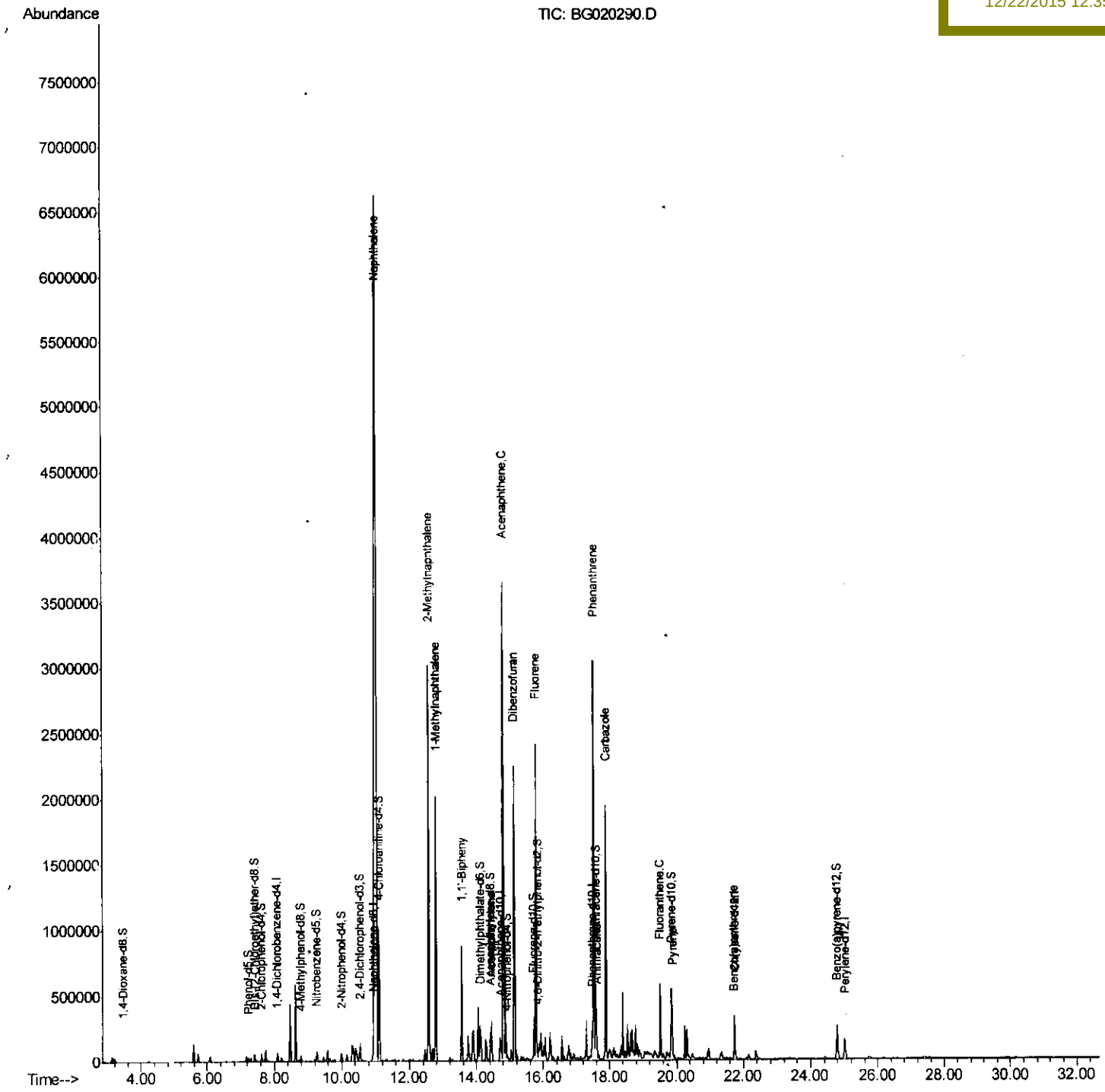
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020290.D
Acq On : 19 Dec 2015 00:46
Operator : UM/SJ
Sample : G4768-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 19 04:45:51 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N35

