Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031202\3731.D Vial: 57
Acq On : 13 Mar 2002 2:46 am Operator: McLean
Sample : SAMPLE 3731 2/19/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 15 14:04:42 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.55	150	1660953	20.00	ug/L	0.00
10) Naphthalene-d8	13.03	136	4449309	20.00	ug/L	0.00
17) Acenaphthene-d10	18.14	164	2508078	20.00	ug/L	0.00
29) Phenanthrene-d10	22.50	188	3910783	20.00	ug/L	0.00
38) Chrysene-d12	30.31	240	3654466	20.00	ug/L	0.00
44) Perylene-d12	34.19	264	2327602	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-ddd surr	27.43	235	311481	6.68	ug/L	0.00
Spiked Amount 5.000			Recovery = 133.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	N.D.		
3) bis(2-chloroethyl) ether	0.00	93	0	N.D.		
4) 1,3 - Dichlorobenze	0.00	146	0	N.D.		
5) 1,4 - Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2 - Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2 ' - oxybis (1-Chloropr	0.00	45	0	N.D.		
8) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy) methan	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	0.00	163	0	N.D.		
21) 2,6-Dinitrotoluene	0.00	165	0	N.D. d		
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	19.72	149	13220	0.11	ug/L	96
26) 4-Chlorophenyl-phenyl ethe	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D. d		
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D. d		
30) N-Nitrosodiphenylamine	0.00	169	0	N.D.		
31) 4-Bromophenyl-phenyl ether	0.00	248	0	N.D.		
32) Hexachlorobenzene	21.34	284	19409	0.53	ug/L	94
33) Phenanthrene	22.55	178	60354	0.33	ug/L	98
34) Anthracene	22.70	178	52355	0.29	ug/L	97
35) Di-n-butylphthalate	24.65	149	209180	1.01	ug/L	99
36) Fluoranthene	26.05	202	242708	1.18	ug/L	95
39) Pyrene	26.69	202	292998	1.16	ug/L	95
40) Butylbenzylphthalate	29.04	149	189426	1.75	ug/L	92
41) Benzo (a) antracene	30.29	228	444196	2.32	ug/L	98
42) Bis (2-ethylhexyl) phthala	30.91	149	188882	1.32	ug/L	96
43) Chrysene	30.38	228	555902	3.05	ug/L	99
45) Di-n-Octylphthalate	0.00	149	0	N.D. d		
46) Benzo (b) fluoranthene	33.23	252	605938	3.69	ug/L	98

(#) = qualifier out of range (m) = manual integration

To be re-spk to look for Lab contam.

Quantitation Report (QT Reviewed)

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Acq On : 13 Mar 2002 2:46 am Operator: McLean
Sample : SAMPLE 3731 2/19/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 15 14:04:42 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

