

(QT Reviewed)

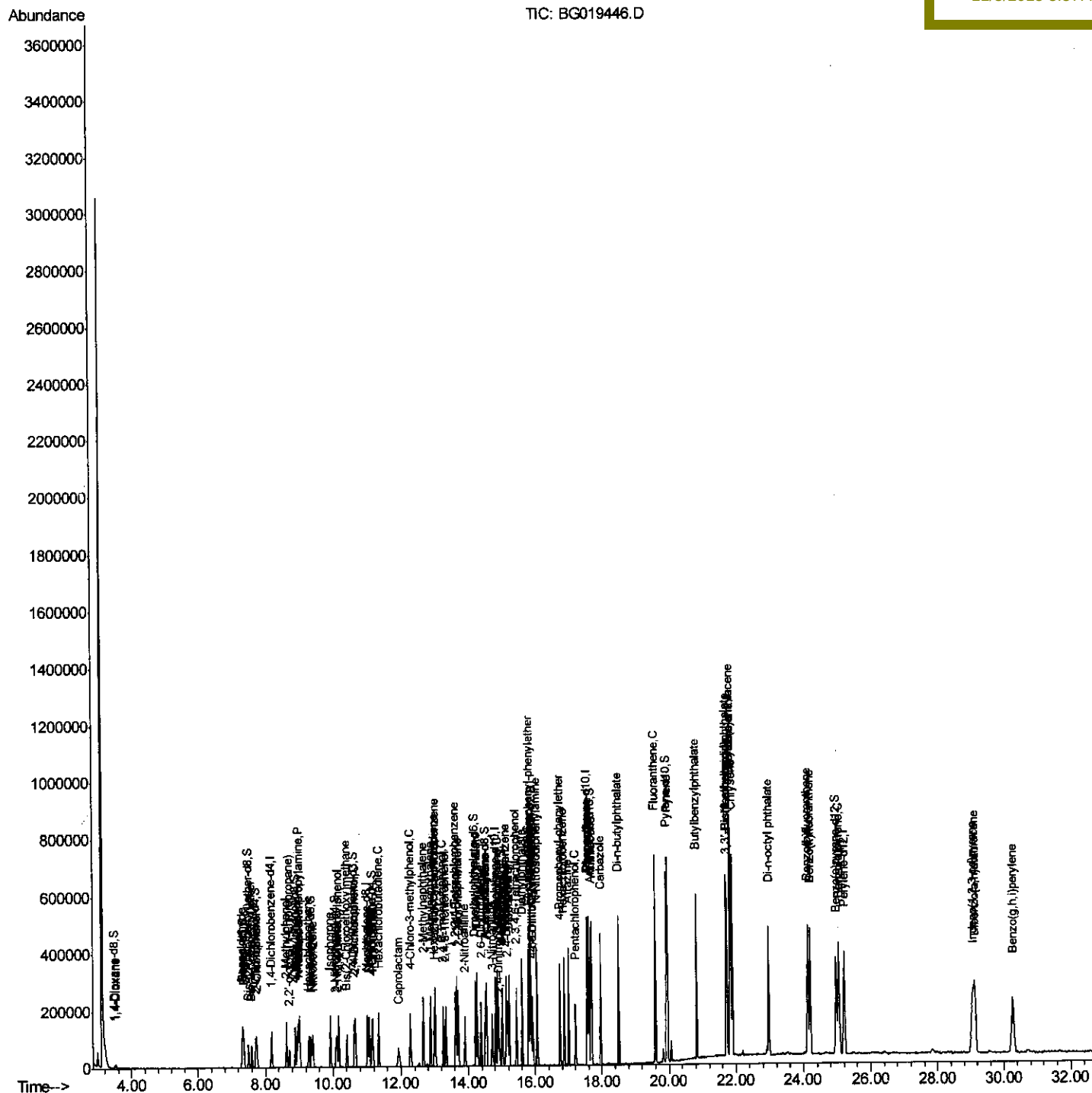
```
Data Path   : Z:\HPCHEM1\BNA_G\DATA\BG110215\  
Data File  : BG019446.D  
Acq On     : 2 Nov 2015 23:52  
Operator   : UM/NP  
Sample     : SSTDCCC020EC  
Misc       :  
ALS Vial   : 2      Sample Multiplier: 1
```

Instrument :
BNA_G
LabSampleId :
SSTD02027

Quant Time: Nov 03 01:13:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 03 00:57:47 2015
Response via : Initial Calibration

Manual Integrations

Mmdadoda
11/3/2015 5:57:43 PM



Quantitation Report (Qedit)

