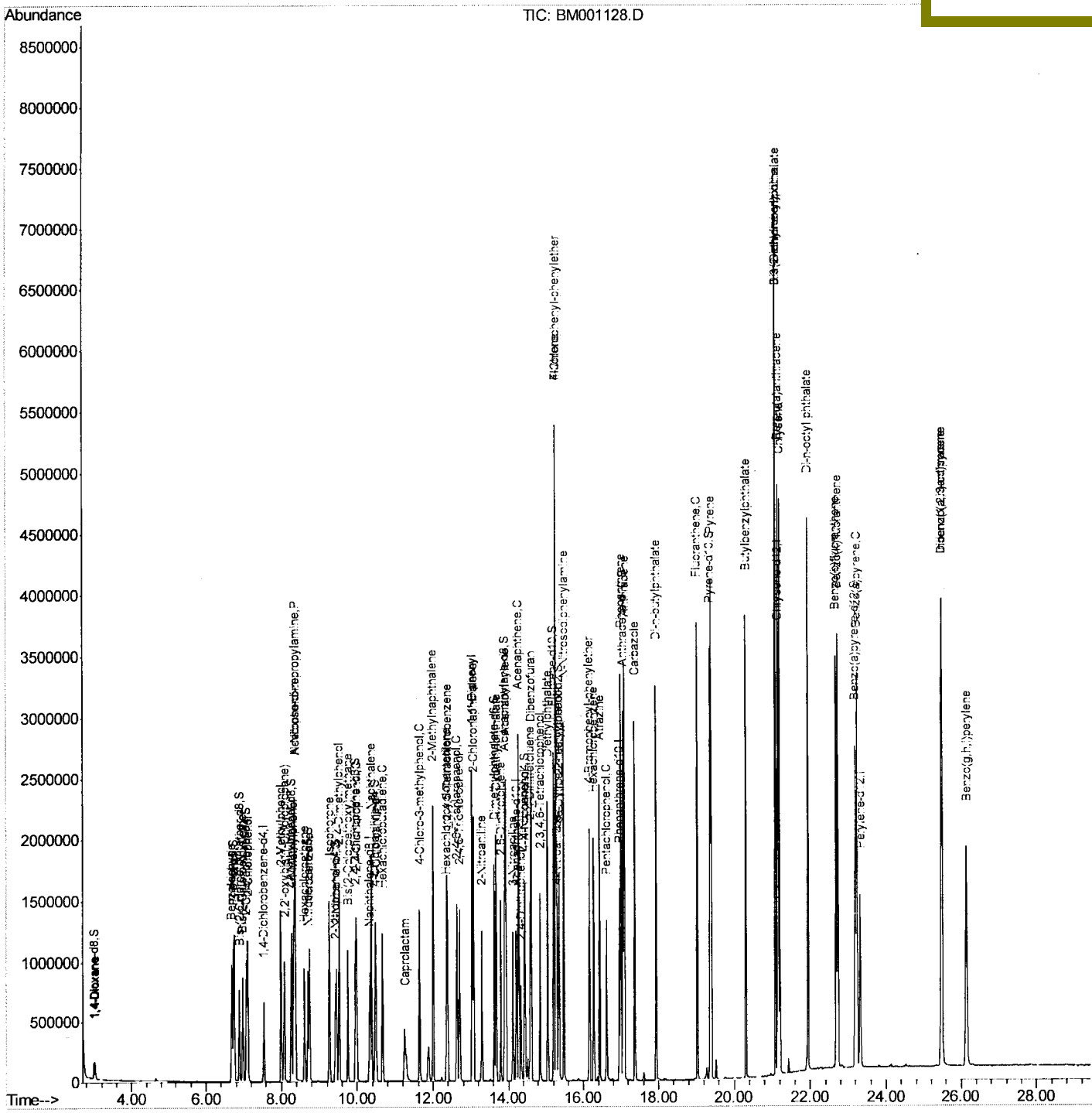
Data Path : Z:\HPCHEM1\BNA_M\Data\BM042815\
Data File : BM001128.D
Acq On : 27 Apr 2015 23:25
Operator : TP/IZ
Sample : SSTD04052
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 28 06:02:49 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042815.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 28 04:01:47 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD04052

