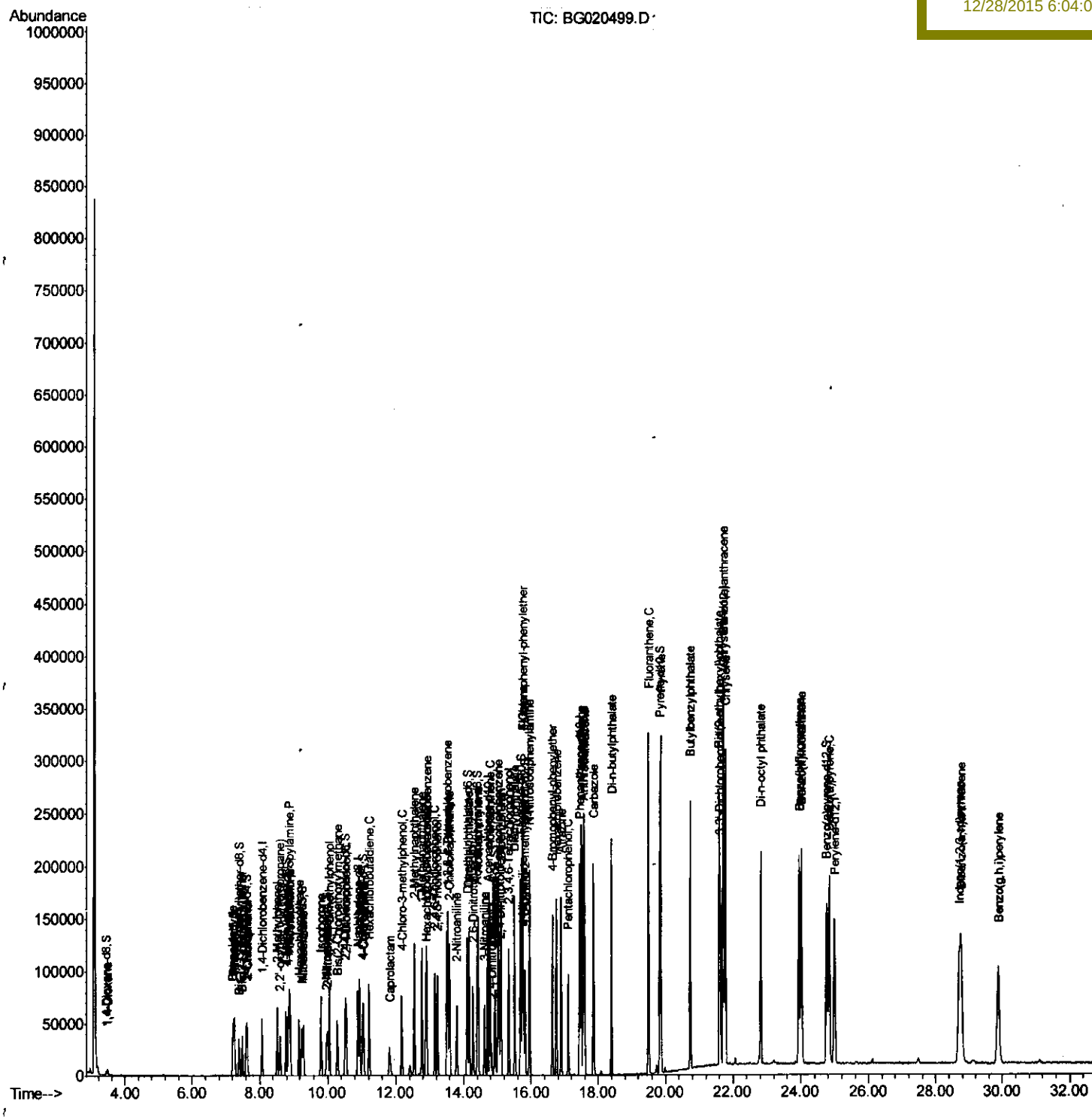
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 00:12:54 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 25 03:27:34 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM



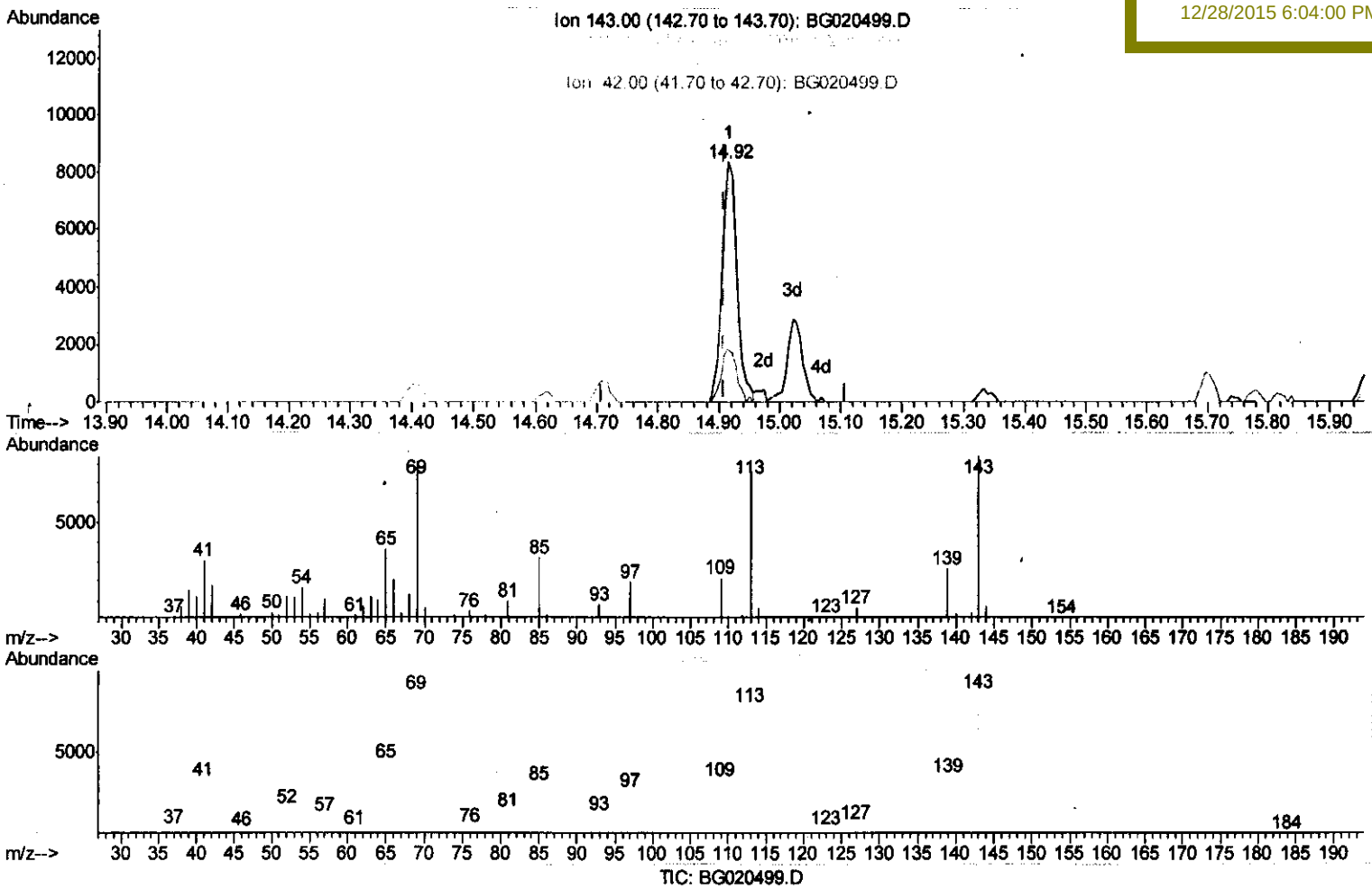
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 05 03:22:06 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 30 01:08:31 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM



TIC: BG020499.D

(52) 4-Nitrophenol-d4 (S)

14.916min (+0.007) 20.20ng/ul

response 14304

Ion	Exp%	Act%
143.00	100	100
113.00	89.00	91.35
41.00	38.30	36.37
42.00	23.40	21.64

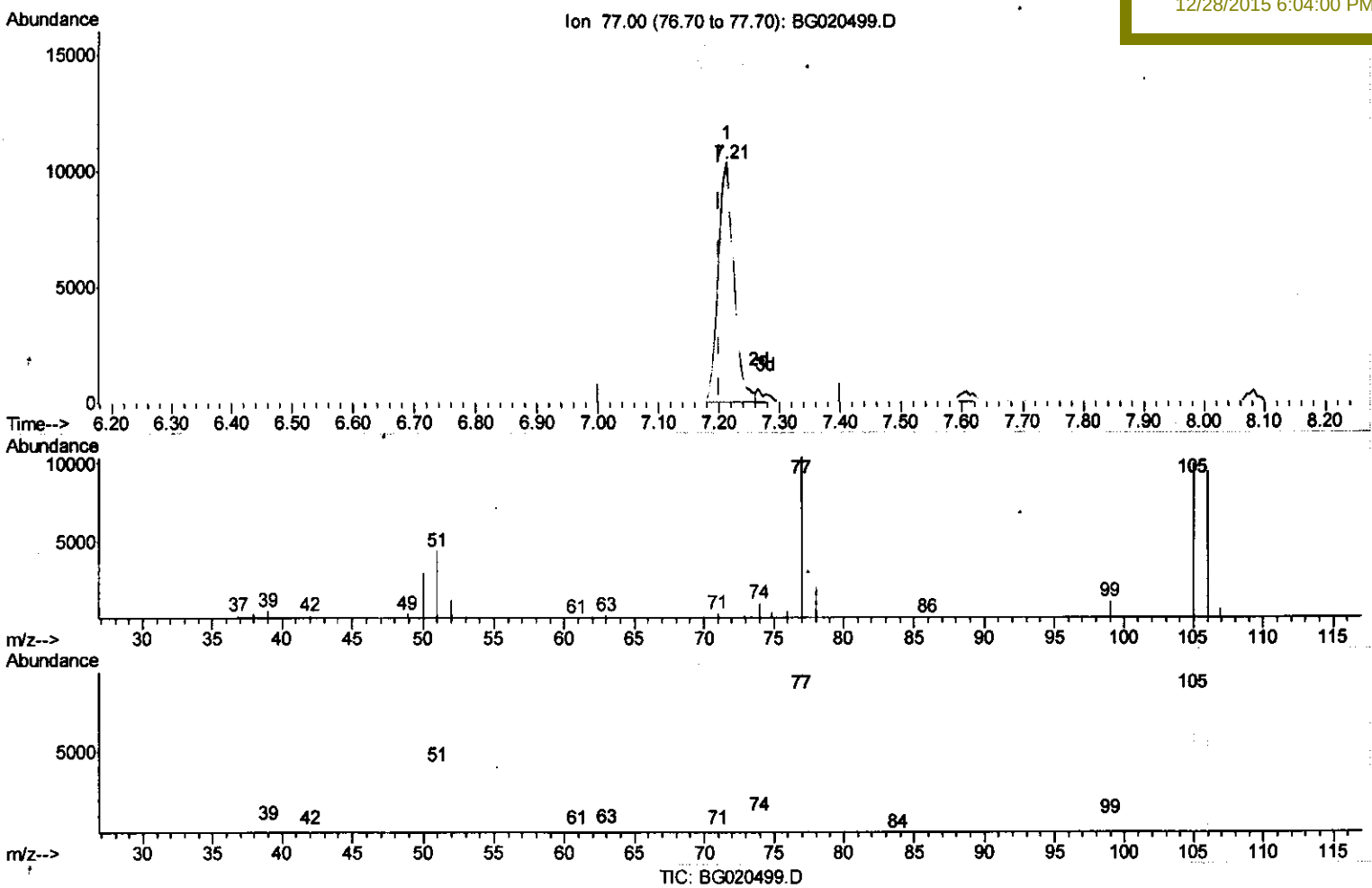
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 05 03:22:06 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 30 01:08:31 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM



(4) Benzaldehyde

7.213min (+0.013) 22.53ng/ul

response 18422

Ion	Exp%	Act%
77.00	100	100
105.00	97.20	95.61
106.00	90.80	90.34
0.00	0.00	0.00

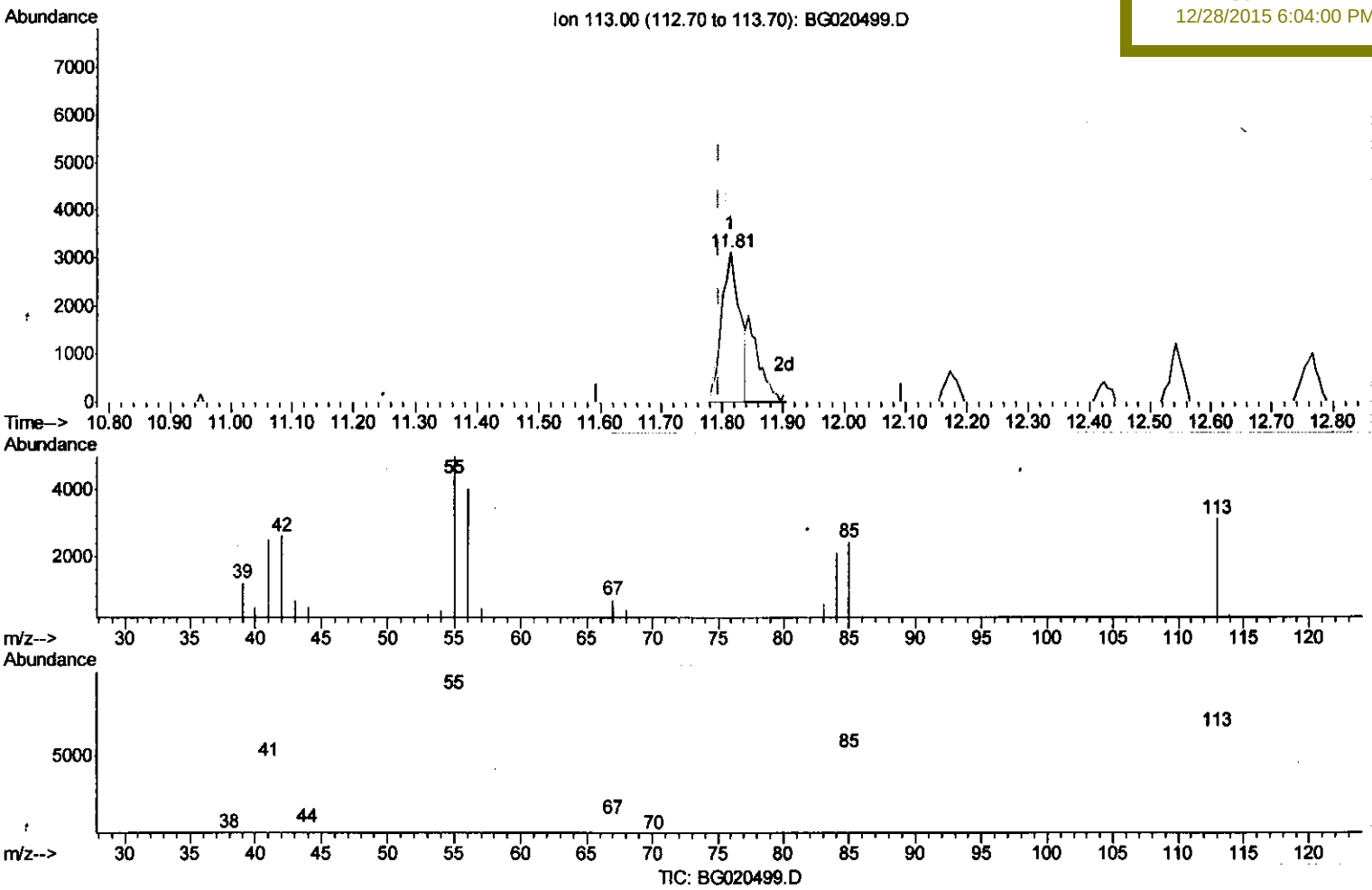
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 05 03:22:06 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 30 01:08:31 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM



TIC: BG020499.D

(32) Caprolactam

11.814min (+0.019) 15.70ng/ul

response 6369

Ion	Exp%	Act%
113.00	100	100
55.00	165.10	160.06
56.00	129.10	128.55
0.00	0.00	0.00

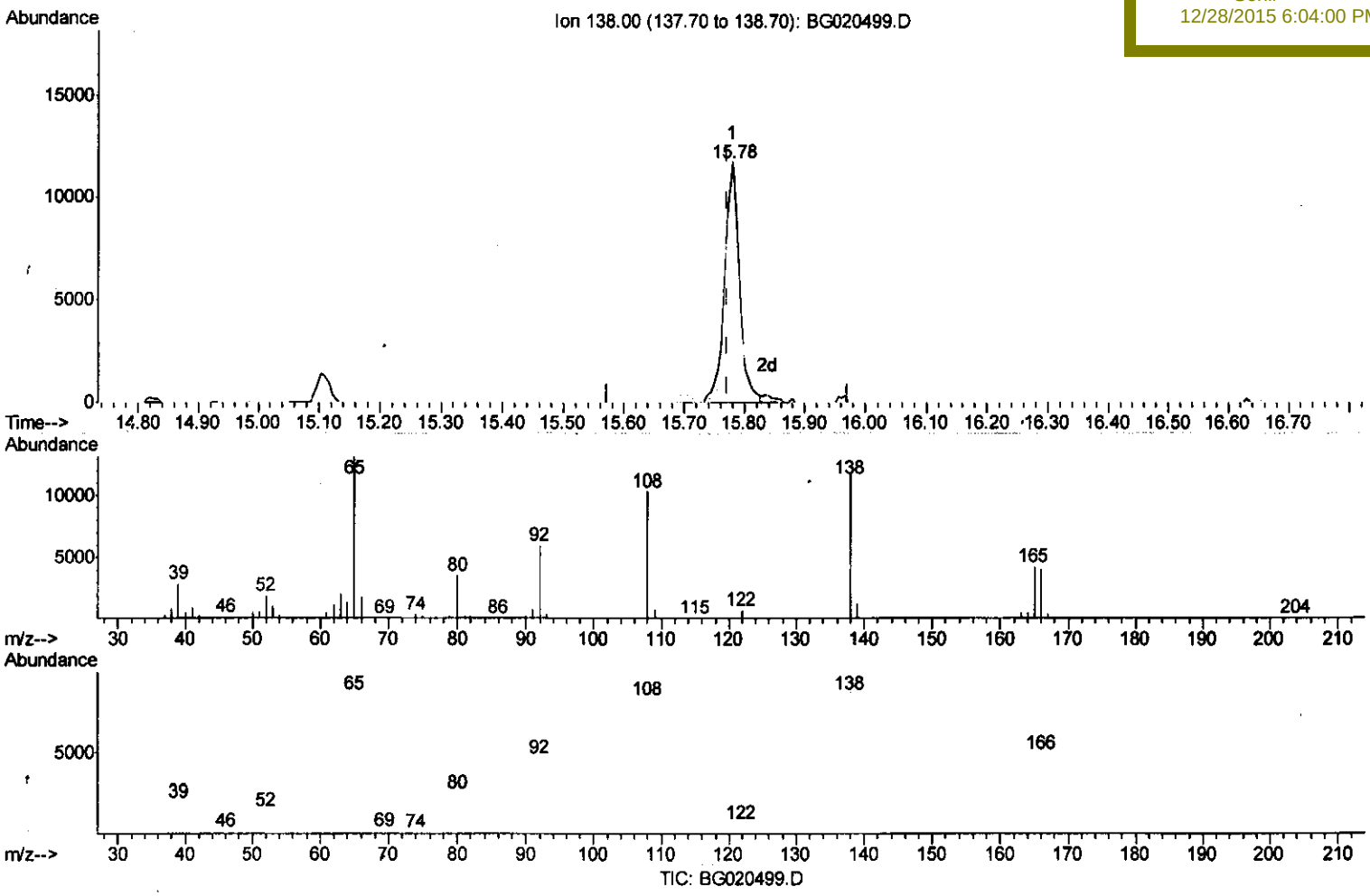
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 05 03:22:06 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 30 01:08:31 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM



(61) 4-Nitroaniline

15.779min (+0.007) 22.16ng/ul

response 20181

Ion	Exp%	Act%
138.00	100	100
92.00	56.50	50.80
108.00	94.20	88.16
0.00	0.00	0.00

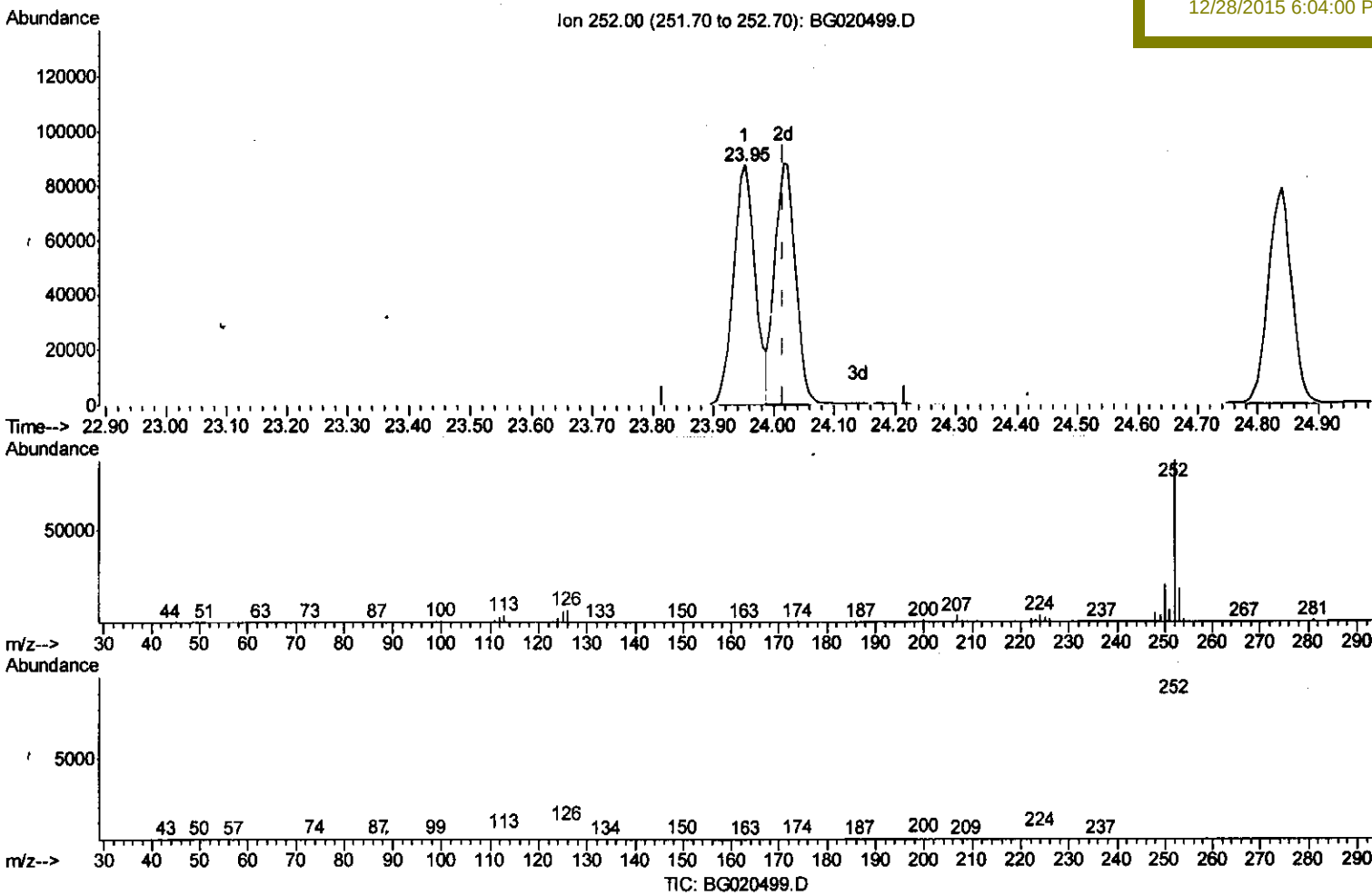
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 05 03:22:06 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 30 01:08:31 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM



TIC: BG020499.D

(89) Benzo(k)fluoranthene

23.952min (-0.063) 22.98ng/ul

response 220971

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	21.01
125.00	7.20	6.83
0.00	0.00	0.00

