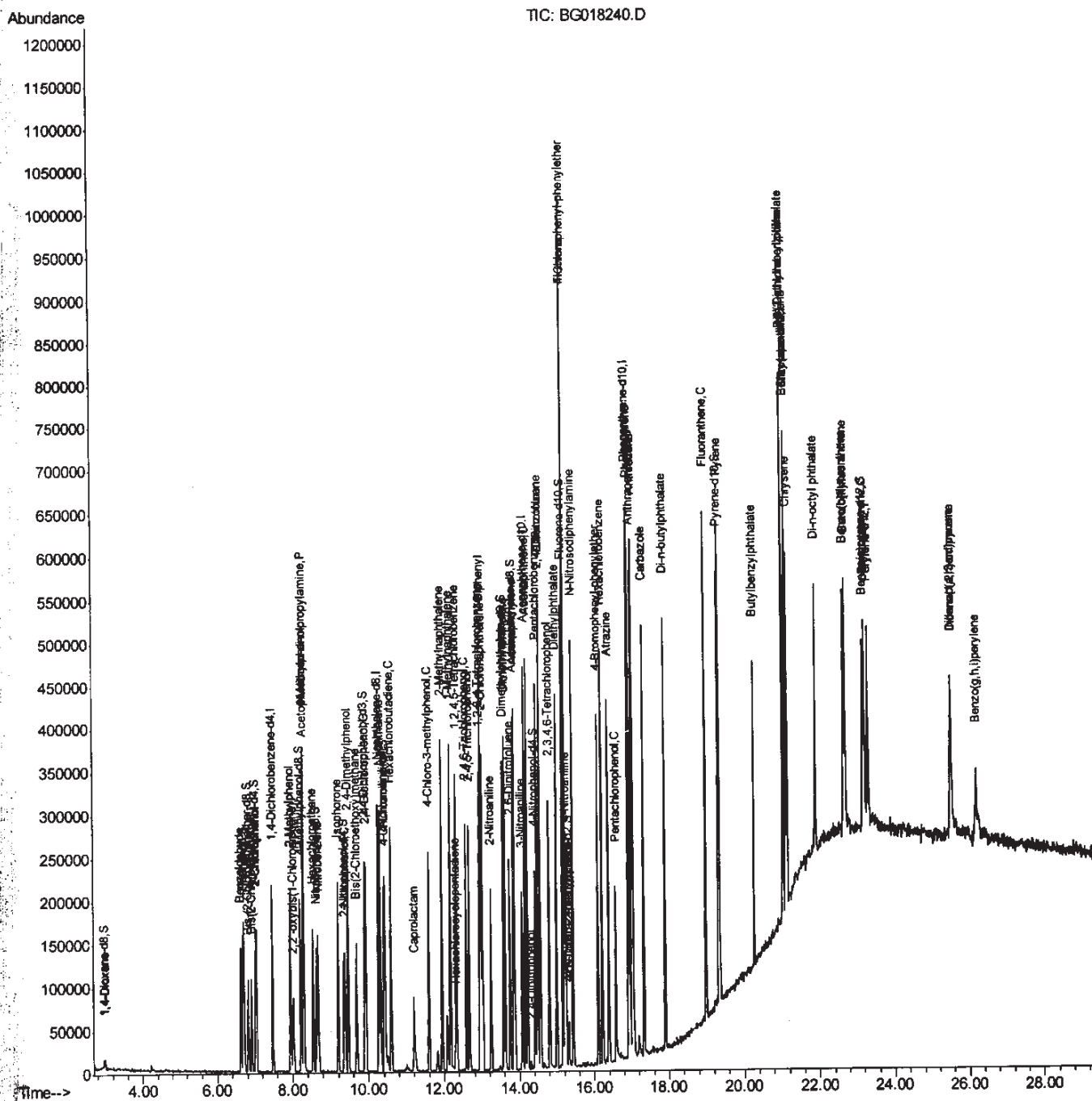


(QT Reviewed)

**Instrument :**  
BNA\_G  
**LabSampleId :**  
SSTD02056

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 07:22:02 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



# Quantitation Report (Qedit)

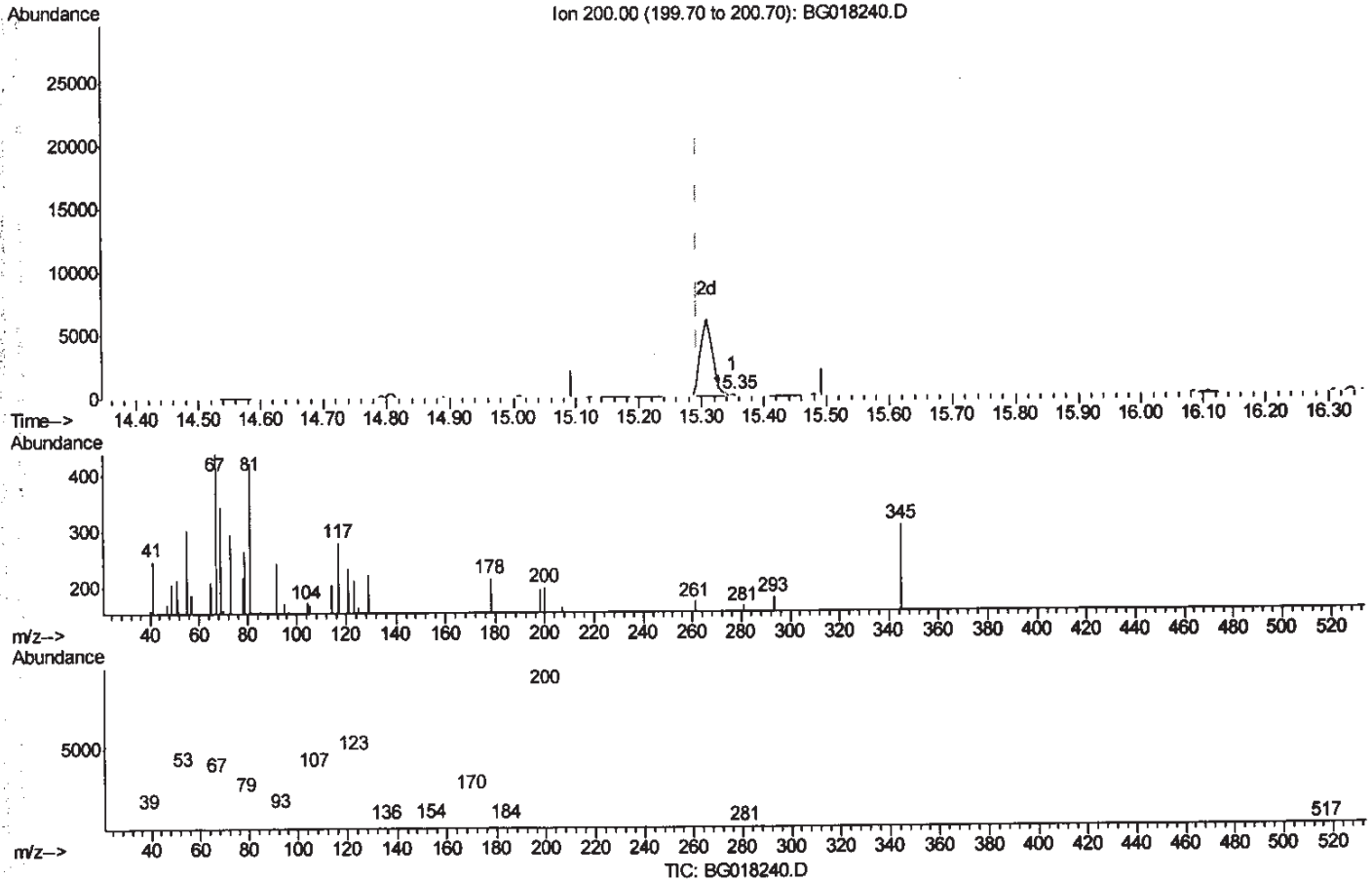
Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 04 09:12:46 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.350min (+0.056) 0.03ng/ul

response 70

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 200.00 | 100   | 100   |
| 170.00 | 13.30 | 0.00# |
| 52.00  | 21.10 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

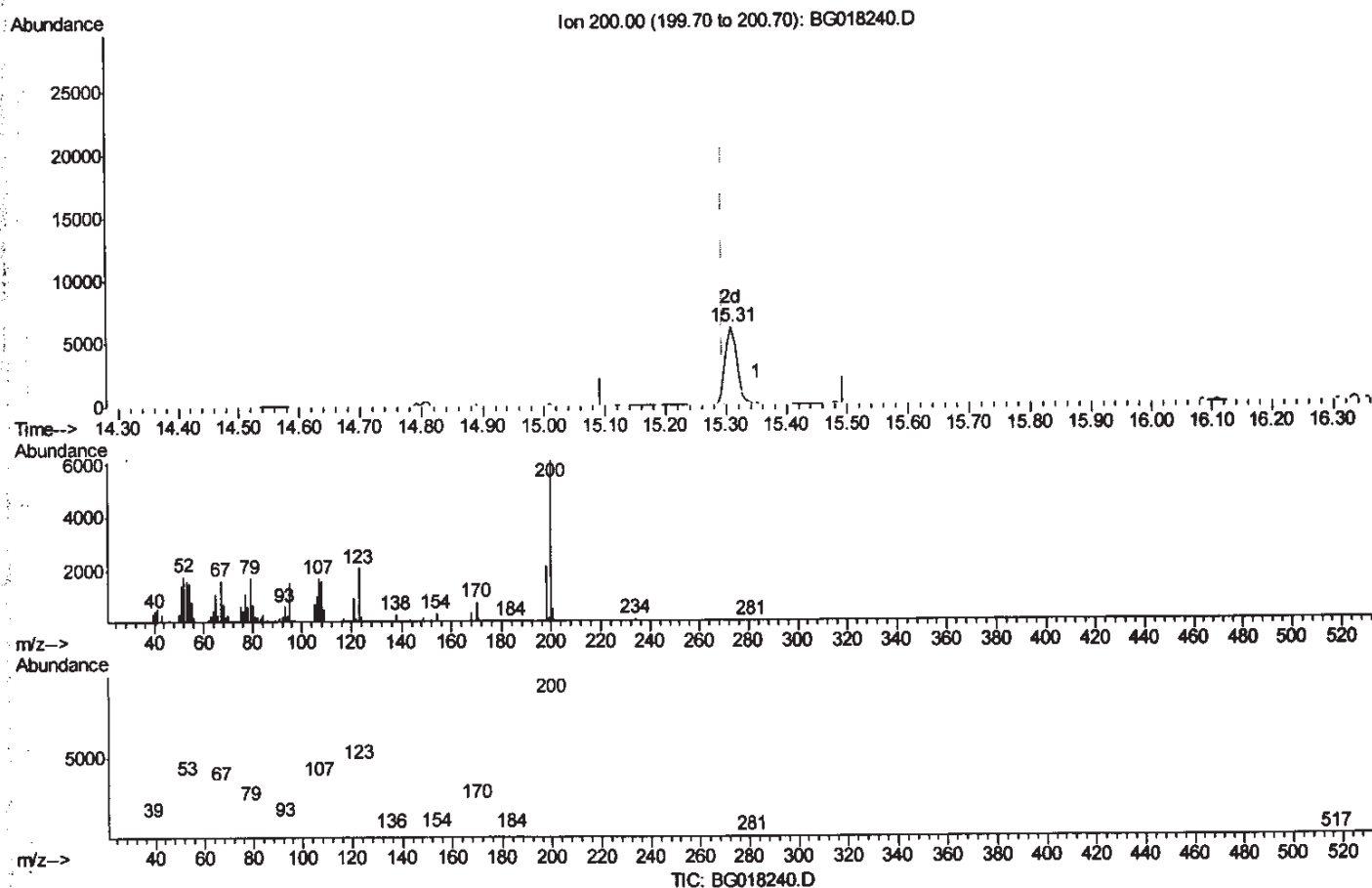
Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 07:22:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.309min (+0.015) 3.33ng/ul m

response 8270

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 13.30 | 13.97  |
| 52.00  | 21.10 | 29.93# |
| 0.00   | 0.00  | 0.00   |

U.M  
 08/11/15

# Quantitation Report (Qedit)

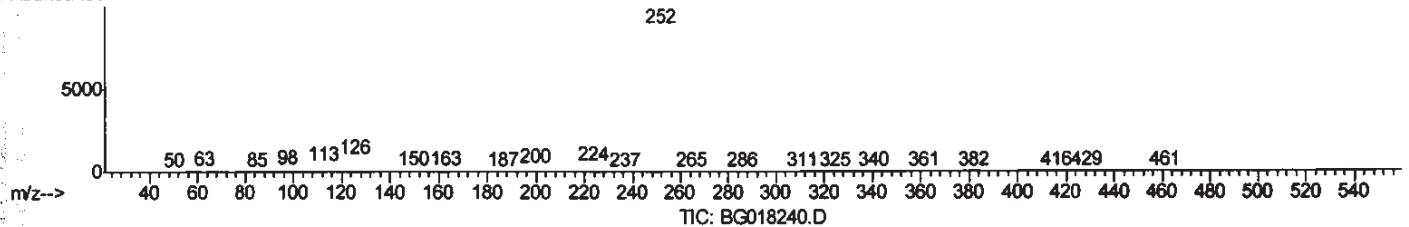
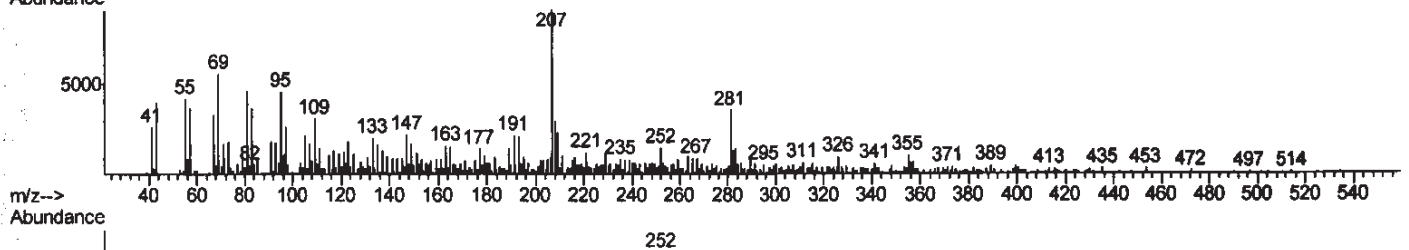
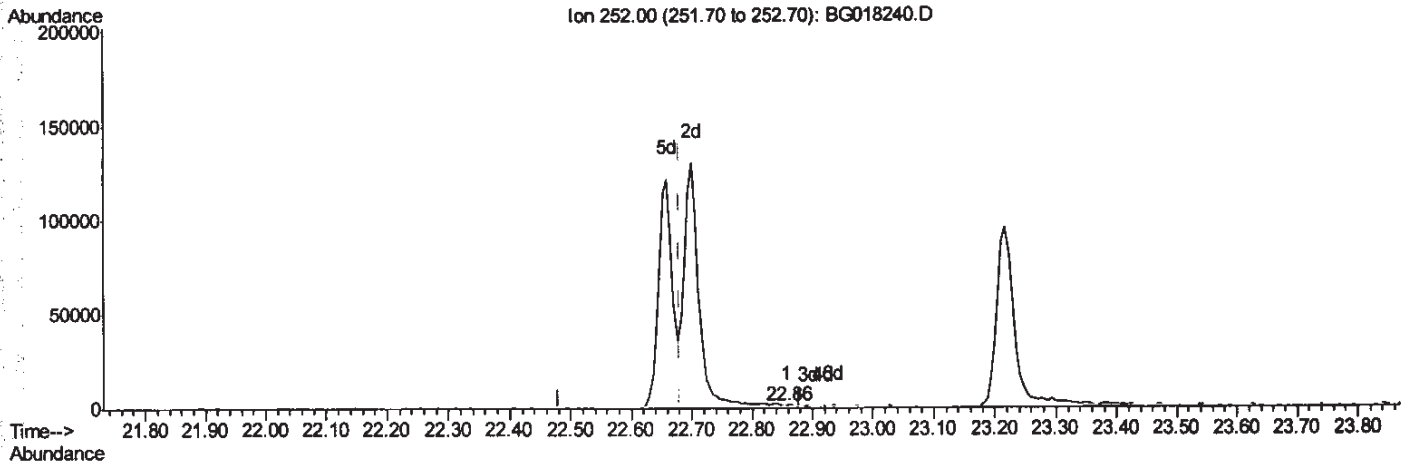
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(89) Benzo(k)fluoranthene  
 22.859min (+0.179) 0.05ng/ul  
 response 561

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.70 | 48.82# |
| 125.00 | 9.40  | 77.35# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

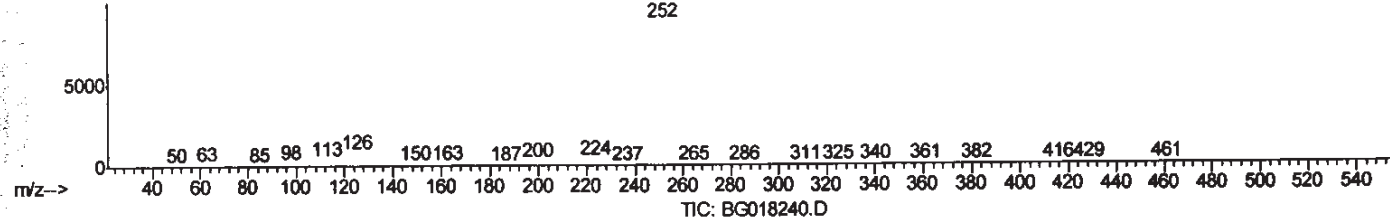
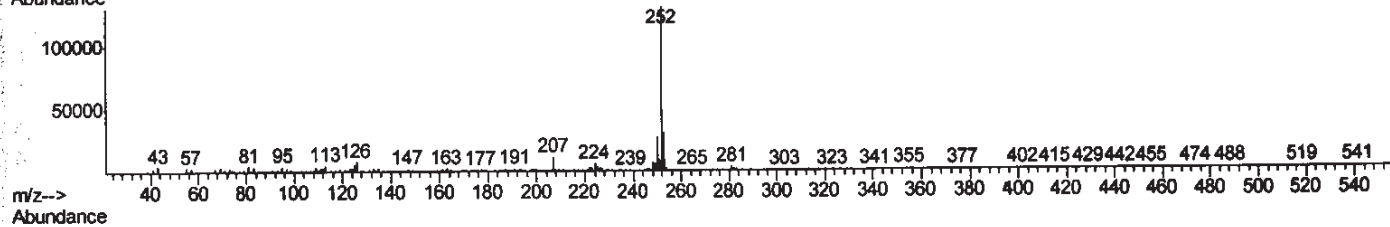
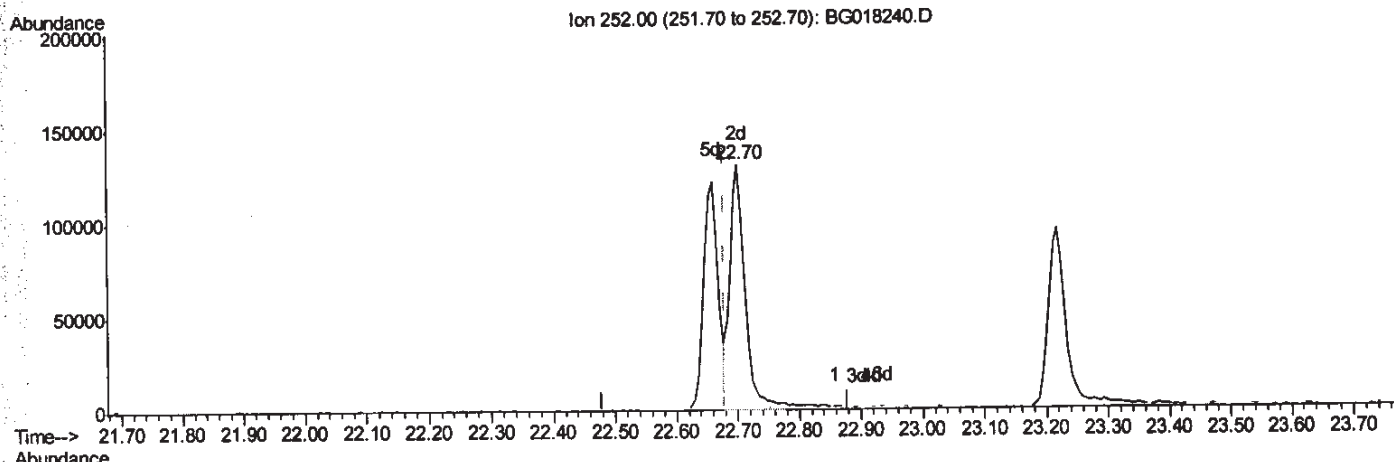
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(89) Benzo(k)fluoranthene

22.700min (+0.021) 20.39ng/ul m

response 222847

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.70 | 23.08 |
| 125.00 | 9.40  | 4.23# |
| 0.00   | 0.00  | 0.00  |

