

(QT Reviewed)

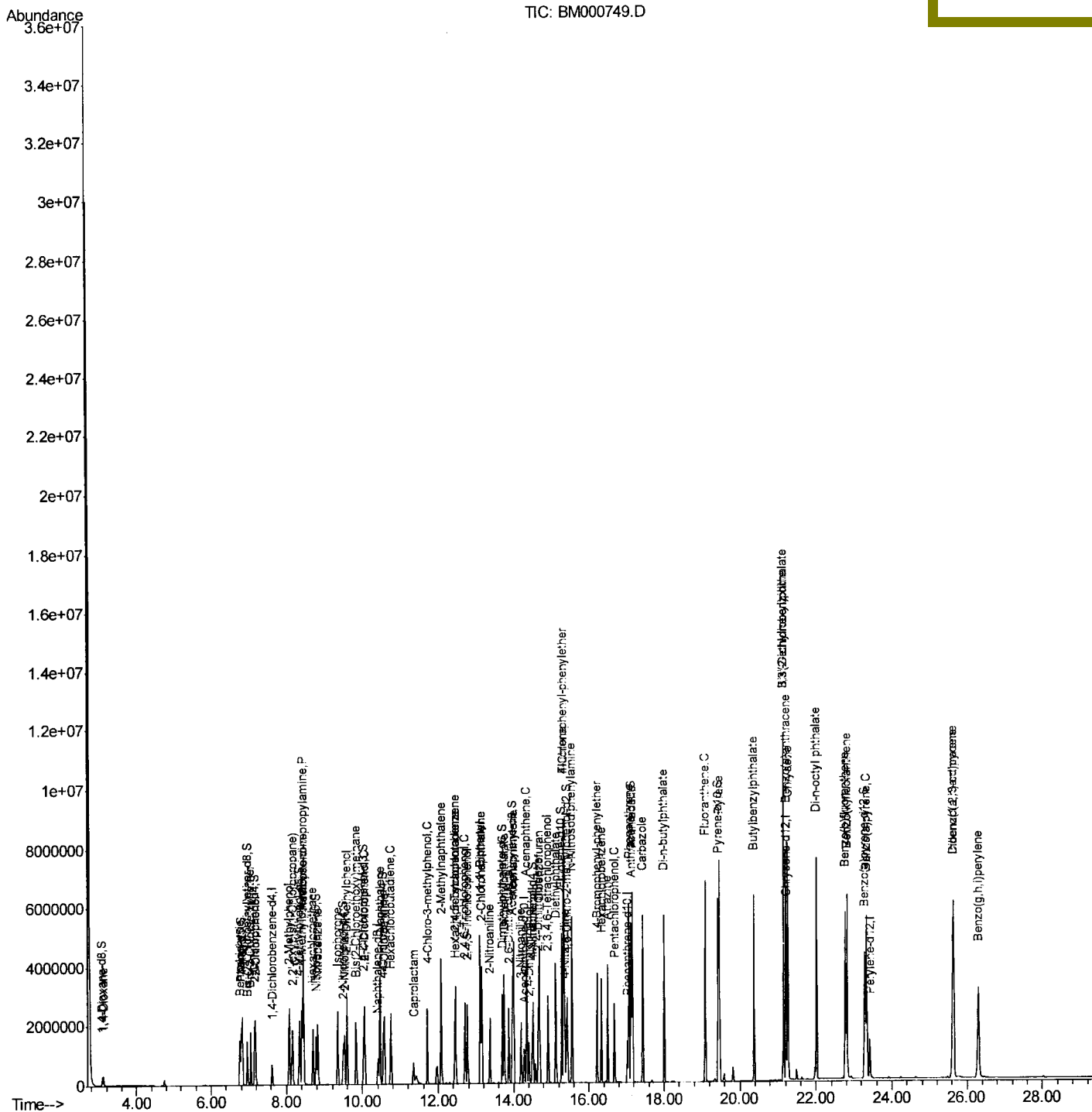
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Data Path   : Z:\HPCHEM1\BNA_M\Data\BM032115\  
Data File  : BM000749.D  
Acq On     : 20 Mar 2015   21:25  
Operator   : TP/IZ  
Sample     : SSTD08009  
Misc       :  
ALS Vial   : 11      Sample Multiplier: 1
```

Instrument :
BNA_M
ClientSampleId :
SSTD08009

Quant Time: Mar 21 02:17:29 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM032115.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 21 01:49:30 2015
Response via : Initial Calibration

Manual Integrations

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3/23/2015 5:49:20 PM



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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.46	216	936745	77.76	ng/ul	98
37) Hexachlorocyclopentadiene	12.43	237	565329	85.05	ng/ul	98
38) 2,4,6-Trichlorophenol	12.70	196	596588	93.49	ng/ul	100
39) 2,4,5-Trichlorophenol	12.77	196	654192	88.57	ng/ul	97
40) 1,1'-Biphenyl	13.10	154	2544173	77.68	ng/ul	99
41) 2-Chloronaphthalene	13.15	162	1956147	78.05	ng/ul	99
42) 2-Nitroaniline	13.36	65	599924	102.80	ng/ul	92
44) Dimethylphthalate	13.75	163	2317486	79.47	ng/ul	100
45) 2,6-Dinitrotoluene	13.87	165	501288	95.19	ng/ul	91
47) Acenaphthylene	14.00	152	3240307	79.27	ng/ul	100
48) 3-Nitroaniline	14.19	138	477528	85.87	ng/ul	98
49) Acenaphthene	14.35	153	2091583	77.62	ng/ul	98
50) 2,4-Dinitrophenol	14.40	184	288204	97.26	ng/ul	96
52) 4-Nitrophenol	14.52	109	324950	84.07	ng/ul	97
53) Dibenzofuran	14.68	168	2899690	76.13	ng/ul	100
54) 2,4-Dinitrotoluene	14.66	165	715828	89.66	ng/ul	100
55) 2,3,4,6-Tetrachlorophenol	14.91	232	536055	91.26	ng/ul	98
56) Diethylphthalate	15.12	149	2360989	83.40	ng/ul	99
58) Fluorene	15.33	166	2387997	76.33	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.33	204	1111118	75.14	ng/ul	99
60) 4-Nitroaniline	15.37	138	549221	85.51	ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.42	198	432383	88.40	ng/ul#	99
