

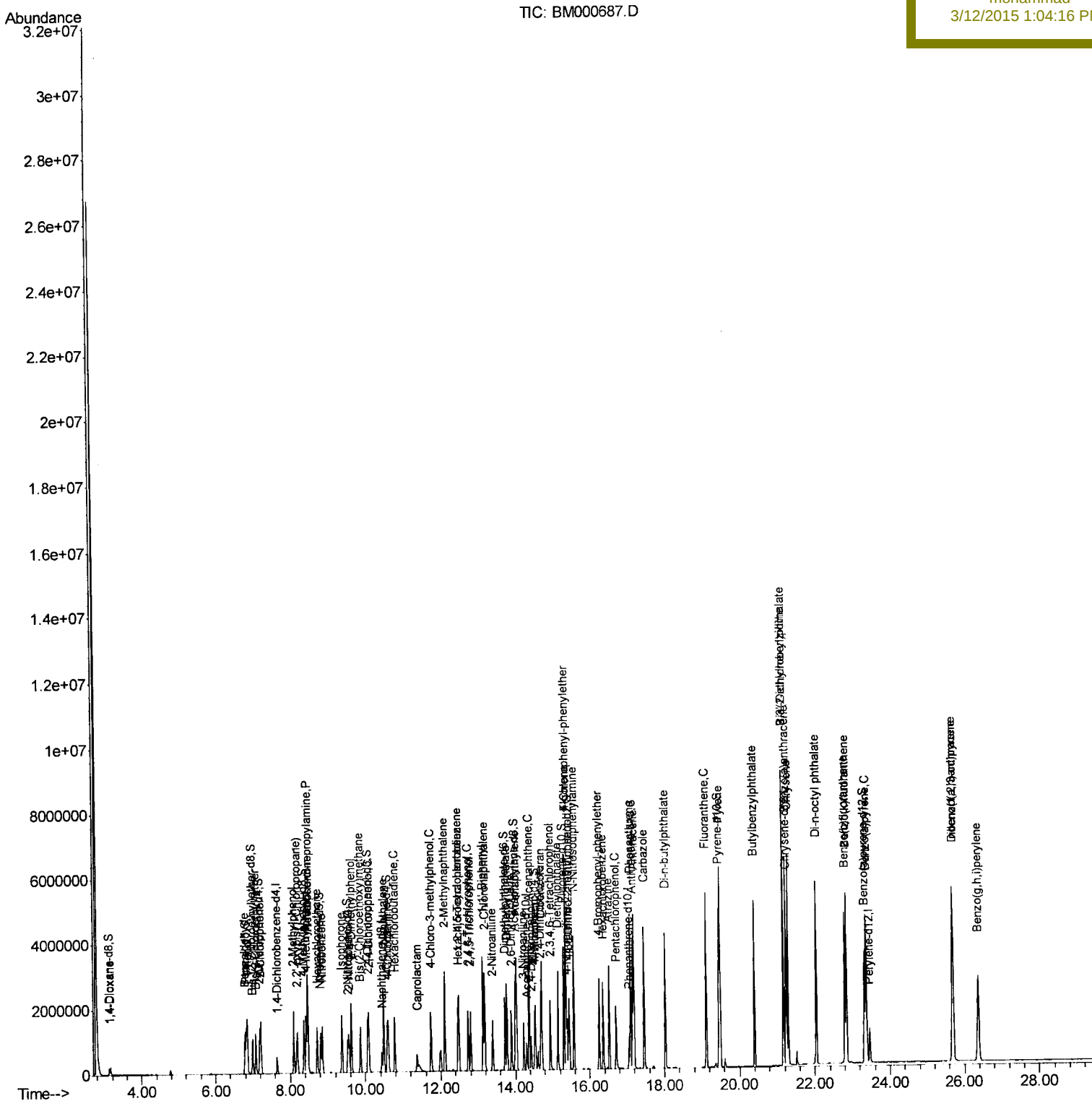
Data Path : Z:\HPCHEM1\BNA M\Data\BM031115\
Data File : BM000687.D
Acq On : 11 Mar 2015 00:29
Operator : TP/IZ
Sample : SSTD08069
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 11 13:09:01 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 :
SSTD08069