Manual Integrations APPROVED
apatel
12/22/2015 12:35:24 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020290.D
Acq On : 19 Dec 2015 00:46
Operator : CM/SJ
Sample : 64768-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 19 04:40:08 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N35

Manual Integrations APPROVED
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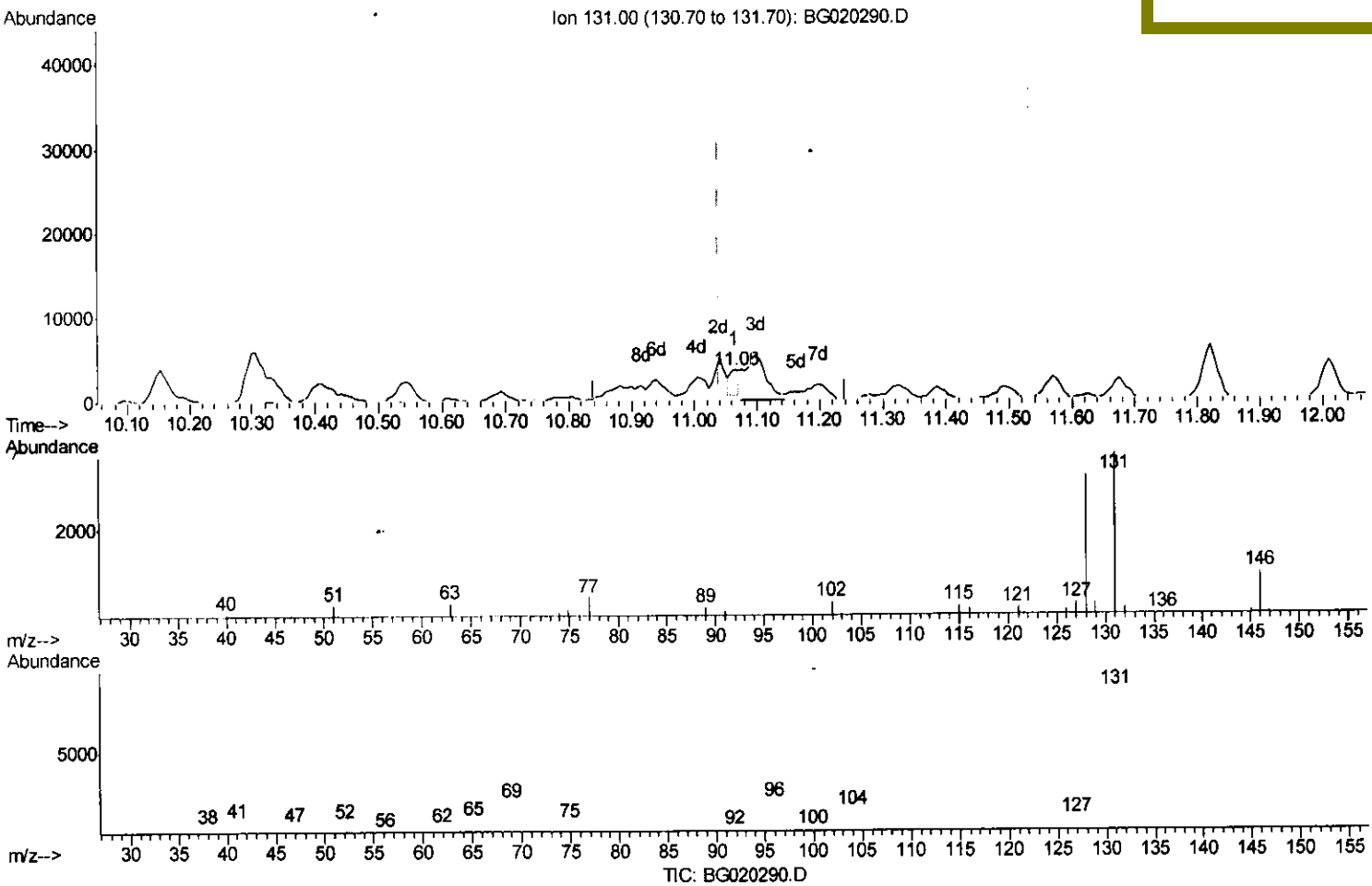