64) N-Nitrosodiphenylamine	15.54	169	2010377	81.82	ng/ul	99
65) 4-Bromophenyl-phenylether	16.22	248	645395	83.64	ng/ul	97
66) Hexachlorobenzene	16.34	284	698788	81.07	ng/ul	99
67) Atrazine	16.50	200	665311	82.59	ng/ul	97
68) Pentachlorophenol	16.68	266	424297	94.33	ng/ul	98
69) Phenanthrene	17.07	178	3637511	77.67	ng/ul	99
71) Anthracene	17.16	178	3751926	78.85	ng/ul	99
72) Carbazole	17.43	167	3403676	79.91	ng/ul	98
73) Di-n-butylphthalate	18.00	149	3997410	94.11	ng/ul	99
74) Fluoranthene	19.09	202	4070447	79.35	ng/ul	100
77) Pyrene	19.46	202	4224738	78.94	ng/ul	99
78) Butylbenzylphthalate	20.36	149	1798371	104.63	ng/ul	98
79) 3,3'-Dichlorobenzidine	21.14	252	1124760	85.92	ng/ul	98
80) Benzo(a)anthracene	21.21	228	3924803	78.45	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.14	149	2590088	100.91	ng/ul	97
82) Chrysene	21.26	228	3678268	75.88	ng/ul	98
84) Di-n-octyl phthalate	22.01	149	4449778	91.64	ng/ul	100
85) Benzo(b)fluoranthene	22.76	252	3868278	80.77	ng/ul	99
86) Benzo(k)fluoranthene	22.81	252	3635363	78.02	ng/ul	97
88) Benzo(a)pyrene	23.33	252	3681320	79.41	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.63	276	4093376	80.22	ng/ul	97
90) Dibenzo(a,h)anthracene	25.63	278	3405080	79.01	ng/ul	98
91) Benzo(g,h,i)perylene	26.30	276	3474520	79.74	ng/ul	100

(#) = 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	7.62	152	168120	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	695594	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.28	164	390812	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.03	188	815188	20.00	ng/ul	0.00
75) Chrysene-d12	21.23	240	851611	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	793917	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	107798	30.60	ng/uL	0.00
5) Phenol-d5	6.80	99	1059655	83.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	643076	84.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	860053	84.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	842019	84.75	ng/ul	0.01