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	674992	71.31	ng/ul	97
37) Hexachlorocyclopentadiene	12.46	237	407749	67.78	ng/ul	100
38) 2,4,6-Trichlorophenol	12.73	196	434912	86.05	ng/ul	96
39) 2,4,5-Trichlorophenol	12.80	196	472688	81.66	ng/ul	95
40) 1,1'-Biphenyl	13.13	154	1845961	80.09	ng/ul#	98
41) 2-Chloronaphthalene	13.17	162	1425629	79.84	ng/ul	98
42) 2-Nitroaniline	13.39	65	420648	98.34	ng/ul#	84
44) Dimethylphthalate	13.77	163	1700418	78.15	ng/ul	99
45) 2,6-Dinitrotoluene	13.89	165	369607	95.96	ng/ul	93
47) Acenaphthylene	14.03	152	2368458	83.89	ng/ul	100
48) 3-Nitroaniline	14.22	138	345913	97.51	ng/ul#	90
49) Acenaphthene	14.37	153	1522933	81.60	ng/ul	97
50) 2,4-Dinitrophenol	14.43	184	218123	103.27	ng/ul#	77
52) 4-Nitrophenol	14.54	109	247313	61.31	ng/ul#	52
53) Dibenzofuran	14.71	168	2140999	78.61	ng/ul	87
54) 2,4-Dinitrotoluene	14.69	165	535867	95.54	ng/ul#	87
55) 2,3,4,6-Tetrachlorophenol	14.94	232	398852	85.32	ng/ul	99
56) Diethylphthalate	15.14	149	1706053	79.98	ng/ul	100
58) Fluorene	15.36	166	1765272	80.28	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.36	204	822104	71.94	ng/ul	91
60) 4-Nitroaniline	15.39	138	417206	100.84	ng/ul#	68
63) 4,6-Dinitro-2-methylphenol	15.45	198	330056	91.73	ng/ul#	90
64) N-Nitrosodiphenylamine	15.57	169	1499956	83.48	ng/ul	98
65) 4-Bromophenyl-phenylether	16.25	248	471638	73.01	ng/ul	91
66) Hexachlorobenzene	16.37	284	524861	71.57	ng/ul	96
67) Atrazine	16.53	200	525535	84.98	ng/ul	96
68) Pentachlorophenol	16.71	266	323027	85.51	ng/ul	97
69) Phenanthrene	17.10	178	2796274	82.20	ng/ul	99
71) Anthracene	17.19	178	2883381	83.77	ng/ul	99
72) Carbazole	17.46	167	2689071	91.05	ng/ul	99
73) Di-n-butylphthalate	18.03	149	2979990	96.37	ng/ul#	98
74) Fluoranthene	19.12	202	3259295	86.35	ng/ul#	86
77) Pyrene	19.49	202	3434477	77.17	ng/ul#	84
78) Butylbenzylphthalate	20.39	149	1413122	96.11	ng/ul	97
79) 3,3'-Dichlorobenzidine	21.17	252	942905	77.85	ng/ul	99
80) Benzo(a)anthracene	21.24	228	3271945	79.89	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.17	149	2035951	97.70	ng/ul	99
82) Chrysene	21.29	228	3118446	79.84	ng/ul	99
84) Di-n-octyl phthalate	22.04	149	3644089	90.64	ng/ul	100
85) Benzo(b)fluoranthene	22.80	252	3286802	80.02	ng/ul#	94
86) Benzo(k)fluoranthene	22.84	252	3221025	81.28	ng/ul#	96
88) Benzo(a)pyrene	23.37	252	3168680	81.30	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.69	276	3572680	82.69	ng/ul#	86
90) Dibenzo(a,h)anthracene	25.70	278	3021880	83.91	ng/ul#	93
91) Benzo(a,h,i)perylene	26.37	276	3052991	83.34	ng/ul#	90

