

Instrument :
BNA_M
LabSampleId :
SSTD02025

Sohil
1/19/2018 9:49:54 AM

[illegible]

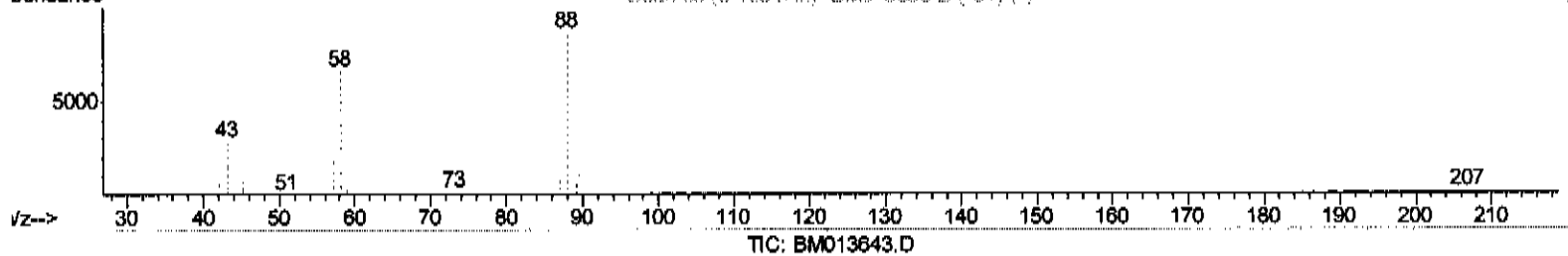
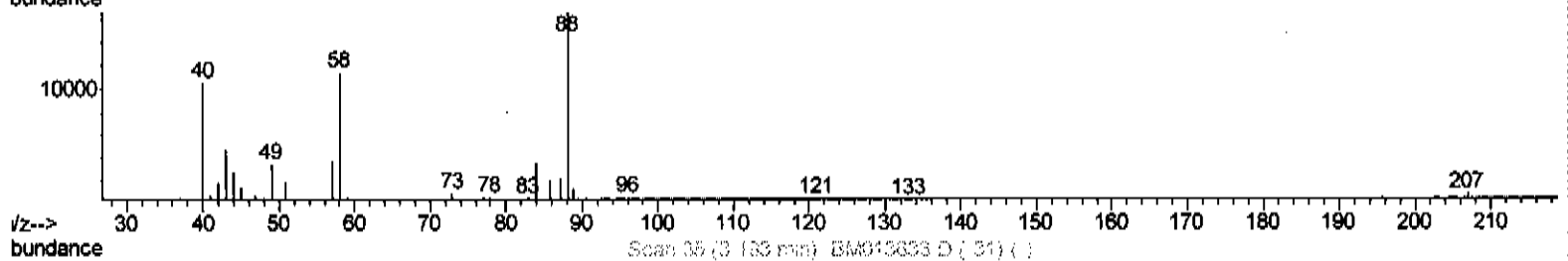
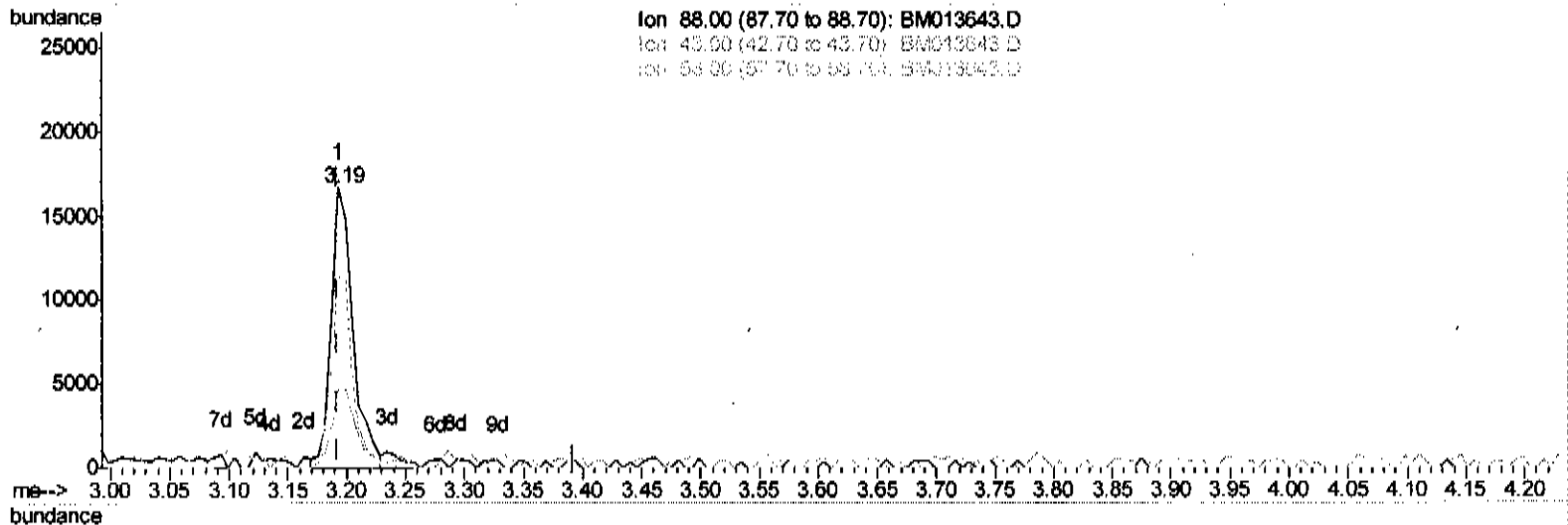
Data Path : Z:\HPCHEM1\BNA M\DATA\BM011818\
 Data File : BM013643.D
 Acq On : 18 Jan 2018 16:28
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02025

