

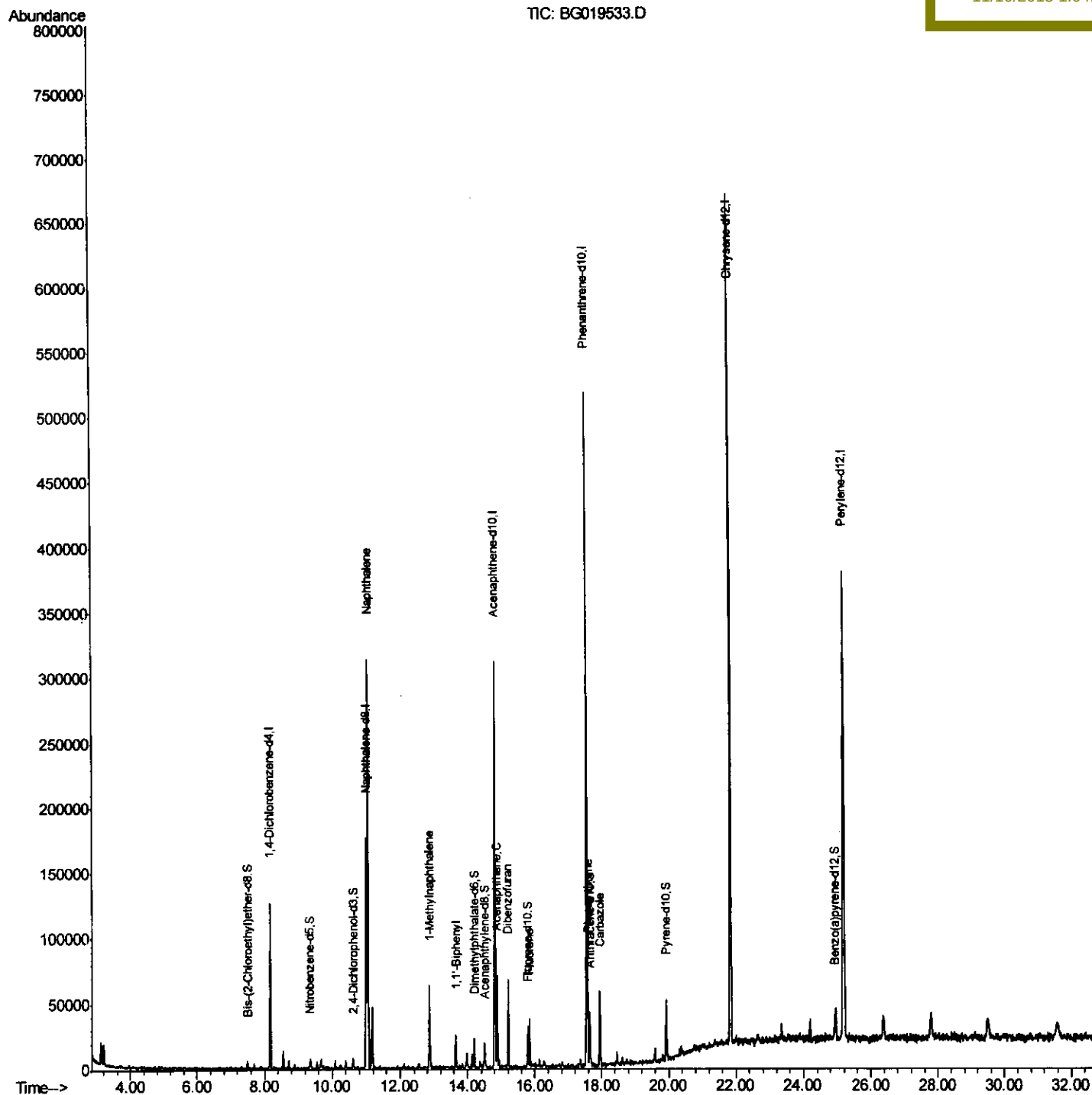
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG110915\  
Data File : BG019533.D  
Acq On : 9 Nov 2015 15:15  
Operator : UM/NP  
Sample : G4245-15DL 20X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BCY50DL

Quant Time: Nov 10 09:05:20 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102815.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Nov 10 00:14:14 2015  
Response via : Initial Calibration

Manual Integrations  
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Data Path : Z:\HPCHEM1\BNA G\DATA\BG110915\  
 Data File : BG019533.D  
 Acq On : 9 Nov 2015 15:15  
 Operator : UM/NP  
 Sample : G4245-15DL 20X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BCY50DL