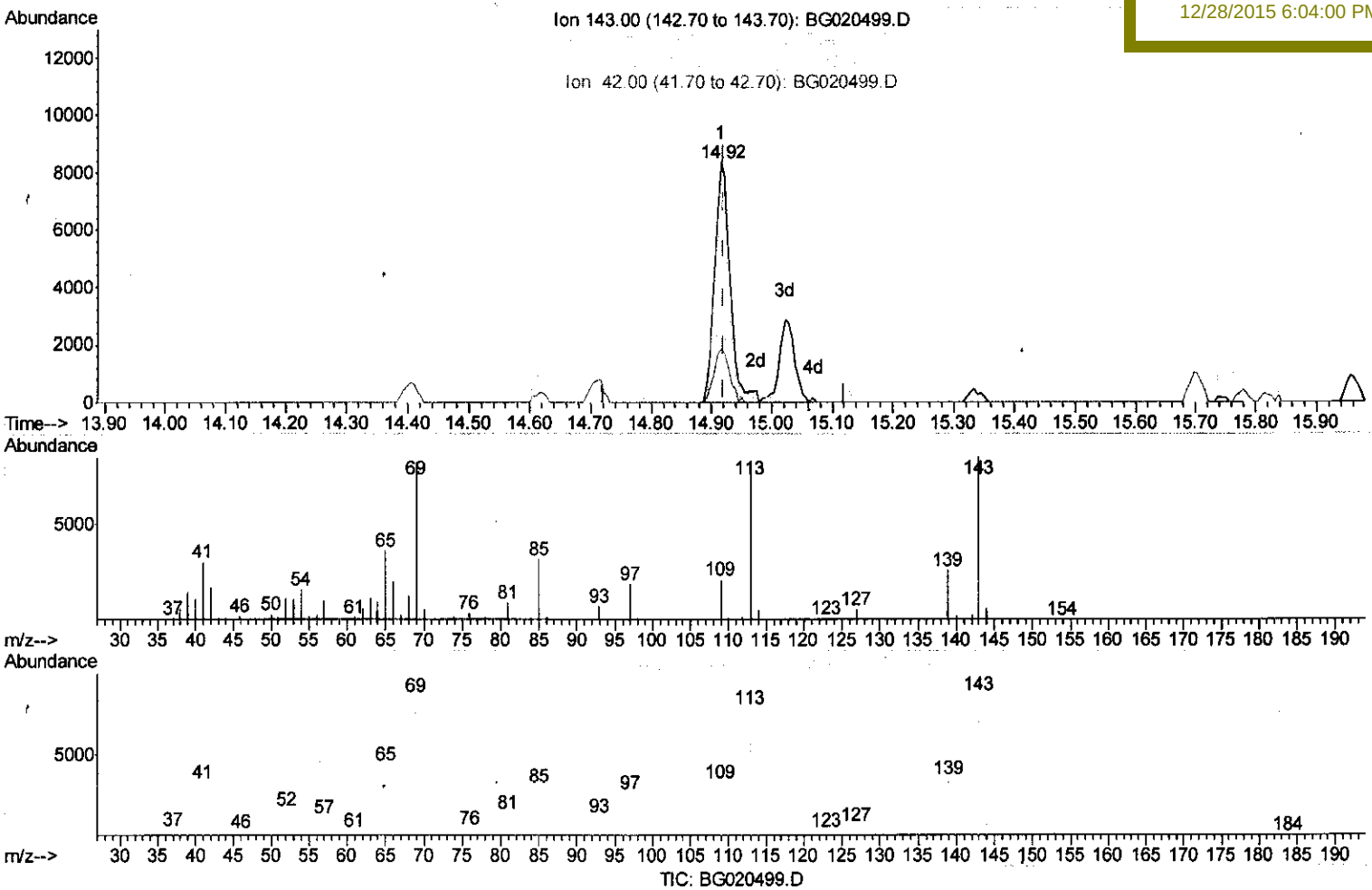
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 00:12:54 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 25 03:27:34 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM



(52) 4-Nitrophenol-d4 (S)

14.916min (-0.005) 20.78ng/ul m

response 14717

U.M 1/5/16

Ion	Exp%	Act%
143.00	100	100
113.00	89.00	91.35
41.00	38.30	36.37
42.00	23.40	21.64

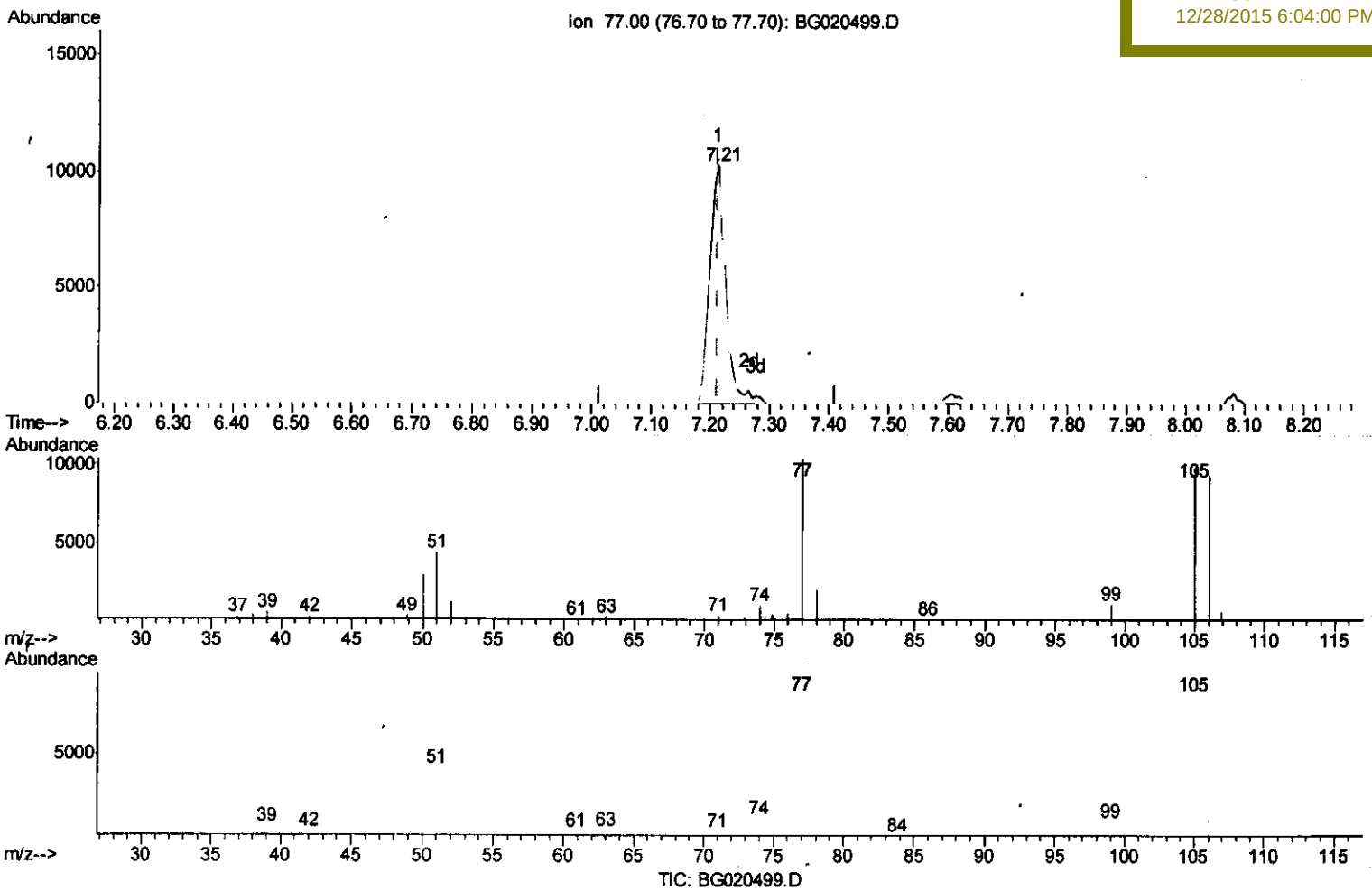
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 00:12:54 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 25 03:27:34 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM



(4) Benzaldehyde

7.213min (+0.001) 23.19ng/ul m U.M 1/5/16

response 18960

Ion	Exp%	Act%
77.00	100	100
105.00	97.20	95.61
106.00	90.80	90.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 00:12:54 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 25 03:27:34 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
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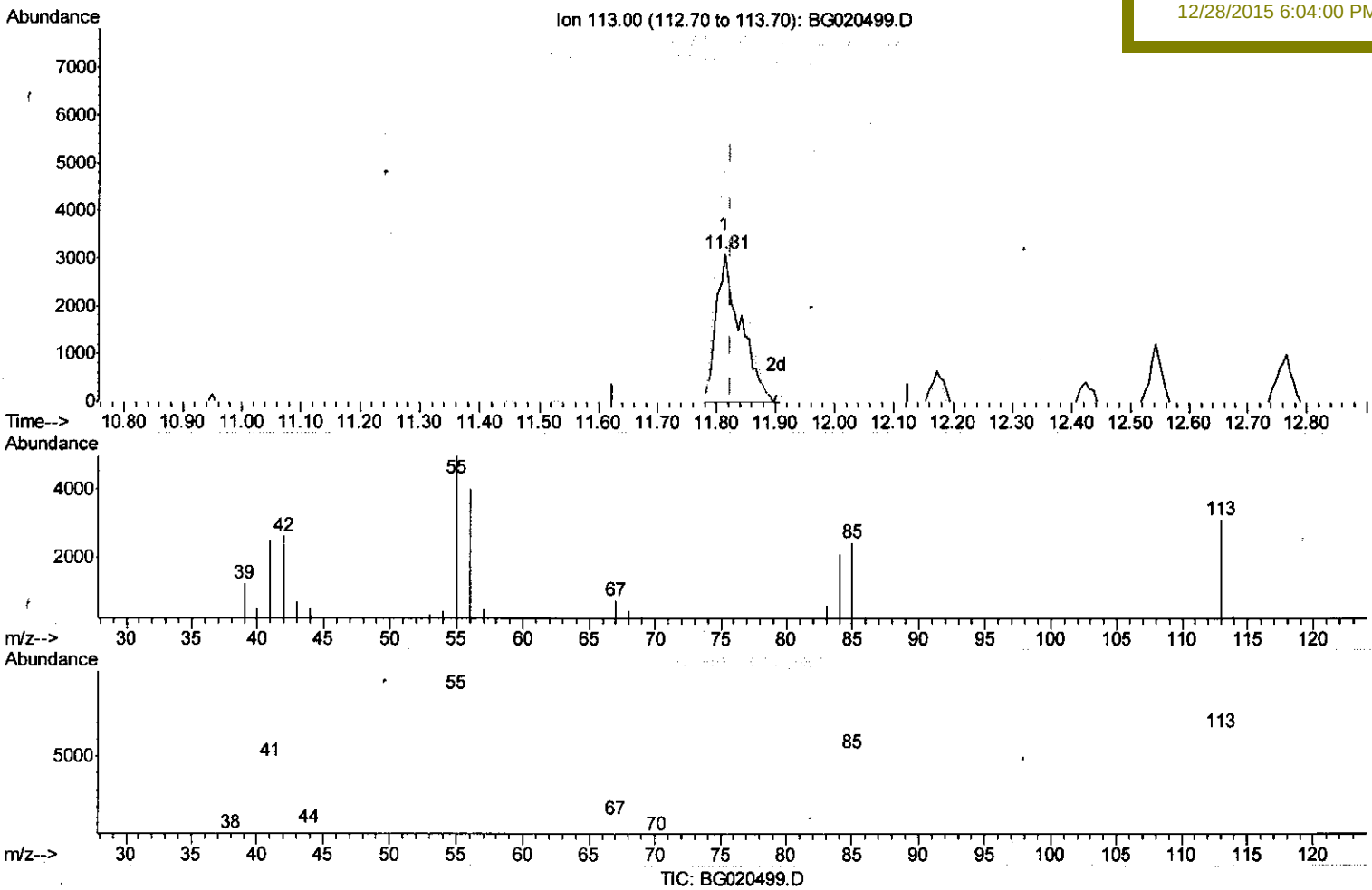

(32) Caprolactam

11.814min (-0.011) 21.88ng/ul m U.M 1/5/16

response 8877

Ion	Exp%	Act%
113.00	100	100
55.00	165.10	160.06
56.00	129.10	128.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
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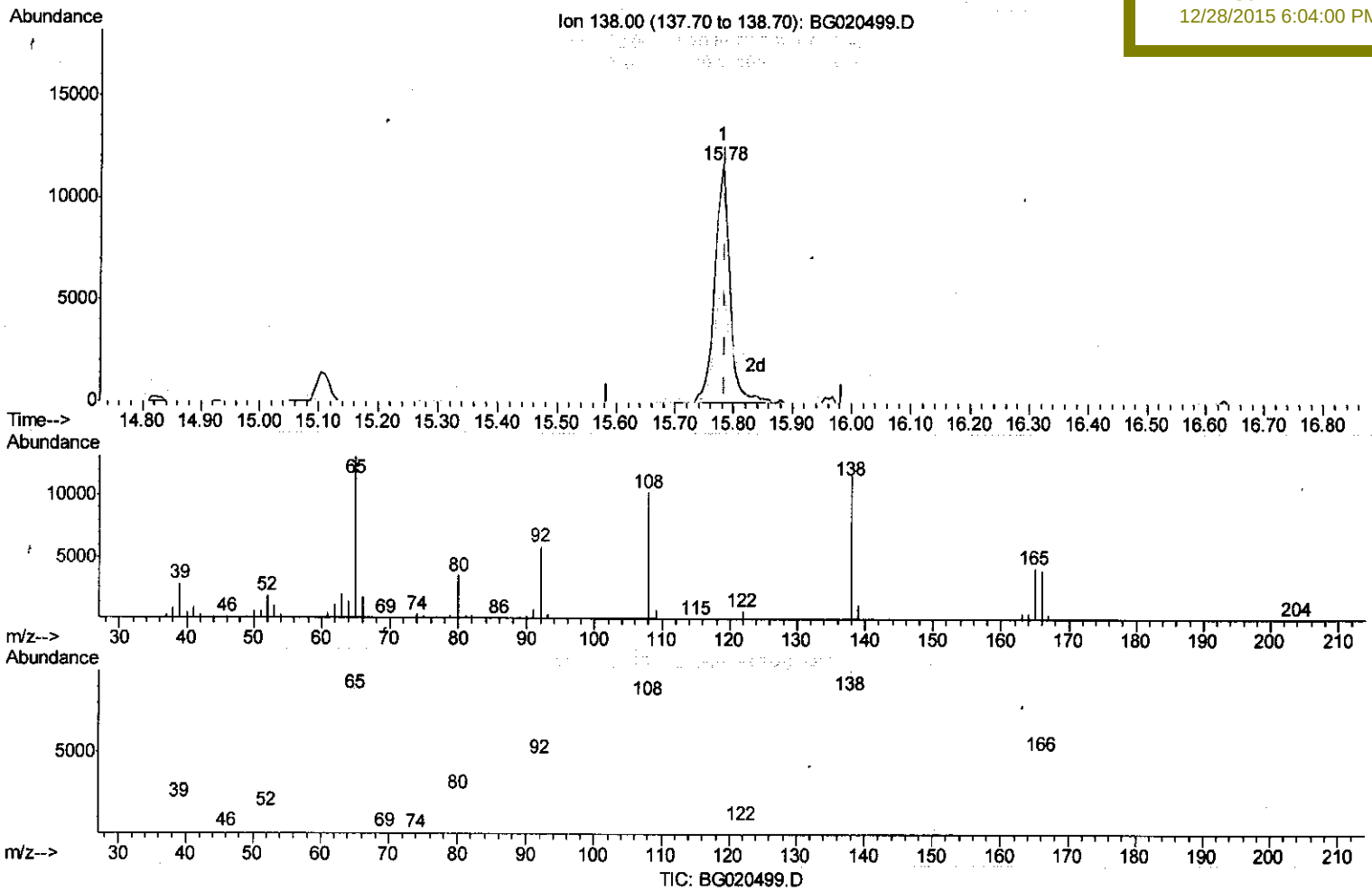
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 00:12:54 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 25 03:27:34 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM



(61) 4-Nitroaniline

15.779min (-0.005) 22.73ng/ul m U.M 1/5/16

response 20706

Ion	Exp%	Act%
138.00	100	100
92.00	56.50	50.80
108.00	94.20	88.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 00:12:54 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
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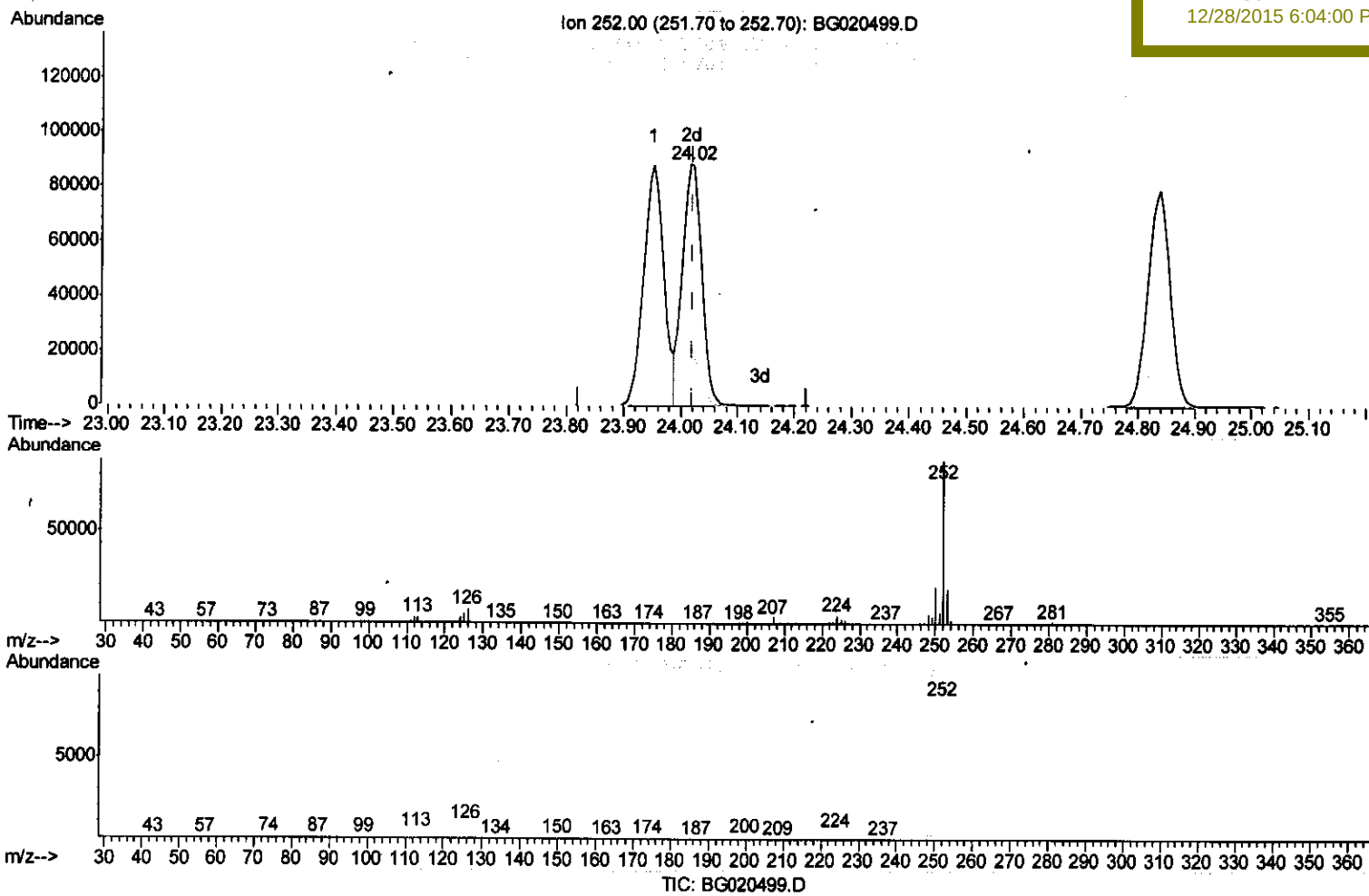
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM



TIC: BG020499.D

(89) Benzo(k)fluoranthene

24.017min (-0.005) 21.98ng/ul m U·M 1/5/16

response 211391

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	21.58
125.00	7.20	5.63#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 00:12:54 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 25 03:27:34 2015
Response via : Initial Calibration