>  $\frac{U.M}{08/11/15}$

## Quantitation Report (Qedit)

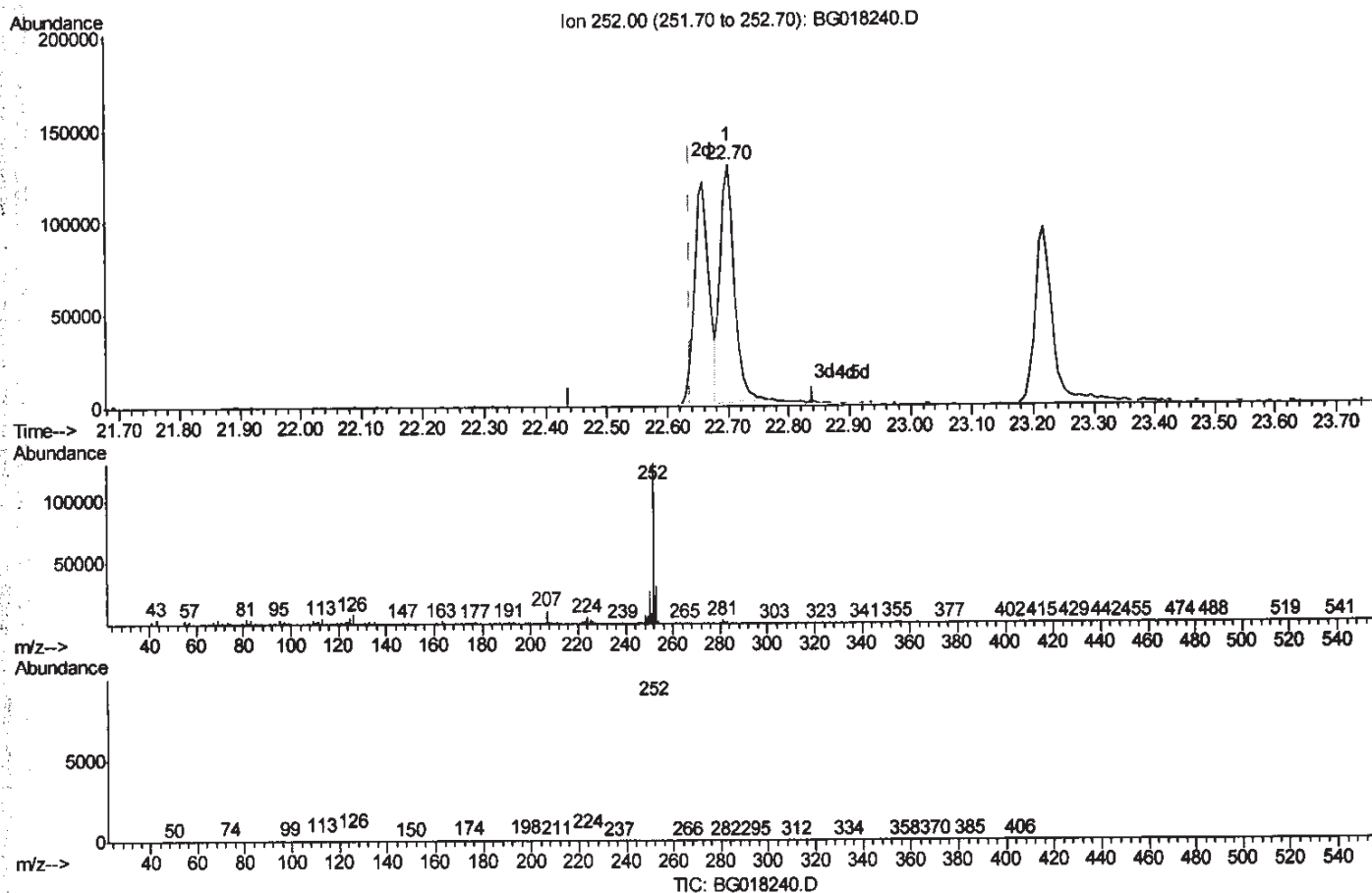
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



(88) Benzo(b)fluoranthene

22.700min (+0.062) 17.35ng/ul

response 206343

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 23.10 | 23.08 |
| 125.00 | 9.20  | 4.23# |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

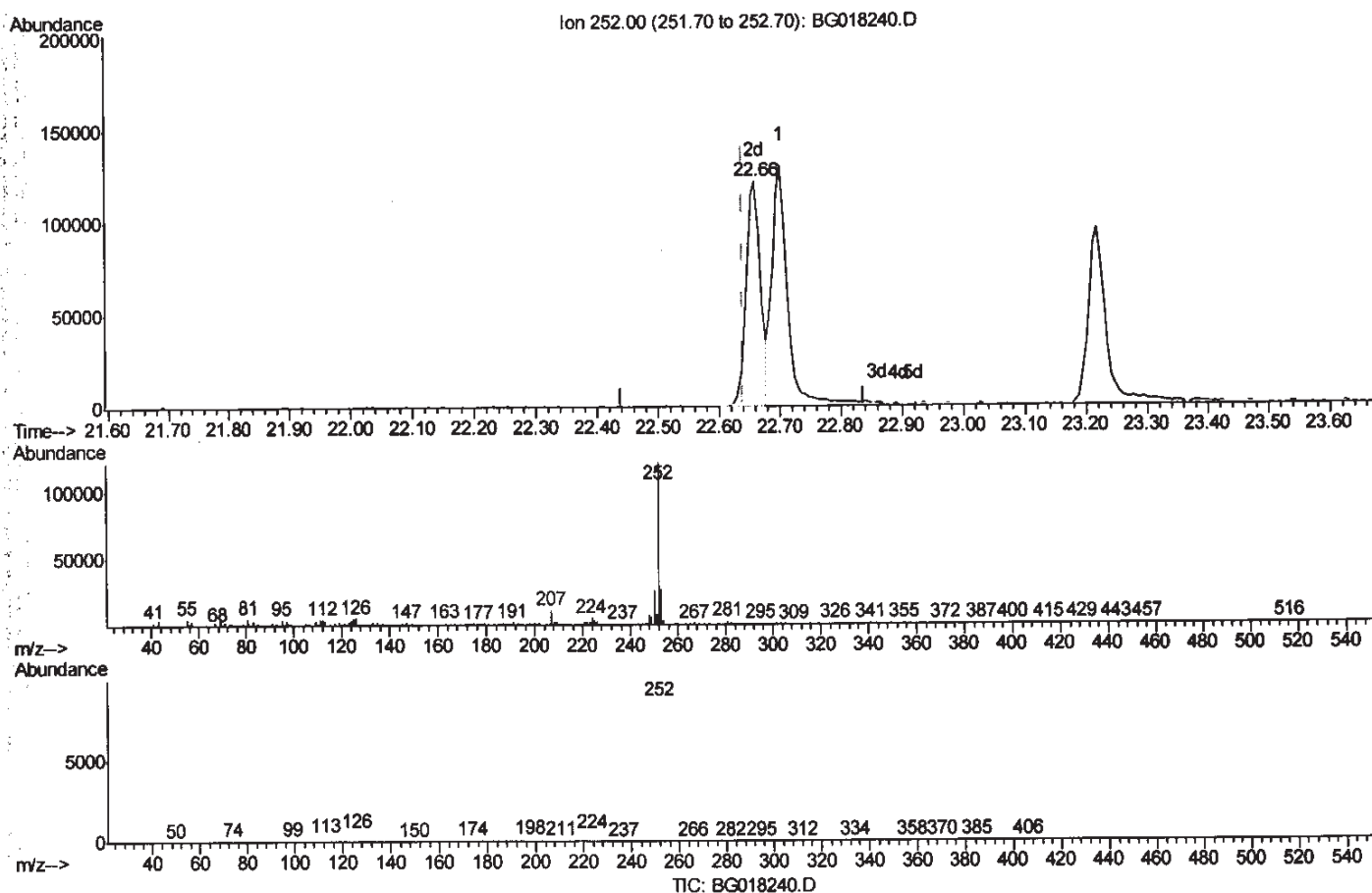
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



(88) Benzo(b)fluoranthene

22.659min (+0.021) 16.98ng/ul m

response 201908

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 23.10 | 21.95 |
| 125.00 | 9.20  | 3.97# |
| 0.00   | 0.00  | 0.00  |

>  $\frac{0.14}{0.81115}$

## Quantitation Report (Qedit)

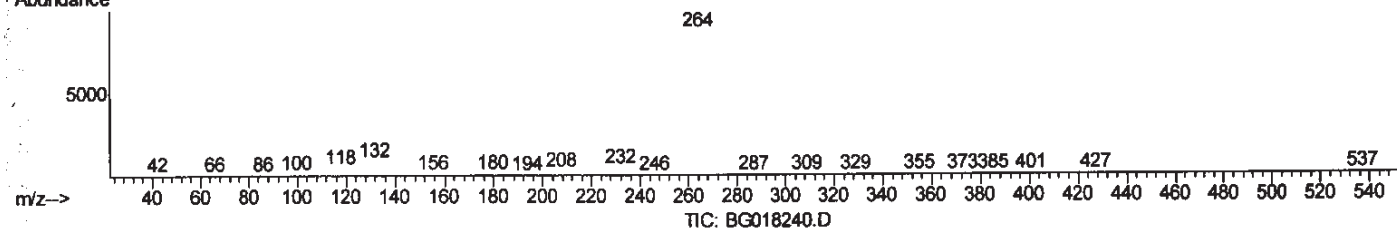
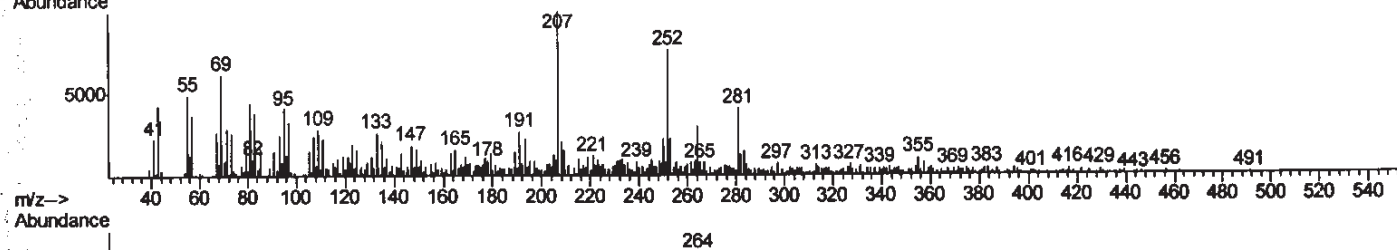
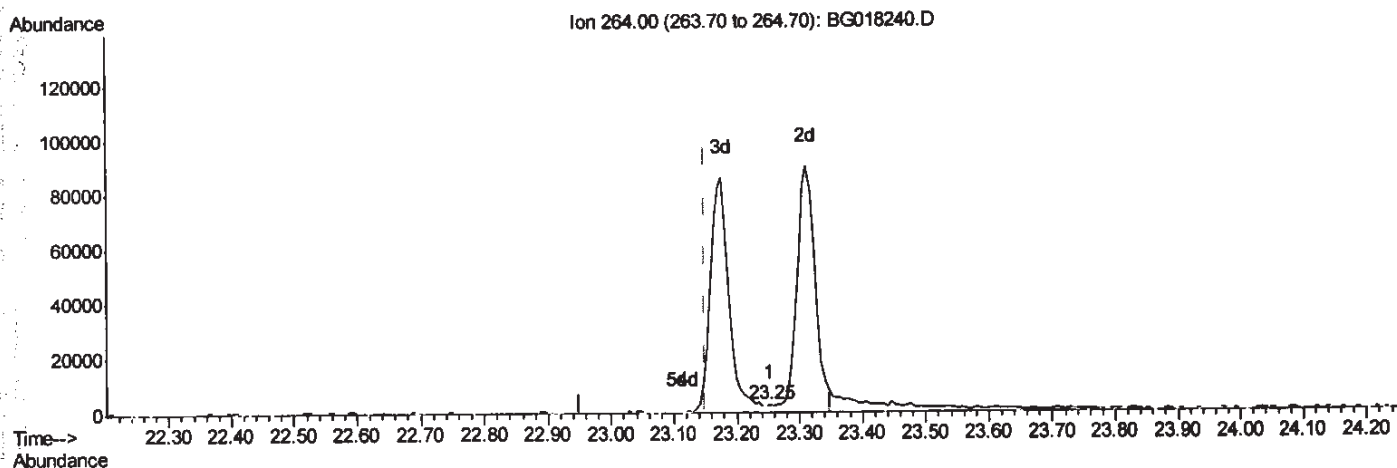
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



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

23.252min (+0.103) 0.04ng/ul

response 446

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 132.00 | 15.20 | 20.32# |
| 118.00 | 7.60  | 11.50# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

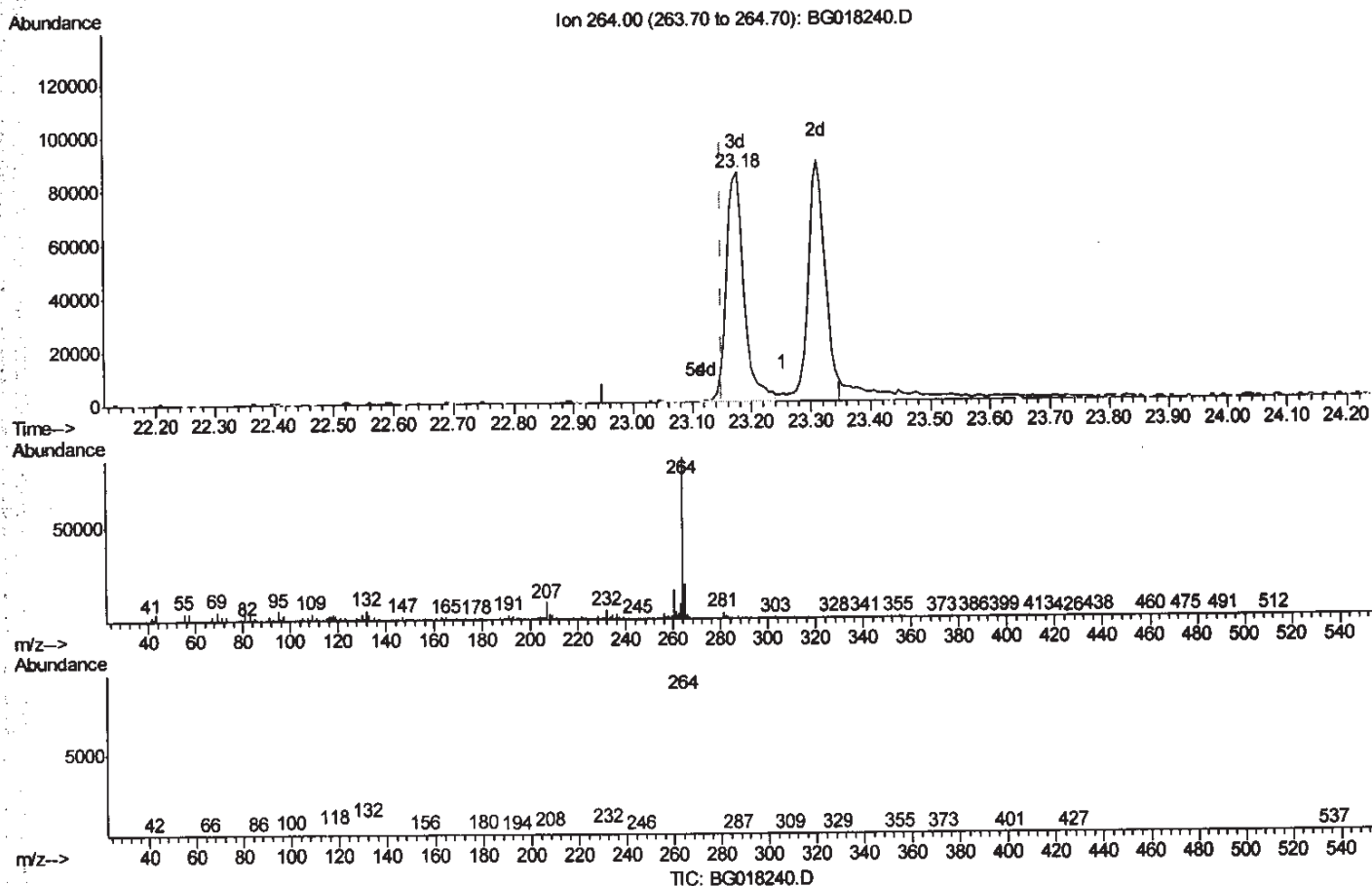
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



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

23.176min (+0.027) 17.70ng/ul m

response 177151

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 100   |
| 132.00 | 15.20 | 6.43# |
| 118.00 | 7.60  | 3.32# |
| 0.00   | 0.00  | 0.00  |

>  $\frac{0.11}{0.81115}$

## Quantitation Report (Qedit)

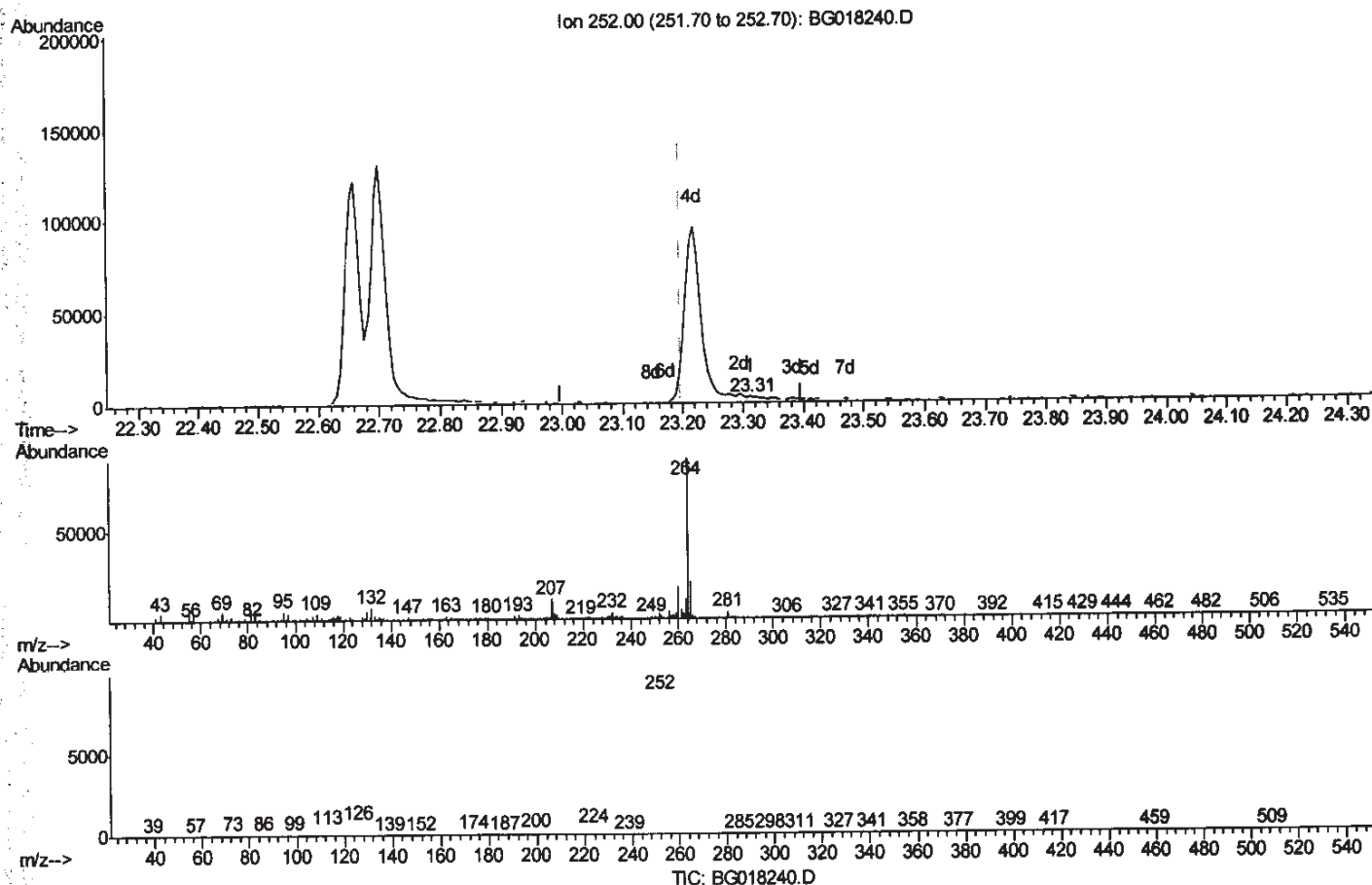
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



(91) Benzo(a)pyrene (C)

23.311min (+0.115) 0.32ng/ul

response 3432

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.80 | 48.47# |
| 125.00 | 9.10  | 28.37# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

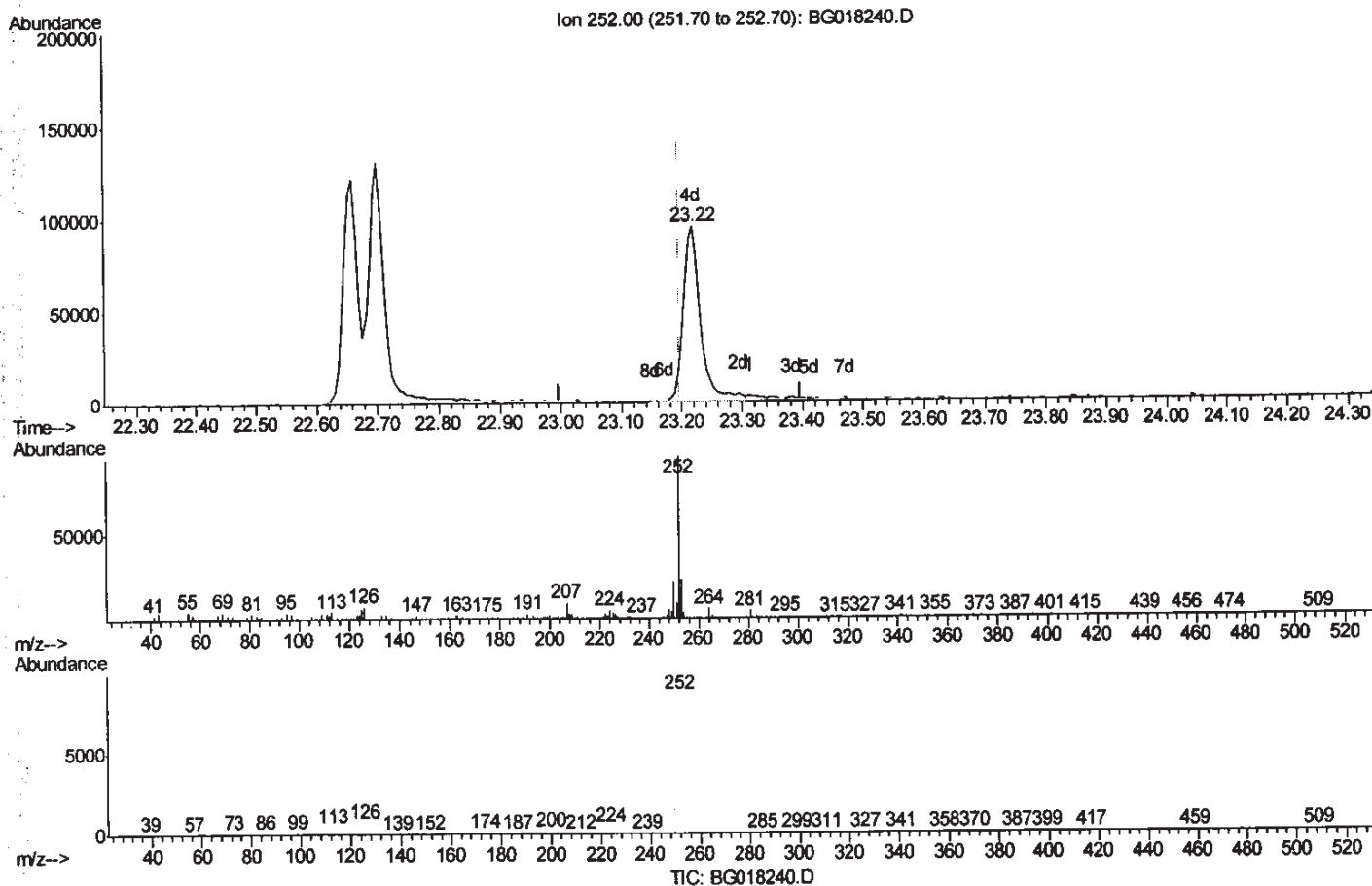
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



