

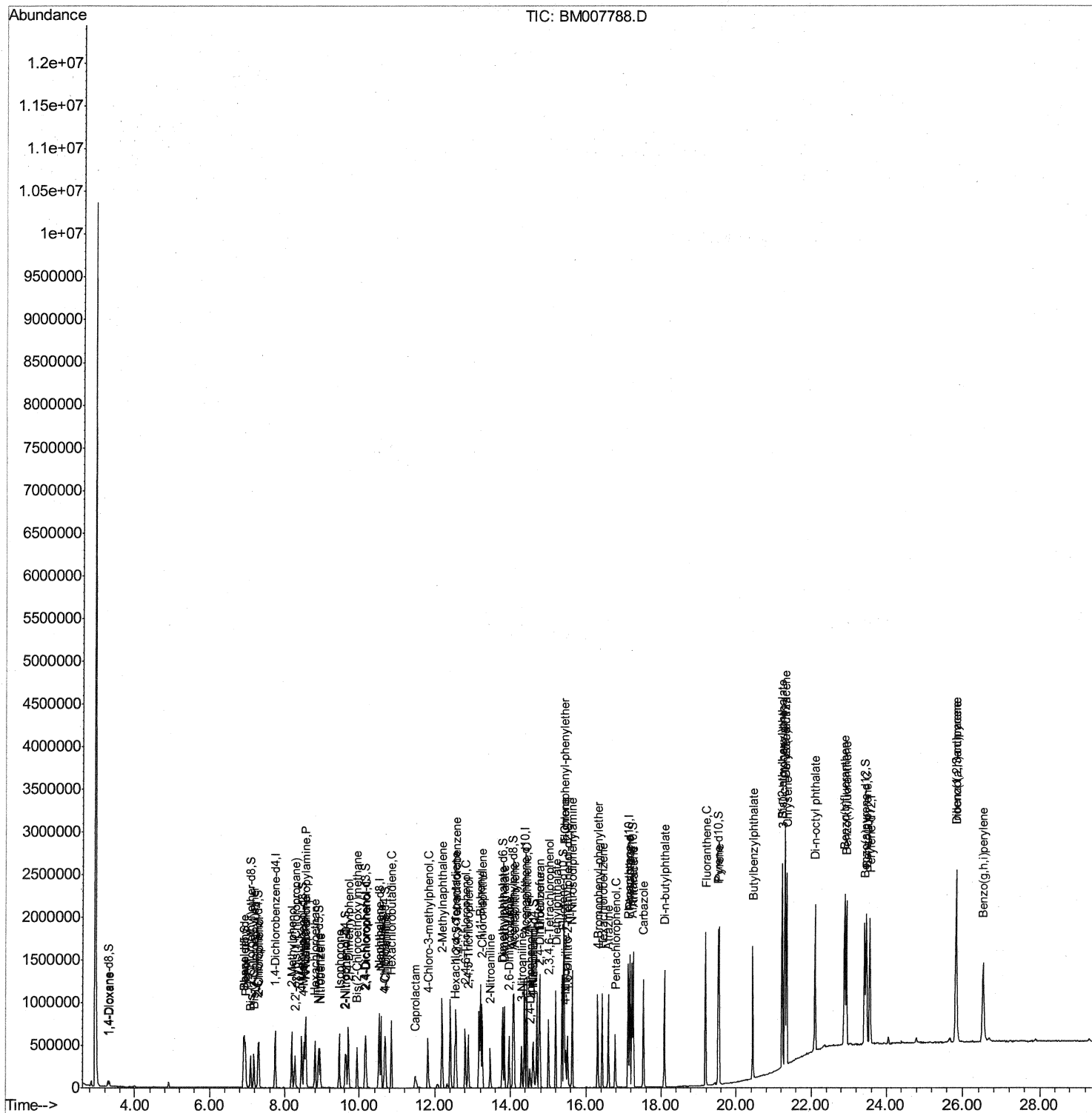
```
Data Path   : Z:\HPCHEM1\BNA_M\DATA\BM110716\  
Data File  : BM007788.D  
Acq On     : 08 Nov 2016   01:02  
Operator   : UM/SJ  
Sample     : SSTDCCC020EC  
Misc       :  
ALS Vial   : 2      Sample Multiplier: 1
```

Instrument :
BNA_M
LabSampleId :
SSTD02040

Manual Integrations APPROVED

umangi
11/8/2016 3:15:30 PM

Quant Time: Nov 08 03:35:14 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 08 03:28:55 2016
Response via : Initial Calibration