Quant Time: Nov 17 16:29:59 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 31784    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 132648   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.81 | 164  | 104544   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.54 | 188  | 310294   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.83 | 240  | 414027   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.18 | 264  | 393895   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |       |
|--------------------------------|-------|-----|--------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.48  | 96  | 233    | 0.35 | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.33  | 99  | 249    | 0.09 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.49  | 67  | 3083   | 1.67 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.70  | 132 | 1748   | 0.96 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.88  | 113 | 898    | 0.39 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.34  | 128 | 1270m  | 1.30 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.08 | 143 | 766    | 0.66 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.61 | 165 | 3126   | 1.25 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.15 | 131 | 428m   | 0.17 | ng/ul | 0.01  |
| 44) Dimethylphthalate-d6       | 14.20 | 166 | 13362  | 1.55 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.50 | 160 | 13261  | 1.39 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 15.01 | 143 | 198    | 0.14 | ng/ul | 0.02  |
| 58) Fluorene-d10               | 15.79 | 176 | 12474  | 1.56 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.91 | 200 | 589    | 0.29 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.64 | 188 | 21976  | 1.55 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.92 | 212 | 24322  | 1.34 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 24.92 | 264 | 25938m | 1.31 | ng/ul | -0.02 |

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| Target Compounds  | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-------------------|-------|------|----------|-------|--------|--------|
| 28) Naphthalene   | 11.05 | 128  | 235468   | 35.48 | ng/ul  | 96     |
| 41) 1,1'-Biphenyl | 13.64 | 154  | 13220    | 1.79  | ng/ul# | 94     |
| 50) Acenaphthene  | 14.87 | 153  | 28152    | 4.26  | ng/ul  | 91     |
| 54) Dibenzofuran  | 15.20 | 168  | 40267    | 4.14  | ng/ul  | 97     |
| 59) Fluorene      | 15.85 | 166  | 15312    | 1.80  | ng/ul# | 79     |
| 70) Phenanthrene  | 17.59 | 178  | 40687    | 2.60  | ng/ul  | 98     |
| 75) Carbazole     | 17.94 | 167  | 35889    | 2.82  | ng/ul# | 97     |

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

# Quantitation Report (Qedit)

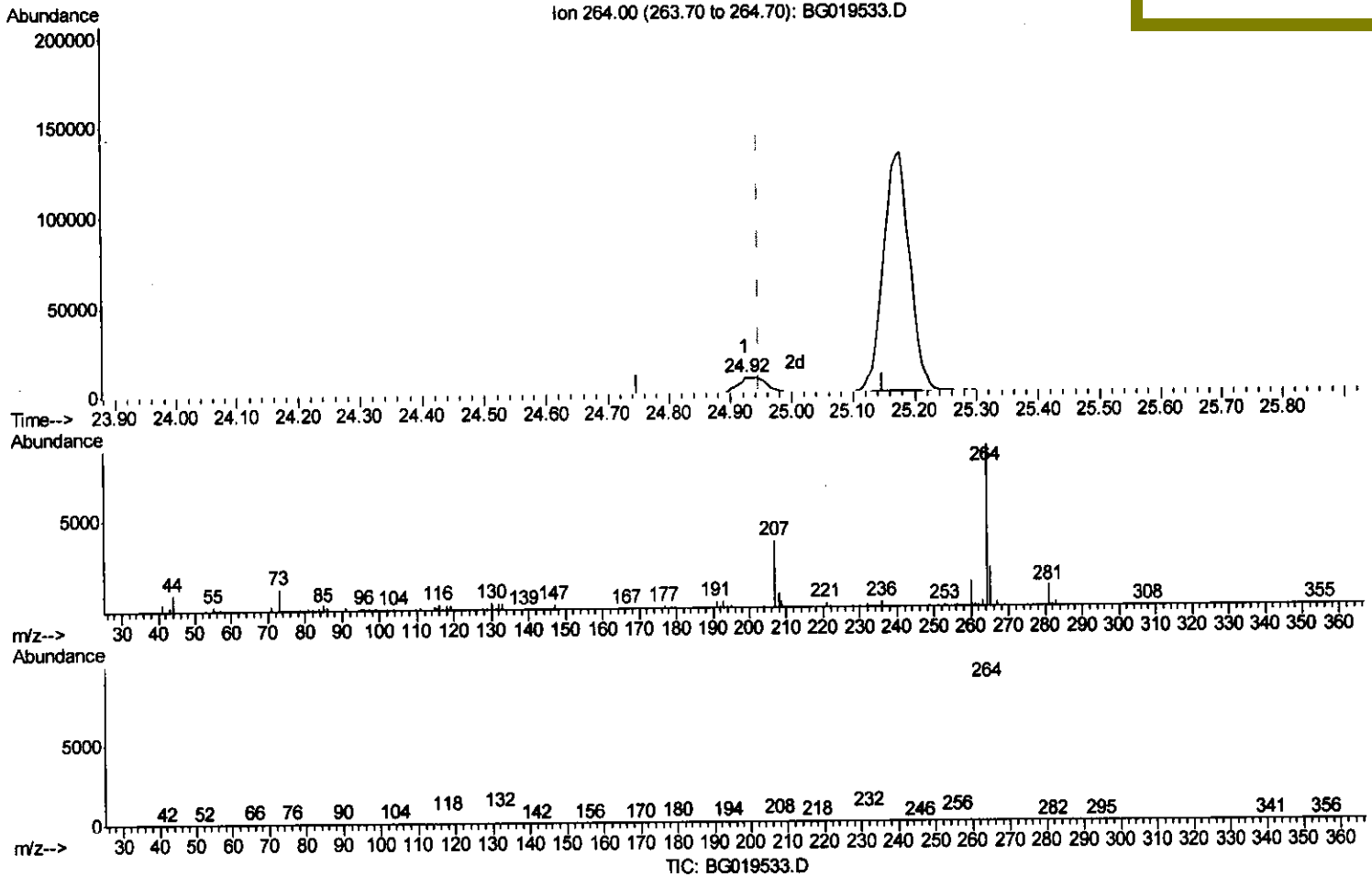
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG110915\  
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 Operator : UM/NP  
 Sample : G4245-15DL 20X  
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 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BCY50DL