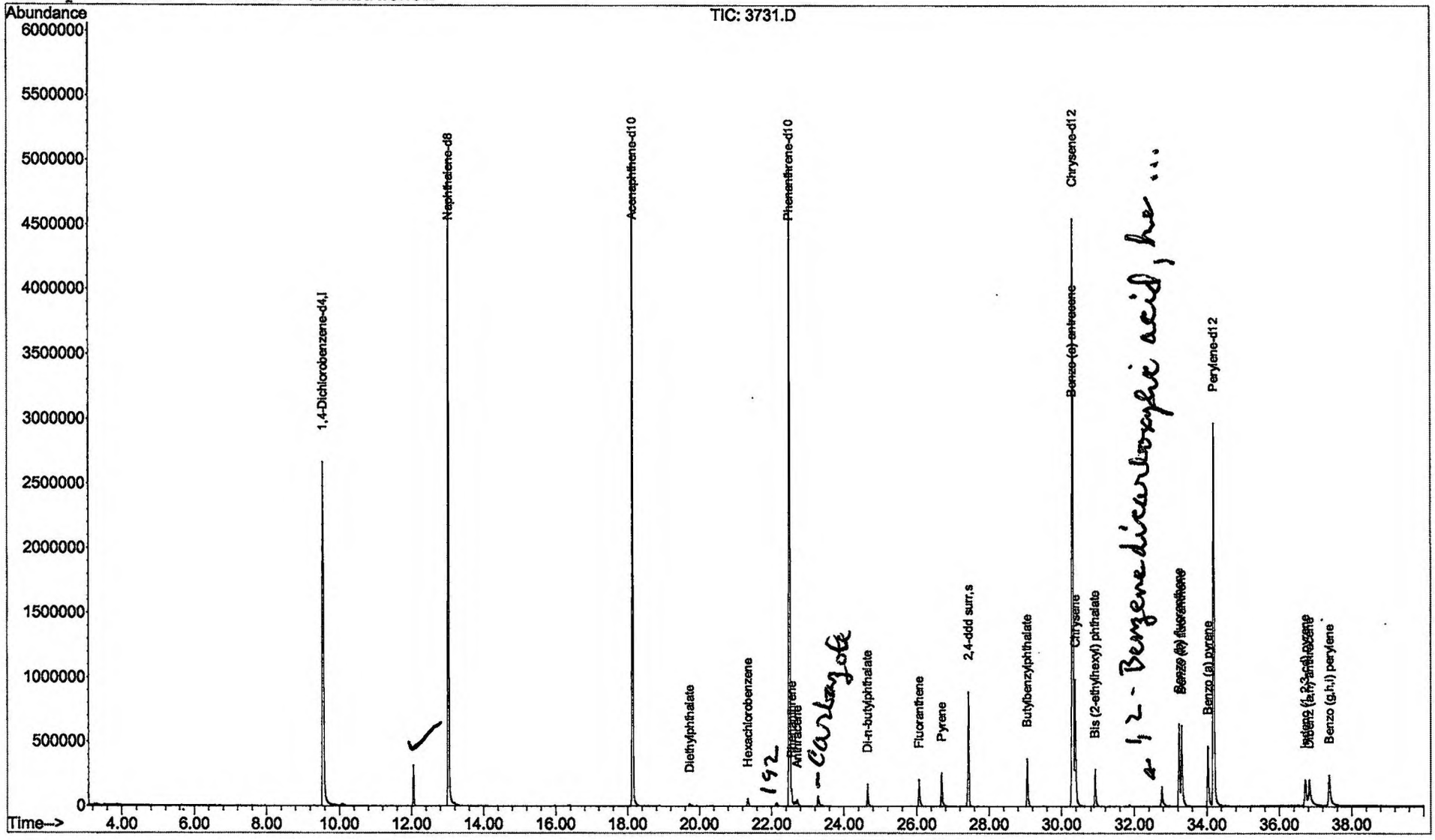
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) Benzo (k) fluoranthene	33.30	252	690521	4.13	ug/L	98
48) Benzo (a) pyrene	34.03	252	490072	3.50	ug/L	98
49) Indeno (1,2,3-cd) pyrene	36.71	276	270101	3.35	ug/L	98
50) Dibenz (a,h) anthracene	36.83	278	267341	3.45	ug/L	100
51) Benzo (g,h,i) perylene	37.38	276	393182m	5.07	ug/L	

(#) = qualifier out of range (m) = manual integration
3731.D 5080302.M Mon Mar 18 07:09:12 2002 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031202\3731.D Vial: 57
Acq On : 13 Mar 2002 2:46 am Operator: McLean
Sample : SAMPLE 3731 2/19/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 18 7:08 2002 Quant Results File: 5080302.RES

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\031202\3731.D Vial: 57
Acq On : 13 Mar 2002 2:46 am Operator: McLean
Sample : SAMPLE 3731 2/19/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
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