Manual Integrations APPROVED
apatel
4/30/2015 10:42:52 AM



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM042815\
Data File : BM001128.D
Acq On : 27 Apr 2015 23:25
Operator : TP/IZ
Sample : SSTD04052
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : SSTD04052

Manual Integrations APPROVED
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4/30/2015 10:42:52 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.38	216	463579	39.36	ng/ul	98
37) Hexachlorocyclopentadiene	12.36	237	259348	39.04	ng/ul	97
38) 2,4,6-Trichlorophenol	12.63	196	295686	41.27	ng/ul	96
39) 2,4,5-Trichlorophenol	12.70	196	328936	42.53	ng/ul	95
40) 1,1'-Biphenyl	13.03	154	1268854	39.86	ng/ul	99
41) 2-Chloronaphthalene	13.07	162	976352	39.98	ng/ul	97
42) 2-Nitroaniline	13.29	65	319480	48.93	ng/ul	98
44) Dimethylphthalate	13.67	163	1175939	40.84	ng/ul	99
45) 2,6-Dinitrotoluene	13.80	165	238663	44.73	ng/ul	99
47) Acenaphthylene	13.93	152	1616225	40.92	ng/ul	100
48) 3-Nitroaniline	14.12	138	248870	47.15	ng/ul	92
49) Acenaphthene	14.27	153	1054448	40.24	ng/ul	99
50) 2,4-Dinitrophenol	14.33	184	130601	41.64	ng/ul	98
52) 4-Nitrophenol	14.44	109	196198	48.86	ng/ul	94
53) Dibenzofuran	14.61	168	1455937	40.01	ng/ul	99
54) 2,4-Dinitrotoluene	14.59	165	354161	44.31	ng/ul	100
55) 2,3,4,6-Tetrachlorophenol	14.84	232	265142	41.86	ng/ul#	98
56) Diethylphthalate	15.04	149	1218989	42.26	ng/ul	99
58) Fluorene	15.26	166	1224717	40.81	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.26	204	575924	40.14	ng/ul	97
60) 4-Nitroaniline	15.29	138	259554	40.34	ng/ul	98
63) 4,6-Dinitro-2-methylphenol	15.36	198	209492	40.93	ng/ul#	96
64) N-Nitrosodiphenylamine	15.48	169	1011032	39.77	ng/ul	100
65) 4-Bromophenyl-phenylether	16.16	248	323272	40.04	ng/ul	94
66) Hexachlorobenzene	16.27	284	358683	39.40	ng/ul	98
67) Atrazine	16.43	200	342686	39.84	ng/ul	97
68) Pentachlorophenol	16.62	266	195530	38.78	ng/ul	96
69) Phenanthrene	17.00	178	1847903	39.47	ng/ul	99
71) Anthracene	17.09	178	1898916	39.82	ng/ul	99
72) Carbazole	17.37	167	1736490	40.57	ng/ul	100
73) Di-n-butylphthalate	17.93	149	2012484	42.52	ng/ul	99
74) Fluoranthene	19.03	202	2099236	41.36	ng/ul	98
77) Pyrene	19.39	202	2235013	38.45	ng/ul	99
78) Butylbenzylphthalate	20.30	149	921673	42.65	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.09	252	669711	44.50	ng/ul	99
80) Benzo(a)anthracene	21.14	228	2187379	40.43	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.09	149	1406499	43.11	ng/ul#	96
82) Chrysene	21.20	228	2075634	40.23	ng/ul	99
84) Di-n-octyl phthalate	21.94	149	2393807	40.12	ng/ul	100
85) Benzo(b)fluoranthene	22.68	252	2160014	39.43	ng/ul	99
86) Benzo(k)fluoranthene	22.72	252	2080923	40.53	ng/ul	99
88) Benzo(a)pyrene	23.23	252	2083617	40.57	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.47	276	2381481	42.29	ng/ul	100
90) Dibenzo(a,h)anthracene	25.49	278	1994068	42.00	ng/ul	99
91) Benzo(g,h,i)perylene	26.13	276	1974716	41.60	ng/ul	98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM042815\
Data File : BM001128.D
Acq On : 27 Apr 2015 23:25
Operator : TP/IZ
Sample : SSTD04052
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 28 06:02:49 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042815.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 28 04:01:47 2015
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : SSTD04052

