

# Quantitation Report (QT Reviewed)

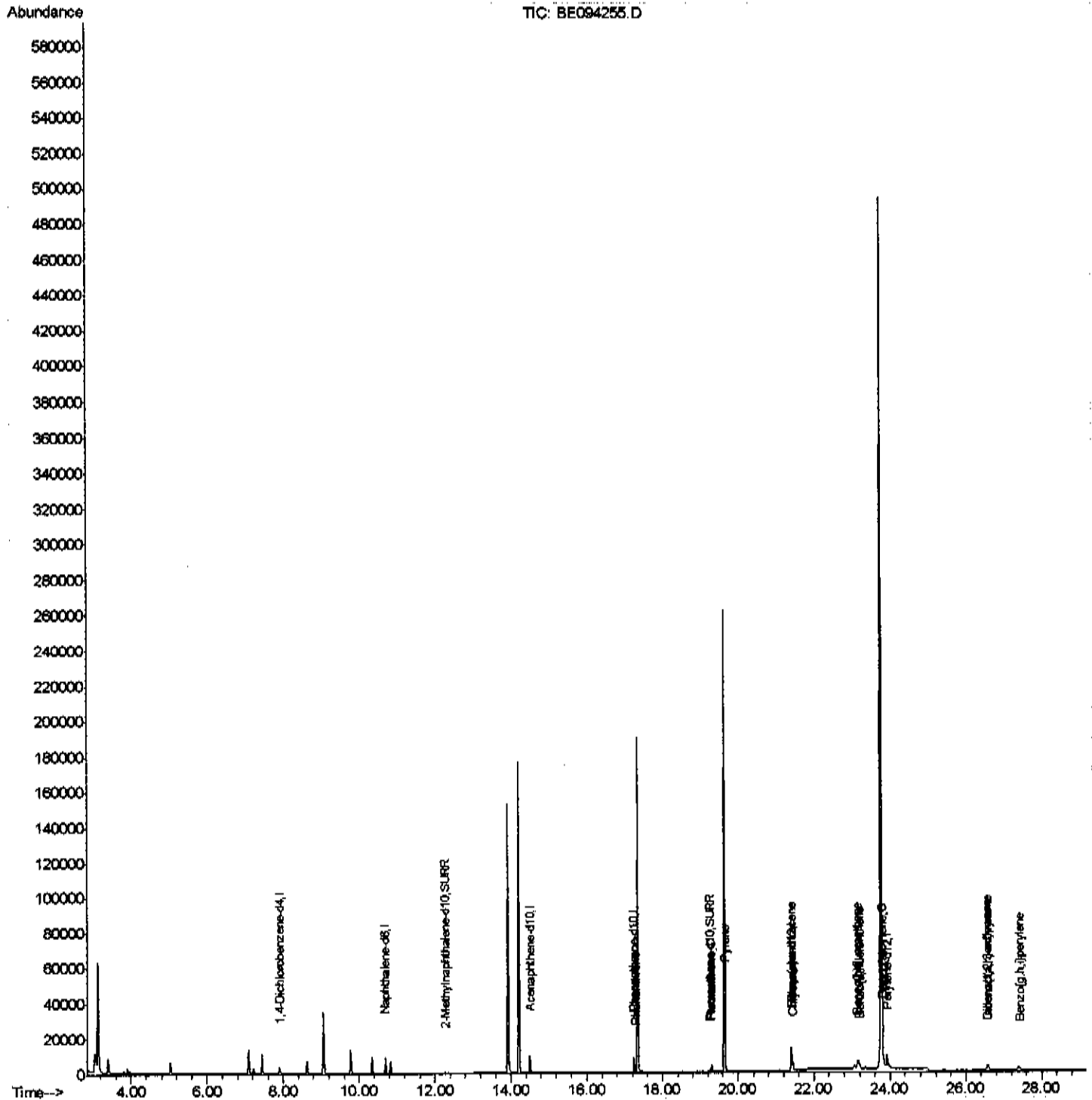
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
 Data File : BE094255.D  
 Acq On : 10 Oct 2017 15:32  
 Operator : SJ/JU  
 Sample : I5522-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AD9

Manual Integrations  
 APPROVED

Sohil  
 10/11/2017 7:19:48 PM

Quant Time: Oct 11 07:21:30 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 11 06:34:16 2017  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

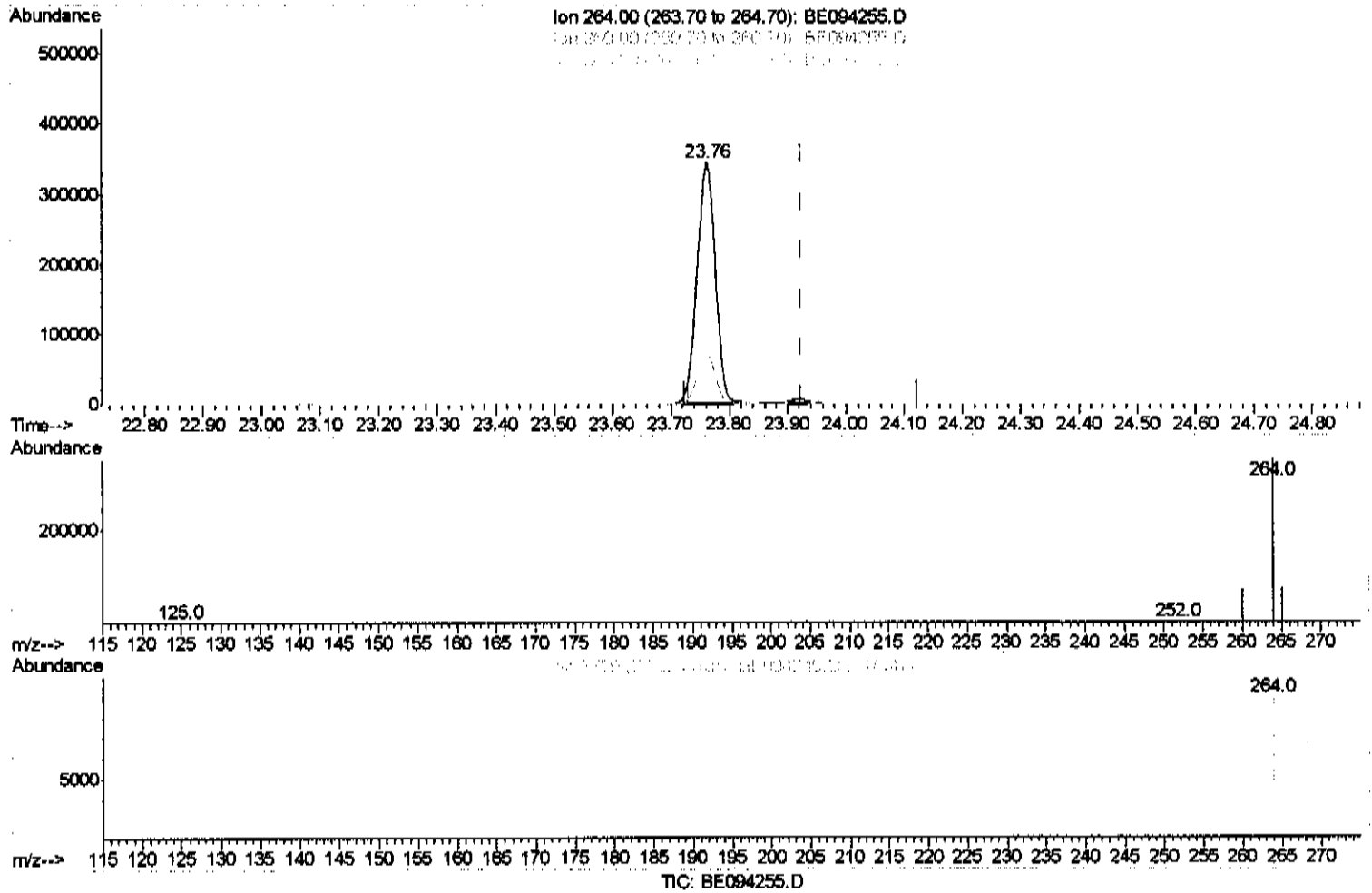
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
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Manual Integrations  
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 10/11/2017 7:19:48 PM