(#) = 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	125464	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	501910	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.31	164	287318	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	629859	20.00	ng/ul	0.00
75) Chrysene-d12	21.25	240	717881	20.00	ng/ul	0.00
83) Perylene-d12	23.46	264	692016	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.12	96	82263	35.96	ng/uL	0.00
5) Phenol-d5	6.83	99	776492	91.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	450308	88.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	627704	86.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	600587	85.56	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	288168	91.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	324938	91.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	598267	78.14	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	686037	98.46	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	1508255	76.18	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	2148738	79.44	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	333103	100.47	ng/ul	0.01
57) Fluorene-d10	15.30	176	1478721	74.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	306919	88.86	ng/ul	0.00
70) Anthracene-d10	17.16	188	2288154	79.87	ng/ul	0.00
76) Pyrene-d10	19.46	212	2492546	73.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	2437923	78.87	ng/ul	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)	Ovalue
2) 1,4-Dioxane	3.15	88	95385m	37.57	ng/uL		
4) Benzaldehyde	6.80	77	424814	162.41	ng/ul		97
6) Phenol	6.86	94	836882	96.10	ng/ul#		80
8) Bis(2-Chloroethyl)ether	7.09	93	638091	92.65	ng/ul		93
10) 2-Chlorophenol	7.22	128	672710	90.71	ng/ul		95
11) 2-Methylphenol	8.10	108	630998	91.57	ng/ul		99
12) 2,2'-oxybis(1-Chloropropan	8.19	45	1071684	78.05	ng/ul#		96
14) Acetophenone	8.47	105	970812	84.36	ng/ul#		89
15) N-Nitroso-di-n-propylamine	8.47	70	469583	88.70	ng/ul#		86
16) 4-Methylphenol	8.43	108	678047	92.87	ng/ul		94
17) Hexachloroethane	8.72	117	257763	78.13	ng/ul		94
20) Nitrobenzene	8.85	77	725950	84.23	ng/ul		92
21) Isophorone	9.37	82	1257716	87.67	ng/ul#		97
23) 2-Nitrophenol	9.56	139	362856	94.42	ng/ul#		76
24) 2,4-Dimethylphenol	9.63	107	711305	78.09	ng/ul		89
25) Bis(2-Chloroethoxy)methane	9.86	93	788723	89.85	ng/ul		98
27) 2,4-Dichlorophenol	10.09	162	605028	80.97	ng/ul		96
28) Naphthalene	10.49	128	2095623	82.89	ng/ul		99
30) 4-Chloroaniline	10.60	127	701667	99.69	ng/ul		97
31) Hexachlorobutadiene	10.77	225	353193	61.25	ng/ul		99
32) Caprolactam	11.37	113	175386m	98.58	ng/ul		
33) 4-Chloro-3-methylphenol	11.74	107	636588	81.32	ng/ul		91
34) 2-Methylnaphthalene	12.11	142	1447191	79.63	ng/ul		98