Manual Integrations
 APPROVED

Sohil
 1/19/2018 9:49:54 AM

Quant Time: Jan 19 01:05:07 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 19 01:01:05 2018
 Response via : Initial Calibration



TIC: BM013643.D

(2) 1,4-Dioxane

3.193min (+0.000) 6.47ng/uL

response 21664

Ion	Exp%	Act%
88.00	100	100
43.00	60.00	30.60#
58.00	100.00	66.40#
0.00	0.00	0.00

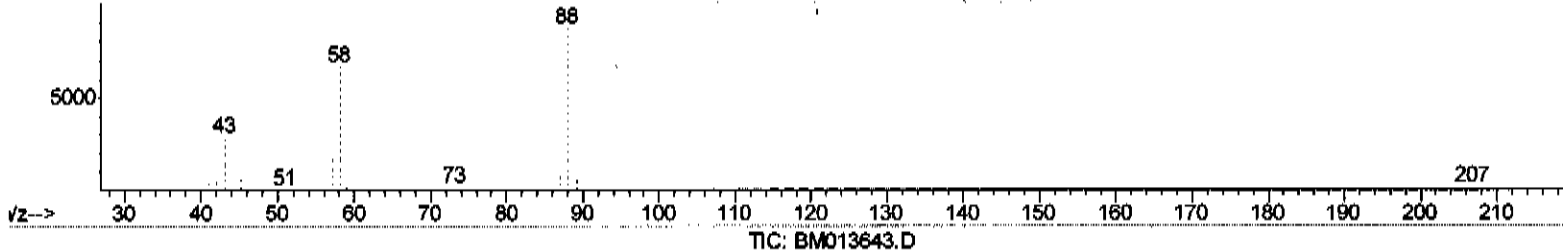
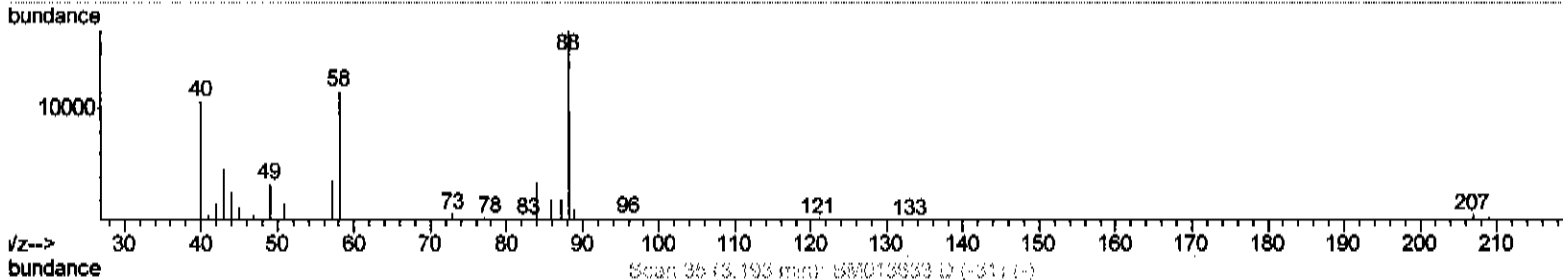
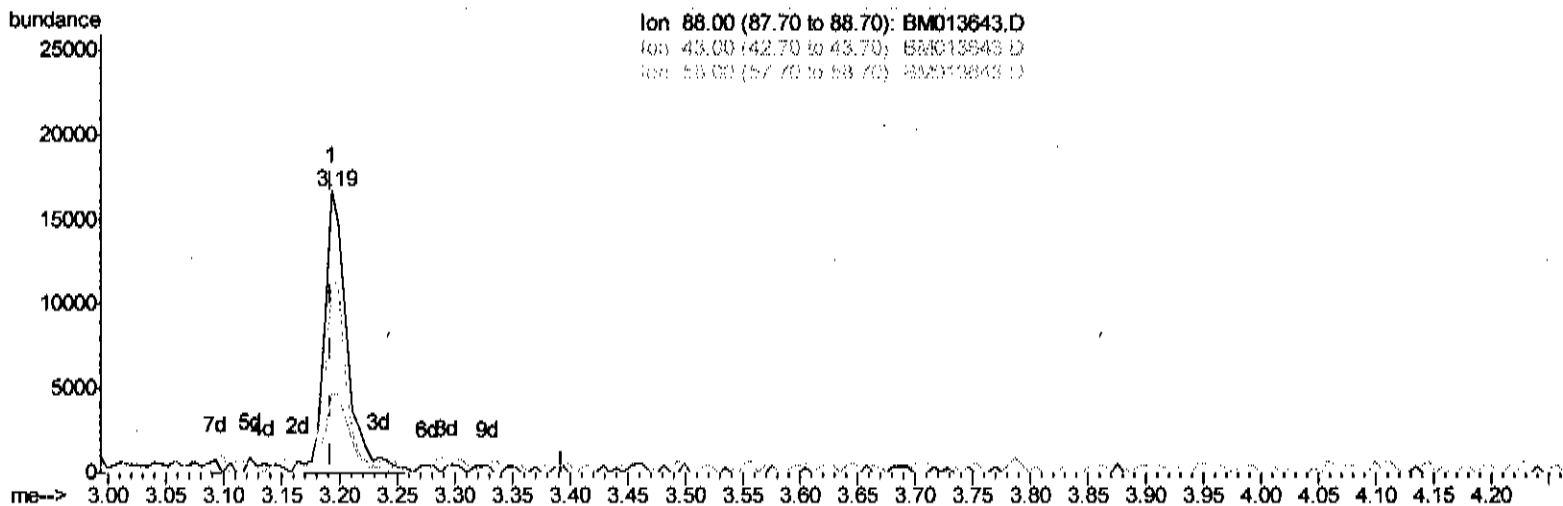
Data Path : Z:\HPCHEM1\BNA M\DATA\BM011818\
 Data File : BM013643.D
 Acq On : 18 Jan 2018 16:28
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleID :
 SSTD02025