(29) 4-Chloroaniline-d4 (S)

11.063min (+0.023) 1.73ng/ul

response 2935

Ion	Exp%	Act%
131.00	100	100
133.00	30.40	0.00#
69.00	17.80	0.00#
0.00	0.00	0.00

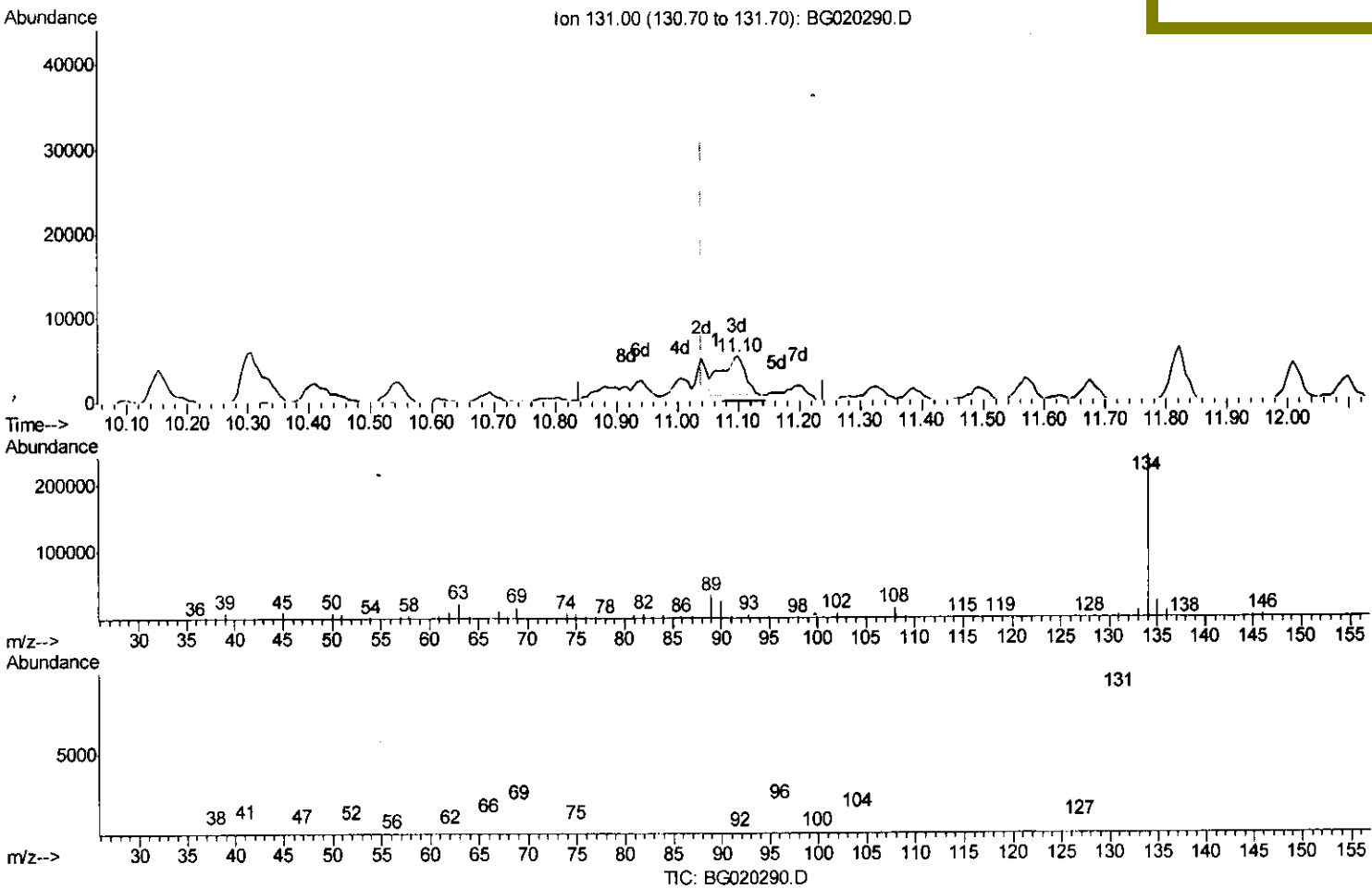
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020290.D
Acq On : 19 Dec 2015 00:46
Operator : UM/SJ
Sample : G4768-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 19 04:40:08 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N35

