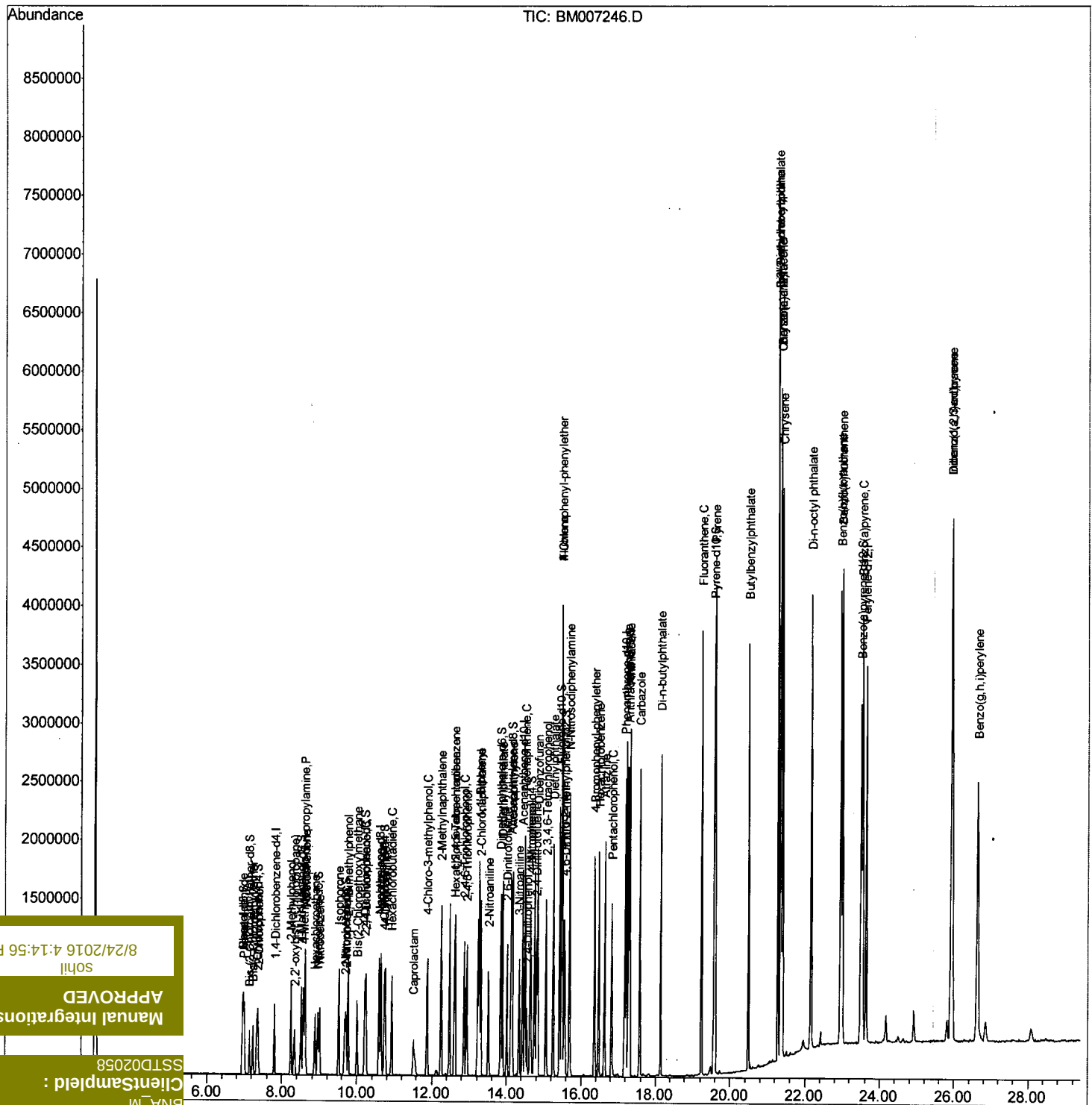


(QT Reviewed)

```
Data Path   : Z:\HPCHEM1\BNA_M\Data\BM082316\  
Data File  : BM007246.D  
Acq On     : 23 Aug 2016   11:23  
Operator   : UM/SJ  
Sample     : SSTD02058  
Misc       :  
ALS Vial   : 5      Sample Multiplier: 1
```