Quant Time: Oct 11 06:38:02 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
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 QLast Update : Wed Oct 11 06:34:16 2017  
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(20) Perylene-d12 (I)

23.760min (-0.164) 0.40ng/ul

response 730415

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 20.68% |
| 265.00 | 103.50 | 21.49% |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

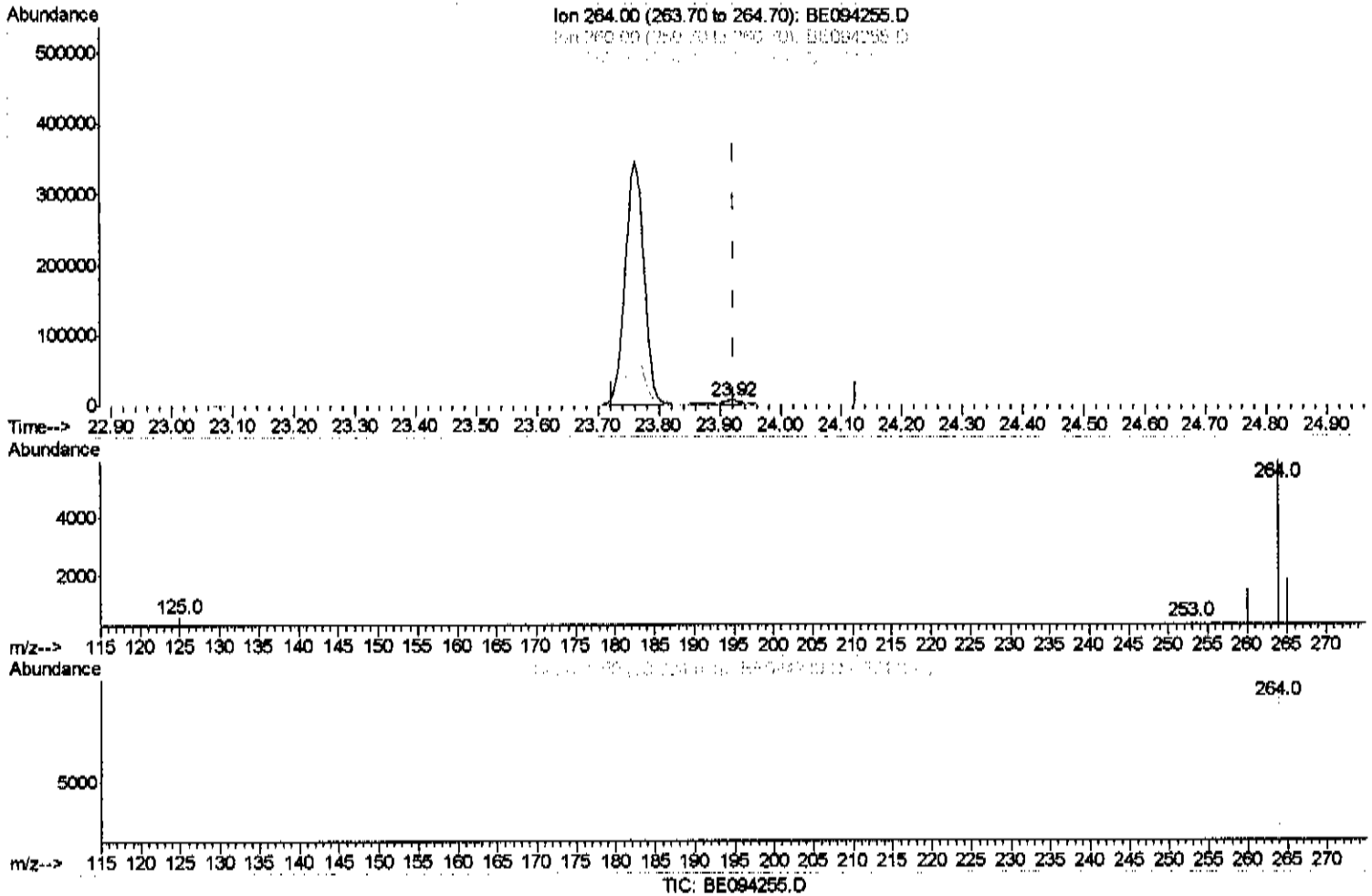
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
 Data File : BE094255.D  
 Acq On : 10 Oct 2017 15:32  
 Operator : SJ/JU  
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(20) Perylene-d12 (I)

23.919min (-0.006) 0.40ng/ul m

response 11630

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 25.57  |
| 265.00 | 103.50 | 31.05# |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

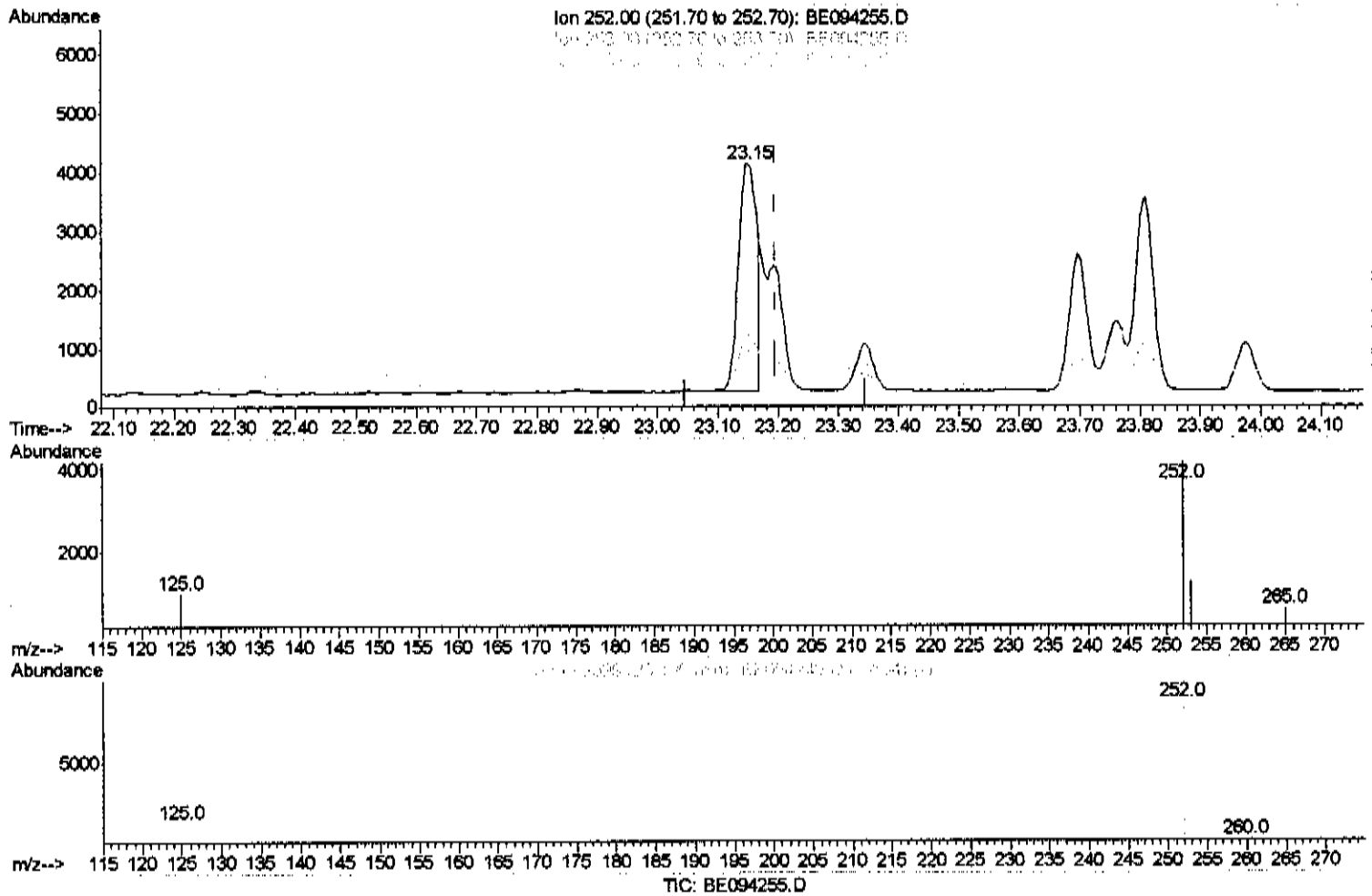
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
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 Operator : SJ/JU  
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 Misc :  
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(22) Benzo(k)fluoranthene

