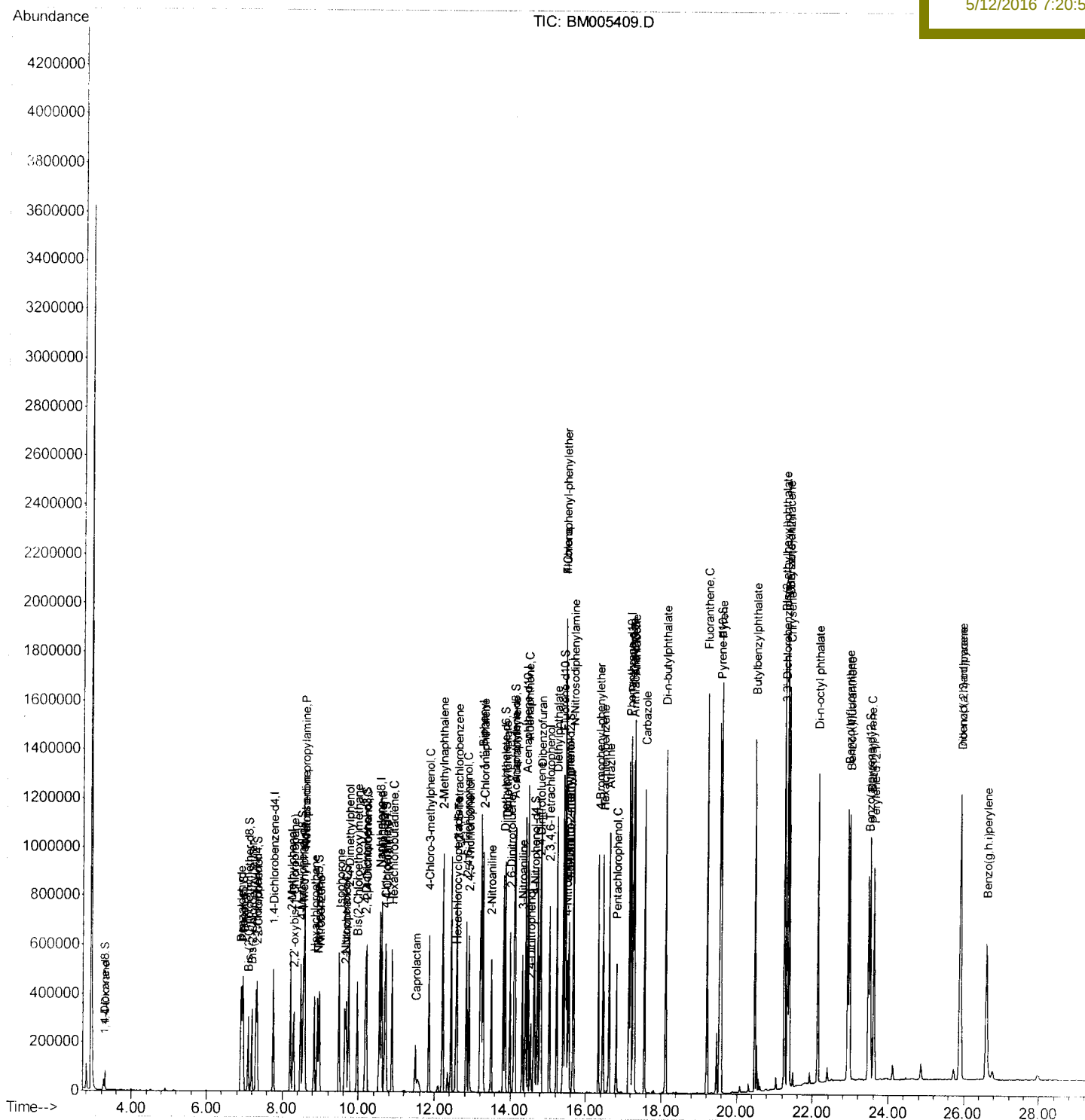


Quant Time: May 12 05:44:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 12 02:20:05 2016
Response via : Initial Calibration