(91) Benzo(a)pyrene (C)

23.217min (+0.021) 18.05ng/ul m

response 191975

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.80 | 23.98 |
| 125.00 | 9.10  | 6.44# |
| 0.00   | 0.00  | 0.00  |

>  $\frac{U.M}{08/11/15}$

## Quantitation Report (Qedit)

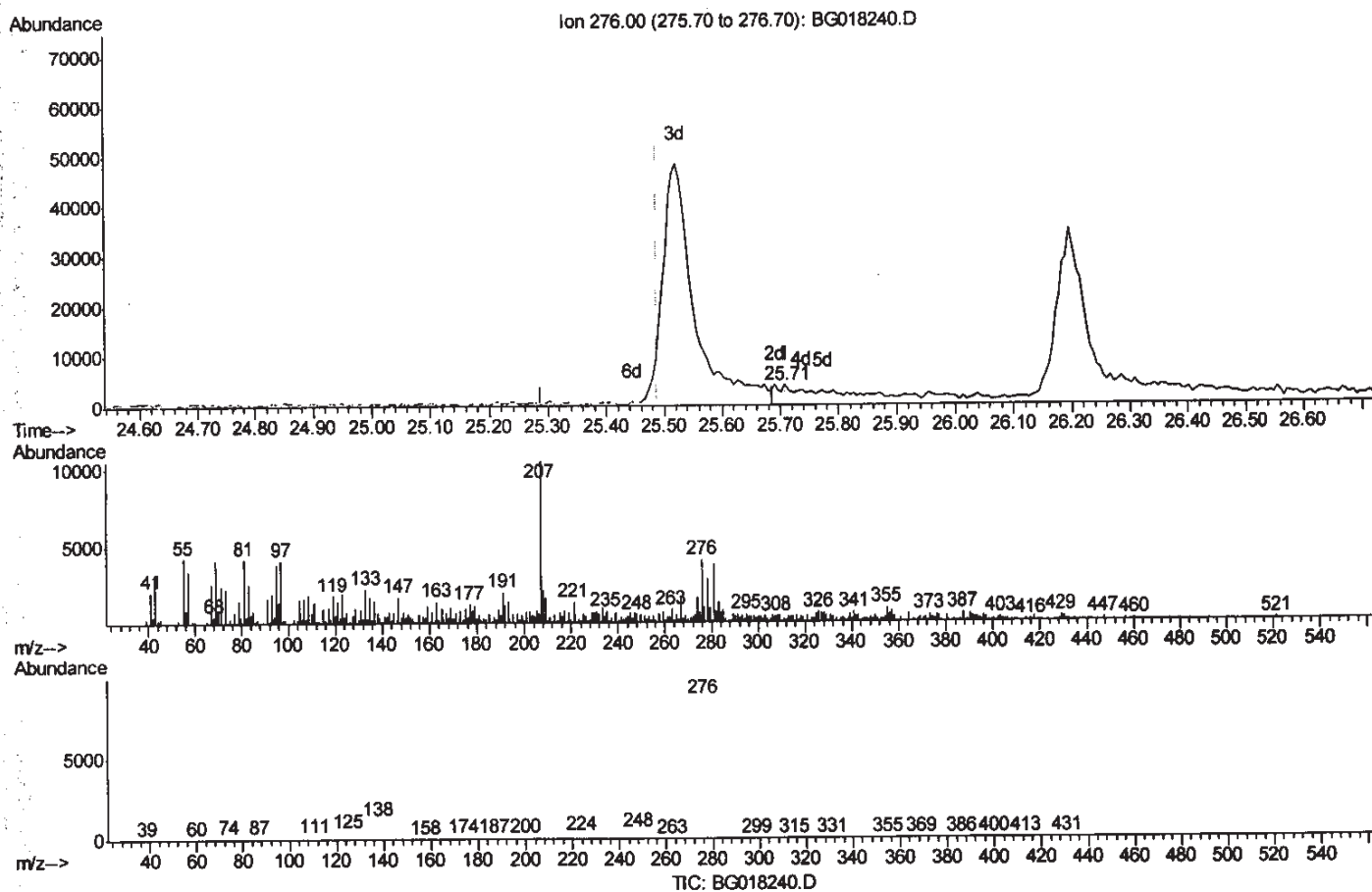
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



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

25.708min (+0.220) 0.07ng/ul

response 828

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 21.50 | 19.96 |
| 277.00 | 24.40 | 26.90 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

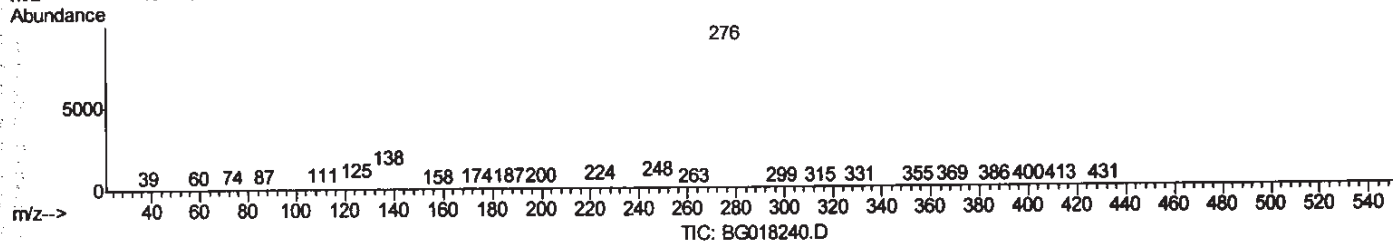
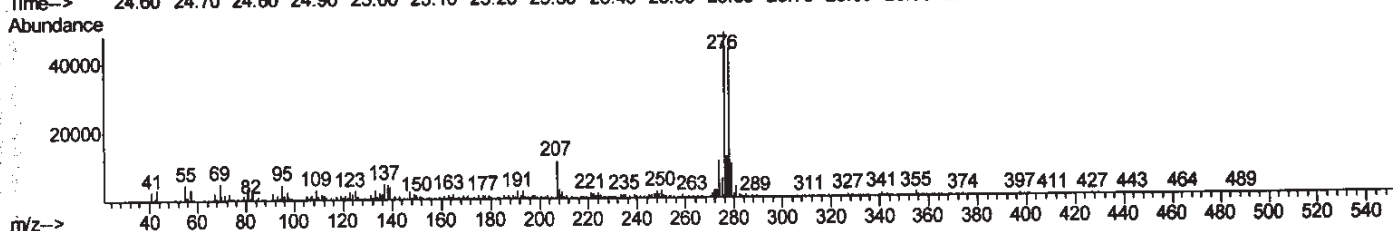
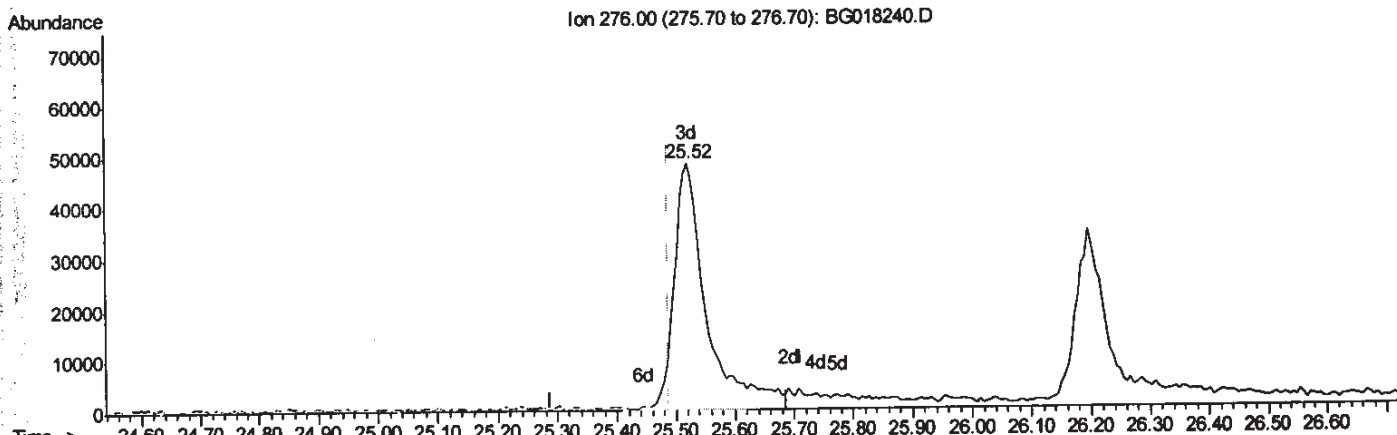
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



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

25.520min (+0.032) 14.08ng/ul m

response 173231

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 21.50 | 8.92# |
| 277.00 | 24.40 | 25.43 |
| 0.00   | 0.00  | 0.00  |

> U.M  
 08/11/15

# Quantitation Report (Qedit)

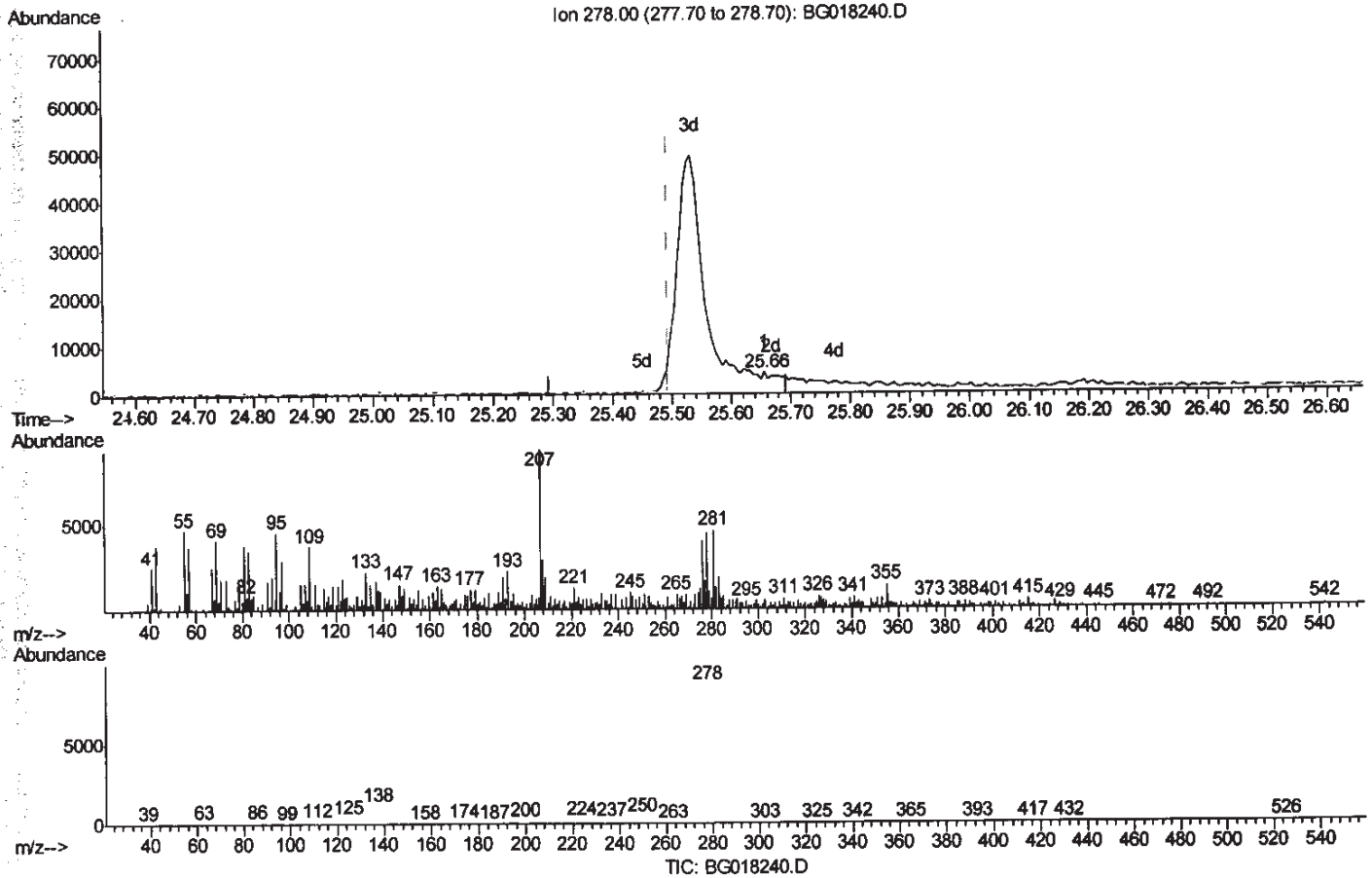
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(93) Dibenzo(a,h)anthracene

25.655min (+0.162) 0.05ng/ul

response 539

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 15.20 | 27.56# |
| 279.00 | 25.00 | 25.53  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

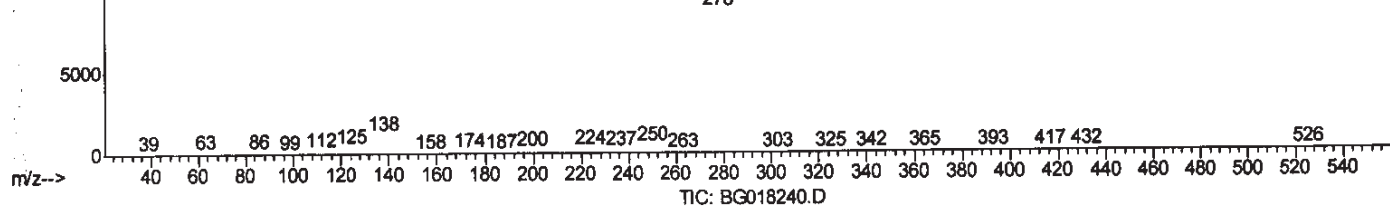
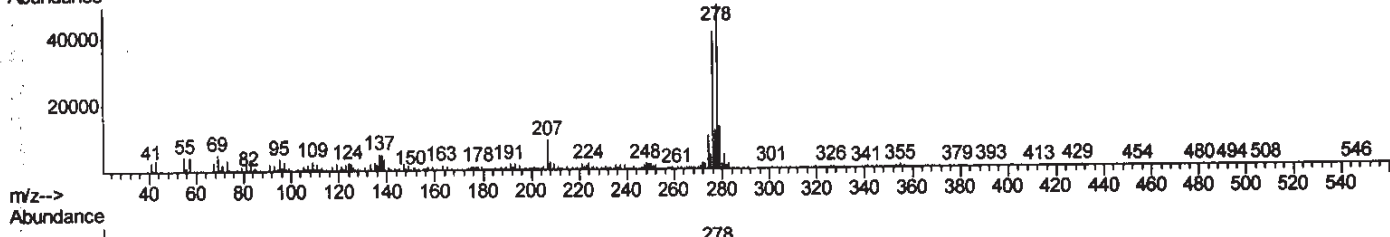
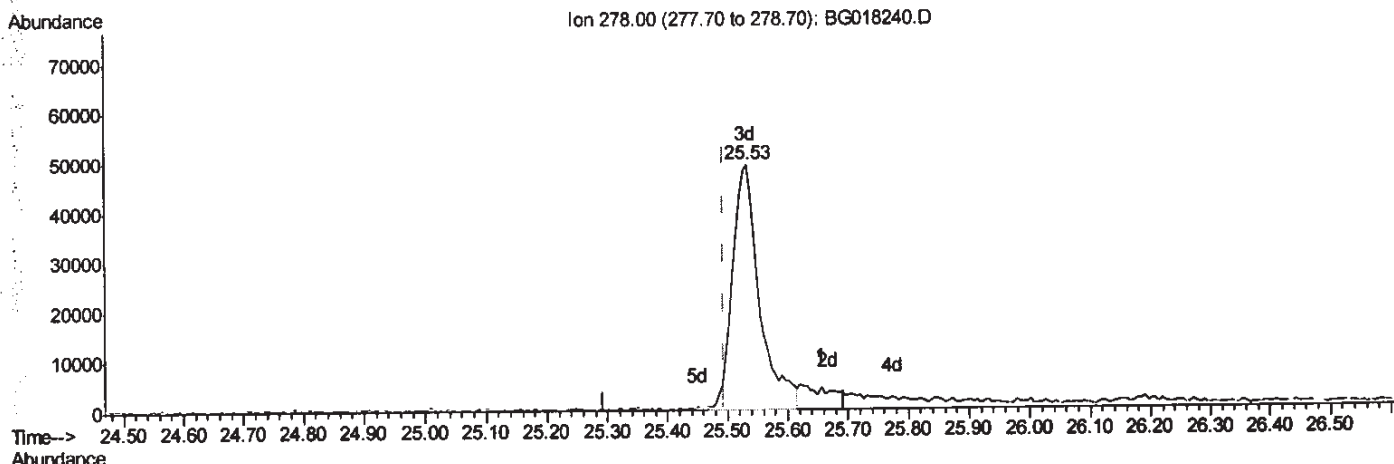
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(93) Dibenzo(a,h)anthracene

25.532min (+0.038) 14.69ng/ul m

response 154823

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 15.20 | 6.88# |
| 279.00 | 25.00 | 26.13 |
| 0.00   | 0.00  | 0.00  |

>  $\frac{U.M}{08/11/15}$

## Quantitation Report (Qedit)

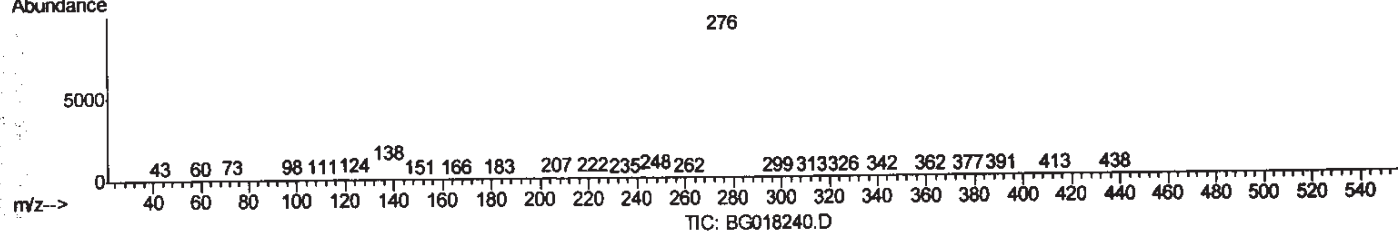
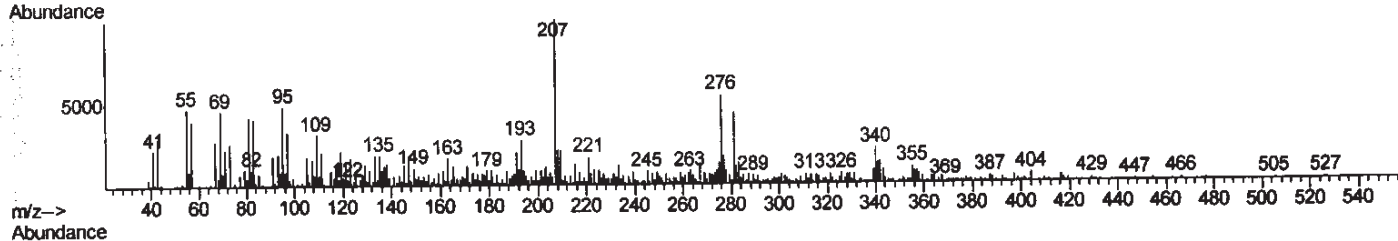
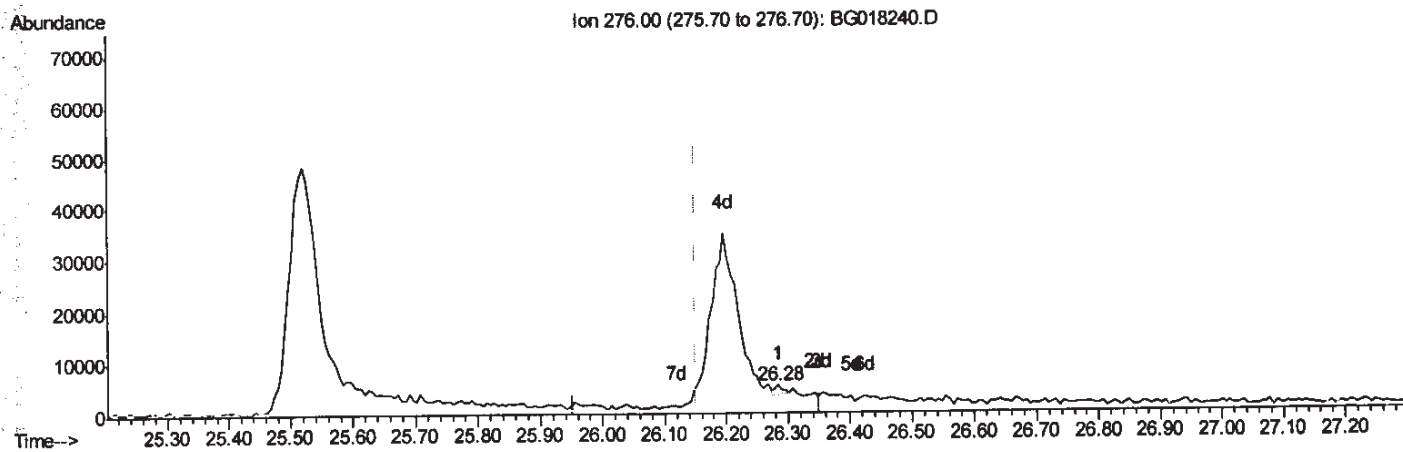
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



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

26.284min (+0.132) 0.16ng/ul

response 1650

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 18.90 | 26.66# |
| 277.00 | 24.70 | 33.61# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