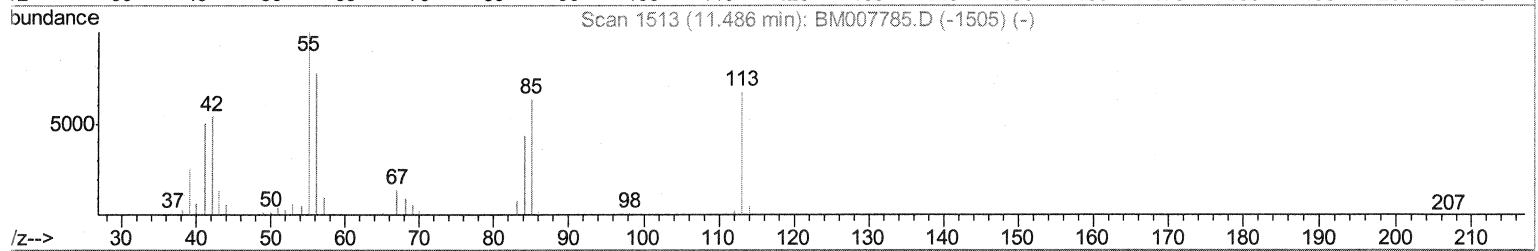
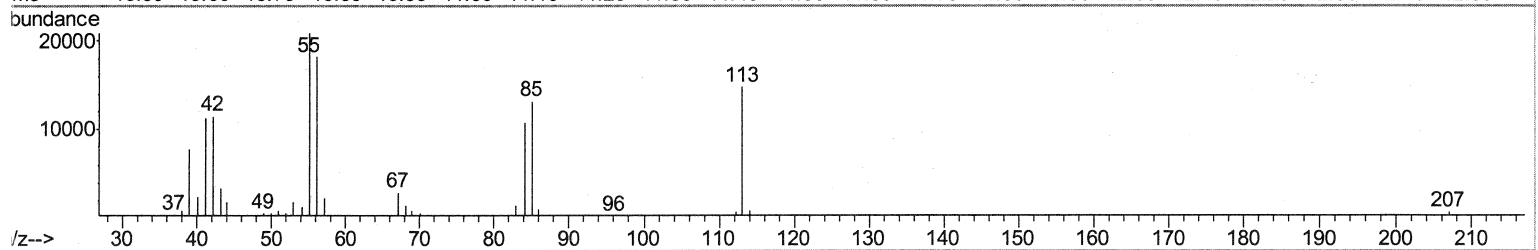
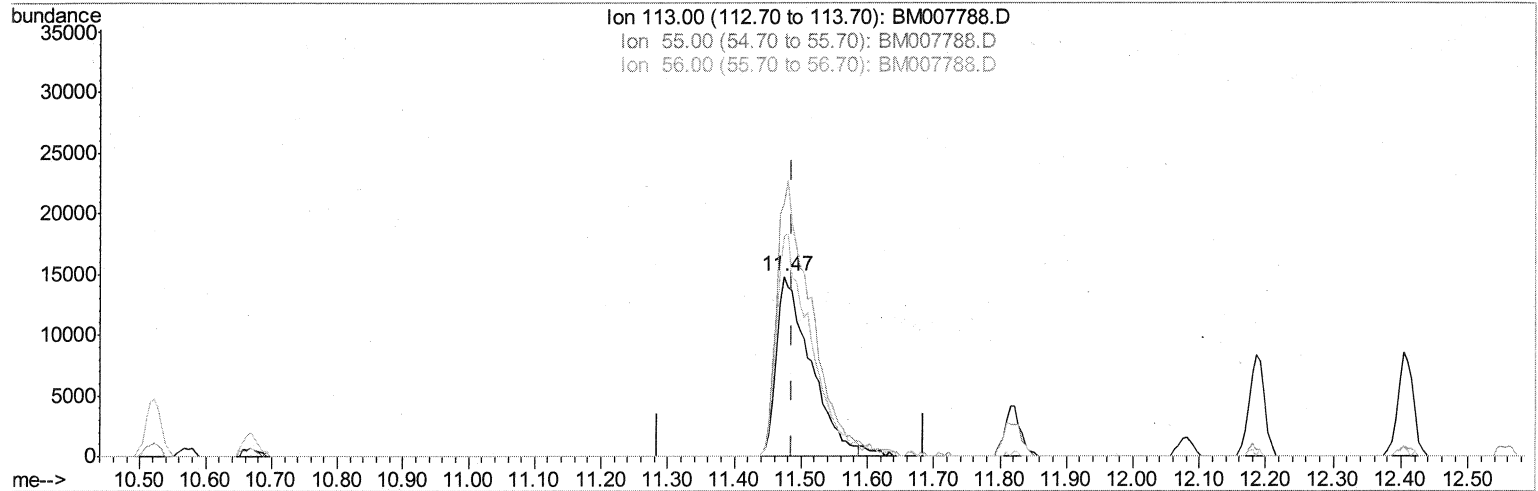
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110716\
Data File : BM007788.D
Acq On : 08 Nov 2016 01:02
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTD02040

