

(QT/LSC Reviewed)

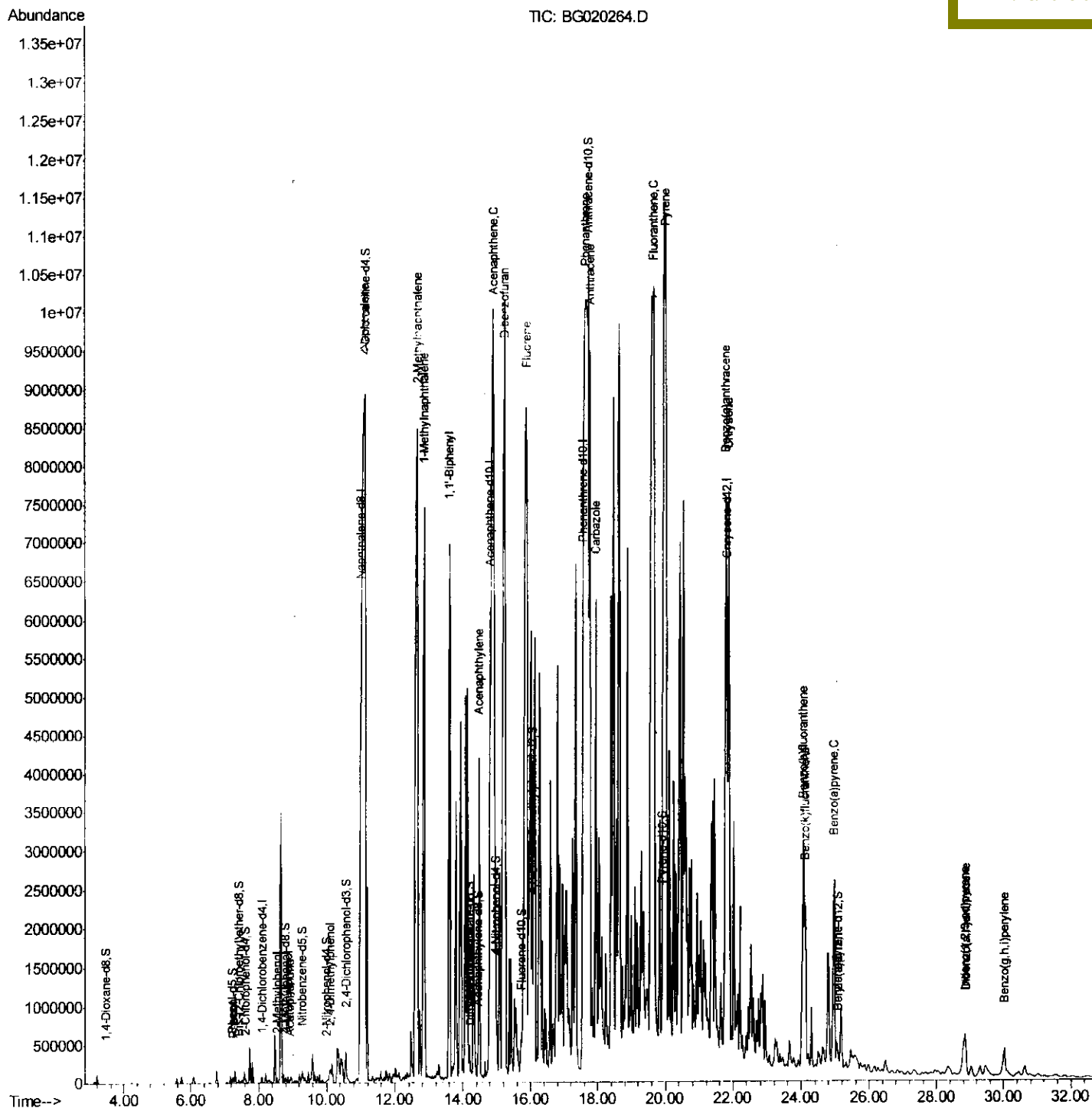
```
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\  
Data File : BG020264.D  
Acq On    : 18 Dec 2015    3:21  
Operator  : UM/SJ  
Sample    : G4767-22RE  
Misc      :  
ALS Vial  : 1 Sample Multiplier: 1
```

Instrument :
BNA_G
ClientSampleId :
D9N44RE

Quant Time: Dec 18 15:36:47 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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Quantitation Report (Qedit)

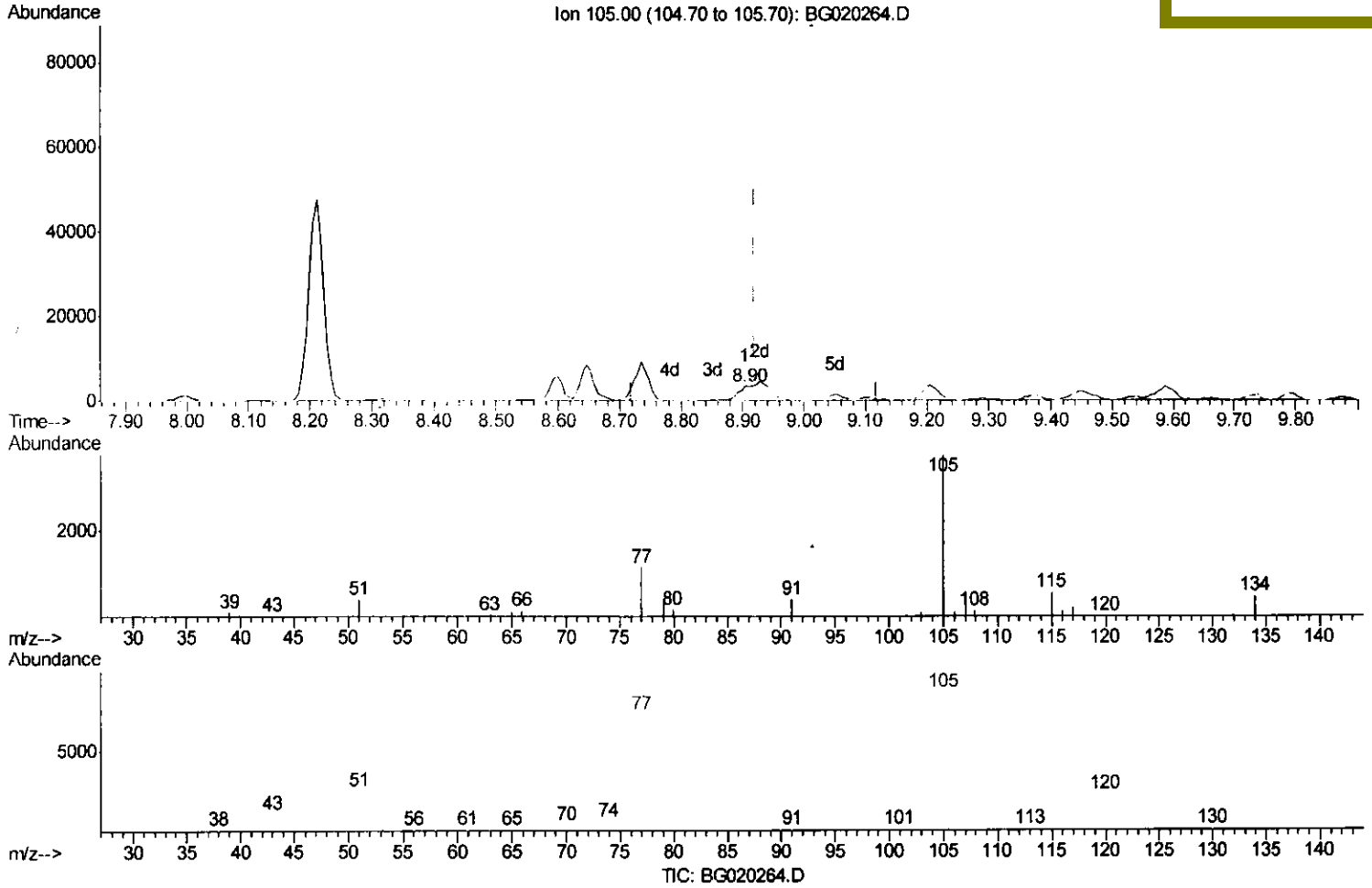
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:02:48 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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(14) Acetophenone

8.905min (-0.015) 1.68ng/ul

response 5000

Ion	Exp%	Act%
105.00	100	100
77.00	81.50	34.05#
51.00	28.20	15.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

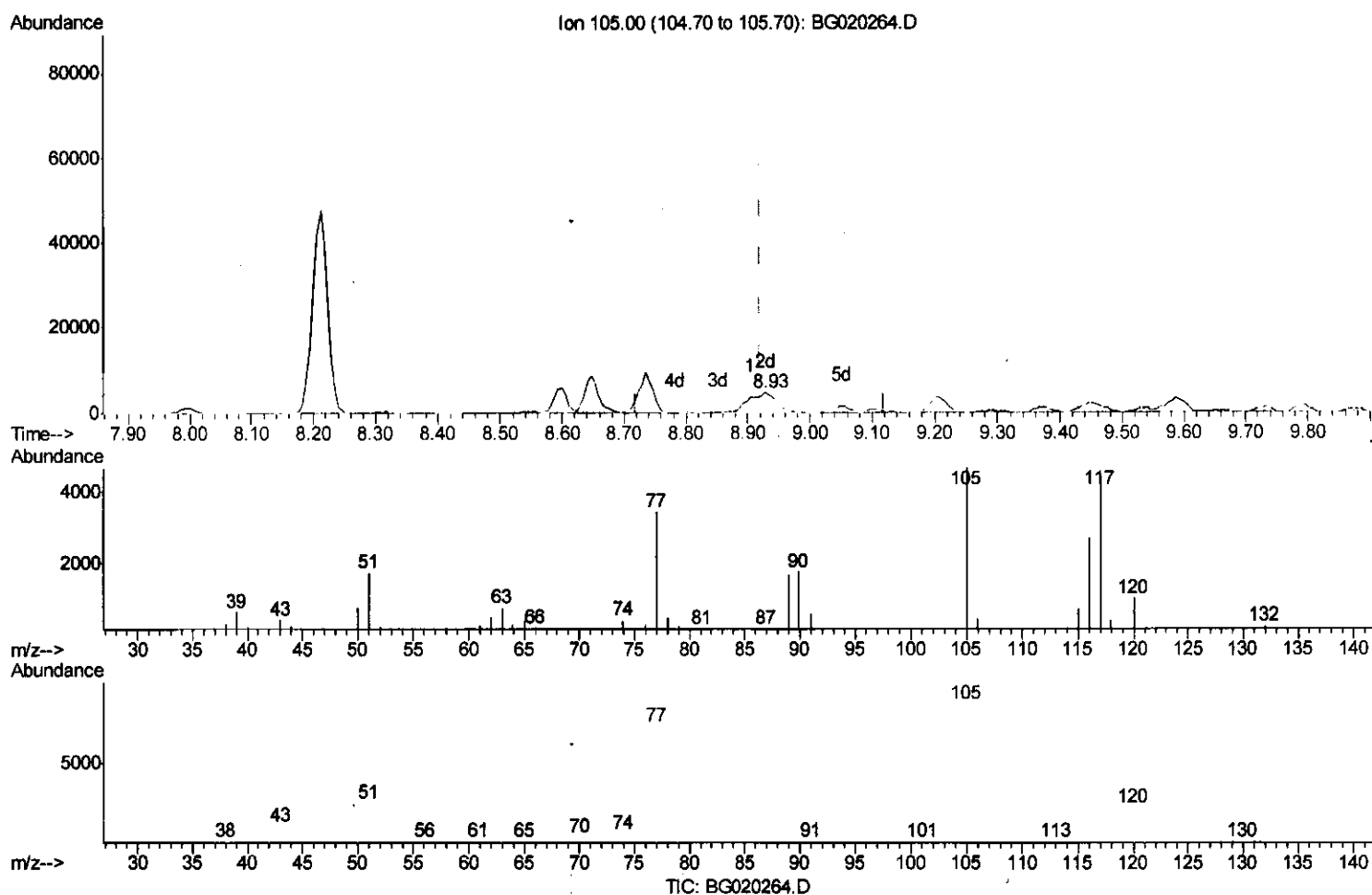
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

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Quant Time: Dec 18 15:02:48 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



(14) Acetophenone

8.928min (+0.009) 4.84ng/ul m U.M

response 14410

Ion Exp% Act%

105.00 100 100

77.00 81.50 73.99

51.00 28.20 37.13#

0.00 0.00 0.00

Quantitation Report (Qedit)

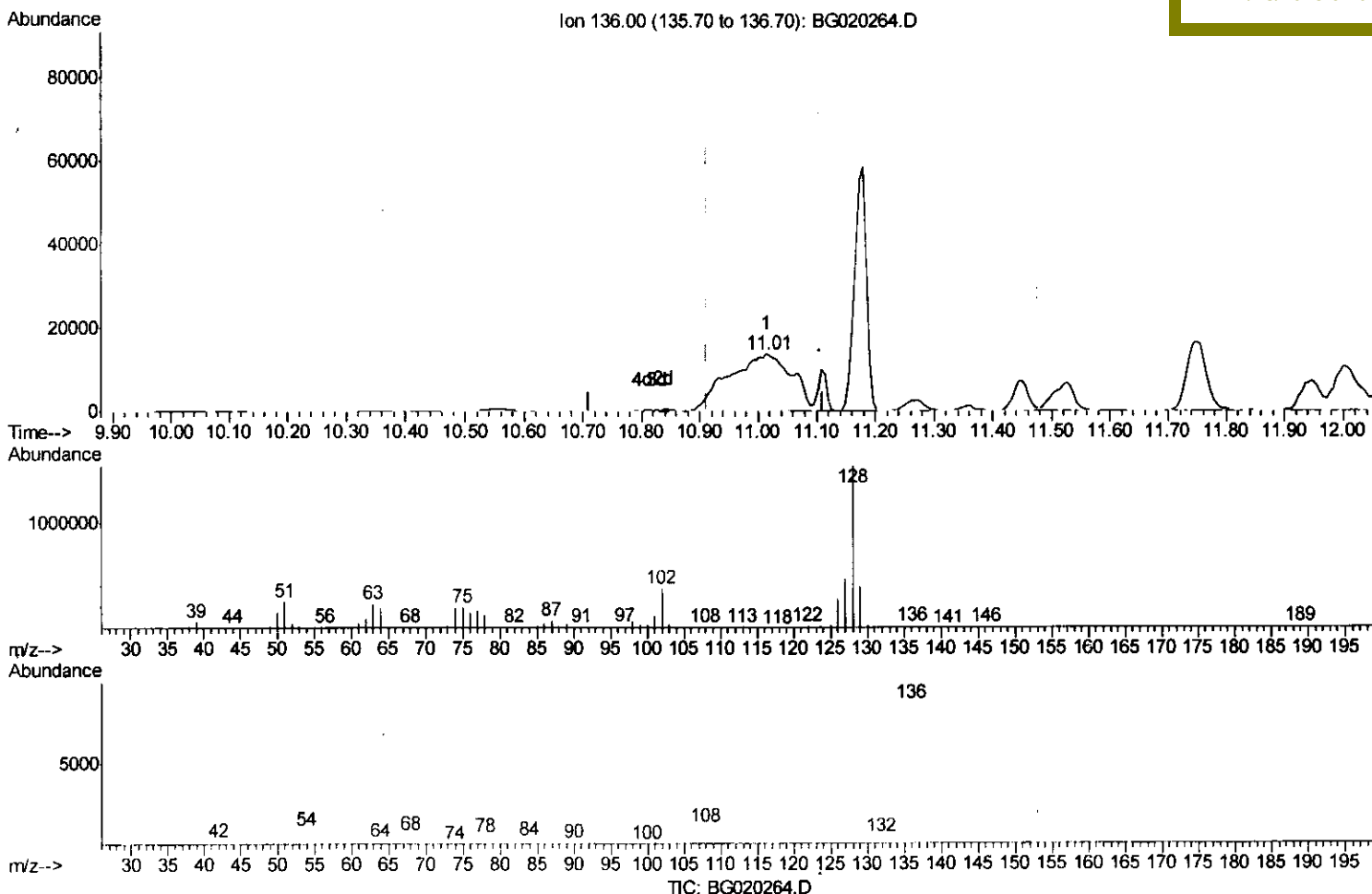
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
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Quant Time: Dec 18 15:02:48 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



(18) Naphthalene-d8 (I)

11.014min (+0.103) 20.00ng/ul

response 90576

Ion	Exp%	Act%
136.00	100	100
68.00	5.80	5.39
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

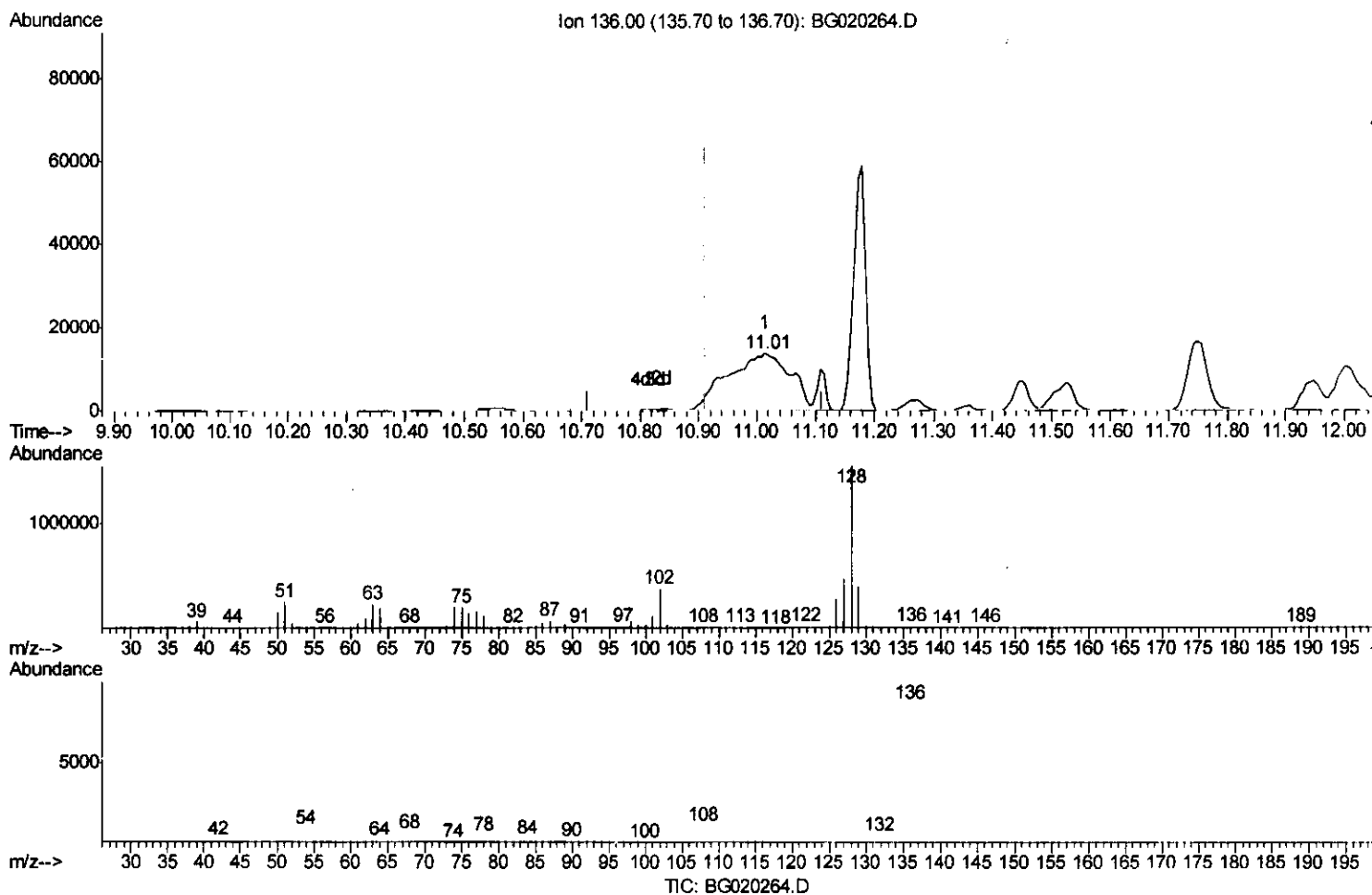
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
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Quant Time: Dec 18 15:02:48 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



(18) Naphthalene-d8 (I)

11.014min (+0.103) 20.00ng/ul m U.M

response 103097

Ion	Exp%	Act%
136.00	100	100
68.00	5.80	5.39
0.00	0.00	0.00
0.00	0.00	0.00

12/21/15

Quantitation Report (Qedit)

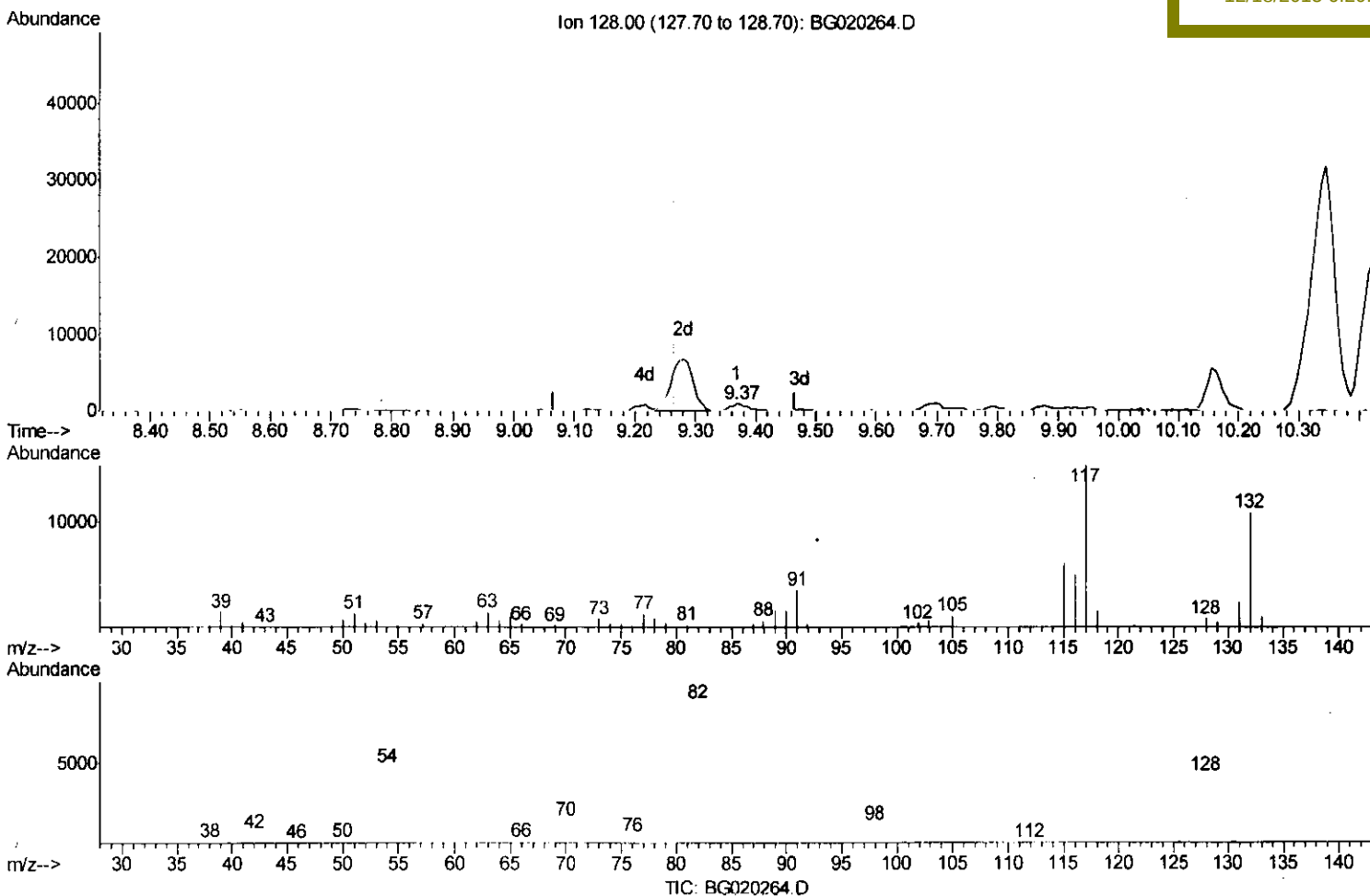
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:10:10 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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(19) Nitrobenzene-d5 (S)

9.369min (+0.103) 2.48ng/ul

response 1997

Ion	Exp%	Act%
128.00	100	100
82.00	258.00	0.00#
54.00	123.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

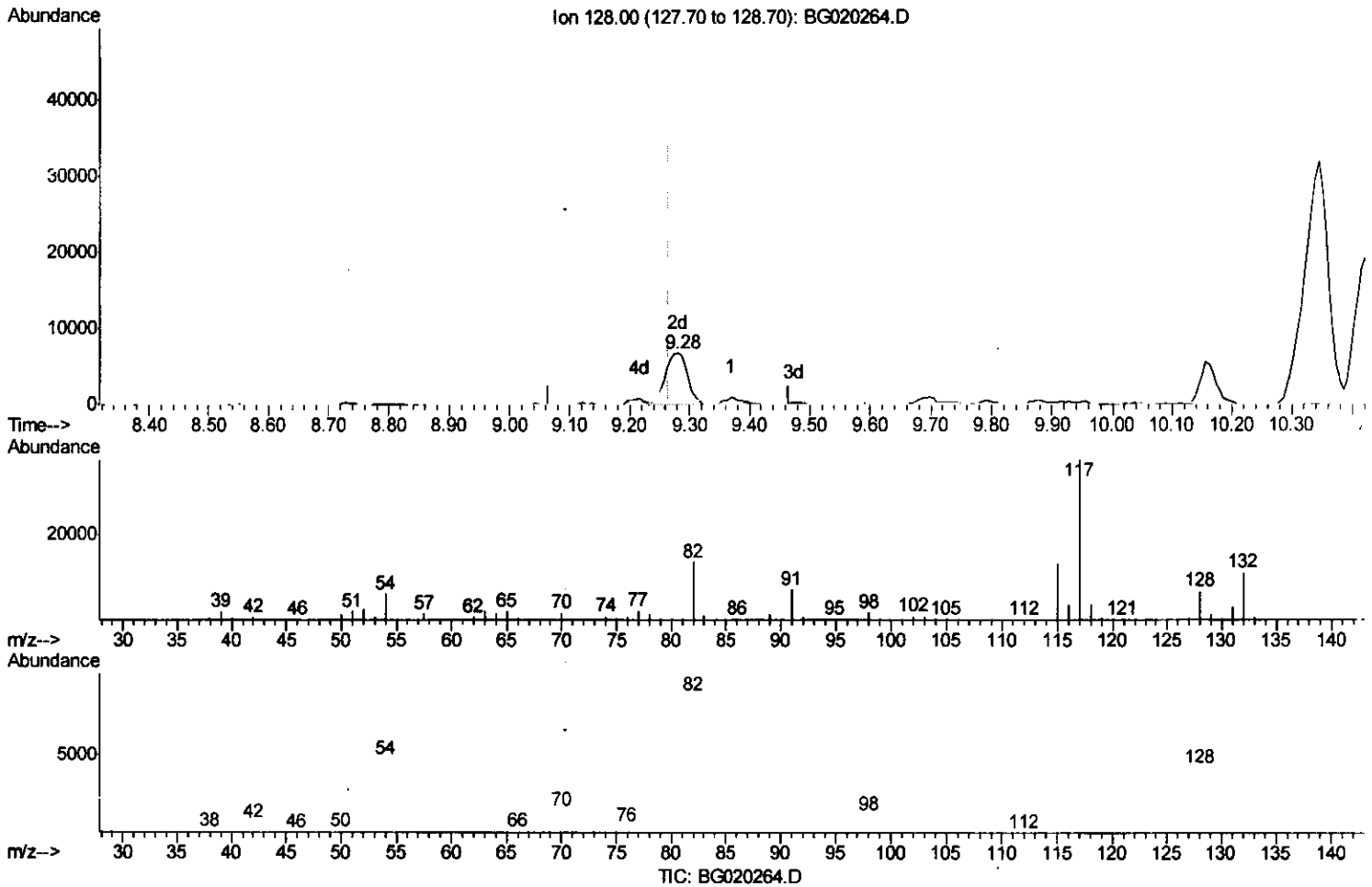
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
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MMdadoda
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Quant Time: Dec 18 15:10:10 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



(19) Nitrobenzene-d5 (S)

9.281min (+0.015) 21.76ng/ul m U.M
 response 17490 12/21/15

Ion	Exp%	Act%
128.00	100	100
82.00	258.00	199.49#
54.00	123.60	90.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

