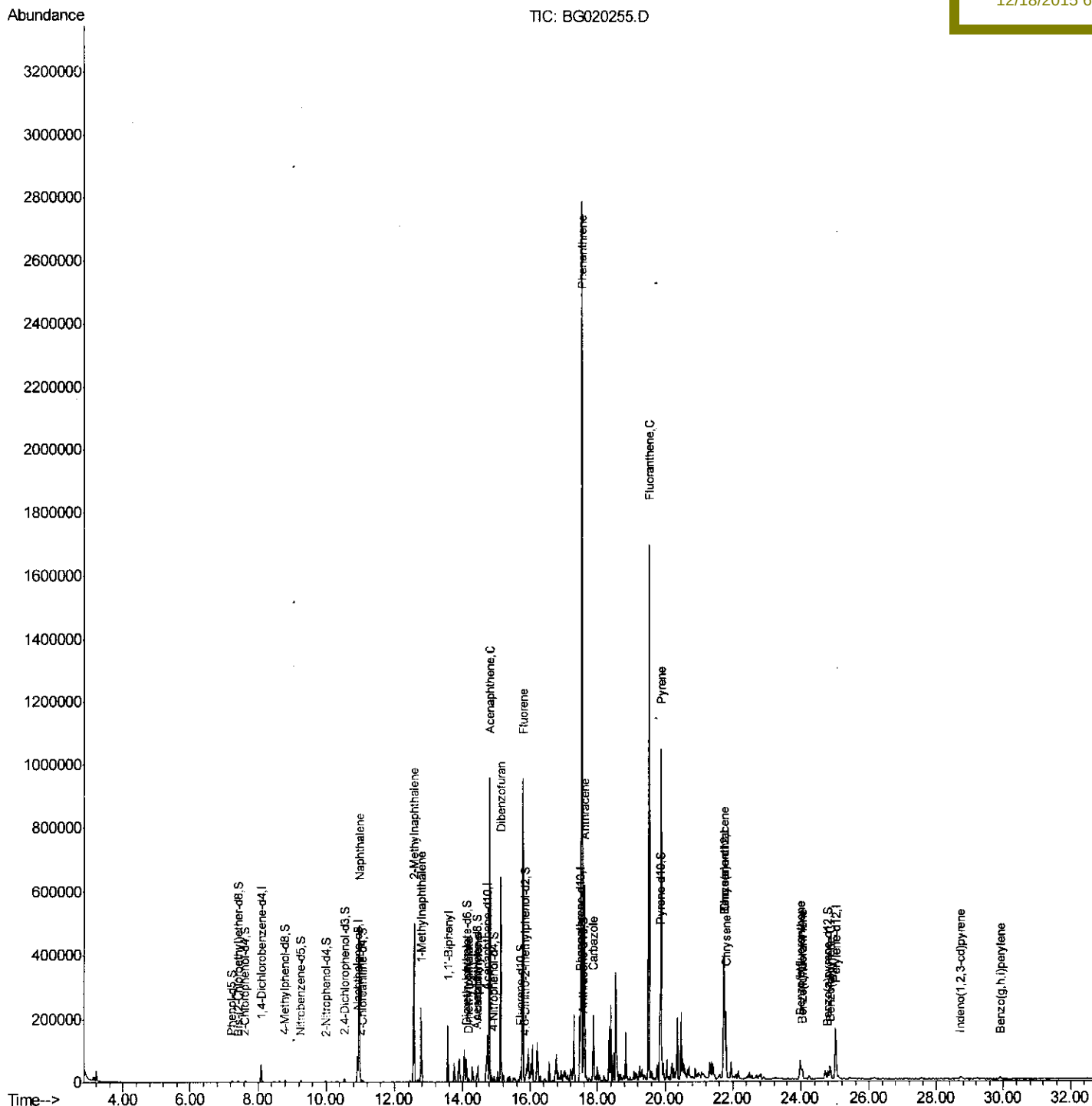


(QT Reviewed)

Quant Time: Dec 18 04:14:12 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 18 02:40:02 2015
Response via : Initial Calibration

Manual Integrations

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Quantitation Report (Qedit)

