

(QT Reviewed)

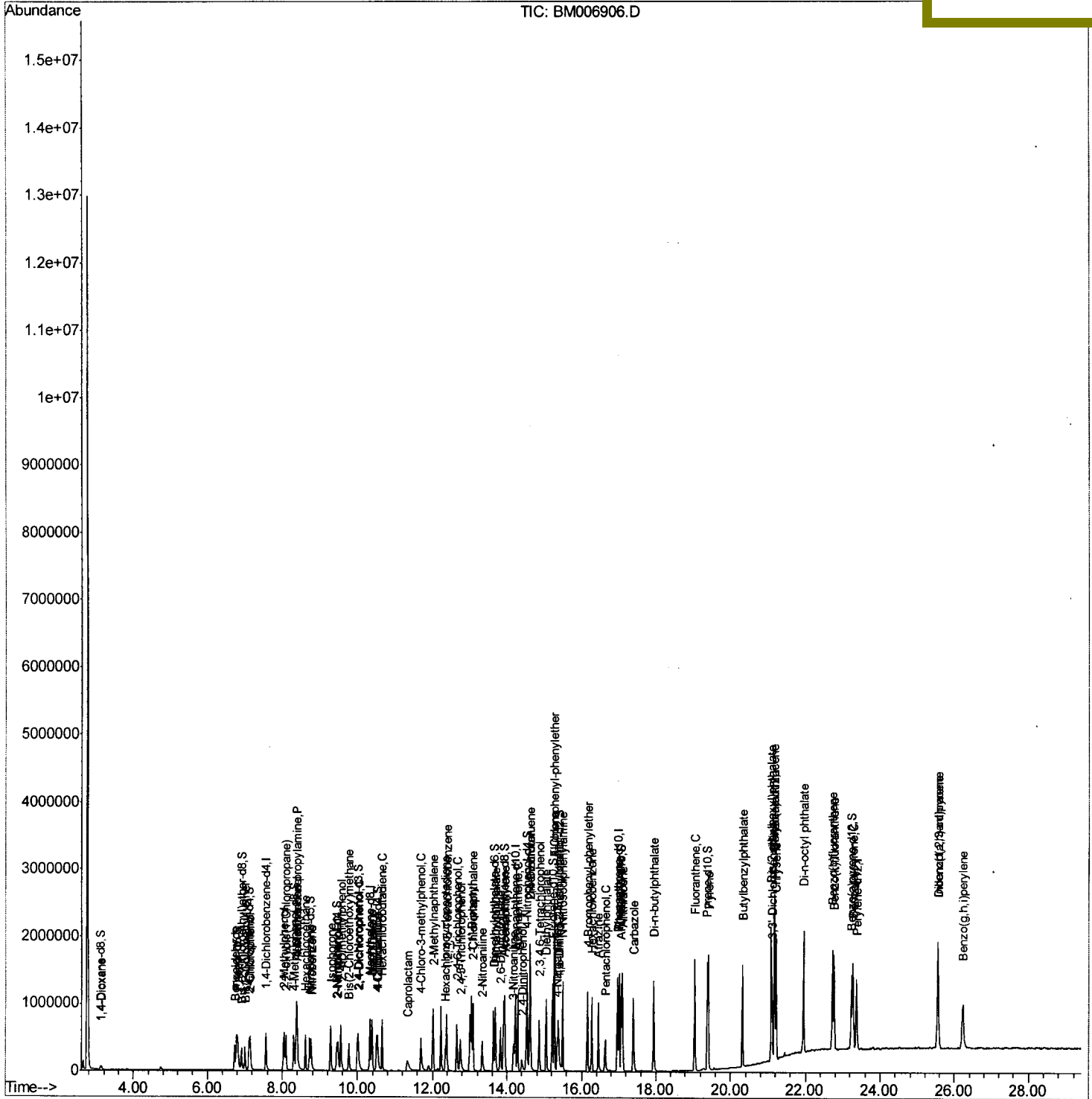
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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080516\  
Data File : BM06906.D  
Acq On : 05 Aug 2016 18:51  
Operator : UM/SJ  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1
```

Quant Time: Aug 06 01:21:48 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080316.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 06 00:33:11 2016
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02058

Manual Integrations

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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	12.38	216	239989	18.96	ng/ul	95
37) Hexachlorocyclopentadiene	12.34	237	93383	13.29	ng/ul#	98
38) 2,4,6-Trichlorophenol	12.65	196	146357	18.90	ng/ul	96
39) 2,4,5-Trichlorophenol	12.74	196	148326m	19.91	ng/ul	97
40) 1,1'-Biphenyl	13.04	154	543698	20.75	ng/ul	97
41) 2-Chloronaphthalene	13.08	162	421702	20.52	ng/ul	97
42) 2-Nitroaniline	13.33	65	153697	20.43	ng/ul#	87
44) Dimethylphthalate	13.69	163	520338	19.79	ng/ul	98
45) 2,6-Dinitrotoluene	13.82	165	102853	20.13	ng/ul	97
47) Acenaphthylene	13.93	152	679243	20.75	ng/ul	97
