

(QT Reviewed)

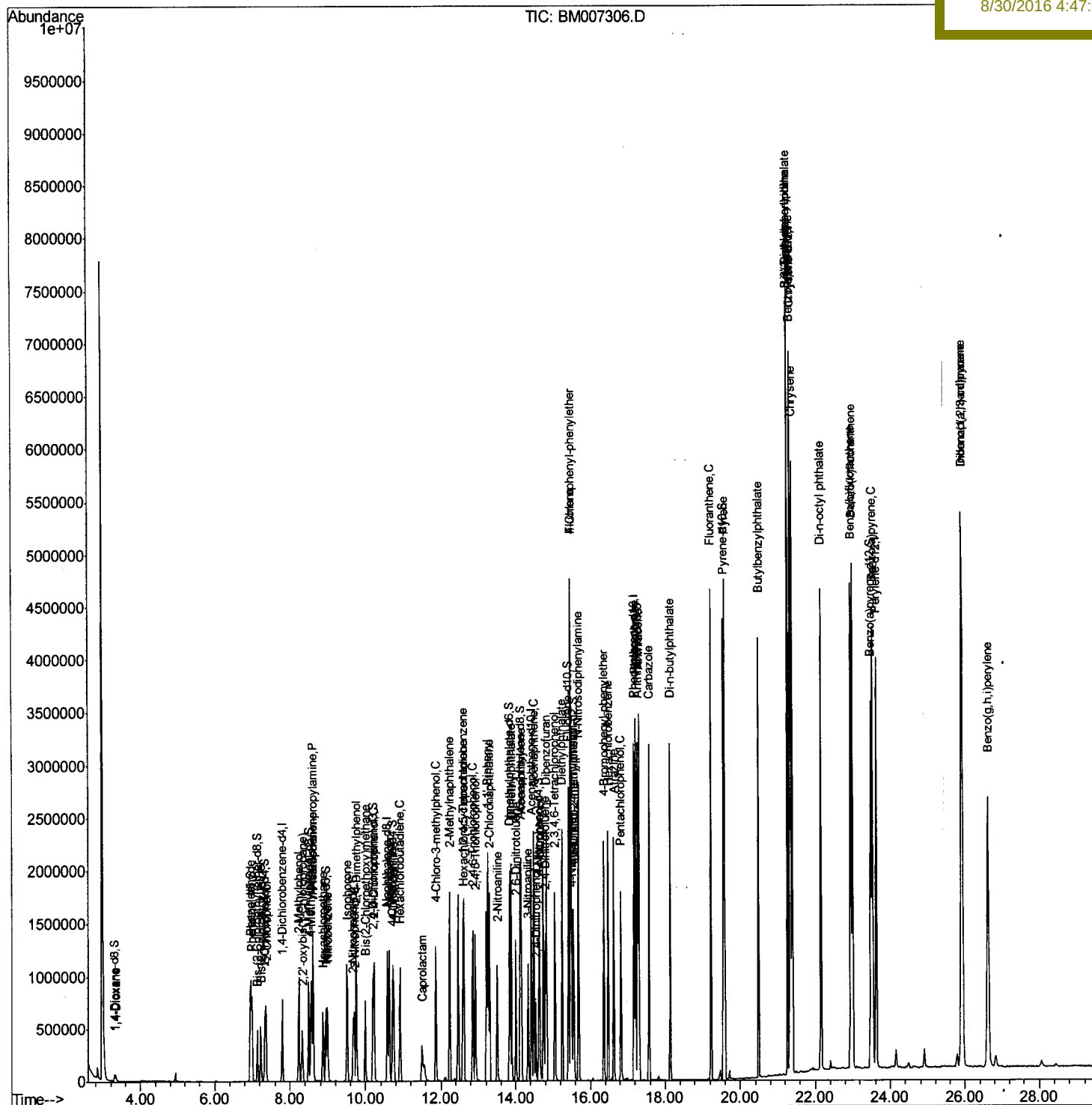
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Data Path   : Z:\HPCHEM1\BNA_M\Data\BM082916\  
Data File  : BM007306.D  
Acq On     : 29 Aug 2016   11:19  
Operator   : UM/SJ  
Sample     : SSTDCCC020  
Misc       :  
ALS Vial   : 2      Sample Multiplier: 1
```

Quant Time: Aug 30 02:08:10 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 25 10:16:08 2016
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02034

Manual Integrations APPROVED

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Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
36) 1,2,4,5-Tetrachlorobenzene	12.62	216	493783	21.74	ng/ul	96
37) Hexachlorocyclopentadiene	12.59	237	278989	20.36	ng/ul	98
38) 2,4,6-Trichlorophenol	12.86	196	333267	20.74	ng/ul	100
39) 2,4,5-Trichlorophenol	12.93	196	354255	21.15	ng/ul	99
40) 1,1'-Biphenyl	13.26	154	1129708	21.35	ng/ul	99
41) 2-Chloronaphthalene	13.30	162	870700	20.99	ng/ul	98
42) 2-Nitroaniline	13.51	65	297258	21.94	ng/ul	96
44) Dimethylphthalate	13.89	163	1254208	21.40	ng/ul	100
45) 2,6-Dinitrotoluene	14.01	165	261738	21.84	ng/ul	96
47) Acenaphthylene	14.15	152	1446165	20.60	ng/ul	99
48) 3-Nitroaniline	14.34	138	265311	21.69	ng/ul	99
49) Acenaphthene	14.49	153	943265	20.65	ng/ul	99
50) 2,4-Dinitrophenol	14.55	184	161147	19.83	ng/ul	91