Manual Integrations APPROVED
apatel
4/30/2015 10:42:52 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	159058	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	680400	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.21	164	378173	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	827321	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	922878	20.00	ng/ul	0.00
83) Perylene-d12	23.32	264	881288	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.99	96	54705	15.59	ng/uL	0.00
5) Phenol-d5	6.72	99	515890	40.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.88	67	325144	40.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	415100	40.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	420554	40.94	ng/ul	0.00
19) Nitrobenzene-d5	8.70	128	189881	41.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.42	143	212266	41.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	408355	40.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	506693	45.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.62	166	1051758	40.94	ng/ul	0.00
46) Acenaphthylene-d8	13.90	160	1510974	41.45	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	217051	42.15	ng/ul	0.00
57) Fluorene-d10	15.20	176	1008365	39.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	194508	40.71	ng/ul	0.00
70) Anthracene-d10	17.06	188	1528296	40.44	ng/ul	0.00
76) Pyrene-d10	19.36	212	1640743	38.63	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	1606703	40.26	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.02	88	58256	16.00	ng/uL	93
4) Benzaldehyde	6.68	77	302319	37.36	ng/ul	98
6) Phenol	6.75	94	553078	40.37	ng/ul	99
8) Bis(2-Chloroethyl)ether	6.97	93	426772	39.71	ng/ul	97
10) 2-Chlorophenol	7.10	128	428453	39.51	ng/ul	96
11) 2-Methylphenol	7.99	108	412497	39.98	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.08	45	806035	42.22	ng/ul	99
14) Acetophenone	8.36	105	677885	41.63	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.35	70	349420	43.23	ng/ul	99
16) 4-Methylphenol	8.32	108	458090	40.97	ng/ul	100
17) Hexachloroethane	8.60	117	175054	41.13	ng/ul	98
20) Nitrobenzene	8.74	77	527641	43.51	ng/ul	99
21) Isophorone	9.26	82	926659	43.44	ng/ul	99
23) 2-Nitrophenol	9.45	139	237007	41.83	ng/ul	96
24) 2,4-Dimethylphenol	9.52	107	501076	41.60	ng/ul	99
25) Bis(2-Chloroethoxy)methane	9.75	93	575053	41.14	ng/ul	99
27) 2,4-Dichlorophenol	9.98	162	403877	40.35	ng/ul	99
28) Naphthalene	10.37	128	1406039	39.51	ng/ul	99
30) 4-Chloroaniline	10.49	127	517897	45.98	ng/ul	97
31) Hexachlorobutadiene	10.66	225	242164	40.14	ng/ul	99
32) Caprolactam	11.24	113	123158m	42.86	ng/ul	
33) 4-Chloro-3-methylphenol	11.63	107	441583	42.42	ng/ul	100
34) 2-Methylnaphthalene	12.00	142	981258	39.48	ng/ul	97