Manual Integrations
APPROVED

umangi
11/8/2016 3:15:30 PM

Quant Time: Nov 08 03:30:40 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 08 03:28:55 2016
Response via : Initial Calibration



TIC: BM007788.D

(32) Caprolactam

11.474min (-0.012) 19.14ng/ul

response 53087

Ion	Exp%	Act%
113.00	100	100
55.00	152.40	141.27
56.00	121.70	123.09
0.00	0.00	0.00

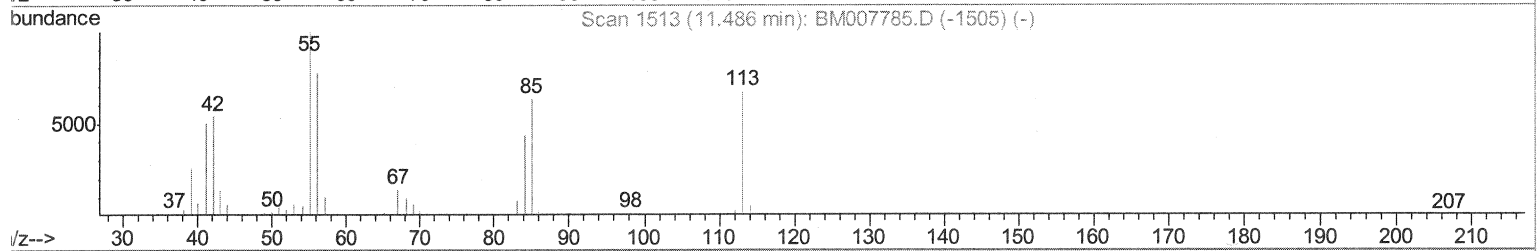
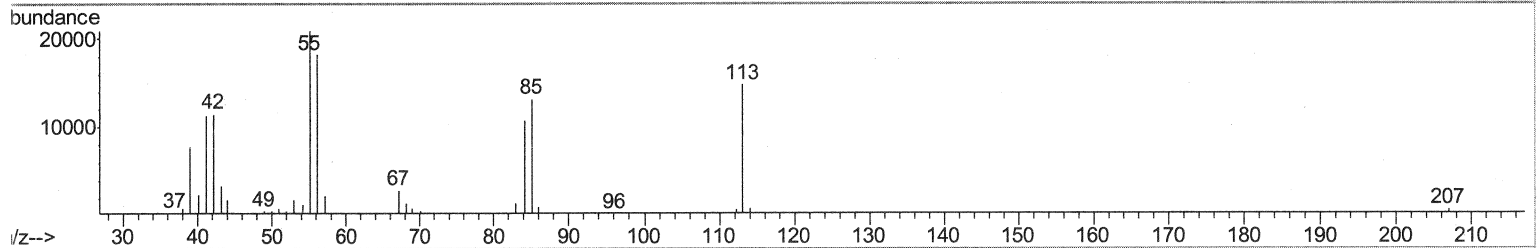
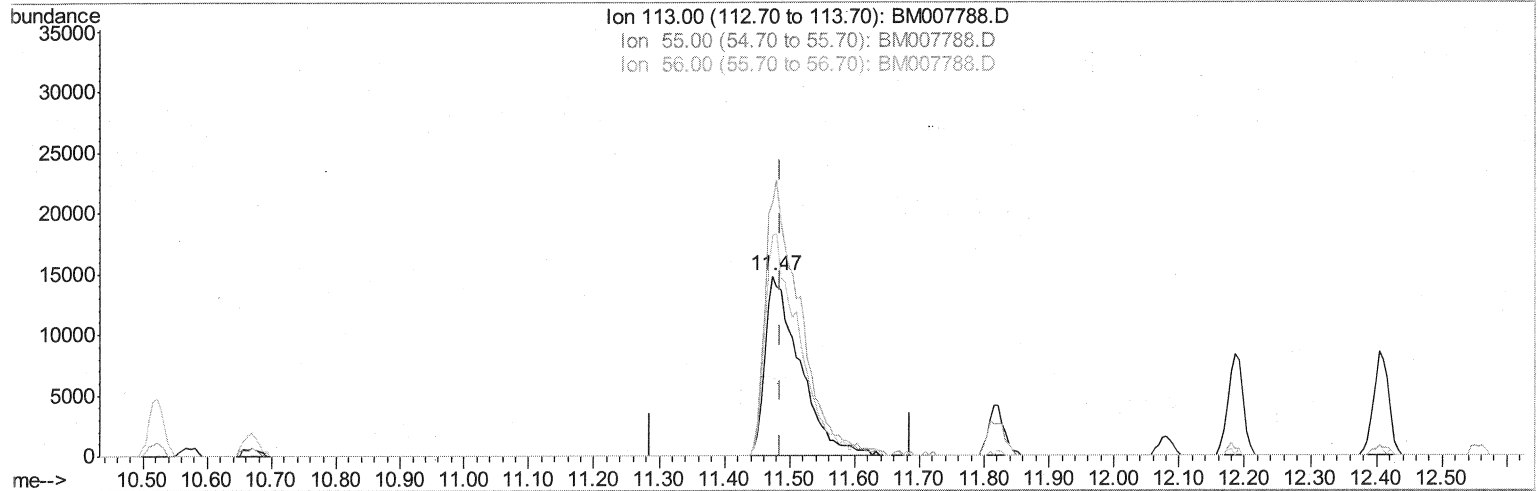
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110716\
Data File : BM007788.D
Acq On : 08 Nov 2016 01:02
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTD02040

