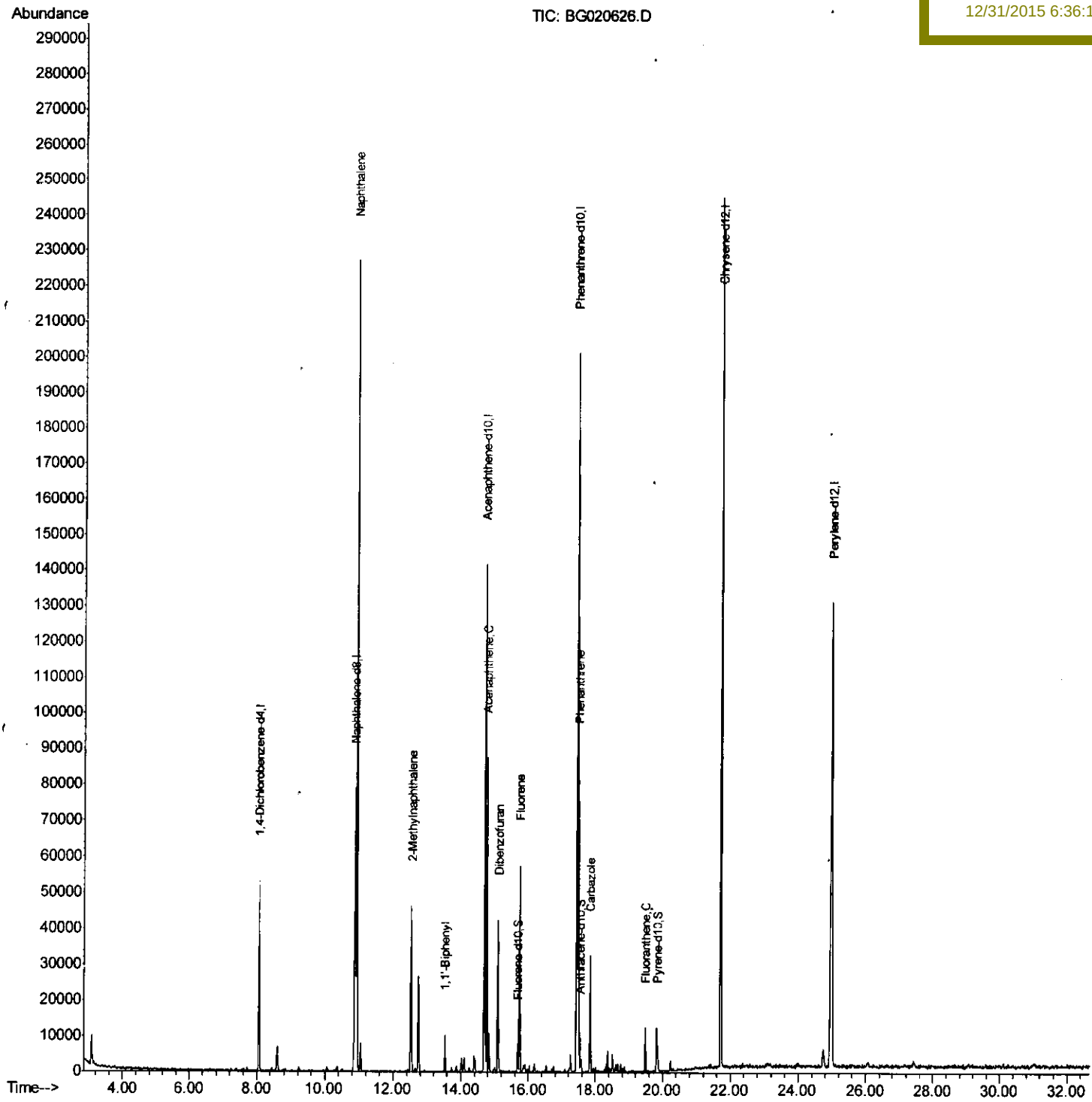
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020626.D
Acq On : 31 Dec 2015 3:00
Operator : UM/SJ
Sample : G4846-07DL 50X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 31 03:53:19 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 03:43:50 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53DL

