

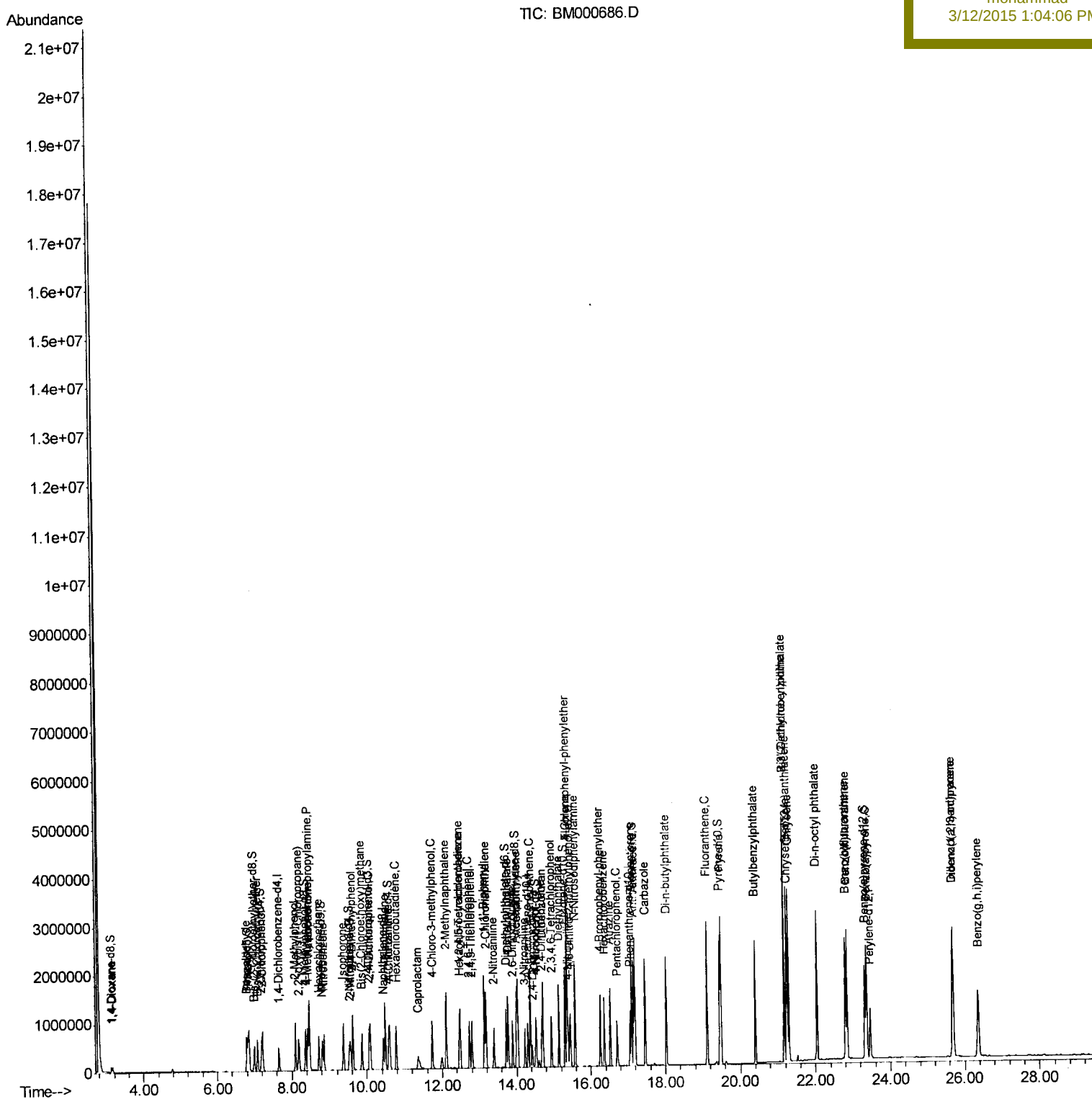
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Data File : BM000686.D
Acq On : 10 Mar 2015 23:53
Operator : TP/LZ
Sample : SSTD04068
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 11 13:06:40 2015
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM02.2-EPA-BM031115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 11 13:44:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD04068