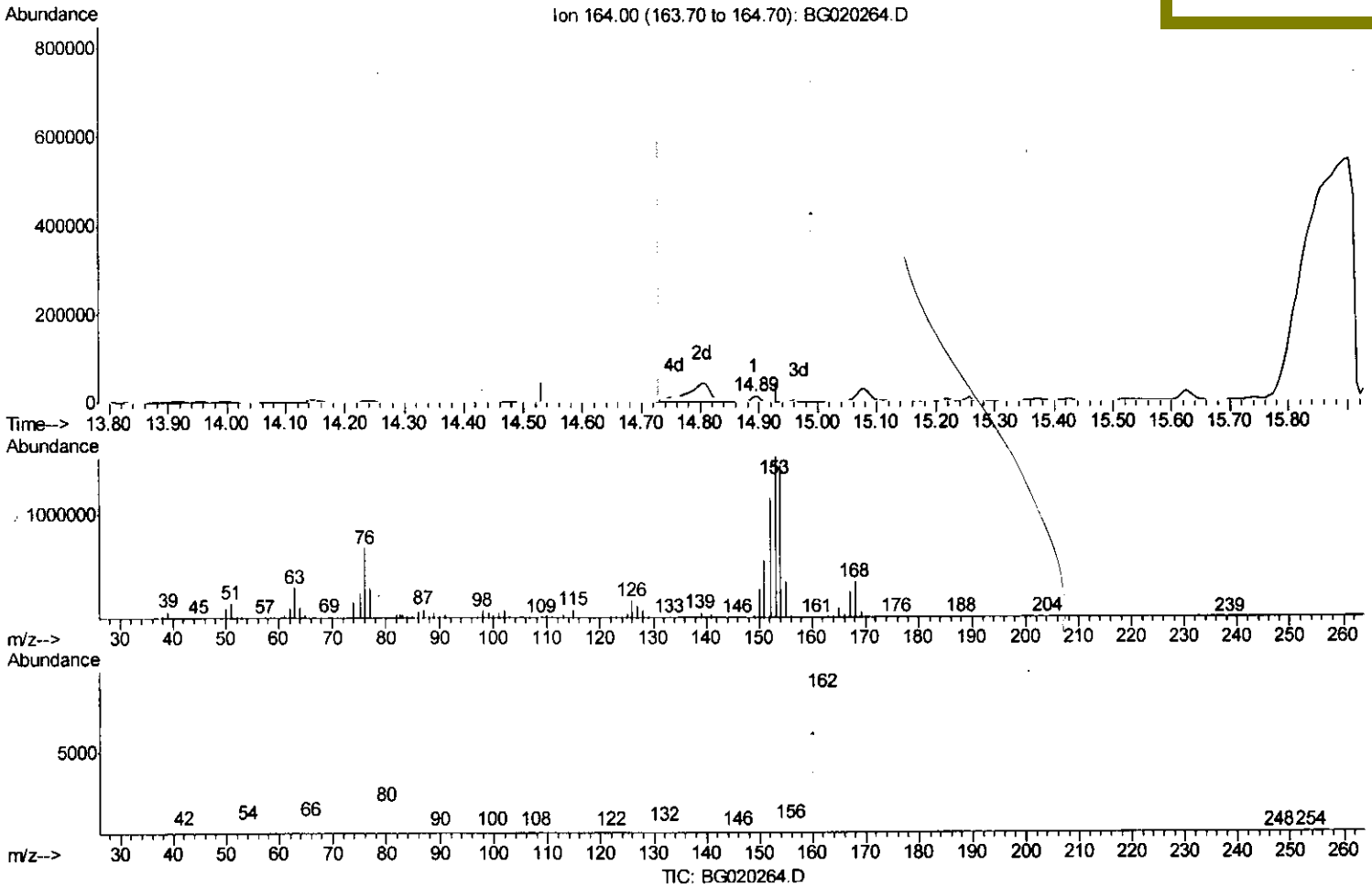
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:10:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
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Manual Integrations
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(36) Acenaphthene-d10 (I)

14.892min (+0.162) 20.00ng/ul

response 15453

Ion	Exp%	Act%
164.00	100	100
162.00	102.70	15.22#
160.00	45.00	3.20#
0.00	0.00	0.00

Quantitation Report (Qedit)

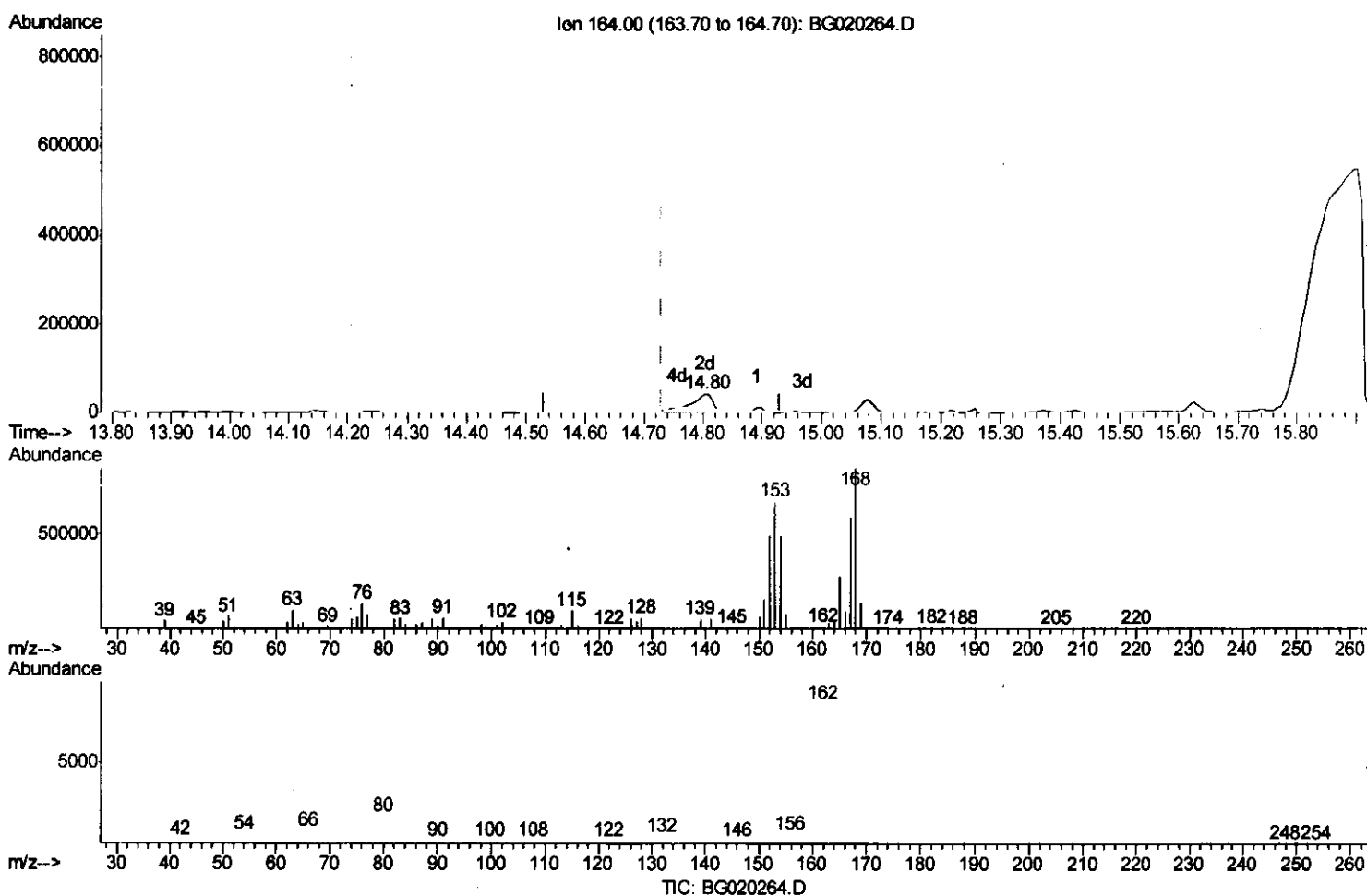
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
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Quant Time: Dec 18 15:10:10 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



(36) Acenaphthene-d10 (I)

14.804min (+0.074) 20.00ng/ul m U.M

response 126822

12/21/15

Ion	Exp%	Act%
164.00	100	100
162.00	102.70	29.82#
160.00	45.00	9.77#
0.00	0.00	0.00

Quantitation Report (Qedit)

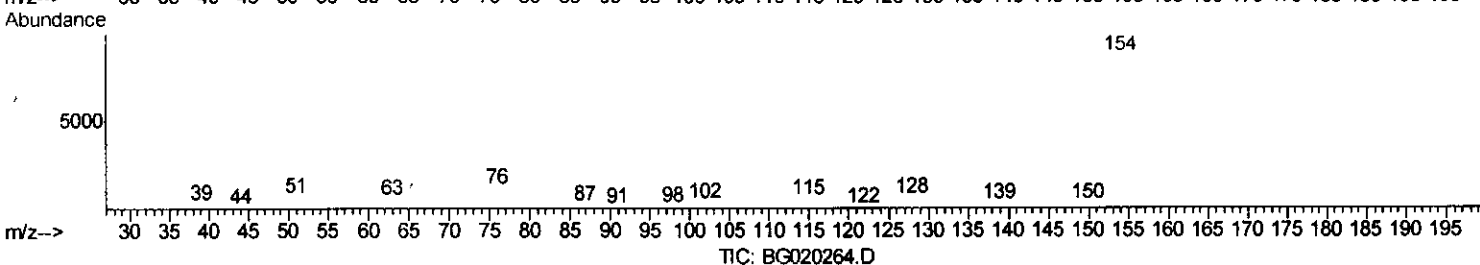
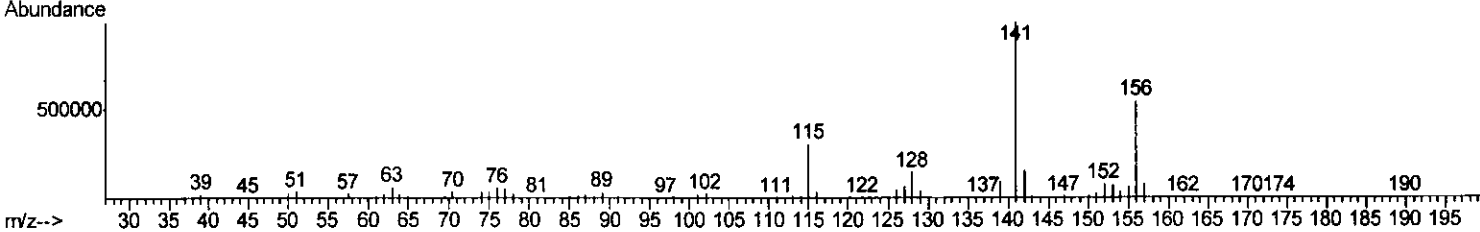
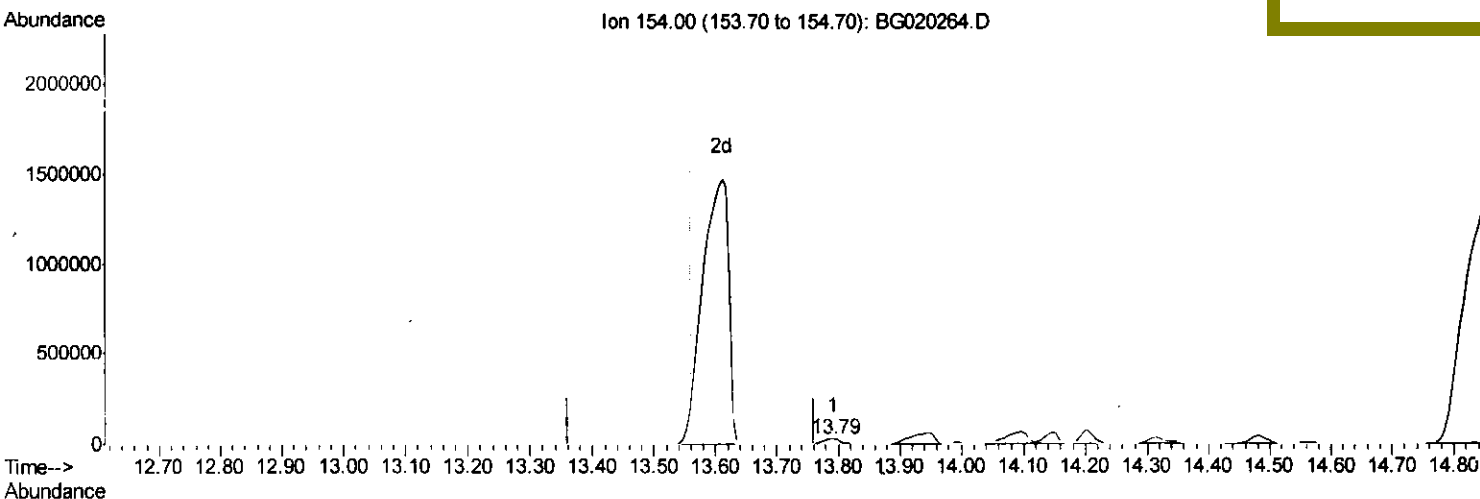
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
File :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
D9N44RE

Quant Time: Dec 18 15:11:33 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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Manual Integrations
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(41) 1,1'-Biphenyl

13.793min (+0.232) 6.80ng/ul

response 65070

Ion	Exp%	Act%
154.00	100	100
153.00	44.40	222.93#
76.00	13.00	183.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

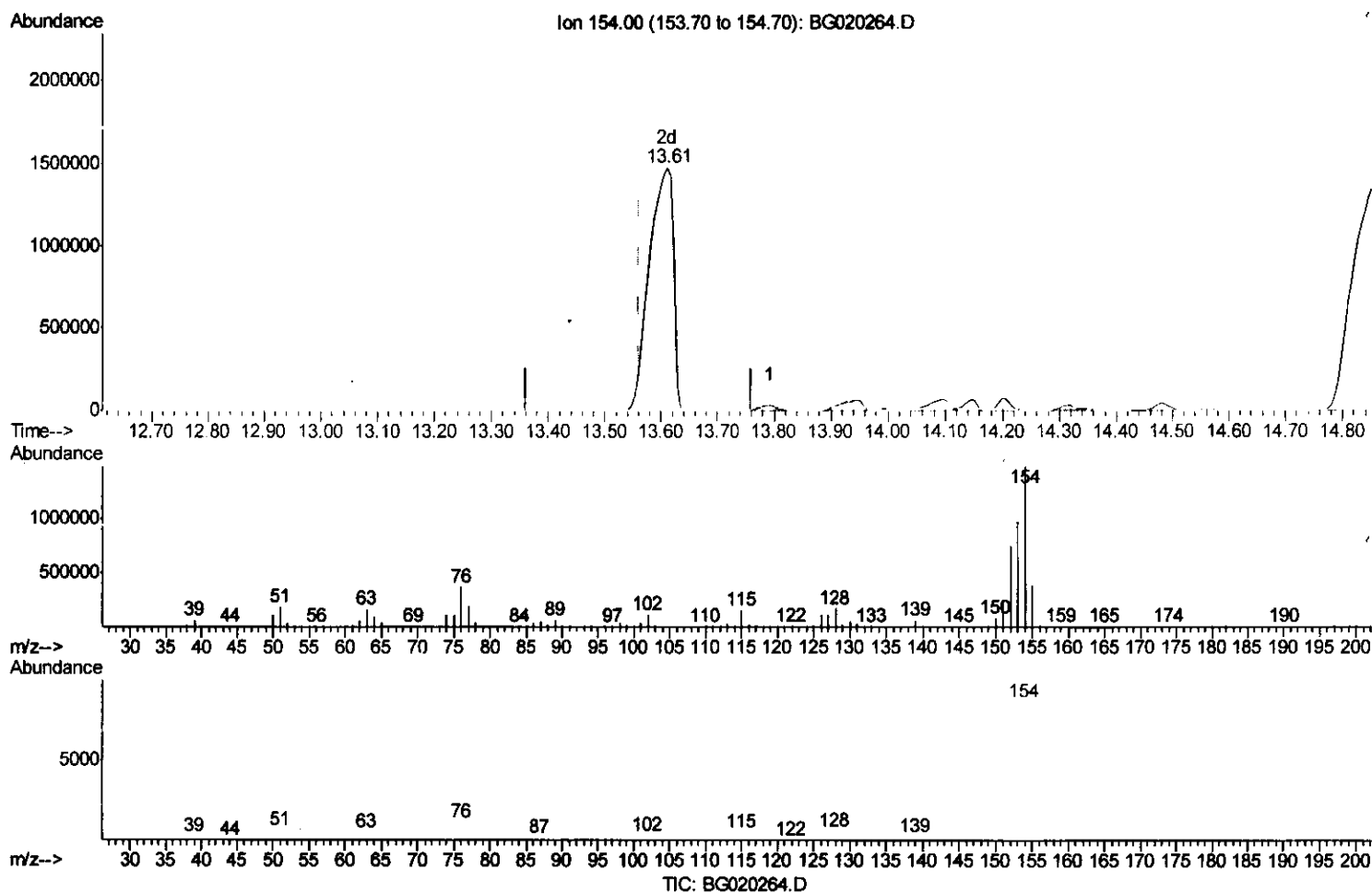
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

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Quant Time: Dec 18 15:11:33 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



(41) 1,1'-Biphenyl

13.611min (+0.050) 454.40ng/ul m

response 4347643

Ion Exp% Act%

154.00 100 100

153.00 44.40 65.85#

76.00 13.00 25.27#

0.00 0.00 0.00

U.M
 12/21/15

Quantitation Report (Qedit)

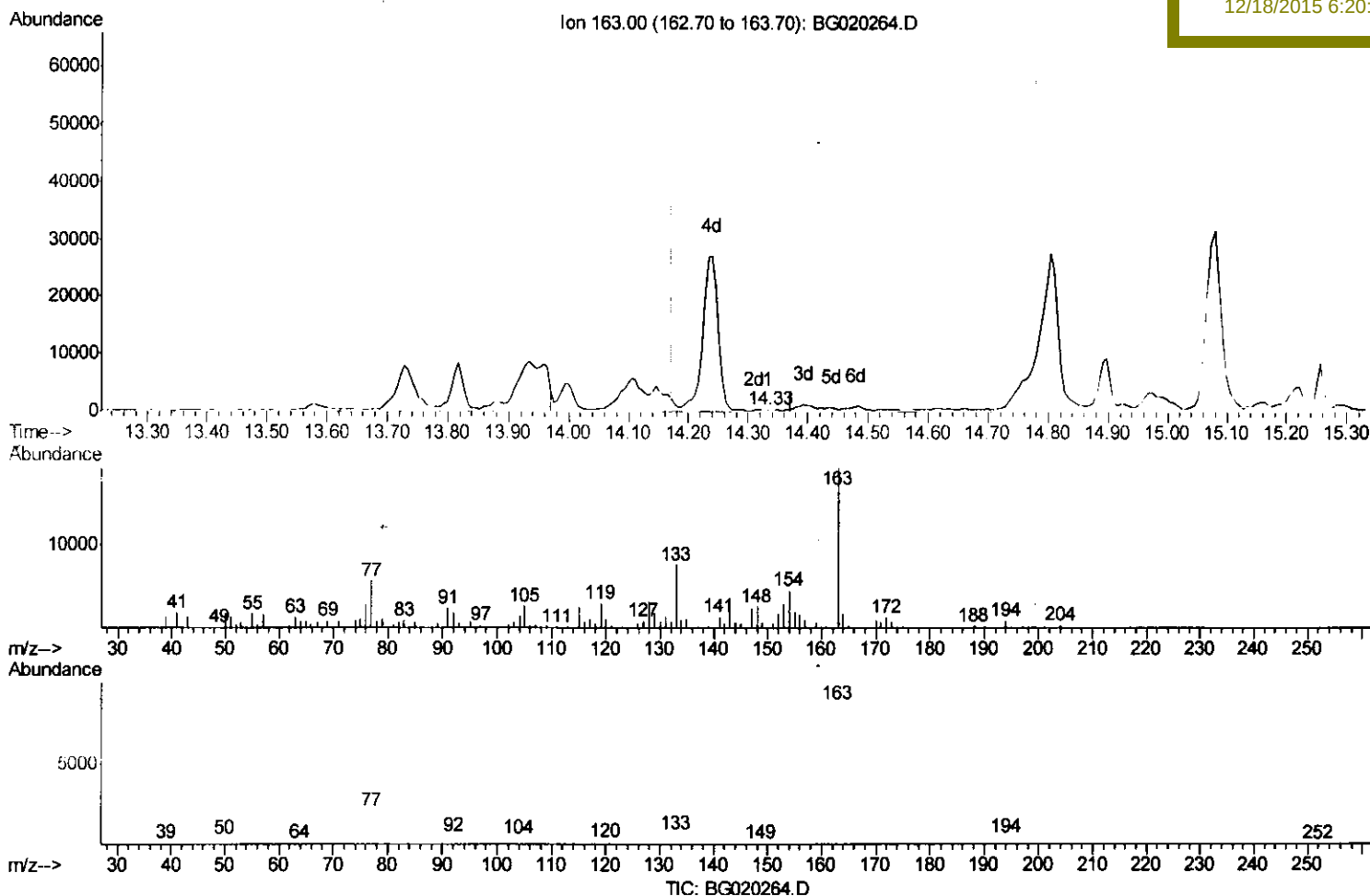
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
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Quant Time: Dec 18 15:11:33 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



(45) Dimethylphthalate

14.334min (+0.162) 0.01ng/ul

response 100

Ion	Exp%	Act%
163.00	100	100
194.00	4.40	0.00#
164.00	9.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

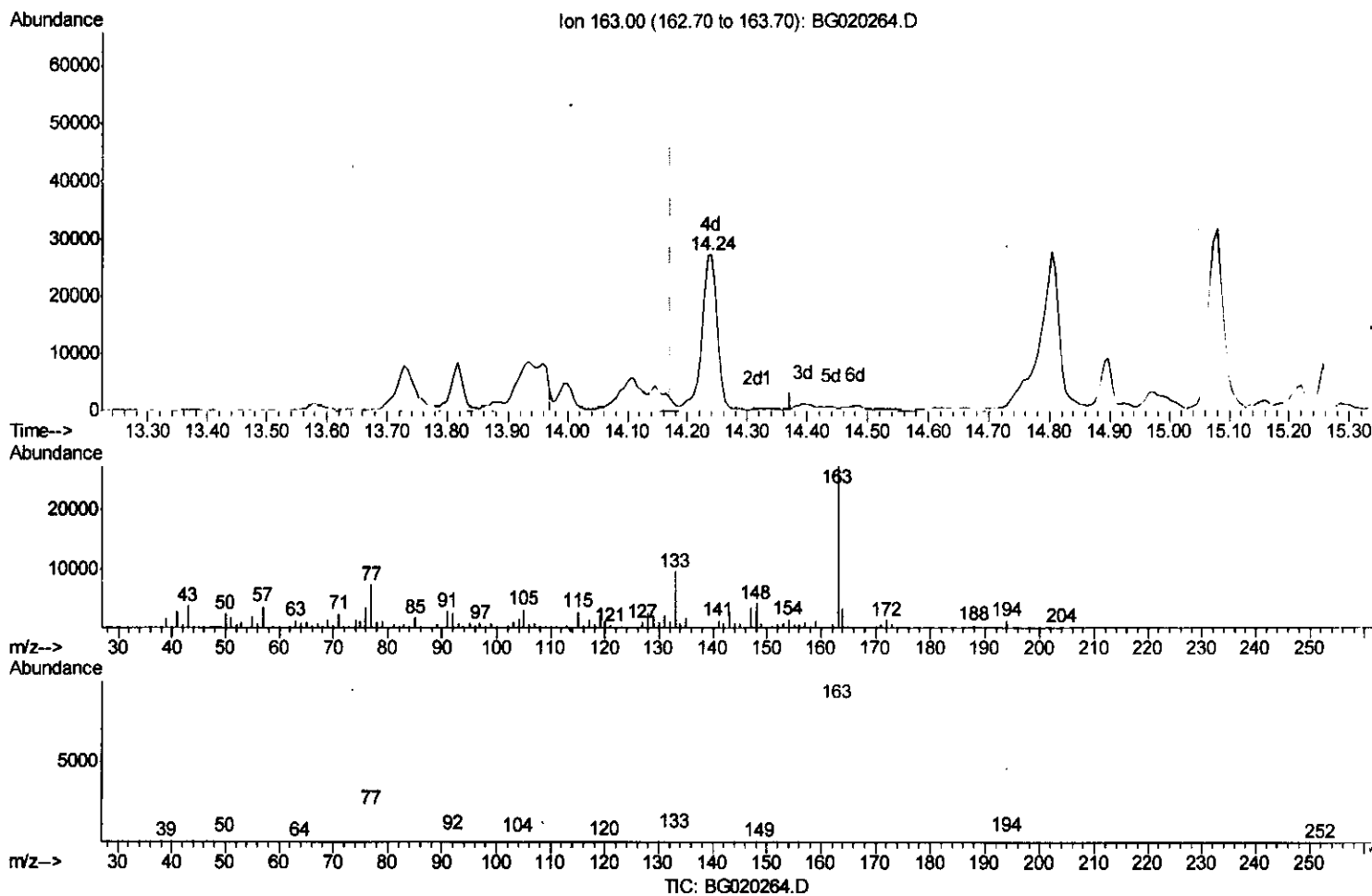
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
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Quant Time: Dec 18 15:11:33 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



(45) Dimethylphthalate

14.240min (+0.068) 4.66ng/ul m U.M

response 48837

12/21/15

Ion	Exp%	Act%
163.00	100	100
194.00	4.40	5.00
164.00	9.60	11.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

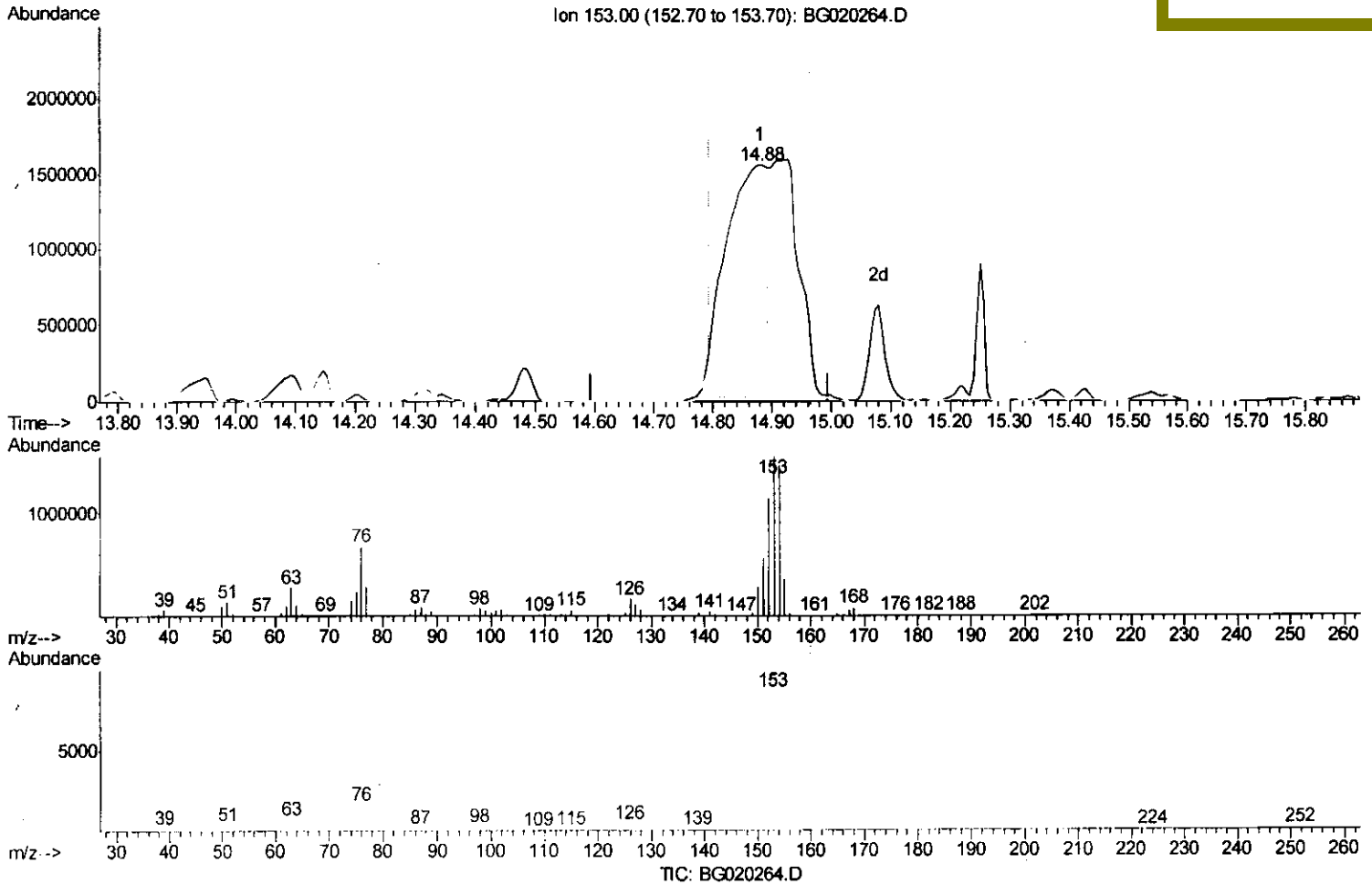
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:11:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
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Manual Integrations
 APPROVED

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(50) Acenaphthene (C)

14.880min (+0.085) 871.76ng/ul

response 7437206

Ion	Exp%	Act%
153.00	100	100
152.00	47.00	74.16#
154.00	84.90	94.78
0.00	0.00	0.00

Quantitation Report (Qedit)