Quant Time: Aug 23 12:47:03 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 23 12:35:19 2016
Response via : Initial Calibration



Data Path : Z:\HPCHEM1\BNA_M\Data\BM082316\
 Data File : BM007246.D
 Acq On : 23 Aug 2016 11:23
 Operator : UM/SJ
 Sample : SST02058
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 12:47:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 23 12:35:19 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.62	216	397120	19.41	ng/ul	97
37) Hexachlorocyclopentadiene	12.60	237	231311	17.75	ng/ul	97
38) 2,4,6-Trichlorophenol	12.86	196	283115	21.57	ng/ul	99
39) 2,4,5-Trichlorophenol	12.93	196	290026	21.11	ng/ul	98
40) 1,1'-Biphenyl	13.26	154	925057	19.93	ng/ul	98
41) 2-Chloronaphthalene	13.30	162	725136	19.91	ng/ul	99
42) 2-Nitroaniline	13.52	65	239915	22.95	ng/ul	98
44) Dimethylphthalate	13.89	163	1036553	21.69	ng/ul	100
45) 2,6-Dinitrotoluene	14.01	165	213960	23.04	ng/ul	95
47) Acenaphthylene	14.16	152	1234675	20.88	ng/ul	99
48) 3-Nitroaniline	14.34	138	227599	24.78	ng/ul	99
49) Acenaphthene	14.50	153	799983	20.84	ng/ul	98
50) 2,4-Dinitrophenol	14.54	184	130667	23.73	ng/ul	87
52) 4-Nitrophenol	14.65	109	207808	23.86	ng/ul	90
53) Dibenzofuran	14.83	168	1195039	20.98	ng/ul	98
54) 2,4-Dinitrotoluene	14.80	165	324477	23.68	ng/ul	98
55) 2,3,4,6-Tetrachlorophenol	15.06	232	303890	22.88	ng/ul#	97
56) Diethylphthalate	15.26	149	1077682	21.38	ng/ul	98
58) Fluorene	15.48	166	987305	21.49	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.48	204	515010	21.23	ng/ul	99
60) 4-Nitroaniline	15.50	138	254559	23.64	ng/ul	94
63) 4,6-Dinitro-2-methylphenol	15.56	198	209272	22.61	ng/ul	98
64) N-Nitrosodiphenylamine	15.69	169	901944	20.70	ng/ul	99
65) 4-Bromophenyl-phenylether	16.37	248	363184	20.83	ng/ul	97
66) Hexachlorobenzene	16.49	284	402280	20.39	ng/ul	99
67) Atrazine	16.64	200	396245	22.56	ng/ul	98
68) Pentachlorophenol	16.83	266	256221	21.11	ng/ul	99
69) Phenanthrene	17.22	178	1721448	20.79	ng/ul	100
71) Anthracene	17.31	178	1785135	21.01	ng/ul	99
72) Carbazole	17.58	167	1619404	22.12	ng/ul	100
73) Di-n-butylphthalate	18.14	149	1959565	21.90	ng/ul	99
74) Fluoranthene	19.23	202	2292707	22.83	ng/ul	100
77) Pyrene	19.60	202	2419764	20.15	ng/ul	98
78) Butylbenzylphthalate	20.50	149	999067	21.40	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.28	252	988403	23.56	ng/ul	99
80) Benzo(a)anthracene	21.34	228	2640217	20.57	ng/ul	100
81) Bis(2-ethylhexyl)phthalate	21.27	149	1463767	21.19	ng/ul	100
82) Chrysene	21.40	228	2417348	20.61	ng/ul	99
84) Di-n-octyl phthalate	22.16	149	2691273	21.50	ng/ul	99
85) Benzo(b)fluoranthene	22.95	252	3050841	20.87	ng/ul	99
86) Benzo(k)fluoranthene	22.99	252	2732512	19.91	ng/ul	100
rene	23.54	252	2867926	20.70	ng/ul	99
,3-cd)pyrene	25.93	276	3511140	20.67	ng/ul	100
h)anthracene	25.94	278	2931594	20.57	ng/ul	99
i)perylene	26.63	276	2973847	20.72	ng/ul	98