Quant Time: Nov 10 00:48:07 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 10 00:14:14 2015  
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Manual Integrations  
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(90) Benzo(a)pyrene-d12 (S)  
 24.924min (-0.023) 1.31ng/ul m  
 response 25938  

| Ion    | Exp% | Act% |
|--------|------|------|
| 264.00 | 100  | 100  |
| 132.00 | 4.80 | 5.09 |
| 118.00 | 4.50 | 4.57 |
| 0.00   | 0.00 | 0.00 |

*U.M.*  
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# Quantitation Report (Qedit)

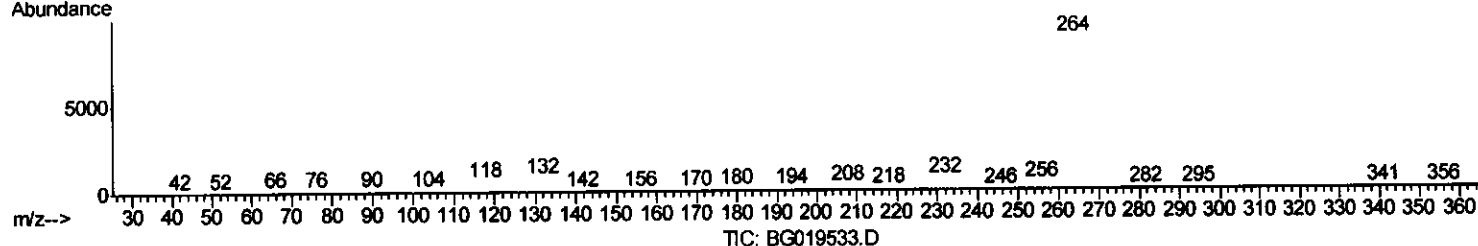
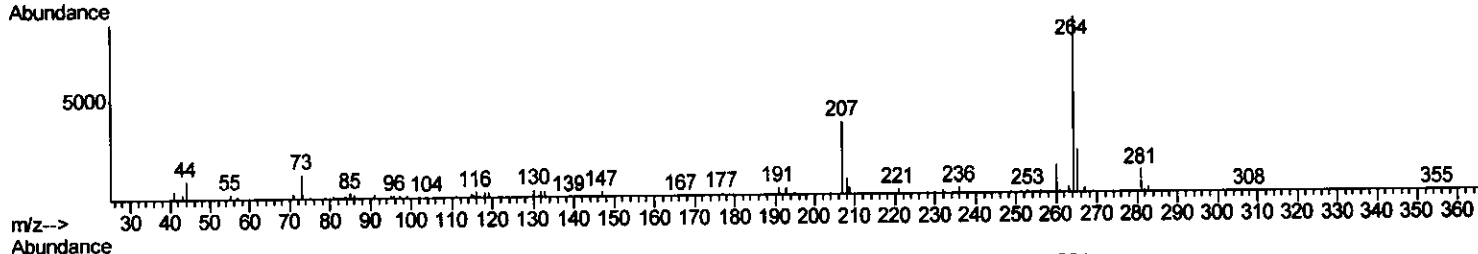
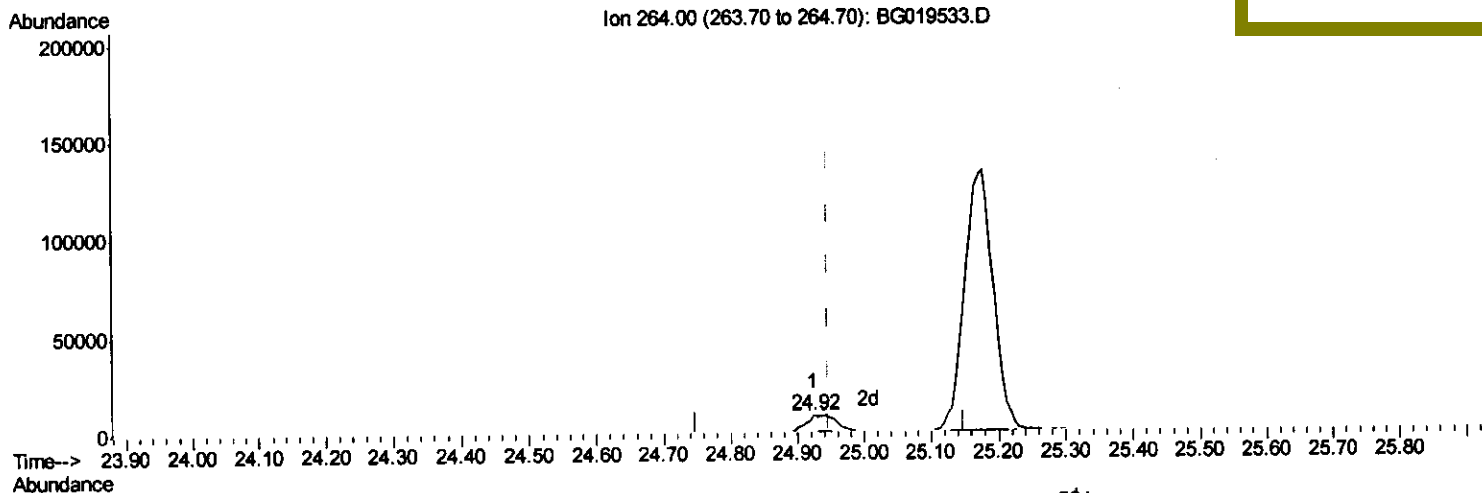
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG110915\  
 Data File : BG019533.D  
 Acq On : 9 Nov 2015 15:15  
 Operator : UM/NP  
 Sample : G4245-15DL 20X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BCY50DL

Quant Time: Nov 10 00:48:07 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102815.M  
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Manual Integrations  
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(90) Benzo(a)pyrene-d12 (S)

24.924min (-0.023) 0.58ng/ul

response 11528

| Ion    | Exp% | Act% |
|--------|------|------|
| 264.00 | 100  | 100  |
| 132.00 | 4.80 | 5.09 |
| 118.00 | 4.50 | 4.57 |
| 0.00   | 0.00 | 0.00 |