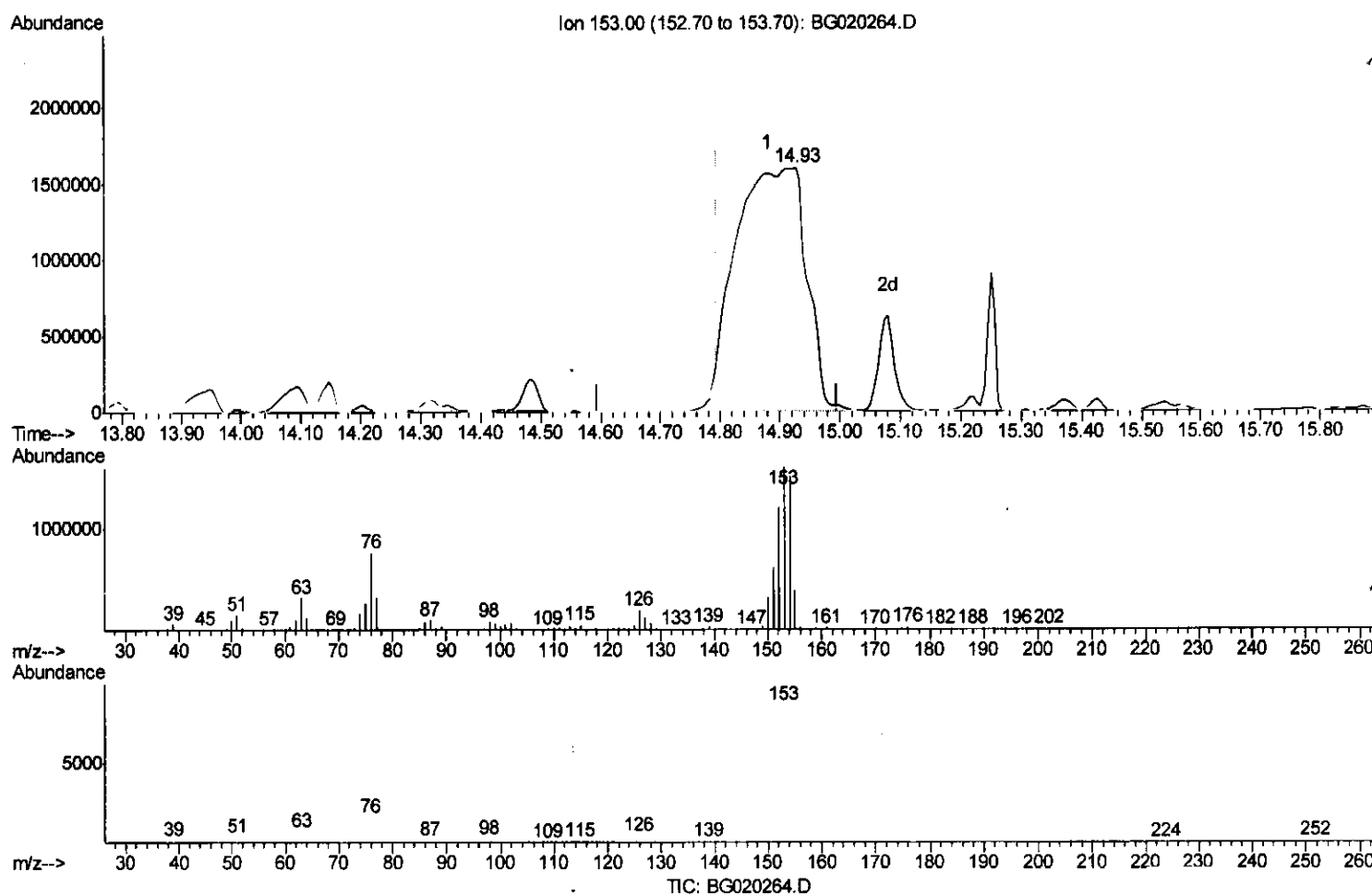
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
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Quant Time: Dec 18 15:11:33 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



(50) Acenaphthene (C)

14.927min (+0.132) 1542.42ng/ul m U.M

response 13158772

12/21/15

Ion	Exp%	Act%
153.00	100	100
152.00	47.00	75.57#
154.00	84.90	94.40
0.00	0.00	0.00

Quantitation Report (Qedit)

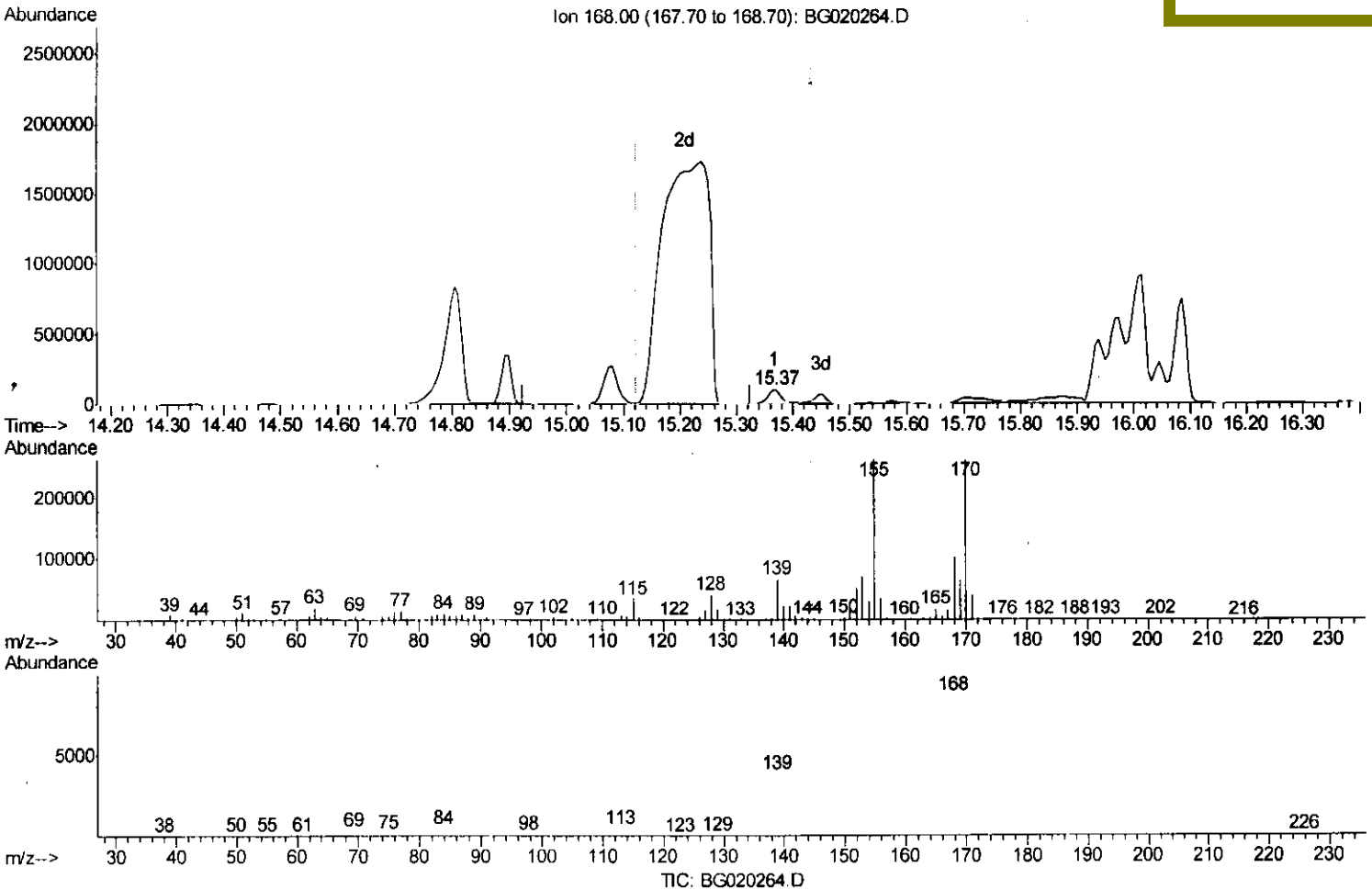
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

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Quant Time: Dec 18 15:11:33 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



(54) Dibenzofuran

15.368min (+0.244) 13.23ng/ul

response 167896

Ion	Exp%	Act%
168.00	100	100
139.00	38.10	65.13#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

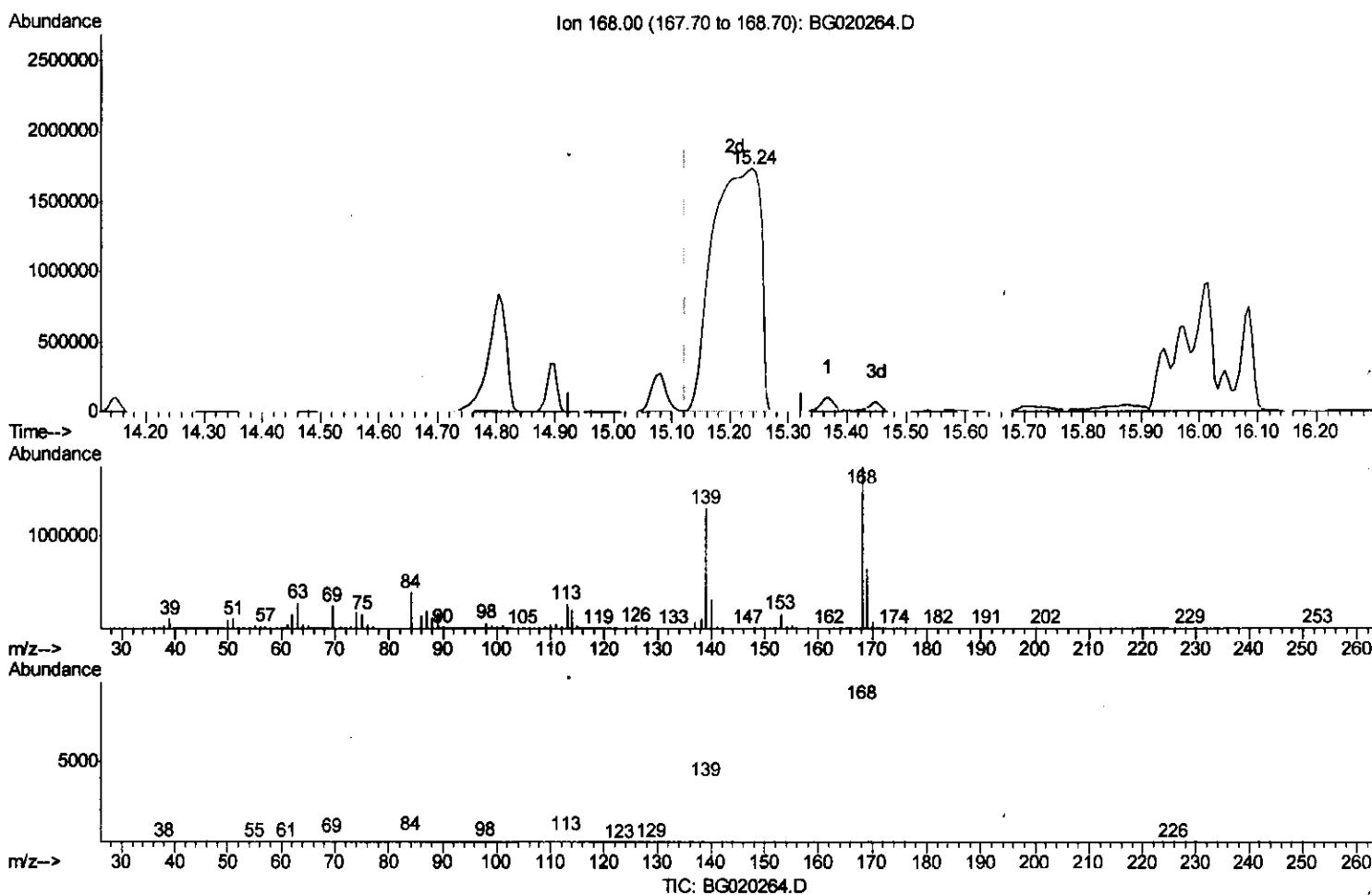
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
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Quant Time: Dec 18 15:11:33 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



(54) Dibenzofuran

15.238min (+0.115) 786.76ng/ul m

response 9984836

Ion Exp% Act%

168.00 100 100

139.00 38.10 74.45#

0.00 0.00 0.00

0.00 0.00 0.00

U. M
 12/21/15

Quantitation Report (Qedit)

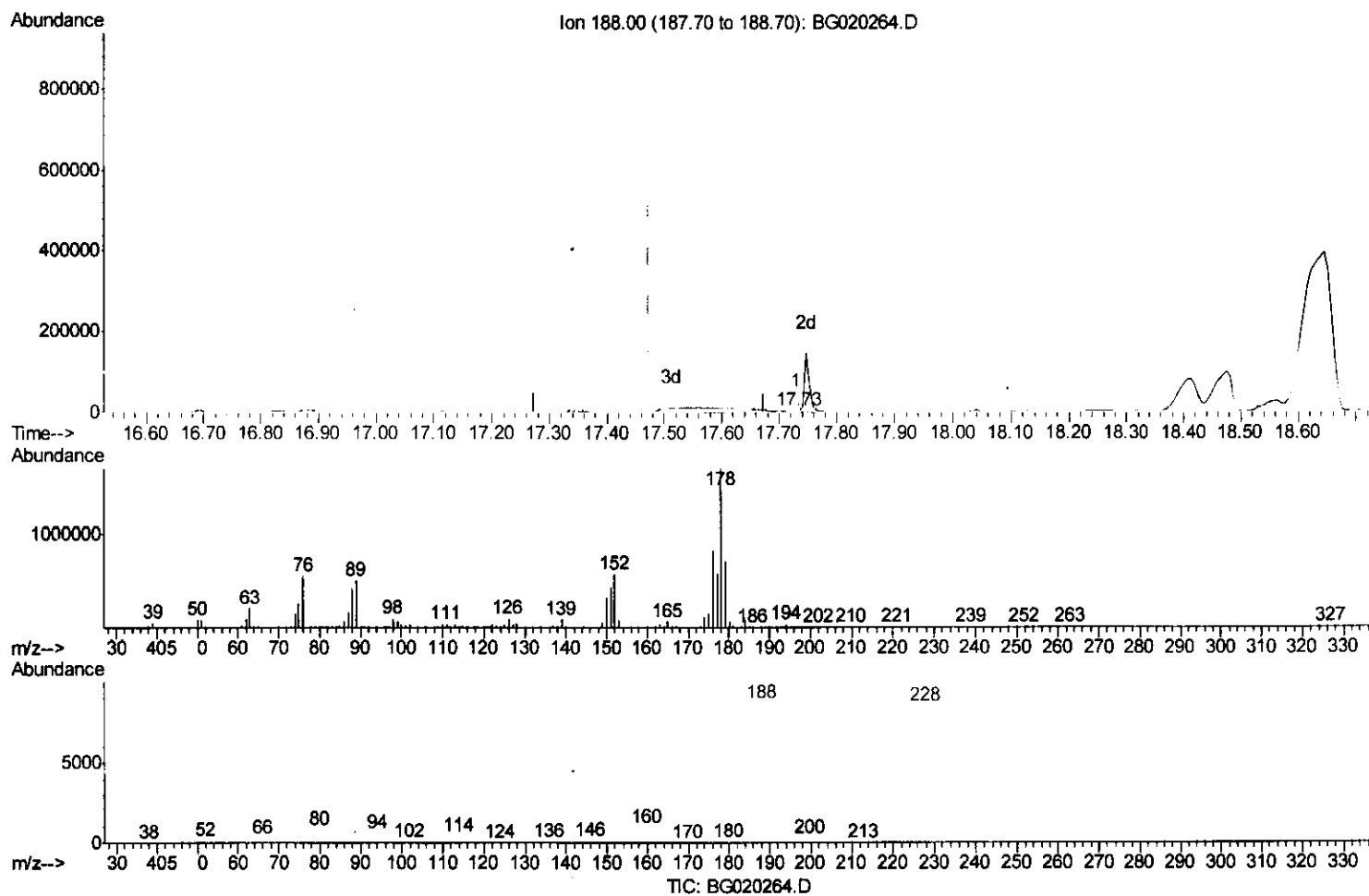
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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Quant Time: Dec 18 15:11:33 2015
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



(62) Phenanthrene-d10 (I)

17.730min (+0.256) 20.00ng/ul

response 1245

Ion	Exp%	Act%
188.00	100	100
94.00	6.90	123.25#
80.00	8.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

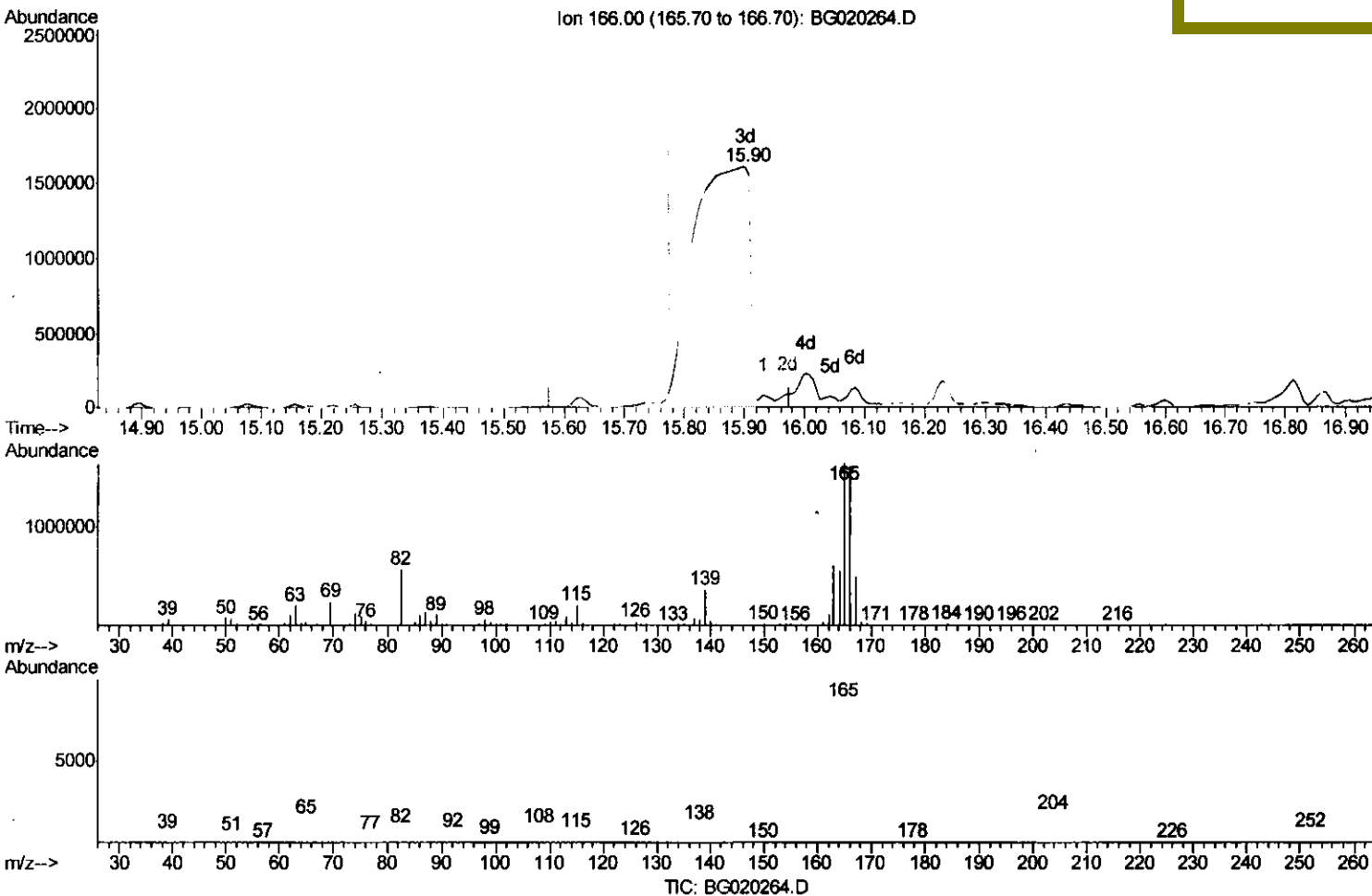
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
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 ALS Vial : 17 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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(59) Fluorene

15.902min (+0.126) 1030.75ng/ul m U.M

response 10504694

12/21/15

Ion	Exp%	Act%
166.00	100	100
165.00	101.70	101.82
167.00	14.00	31.06#
0.00	0.00	0.00

Quantitation Report (Qcudit)

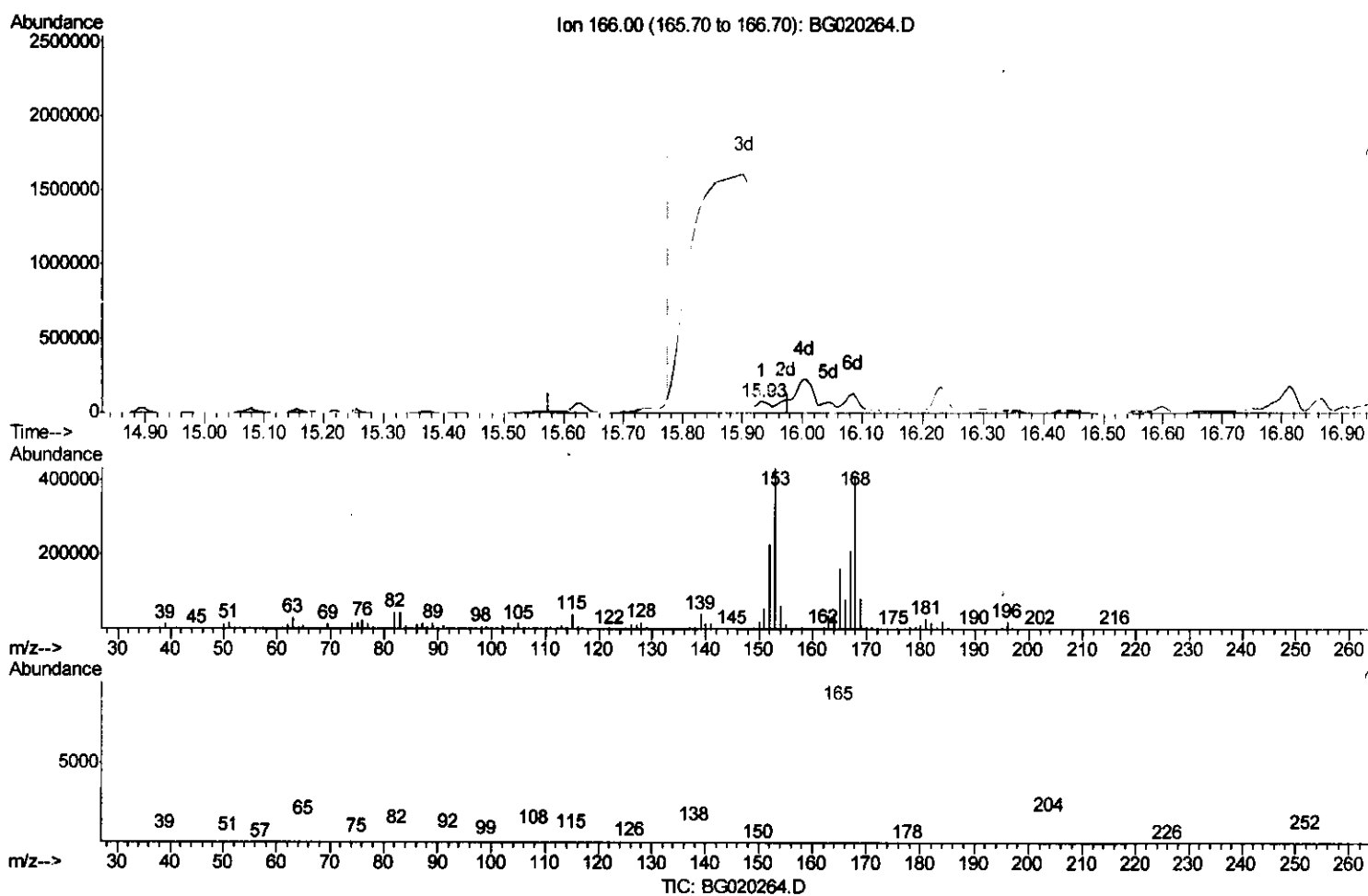
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:11:33 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



(59) Fluorene

15.932min (+0.156) 6.71ng/ul

response 68369

Ion	Exp%	Act%
166.00	100	100
165.00	101.70	204.01#
167.00	14.00	264.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

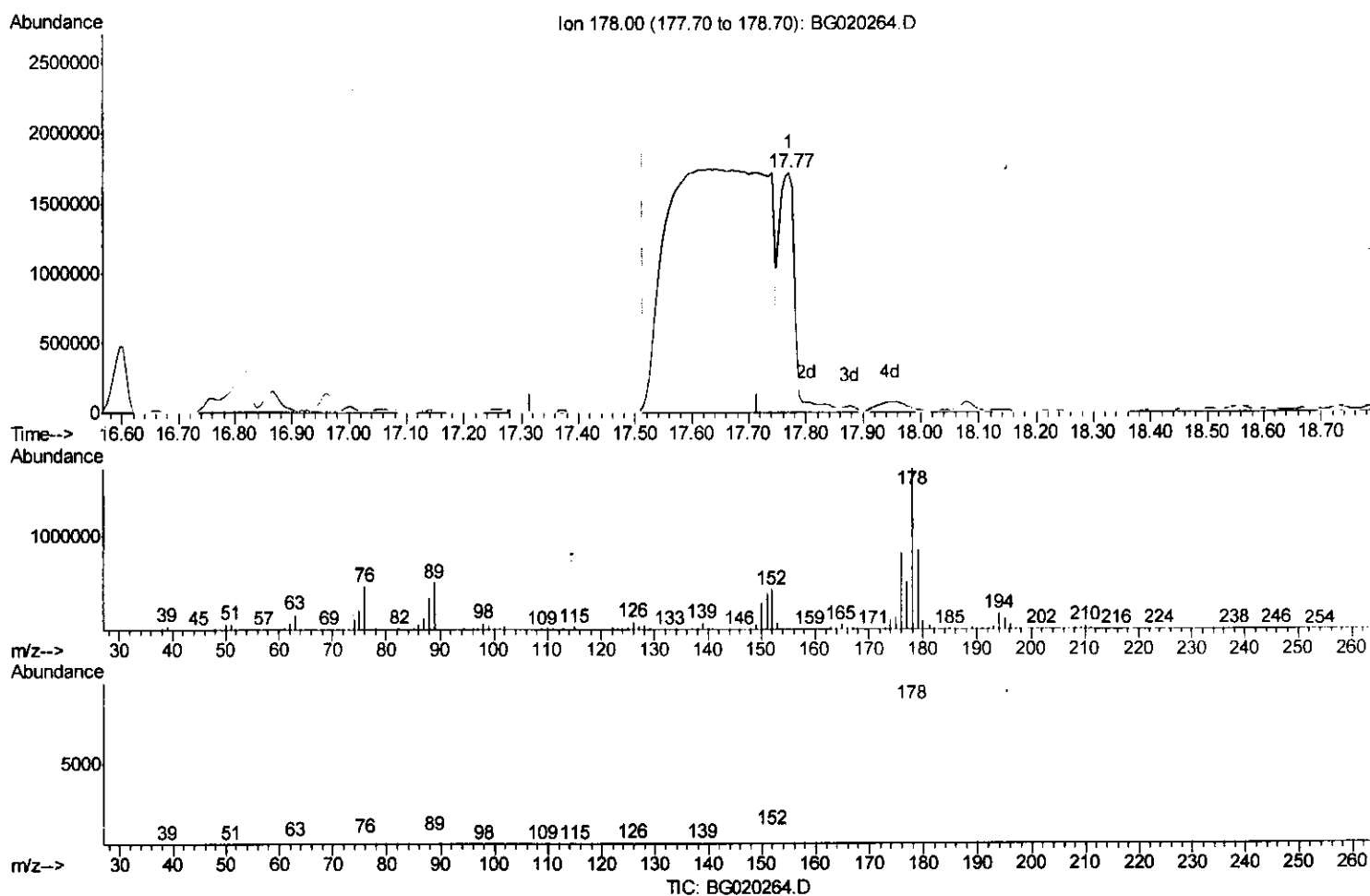
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:21:10 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



(70) Phenanthrene

17.771min (+0.256) 465.90ng/ul

response 2885737

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	49.38#
176.00	19.10	47.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

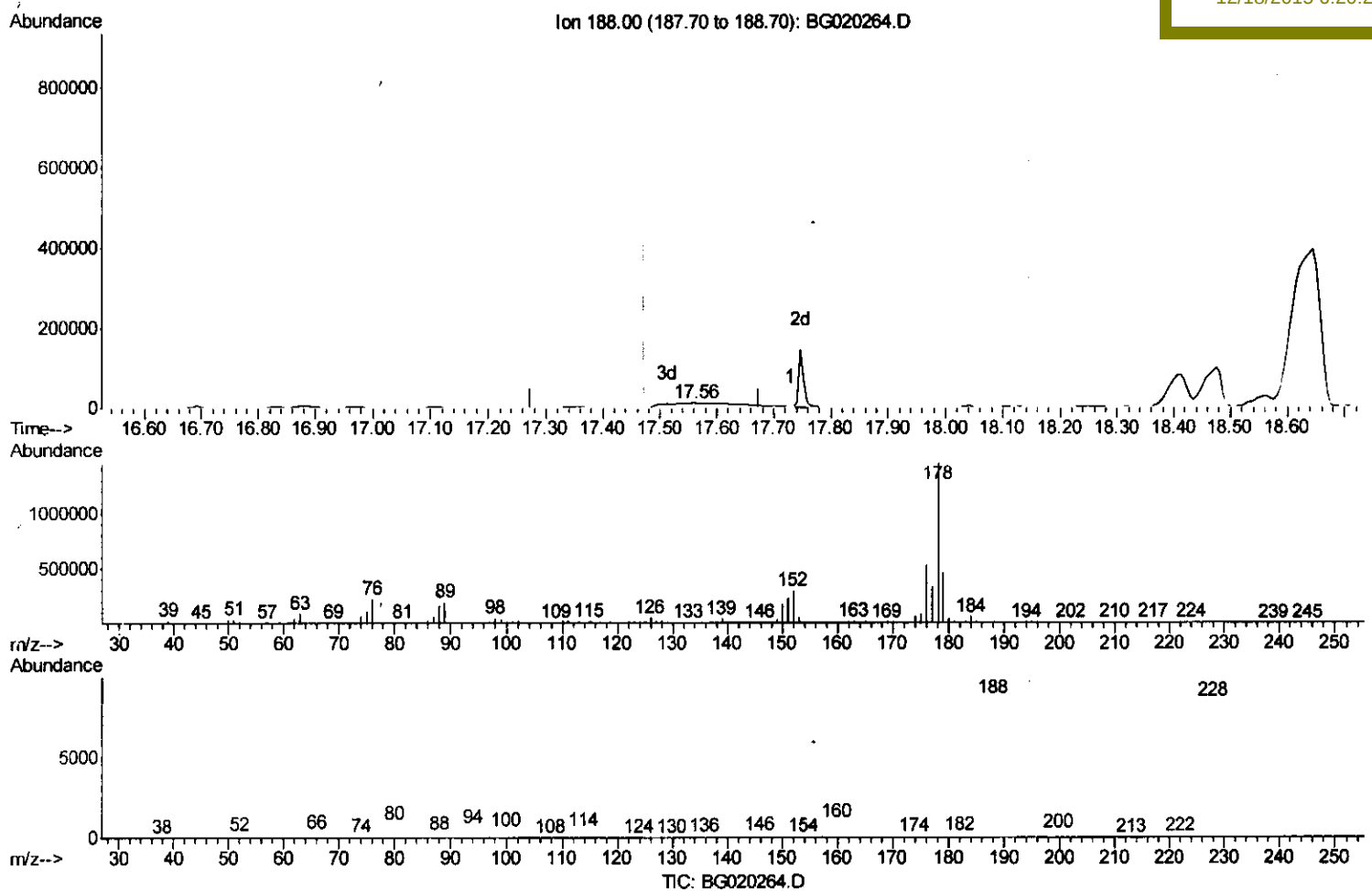
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 D9N44RE