Manual Integrations APPROVED
apatel
12/22/2015 12:35:24 PM



(29) 4-Chloroaniline-d4 (S)

11.098min (+0.059) 7.45ng/ul m U.M 12/22/15

response 12629

Ion	Exp%	Act%
131.00	100	100
133.00	30.40	221.65#
69.00	17.80	319.79#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020290.D
Acq On : 19 Dec 2015 00:46
Operator : UM/SJ
Sample : G4768-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 19 04:40:08 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N35

Manual Integrations APPROVED
apatel
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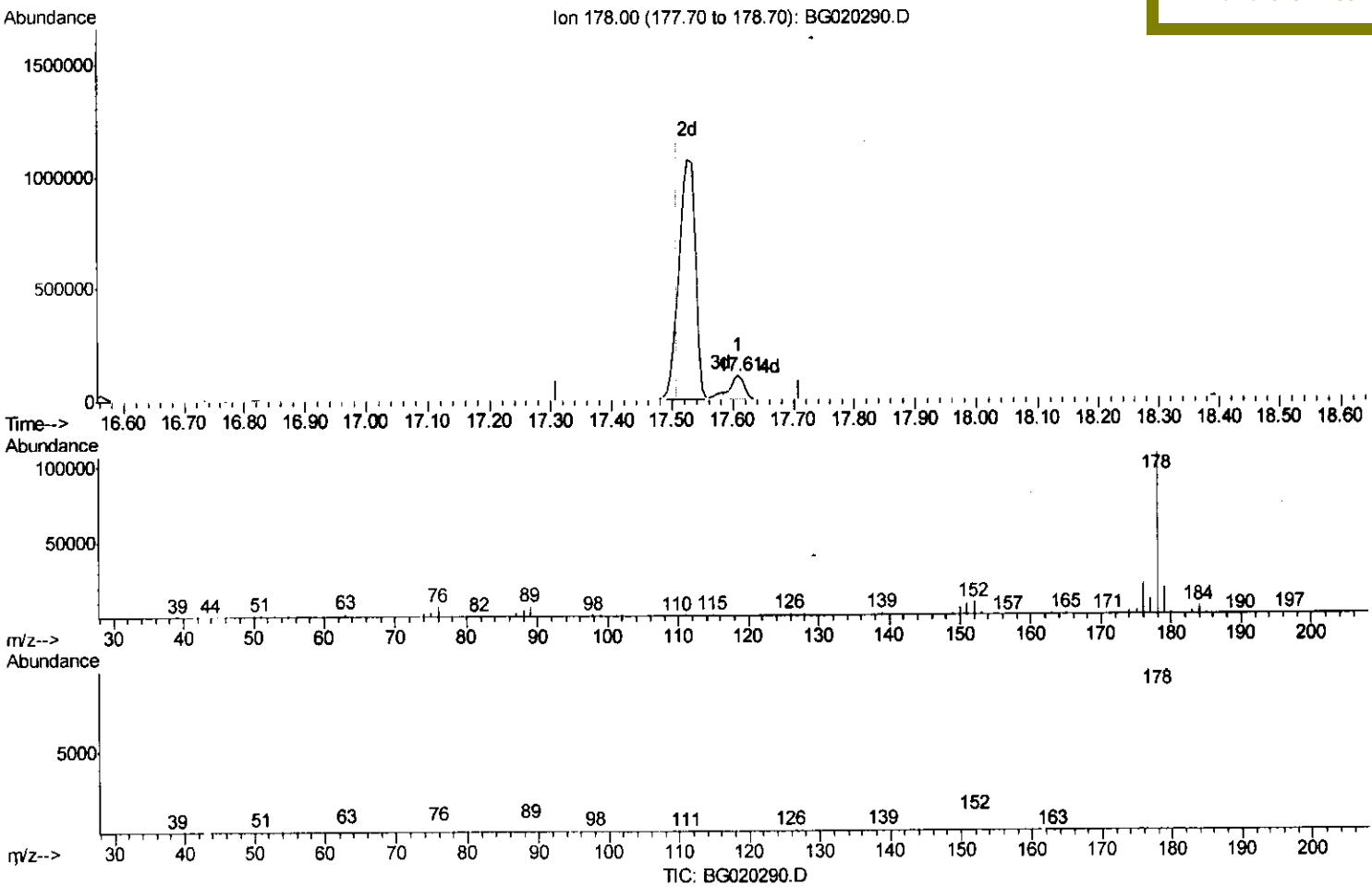


