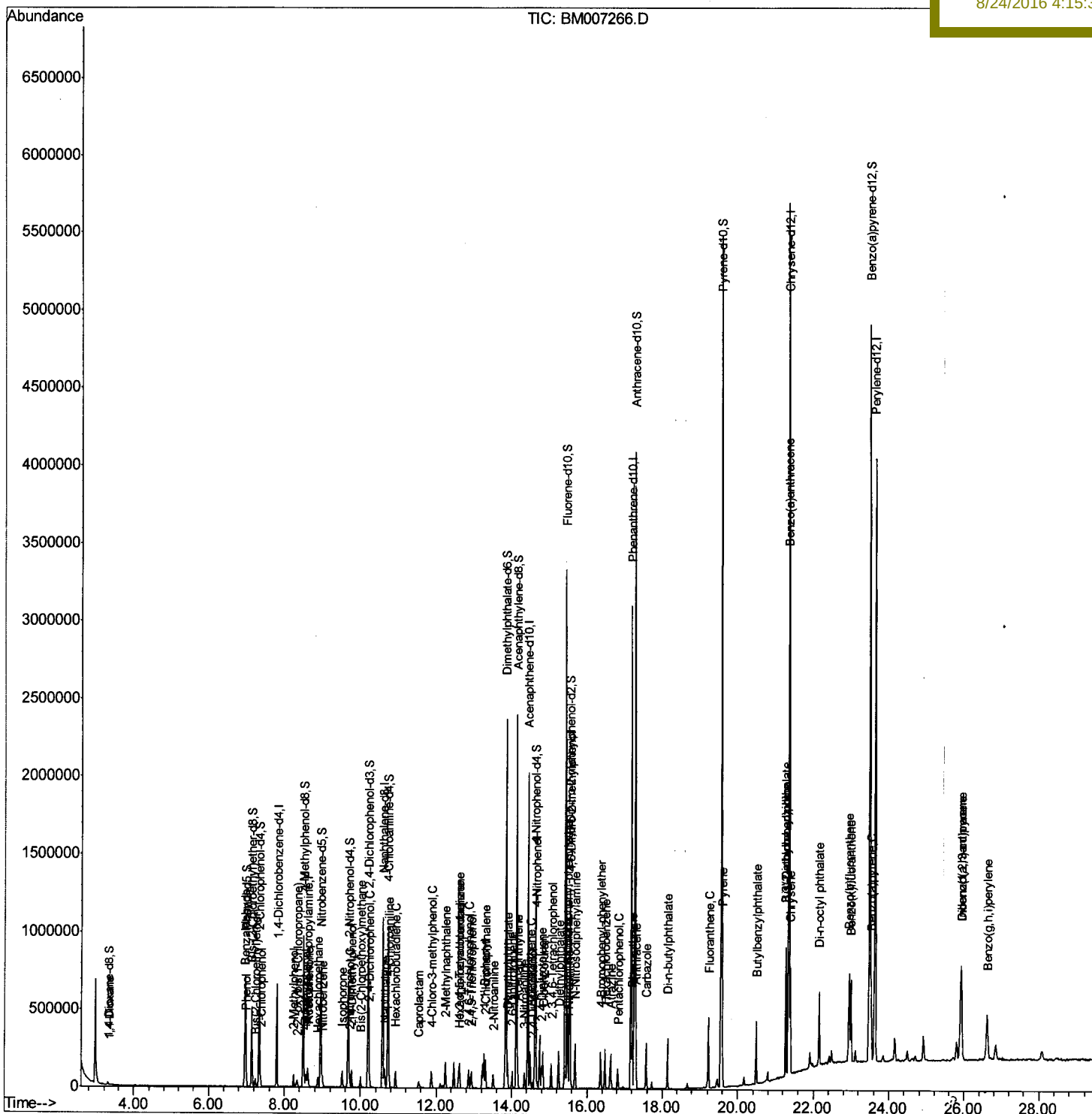


(QT Reviewed)

Quant Time: Aug 24 06:47:09 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 23 13:53:51 2016
Response via : Initial Calibration