Manual Integrations APPROVED
Sohil
12/31/2015 6:36:11 PM



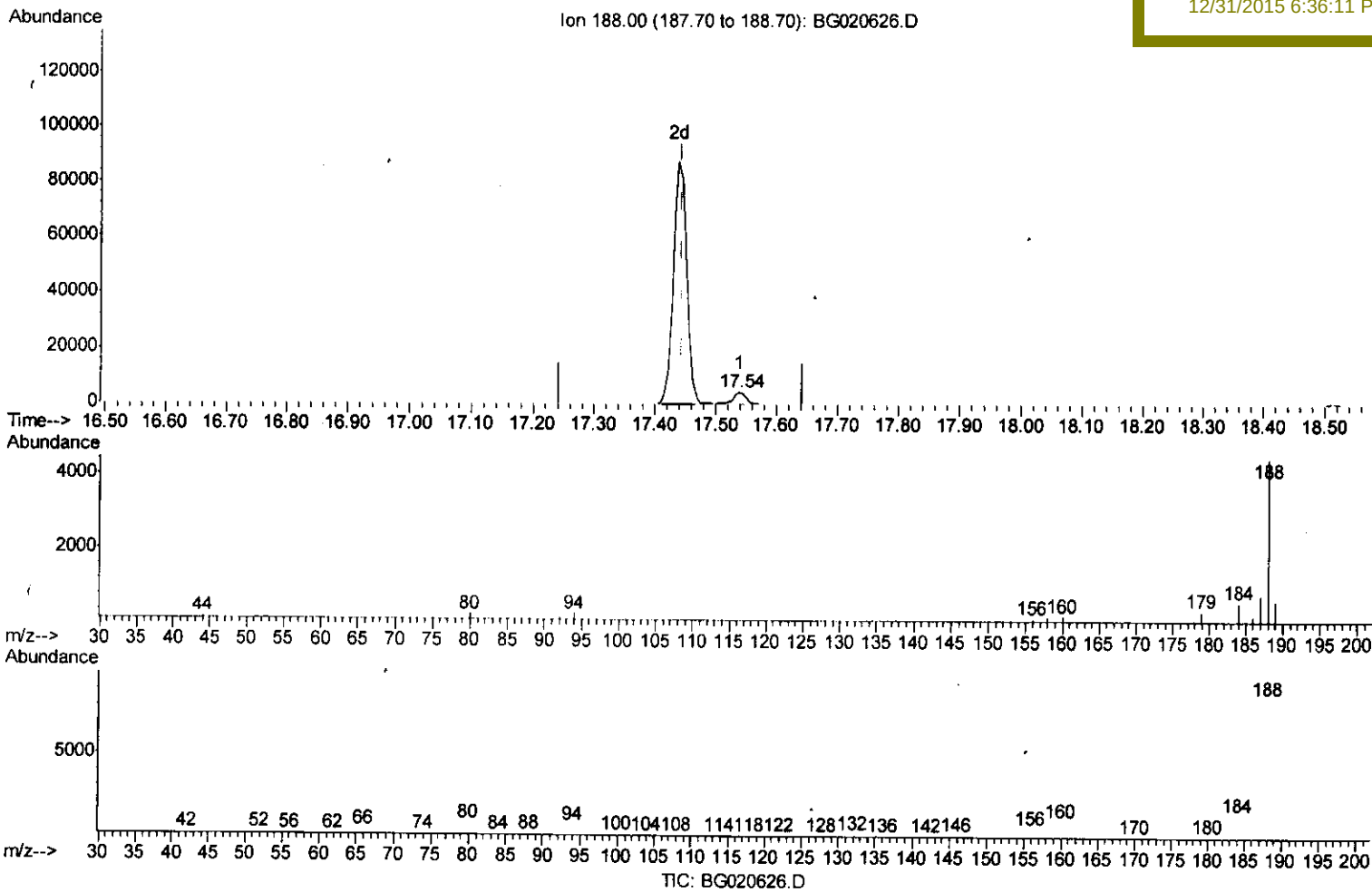
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020626.D
Acq On : 31 Dec 2015 3:00
Operator : UM/SJ
Sample : G4846-07DL 50X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 31 03:46:45 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 03:43:50 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53DL