19) Nitrobenzene-d5	8.77	128	402378	90.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	445748	93.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	824216	84.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	927668	81.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	2058125	82.55	ng/ul	0.00
46) Acenaphthylene-d8	13.97	160	2957491	81.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	441370	85.54	ng/ul	0.02
57) Fluorene-d10	15.27	176	1976225	75.94	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	393522	89.60	ng/ul	0.01
70) Anthracene-d10	17.13	188	2952041	79.67	ng/ul	0.00
76) Pyrene-d10	19.43	212	3093327	81.21	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.28	264	2807420	81.88	ng/ul	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.11	88	125251	30.19	ng/uL	99
4) Benzaldehyde	6.76	77	496835	70.52	ng/ul	99
6) Phenol	6.83	94	1159423	82.99	ng/ul	98
8) Bis(2-Chloroethyl)ether	7.05	93	892493	82.27	ng/ul	98
10) 2-Chlorophenol	7.19	128	922065	82.77	ng/ul	99
11) 2-Methylphenol	8.07	108	867879	83.50	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.16	45	1564850	84.03	ng/ul	99
14) Acetophenone	8.44	105	1349910	83.55	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.44	70	680452	91.18	ng/ul	98
16) 4-Methylphenol	8.40	108	937175	83.14	ng/ul	98
17) Hexachloroethane	8.69	117	362002	84.54	ng/ul	98
20) Nitrobenzene	8.82	77	1017364	85.26	ng/ul	98
21) Isophorone	9.35	82	1821787	92.11	ng/ul	100
23) 2-Nitrophenol	9.53	139	503158	90.15	ng/ul	96
24) 2,4-Dimethylphenol	9.59	107	985836	82.18	ng/ul	98
25) Bis(2-Chloroethoxy)methane	9.83	93	1156475	84.64	ng/ul	99
27) 2,4-Dichlorophenol	10.06	162	834153	83.35	ng/ul	99
28) Naphthalene	10.46	128	2894032	77.71	ng/ul	100
30) 4-Chloroaniline	10.57	127	978630	82.60	ng/ul	99
31) Hexachlorobutadiene	10.74	225	483678	77.02	ng/ul	97
32) Caprolactam	11.34	113	254828m	92.74	ng/ul	
33) 4-Chloro-3-methylphenol	11.71	107	885853	86.12	ng/ul	99
34) 2-Methylnaphthalene	12.07	142	2012734	79.14	ng/ul	98

T.P.