Manual Integrations APPROVED

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Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082316\
 Data File : BM007266.D
 Acq On : 23 Aug 2016 23:30
 Operator : UM/SJ
 Sample : MDL-04-S-ML
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 24 06:47:09 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 23 13:53:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.62	216	45629	2.13	ng/ul	97
37) Hexachlorocyclopentadiene	12.59	237	22773	1.76	ng/ul	99
38) 2,4,6-Trichlorophenol	12.86	196	29794	1.96	ng/ul	95
39) 2,4,5-Trichlorophenol	12.93	196	32836m	2.08	ng/ul	95
40) 1,1'-Biphenyl	13.26	154	112478	2.25	ng/ul	96
41) 2-Chloronaphthalene	13.30	162	85620	2.19	ng/ul	99
42) 2-Nitroaniline	13.51	65	24783	1.94	ng/ul	96
44) Dimethylphthalate	13.89	163	130322	2.35	ng/ul	99
45) 2,6-Dinitrotoluene	14.01	165	21631	1.91	ng/ul	89
47) Acenaphthylene	14.16	152	148135	2.23	ng/ul	97
48) 3-Nitroaniline	14.34	138	22453	1.94	ng/ul#	91
49) Acenaphthene	14.50	153	95345	2.21	ng/ul	98
50) 2,4-Dinitrophenol	14.55	184	9824	1.28	ng/ul	92
52) 4-Nitrophenol	14.65	109	25796	2.31	ng/ul	91
53) Dibenzofuran	14.83	168	145664	2.26	ng/ul	97
54) 2,4-Dinitrotoluene	14.80	165	37402	2.16	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	15.06	232	33117	2.04	ng/ul#	98
56) Diethylphthalate	15.26	149	133808	2.32	ng/ul	99
58) Fluorene	15.48	166	123834	2.33	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.47	204	66731	2.40	ng/ul	97
60) 4-Nitroaniline	15.50	138	28881	2.20	ng/ul	93
63) 4,6-Dinitro-2-methylphenol	15.56	198	26562	2.22	ng/ul#	51
64) N-Nitrosodiphenylamine	15.69	169	109762	2.20	ng/ul	97
65) 4-Bromophenyl-phenylether	16.37	248	43535	2.16	ng/ul	99
66) Hexachlorobenzene	16.48	284	50380	2.23	ng/ul	95
67) Atrazine	16.64	200	44873	2.13	ng/ul	96
68) Pentachlorophenol	16.83	266	23628	1.62	ng/ul	93
69) Phenanthrene	17.22	178	216367	2.26	ng/ul	99
71) Anthracene	17.31	178	224355	2.27	ng/ul	98
72) Carbazole	17.58	167	196639	2.29	ng/ul	97
73) Di-n-butylphthalate	18.14	149	227301	2.10	ng/ul	98
74) Fluoranthene	19.23	202	290588	2.42	ng/ul	97
77) Pyrene	19.59	202	319918	2.28	ng/ul	97
78) Butylbenzylphthalate	20.49	149	109012	1.87	ng/ul	98
79) 3,3'-Dichlorobenzidine	21.27	252	115054	2.22	ng/ul	99
80) Benzo(a)anthracene	21.34	228	358673	2.33	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.27	149	169150	2.00	ng/ul	99
	21.39	228	326639	2.34	ng/ul	98
	22.16	149	297659	2.07	ng/ul	99
	22.94	252	388566	2.27	ng/ul	100
	22.99	252	376732	2.38	ng/ul	99
	23.53	252	389954	2.38	ng/ul	98
	25.91	276	467034	2.33	ng/ul	98
	25.93	278	390528	2.34	ng/ul	97
	26.61	276	387132	2.27	ng/ul	97

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APPROVED

Manual Integrations

MDL-04-S-ML

Client Sample

BNA_M

Instrument

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082316\
 Data File : BM007266.D
 Acq On : 23 Aug 2016 23:30
 Operator : UM/SJ
 Sample : MDL-04-S-ML
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 24 06:47:09 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 23 13:53:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	176094	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	874552	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	644418	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1784980	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	2609832	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	2891880	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	9713	2.82	ng/uL	0.00
5) Phenol-d5	6.97	99	388208	23.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	231259	26.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	304566	24.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	344179	23.73	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	167905	26.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	197730	26.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	352822	23.64	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	508277	27.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	1519554	27.33	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1692793	26.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	275749	26.27	ng/ul	0.00
57) Fluorene-d10	15.43	176	1292003	26.87	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	275538	24.55	ng/ul	0.00
70) Anthracene-d10	17.27	188	2219557	26.62	ng/ul	0.00
76) Pyrene-d10	19.57	212	2829776	25.93	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	3533350	26.53	ng/ul	0.00