Manual Integrations

sohil
5/12/2016 7:20:59 PM



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005409.D
Acq On : 12 May 2016 05:11
Operator : UM/SJ
Sample : SSTDCCC020EC

Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 05:44:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 12 02:20:05 2016
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02063

Manual Integrations
APPROVED
sohil
5/12/2016 7:20:59 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.59	216	247135	21.46	ng/ul	98
37) Hexachlorocyclopentadiene	12.56	237	103603	17.61	ng/ul	97
38) 2,4,6-Trichlorophenol	12.83	196	167709	21.86	ng/ul	95
39) 2,4,5-Trichlorophenol	12.90	196	181620	21.34	ng/ul	97
40) 1,1'-Biphenyl	13.23	154	611896	20.40	ng/ul	99
41) 2-Chloronaphthalene	13.27	162	475116	20.95	ng/ul	98
42) 2-Nitroaniline	13.49	65	157790	22.60	ng/ul	96
44) Dimethylphthalate	13.86	163	616864	20.34	ng/ul	100
45) 2,6-Dinitrotoluene	13.99	165	134958	22.57	ng/ul#	88
47) Acenaphthylene	14.13	152	780372	20.72	ng/ul	99
48) 3-Nitroaniline	14.32	138	143446	22.50	ng/ul	100
49) Acenaphthene	14.47	153	510676	20.58	ng/ul	99
50) 2,4-Dinitrophenol	14.53	184	64514	18.75	ng/ul	94
52) 4-Nitrophenol	14.64	109	92118	20.00	ng/ul	92
53) Dibenzofuran	14.80	168	729953	20.27	ng/ul	98
54) 2,4-Dinitrotoluene	14.78	165	192567	21.60	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	15.03	232	152463	21.07	ng/ul#	95
56) Diethylphthalate	15.23	149	632475	20.65	ng/ul	99
58) Fluorene	15.46	166	564748	20.06	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.44	204	283874	20.35	ng/ul	96
60) 4-Nitroaniline	15.49	138	147881m	21.89	ng/ul	95
63) 4,6-Dinitro-2-methylphenol	15.55	198	110416	22.06	ng/ul#	88
64) N-Nitrosodiphenylamine	15.66	169	515404	22.23	ng/ul	99
65) 4-Bromophenyl-phenylether	16.34	248	183784	22.64	ng/ul	97
66) Hexachlorobenzene	16.46	284	202766	22.27	ng/ul	97
67) Atrazine	16.62	200	197955	23.40	ng/ul	100
68) Pentachlorophenol	16.81	266	94665	18.71	ng/ul	96
69) Phenanthrene	17.20	178	917543	20.61	ng/ul	99
71) Anthracene	17.29	178	930081	20.96	ng/ul	100
72) Carbazole	17.56	167	834815	21.38	ng/ul	99
73) Di-n-butylphthalate	18.12	149	1041856	21.87	ng/ul	100
74) Fluoranthene	19.22	202	1007365	20.43	ng/ul	97
77) Pyrene	19.58	202	991192	24.41	ng/ul	97
78) Butylbenzylphthalate	20.47	149	424552	25.18	ng/ul	97
79) 3,3'-Dichlorobenzidine	21.26	252	266689	21.19	ng/ul	97
80) Benzo(a)anthracene	21.33	228	841160	20.89	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.24	149	557195	23.79	ng/ul	98
82) Chrysene	21.38	228	791988	20.73	ng/ul	99
84) Di-n-octyl phthalate	22.13	149	907483	24.13	ng/ul	98
85) Benzo(b)fluoranthene	22.93	252	799288	21.23	ng/ul	99
86) Benzo(k)fluoranthene	22.97	252	734675	20.73	ng/ul	99
88) Benzo(a)pyrene	23.51	252	742421	20.85	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.90	276	831659	21.41	ng/ul	97
90) Dibenzo(a,h)anthracene	25.91	278	702447	21.61	ng/ul	98
91) Benzo(g,h,i)perylene	26.60	276	707432	21.50	ng/ul	98

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005409.D
Acq On : 12 May 2016 05:11
Operator : UM/SJ
Sample : SSTDCCC020EC

Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTD02063

Quant Time: May 12 05:44:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 12 02:20:05 2016
Response via : Initial Calibration

Manual Integrations
APPROVED
sohil
5/12/2016 7:20:59 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	134370	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	613673	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	378599	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	846623	20.00	ng/ul	0.00
75) Chrysene-d12	21.34	240	700058	20.00	ng/ul	0.00
83) Perylene-d12	23.61	264	643964	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.26	96	21252	7.44	ng/uL	0.00
5) Phenol-d5	6.94	99	240785	19.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	136275	19.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	189028	20.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	196963	19.55	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	95922	21.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	112417	22.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	198588	21.54	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	262603	23.66	ng/ul	0.00
13) Dimethylphthalate-d6	13.82	166	621343	20.48	ng/ul	0.00
48) Acenaphthylene-d8	14.10	160	748921	21.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	106546	19.23	ng/ul	0.01
57) Fluorene-d10	15.40	176	530877	20.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	105950	22.25	ng/ul	0.00
70) Anthracene-d10	17.25	188	794857	21.24	ng/ul	0.00
76) Pyrene-d10	19.55	212	794999	24.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.47	264	595981	20.91	ng/ul	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.29	88	38140	7.32	ng/uL	95
4) Benzaldehyde	6.90	77	151252	25.62	ng/ul	96
6) Phenol	6.96	94	250060	19.85	ng/ul	98
8) Bis(2-Chloroethyl)ether	7.19	93	185103	19.52	ng/ul	99
10) 2-Chlorophenol	7.33	128	191829	20.37	ng/ul	98
11) 2-Methylphenol	8.20	108	193095	19.83	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.29	45	255095	19.83	ng/ul	99
14) Acetophenone	8.58	105	303306	20.32	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.57	70	154703	19.84	ng/ul	99
16) 4-Methylphenol	8.54	108	210745	19.51	ng/ul	98
17) Hexachloroethane	8.83	117	74021	20.89	ng/ul	92
20) Nitrobenzene	8.96	77	231265	21.08	ng/ul	97
21) Isophorone	9.48	82	445461	20.91	ng/ul	99
23) 2-Nitrophenol	9.67	139	117499	21.98	ng/ul	99
24) 2,4-Dimethylphenol	9.73	107	241656	21.31	ng/ul	96
25) Bis(2-Chloroethoxy)methane	9.96	93	260233	19.62	ng/ul	99
27) 2,4-Dichlorophenol	10.20	162	199185	21.10	ng/ul	98
28) Naphthalene	10.60	128	630001	20.40	ng/ul	100
30) 4-Chloroaniline	10.72	127	263507	23.28	ng/ul	98
31) Hexachlorobutadiene	10.87	225	126204	22.49	ng/ul	98
32) Caprolactam	11.49	113	70177m	19.95	ng/ul	98
33) 4-Chloro-3-methylphenol	11.85	107	238145	21.04	ng/ul	99
34) 2-Methylnaphthalene	12.21	142	463045	20.05	ng/ul	100

U.M
05/12/16

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
 Data File : BM005409.D
 Acq On : 12 May 2016 05:11
 Operator : UM/SJ
 Sample : SSTDCCC020EC