Manual Integrations APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.49	216	362411	36.58	ng/ul	98
37) Hexachlorocyclopentadiene	12.46	237	206443	32.79	ng/ul	99
38) 2,4,6-Trichlorophenol	12.73	196	218692	41.35	ng/ul	96
39) 2,4,5-Trichlorophenol	12.80	196	244519	40.36	ng/ul	95
40) 1,1'-Biphenyl	13.13	154	987841	40.96	ng/ul#	97
41) 2-Chloronaphthalene	13.17	162	762844	40.82	ng/ul	98
42) 2-Nitroaniline	13.39	65	210881	47.11	ng/ul	86
44) Dimethylphthalate	13.77	163	916980	40.27	ng/ul	99
45) 2,6-Dinitrotoluene	13.89	165	187394	46.49	ng/ul	91
47) Acenaphthylene	14.03	152	1275544	43.17	ng/ul	99
48) 3-Nitroaniline	14.22	138	189744	51.11	ng/ul	95
49) Acenaphthene	14.37	153	823549	42.17	ng/ul	97
50) 2,4-Dinitrophenol	14.43	184	95733	43.31	ng/ul#	79
52) 4-Nitrophenol	14.53	109	124111m	29.40	ng/ul	
53) Dibenzofuran	14.71	168	1163348	40.82	ng/ul	87
54) 2,4-Dinitrotoluene	14.68	165	280442	47.78	ng/ul#	89
55) 2,3,4,6-Tetrachlorophenol	14.94	232	203479	41.59	ng/ul	98
56) Diethylphthalate	15.14	149	921167	41.26	ng/ul	100
58) Fluorene	15.36	166	955997	41.54	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.36	204	452520	37.84	ng/ul	89
60) 4-Nitroaniline	15.39	138	215852	49.85	ng/ul#	71
63) 4,6-Dinitro-2-methylphenol	15.44	198	166422	43.59	ng/ul#	91
64) N-Nitrosodiphenylamine	15.57	169	813008	42.65	ng/ul	98
65) 4-Bromophenyl-phenylether	16.25	248	257616	37.58	ng/ul#	89
66) Hexachlorobenzene	16.36	284	284078	36.51	ng/ul	99
67) Atrazine	16.53	200	273526	41.68	ng/ul	96
68) Pentachlorophenol	16.71	266	155620	38.83	ng/ul	99
69) Phenanthrene	17.10	178	1520466	42.13	ng/ul	99
71) Anthracene	17.19	178	1569611	42.98	ng/ul	99
72) Carbazole	17.46	167	1428674	45.59	ng/ul	98
73) Di-n-butylphthalate	18.03	149	1580174	48.16	ng/ul#	98
74) Fluoranthene	19.12	202	1738288	43.41	ng/ul#	85
77) Pvrene	19.49	202	1845738	40.66	ng/ul#	85
78) Butylbenzylphthalate	20.39	149	710692	47.39	ng/ul	97
79) 3,3'-Dichlorobenzidine	21.17	252	512744	41.50	ng/ul	100
80) Benzo(a)anthracene	21.23	228	1746317	41.80	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.17	149	1050356	49.41	ng/ul	100
82) Chrysene	21.29	228	1653288	41.49	ng/ul	99
84) Di-n-octyl phthalate	22.03	149	1847436	46.02	ng/ul	100
85) Benzo(b)fluoranthene	22.80	252	1662956	40.55	ng/ul#	95
86) Benzo(k)fluoranthene	22.84	252	1679137	42.43	ng/ul#	96
88) Benzo(a)pyrene	23.36	252	1640581	42.16	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.67	276	1817190	42.12	ng/ul#	87
90) Dibenzo(a,h)anthracene	25.69	278	1540739	42.85	ng/ul#	93
91) Benzo(a,h,i)perylene	26.36	276	1537435	42.03	ng/ul#	91