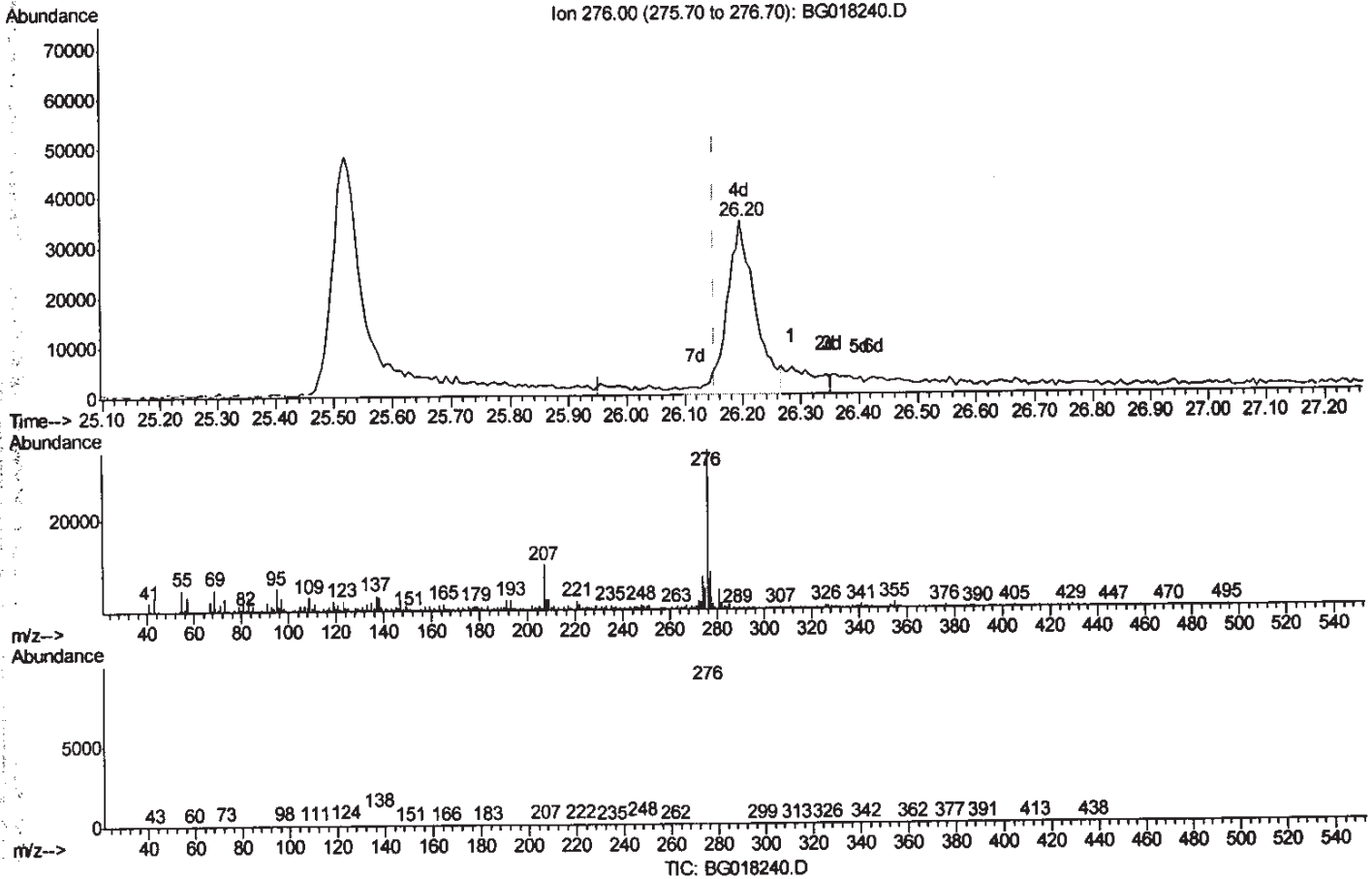
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



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

26.196min (+0.044) 12.10ng/ul m

response 121608

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 18.90 | 9.18# |
| 277.00 | 24.70 | 23.91 |
| 0.00   | 0.00  | 0.00  |

> U.M  
 08/11/15

# Quantitation Report (Qedit)

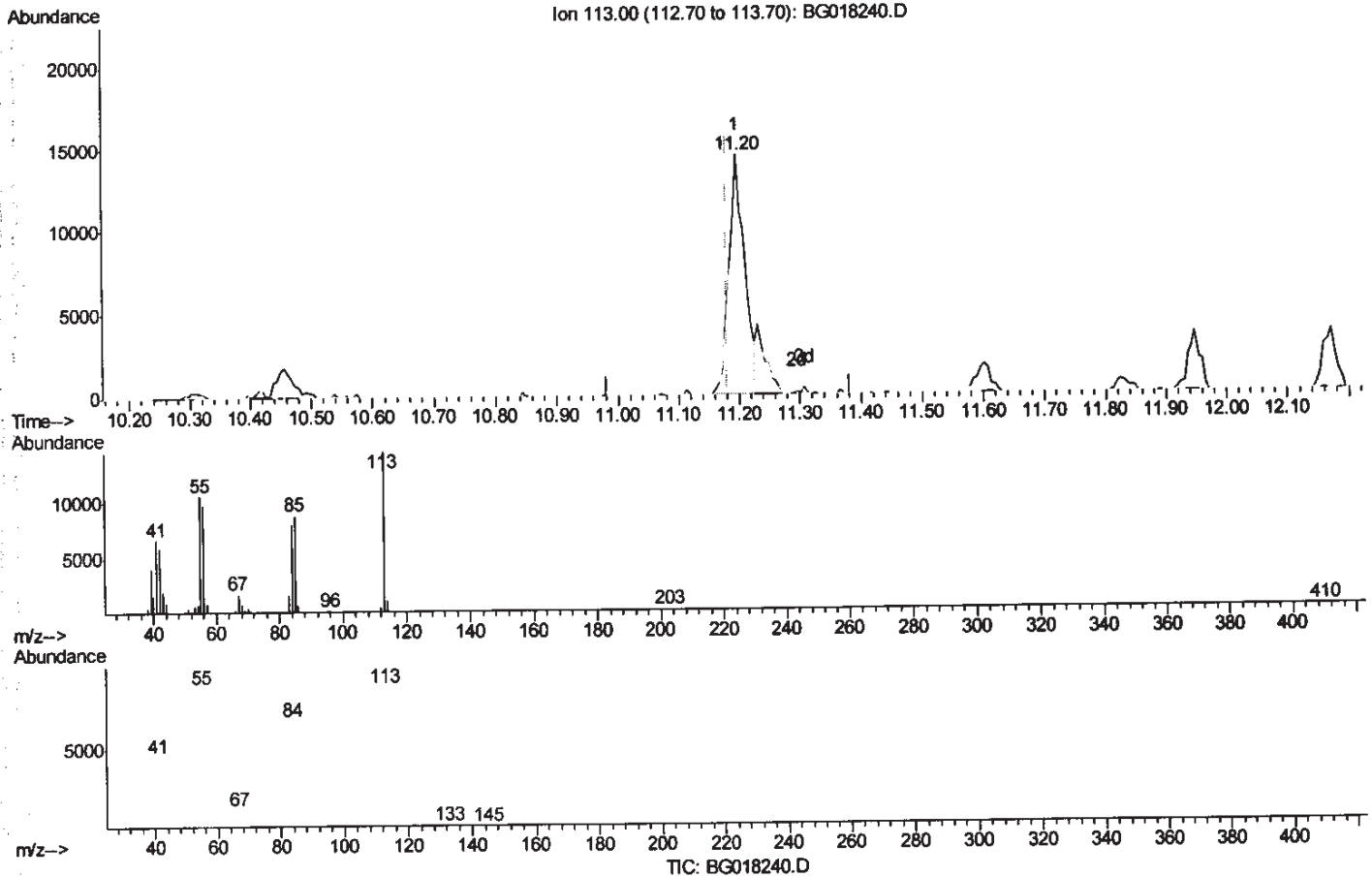
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(32) Caprolactam

11.196min (+0.015) 13.80ng/ul

response 26031

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 113.00 | 100   | 100   |
| 55.00  | 80.70 | 72.92 |
| 56.00  | 66.50 | 67.00 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

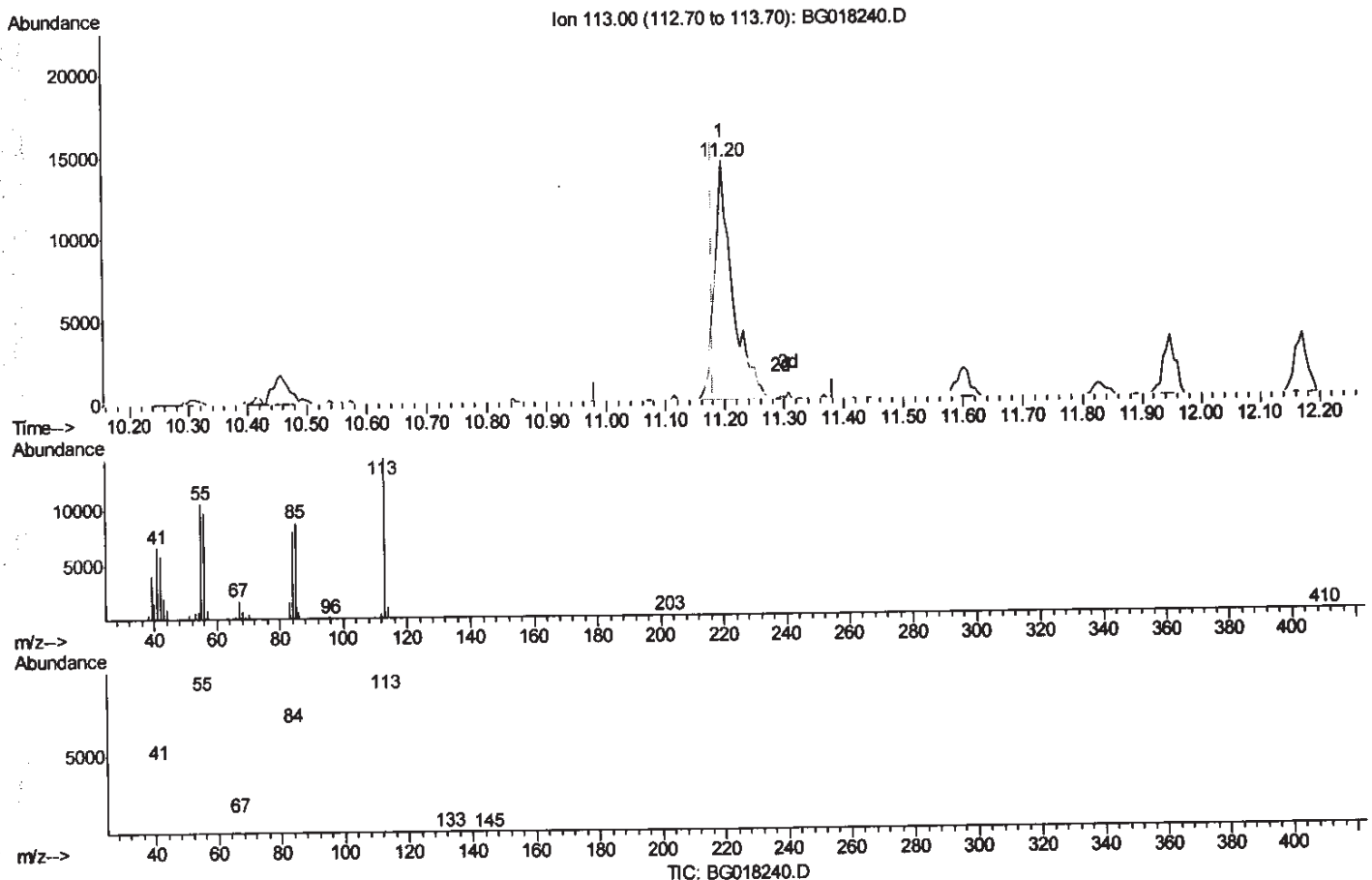
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(32) Caprolactam

11.196min (+0.015) 16.24ng/ul m

response 30630

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 113.00 | 100   | 100   |
| 55.00  | 80.70 | 72.92 |
| 56.00  | 66.50 | 67.00 |
| 0.00   | 0.00  | 0.00  |

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 08/11/15

## Quantitation Report (Qedit)

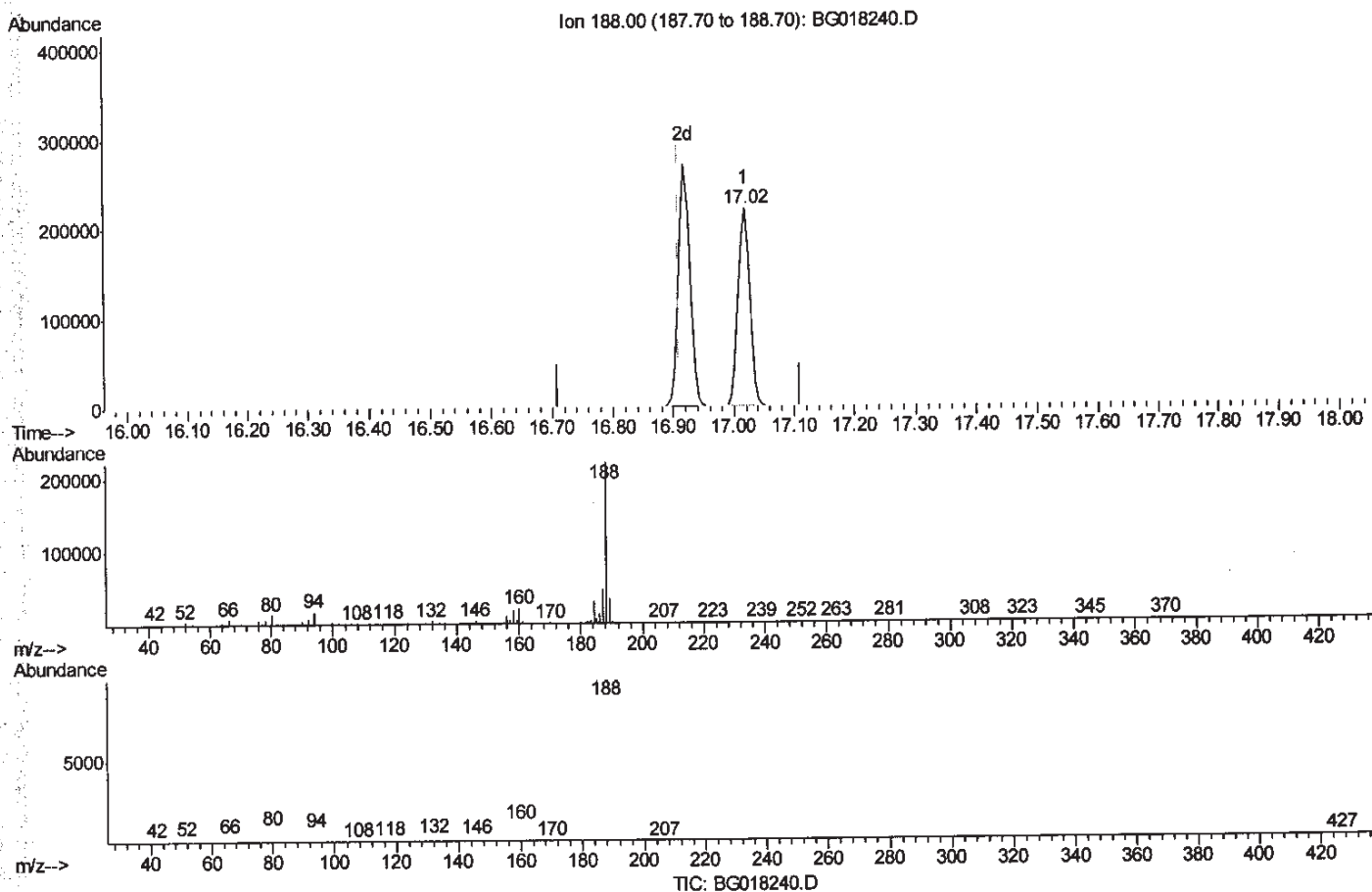
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



(62) Phenanthrene-d10 (I)

17.018min (+0.109) 20.00ng/ul

response 304897

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 7.90 | 7.66 |
| 80.00  | 7.40 | 6.11 |
| 0.00   | 0.00 | 0.00 |

# Quantitation Report (Qedit)

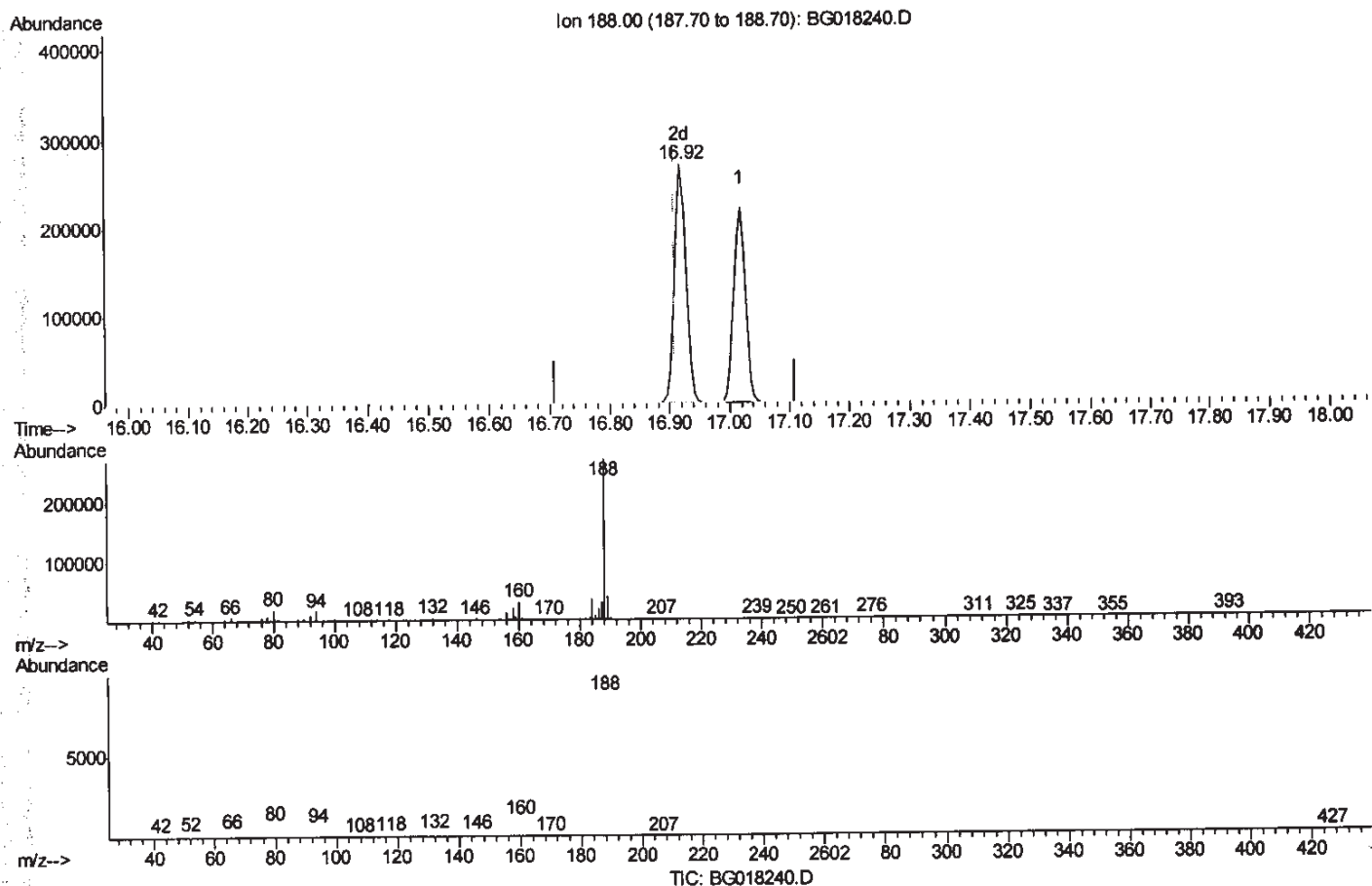
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(62) Phenanthrene-d10 (I)

16.919min (+0.009) 20.00ng/ul m

response 355881

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 7.90 | 6.09# |
| 80.00  | 7.40 | 6.99  |
| 0.00   | 0.00 | 0.00  |

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# Quantitation Report (Qedit)

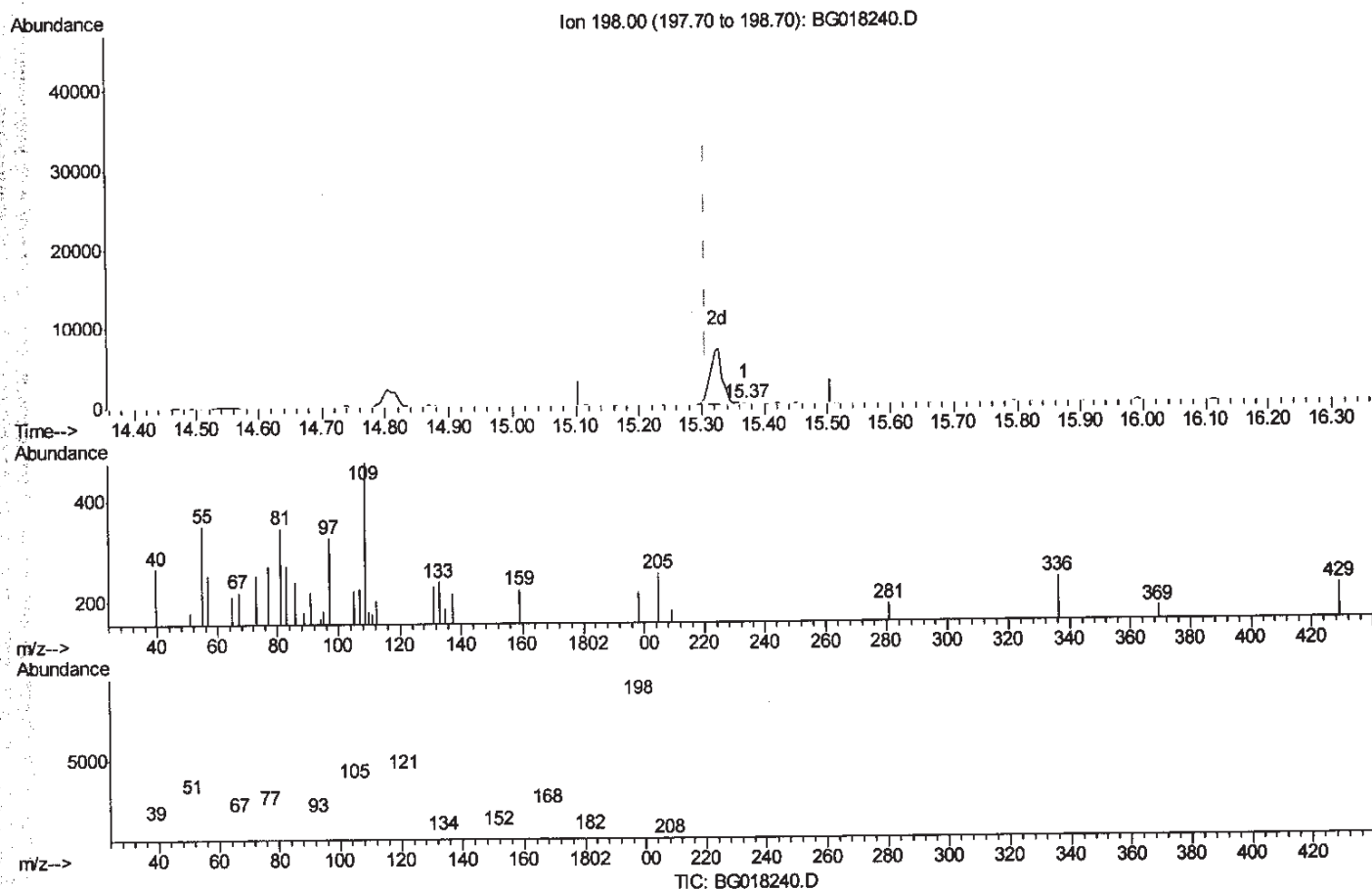
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(64) 4,6-Dinitro-2-methylphenol