Manual Integrations
 APPROVED

Sohil
 1/19/2018 9:49:54 AM

Quant Time: Jan 19 01:05:07 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 19 01:01:05 2018
 Response via : Initial Calibration



(2) 1,4-Dioxane

3.193min (+0.000) 6.90ng/uL m

SJ 1/19/18

response 23082

Ion	Exp%	Act%
88.00	100	100
43.00	60.00	28.72#
58.00	100.00	62.32#
0.00	0.00	0.00

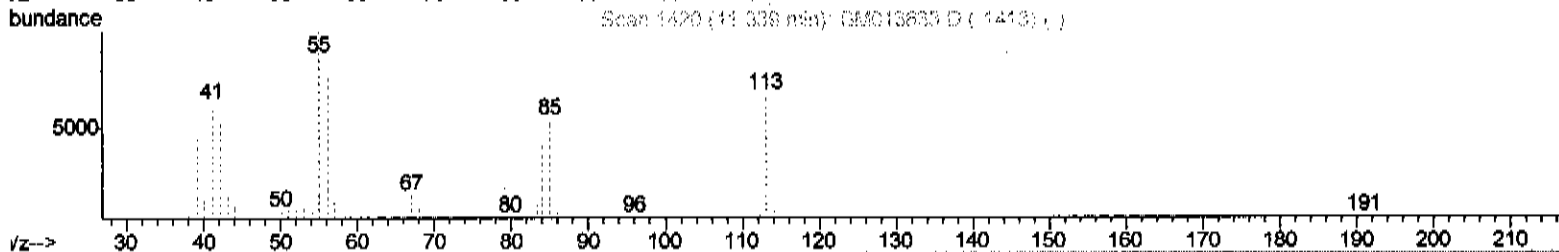
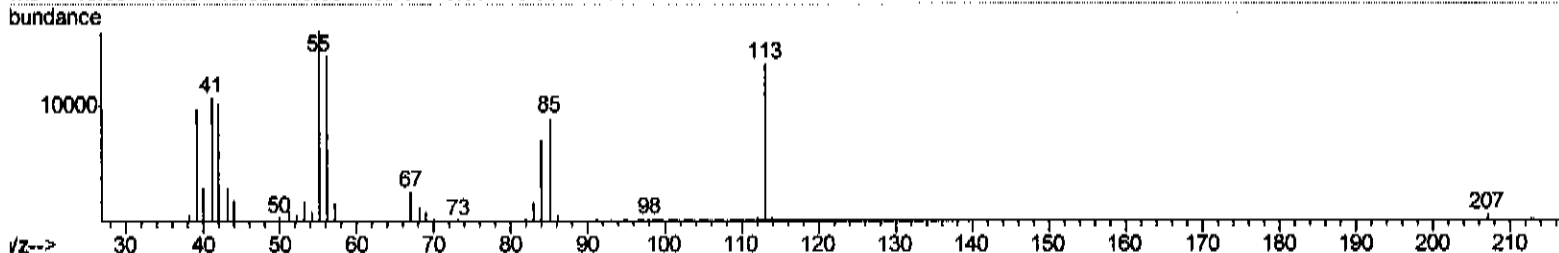
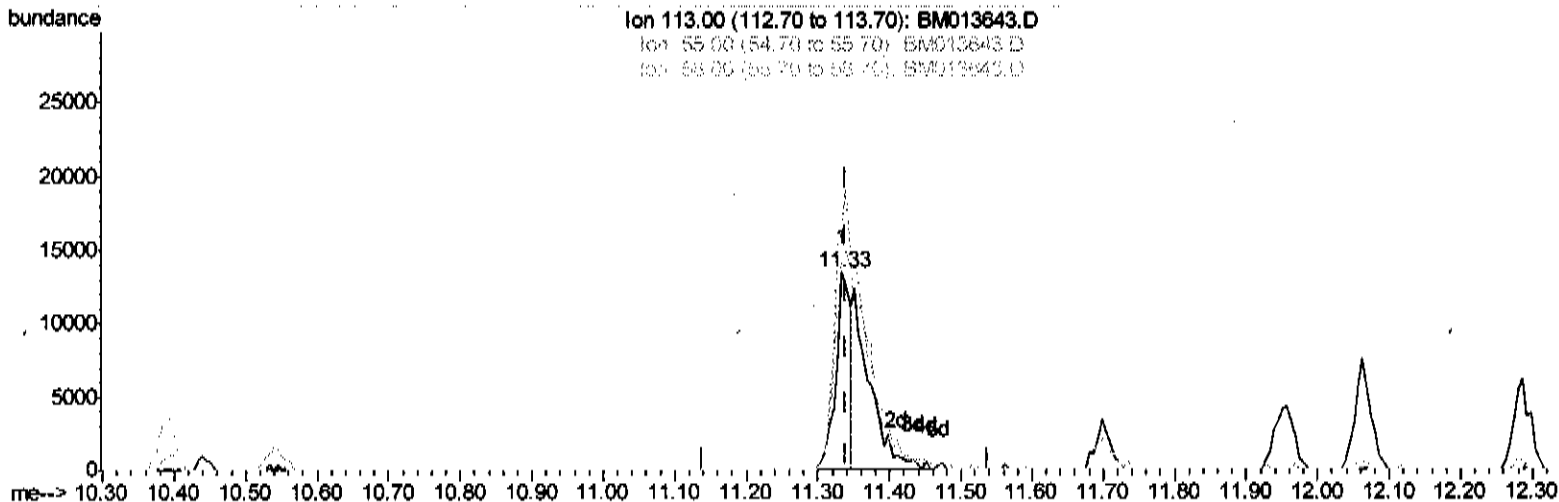
Data Path : Z:\HPCHEM1\BNA M\DATA\BM011818\
 Data File : BM013643.D
 Acq On : 18 Jan 2018 16:28
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampled :
 SSTD02025