Target Compounds

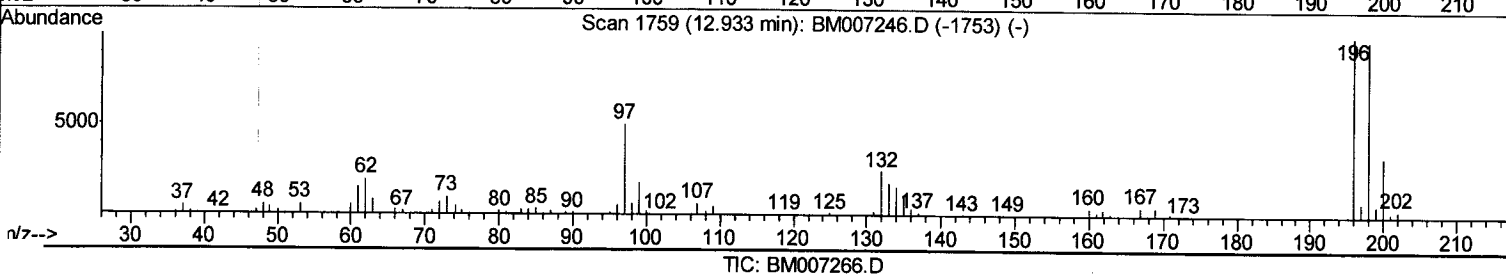
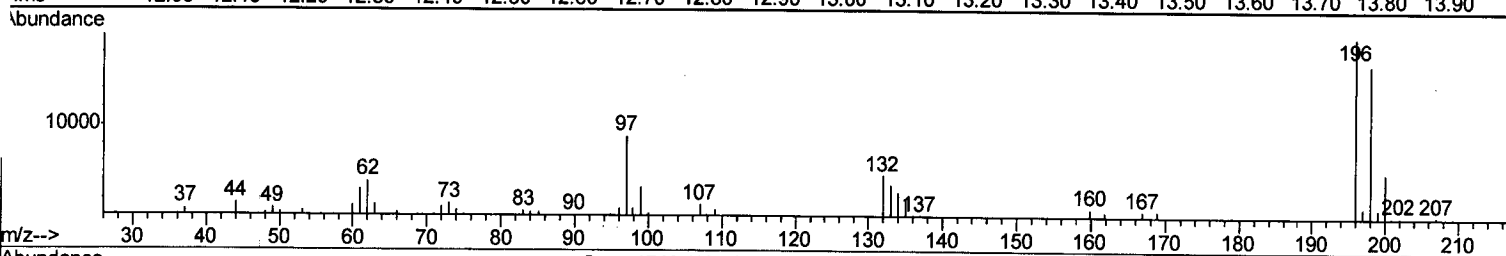
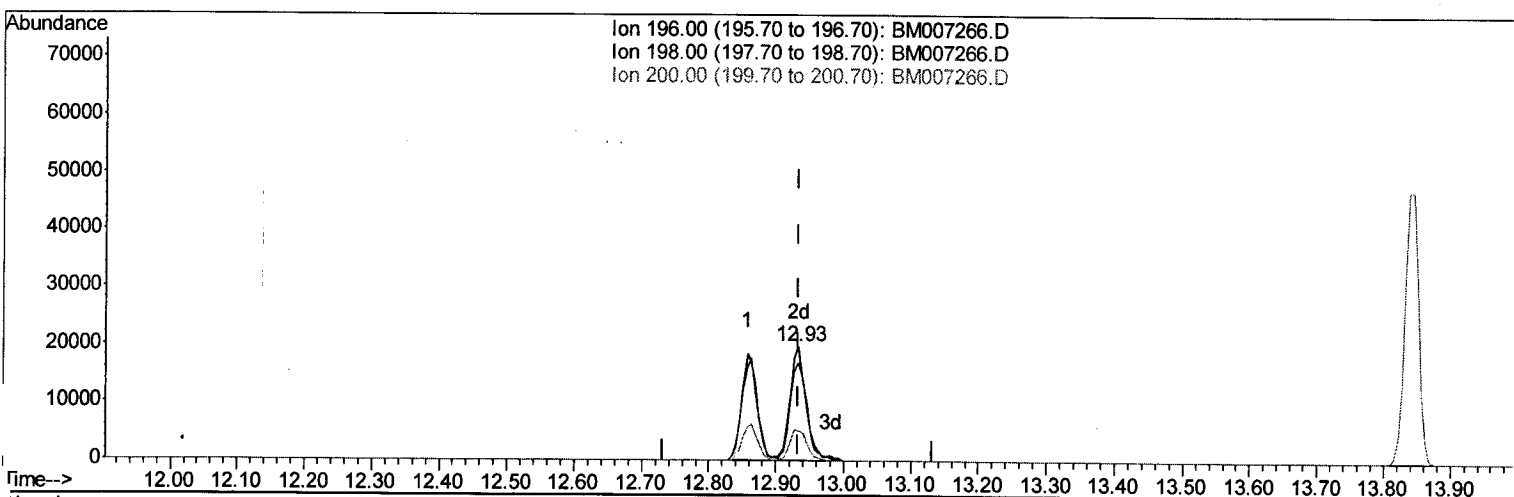
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2) 1,4-Dioxane	3.35	88	2180	0.57 ng/uL#	75
4) Benzaldehyde	6.95	77	24457	2.58 ng/ul	97
6) Phenol	6.99	94	35424	2.05 ng/ul#	88
8) Bis(2-Chloroethyl)ether	7.23	93	28292	2.35 ng/ul	96
10) 2-Chlorophenol	7.37	128	26889	2.14 ng/ul	96
11) 2-Methylphenol	8.24	108	25165	1.87 ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.34	45	30361	2.24 ng/ul#	92
14) Acetophenone	8.62	105	49669	2.23 ng/ul	98
15) N-Nitroso-di-n-propylamine	8.60	70	25902	2.19 ng/ul#	93
16) 4-Methylphenol	8.56	108	30454	2.01 ng/ul	98
17) Hexachloroethane	8.87	117	10990	2.24 ng/ul	92
20) Nitrobenzene	9.00	77	38201	2.32 ng/ul	98
21) Isophorone	9.52	82	72316	2.15 ng/ul	97
23) 2-Nitrophenol	9.71	139	18210	2.23 ng/ul	91
phenol	9.76	107	37368	2.08 ng/ul	96
ethoxy)methane	10.00	93	40280	2.13 ng/ul	100
phenol	10.23	162	30471	2.06 ng/ul#	88
	10.64	128	96900	2.23 ng/ul	97
ine	10.75	127	42432	2.21 ng/ul	99
adiene	10.92	225	22313	2.23 ng/ul	96
22) Cannabidiol	11.53	113	12235m	2.05 ng/ul	94
MDL-04-S-ML	11.87	107	36102	1.97 ng/ul	94
ethylphenol	12.25	142	78512	2.21 ng/ul	100
BNA_M					
thylene					