TP 04/30/15

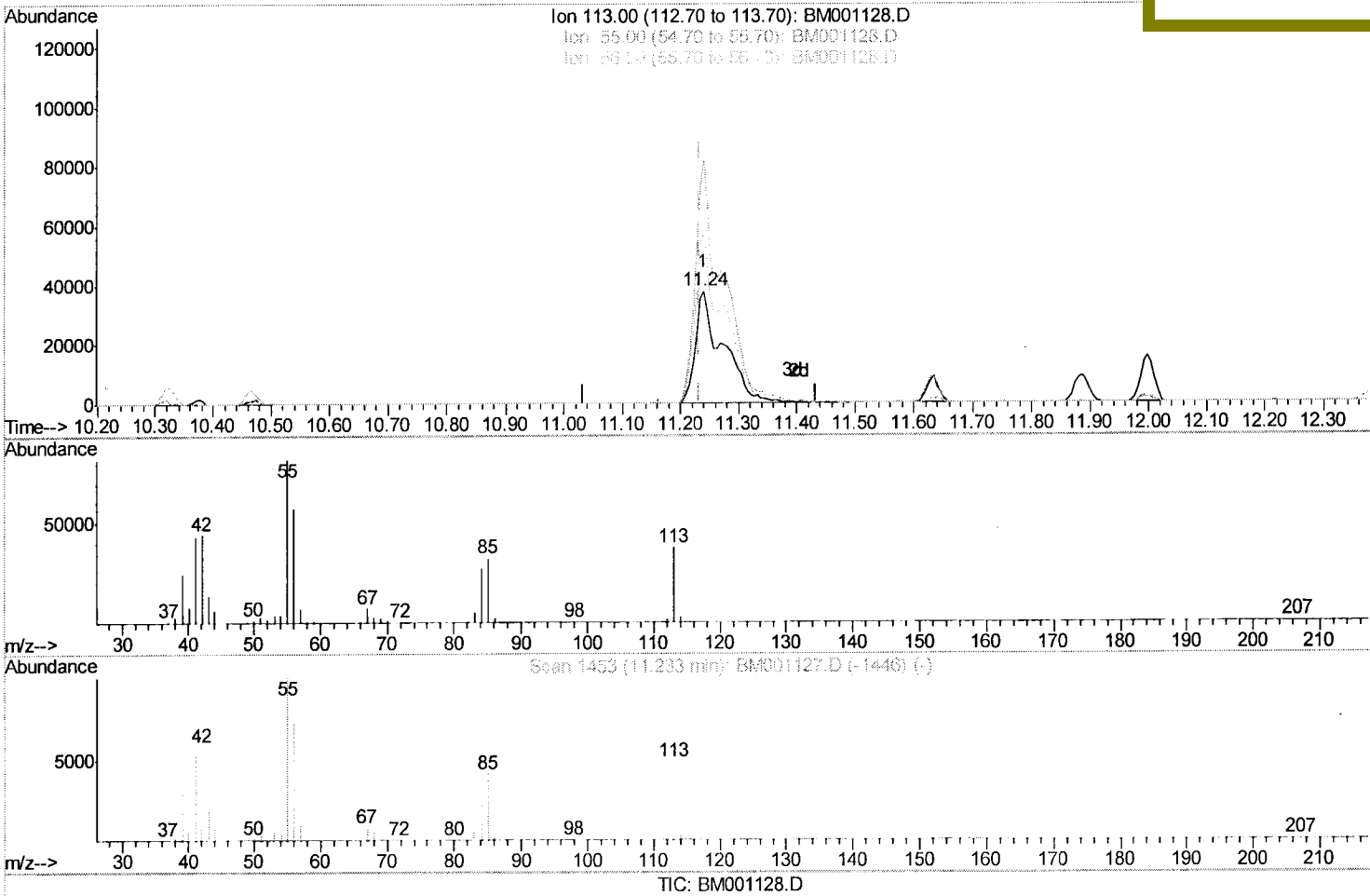
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM042815\
Data File : BM001128.D
Acq On : 27 Apr 2015 23:25
Operator : TP/IZ
Sample : SSTD04052
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 28 04:17:18 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042815.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 28 04:01:47 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD04052

Manual Integrations APPROVED
apatel
4/30/2015 10:42:52 AM



(32) Caprolactam

11.239min (+0.006) 42.86ng/ul m

response 123158

Ion	Exp%	Act%
113.00	100	100
55.00	206.00	217.22
56.00	149.40	151.46
0.00	0.00	0.00