 06/01/2015

Quantitation Report (Qedit)

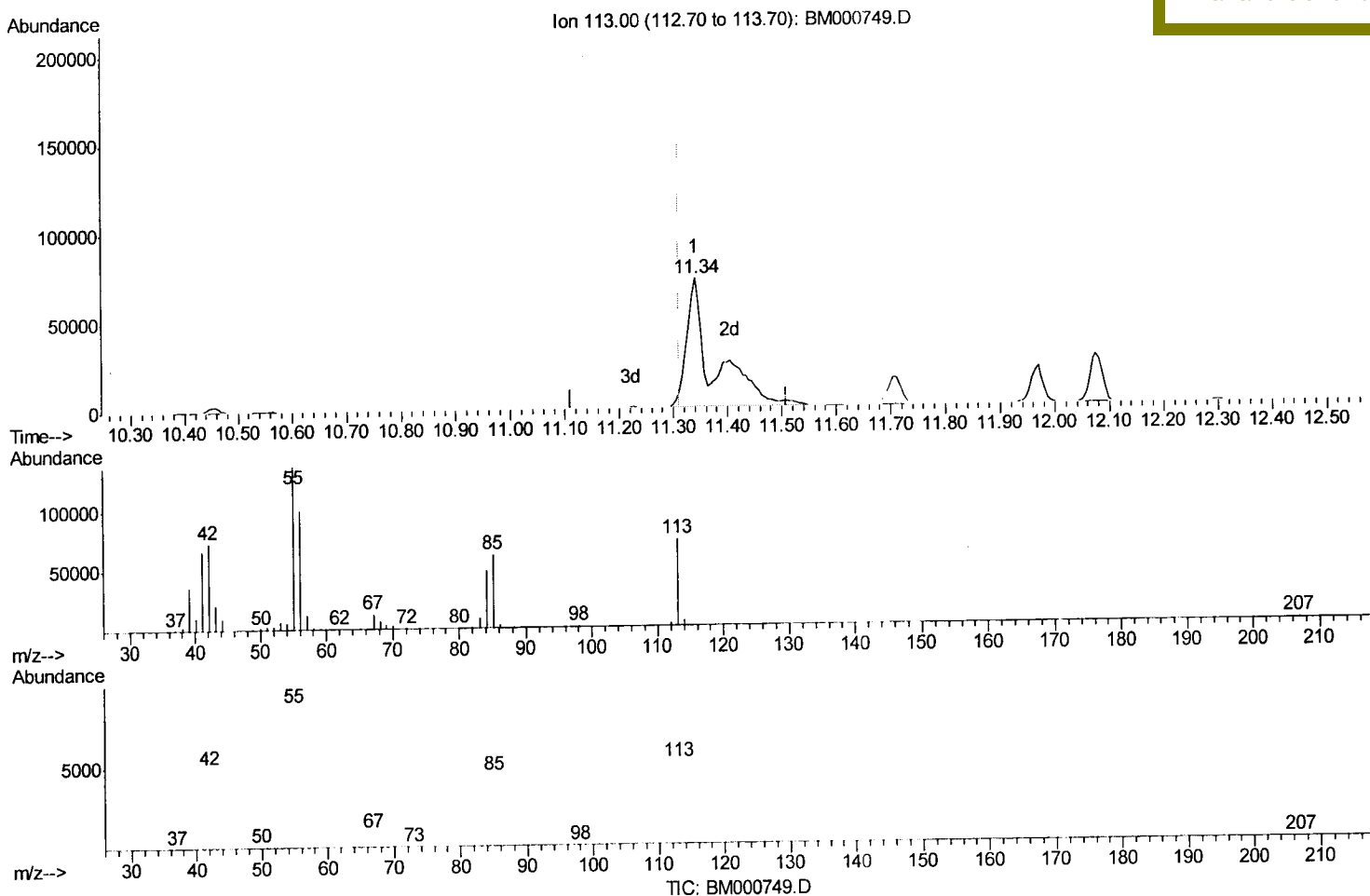
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(32) Caprolactam

11.339min (+0.029) 92.74ng/ul m

response 254828

Ion	Exp%	Act%
113.00	100	100
55.00	188.40	188.55
56.00	133.40	136.81
0.00	0.00	0.00

T.P.
