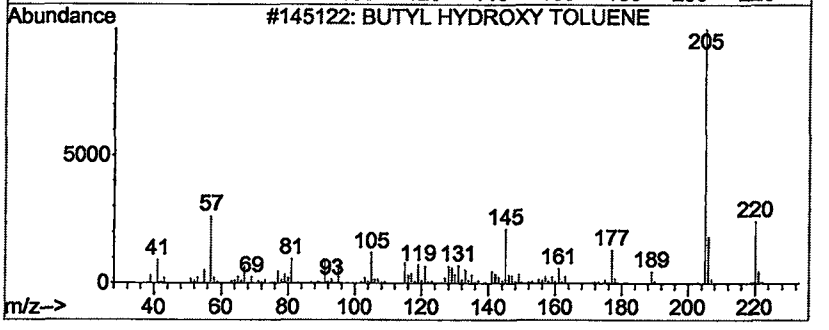


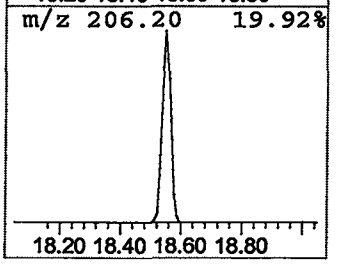












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

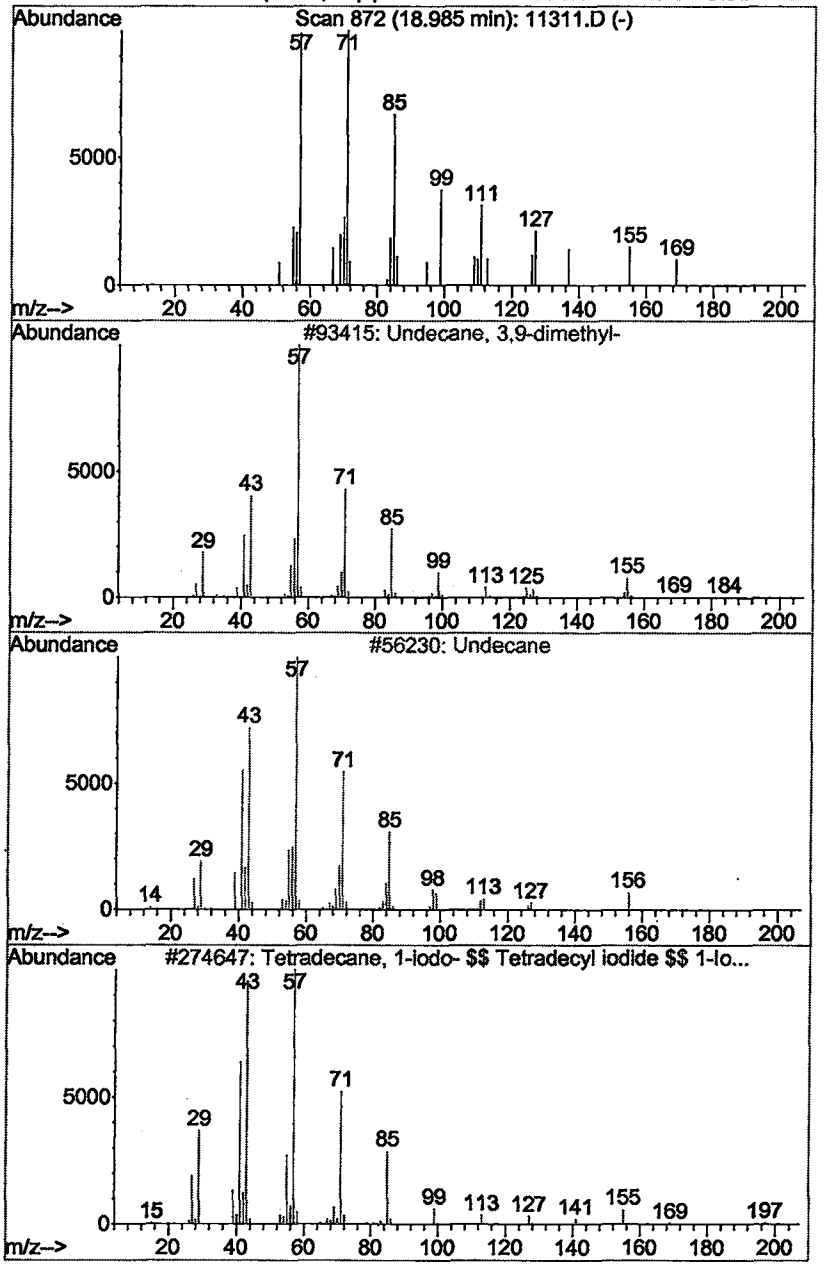
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

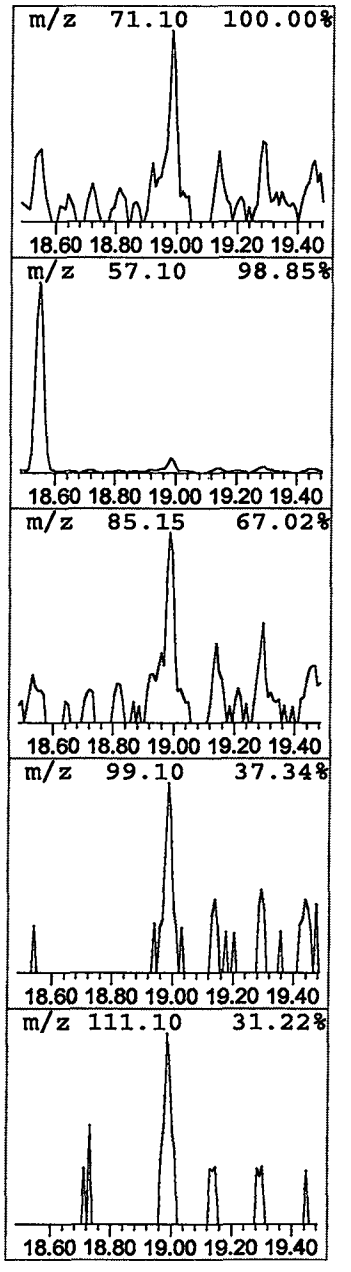
****

Peak Number 7 Undecane, 3,9-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	0.12 ug/L	105562	Acenaphthene-d10	18.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	53
2	Undecane	156	C11H24	001120-21-4	50
3	Tetradecane, 1-iodo- $$ Tetradec...	324	C14H29I	019218-94-1	50
4	Tetradecane (CAS) $$ n-Tetradeca...	198	C14H30	000629-59-4	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

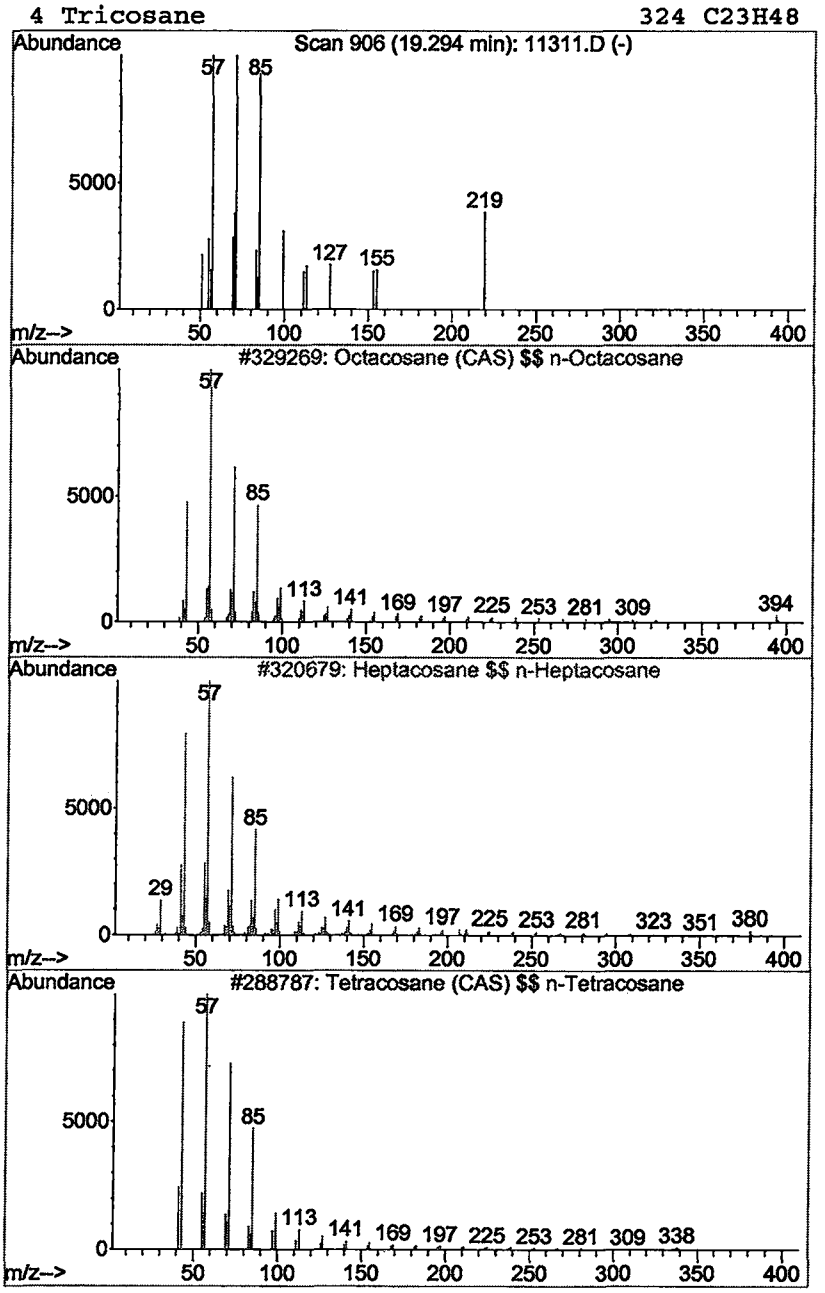
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

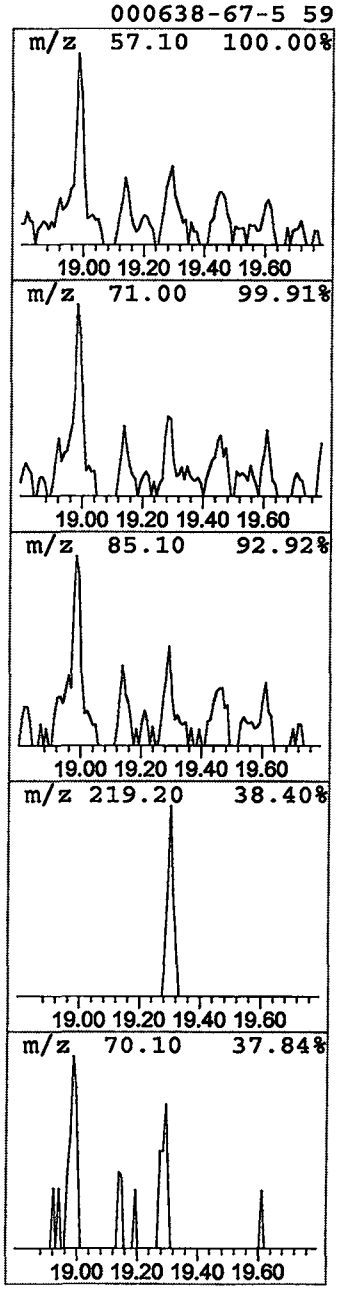
****

Peak Number 8 Octacosane (CAS) $$ n-Octac... Concentration Rank 18

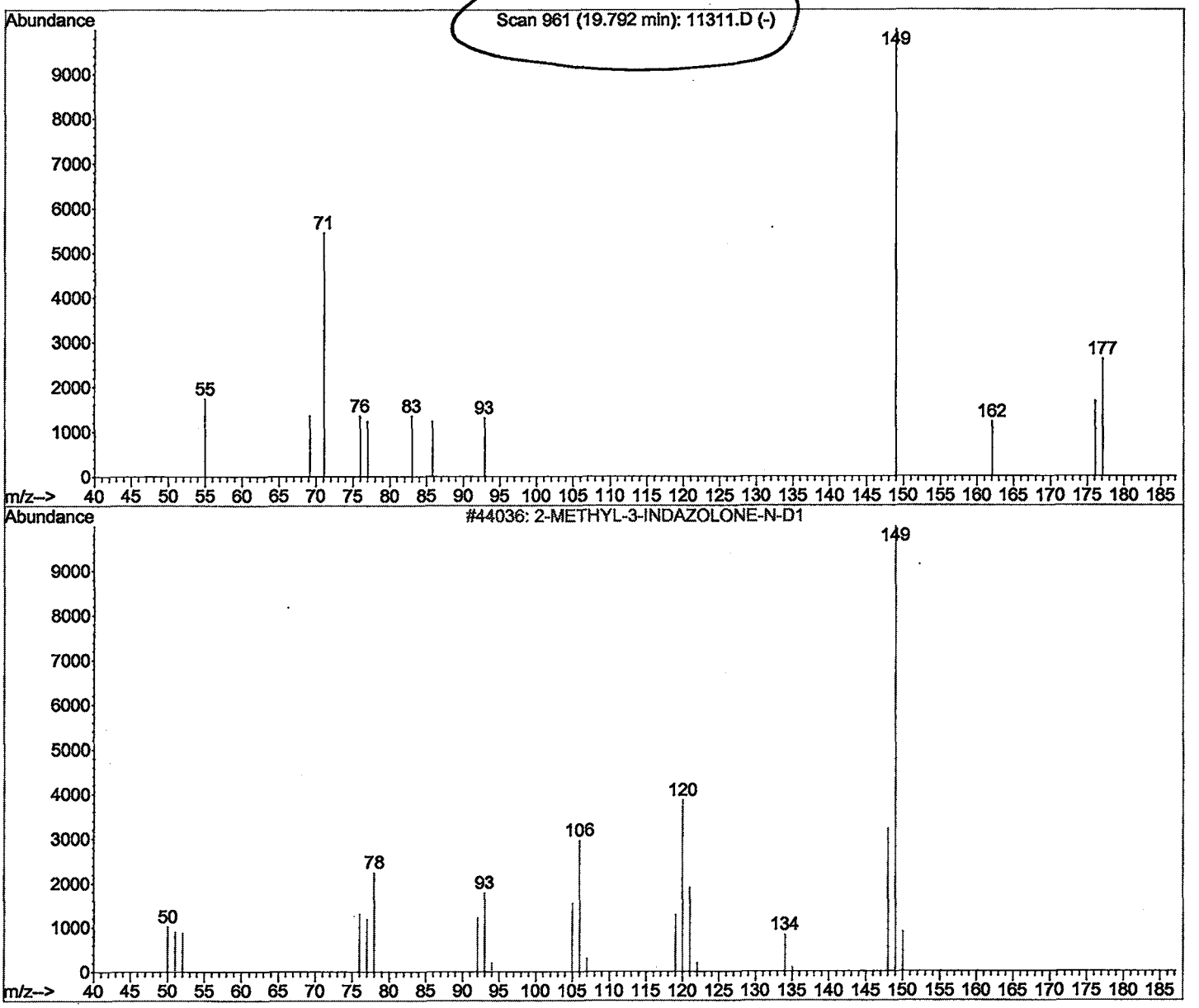
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	0.06 ug/L	57676	Acenaphthene-d10	18.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane (CAS) $$ n-Octacosane	394	C28H58	000630-02-4	64
2	Heptacosane $$ n-Heptacosane	380	C27H56	000593-49-7	64
3	Tetracosane (CAS) $$ n-Tetracosane	338	C24H50	000646-31-1	64
4	Tricosane	324	C23H48	000638-67-5	59

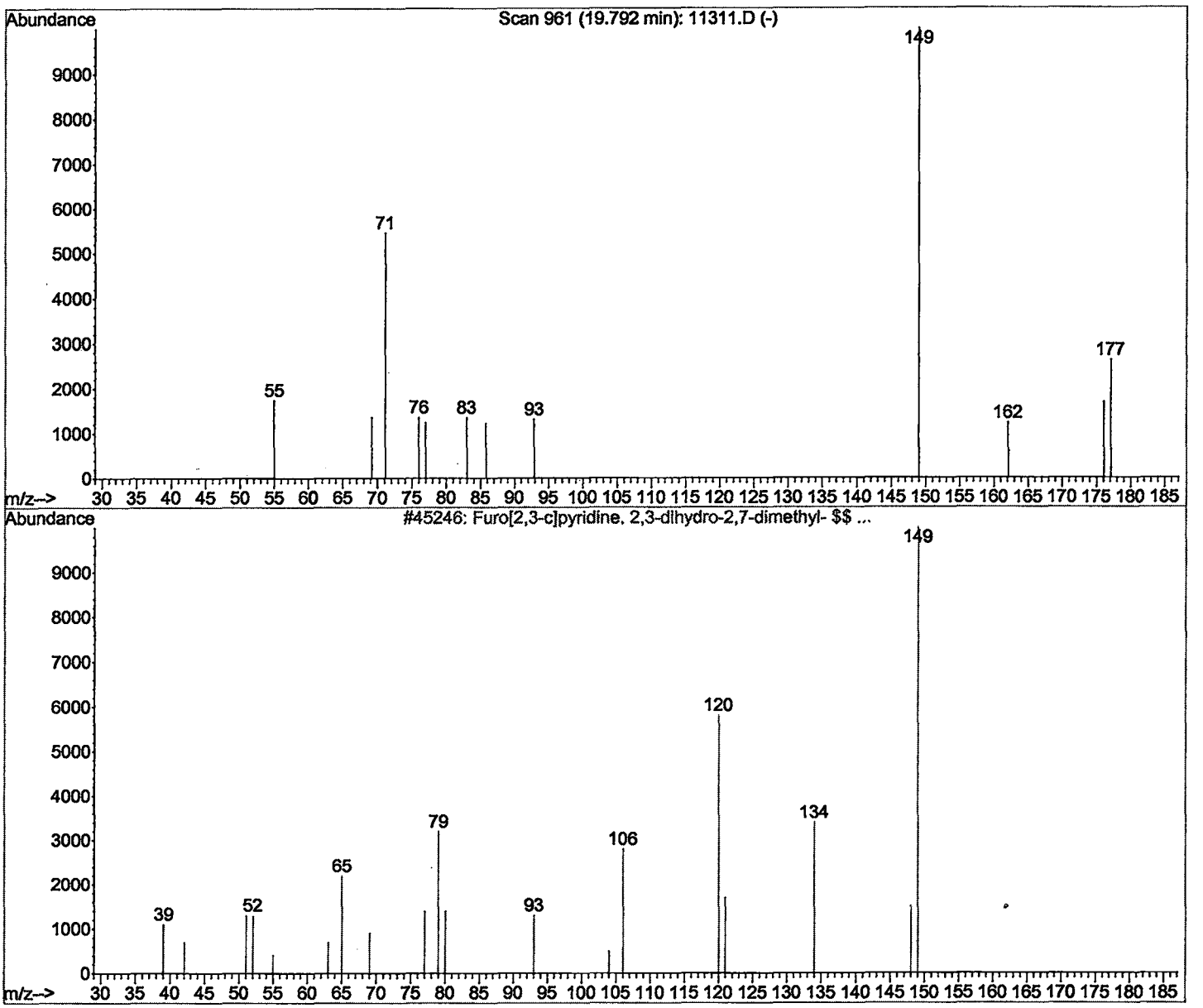




Library Searched : C:\Database\wiley7n.l
Quality : 32
ID : 2-METHYL-3-INDAZOLONE-N-D1



Library Searched : C:\Database\wiley7n.l
Quality : 9
ID : Furo[2,3-c]pyridine, 2,3-dihydro-2,7-dimethyl- $$ 2,7-Dimethyl-2,3-dihydrofuro(2,3-c)pyridine