## Quantitation Report (Qedit)

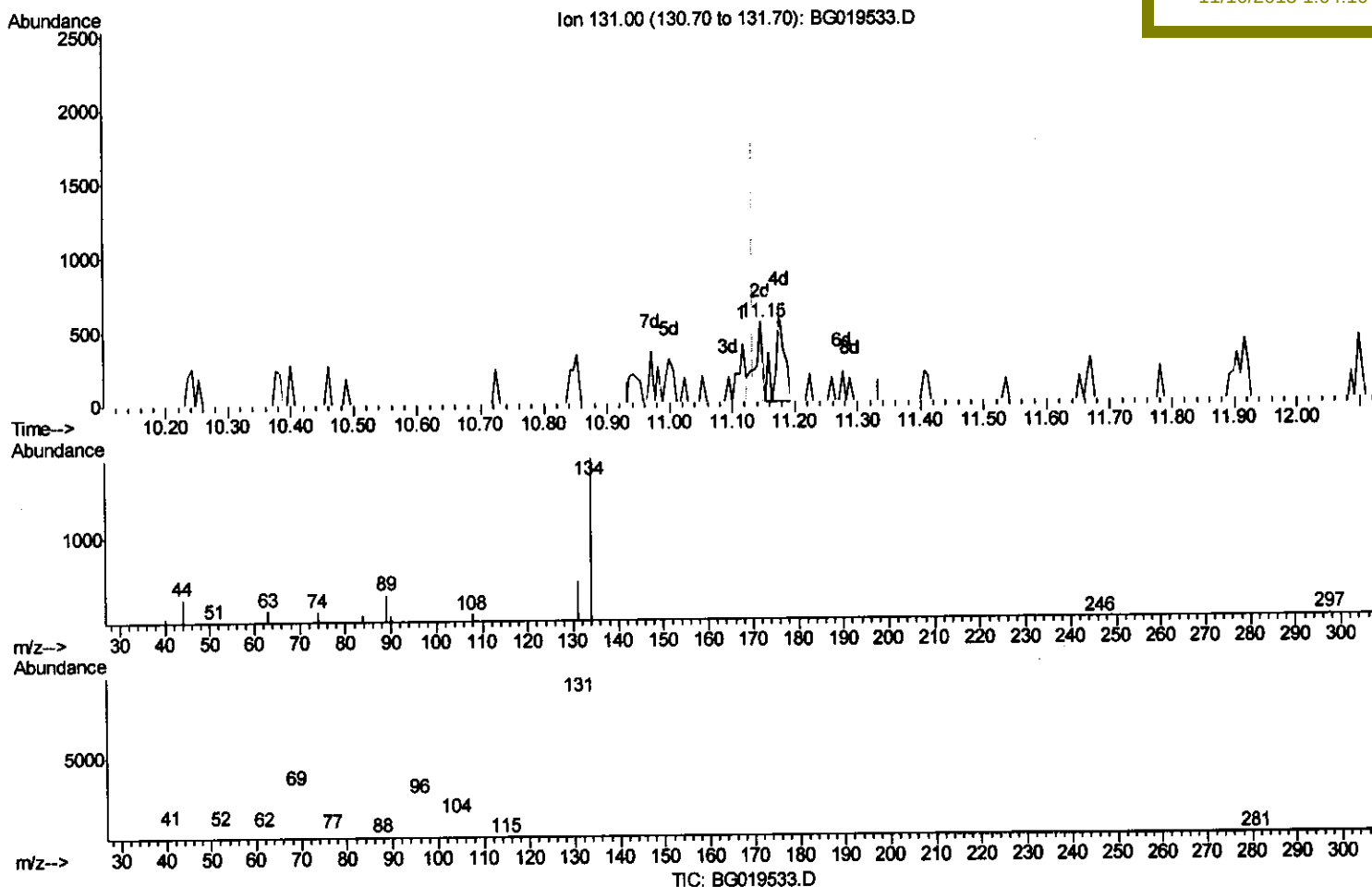
Data Path : Z:\HPCHEM1\BNA G\Data\BG110915\  
Data File : BG019533.D  
Acq On : 9 Nov 2015 15:15  
Operator : UM/NP  
Sample : G4245-15DL 20X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BCY50DL

Quant Time: Nov 10 00:17:04 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Nov 10 00:14:14 2015  
Response via : Initial Calibration

Manual Integrations  
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(29) 4-Chloroaniline-d4 (S)

11.146min (+0.012) 0.17ng/ul m

response 428

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 29.30 | 0.00# |
| 69.00  | 23.70 | 0.00# |
| 0.00   | 0.00  | 0.00  |

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## Quantitation Report (Qedit)