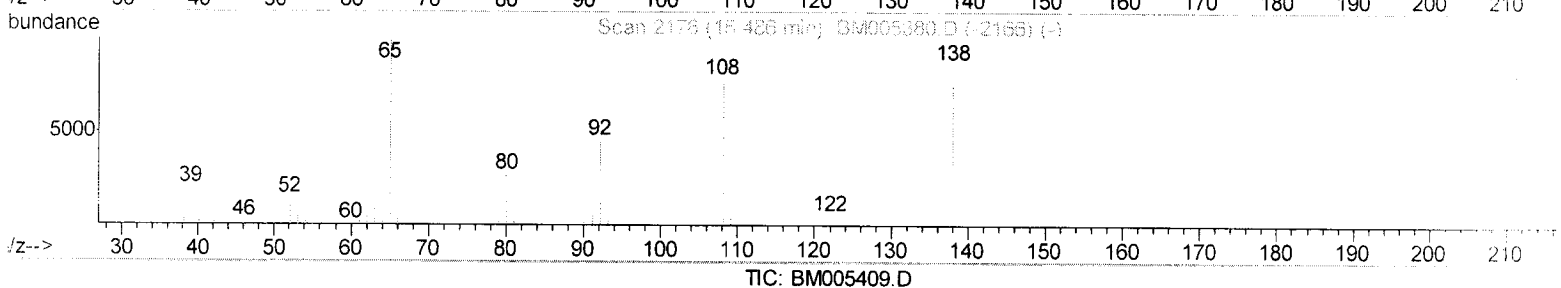
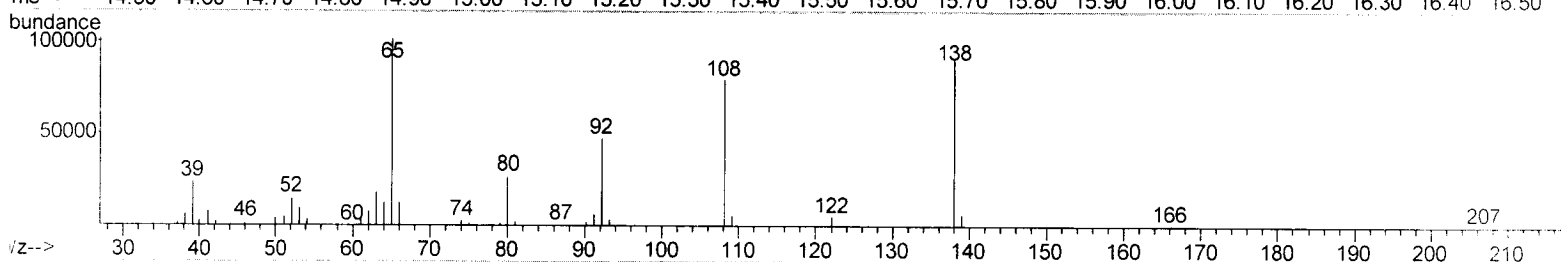
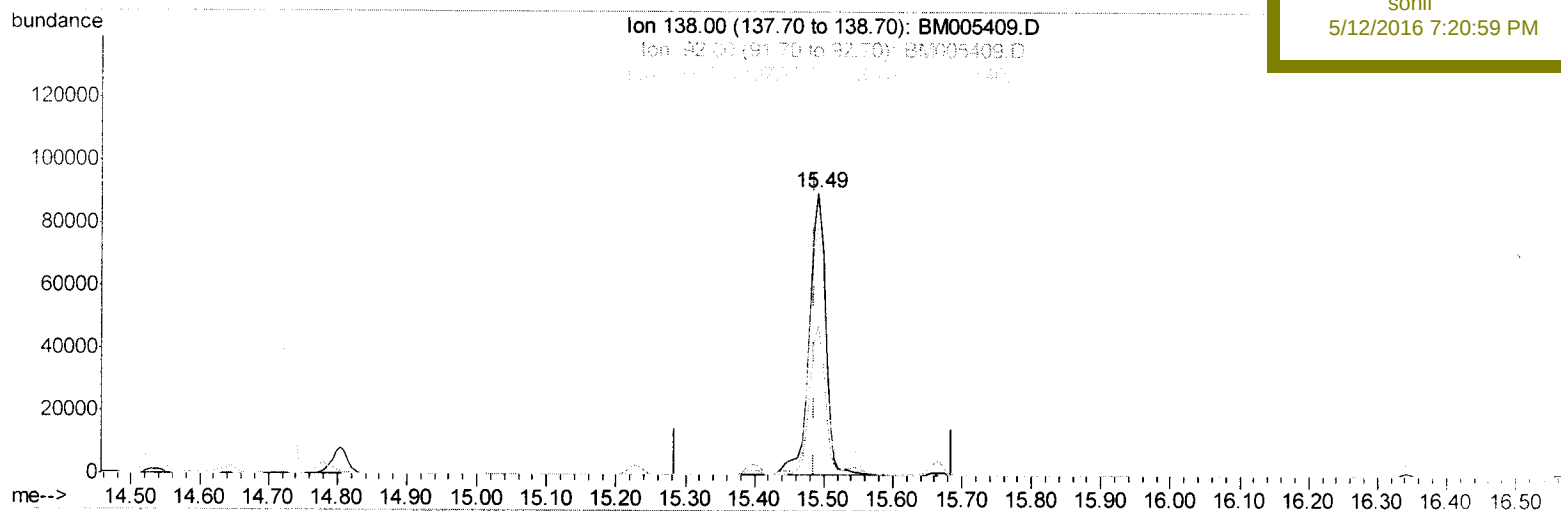
Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 05:42:21 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 02:20:05 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 LabSampleId :
 SSTD02063