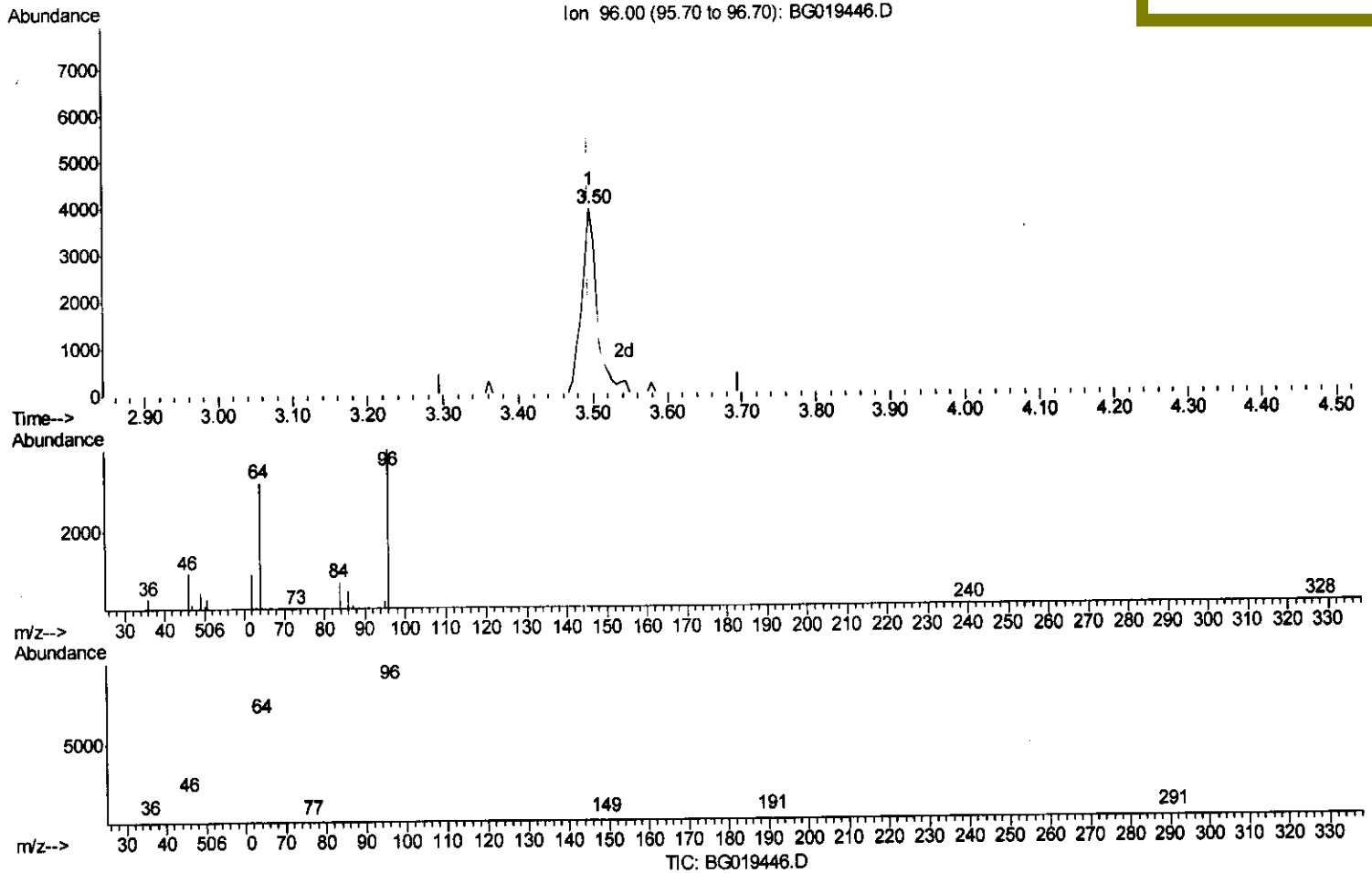
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110215\
 Data File : BG019446.D
 Acq On : 2 Nov 2015 23:52
 Operator : UM/NP
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02027

Quant Time: Nov 03 00:59:40 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 03 00:57:47 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/3/2015 5:57:43 PM



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

3.496min (+0.000) 7.88ng/uL

response 5403

Ion	Exp%	Act%
96.00	100	100
64.00	60.60	79.69#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