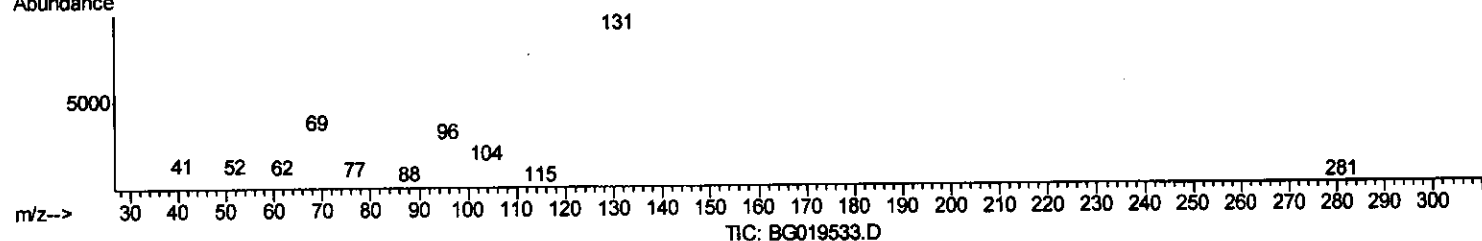
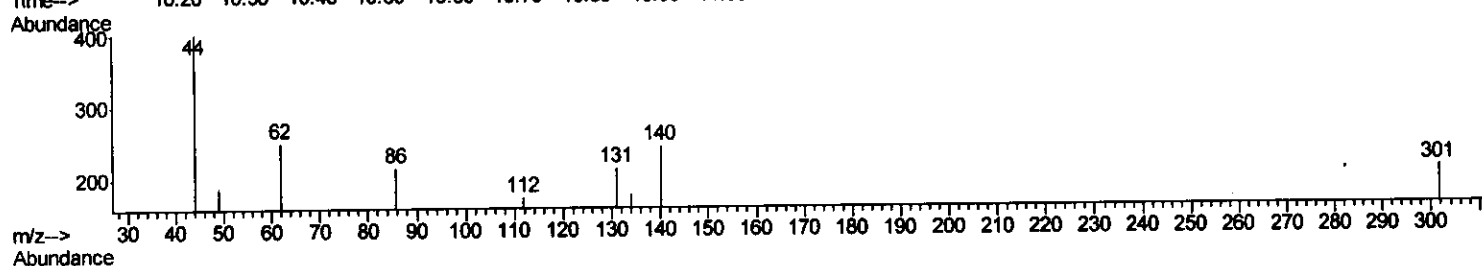
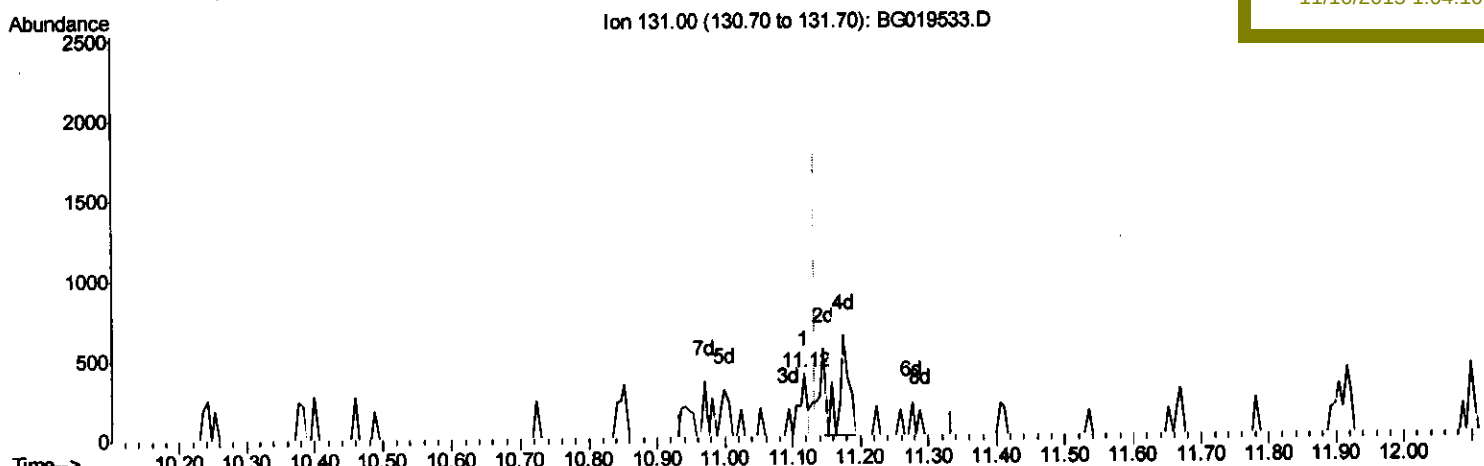
Data Path : Z:\HPCHEM1\BNA G\Data\BG110915\  
Data File : BG019533.D  
Acq On : 9 Nov 2015 15:15  
Operator : UM/NP  
Sample : G4245-15DL 20X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
Client Sampled :  
BCY50DL

Quant Time: Nov 10 00:17:04 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Nov 10 00:14:14 2015  
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Manual Integrations  
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(29) 4-Chloroaniline-d4 (S)

11.117min (-0.017) 0.13ng/ul

response 331

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 29.30 | 0.00# |
| 69.00  | 23.70 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