Library Searched : C:\Database\wiley7n.l
Quality : 9
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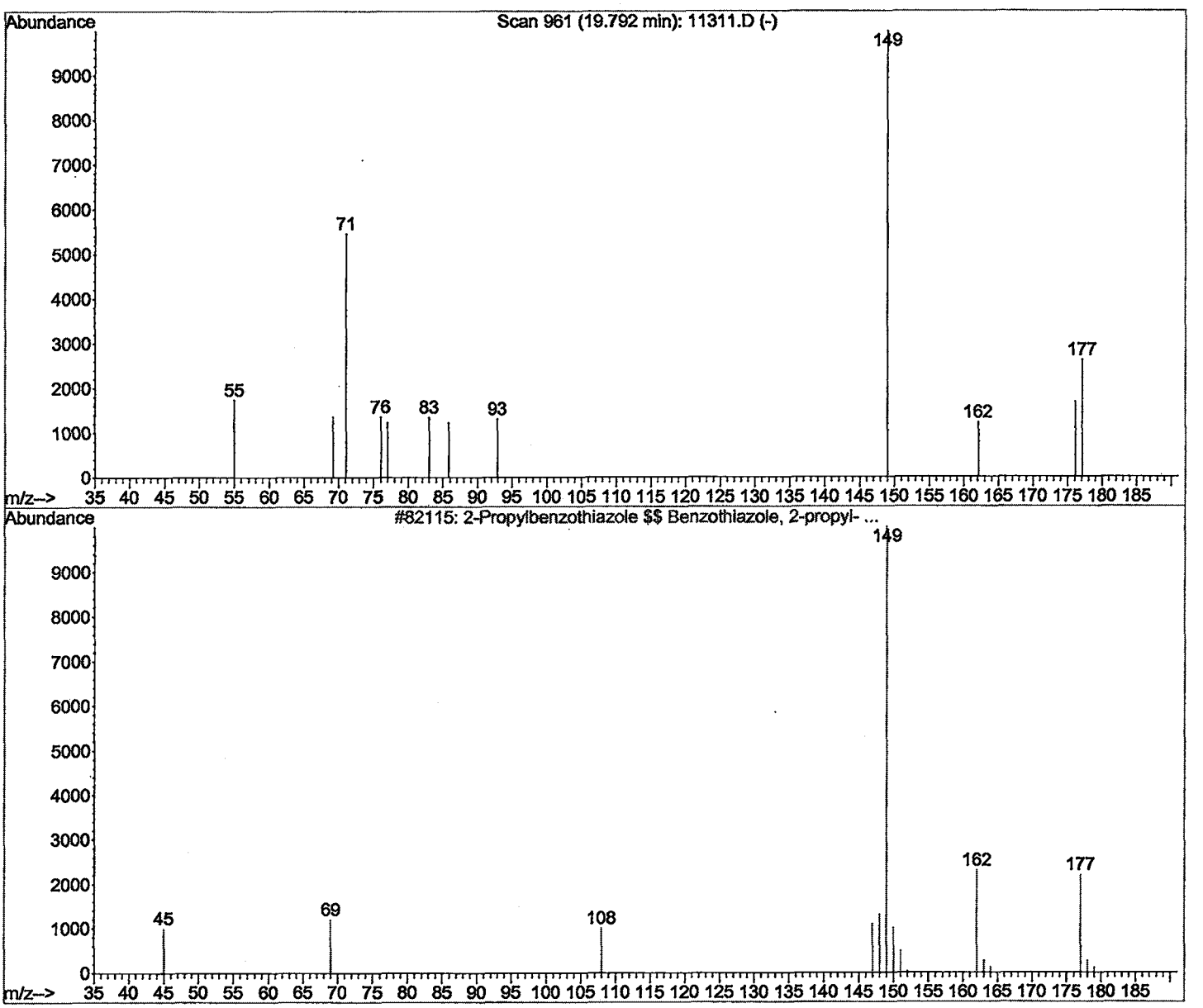
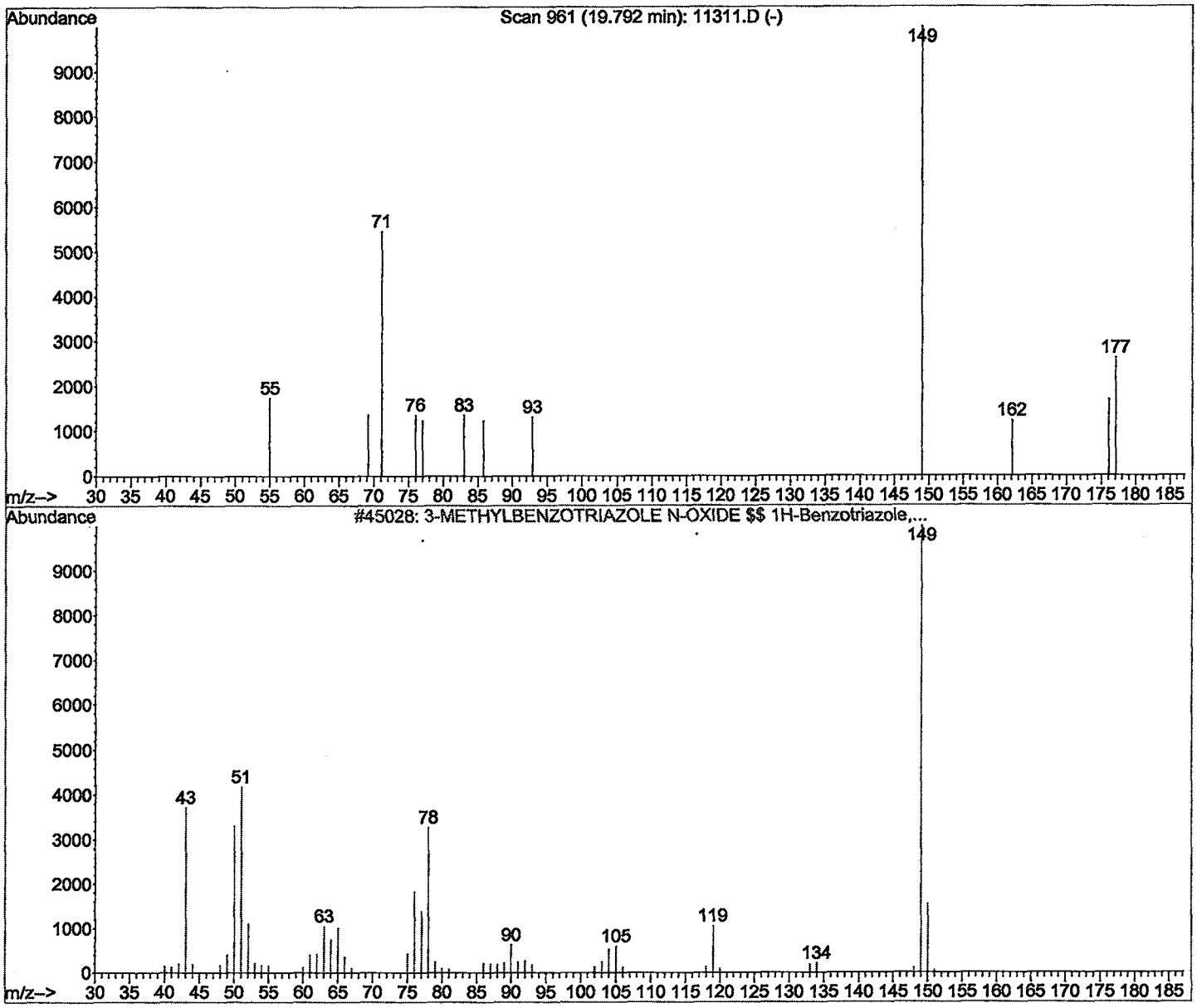


Library Searched : C:\Database\wiley7n.l
Quality : 9
ID : 3-METHYLBENZOTRIAZOLE N-OXIDE $$ 1H-Benzotriazole, 1-hydroxy-6-methyl- (CAS)



Library Searched : C:\Database\wiley7n.l
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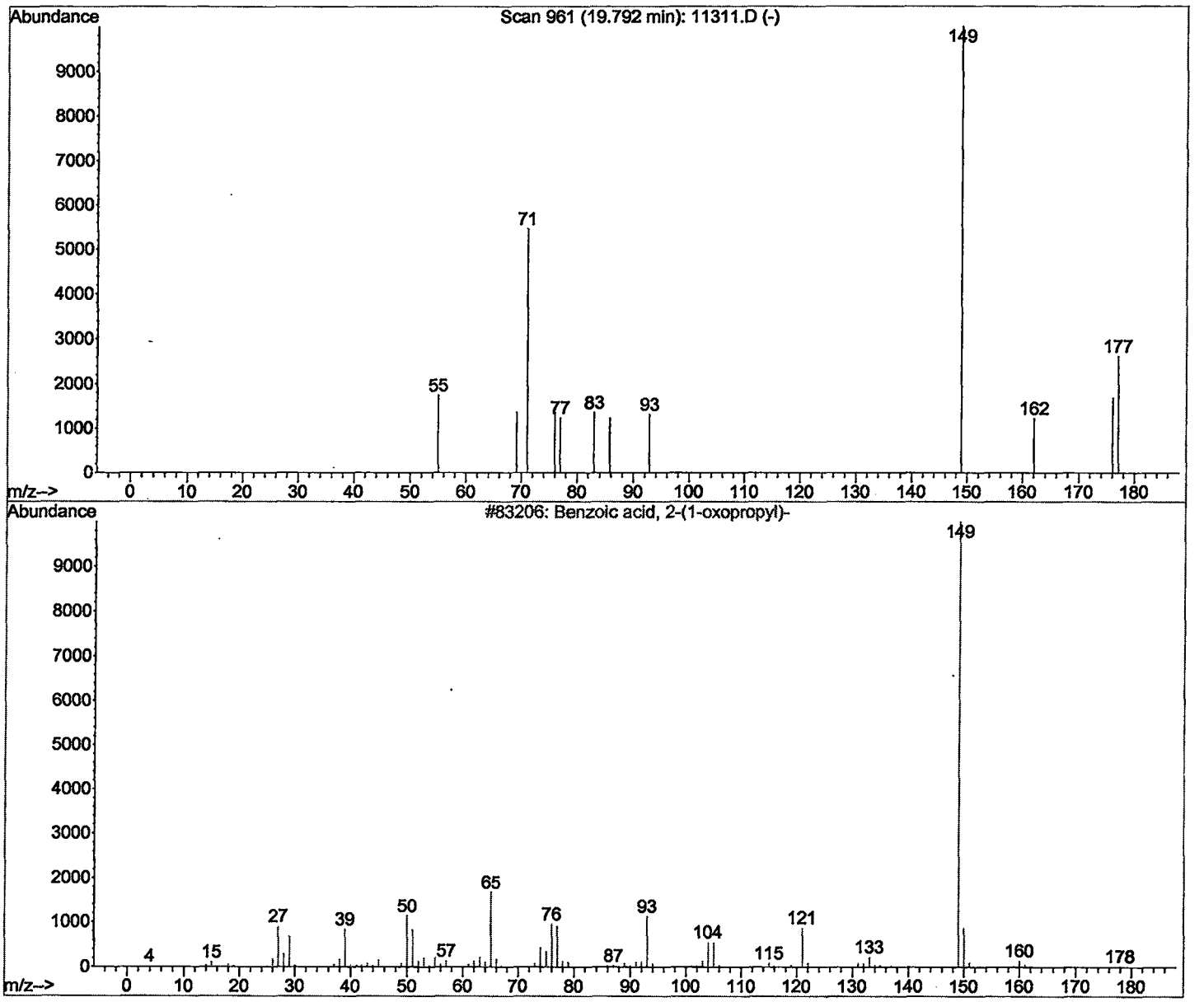

Library Searched : C:\Database\wiley7n.l
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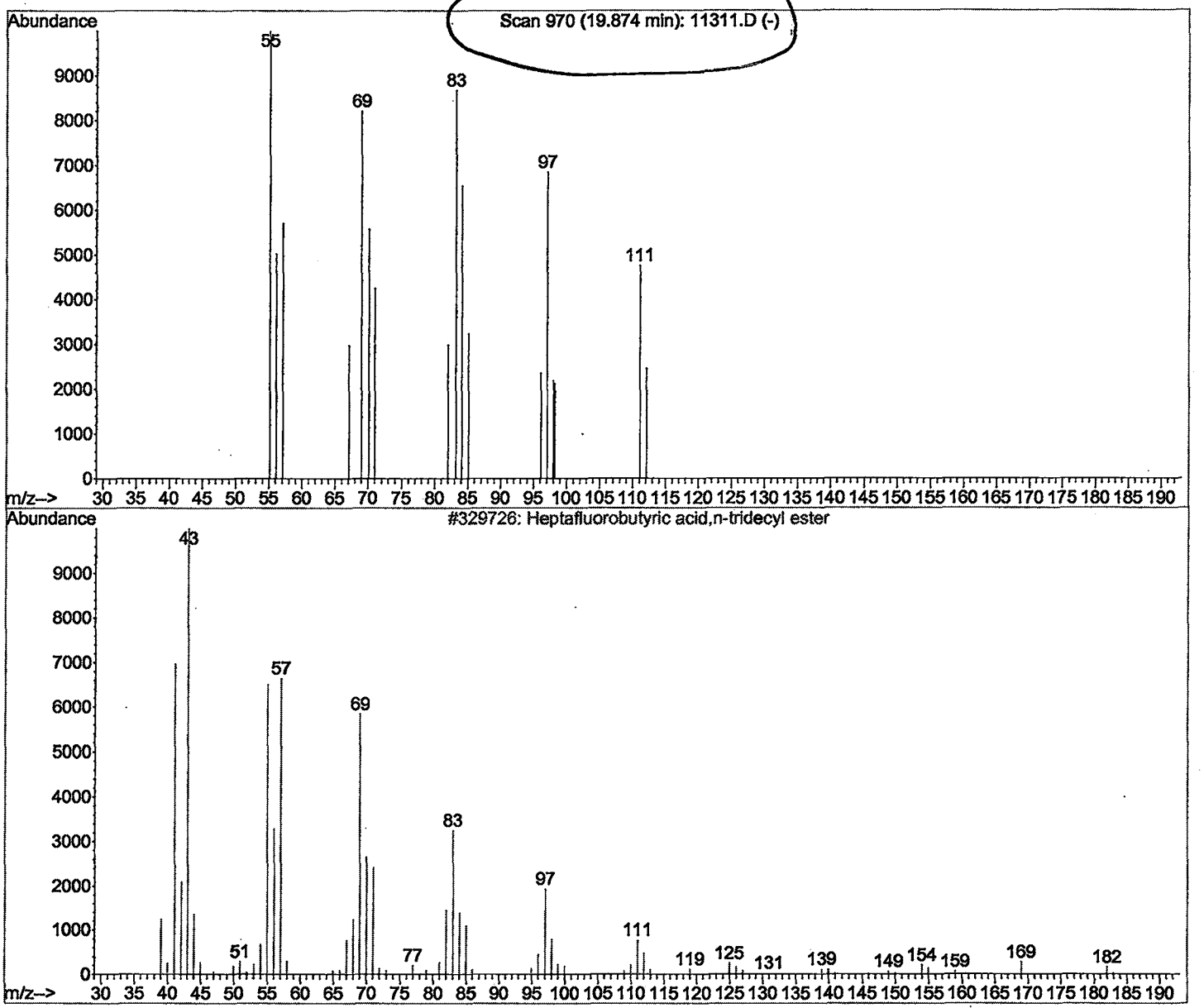

Library Searched : C:\Database\wiley7n.l
Quality : 64
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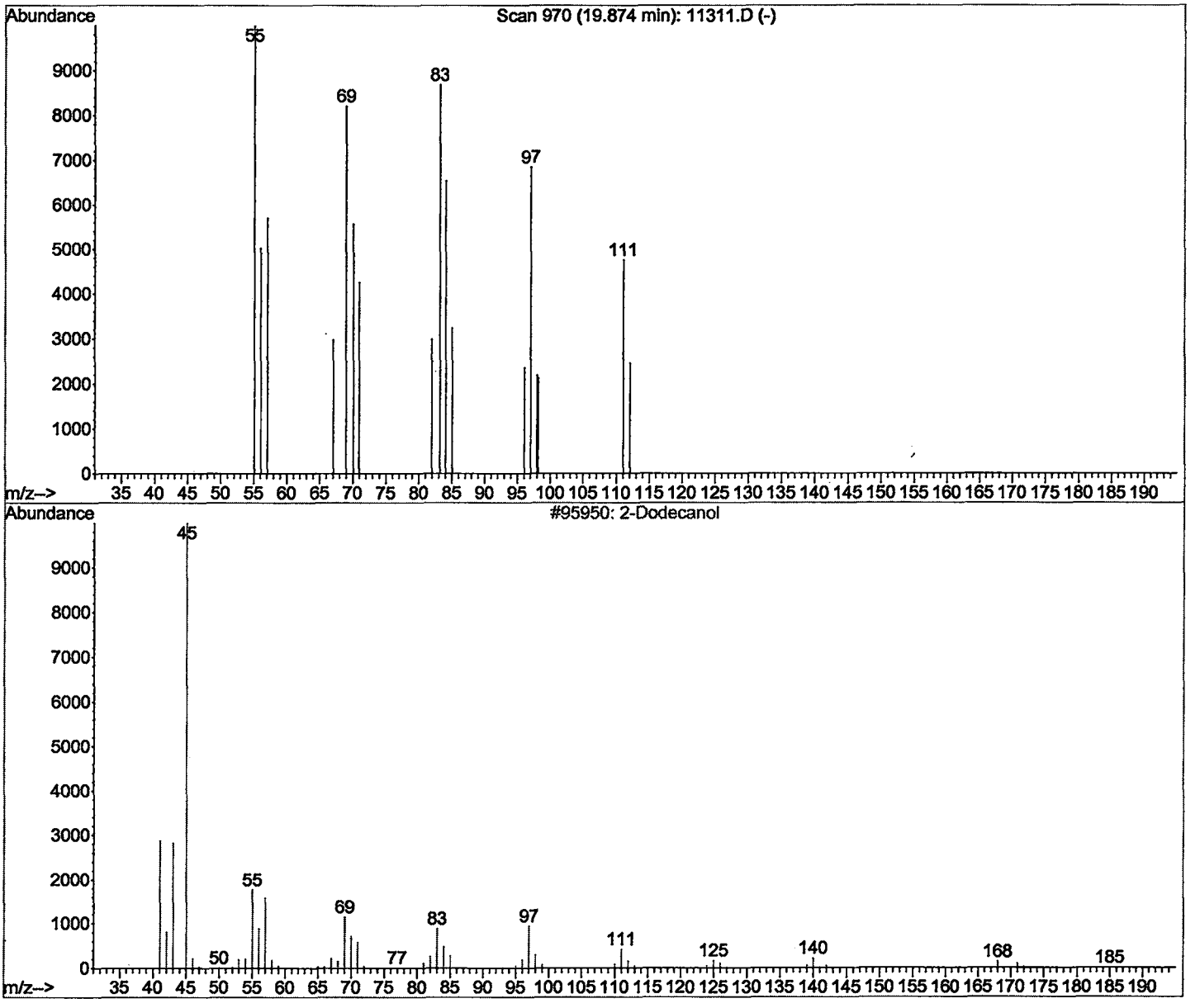
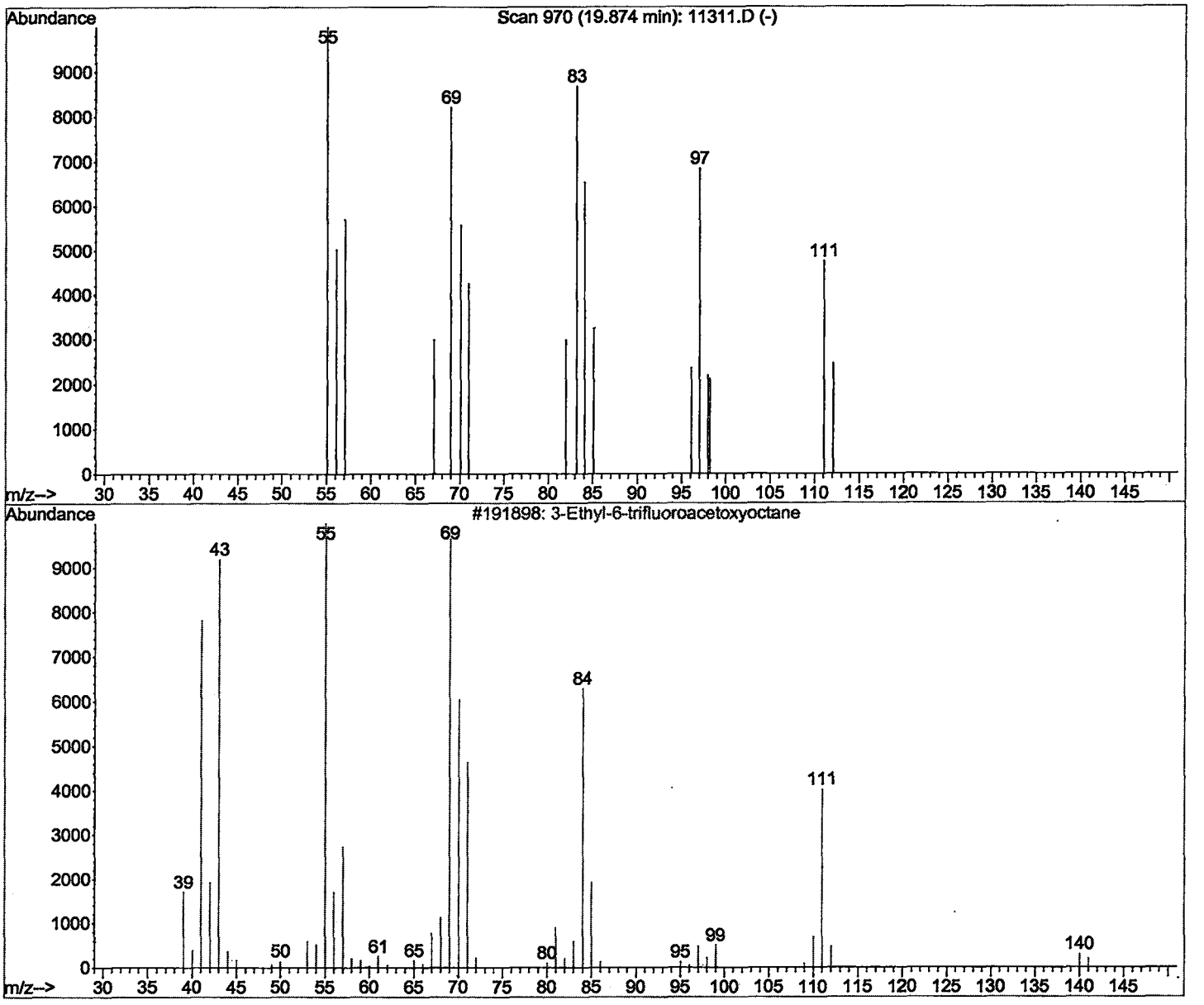