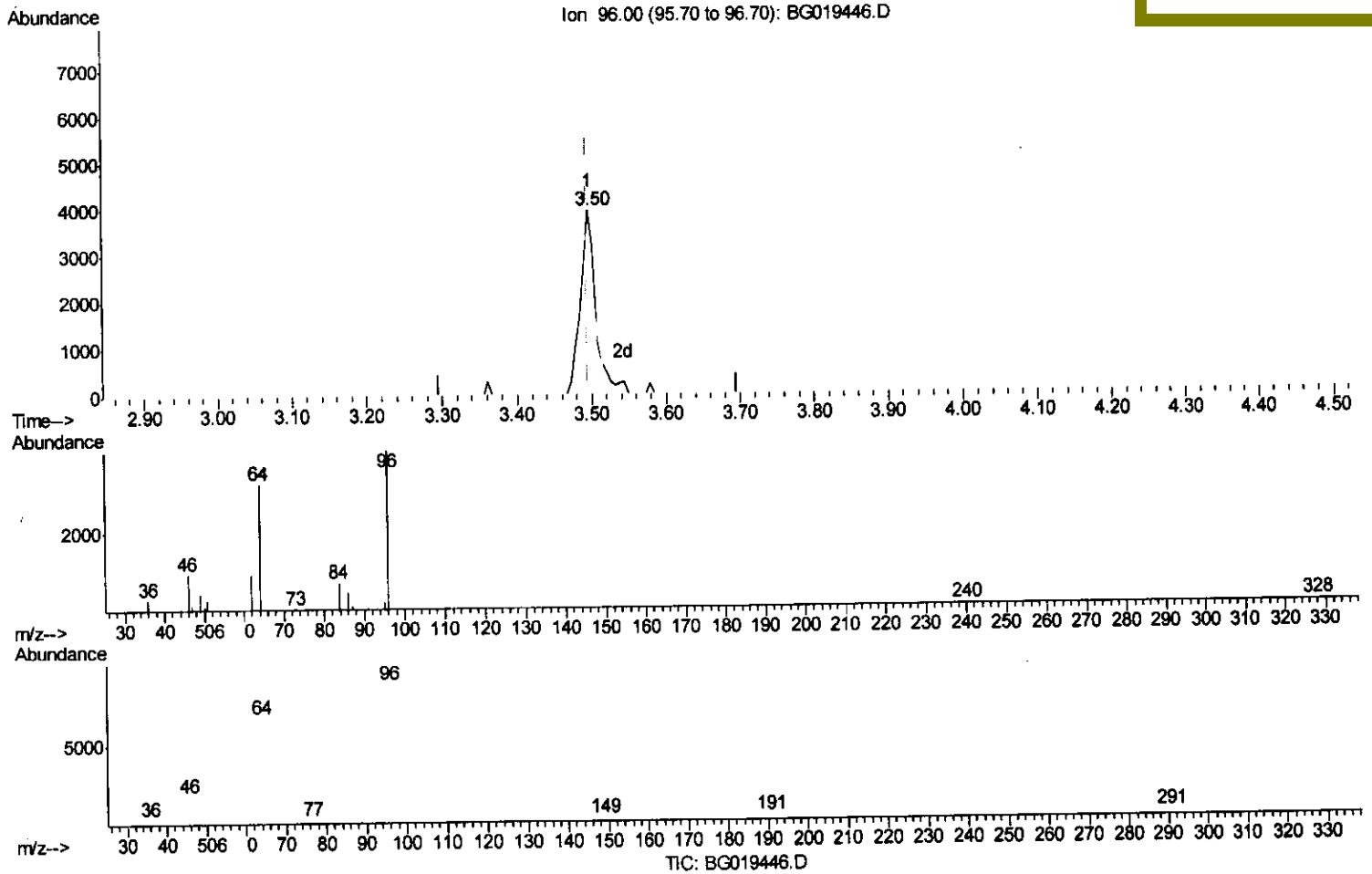
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110215\
 Data File : BG019446.D
 Acq On : 2 Nov 2015 23:52
 Operator : UM/NP
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleID :
 SSTD02027

Quant Time: Nov 03 00:59:40 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 03 00:57:47 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/3/2015 5:57:43 PM



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

3.496min (+0.000) 8.13ng/uL m U.M

response 5574

11/5/15

Ion	Exp%	Act%
96.00	100	100
64.00	60.60	79.69#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