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	129296	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	523490	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	300674	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	668285	20.00	ng/ul	0.00
75) Chrysene-d12	21.25	240	732275	20.00	ng/ul	0.00
83) Perylene-d12	23.46	264	690992	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.12	96	41138	17.45	ng/uL	0.00
5) Phenol-d5	6.83	99	391858	44.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	228757	43.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	318530	42.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	307216	42.47	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	145630	44.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	159803	43.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	308433	38.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	378647	52.10	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	801585	38.69	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	1143498	40.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	166660	48.04	ng/ul	0.00
57) Fluorene-d10	15.30	176	801035	38.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	149847	40.89	ng/ul	0.00
70) Anthracene-d10	17.15	188	1230954	40.50	ng/ul	0.00
76) Pyrene-d10	19.46	212	1341214	38.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.31	264	1235747	40.04	ng/ul	0.00

Target Compounds				Ovalue		
2) 1,4-Dioxane	3.15	88	48220	18.43	ng/uL#	79
4) Benzaldehyde	6.79	77	232088	86.10	ng/ul	97
6) Phenol	6.85	94	430557	47.98	ng/ul#	82
8) Bis(2-Chloroethyl)ether	7.08	93	329037	46.36	ng/ul	94
10) 2-Chlorophenol	7.22	128	343801	44.98	ng/ul	93
11) 2-Methylphenol	8.10	108	323171	45.51	ng/ul	95
12) 2,2'-oxybis(1-Chloropropan	8.19	45	569728	40.26	ng/ul#	98
14) Acetophenone	8.47	105	503186	42.43	ng/ul#	88
15) N-Nitroso-di-n-propylamine	8.46	70	243309	44.60	ng/ul	87
16) 4-Methylphenol	8.43	108	344843	45.83	ng/ul	96
17) Hexachloroethane	8.72	117	132332	38.92	ng/ul	94
20) Nitrobenzene	8.85	77	377820	42.03	ng/ul	94
21) Isophorone	9.37	82	640391	42.80	ng/ul#	97
23) 2-Nitrophenol	9.56	139	182695	45.58	ng/ul#	79
24) 2,4-Dimethylphenol	9.62	107	370469	39.00	ng/ul#	88
25) Bis(2-Chloroethoxy)methane	9.86	93	414886	45.32	ng/ul	99
27) 2,4-Dichlorophenol	10.09	162	313316	40.20	ng/ul	97
28) Naphthalene	10.49	128	1109078	42.06	ng/ul	99
30) 4-Chloroaniline	10.60	127	395639	53.89	ng/ul	95
31) Hexachlorobutadiene	10.77	225	188195	31.29	ng/ul	99
32) Caprolactam	11.36	113	89824m	48.41	ng/ul	
33) 4-Chloro-3-methylphenol	11.73	107	326877	40.03	ng/ul	90
34) 2-Methylnaphthalene	12.11	142	765804	40.40	ng/ul	100

