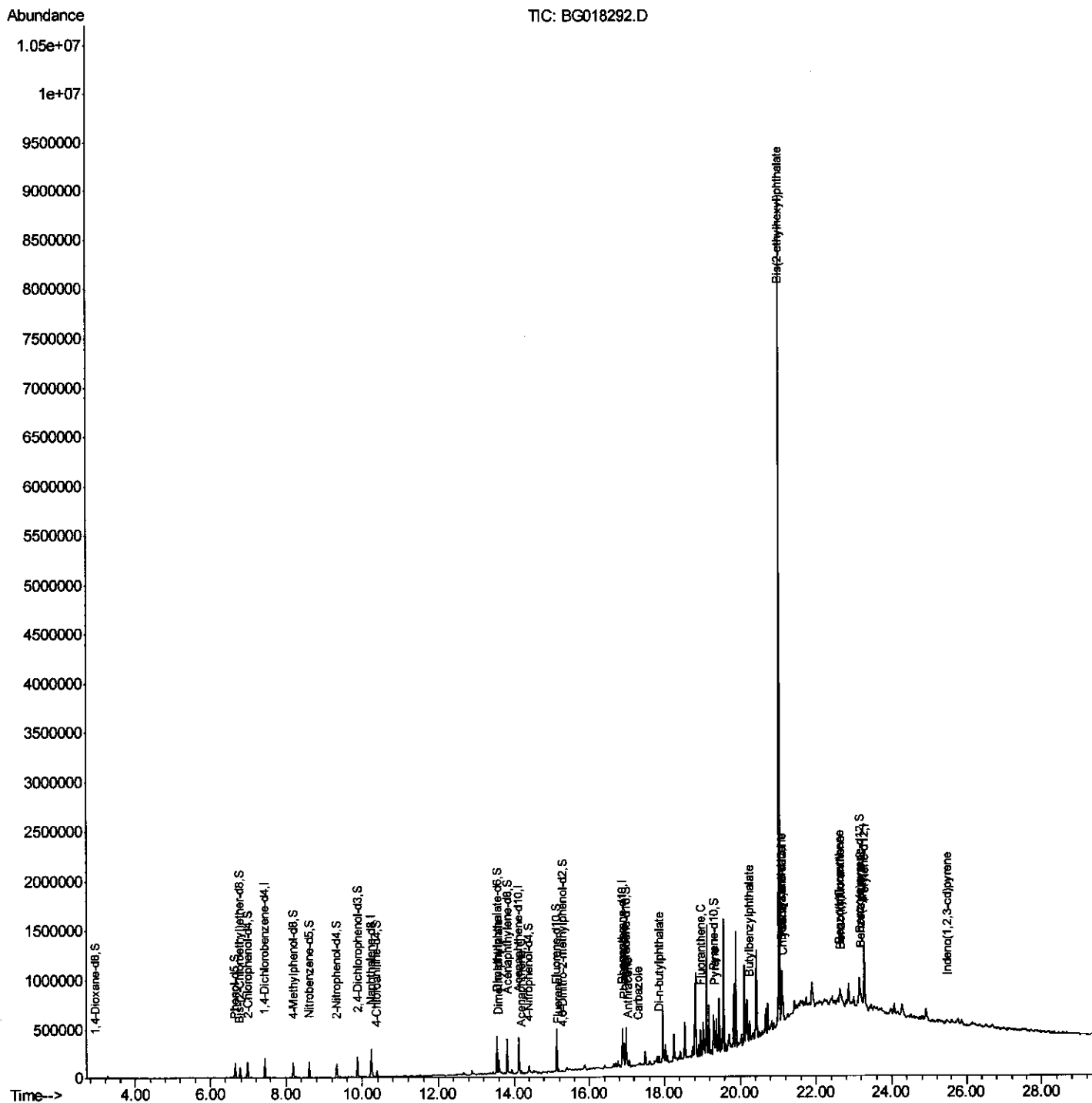


Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
Data File : BG018292.D  
Acq On : 6 Aug 2015 3:51  
Operator : UM/TP  
Sample : G3109-17RE  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

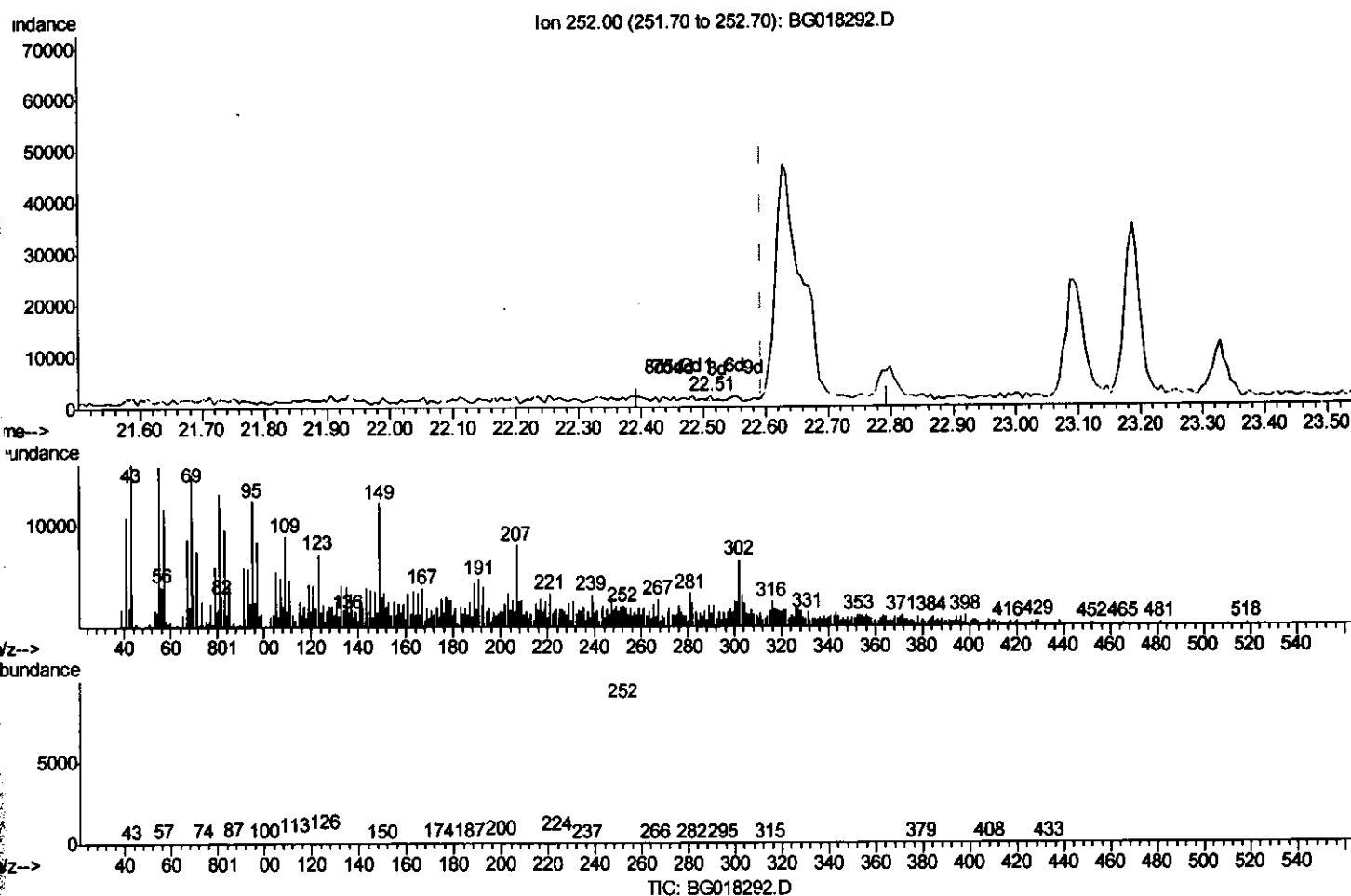
Quant Time: Aug 06 06:44:02 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 06 03:42:27 2015  
Response via : Initial Calibration



## Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
Data File : BG018292.D  
Acq On : 6 Aug 2015 3:51  
Operator : UM/TP  
Sample : G3109-17RE  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 06 03:42:27 2015  
Response via : Initial Calibration