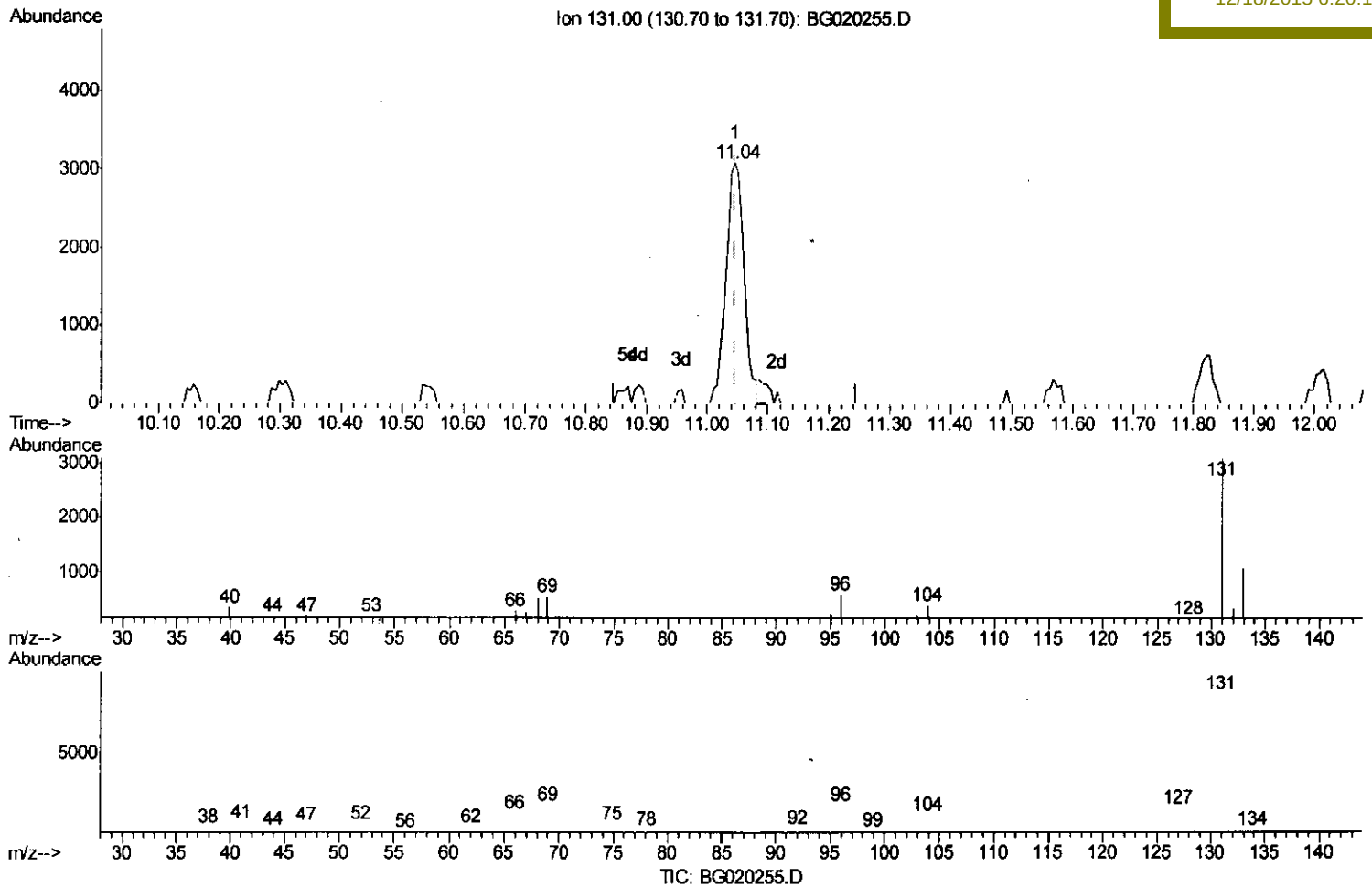
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020255.D
 Acq On : 17 Dec 2015 21:10
 Operator : UM/SJ
 Sample : G4767-07DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N29DL

Quant Time: Dec 18 02:43:45 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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(29) 4-Chloroaniline-d4 (S)