Manual Integrations
 APPROVED

sohil
 5/12/2016 7:20:59 PM



(60) 4-Nitroaniline

15.492min (+0.006) 21.89ng/ul m

U.M
05/12/16

response 147881

Ion	Exp%	Act%
138.00	100	100
92.00	55.40	52.57
108.00	82.90	87.83
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005409.D
Acq On : 12 May 2016 05:11
Operator : UM/SJ
Sample : SSTDCCC020EC

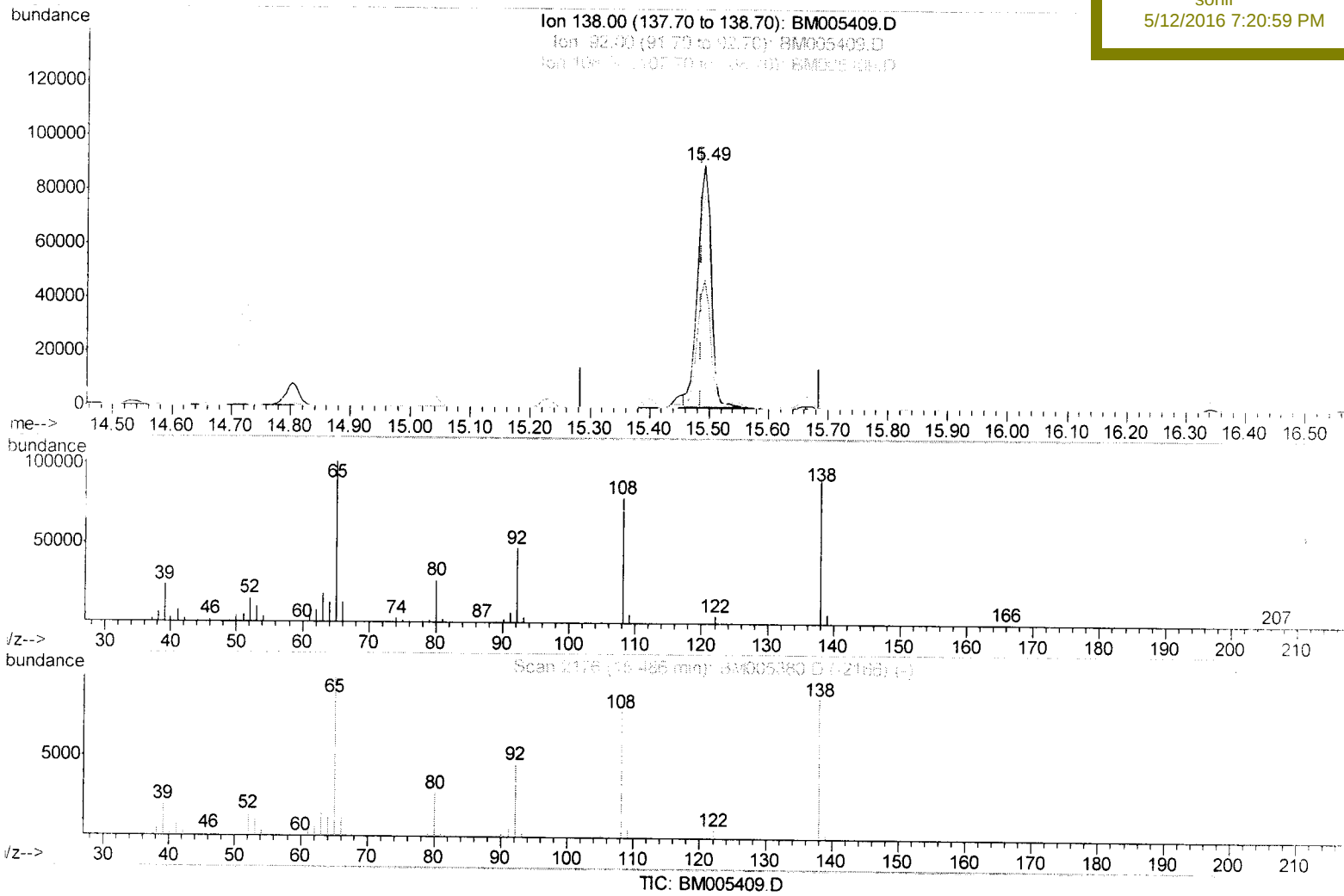
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 05:42:21 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 12 02:20:05 2016
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02063