(88) Benzo(b)fluoranthene

22.511min (-0.084) 0.05ng/ul

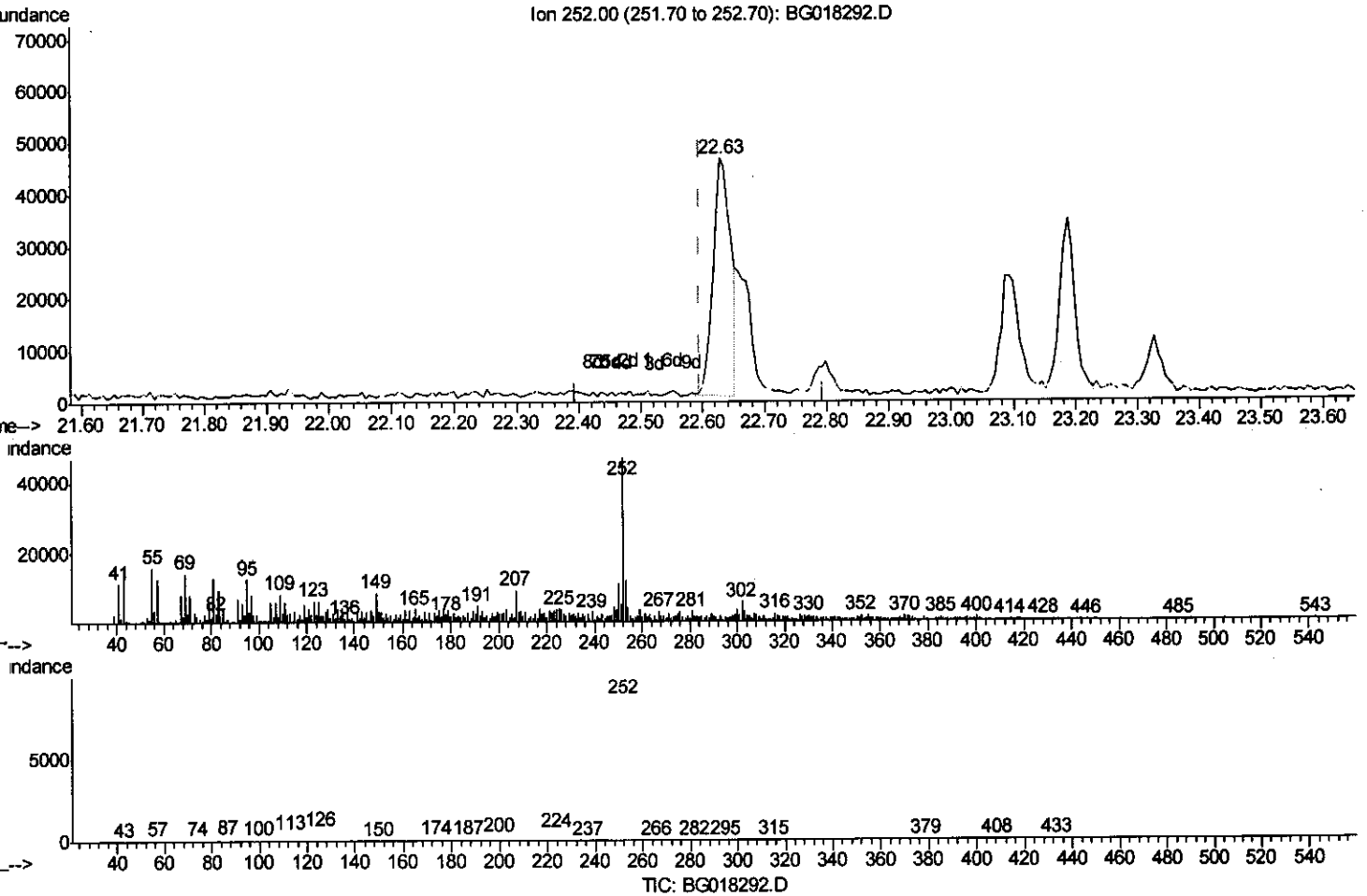
response 434

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 22.60 | 91.65#  |
| 125.00 | 3.90  | 107.43# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



(88) Benzo(b)fluoranthene

22.628min (+0.034) 9.46ng/ul m

response 91149

Ion Exp% Act%

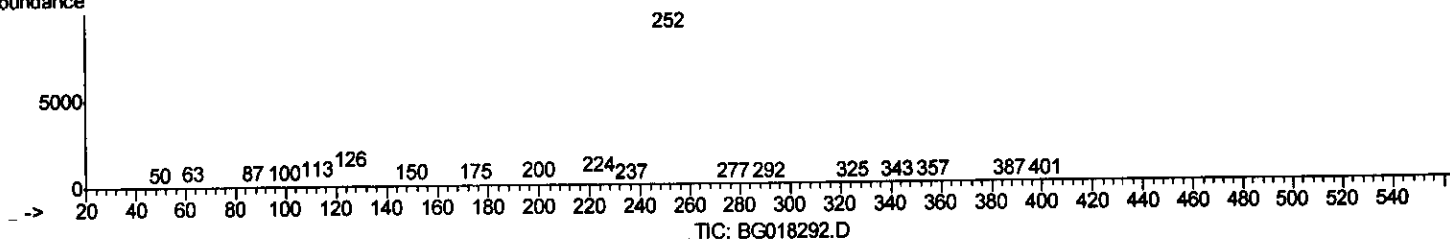
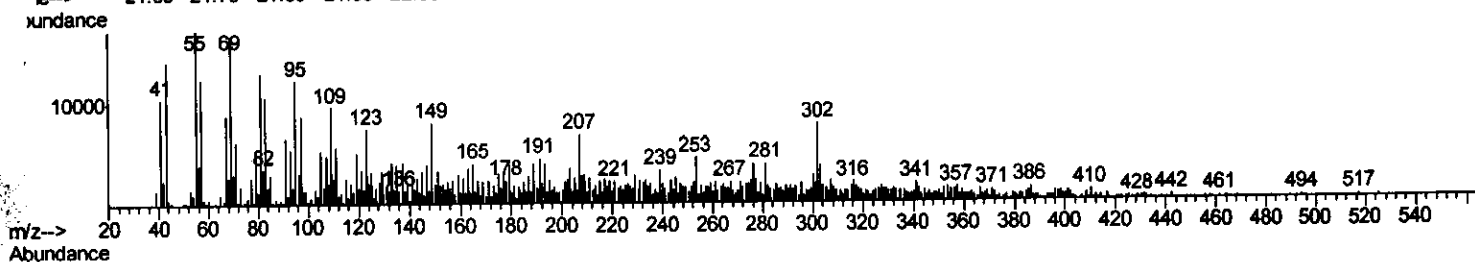
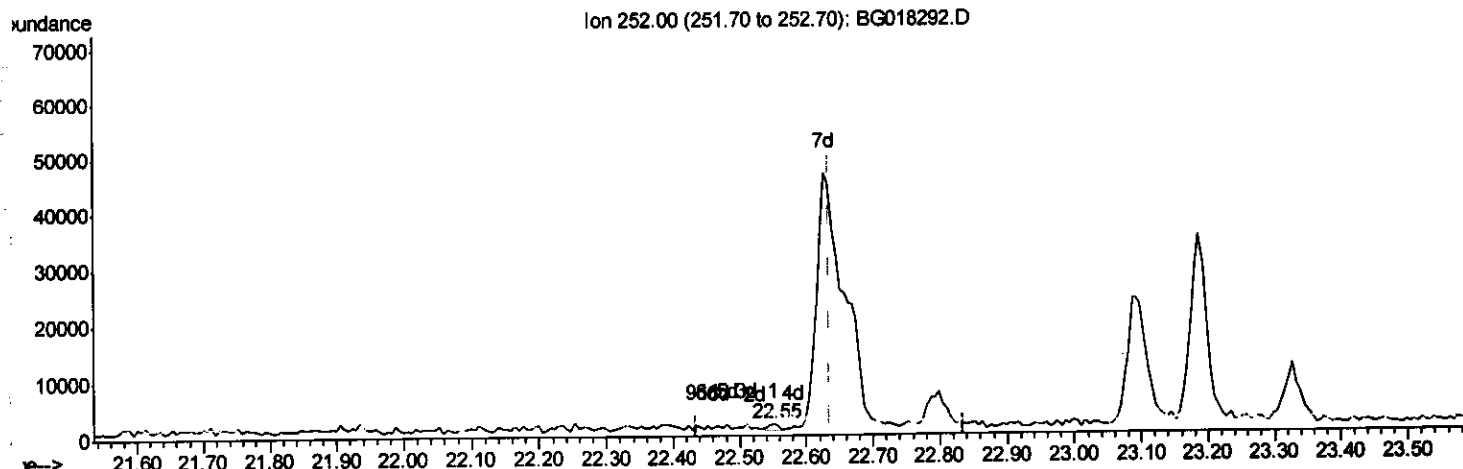
|        |       |        |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.60 | 25.54  |
| 125.00 | 3.90  | 13.17# |
| 0.00   | 0.00  | 0.00   |