Manual Integrations
APPROVED

umangi
11/8/2016 3:15:30 PM

Quant Time: Nov 08 03:30:40 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 08 03:28:55 2016
Response via : Initial Calibration



TIC: BM007788.D

(32) Caprolactam

11.474min (-0.012) 19.54ng/ul m

57 11/8/16

response 54202

Ion	Exp%	Act%
113.00	100	100
55.00	152.40	141.27
56.00	121.70	123.09
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110716\
 Data File : BM007788.D
 Acq On : 08 Nov 2016 01:02
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02040

Manual Integrations
 APPROVED

umangi
 11/8/2016 3:15:30 PM

Quant Time: Nov 08 03:35:14 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 08 03:28:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	177788	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	677081	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.37	164	434665	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	856148	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	1072257	20.00	ng/ul	0.00
83) Perylene-d12	23.56	264	1087501	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.29	96	33607	8.10	ng/uL	0.00
5) Phenol-d5	6.92	99	278616	20.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	168490	20.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	220414	20.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	213880	19.92	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	100754	20.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	112188	21.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	217124	21.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	258189	22.29	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	612556	20.70	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	749483	21.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	92378	19.74	ng/ul	0.00
57) Fluorene-d10	15.37	176	529718	20.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	94834	18.64	ng/ul	0.00
70) Anthracene-d10	17.22	188	814728	21.12	ng/ul	0.00
76) Pyrene-d10	19.52	212	926708	21.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.42	264	993013	20.92	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	36281	8.00	ng/uL	98
4) Benzaldehyde	6.90	77	192735	22.21	ng/ul	98
6) Phenol	6.95	94	281703	20.00	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.17	93	221828	20.44	ng/ul	98
10) 2-Chlorophenol	7.31	128	223858	20.73	ng/ul	95
11) 2-Methylphenol	8.19	108	205001	19.99	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.27	45	248747	20.68	ng/ul	98
14) Acetophenone	8.56	105	343794	20.42	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.55	70	175088	20.96	ng/ul	96
16) 4-Methylphenol	8.51	108	220889	20.00	ng/ul	96
17) Hexachloroethane	8.81	117	100042	20.97	ng/ul	98
20) Nitrobenzene	8.94	77	267739	21.36	ng/ul	97
21) Isophorone	9.46	82	452634	21.11	ng/ul	99
23) 2-Nitrophenol	9.65	139	116084	21.51	ng/ul	96
24) 2,4-Dimethylphenol	9.70	107	262687	21.33	ng/ul	99
25) Bis(2-Chloroethoxy)methane	9.94	93	270529	20.63	ng/ul	98
27) 2,4-Dichlorophenol	10.17	162	212449	21.24	ng/ul	99
28) Naphthalene	10.57	128	680198	20.65	ng/ul	100
30) 4-Chloroaniline	10.69	127	263128	22.37	ng/ul	98
31) Hexachlorobutadiene	10.85	225	173175	21.25	ng/ul	98
32) Caprolactam	11.47	113	54202m	19.54	ng/ul	
33) 4-Chloro-3-methylphenol	11.82	107	223826	21.34	ng/ul	92
34) 2-Methylnaphthalene	12.19	142	483490	20.64	ng/ul	100