23.150min (-0.046) 0.23ng/ul

response 8265

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 29.87  |
| 125.00 | 17.10 | 23.14# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

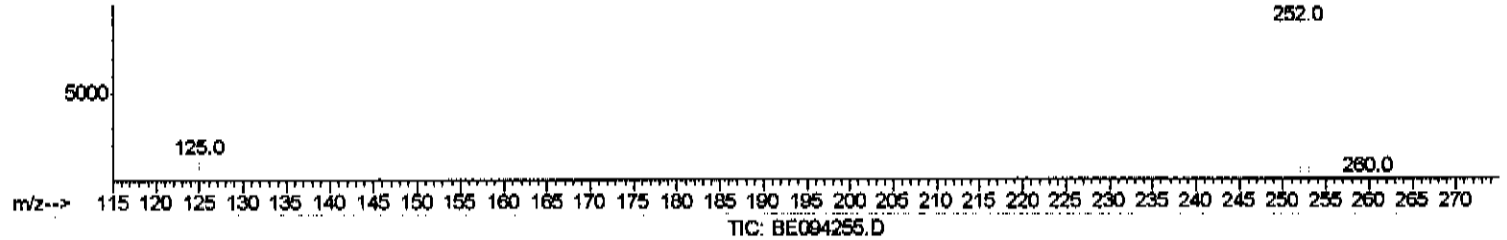
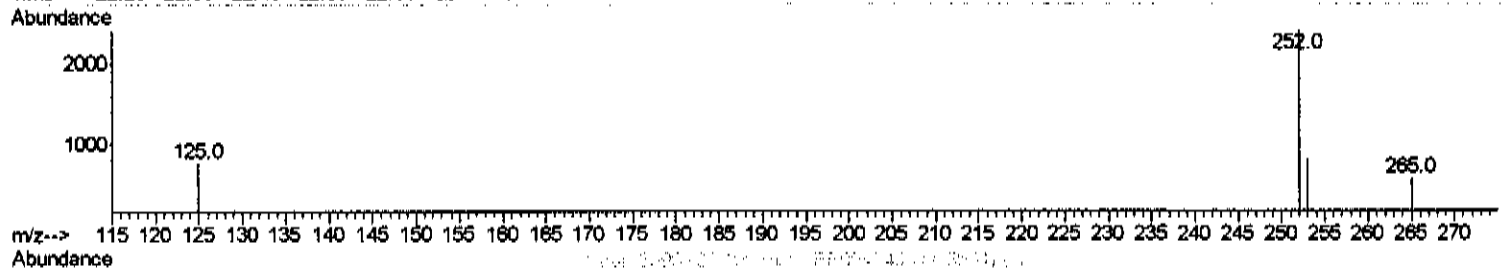
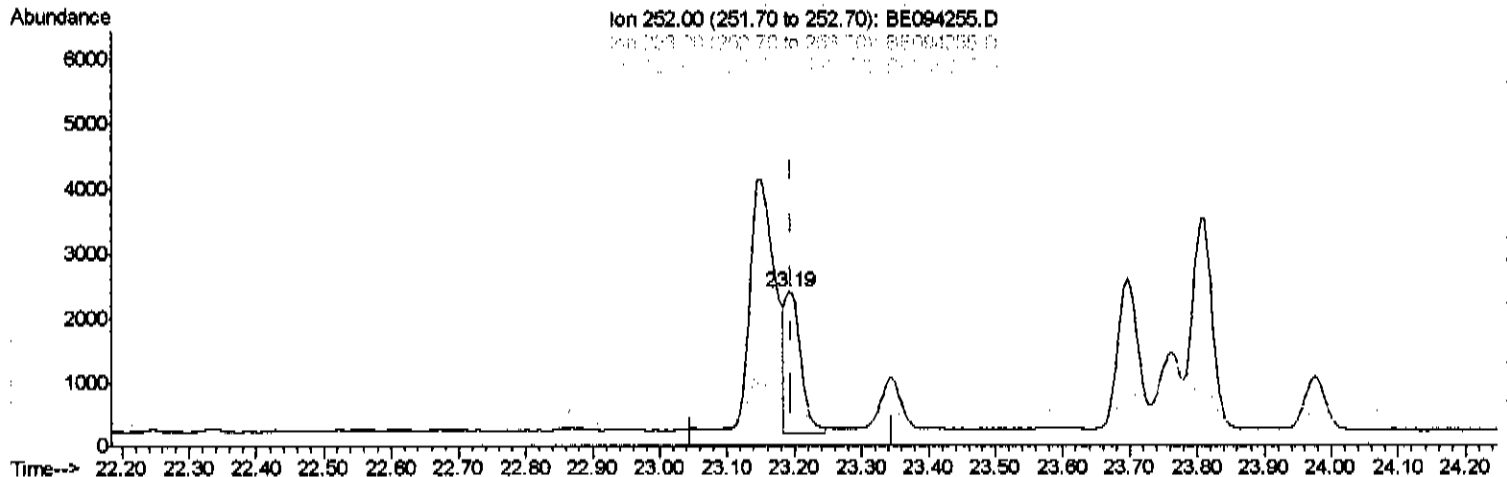
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
 Data File : BE094255.D  
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 Operator : SJ/JU  
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(22) Benzo(k)fluoranthene

23.191min (-0.005) 0.10ng/ul m *ju 10/11/17*

response 3738

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 34.27  |
| 125.00 | 17.10 | 32.18# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

