

# Quantitation Report (QT Reviewed)

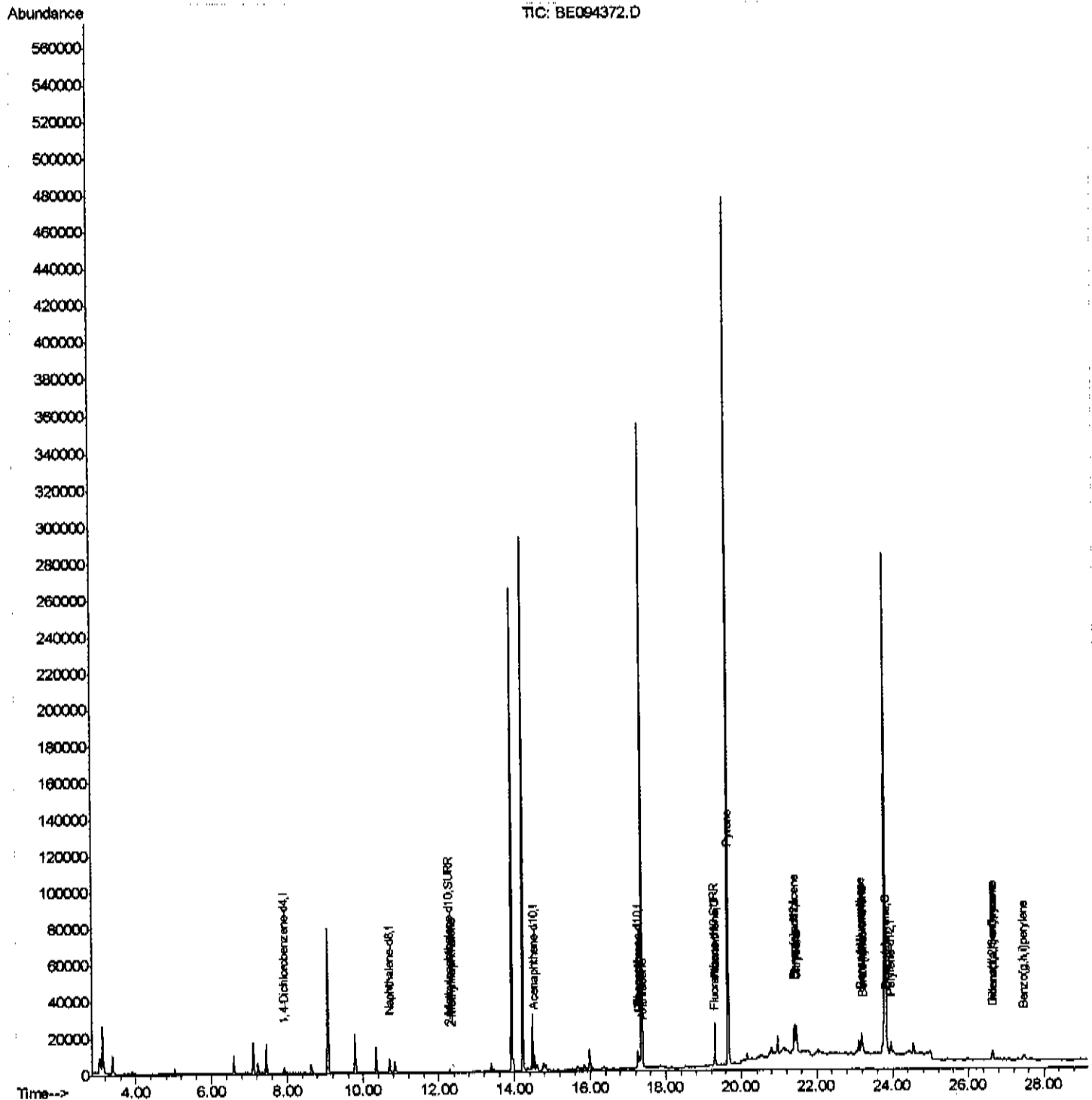
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094372.D  
 Acq On : 15 Oct 2017 1:32  
 Operator : SJ/JU  
 Sample : I5548-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AB5

Manual Integrations  
 APPROVED

Sohil  
 10/16/2017 8:25:32 PM

Quant Time: Oct 16 05:23:51 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 05:09:03 2017  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

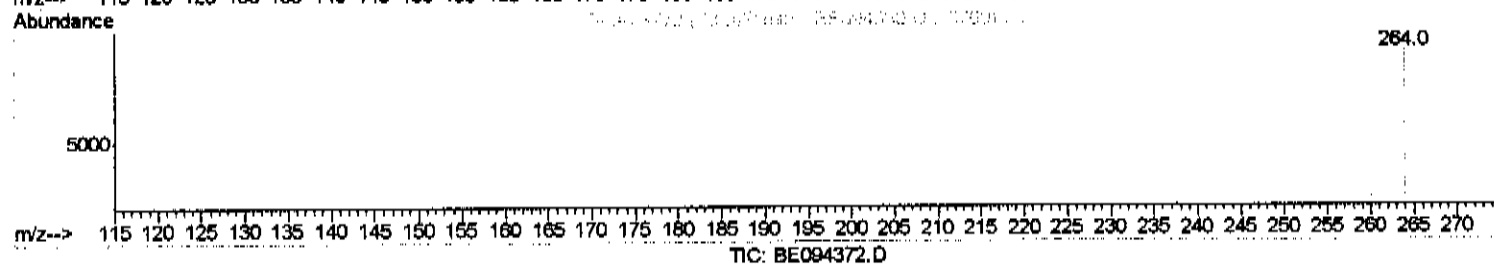
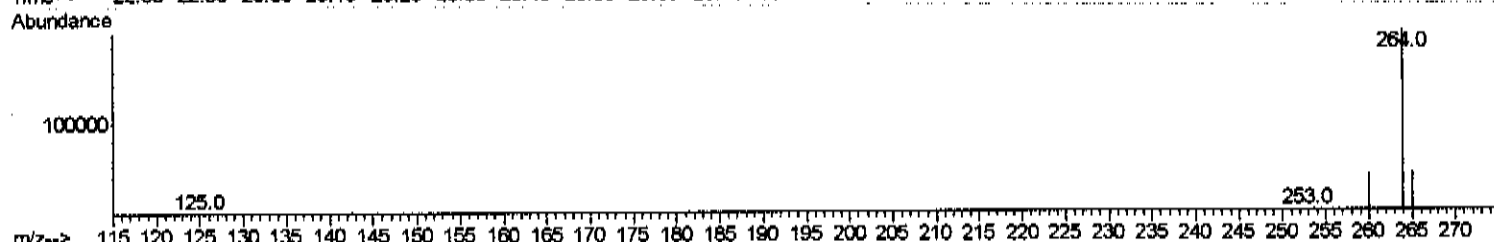
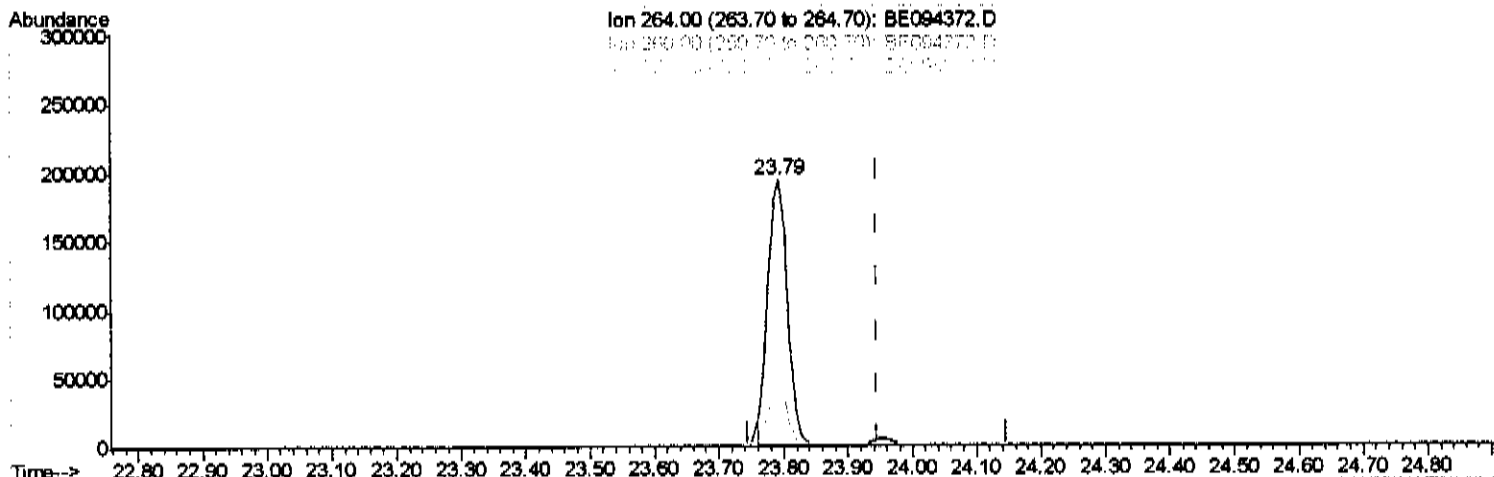
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094372.D  
 Acq On : 15 Oct 2017 1:32  
 Operator : SJ/JU  
 Sample : I5548-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AB5