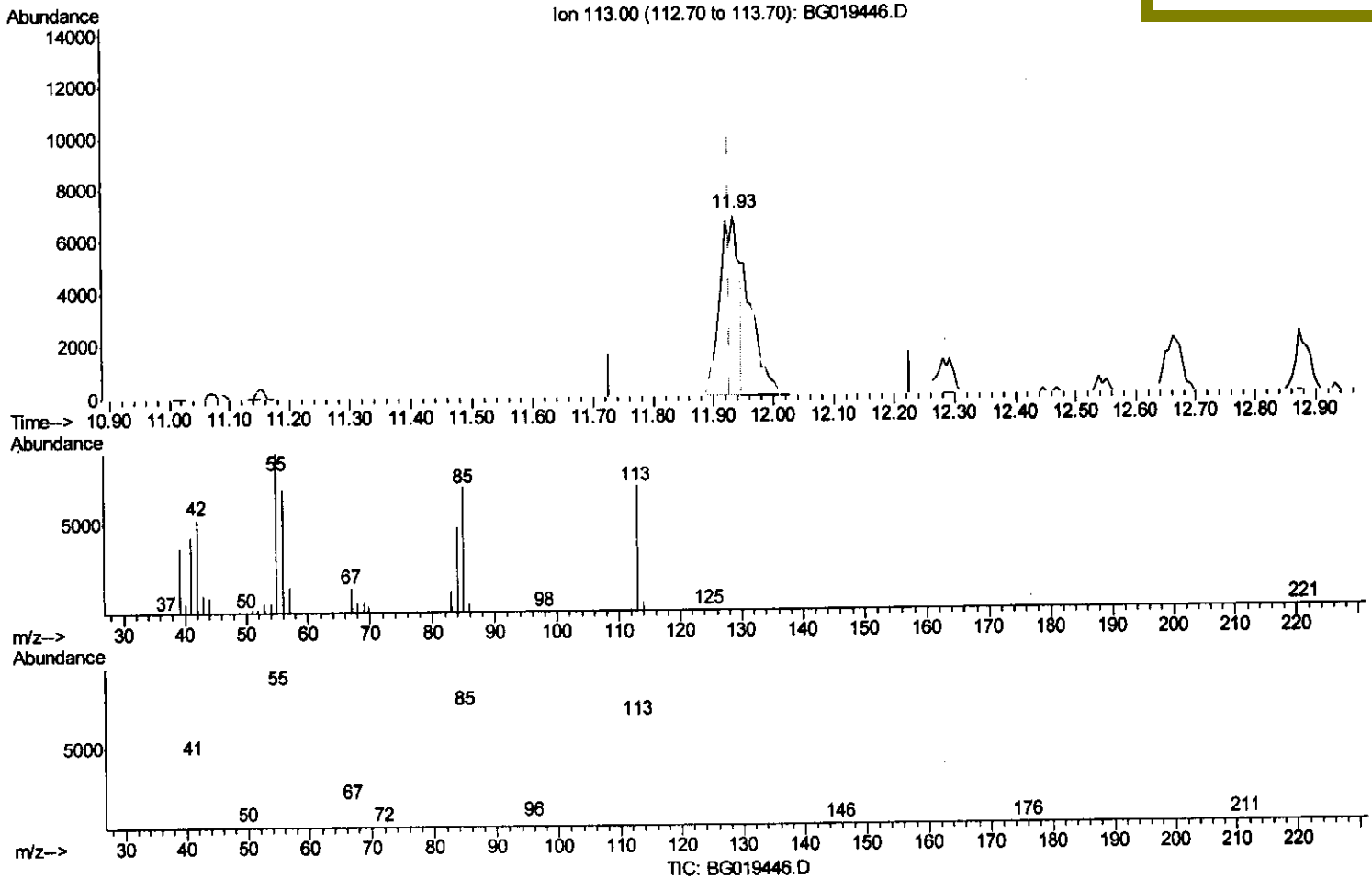
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110215\
 Data File : BG019446.D
 Acq On : 2 Nov 2015 23:52
 Operator : UM/NP
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02027

Quant Time: Nov 03 00:59:40 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 03 00:57:47 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/3/2015 5:57:43 PM



(32) Caprolactam
 11.933min (+0.006) 17.83ng/ul
 response 14774

Ion	Exp%	Act%
113.00	100	100
55.00	116.40	127.30
56.00	99.90	98.47
0.00	0.00	0.00

Quantitation Report (Qedit)