Quant Time: Dec 18 15:11:33 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

MMdadoda
 12/18/2015 6:20:26 PM



(62) Phenanthrene-d10 (I)

17.559min (+0.085) 20.00ng/ul m

response 113238

Ion	Exp%	Act%
188.00	100	100
94.00	6.90	11.62#
80.00	8.90	11.15#
0.00	0.00	0.00

U.M
 12/21/15

Quantitation Report (Qedit)

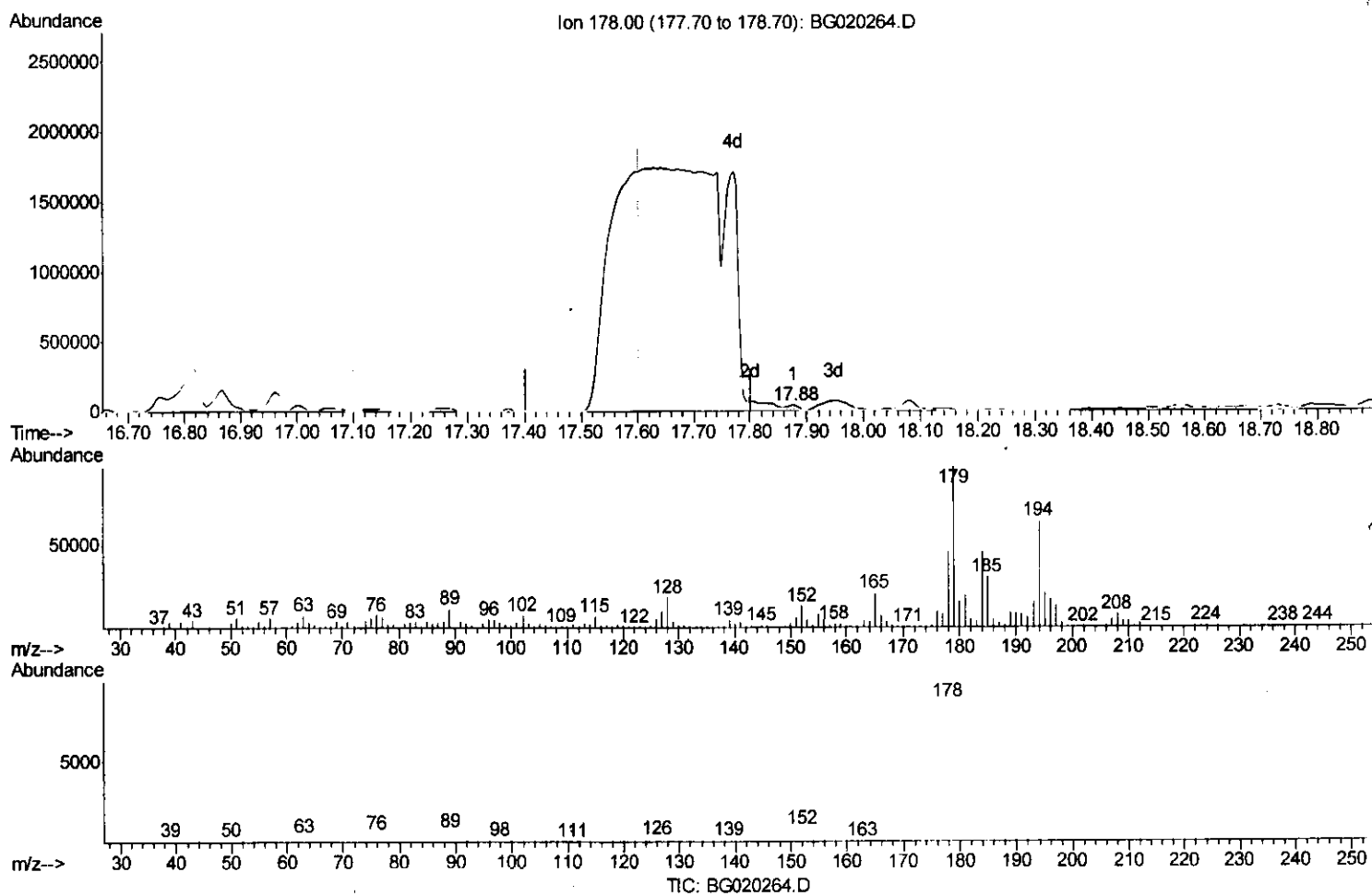
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:21:10 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



(72) Anthracene

17.876min (+0.273) 6.51ng/ul

response 40881

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	210.59#
176.00	17.90	22.14#
0.00	0.00	0.00

Quantitation Report (Qedit)

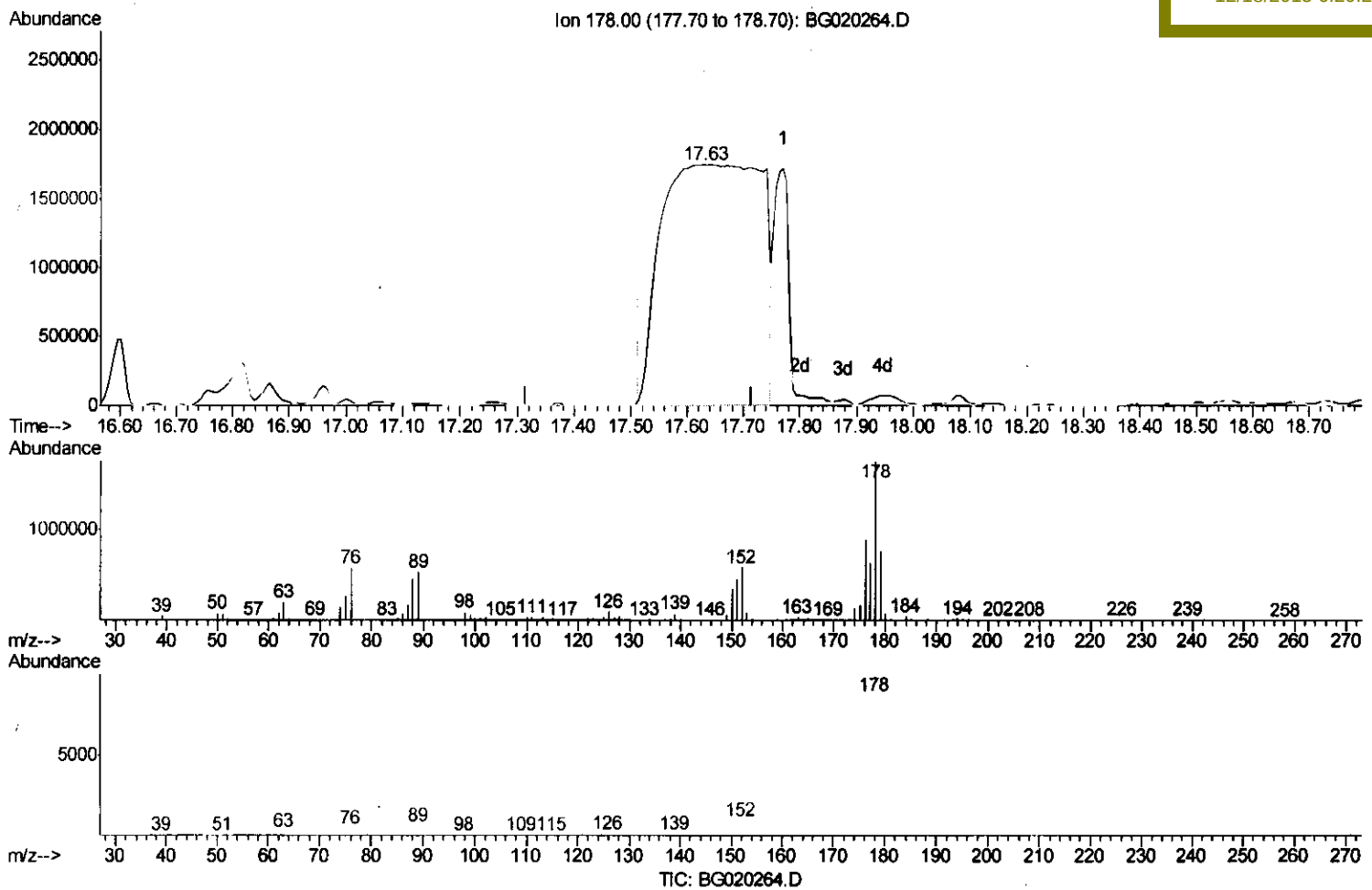
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:21:10 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

MMdadoda
 12/18/2015 6:20:26 PM



(70) Phenanthrene

17.630min (+0.115) 3457.52ng/ul m U.M
 response 21415664
 12/21/15

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	43.97#
176.00	19.10	51.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

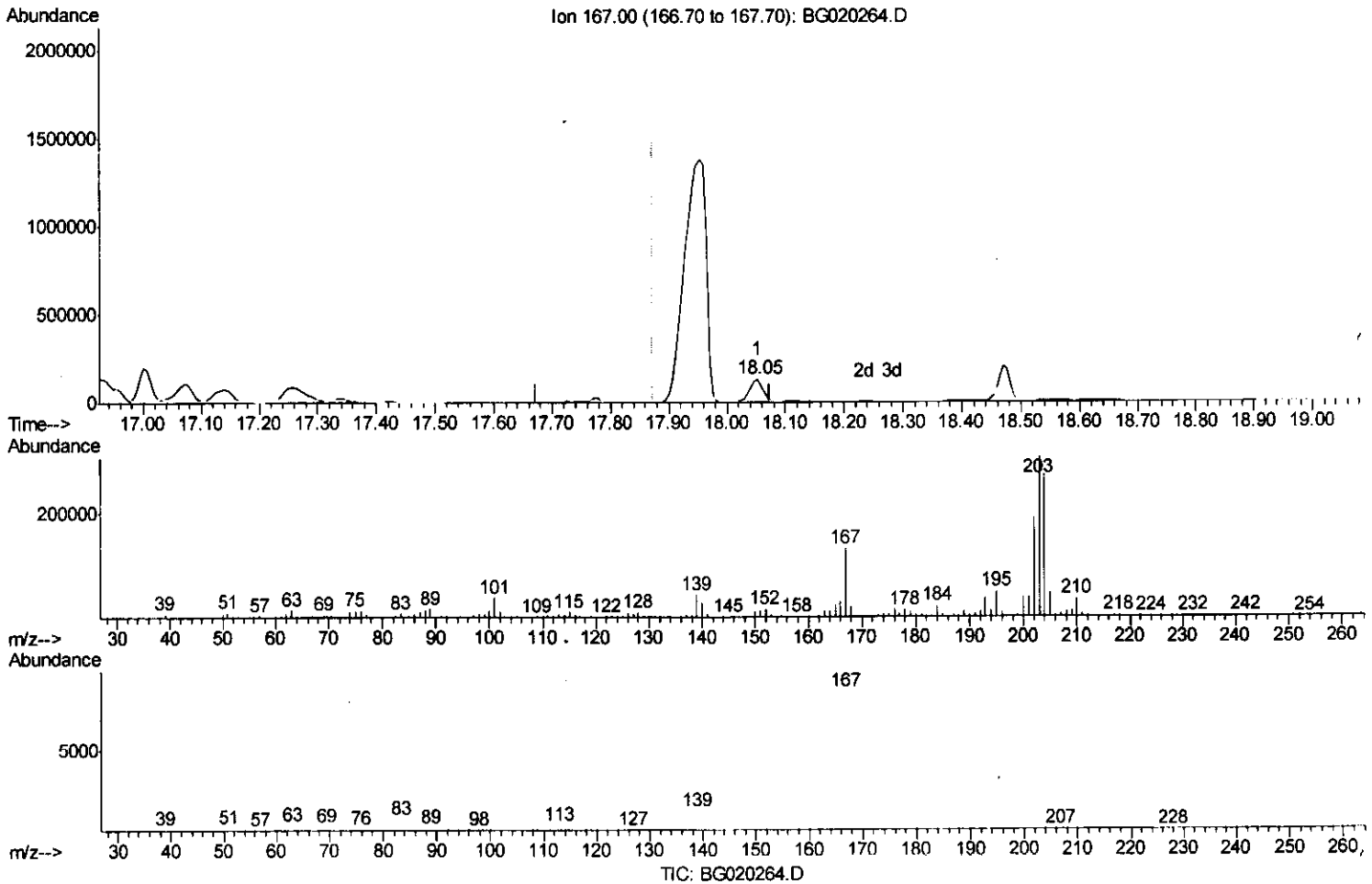
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:21:10 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



(75) Carbazole

18.053min (+0.179) 35.63ng/ul

response 188081

Ion	Exp%	Act%
167.00	100	100
166.00	21.30	22.41
139.00	12.60	32.90#
0.00	0.00	0.00

Quantitation Report (Qedit)

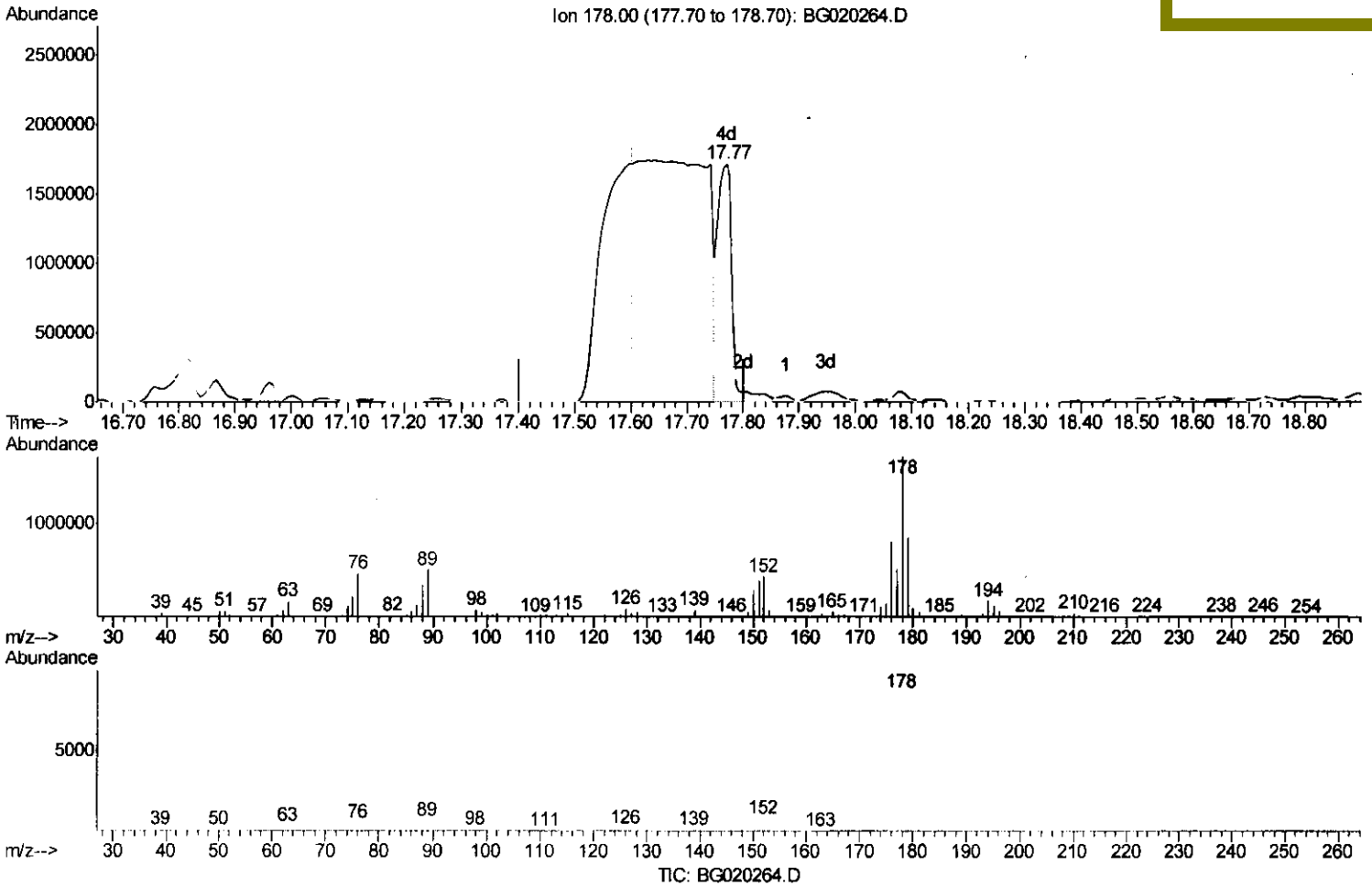
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:21:10 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

MMdadoda
 12/18/2015 6:20:26 PM



(72) Anthracene

17.771min (+0.168) 522.01ng/ul m

response 3279429

U.M
 12/21/15

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	49.38#
176.00	17.90	47.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

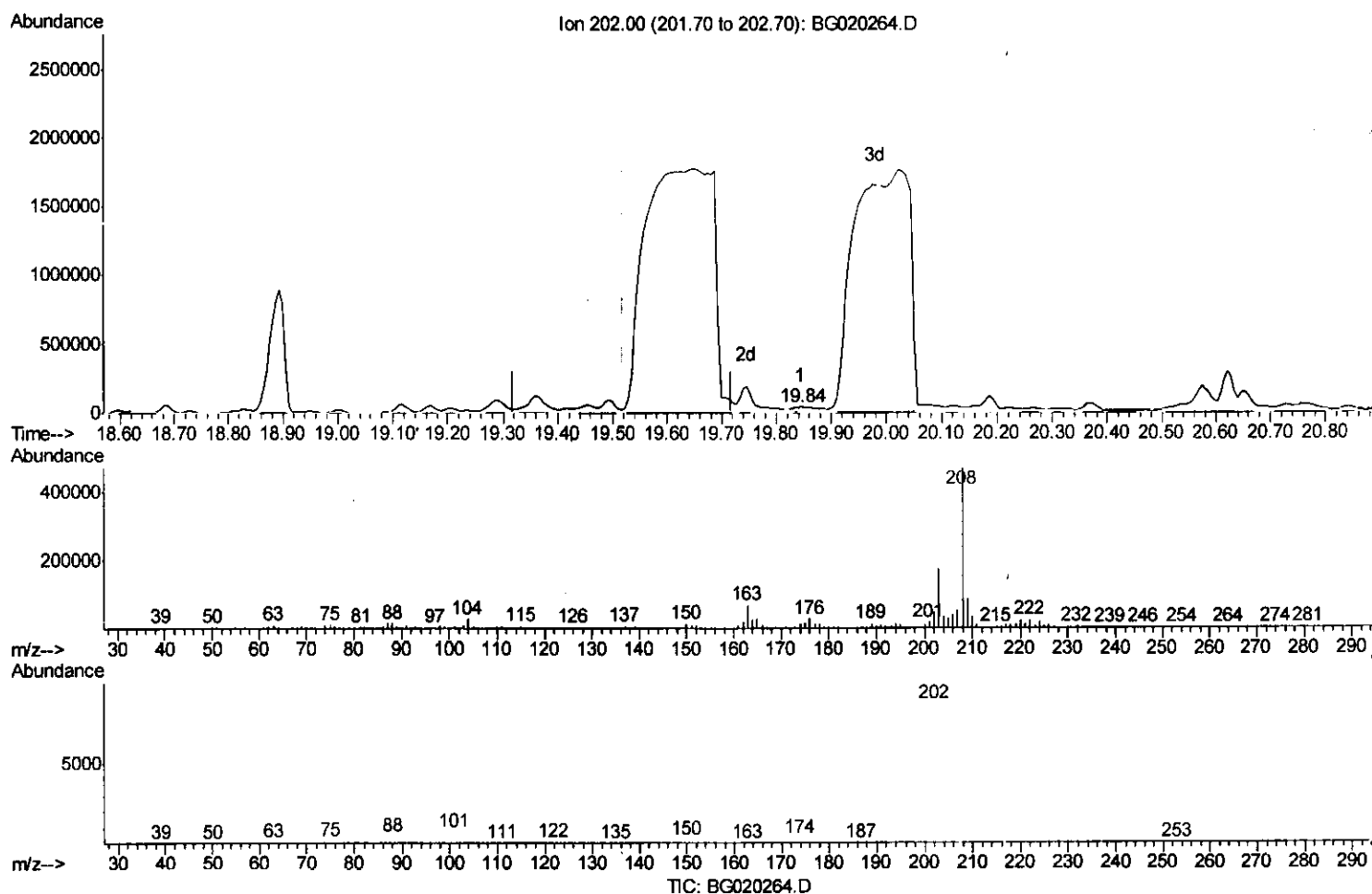
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:21:10 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



(77) Fluoranthene (C)

19.845min (+0.326) 6.12ng/ul

response 44313

Ion	Exp%	Act%
202.00	100	100
101.00	7.80	12.73#
100.00	6.40	8.61#
0.00	0.00	0.00

Quantitation Report (Qedit)

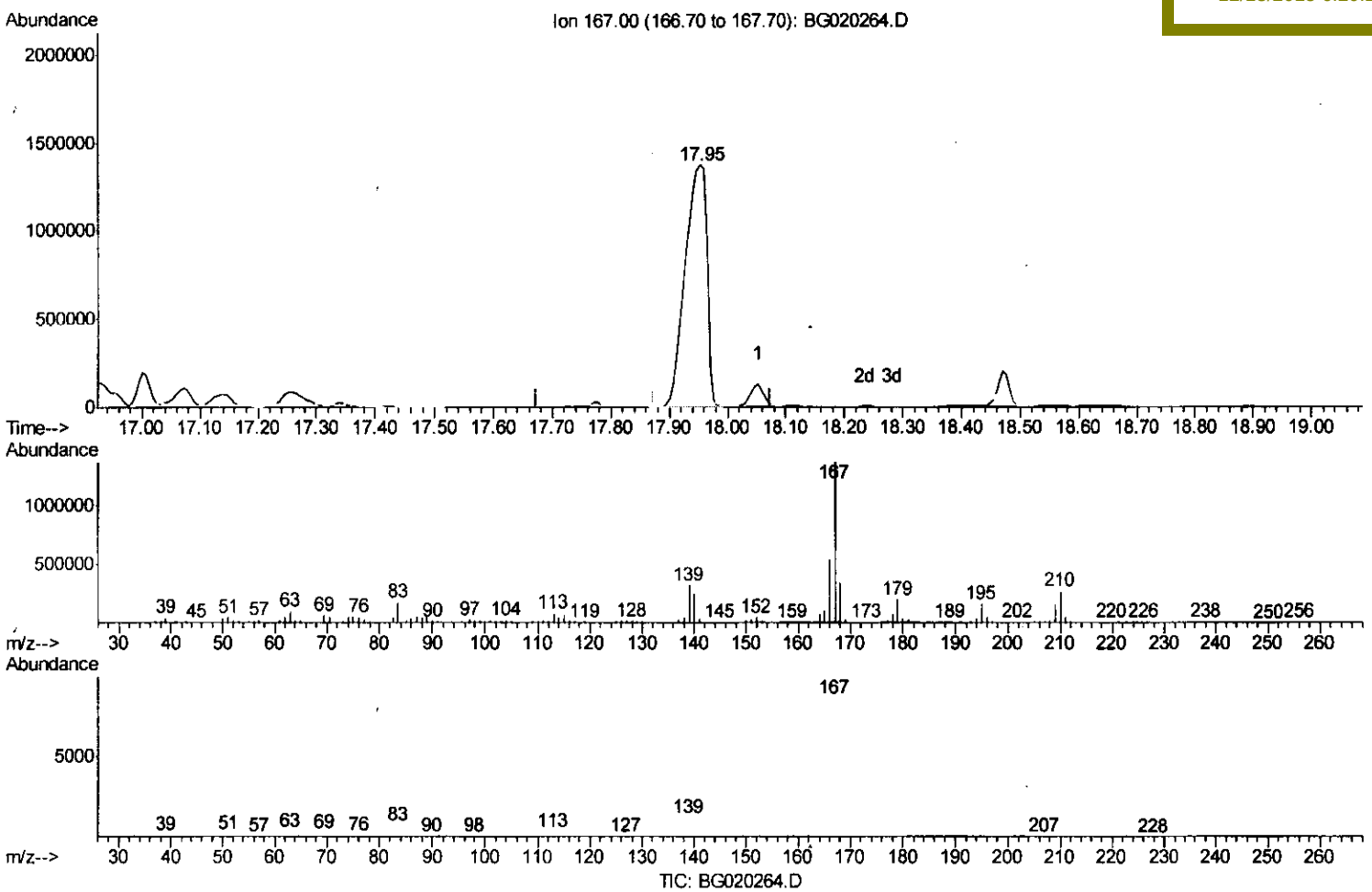
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:21:10 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



(75) Carbazole

17.953min (+0.079) 671.07ng/ul m U.M

response 3542375

12/21/15

Ion	Exp%	Act%
167.00	100	100
166.00	21.30	38.78#
139.00	12.60	23.14#
0.00	0.00	0.00

Quantitation Report (Qedit)

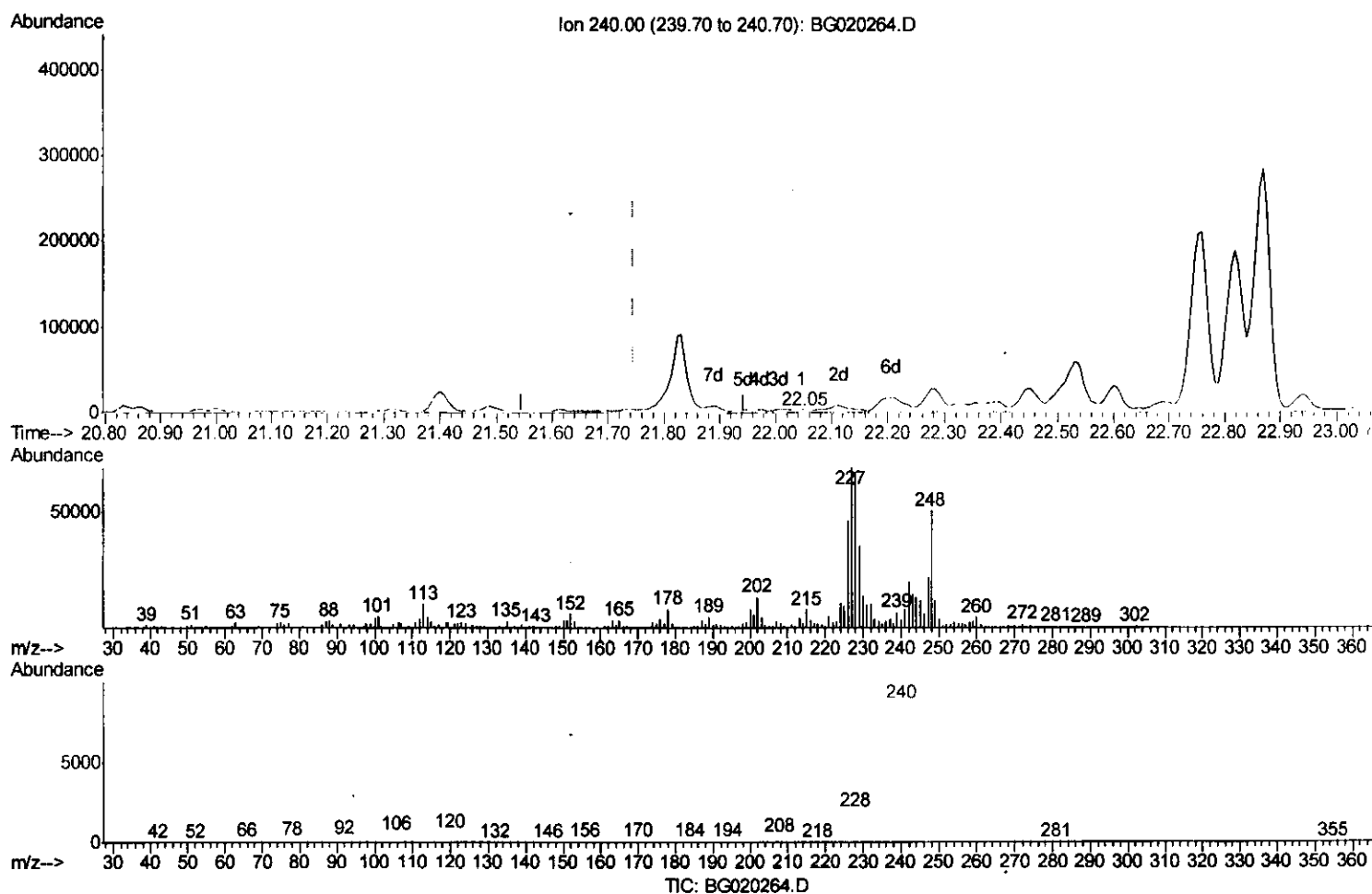
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:21:10 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