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

Manual Integrations
 APPROVED

SST02058

Client Sampled:

BNA_M

Instrument:

16.M Tue Aug 23 12:49:53 2016

Data Path : Z:\HPCHEM1\BNA_M\Data\BM082316\
 Data File : BM007246.D
 Acq On : 23 Aug 2016 11:23
 Operator : UM/SJ
 Sample : SSTD02058
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 12:47:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 23 12:35:19 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	160190	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	797088	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	578621	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	1539534	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	2171963	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	2426450	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	24674	6.73	ng/uL	0.00
5) Phenol-d5	6.97	99	299618	23.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	164586	22.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	222558	21.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	264090	24.73	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	119151	20.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	138720	22.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.21	165	279083	21.54	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	363963	23.61	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	1024522	21.43	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1192011	20.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	196543	22.94	ng/ul	0.00
57) Fluorene-d10	15.43	176	896468	21.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	195848	23.02	ng/ul	0.00
70) Anthracene-d10	17.27	188	1500173	21.03	ng/ul	0.00
76) Pyrene-d10	19.57	212	1870819	20.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	2295070	20.68	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.35	88	27331	7.17 ng/uL	98
4) Benzaldehyde	6.95	77	196090	25.14 ng/ul	96
6) Phenol	7.00	94	314126	22.98 ng/ul	97
8) Bis(2-Chloroethyl)ether	7.23	93	225055	22.31 ng/ul	96
10) 2-Chlorophenol	7.37	128	234350	22.17 ng/ul	99
11) 2-Methylphenol	8.24	108	244655	23.80 ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.33	45	255828	22.14 ng/ul	99
14) Acetophenone	8.62	105	418661	25.46 ng/ul	95
15) N-Nitroso-di-n-propylamine	8.60	70	223246	26.09 ng/ul	97
16) 4-Methylphenol	8.57	108	278149	24.80 ng/ul	100
17) Hexachloroethane	8.87	117	90240	20.45 ng/ul	98
20) Nitrobenzene	9.00	77	308221	20.69 ng/ul	100
21) Isophorone	9.52	82	635809	22.78 ng/ul	99
23) 2-Nitrophenol	9.70	139	155216	22.94 ng/ul	96
24) 2,4-Dichlorophenol	9.76	107	337661	21.78 ng/ul	99
25) 2,6-Dichlorophenol	9.76	107	337661	21.78 ng/ul	99
26) 2,4-Dichlorophenol	9.76	107	337661	21.78 ng/ul	99
27) 2,6-Dichlorophenol	9.76	107	337661	21.78 ng/ul	99
28) 2,4,6-Trichlorophenol	9.76	107	337661	21.78 ng/ul	99
29) 4-Chlorophenol	10.00	93	356960	21.30 ng/ul	97
30) 2-Chlorophenol	10.23	162	280071	21.70 ng/ul	99
31) 4-Nitrophenol	10.64	128	819912	20.77 ng/ul	100
32) Caprolactam	10.75	127	379755	24.02 ng/ul	99
33) 2-Methylphenol	10.92	225	187841	19.69 ng/ul	94
34) 4-Methylphenol	11.50	113	116220m	26.58 ng/ul	99
35) 2-Nitrophenol	11.87	107	351282	24.91 ng/ul	97
36) Naphthalene	12.25	142	669812	22.01 ng/ul	99