11.045min (-0.001) 4.24ng/ul

response 6376

Ion	Exp%	Act%
131.00	100	100
133.00	30.40	35.15
69.00	17.80	17.57
0.00	0.00	0.00

Quantitation Report (Qedit)

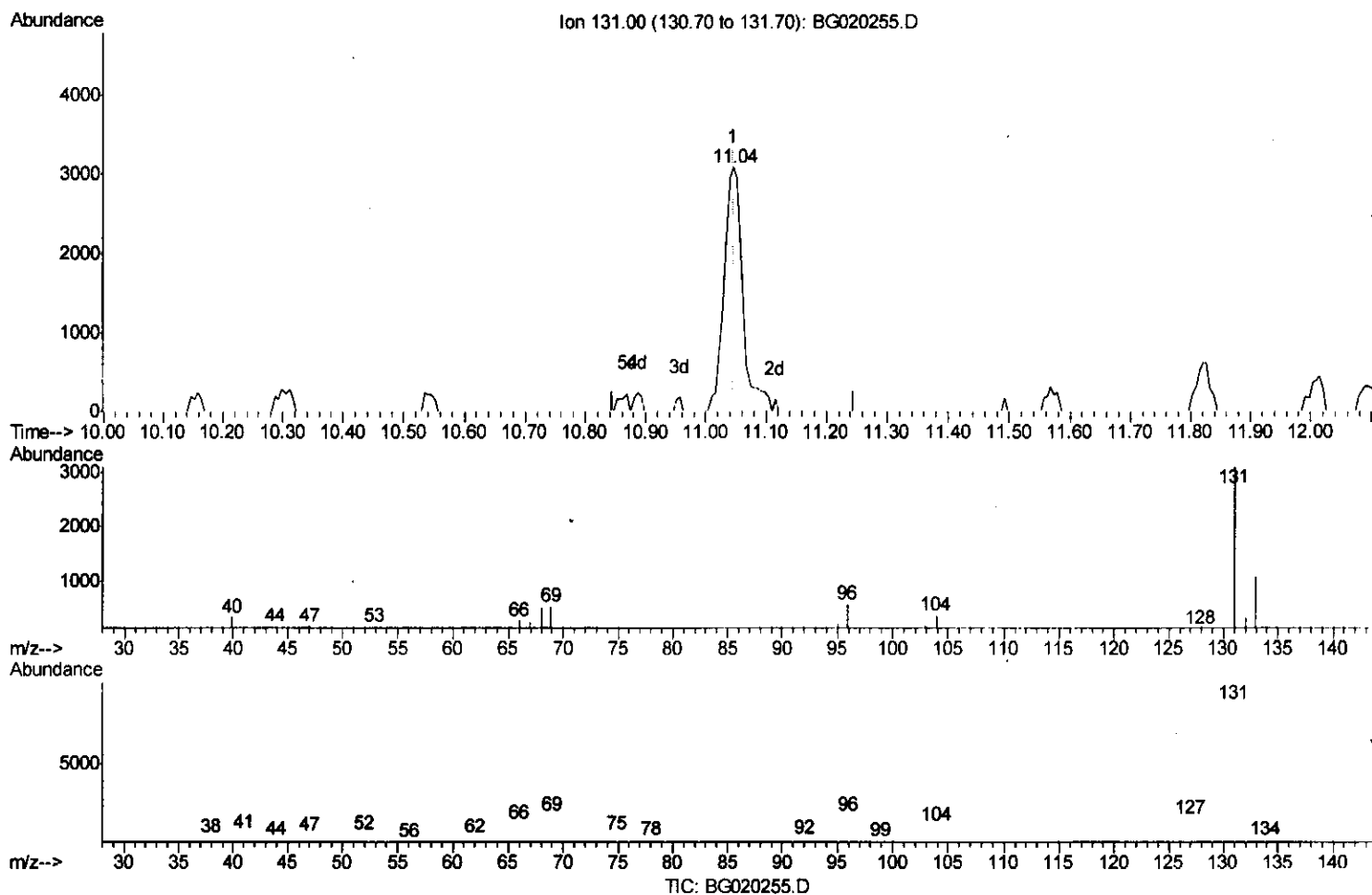
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020255.D
 Acq On : 17 Dec 2015 21:10
 Operator : UM/SJ
 Sample : G4767-07DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 D9N29DL