(70) Phenanthrene

17.608min (+0.100) 19.80ng/ul

response 154043

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	16.65
176.00	19.10	19.07
0.00	0.00	0.00

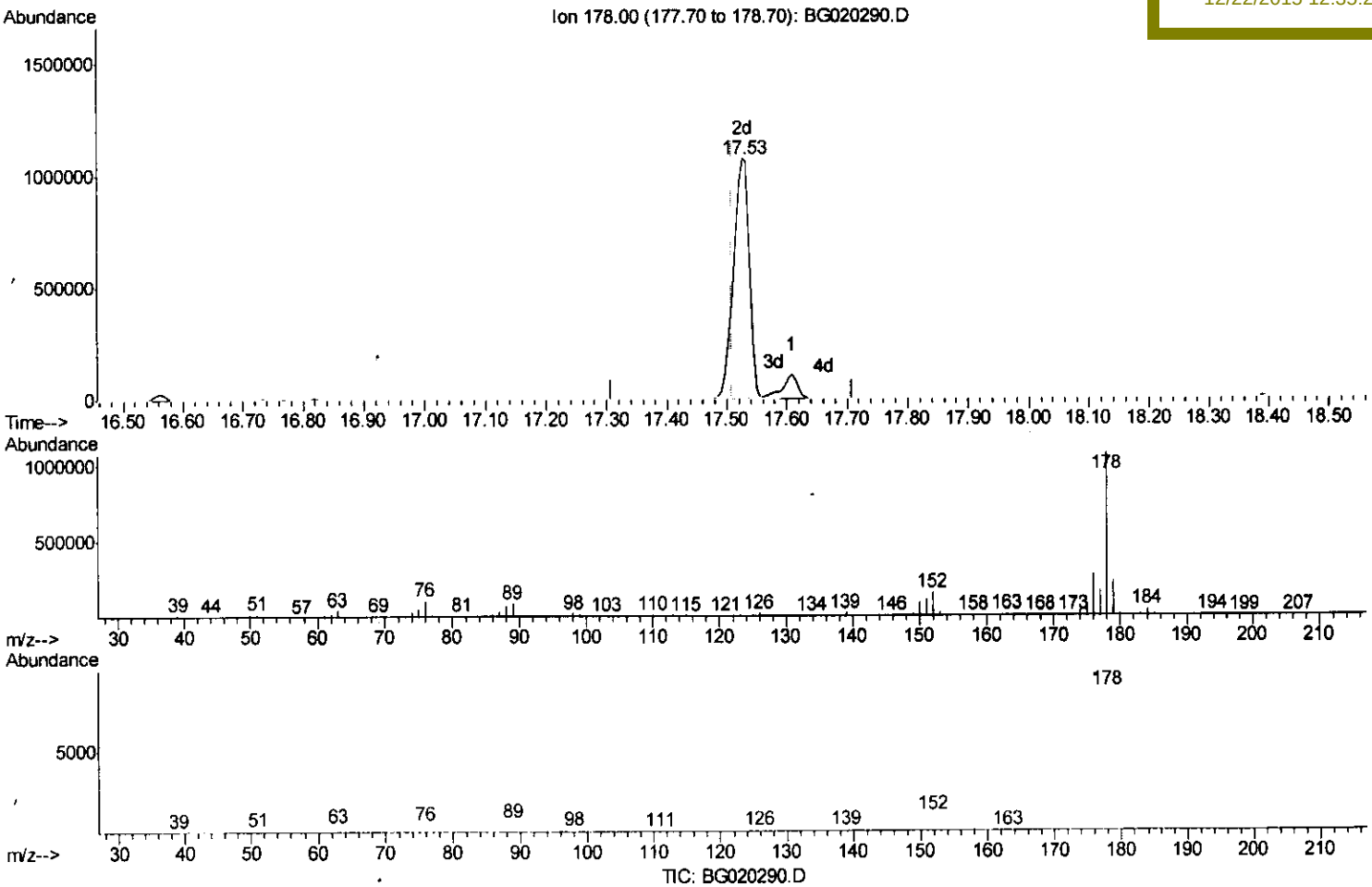
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020290.D
Acq On : 19 Dec 2015 00:46
Operator : UM/SJ
Sample : G4768-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 19 04:40:08 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N35