Library Searched : C:\Database\wiley7n.l
Quality : 43
ID : 3-Ethyl-6-trifluoroacetoxyoctane



Library Searched : C:\Database\wiley7n.l
Quality : 43
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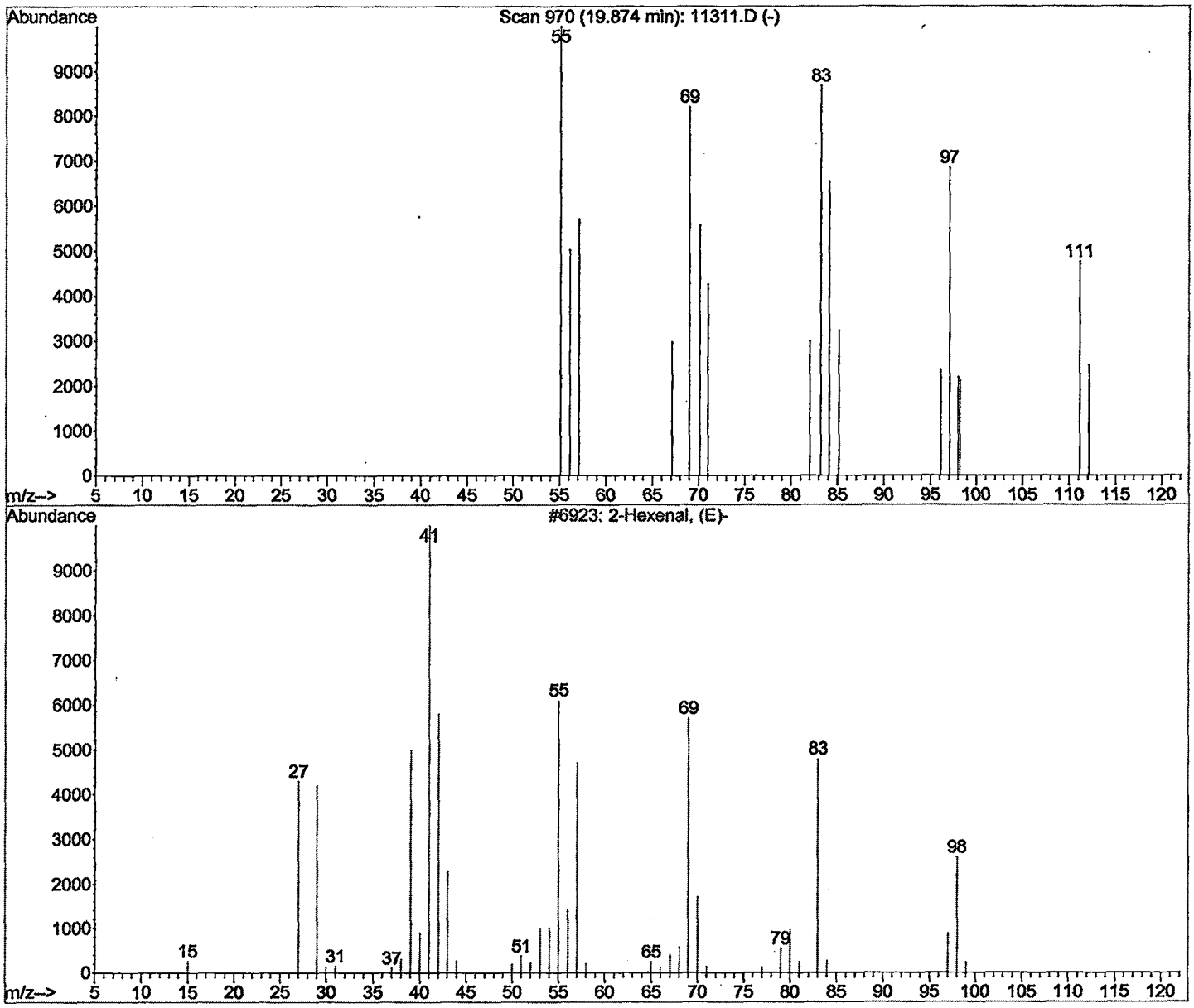
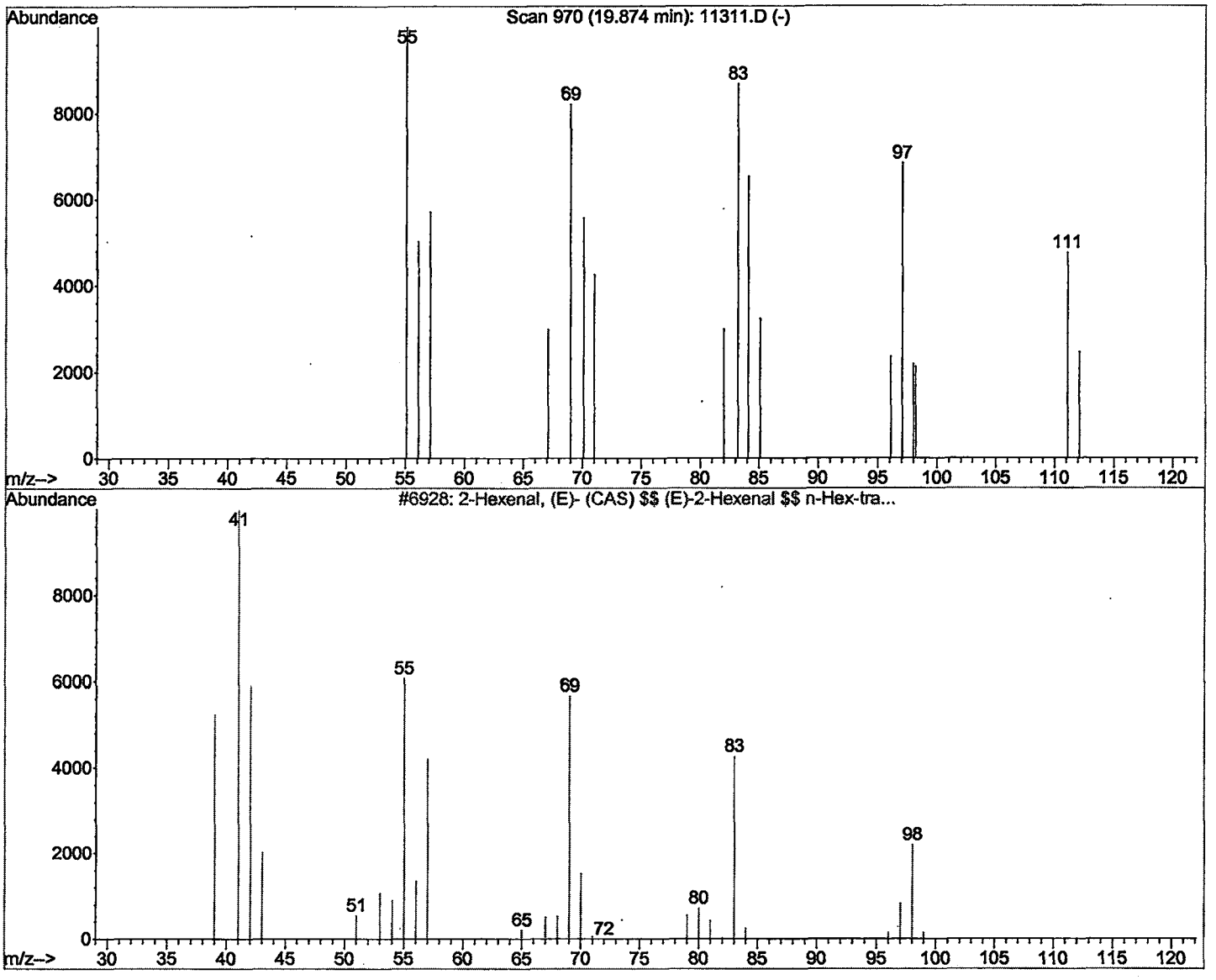


Library Searched : C:\Database\wiley7n.l
Quality : 43
ID : 2-Hexenal, (E)- (CAS) $$ (E)-2-Hexenal $$ n-Hex-trans-2-enal $$ trans-Hex-2-enal $$ trans-2-Hexen-1-al $$ trans-2-Hexenal $$ Leaf aldehyde $$ 2-trans-Hexenal $$ E-2-hexenal $$ 2-HEXENAL $$ .beta.-Propyl acrolein



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

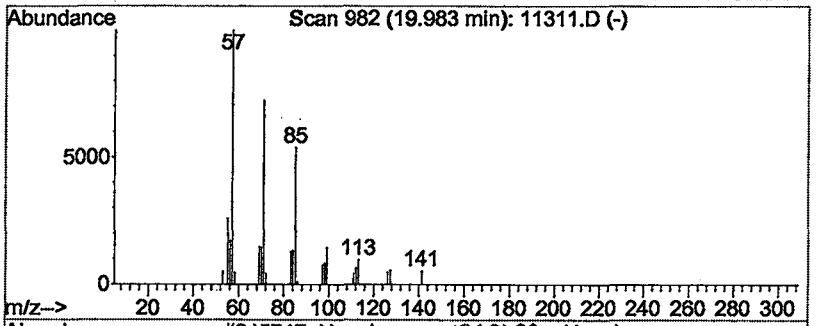
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

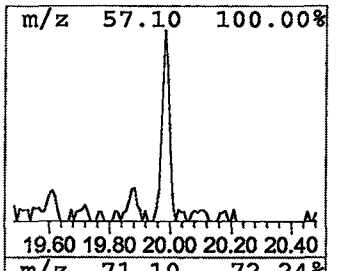
****

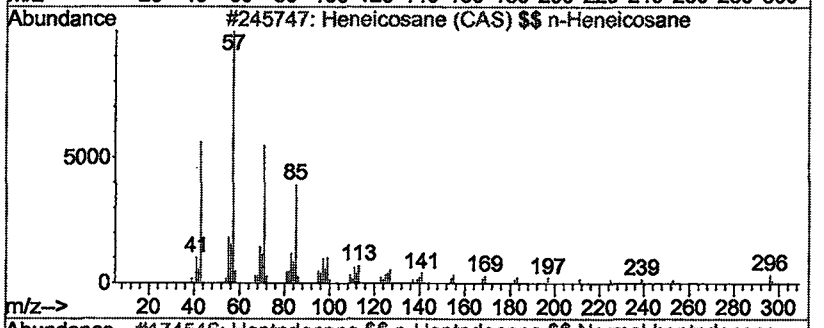
Peak Number 9 Heneicosane (CAS) $$ n-Hene... Concentration Rank 10

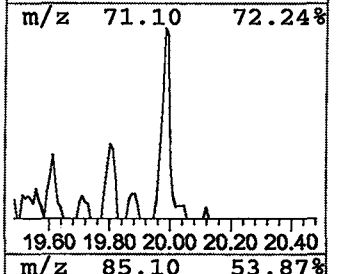
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	0.09 ug/L	83099	Acenaphthene-d10	18.21

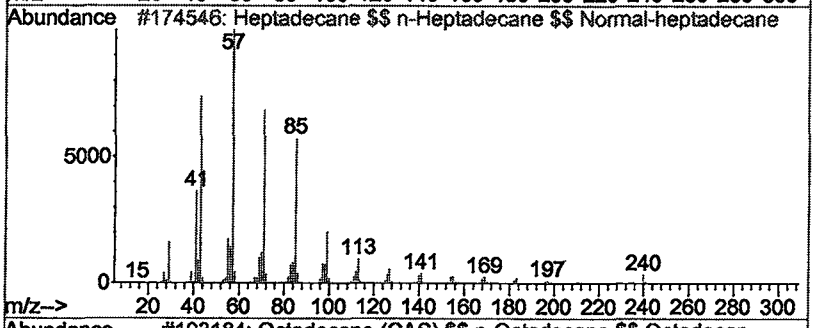
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane (CAS) $$ n-Heneicosane	296	C21H44	000629-94-7	91
2	Heptadecane $$ n-Heptadecane $$ ...	240	C17H36	000629-78-7	91
3	Octadecane (CAS) $$ n-Octadecane...	254	C18H38	000593-45-3	90
4	Octadecane	254	C18H38	000593-45-3	90

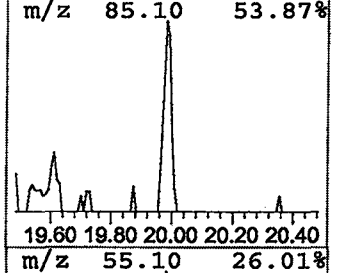


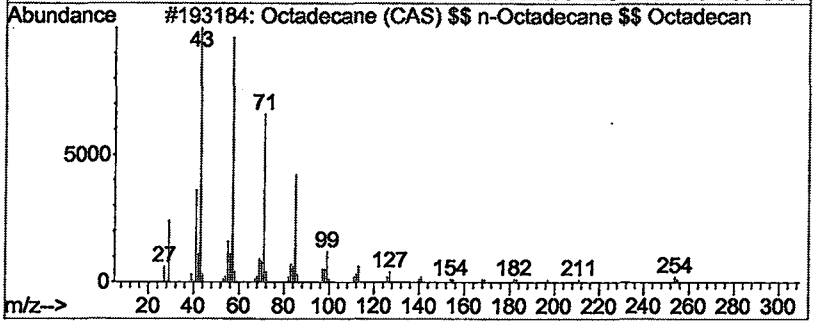


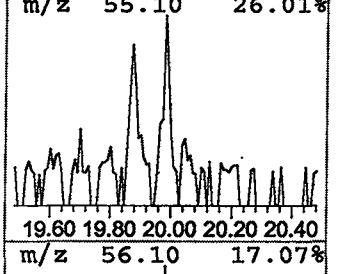


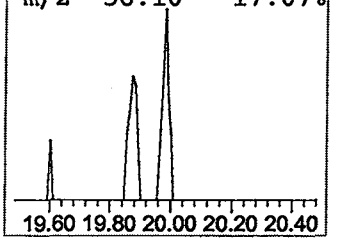












Library Search Compound Report

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Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

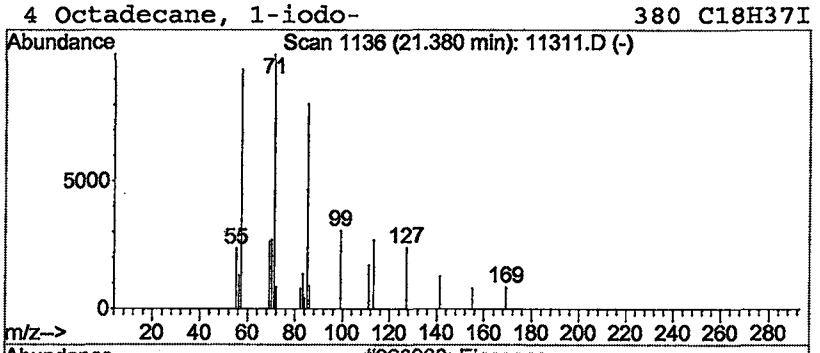
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

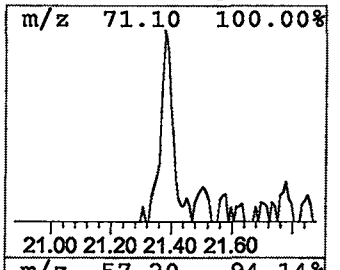
****

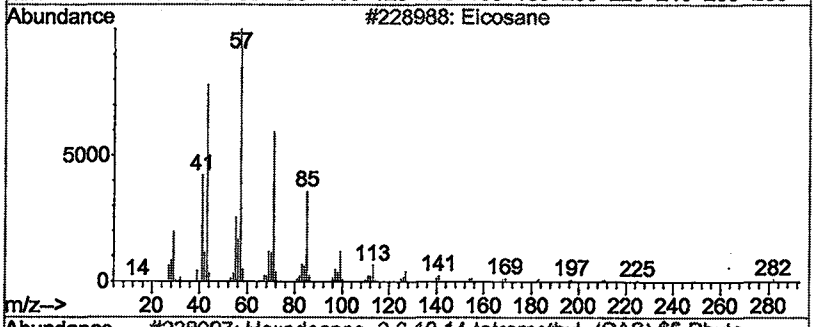
Peak Number 10 Eicosane Concentration Rank 11

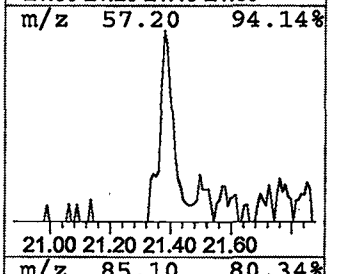
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	0.08 ug/L	84708	Phenanthrene d-10	22.53

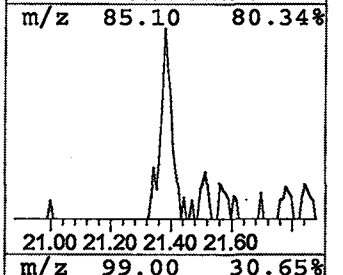
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	78
2	Hexadecane, 2,6,10,14-tetramethy...	282	C20H42	000638-36-8	78
3	Hexatriacontane	507	C36H74	000630-06-8	78
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	72