Manual Integrations
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 12/18/2015 6:20:18 PM

Quant Time: Dec 18 02:43:45 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration



(29) 4-Chloroaniline-d4 (S)

11.045min (-0.001) 4.47ng/ul m U.M

response 6723

Ion Exp% Act%

131.00	100	100
133.00	30.40	35.15
69.00	17.80	17.57
0.00	0.00	0.00

12/21/15

Quantitation Report (Qedit)

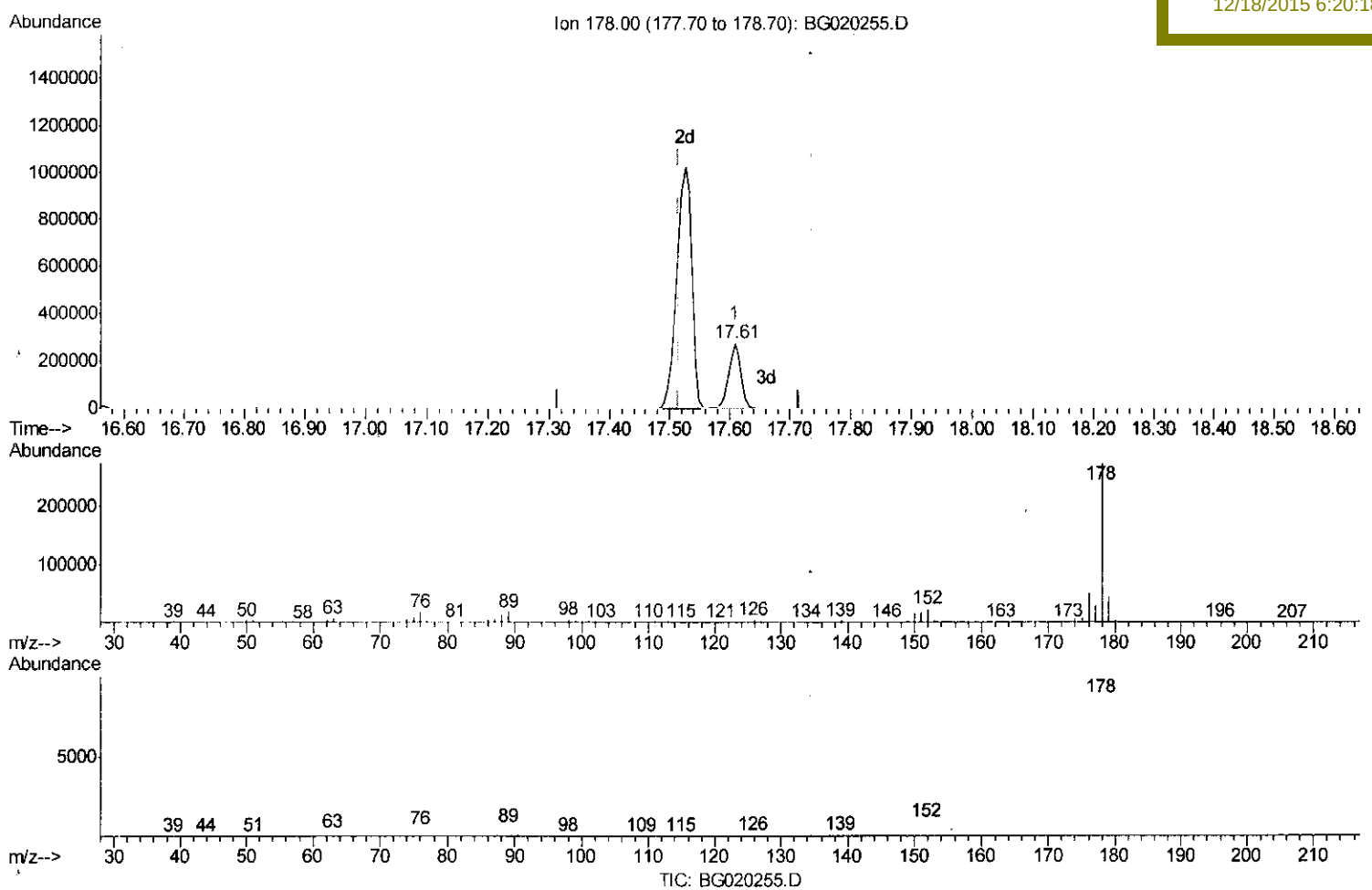
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020255.D
 Acq On : 17 Dec 2015 21:10
 Operator : UM/SJ
 Sample : G4767-07DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N29DL