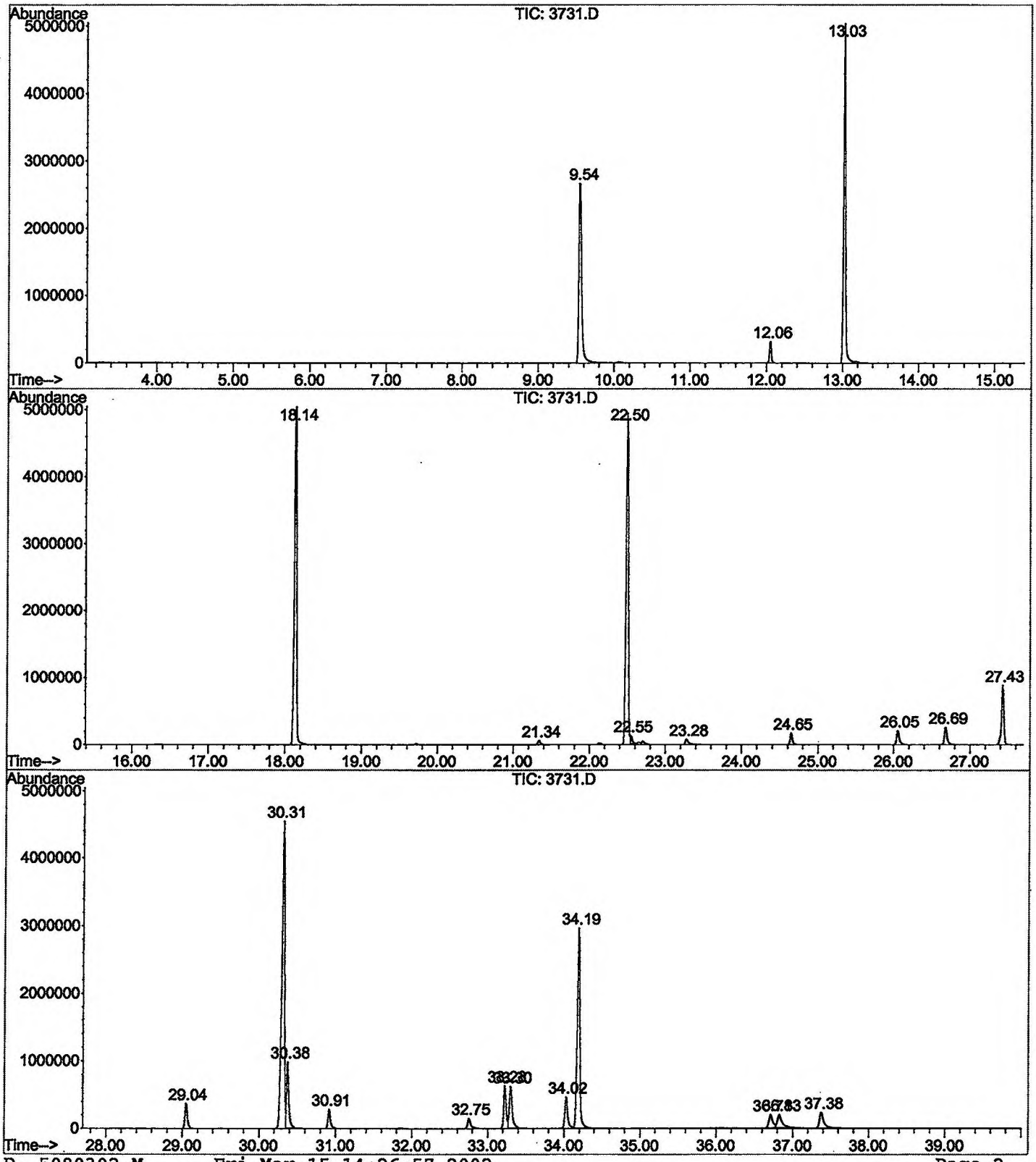
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.543	708	713	735	rBV	2666971	6976728	60.39%	9.691%
2	12.056	985	990	1002	rVB	317486	547998	4.74%	0.761%
3	13.026	1091	1097	1111	rBV	5035023	9617704	83.25%	13.360%
4	18.142	1654	1661	1677	rBV	5048153	10448192	90.44%	14.513%
5	21.344	2010	2014	2022	rBB	60153	124018	1.07%	0.172%
6	22.496	2134	2141	2146	rBV2	4948792	10654291	92.22%	14.800%
7	22.550	2146	2147	2154	rVB	119590	187018	1.62%	0.260%
8	23.285	2223	2228	2240	rBV	78453	236085	2.04%	0.328%
9	24.645	2374	2378	2389	rBV	172622	344212	2.98%	0.478%
10	26.051	2529	2533	2551	rBV	208564	523391	4.53%	0.727%
11	26.686	2598	2603	2615	rBV	259935	629876	5.45%	0.875%
12	27.430	2677	2685	2697	rBB2	887960	1873293	16.21%	2.602%
13	29.044	2859	2863	2876	rVB	370527	811023	7.02%	1.127%
14	30.314	2994	3003	3007	rBV2	4551205	11553172	100.00%	16.048%
15	30.378	3007	3010	3023	rVB	981192	2141771	18.54%	2.975%
16	30.913	3064	3069	3084	rBV	286355	646809	5.60%	0.898%
17	32.754	3267	3272	3288	rBV	154032	435459	3.77%	0.605%
18	33.226	3319	3324	3329	rBV	638470	1491658	12.91%	2.072%
19	33.298	3329	3332	3346	rVB	618093	1573354	13.62%	2.186%
20	34.024	3406	3412	3422	rBV	466190	1191699	10.31%	1.655%
21	34.187	3422	3430	3448	rVB2	2962215	7632611	66.07%	10.602%
22	36.709	3702	3708	3715	rBV2	197725	648394	5.61%	0.901%
23	36.827	3716	3721	3744	rVB	195756	790834	6.85%	1.099%
24	37.380	3775	3782	3801	rBV2	233975	910889	7.88%	1.265%