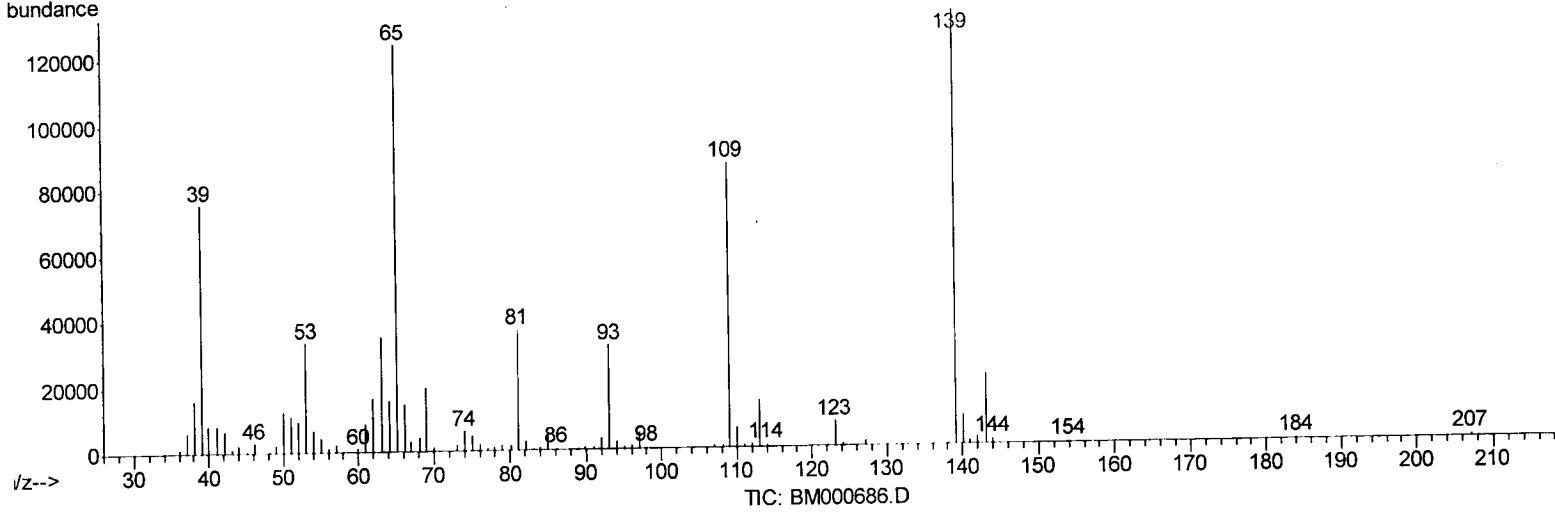
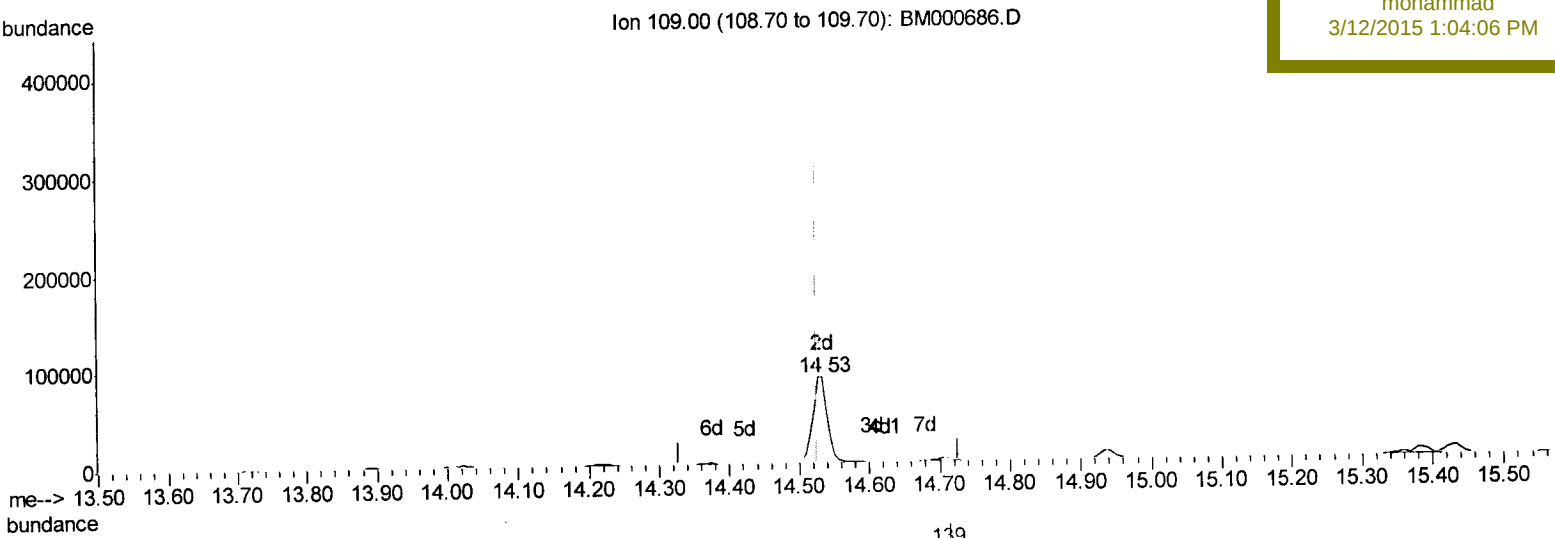
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(52) 4-Nitrophenol
14.533min (+0.006) 29.40ng/ul m
response 124111