T.P  
8/8/15

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



(89) Benzo(k)fluoranthene

22.552min (-0.084) 0.12ng/ul

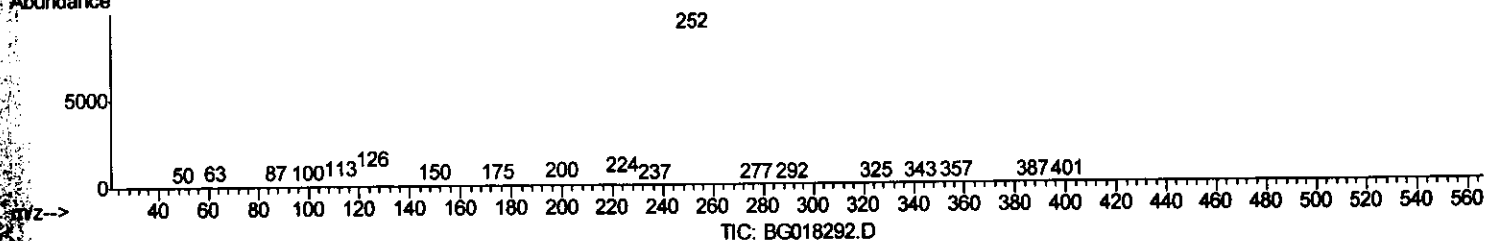
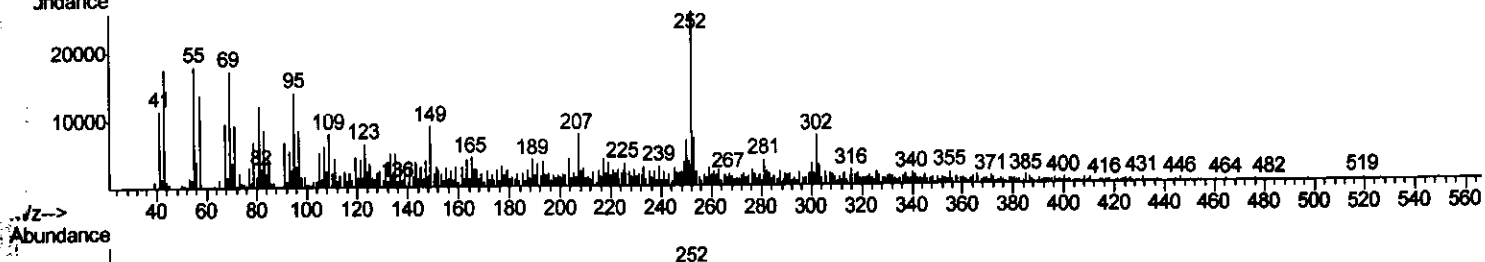
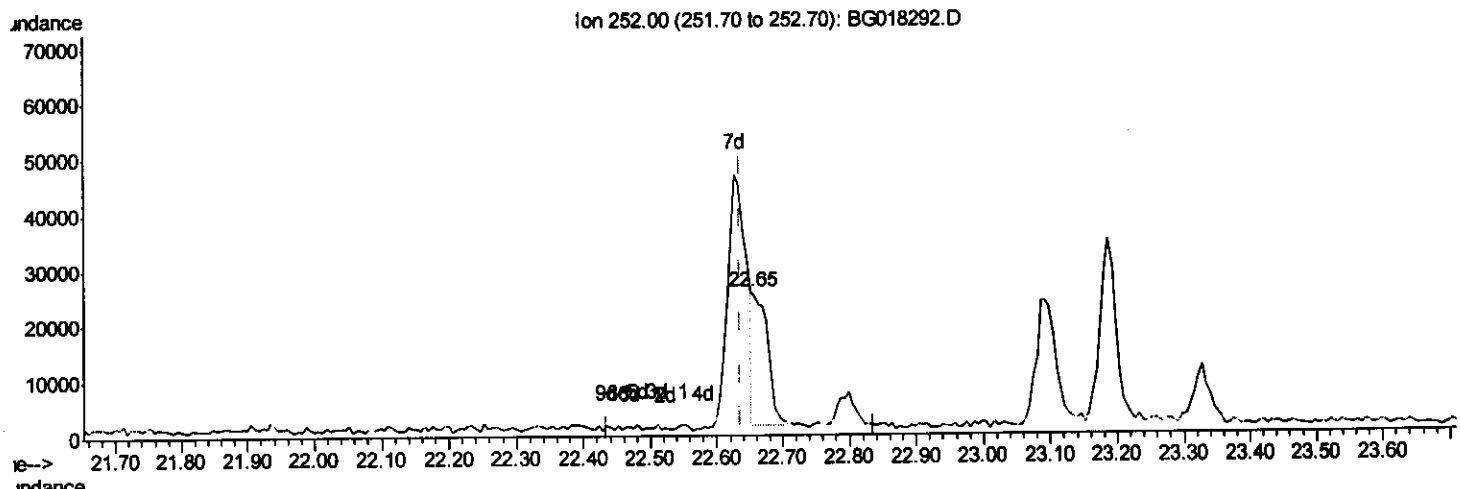
response 1081

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 20.50 | 210.79# |
| 125.00 | 4.30  | 145.96# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



(89) Benzo(k)fluoranthene

22.652min (+0.016) 3.86ng/ul m

response 35683

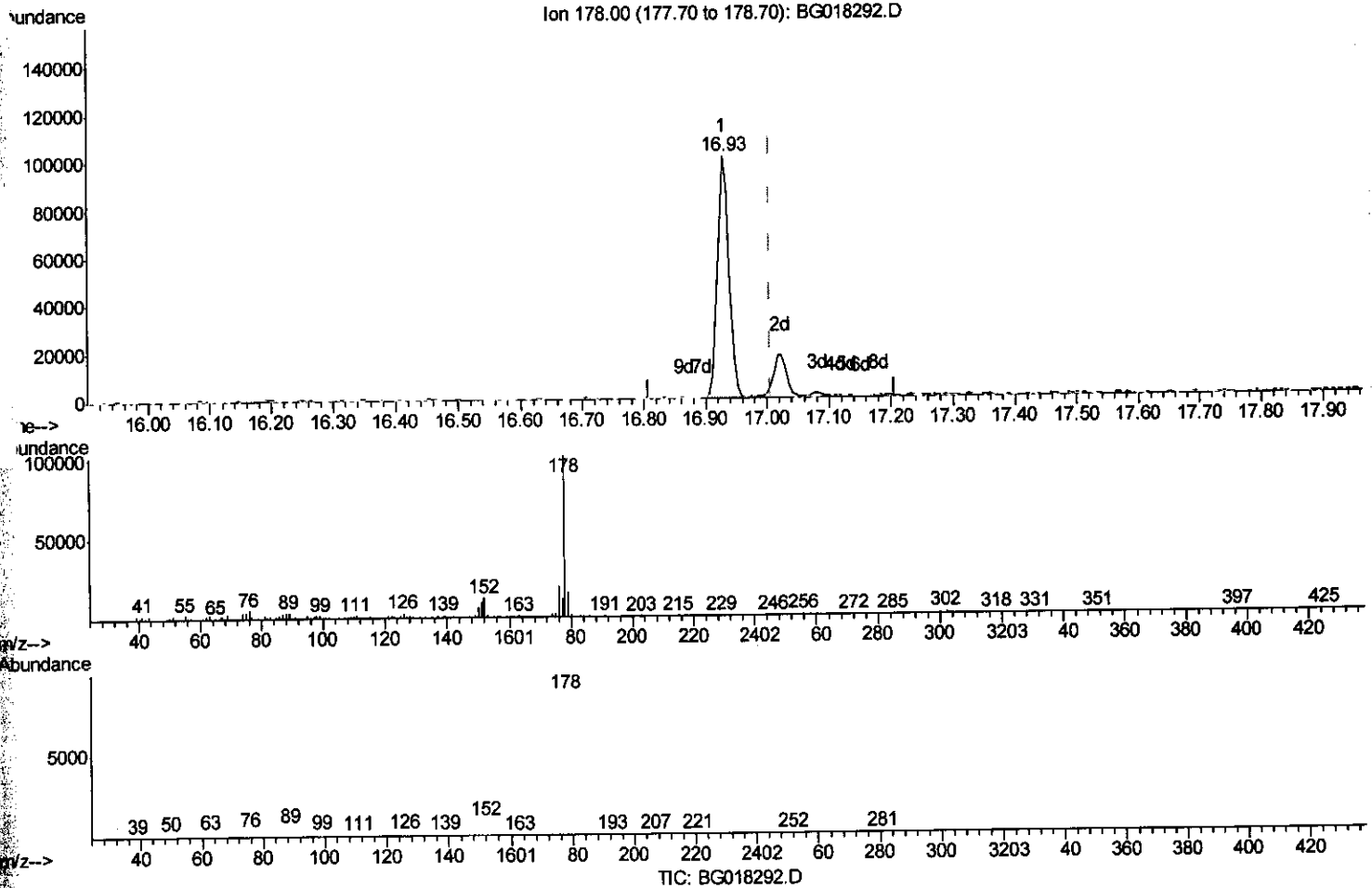
| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 20.50 | 27.51# |
| 125.00 | 4.30  | 14.31# |
| 0.00   | 0.00  | 0.00   |