Sum of corrected areas: 71990479

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\031202\3731.D
Operator : McLean
Acquired : 13 Mar 2002 2:46 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: SAMPLE 3731 2/19/02
Misc Info :
Vial Number: 57
Quant File :5080302.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031202\3731.D Vial: 57
Acq On : 13 Mar 2002 2:46 am Operator: McLean
Sample : SAMPLE 3731 2/19/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

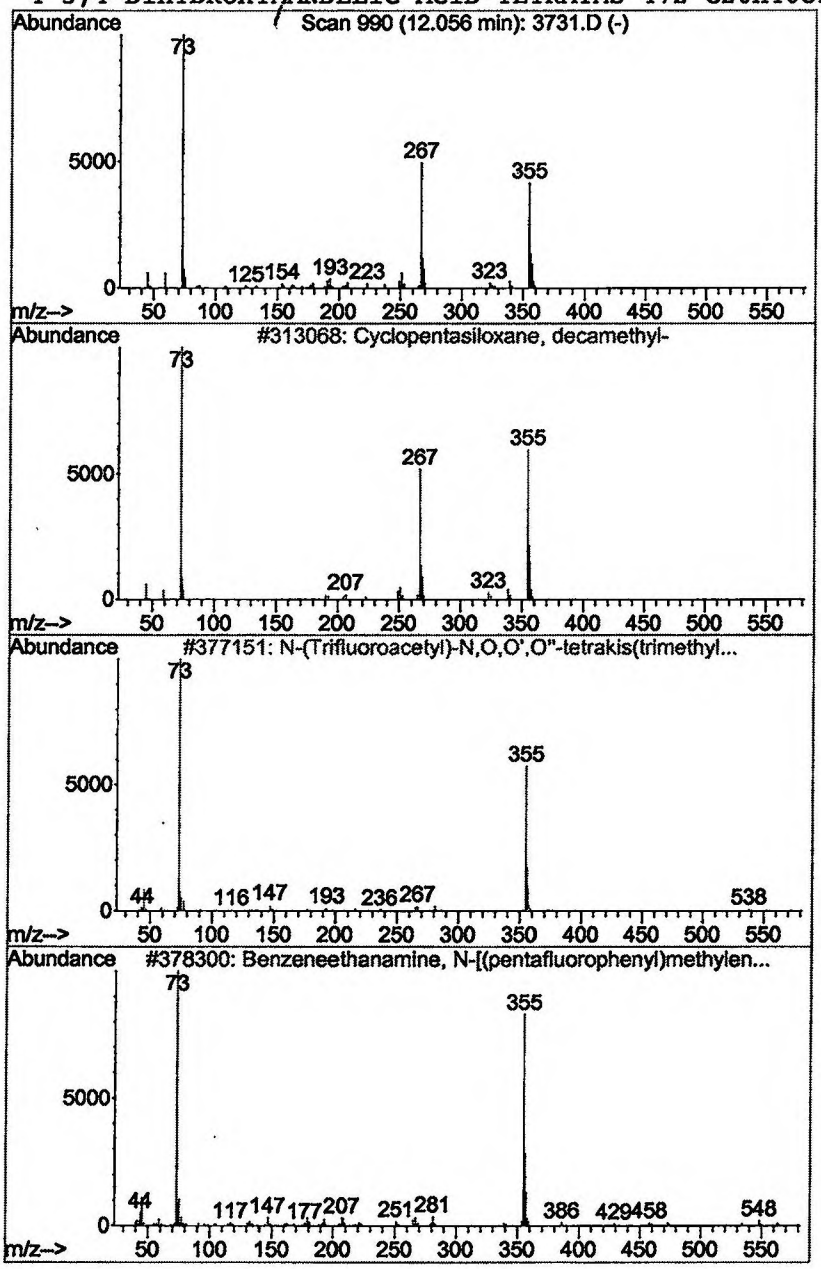
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