Quant Time: Dec 18 02:43:45 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SYOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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(70) Phenanthrene

17.608min (+0.093) 51.30ng/ul

response 390711

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	16.39
176.00	19.10	18.75
0.00	0.00	0.00

Quantitation Report (Qedit)

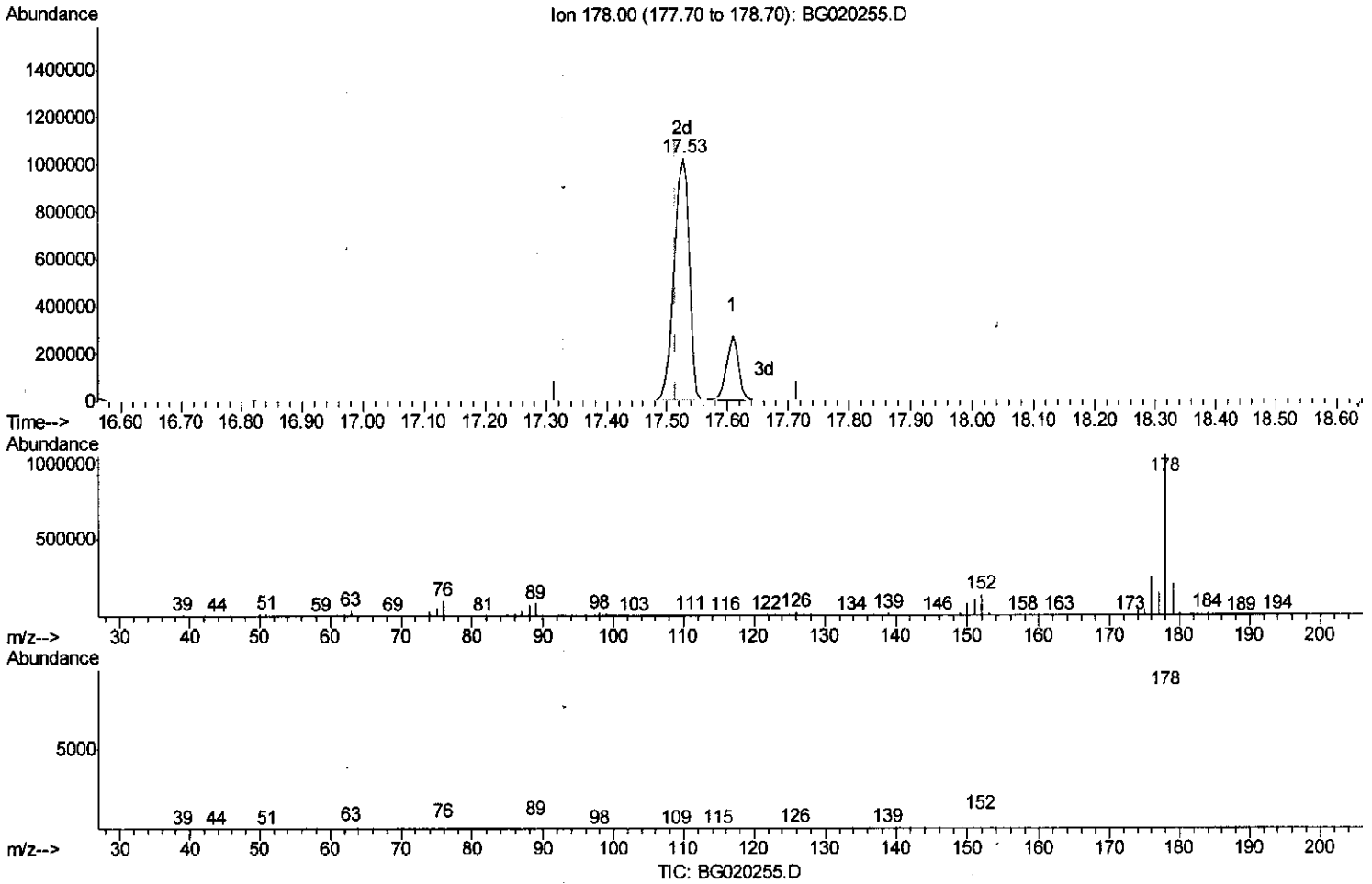
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020255.D
 Acq On : 17 Dec 2015 21:10
 Operator : UM/SJ
 Sample : G4767-07DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 D9N29DL