15.367min (+0.062) 0.03ng/ul

response 76

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 198.00 | 100   | 100     |
| 182.00 | 3.70  | 0.00#   |
| 77.00  | 18.90 | 126.05# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

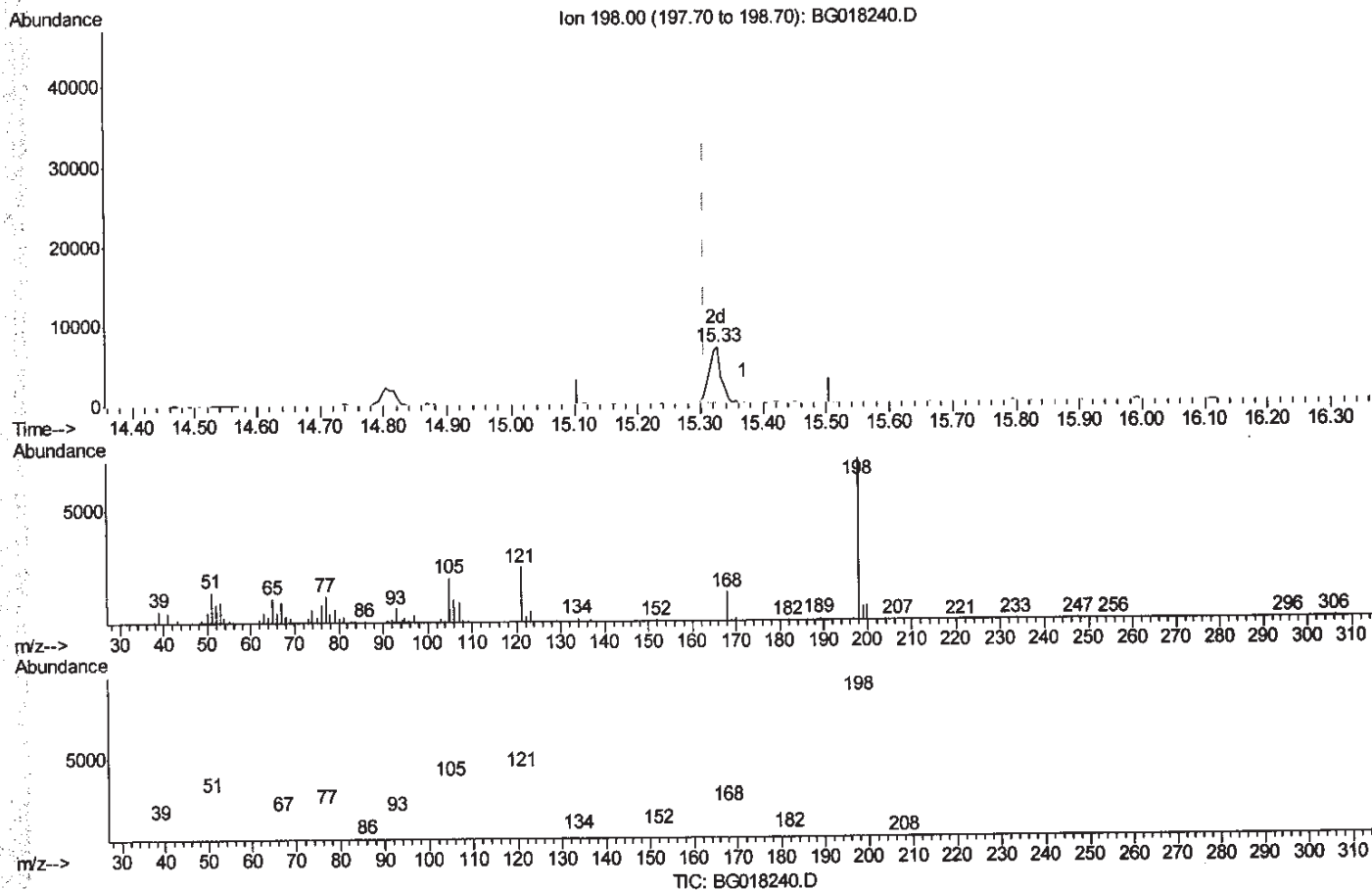
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(64) 4,6-Dinitro-2-methylphenol

15.326min (+0.021) 3.63ng/ul m

response 9543

Ion Exp% Act%

198.00 100 100

182.00 3.70 2.55#

77.00 18.90 18.43

0.00 0.00 0.00

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 08/11/15

## Quantitation Report (Qedit)

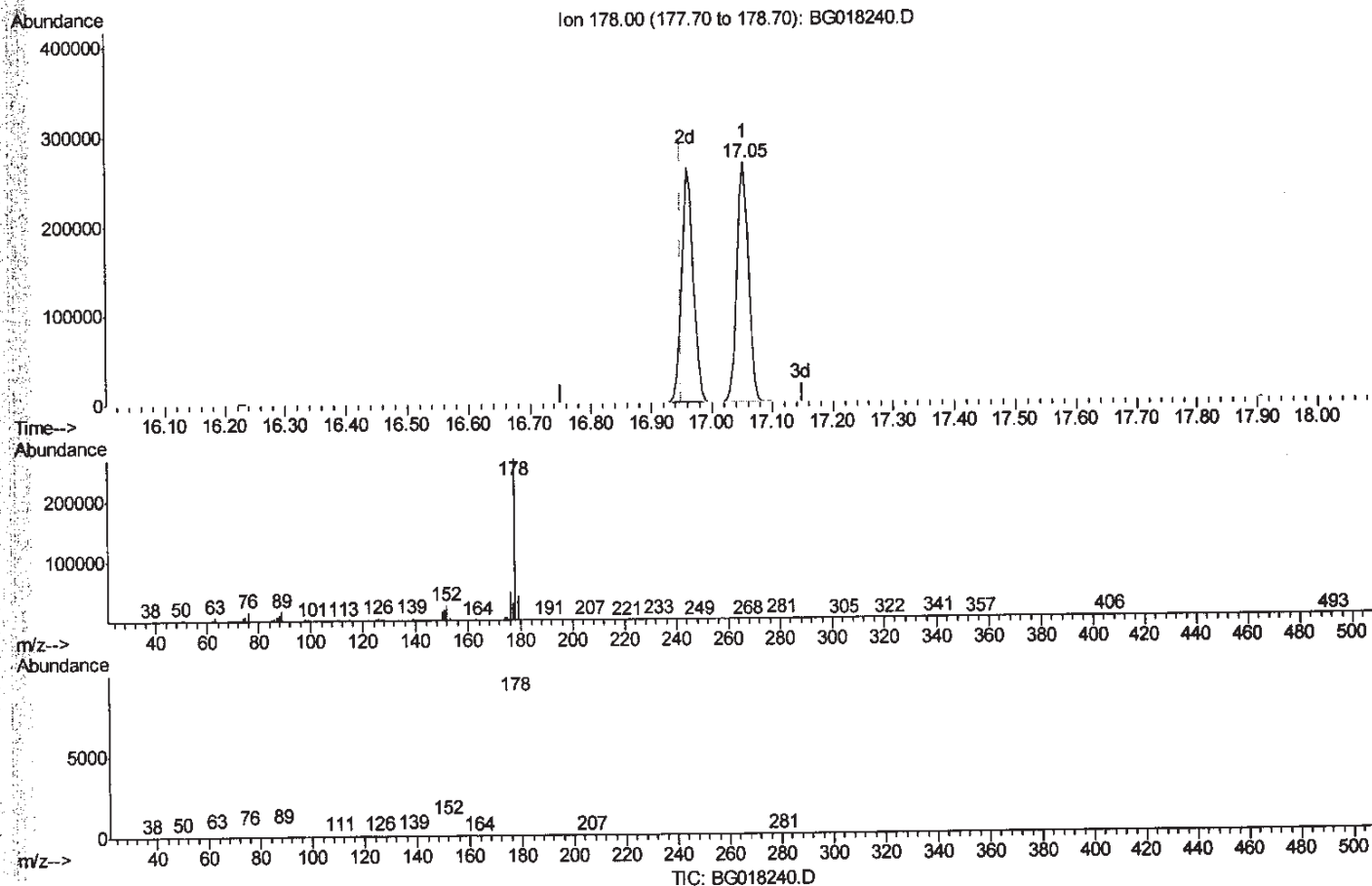
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



(70) Phenanthrene

17.054min (+0.103) 19.59ng/ul

response 354132

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 16.00 | 15.15 |
| 176.00 | 20.00 | 17.83 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

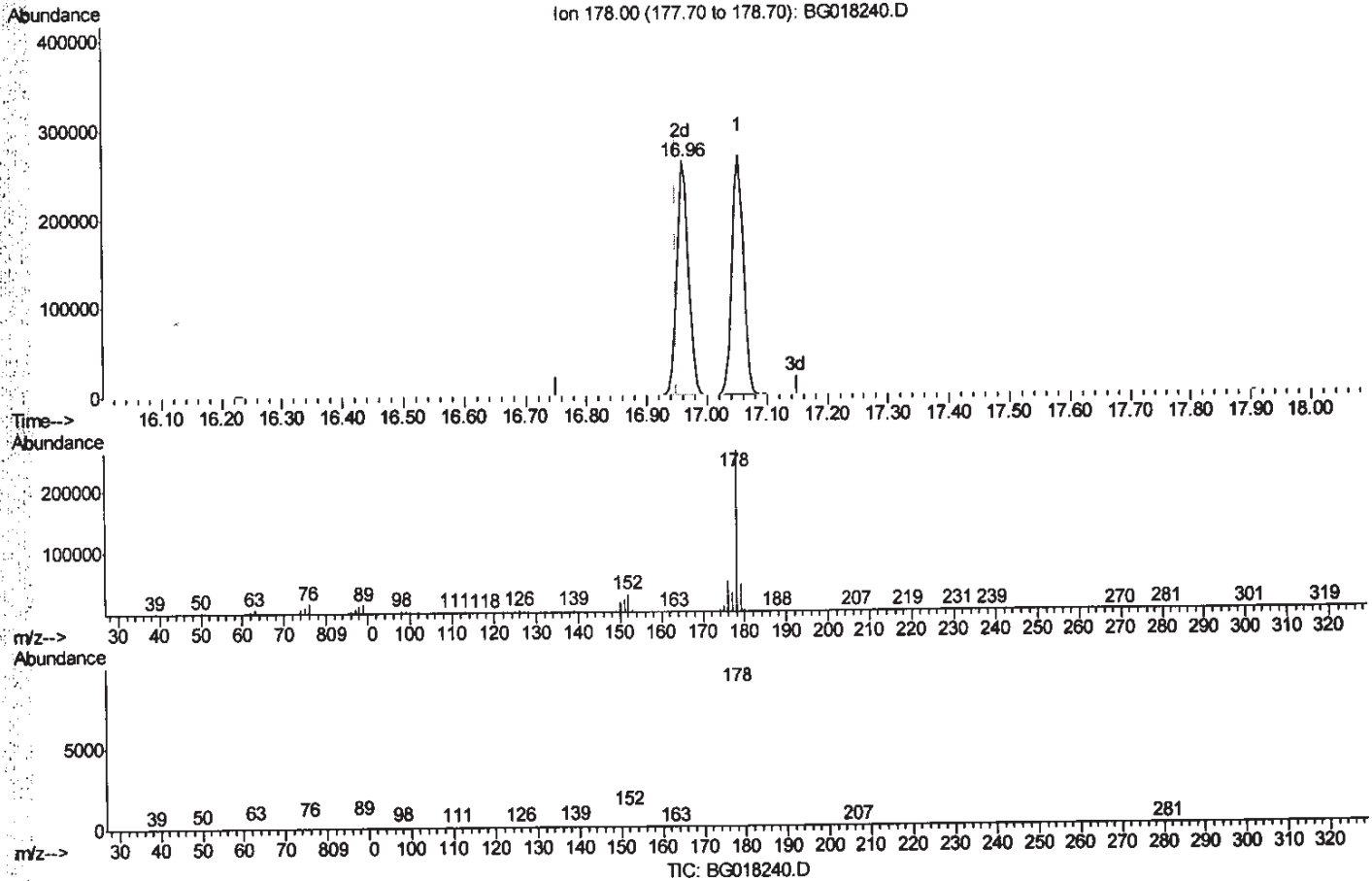
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

**Instrument :**  
 BNA\_G  
**LabSampleId :**  
 SSTD02056

**Manual Integrations**  
**APPROVED**

MMDadoda  
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Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(70) Phenanthrene

16.960min (+0.009) 19.49ng/ul m

response 352302

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 16.00 | 16.90 |
| 176.00 | 20.00 | 19.44 |
| 0.00   | 0.00  | 0.00  |

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 08/11/15

# Quantitation Report (Qedit)

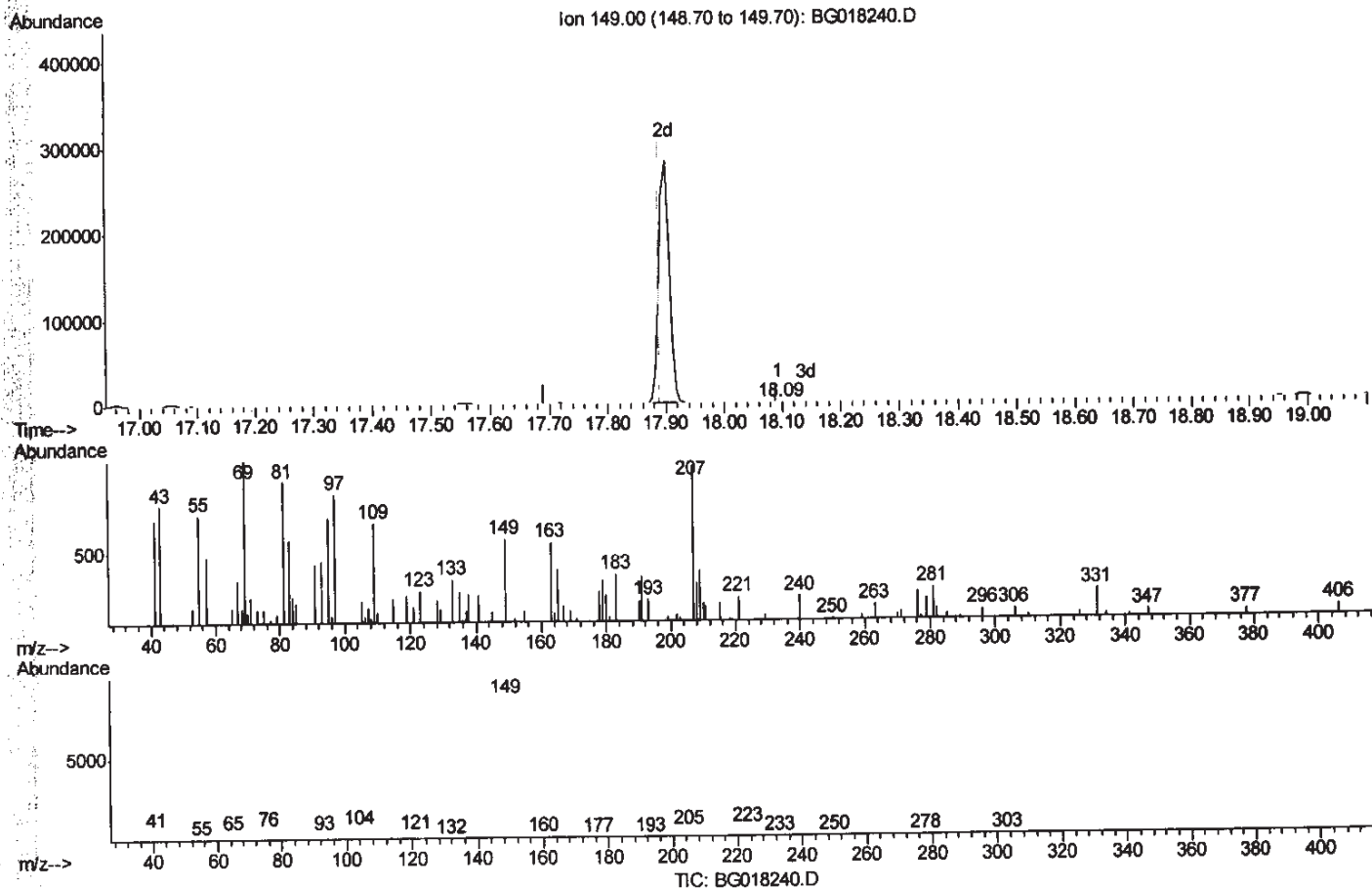
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(76) Di-n-butylphthalate

18.094min (+0.203) 0.04ng/ul

response 883

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 149.00 | 100  | 100   |
| 150.00 | 9.60 | 0.00# |
| 104.00 | 4.50 | 0.00# |
| 0.00   | 0.00 | 0.00  |

## Quantitation Report (Qedit)

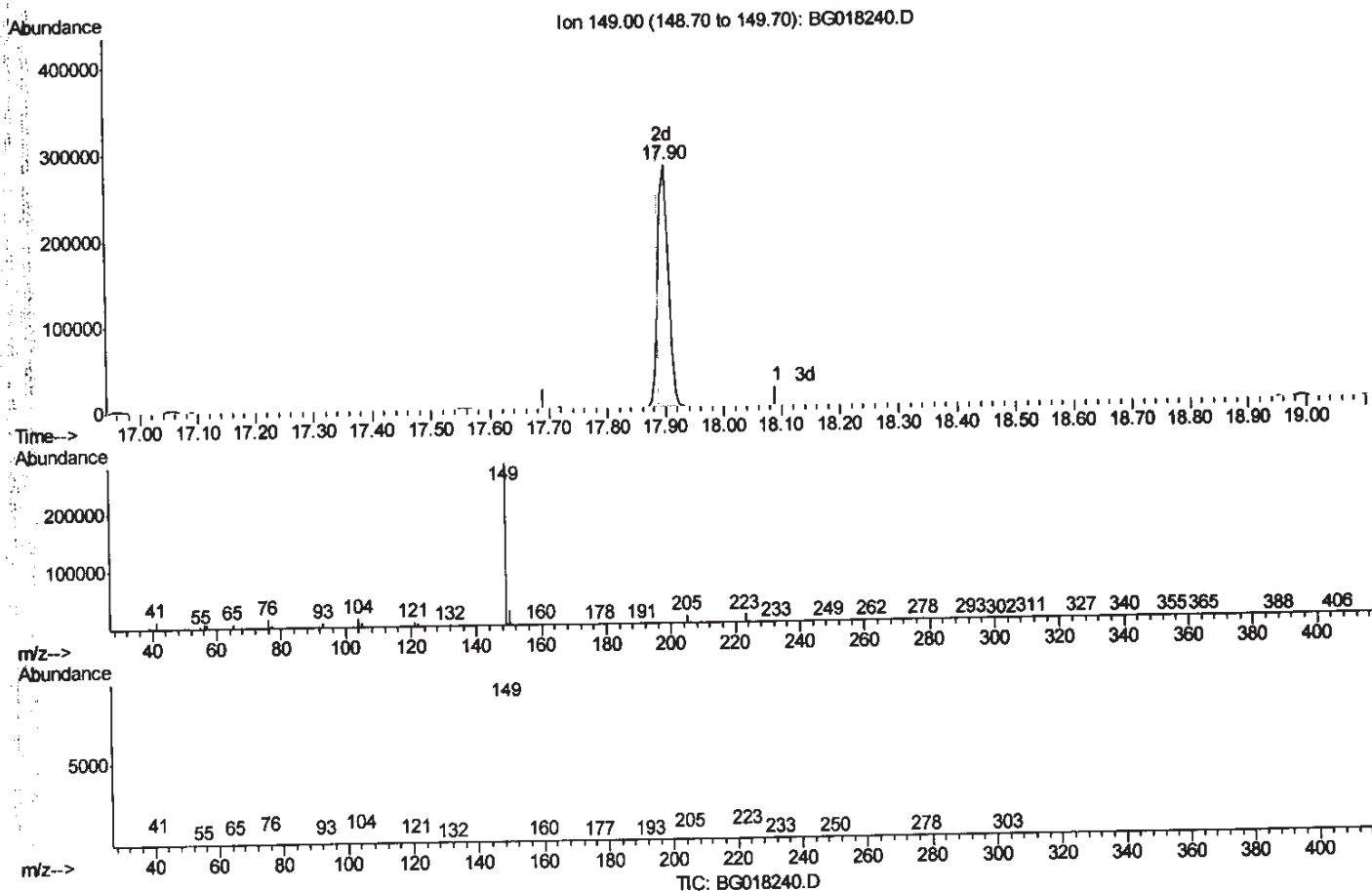
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



(76) Di-n-butylphthalate

17.900min (+0.009) 17.13ng/ul m

response 340614

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 149.00 | 100  | 100   |
| 150.00 | 9.60 | 9.01  |
| 104.00 | 4.50 | 5.87# |
| 0.00   | 0.00 | 0.00  |

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## Quantitation Report (Qedit)