Manual Integrations  
 APPROVED

Sohil  
 10/16/2017 8:25:32 PM

Quant Time: Oct 16 05:09:14 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 05:09:03 2017  
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.792min (-0.155) 0.40ng/ul

response 399831

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 20.72# |
| 265.00 | 103.50 | 21.76# |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

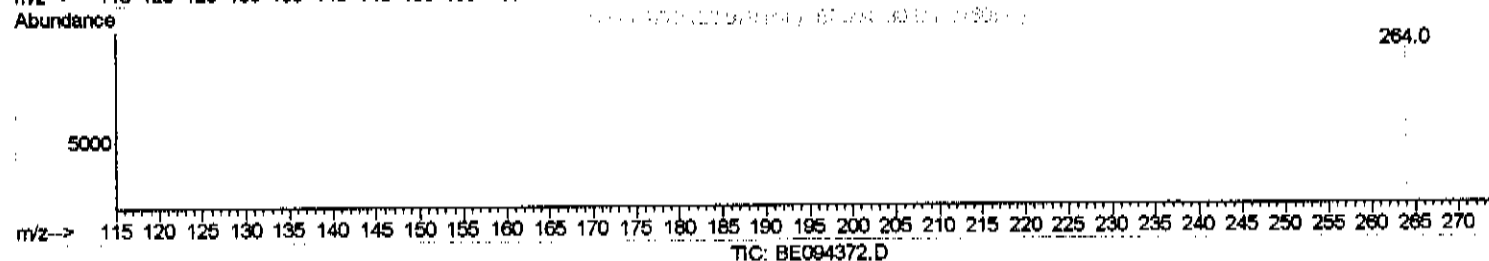
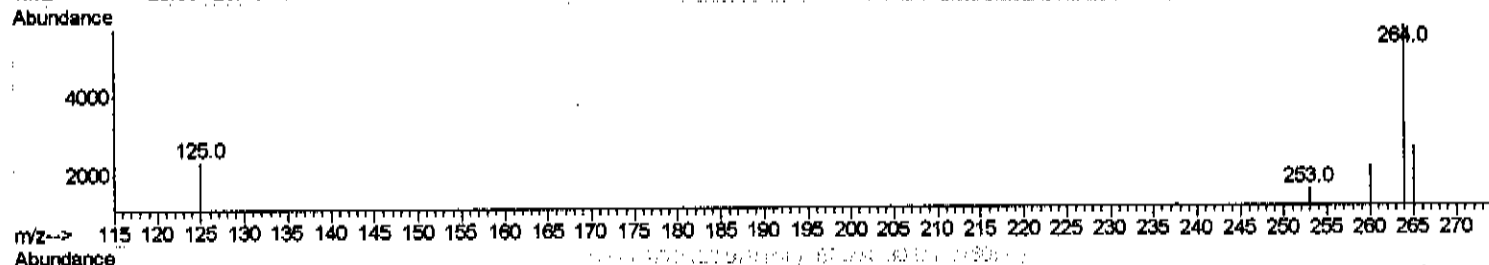
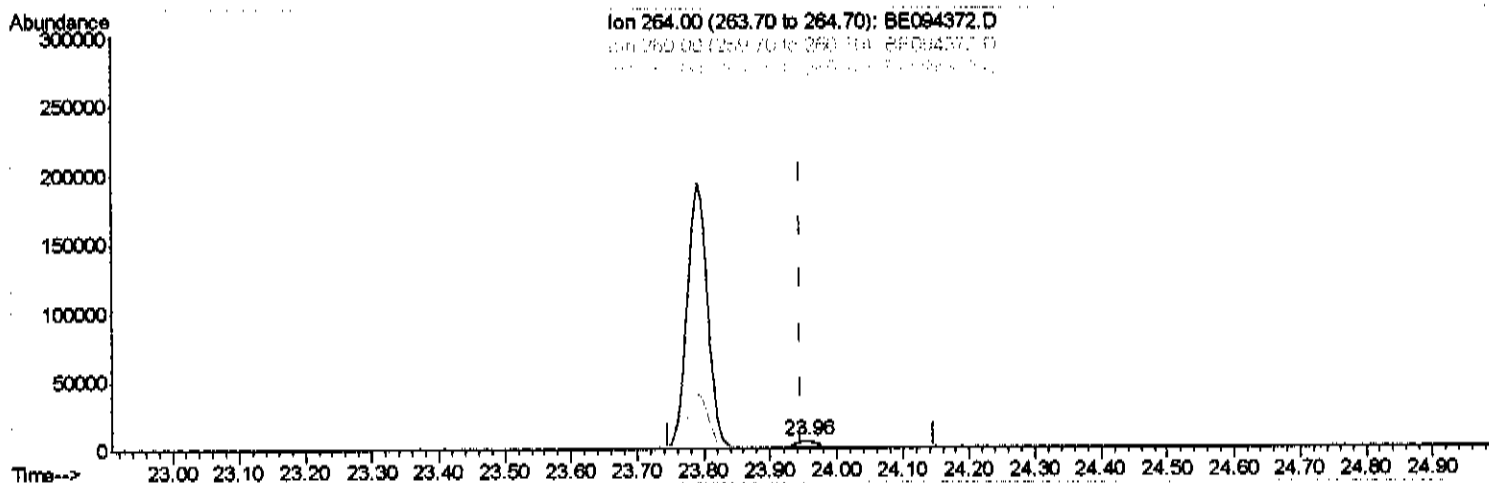
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094372.D  
 Acq On : 15 Oct 2017 1:32  
 Operator : SJ/JU  
 Sample : I5548-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AB5