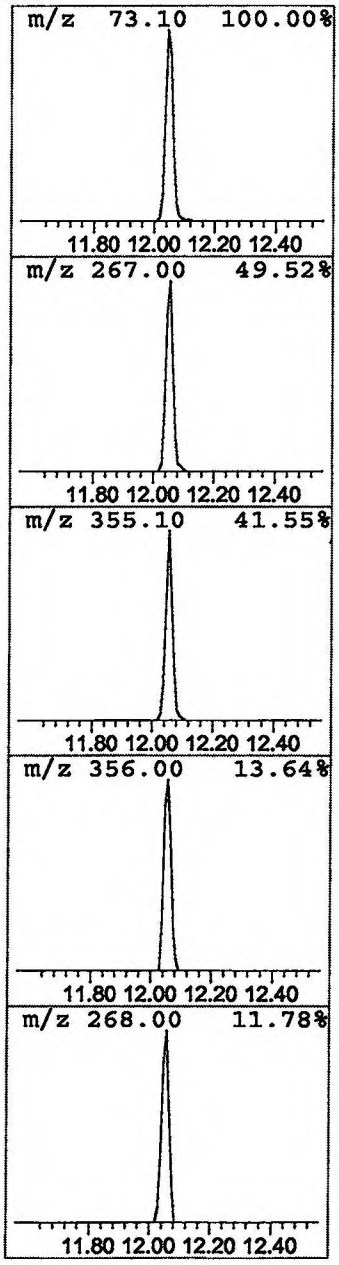
****

Peak Number 1 Cyclopentasiloxane, decamet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	1.14 ug/L	547998	Naphthalene-d8	13.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	68
2	N-(Trifluoroacetyl)-N,O,O',O''-t...	553	C22H42F3NO4Si4	000000-00-0	47
3	Benzeneethanamine, N-[(pentafluo...	563	C24H34F5NO3Si3	055429-13-5	38
4	3,4-DIHYDROXYMANDELIC ACID-TETRATMS	472	C20H40O5Si4	000000-00-0	38





Library Search Compound Report

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Acq On : 13 Mar 2002 2:46 am Operator: McLean
Sample : SAMPLE 3731 2/19/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

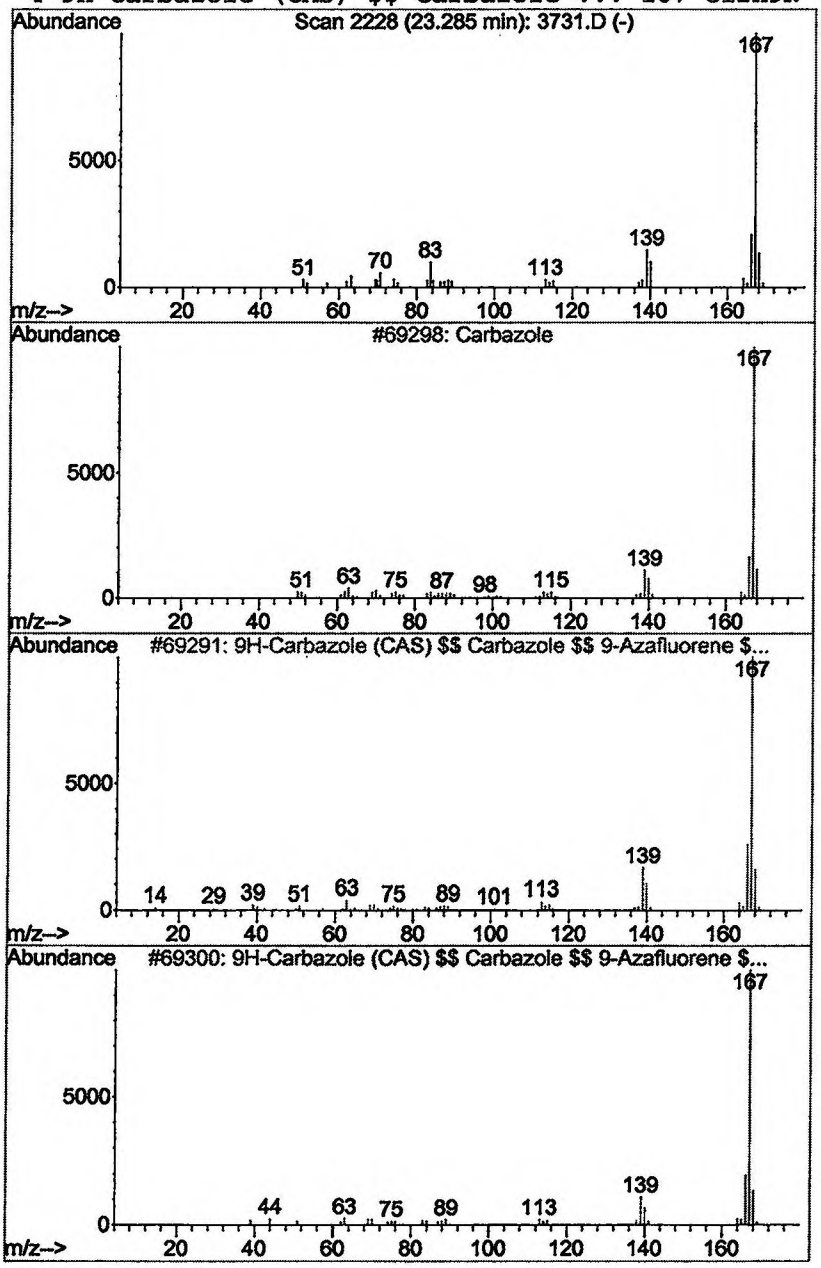
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