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:18 PM

Quant Time: Dec 18 02:43:45 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
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(70) Phenanthrene

17.526min (+0.011) 233.15ng/ul m U.M

response 1775722

Ion Exp% Act%

178.00 100 100

179.00 16.10 20.03#

176.00 19.10 24.24#

0.00 0.00 0.00

Quantitation Report (Qedit)

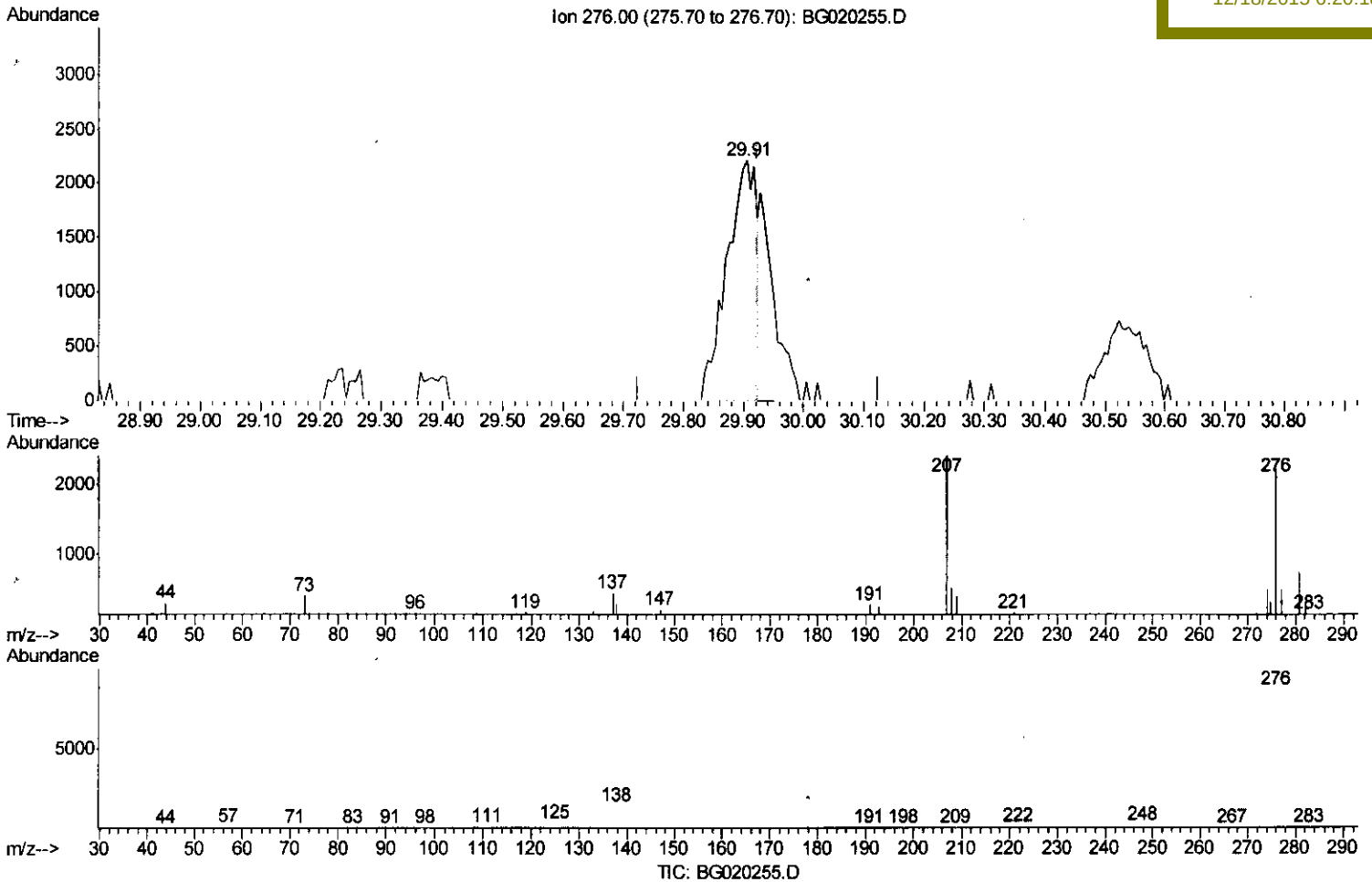
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020255.D
 Acq On : 17 Dec 2015 21:10
 Operator : UM/SJ
 Sample : G4767-07DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N29DL