TP
03/12/15

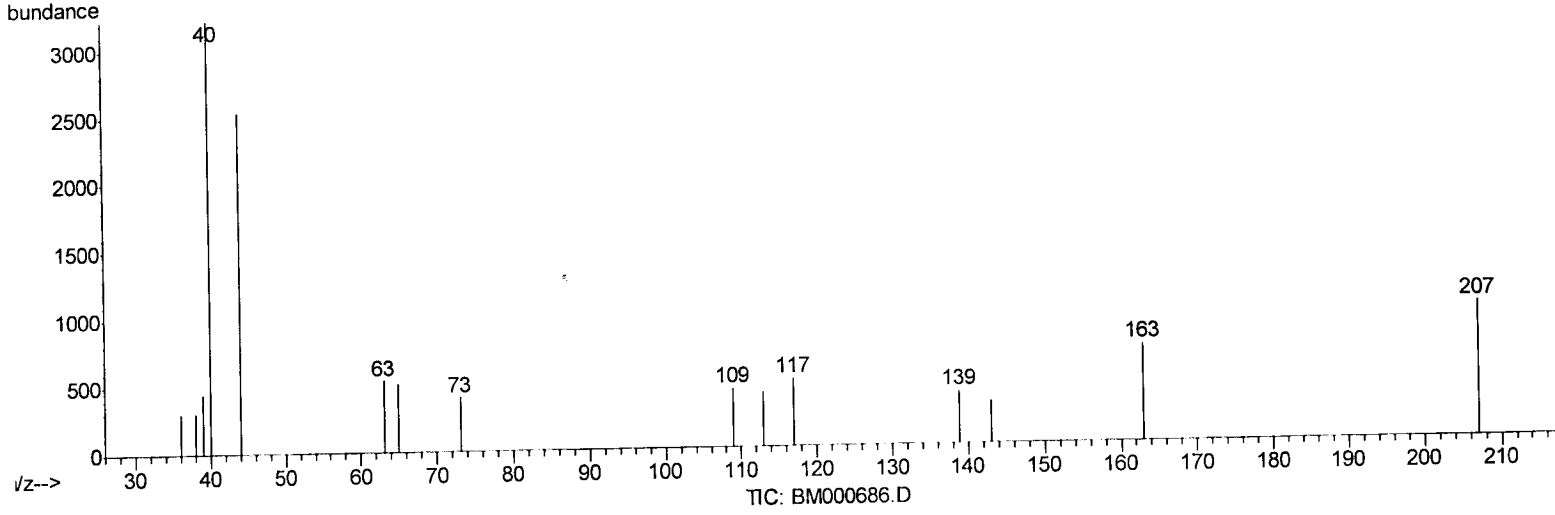
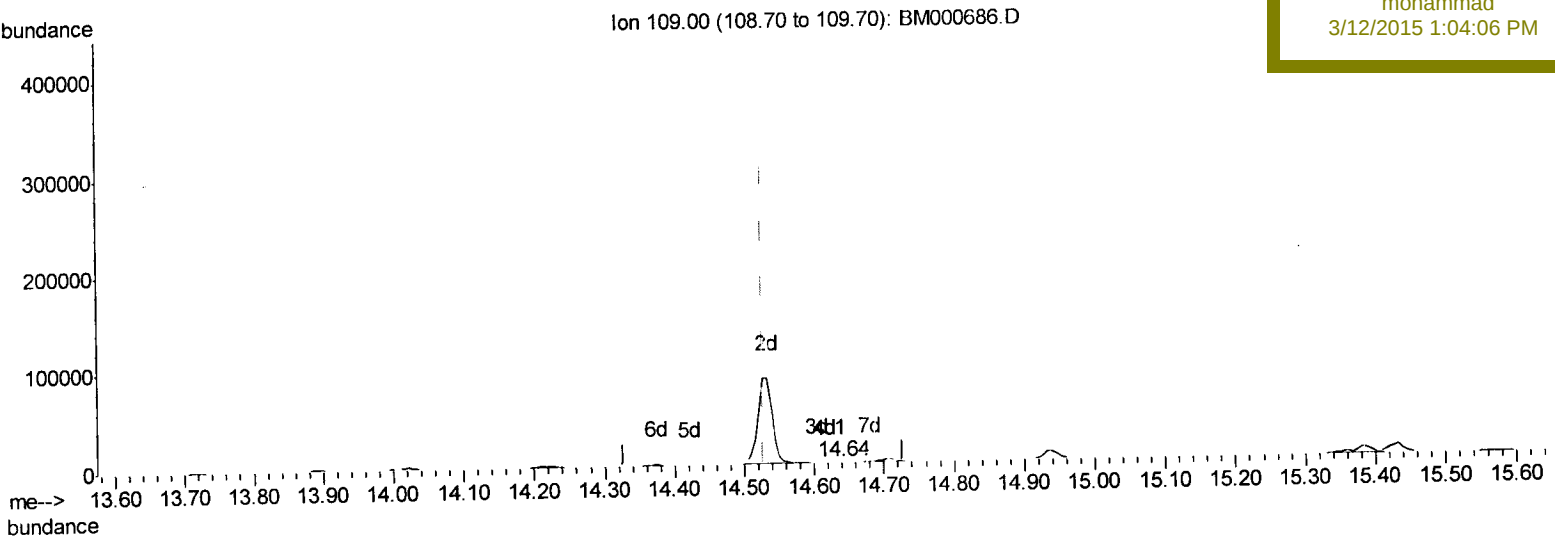
Ion	Exp%	Act%
109.00	100	100
139.00	89.30	152.91#
65.00	103.50	143.44#
0.00	0.00	0.00