} TP
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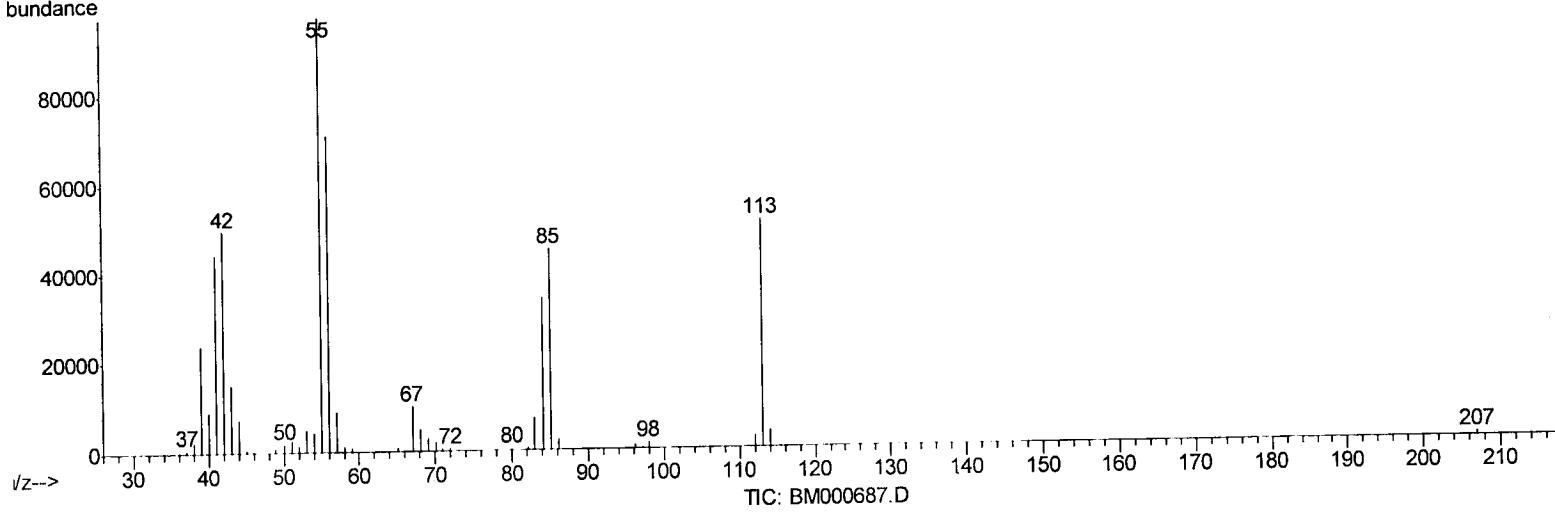
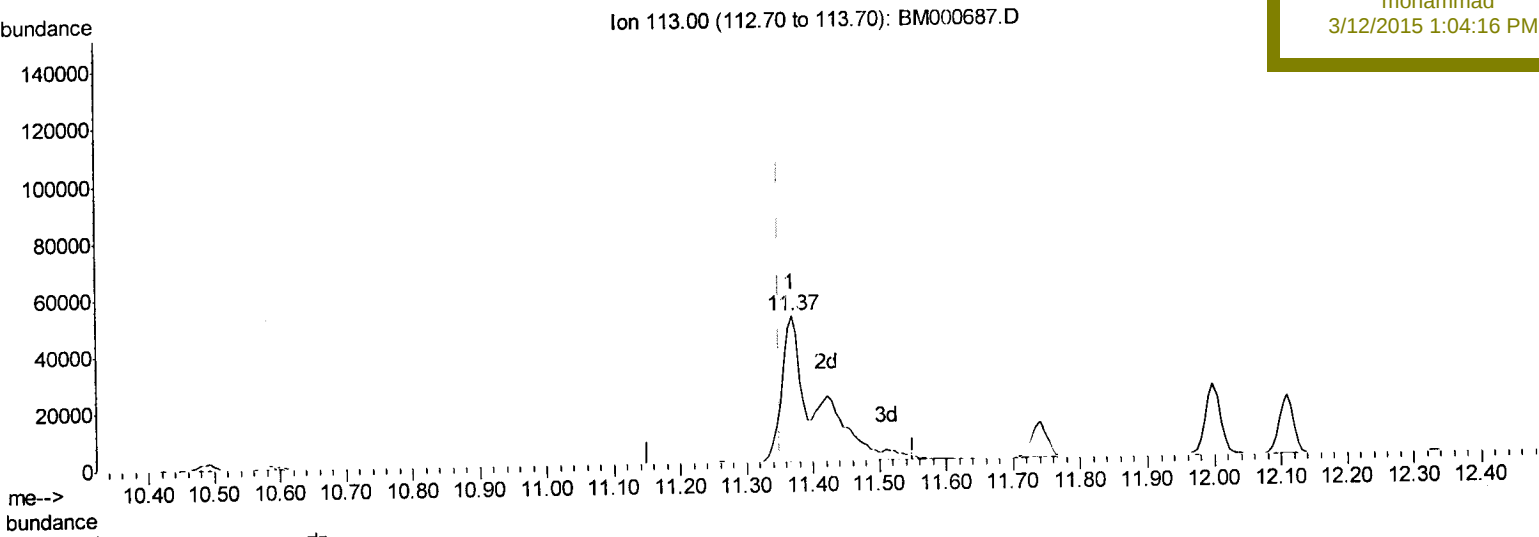
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(32) Caprolactam
11.369min (+0.018) 98.58ng/ul m
response 175386