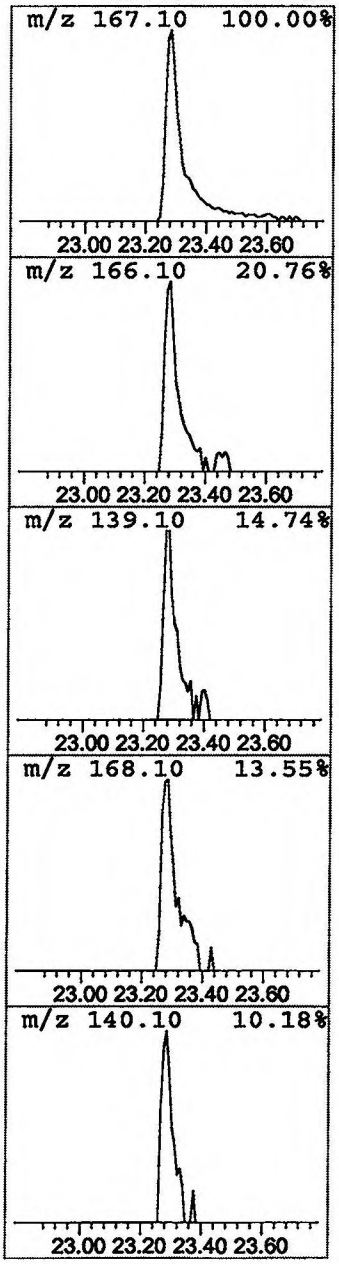
****

Peak Number 2 Carbazole Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.28	0.44 ug/L	236085	Phenanthrene-d10	22.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbazole	167	C12H9N	000086-74-8	93
2	9H-Carbazole (CAS) $$ Carbazole ...	167	C12H9N	000086-74-8	93
3	9H-Carbazole (CAS) $$ Carbazole ...	167	C12H9N	000086-74-8	93
4	9H-Carbazole (CAS) $$ Carbazole ...	167	C12H9N	000086-74-8	93





Library Search Compound Report

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Sample : SAMPLE 3731 2/19/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

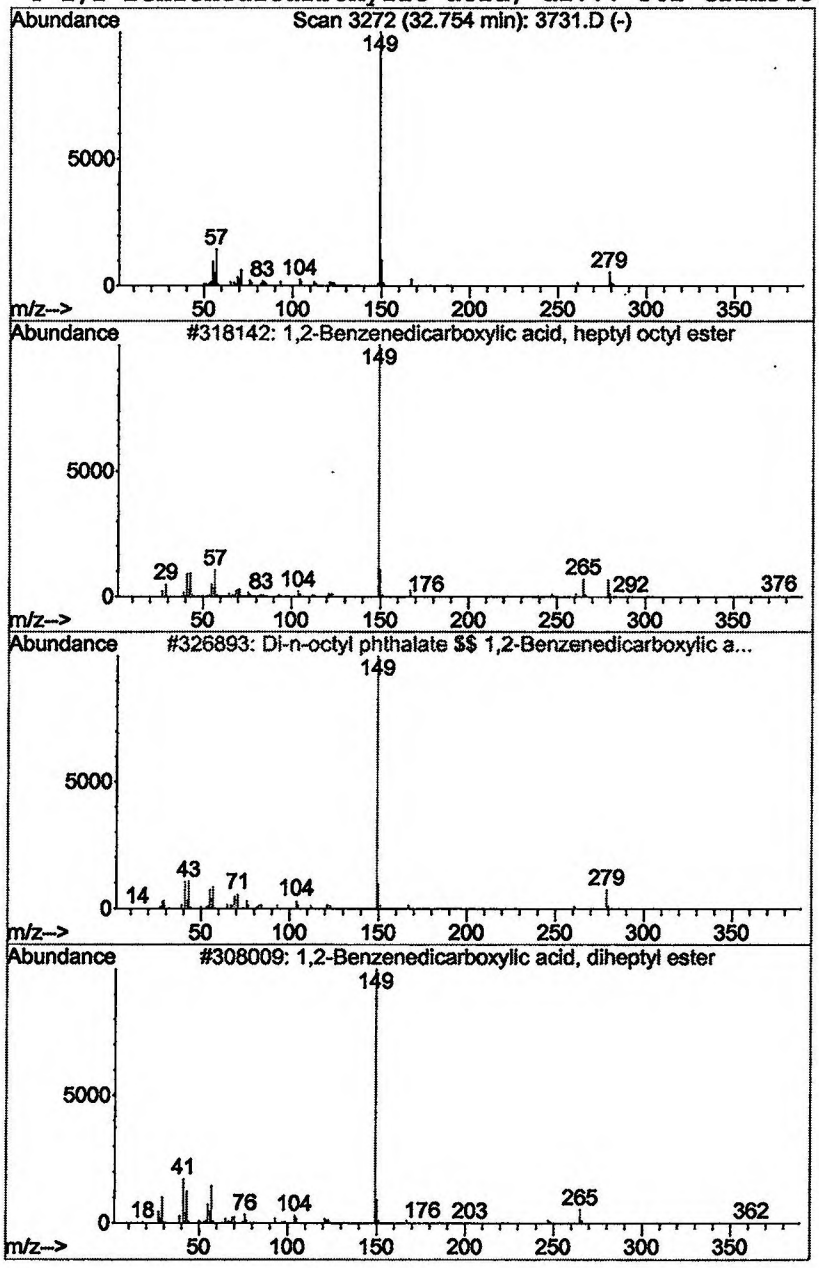
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