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(52) 4-Nitrophenol
14.639min (+0.112) 0.10ng/ul
response 417

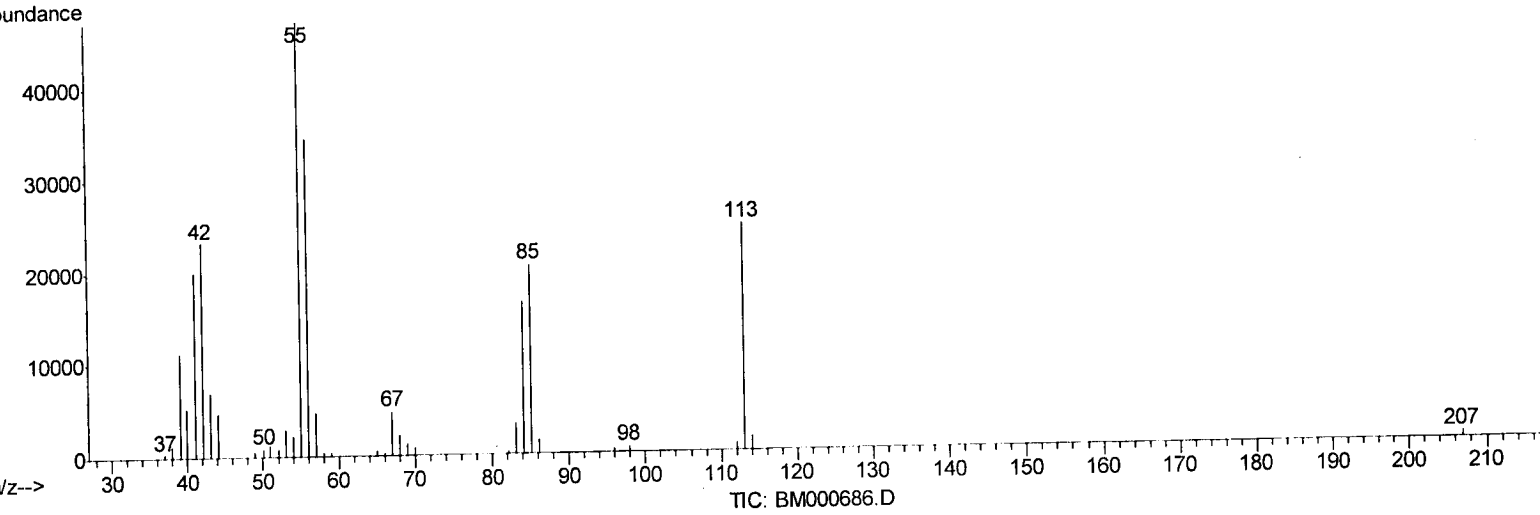
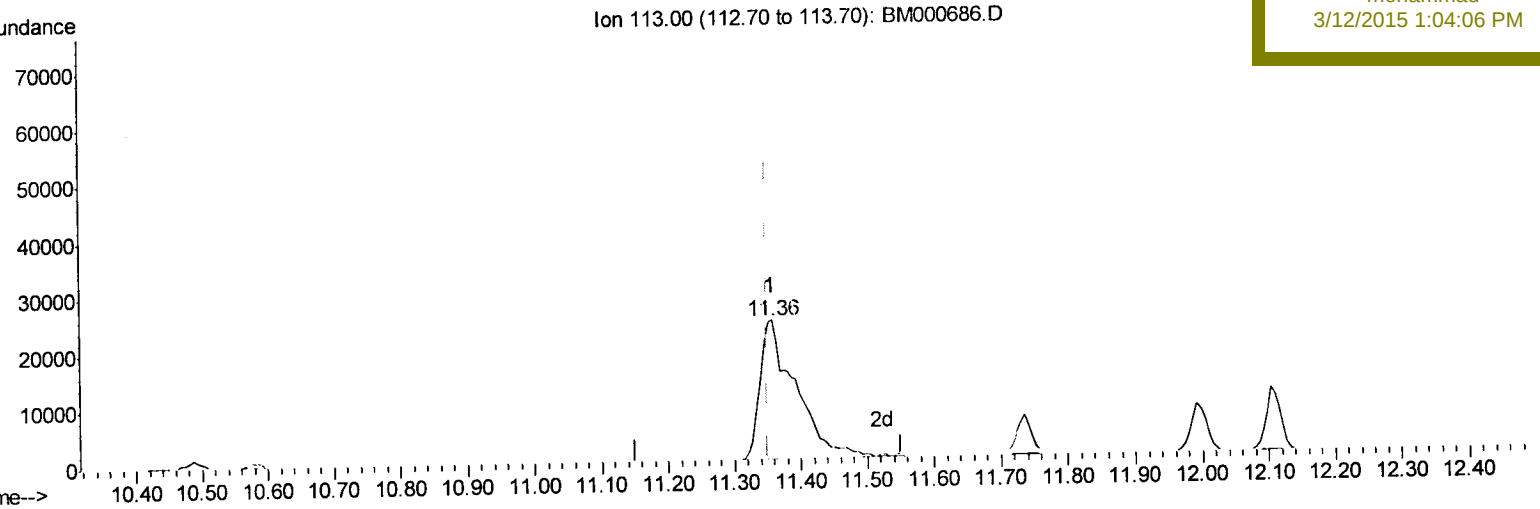
Ion	Exp%	Act%
109.00	100	100
139.00	89.30	89.22
65.00	103.50	116.97
0.00	0.00	0.00