(78) Chrysene-d12 (I)

22.048min (+0.303) 20.00ng/ul

response 536

Ion Exp% Act%

240.00 100 100

120.00 6.90 0.00#

236.00 26.40 92.44#

0.00 0.00 0.00

Quantitation Report (Qedit)

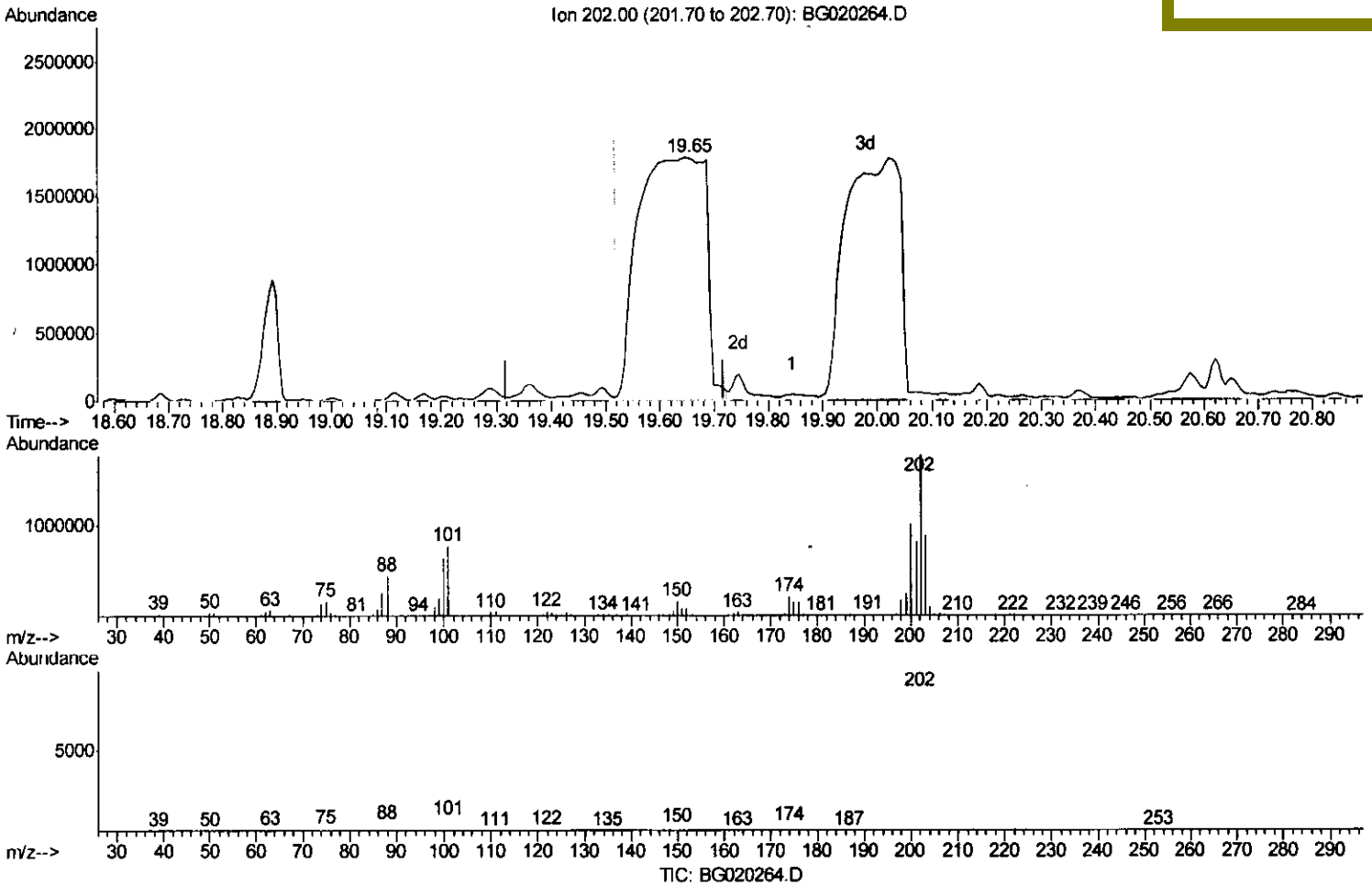
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G476/-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:21:10 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

MMdadoda
 12/18/2015 6:20:26 PM



(77) Fluoranthene (C)

19.651min (+0.132) 2098.14ng/ul m

response 15188285

Ion Exp% Act%

202.00 100 100

101.00 7.80 43.24#

100.00 6.40 35.57#

0.00 0.00 0.00

U.M
 12/21/15

Quantitation Report (Qedit)

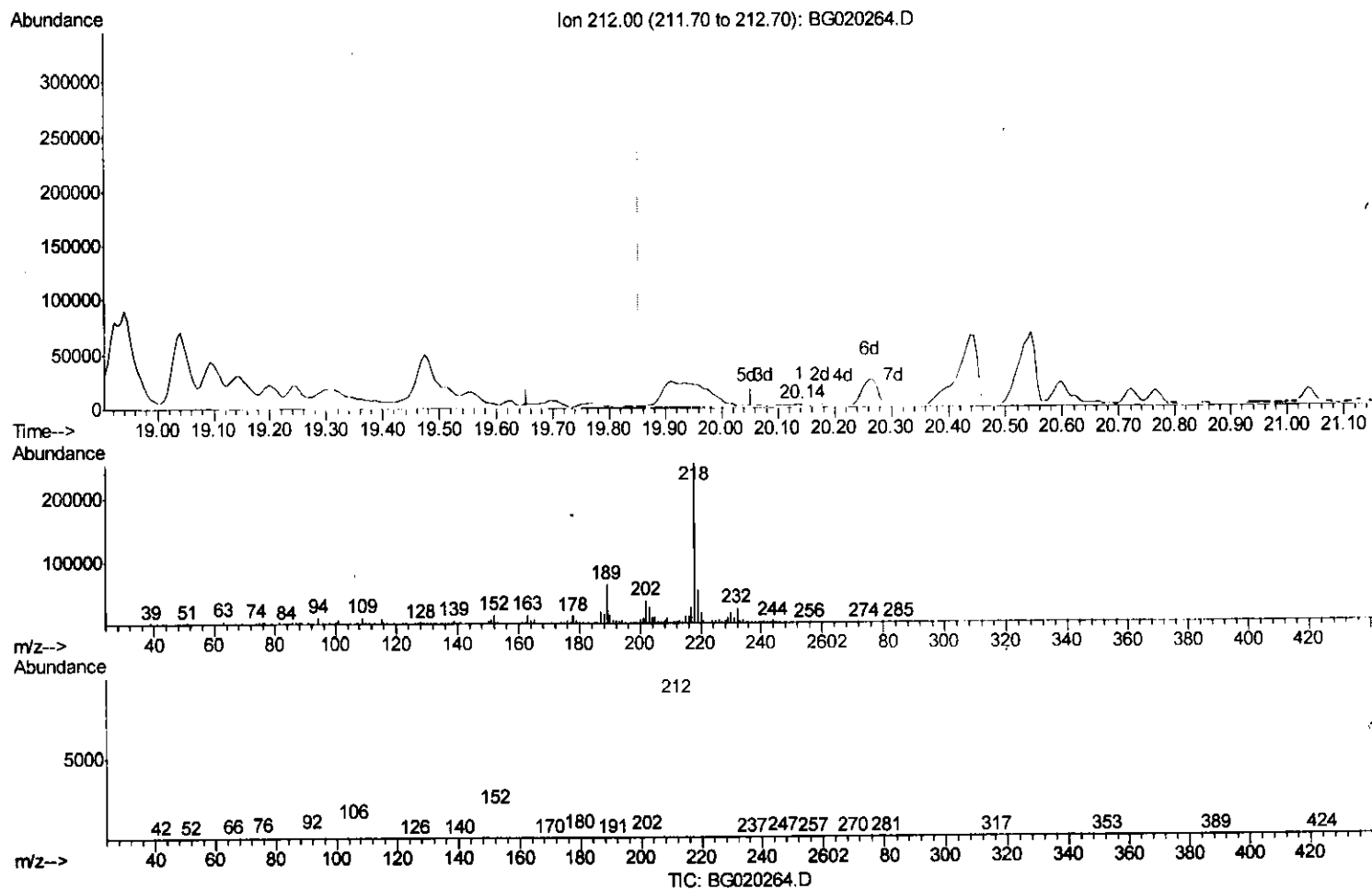
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:24:41 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



(79) Pyrene-d10 (S)

20.138min (+0.285) 0.37ng/ul

response 3476

Ion	Exp%	Act%
212.00	100	100
106.00	10.50	0.00#
104.00	6.80	27.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

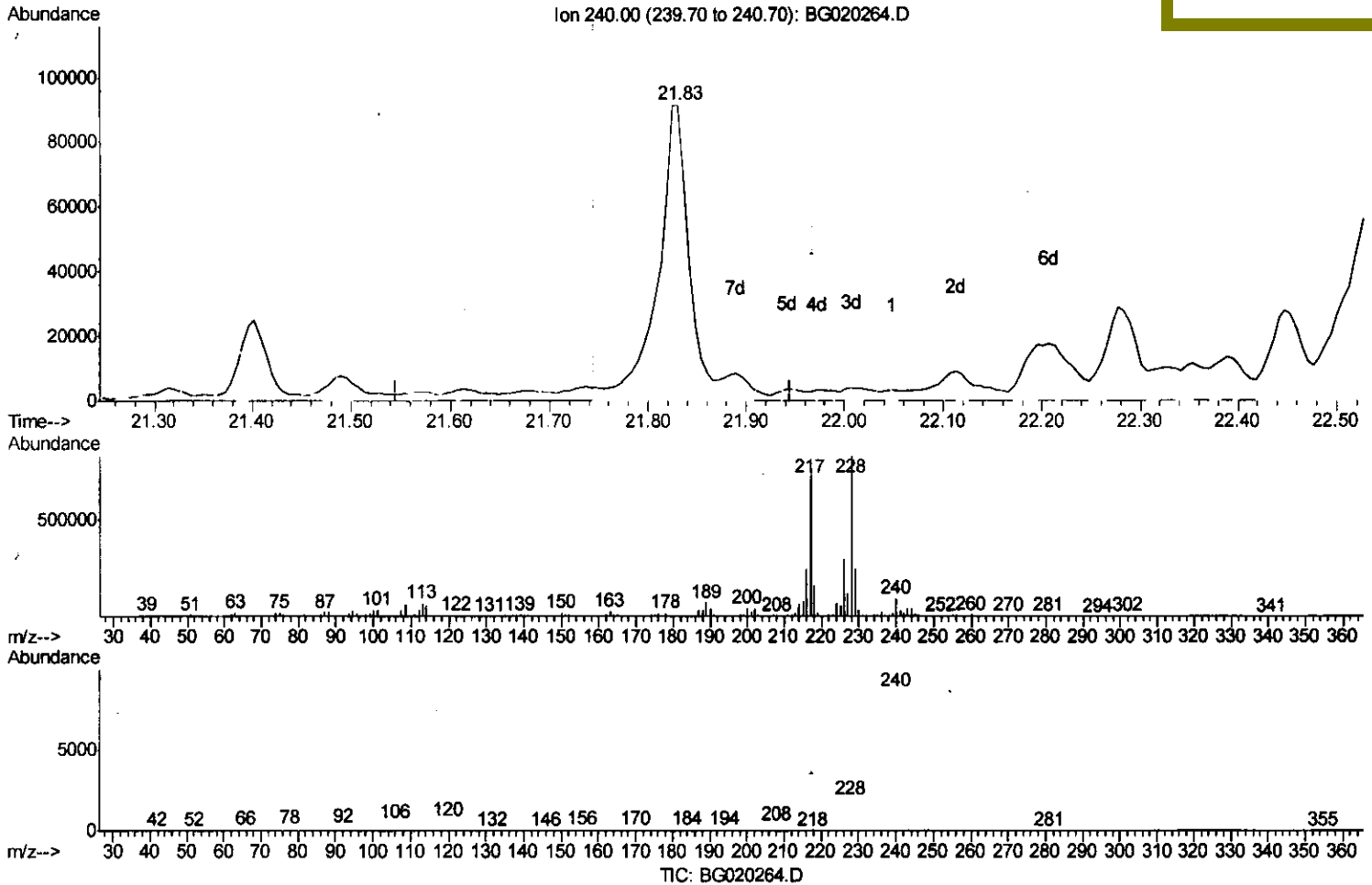
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 D9N44RE

Quant Time: Dec 18 15:21:10 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

MMdadoda
 12/18/2015 6:20:26 PM



(78) Chrysene-d12 (I)

21.831min (+0.085) 20.00ng/ul m

response 201007

U.M
 12/21/15

Ion	Exp%	Act%
240.00	100	100
120.00	6.90	7.70
236.00	26.40	27.38
0.00	0.00	0.00

Quantitation Report (Qedit)

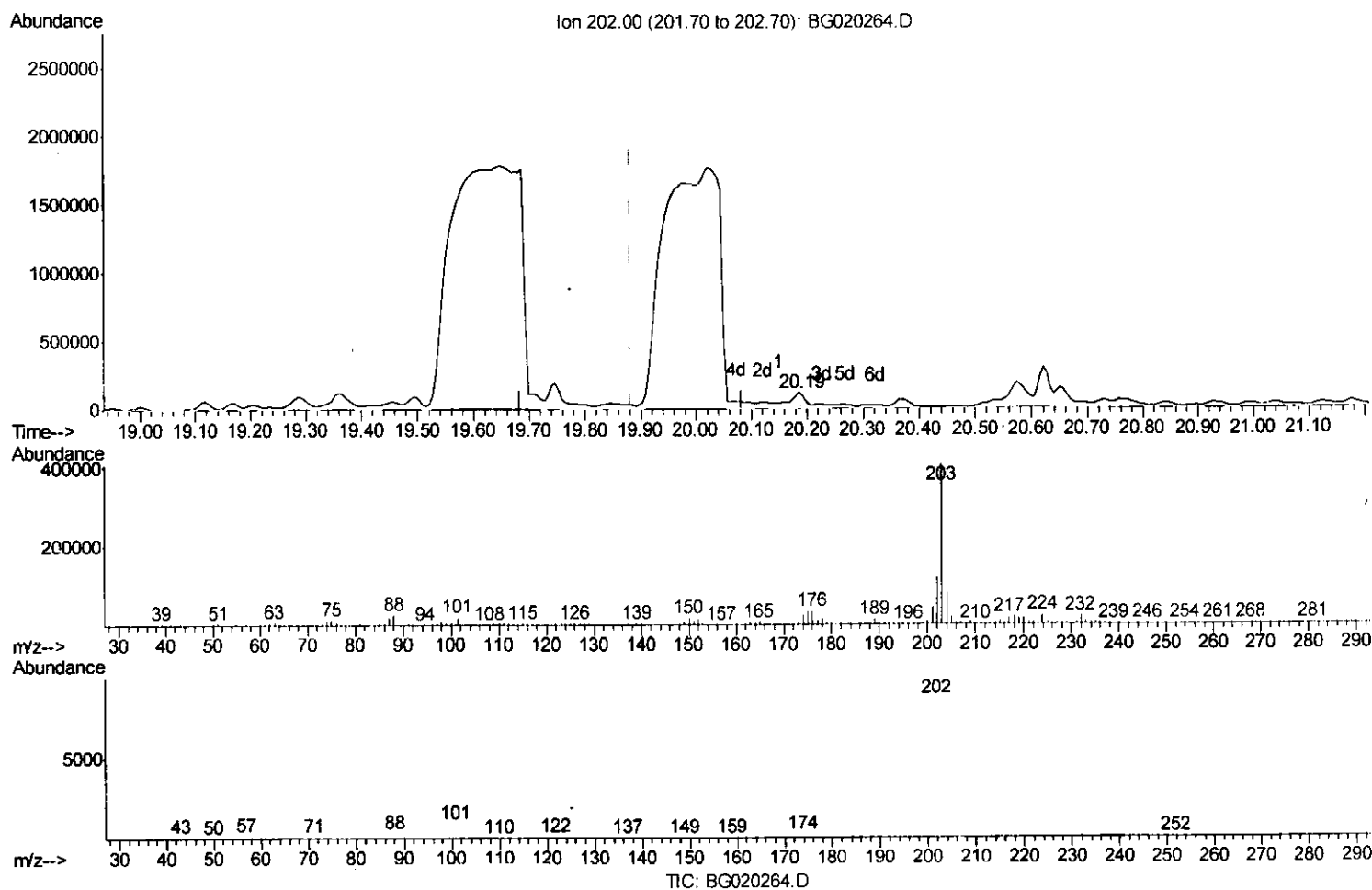
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SC
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:24:41 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



(80) Pyrene

20.186min (+0.303) 9.73ng/ul

response 118409

Ion	Exp%	Act%
202.00	100	100
101.00	8.70	16.89#
100.00	8.00	3.73#
0.00	0.00	0.00

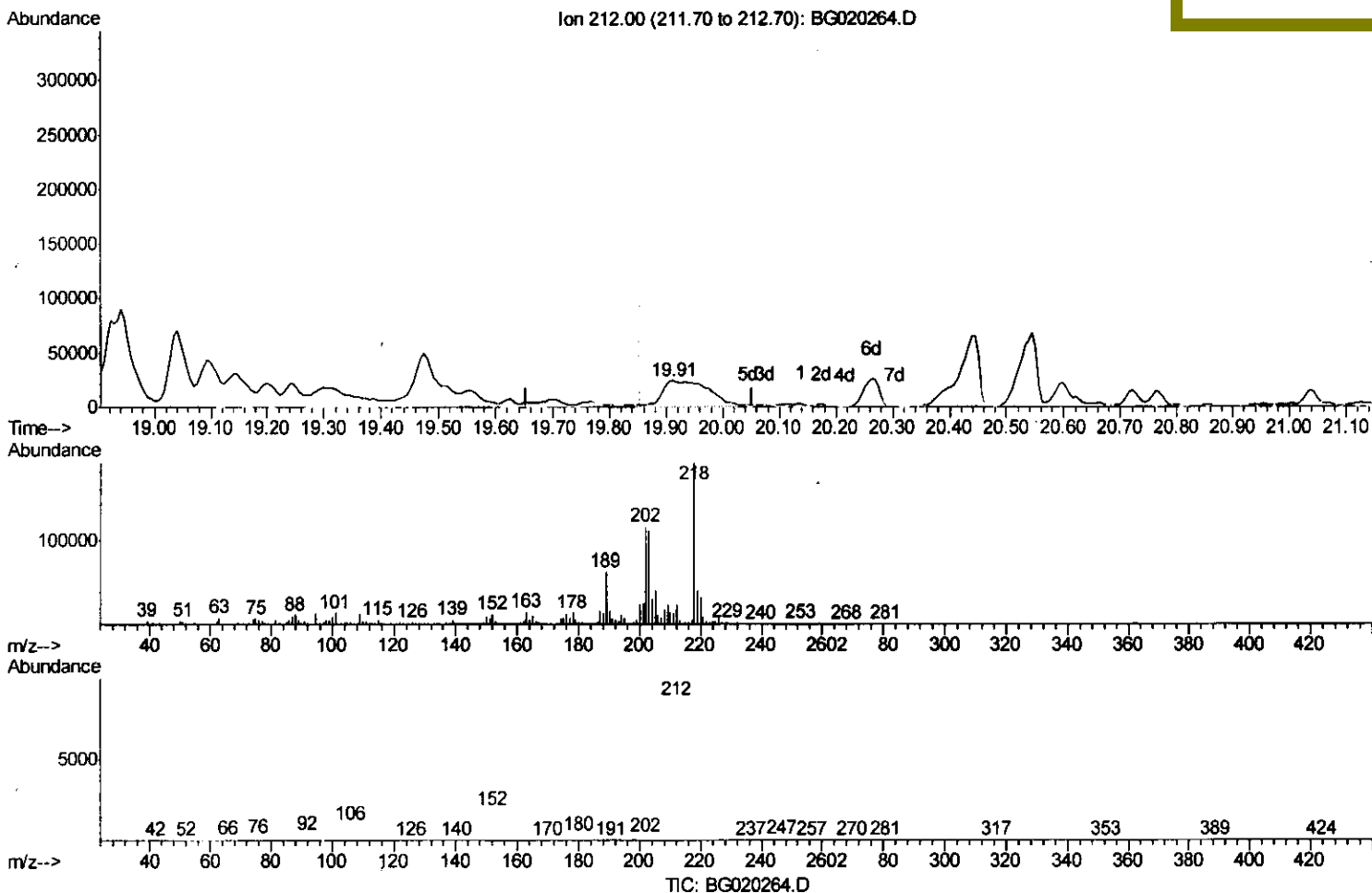
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N44RE

Quant Time: Dec 18 15:24:41 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

MMdadoda
12/18/2015 6:20:26 PM



(79) Pyrene-d10 (S)

19.909min (+0.056) 15.12ng/ul m

response 141672

U.M
12/21/15

Ion	Exp%	Act%
212.00	100	100
106.00	10.50	10.46
104.00	6.80	11.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

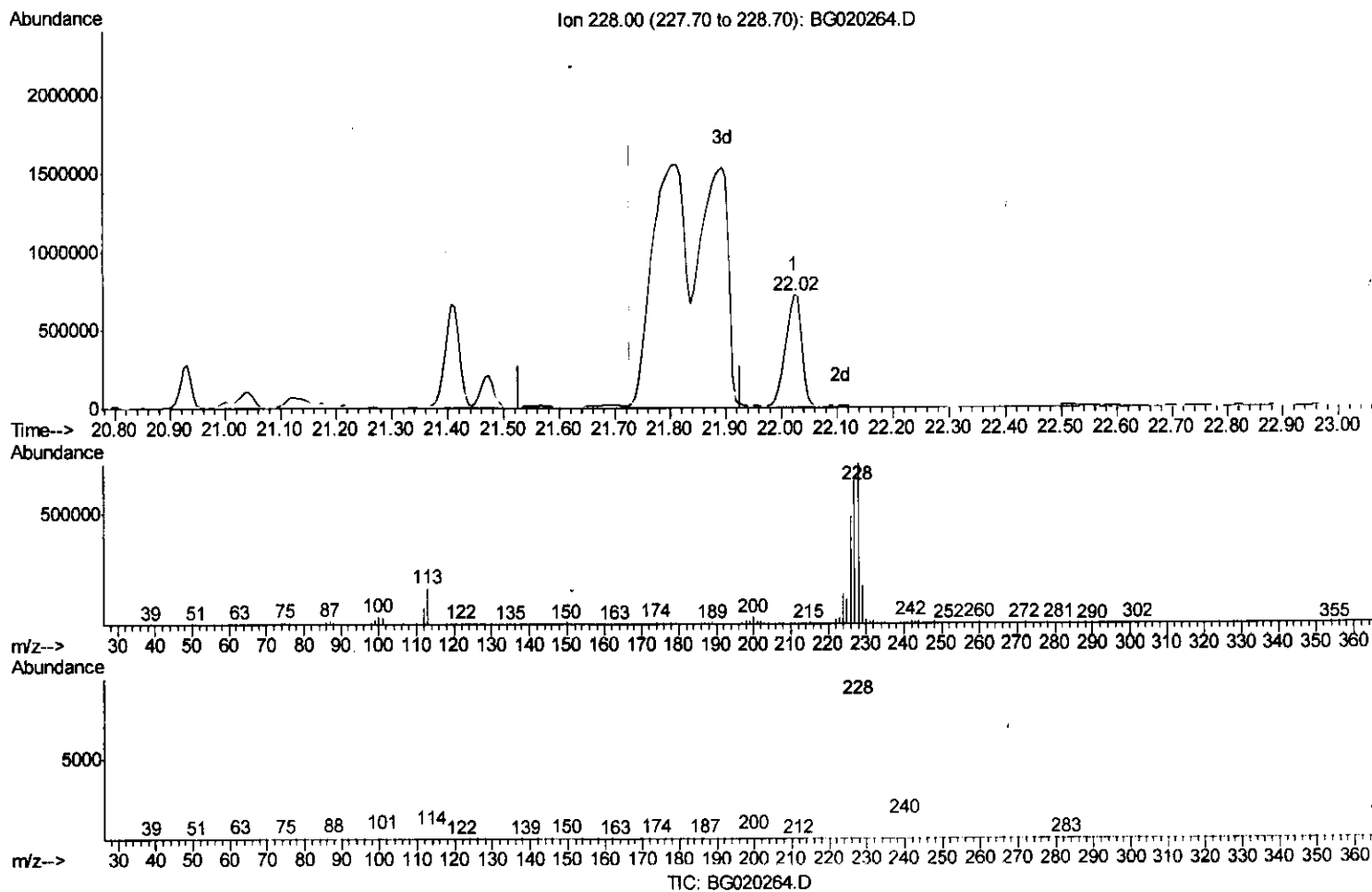
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:24:41 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



(83) Benzo(a)anthracene

22.025min (+0.297) 119.33ng/ul

response 1399599

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	23.70
226.00	27.20	66.99#
0.00	0.00	0.00

Quantitation Report (Qedit)

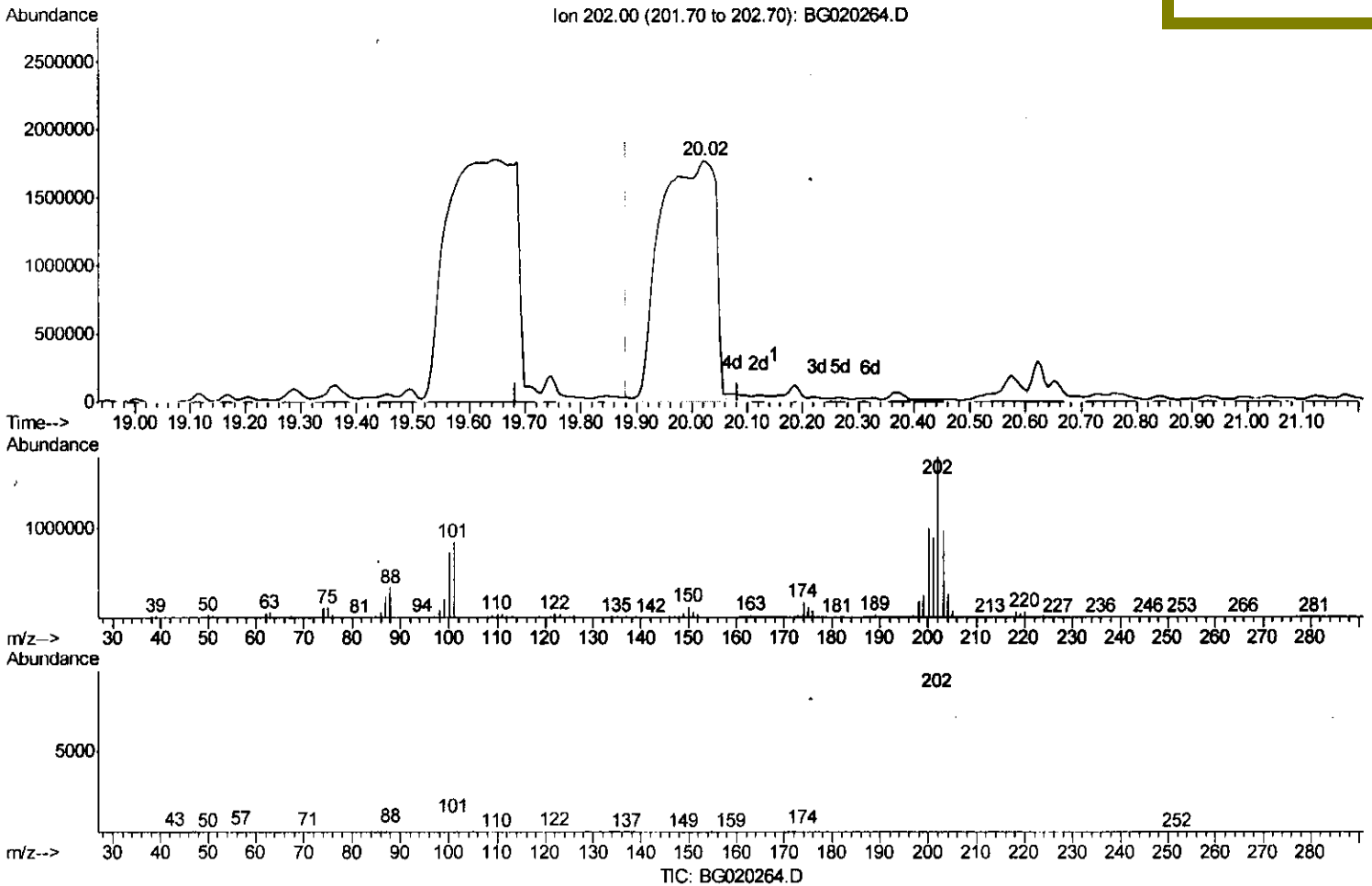
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:24:41 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