Manual Integrations
APPROVED

sohil
5/12/2016 7:20:59 PM



(60) 4-Nitroaniline

15.492min (+0.006) 20.54ng/ul

response 138789

Ion	Exp%	Act%
138.00	100	100
92.00	55.40	52.57
108.00	82.90	87.83
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
 Data File : BM005409.D
 Acq On : 12 May 2016 05:11
 Operator : UM/SJ
 Sample : SSTDCCC020EC

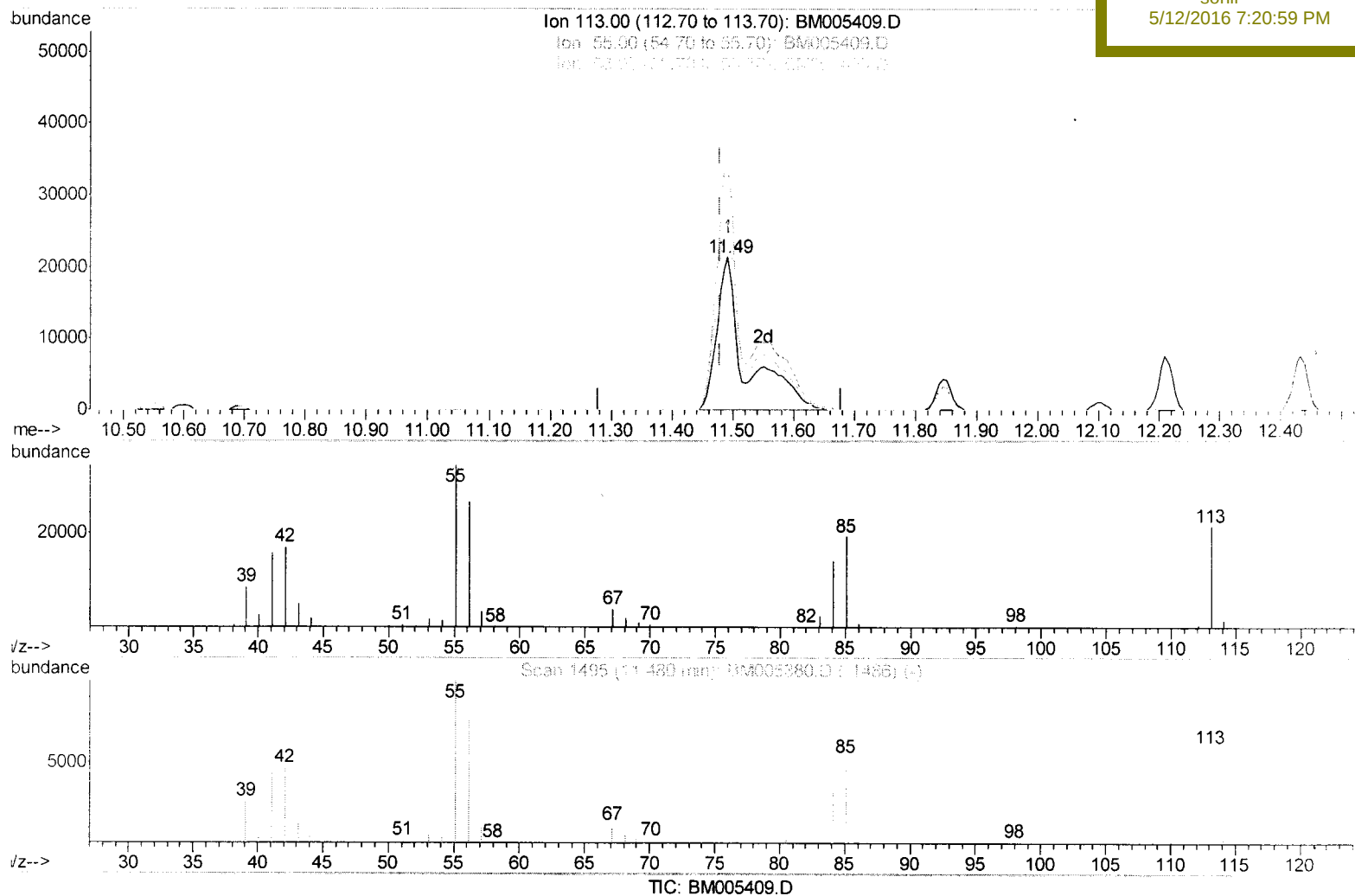
Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 05:42:21 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 Qlast Update : Thu May 12 02:20:05 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 LabSampleId :
 SSTD02063