52) 4-Nitrophenol	14.65	109	255256	21.60	ng/ul	86
53) Dibenzofuran	14.83	168	1409625	20.62	ng/ul	97
54) 2,4-Dinitrotoluene	14.80	165	396279	21.58	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	15.06	232	355899	20.71	ng/ul#	98
56) Diethylphthalate	15.25	149	1283022	20.98	ng/ul	98
58) Fluorene	15.47	166	1166792	20.73	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.47	204	611927	20.79	ng/ul	98
60) 4-Nitroaniline	15.50	138	289901	20.89	ng/ul	91
63) 4,6-Dinitro-2-methylphenol	15.56	198	252153	19.90	ng/ul	99
64) N-Nitrosodiphenylamine	15.69	169	1046064	19.84	ng/ul	99
65) 4-Bromophenyl-phenylether	16.37	248	431208	20.23	ng/ul	96
66) Hexachlorobenzene	16.48	284	482517	20.21	ng/ul	97
67) Atrazine	16.64	200	464225	20.86	ng/ul	99
68) Pentachlorophenol	16.82	266	298970	19.41	ng/ul	99
69) Phenanthrene	17.22	178	2059916	20.32	ng/ul	99
71) Anthracene	17.30	178	2119475	20.25	ng/ul	99
72) Carbazole	17.57	167	1905361	20.95	ng/ul	99
73) Di-n-butylphthalate	18.13	149	2281270	19.93	ng/ul	99
74) Fluoranthene	19.23	202	2778021	21.84	ng/ul	98
77) Pyrene	19.59	202	2879422	20.46	ng/ul	96
78) Butylbenzylphthalate	20.49	149	1159755	19.81	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.27	252	1123622	21.58	ng/ul	99