48) 3-Nitroaniline	14.17	138	98048	22.67	ng/ul	88
49) Acenaphthene	14.28	153	440680	20.60	ng/ul	96
50) 2,4-Dinitrophenol	14.40	184	43960m	13.92	ng/ul	93
52) 4-Nitrophenol	14.53	109	110347	14.13	ng/ul	99
53) Dibenzofuran	14.62	168	642459	19.38	ng/ul	92
54) 2,4-Dinitrotoluene	14.62	165	157764	19.44	ng/ul	93
55) 2,3,4,6-Tetrachlorophenol	14.87	232	137266	17.28	ng/ul#	97
56) Diethylphthalate	15.05	149	539932	19.75	ng/ul	99
58) Fluorene	15.27	166	534687	19.18	ng/ul	95
59) 4-Chlorophenyl-phenylether	15.27	204	280148	17.90	ng/ul	70
60) 4-Nitroaniline	15.34	138	96105	21.30	ng/ul#	86
63) 4,6-Dinitro-2-methylphenol	15.39	198	83571	16.48	ng/ul#	95
64) N-Nitrosodiphenylamine	15.49	169	445550	20.71	ng/ul	94
65) 4-Bromophenyl-phenylether	16.16	248	179227	19.44	ng/ul	94
66) Hexachlorobenzene	16.27	284	194965	19.48	ng/ul	97
67) Atrazine	16.45	200	170393	18.51	ng/ul	92
68) Pentachlorophenol	16.64	266	82005	14.83	ng/ul	99
69) Phenanthrene	17.02	178	831062	20.05	ng/ul	97
71) Anthracene	17.10	178	857185	20.03	ng/ul	97
72) Carbazole	17.40	167	717282	19.68	ng/ul	97
73) Di-n-butylphthalate	17.94	149	863101	21.85	ng/ul	98
