Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082316\
Data File : BM007256.D
Acq On : 23 Aug 2016 17:26
Operator : UM/SJ
Sample : MDL-03-S
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 23 18:04:50 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 23 13:53:51 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-03-S

Manual Integrations APPROVED
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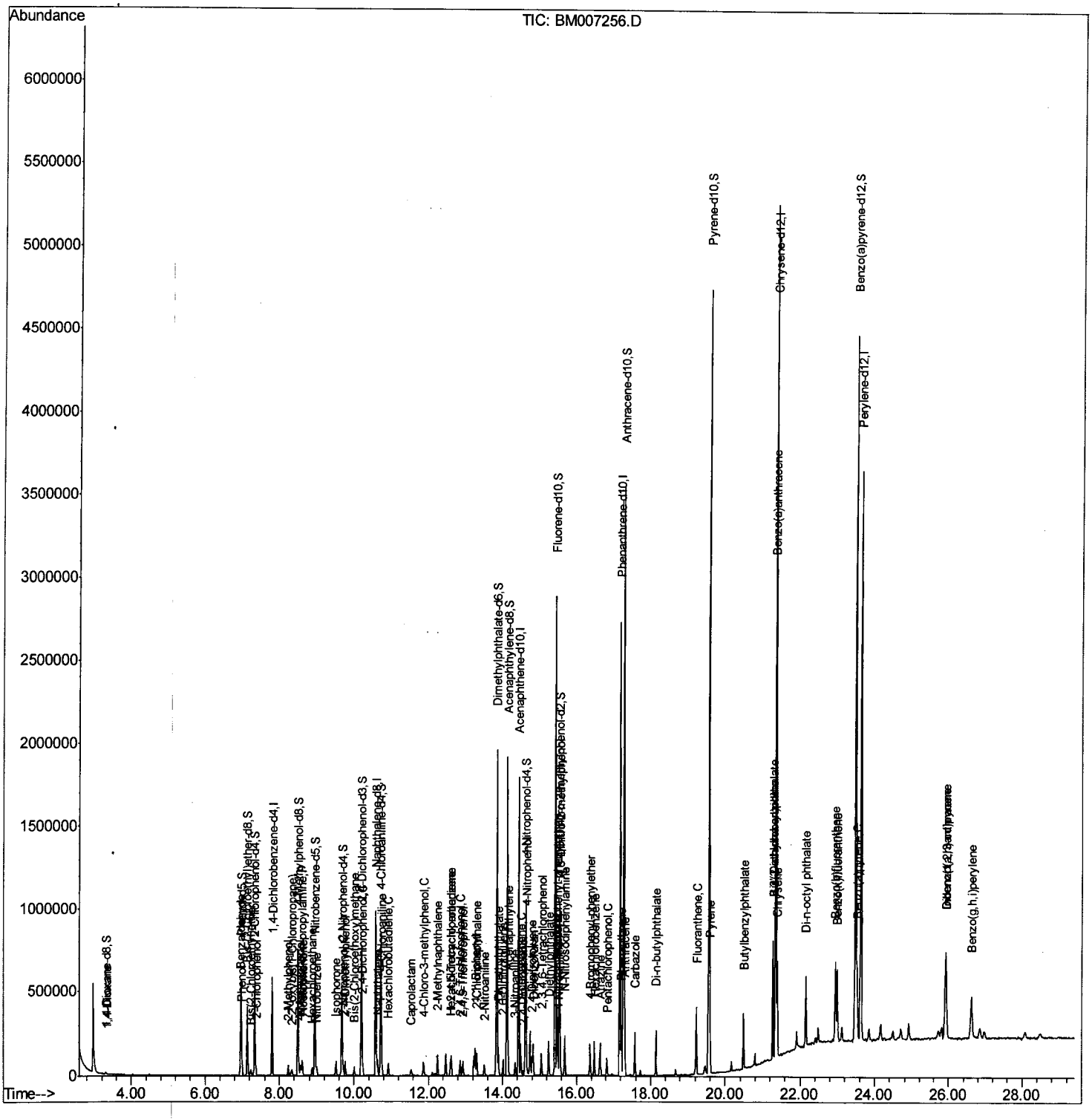