TP
03/12/15

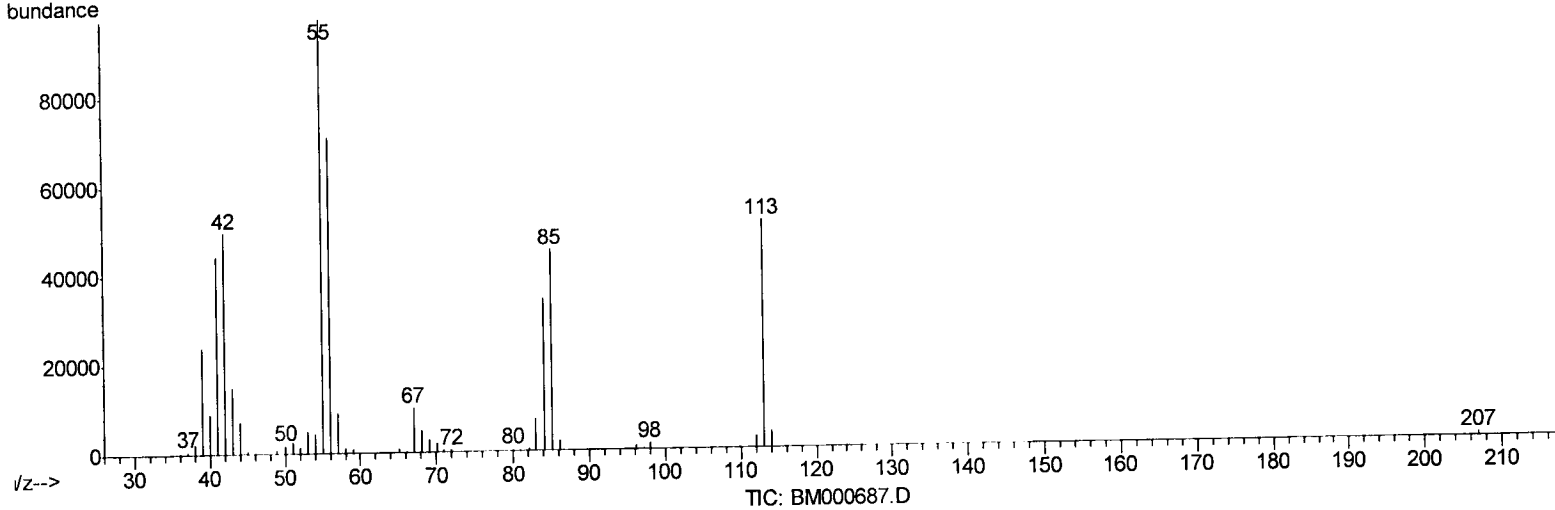
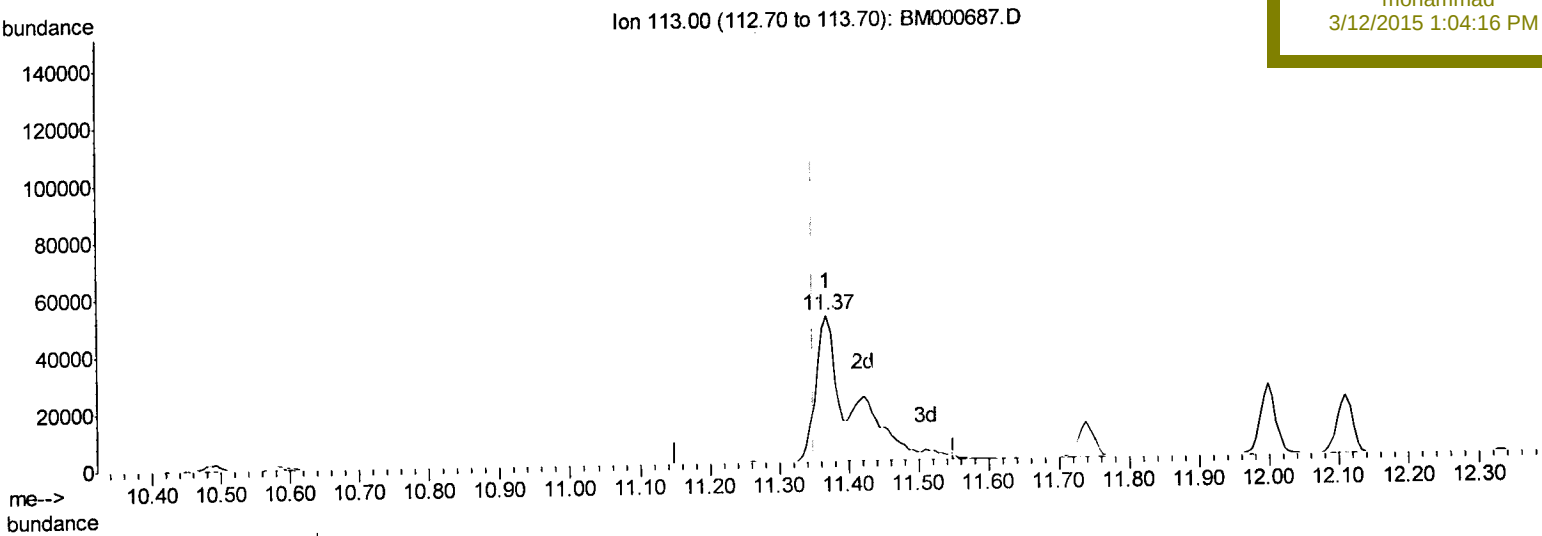
Ion	Exp%	Act%
113.00	100	100
55.00	209.90	190.65
56.00	190.90	138.65#
0.00	0.00	0.00