74) Fluoranthene	19.04	202	987124	18.59	ng/ul#	94
77) Pyrene	19.41	202	1049970	19.18	ng/ul#	93
78) Butylbenzylphthalate	20.31	149	379155	20.11	ng/ul	94
79) 3,3'-Dichlorobenzidine	21.11	252	300960	19.71	ng/ul	96
80) Benzo(a)anthracene	21.17	228	1005669	19.83	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.09	149	538686	20.83	ng/ul#	98
82) Chrysene	21.22	228	895504	20.09	ng/ul	100
84) Di-n-octyl phthalate	21.95	149	927417	19.43	ng/ul#	89
85) Benzo(b)fluoranthene	22.71	252	992344	20.26	ng/ul#	99
86) Benzo(k)fluoranthene	22.76	252	933930	19.54	ng/ul#	98
88) Benzo(a)pyrene	23.27	252	929873	19.99	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.55	276	1101202	19.91	ng/ul#	95
90) Dibenzo(a,h)anthracene	25.56	278	922956	19.36	ng/ul#	96
91) Benzo(g,h,i)perylene	26.22	276	885653	19.79	ng/ul#	95

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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	7.56	152	126665	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	529610	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	321153	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	751422	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	832525	20.00	ng/ul	0.00
83) Perylene-d12	23.37	264	777056	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	21312	9.25	ng/uL	0.00
5) Phenol-d5	6.78	99	196711	21.10	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.91	67	137626	22.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	162104	22.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	155988	20.57	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	80327	22.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	87038	20.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	165057	18.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	203586	22.11	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	534407	20.20	ng/ul	0.00
46) Acenaphthylene-d8	13.90	160	646355	20.01	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	107066m	18.46	ng/ul	0.00
57) Fluorene-d10	15.22	176	463845	18.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	79136	16.14	ng/ul	0.00
70) Anthracene-d10	17.07	188	716205	19.85	ng/ul	0.00
76) Pyrene-d10	19.38	212	798588	18.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.23	264	743402	19.65	ng/ul	0.00

Target Compounds

					Qvalue	