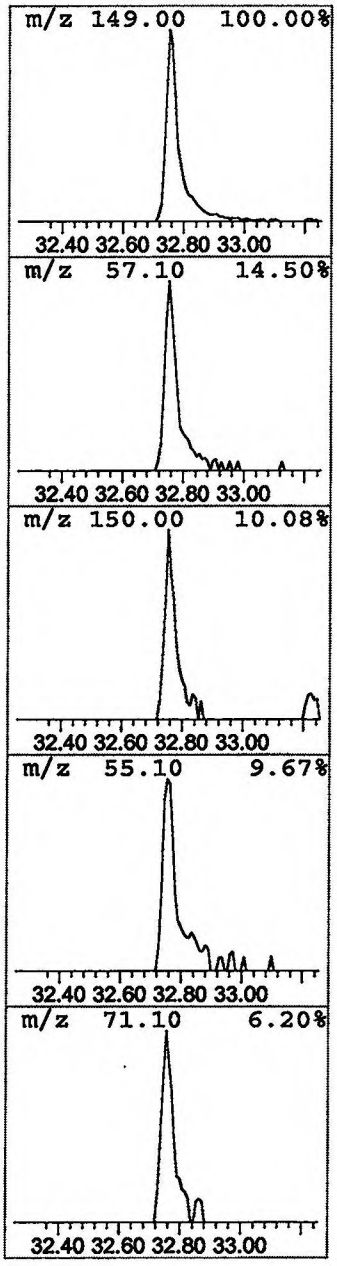
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.75	1.14 ug/L	435459	Perylene-d12	34.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, he...	376	C23H36O4	088216-58-4	90
2	Di-n-octyl phthalate $$ 1,2-Benz...	390	C24H38O4	000117-84-0	87
3	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	80
4	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	72