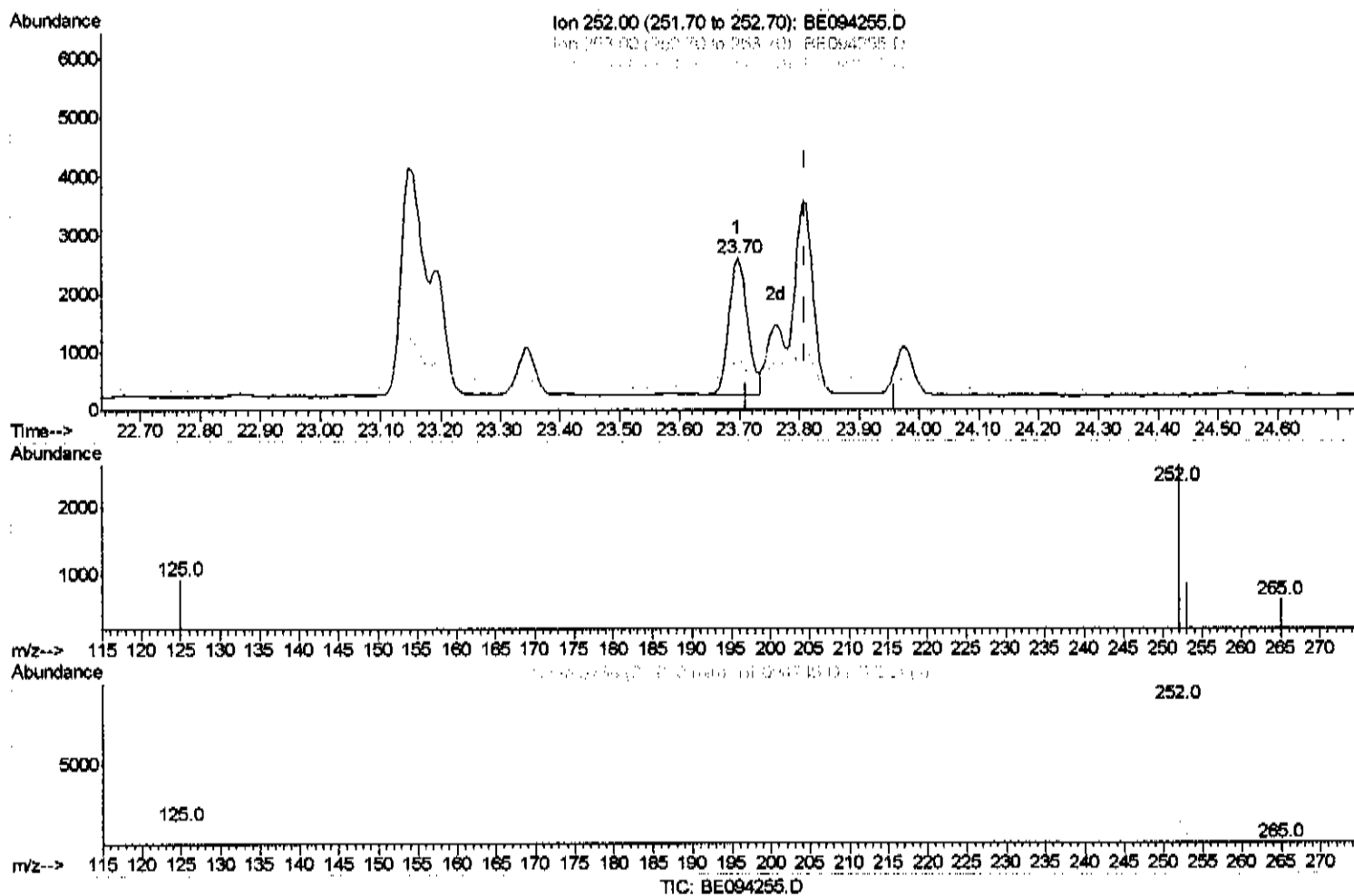
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
 Data File : BE094255.D  
 Acq On : 10 Oct 2017 15:32  
 Operator : SJ/JU  
 Sample : I5522-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AD9

Manual Integrations  
 APPROVED

Sohil  
 10/11/2017 7:19:48 PM

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 QLast Update : Wed Oct 11 06:34:16 2017  
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)  
 23.696min (-0.114) 0.16ng/ul  
 response 5171

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 32.32  |
| 125.00 | 22.60 | 35.12# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

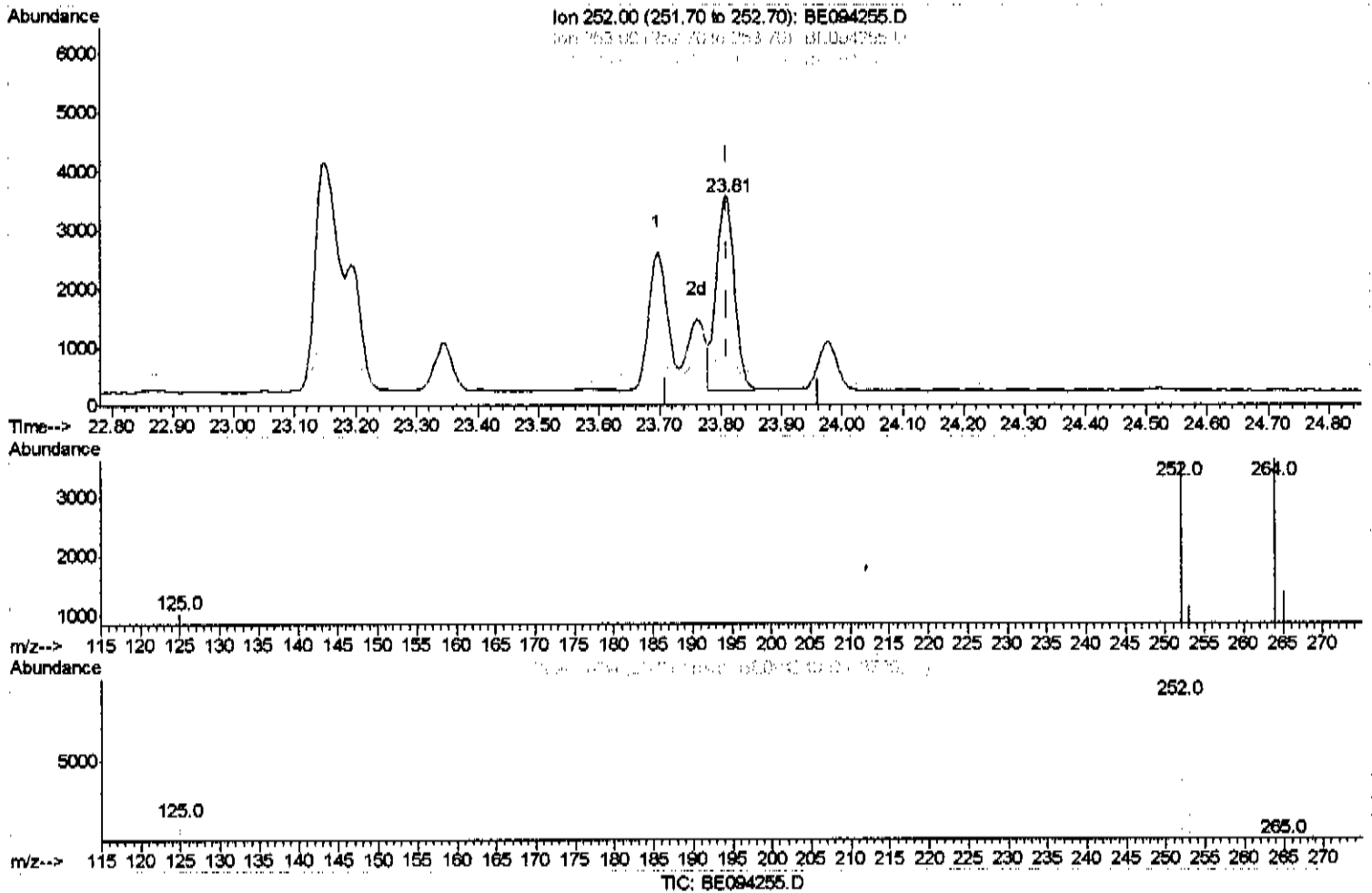
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
 Data File : BE094255.D  
 Acq On : 10 Oct 2017 15:32  
 Operator : SJ/JU  
 Sample : I5522-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AD9

Manual Integrations  
 APPROVED

Sohil  
 10/11/2017 7:19:48 PM

Quant Time: Oct 11 07:18:38 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
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 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.810min (-0.000) 0.21ng/ul m *SJ/JU 10/11/17*  
 response 6901

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 263.00 | 35.60 | 31.70  |
| 125.00 | 22.60 | 28.53% |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