Manual Integrations APPROVED
apatel
12/22/2015 12:35:24 PM



(70) Phenanthrene

17.526min (+0.018) 260.59ng/ul m U.M 12/22/15

response 2026987

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	21.10#
176.00	19.10	25.14#
0.00	0.00	0.00

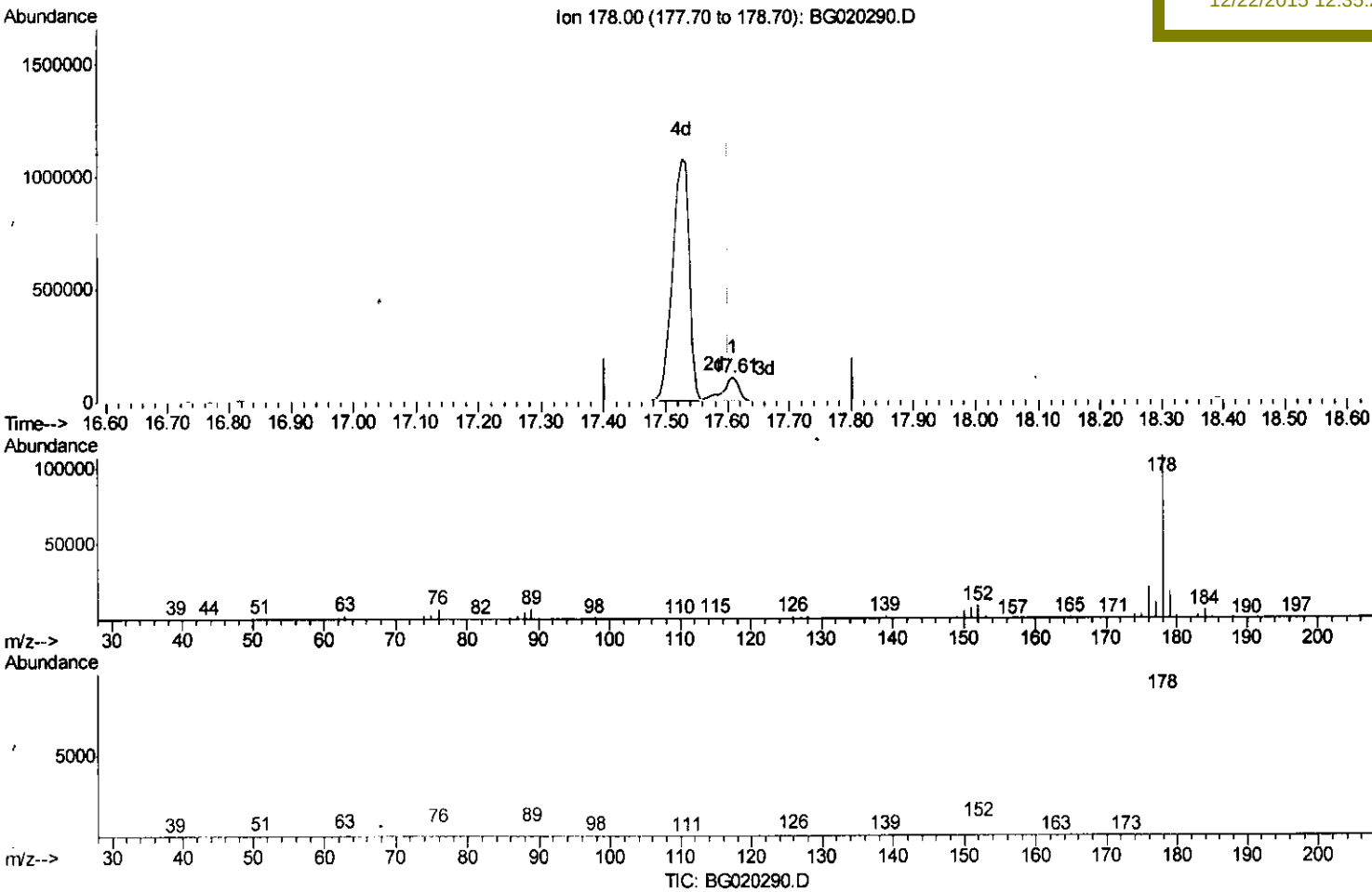
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020290.D
Acq On : 19 Dec 2015 00:46
Operator : UM/SJ
Sample : G4768-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 19 04:40:08 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
Quant Update : Sat Dec 19 03:45:12 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N35