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(32) Caprolactam

11.357min (+0.006) 48.41ng/ul m

response 89824

Ion	Exp%	Act%
113.00	100	100
55.00	209.90	190.83
56.00	190.90	139.66#
0.00	0.00	0.00

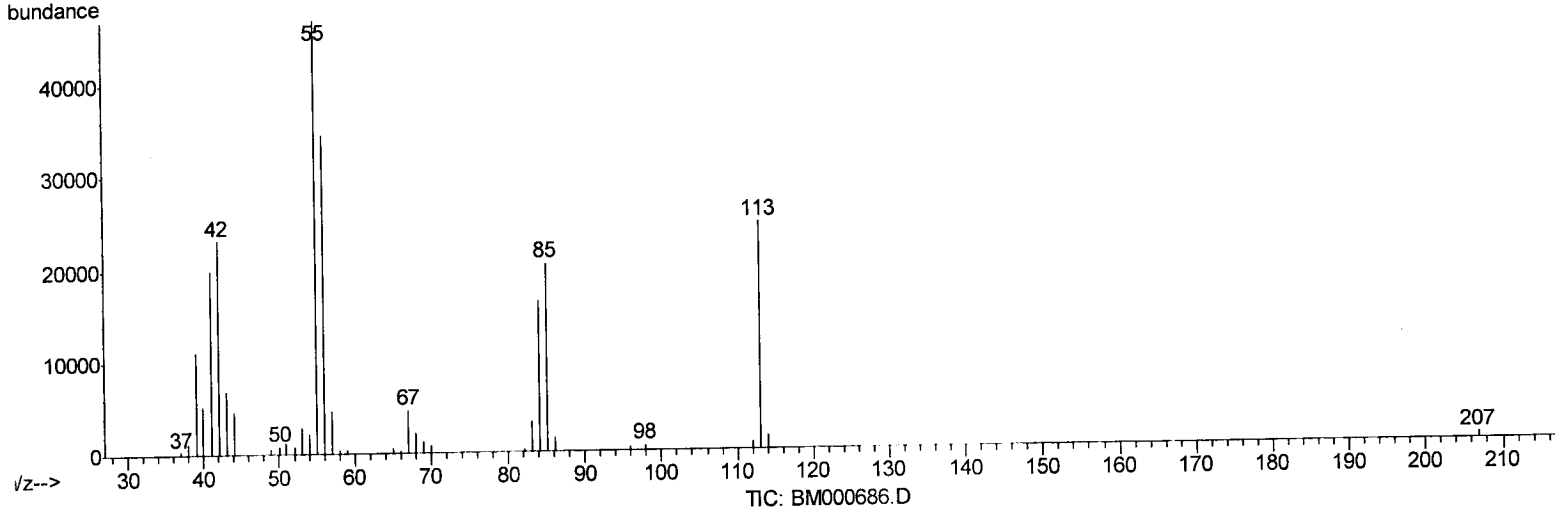