Manual Integrations APPROVED
Sohil
12/31/2015 6:36:11 PM



(62) Phenanthrene-d10 (I)

17.538min (+0.094) 20.00ng/ul

response 6932

Ion	Exp%	Act%
188.00	100	100
94.00	6.30	7.34
80.00	7.70	6.55
0.00	0.00	0.00

Quantitation Report (Qedit)

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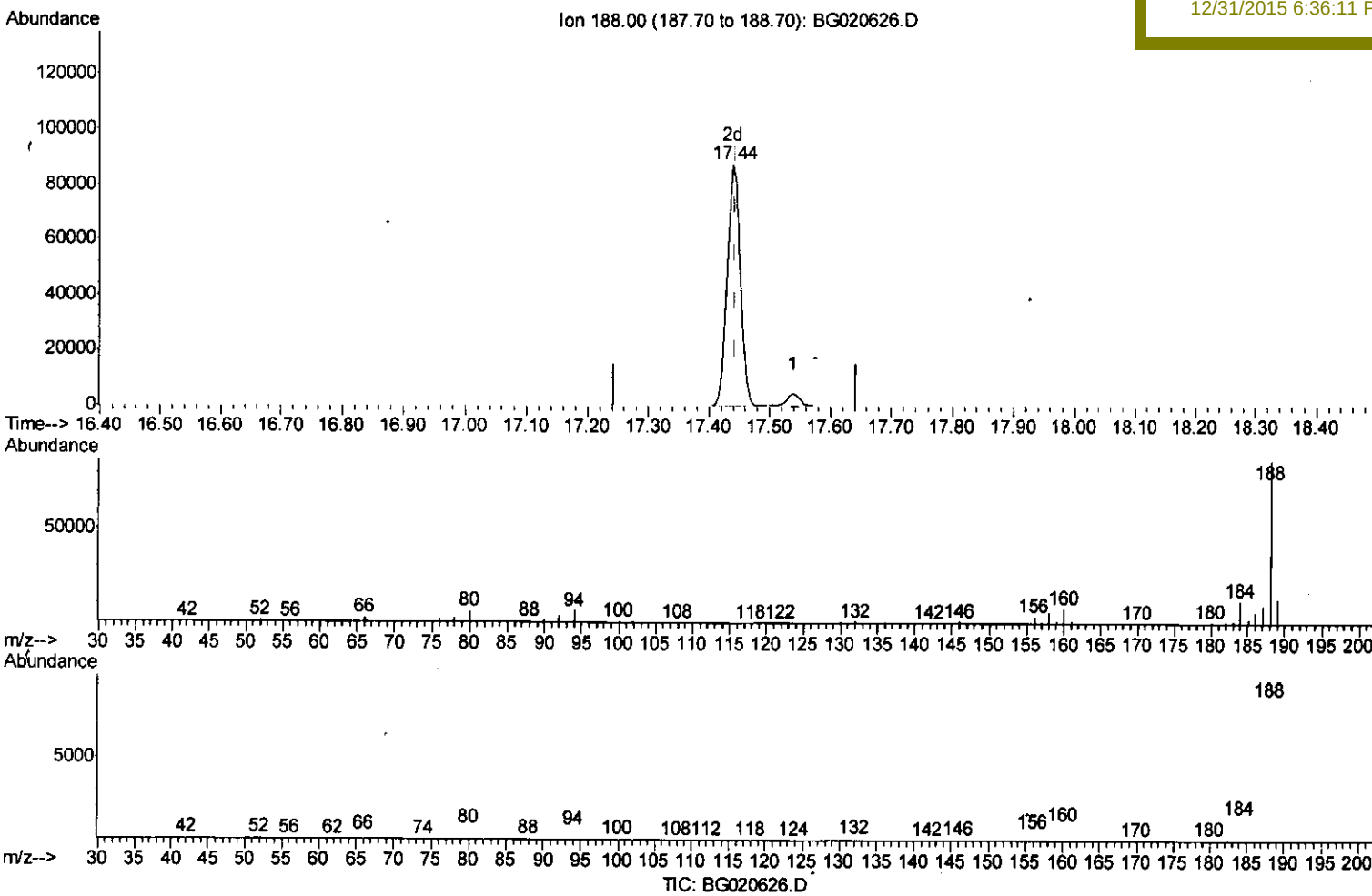
Instrument :
BNA_G
ClientSampleId :
D9N53DL