2) 1,4-Dioxane	3.13	88	21785	8.50	ng/uL#	83
4) Benzaldehyde	6.73	77	150222m	23.97	ng/ul	
6) Phenol	6.81	94	199797	20.23	ng/ul	89
8) Bis(2-Chloroethyl) ether	7.00	93	161659	22.92	ng/ul	96
10) 2-Chlorophenol	7.14	128	163216	21.99	ng/ul	95
11) 2-Methylphenol	8.04	108	163751	21.41	ng/ul	95
12) 2,2'-oxybis(1-Chloropropan	8.09	45	317427	20.38	ng/ul	98
14) Acetophenone	8.39	105	278733	20.70	ng/ul#	86
15) N-Nitroso-di-n-propylamine	8.37	70	149213	22.39	ng/ul	90
16) 4-Methylphenol	8.37	108	167150	20.06	ng/ul	92
17) Hexachloroethane	8.61	117	81233	21.00	ng/ul	83
20) Nitrobenzene	8.76	77	239600	20.98	ng/ul#	93
21) Isophorone	9.28	82	393772	21.82	ng/ul	98
23) 2-Nitrophenol	9.47	139	95259	21.14	ng/ul	94
24) 2,4-Dimethylphenol	9.55	107	220894	19.81	ng/ul	94
25) Bis(2-Chloroethoxy) methane	9.76	93	216036	22.07	ng/ul	98
27) 2,4-Dichlorophenol	10.02	162	169509	19.99	ng/ul	89
28) Naphthalene	10.38	128	538093	20.45	ng/ul	98
30) 4-Chloroaniline	10.53	127	196081	21.10	ng/ul	97
31) Hexachlorobutadiene	10.65	225	137765	17.26	ng/ul	96
32) Caprolactam	11.32	113	46854m	19.56	ng/ul	
33) 4-Chloro-3-methylphenol	11.69	107	185918	19.74	ng/ul	99
34) 2-Methylnaphthalene	12.01	142	408854	19.28	ng/ul	99