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(32) Caprolactam

11.369min (+0.018) 58.49ng/ul

response 104061

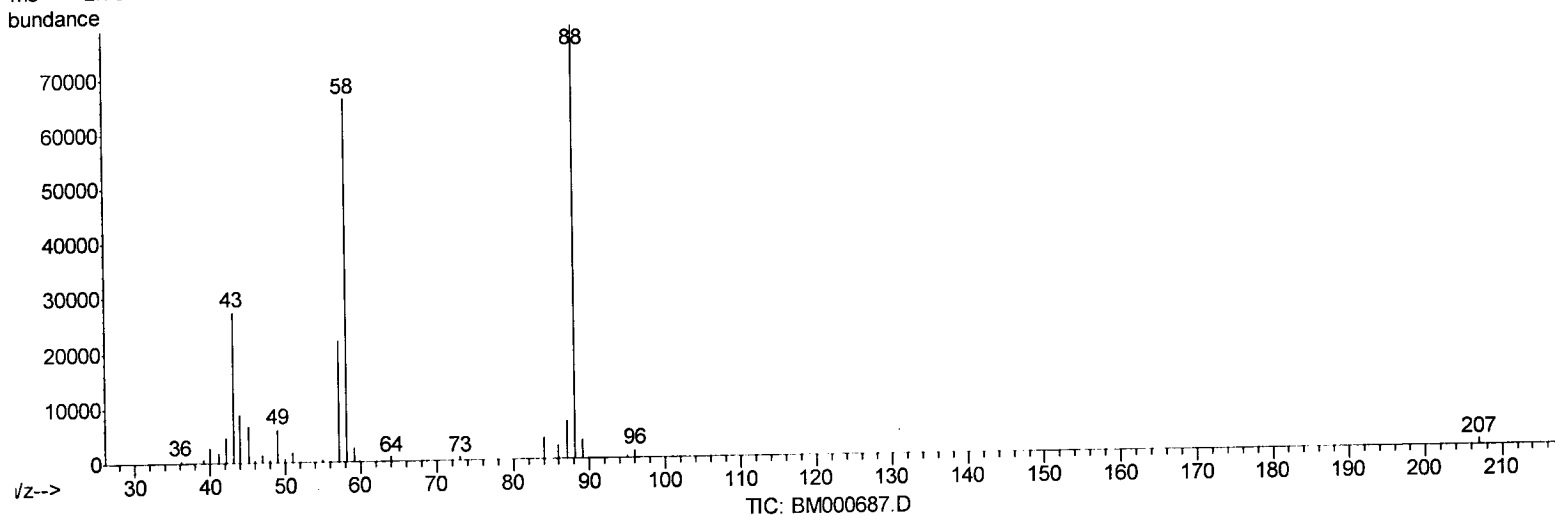
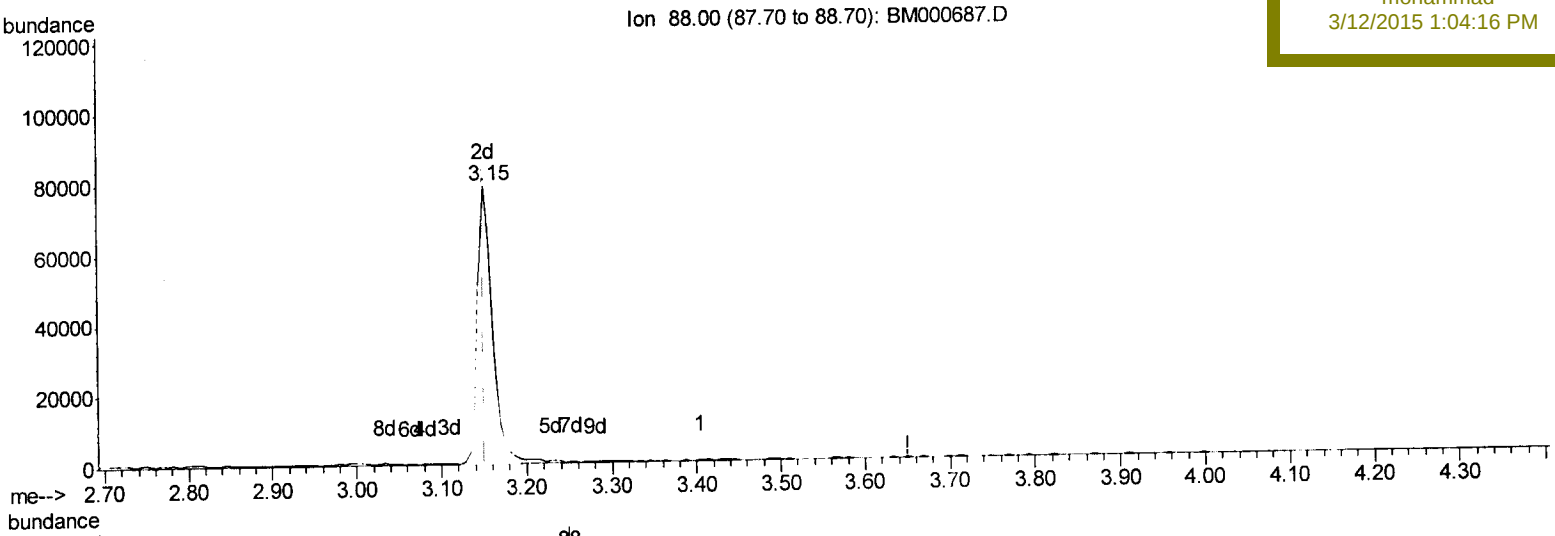
Ion	Exp%	Act%
113.00	100	100
55.00	209.90	190.65
56.00	190.90	138.65#
0.00	0.00	0.00