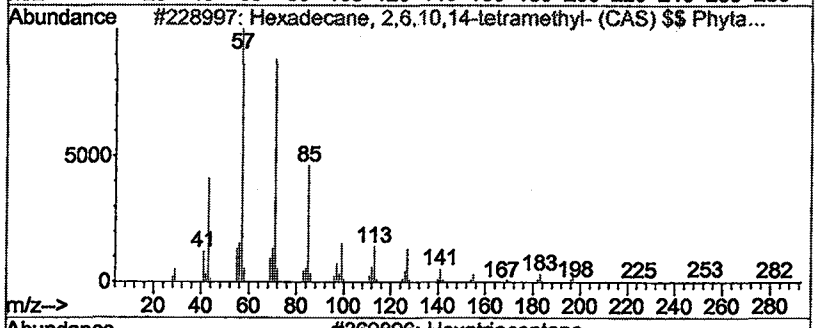


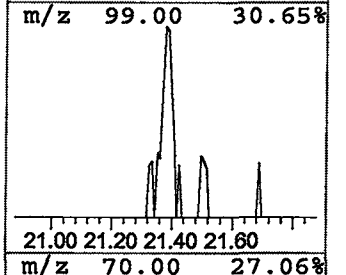


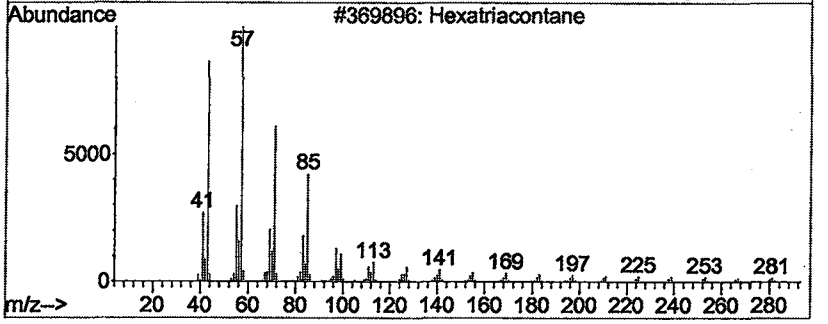


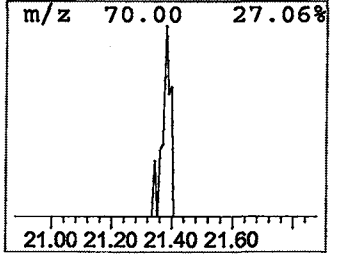












Library Search Compound Report

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Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

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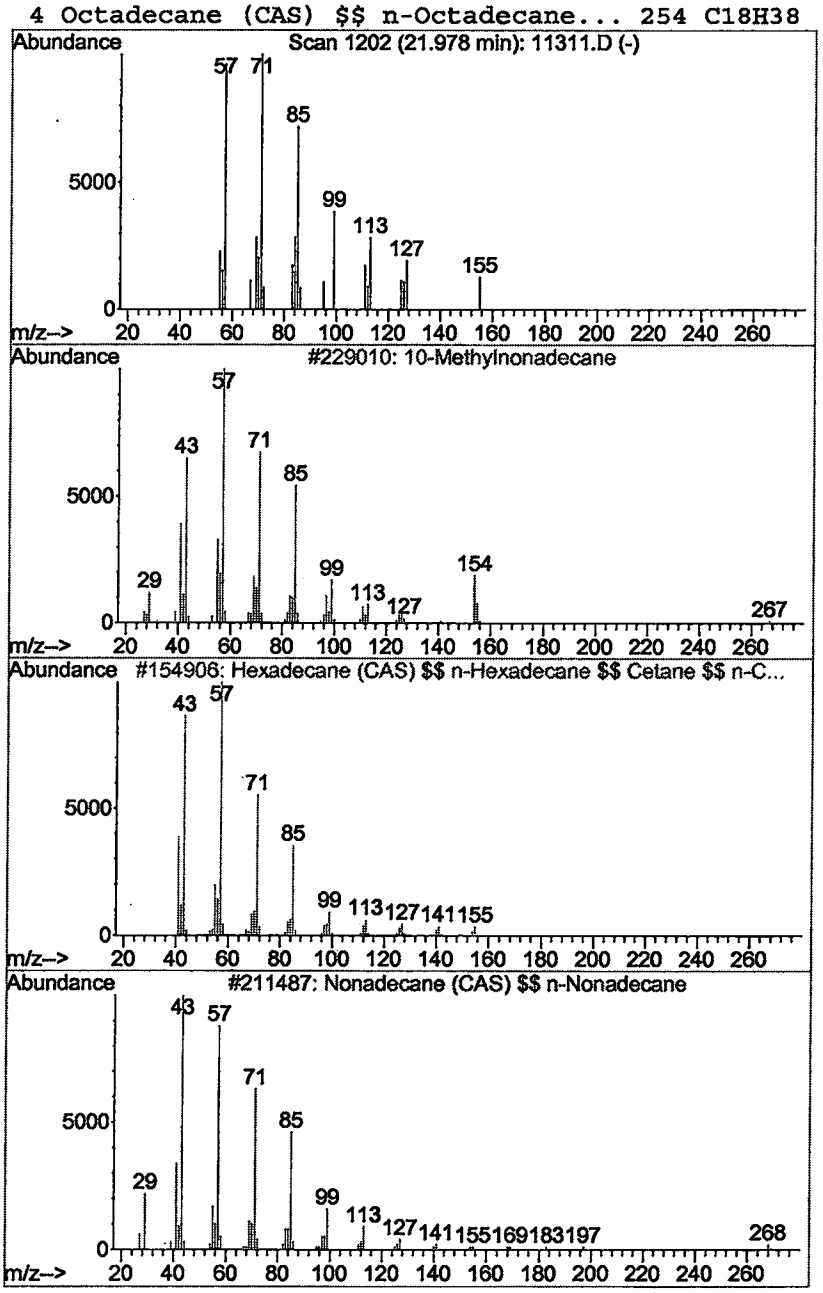
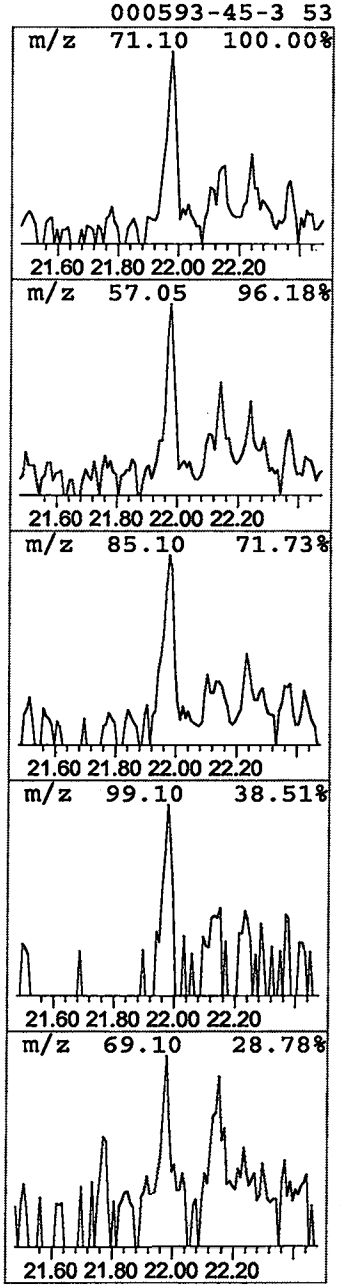
Peak Number 11 10-Methylnonadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.98	0.08 ug/L	81023	Phenanthrene d-10	22.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	59
2	Hexadecane (CAS) $$ n-Hexadecane...	226	C16H34	000544-76-3	59
3	Nonadecane (CAS) $$ n-Nonadecane	268	C19H40	000629-92-5	59
4	Octadecane (CAS) $$ n-Octadecane...	254	C18H38	000593-45-3	53





Library Search Compound Report

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Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

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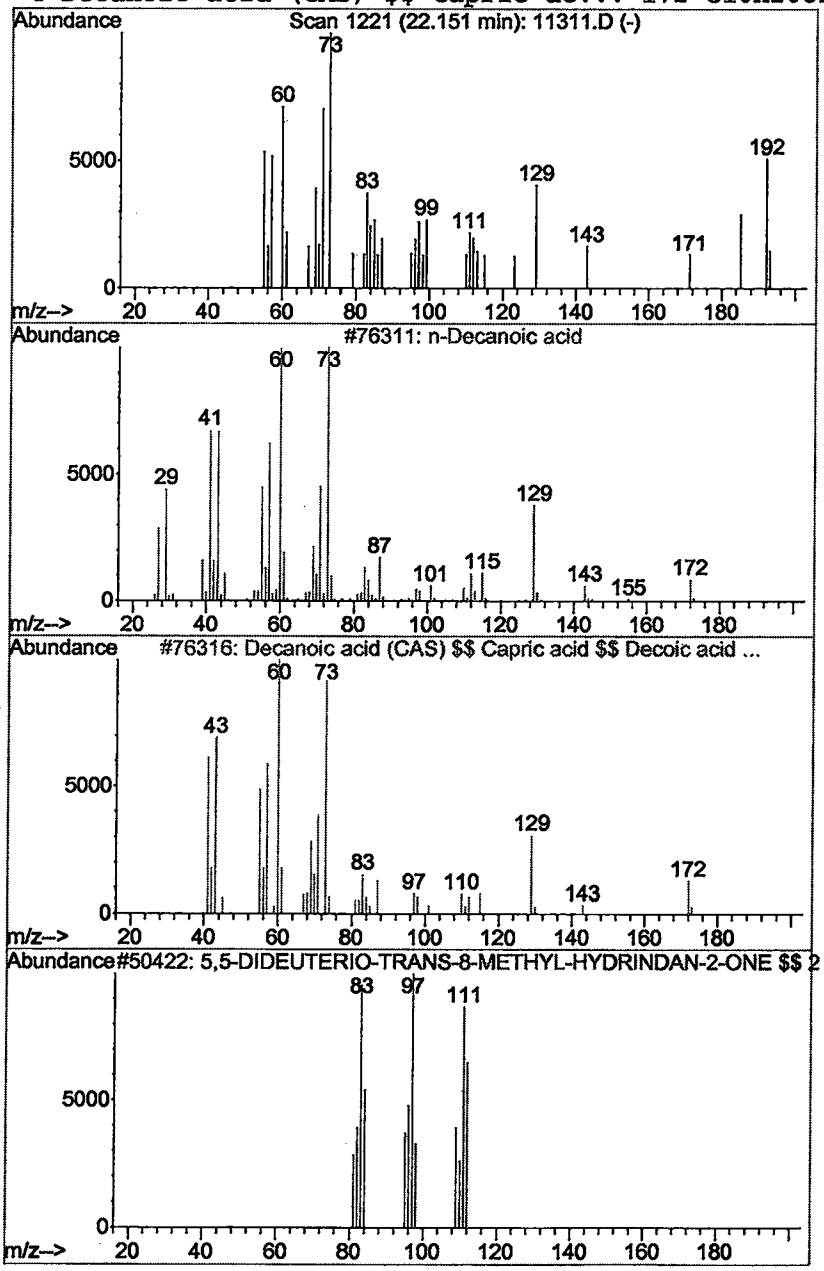
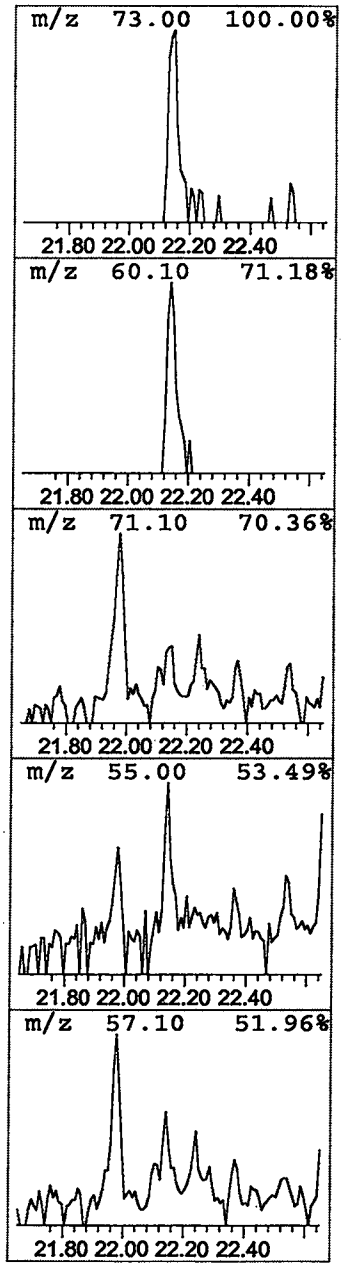
Peak Number 12 n-Decanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.15	0.14 ug/L	144344	Phenanthrene d-10	22.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	27
2	Decanoic acid (CAS) $$ Capric ac...	172	C10H20O2	000334-48-5	27
3	5,5-DIDEUTERIO-TRANS-8-METHYL-HY...	154	C10H14D2O	054725-12-1	25
4	Decanoic acid (CAS) $$ Capric ac...	172	C10H20O2	000334-48-5	22





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Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

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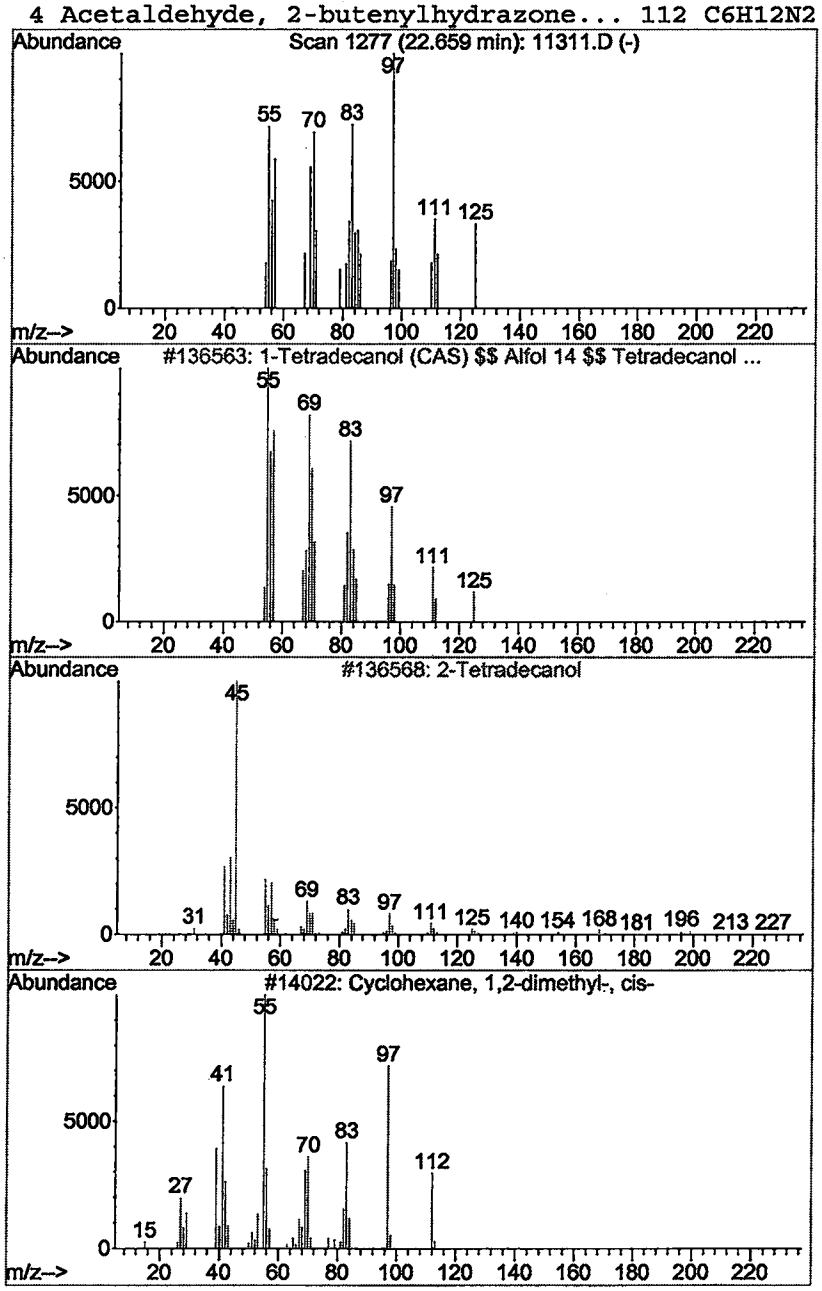
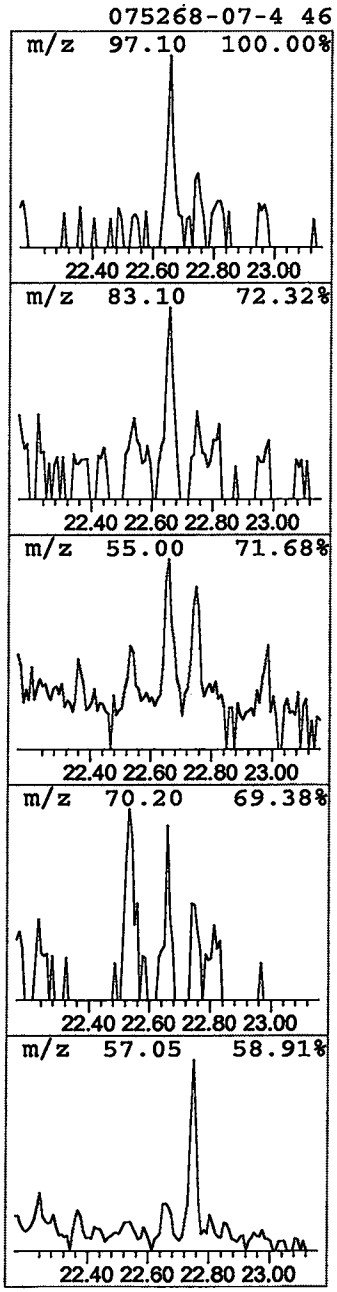
Peak Number 13 1-Tetradecanol (CAS) $$ Alf... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.66	0.06 ug/L	61426	Phenanthrene d-10	22.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tetradecanol (CAS) $$ Alfol 14...	214	C14H30O	000112-72-1	53
2	2-Tetradecanol	214	C14H30O	004706-81-4	49
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	46
4	Acetaldehyde, 2-butenylhydrazone...	112	C6H12N2	075268-07-4	46





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Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
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MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

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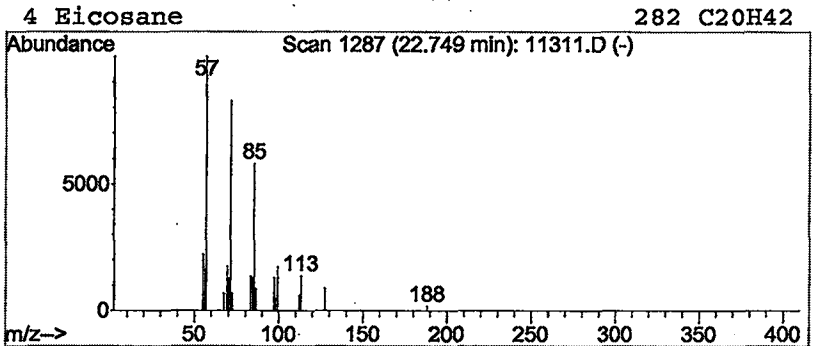
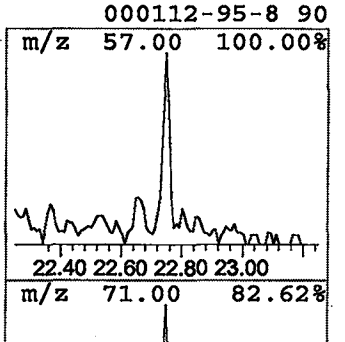
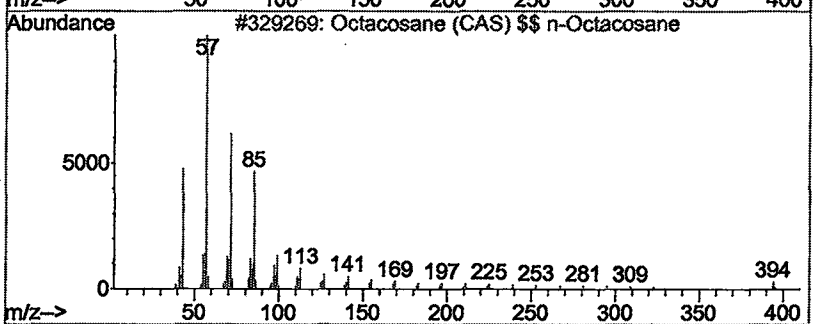
Peak Number 14 Octacosane (CAS) $$ n-Octac... Concentration Rank 14

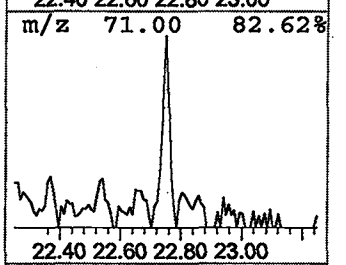
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	0.08 ug/L	79246	Phenanthrene d-10	22.53