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Quantitation Report (Qedit)

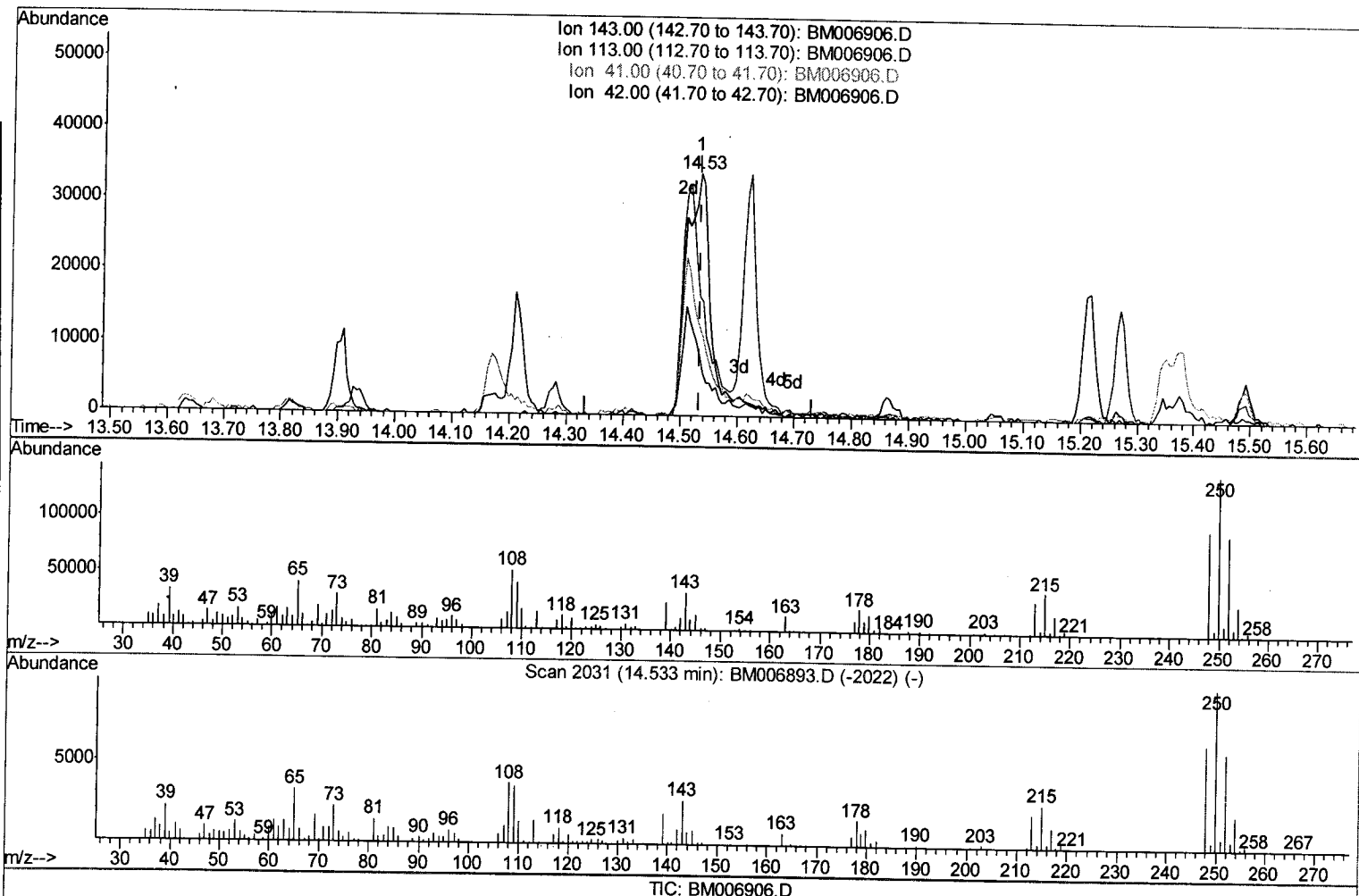
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(51) 4-Nitrophenol-d4 (S)

14.533min (-0.000) 18.46ng/ul m

response 107066

Ion Exp% Act%

143.00 100 100

113.00 87.10 48.93#

41.00 58.30 36.46#

42.00 33.50 24.02#

Quantitation Report (Qedit)

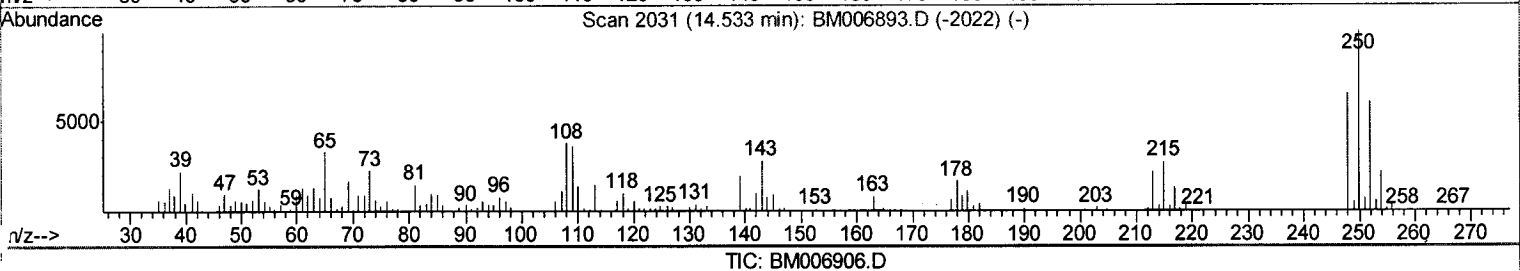
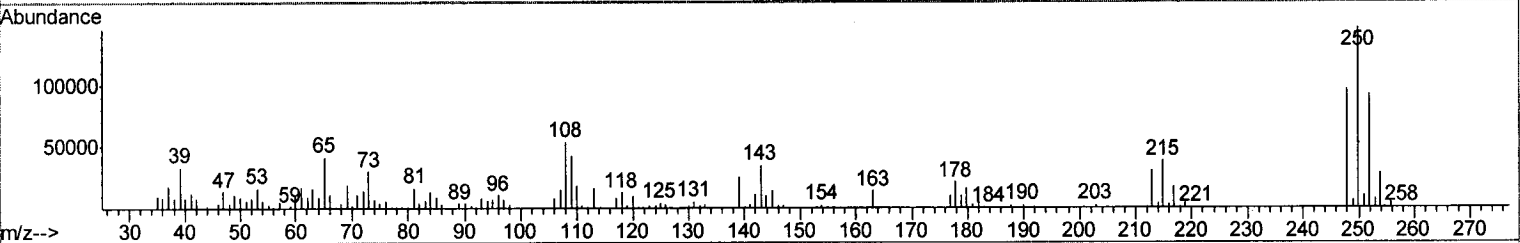
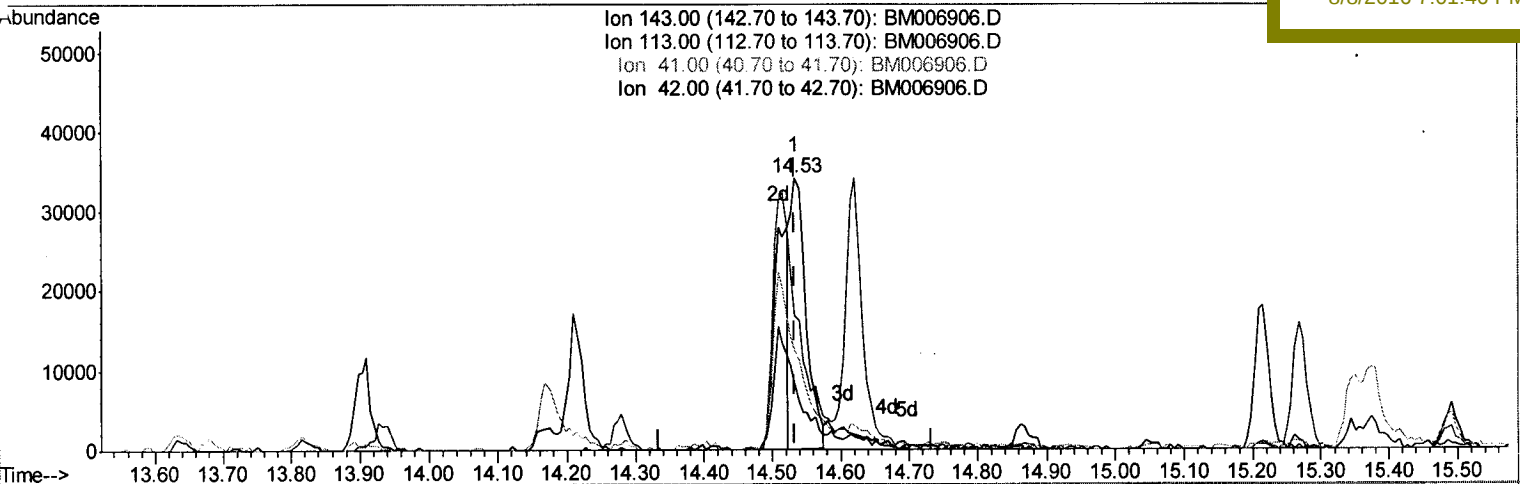
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(51) 4-Nitrophenol-d4 (S)

14.533min (-0.000) 9.59ng/ul

response 55612

Ion	Exp%	Act%
143.00	100	100
113.00	87.10	48.93#
41.00	58.30	36.46#
42.00	33.50	24.02#

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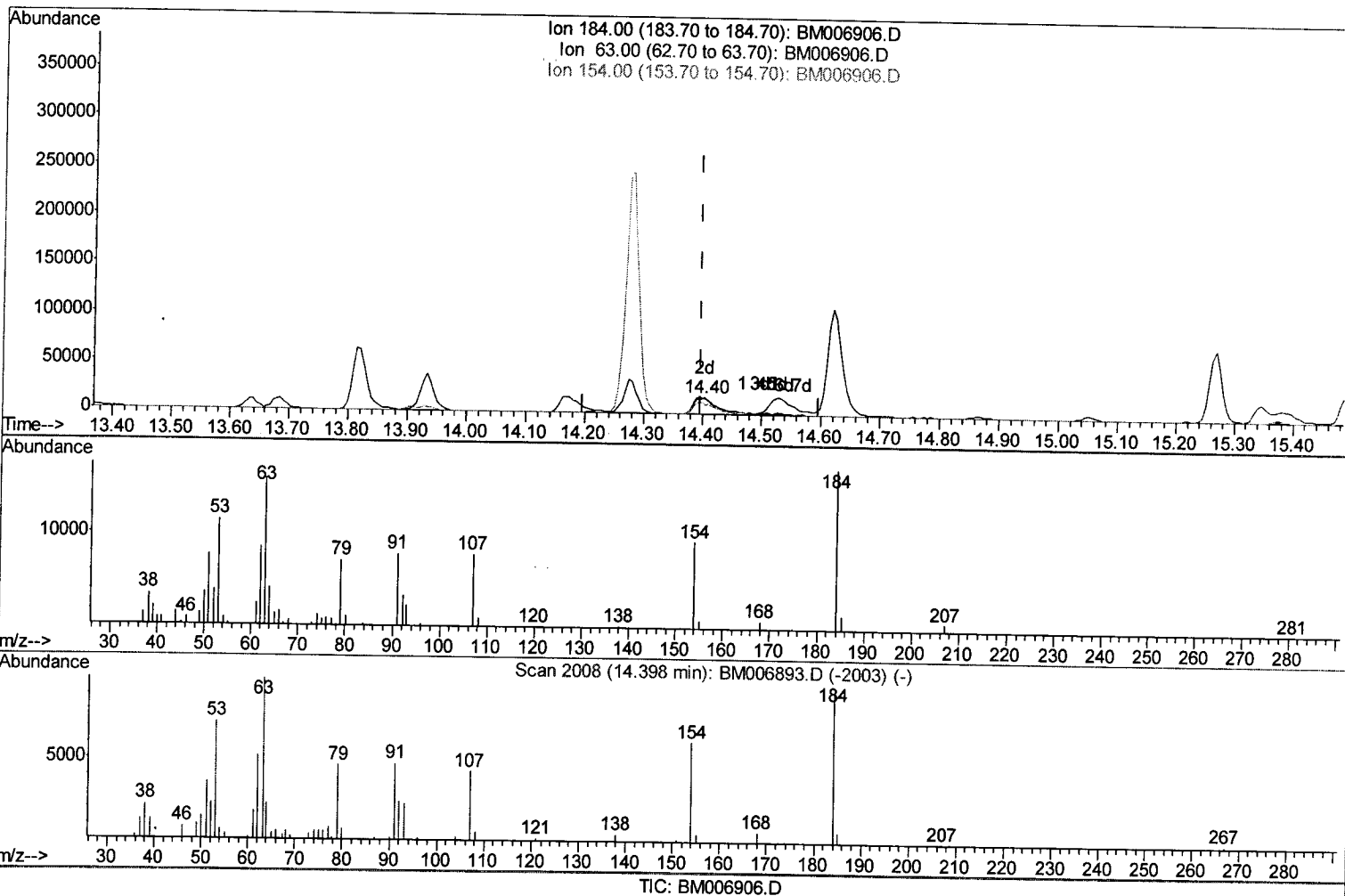
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(50) 2,4-Dinitrophenol

14.404min (+0.006) 13.92ng/ul m

response 43960

Ion	Exp%	Act%
184.00	100	100
63.00	102.80	91.01
154.00	89.30	54.75#
0.00	0.00	0.00

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Quantitation Report (Qedit)

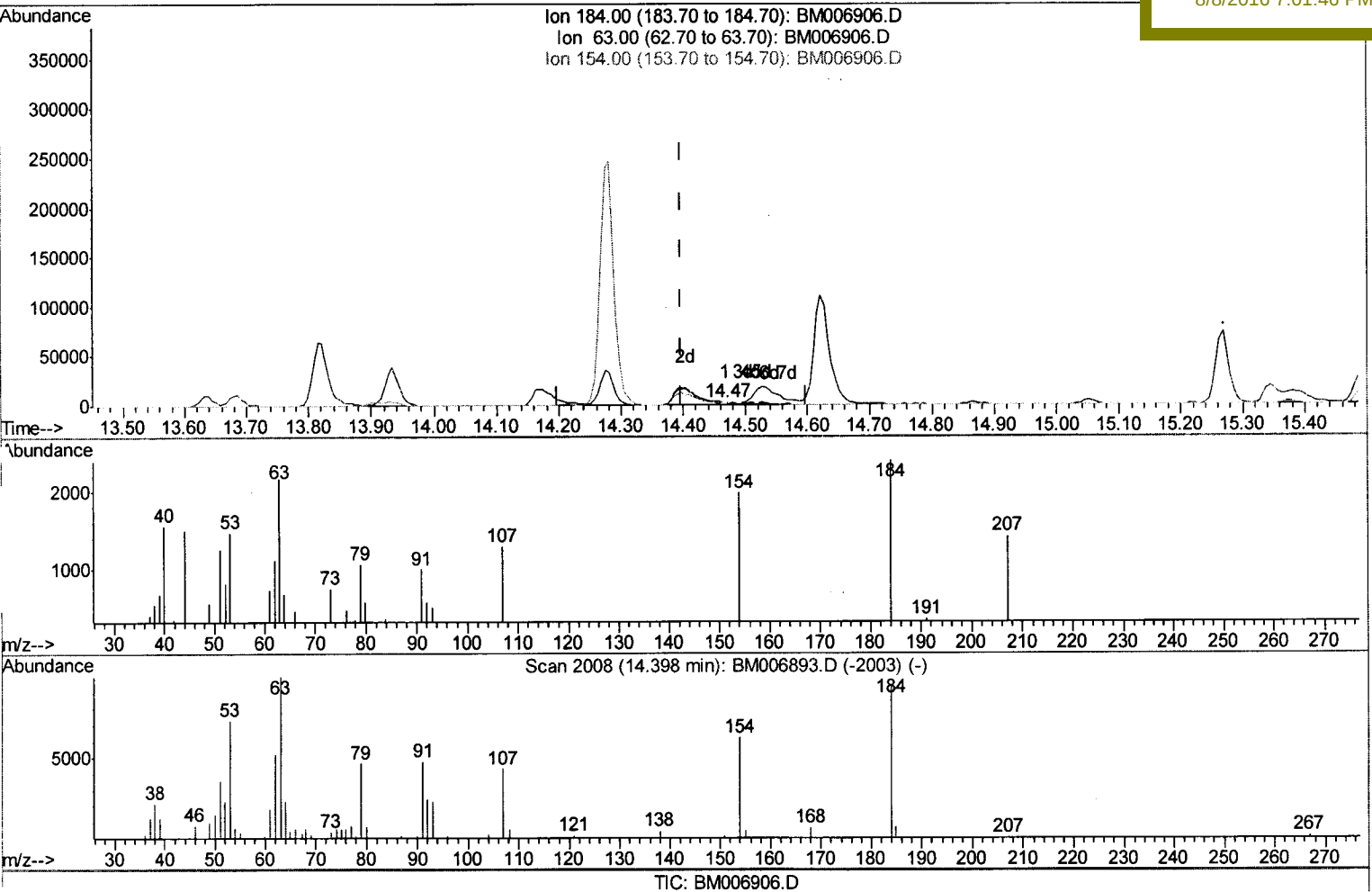