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.62	216	36294	1.85 ng/ul	98
37) Hexachlorocyclopentadiene	12.60	237	16305	1.38 ng/ul	90
38) 2,4,6-Trichlorophenol	12.86	196	22669	1.63 ng/ul	96
39) 2,4,5-Trichlorophenol	12.93	196	25448	1.76 ng/ul	93
40) 1,1'-Biphenyl	13.26	154	86896	1.90 ng/ul	99
41) 2-Chloronaphthalene	13.30	162	66458	1.85 ng/ul	96
42) 2-Nitroaniline	13.52	65	19712	1.68 ng/ul	91
44) Dimethylphthalate	13.89	163	106265	2.10 ng/ul	99
45) 2,6-Dinitrotoluene	14.01	165	17537	1.69 ng/ul#	87
47) Acenaphthylene	14.15	152	117388	1.94 ng/ul	99
48) 3-Nitroaniline	14.34	138	18725	1.77 ng/ul	97
49) Acenaphthene	14.50	153	77378	1.96 ng/ul	94
50) 2,4-Dinitrophenol	14.55	184	8202	1.17 ng/ul	91
52) 4-Nitrophenol	14.65	109	21420	2.10 ng/ul	90
53) Dibenzofuran	14.83	168	118445	2.01 ng/ul	96
54) 2,4-Dinitrotoluene	14.80	165	30632	1.93 ng/ul#	97
55) 2,3,4,6-Tetrachlorophenol	15.06	232	28212	1.90 ng/ul	99
56) Diethylphthalate	15.26	149	109109	2.07 ng/ul	99
58) Fluorene	15.48	166	101218	2.08 ng/ul	99
59) 4-Chlorophenyl-phenylether	15.47	204	53721	2.11 ng/ul	96
60) 4-Nitroaniline	15.50	138	23799	1.98 ng/ul	98
63) 4,6-Dinitro-2-methylphenol	15.56	198	21731	1.98 ng/ul#	50
64) N-Nitrosodiphenylamine	15.69	169	93033	2.04 ng/ul	98
65) 4-Bromophenyl-phenylether	16.37	248	35306	1.91 ng/ul	98
66) Hexachlorobenzene	16.48	284	41865	2.03 ng/ul	96
67) Atrazine	16.64	200	38203	1.98 ng/ul	99
68) Pentachlorophenol	16.83	266	21017	1.58 ng/ul	98
69) Phenanthrene	17.22	178	183758	2.09 ng/ul	99
71) Anthracene	17.31	178	189945	2.10 ng/ul	98
72) Carbazole	17.58	167	165924	2.11 ng/ul	97
73) Di-n-butylphthalate	18.14	149	195213	1.97 ng/ul	99
74) Fluoranthene	19.23	202	246243	2.24 ng/ul	99
77) Pyrene	19.60	202	272957	2.10 ng/ul	97
78) Butylbenzylphthalate	20.49	149	94247	1.74 ng/ul	96
79) 3,3'-Dichlorobenzidine	21.27	252	98186	2.04 ng/ul	100
80) Benzo(a)anthracene	21.34	228	304638	2.13 ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.27	149	151378	1.93 ng/ul	99
82) Chrysene	21.39	228	278541	2.15 ng/ul	99
84) Di-n-octyl phthalate	22.16	149	266299	1.98 ng/ul	100
85) Benzo(b)fluoranthene	22.94	252	328374	2.06 ng/ul	98
86) Benzo(k)fluoranthene	22.99	252	316107	2.14 ng/ul	99
88) Benzo(a)pyrene	23.53	252	335516	2.20 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.91	276	391206	2.09 ng/ul	97
90) Dibenzo(a,h)anthracene	25.93	278	335360	2.15 ng/ul	98
91) Benzo(g,h,i)perylene	26.62	276	332879	2.09 ng/ul	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	154391	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	786511	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	589410	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1634917	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	2423330	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	2697039	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	6947	2.30	ng/uL	0.00
5) Phenol-d5	6.97	99	306339	21.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	183777	23.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	241647	22.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	275427	21.65	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	132517	22.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	159166	23.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.21	165	284237	21.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	414510	24.75	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	1299380	25.55	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1406495	23.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	235778	24.56	ng/ul	0.00
57) Fluorene-d10	15.43	176	1090645	24.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	232262	22.59	ng/ul	0.00
70) Anthracene-d10	17.27	188	1929666	25.27	ng/ul	0.00
76) Pyrene-d10	19.57	212	2490031	24.57	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	3185377	25.64	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	1906	0.57	ng/uL#	68
4) Benzaldehyde	6.95	77	19825	2.39	ng/ul	98
6) Phenol	6.99	94	26132	1.73	ng/ul#	87
8) Bis(2-Chloroethyl)ether	7.23	93	21799	2.07	ng/ul	91
10) 2-Chlorophenol	7.37	128	19896	1.80	ng/ul	92
11) 2-Methylphenol	8.24	108	19587	1.66	ng/ul	90
12) 2,2'-oxybis(1-Chloropropan	8.34	45	23913	2.02	ng/ul#	93
14) Acetophenone	8.62	105	38919	2.00	ng/ul	91
15) N-Nitroso-di-n-propylamine	8.60	70	19728	1.90	ng/ul#	96
16) 4-Methylphenol	8.56	108	22135	1.67	ng/ul	91
17) Hexachloroethane	8.87	117	7475	1.74	ng/ul	84
20) Nitrobenzene	9.00	77	29664	2.00	ng/ul	99
21) Isophorone	9.52	82	57271	1.90	ng/ul	99
23) 2-Nitrophenol	9.70	139	13744	1.88	ng/ul	91
24) 2,4-Dimethylphenol	9.76	107	29653	1.83	ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.00	93	30760	1.81	ng/ul	94
27) 2,4-Dichlorophenol	10.23	162	22737	1.71	ng/ul#	76
28) Naphthalene	10.64	128	73314	1.87	ng/ul	99
30) 4-Chloroaniline	10.75	127	33231	1.93	ng/ul	94
31) Hexachlorobutadiene	10.92	225	16934	1.88	ng/ul	99
32) Caprolactam	11.53	113	10398m	1.94	ng/ul	
33) 4-Chloro-3-methylphenol	11.87	107	28625	1.73	ng/ul	95
34) 2-Methylnaphthalene	12.25	142	60140	1.88	ng/ul	90