Manual Integrations  
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Sohil  
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 QLast Update : Mon Oct 16 05:09:03 2017  
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.956min (+0.009) 0.40ng/uL *mg 10/16/17*

response 10043

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 37.80% |
| 265.00 | 103.50 | 45.92% |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

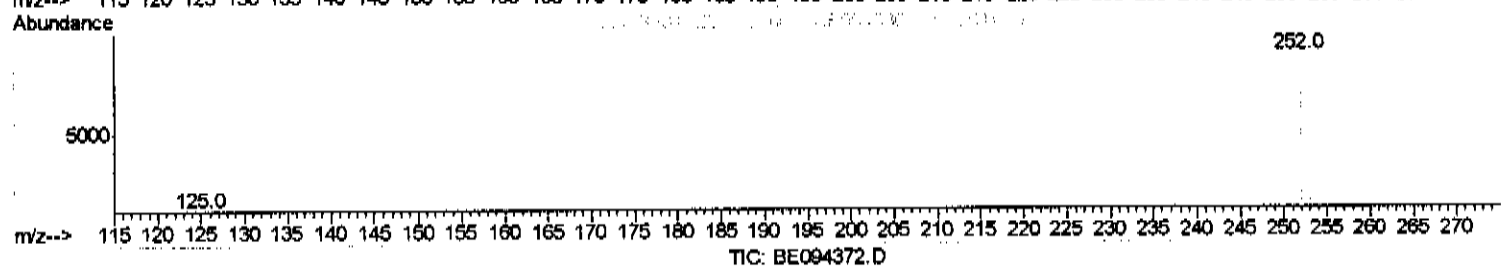
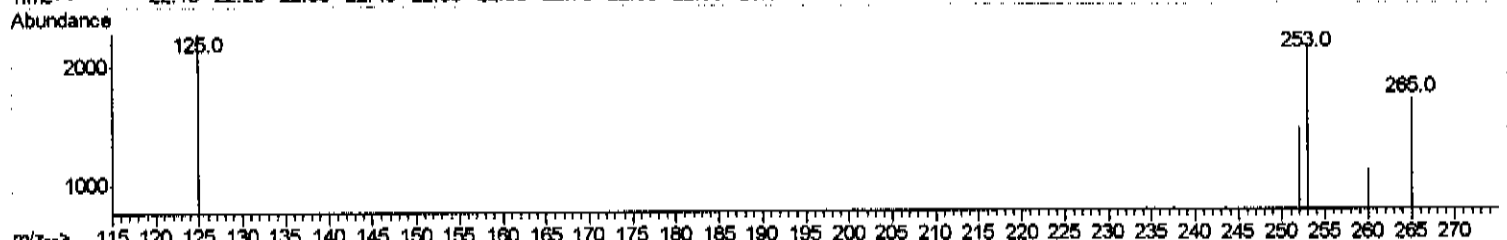
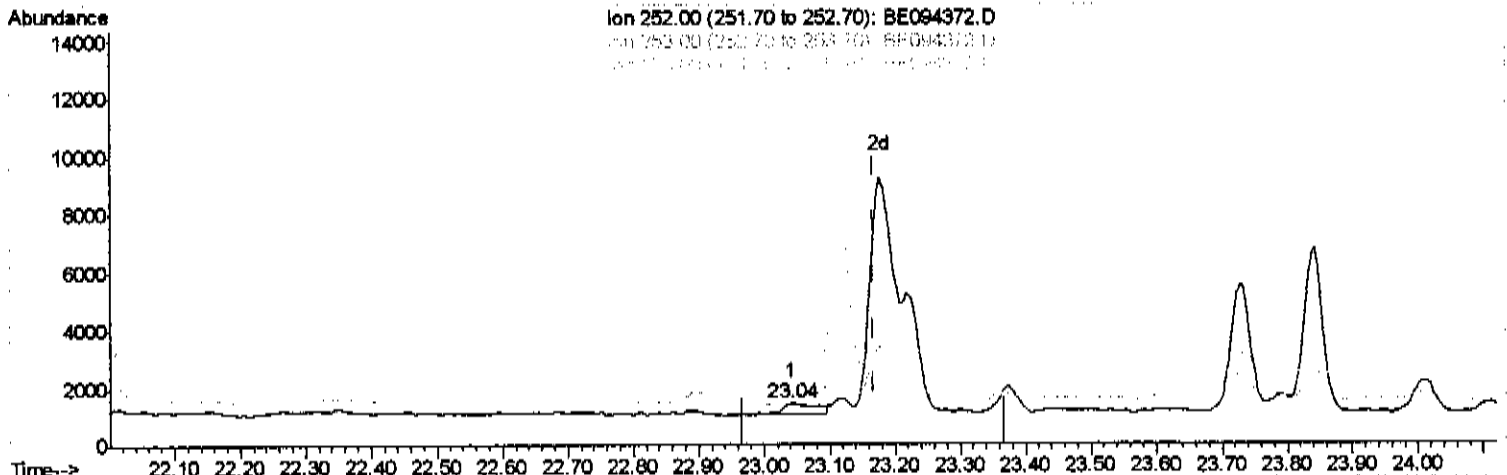
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
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Manual Integrations  
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 Response via : Initial Calibration



(21) Benzo(b)fluoranthene  
 23.040min (-0.127) 0.05ng/ul  
 response 1316  

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 32.10 | 148.72# |
| 125.00 | 17.50 | 157.65# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