MMdadoda
 12/18/2015 6:20:26 PM



(80) Pyrene

20.021min (+0.138) 1004.05ng/ul m

response 12214950

Ion Exp% Act%

202.00 100 100

101.00 8.70 47.40#

100.00 8.00 40.82#

0.00 0.00 0.00

U.M
 12/21/15

Quantitation Report (Qedit)

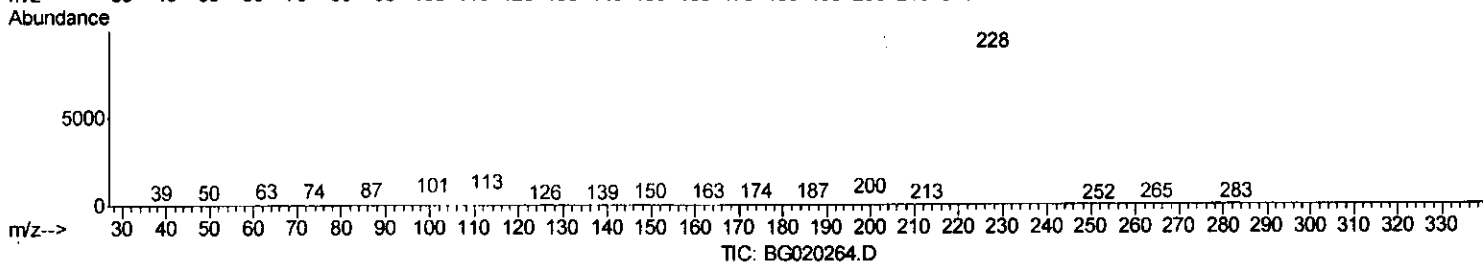
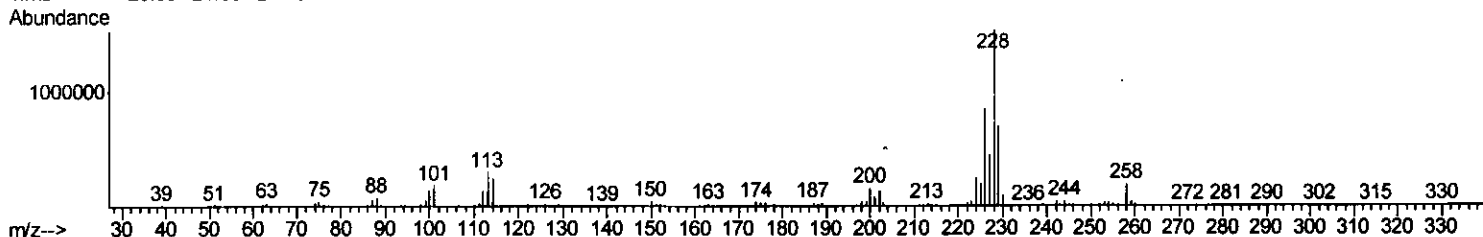
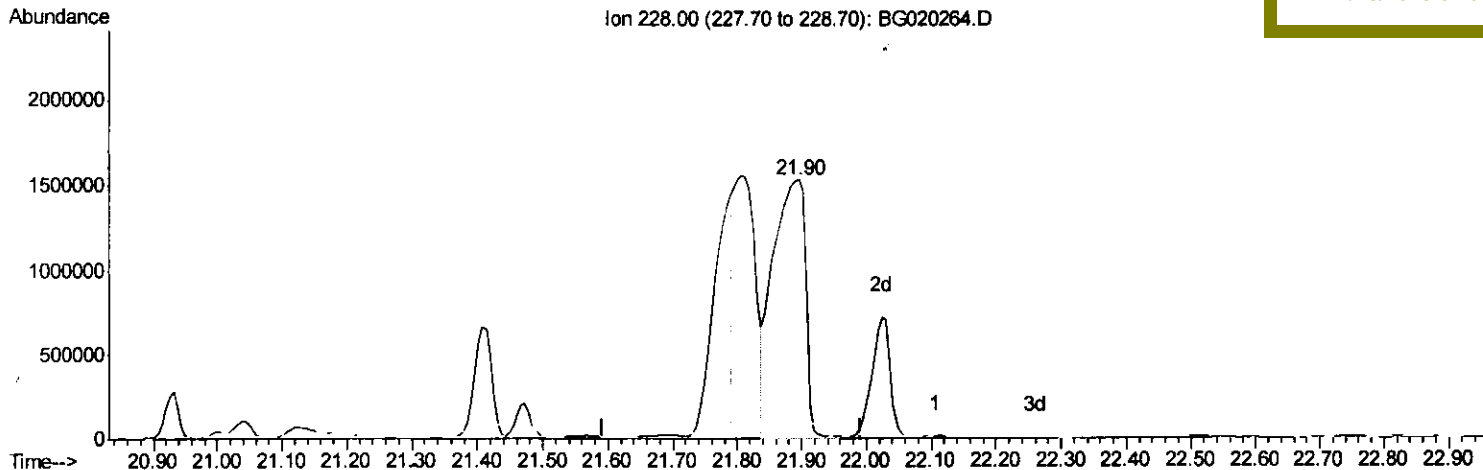
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:24:41 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

MMdadoda
 12/18/2015 6:20:26 PM



(85) Chrysene

21.895min (+0.103) 488.40ng/ul m

response 5394928

Ion	Exp%	Act%
228.00	100	100
226.00	29.90	56.41#
229.00	19.50	45.72#
0.00	0.00	0.00

U.M
 12/21/15

Quantitation Report (Qedit)

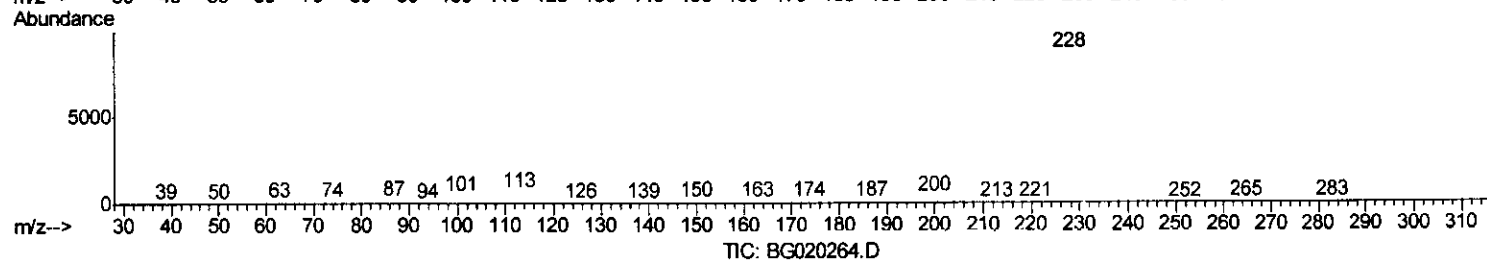
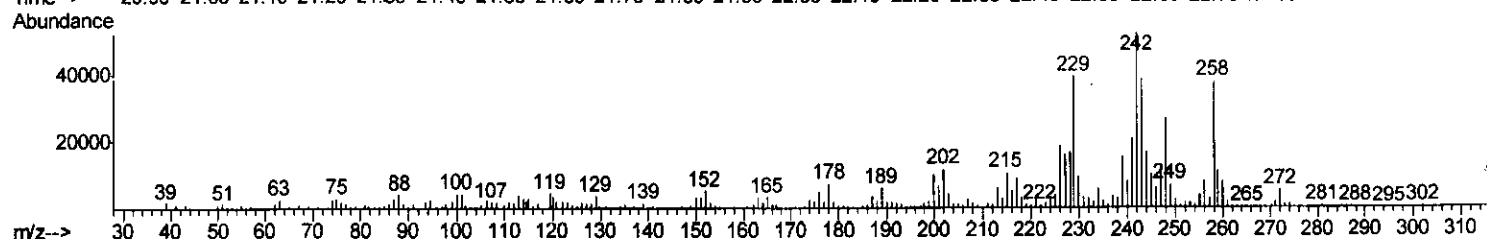
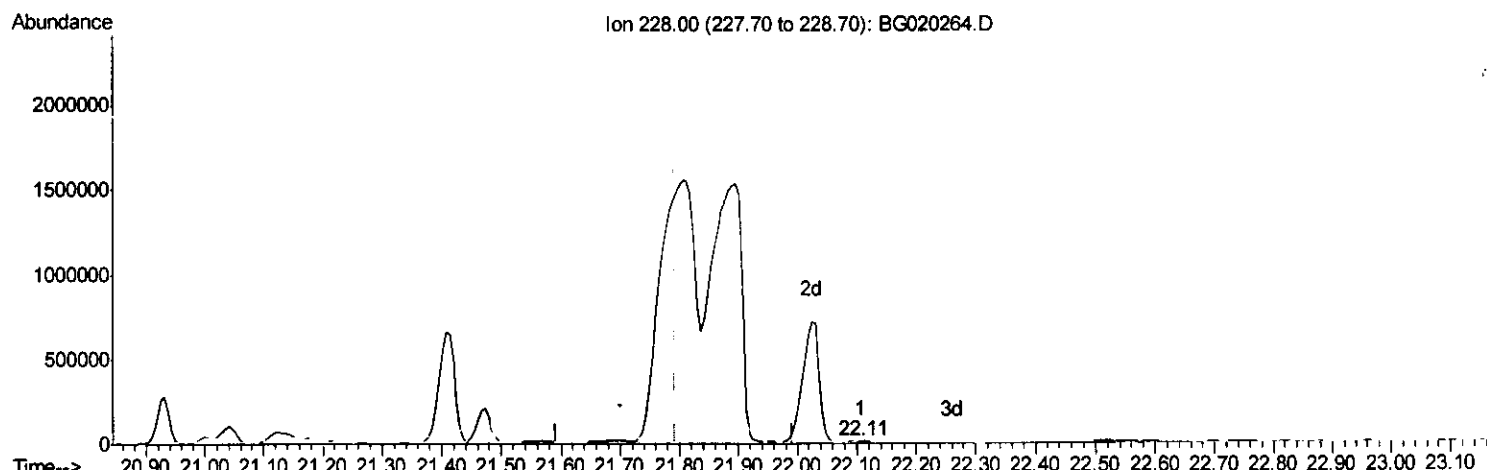
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:24:41 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



(85) Chrysene

22.107min (+0.314) 1.31ng/ul

response 14447

Ion	Exp%	Act%
228.00	100	100
226.00	29.90	110.42#
229.00	19.50	233.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

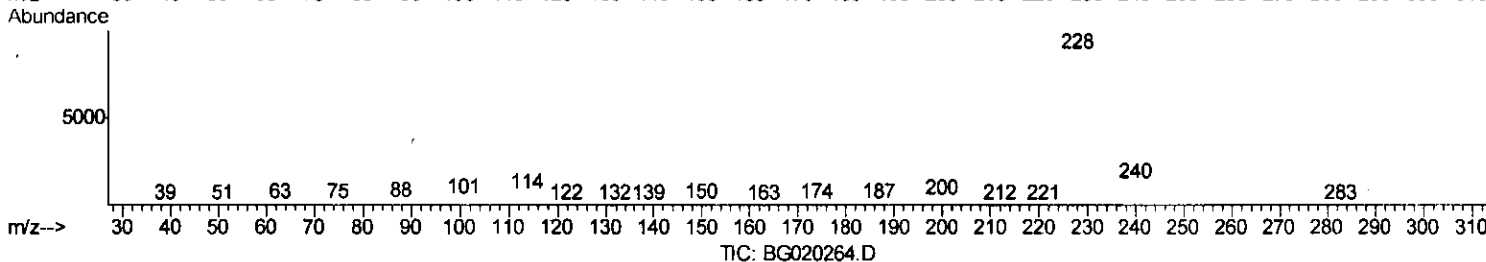
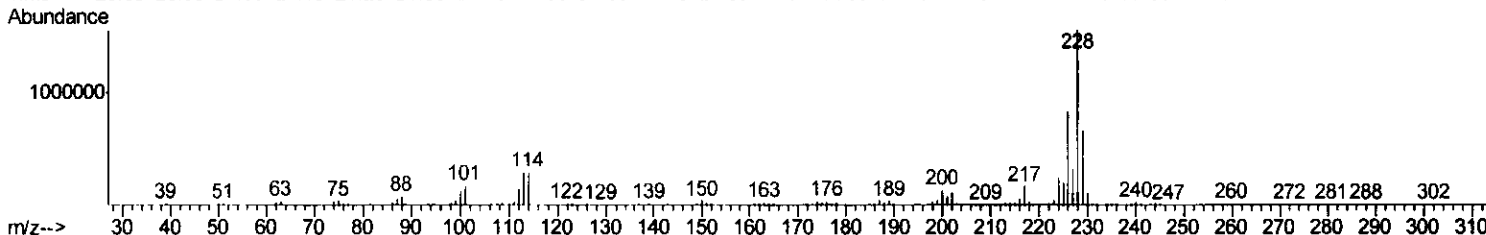
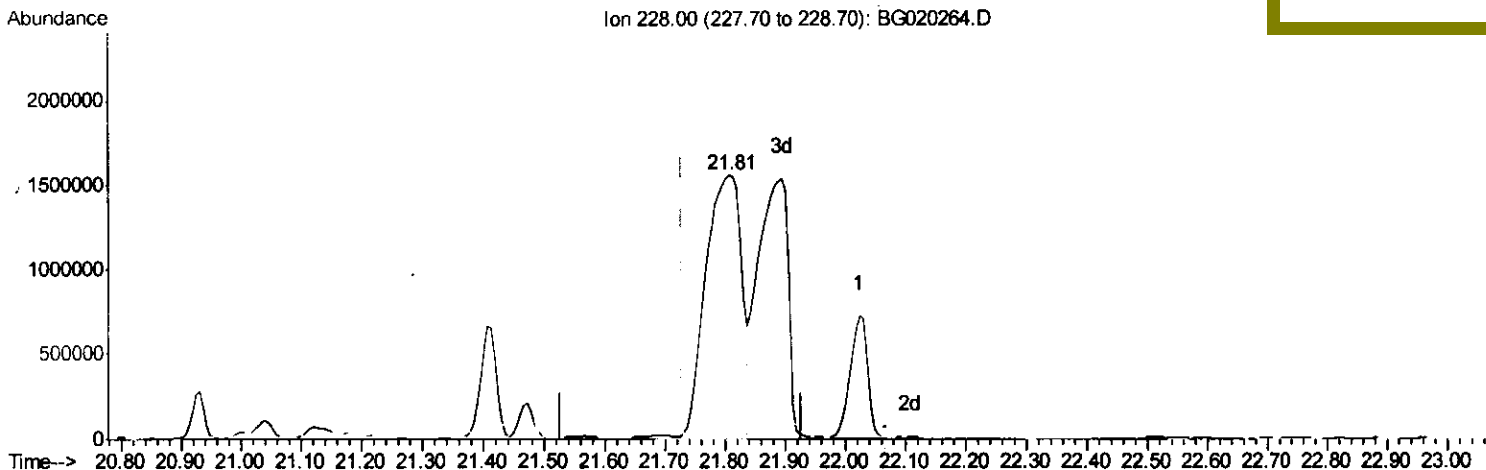
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:24:41 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



(83) Benzo(a)anthracene

21.807min (+0.079) 558.41ng/ul m U.M
 response 6549378 12/21/15

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	42.81#
226.00	27.20	53.63#
0.00	0.00	0.00

Quantitation Report (Qedit)

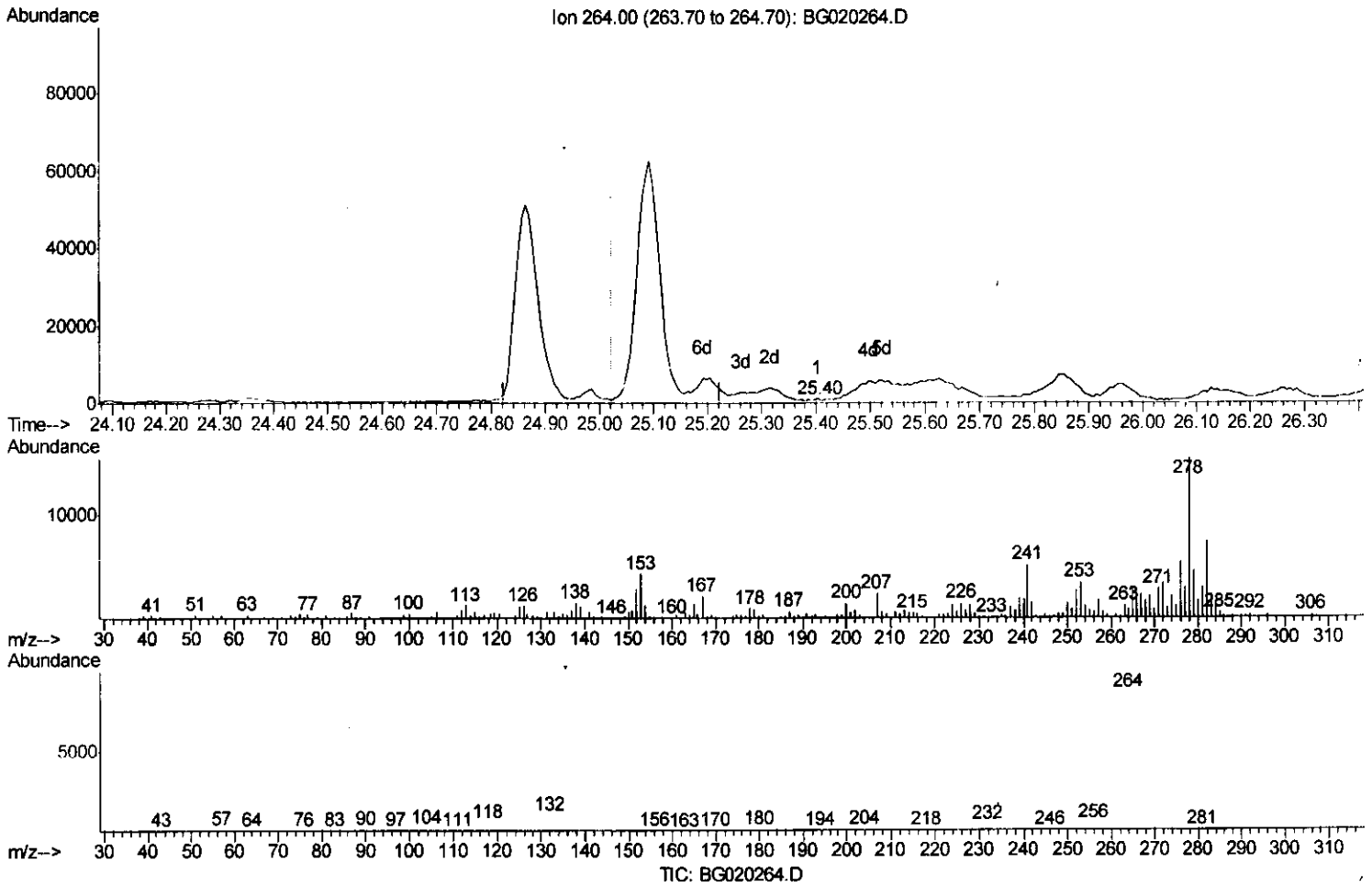
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:24:41 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



(86) Perylene-d12 (I)

25.403min (+0.379) 20.00ng/ul

response 469

Ion	Exp%	Act%
264.00	100	100
260.00	22.70	27.22
265.00	23.30	288.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

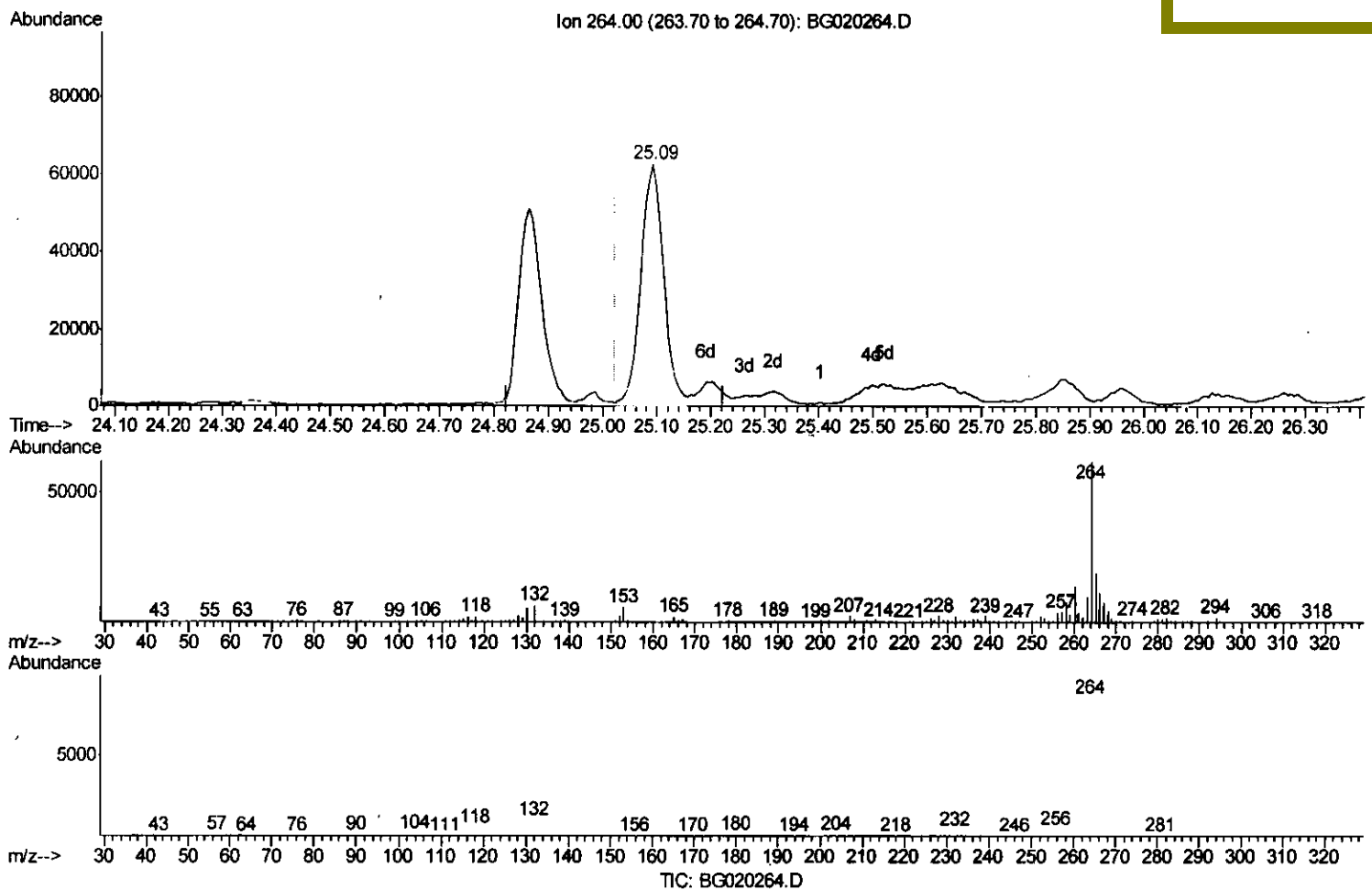
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:24:41 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

MMdadoda
 12/18/2015 6:20:26 PM



(86) Perylene-d12 (I)

25.092min (+0.068) 20.00ng/ul m

response 186327

Ion	Exp%	Act%
264.00	100	100
260.00	22.70	23.01
265.00	23.30	31.10#
0.00	0.00	0.00

U.M
 12/21/15

Quantitation Report (Qedit)

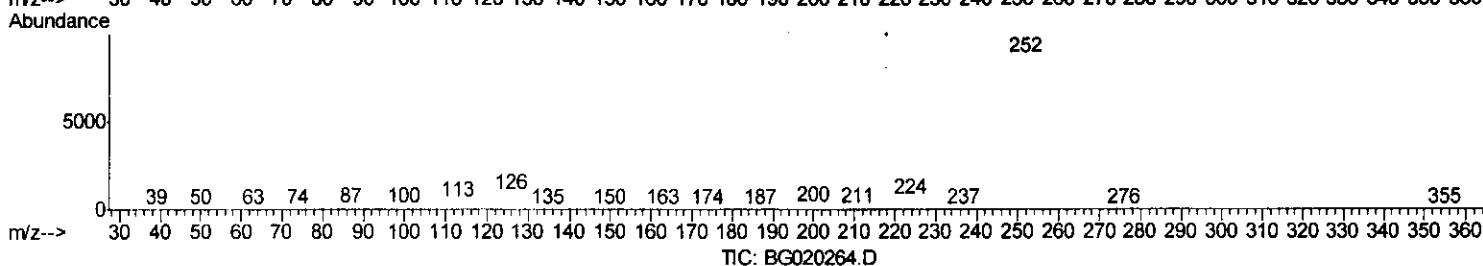
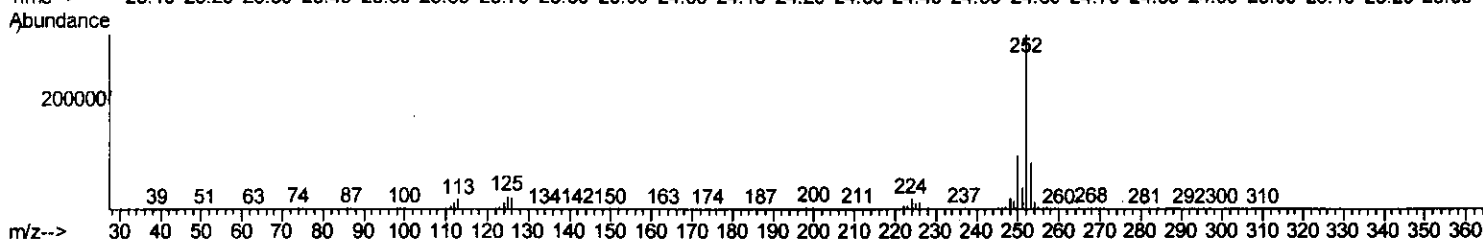
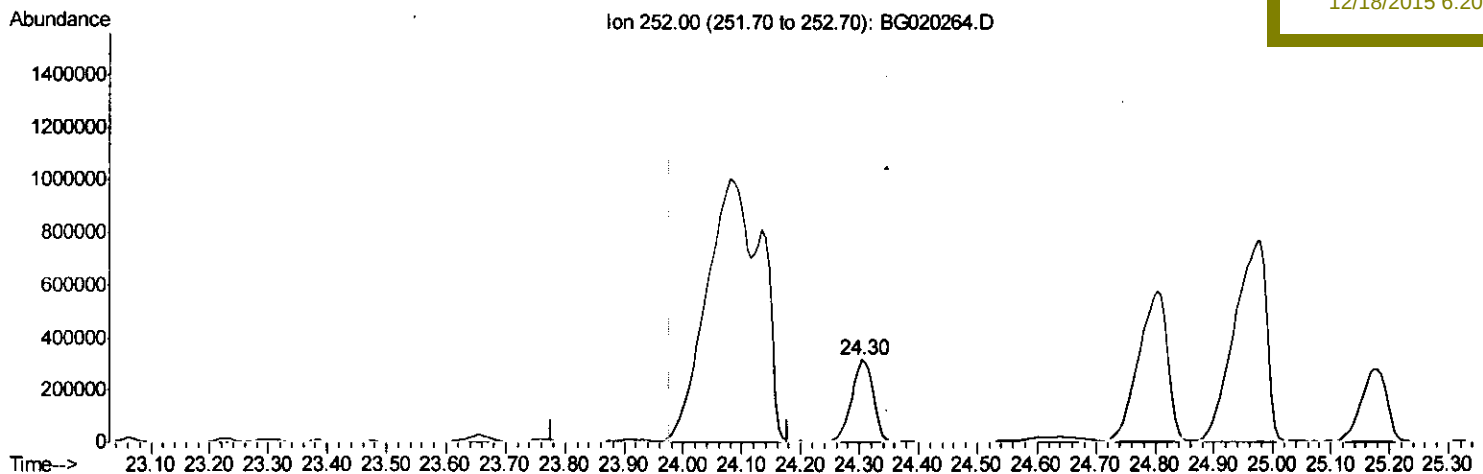
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N44RE

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:27:27 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



(88) Benzo(b)fluoranthene

24.304min (+0.326) 69.90ng/ul

response 783935

Ion	Exp%	Act%
252.00	100	100
253.00	20.90	26.70#
125.00	7.70	7.63
0.00	0.00	0.00

Quantitation Report (Qedit)