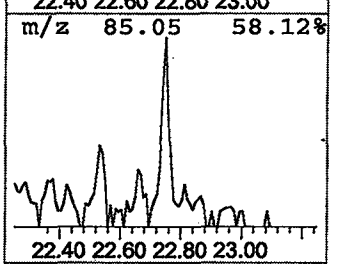
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane (CAS) $$ n-Octacosane	394	C28H58	000630-02-4	91
2	Heneicosane $$ n-Heneicosane	296	C21H44	000629-94-7	91
3	Docosane $$ n-Docosane $$ Normal...	310	C22H46	000629-97-0	91
4	Eicosane	282	C20H42	000112-95-8	90

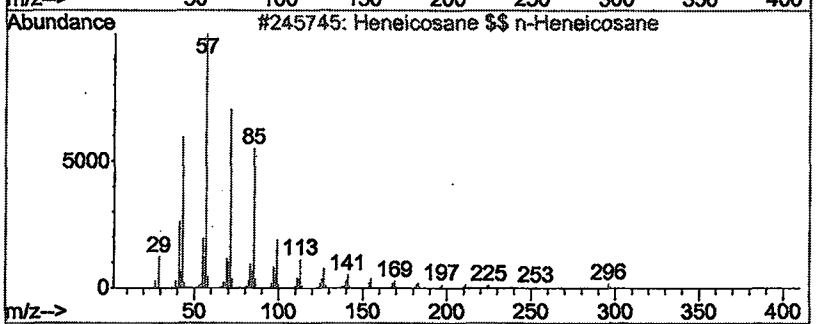


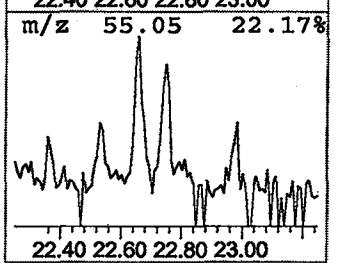


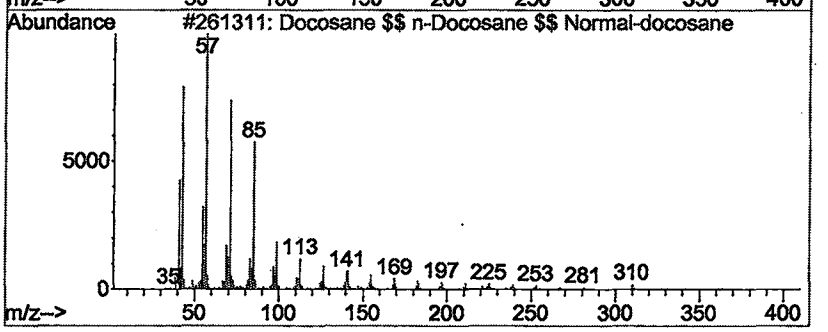


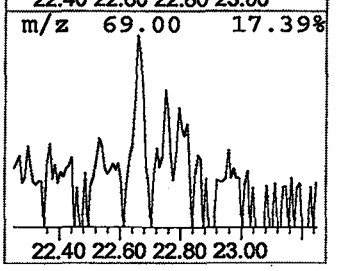












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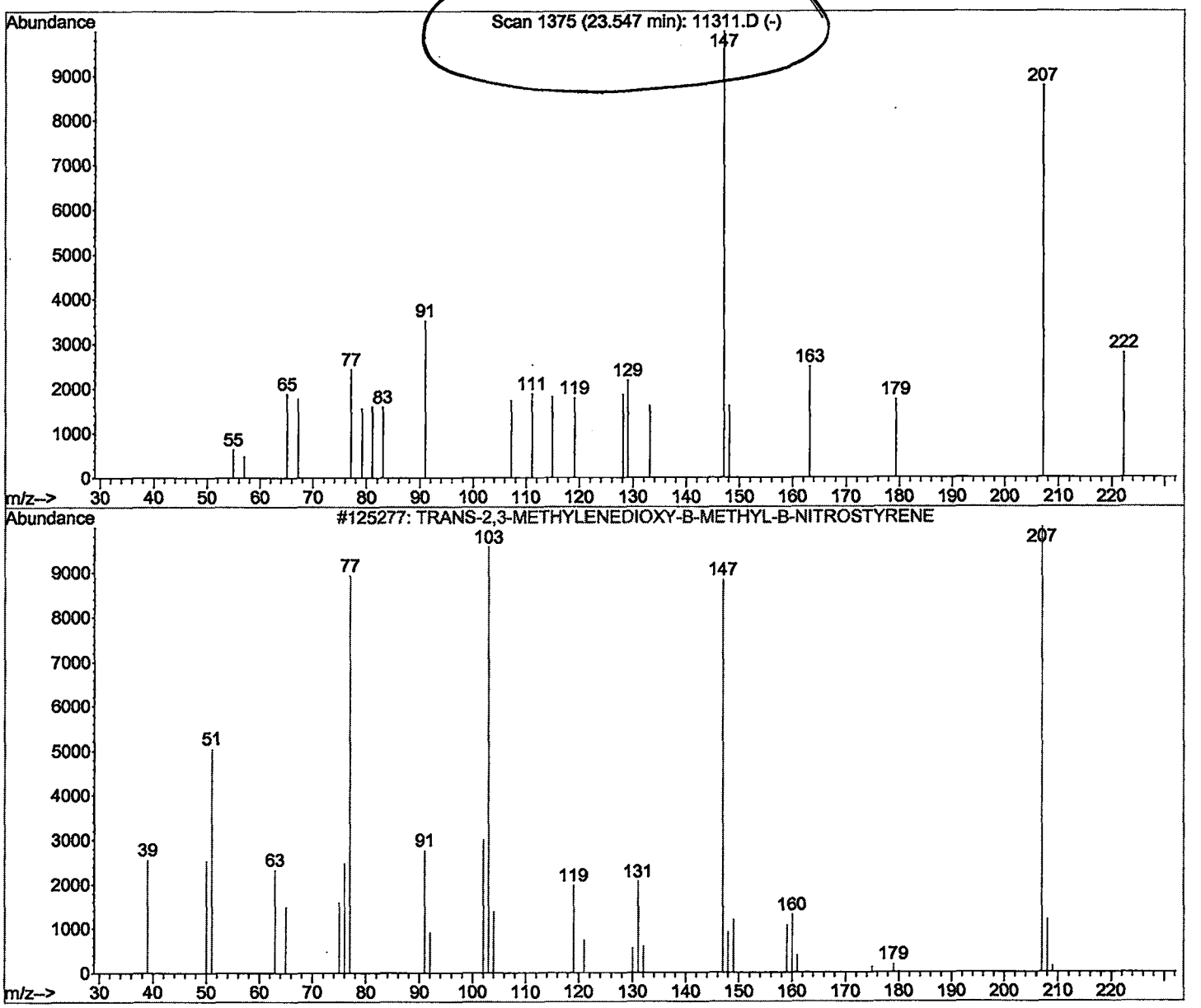

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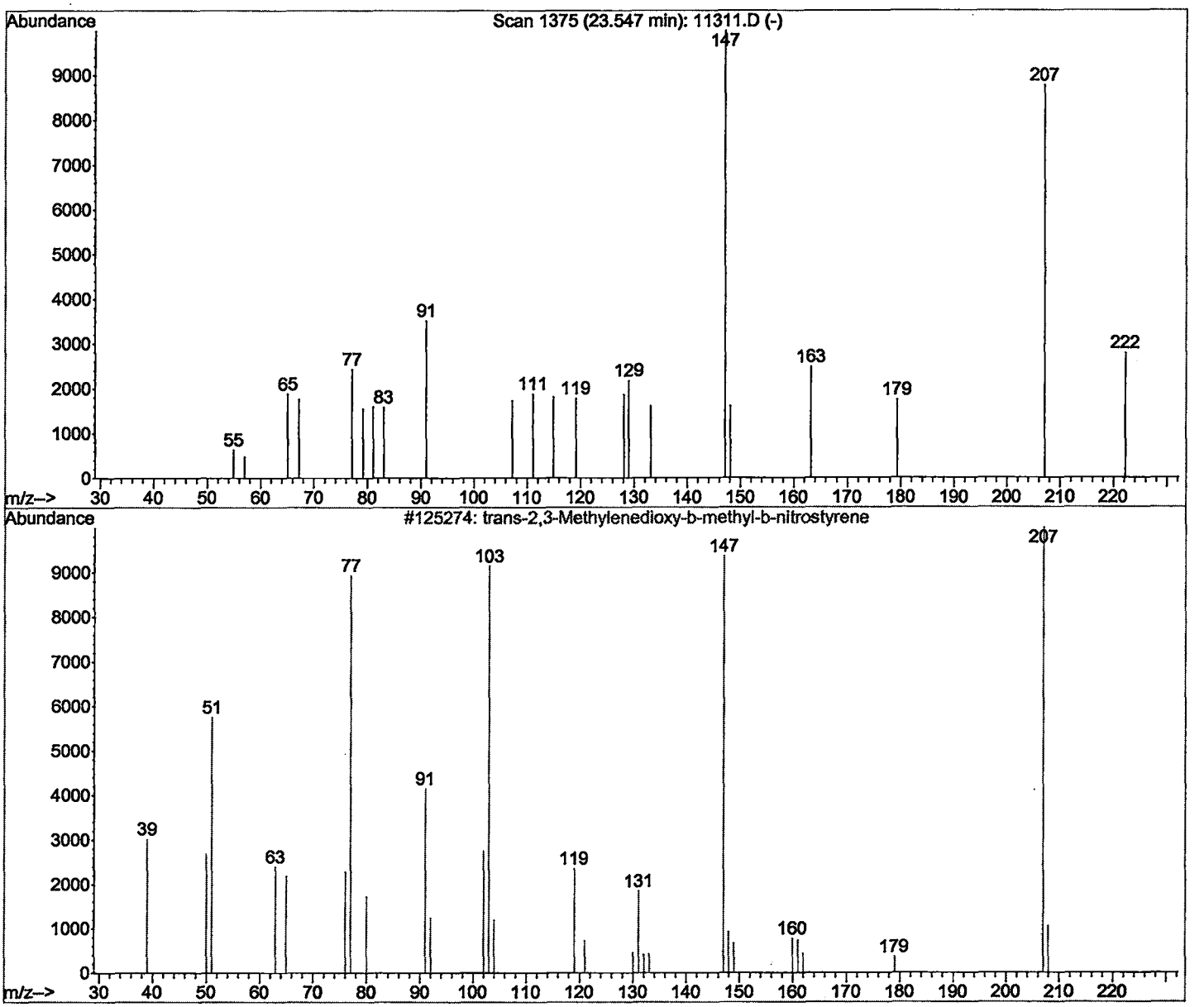

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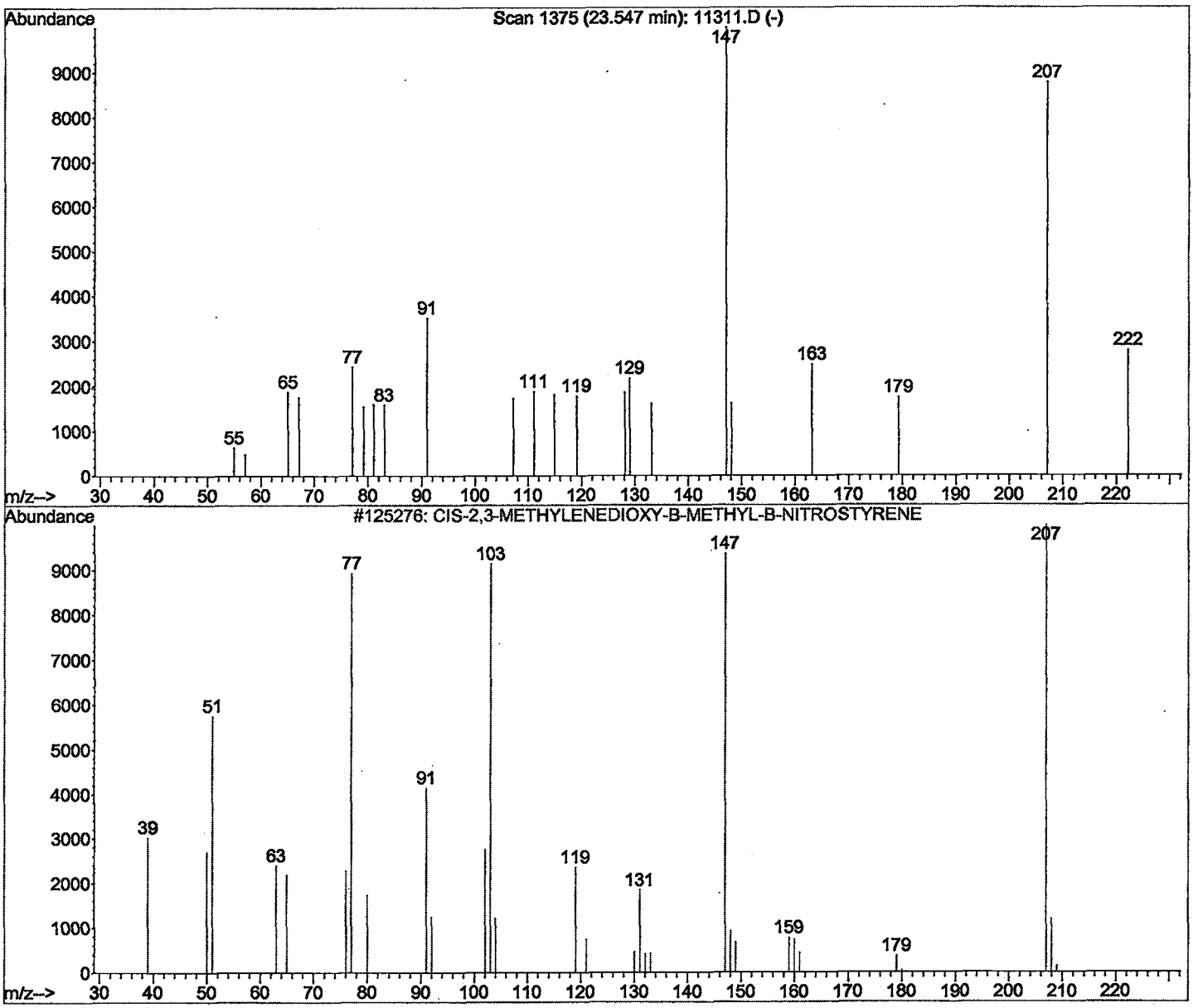

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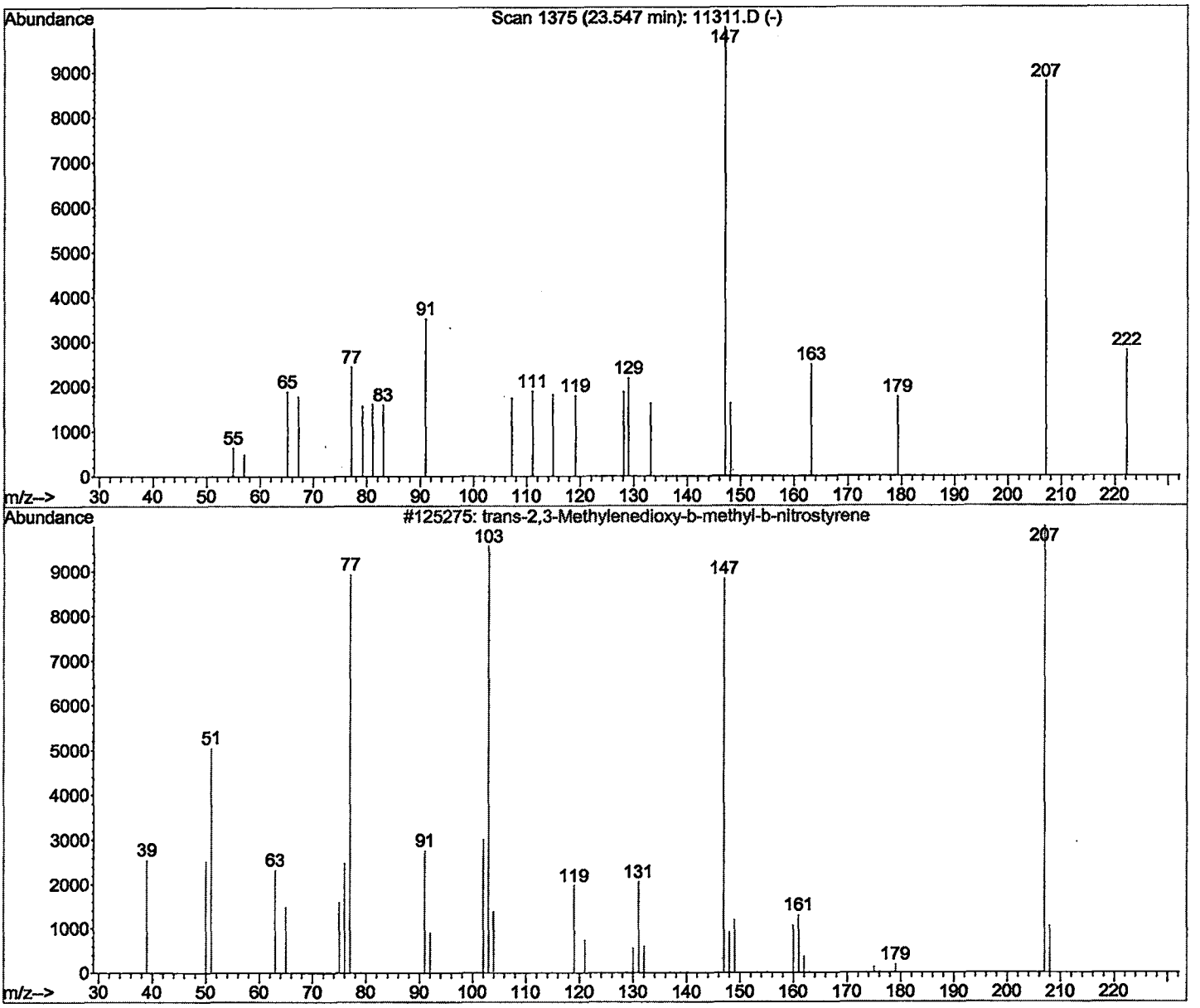

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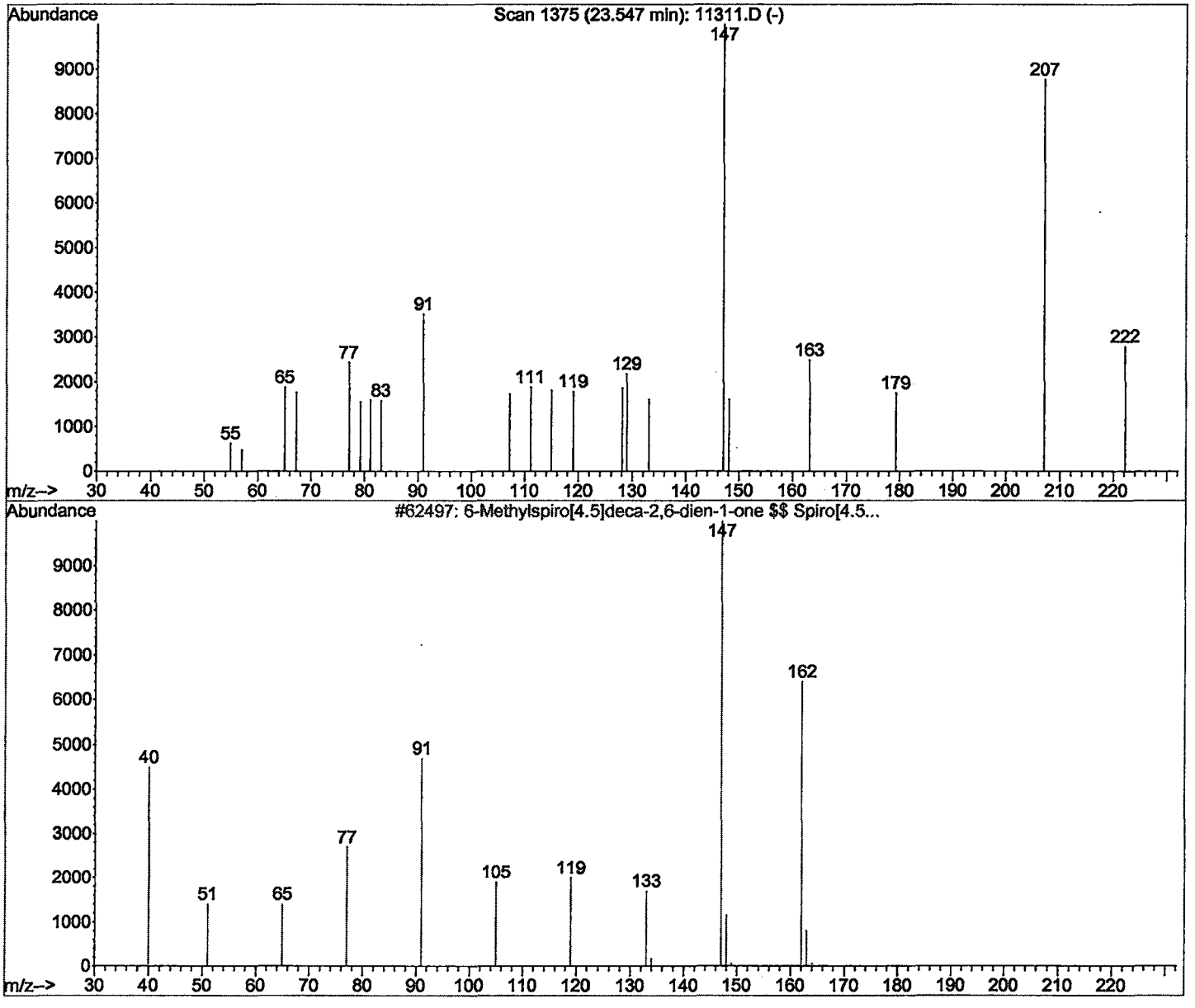