T.P  
8/8/15

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



(72) Anthracene

16.929min (-0.078) 12.51ng/ul

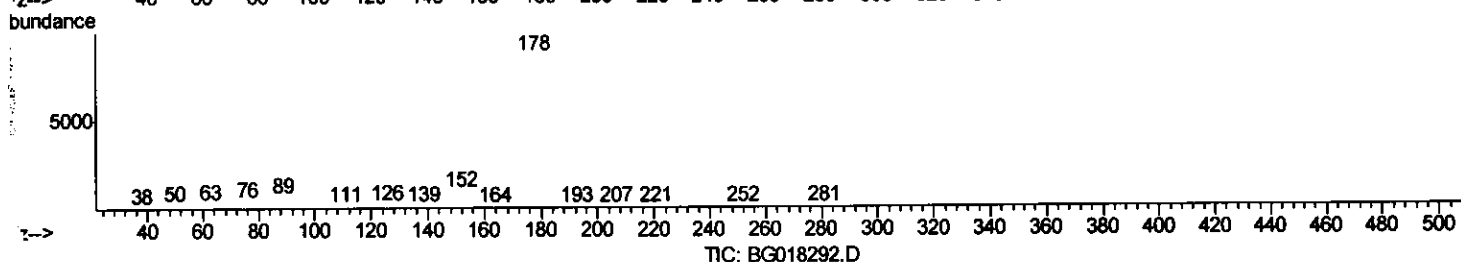
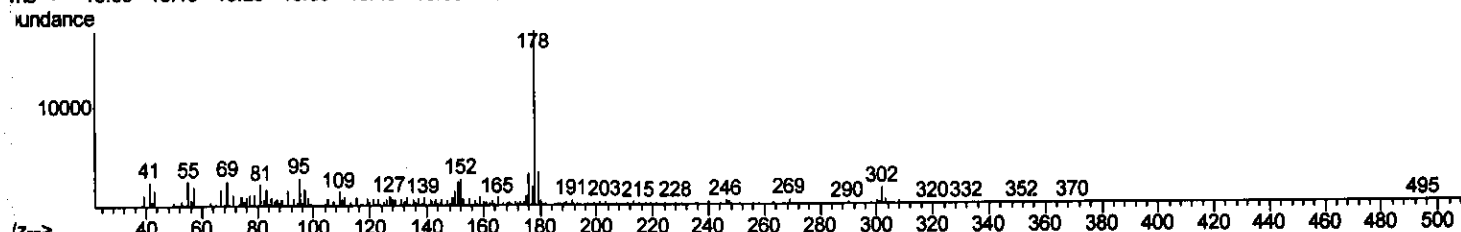
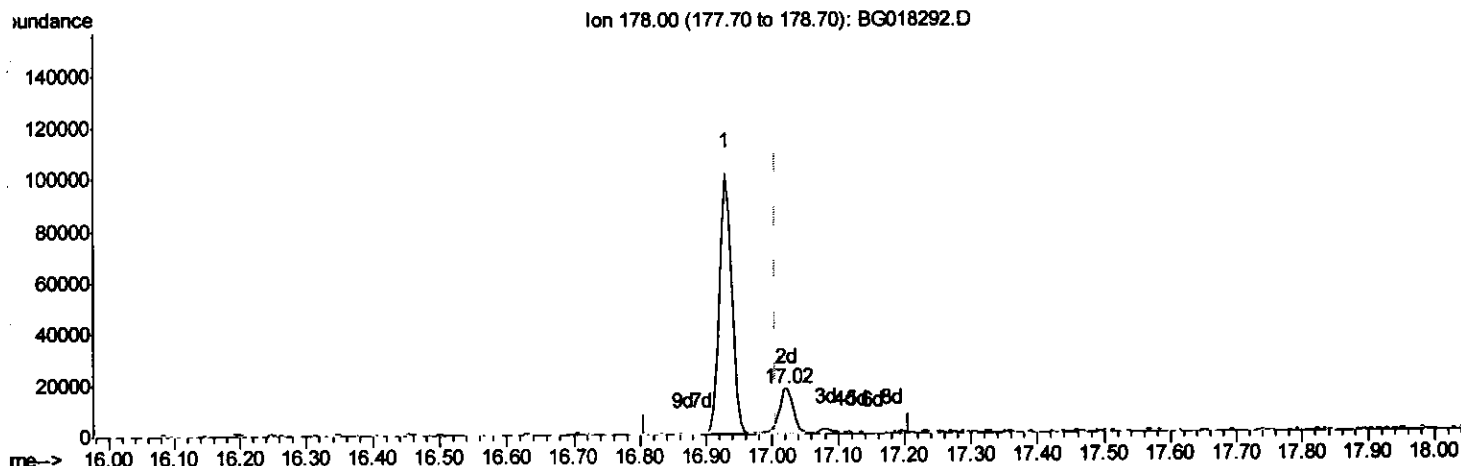
response 131014

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.30 | 16.22 |
| 176.00 | 19.10 | 19.33 |
| 0.00   | 0.00  | 0.00  |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



(72) Anthracene

17.023min (+0.016) 2.57ng/ul m

response 26945

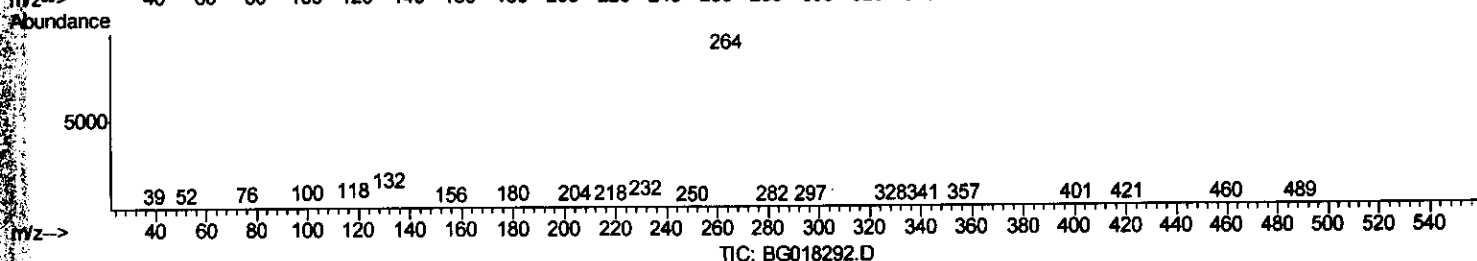
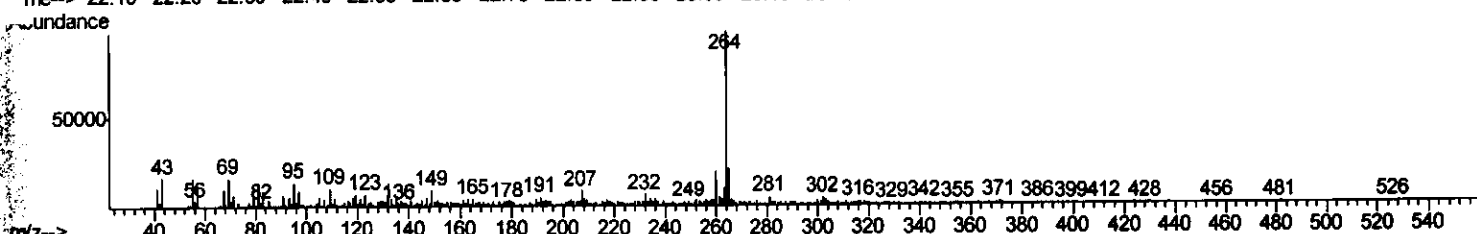
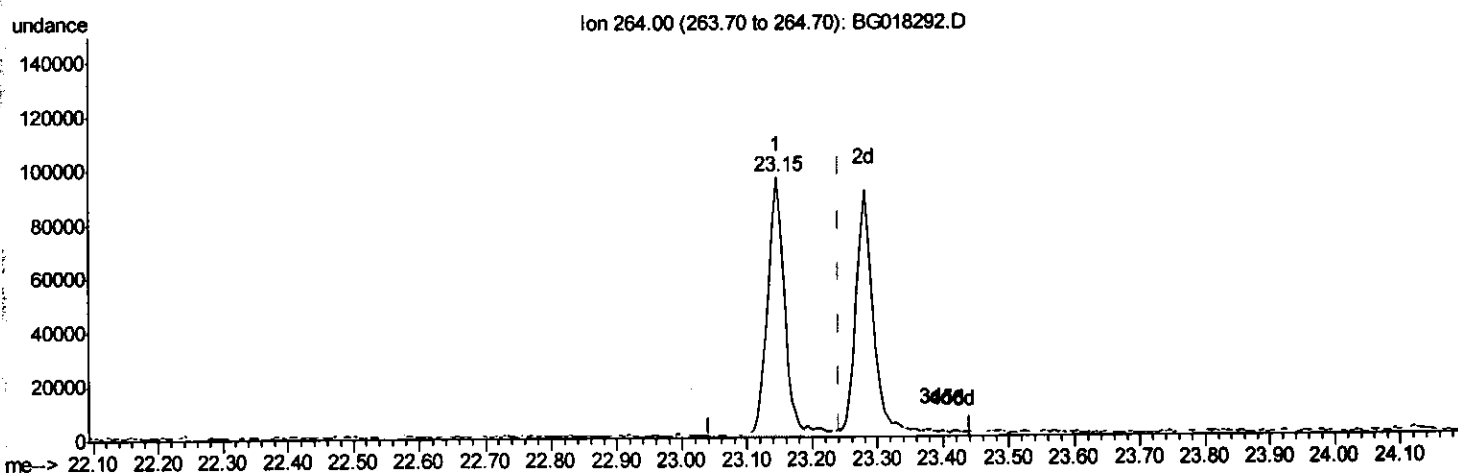
| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.30 | 19.92# |
| 176.00 | 19.10 | 19.30  |
| 0.00   | 0.00  | 0.00   |

T.P  
8/8/15

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



(86) Perylene-d12 (I)