Manual Integrations APPROVED
Sohil
12/31/2015 6:36:11 PM



(62) Phenanthrene-d10 (I)

17.439min (-0.005) 20.00ng/ul m U.M 1/1/16

response 131060

Ion	Exp%	Act%
188.00	100	100
94.00	6.30	7.62#
80.00	7.70	7.25
0.00	0.00	0.00

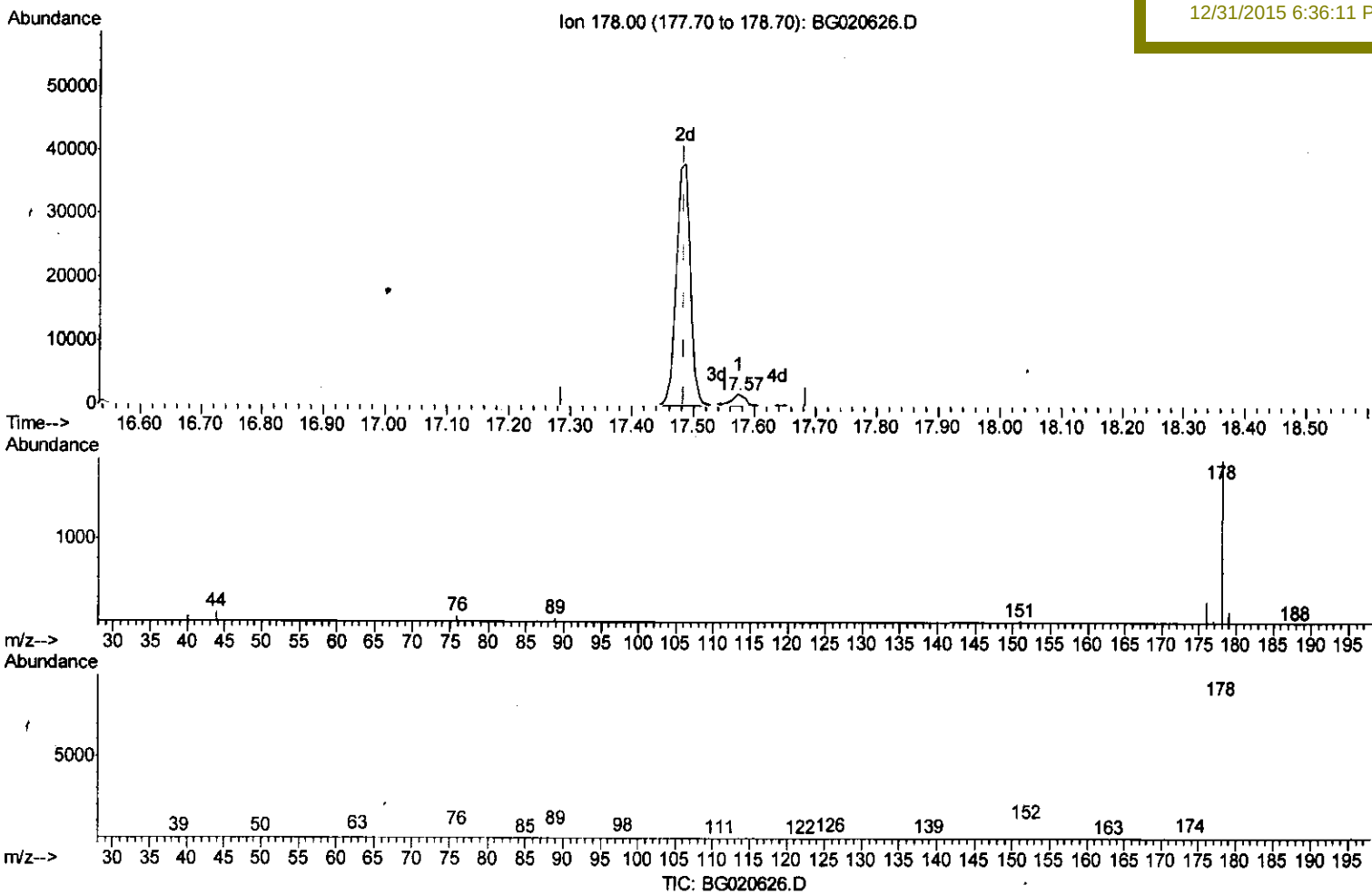
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020626.D
Acq On : 31 Dec 2015 3:00
Operator : UM/SJ
Sample : G4846-07DL 50X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 31 03:52:32 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 03:43:50 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53DL