Manual Integrations
 APPROVED

Sohil
 1/19/2018 9:49:54 AM

Quant Time: Jan 19 01:05:07 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 19 01:01:05 2018
 Response via : Initial Calibration



TIC: BM013643.D

(32) Caprolactam

11.333min (-0.006) 9.34ng/ul

response 19038

Ion	Exp%	Act%
113.00	100	100
55.00	260.00	120.68#
56.00	200.00	105.59#
0.00	0.00	0.00

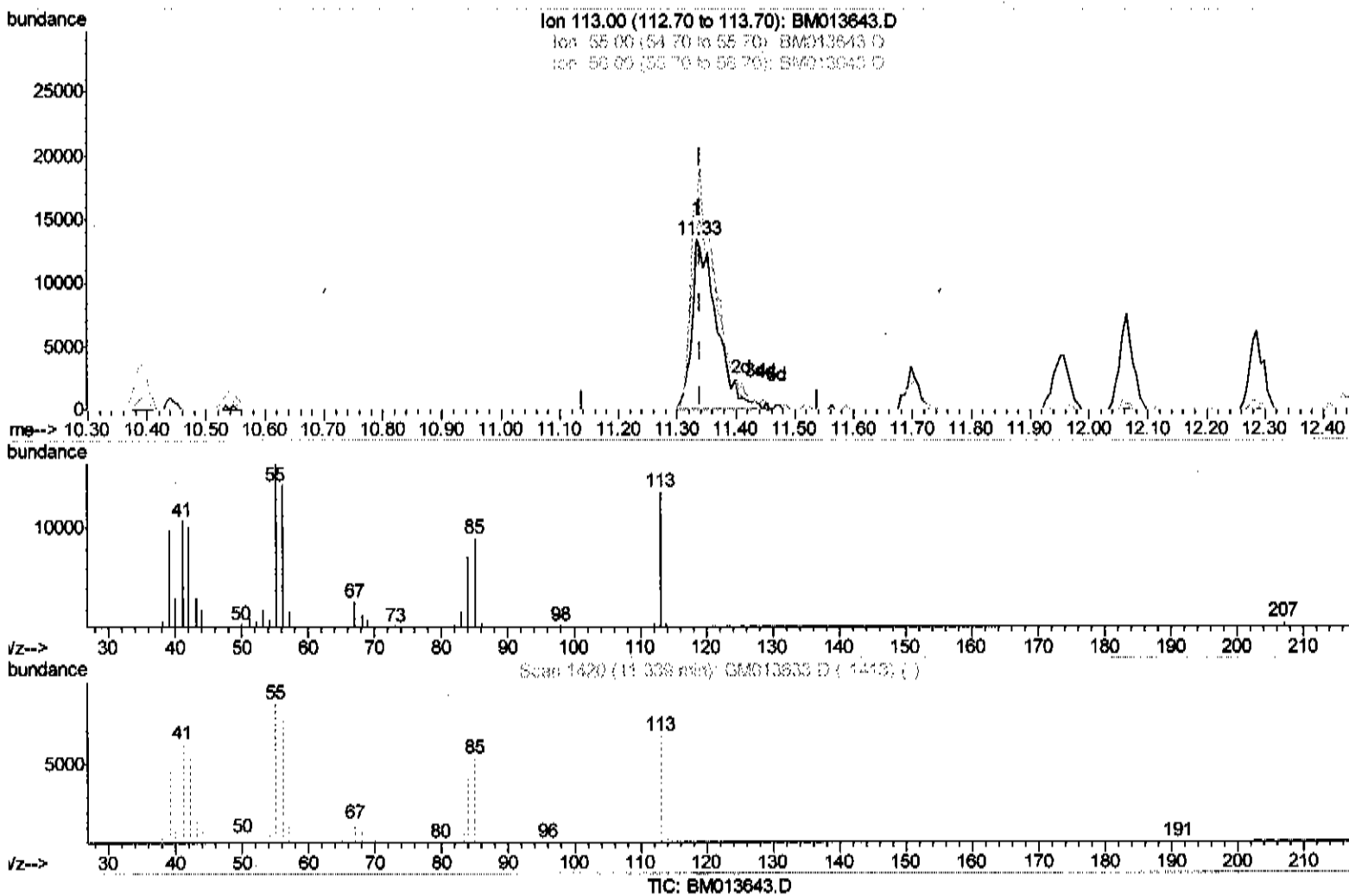
Data Path : Z:\HPCHEM1\BNA M\DATA\BM011818\
 Data File : BM013643.D
 Acq On : 18 Jan 2018 16:28
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampled :
 SSTD02025

Manual Integrations
 APPROVED

Sohil
 1/19/2018 9:49:54 AM

Quant Time: Jan 19 01:05:07 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 19 01:01:05 2018
 Response via : Initial Calibration



(32) Caprolactam

11.333min (-0.006) 19.45ng/ul m

53/1/19/18

response 39636

Ion	Exp%	Act%
113.00	100	100
55.00	260.00	120.68#
56.00	200.00	105.59#
0.00	0.00	0.00

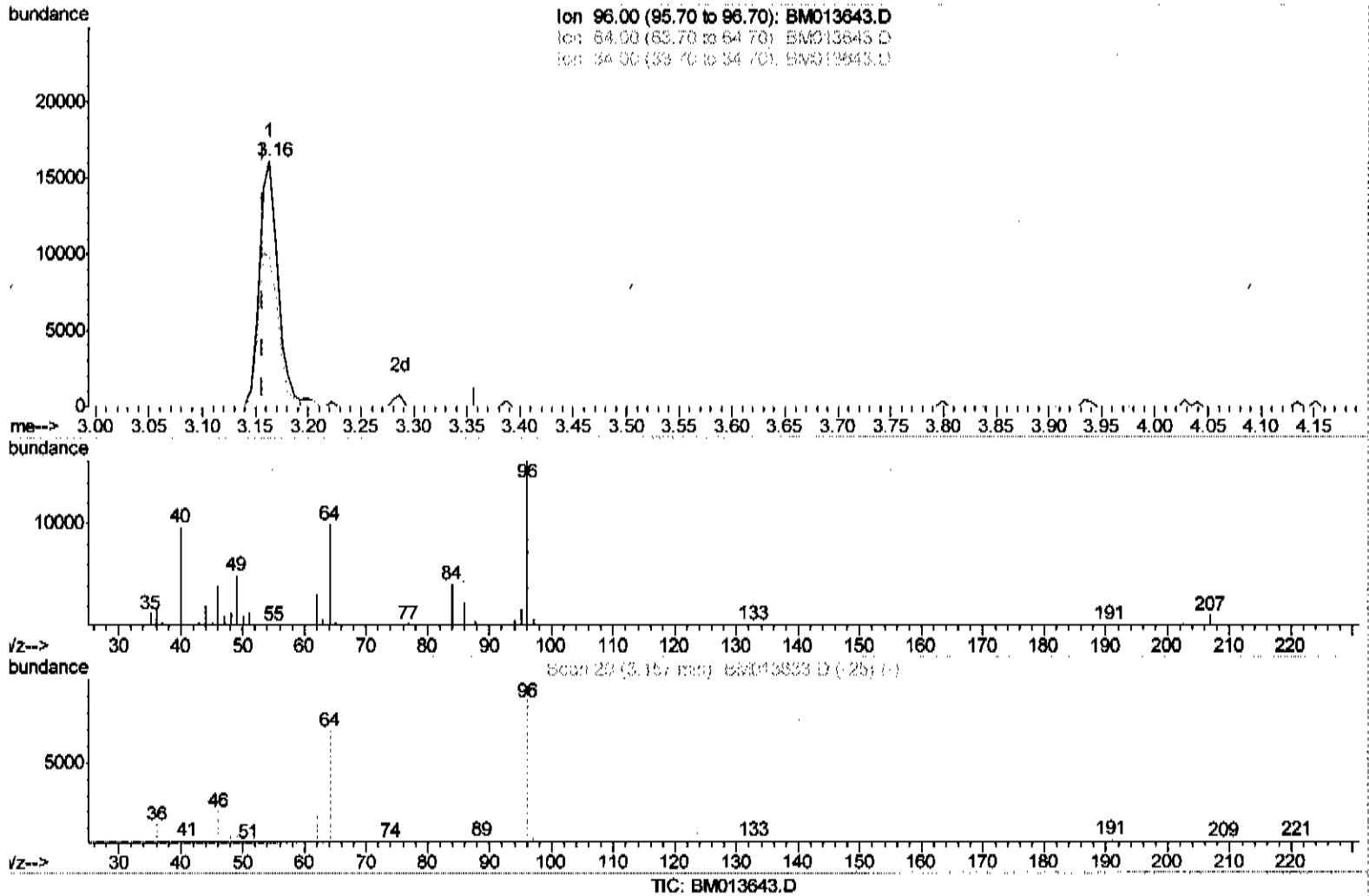
Data Path : Z:\HPCHEM1\BNA M\DATA\BM011818\
 Data File : BM013643.D
 Acq On : 18 Jan 2018 16:28
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02025