23.145min (-0.095) 20.00ng/ul

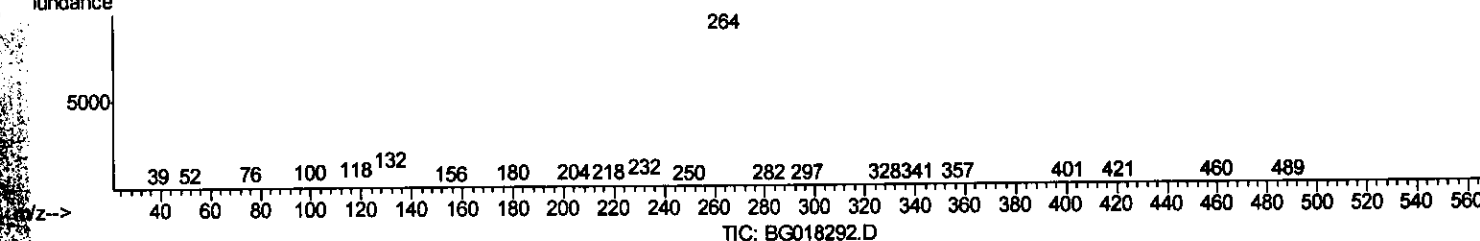
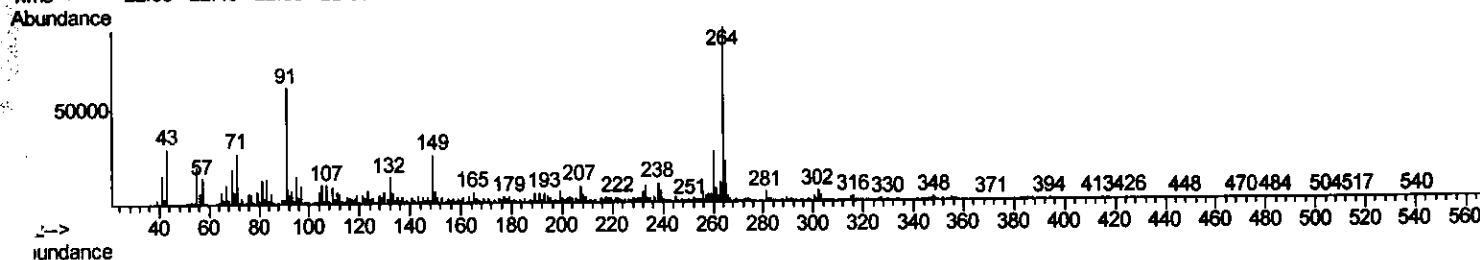
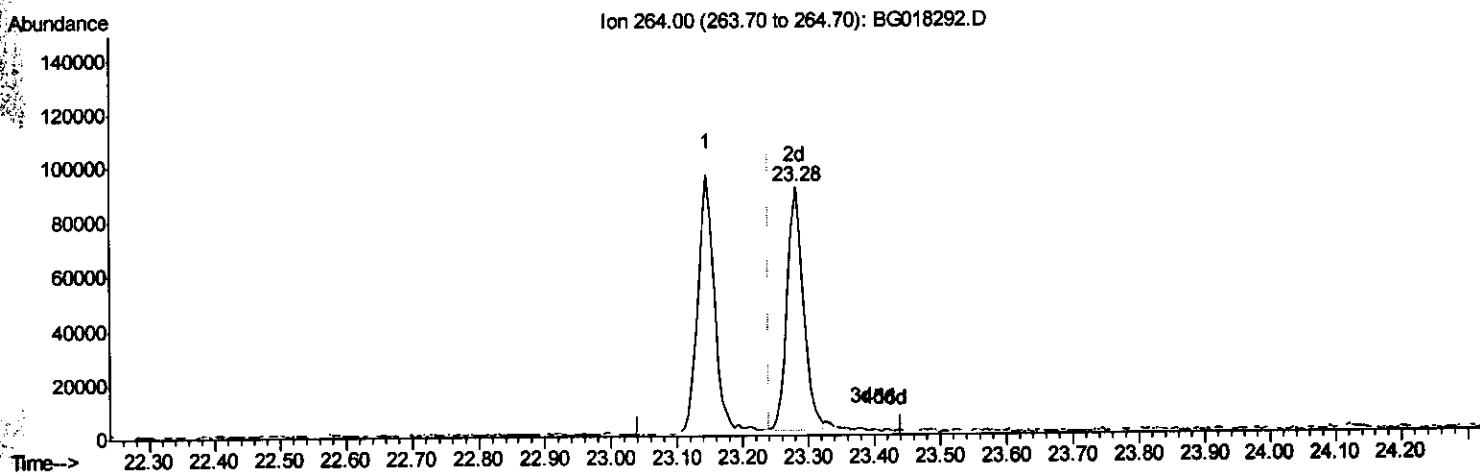
response 170116

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 100   |
| 260.00 | 22.80 | 19.84 |
| 265.00 | 22.60 | 21.30 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



(86) Perylene-d12 (I)

23.280min (+0.040) 20.00ng/ul m

response 157047

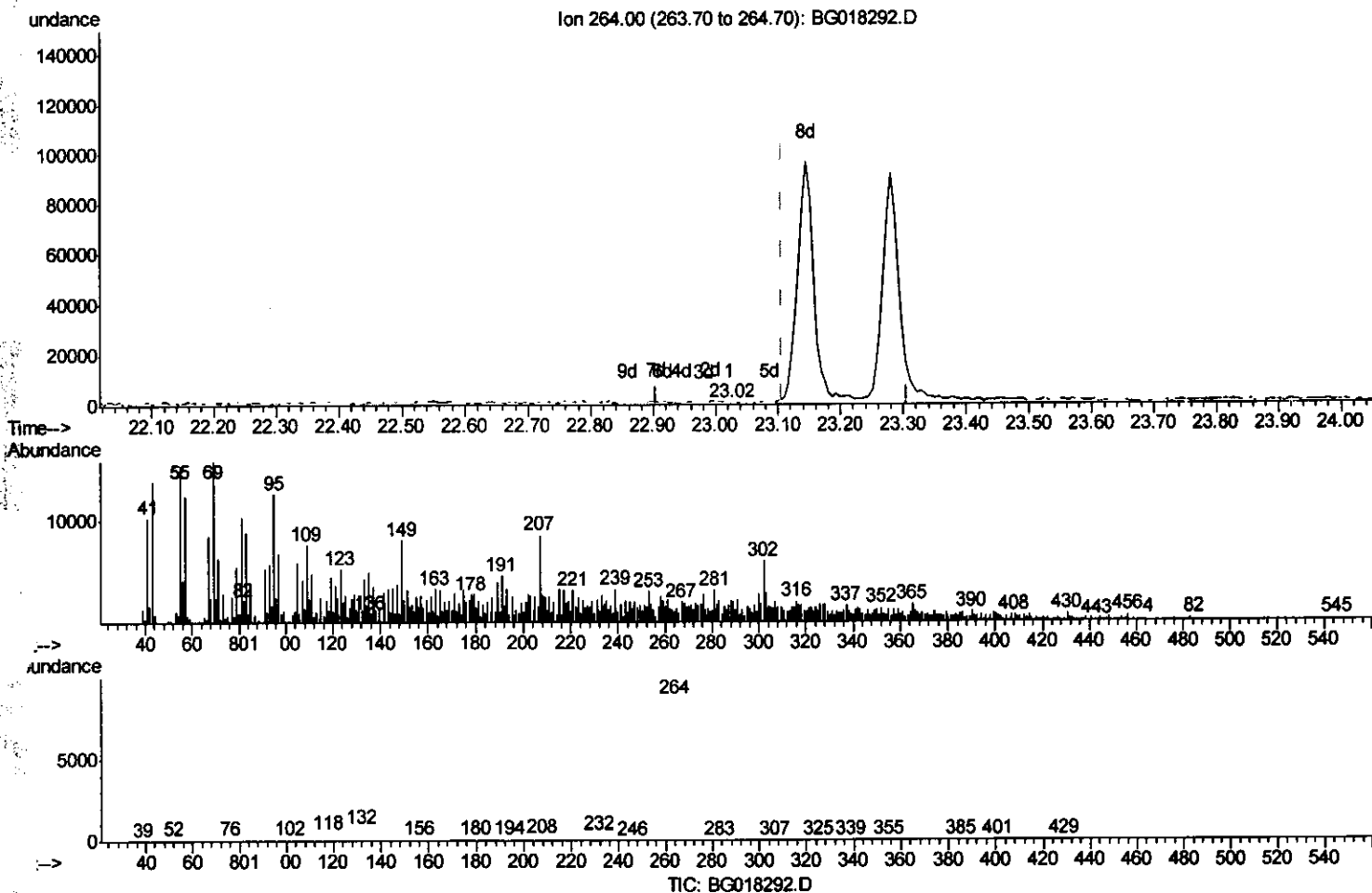
| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 22.80 | 29.04# |
| 265.00 | 22.60 | 23.42  |
| 0.00   | 0.00  | 0.00   |