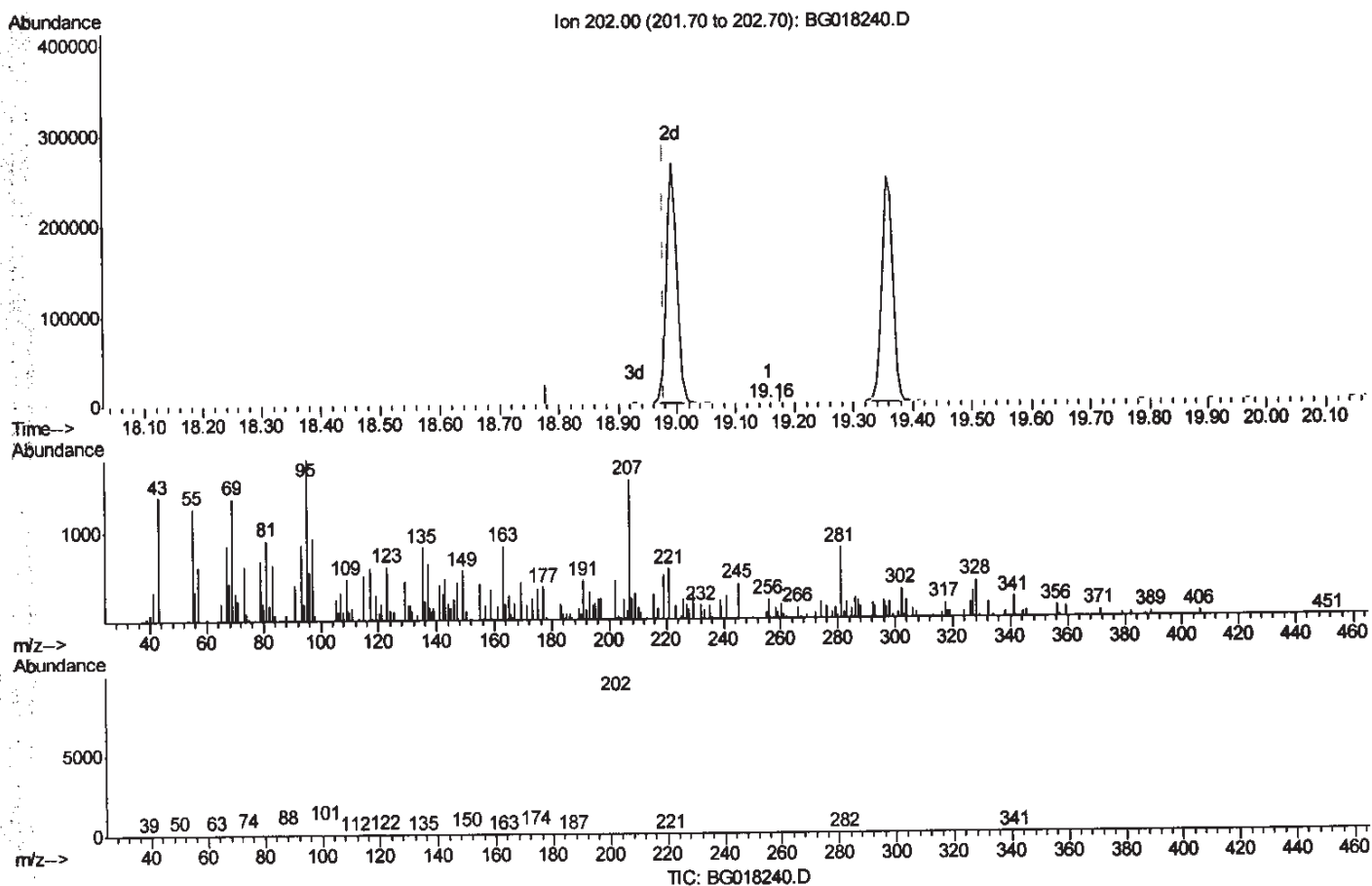
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



(77) Fluoranthene (C)

19.157min (+0.179) 0.02ng/ul

response 363

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 202.00 | 100  | 100   |
| 101.00 | 9.40 | 0.00# |
| 100.00 | 6.90 | 0.00# |
| 0.00   | 0.00 | 0.00  |

# Quantitation Report (Qedit)

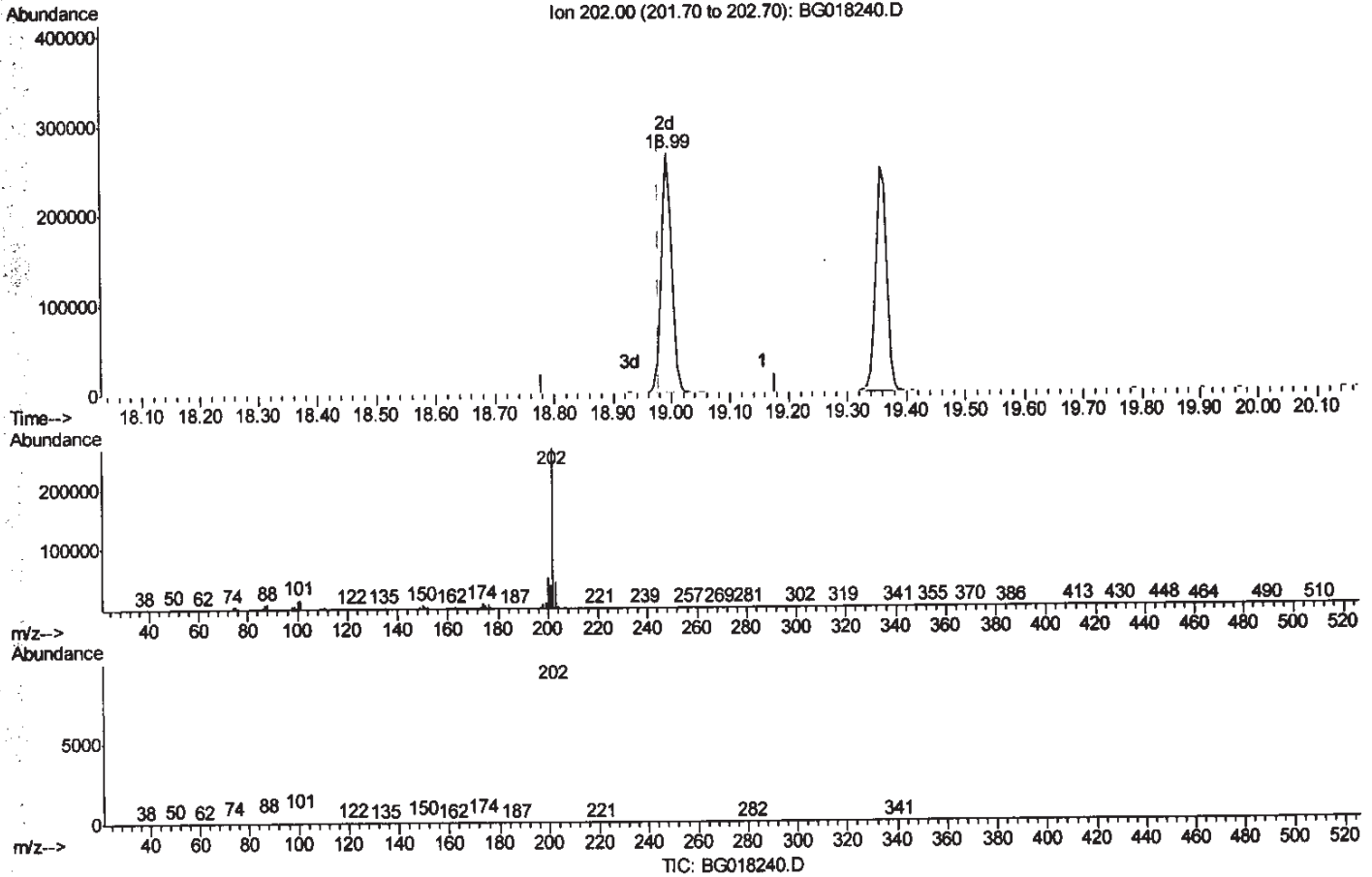
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(77) Fluoranthene (C)

18.993min (+0.015) 17.15ng/ul m

response 340571

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 202.00 | 100  | 100   |
| 101.00 | 9.40 | 6.44# |
| 100.00 | 6.90 | 5.58  |
| 0.00   | 0.00 | 0.00  |

>  $\frac{0.17}{0.81115}$

# Quantitation Report (Qedit)

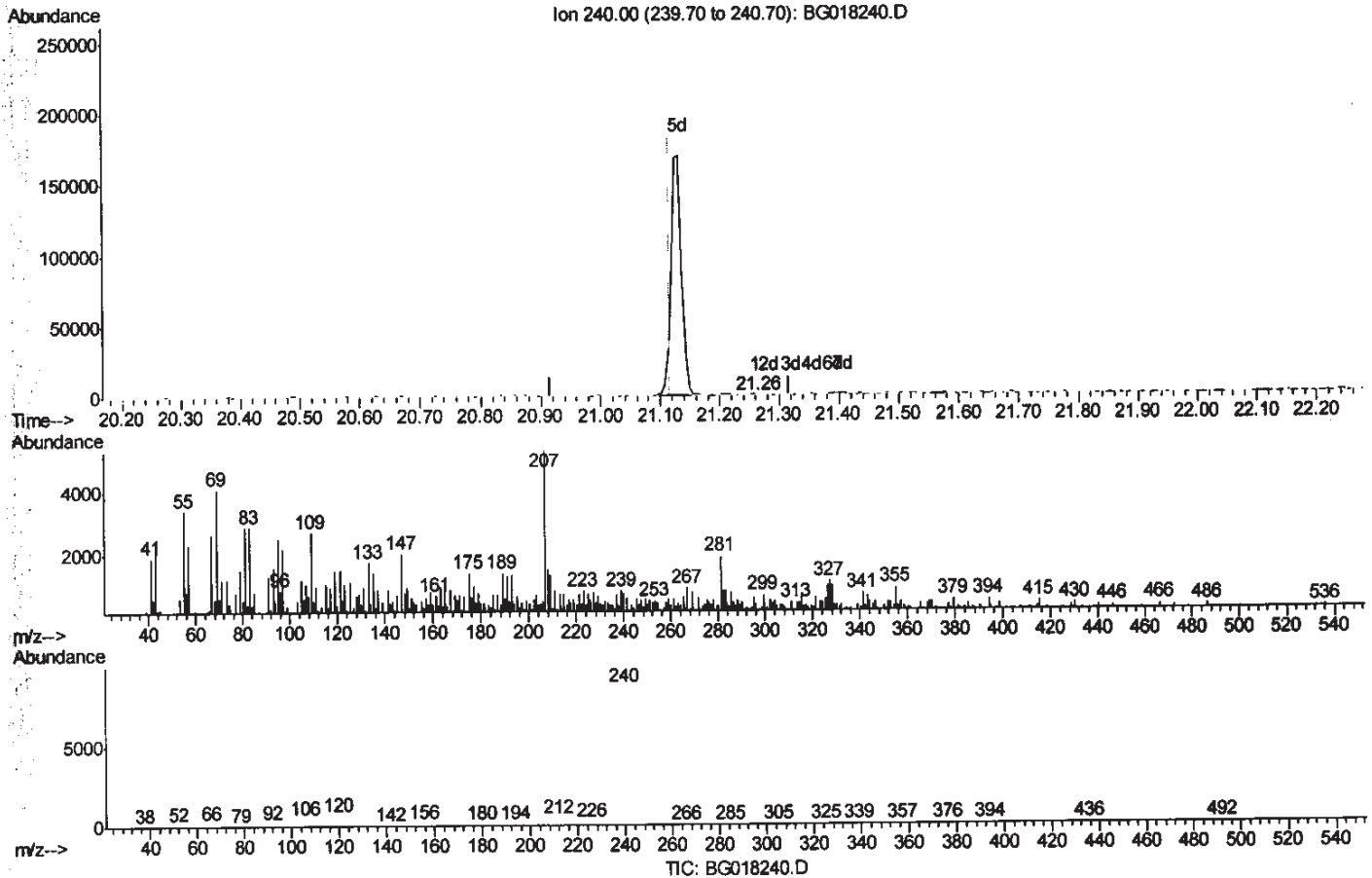
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(78) Chrysene-d12 (I)

21.260min (+0.144) 20.00ng/ul

response 1101

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 9.70  | 52.71# |
| 236.00 | 24.90 | 62.25# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

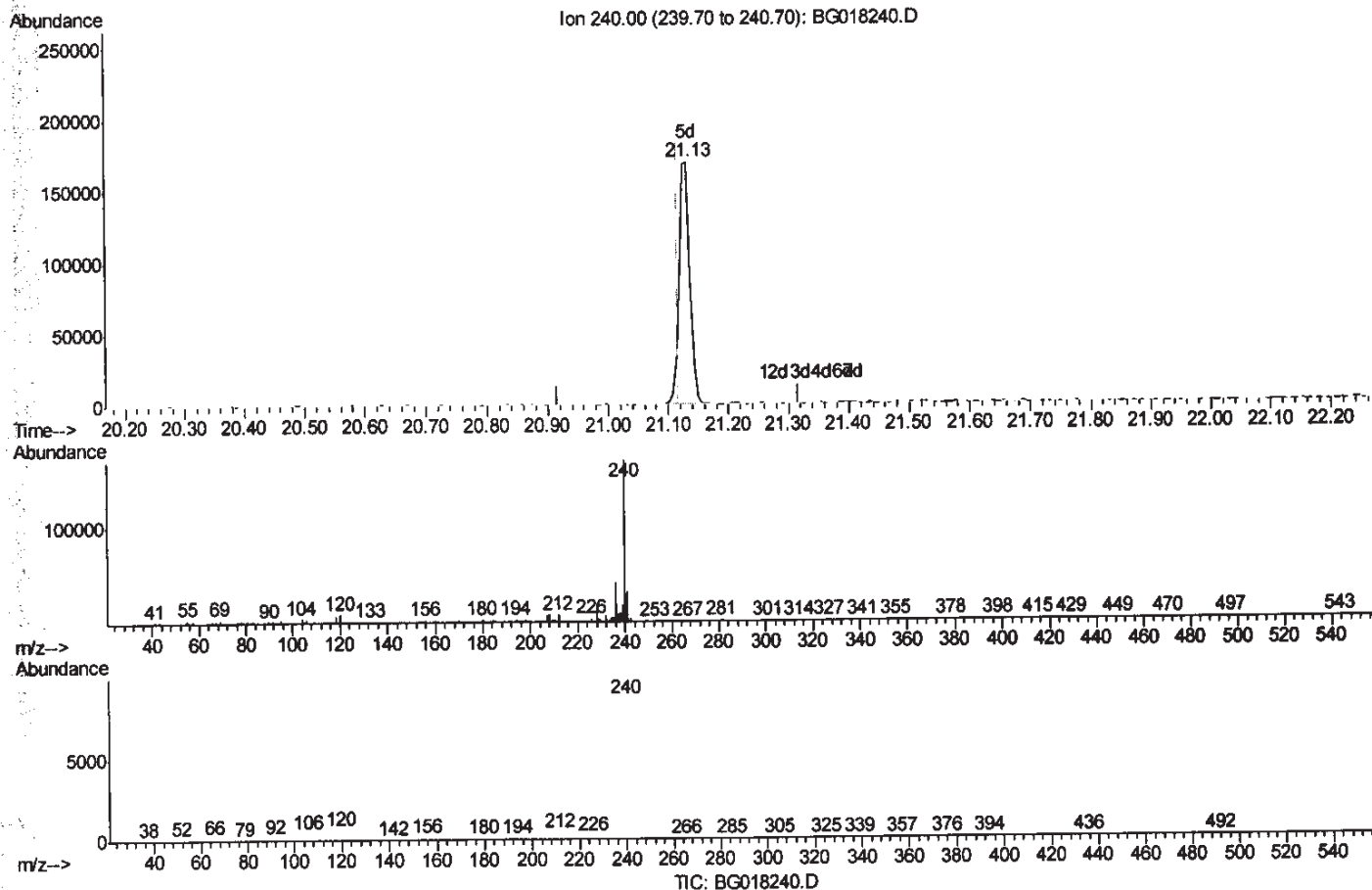
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(78) Chrysene-d12 (I)

21.131min (+0.015) 20.00ng/ul m

response 210916

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 9.70  | 5.48# |
| 236.00 | 24.90 | 24.07 |
| 0.00   | 0.00  | 0.00  |

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# Quantitation Report (Qedit)

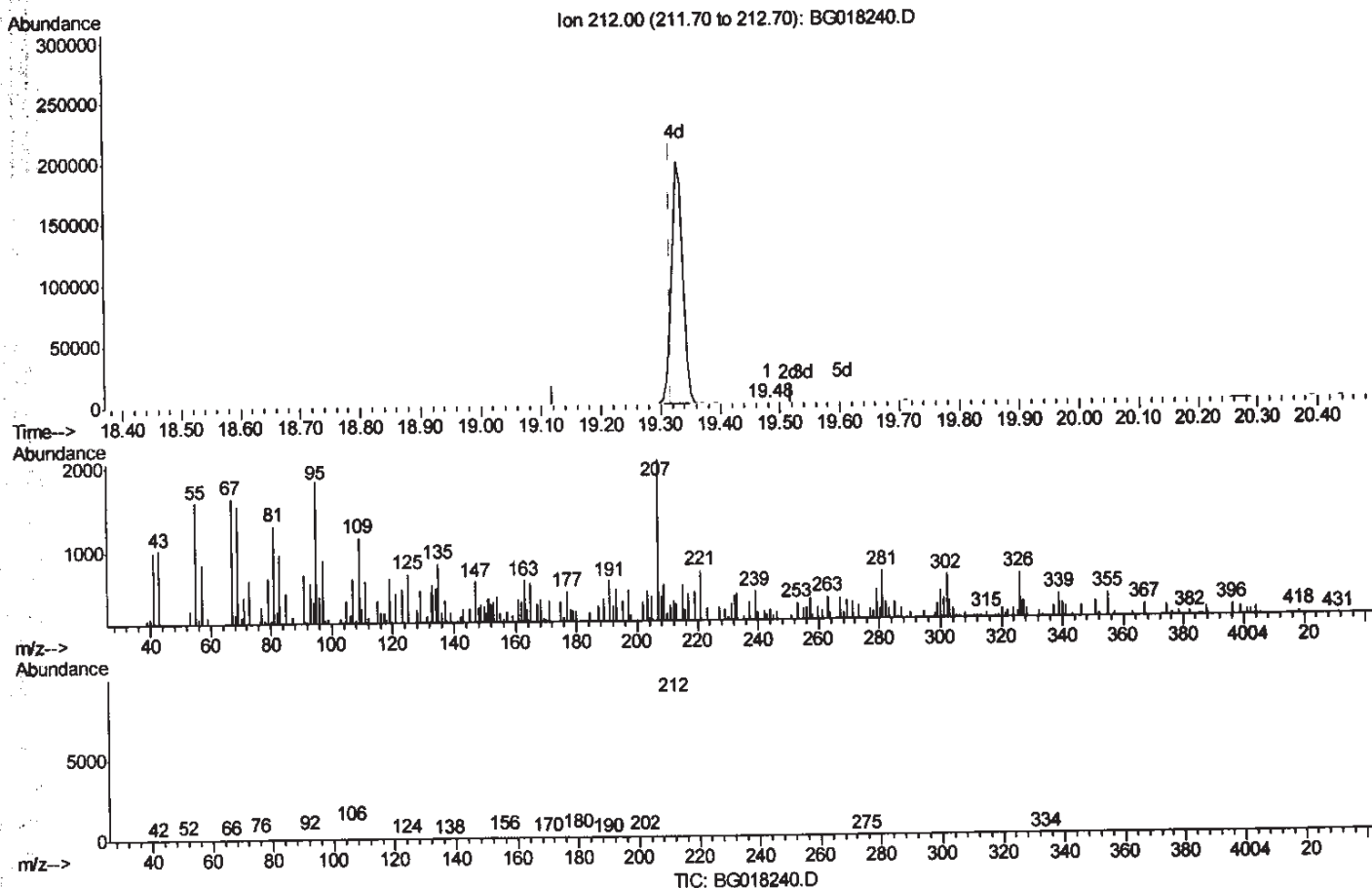
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(79) Pyrene-d10 (S)

19.480min (+0.162) 0.03ng/ui

response 356

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 212.00 | 100   | 100    |
| 106.00 | 11.40 | 61.18# |
| 104.00 | 7.60  | 0.00#  |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

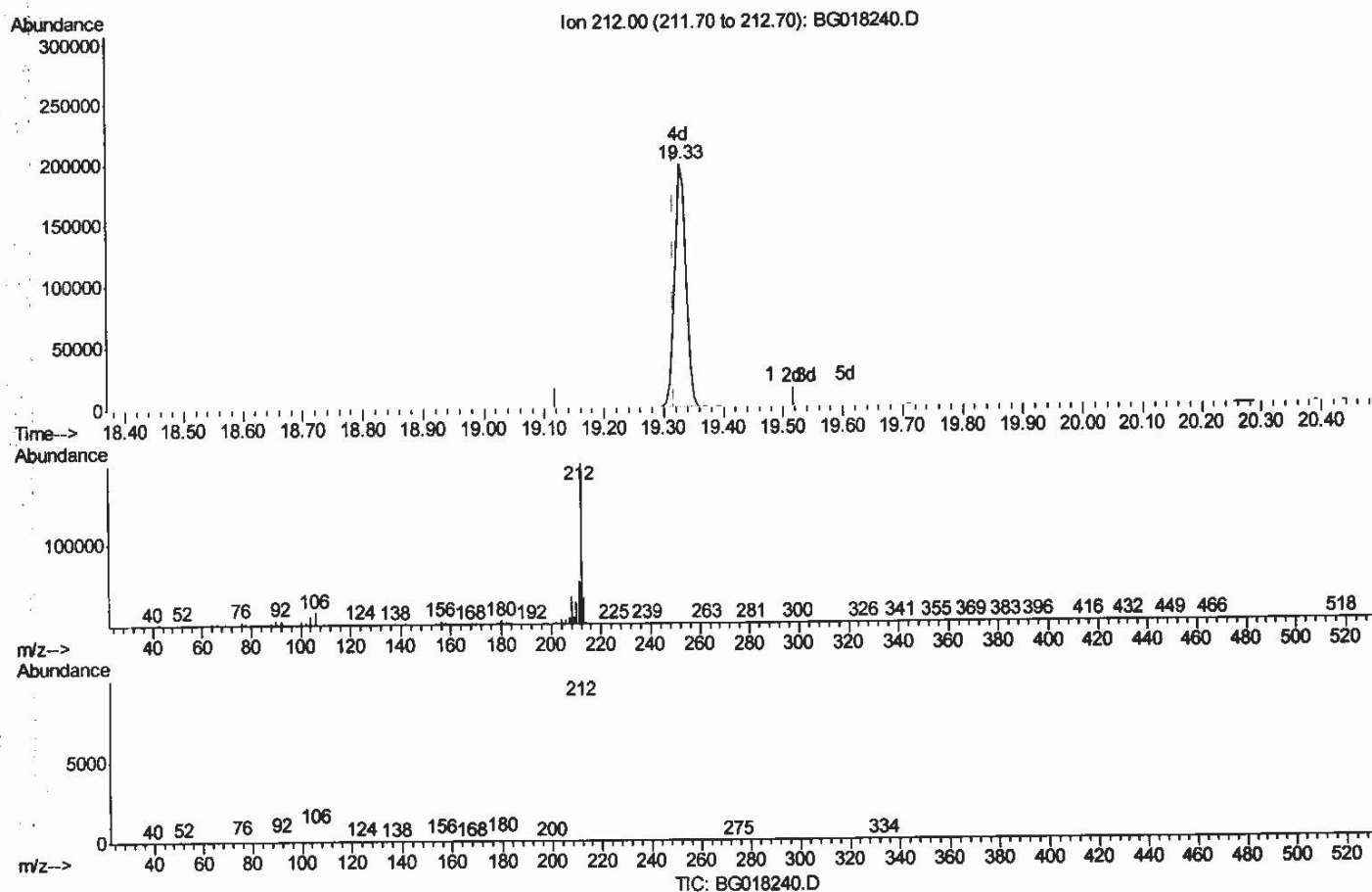
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