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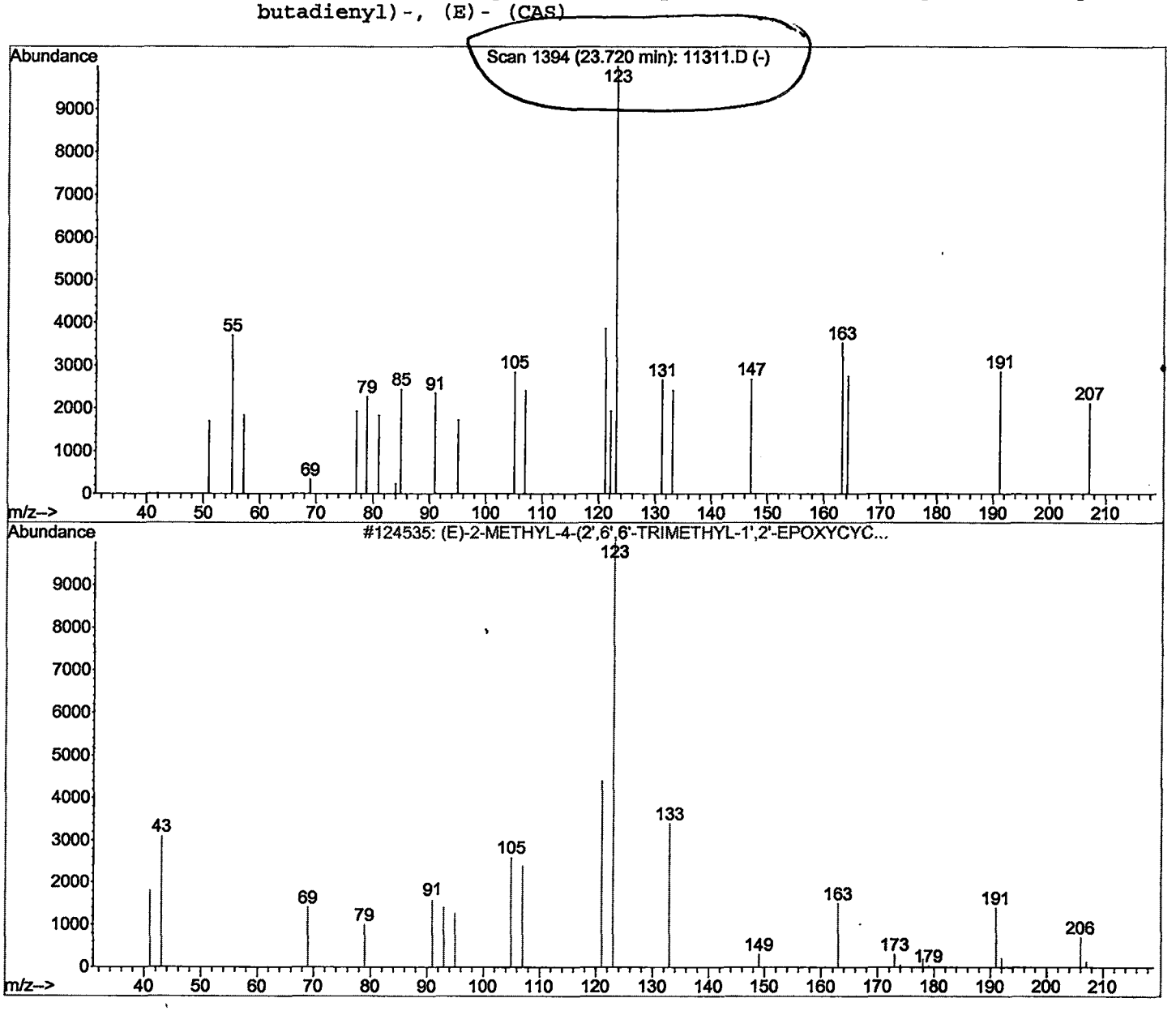

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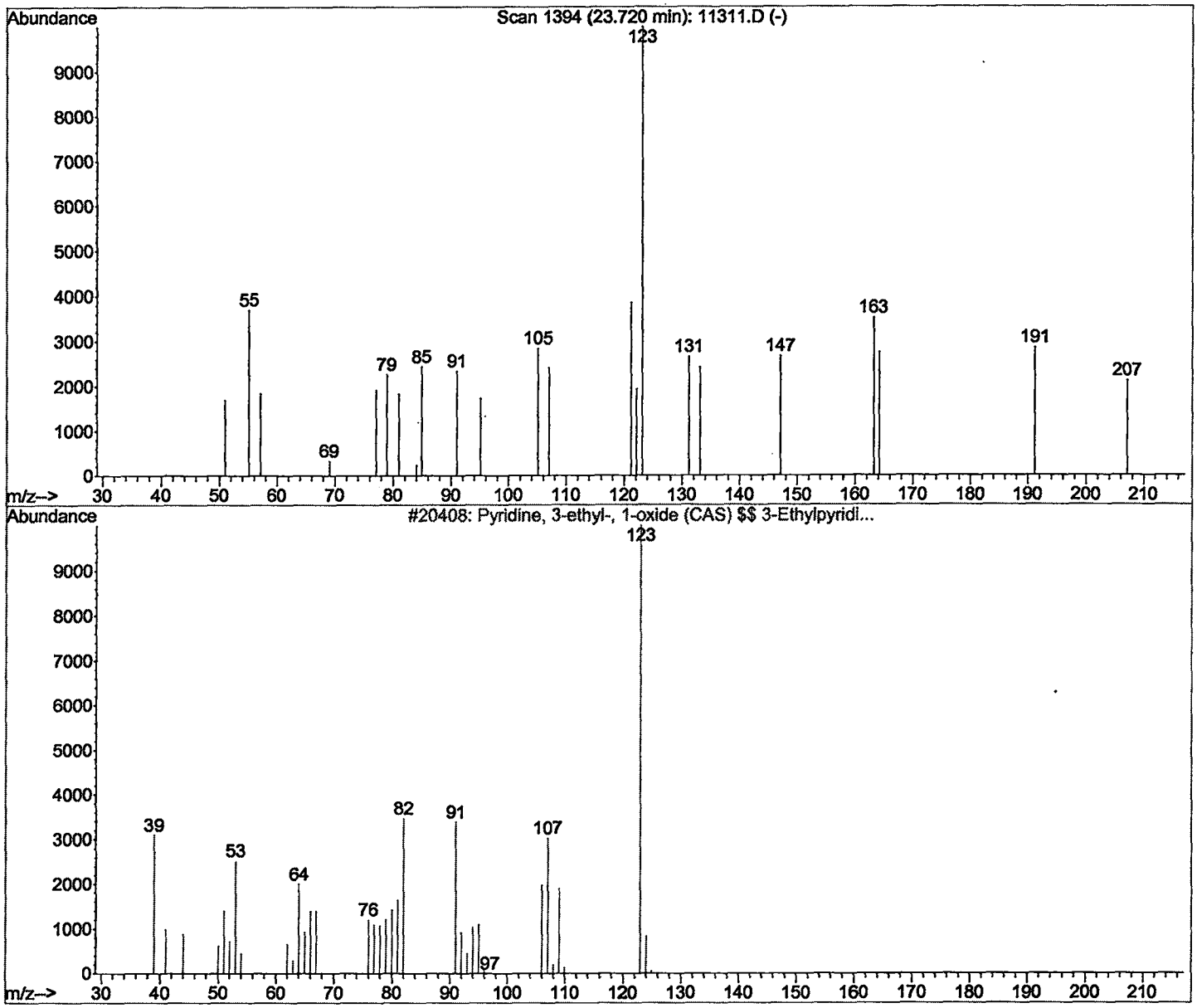

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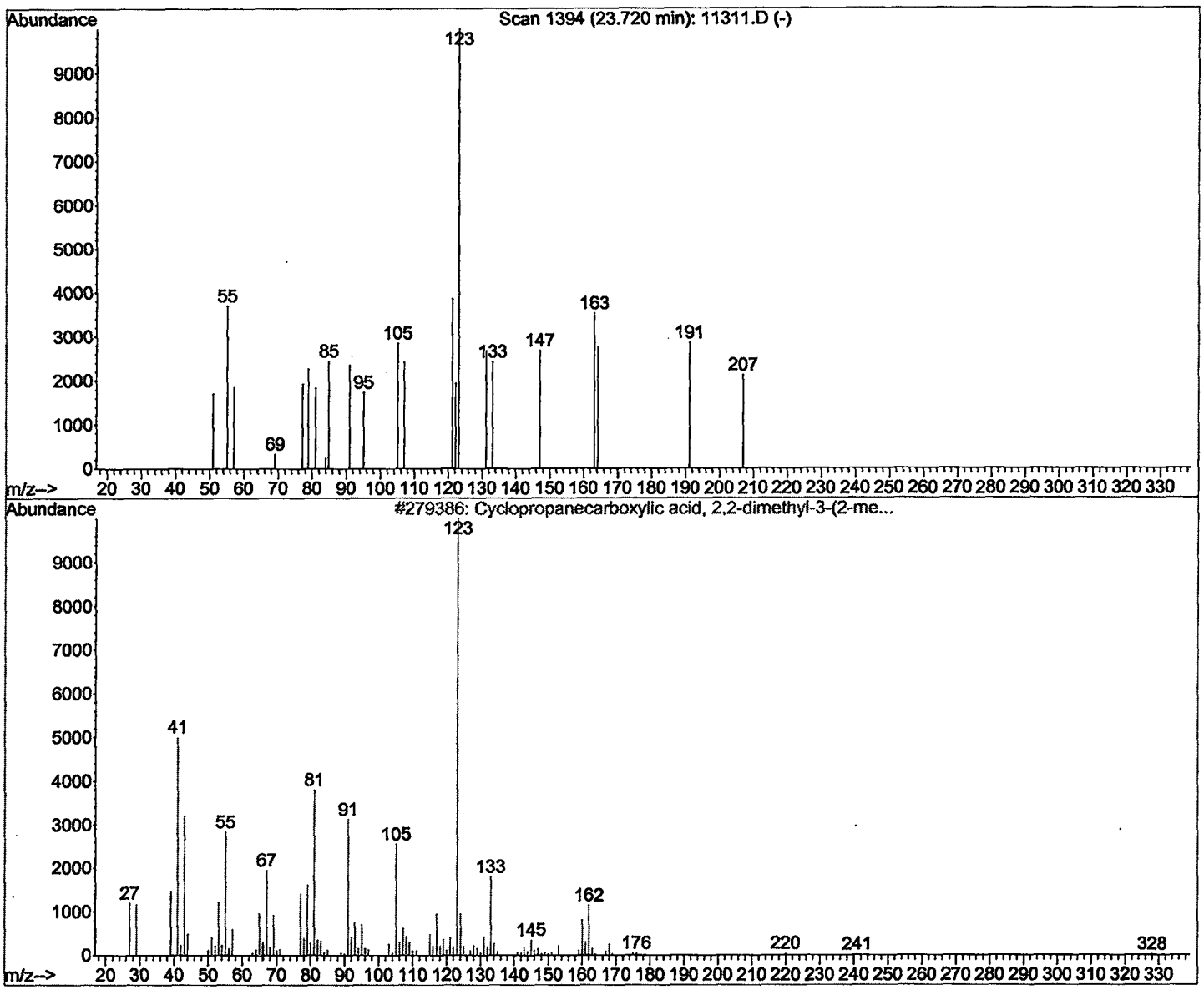

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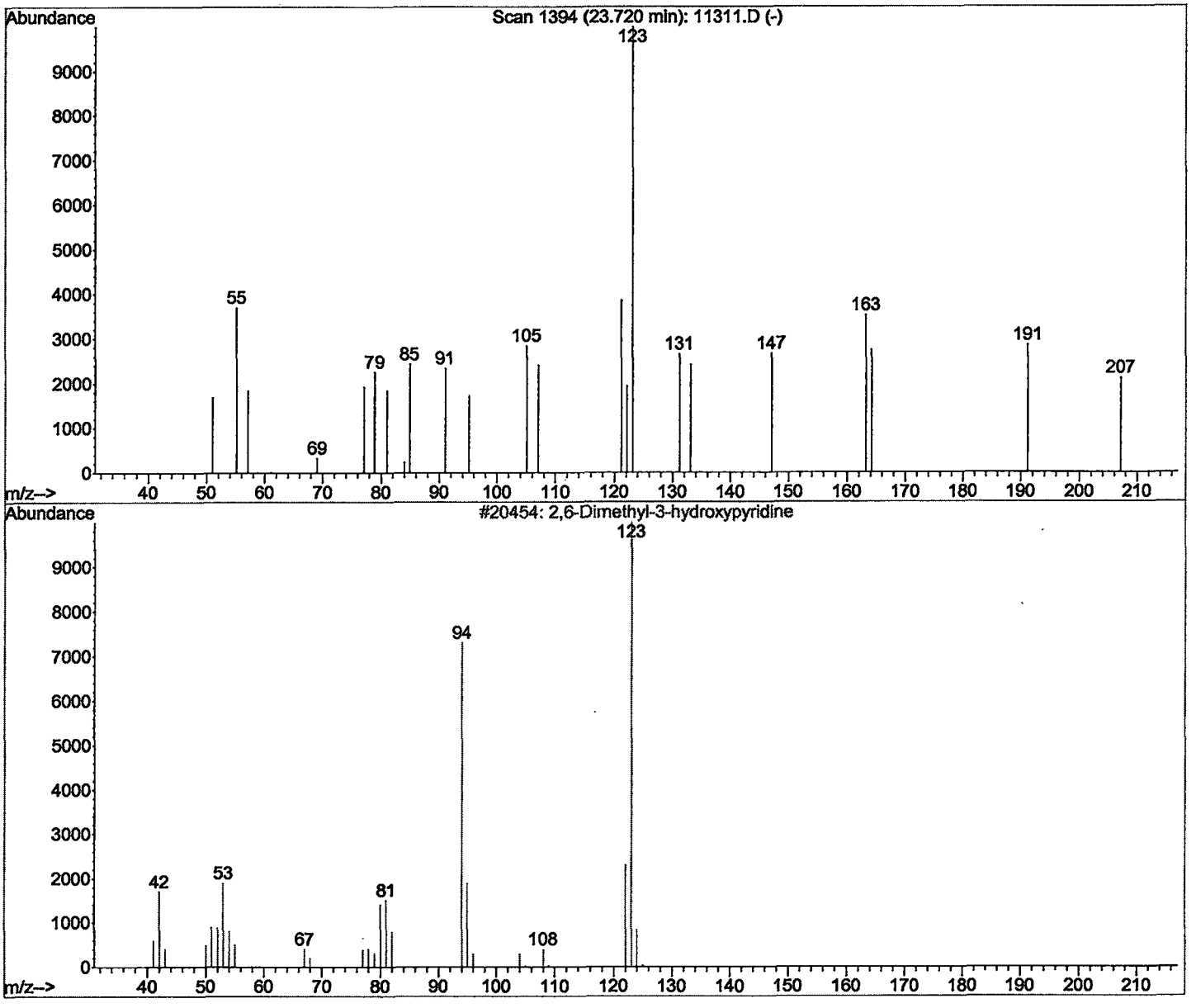
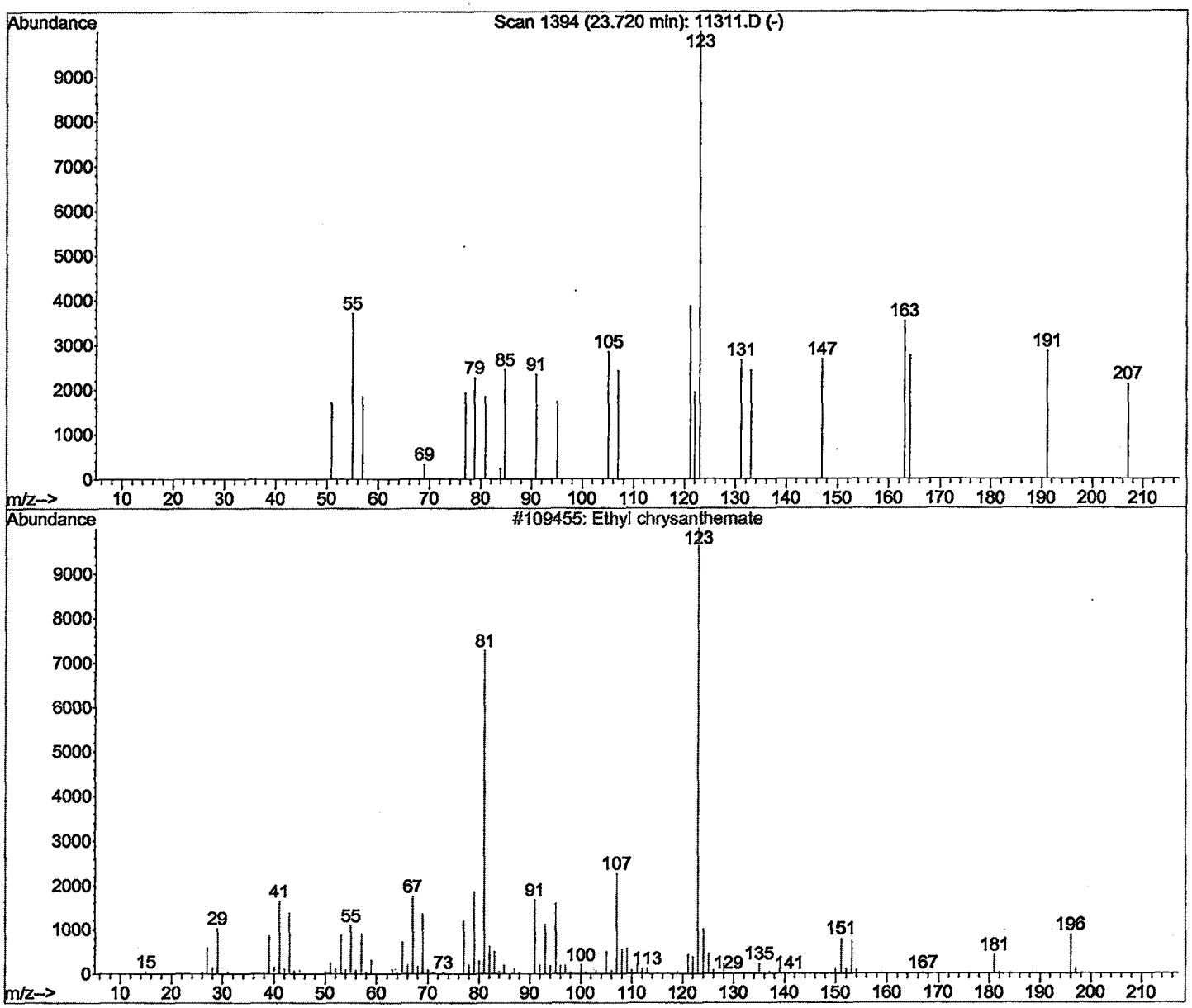