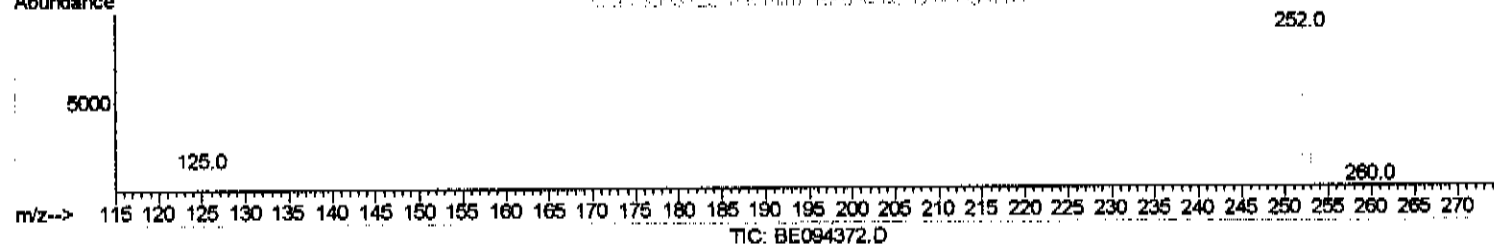
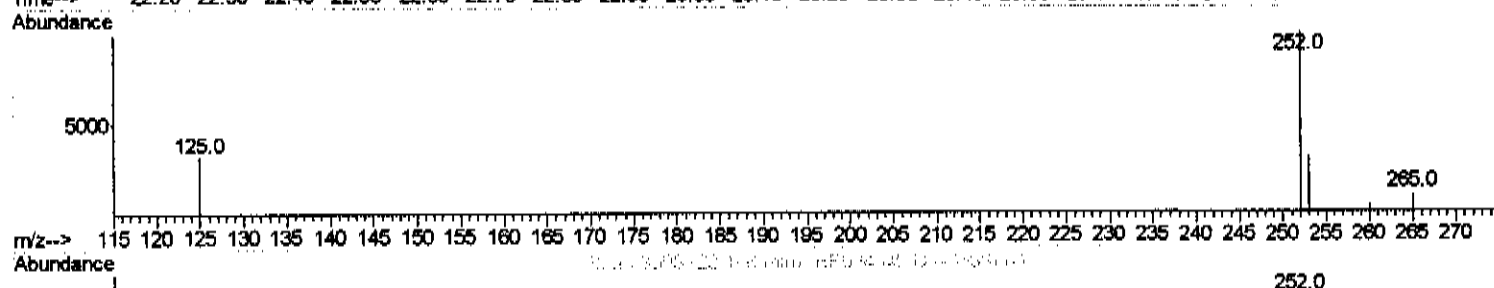
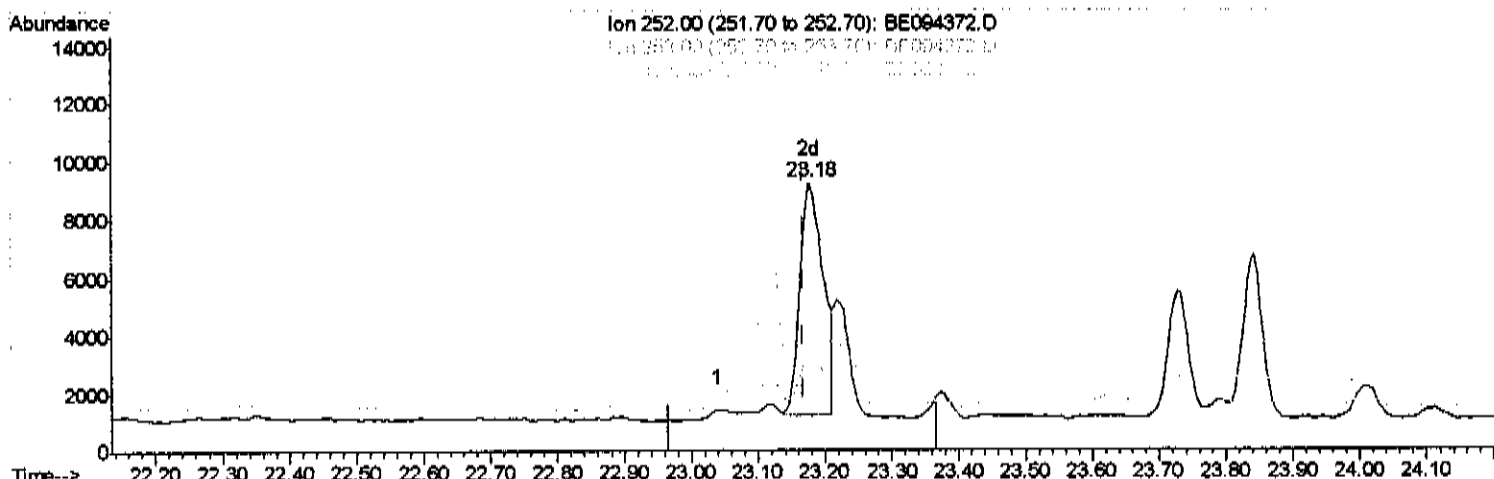
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094372.D  
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 Operator : SJ/JU  
 Sample : I5548-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AB5

Manual Integrations  
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 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 05:09:03 2017  
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(21) Benzo(b)fluoranthene

23.177min (+0.009) 0.72ng/ul m

response 19751

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 32.10 | 36.61  |
| 125.00 | 17.50 | 37.25# |
| 0.00   | 0.00  | 0.00   |

*JH 10/16/17*

# Quantitation Report (Qedit)

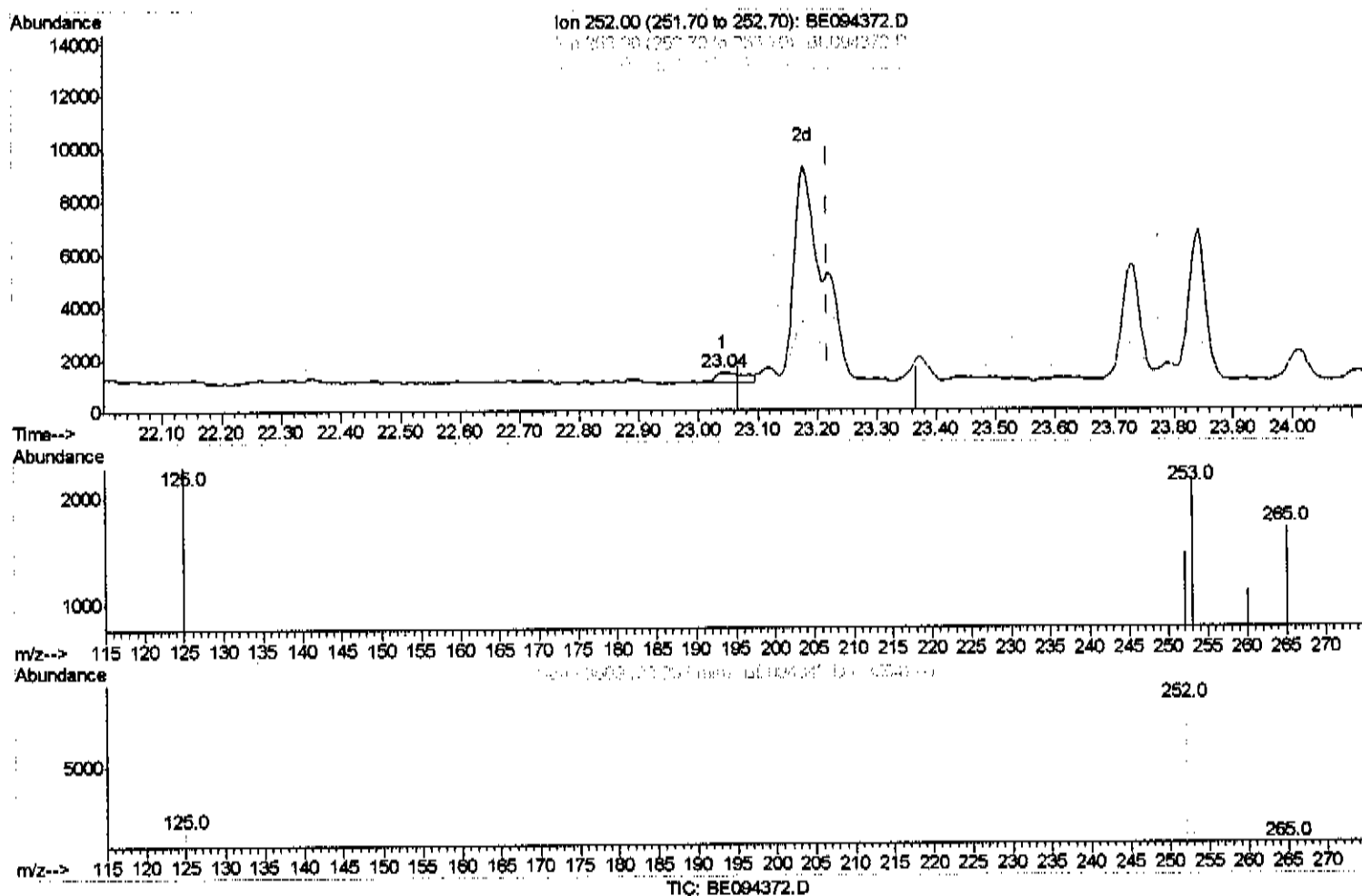
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094372.D  
 Acq On : 15 Oct 2017 1:32  
 Operator : SJ/JU  
 Sample : I5548-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AB5