TP
04/30/15

Data Path : Z:\HPCHEM1\BNA_M\Data\BM042815\
Data File : BM001128.D
Acq On : 27 Apr 2015 23:25
Operator : TP/IZ
Sample : SSTD04052
Misc :
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Quant Time: Apr 28 04:17:18 2015
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Instrument :
BNA_M
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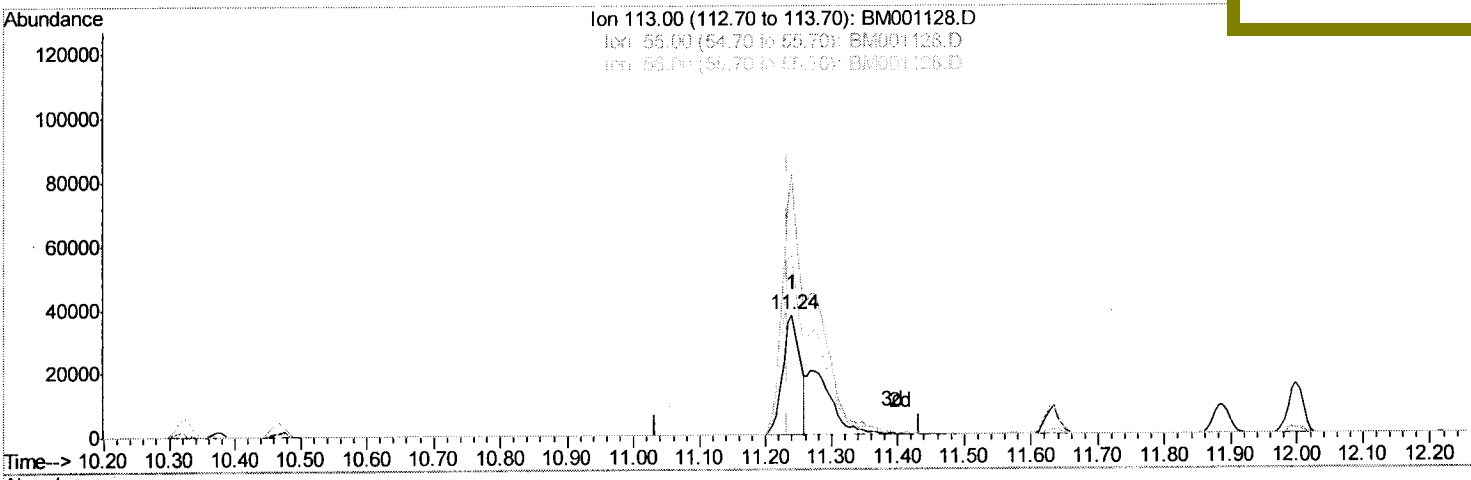
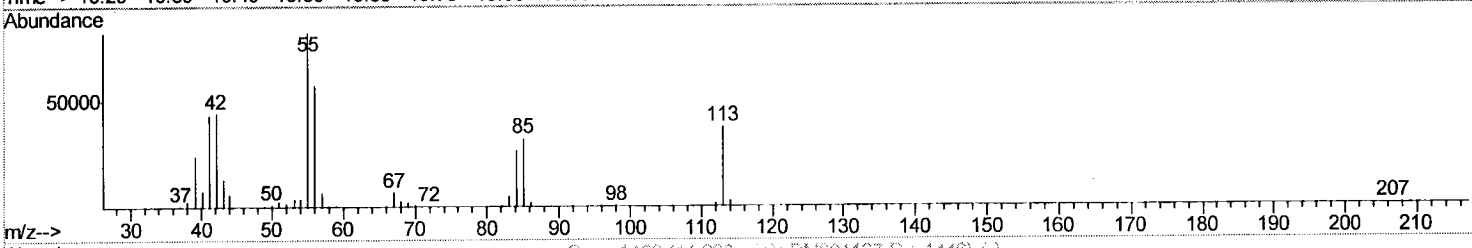
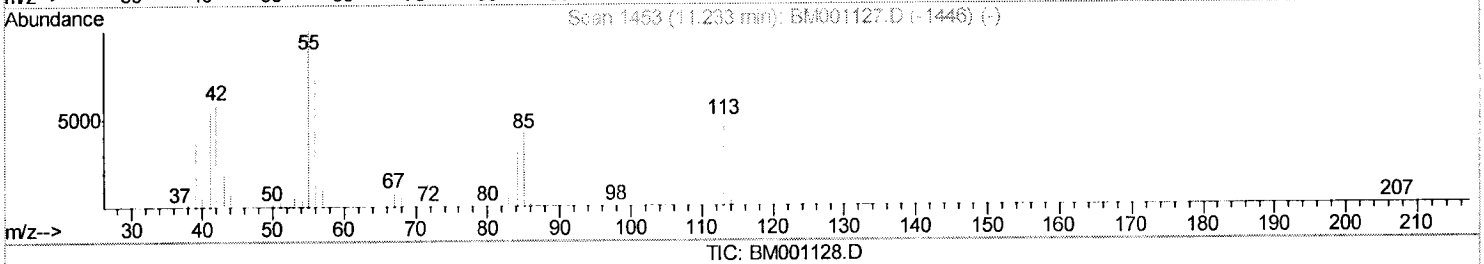
SSTD04052

Manual Integrations APPROVED
apatel
4/30/2015 10:42:52 AM







TIC: BM001128.D

(32) Caprolactam

11.239min (+0.006) 23.84ng/ul

response 68498

Ion	Exp%	Act%
113.00	100	100
55.00	206.00	217.22
56.00	149.40	151.46
0.00	0.00	0.00