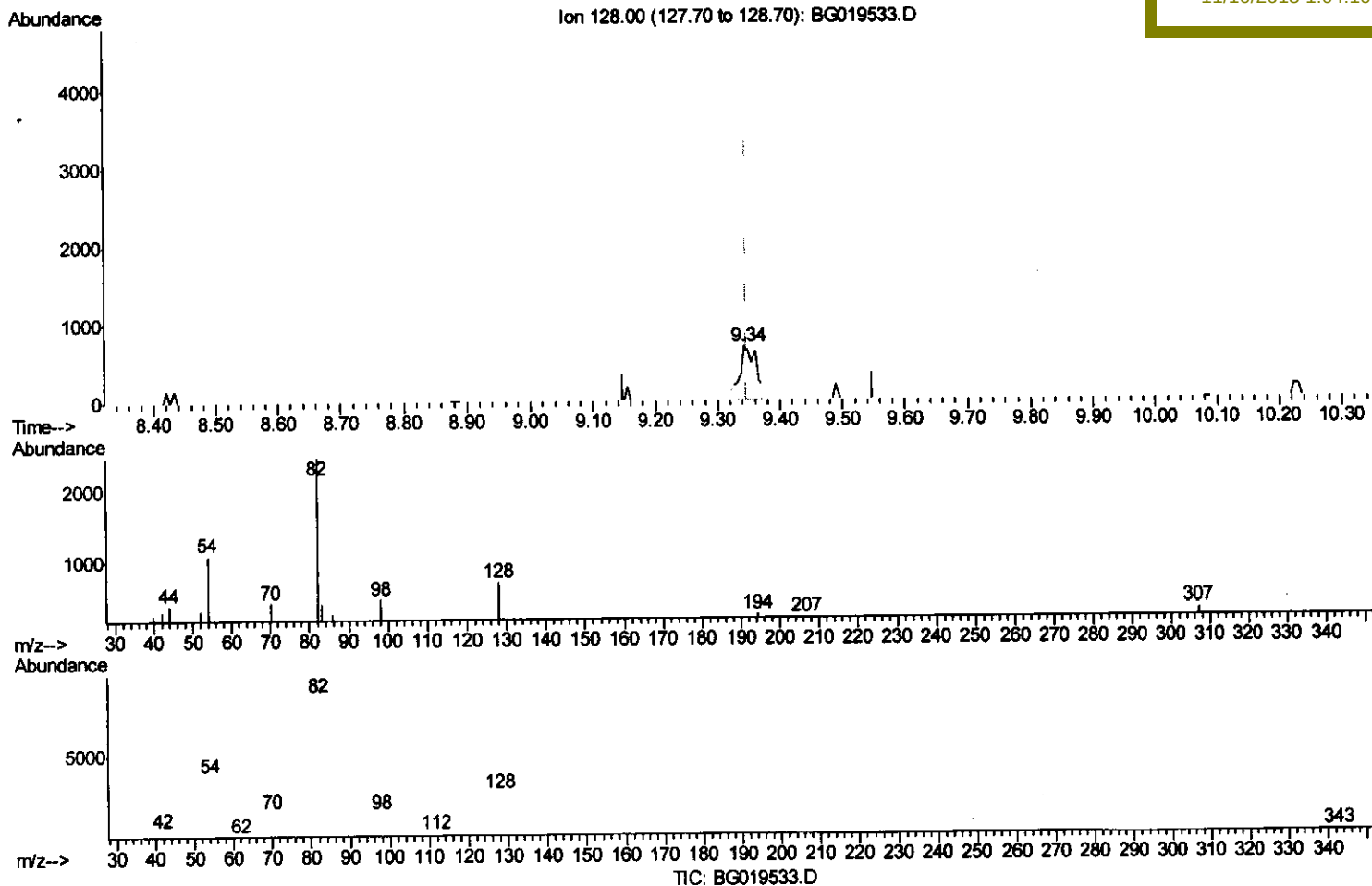
Data Path : Z:\HPCHEM1\BNA G\Data\BG110915\  
 Data File : BG019533.D  
 Acq On : 9 Nov 2015 15:15  
 Operator : UM/NP  
 Sample : G4245-15DL 20X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BCY50DL

Quant Time: Nov 10 00:17:04 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
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Manual Integrations  
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(19) Nitrobenzene-d5 (S)

9.343min (-0.005) 1.30ng/ul m

response 1270

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100    | 100    |
| 82.00  | 333.00 | 360.67 |
| 54.00  | 138.70 | 156.60 |
| 0.00   | 0.00   | 0.00   |

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# Quantitation Report (Qedit)