Manual Integrations  
 APPROVED

Sohil  
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(22) Benzo(k)fluoranthene

23.040min (-0.177) 0.04ng/ul

response 1316

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 30.60 | 148.72# |
| 125.00 | 17.10 | 157.65# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

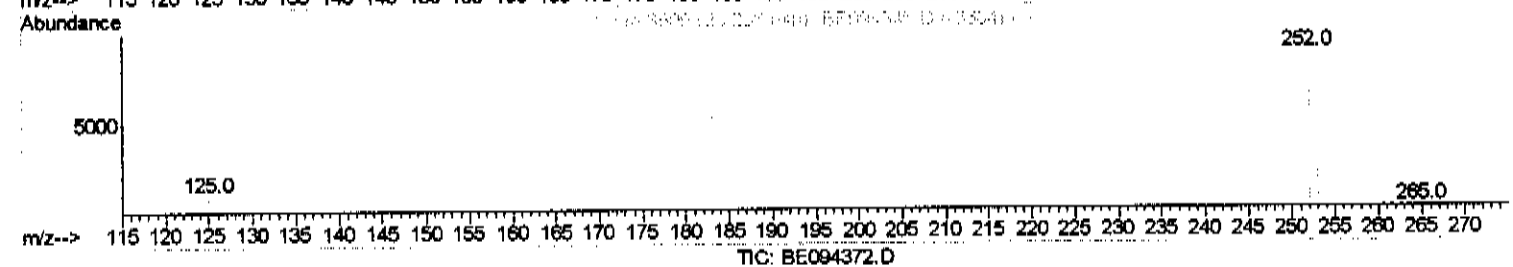
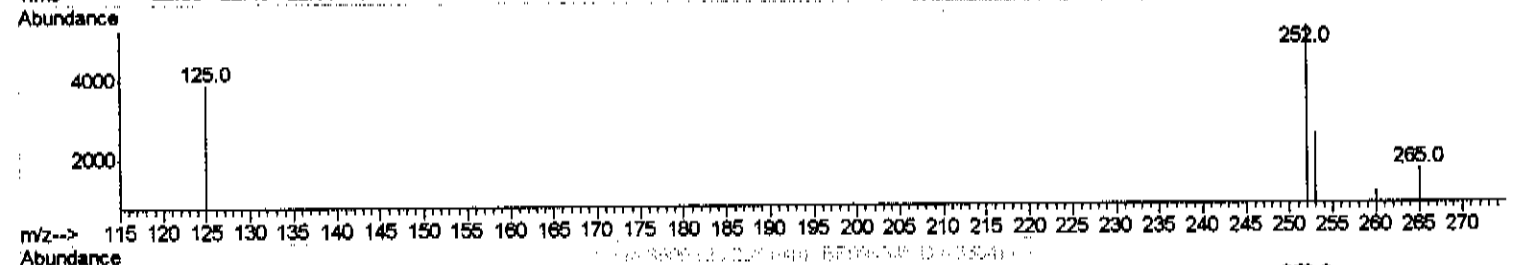
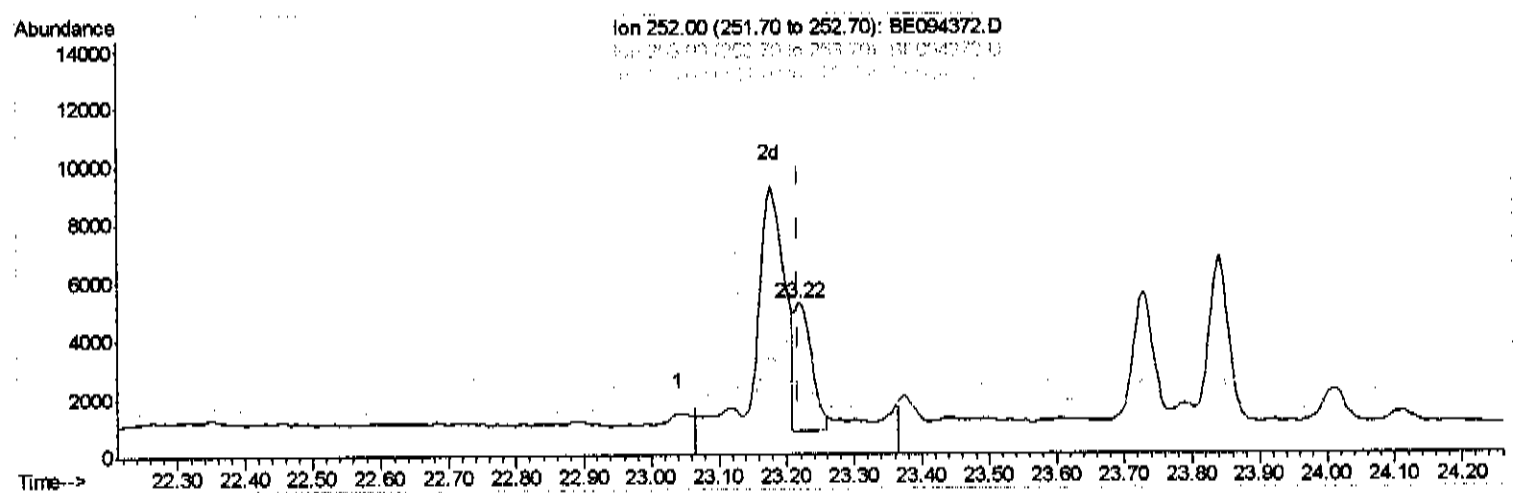
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094372.D  
 Acq On : 15 Oct 2017 1:32  
 Operator : SJ/JU  
 Sample : I5548-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AB5