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Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082316\
 Data File : BM007266.D
 Acq On : 23 Aug 2016 23:30
 Operator : UM/SJ
 Sample : MDL-04-S-ML
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 24 05:26:45 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 23 13:53:51 2016
 Response via : Initial Calibration



(39) 2,4,5-Trichlorophenol

12.933min (+0.000) 2.08ng/ul m

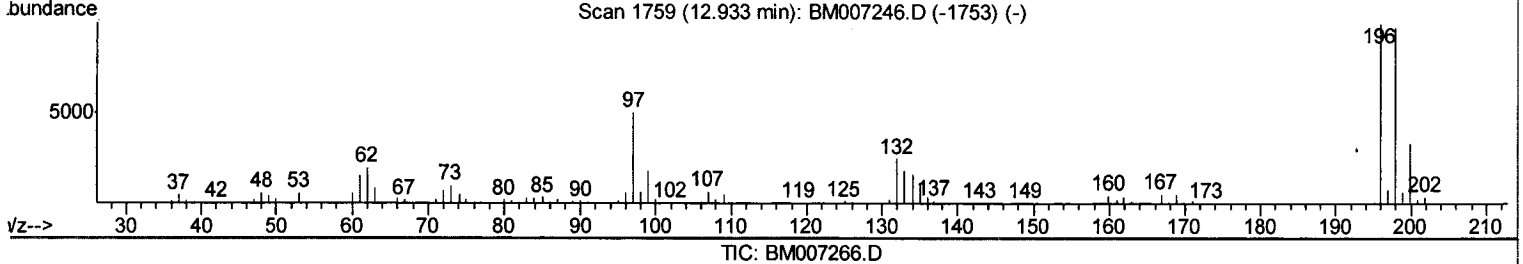
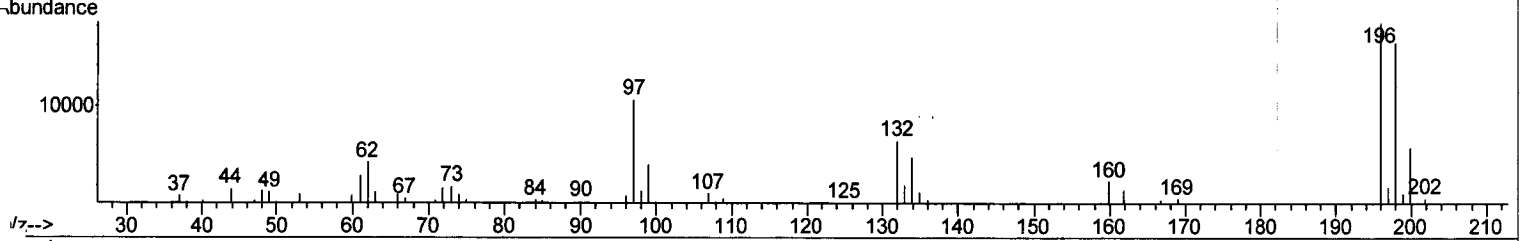
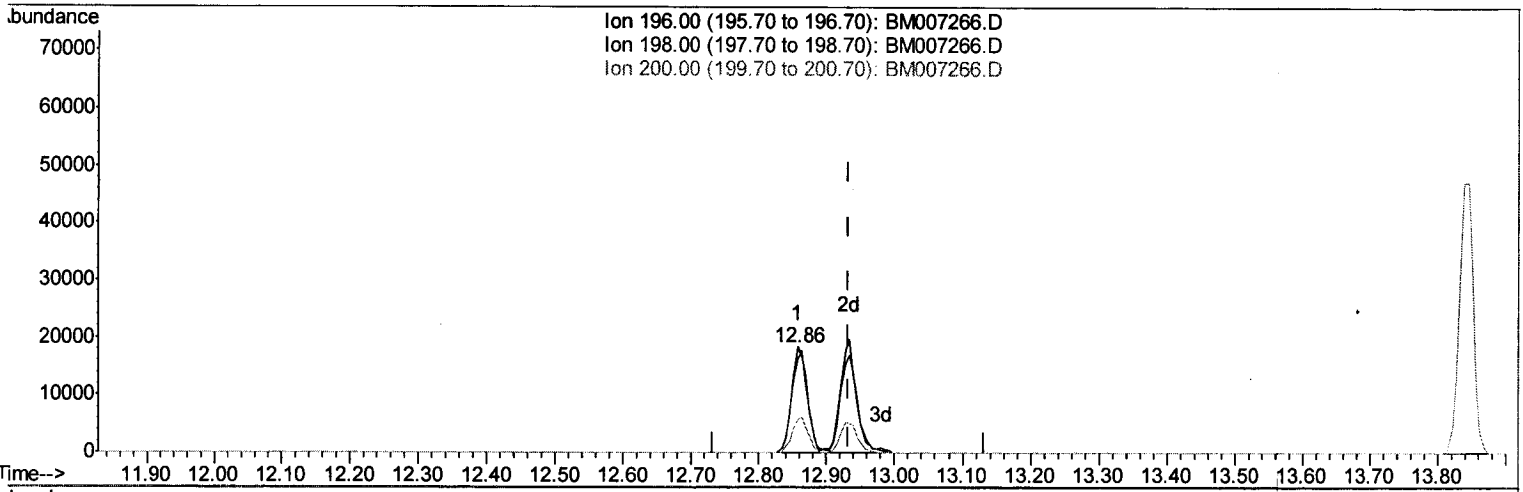
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 Manual Integrations
 APPROVED
 198.00 96.00 85.43
 MDL-04-S-ML
 Client Sample: 5.99#
 BNA_M
 Instrument: 00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082316\
 Data File : BM007266.D
 Acq On : 23 Aug 2016 23:30
 Operator : UM/SJ
 Sample : MDL-04-S-ML
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 24 05:26:45 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 23 13:53:51 2016
 Response via : Initial Calibration