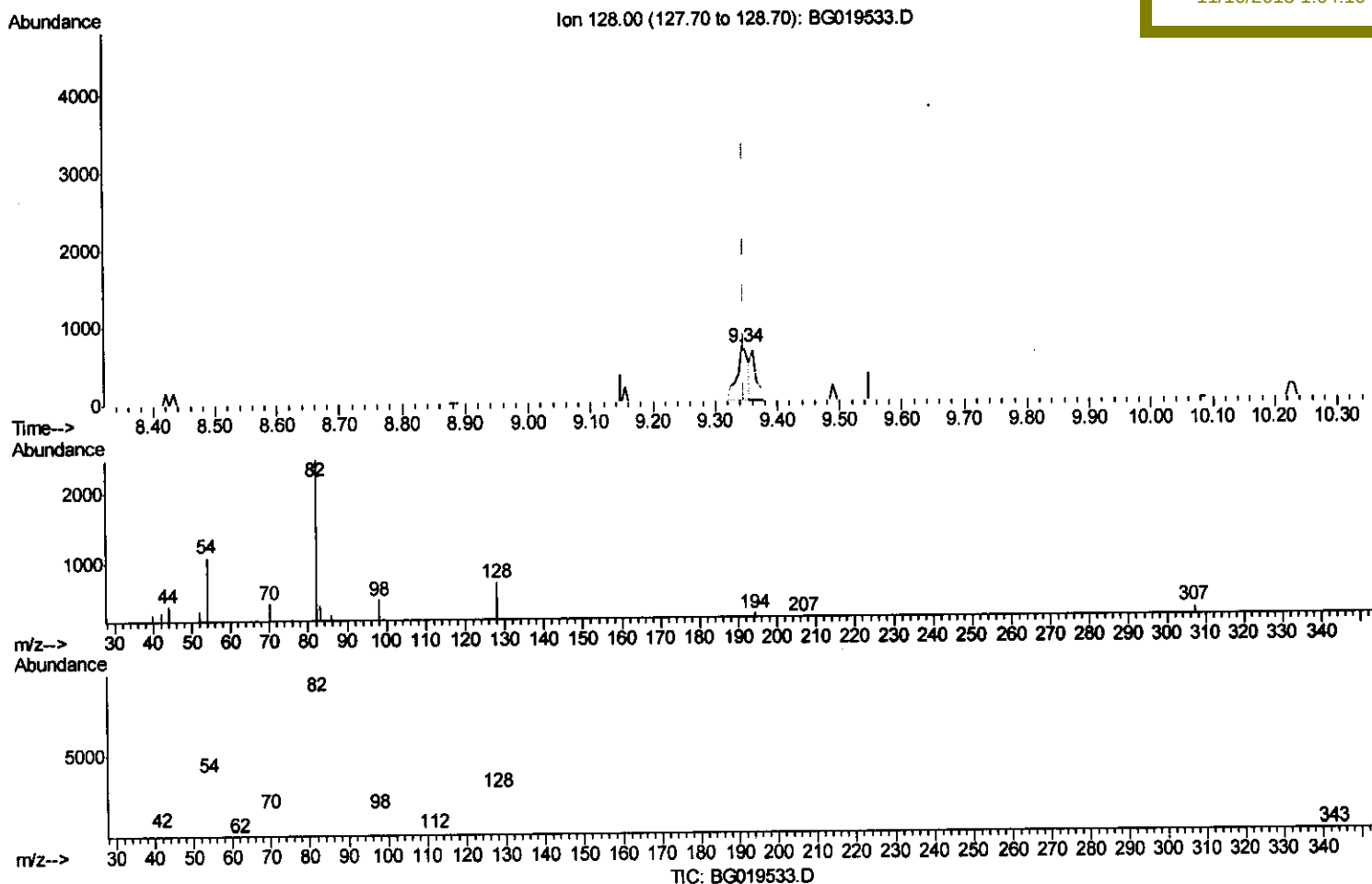
Data Path : Z:\HPCHEM1\BNA G\Data\BG110915\  
 Data File : BG019533.D  
 Acq On : 9 Nov 2015 15:15  
 Operator : UM/NP  
 Sample : G4245-15DL 20X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BCY50DL

Quant Time: Nov 10 00:17:04 2015  
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Manual Integrations  
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(19) Nitrobenzene-d5 (S)

9.343min (-0.005) 0.92ng/ul

response 893

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100    | 100    |
| 82.00  | 333.00 | 360.67 |
| 54.00  | 138.70 | 156.60 |
| 0.00   | 0.00   | 0.00   |