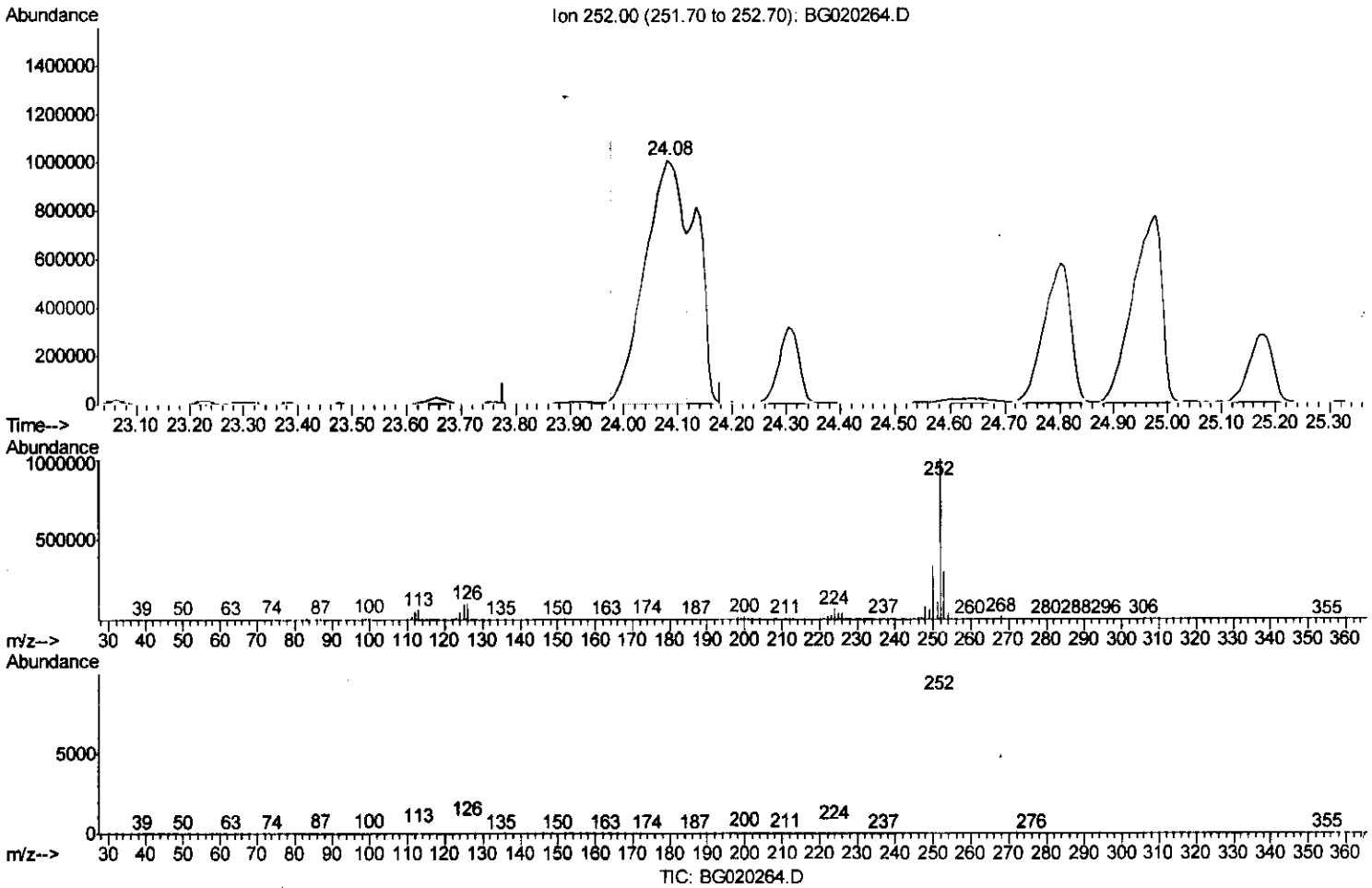
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:27:27 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



(88) Benzo(b)fluoranthene

24.081min (+0.103) 441.42ng/ul m

response 4950350

Ion Exp% Act%

252.00 100 100

253.00 20.90 29.86#

125.00 7.70 9.40#

0.00 0.00 0.00

Quantitation Report (Qedit)

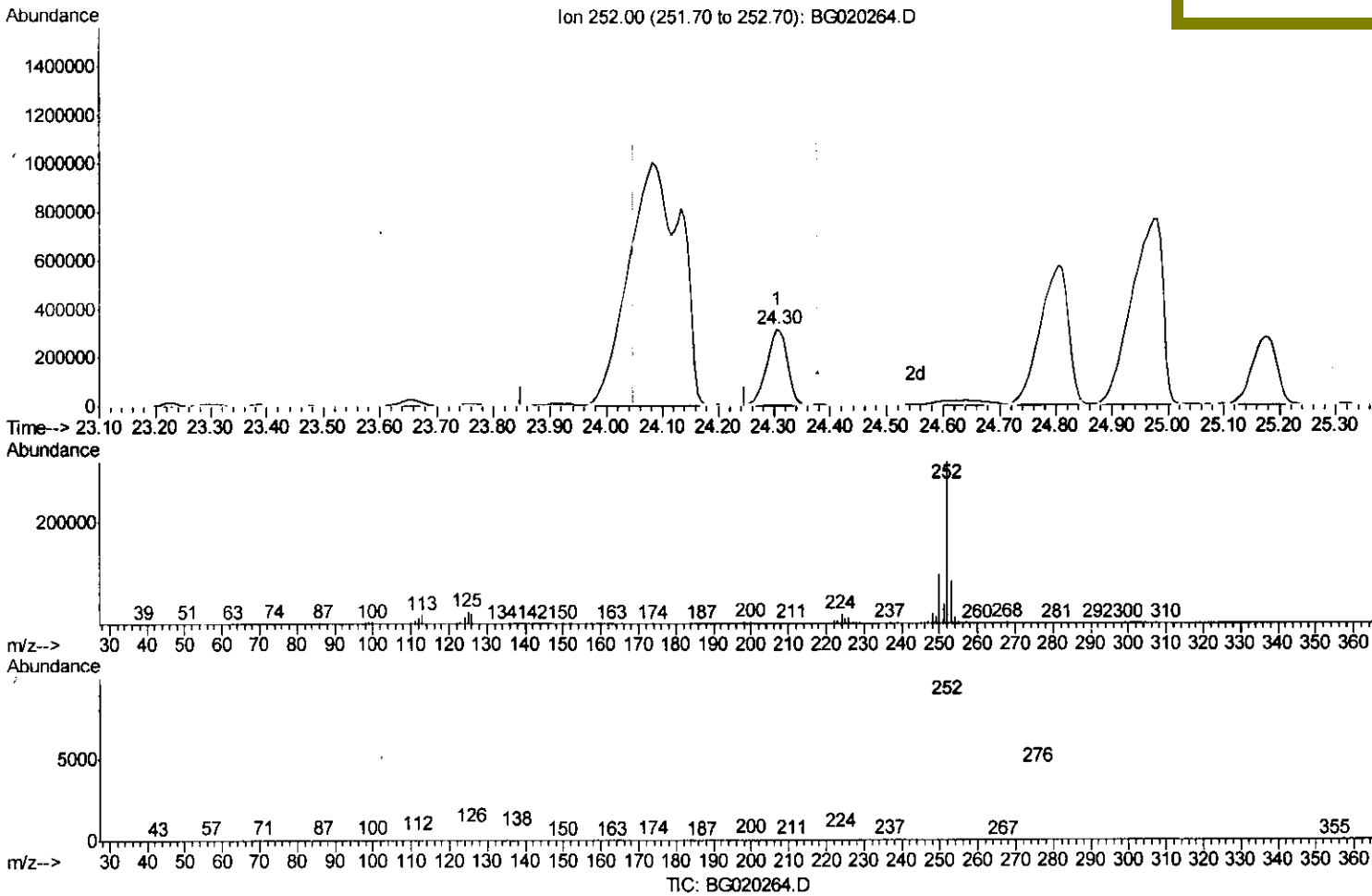
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 19 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:27:27 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

MMdadoda
 12/18/2015 6:20:26 PM



(89) Benzo(k)fluoranthene

24.304min (+0.256) 72.84ng/ul

response 783935

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	26.70
125.00	7.20	7.63
0.00	0.00	0.00

Quantitation Report (Qedit)

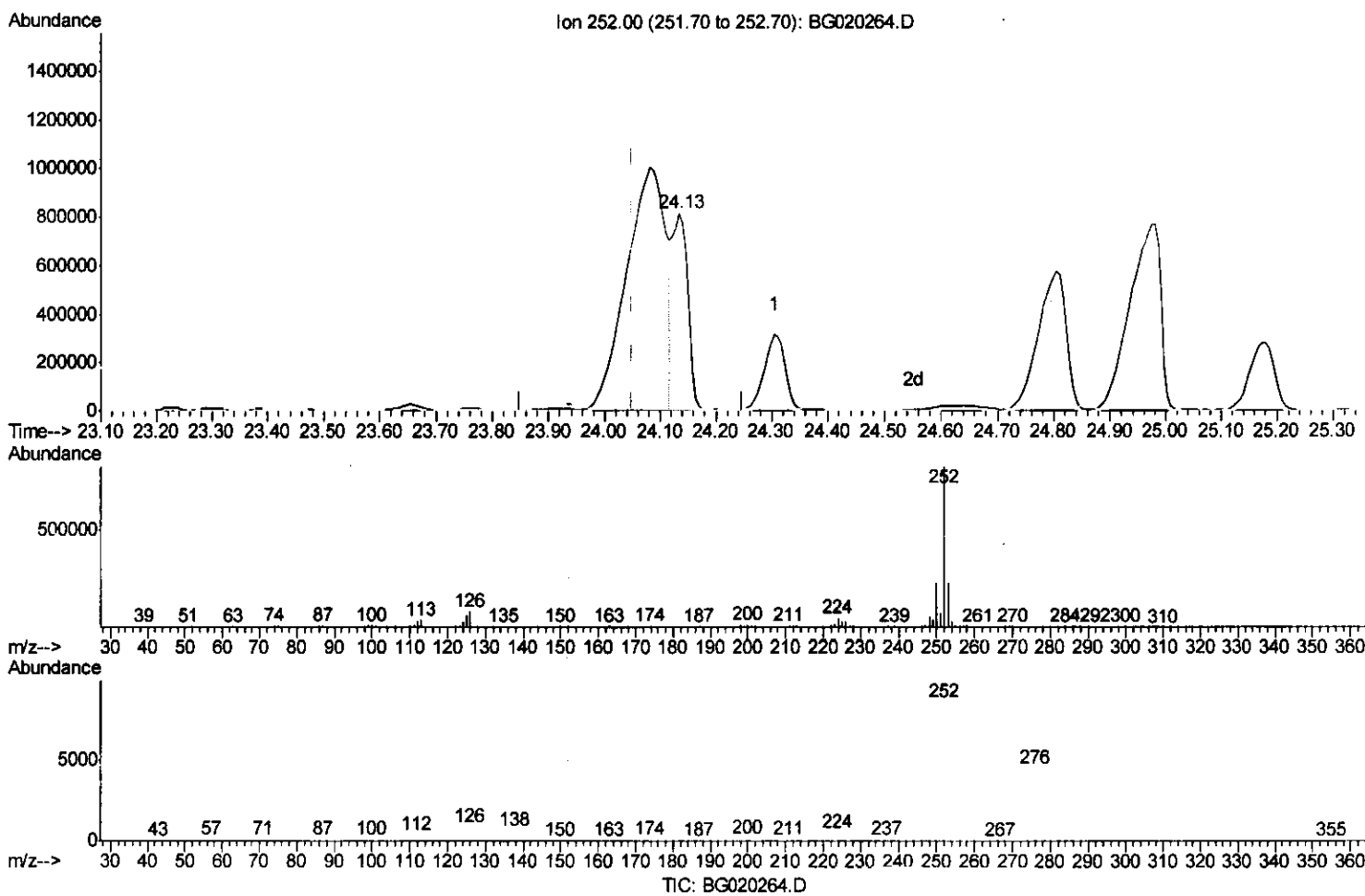
Data Path : Z:\HPCHEM1\BNA_G\Data\HG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:27:27 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



(89) Benzo(k)fluoranthene

24.134min (+0.085) 146.98ng/ul m

response 1581801

Ion Exp% Act%

252.00 100 100

253.00 22.40 28.26#

125.00 7.20 7.32

0.00 0.00 0.00

U.M
 12/21/15

Quantitation Report (Qedit)

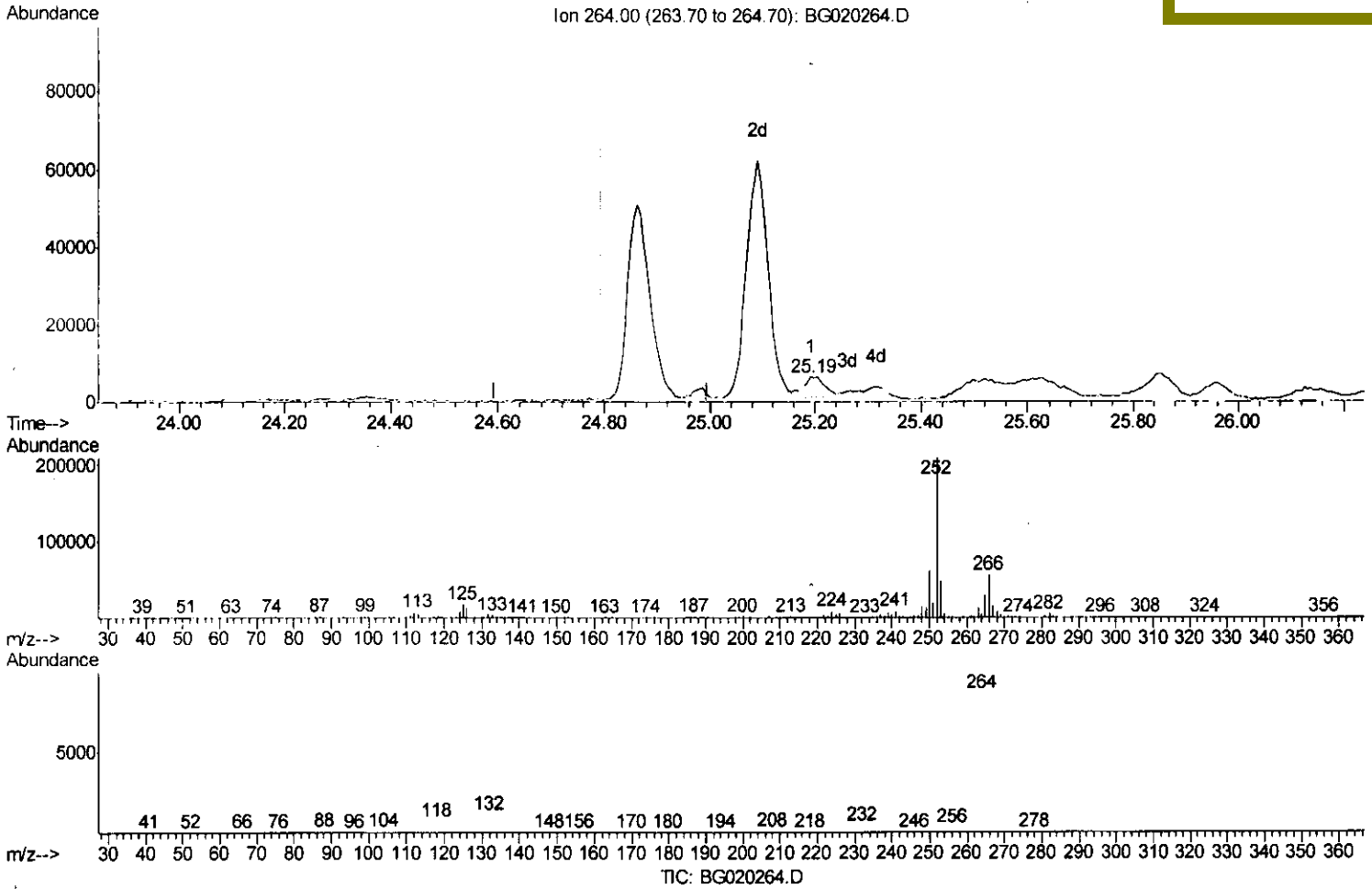
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : CM/SJ
 Sample : 04767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:27:27 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

MMdadoda
 12/18/2015 6:20:26 PM



(90) Benzo(a)pyrene-d12 (S)

25.191min (+0.397) 1.57ng/ul

response 14582

Ion	Exp%	Act%
264.00	100	100
132.00	11.30	0.00#
118.00	6.70	48.40#
0.00	0.00	0.00

Quantitation Report (Qedit)

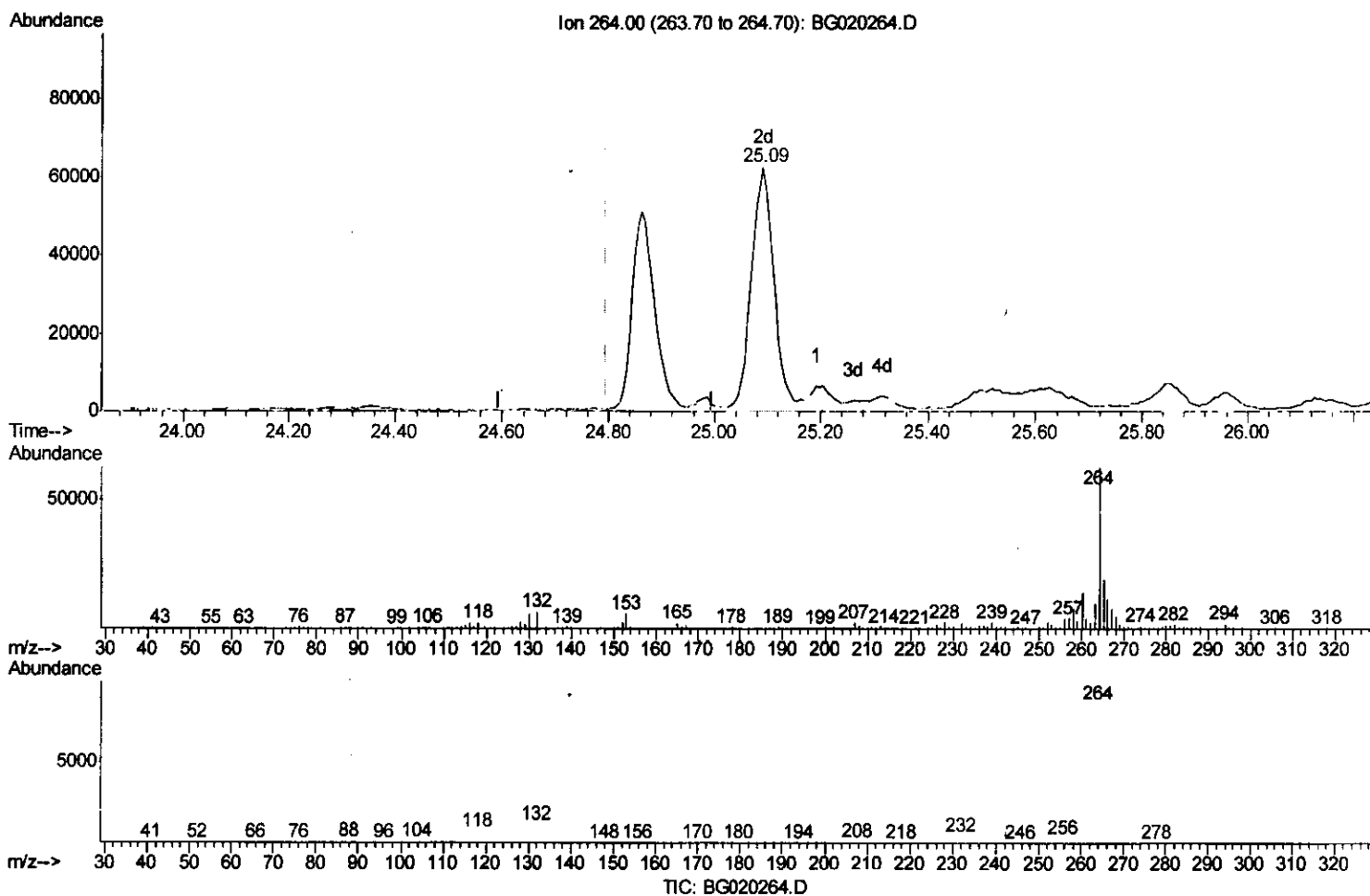
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:27:27 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



(90) Benzo(a)pyrene-d12 (S)

25.092min (+0.297) 20.05ng/ul m

response 186327

Ion	Exp%	Act%
264.00	100	100
132.00	11.30	10.67
118.00	6.70	4.00#
0.00	0.00	0.00

U.M
 12/21/15

Quantitation Report (Qedit)

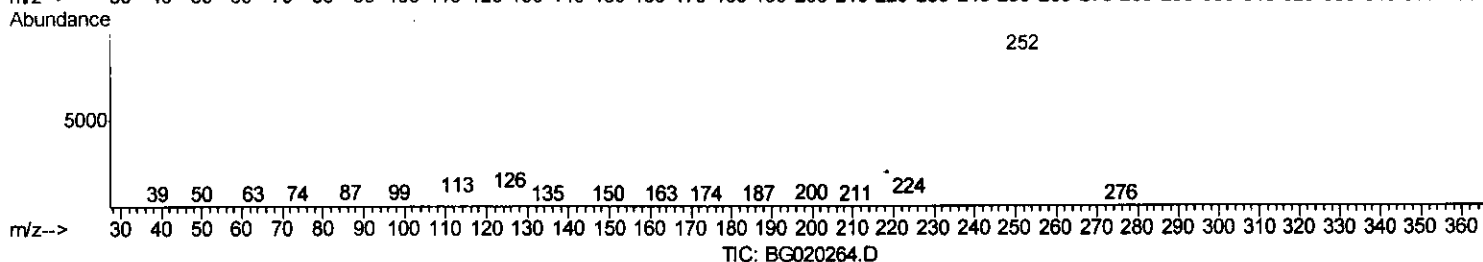
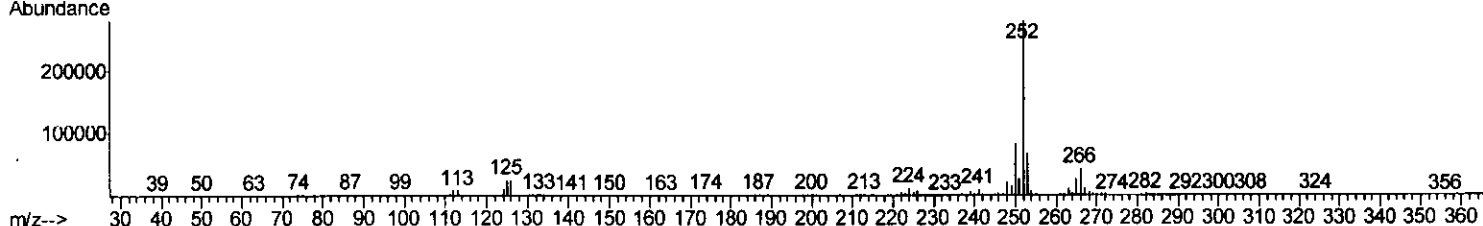
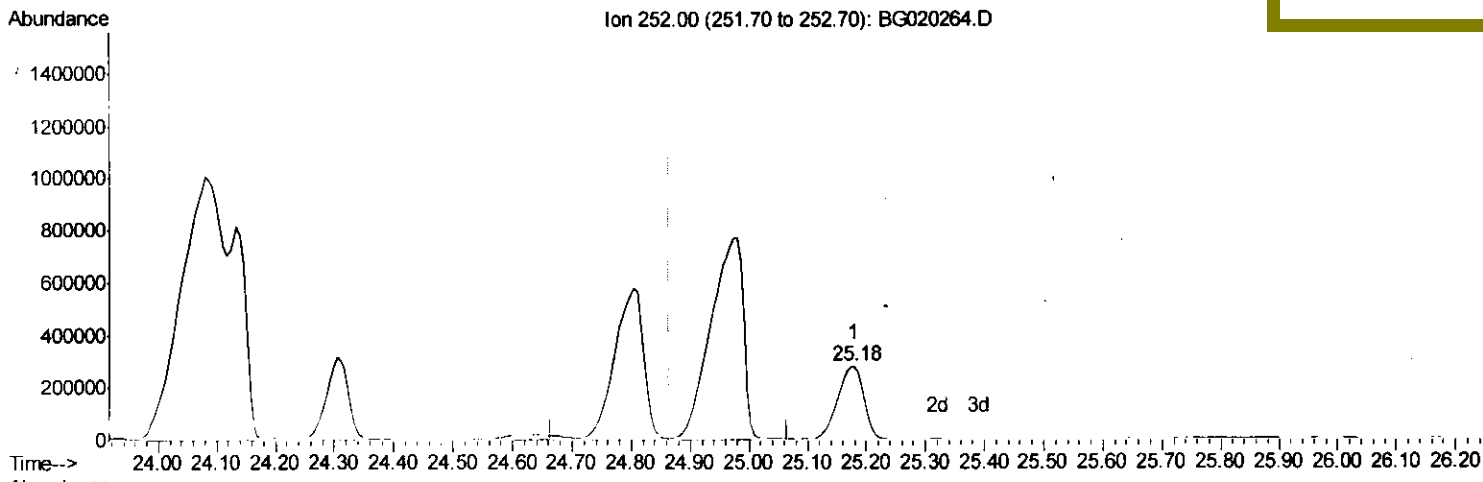
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : C4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N44RE

Quant Time: Dec 18 15:27:27 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

MMdadoda
12/18/2015 6:20:26 PM



(91) Benzo(a)pyrene (C)

25.180min (+0.314) 80.74ng/ul

response 858317

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	23.99
125.00	7.80	9.25
0.00	0.00	0.00

Quantitation Report (Qedit)

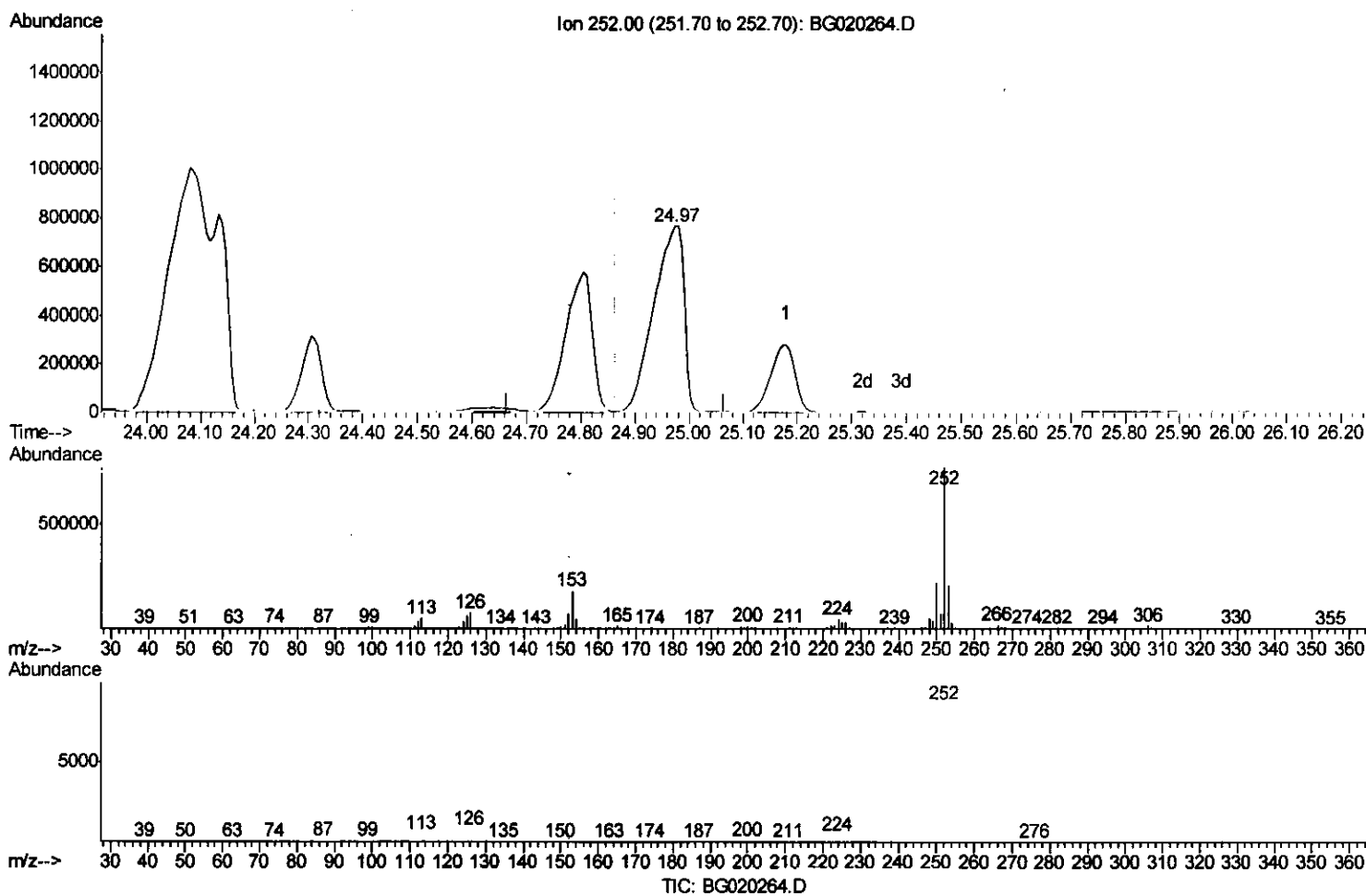
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:27:27 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



(91) Benzo(a)pyrene (C)

24.974min (+0.109) 280.94ng/ul m

response 2986558

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	26.62#
125.00	7.80	8.32
0.00	0.00	0.00

U.M
 12/21/15

Quantitation Report (Qedit)