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(50) 2,4-Dinitrophenol

14.468min (+0.070) 0.87ng/ul

response 2750

Ion	Exp%	Act%
184.00	100	100
63.00	102.80	90.67
154.00	89.30	82.58
0.00	0.00	0.00

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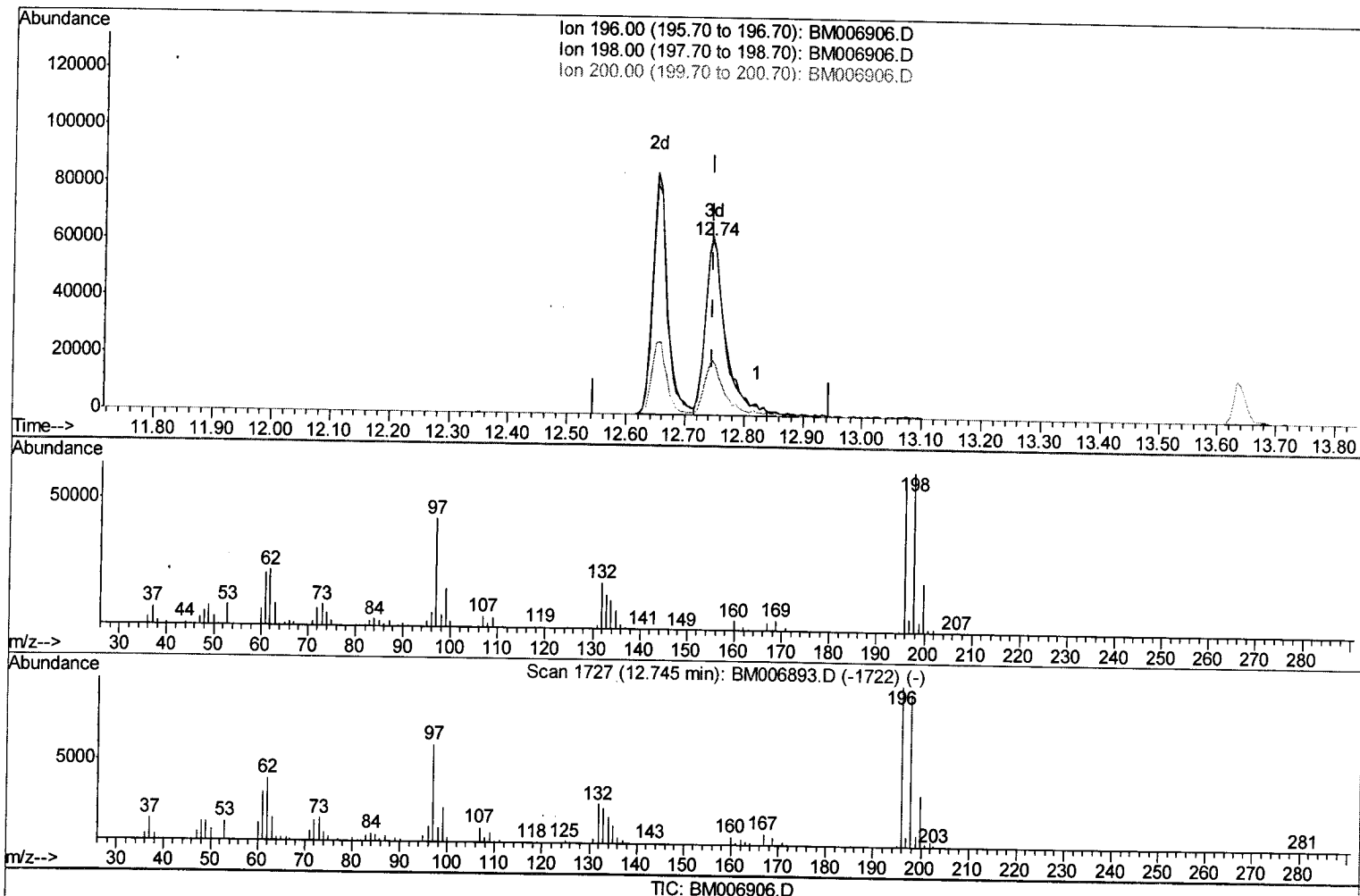
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(39) 2,4,5-Trichlorophenol

12.745min (-0.000) 19.91ng/ul m

response 148326

Ion	Exp%	Act%
196.00	100	100
198.00	83.90	102.90#
200.00	28.30	31.85
0.00	0.00	0.00

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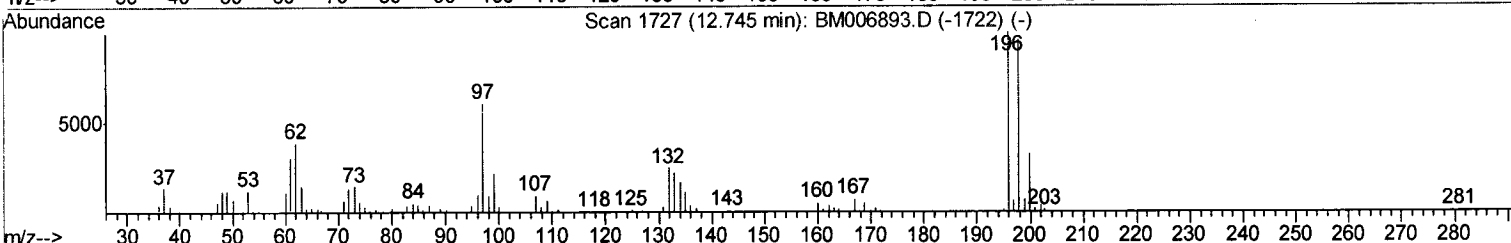
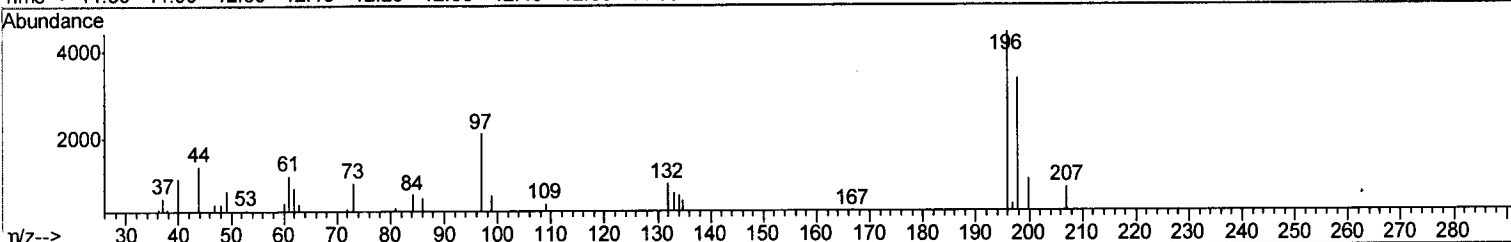
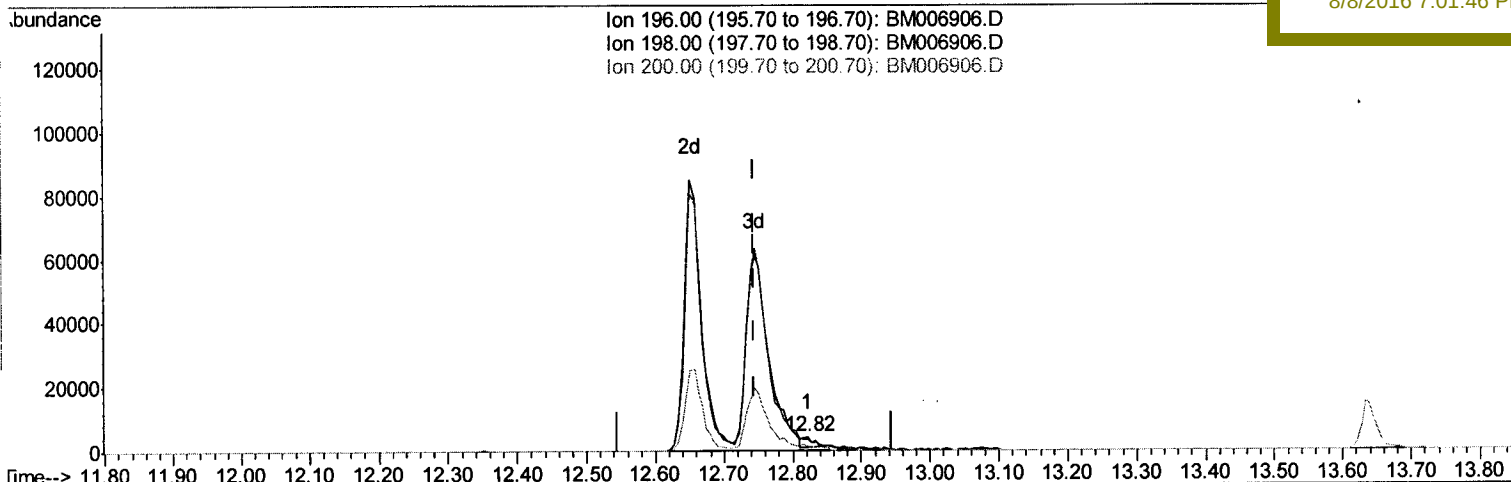
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TIC: BM006906.D

(39) 2,4,5-Trichlorophenol

12.821min (+0.076) 0.49ng/ui

response 3617

Ion	Exp%	Act%
196.00	100	100
198.00	83.90	75.70
200.00	28.30	23.17
0.00	0.00	0.00

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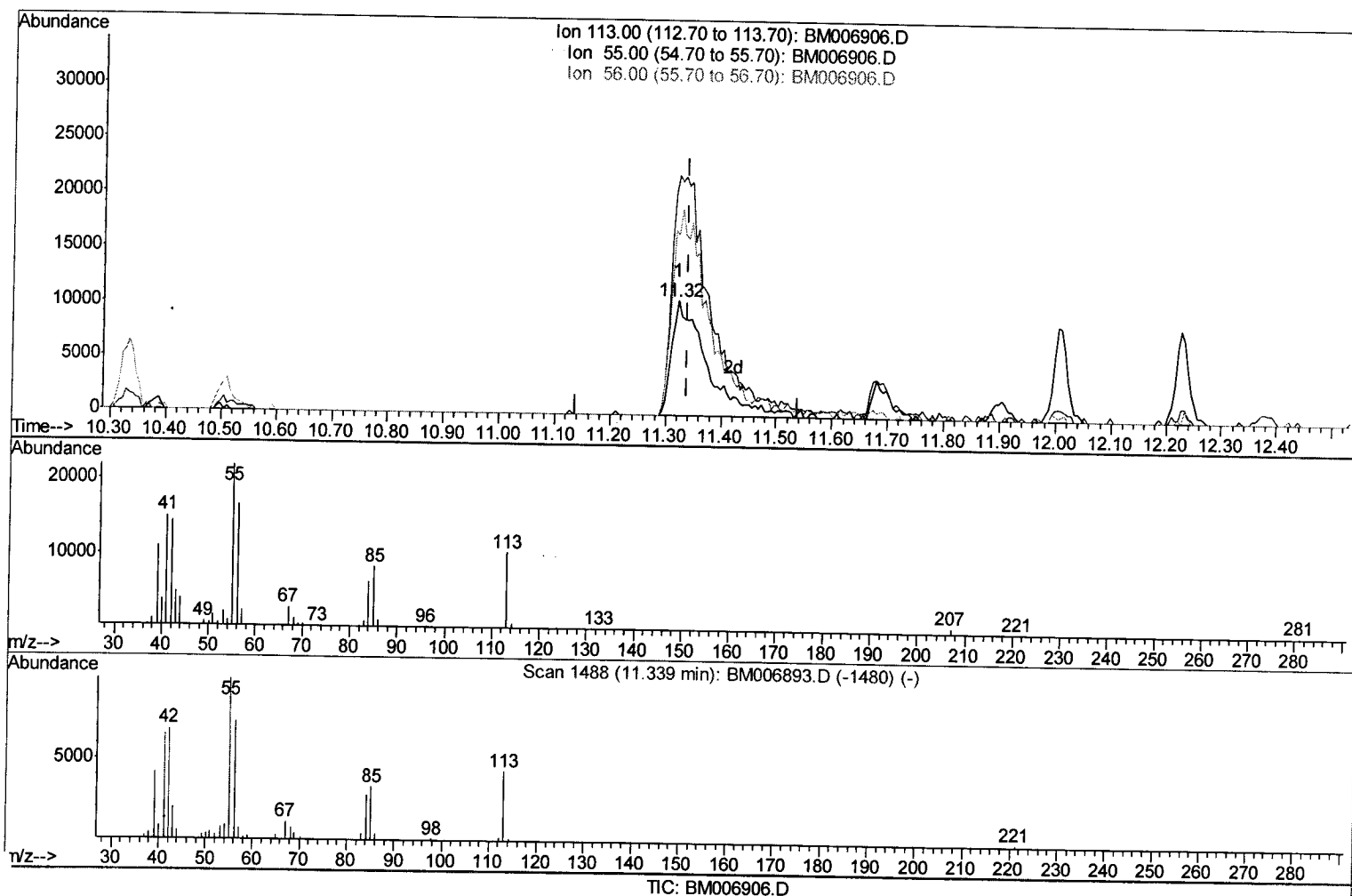
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(32) Caprolactam

11.321min (-0.018) 19.56ng/ul m

response 46854

Ion	Exp%	Act%