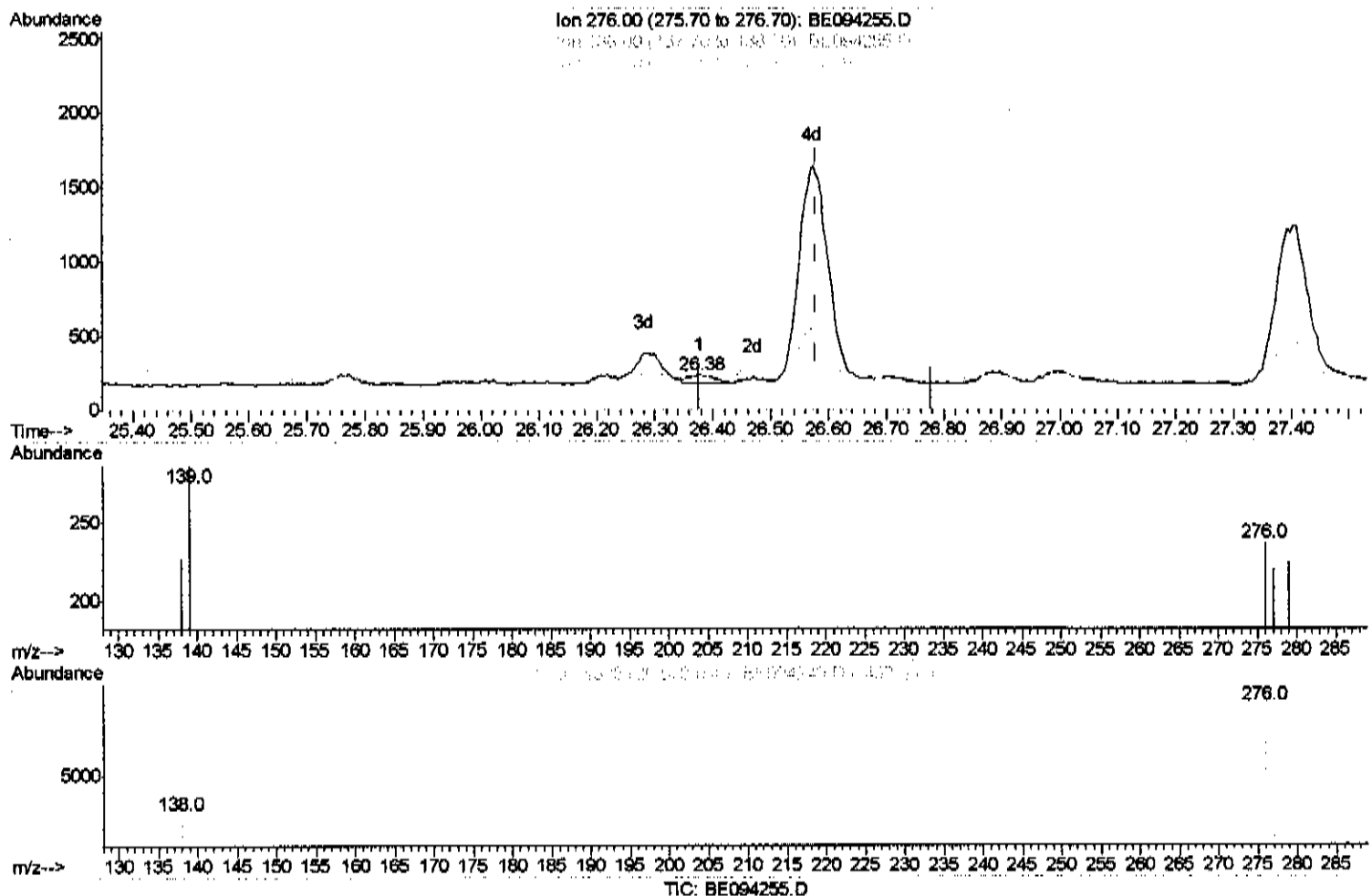
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
 Data File : BE094255.D  
 Acq On : 10 Oct 2017 15:32  
 Operator : SJ/JU  
 Sample : I5522-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AD9

Manual Integrations  
 APPROVED

Sohil  
 10/11/2017 7:19:48 PM

Quant Time: Oct 11 07:18:38 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
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(24) Indeno(1,2,3-cd)pyrene

26.377min (-0.201) 0.01ng/ul

response 177

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 35.00 | 12.43% |
| 227.00 | 10.00 | 0.00%  |
| 0.00   | 0.00  | 0.00   |



# Quantitation Report (Qedit)

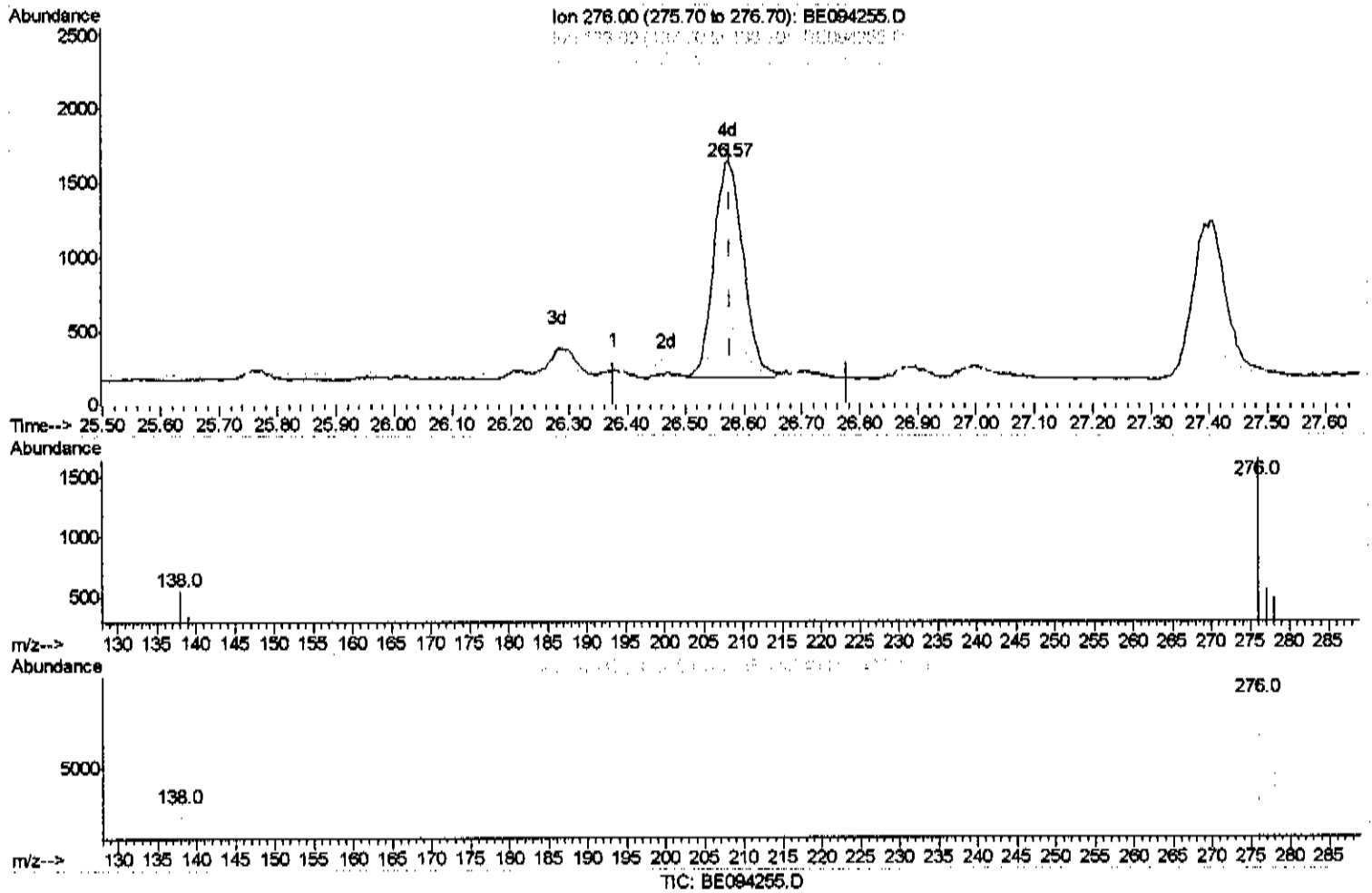
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
 Data File : BE094255.D  
 Acq On : 10 Oct 2017 15:32  
 Operator : SJ/JU  
 Sample : I5522-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AD9