(79) Pyrene-d10 (S)

19.327min (+0.009) 25.74ng/ul m

response 262614

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 11.40 | 8.07# |
| 104.00 | 7.60  | 5.25# |
| 0.00   | 0.00  | 0.00  |

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08/11/15

# Quantitation Report (Qedit)

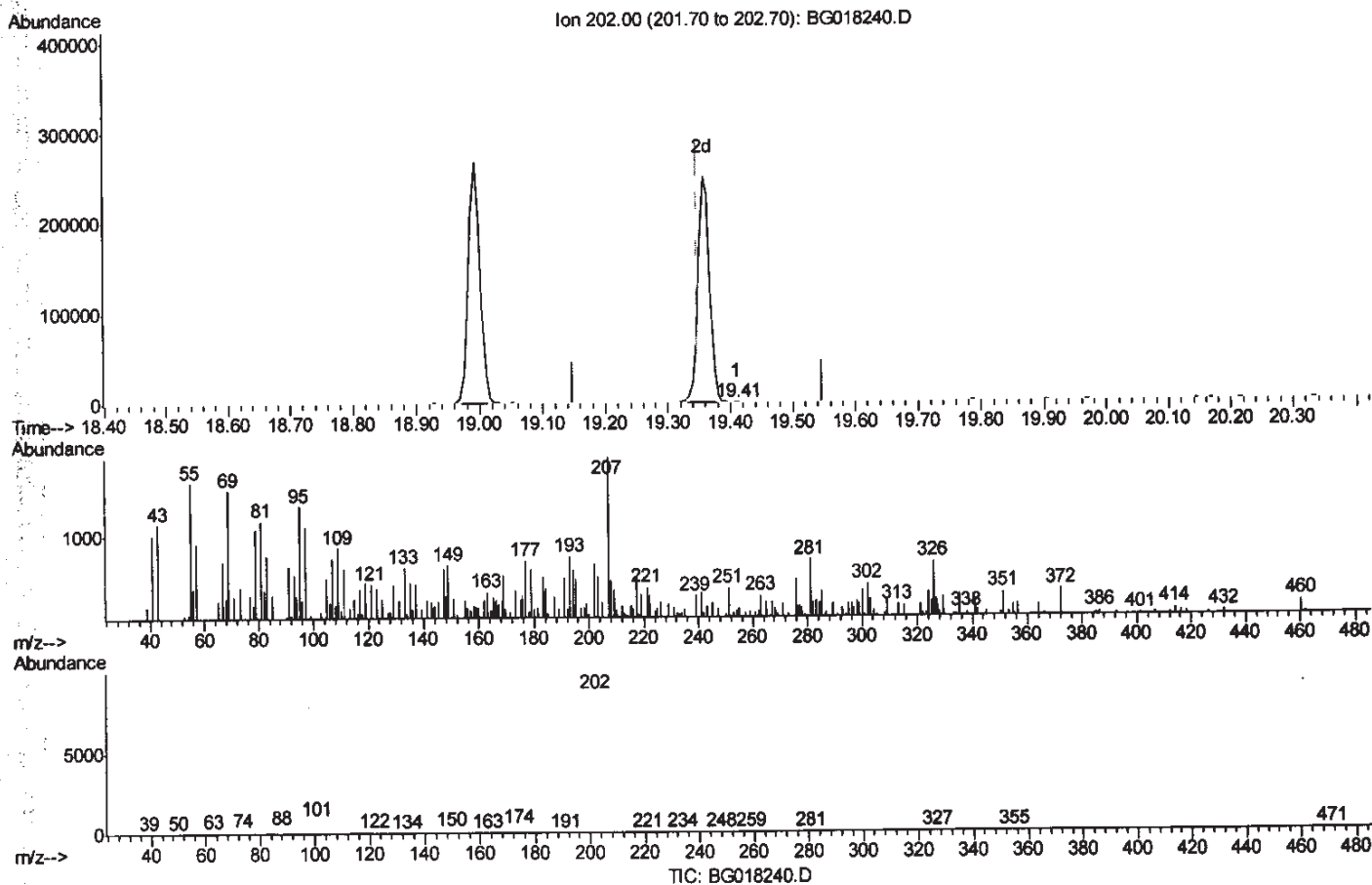
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(80) Pyrene

19.410min (+0.062) 0.03ng/ul

response 386

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.10 | 0.00# |
| 100.00 | 9.20  | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

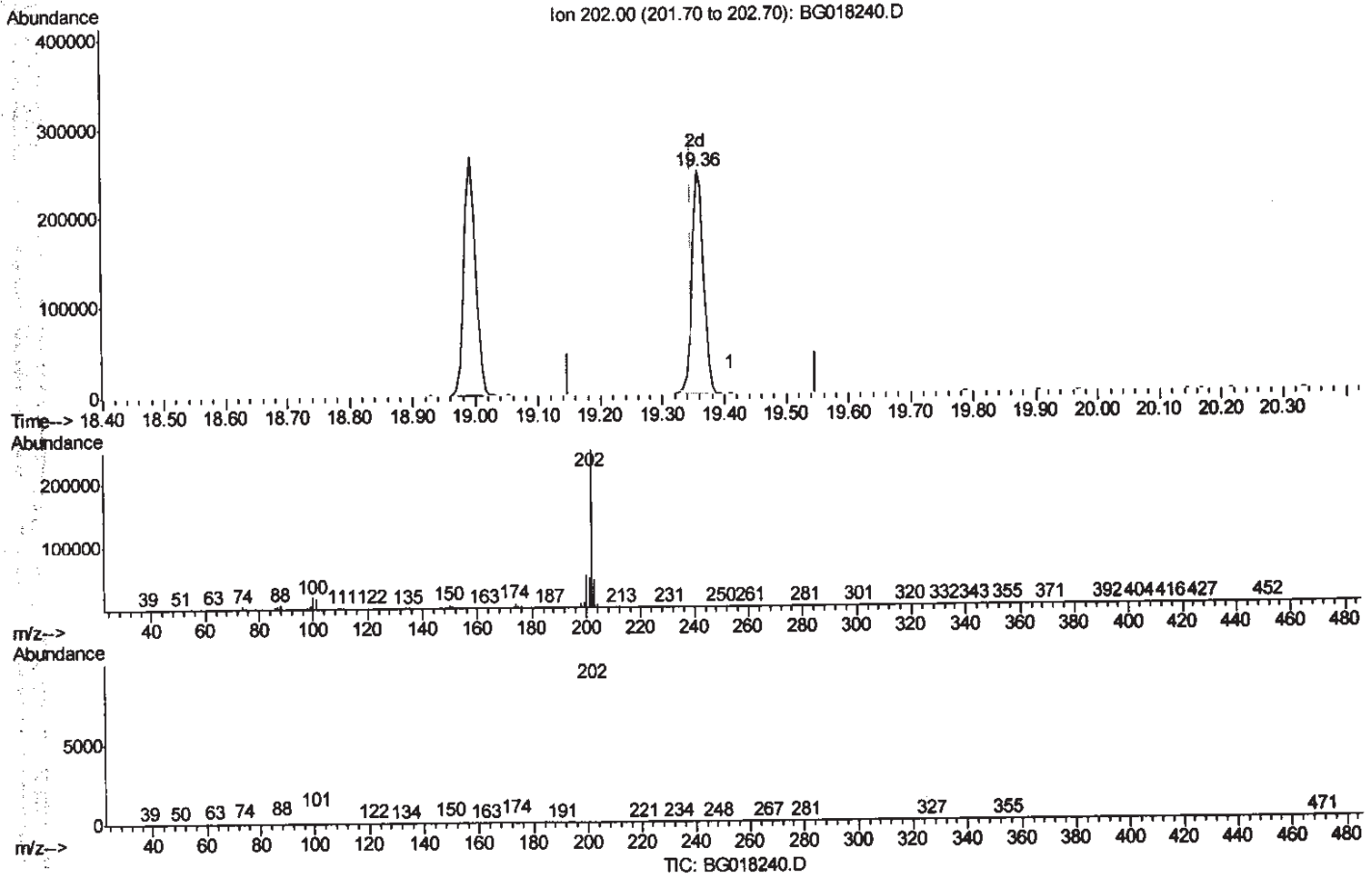
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(80) Pyrene

19.357min (+0.009) 25.34ng/ul m

response 324176

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.10 | 7.13# |
| 100.00 | 9.20  | 7.51  |
| 0.00   | 0.00  | 0.00  |

>  $\frac{0.11}{0.811115}$

# Quantitation Report (Qedit)

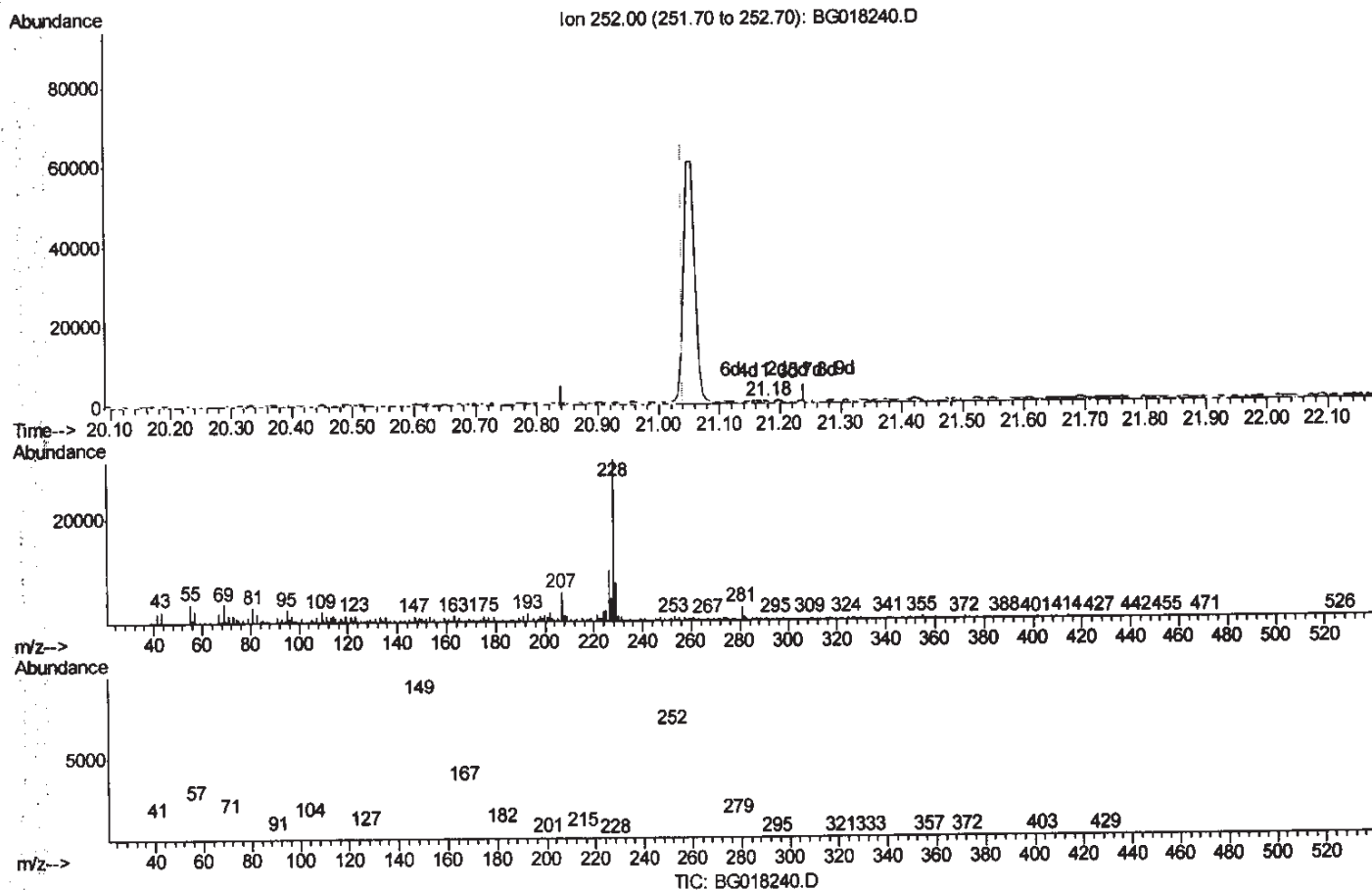
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(82) 3,3'-Dichlorobenzidine

21.178min (+0.138) 0.02ng/ul

response 86

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 254.00 | 66.70 | 73.81 |
| 126.00 | 10.90 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

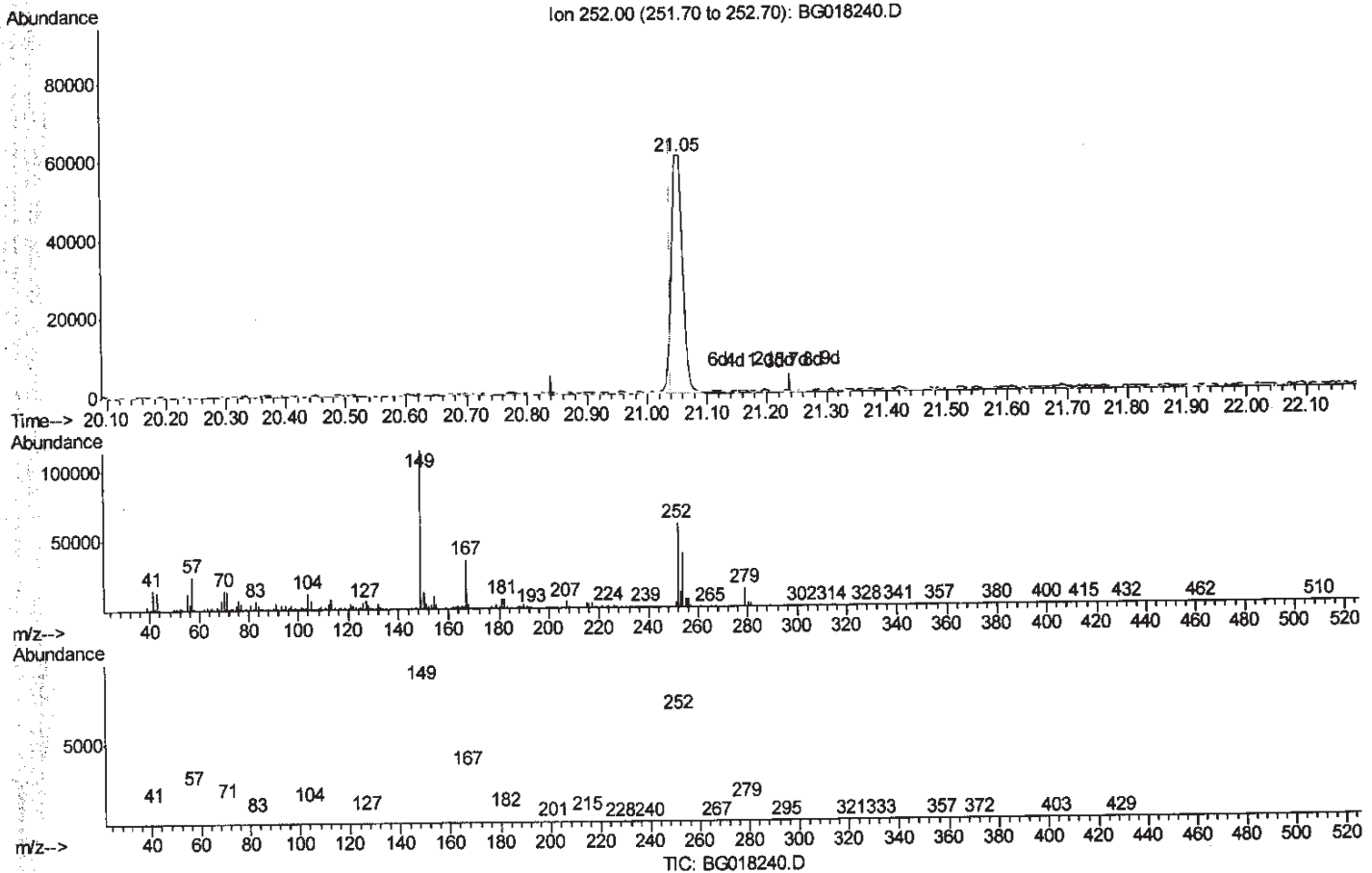
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(82) 3,3'-Dichlorobenzidine

21.049min (+0.009) 17.70ng/ul m

response 78708

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 254.00 | 66.70 | 65.48 |
| 126.00 | 10.90 | 7.63# |
| 0.00   | 0.00  | 0.00  |

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# Quantitation Report (Qedit)

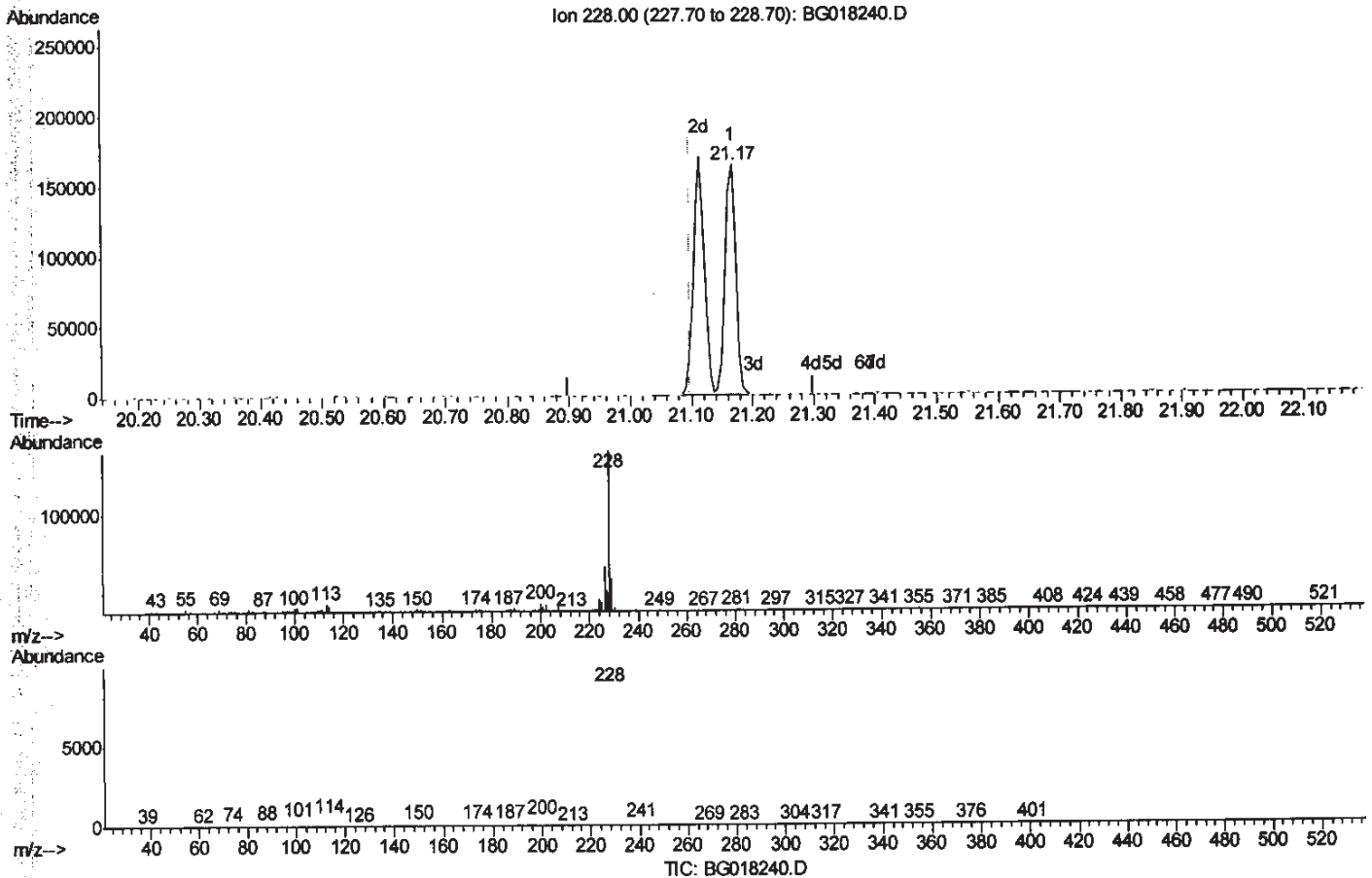
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(83) Benzo(a)anthracene

21.166min (+0.068) 17.35ng/ul

response 197037

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 20.60 | 20.52 |
| 226.00 | 26.90 | 27.85 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