Instrument : BNA_G
LabSampleId : SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	16811	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	71278	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	51536	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	137038	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	171870	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	165738	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.45	96	2550	8.37	ng/uL	0.00
5) Phenol-d5	7.24	99	28651	21.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	17558	21.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	23383	22.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	25074	22.09	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	12122	21.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	14389	22.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	27647	22.49	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	32089	22.85	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	91421	21.52	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	107201	21.78	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	14717m	20.78	ng/ul	0.00
58) Fluorene-d10	15.70	176	83146	21.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	17066	18.79	ng/ul	0.00
71) Anthracene-d10	17.55	188	139356	21.71	ng/ul	0.00
79) Pyrene-d10	19.84	212	168793	22.68	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	184318	22.00	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.48	88	3151	9.01	ng/uL	97
4) Benzaldehyde	7.21	77	18960m	23.19	ng/ul	
6) Phenol	7.27	94	30618	21.79	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.49	93	22035	21.52	ng/ul	96
10) 2-Chlorophenol	7.64	128	24145	22.35	ng/ul	95
11) 2-Methylphenol	8.52	108	24069	22.08	ng/ul	90
12) 2,2'-oxybis(1-Chloropropan	8.61	45	30343	22.87	ng/ul	97
14) Acetophenone	8.91	105	39626	21.79	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.88	70	21269	23.13	ng/ul	97
16) 4-Methylphenol	8.85	108	26789	22.65	ng/ul	98
17) Hexachloroethane	9.16	117	9932	21.77	ng/ul	92
20) Nitrobenzene	9.29	77	29921	21.47	ng/ul#	96
21) Isophorone	9.81	82	59100	22.46	ng/ul	98
23) 2-Nitrophenol	10.00	139	15036	22.41	ng/ul	95
24) 2,4-Dimethylphenol	10.06	107	31852	22.35	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.29	93	32197	22.02	ng/ul	98
27) 2,4-Dichlorophenol	10.54	162	28317	22.46	ng/ul	97
28) Naphthalene	10.94	128	81839	21.60	ng/ul	99
30) 4-Chloroaniline	11.06	127	32524	22.97	ng/ul	95
31) Hexachlorobutadiene	11.22	225	23110	21.94	ng/ul	96
32) Caprolactam	11.81	113	8877m	21.88	ng/ul	
33) 4-Chloro-3-methylphenol	12.18	107	30772	23.29	ng/ul	93
34) 2-Methylnaphthalene	12.54	142	62482	22.29	ng/ul	94

U.M 1/5/16

U.M 1/5/16

Quantitation Report (QT Reviewed)

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Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 00:12:54 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 25 03:27:34 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.76	142	59218	22.23	ng/ul#	97
37) 1,2,4,5-Tetrachlorobenzene	12.91	216	44310	21.24	ng/ul	96
38) Hexachlorocyclopentadiene	12.88	237	20705	18.20	ng/ul#	95
39) 2,4,6-Trichlorophenol	13.15	196	27522	22.22	ng/ul	97
40) 2,4,5-Trichlorophenol	13.22	196	29989	22.13	ng/ul	96
41) 1,1'-Biphenyl	13.55	154	87879	22.09	ng/ul#	95
42) 2-Chloronaphthalene	13.59	162	68333	21.30	ng/ul	99
43) 2-Nitroaniline	13.79	65	20053	22.28	ng/ul	92
45) Dimethylphthalate	14.16	163	94320	21.84	ng/ul	100
46) 2,6-Dinitrotoluene	14.28	165	19623	22.34	ng/ul	96
48) Acenaphthylene	14.43	152	112051	21.66	ng/ul	98
49) 3-Nitroaniline	14.62	138	18483	22.80	ng/ul	89
50) Acenaphthene	14.77	153	74948	21.43	ng/ul	99
51) 2,4-Dinitrophenol	14.83	184	9762	17.37	ng/ul#	84
53) 4-Nitrophenol	14.93	109	12934	20.19	ng/ul	91
54) Dibenzofuran	15.11	168	114448	22.00	ng/ul	99
55) 2,4-Dinitrotoluene	15.07	165	28612	21.79	ng/ul#	91
56) 2,3,4,6-Tetrachlorophenol	15.33	232	30069	22.53	ng/ul	98
57) Diethylphthalate	15.52	149	95953	21.65	ng/ul	98
59) Fluorene	15.76	166	92018	21.82	ng/ul	97
60) 4-Chlorophenyl-phenylether	15.74	204	52452	21.50	ng/ul	97
61) 4-Nitroaniline	15.78	138	20706m	22.73	ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.83	198	18451	19.12	ng/ul#	94
65) N-Nitrosodiphenylamine	15.96	169	83851	21.89	ng/ul	98
66) 4-Bromophenyl-phenylether	16.64	248	36662	21.52	ng/ul	99
67) Hexachlorobenzene	16.76	284	40410	21.21	ng/ul#	91
68) Atrazine	16.90	200	36751	21.66	ng/ul	99
69) Pentachlorophenol	17.11	266	20023	19.42	ng/ul	97
70) Phenanthrene	17.50	178	162552	21.32	ng/ul	99
72) Anthracene	17.59	178	167563	21.49	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.51	216	48129	21.04	ng/uL	99
74) Pentachlorobenzene	15.03	250	45204	21.31	ng/uL	97
75) Carbazole	17.86	167	143727	21.87	ng/ul	99
76) Di-n-butylphthalate	18.41	149	167842	21.43	ng/ul	100
77) Fluoranthene	19.50	202	213906	22.31	ng/ul	98
80) Pyrene	19.87	202	217301	22.36	ng/ul	96
81) Butylbenzylphthalate	20.74	149	78049	22.58	ng/ul	93
82) 3,3'-Dichlorobenzidinc	21.63	252	68760	20.43	ng/ul	93
83) Benzo(a)anthracene	21.71	228	222488	22.04	ng/ul	100
84) Bis(2-ethylhexyl)phthalate	21.60	149	108911	21.54	ng/ul	100
85) Chrysene	21.78	228	210413	21.89	ng/ul	99
87) Di-n-octyl phthalate	22.82	149	190223	22.18	ng/ul	100
88) Benzo(b)fluoranthene	23.95	252	220971	22.21	ng/ul	99
89) Benzo(k)fluoranthene	24.02	252	211391m	21.98	ng/ul	
91) Benzo(a)pyrene	24.84	252	209765	21.94	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.71	276	247139	21.58	ng/ul	96
93) Dibenzo(a,h)anthracene	28.77	278	203463	21.41	ng/ul	98
94) Benzo(g,h,i)perylene	29.88	276	201048	21.37	ng/ul	99

U.M 1/5/16

U.M 1/5/16

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020499.D
Acq On : 25 Dec 2015 8:21
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 26 00:12:54 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 25 03:27:34 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED
Sohil
12/28/2015 6:04:00 PM

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

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