Library Searched : C:\Database\wiley7n.l
Quality : 12
ID : Ethyl chrysanthemate



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

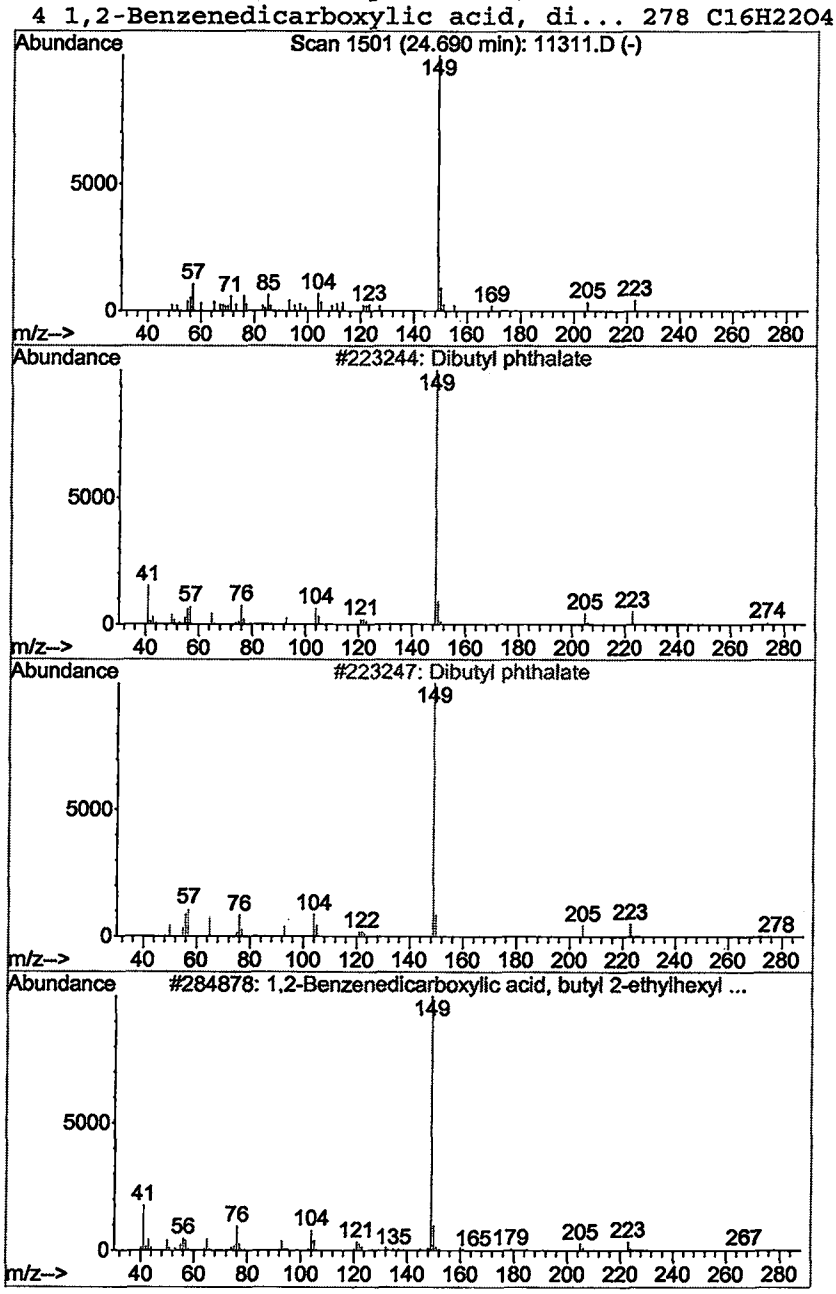
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

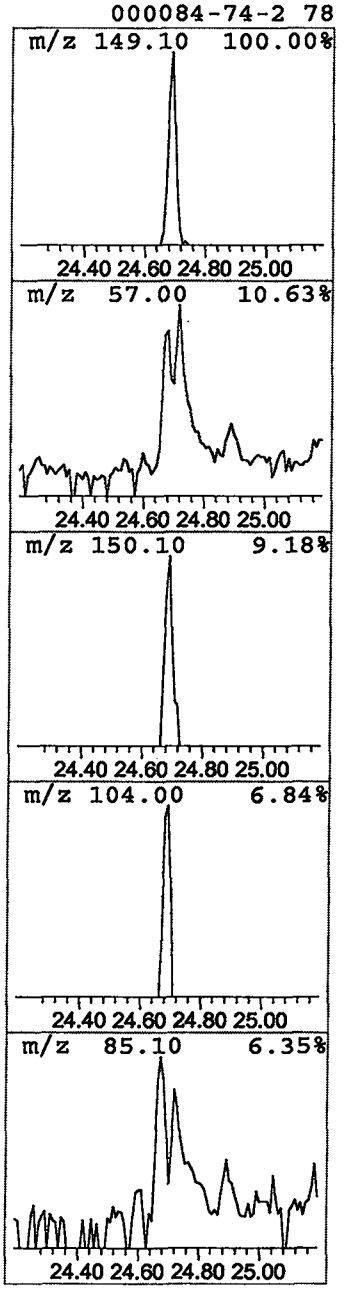
****

Peak Number 15 Dibutyl phthalate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.69	0.12 ug/L	126973	Phenanthrene d-10	22.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibutyl phthalate	278	C16H22O4	000084-74-2	86
2	Dibutyl phthalate	278	C16H22O4	000084-74-2	83
3	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	80
4	1,2-Benzenedicarboxylic acid, di...	278	C16H22O4	000084-74-2	78





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

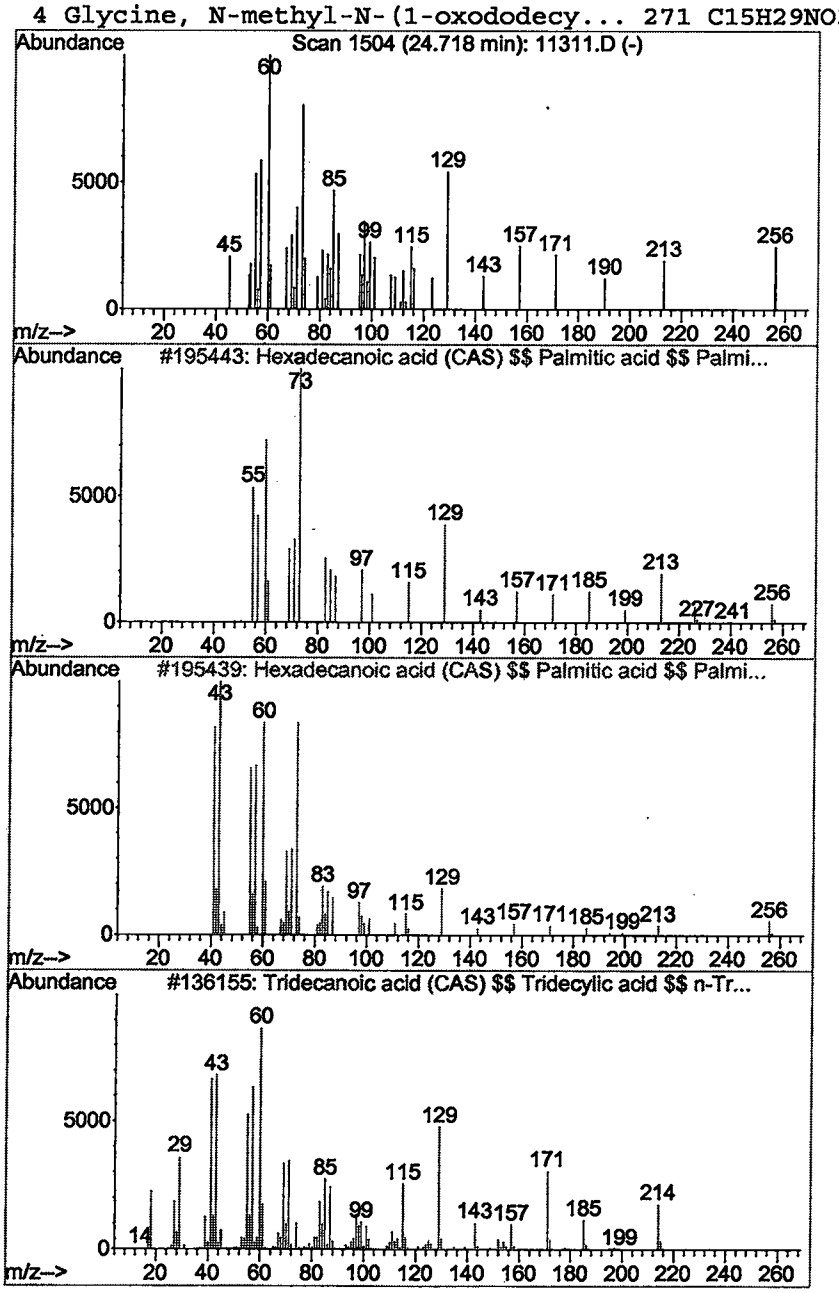
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

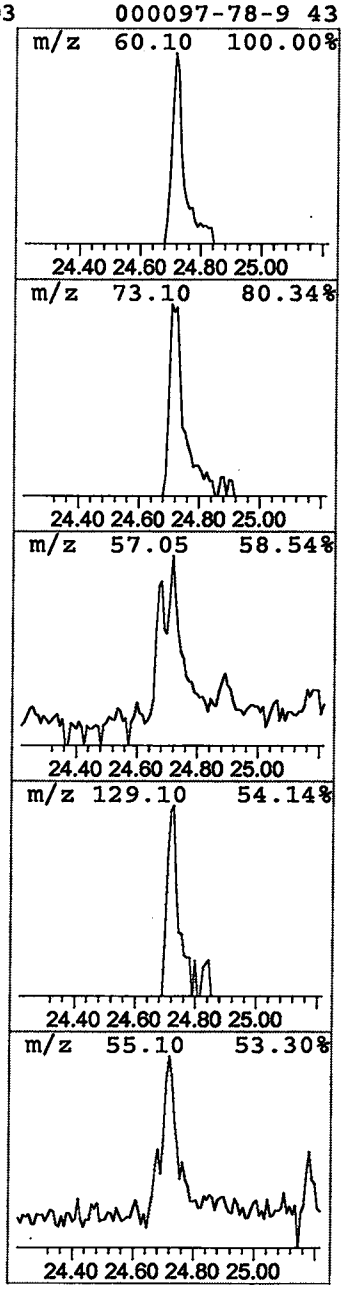
****

Peak Number 16 Hexadecanoic acid (CAS) $$ ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.72	0.11 ug/L	116233	Phenanthrene d-10	22.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid (CAS) $$ Palmi...	256	C16H32O2	000057-10-3	64
2	Hexadecanoic acid (CAS) $$ Palmi...	256	C16H32O2	000057-10-3	53
3	Tridecanoic acid (CAS) $$ Tridec...	214	C13H26O2	000638-53-9	47
4	Glycine, N-methyl-N-(1-oxododecy...	271	C15H29NO3	000097-78-9	43





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

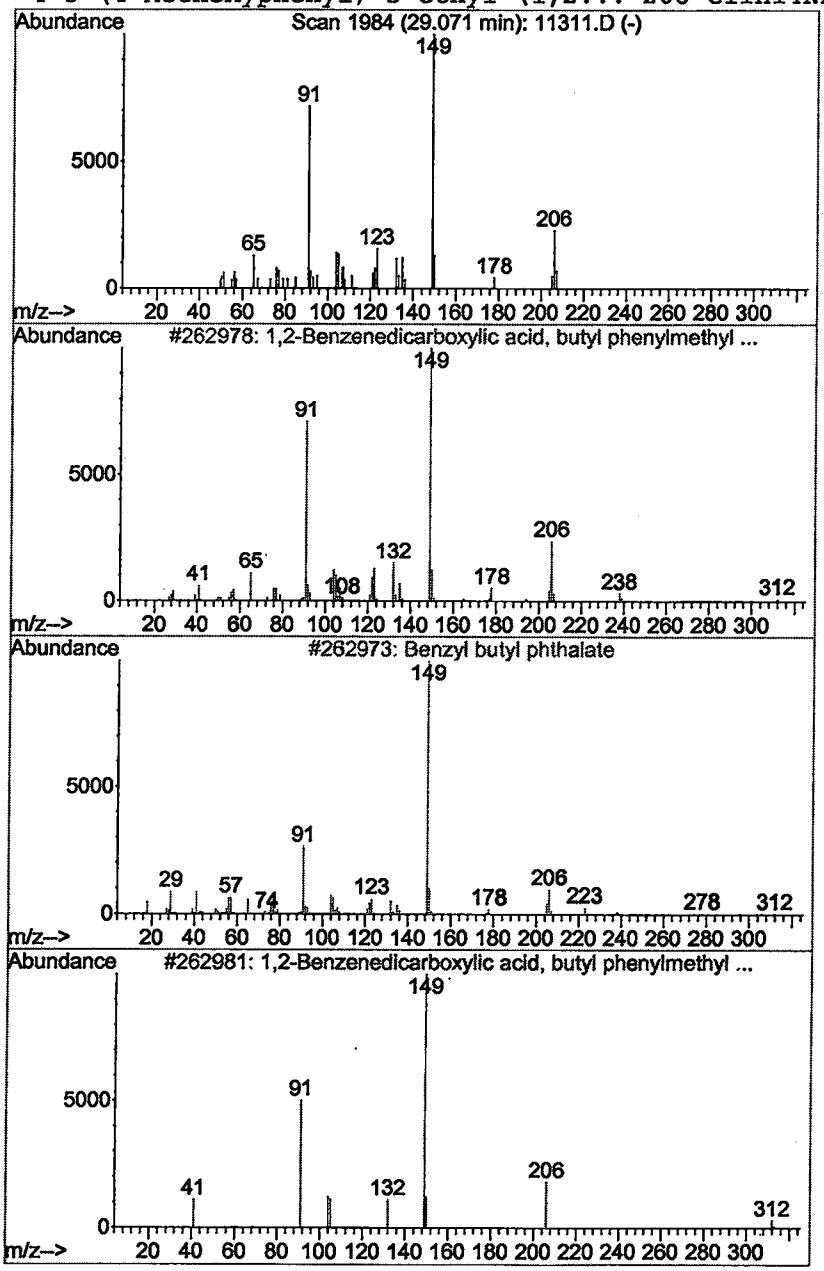
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

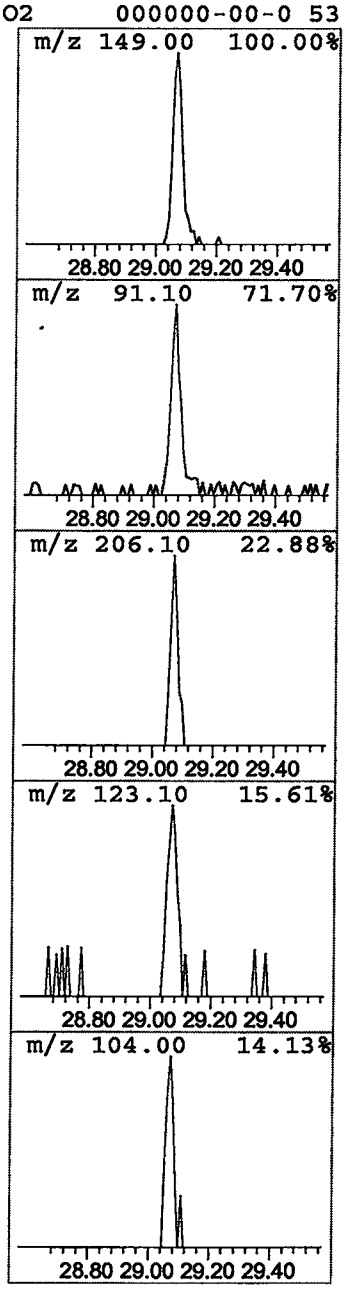
****

Peak Number 20 1,2-Benzenedicarboxylic aci... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.07	0.18 ug/L	132718	Chrysene d-12	30.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bu...	312	C19H20O4	000085-68-7	90
2	Benzyl butyl phthalate	312	C19H20O4	000085-68-7	64
3	1,2-Benzenedicarboxylic acid, bu...	312	C19H20O4	000085-68-7	59
4	3-(4-Methoxyphenyl)-5-ethyl-(1,2...	206	C11H14N2O2	000000-00-0	53





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

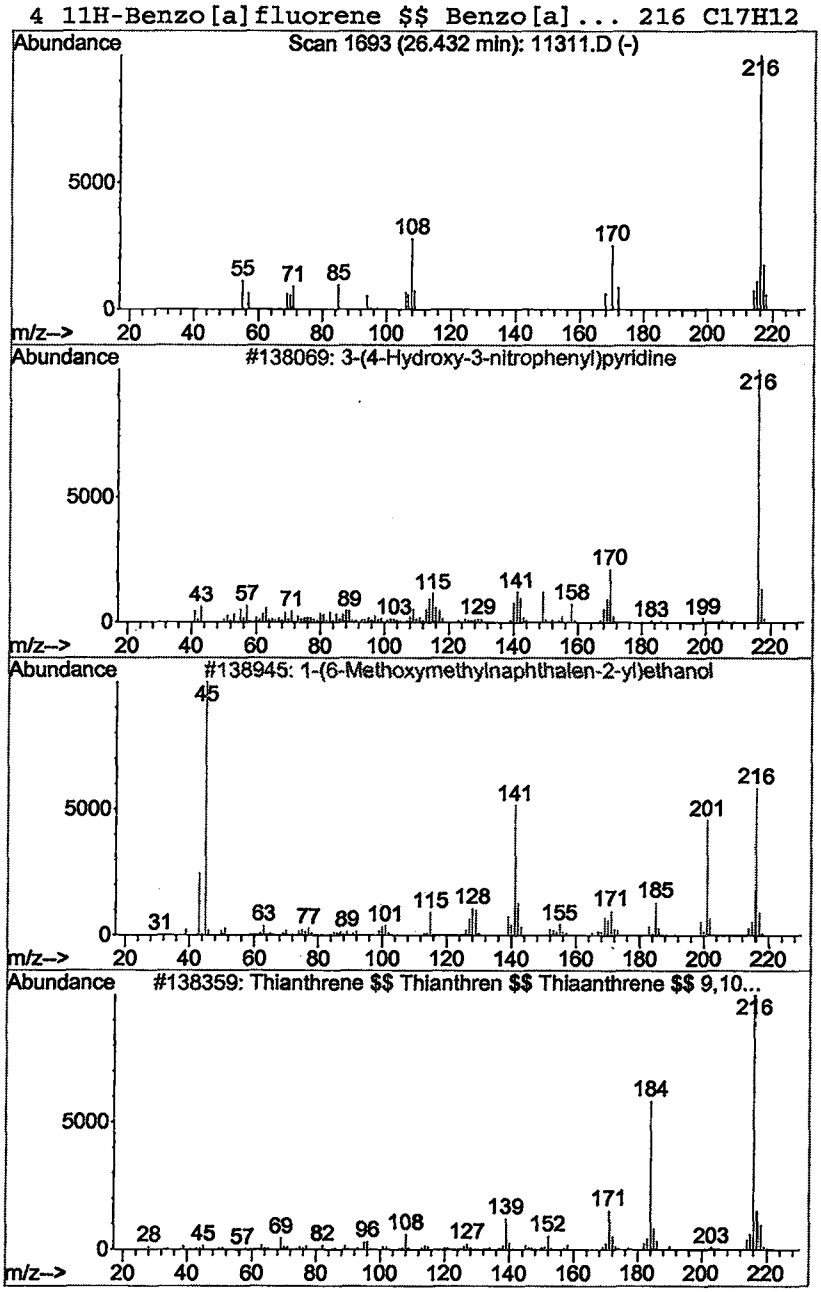
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