Manual Integrations
 APPROVED

Sohil
 1/19/2018 9:49:54 AM

Quant Time: Jan 19 01:05:07 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 OLast Update : Fri Jan 19 01:01:05 2018
 Response via : Initial Calibration



(3) 1,4-Dioxane-d8 (S)

3.163min (+0.006) 6.37ng/uL

response 19447

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	66.83
34.00	0.00	0.00
0.00	0.00	0.00

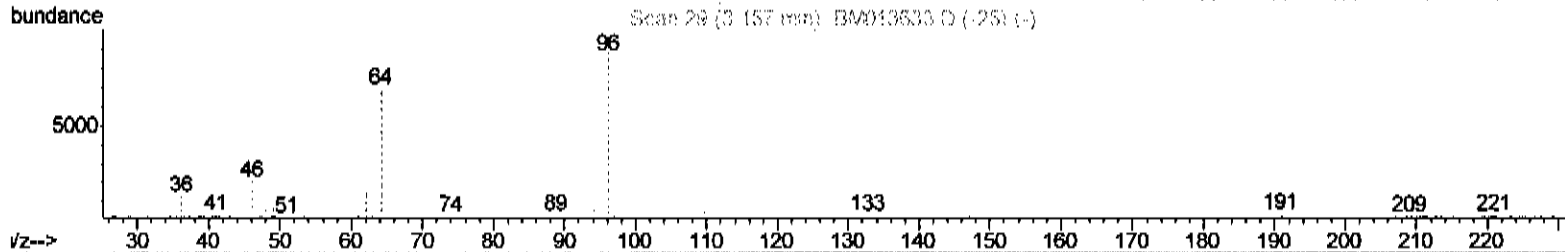
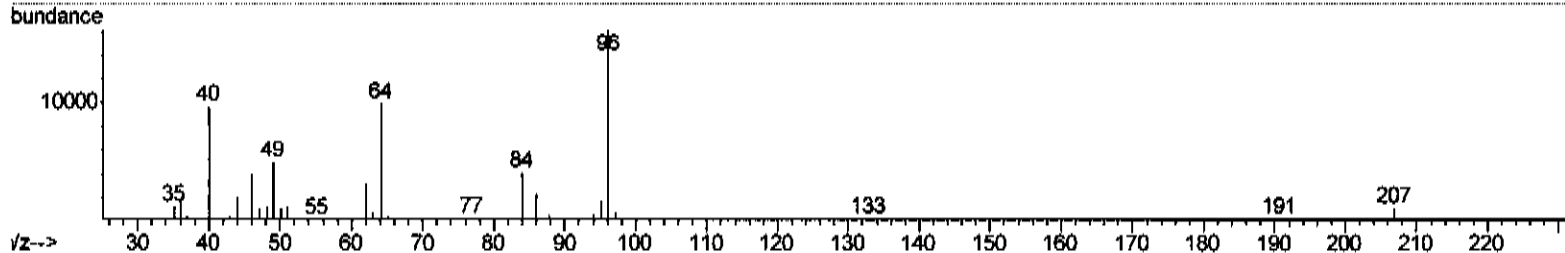
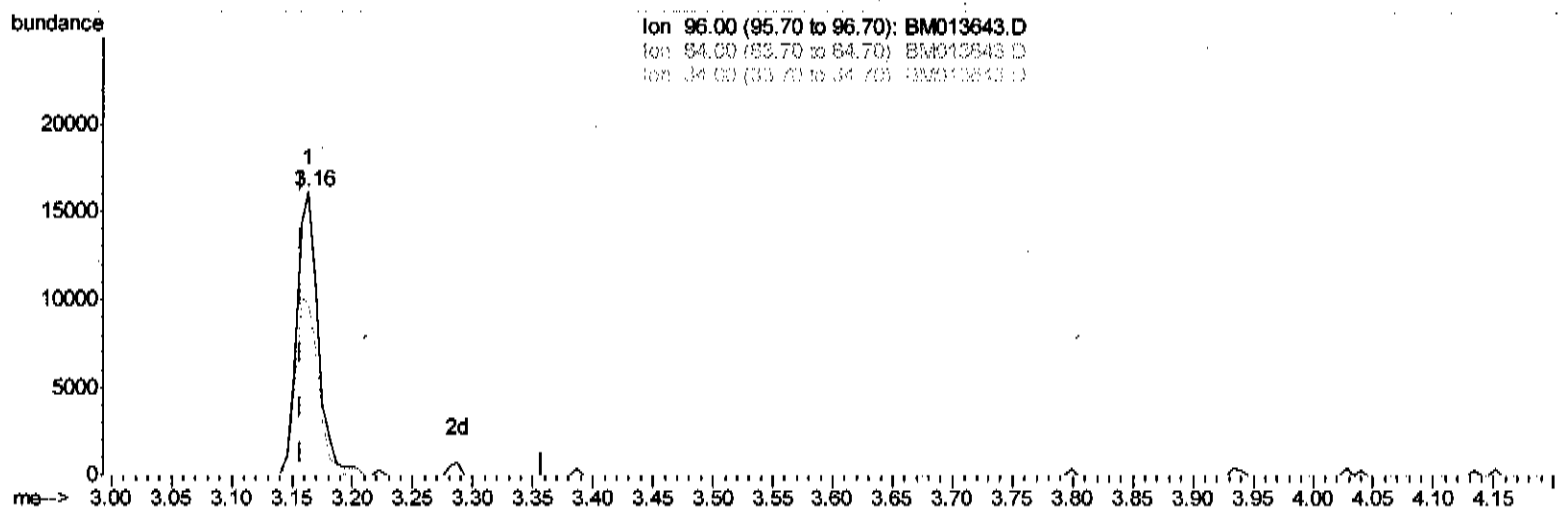
Data Path : Z:\HPCHEM1\BNA M\DATA\BM011818\
 Data File : BM013643.D
 Acq On : 18 Jan 2018 16:28
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02025