Manual Integrations
 APPROVED

sohil
 5/12/2016 7:20:59 PM



(32) Caprolactam

11.492min (+0.012) 19.95ng/ul m

response 70177

Ion	Exp%	Act%
113.00	100	100
55.00	168.20	159.73
56.00	120.80	123.93
0.00	0.00	0.00

U.M
 05/12/16

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005409.D
Acq On : 12 May 2016 05:11
Operator : UM/SJ
Sample : SSTDCCC020EC

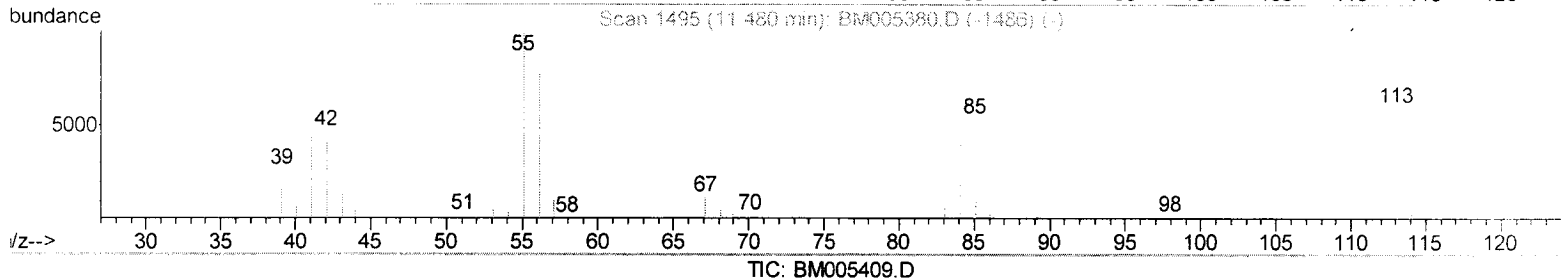
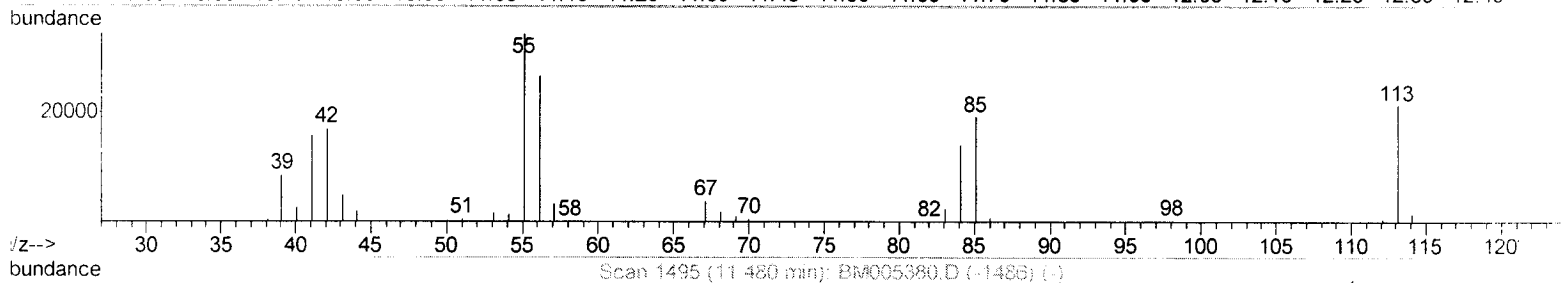