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(2) 1,4-Dioxane

3.151min (-0.000) 37.57ng/uL m

response 95385

TP
03/12/15

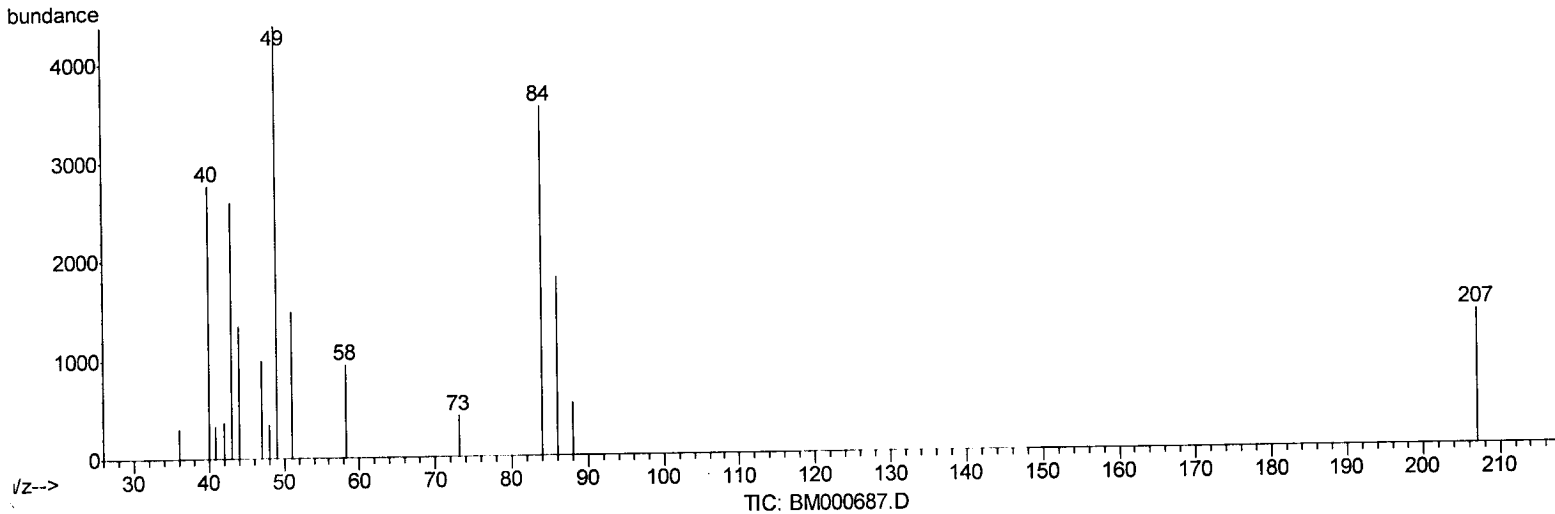
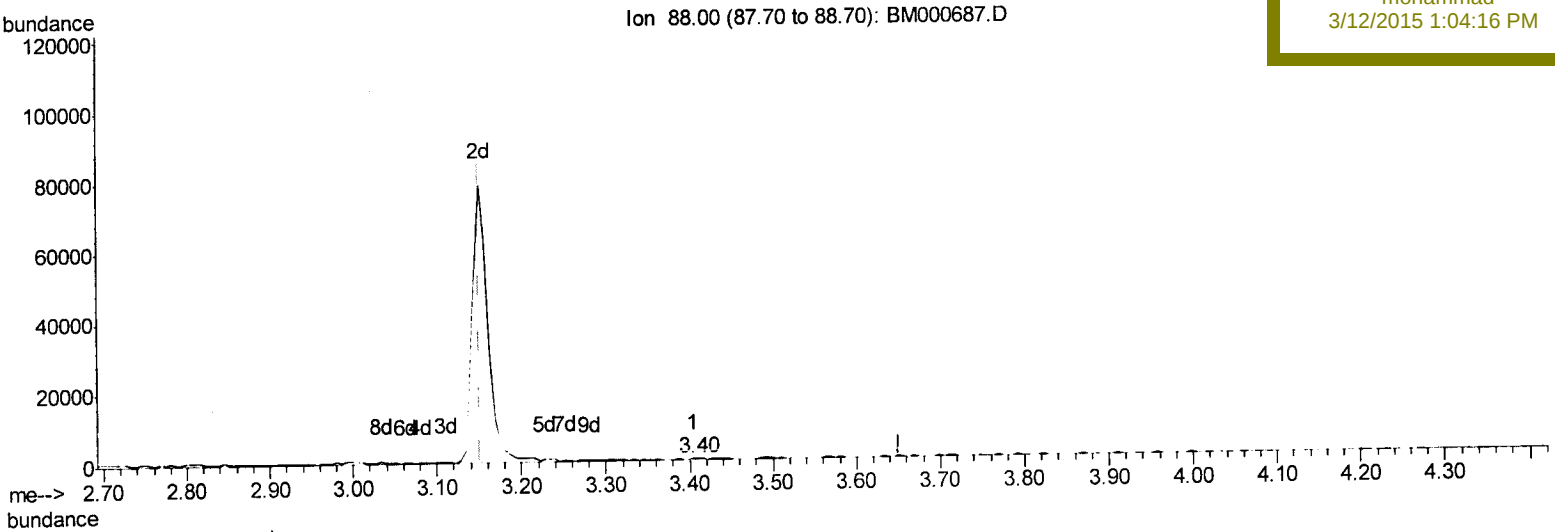
Ion	Exp%	Act%
88.00	100	100
43.00	45.90	0.20#
58.00	107.70	0.50#
0.00	0.00	0.00

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(2) 1,4-Dioxane

3.404min (+0.253) 0.19ng/uL

response 482

Ion	Exp%	Act%
88.00	100	100
43.00	45.90	39.00
58.00	107.70	99.38
0.00	0.00	0.00