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:18 PM

Quant Time: Dec 18 04:13:01 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration



(94) Benzo(g,h,i)perylene

29.905min (-0.019) 0.76ng/ul

response 7477

Ion	Exp%	Act%
276.00	100	100
138.00	13.50	13.27
277.00	24.90	23.10
0.00	0.00	0.00

Quantitation Report (Qedit)

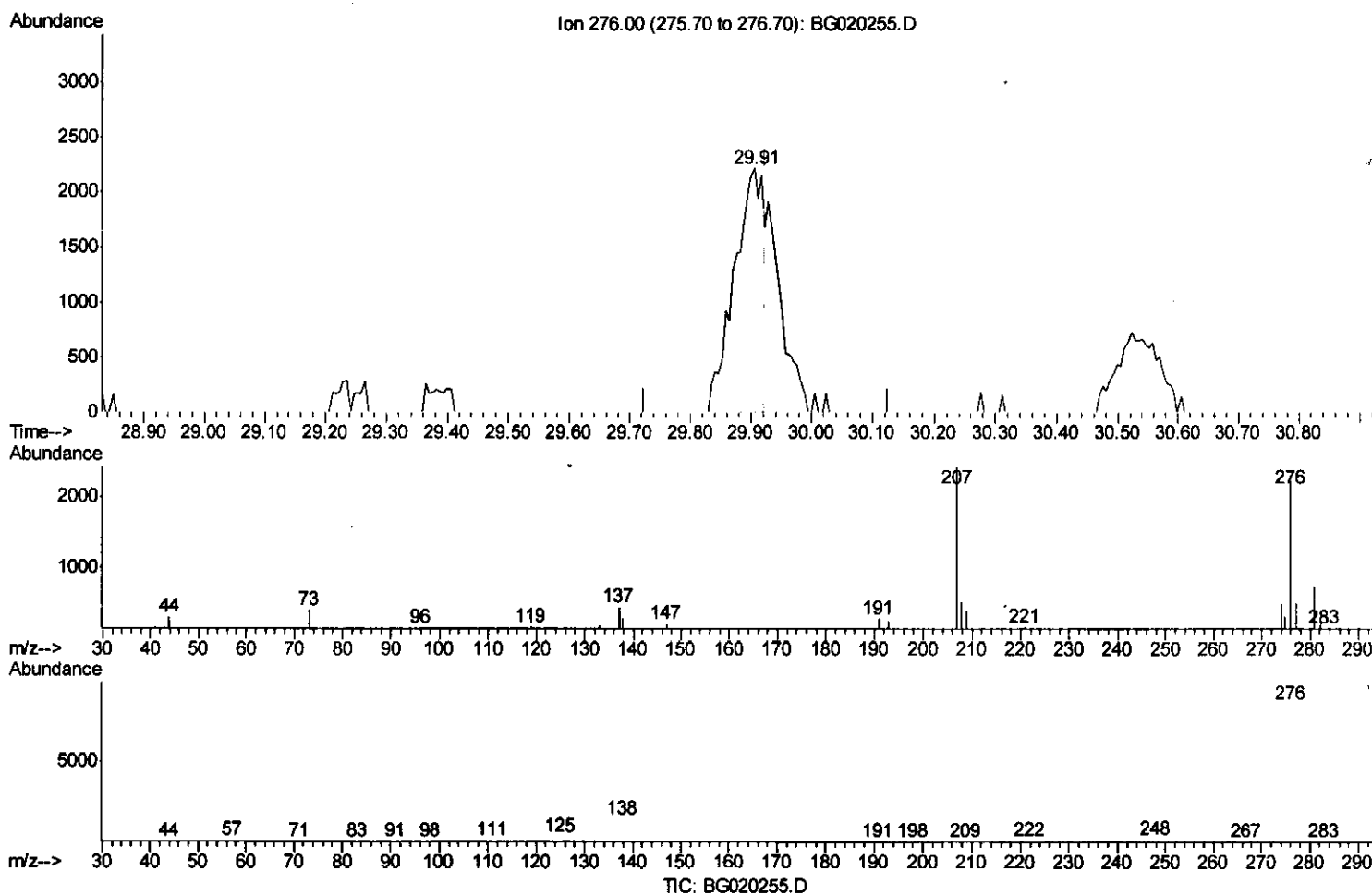
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020255.D
 Acq On : 17 Dec 2015 21:10
 Operator : UM/SJ
 Sample : G4767-07DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N29DL