T.P  
8/8/15

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



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

23.022min (-0.084) 0.03ng/ul

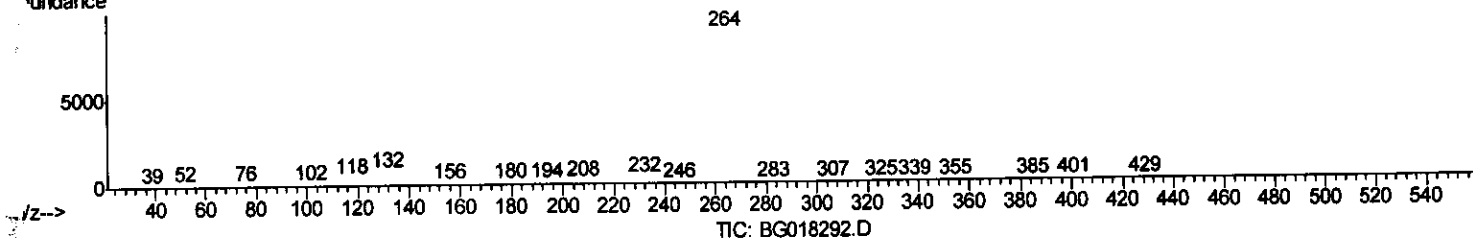
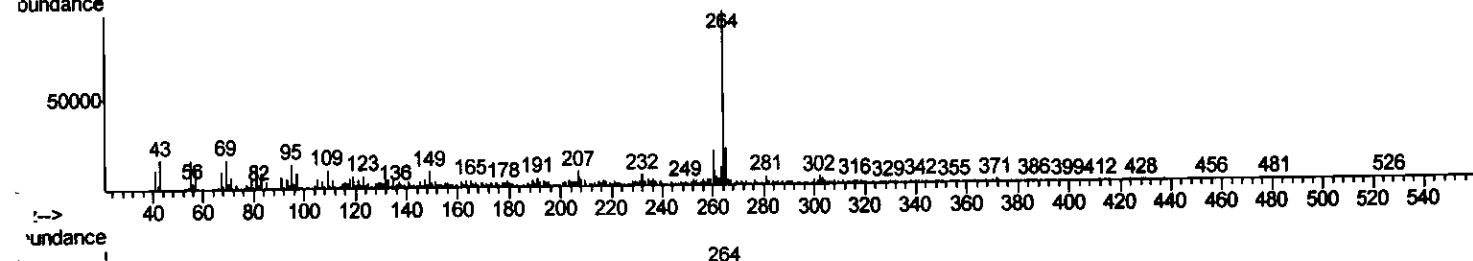
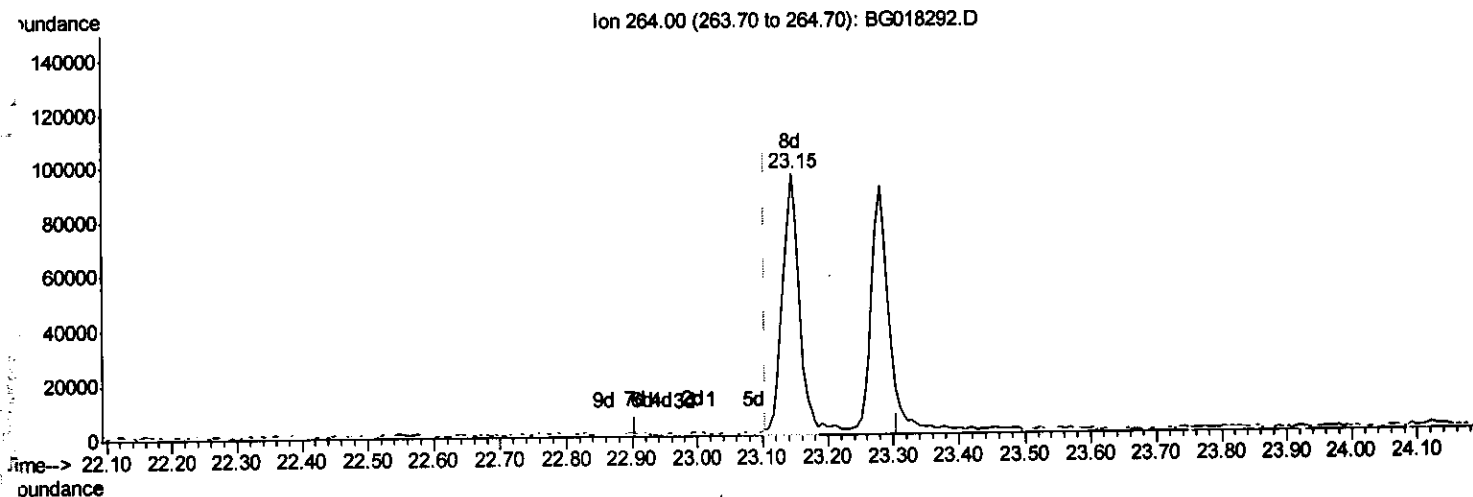
response 258

| Ion    | Exp% | Act%    |
|--------|------|---------|
| 264.00 | 100  | 100     |
| 132.00 | 6.80 | 126.05# |
| 118.00 | 4.30 | 119.65# |
| 0.00   | 0.00 | 0.00    |

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



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

23.145min (+0.040) 21.35ng/ul m

response 174425

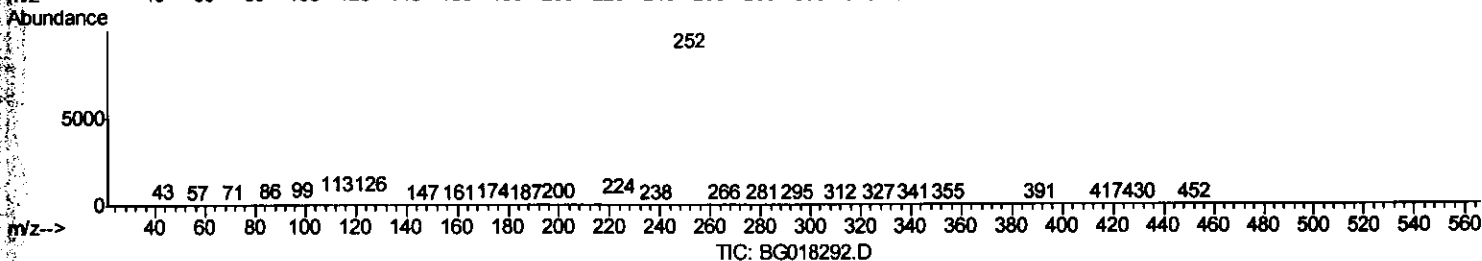
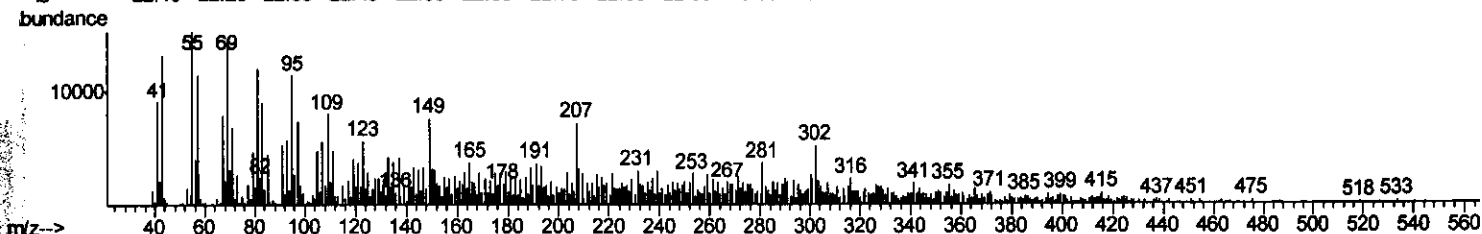
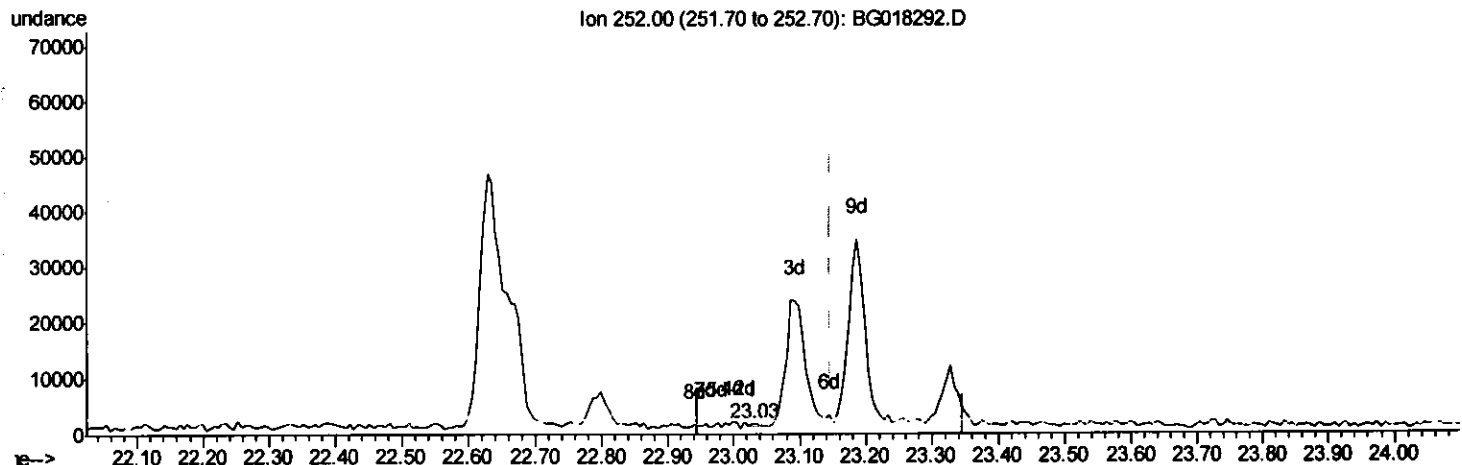
T.P  
8/8/15

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 264.00 | 100  | 100   |
| 132.00 | 6.80 | 7.01  |
| 118.00 | 4.30 | 5.45# |
| 0.00   | 0.00 | 0.00  |

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



(91) Benzo(a)pyrene (C)