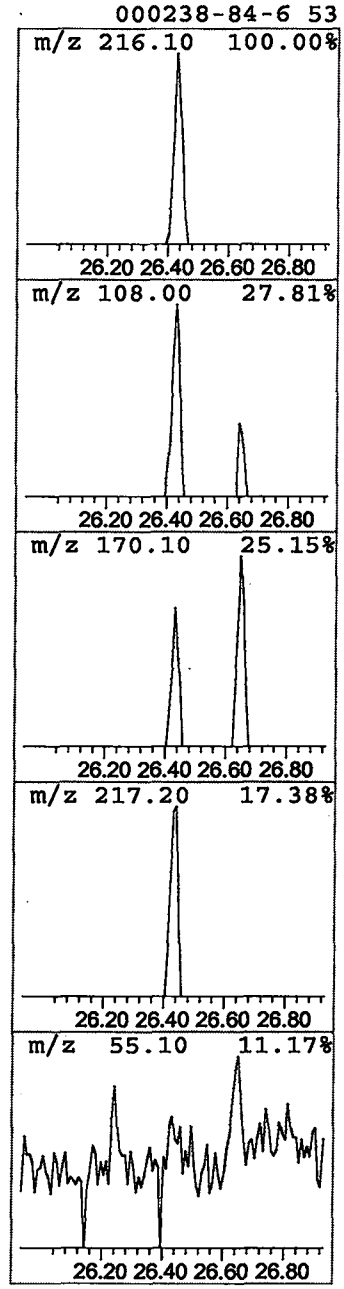
****

Peak Number 17 3-(4-Hydroxy-3-nitrophenyl)... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.43	0.07 ug/L	60105	p-Terphenyl d-14	27.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(4-Hydroxy-3-nitrophenyl)pyridine	216	C11H8N2O3	000000-00-0	53
2	1-(6-Methoxymethylnaphthalen-2-y...	216	C14H16O2	118513-22-7	53
3	Thianthrene $$ Thianthren $$ Thi...	216	C12H8S2	000092-85-3	53
4	11H-Benzo[a]fluorene $$ Benzo[a]...	216	C17H12	000238-84-6	53





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

****

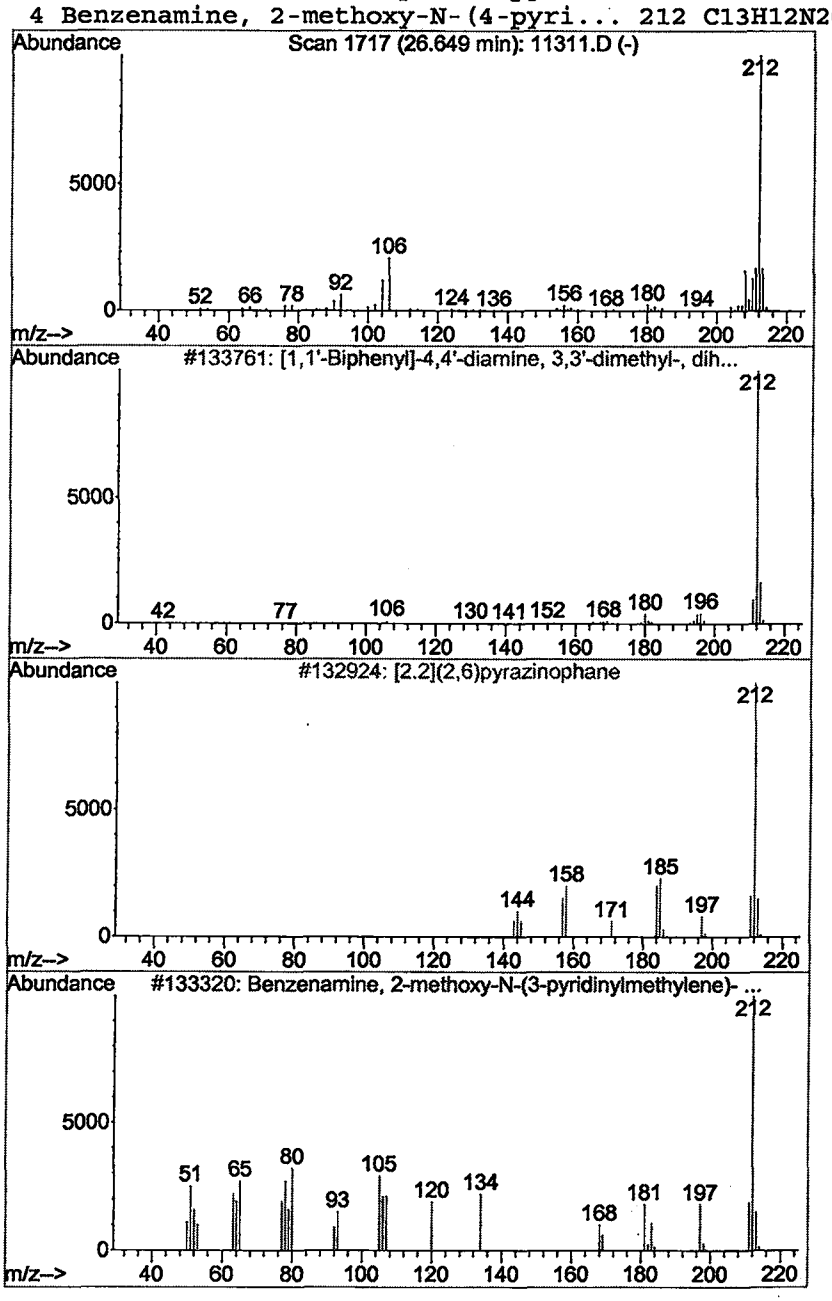
Peak Number 18 [1,1'-Biphenyl]-4,4'-diamin... Concentration Rank 1

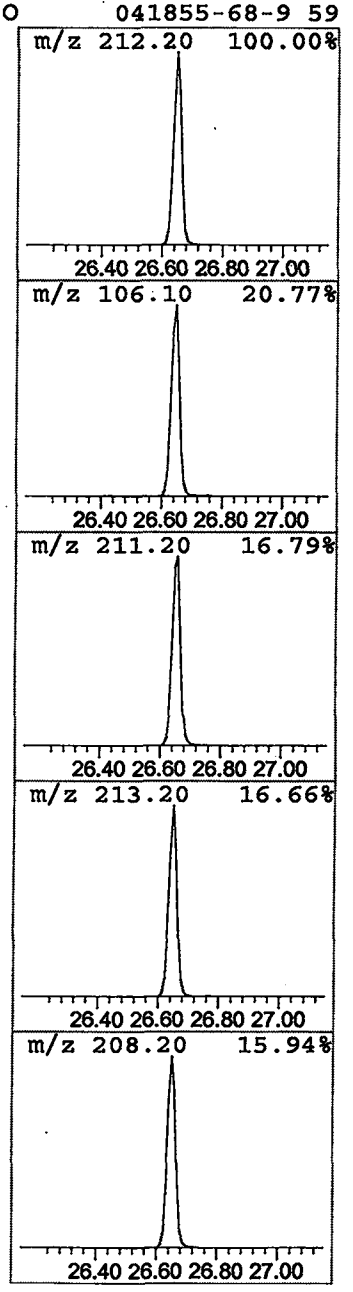
R.T.	EstConc	Area	Relative to ISTD	R.T.
26.65	4.63 ug/L	4016900	p-Terphenyl d-14	27.42

Pyrene d-10

TB

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000612-82-8	72
2	[2.2](2,6)pyrazinophane	212	C12H12N4	123624-86-2	64
3	Benzenamine, 2-methoxy-N-(3-pyri...	212	C13H12N2O	041855-67-8	59
4	Benzenamine, 2-methoxy-N-(4-pyri...	212	C13H12N2O	041855-68-9	59





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\11311.D Vial: 13
Acq On : 13 May 2002 9:36 pm Operator: Bohlk / Inst 213
Sample : SAMPLE 11311 5/10/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

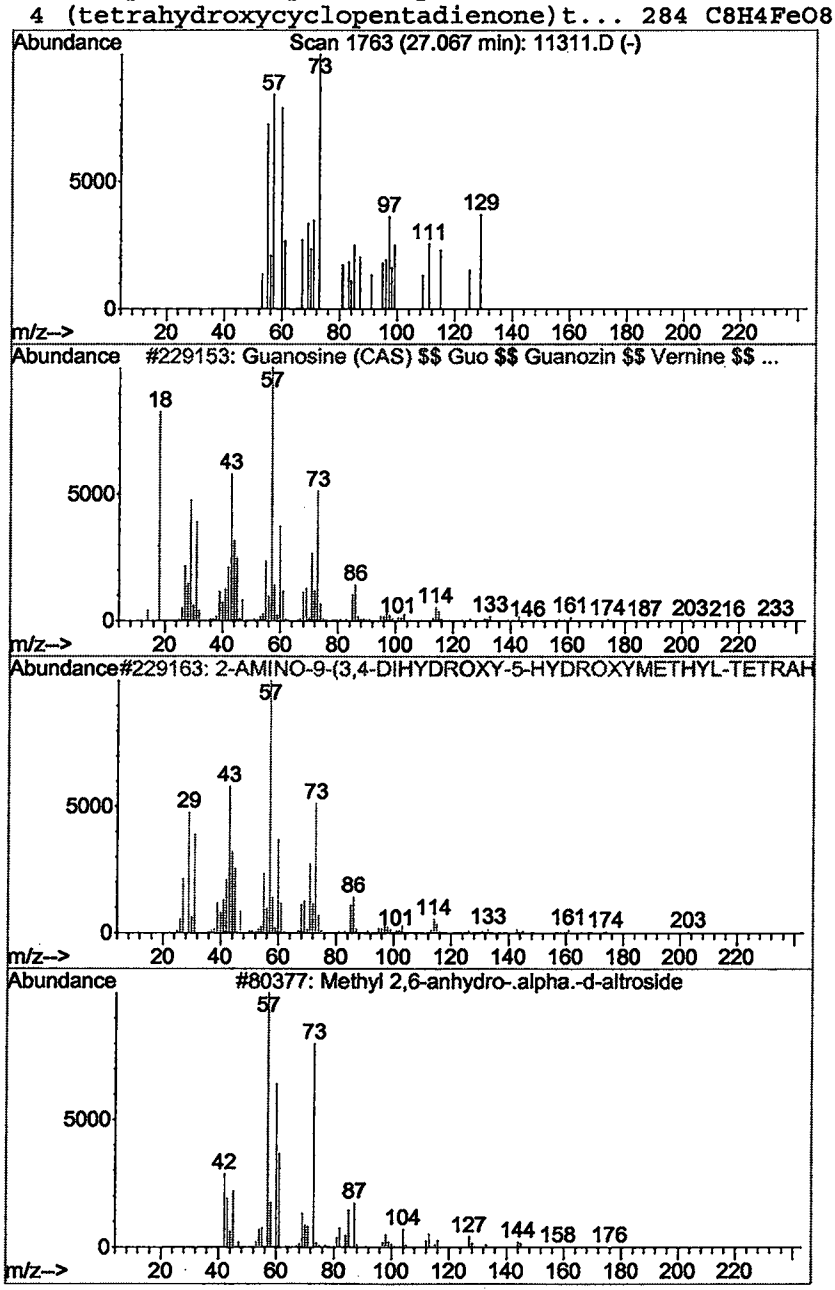
Quant Method : C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Library : C:\DATABASE\WILEY7N.L

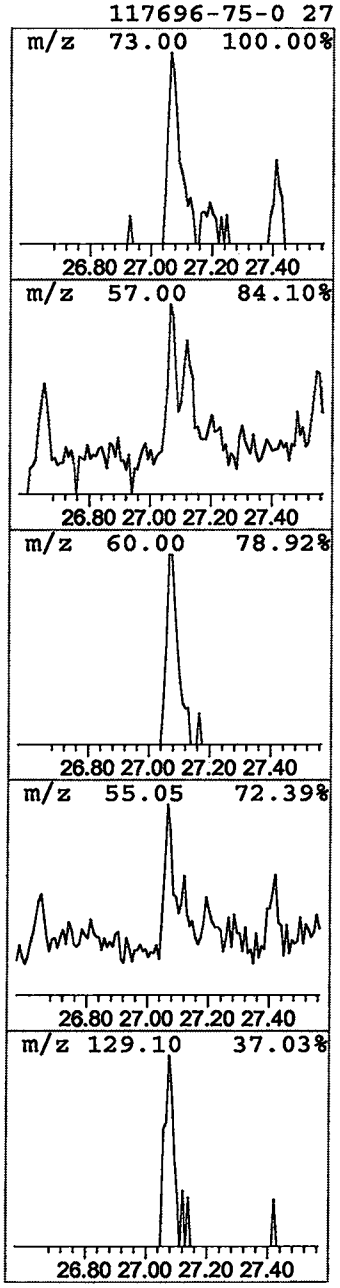
****

Peak Number 19 Guanosine (CAS) $$ Guo $$ G... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.07	0.09 ug/L	81245	p-Terphenyl d-14	27.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Guanosine (CAS) $$ Guo $$ Guanoz...	283	C10H13N5O5	000118-00-3	37
2	2-AMINO-9-(3,4-DIHYDROXY-5-HYDRO...	283	C10H13N5O5	000000-00-0	37
3	Methyl 2,6-anhydro-.alpha.-d-alt...	176	C7H12O5	000000-00-0	32
4	(tetrahydroxycyclopentadienone)t...	284	C8H4FeO8	117696-75-0	27





Tentatively Identified Compound (LSC) summary

Operator ID: Bohlk / Inst 213 Date Acquired: 13 May 2002 9:36 pm
Data File: C:\MSDCHEM\1\DATA\051302\11311.D
Name: SAMPLE 11311 5/10/02
Misc:
Method: C:\MSDCHEM\1\5973N\050802.M (RTE Integrator)
Title: Quantitation For Method 525.2
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Dodecane, 2,6,10-...	11.49	0.1	ug/L	52409	1	18.21	4466440	5.0
Hexane, 1-(hexylo...	11.61	0.1	ug/L	59977	1	18.21	4466440	5.0
pentadecane	14.78	0.1	ug/L	67153	1	18.21	4466440	5.0
Nonadecane (CAS) ...	15.58	0.1	ug/L	72185	1	18.21	4466440	5.0
Heneicosane	18.30	0.1	ug/L	93776	1	18.21	4466440	5.0
Phenol, 2,6-bis(1...	18.55	3.7	ug/L	3337090	1	18.21	4466440	5.0
Undecane, 3,9-dim...	18.99	0.1	ug/L	105562	1	18.21	4466440	5.0
Octacosane (CAS) ...	19.29	0.1	ug/L	57676	1	18.21	4466440	5.0
Heneicosane (CAS)...	19.98	0.1	ug/L	83099	1	18.21	4466440	5.0
Eicosane	21.38	0.1	ug/L	84708	2	22.53	5102110	5.0
10-Methylnonadecane	21.98	0.1	ug/L	81023	2	22.53	5102110	5.0
n-Decanoic acid	22.15	0.1	ug/L	144344	2	22.53	5102110	5.0
1-Tetradecanol (C...	22.66	0.1	ug/L	61426	2	22.53	5102110	5.0
Octacosane (CAS) ...	22.75	0.1	ug/L	79246	2	22.53	5102110	5.0
Dibutyl phthalate	24.69	0.1	ug/L	126973	2	22.53	5102110	5.0
Hexadecanoic acid...	24.72	0.1	ug/L	116233	2	22.53	5102110	5.0
3-(4-Hydroxy-3-ni...	26.43	0.1	ug/L	60105	3	27.42	4341230	5.0
[1,1'-Biphenyl]-4...	26.65	4.6	ug/L	4016900	3	27.42	4341230	5.0
Guanosine (CAS) $...	27.07	0.1	ug/L	81245	3	27.42	4341230	5.0
1,2-Benzenedicarb...	29.07	0.2	ug/L	132718	4	30.32	3744790	5.0

Westchester gov.com

ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM
WESTCHESTER COUNTY LABORATORIES AND RESEARCH

2 Dana Road, Valhalla, New York 10595
(914) 593-5575

NYS-ELAP No. 10108
Form A-70 (rev.1/96)

Time/Date Set: PLEASE RUSH ANALYSIS

Sample Type (circle one):
(1) Potable 3. Non Potable *Treated*
2. Non Potable 4. Other _____

Time/Date Collected: 5/8/2002
Collected By: Y. Murray Agency Code: _____

Collected From:
~~Location's/Individual's Name~~ RESAMPLE # WCL# 10187
~~Street~~ DEP LAB # 14343
City/St/Zip _____
Identification of Source HYDRANT
Collection Point SW/S MIDLAND AVE, 1ST HYT NW/O GRANT PL.

Bottle #'s: 1040, 1094
Chain of Custody? ___ yes ___ no
Comments: _____
PWS #: _____ Source ID: _____ Type Descriptor: ___

Bill to:
Name/Company _____
Street _____
City/St/Zip _____
Phone#: _____ Fax#: _____

CA,CH, BI? _____ Check#: _____ Amount$_____

BACTERIOLOGICAL ANALYSIS
Lab#: _____
(circle tests)
1. Heterotrophic Plate Count (hemodialysis & all others)
2. Coliform P/A (public supplies)
3. Coliform MPN (priv well, raw, stp)
4. Fecal Coliform (all samples)
5. Microscopic
6. Macroscopic
7. API
8. Other: _____

Refrigerated? ____ yes ____ no
Chlorinated:? ____ yes ____ no
Free Chlorine Res:_____ mg/L
Total Chlorine Res: _____ mg/L
pH _____

ORGANIC POTABLE ANALYSIS
Lab#: 11311
(circle tests)
1. Trihalomethanes (524) STAT
2. Volatile Halocarbons (524)
3. Volatile Aromatics (524)
4. Total Trihalomethane Potential (510)
5. Microextractables (504)
6. Pesticides (507)
7. Pesticides/PCB screen (508)
8. PCB as Decachlorobiphenyl (508A)
9. Herbicides (515)
(10) Pesticides (525) SVOC's
11. Carbamate Pesticides (531)
12. Glyphosate (547)
13. Diquat (549)
14. Chlorination Disinfection Byproducts (551)
15. Haloacetic Acids (552)
16. Pesticides (SM18/6630)
17. Petroleum/Hydrocarbon Scan (310-13)
18. Other:_____

ORGANIC NONPOTABLE/SOLID ANALYSIS
1. Purgeable Halocarbons (624/8260)
2. Purgeable Aromatics (624/8260)
3. Acrolein & Acrylonitrile (624)
4. Phthalates (625/8270)
5. Organochlorine Pesticides (608/8081)
6. PCB's (Arochlors) (608/8081)
7. Methoprene (616)
8. Herbicides (EPA1978/8151)
9. Pesticides (SM18/6630)
10. Petroleum Hydrocarbon Scan (310-13)
11. Glycols
12. Acid Extractables (625/8270)
13. Base Neutral Extractables (625/8270)
(14) GC/MS Semivolatile Unknown Scan
15. Purgeable Halocarbons (DEF)
16. Purgeable Aromatics (DEF)
17. Pesticides/PCB's (DEF)
18. Other:_____

INORGANIC ANALYSIS REQUESTED - Lab#: _____
(circle tests)

1. Color
2. Turbidity
3. pH
4. Conductivity
5. Corrosivity (temp:_____°C)
6. BOD (5 day)
7. Soluble BOD (5 day)
8. Carbonaceous BOD (5 day)
9. Chemical Oxygen Demand
10. Dissolved Oxygen
11. Total Organic Carbon
12. Total Organic Halides
13. Solids, Percent (%)
14. Solids, Settleable
15. Solids, Suspended
16. Solids, Total
17. Solids, Total Dissolved
18. Solids, Total Volatile
19. Other: _____
20. Acidity
21. Alkalinity, as $CaCO_3$
22. Bromide
23. Bromate/Chlorate/Chlorite
24. Chloride
25. Cyanide
26. Fluoride
27. Hardness, Total as $CaCO_3$
28. Nitrogen, Ammonia as N
29. Nitrogen, Nitrate as N
30. Nitrogen, Nitrite as N
31. Nitrogen, Total Kjeldahl as N
32. Oil an Grease
33. Phenol
34. Phosphorus Total as P
35. Phosphorus, Ortho as P
36. Sulfates
37. Surfactants
38. UV254
39. Aluminum
40. Antimony
41. Arsenic
42. Barium
43. Beryllium
44. Boron
45. Cadmium
46. Calcium, as $CaCO_3$
47. Calcium, Ca^{+2}
48. Chromium, Total
49. Chromium, Hexavalent
50. Cobalt
51. Copper
52. Iron
53. Lead
54 Magnesium
55 Manganese
56. Mercury
57 Molybdenum
58. Nickel
59. Potassium
60. Selenium
61. Silver
62. Sodium
63. Thallium
64. Vanadium
65. Zinc

CLP
66. Metals/CN
67. Volatiles
68. Semi-violatiles
69. Pesticides/PCB's
70. Disk Deliverables

TCLP
71. TCLP-Metals
72. TCLP-Pesticides
73. TCLP-Herbicides
74. TCLP-Volatiles
75. TCLP-BNA's