SJ 11/8/16

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110716\
 Data File : BM007788.D
 Acq On : 08 Nov 2016 01:02
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleID :
 SSTD02040

Manual Integrations
 APPROVED

umangi
 11/8/2016 3:15:30 PM

Quant Time: Nov 08 03:35:14 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 08 03:28:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.56	216	293887	20.94	ng/ul	97
37) Hexachlorocyclopentadiene	12.53	237	131302	15.89	ng/ul	99
38) 2,4,6-Trichlorophenol	12.80	196	165380	21.19	ng/ul	98
39) 2,4,5-Trichlorophenol	12.88	196	177646	20.78	ng/ul	98
40) 1,1'-Biphenyl	13.20	154	633469	20.67	ng/ul	100
41) 2-Chloronaphthalene	13.25	162	486448	20.75	ng/ul	99
42) 2-Nitroaniline	13.46	65	134991	21.70	ng/ul	96
44) Dimethylphthalate	13.84	163	585229	20.36	ng/ul	99
45) 2,6-Dinitrotoluene	13.96	165	113591	21.01	ng/ul	88
47) Acenaphthylene	14.10	152	749373	20.75	ng/ul	99
48) 3-Nitroaniline	14.30	138	114001	21.32	ng/ul	97
49) Acenaphthene	14.44	153	514486	20.64	ng/ul	98
50) 2,4-Dinitrophenol	14.52	184	54813	16.46	ng/ul#	87
52) 4-Nitrophenol	14.61	109	88217	19.01	ng/ul	98
53) Dibenzofuran	14.77	168	740006	20.68	ng/ul	96
54) 2,4-Dinitrotoluene	14.76	165	167851	21.52	ng/ul	94
55) 2,3,4,6-Tetrachlorophenol	15.01	232	158254	20.76	ng/ul	97
56) Diethylphthalate	15.20	149	582829	20.48	ng/ul	98
58) Fluorene	15.43	166	599461	20.98	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.42	204	314219	20.63	ng/ul	97
60) 4-Nitroaniline	15.46	138	111428	20.67	ng/ul	95
63) 4,6-Dinitro-2-methylphenol	15.52	198	97673	18.59	ng/ul#	98
64) N-Nitrosodiphenylamine	15.64	169	510986	20.88	ng/ul	98
65) 4-Bromophenyl-phenylether	16.32	248	199483	20.43	ng/ul	98
66) Hexachlorobenzene	16.43	284	222845	20.60	ng/ul	96
67) Atrazine	16.59	200	192538	20.42	ng/ul	97
68) Pentachlorophenol	16.78	266	115627	19.07	ng/ul	97
69) Phenanthrene	17.17	178	929694	20.43	ng/ul	99
71) Anthracene	17.26	178	957140	20.65	ng/ul	100
72) Carbazole	17.53	167	833440	20.77	ng/ul	99
73) Di-n-butylphthalate	18.09	149	956405	21.41	ng/ul	99
74) Fluoranthene	19.19	202	1103434	20.73	ng/ul	99
77) Pyrene	19.55	202	1155724	20.86	ng/ul	99
78) Butylbenzylphthalate	20.44	149	425117	21.57	ng/ul	94
79) 3,3'-Dichlorobenzidine	21.23	252	406504	21.35	ng/ul	99
80) Benzo(a)anthracene	21.30	228	1188887	20.75	ng/ul	100
81) Bis(2-ethylhexyl)phthalate	21.22	149	631955	21.77	ng/ul	100
82) Chrysene	21.35	228	1150874	20.90	ng/ul	99
84) Di-n-octyl phthalate	22.10	149	1129341	20.48	ng/ul	99
85) Benzo(b)fluoranthene	22.89	252	1286435	20.71	ng/ul	99
86) Benzo(k)fluoranthene	22.93	252	1182093	20.68	ng/ul	99
88) Benzo(a)pyrene	23.46	252	1226436	20.96	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.83	276	1497497	21.36	ng/ul	99
90) Dibenzo(a,h)anthracene	25.84	278	1262992	21.36	ng/ul	99
91) Benzo(g,h,i)perylene	26.53	276	1254120	21.30	ng/ul	98

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