

Instrument :
BNA_M
LabSampleId :
SSTD02099

Sohil
11/7/2017 5:35:10 PM

The chromatogram displays a series of peaks corresponding to different chemical compounds. The y-axis represents Abundance, ranging from 0 to 3,000,000. The x-axis represents Time in minutes, ranging from 4.00 to 28.00. The following table lists the compounds identified in the chromatogram, along with their approximate retention times:

Compound	Approximate Retention Time (min)
1,4-Dioxane-d8,S	7.5
Benzene-d6,S	7.8
1,4-Dichlorobenzene-d4,I	8.2
Z,Z-oxybis(4-methylphenol),S	8.5
Nitrobenzene	9.0
2,4-Dichlorophenol,S	9.5
Bis(2-chlorophenyl)ether,S	9.8
2,4-Dichlorophenol,S	10.0
1,4-Dioxane-d8,I	10.2
Hexachlorobutadiene,C	10.5
Caprolactam	11.5
4-Chloro-3-methylphenol,C	12.0
2-Methylnaphthalene	12.5
Hexachlorocyclopentadiene-d8,S	13.0
2,4,6-Trichlorophenol,C	13.5
2-Nitroaniline	14.0
Dimethylphthalate-d8,S	14.5
Acetophenone-d8,S	14.8
3-Nitroaniline	15.0
2,4-Dinitrophenol,S	15.2
2,4,6-Trichlorophenol,C	15.5
2,4,6-Trichlorophenol,C	15.8
2,4,6-Trichlorophenol,C	16.0
2,4,6-Trichlorophenol,C	16.2
2,4,6-Trichlorophenol,C	16.5
2,4,6-Trichlorophenol,C	16.8
2,4,6-Trichlorophenol,C	17.0
2,4,6-Trichlorophenol,C	17.2
2,4,6-Trichlorophenol,C	17.5
2,4,6-Trichlorophenol,C	17.8
2,4,6-Trichlorophenol,C	18.0
2,4,6-Trichlorophenol,C	18.2
2,4,6-Trichlorophenol,C	18.5
2,4,6-Trichlorophenol,C	18.8
2,4,6-Trichlorophenol,C	19.0
2,4,6-Trichlorophenol,C	19.2
2,4,6-Trichlorophenol,C	19.5
2,4,6-Trichlorophenol,C	19.8
2,4,6-Trichlorophenol,C	20.0
2,4,6-Trichlorophenol,C	20.2
2,4,6-Trichlorophenol,C	20.5
2,4,6-Trichlorophenol,C	20.8
2,4,6-Trichlorophenol,C	21.0
2,4,6-Trichlorophenol,C	21.2
2,4,6-Trichlorophenol,C	21.5
2,4,6-Trichlorophenol,C	21.8
2,4,6-Trichlorophenol,C	22.0
2,4,6-Trichlorophenol,C	22.2
2,4,6-Trichlorophenol,C	22.5
2,4,6-Trichlorophenol,C	22.8
2,4,6-Trichlorophenol,C	23.0
2,4,6-Trichlorophenol,C	23.2
2,4,6-Trichlorophenol,C	23.5
2,4,6-Trichlorophenol,C	23.8
2,4,6-Trichlorophenol,C	24.0
2,4,6-Trichlorophenol,C	24.2
2,4,6-Trichlorophenol,C	24.5
2,4,6-Trichlorophenol,C	24.8
2,4,6-Trichlorophenol,C	25.0
2,4,6-Trichlorophenol,C	25.2
2,4,6-Trichlorophenol,C	25.5
2,4,6-Trichlorophenol,C	25.8
2,4,6-Trichlorophenol,C	26.0
2,4,6-Trichlorophenol,C	26.2
2,4,6-Trichlorophenol,C	26.5
2,4,6-Trichlorophenol,C	26.8
2,4,6-Trichlorophenol,C	27.0
2,4,6-Trichlorophenol,C	27.2
2,4,6-Trichlorophenol,C	27.5
2,4,6-Trichlorophenol,C	27.8
2,4,6-Trichlorophenol,C	28.0

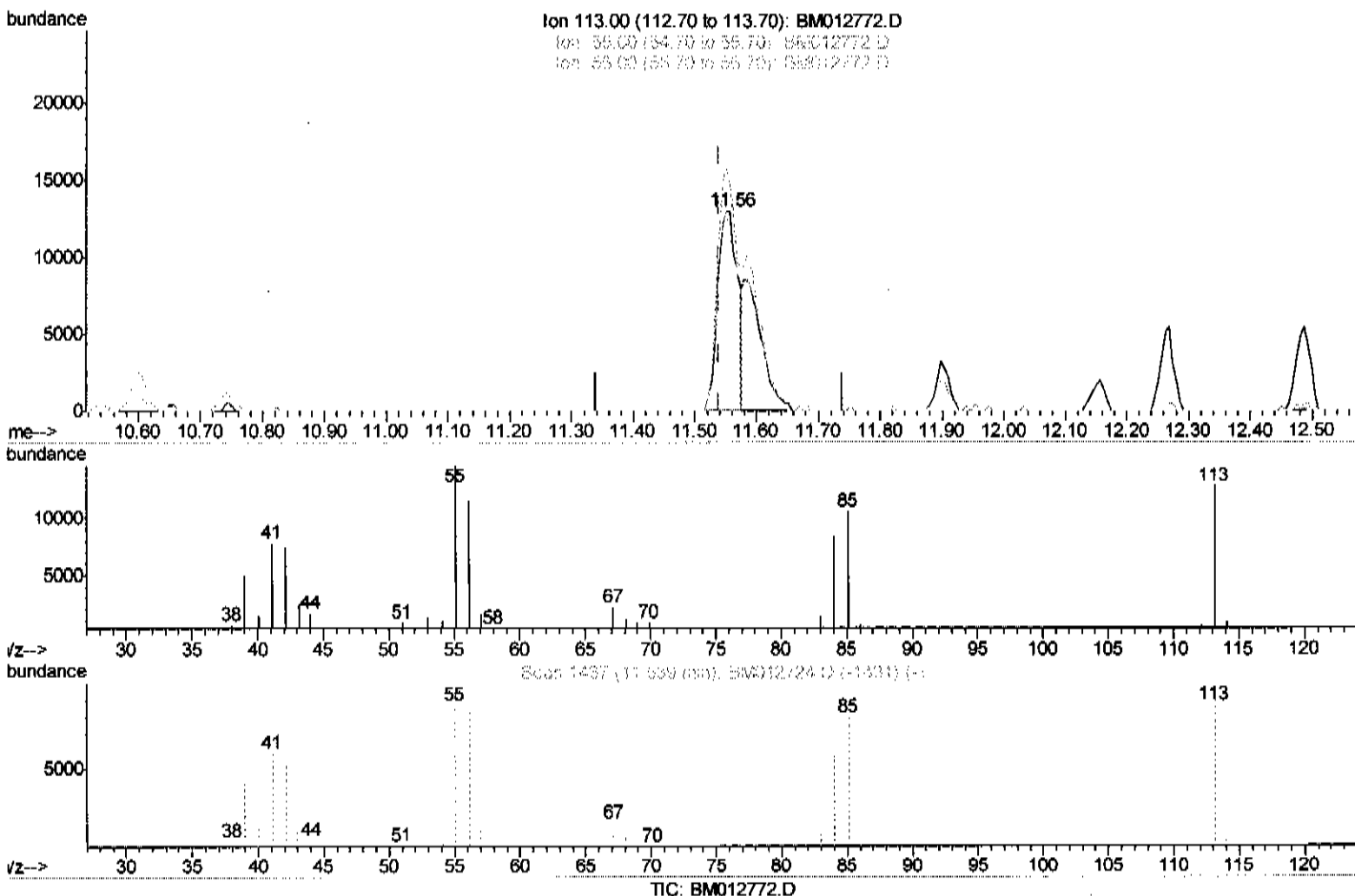
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 Acq On : 06 Nov 2017 11:59
 Operator : SJ/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SST02099

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:10 PM

Quant Time: Nov 07 03:17:57 2017
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 07:19:57 2017
 Response via : Initial Calibration



(32) Caprolactam

11.557min (+0.018) 13.83ng/ul

response 28975

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	113.46
56.00	101.50	88.99
0.00	0.00	0.00

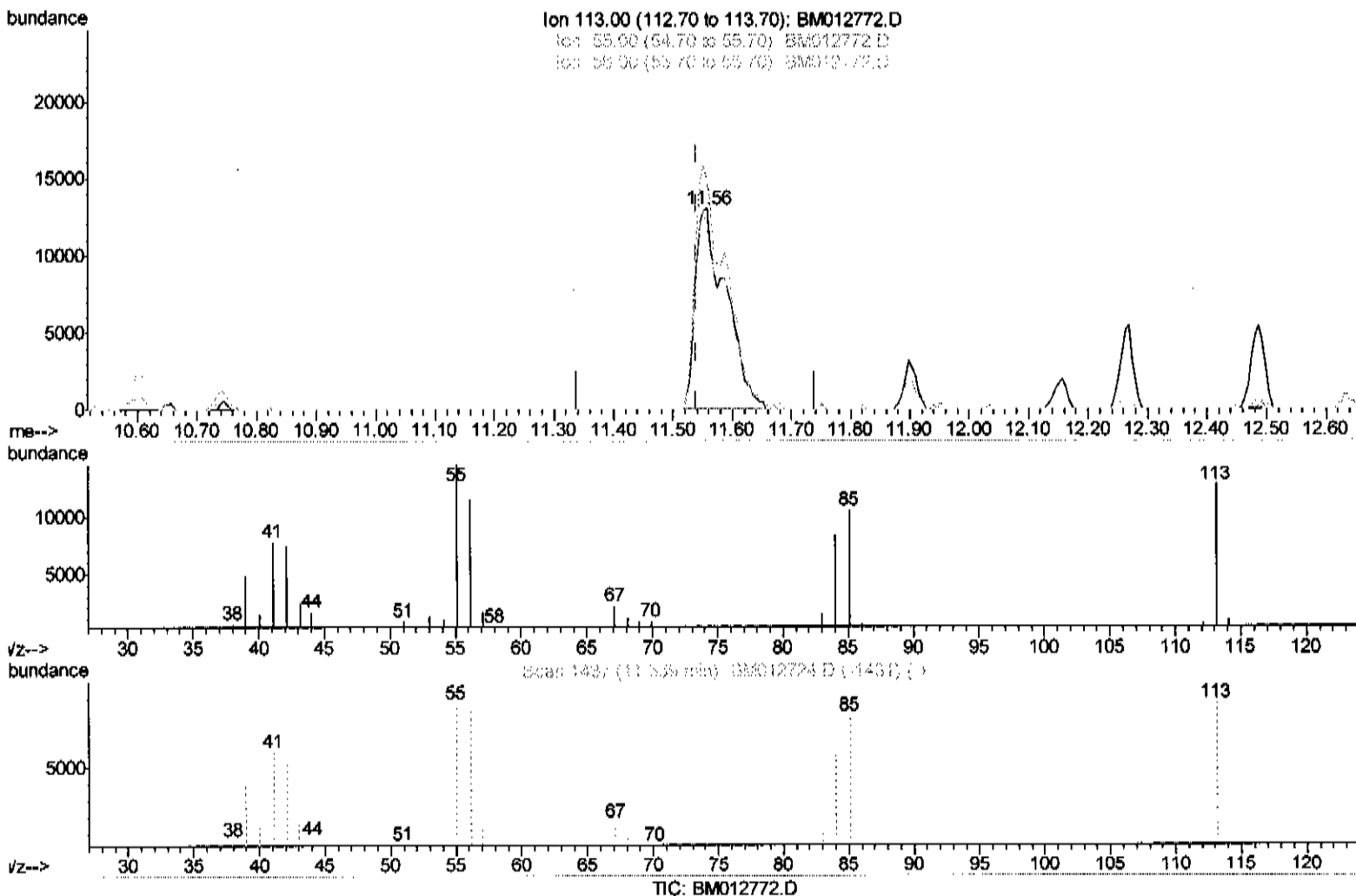
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 Sample : SSTDCCC020
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(32) Caprolactam

11.557min (+0.018) 22.30ng/ul m

response 46739

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	113.46
56.00	101.50	88.99
0.00	0.00	0.00

SJ 11/7/17

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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	101792	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	441191	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	293972	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	706098	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	741505	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	702317	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.29	96	13558	7.20	ng/uL	0.00
5) Phenol-d5	6.99	99	147427	19.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	78669	19.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	124816	19.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	133440	20.41	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	62414	19.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	76194	20.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	152983	20.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	176797	23.96	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	476911	19.60	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	575913	19.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	72316	18.55	ng/ul	0.01
57) Fluorene-d10	15.44	176	400075	19.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	86529	18.56	ng/ul	0.00
70) Anthracene-d10	17.30	188	636805	18.67	ng/ul	0.00
78) Pyrene-d10	19.59	212	692275	20.12	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.52	264	621450	18.71	ng/ul	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) 1,4-Dioxane	3.33	88	14707	6.95	ng/uL	95
4) Benzaldehyde	6.96	77	92201	22.89	ng/ul	96
6) Phenol	7.02	94	149948	19.29	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.23	93	113802	19.53	ng/ul	98
10) 2-Chlorophenol	7.38	128	126256	19.43	ng/ul	98
11) 2-Methylphenol	8.26	108	119695	20.23	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.35	45	99124	20.59	ng/ul#	92
14) Acetophenone	8.63	105	205624	20.90	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.62	70	102006	21.57	ng/ul	96
16) 4-Methylphenol	8.59	108	133509	20.79	ng/ul	95
17) Hexachloroethane	8.88	117	49212	18.81	ng/ul#	73
20) Nitrobenzene	9.01	77	143697	18.73	ng/ul	99
21) Isophorone	9.54	82	283615	20.53	ng/ul	97
23) 2-Nitrophenol	9.72	139	80096	19.94	ng/ul	98
24) 2,4-Dimethylphenol	9.79	107	160574	19.66	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.02	93	171972	19.97	ng/ul	98
27) 2,4-Dichlorophenol	10.26	162	147078	19.74	ng/ul	98
28) Naphthalene	10.65	128	415349	18.83	ng/ul	100
30) 4-Chloroaniline	10.76	127	175415	23.64	ng/ul	98
31) Hexachlorobutadiene	10.93	225	106744	18.21	ng/ul	99
32) Caprolactam	11.56	113	46739m	22.30	ng/ul	97
33) 4-Chloro-3-methylphenol	11.90	107	152677	21.07	ng/ul	97
34) 2-Methylnaphthalene	12.26	142	331707	19.68	ng/ul	97

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Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min)
36)	1,2,4,5-Tetrachlorobenzene	12.64	216	203849	17.91	ng/ul#	97
37)	Hexachlorocyclopentadiene	12.61	237	91545	15.79	ng/ul	99
38)	2,4,6-Trichlorophenol	12.89	196	139500	19.40	ng/ul	100
39)	2,4,5-Trichlorophenol	12.96	196	143364	19.11	ng/ul	99
40)	1,1'-Biphenyl	13.28	154	451069	18.55	ng/ul	97
41)	2-Chloronaphthalene	13.32	162	355229	18.49	ng/ul	96
42)	2-Nitroaniline	13.53	65	90176	19.87	ng/ul	98
44)	Dimethylphthalate	13.90	163	470226	19.48	ng/ul	99
45)	2,6-Dinitrotoluene	14.03	165	98233	20.33	ng/ul	97
47)	Acenaphthylene	14.17	152	554839	19.02	ng/ul	98
48)	3-Nitroaniline	14.36	138	88799	21.79	ng/ul	97
49)	Acenaphthene	14.52	153	374326	18.84	ng/ul	96
50)	2,4-Dinitrophenol	14.59	184	58013	19.22	ng/ul	88
52)	4-Nitrophenol	14.69	109	60388	17.56	ng/ul	98
53)	Dibenzofuran	14.85	168	551295	19.02	ng/ul	92
54)	2,4-Dinitrotoluene	14.83	165	144908	20.39	ng/ul	99
55)	2,3,4,6-Tetrachlorophenol	15.09	232	134876	19.36	ng/ul#	82
56)	Diethylphthalate	15.27	149	459578	19.60	ng/ul	96
58)	Fluorene	15.50	166	458772	19.06	ng/ul	99
59)	4-Chlorophenyl-phenylether	15.49	204	252896	18.91	ng/ul#	86
60)	4-Nitroaniline	15.53	138	96129	20.27	ng/ul	96
63)	4,6-Dinitro-2-methylphenol	15.60	198	92312	18.81	ng/ul#	88
64)	N-Nitrosodiphenylamine	15.71	169	402443	18.88	ng/ul	98
65)	4-Bromophenyl-phenylether	16.39	248	172077	18.76	ng/ul#	82
66)	Hexachlorobenzene	16.51	284	193476	18.68	ng/ul#	84
67)	Atrazine	16.66	200	165494	19.44	ng/ul	96
68)	Pentachlorophenol	16.86	266	99873	16.88	ng/ul	98
69)	Phenanthrene	17.24	178	719628	18.65	ng/ul	99
71)	Anthracene	17.33	178	756125	18.90	ng/ul	100
72)	1,2,3,4-Tetrachlorobenzene	13.25	216	203732	17.65	ng/uL	99
73)	Pentachlorobenzene	14.77	250	215092	18.21	ng/uL	99
74)	Carbazole	17.60	167	631186	18.91	ng/ul	98
75)	Di-n-butylphthalate	18.16	149	783067	20.02	ng/ul	99
76)	Fluoranthene	19.26	202	873056	18.82	ng/ul#	92
79)	Pyrene	19.62	202	887653	20.06	ng/ul#	92
80)	Butylbenzylphthalate	20.51	149	327850	20.32	ng/ul#	94
81)	3,3'-Dichlorobenzidine	21.29	252	330143	20.13	ng/ul#	98
82)	Benzo(a)anthracene	21.36	228	849770	18.94	ng/ul	99
83)	Bis(2-ethylhexyl)phthalate	21.29	149	464263	19.75	ng/ul#	95
84)	Chrysene	21.42	228	754007	18.54	ng/ul	99
86)	Di-n-octyl phthalate	22.17	149	741679	20.08	ng/ul#	100
87)	Benzo(b)fluoranthene	22.98	252	801340	18.67	ng/ul#	96
88)	Benzo(k)fluoranthene	23.02	252	784622	19.23	ng/ul#	96
90)	Benzo(a)pyrene	23.57	252	761305	18.64	ng/ul#	96
91)	Indeno(1,2,3-cd)pyrene	25.99	276	841209	17.09	ng/ul#	89
92)	Dibenzo(a,h)anthracene	26.00	278	713841	17.13	ng/ul#	93
93)	Benzo(a,h,i)perylene	26.70	276	689435	17.00	ng/ul#	89

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