8/24/2016 4:14:56 PM
 sohil

APPROVED
 Manual Integrations

Client Sample : SSTD02058
 BNA_M
 Instrument :

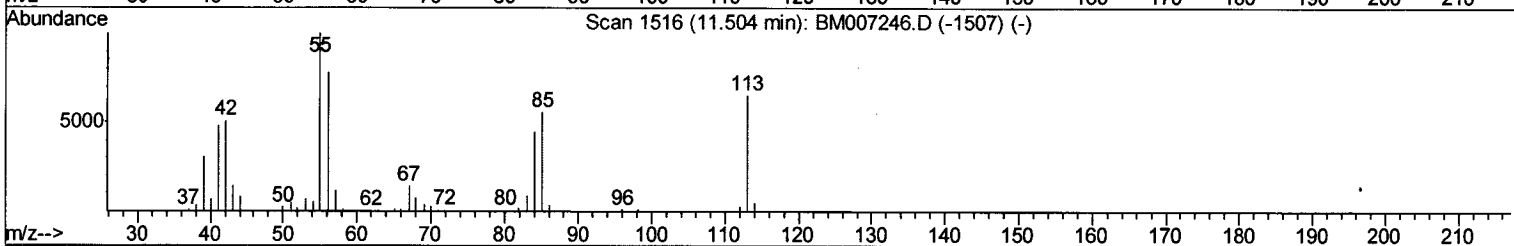
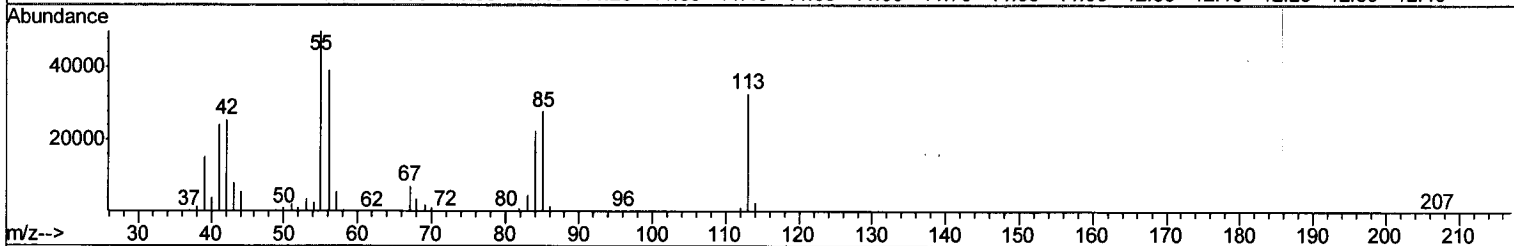
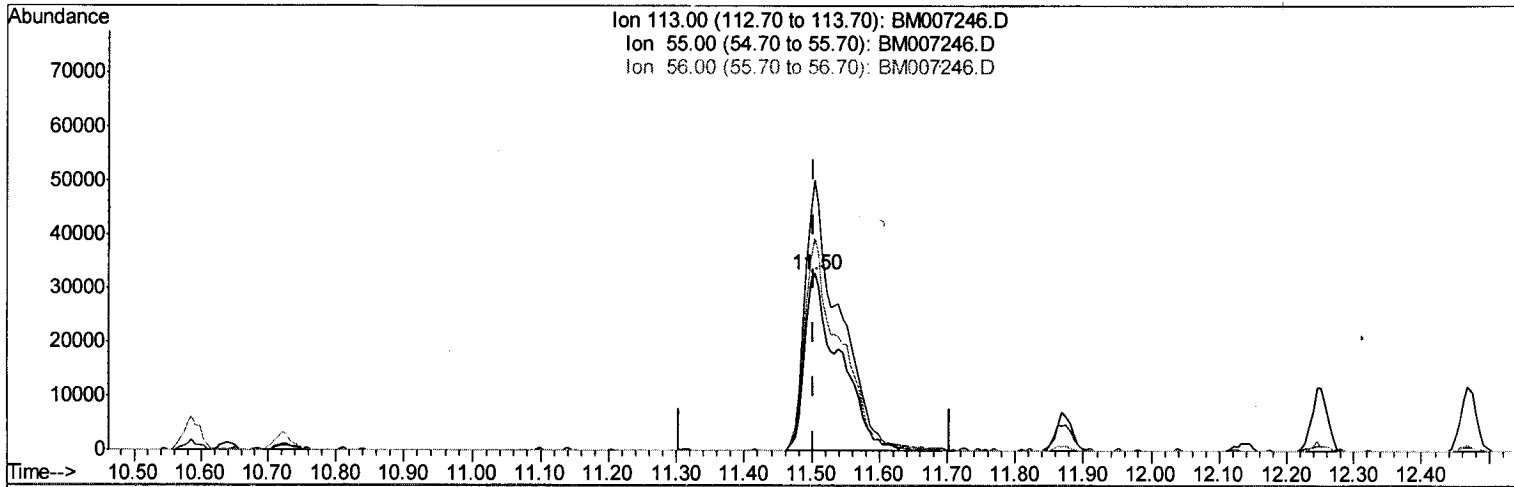
16.M Tue Aug 23 12:49:53 2016