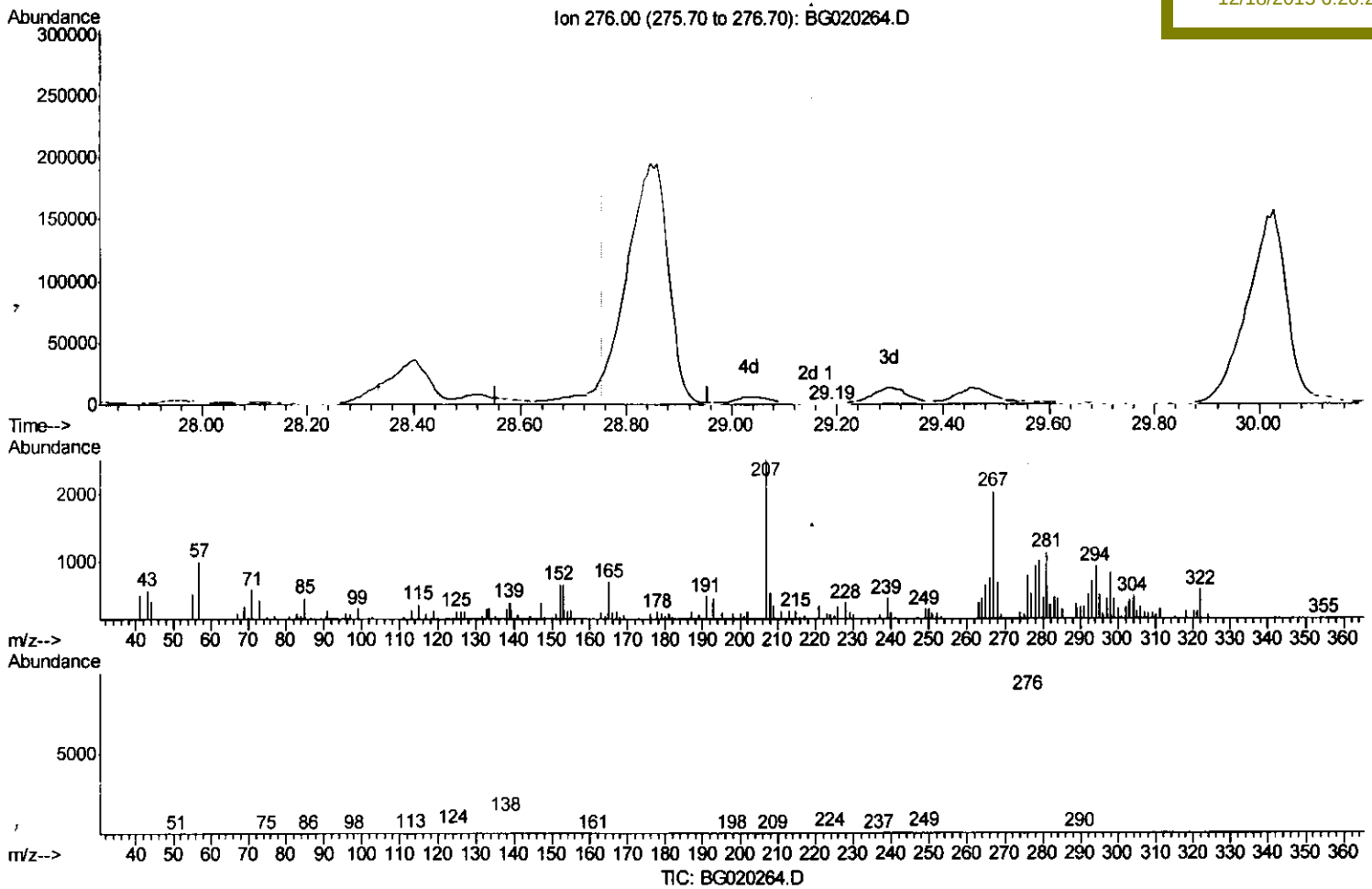
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:27:27 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

MMdadoda
 12/18/2015 6:20:26 PM



(92) Indeno(1,2,3-cd)pyrene

29.187min (+0.432) 0.01ng/ul

response 119

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	37.77#
277.00	21.70	66.54#
0.00	0.00	0.00

Quantitation Report (Qedit)

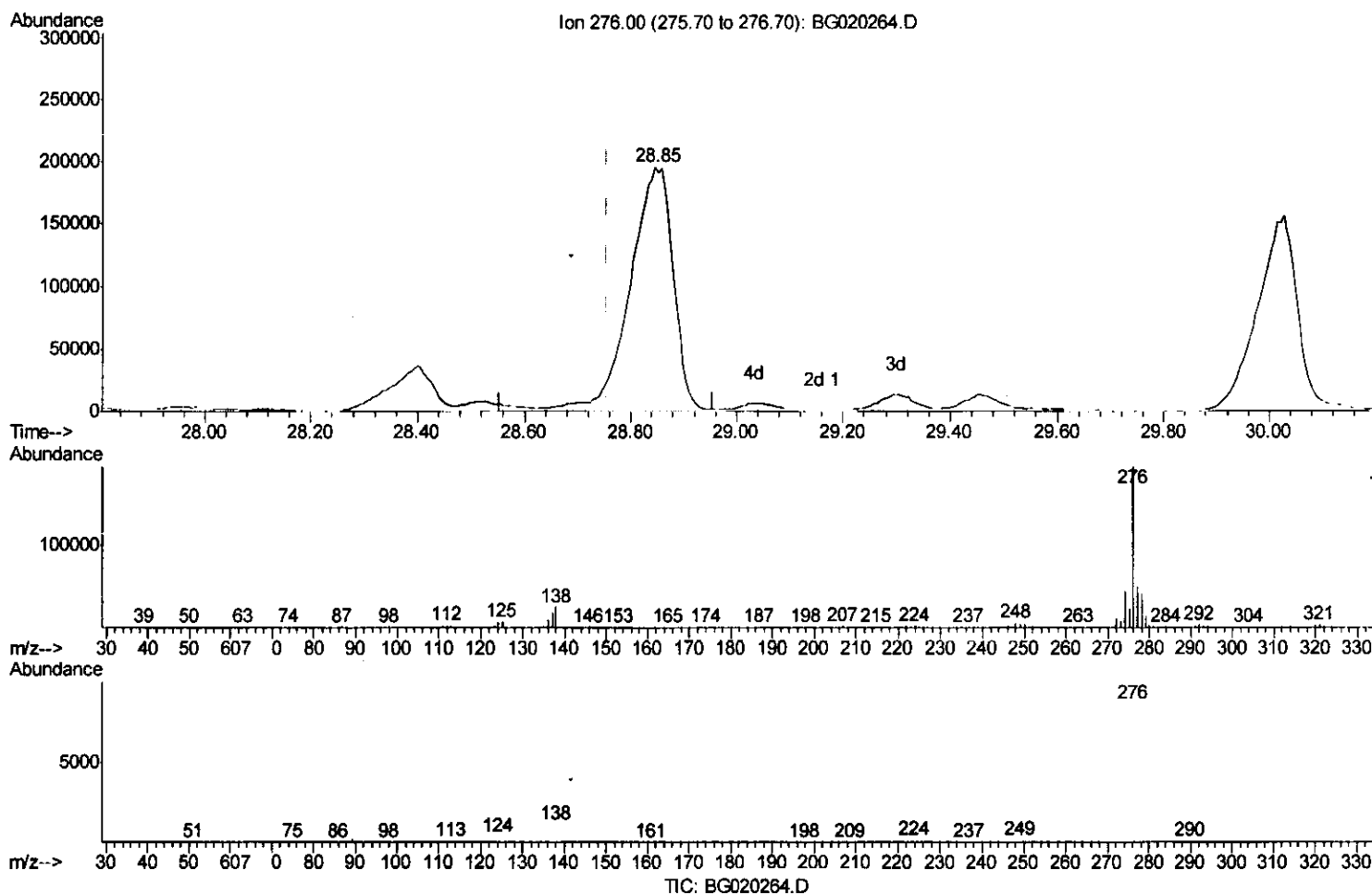
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:27:27 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



(92) Indeno(1,2,3-cd)pyrene

28.846min (+0.091) 85.36ng/ul m

response 1080671

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	12.84
277.00	21.70	25.38
0.00	0.00	0.00

U.M
 12/21/15

Quantitation Report (Qedit)

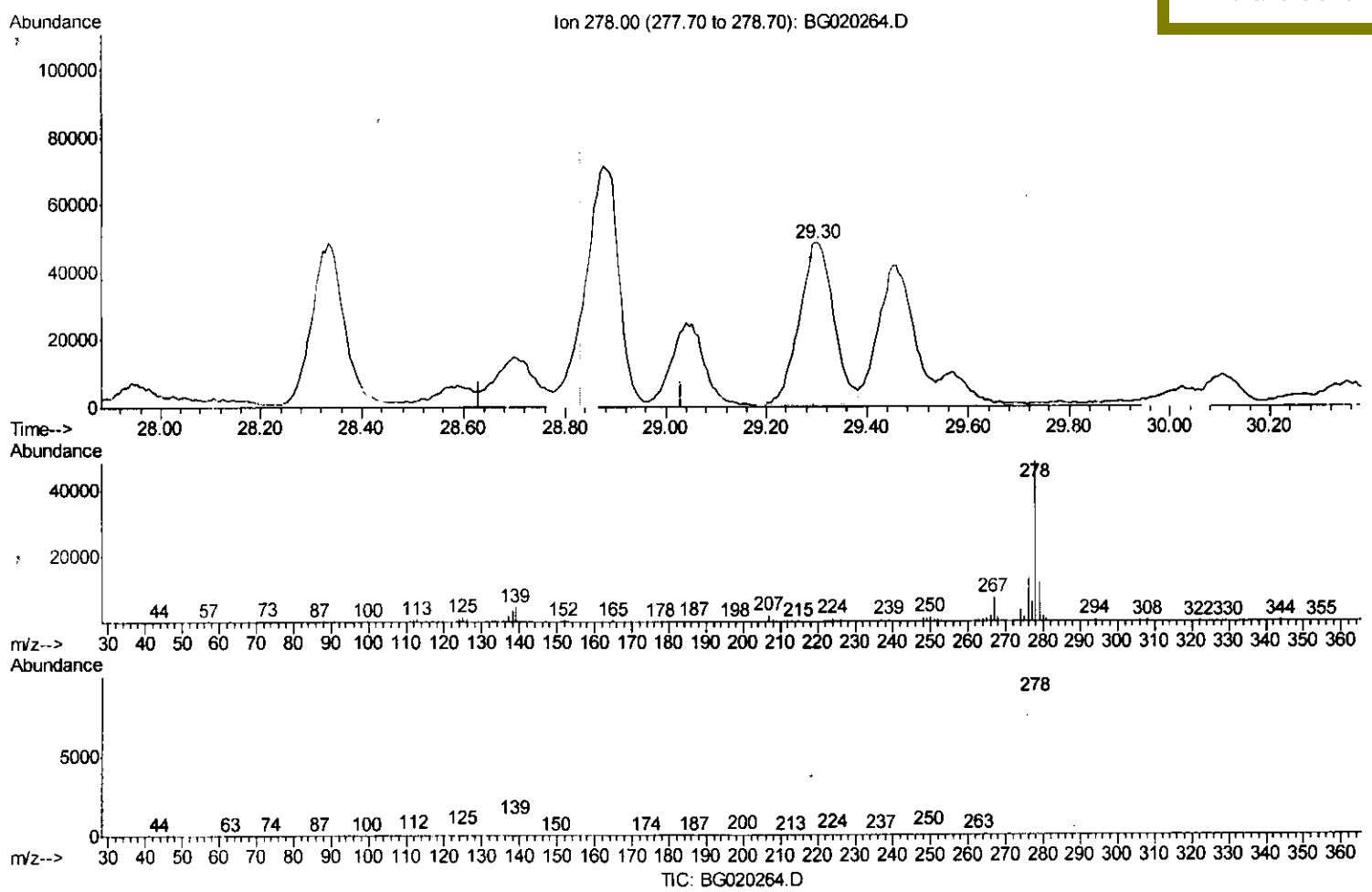
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121415\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Quant Time: Dec 18 15:27:27 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

MMdadoda
 12/18/2015 6:20:26 PM



(93) Dibenzo(a,h)anthracene

29.298min (+0.467) 21.47ng/ul

response 225637

Ion	Exp%	Act%
278.00	100	100
139.00	11.80	9.61
279.00	24.20	24.91
0.00	0.00	0.00

Quantitation Report (Qedit)

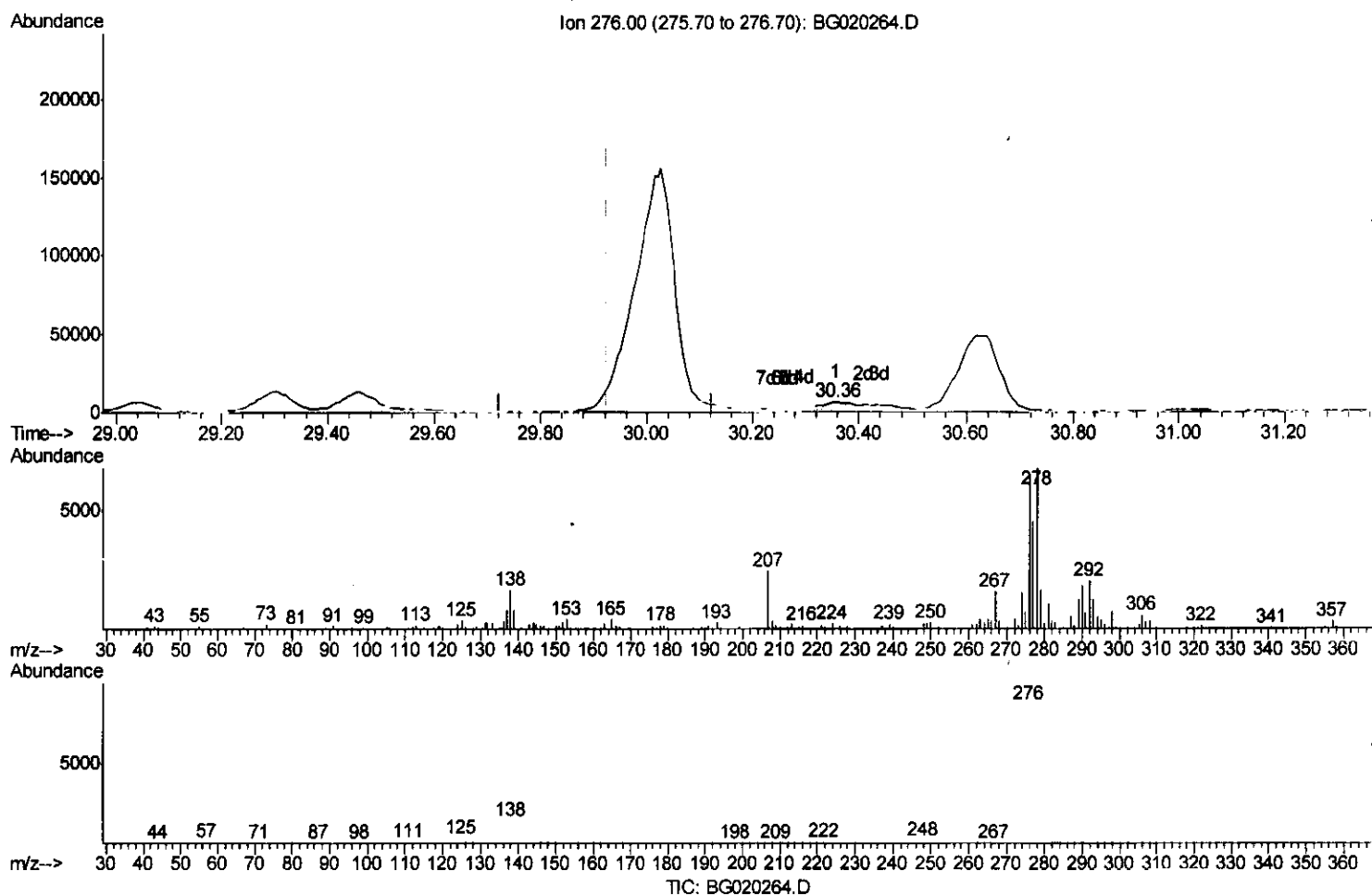
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:27:27 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

30.356min (+0.432) 1.33ng/ul

response 13810

Ion	Exp%	Act%
276.00	100	100
138.00	13.50	40.85#
277.00	24.90	70.26#
0.00	0.00	0.00

Quantitation Report (Qedit)

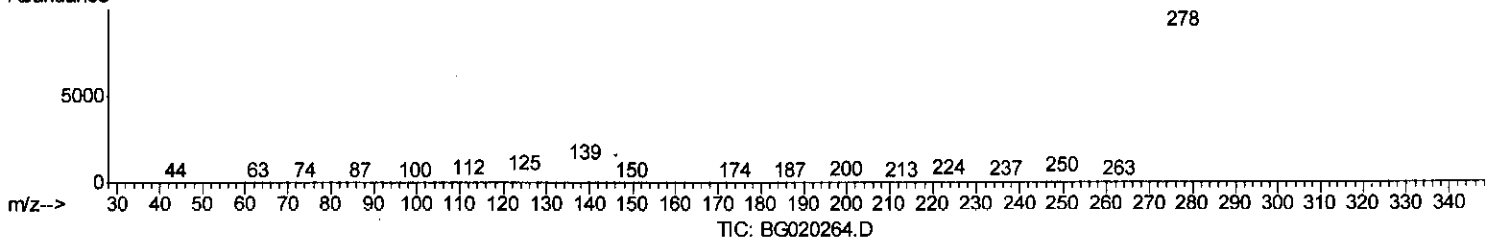
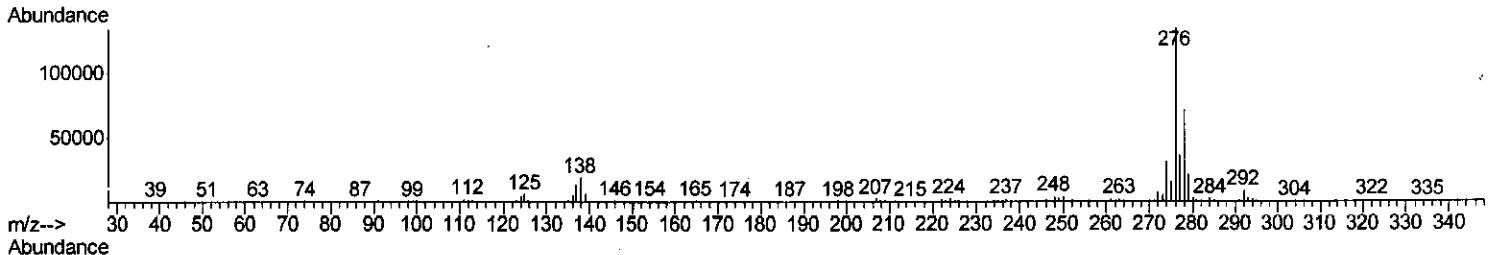
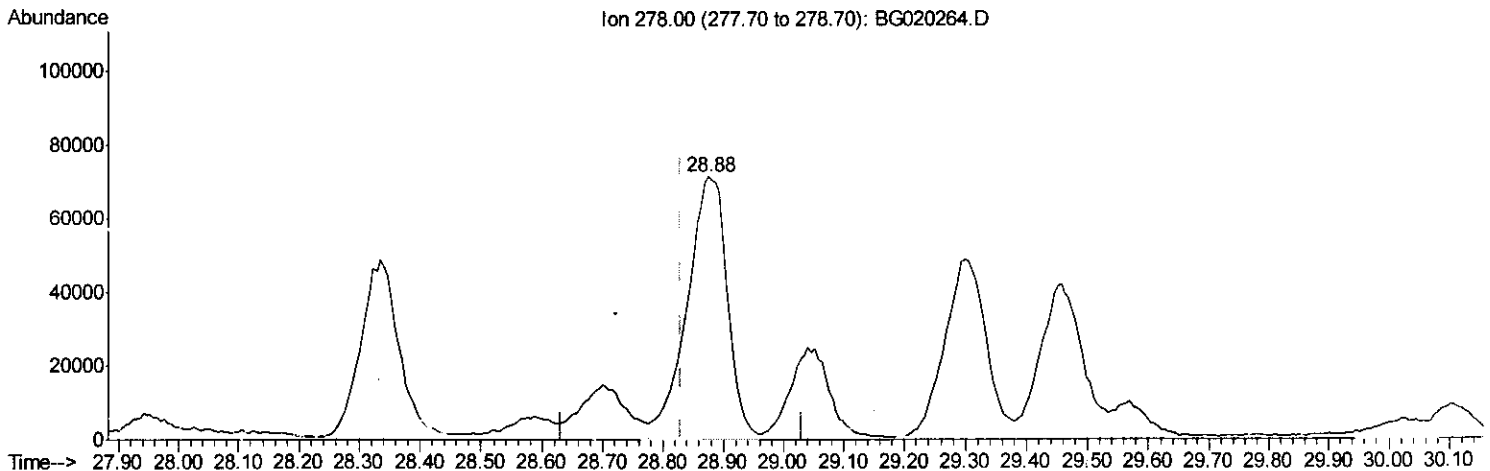
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:31:49 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



(93) Dibenzo(a,h)anthracene

28.875min (+0.044) 31.48ng/ul m UM
 response 330774 12/21/15

Ion	Exp%	Act%
278.00	100	100
139.00	11.80	9.39#
279.00	24.20	30.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

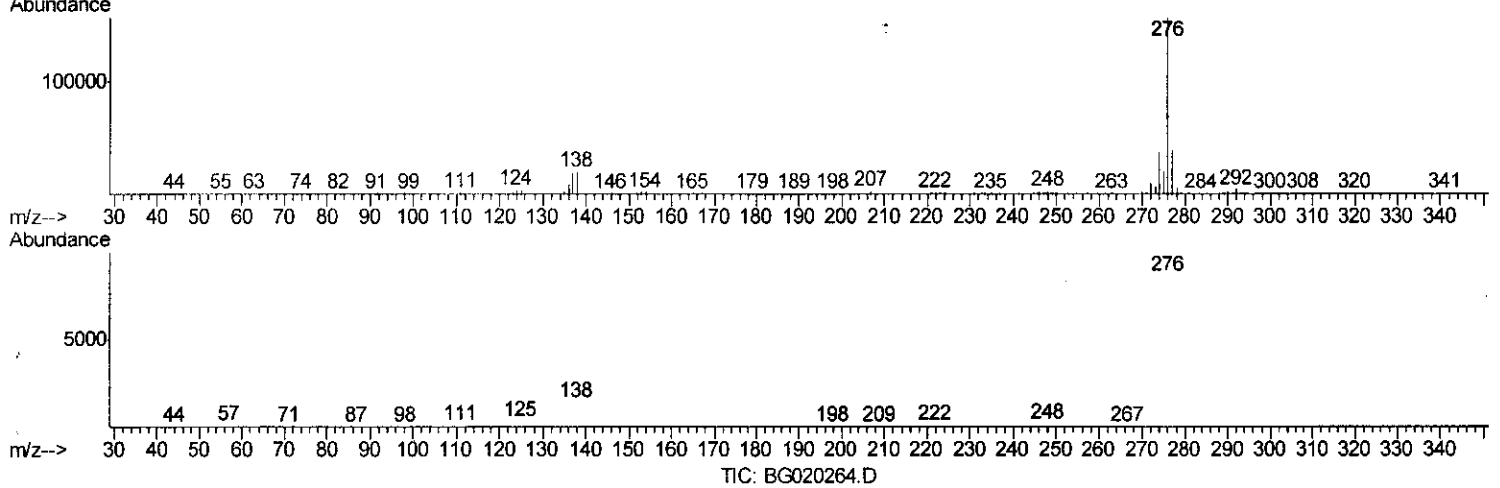
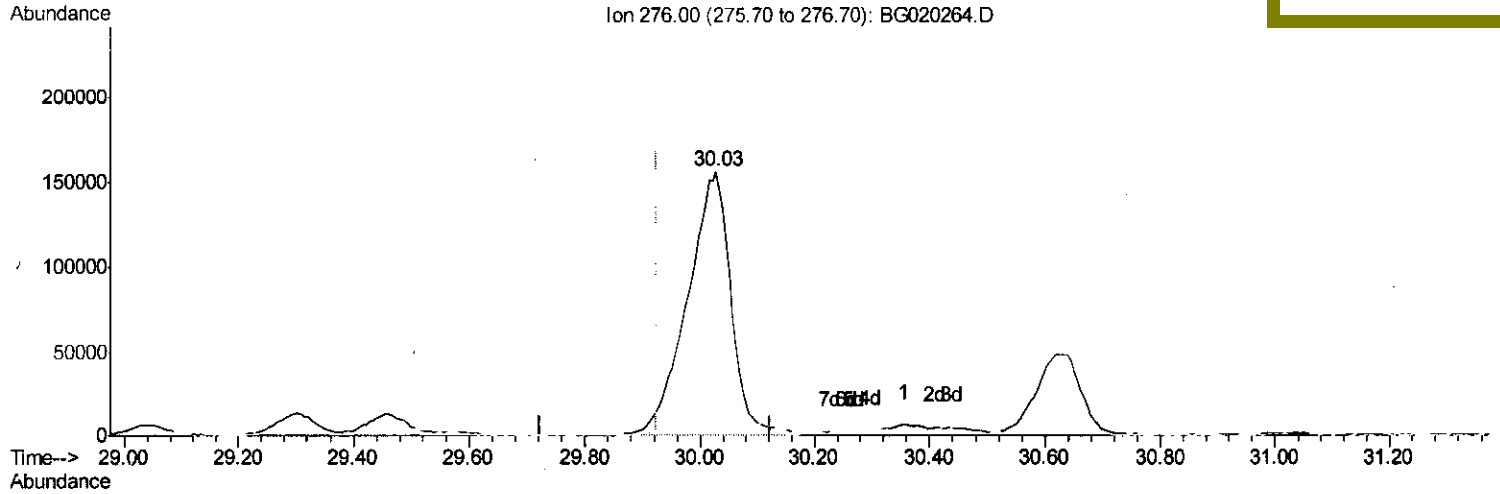
Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sampled :
 D9N44RE

Quant Time: Dec 18 15:27:27 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

MMdadoda
 12/18/2015 6:20:26 PM



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

30.027min (+0.103) 79.99ng/ul m

response 830158

U.M
 12/21/15

Ion	Exp%	Act%
276.00	100	100
138.00	13.50	12.73
277.00	24.90	24.52
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : C4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:36:47 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)
1) 1,4-Dichlorobenzene-d4	8.09	152	25216	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	103097m	20.00	ng/ul	0.10
36) Acenaphthene-d10	14.80	164	126822m	20.00	ng/ul	0.07
62) Phenanthrene-d10	17.56	188	113238m	20.00	ng/ul	0.09
78) Chrysene-d12	21.83	240	201007m	20.00	ng/ul	0.09
86) Perylene-d12	25.09	264	186327m	20.00	ng/ul	0.07

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	926	2.03	ng/uL	0.00
5) Phenol-d5	7.25	99	33313	14.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	22470	16.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	27026	16.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	28378	14.92	ng/ul	0.00
19) Nitrobenzene-d5	9.28	128	17490m	21.76	ng/ul	0.01
22) 2-Nitrophenol-d4	10.01	143	16594	18.56	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.56	165	29940	16.53	ng/ul	0.03
29) 4-Chloroaniline-d4	11.14	131	64722	31.81	ng/ul	0.09
44) Dimethylphthalate-d6	14.19	166	82566	8.05	ng/ul	0.06
47) Acenaphthylene-d8	14.45	160	104147	8.73	ng/ul	0.02
52) 4-Nitrophenol-d4	14.99	143	20858	11.34	ng/ul	0.07
58) Fluorene-d10	15.75	176	90767m	9.76	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	16.06	200	5075	7.56	ng/ul	0.23
71) Anthracene-d10	17.75	188	86105	16.50	ng/ul	0.18
79) Pyrene-d10	19.91	212	141672m	15.12	ng/ul	0.06
90) Benzo(a)pyrene-d12	25.09	264	186327m	20.05	ng/ul	0.30

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Phenol	7.27	94	8752	3.68	ng/ul	99
11) 2-Methylphenol	8.53	108	25434	14.00	ng/ul	97
14) Acetophenone	8.93	105	14410m	4.84	ng/ul	
16) 4-Methylphenol	8.86	108	37588	18.70	ng/ul	99
24) 2,4-Dimethylphenol	10.09	107	124456	57.16	ng/ul	97
28) Naphthalene	11.13	128	16975308	3152.97	ng/ul#	28
34) 2-Methylnaphthalene	12.66	142	8751387	2128.03	ng/ul	95
35) 1-Methylnaphthalene	12.87	142	5216408	1319.39	ng/ul#	91
41) 1,1'-Biphenyl	13.61	154	4347643m	454.40	ng/ul	
45) Dimethylphthalate	14.24	163	48837m	4.66	ng/ul	
48) Accnaphthylene	14.49	152	2091209	164.93	ng/ul#	84
50) Acenaphthene	14.93	153	13158772m	1542.42	ng/ul	
54) Dibenzofuran	15.24	168	9984836m	786.76	ng/ul	
59) Fluorene	15.90	166	10504694m	1030.75	ng/ul	
70) Phenanthrene	17.63	178	21415664m	3457.52	ng/ul	
72) Anthracene	17.77	178	3279429m	522.01	ng/ul	
75) Carbazole	17.95	167	3542375m	671.07	ng/ul	
77) Fluoranthene	19.65	202	15188285m	2098.14	ng/ul	
80) Pyrene	20.02	202	12214950m	1004.05	ng/ul	
83) Benzo(a)anthracene	21.81	228	6549378m	558.41	ng/ul	
85) Chrysene	21.90	228	5394928m	488.40	ng/ul	
88) Benzo(b)fluoranthene	24.08	252	4950350m	441.42	ng/ul	
89) Benzo(k)fluoranthene	24.13	252	1581801m	146.98	ng/ul	

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Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121815\
 Data File : BG020264.D
 Acq On : 18 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4767-22RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA G
 Client Sample Id :
 D9N44RE

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:26 PM

Quant Time: Dec 18 15:36:47 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)
91) Benzo(a)pyrene	24.97	252	2986558m>	280.94	ng/ul	
92) Indeno(1,2,3-cd)pyrene	28.85	276	1080671m>	85.36	ng/ul	
93) Dibenzo(a,h)anthracene	28.88	278	330774m>	31.48	ng/ul	
94) Benzo(g,h,i)perylene	30.03	276	830158m>	79.99	ng/ul	

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