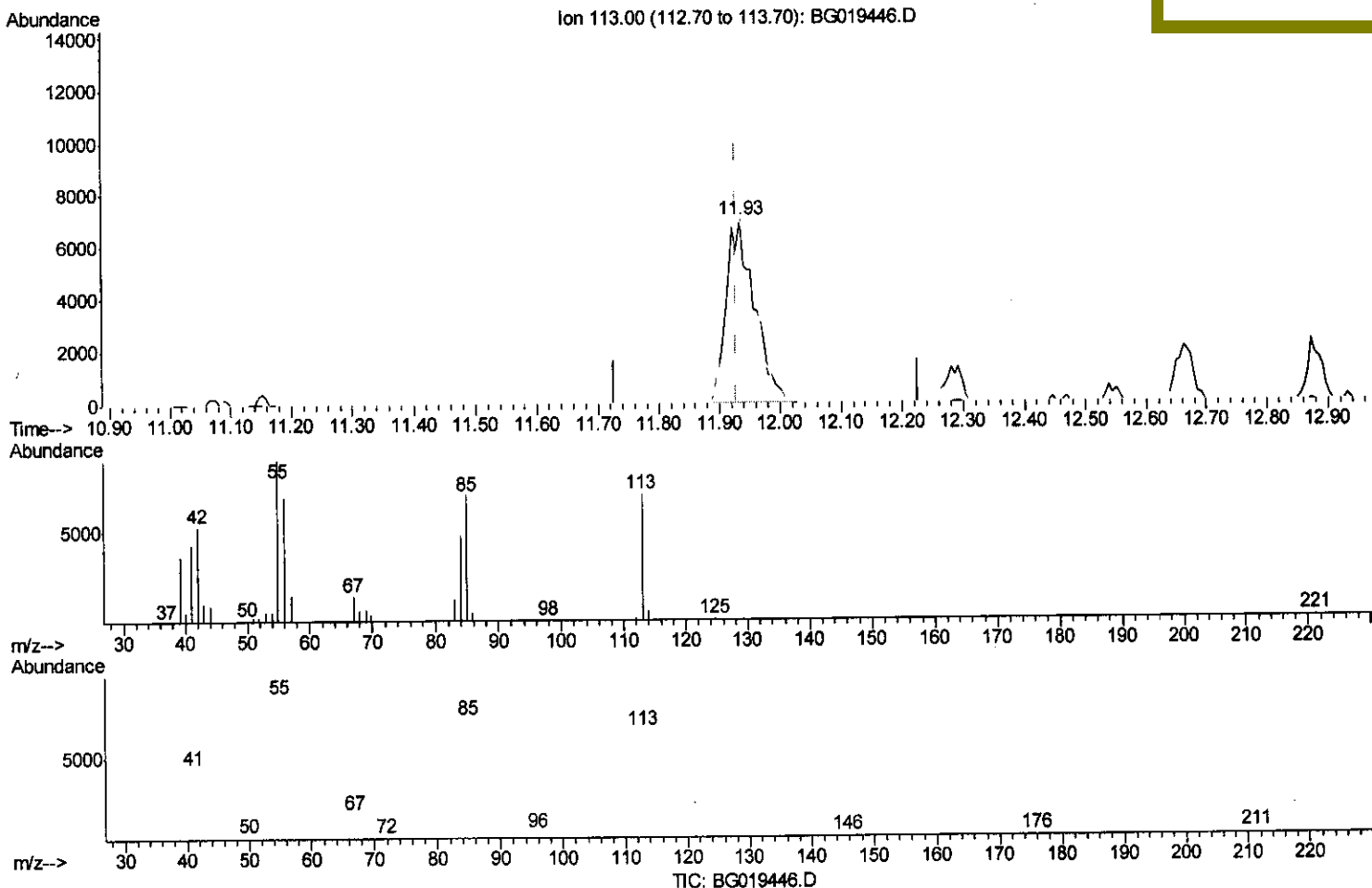
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110215\
 Data File : BG019446.D
 Acq On : 2 Nov 2015 23:52
 Operator : UM/NP
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleID :
 SSTD02027

Quant Time: Nov 03 00:59:40 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 03 00:57:47 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/3/2015 5:57:43 PM



(32) Caprolactam

11.933min (+0.006) 26.64ng/ul m U.M
 11/5/15

response 22077

Ion	Exp%	Act%
113.00	100	100
55.00	116.40	127.30
56.00	99.90	98.47
0.00	0.00	0.00

Quantitation Report (Qedit)

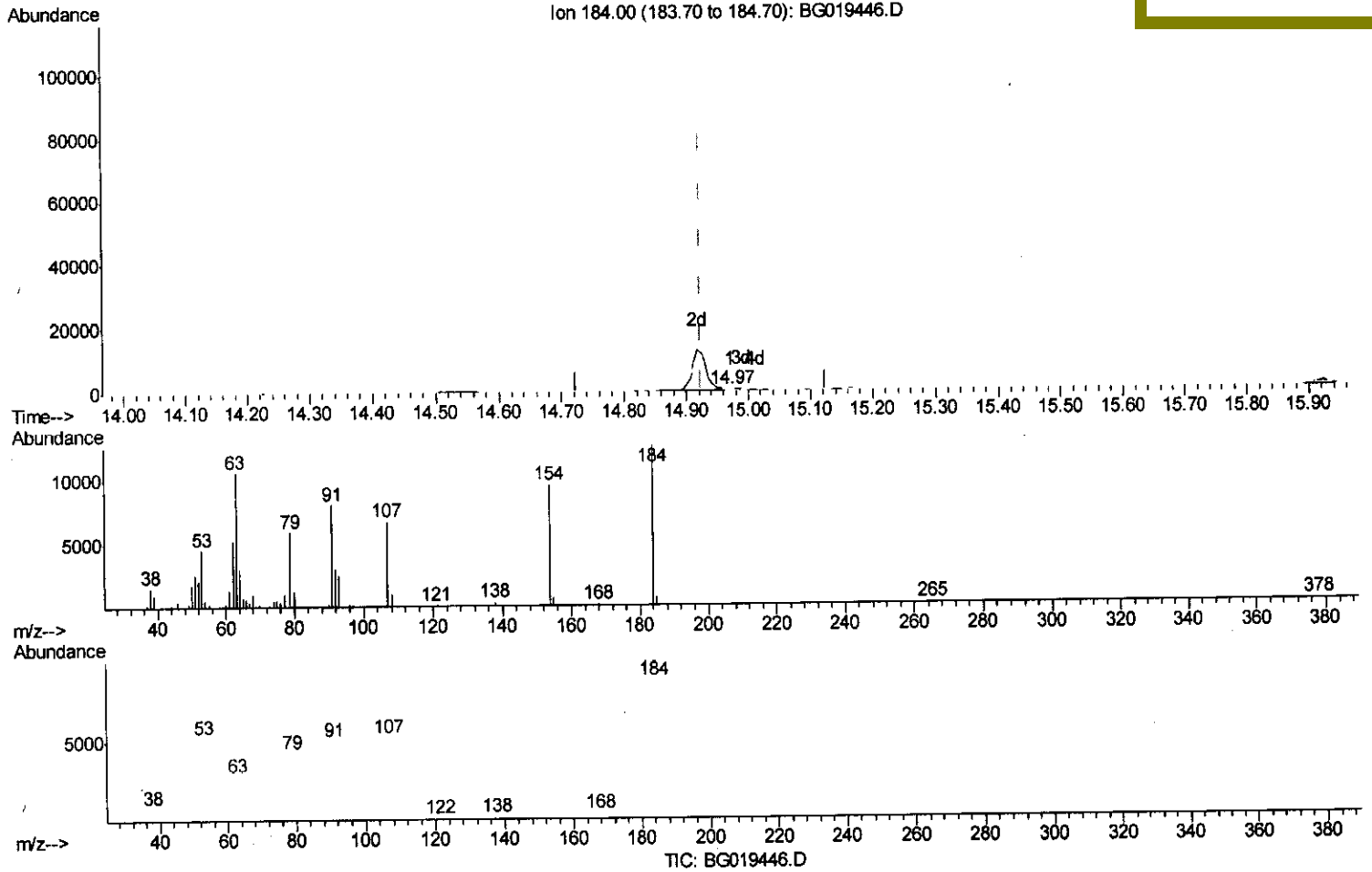
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110215\
 Data File : BG019446.D
 Acq On : 2 Nov 2015 23:52
 Operator : UM/NP
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02027

Quant Time: Nov 03 00:59:40 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 03 00:57:47 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/3/2015 5:57:43 PM



(51) 2,4-Dinitrophenol

14.971min (+0.047) 0.17ng/ul

response 223

Ion	Exp%	Act%
184.00	100	100
63.00	65.70	56.60
154.00	82.60	81.22
0.00	0.00	0.00

Quantitation Report (Qedit)

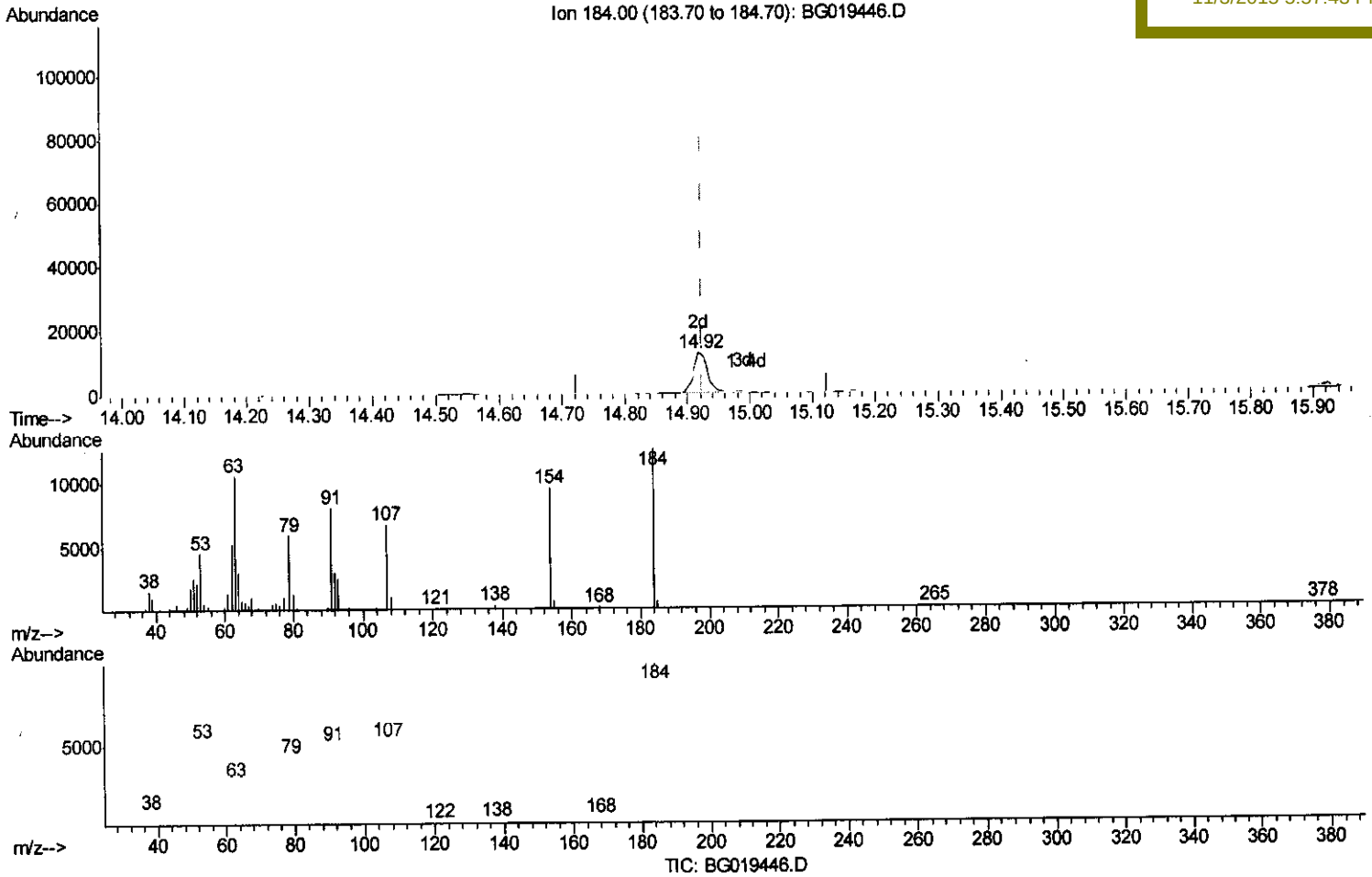
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110215\
 Data File : BG019446.D
 Acq On : 2 Nov 2015 23:52
 Operator : UM/NP
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02027