Manual Integrations APPROVED
apatel
12/22/2015 12:35:24 PM



(72) Anthracene

17.608min (+0.006) 19.64ng/ul

response 154954

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	16.65
176.00	17.90	19.07
0.00	0.00	0.00

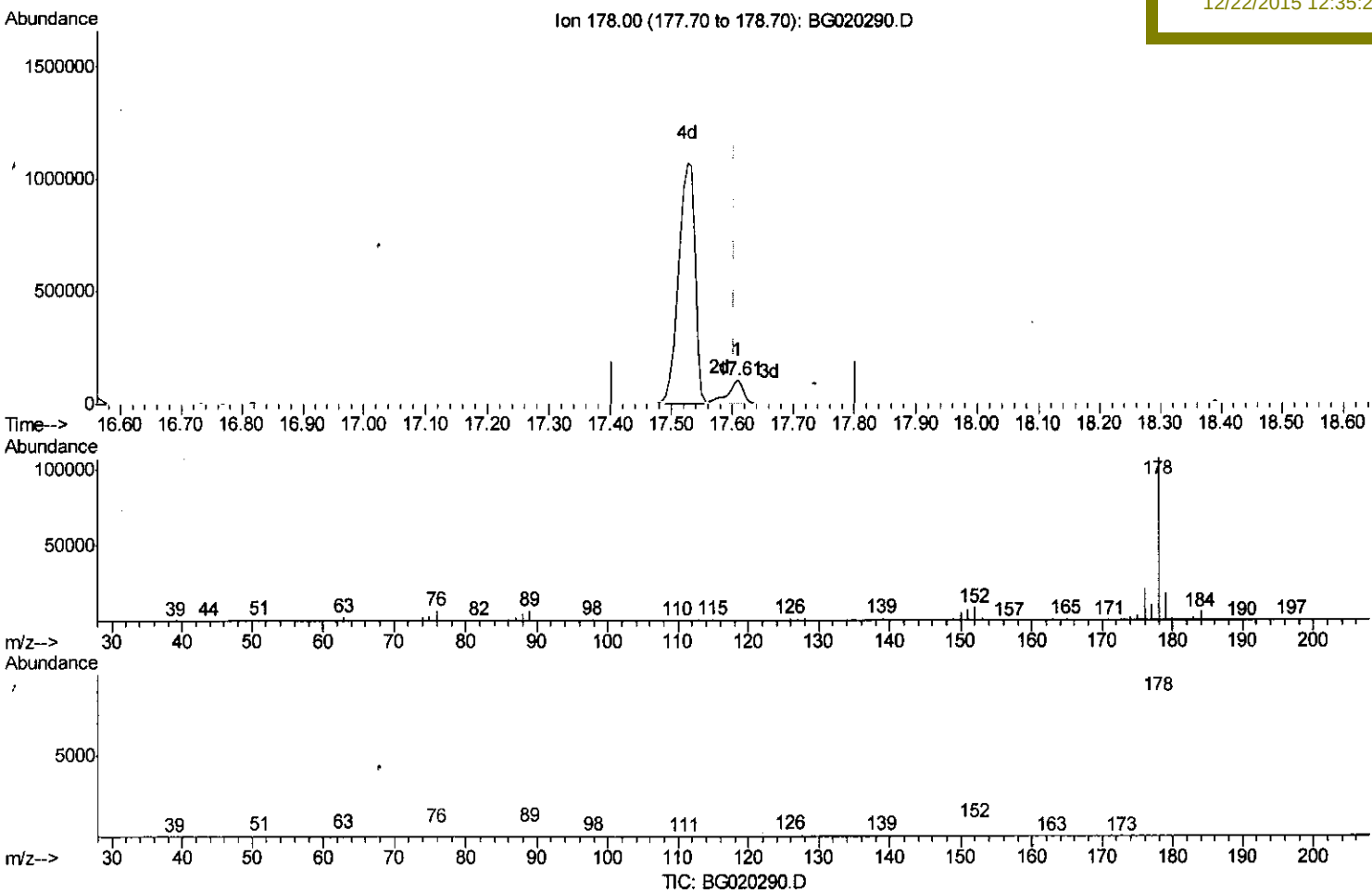
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020290.D
Acq On : 19 Dec 2015 00:46
Operator : UM/SJ
Sample : G4768-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 19 04:40:08 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N35