80) Benzo(a)anthracene	21.34	228	3194824	20.66	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.27	149	1675653	19.73	ng/ul	100
82) Chrysene	21.39	228	2851745	20.36	ng/ul	99
84) Di-n-octyl phthalate	22.15	149	3078008	21.28	ng/ul	100
85) Benzo(b)fluoranthene	22.94	252	3468257	20.20	ng/ul	99
86) Benzo(k)fluoranthene	22.99	252	3431534	21.62	ng/ul	99
88) Benzo(a)pyrene	23.53	252	3381373	20.58	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.92	276	4141840	20.54	ng/ul	100
90) Dibenzo(a,h)anthracene	25.93	278	3426973	20.43	ng/ul	99
91) Benzo(g,h,i)perylene	26.62	276	3490033	20.38	ng/ul	97

(#) = 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	7.80	152	202730	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	985261	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	682174	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1888125	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	2622749	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	2904531	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	32716	8.25	ng/uL	0.00
5) Phenol-d5	6.96	99	383795	20.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	211171	20.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	290206	20.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	331907	19.87	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	148554	20.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	170996	20.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	350608	20.85	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	451773	21.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	1260796	21.42	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1432591	21.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	226267	20.37	ng/ul	0.00
57) Fluorene-d10	15.42	176	1066642	20.95	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	236929	19.96	ng/ul	0.00
70) Anthracene-d10	17.27	188	1787527	20.27	ng/ul	0.00
76) Pyrene-d10	19.56	212	2268468	20.68	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	2745962	20.53	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.34	88	32938	7.45 ng/uL	95
4) Benzaldehyde	6.95	77	249561	22.87 ng/ul	99
6) Phenol	6.99	94	403443	20.31 ng/ul	94
8) Bis(2-Chloroethyl)ether	7.22	93	290191	20.97 ng/ul	98
10) 2-Chlorophenol	7.36	128	295346	20.38 ng/ul	98
11) 2-Methylphenol	8.23	108	308430	19.86 ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.33	45	321655	20.66 ng/ul	97
14) Acetophenone	8.62	105	523924	20.45 ng/ul	99
15) N-Nitroso-di-n-propylamine	8.60	70	275085	20.21 ng/ul	96
16) 4-Methylphenol	8.56	108	352456	20.23 ng/ul	99
17) Hexachloroethane	8.87	117	113746	20.18 ng/ul	98
20) Nitrobenzene	8.99	77	385690	20.76 ng/ul	98
21) Isophorone	9.51	82	786353	20.78 ng/ul	99
23) 2-Nitrophenol	9.70	139	188377	20.52 ng/ul	94
24) 2,4-Dimethylphenol	9.76	107	428532	21.16 ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.00	93	437965	20.53 ng/ul	98
27) 2,4-Dichlorophenol	10.23	162	352410	21.10 ng/ul	97
28) Naphthalene	10.63	128	984944	20.10 ng/ul	100
30) 4-Chloroaniline	10.75	127	459528	21.28 ng/ul	98
31) Hexachlorobutadiene	10.92	225	233241	20.67 ng/ul	97
32) Caprolactam	11.50	113	136232m	20.25 ng/ul	97
33) 4-Chloro-3-methylphenol	11.86	107	434064	20.99 ng/ul	93
34) 2-Methylnaphthalene	12.25	142	825743	20.59 ng/ul	99

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Quantitation Report (Qedit)

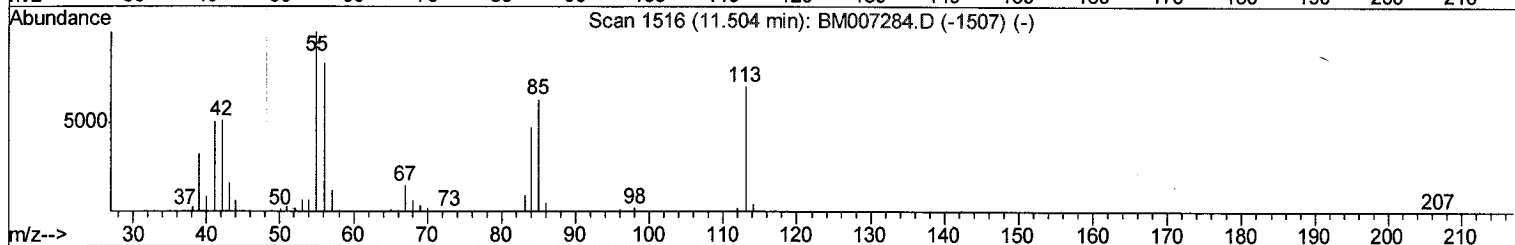
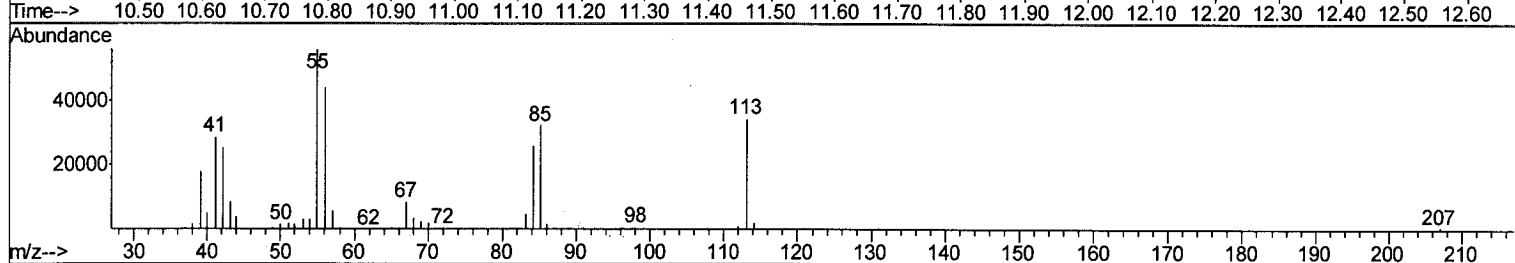
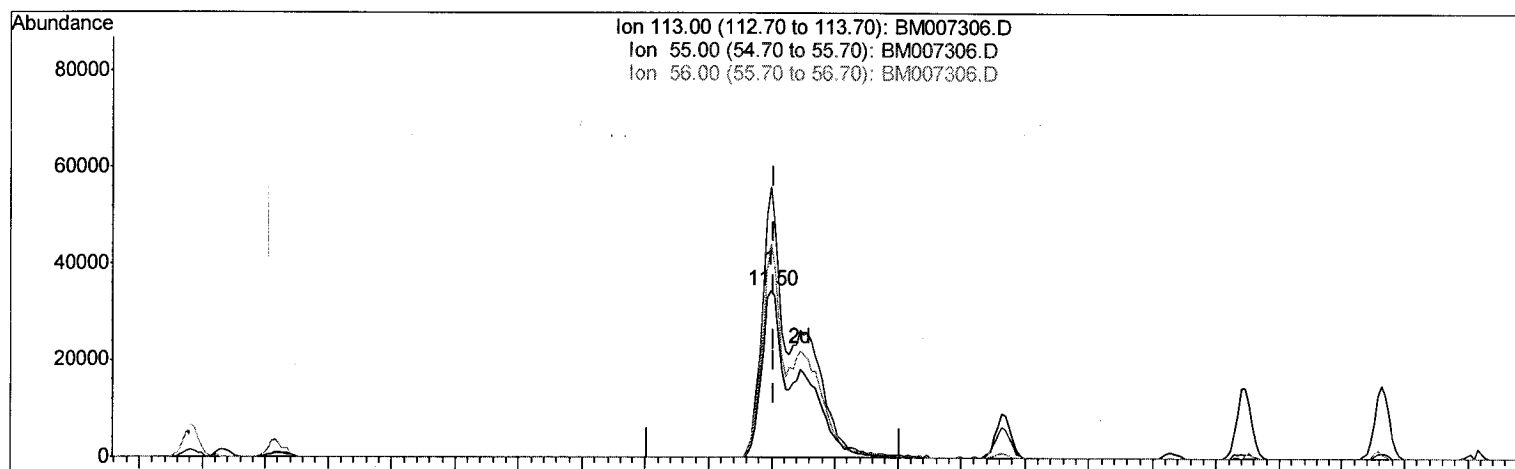
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TIC: BM007306.D

(32) Caprolactam

11.498min (-0.006) 20.25ng/ul m

response 136232

Ion	Exp%	Act%
113.00	100	100
55.00	152.40	162.73
56.00	121.70	127.95
0.00	0.00	0.00

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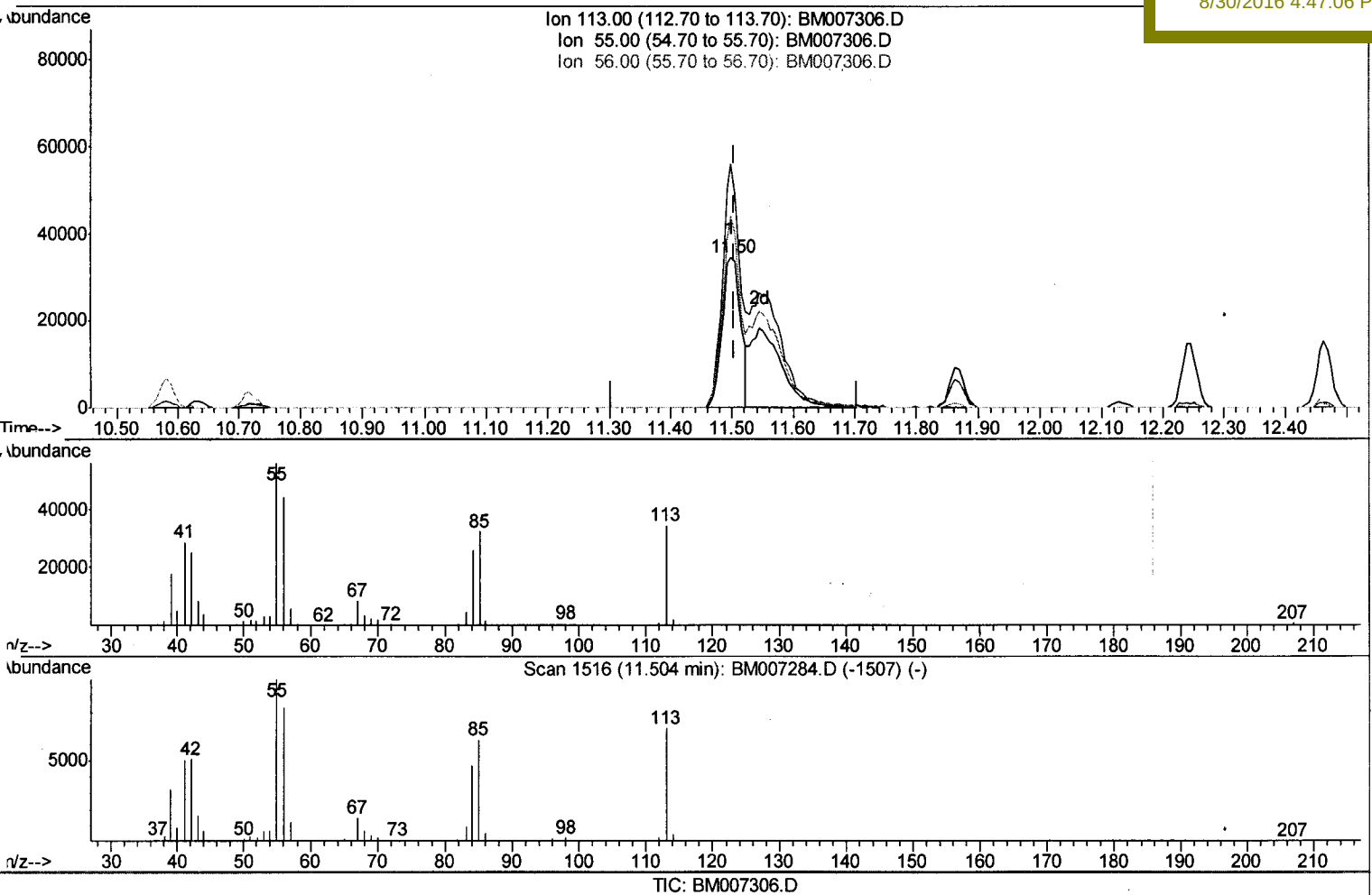
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(32) Caprolactam

11.498min (-0.006) 10.70ng/ul

response 71969

Ion	Exp%	Act%
113.00	100	100
55.00	152.40	162.73
56.00	121.70	127.95
0.00	0.00	0.00