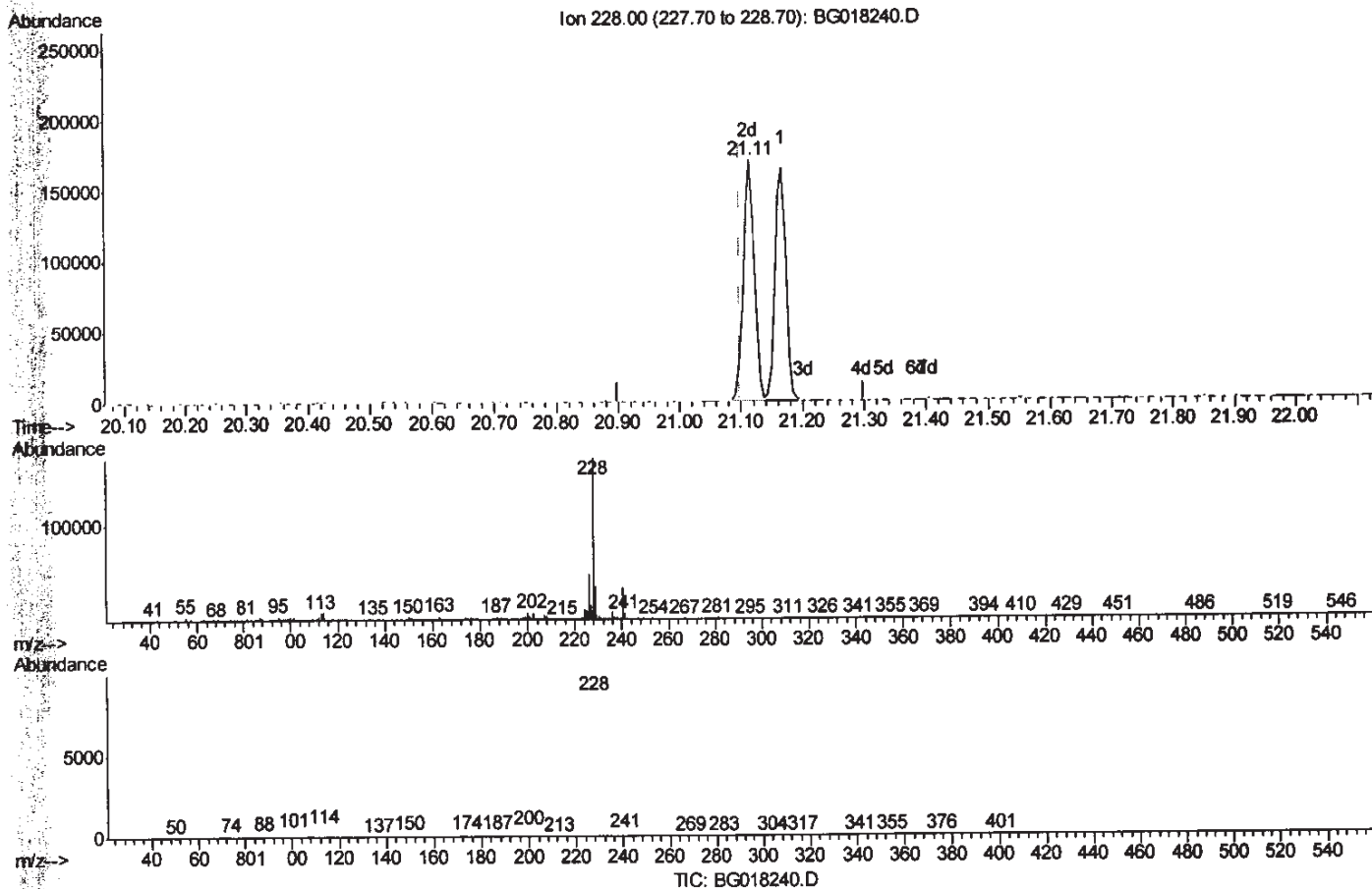
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration



(83) Benzo(a)anthracene

21.114min (+0.015) 18.76ng/ul m

response 213080

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 20.60 | 20.62 |
| 226.00 | 26.90 | 28.22 |
| 0.00   | 0.00  | 0.00  |

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## Quantitation Report (Qedit)

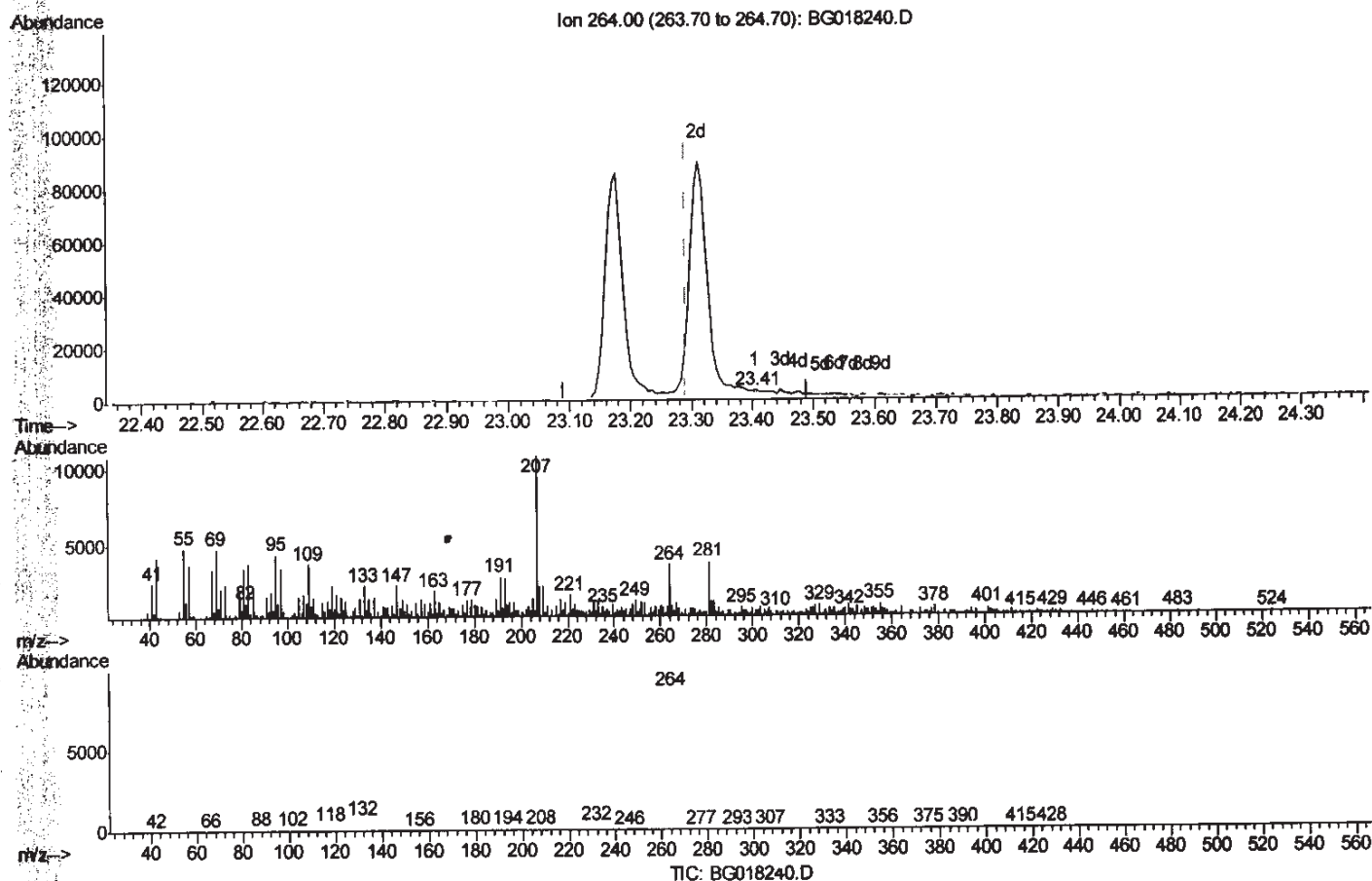
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



(86) Perylene-d12 (I)

23.405min (+0.115) 20.00ng/ul

response 213

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 100   |
| 260.00 | 22.50 | 24.54 |
| 265.00 | 22.20 | 25.64 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

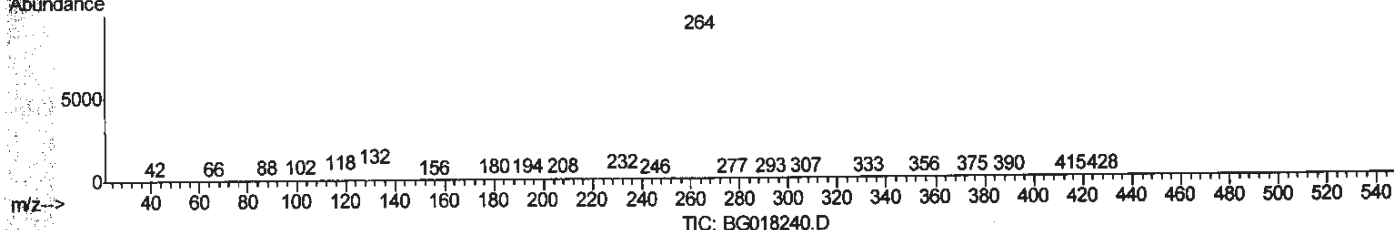
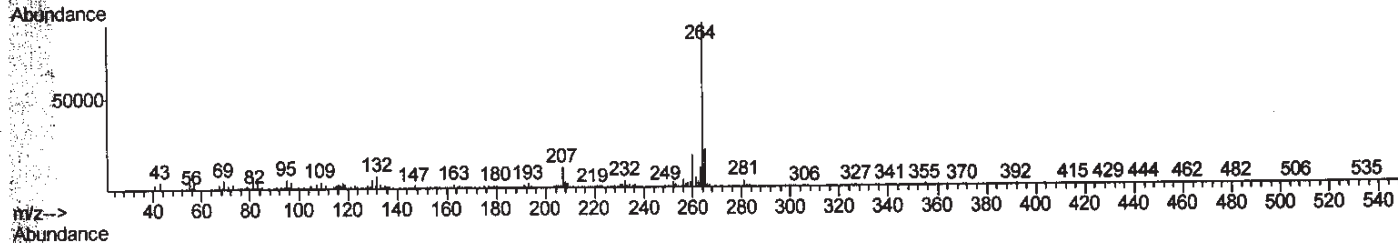
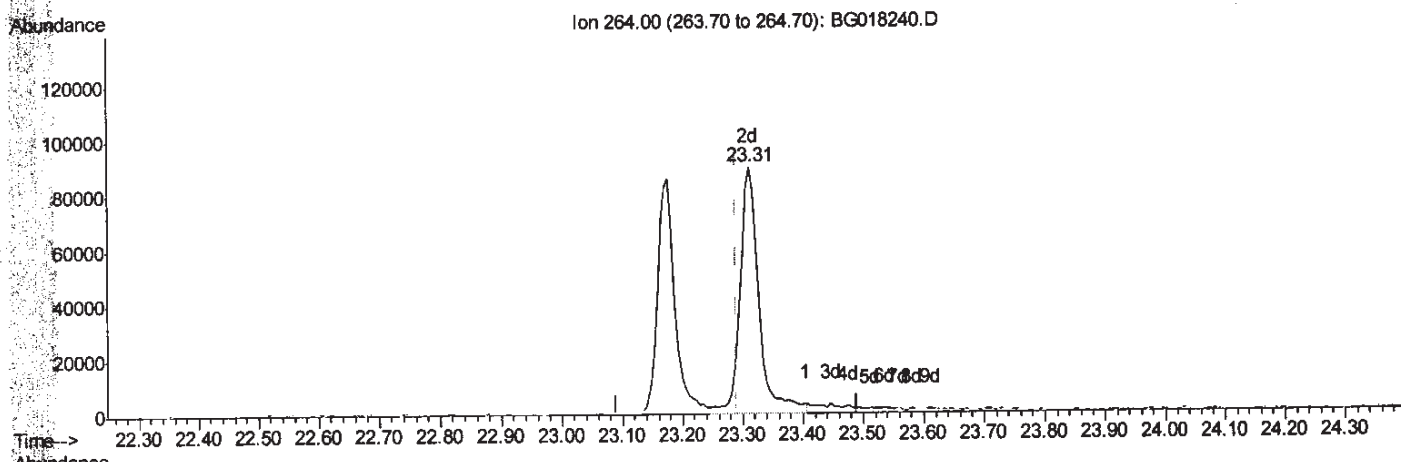
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

Quant Time: Aug 03 06:05:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration



(86) Perylene-d12 (I)

23.311min (+0.021) 20.00ng/ul m

response 197932

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 100   |
| 260.00 | 22.50 | 20.02 |
| 265.00 | 22.20 | 23.59 |
| 0.00   | 0.00  | 0.00  |

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Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 07:22:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 Last Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.48  | 152  | 56666    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.27 | 136  | 248550   | 20.00 | ng/ul | 0.01     |
| 36) Acenaphthene-d10      | 14.16 | 164  | 165392   | 20.00 | ng/ul | 0.01     |
| 62) Phenanthrene-d10      | 16.92 | 188  | 355881m  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.13 | 240  | 210916m  | 20.00 | ng/ul | 0.01     |
| 86) Perylene-d12          | 23.31 | 264  | 197932m  | 20.00 | ng/ul | 0.02     |

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| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 3) 1,4-Dioxane-d8              | 2.96  | 96   | 4738     | 6.31  | ng/uL | 0.00     |
| 5) Phenol-d5                   | 6.69  | 99   | 84853    | 16.65 | ng/ul | 0.02     |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.82  | 67   | 39025    | 14.98 | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.02  | 132  | 74962    | 19.48 | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 8.22  | 113  | 69814    | 16.82 | ng/ul | 0.01     |
| 19) Nitrobenzene-d5            | 8.64  | 128  | 37320    | 19.06 | ng/ul | 0.01     |
| 22) 2-Nitrophenol-d4           | 9.36  | 143  | 39416    | 17.54 | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 9.91  | 165  | 82713    | 20.83 | ng/ul | 0.02     |
| 29) 4-Chloroaniline-d4         | 10.41 | 131  | 101358   | 20.48 | ng/ul | 0.00     |
| 44) Dimethylphthalate-d6       | 13.58 | 166  | 230548   | 18.04 | ng/ul | 0.00     |
| 47) Acenaphthylene-d8          | 13.85 | 160  | 287308   | 19.39 | ng/ul | 0.01     |
| 52) 4-Nitrophenol-d4           | 14.42 | 143  | 35126    | 14.85 | ng/ul | 0.02     |
| 58) Fluorene-d10               | 15.16 | 176  | 216684   | 18.74 | ng/ul | 0.00     |
| 63) 4,6-Dinitro-2-methylphenol | 15.31 | 200  | 8270m    | 3.33  | ng/ul | 0.01     |
| 71) Anthracene-d10             | 17.02 | 188  | 304725   | 19.69 | ng/ul | 0.01     |
| 79) Pyrene-d10                 | 19.33 | 212  | 262614m  | 25.74 | ng/ul | 0.00     |
| 90) Benzo(a)pyrene-d12         | 23.18 | 264  | 177151m  | 17.70 | ng/ul | 0.03     |

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| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) | Ovalue |
|--------------------------------|-------|------|----------|-------|--------|----------|--------|
| 2) 1,4-Dioxane                 | 2.99  | 88   | 5078     | 5.87  | ng/uL  | 88       |        |
| 4) Benzaldehyde                | 6.62  | 77   | 46779    | 16.98 | ng/ul# | 80       |        |
| 6) Phenol                      | 6.71  | 94   | 83700    | 16.18 | ng/ul# | 79       |        |
| 8) Bis(2-Chloroethyl)ether     | 6.91  | 93   | 61726    | 16.47 | ng/ul  | 95       |        |
| 10) 2-Chlorophenol             | 7.05  | 128  | 71388    | 19.16 | ng/ul# | 91       |        |
| 11) 2-Methylphenol             | 7.95  | 108  | 70163    | 17.18 | ng/ul  | 97       |        |
| 12) 2,2'-oxybis(1-Chloropropan | 8.02  | 45   | 47894    | 14.53 | ng/ul# | 94       |        |
| 14) Acetophenone               | 8.31  | 105  | 108554   | 16.81 | ng/ul  | 94       |        |
| 15) N-Nitroso-di-n-propylamine | 8.29  | 70   | 51170    | 13.96 | ng/ul  | 92       |        |
| 16) 4-Methylphenol             | 8.28  | 108  | 74339    | 16.45 | ng/ul  | 99       |        |
| 17) Hexachloroethane           | 8.54  | 117  | 31200    | 18.04 | ng/ul  | 95       |        |
| 20) Nitrobenzene               | 8.68  | 77   | 82894    | 17.71 | ng/ul# | 87       |        |
| 21) Isophorone                 | 9.20  | 82   | 152819   | 15.78 | ng/ul# | 92       |        |
| 23) 2-Nitrophenol              | 9.39  | 139  | 41786    | 18.23 | ng/ul# | 71       |        |
| 24) 2,4-Dimethylphenol         | 9.47  | 107  | 90248    | 18.28 | ng/ul  | 87       |        |
| 25) Bis(2-Chloroethoxy)methane | 9.69  | 93   | 81960    | 16.37 | ng/ul  | 98       |        |
| 27) 2,4-Dichlorophenol         | 9.93  | 162  | 77796    | 20.17 | ng/ul# | 93       |        |
| 28) Naphthalene                | 10.31 | 128  | 231974   | 19.39 | ng/ul  | 100      |        |
| 30) 4-Chloroaniline            | 10.44 | 127  | 99627    | 19.96 | ng/ul  | 99       |        |
| 31) Hexachlorobutadiene        | 10.60 | 225  | 62689    | 23.30 | ng/ul  | 98       |        |
| 32) Caprolactam                | 11.20 | 113  | 30630m   | 16.24 | ng/ul  | 86       |        |
| 33) 4-Chloro-3-methylphenol    | 11.60 | 107  | 84056    | 17.08 | ng/ul  | 86       |        |
| 34) 2-Methylnaphthalene        | 11.95 | 142  | 178814   | 18.88 | ng/ul  | 100      |        |

U.M  
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Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\  
 Data File : BG018240.D  
 Acq On : 2 Aug 2015 23:25  
 Operator : TP  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02056

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2015 12:20:52 PM

Quant Time: Aug 03 07:22:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 Qlast Update : Mon Aug 03 05:58:42 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.17 | 142  | 172248   | 18.95 | ng/ul# | 97       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.33 | 216  | 109134   | 23.52 | ng/ul  | 98       |
| 38) Hexachlorocyclopentadiene  | 12.29 | 237  | 9446     | 3.98  | ng/ul  | 95       |
| 39) 2,4,6-Trichlorophenol      | 12.59 | 196  | 66755    | 21.37 | ng/ul  | 88       |
| 40) 2,4,5-Trichlorophenol      | 12.66 | 196  | 71840    | 21.25 | ng/ul  | 93       |
| 41) 1,1'-Biphenyl              | 12.98 | 154  | 234974   | 19.88 | ng/ul  | 98       |
| 42) 2-Chloronaphthalene        | 13.02 | 162  | 187395   | 20.99 | ng/ul  | 94       |
| 43) 2-Nitroaniline             | 13.24 | 65   | 48316    | 15.72 | ng/ul# | 68       |
| 45) Dimethylphthalate          | 13.62 | 163  | 230268   | 18.11 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 13.75 | 165  | 51513    | 17.66 | ng/ul# | 86       |
| 48) Acenaphthylene             | 13.88 | 152  | 284023   | 19.30 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.08 | 138  | 51505    | 20.04 | ng/ul# | 71       |
| 50) Acenaphthene               | 14.23 | 153  | 186770   | 19.48 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 14.32 | 184  | 2314     | 1.34  | ng/ul# | 87       |
| 53) 4-Nitrophenol              | 14.43 | 109  | 35108    | 14.70 | ng/ul# | 75       |
| 54) Dibenzofuran               | 14.56 | 168  | 279088   | 19.33 | ng/ul# | 86       |
| 55) 2,4-Dinitrotoluene         | 14.55 | 165  | 68691    | 16.21 | ng/ul# | 80       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.81 | 232  | 67588    | 20.30 | ng/ul# | 97       |
| 57) Diethylphthalate           | 15.00 | 149  | 227722   | 17.29 | ng/ul  | 100      |
| 59) Fluorene                   | 15.22 | 166  | 235934   | 18.94 | ng/ul  | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.21 | 204  | 132757   | 19.74 | ng/ul  | 95       |
| 61) 4-Nitroaniline             | 15.25 | 138  | 51876    | 17.96 | ng/ul# | 45       |
| 64) 4,6-Dinitro-2-methylphenol | 15.33 | 198  | 9543m    | 3.63  | ng/ul  |          |
| 65) N-Nitrosodiphenylamine     | 15.44 | 169  | 196121   | 21.26 | ng/ul  | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.11 | 248  | 87044    | 23.08 | ng/ul  | 95       |
| 67) Hexachlorobenzene          | 16.23 | 284  | 110023   | 24.17 | ng/ul# | 89       |
| 68) Atrazine                   | 16.40 | 200  | 84791    | 20.90 | ng/ul  | 98       |
| 69) Pentachlorophenol          | 16.58 | 266  | 40960    | 16.48 | ng/ul  | 94       |
| 70) Phenanthrene               | 16.96 | 178  | 352302m  | 19.49 | ng/ul  |          |
| 72) Anthracene                 | 17.05 | 178  | 352575   | 19.60 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.95 | 216  | 105261   | 26.22 | ng/uL  | 98       |
| 74) Pentachlorobenzene         | 14.49 | 250  | 114853   | 25.53 | ng/uL  | 98       |
| 75) Carbazole                  | 17.33 | 167  | 296924   | 19.87 | ng/ul  | 97       |
| 76) Di-n-butylphthalate        | 17.90 | 149  | 340614m  | 17.13 | ng/ul  |          |
| 77) Fluoranthene               | 18.99 | 202  | 340571m  | 17.15 | ng/ul  |          |
| 80) Pvrene                     | 19.36 | 202  | 324176m  | 25.34 | ng/ul  |          |
| 81) Butylbenzylphthalate       | 20.27 | 149  | 95859    | 18.45 | ng/ul  | 92       |
| 82) 3,3'-Dichlorobenzidine     | 21.05 | 252  | 78708m   | 17.70 | ng/ul  |          |
| 83) Benzo(a)anthracene         | 21.11 | 228  | 213080m  | 18.76 | ng/ul  |          |
| 84) Bis(2-ethylhexyl)phthalate | 21.05 | 149  | 117517   | 16.76 | ng/ul  | 95       |
| 85) Chrysene                   | 21.17 | 228  | 197037   | 18.94 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 21.91 | 149  | 200022m  | 19.14 | ng/ul  |          |
| 88) Benzo(b)fluoranthene       | 22.66 | 252  | 201908m  | 16.98 | ng/ul  |          |
| 89) Benzo(k)fluoranthene       | 22.70 | 252  | 222847m  | 20.39 | ng/ul  |          |
| 91) Benzo(a)pyrene             | 23.22 | 252  | 191975m  | 18.05 | ng/ul  |          |
| 92) Indeno(1,2,3-cd)pyrene     | 25.52 | 276  | 173231m  | 14.08 | ng/ul  |          |
| 93) Dibenzo(a,h)anthracene     | 25.53 | 278  | 154823m  | 14.69 | ng/ul  |          |
| 94) Benzo(a,h,i)perylene       | 26.20 | 276  | 121608m  | 12.10 | ng/ul  |          |

U.17  
 08/11/15

Data Path : Z:\HPCHEM1\BNA G\Data\BG080215\  
Data File : BG018240.D  
Acq On : 2 Aug 2015 23:25  
Operator : TP  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 03 07:22:02 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 03 05:58:42 2015  
Response via : Initial Calibration

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02056

Manual Integrations  
APPROVED

MMDadoda  
8/4/2015 12:20:52 PM

| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |