

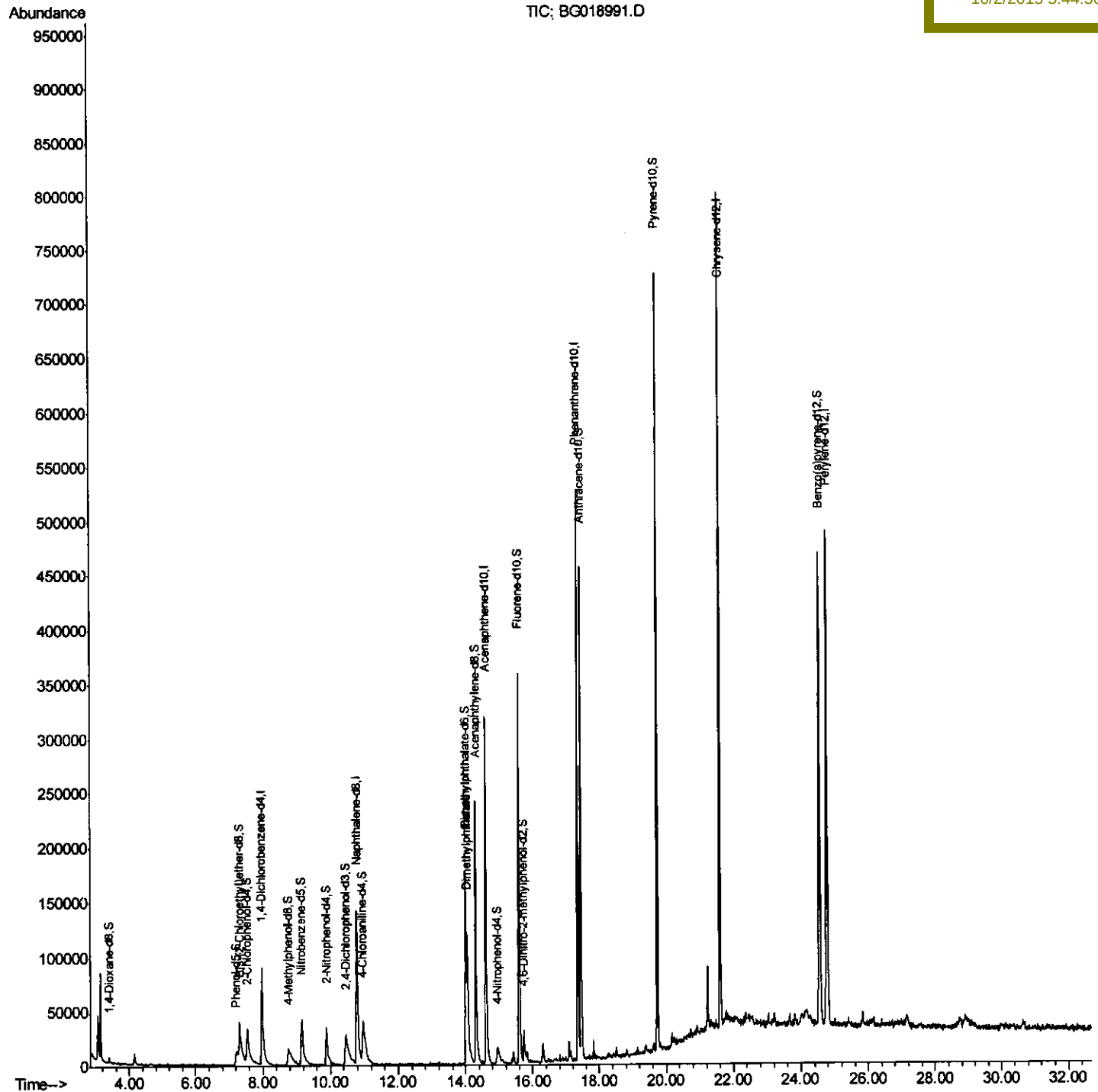
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
Data File : BG018991.D  
Acq On : 1 Oct 2015 22:41  
Operator : UM/NP  
Sample : G3865-16  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 02 12:58:26 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 02 11:51:49 2015  
Response via : Initial Calibration

Instrument :  
BNA\_G  
ClientSampleId :  
E5MZ2

Manual Integrations  
APPROVED

MMDadoda  
10/2/2015 5:44:30 PM



# Quantitation Report (Qedit)

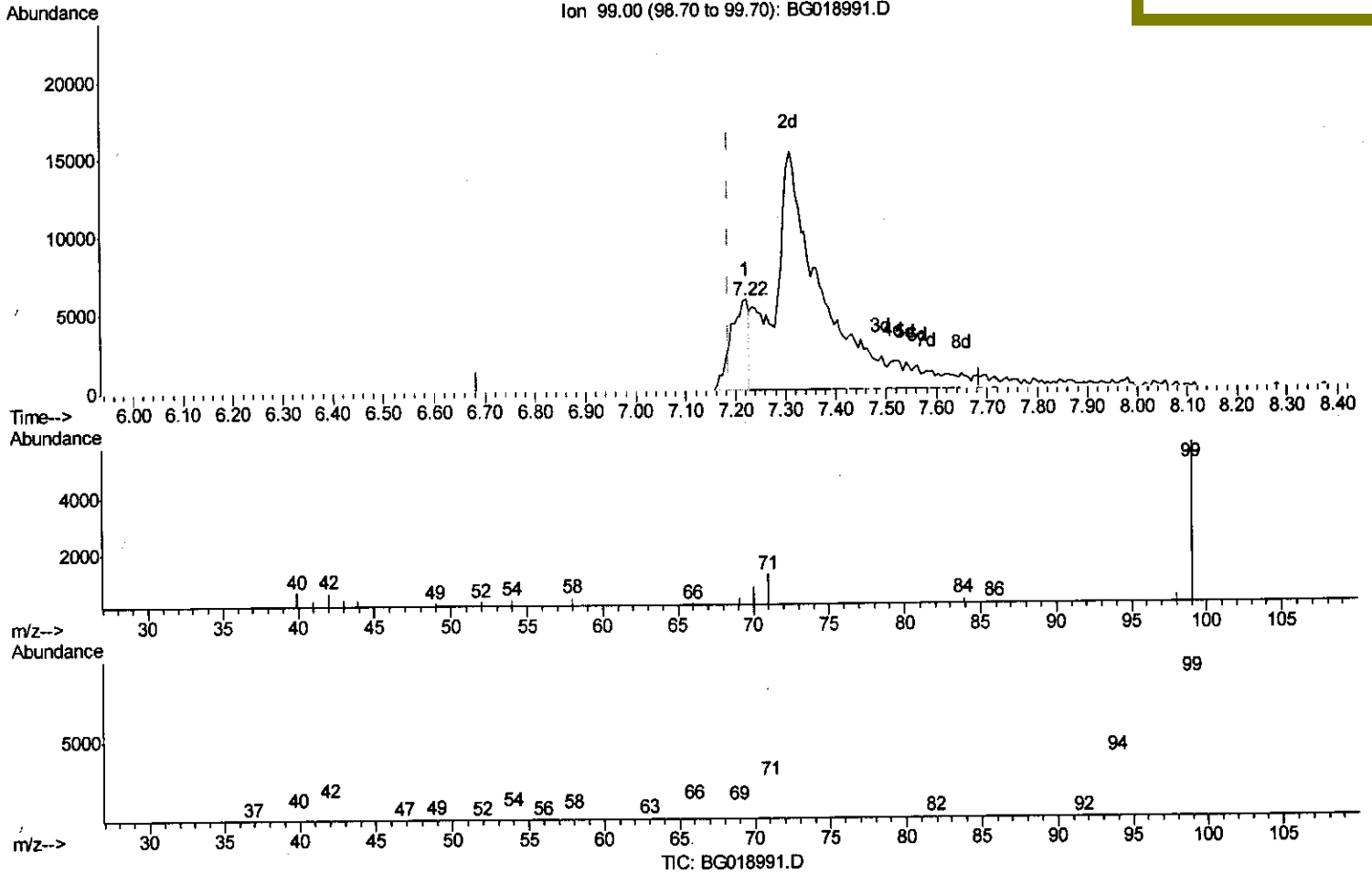
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5MZ2

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM



(5) Phenol-d5 (S)

7.221min (+0.036) 3.42ng/ul

response 14703

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 99.00 | 100   | 100    |
| 71.00 | 32.70 | 21.30# |
| 42.00 | 21.00 | 10.79# |
| 0.00  | 0.00  | 0.00   |

# Quantitation Report (Qedit)

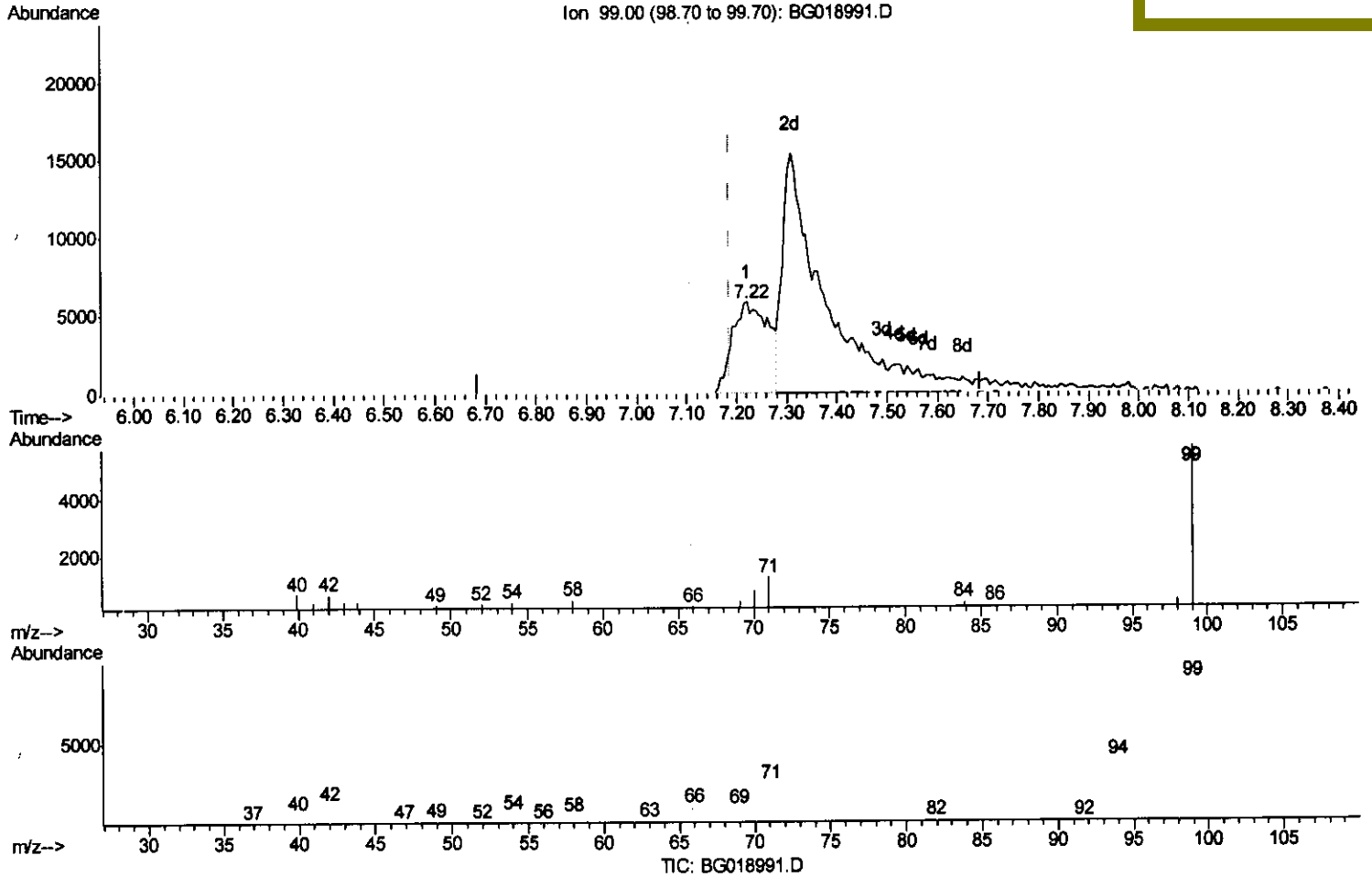
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5M22

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM



(5) Phenol-d5 (S)

7.221min (+0.036) 6.83ng/ul m  $\frac{0.1M}{1015115}$

response 29382

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 99.00 | 100   | 100    |
| 71.00 | 32.70 | 21.30# |
| 42.00 | 21.00 | 10.79# |
| 0.00  | 0.00  | 0.00   |

# Quantitation Report (Qedit)

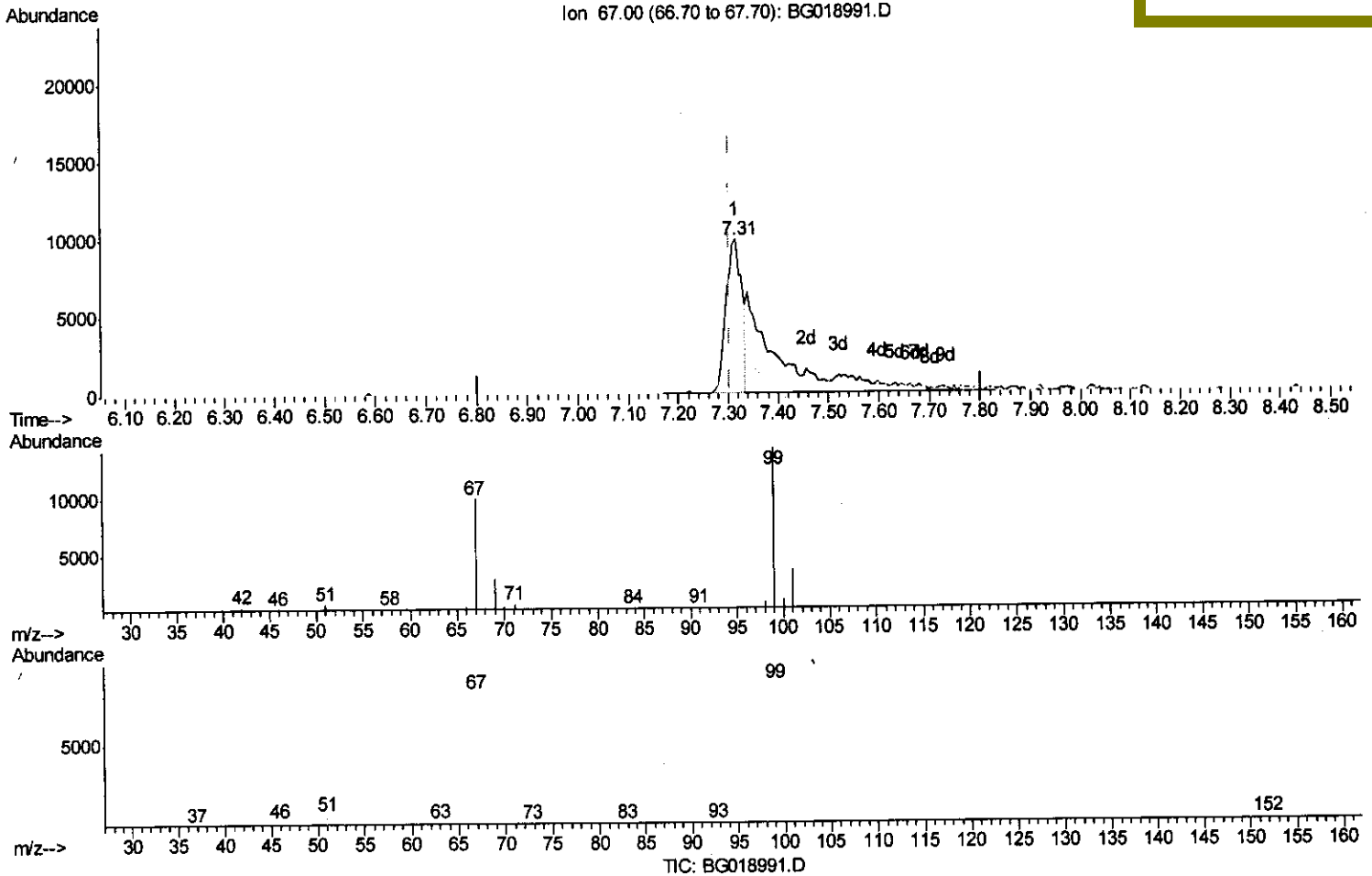
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5M22

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM



(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.315min (+0.012) 8.65ng/ul

response 21550

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 67.00 | 100    | 100     |
| 99.00 | 117.30 | 144.33# |
| 69.00 | 33.10  | 29.17   |
| 0.00  | 0.00   | 0.00    |

# Quantitation Report (Qedit)

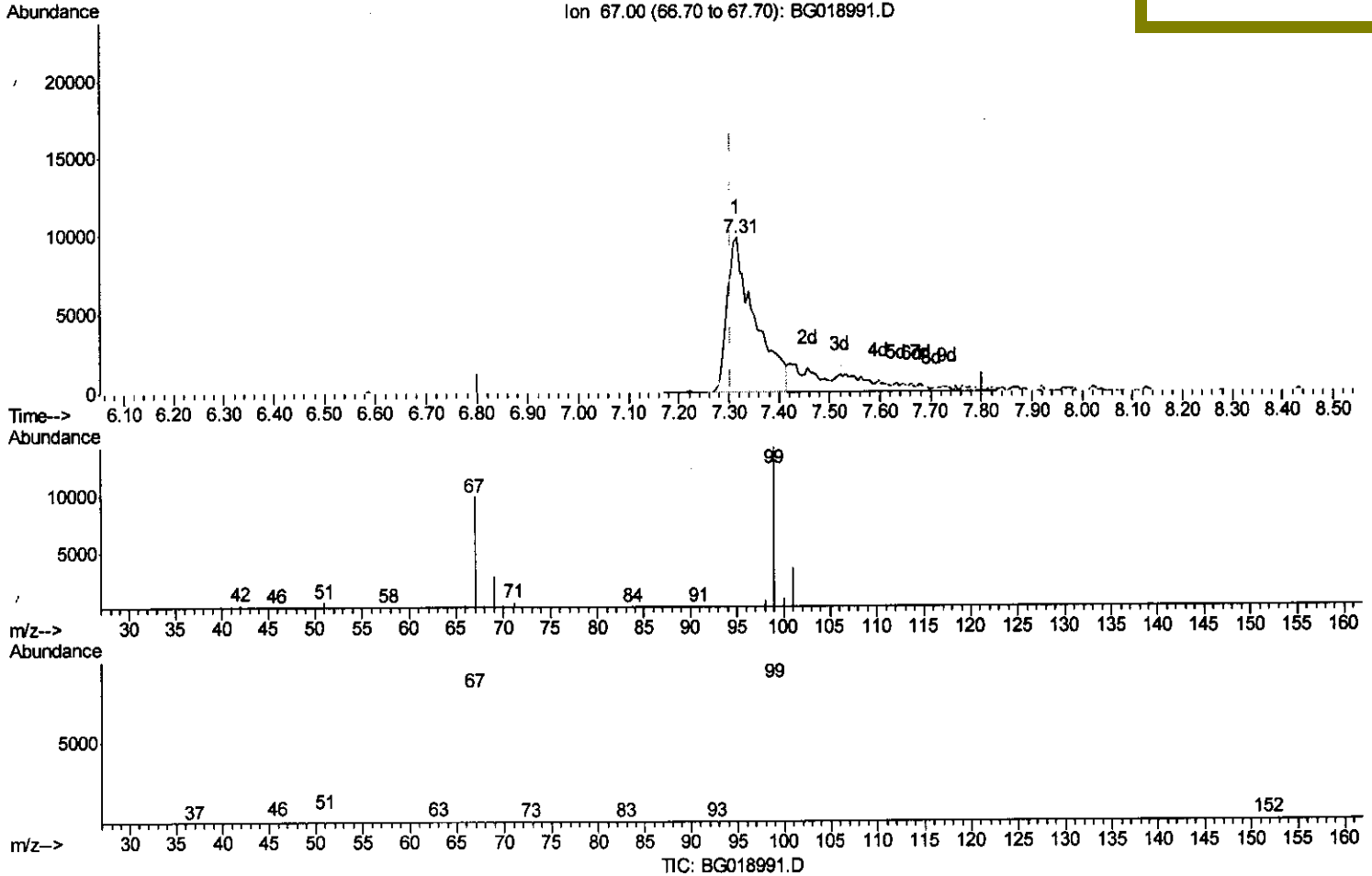
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5MZ2

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM



(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.315min (+0.012) 15.29ng/ul m

response 38107

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 67.00 | 100    | 100     |
| 99.00 | 117.30 | 144.33# |
| 69.00 | 33.10  | 29.17   |
| 0.00  | 0.00   | 0.00    |

> 0.1M  
 1015115

# Quantitation Report (Qedit)

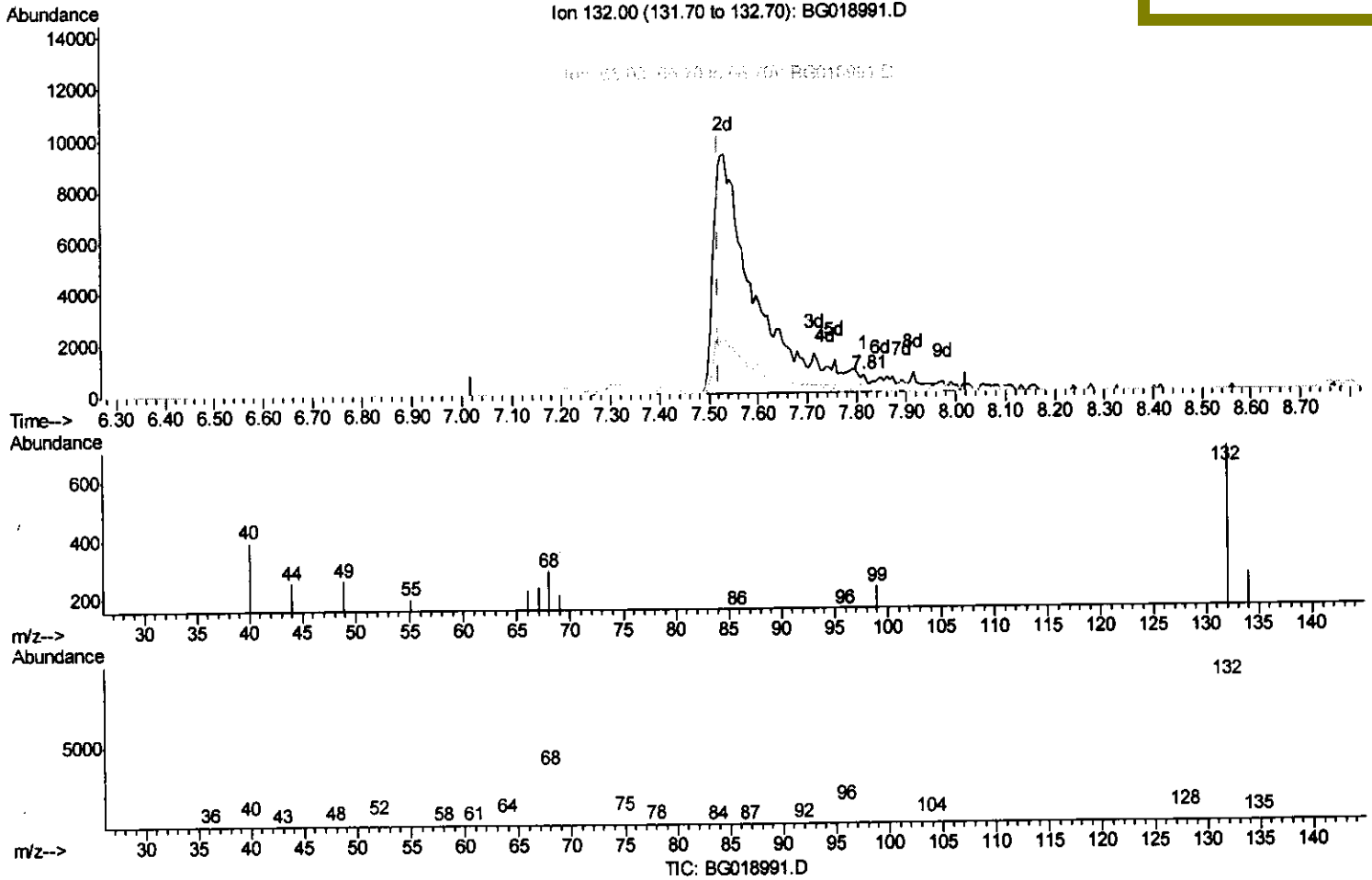
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5MZ2

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM



(9) 2-Chlorophenol-d4 (S)

7.814min (+0.294) 0.05ng/ul

response 167

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 132.00 | 100   | 100   |
| 134.00 | 33.10 | 38.52 |
| 68.00  | 41.10 | 41.51 |
| 66.00  | 28.80 | 32.24 |

# Quantitation Report (Qedit)

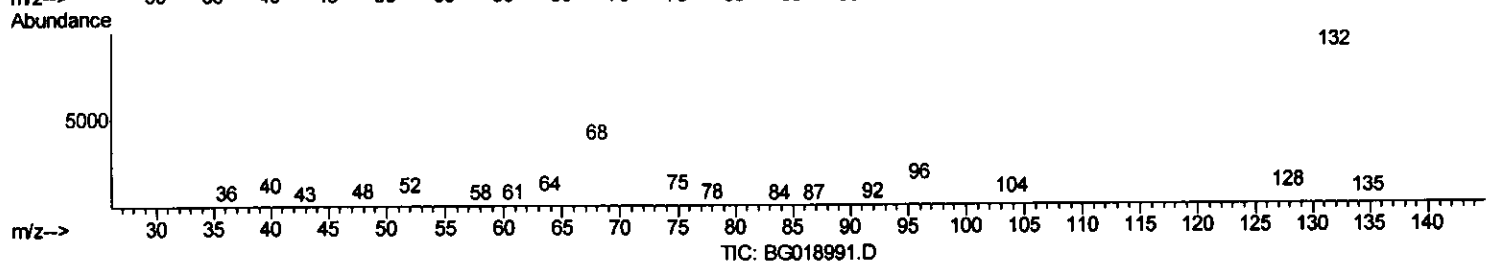
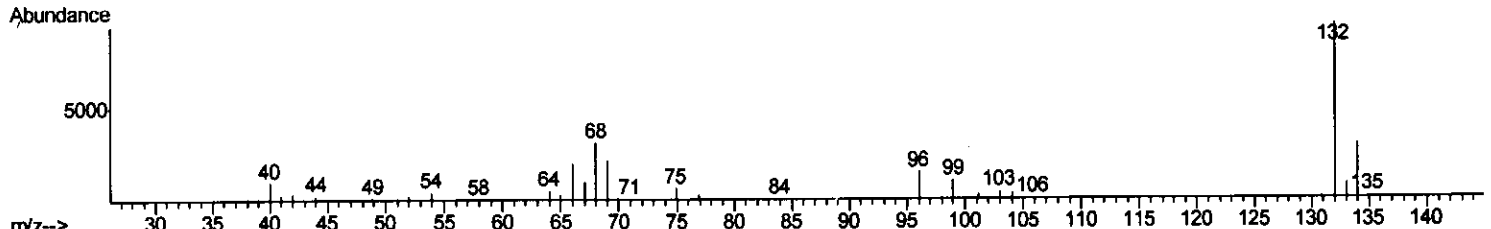
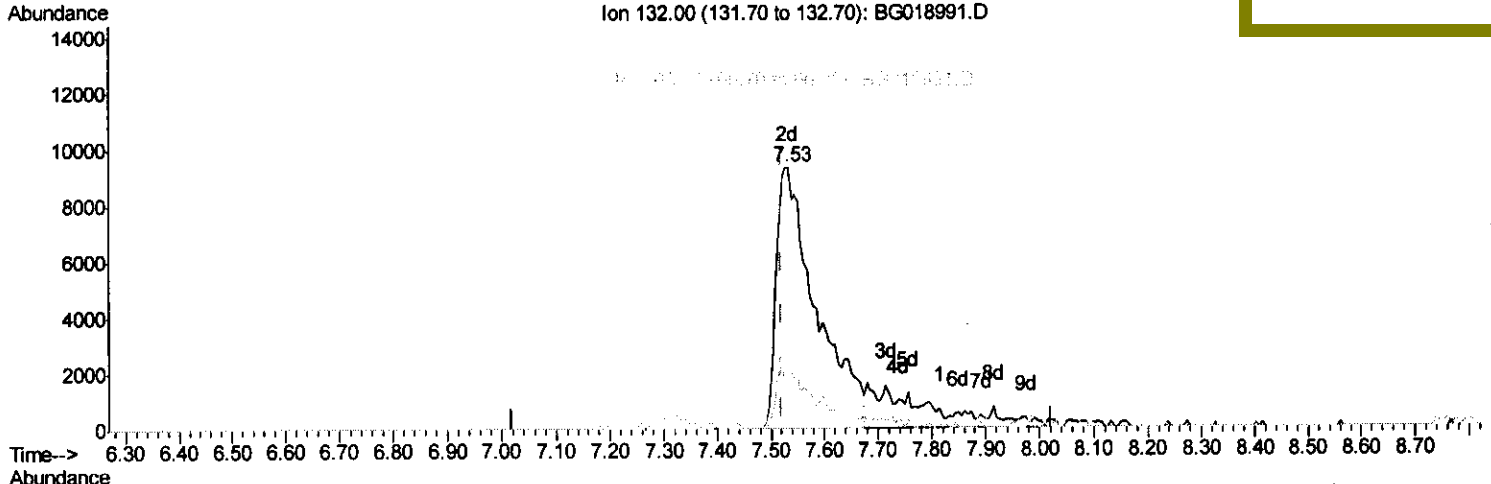
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5M22

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM



(9) 2-Chlorophenol-d4 (S)

7.532min (+0.012) 14.84ng/ul m

response 48331

*> U.M*  
*1015115*

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 132.00 | 100   | 100    |
| 134.00 | 33.10 | 32.26  |
| 68.00  | 41.10 | 33.71  |
| 66.00  | 28.80 | 21.78# |

# Quantitation Report (Qedit)

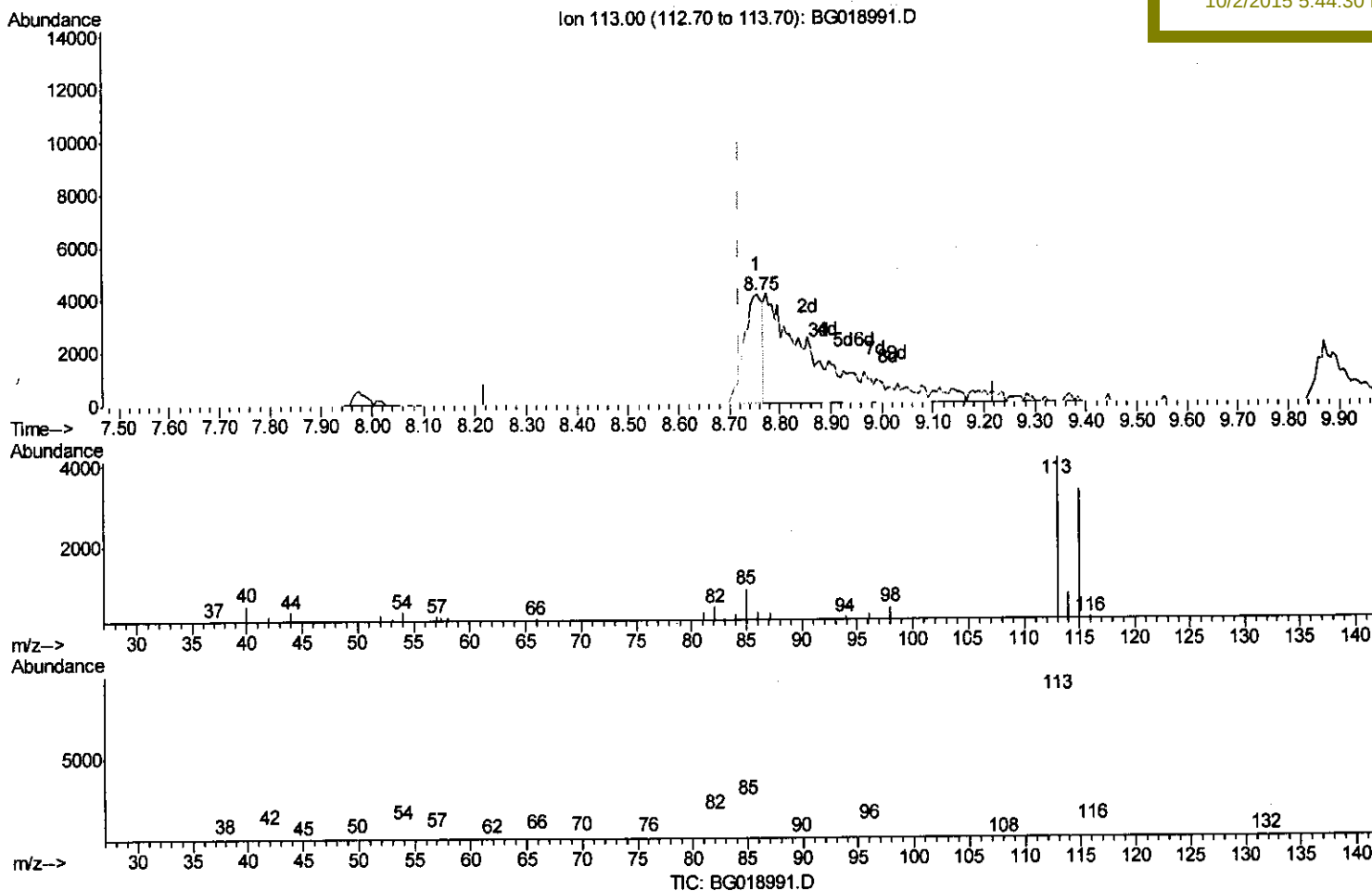
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5MZ2

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM



(13) 4-Methylphenol-d8 (S)

8.754min (+0.036) 3.01ng/ul

response 10508

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 113.00 | 100   | 100   |
| 115.00 | 92.60 | 81.22 |
| 54.00  | 13.60 | 9.01# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

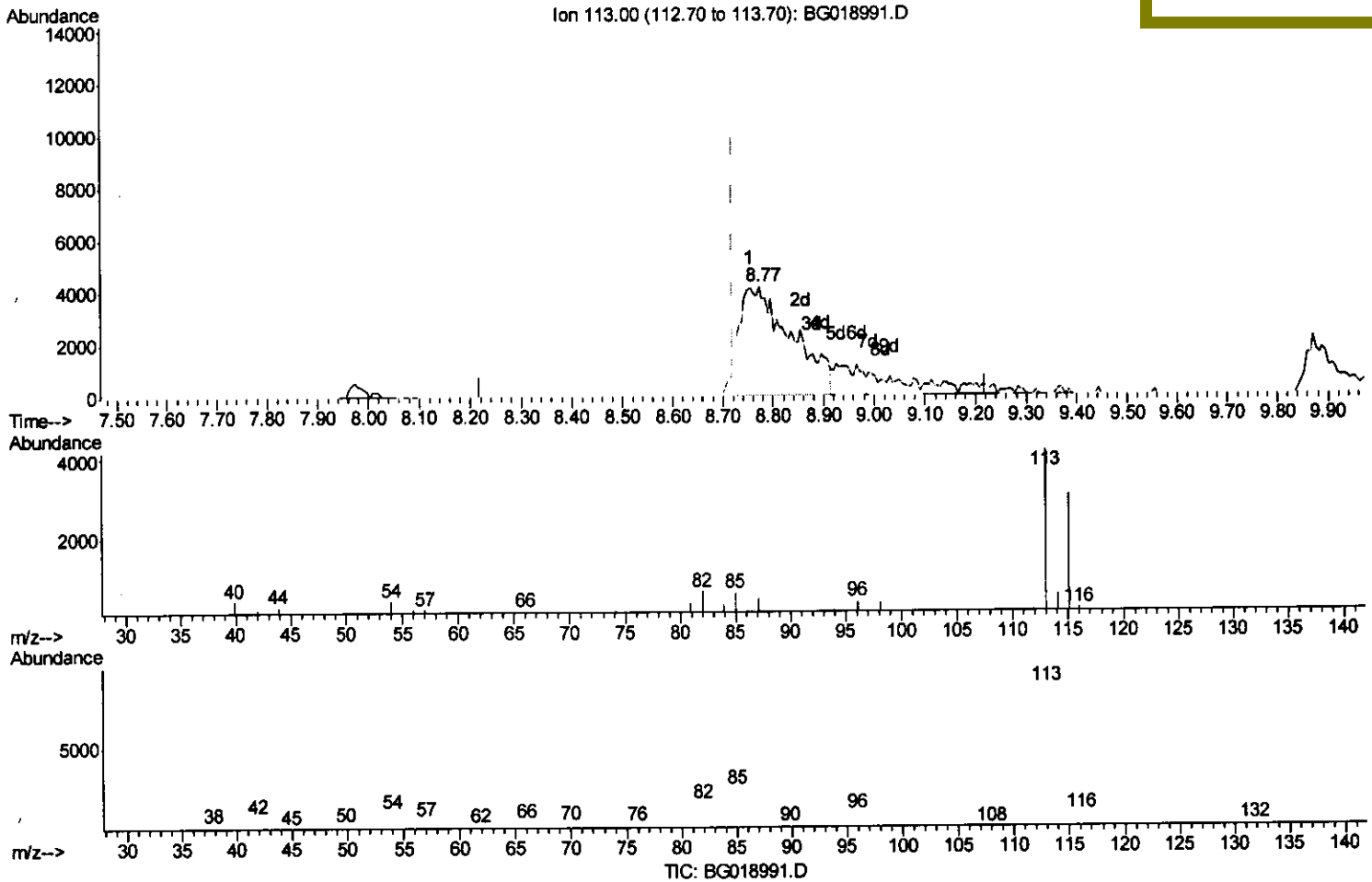
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5MZ2

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MM Dadoda  
 10/2/2015 5:44:30 PM



(13) 4-Methylphenol-d8 (S)

8.772min (+0.054) 8.78ng/ul m

response 30634

Ion Exp% Act%

|        |       |        |
|--------|-------|--------|
| 113.00 | 100   | 100    |
| 115.00 | 92.60 | 72.78# |
| 54.00  | 13.60 | 10.96  |
| 0.00   | 0.00  | 0.00   |

> 0.1M  
 10/15/15

# Quantitation Report (Qedit)

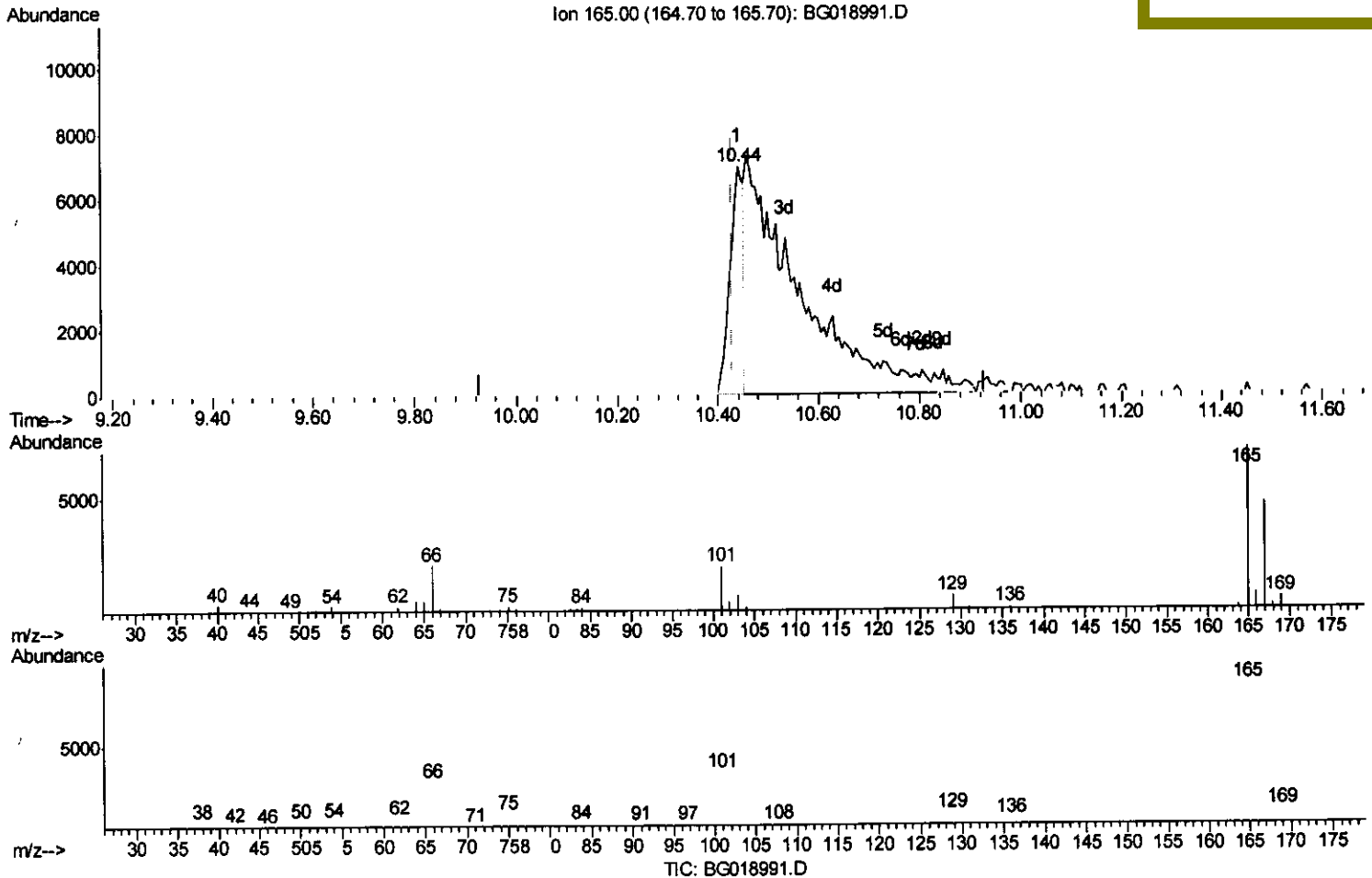
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampled :  
 E5MZ2

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM



(26) 2,4-Dichlorophenol-d3 (S)

10.441min (+0.012) 3.79ng/ul

response 13317

| ion    | Exp%  | Act%  |
|--------|-------|-------|
| 165.00 | 100   | 100   |
| 167.00 | 61.90 | 66.24 |
| 101.00 | 34.70 | 29.38 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

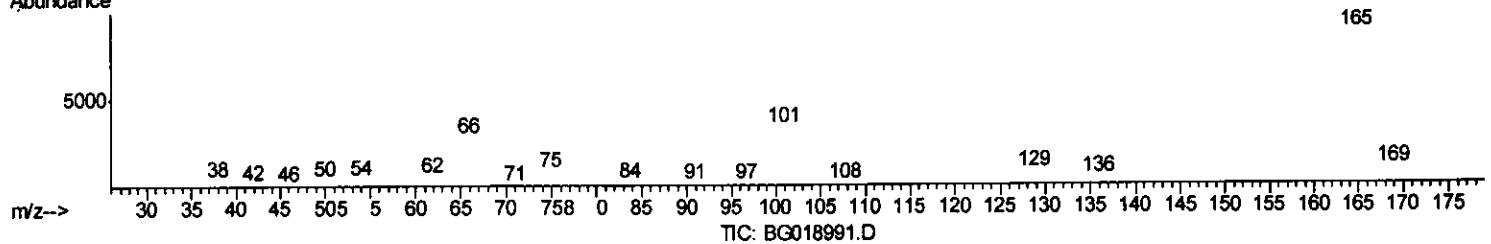
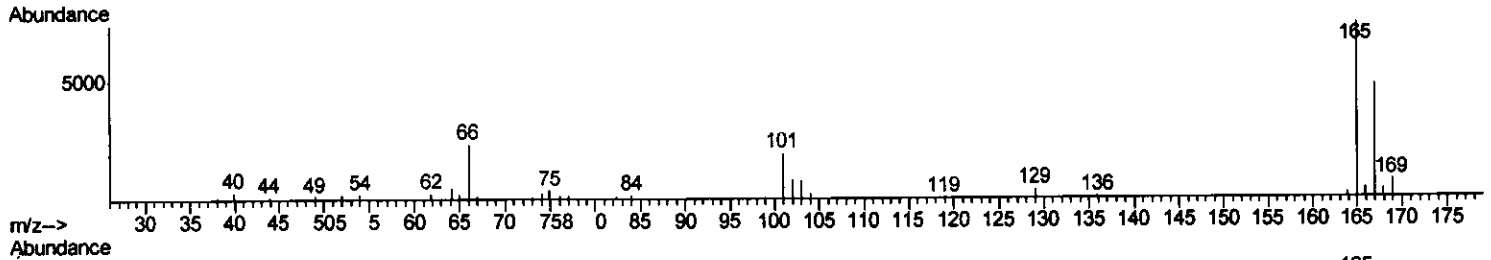
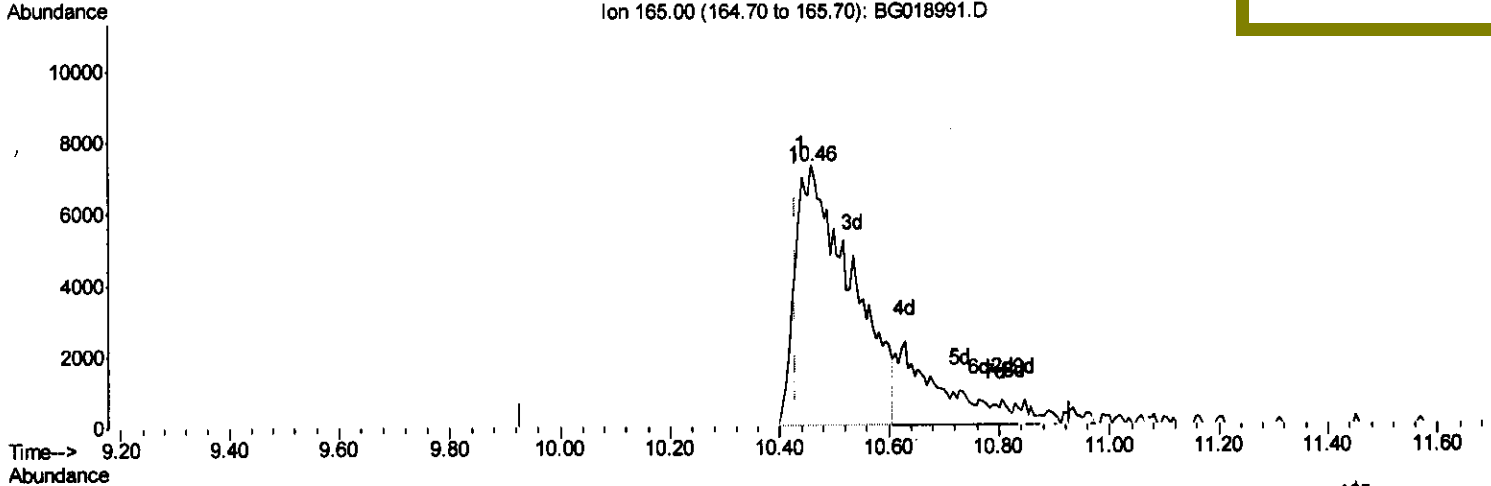
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5MZ2

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration



(26) 2,4-Dichlorophenol-d3 (S)

10.458min (+0.030) 14.88ng/ul m

response 52211

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 165.00 | 100   | 100   |
| 167.00 | 61.90 | 65.28 |
| 101.00 | 34.70 | 28.03 |
| 0.00   | 0.00  | 0.00  |

} U.M  
 10/5/15

# Quantitation Report (Qedit)

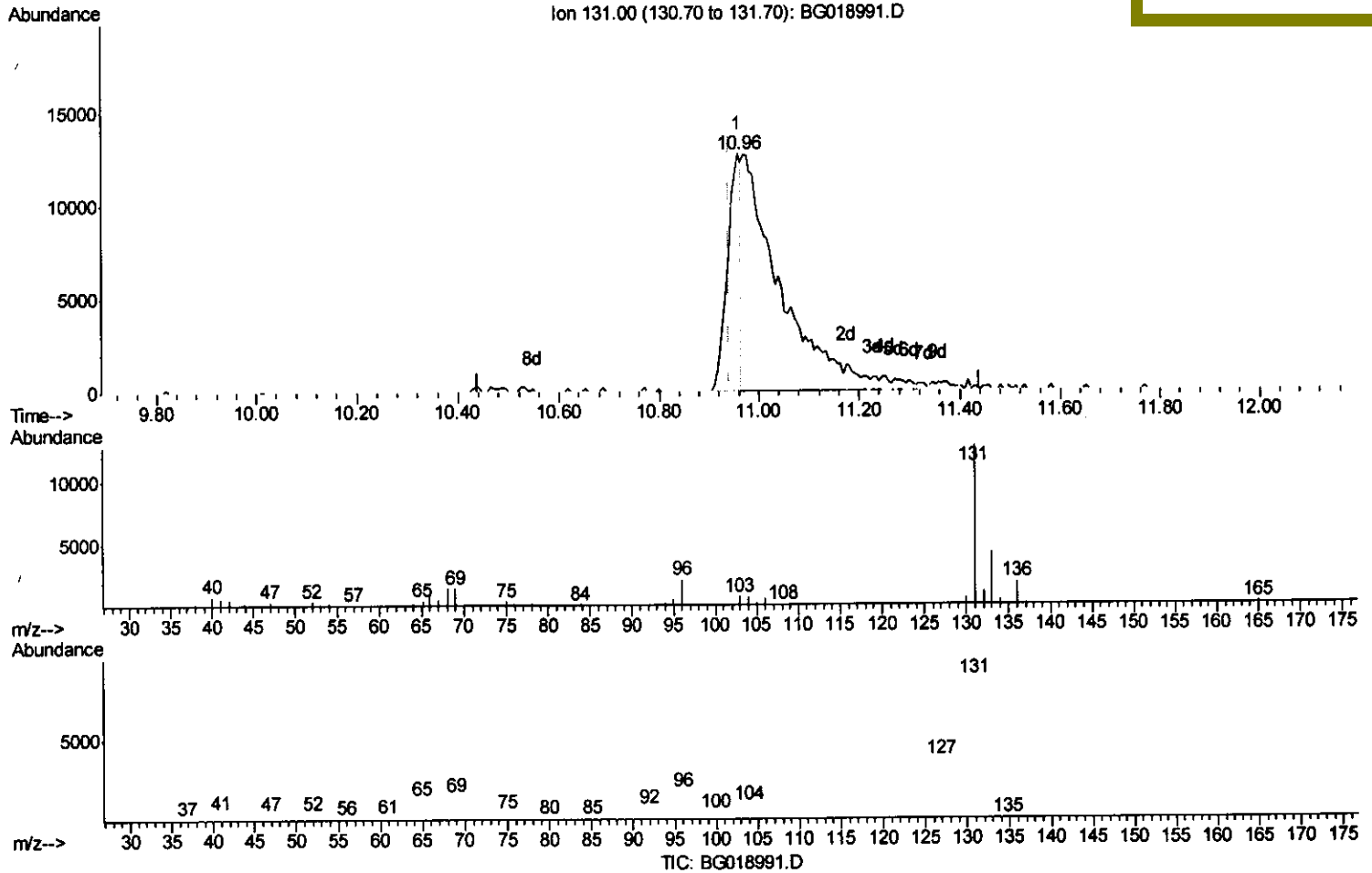
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5MZ2