Manual Integrations APPROVED
Sohil
12/31/2015 6:36:11 PM



TIC: BG020626.D

(70) Phenanthrene

17.574min (+0.089) 0.41ng/ul

response 2920

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	14.83
176.00	19.20	20.31
0.00	0.00	0.00

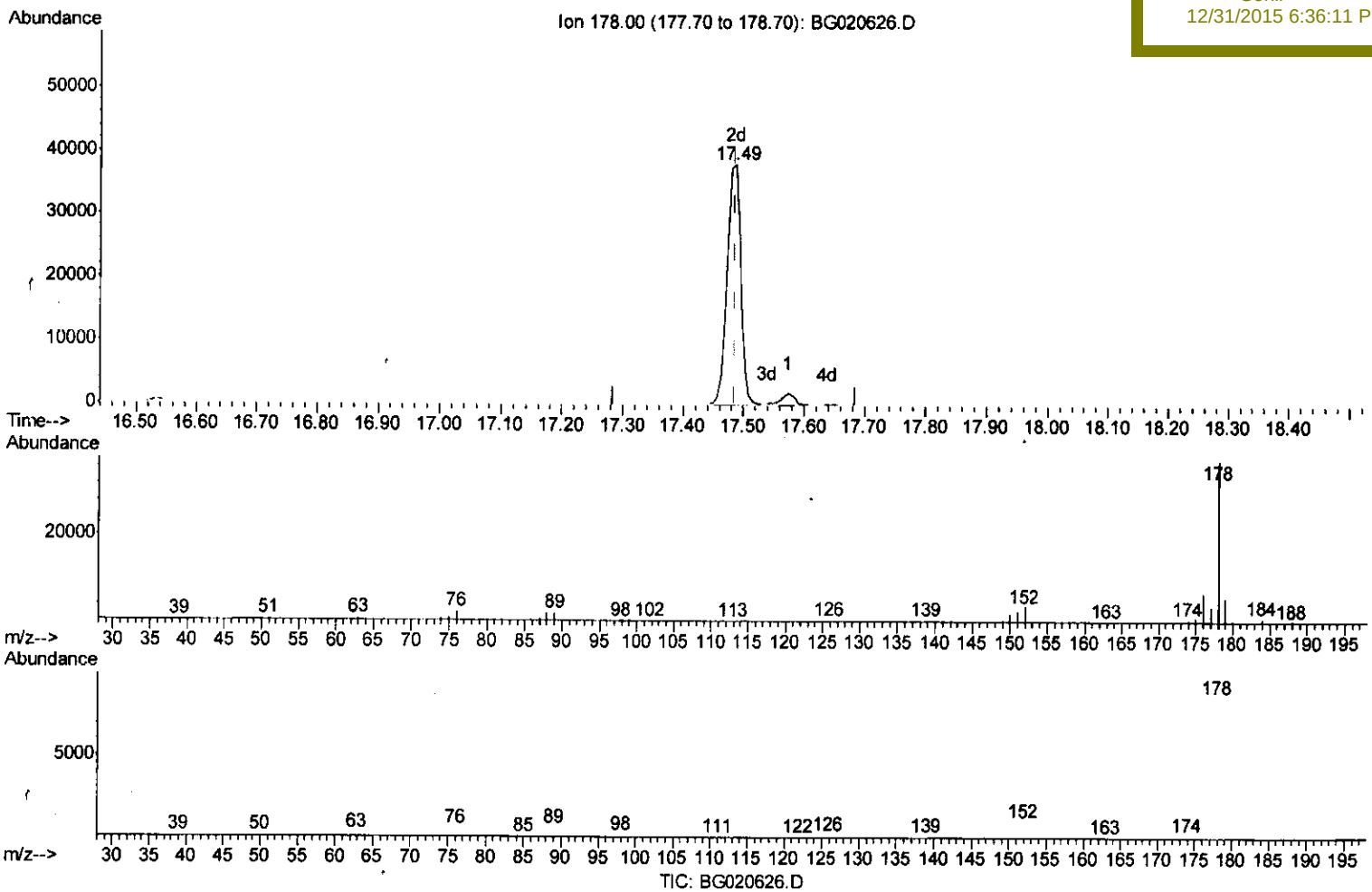
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020626.D
Acq On : 31 Dec 2015 3:00
Operator : UM/SJ
Sample : G4846-07DL 50X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Dec 31 03:52:32 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 03:43:50 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53DL