Manual Integrations  
 APPROVED

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 Response via : Initial Calibration



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

26.573min (-0.005) 0.15ng/ul m

response 5130

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 0.43# |
| 227.00 | 10.00 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

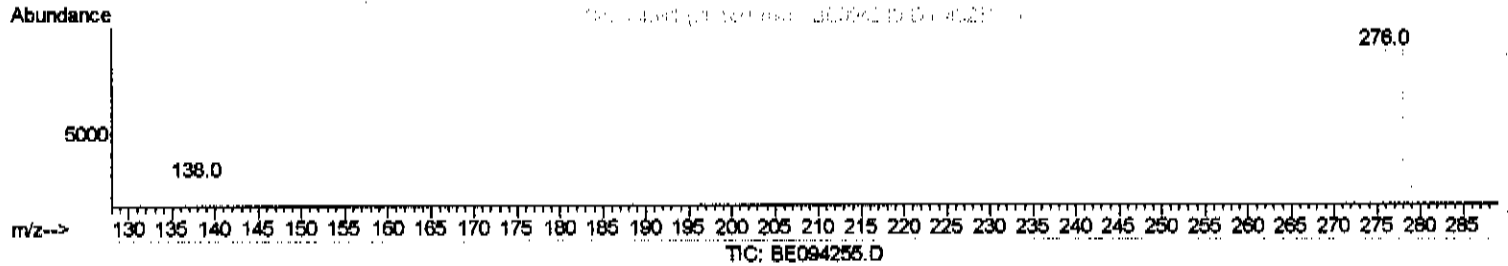
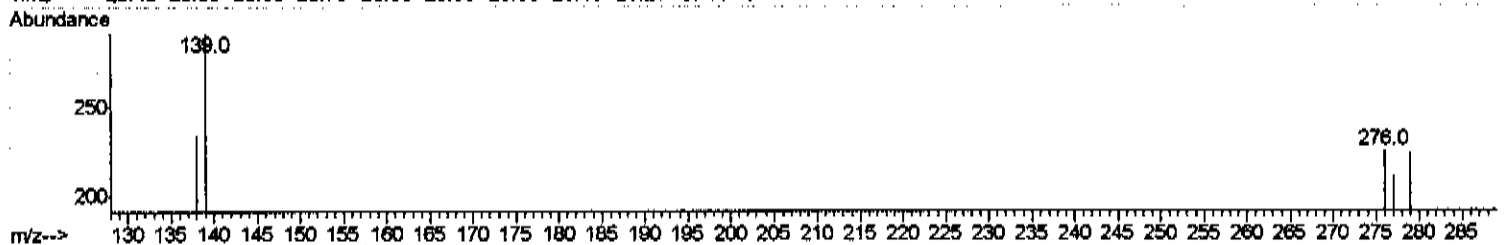
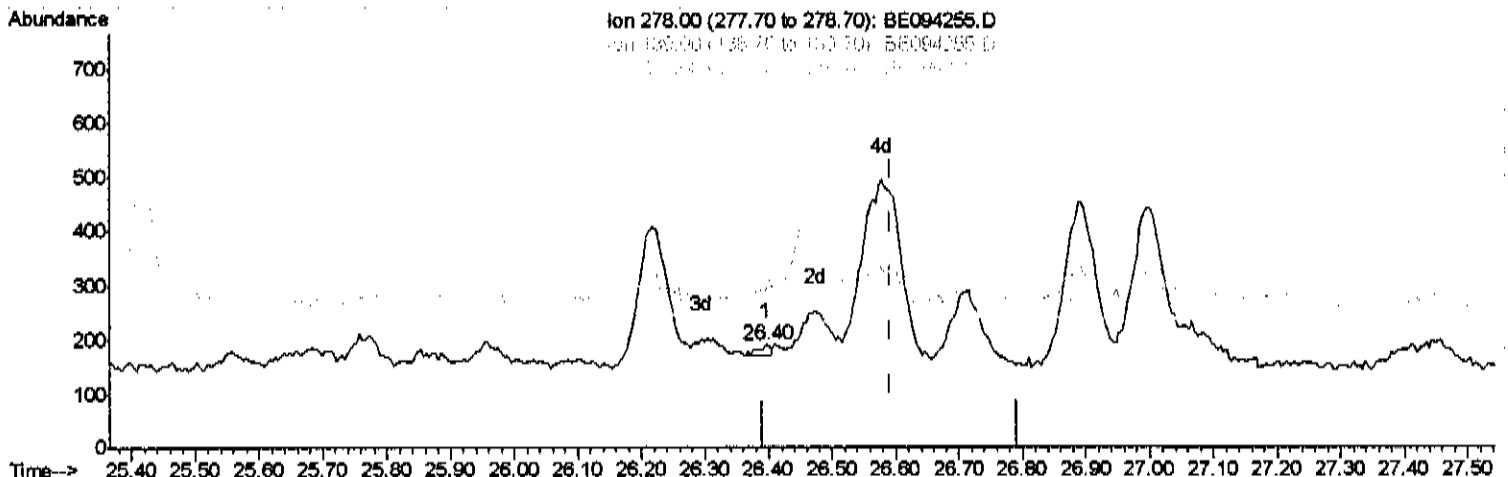
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
 Data File : BE094255.D  
 Acq On : 10 Oct 2017 15:32  
 Operator : SJ/JU  
 Sample : I5522-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

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Manual Integrations  
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(25) Dibenzo(a,h)anthracene

26.395min (-0.196) 0.00ng/ul

response 27

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 278.00 | 100   | 100     |
| 139.00 | 21.70 | 152.36# |
| 279.00 | 32.40 | 116.75# |
| 0.00   | 0.00  | 0.00    |