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM



(29) 4-Chloroaniline-d4 (S)

10.958min (+0.018) 5.89ng/ul

response 24031

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 32.00 | 33.69  |
| 69.00  | 18.90 | 11.92# |
| 0.00   | 0.00  | 0.00   |

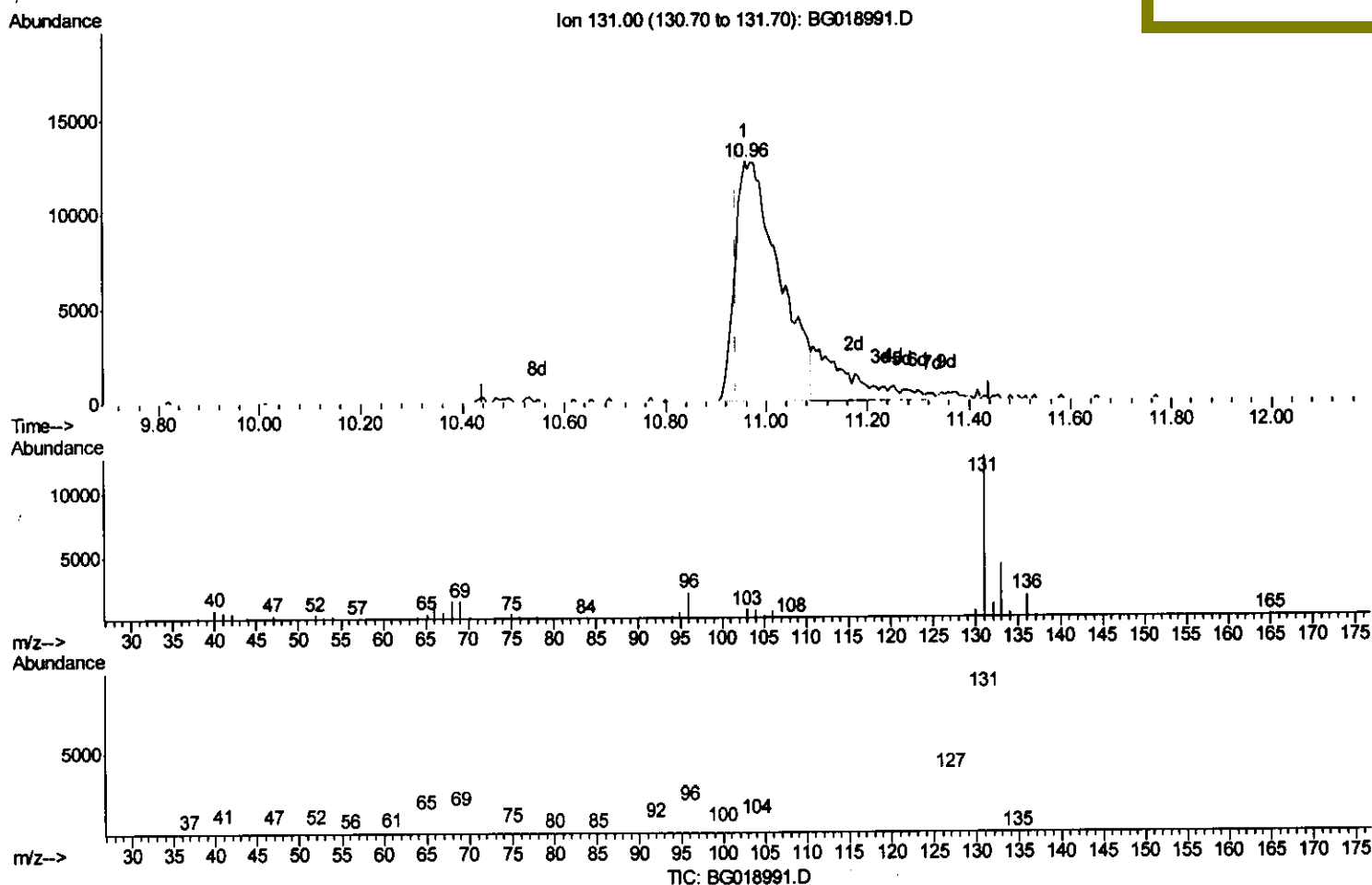
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
Data File : BG018991.D  
Acq On : 1 Oct 2015 22:41  
Operator : UM/NP  
Sample : G3865-16  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
E5MZ2

Quant Time: Oct 02 12:55:17 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 02 11:51:49 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
10/2/2015 5:44:30 PM



(29) 4-Chloroaniline-d4 (S)

10.958min (+0.018) 18.93ng/ul m

response 77270

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 32.00 | 33.69  |
| 69.00  | 18.90 | 11.92# |
| 0.00   | 0.00  | 0.00   |

> U.M  
1015115

# Quantitation Report (Qedit)

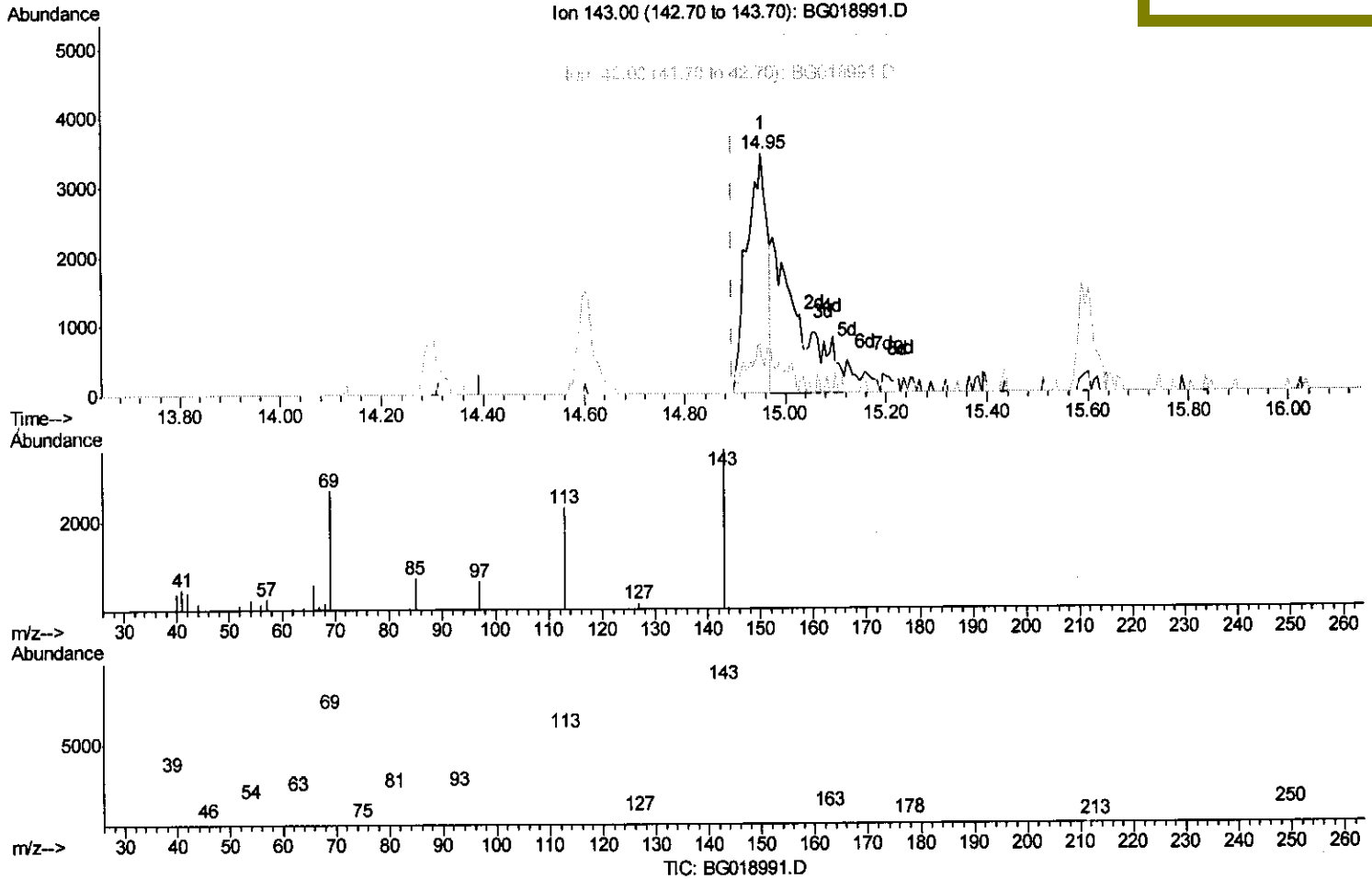
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5MZ2