113.00	100	100
55.00	223.90	208.16
56.00	180.80	157.35
0.00	0.00	0.00

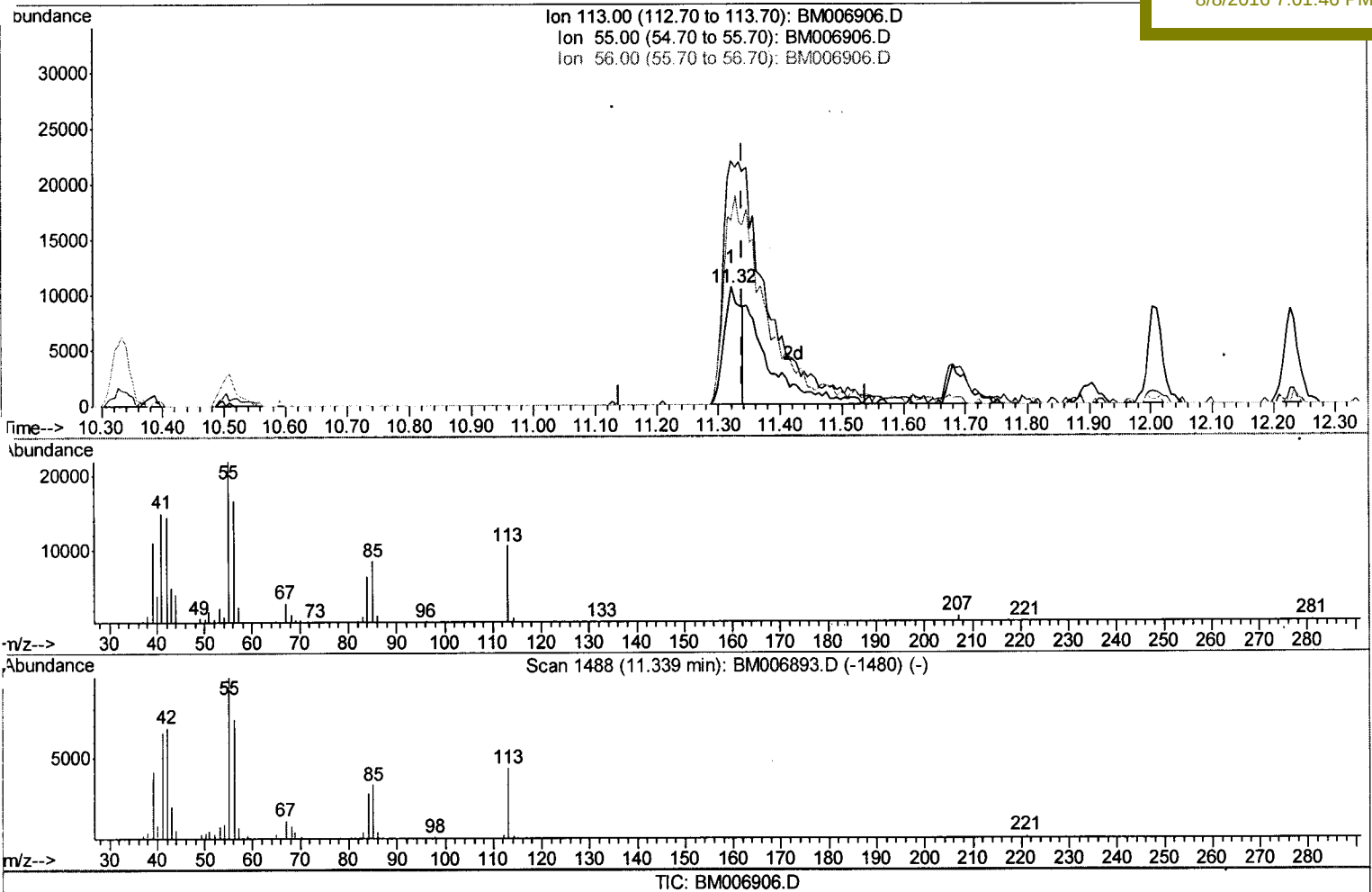
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(32) Caprolactam

11.321min (-0.018) 8.56ng/ul

response 20496

Ion	Exp%	Act%
113.00	100	100
55.00	223.90	208.16
56.00	180.80	157.35
0.00	0.00	0.00

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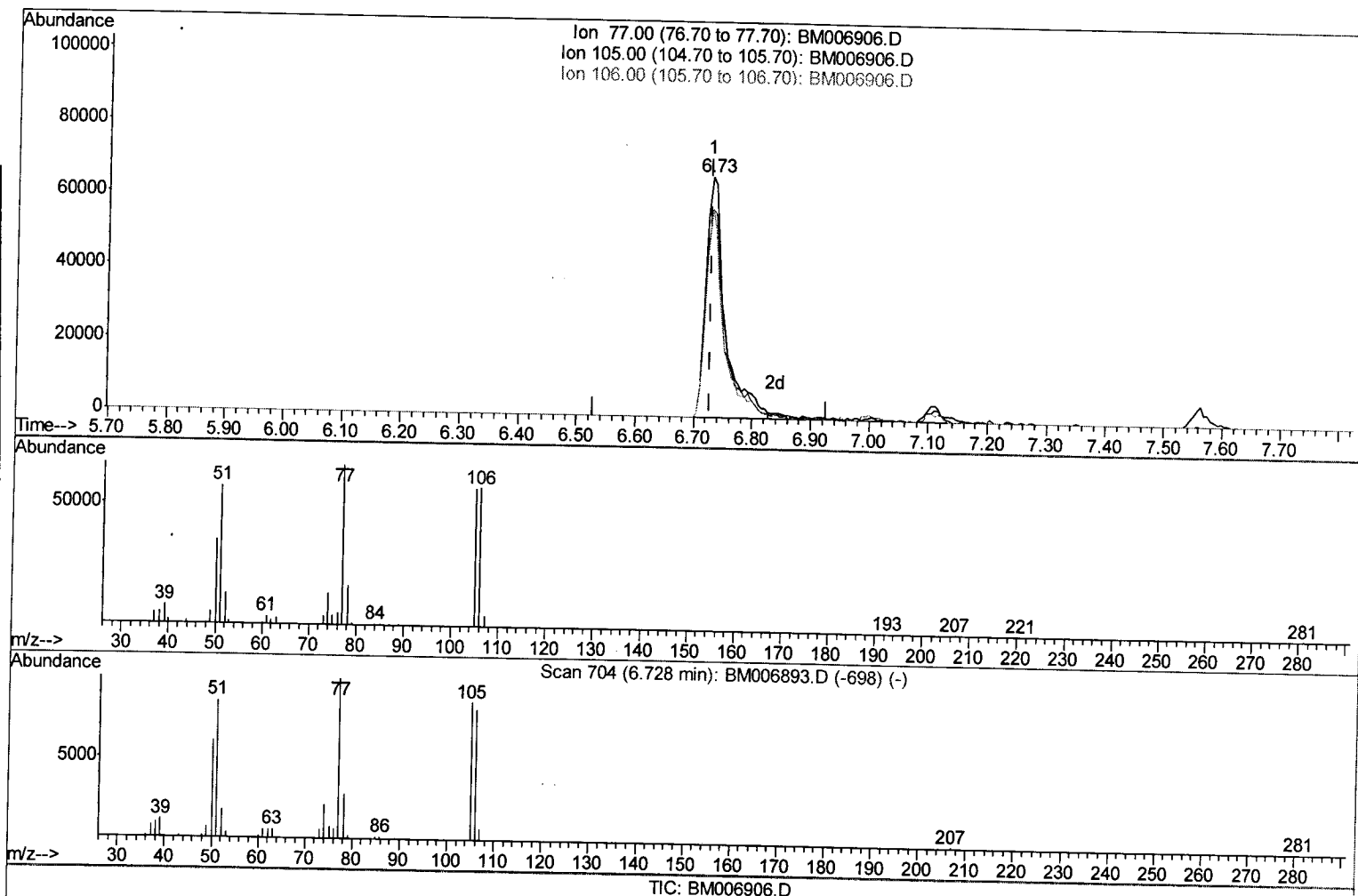
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(4) Benzaldehyde

6.728min (-0.000) 23.97ng/ul m

response 150222

Ion	Exp%	Act%
77.00	100	100
105.00	84.60	86.56
106.00	75.90	86.81
0.00	0.00	0.00

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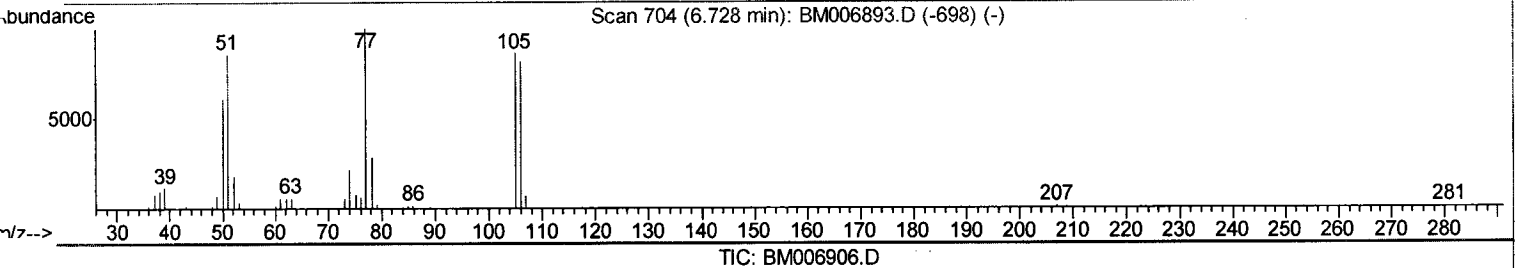
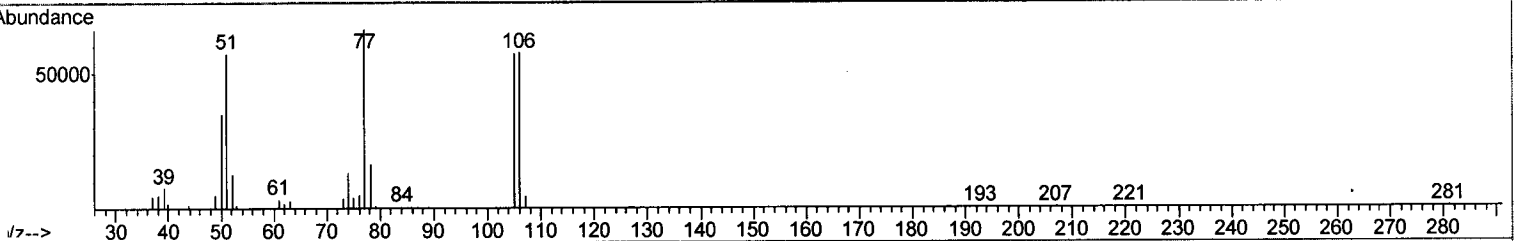
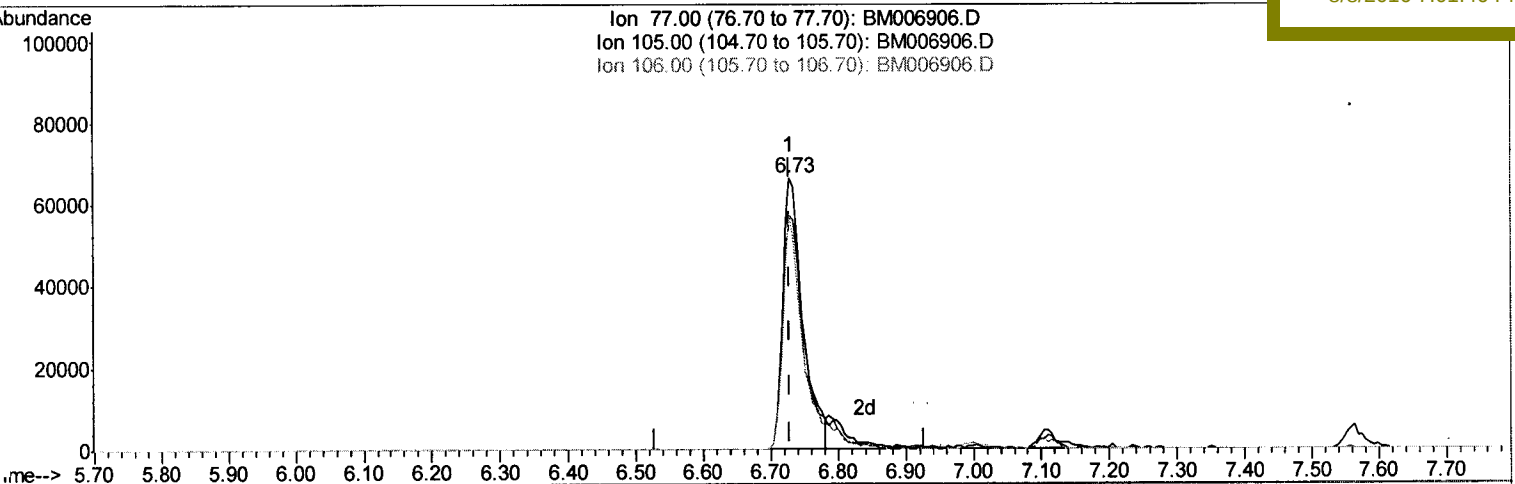
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 APPROVED

sohil
 8/8/2016 7:01:46 PM

Quant Time: Aug 06 00:35:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 06 00:33:11 2016
 Response via : Initial Calibration



(4) Benzaldehyde

6.728min (-0.000) 21.79ng/ul

response 136529

Ion	Exp%	Act%
77.00	100	100
105.00	84.60	86.56
106.00	75.90	86.81
0.00	0.00	0.00