U.M 08/24/16

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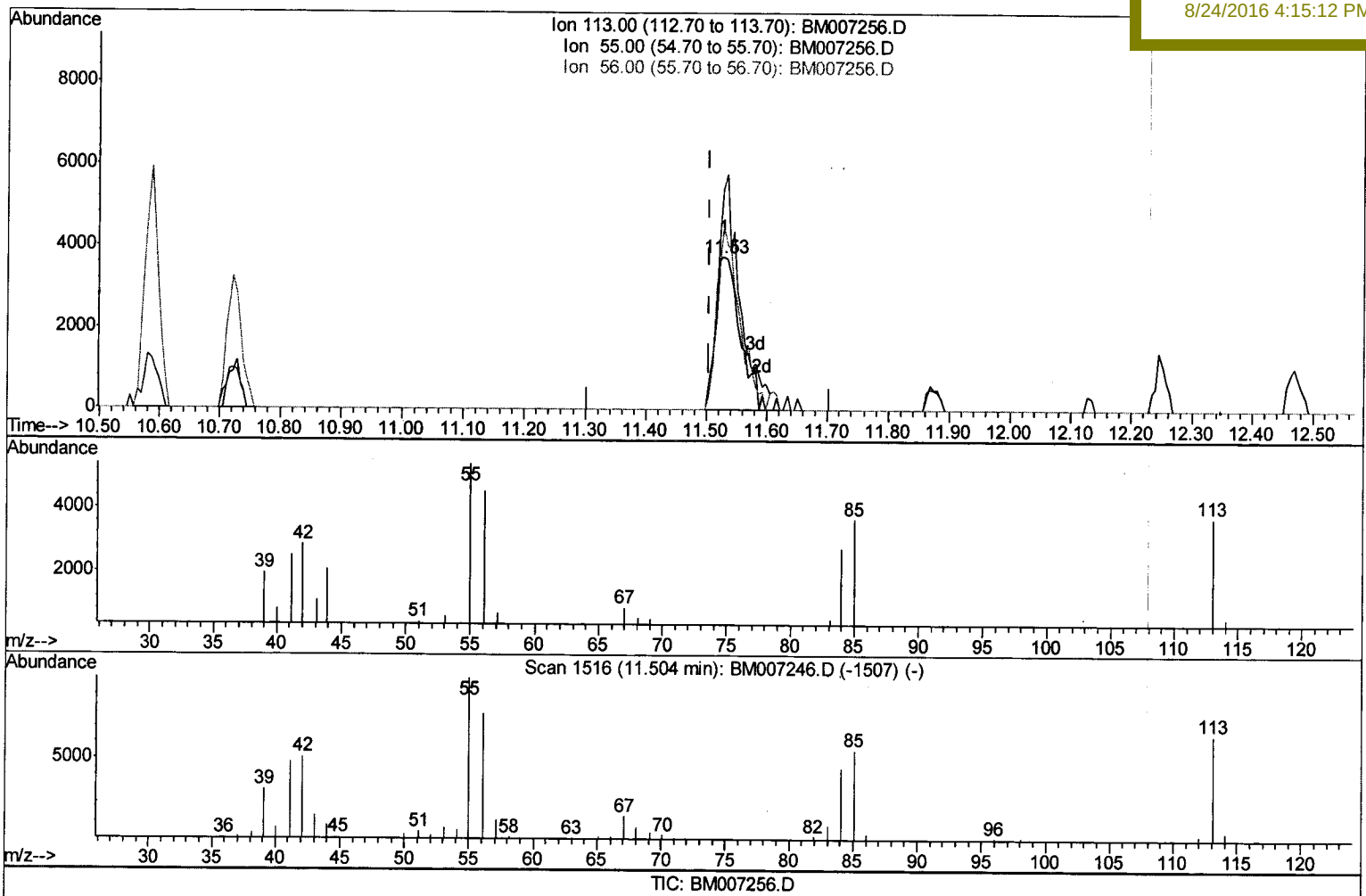