04/01/2015

Quantitation Report (Qedit)

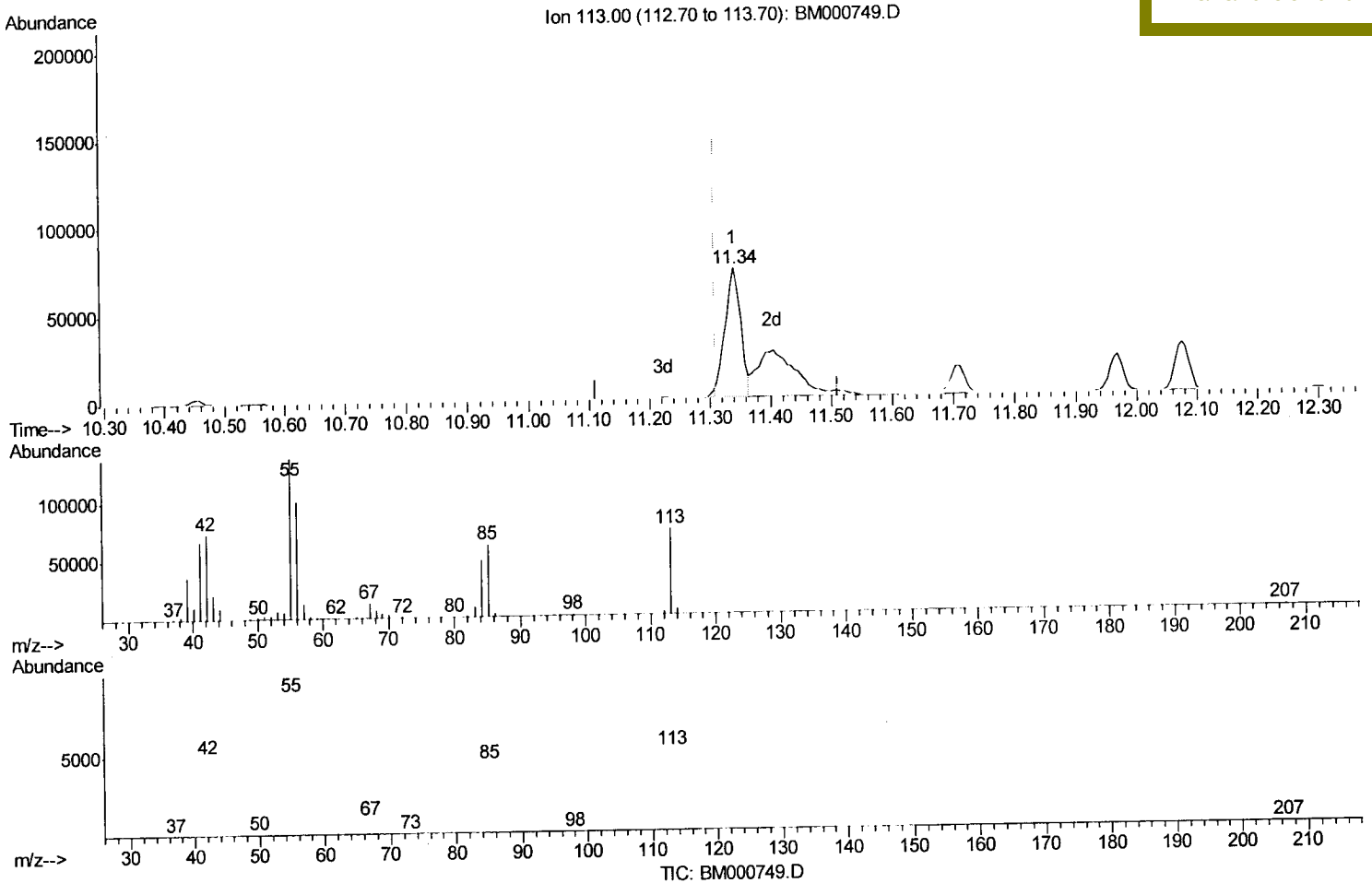
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Instrument :
 BNA_M
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 SSTD08009

Quant Time: Apr 06 16:25:21 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM032115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 23 13:57:52 2015
 Response via : Initial Calibration

Manual Integrations
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 3/23/2015 5:49:20 PM



(32) Caprolactam

11.339min (+0.029) 47.68ng/ul

response 134708

Ion	Exp%	Act%
113.00	100	100
55.00	188.40	188.55
56.00	133.40	136.81
0.00	0.00	0.00