Quant Time: Nov 03 00:59:40 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 03 00:57:47 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/3/2015 5:57:43 PM



(51) 2,4-Dinitrophenol

14.918min (-0.006) 14.98ng/ul m U.M
 response 20069 11/5/15

Ion	Exp%	Act%
184.00	100	100
63.00	65.70	84.24#
154.00	82.60	75.66
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110215\
 Data File : BG019446.D
 Acq On : 2 Nov 2015 23:52
 Operator : UM/NP
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02027

Quant Time: Nov 03 01:13:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 03 00:57:47 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/3/2015 5:57:43 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	32825	20.00	ng/ul	0.00
18) Naphthalene-d8	11.02	136	127822	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.82	164	104422	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.56	188	309164	20.00	ng/ul	0.00
78) Chrysene-d12	21.85	240	417808	20.00	ng/ul	0.00
86) Perylene-d12	25.21	264	406335	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	5574m	8.13	ng/uL	0.00
5) Phenol-d5	7.34	99	61639	20.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	40755	21.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	37453	19.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.90	113	46788	19.49	ng/ul	0.00
19) Nitrobenzene-d5	9.36	128	19415	20.67	ng/ul	0.00
22) 2-Nitrophenol-d4	10.09	143	24115	21.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.63	165	51332	21.22	ng/ul	0.00
29) 4-Chloroaniline-d4	11.15	131	59123	24.16	ng/ul	0.00
44) Dimethylphthalate-d6	14.21	166	185180	21.51	ng/ul	0.00
47) Acenaphthylene-d8	14.52	160	193739	20.32	ng/ul	0.00
52) 4-Nitrophenol-d4	15.01	143	31557	23.07	ng/ul	0.00
58) Fluorene-d10	15.81	176	160400	20.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.92	200	33388	16.69	ng/ul	0.00
71) Anthracene-d10	17.66	188	284596	20.19	ng/ul	0.00
79) Pyrene-d10	19.94	212	361102	19.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.97	264	400448	19.64	ng/ul	0.00

U.M.
 11/5/15

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	6742	8.64	ng/uL	90
4) Benzaldehyde	7.32	77	46242	23.59	ng/ul	95
6) Phenol	7.36	94	64861	20.21	ng/ul	96
8) Bis(2-Chloroethyl)ether	7.60	93	45916	20.82	ng/ul	97
10) 2-Chlorophenol	7.75	128	39248	20.27	ng/ul	96
11) 2-Methylphenol	8.63	108	46595	19.63	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.72	45	36583	20.70	ng/ul	97
14) Acetophenone	9.01	105	82714	20.53	ng/ul	93
15) N-Nitroso-di-n-propylamine	9.00	70	54314	20.57	ng/ul#	87
16) 4-Methylphenol	8.96	108	51013	19.68	ng/ul	100
17) Hexachloroethane	9.28	117	18165	17.96	ng/ul#	78
20) Nitrobenzene	9.41	77	77027	20.97	ng/ul	98
21) Isophorone	9.92	82	146073	21.95	ng/ul	96
23) 2-Nitrophenol	10.12	139	26047	20.57	ng/ul#	82
24) 2,4-Dimethylphenol	10.18	107	67677	20.46	ng/ul	91
25) Bis(2-Chloroethoxy)methane	10.41	93	66956	21.26	ng/ul	96
27) 2,4-Dichlorophenol	10.66	162	48248	20.87	ng/ul#	85
28) Naphthalene	11.07	128	130281	20.37	ng/ul	95
30) 4-Chloroaniline	11.17	127	58322	22.73	ng/ul	100
31) Hexachlorobutadiene	11.35	225	47264	20.00	ng/ul	88
32) Caprolactam	11.93	113	22077m	26.64	ng/ul	
33) 4-Chloro-3-methylphenol	12.29	107	65748	21.18	ng/ul#	95
34) 2-Methylnaphthalene	12.66	142	105165	20.46	ng/ul	96

U.M.
 11/5/15

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110215\
 Data File : BG019446.D
 Acq On : 2 Nov 2015 23:52
 Operator : UM/NP
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02027

Quant Time: Nov 03 01:13:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 03 00:57:47 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/3/2015 5:57:43 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.88	142	102966	21.17	ng/ul	97
37) 1,2,4,5-Tetrachlorobenzene	13.02	216	82735	19.22	ng/ul#	96
38) Hexachlorocyclopentadiene	13.00	237	54459	17.05	ng/ul	92
39) 2,4,6-Trichlorophenol	13.26	196	51577	20.27	ng/ul	87
40) 2,4,5-Trichlorophenol	13.34	196	58739	21.04	ng/ul	97
41) 1,1'-Biphenyl	13.65	154	148827	20.16	ng/ul#	95
42) 2-Chloronaphthalene	13.70	162	114119	19.82	ng/ul	96
43) 2-Nitroaniline	13.90	65	53540	21.74	ng/ul#	89
45) Dimethylphthalate	14.26	163	188088	21.36	ng/ul#	98
46) 2,6-Dinitrotoluene	14.38	165	38788	21.76	ng/ul	94
48) Acenaphthylene	14.54	152	196775	20.14	ng/ul	98
49) 3-Nitroaniline	14.72	138	33991	22.16	ng/ul	85
50) Acenaphthene	14.88	153	132339	20.06	ng/ul	94
51) 2,4-Dinitrophenol	14.92	184	20069m	14.98	ng/ul	86
53) 4-Nitrophenol	15.02	109	47803	22.41	ng/ul#	99
54) Dibenzofuran	15.22	168	198867	20.47	ng/ul	89
55) 2,4-Dinitrotoluene	15.17	165	56162	19.95	ng/ul#	93
56) 2,3,4,6-Tetrachlorophenol	15.44	232	60348	20.67	ng/ul#	99
57) Diethylphthalate	15.62	149	187268	21.54	ng/ul	97
59) Fluorene	15.86	166	170146	20.08	ng/ul	94
60) 4-Chlorophenyl-phenylether	15.85	204	100339	19.92	ng/ul	90
61) 4-Nitroaniline	15.88	138	39012	22.13	ng/ul	99
64) 4,6-Dinitro-2-methylphenol	15.93	198	35607	16.45	ng/ul#	97
65) N-Nitrosodiphenylamine	16.06	169	155975	19.50	ng/ul	97
66) 4-Bromophenyl-phenylether	16.75	248	71162	19.37	ng/ul	94
67) Hexachlorobenzene	16.86	284	77483	19.87	ng/ul	96
68) Atrazine	17.00	200	84464	21.31	ng/ul	96
69) Pentachlorophenol	17.21	266	38632	16.79	ng/ul	96
70) Phenanthrene	17.60	178	315325	20.21	ng/ul	99
72) Anthracene	17.69	178	319752	20.10	ng/ul	98
73) 1,2,3,4-Tetrachlorobenzene	13.63	216	83647	18.67	ng/uL	95
74) Pentachlorobenzene	15.14	250	84270	18.66	ng/uL	97
75) Carbazole	17.96	167	284134	22.39	ng/ul	99
76) Di-n-butylphthalate	18.50	149	336210	21.37	ng/ul	97
77) Fluoranthene	19.60	202	453288	22.44	ng/ul#	95
80) Pyrene	19.97	202	464076	19.79	ng/ul#	99
81) Butylbenzylphthalate	20.83	149	155810	20.45	ng/ul	93
82) 3,3'-Dichlorobenzidine	21.73	252	170529	20.83	ng/ul#	98
83) Benzo(a)anthracene	21.82	228	483993	19.89	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.71	149	223625	20.65	ng/ul#	98
85) Chrysene	21.89	228	456260	19.99	ng/ul	100
87) Di-n-octyl phthalate	22.97	149	382158	20.77	ng/ul	97
88) Benzo(b)fluoranthene	24.13	252	477379	19.92	ng/ul#	97
89) Benzo(k)fluoranthene	24.20	252	458059	19.86	ng/ul	97
91) Benzo(a)pyrene	25.05	252	455108	19.77	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	29.06	276	510044	19.66	ng/ul	98
93) Dibenzo(a,h)anthracene	29.12	278	423960	19.58	ng/ul	91
94) Benzo(g,h,i)perylene	30.26	276	424583	21.57	ng/ul#	

U.M
 11/5/15

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110215\
Data File : BG019446.D
Acq On : 2 Nov 2015 23:52
Operator : UM/NP
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 03 01:13:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 03 00:57:47 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02027

Manual Integrations
APPROVED

Mmdadoda
11/3/2015 5:57:43 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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