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Acq On : 13 Mar 2002 2:46 am Operator: McLean
Sample : SAMPLE 3731 2/19/02 Inst : Instrumen
Misc : Multiplr: 1.00
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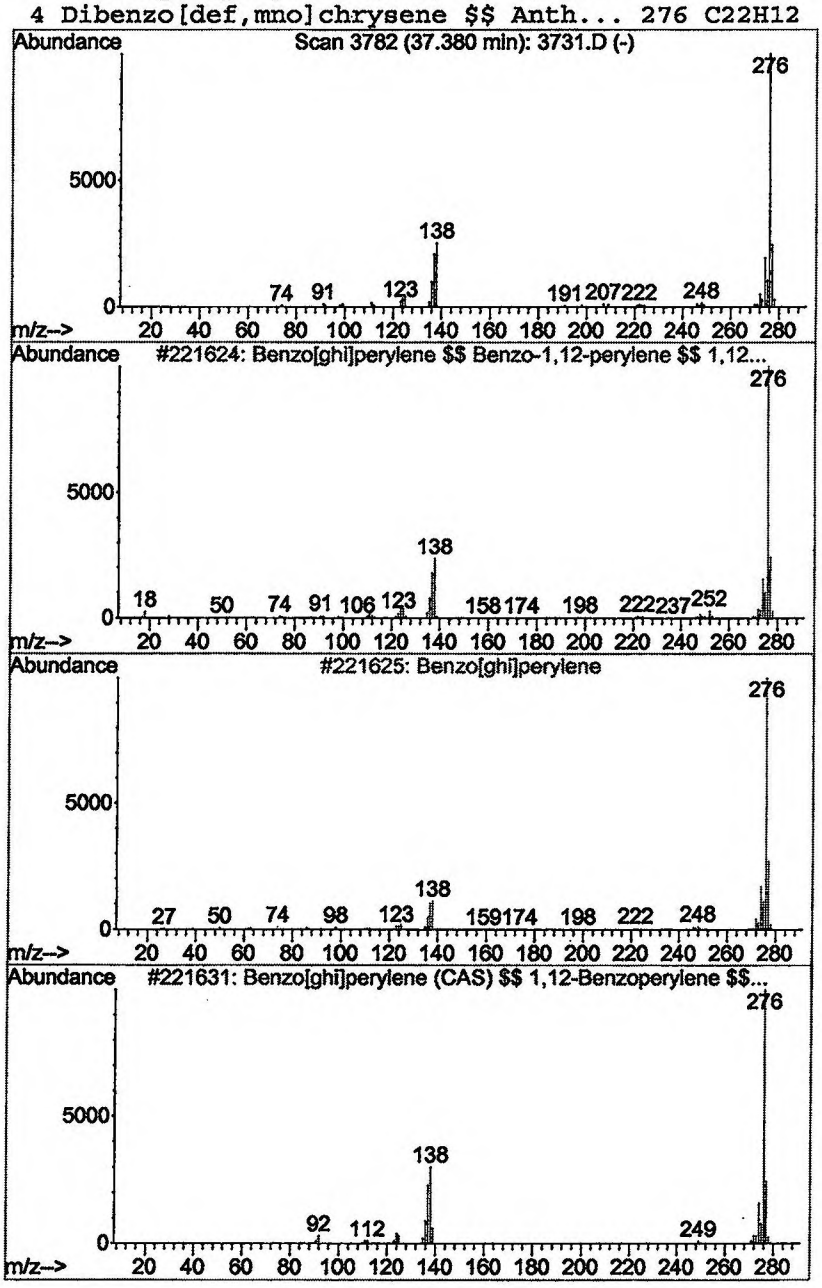
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

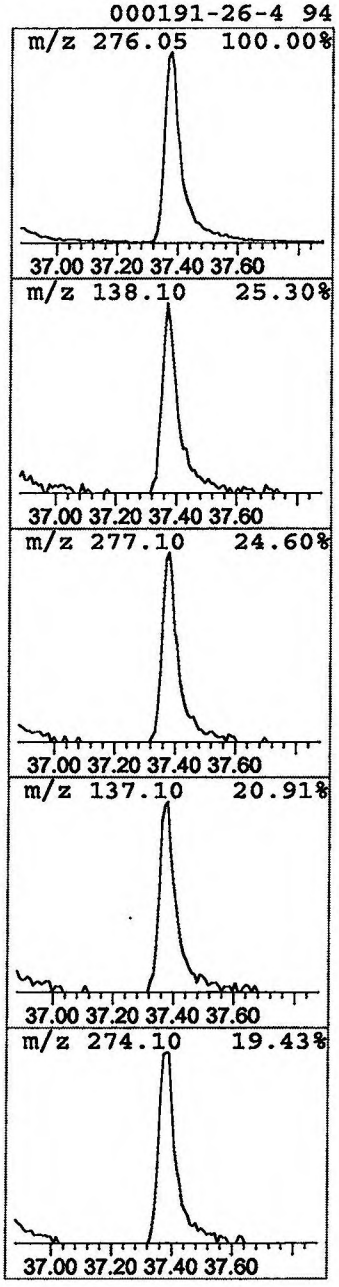
****

Peak Number 4 Benzo[ghi]perylene $$ Benzo... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.38	2.39 ug/L	910889	Perylene-d12	34.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene $$ Benzo-1,12..	276	C22H12	000191-24-2	98
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
3	Benzo[ghi]perylene (CAS) $$ 1,12...	276	C22H12	000191-24-2	95
4	Dibenzo[def,mno]chrysene $$ Anth...	276	C22H12	000191-26-4	94





Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 13 Mar 2002 2:46 am
Data File: C:\MSDCHEM\1\DATA\031202\3731.D
Name: SAMPLE 3731 2/19/02
Misc:
Method: C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title: Quantitation For Method 508gcscan
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
Cyclopentasiloxan...	12.06	1.1	ug/L	547998	2	13.03	9617700	20.0
Carbazole	23.28	0.4	ug/L	236085	4	22.50	10654300	20.0
1,2-Benzenedicarb...	32.75	1.1	ug/L	435459	6	34.19	7632610	20.0
Benzo[ghi]perylen...	37.38	2.4	ug/L	910889	6	34.19	7632610	20.0

→ quantitated