(39) 2,4,5-Trichlorophenol

12.857min (-0.076) 1.88ng/ul

response 29794

Ion	Exp%	Act%
196	100	100
198	99.30	99.30
200	91.85	91.85
202	100	100

Manual Integrations
 APPROVED
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Instrument : BNA_M
 ClientSample : MDL-04-S-ML

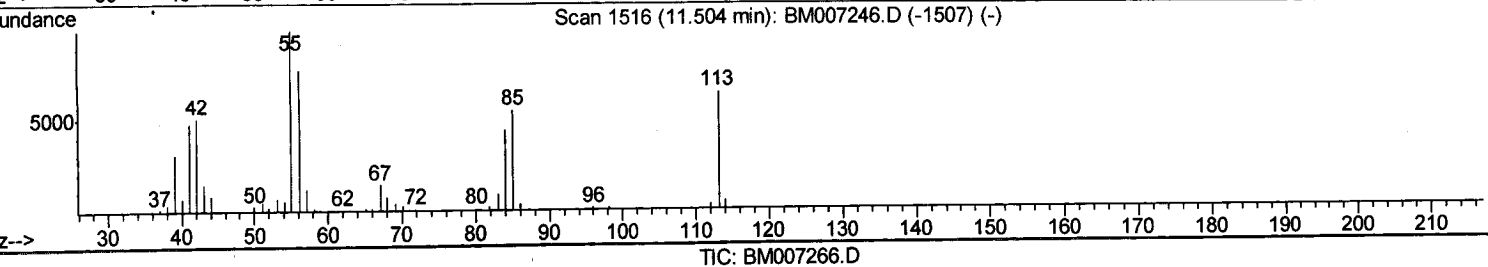
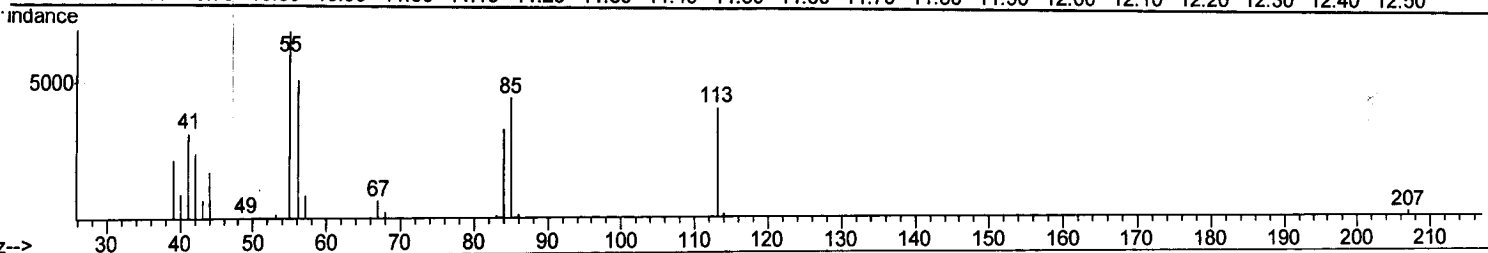
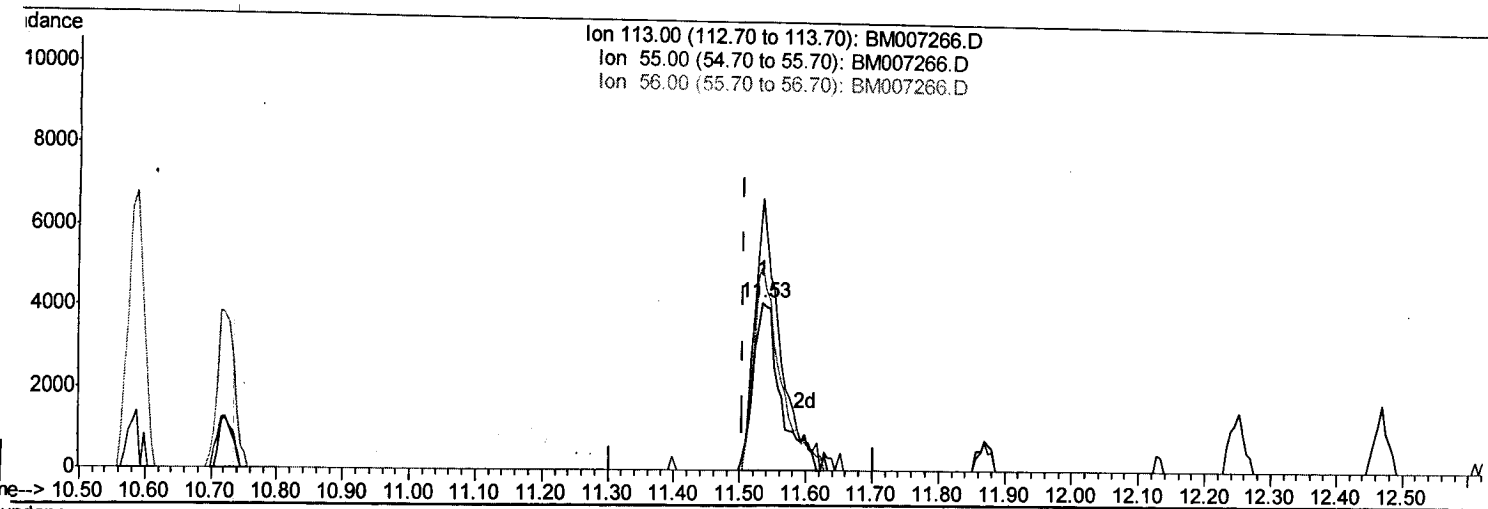
Quantitation Report (Qedit)