Manual Integrations  
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(22) Benzo(k)fluoranthene

23.218min (+0.000) 0.24ng/ul m

response 7628

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 47.96% |
| 125.00 | 17.10 | 73.86% |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

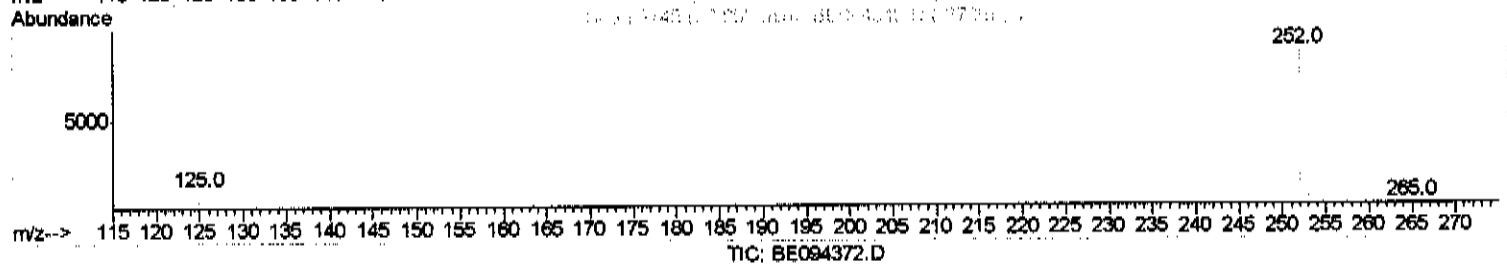
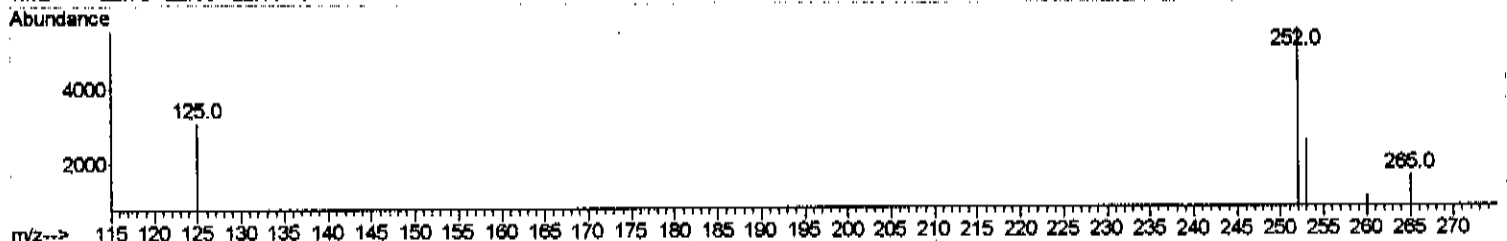
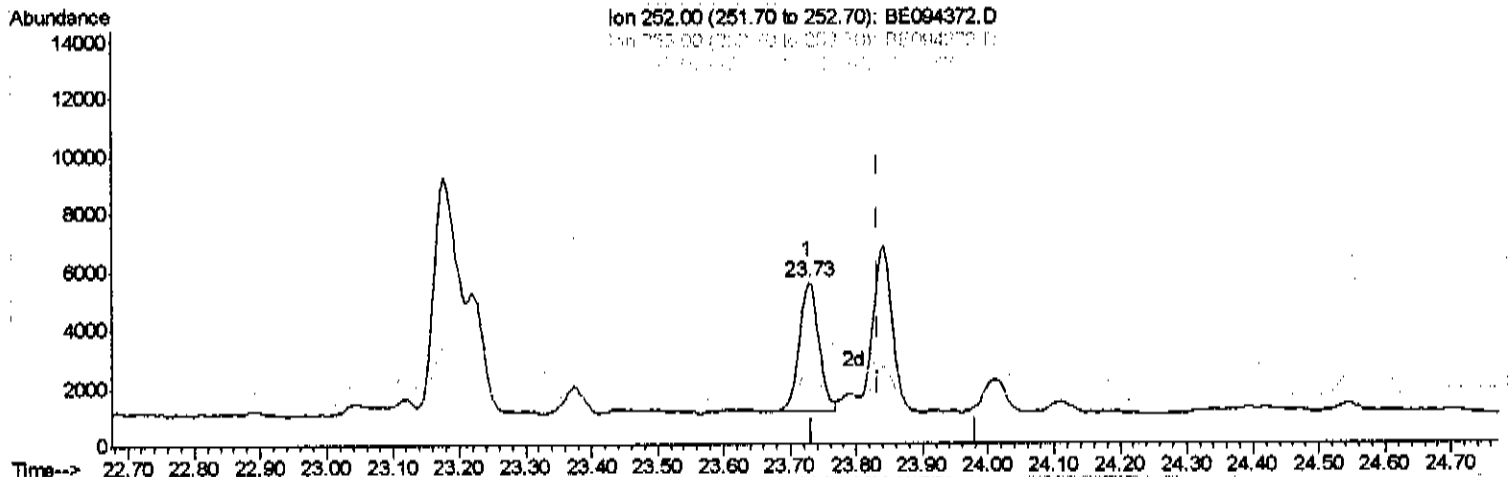
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094372.D  
 Acq On : 15 Oct 2017 1:32  
 Operator : SJ/JU  
 Sample : I5548-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AB5

Manual Integrations  
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(23) Benzo(a)pyrene (C)  
 23.728min (-0.105) 0.33ng/ul  
 response 9345

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 45.81# |
| 125.00 | 22.60 | 55.92# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