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:18 PM

Quant Time: Dec 18 04:13:01 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration



(94) Benzo(g,h,i)perylene

29.905min (-0.019) 1.10ng/ul m

response 10799

Ion Exp% Act%

276.00	100	100
138.00	13.50	13.27
277.00	24.90	23.10
0.00	0.00	0.00

U.M
 12/21/15

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020255.D
 Acq On : 17 Dec 2015 21:10
 Operator : UM/SJ
 Sample : G4767-07DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 D9N29DL

Manual Integrations
 APPROVED

MMdadoda
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Quant Time: Dec 18 04:14:12 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	17380	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	76277	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	55014	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	139238	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	180770	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	176012	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	7.24	99	4929	3.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	3326	3.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	4013	3.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	4312	3.29	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	2089	3.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	2553	3.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	4270	3.19	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	6723m	4.47	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	18345	4.12	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	19244	3.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	2197	2.75	ng/ul	0.00
58) Fluorene-d10	15.72	176	15592	3.86	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	1239	1.50	ng/ul	0.00
71) Anthracene-d10	17.57	188	25106	3.91	ng/ul	0.00
79) Pyrene-d10	19.85	212	30848	3.66	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	33544	3.82	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.96	128	426351	107.03	ng/ul	98
34) 2-Methylnaphthalene	12.56	142	239246	78.63	ng/ul	99
35) 1-Methylnaphthalene	12.78	142	108541	37.11	ng/ul#	94
41) 1,1'-Biphenyl	13.56	154	97967	23.60	ng/ul	94
45) Dimethylphthalate	14.17	163	9389	2.07	ng/ul#	95
48) Acenaphthylene	14.45	152	24660	4.48	ng/ul#	93
50) Acenaphthene	14.79	153	411481	111.19	ng/ul	99
54) Dibenzofuran	15.12	168	430933	78.28	ng/ul	97
59) Fluorene	15.77	166	441149	99.79	ng/ul	98
70) Phenanthrene	17.53	178	1775722m	233.15	ng/ul	
72) Anthracene	17.61	178	390711	50.58	ng/ul	98
75) Carbazole	17.87	167	132713	20.45	ng/ul	98
77) Fluoranthene	19.52	202	1080992	121.45	ng/ul	99
80) Pyrene	19.89	202	749602	68.51	ng/ul	99
83) Benzo(a)anthracene	21.73	228	191104	18.12	ng/ul	99
85) Chrysene	21.79	228	155072	15.61	ng/ul	97
88) Benzo(b)fluoranthene	23.98	252	84637	7.99	ng/ul	99
89) Benzo(k)fluoranthene	24.04	252	27185	2.67	ng/ul	98
91) Benzo(a)pyrene	24.86	252	48205	4.80	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.73	276	14902	1.25	ng/ul#	92
94) Benzo(g,h,i)perylene	29.91	276	10799m	1.10	ng/ul	

Quantitation Report (QT Reviewed)

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 Operator : UM/SJ
 Sample : G4767-07DL 5X
 Misc :
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Instrument :
 BNA_G
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Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:18 PM

Quant Time: Dec 18 04:14:12 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration

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

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