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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082316\  
Data File : BM007266.D  
Acq On : 23 Aug 2016 23:30  
Operator : UM/SJ  
Sample : MDL-04-S-ML  
Disc :  
LS Vial : 25 Sample Multiplier: 1
```

```

Quant Time: Aug 24 05:26:45 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title  : SVOA CALIBRATION
Last Update  : Tue Aug 23 13:53:51 2016
Response via : Initial Calibration

```



(32) Caprolactam

11.523min (+0.030) 2.05ng/ul m

$$\begin{array}{r} 6.7 \\ 08124116 \end{array}$$

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1140S

ct%

4.00

162.41

121.92

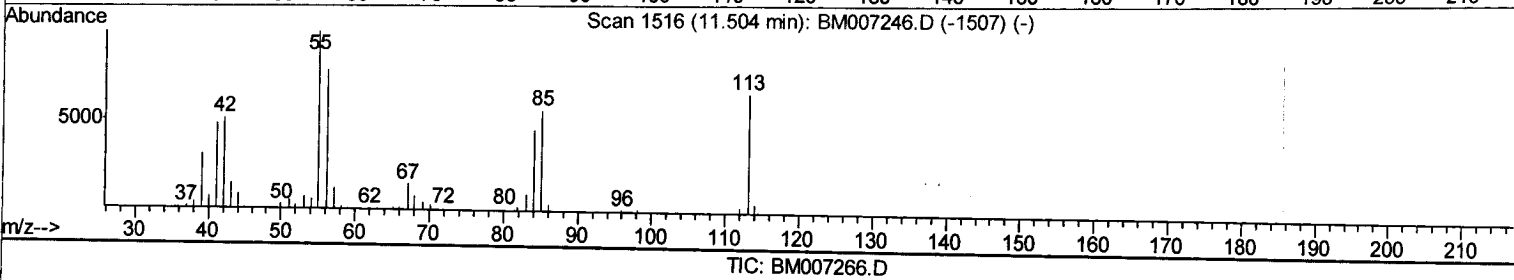
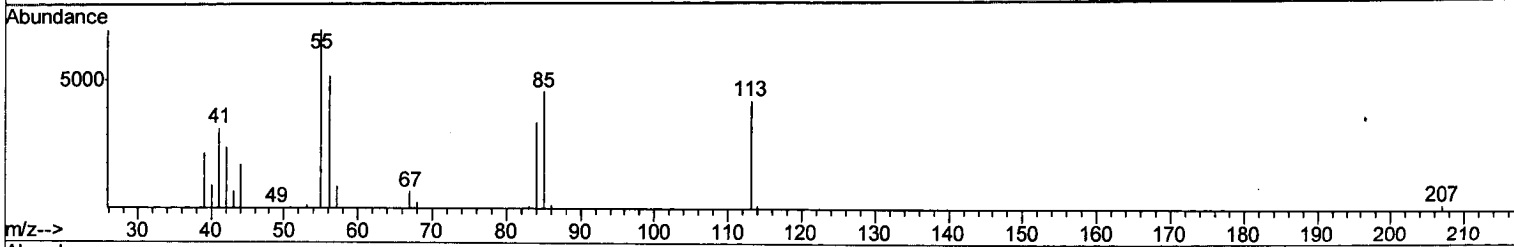
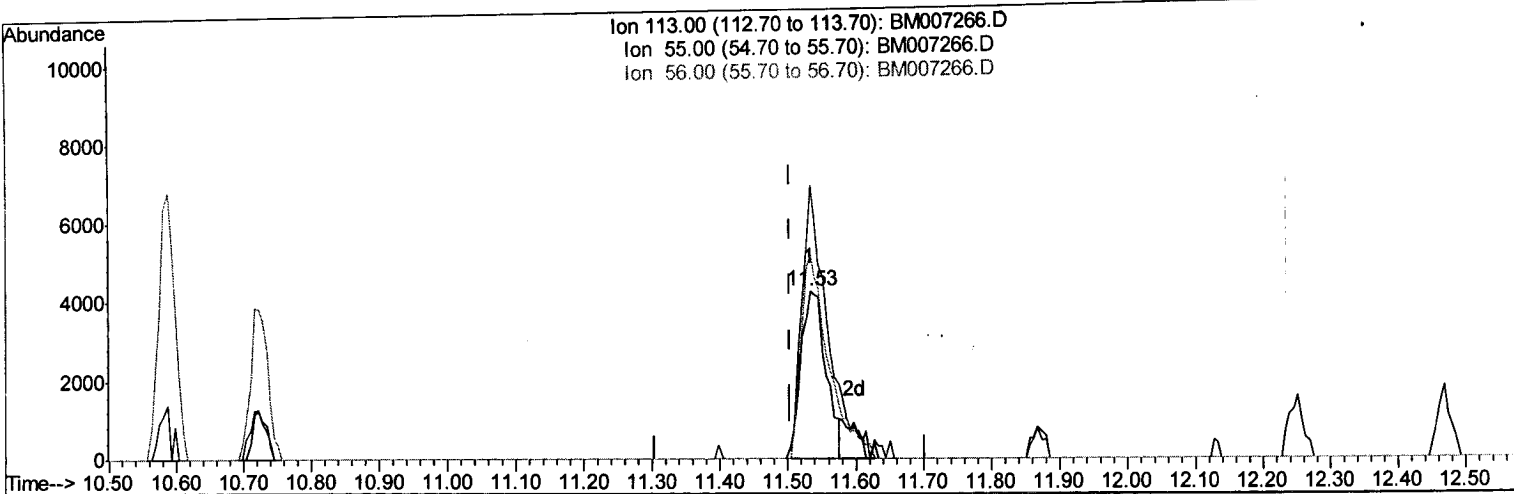
3

0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082316\
 Data File : BM007266.D
 Acq On : 23 Aug 2016 23:30
 Operator : UM/SJ
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 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 23 13:53:51 2016
 Response via : Initial Calibration



(32) Caprolactam

11.533min (+0.030) 1.79ng/ul

response 10689

Ion	Exp%	Act%
113.00	100	162.41
55.00	121.92	0.00