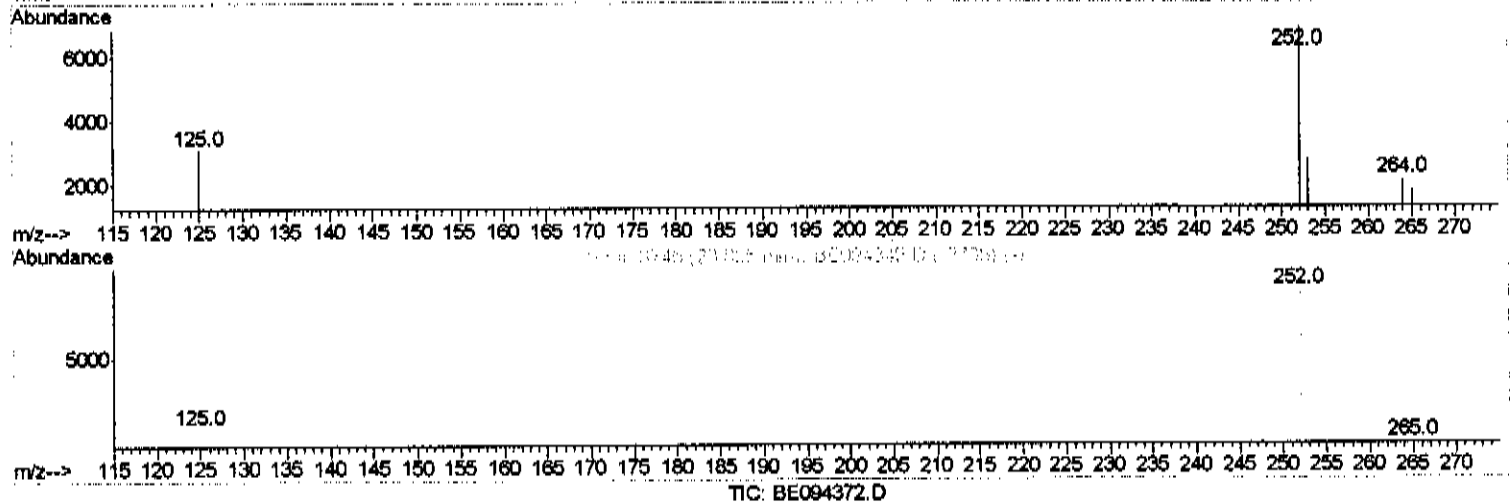
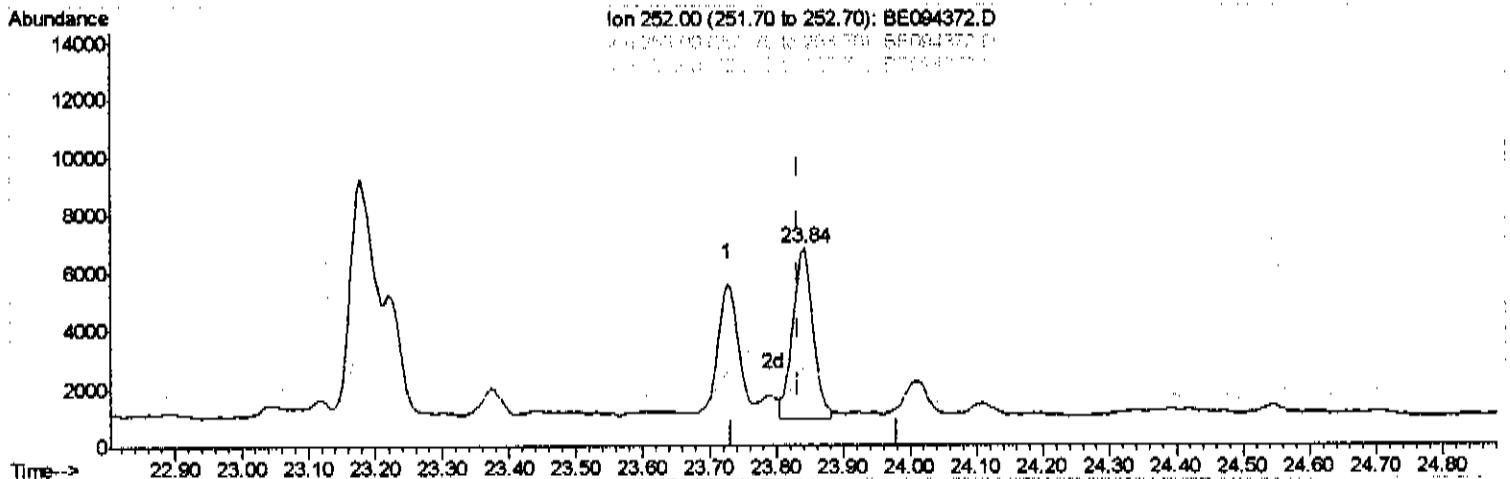
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094372.D  
 Acq On : 15 Oct 2017 1:32  
 Operator : SJ/JU  
 Sample : I5548-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AB5

Manual Integrations  
 APPROVED

Sohil  
 10/16/2017 8:25:32 PM

Quant Time: Oct 16 05:21:33 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
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 QLast Update : Mon Oct 16 05:09:03 2017  
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.842min (+0.009) 0.43ng/ul m

response 12155

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 39.70  |
| 125.00 | 22.60 | 44.91# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

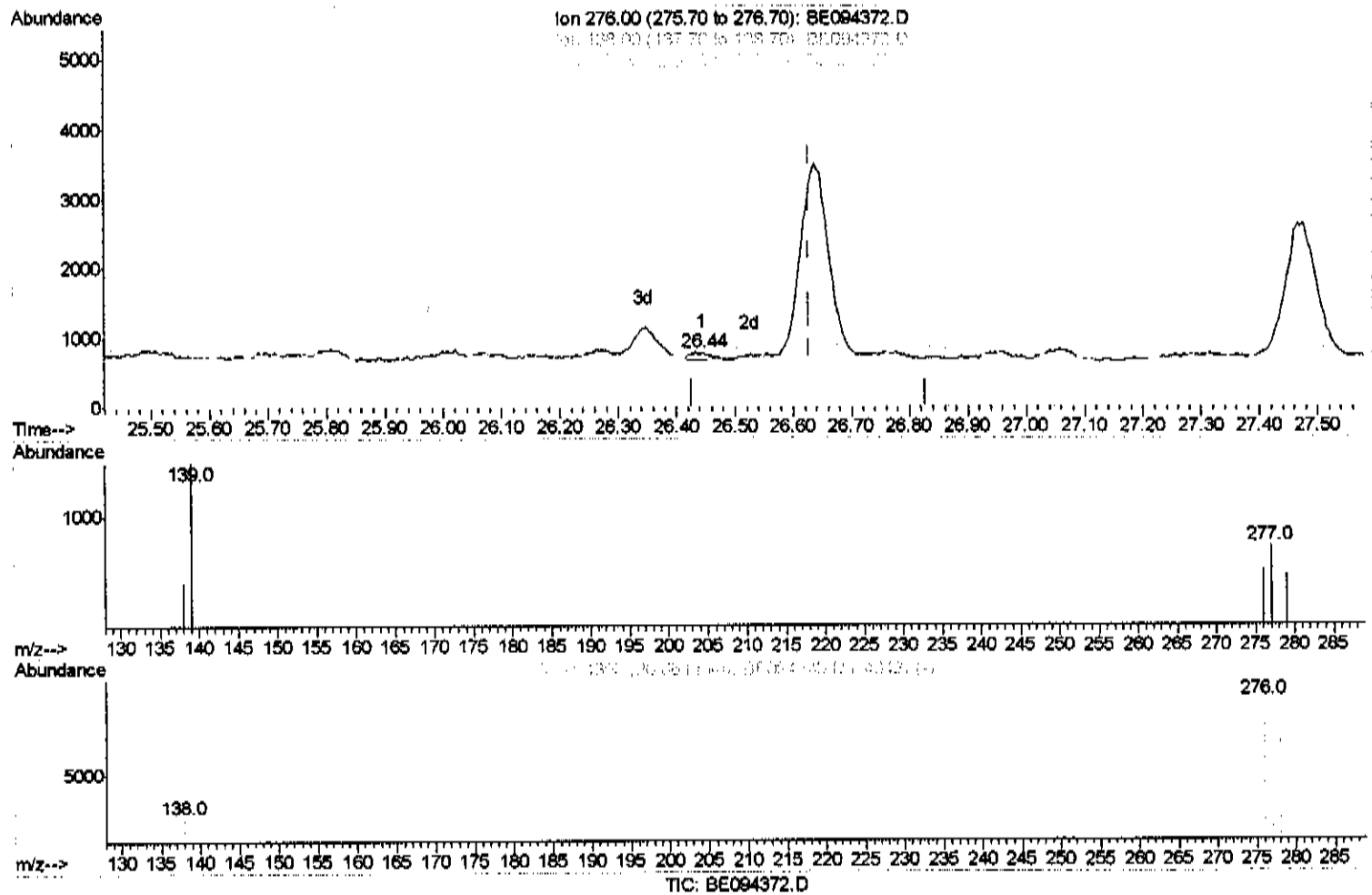
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094372.D  
 Acq On : 15 Oct 2017 1:32  
 Operator : SJ/JU  
 Sample : I5548-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AB5