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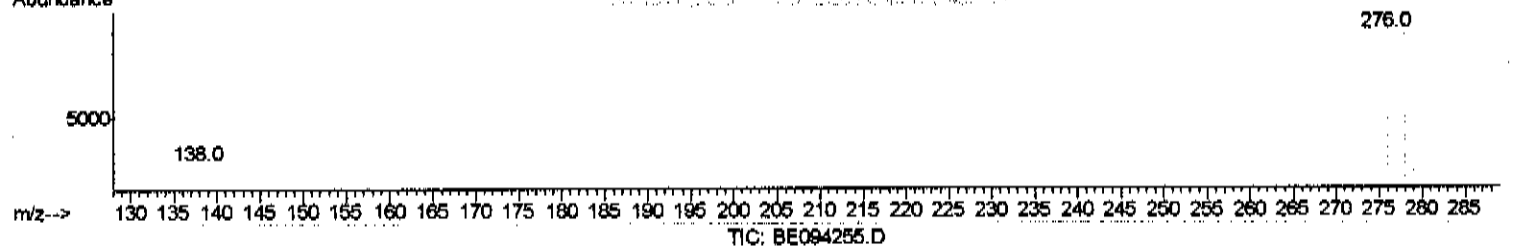
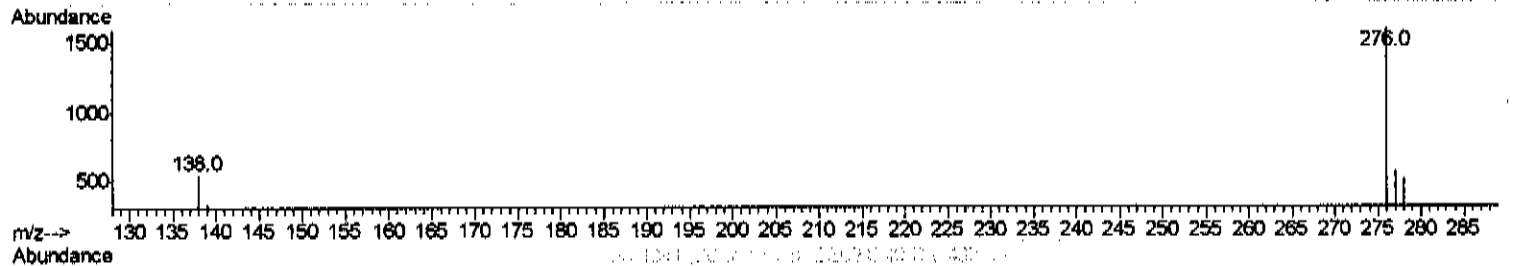
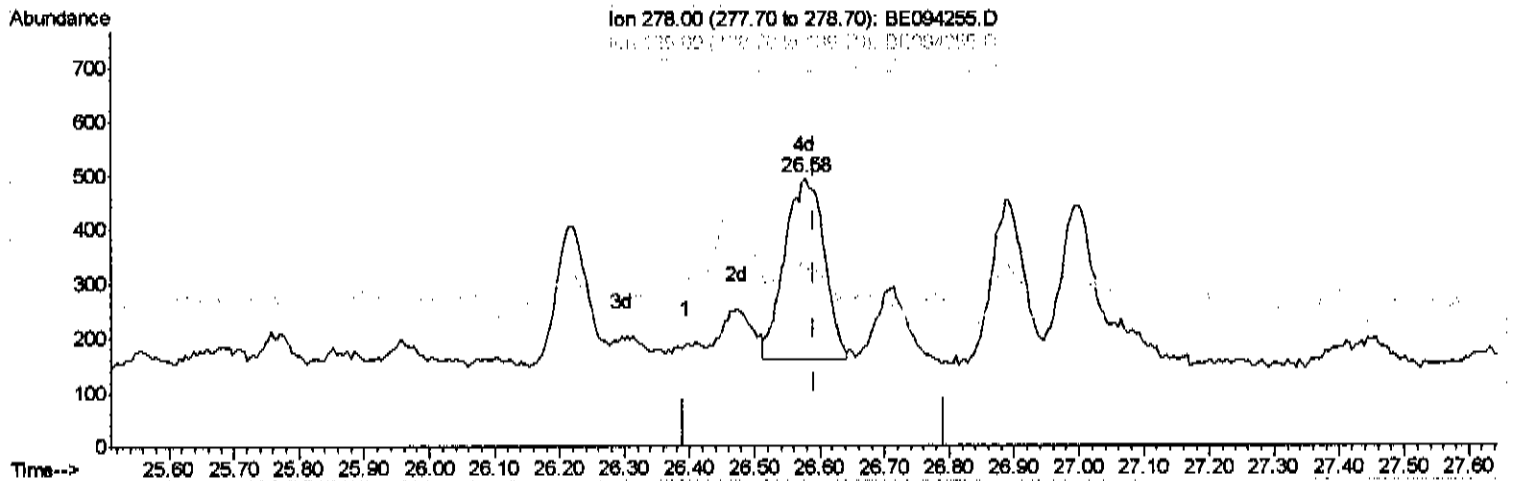
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
 Data File : BE094255.D  
 Acq On : 10 Oct 2017 15:32  
 Operator : SJ/JU  
 Sample : I5522-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AD9

Manual Integrations  
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Sohil  
 10/11/2017 7:19:48 PM

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(25) Dibenzo(a,h)anthracene

26.577min (-0.014) 0.05ng/ul m

response 1391

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 138.00 | 21.70 | 66.26% |
| 279.00 | 32.40 | 58.99% |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

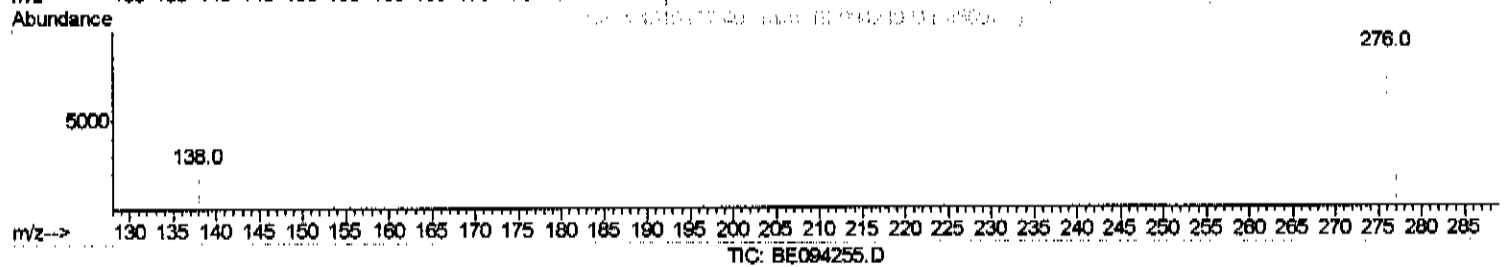
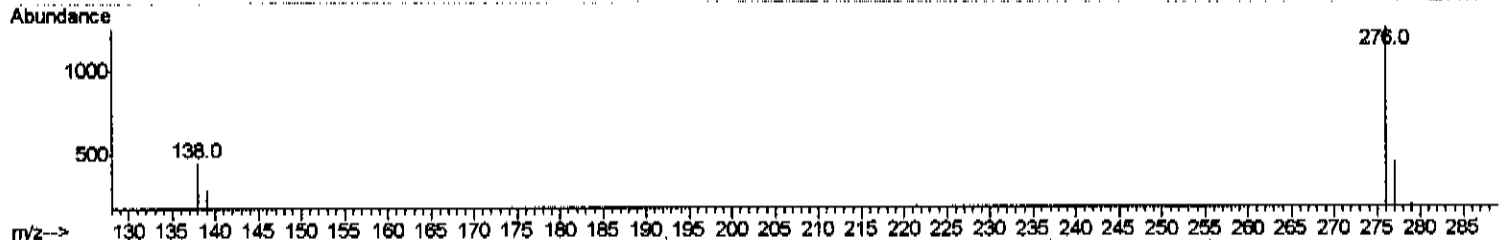
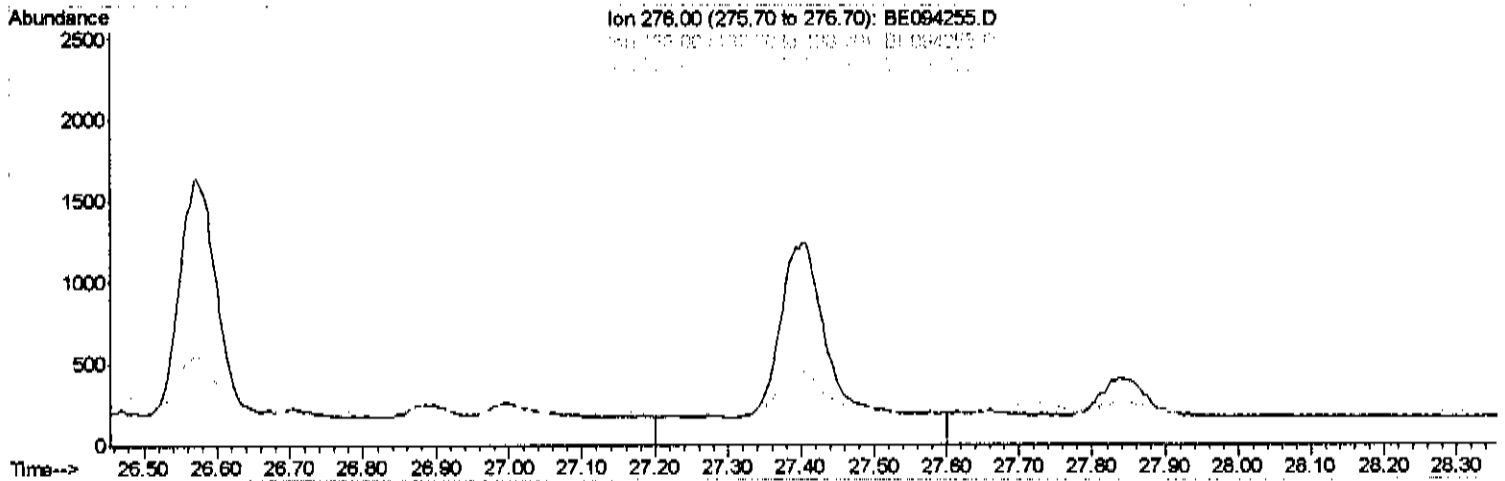
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
 Data File : BE094255.D  
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 Operator : SJ/JU  
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(26) Benzo(g,h,i)perylene