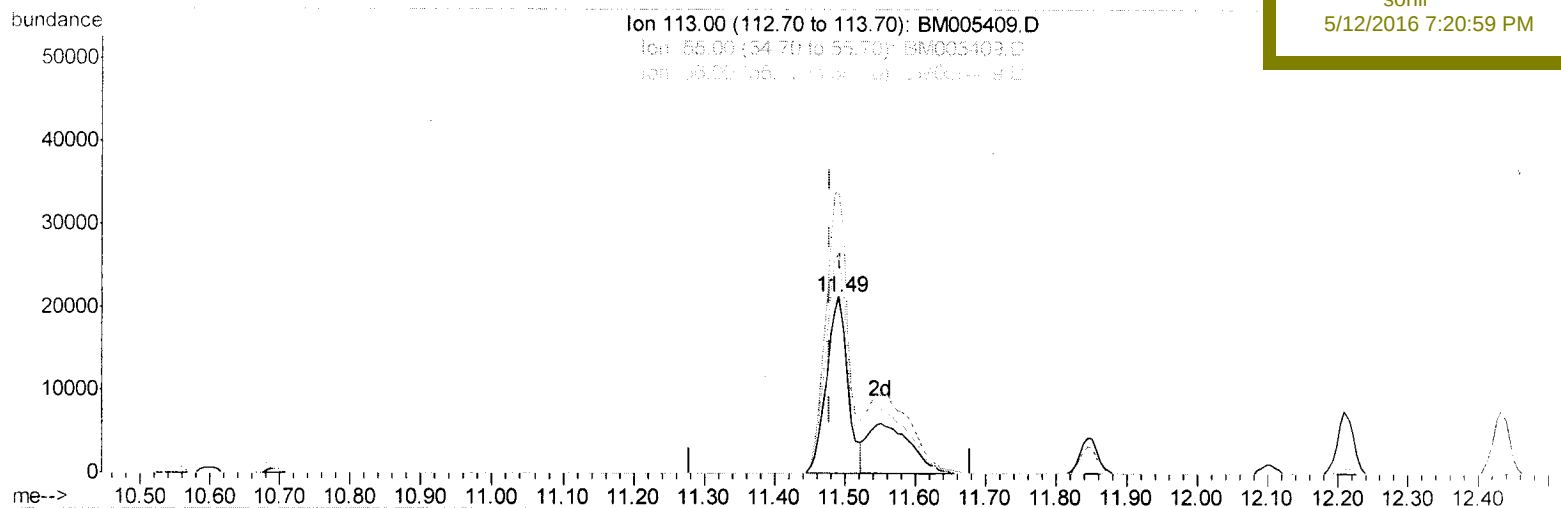
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 05:42:21 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 12 02:20:05 2016
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02063

Manual Integrations
APPROVED

sohil
5/12/2016 7:20:59 PM



TIC: BM005409.D

(32) Caprolactam

11.492min (+0.012) 12.67ng/ul

response 44573

Ion	Exp%	Act%
113.00	100	100
55.00	168.20	159.73
56.00	120.80	123.93
0.00	0.00	0.00