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM



(52) 4-Nitrophenol-d4 (S)

14.953min (+0.059) 4.06ng/ul

response 9841

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 143.00 | 100   | 100    |
| 113.00 | 83.50 | 65.36# |
| 41.00  | 51.70 | 17.16# |
| 42.00  | 30.70 | 14.96# |

# Quantitation Report (Qedit)

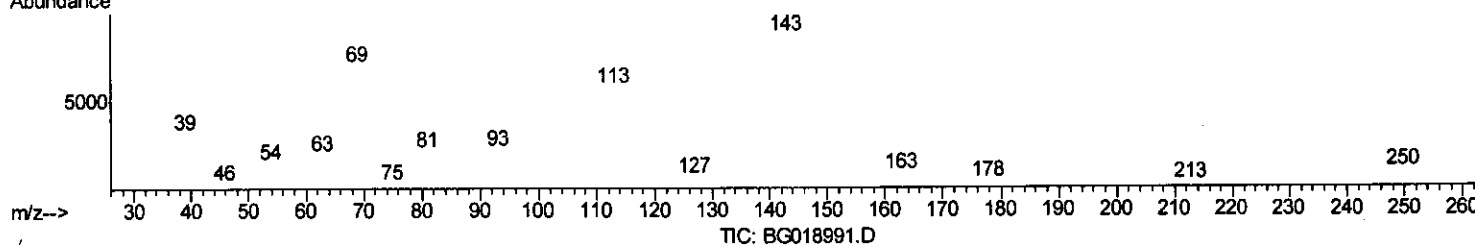
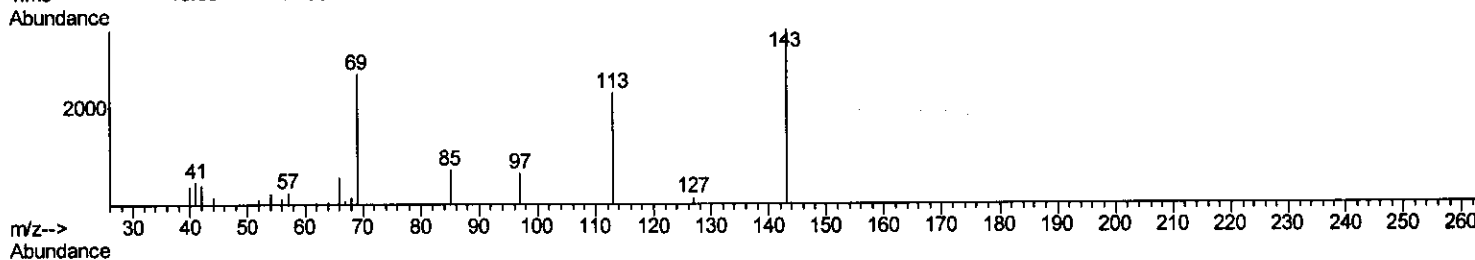
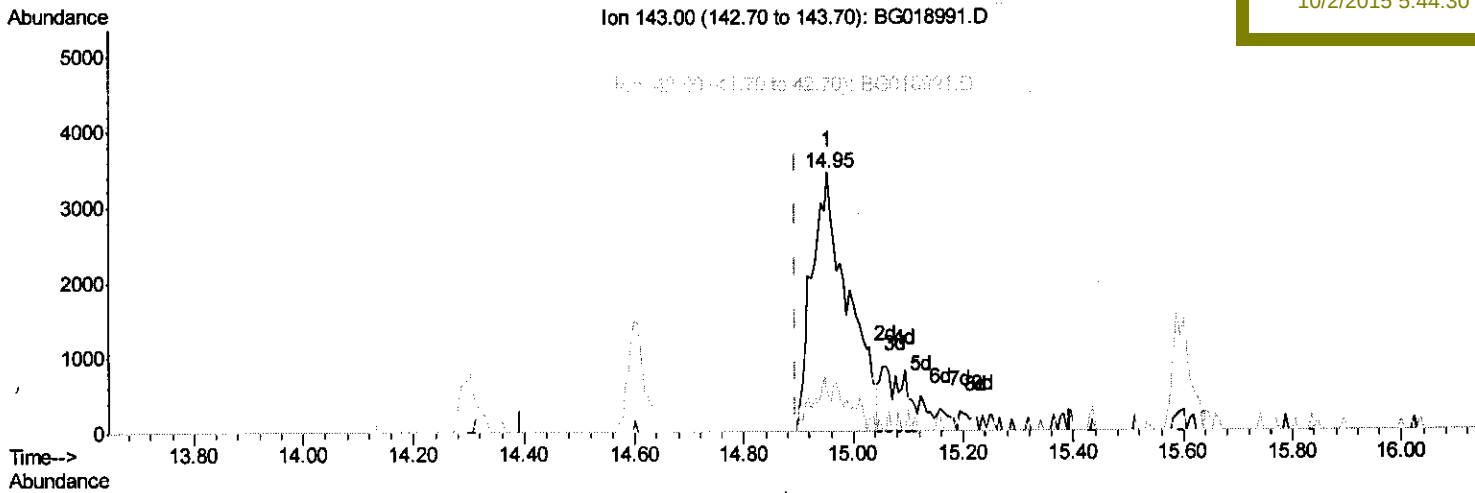
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5M22

Quant Time: Oct 02 12:55:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM



(52) 4-Nitrophenol-d4 (S)

14.953min (+0.059) 6.55ng/ul m

response 15864

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 143.00 | 100   | 100    |
| 113.00 | 83.50 | 65.36# |
| 41.00  | 51.70 | 17.16# |
| 42.00  | 30.70 | 14.96# |

> U.M  
 10.15115

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100215\  
 Data File : BG018991.D  
 Acq On : 1 Oct 2015 22:41  
 Operator : UM/NP  
 Sample : G3865-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5MZ2

Quant Time: Oct 02 12:58:26 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 11:51:49 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 5:44:30 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.97  | 152  | 52359    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.78 | 136  | 218751   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.60 | 164  | 156823   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.35 | 188  | 408566   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.60 | 240  | 495310   | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 24.78 | 264  | 502439   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.40  | 96  | 3407   | 3.13  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.22  | 99  | 29382m | 6.83  | ng/ul | 0.04  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.31  | 67  | 38107m | 15.29 | ng/ul | 0.01  |
| 9) 2-Chlorophenol-d4           | 7.53  | 132 | 48331m | 14.84 | ng/ul | 0.01  |
| 13) 4-Methylphenol-d8          | 8.77  | 113 | 30634m | 8.78  | ng/ul | 0.05  |
| 19) Nitrobenzene-d5            | 9.15  | 128 | 29688  | 17.91 | ng/ul | 0.01  |
| 22) 2-Nitrophenol-d4           | 9.87  | 143 | 29100  | 17.46 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.46 | 165 | 52211m | 14.88 | ng/ul | 0.03  |
| 29) 4-Chloroaniline-d4         | 10.96 | 131 | 77270m | 18.93 | ng/ul | 0.02  |
| 44) Dimethylphthalate-d6       | 14.00 | 166 | 231566 | 18.35 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.30 | 160 | 300617 | 20.10 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.95 | 143 | 15864m | 6.55  | ng/ul | 0.06  |
| 58) Fluorene-d10               | 15.60 | 176 | 221713 | 20.09 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.73 | 200 | 16186  | 8.37  | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.44 | 188 | 373602 | 20.77 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.73 | 212 | 448612 | 19.69 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 24.55 | 264 | 485939 | 19.87 | ng/ul | -0.02 |

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| Target Compounds      | R.T.  | QIon | Response | Conc | Units | Qvalue |
|-----------------------|-------|------|----------|------|-------|--------|
| 45) Dimethylphthalate | 14.05 | 163  | 119965   | 9.81 | ng/ul | 98     |

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