27.403min (-27.403) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 0.00  |
| 138.00 | 27.30 | 0.00# |
| 277.00 | 25.60 | 0.00# |
| 0.00   | 0.00  | 0.00  |

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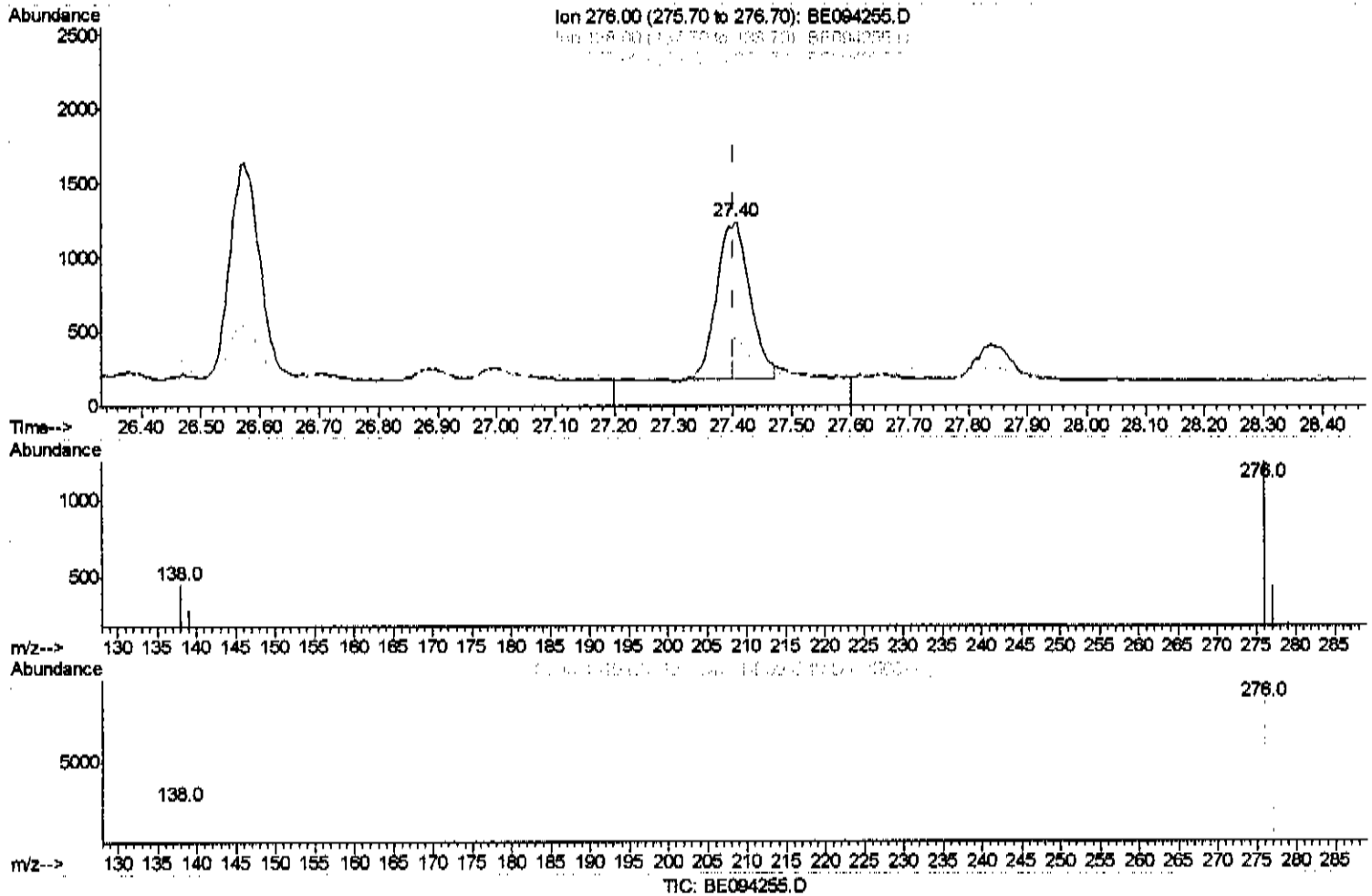
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(26) Benzo(g,h,i)perylene

27.402min (-0.000) 0.14ng/ul m

response 4133

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 27.30 | 36.42# |
| 277.00 | 25.60 | 35.94# |
| 0.00   | 0.00  | 0.00   |

*su 10/11/17*

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| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.90  | 152  | 1830     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.69 | 136  | 9561     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.51 | 164  | 5512     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.24 | 188  | 11833    | 0.40 | ng/ul | -0.02    |
| 16) Chrysene-d12          | 21.41 | 240  | 11765    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.92 | 264  | 11630m   | 0.40 | ng/ul | > 0.00   |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 1106     | 0.07 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.27 | 212  | 3040     | 0.08 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 12) Phenanthrene           | 17.29 | 178  | 1753     | 0.057 | ng/ul# | 95     |
| 15) Fluoranthene           | 19.30 | 202  | 4911     | 0.121 | ng/ul  | 85     |
| 17) Pyrene                 | 19.66 | 202  | 5034     | 0.154 | ng/ul# | 88     |
| 18) Benzo(a)anthracene     | 21.39 | 228  | 4359     | 0.140 | ng/ul# | 88     |
| 19) Chrysene               | 21.45 | 228  | 5357     | 0.149 | ng/ul# | 89     |
| 21) Benzo(b)fluoranthene   | 23.15 | 252  | 8883     | 0.281 | ng/ul  | 93     |
| 22) Benzo(k)fluoranthene   | 23.19 | 252  | 3738m    | 0.102 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.81 | 252  | 6901m    | 0.210 | ng/ul  |        |
| 24) Indeno(1,2,3-cd)pyrene | 26.57 | 276  | 5130m    | 0.153 | ng/ul  |        |
| 25) Dibenzo(a,h)anthracene | 26.58 | 278  | 1391m    | 0.049 | ng/ul  |        |
| 26) Benzo(a,h,i)perylene   | 27.40 | 276  | 4133m    | 0.143 | ng/ul  |        |

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