Manual Integrations
 APPROVED

Sohil
 1/19/2018 9:49:54 AM

Quant Time: Jan 19 01:05:07 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 19 01:01:05 2018
 Response via : Initial Calibration



TIC: BM013643.D

(3) 1,4-Dioxane-d8 (S)

3.163min (+0.006) 6.47ng/uL m

6.3 1/19/18

response 19757

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	65.78
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011818\
 Data File : BM013643.D
 Acq On : 18 Jan 2018 16:28
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02025

Manual Integrations
 APPROVED

Sohil
 1/19/2018 9:49:54 AM

Quant Time: Jan 19 02:47:35 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 19 01:01:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	120741	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	479760	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	274603	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	644042	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	729336	20.00	ng/ul	0.00
83) Perylene-d12	23.42	264	713586	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	19757m	6.47	ng/uL	0.00
5) Phenol-d5	6.80	99	179748	19.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	106495	18.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	154100	20.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	140242	19.68	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	72651	19.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	76058	19.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	150533	19.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	156842	23.79	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	442808	19.57	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	572380	19.83	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	68583	18.65	ng/ul	0.00
57) Fluorene-d10	15.26	176	388830	19.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	73188	18.88	ng/ul	0.00
70) Anthracene-d10	17.12	188	616582	19.66	ng/ul	0.00
76) Pyrene-d10	19.42	212	699035	20.59	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.28	264	669834	20.42	ng/ul	0.00

Target Compounds

2) 1,4-Dioxane	3.19	88	23082m	6.897	ng/uL	
4) Benzaldehyde	6.77	77	125974	19.638	ng/ul#	85
6) Phenol	6.82	94	180485	19.413	ng/ul#	89
8) Bis(2-Chloroethyl)ether	7.05	93	137006	18.833	ng/ul	98
10) 2-Chlorophenol	7.18	128	149605	19.874	ng/ul	94
11) 2-Methylphenol	8.06	108	136832	19.966	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.15	45	139179	18.802	ng/ul#	78
14) Acetophenone	8.44	105	224857	19.069	ng/ul	92
15) N-Nitroso-di-n-propylamine	8.42	70	112092	19.485	ng/ul#	71
16) 4-Methylphenol	8.39	108	146224	19.955	ng/ul	97
17) Hexachloroethane	8.67	117	68936	18.814	ng/ul#	79
20) Nitrobenzene	8.82	77	181404	18.863	ng/ul	98
21) Isophorone	9.33	82	287960	18.532	ng/ul	96
23) 2-Nitrophenol	9.52	139	79052	19.283	ng/ul#	84
24) 2,4-Dimethylphenol	9.59	107	163677	18.938	ng/ul	89
25) Bis(2-Chloroethoxy)methane	9.82	93	179682	18.969	ng/ul	95
27) 2,4-Dichlorophenol	10.05	162	144857	19.780	ng/ul#	91
28) Naphthalene	10.45	128	475727	19.932	ng/ul	100
30) 4-Chloroaniline	10.56	127	155059	23.718	ng/ul	95
31) Hexachlorobutadiene	10.72	225	113185	18.828	ng/ul	94
32) Caprolactam	11.33	113	39636m	19.455	ng/ul	
33) 4-Chloro-3-methylphenol	11.70	107	145185	19.556	ng/ul	97
34) 2-Methylnaphthalene	12.06	142	345384	19.409	ng/ul	98

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011818\
 Data File : BM013643.D
 Acq On : 18 Jan 2018 16:28
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampled :
 SSTD02025

Manual Integrations
 APPROVED

Sohil
 1/19/2018 9:49:54 AM

Quant Time: Jan 19 02:47:35 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 19 01:01:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.44	216	191296	18.801	ng/ul	96
37) Hexachlorocyclopentadiene	12.41	237	60502	14.323	ng/ul	97
38) 2,4,6-Trichlorophenol	12.69	196	124799	21.189	ng/ul	97
39) 2,4,5-Trichlorophenol	12.76	196	123686	20.182	ng/ul	97
40) 1,1'-Biphenyl	13.09	154	452935	19.815	ng/ul	97
41) 2-Chloronaphthalene	13.13	162	359821	20.138	ng/ul	95
42) 2-Nitroaniline	13.35	65	97237	19.728	ng/ul	98
44) Dimethylphthalate	13.73	163	429646	19.308	ng/ul	99
45) 2,6-Dinitrotoluene	13.86	165	84483	19.592	ng/ul#	97
47) Acenaphthylene	13.99	152	526284	19.930	ng/ul	98
48) 3-Nitroaniline	14.19	138	74417	21.943	ng/ul#	82
49) Acenaphthene	14.33	153	363889	19.897	ng/ul	98
50) 2,4-Dinitrophenol	14.41	184	38529	15.587	ng/ul	99
52) 4-Nitrophenol	14.50	109	73741	19.736	ng/ul#	80
53) Dibenzofuran	14.67	168	536128	19.487	ng/ul	100
54) 2,4-Dinitrotoluene	14.65	165	125777	20.009	ng/ul#	98
55) 2,3,4,6-Tetrachlorophenol	14.90	232	111723	19.381	ng/ul	96
56) Diethylphthalate	15.10	149	419937	18.752	ng/ul	94
58) Fluorene	15.32	166	438765	19.469	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.32	204	227150	18.653	ng/ul	97
60) 4-Nitroaniline	15.36	138	91458	23.049	ng/ul	87
63) 4,6-Dinitro-2-methylphenol	15.42	198	71919	17.576	ng/ul	93
64) N-Nitrosodiphenylamine	15.54	169	371730	19.625	ng/ul	98
65) 4-Bromophenyl-phenylether	16.22	248	148787	19.560	ng/ul	98
66) Hexachlorobenzene	16.32	284	158331	19.337	ng/ul#	89
67) Atrazine	16.50	200	143343	18.961	ng/ul	90
68) Pentachlorophenol	16.67	266	76595	17.604	ng/ul	94
69) Phenanthrene	17.06	178	709943	19.831	ng/ul	98
71) Anthracene	17.15	178	736271	19.939	ng/ul	98
72) Carbazole	17.43	167	611771	20.071	ng/ul	97
73) Di-n-butylphthalate	18.00	149	681426	19.009	ng/ul	99
74) Fluoranthene	19.09	202	840101	19.659	ng/ul#	93
77) Pvrene	19.45	202	893129	20.143	ng/ul#	95
78) Butylbenzylphthalate	20.36	149	316361	20.256	ng/ul	92
79) 3,3'-Dichlorobenzidine	21.14	252	265799	22.030	ng/ul	95
80) Benzo(a)anthracene	21.20	228	896626	20.345	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.14	149	444521	18.970	ng/ul#	97
82) Chrysene	21.26	228	815476	20.171	ng/ul	99
84) Di-n-octyl phthalate	22.01	149	753806	17.529	ng/ul	100
85) Benzo(b)fluoranthene	22.76	252	923782	21.080	ng/ul#	98
86) Benzo(k)fluoranthene	22.80	252	832498	19.654	ng/ul#	97
88) Benzo(a)pyrene	23.33	252	841069	20.316	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.62	276	964165	19.730	ng/ul#	95
90) Dibenzo(a,h)anthracene	25.63	278	820124	19.873	ng/ul#	97
91) Benzo(a,h,i)perylene	26.30	276	802587	19.955	ng/ul#	95

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