TIC: BM007256.D

(32) Caprolactam

11.528min (+0.024) 1.94ng/ul m U·M 08/24/16

response 10398

Ion	Exp%	Act%
113.00	100	100
55.00	152.40	144.14
56.00	121.70	120.64
0.00	0.00	0.00

Quantitation Report (Qedit)

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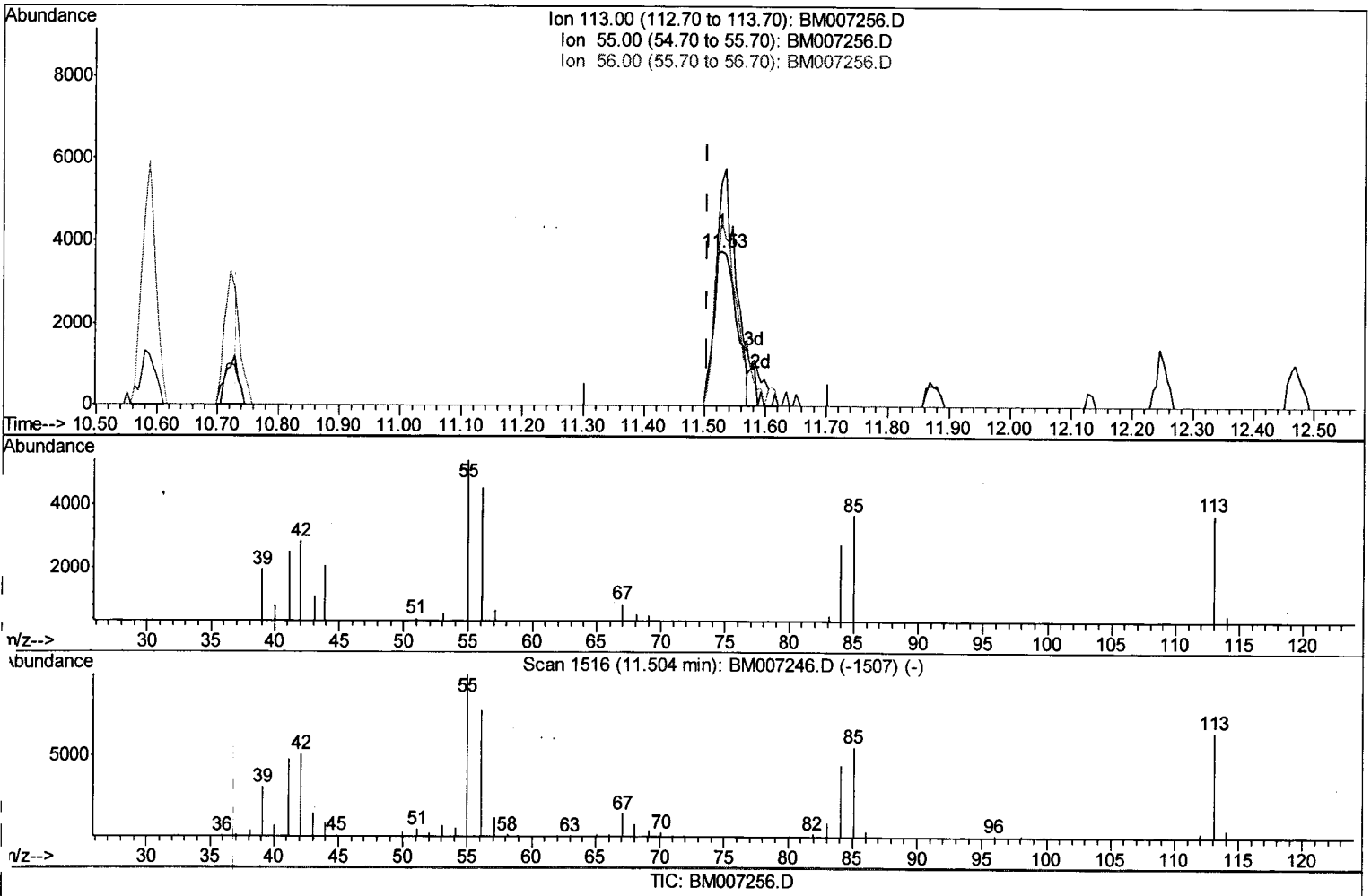

TIC: BM007256.D

(32) Caprolactam

11.528min (+0.024) 1.82ng/ul

response 9764

Ion	Exp%	Act%
113.00	100	100
55.00	152.40	144.14
56.00	121.70	120.64
0.00	0.00	0.00