U.M
 8/24/16

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM082316\
 Data File : BM007246.D
 Acq On : 23 Aug 2016 11:23
 Operator : UM/SJ
 Sample : SSTD02058
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 12:35:55 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 23 12:35:19 2016
 Response via : Initial Calibration



TIC: BM007246.D

(32) Caprolactam

11.504min (0.000) 26.58ng/ui m

response 116220

Ion Exp% Act%

113.00 100 100

8/24/2016 4:14:56 PM 152.97

119.98

Manual Integrations 0.00

SSTD02058

ClientSampled :

BNA_M

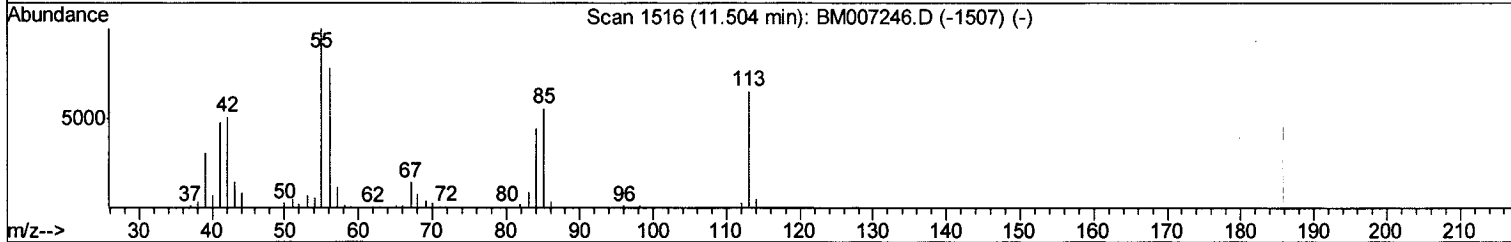
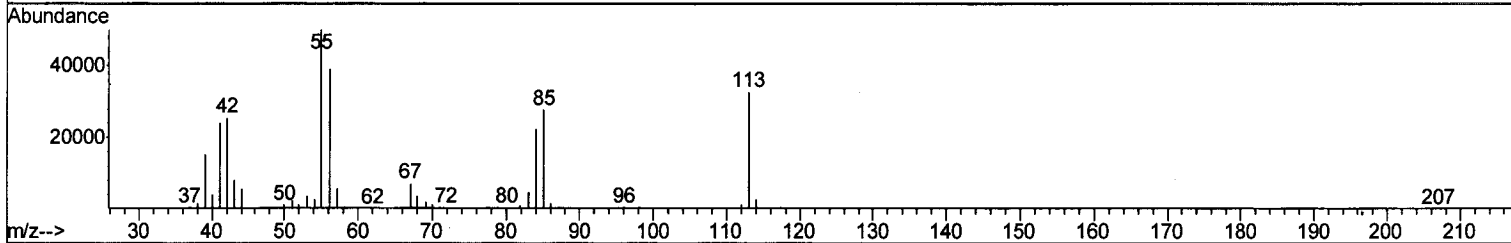
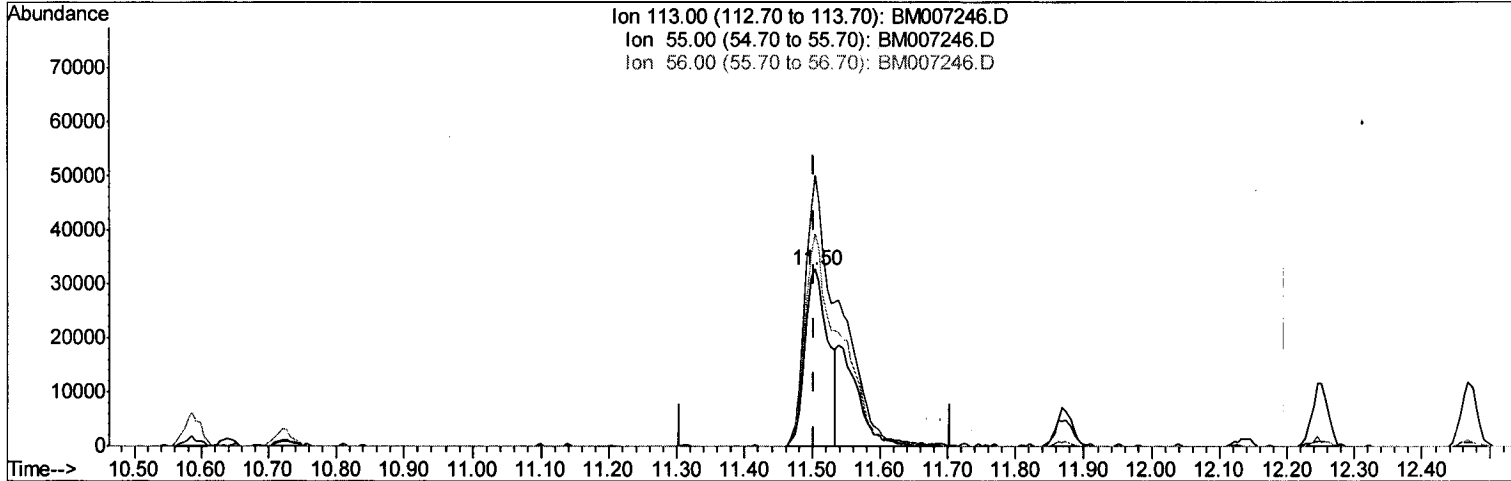
Instrument :

316.M Tue Aug 23 12:47:13 2016

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM082316\
 Data File : BM007246.D
 Acq On : 23 Aug 2016 11:23
 Operator : UM/SJ
 Sample : SSTD02058
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 12:35:55 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 23 12:35:19 2016
 Response via : Initial Calibration



TIC: BM007246.D

(32) Caprolactam

11.504min (0.000) 17.73ng/ul

response 77511

Ion	Exp%	Act%
113.00	100	100
152.97		152.97
119.98		119.98
0.00		0.00

SSTD02058

ClientSampled :

BNA_M

Instrument :

8/24/2016 4:14:56 PM

sohil

APPROVED

Manual Integrations

BM007246.D Tue Aug 23 12:36:35 2016