23.028min (-0.119) 0.04ng/ul

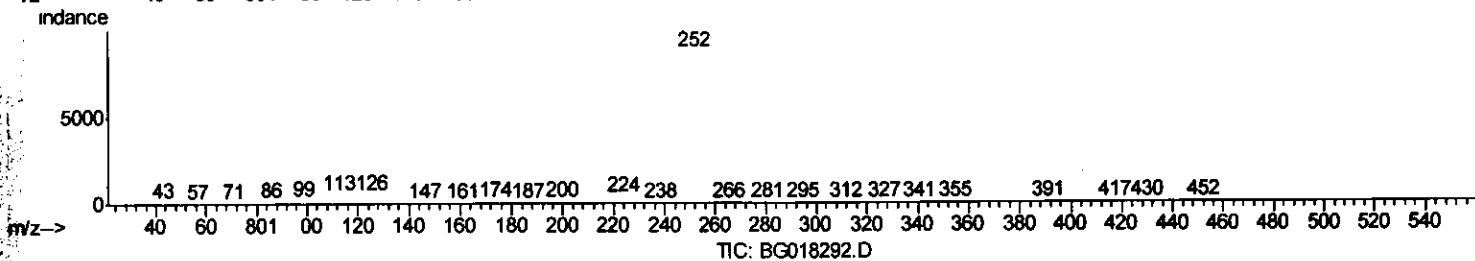
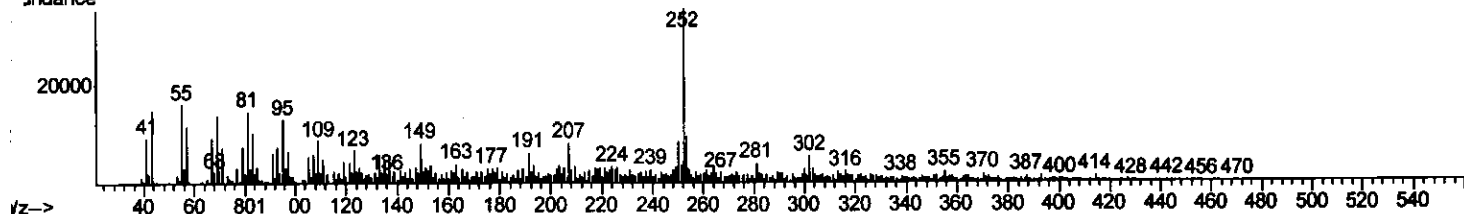
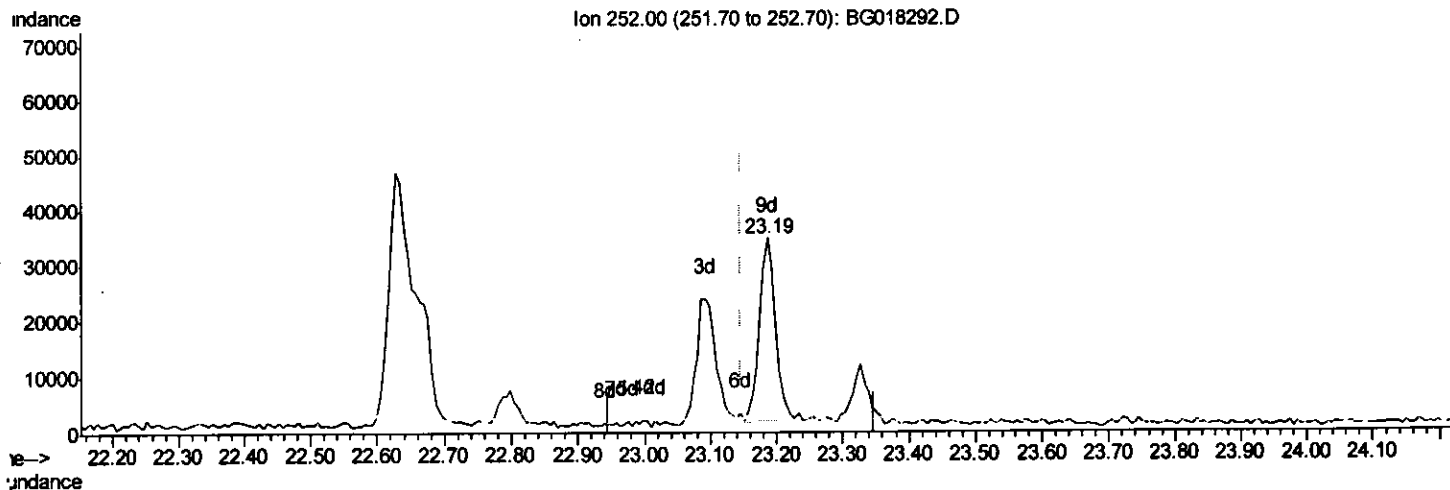
response 309

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 23.60 | 139.66# |
| 125.00 | 4.00  | 146.94# |
| 0.00   | 0.00  | 0.00    |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



(91) Benzo(a)pyrene (C)

23.186min (+0.040) 6.52ng/ul m

response 54853

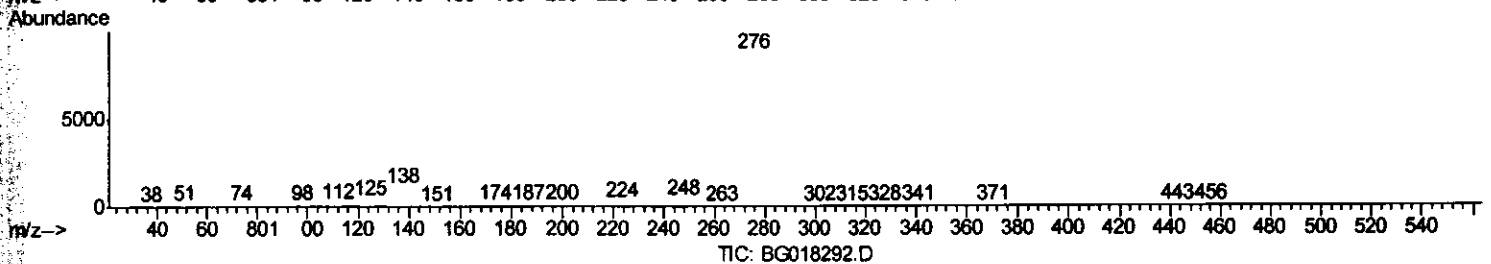
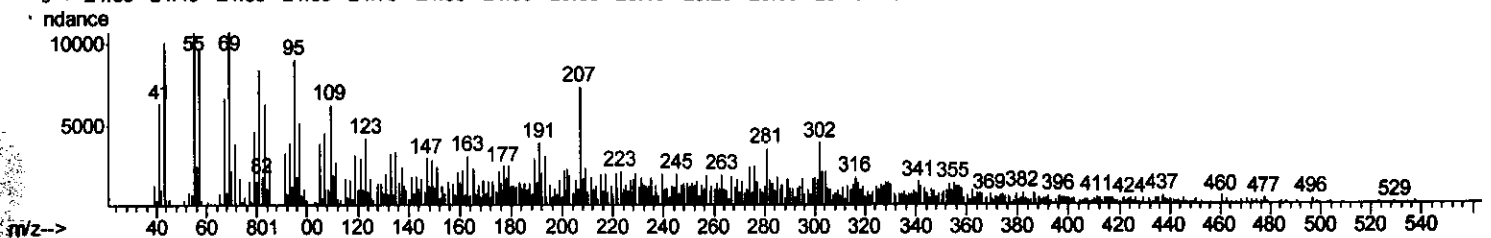
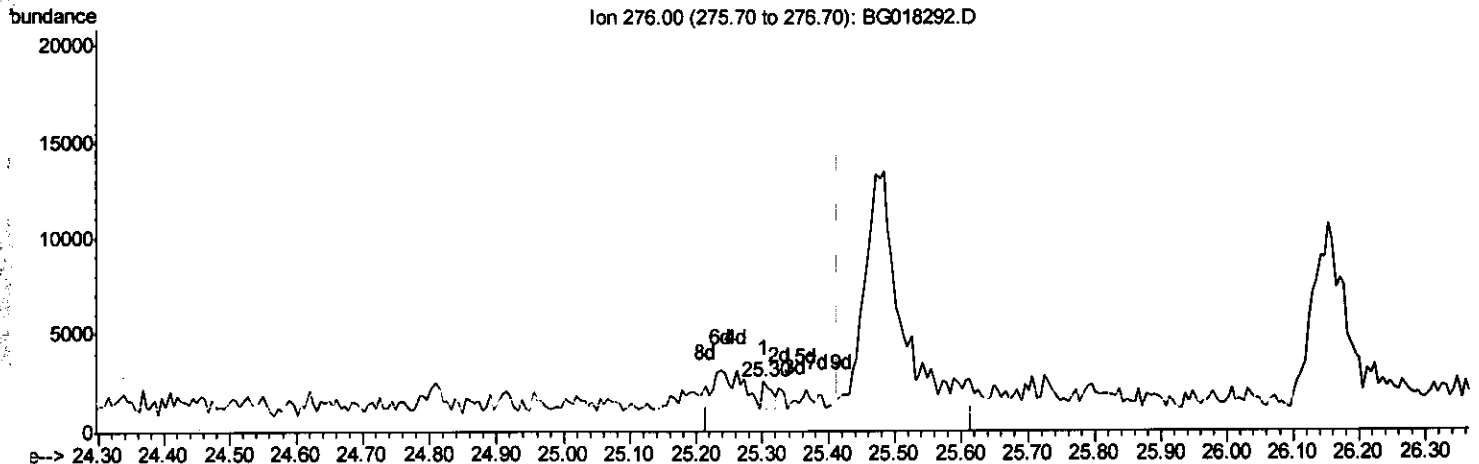
*T.P*  
*8/8/15*

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 23.60 | 26.87 |
| 125.00 | 4.00  | 9.55# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



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

25.302min (-0.113) 0.14ng/ul

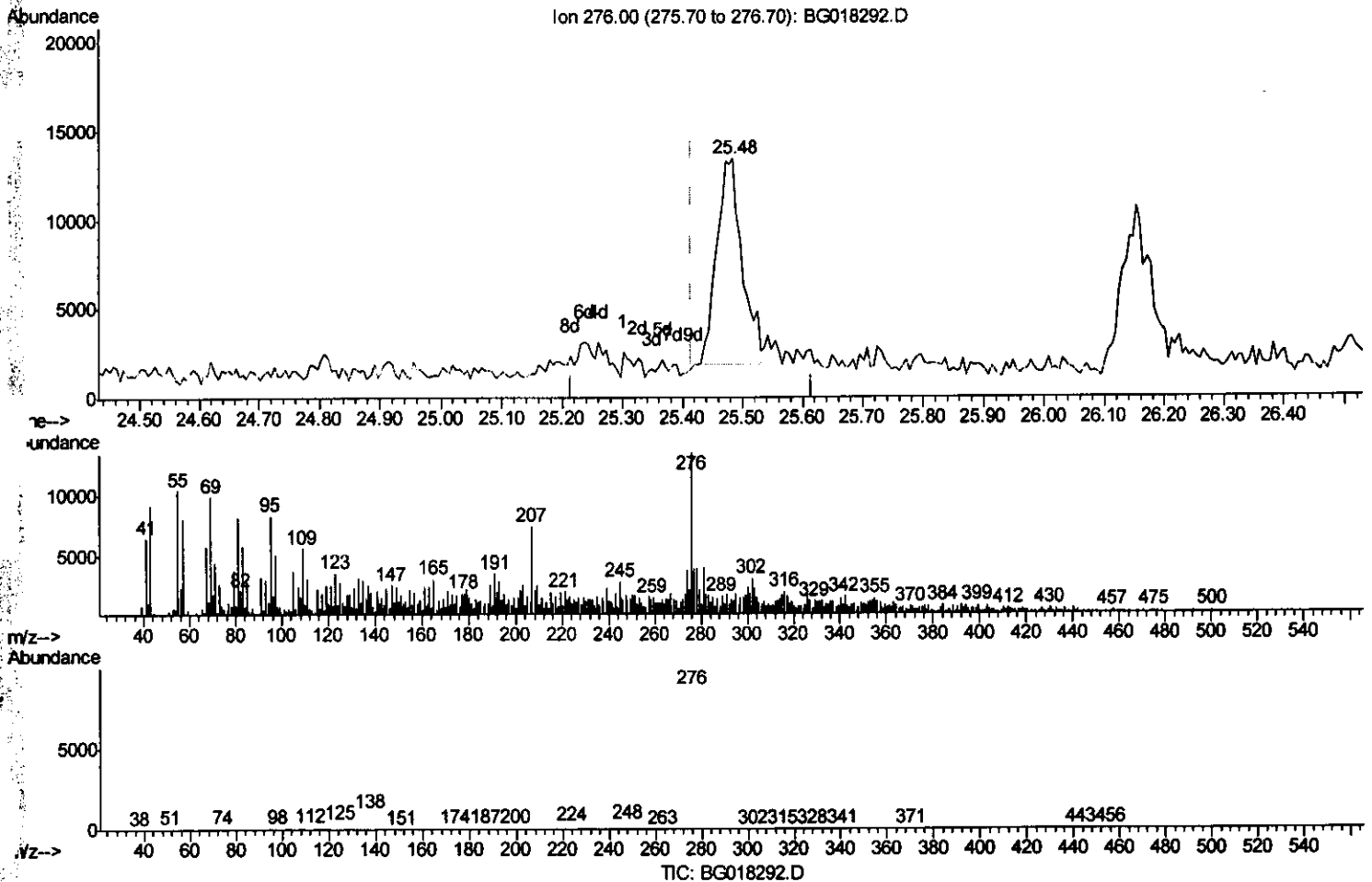
response 1423

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 10.30 | 51.12# |
| 277.00 | 25.10 | 61.65# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
 Data File : BG018292.D  
 Acq On : 6 Aug 2015 3:51  
 Operator : UM/TP  
 Sample : G3109-17RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 05:06:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 03:42:27 2015  
 Response via : Initial Calibration



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

25.484min (+0.069) 3.26ng/ul m

response 33912

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 10.30 | 14.51# |
| 277.00 | 25.10 | 29.23  |
| 0.00   | 0.00  | 0.00   |

T.P.  
8/8/15

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080515\  
Data File : BG018292.D  
Acq On : 6 Aug 2015 3:51  
Operator : UM/TP  
Sample : G3109-17RE  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 06 06:44:02 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
Quant Title : SVOA CALIBRATION  
Last Update : Thu Aug 06 03:42:27 2015  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.44  | 152  | 47140    | 20.00 | ng/ul | 0.01     |
| 18) Naphthalene-d8        | 10.23 | 136  | 209354   | 20.00 | ng/ul | 0.01     |
| 36) Acenaphthene-d10      | 14.13 | 164  | 123120   | 20.00 | ng/ul | 0.01     |
| 62) Phenanthrene-d10      | 16.89 | 188  | 207920   | 20.00 | ng/ul | 0.02     |
| 78) Chrysene-d12          | 21.11 | 240  | 149399   | 20.00 | ng/ul | 0.02     |
| 86) Perylene-d12          | 23.28 | 264  | 157047m  | 20.00 | ng/ul | 0.04     |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 3) 1,4-Dioxane-d8              | 2.91  | 96   | 1983     | 3.63  | ng/uL | 0.00     |
| 5) Phenol-d5                   | 6.65  | 99   | 74694    | 20.15 | ng/ul | 0.02     |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.78  | 67   | 41124    | 22.95 | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 6.98  | 132  | 66636    | 21.59 | ng/ul | 0.01     |
| 13) 4-Methylphenol-d8          | 8.18  | 113  | 50455    | 16.12 | ng/ul | 0.01     |
| 19) Nitrobenzene-d5            | 8.60  | 128  | 34847    | 21.50 | ng/ul | 0.02     |
| 22) 2-Nitrophenol-d4           | 9.32  | 143  | 39469    | 21.05 | ng/ul | 0.02     |
| 26) 2,4-Dichlorophenol-d3      | 9.87  | 165  | 68941    | 20.00 | ng/ul | 0.02     |
| 29) 4-Chloroaniline-d4         | 10.38 | 131  | 31181    | 7.55  | ng/ul | 0.02     |
| 44) Dimethylphthalate-d6       | 13.54 | 166  | 219005   | 23.00 | ng/ul | 0.02     |
| 47) Acenaphthylene-d8          | 13.82 | 160  | 236092   | 21.86 | ng/ul | 0.01     |
| 52) 4-Nitrophenol-d4           | 14.40 | 143  | 17101    | 10.89 | ng/ul | 0.03     |
| 58) Fluorene-d10               | 15.13 | 176  | 177948   | 20.80 | ng/ul | 0.02     |
| 63) 4,6-Dinitro-2-methylphenol | 15.28 | 200  | 2365     | 1.64  | ng/ul | 0.02     |
| 71) Anthracene-d10             | 16.99 | 188  | 202875   | 22.18 | ng/ul | 0.02     |
| 79) Pyrene-d10                 | 19.30 | 212  | 136685   | 16.35 | ng/ul | 0.02     |
| 90) Benzo(a)pyrene-d12         | 23.15 | 264  | 174425m  | 21.35 | ng/ul | 0.04     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 45) Dimethylphthalate          | 13.59 | 163  | 80241    | 8.45   | ng/ul  | 99     |
| 50) Acenaphthene               | 14.19 | 153  | 12691    | 1.76   | ng/ul  | 93     |
| 59) Fluorene                   | 15.18 | 166  | 14927    | 1.60   | ng/ul  | 94     |
| 70) Phenanthrene               | 16.93 | 178  | 130824   | 12.47  | ng/ul  | 97     |
| 72) Anthracene                 | 17.02 | 178  | 26945m   | 2.57   | ng/ul  |        |
| 75) Carbazole                  | 17.30 | 167  | 10220    | 1.16   | ng/ul# | 89     |
| 76) Di-n-butylphthalate        | 17.87 | 149  | 47901    | 3.87   | ng/ul# | 96     |
| 77) Fluoranthene               | 18.97 | 202  | 144032   | 12.38  | ng/ul# | 95     |
| 80) Pyrene                     | 19.33 | 202  | 127217   | 12.25  | ng/ul# | 94     |
| 81) Butylbenzylphthalate       | 20.24 | 149  | 40938    | 10.16  | ng/ul# | 85     |
| 83) Benzo(a)anthracene         | 21.09 | 228  | 53233    | 6.75   | ng/ul  | 95     |
| 84) Bis(2-ethylhexyl)phthalate | 21.04 | 149  | 2097226  | 432.55 | ng/ul# | 64     |
| 85) Chrysene                   | 21.14 | 228  | 60526    | 8.54   | ng/ul  | 94     |
| 88) Benzo(b)fluoranthene       | 22.63 | 252  | 91149m   | 9.46   | ng/ul  |        |
| 89) Benzo(k)fluoranthene       | 22.65 | 252  | 35683m   | 3.86   | ng/ul  |        |
| 91) Benzo(a)pyrene             | 23.19 | 252  | 54853m   | 6.52   | ng/ul  |        |
| 92) Indeno(1,2,3-cd)pyrene     | 25.48 | 276  | 33912m   | 3.26   | ng/ul  |        |

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