Manual Integrations APPROVED
Sohil
12/31/2015 6:36:11 PM



TIC: BG020626.D

(70) Phenanthrene

17.486min (+0.000) 8.42ng/ul m U.M 1/1/16

response 59960

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.45
176.00	19.20	18.32
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 03:43:50 2015
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : D9N53DL

Manual Integrations APPROVED
Sohil
12/31/2015 6:36:11 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	16014	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	69472	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	50348	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	131060m	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	161844	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	151522	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0d	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	7.39	67	258	0.32	ng/ul	0.00
9) 2-Chlorophenol-d4	0.00	132	0d	0.00	ng/ul	
13) 4-Methylphenol-d8	0.00	113	0d	0.00	ng/ul	
19) Nitrobenzene-d5	9.24	128	269	0.50	ng/ul	0.01
22) 2-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	10.52	165	624	0.53	ng/ul	0.02
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.10	166	3995	0.97	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	4325	0.92	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.69	176	3950	1.06	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.54	188	6932	1.14	ng/ul	0.00
79) Pyrene-d10	19.82	212	7397	1.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	7145	0.95	ng/ul	-0.01
Target Compounds						Qvalue
28) Naphthalene	10.93	128	198109	53.85	ng/ul	98
34) 2-Methylnaphthalene	12.53	142	23451	8.52	ng/ul	93
41) 1,1'-Biphenyl	13.53	154	6676	1.76	ng/ul	97
50) Acenaphthene	14.76	153	38402	11.38	ng/ul	99
54) Dibenzofuran	15.09	168	31189	6.12	ng/ul	96
59) Fluorene	15.74	166	26158	6.38	ng/ul	96
70) Phenanthrene	17.49	178	59960m	8.42	ng/ul	
75) Carbazole	17.84	167	25300	4.11	ng/ul	97
77) Fluoranthene	19.49	202	9239	1.06	ng/ul#	97

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