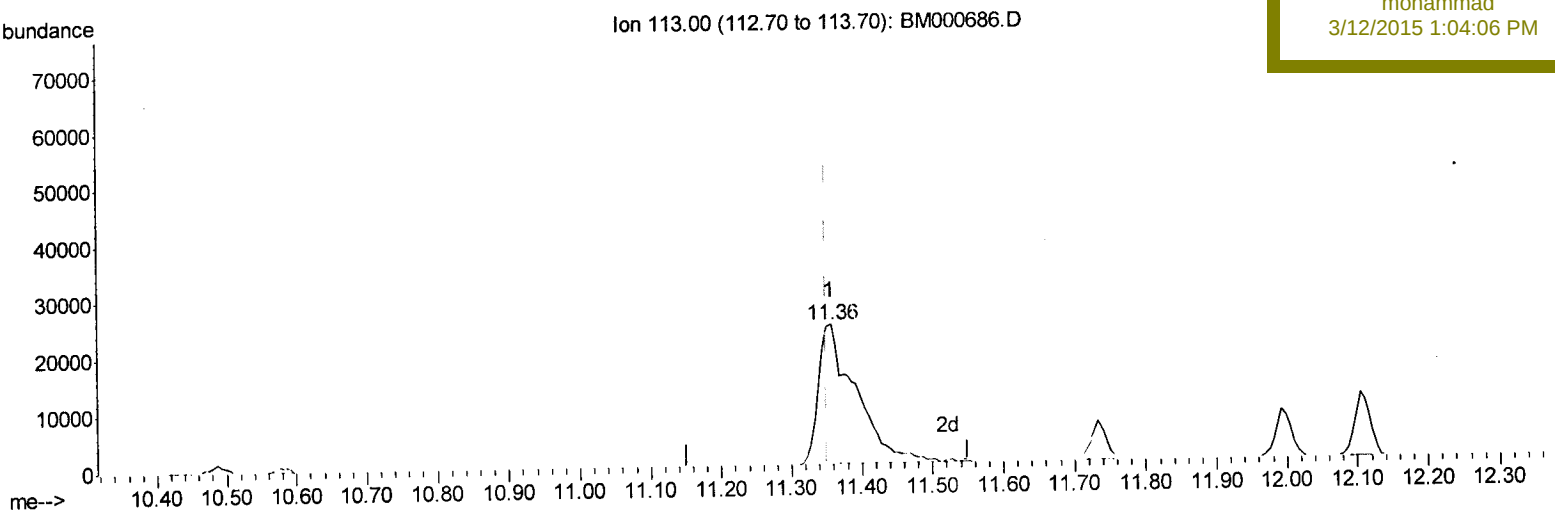
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(32) Caprolactam
11.357min (+0.006) 25.04ng/ul
response 46458

Ion	Exp%	Act%
113.00	100	100
55.00	209.90	190.83
56.00	190.90	139.66#
0.00	0.00	0.00