Manual Integrations APPROVED
apatel
12/22/2015 12:35:24 PM



(72) Anthracene

17.608min (+0.006) 24.27ng/ul m U.M 12/22/15

response 191465

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	16.65
176.00	17.90	19.07
0.00	0.00	0.00

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020290.D
Acq On : 19 Dec 2015 00:46
Operator : UM/SJ
Sample : G4768-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 19 04:45:51 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : D9N35

Manual Integrations APPROVED
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12/22/2015 12:35:24 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	20046	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	85937	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.73	164	60504	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	142204	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	190373	20.00	ng/ul	0.00
86) Perylene-d12	23.02	264	179693	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	596	1.64	ng/uL	0.00
5) Phenol-d5	7.24	99	11287	6.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	32718	31.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	32922	25.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	22195	14.68	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	22708	33.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	25388	34.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	42856	28.38	ng/ul	0.01
29) 4-Chloroaniline-d4	11.10	131	12629m	7.45	ng/ul	0.06
44) Dimethylphthalate-d6	14.13	166	157550	32.19	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	180851	31.76	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	5786	6.59	ng/ul	0.00
58) Fluorene-d10	15.72	176	143653	32.36	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	24455	29.01	ng/ul	0.00
71) Anthracene-d10	17.57	188	225225	34.37	ng/ul	0.00
79) Pyrene-d10	19.85	212	274023	30.88	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	309431	34.52	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	11.03	128	7688890	1713.30	ng/ul#	49
34) 2-Methylnaphthalene	12.56	142	1603218	467.69	ng/ul	100
35) 1-Methylnaphthalene	12.80	142	992809	301.26	ng/ul#	96
41) 1,1'-Biphenyl	13.56	154	473796	103.80	ng/ul	97
48) Acenaphthylene	14.45	152	164530	27.20	ng/ul	98
50) Acenaphthene	14.81	153	1740358	427.60	ng/ul	93
54) Dibenzofuran	15.13	168	1453987	240.15	ng/ul	90
59) Fluorene	15.79	166	1206552	248.16	ng/ul	98
70) Phenanthrene	17.53	178	2026987m	260.59	ng/ul	
72) Anthracene	17.61	178	191465m	24.27	ng/ul	
75) Carbazole	17.88	167	1432067	216.03	ng/ul	93
77) Fluoranthene	19.52	202	373220	41.06	ng/ul	98
80) Pyrene	19.88	202	217049	18.84	ng/ul	98
83) Benzo(a)anthracene	21.72	228	11227	1.01	ng/ul	95

U.M 12/22/15

U.M 12/22/15

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