Manual Integrations  
 APPROVED

Sohil  
 10/16/2017 8:25:32 PM

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

26.444min (-0.183) 0.01ng/ui

response 193

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 35.00 | 19.17% |
| 227.00 | 10.00 | 0.00%  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

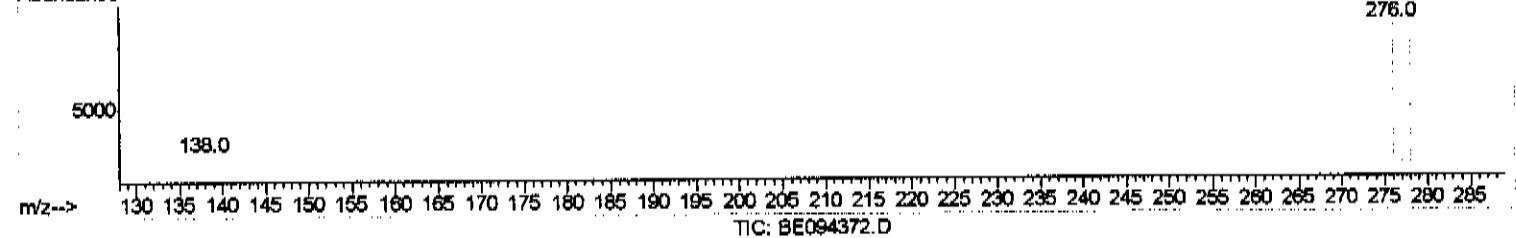
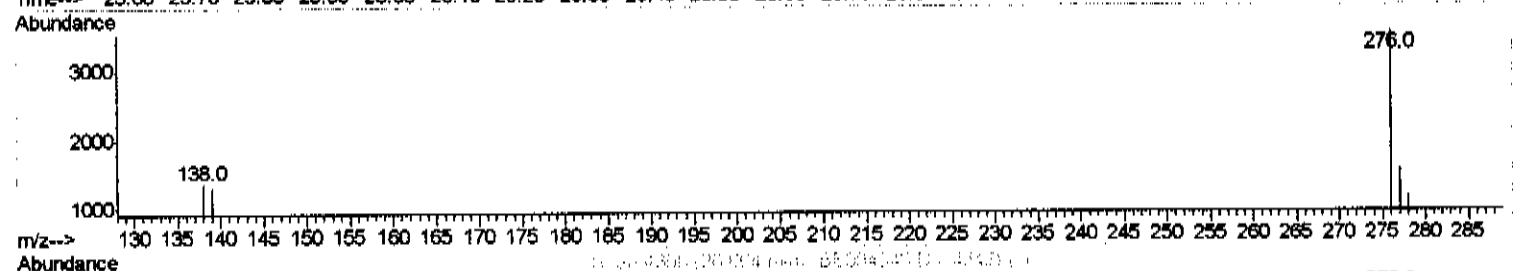
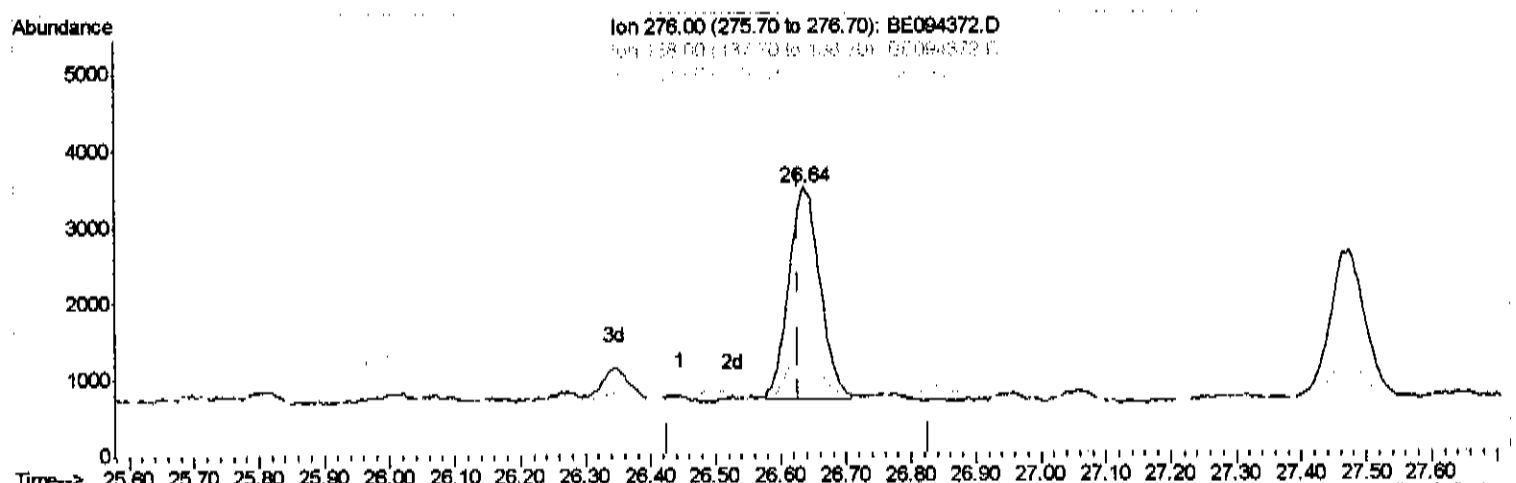
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094372.D  
 Acq On : 15 Oct 2017 1:32  
 Operator : SJ/JU  
 Sample : I5548-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

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 BNA\_E  
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 C0AB5

Manual Integrations  
 APPROVED

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

26.636min (+0.009) 0.32ng/ul m

response 9214

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 0.40% |
| 227.00 | 10.00 | 0.00% |
| 0.00   | 0.00  | 0.00  |

*for 10/16/17*

# Quantitation Report (Qedit)

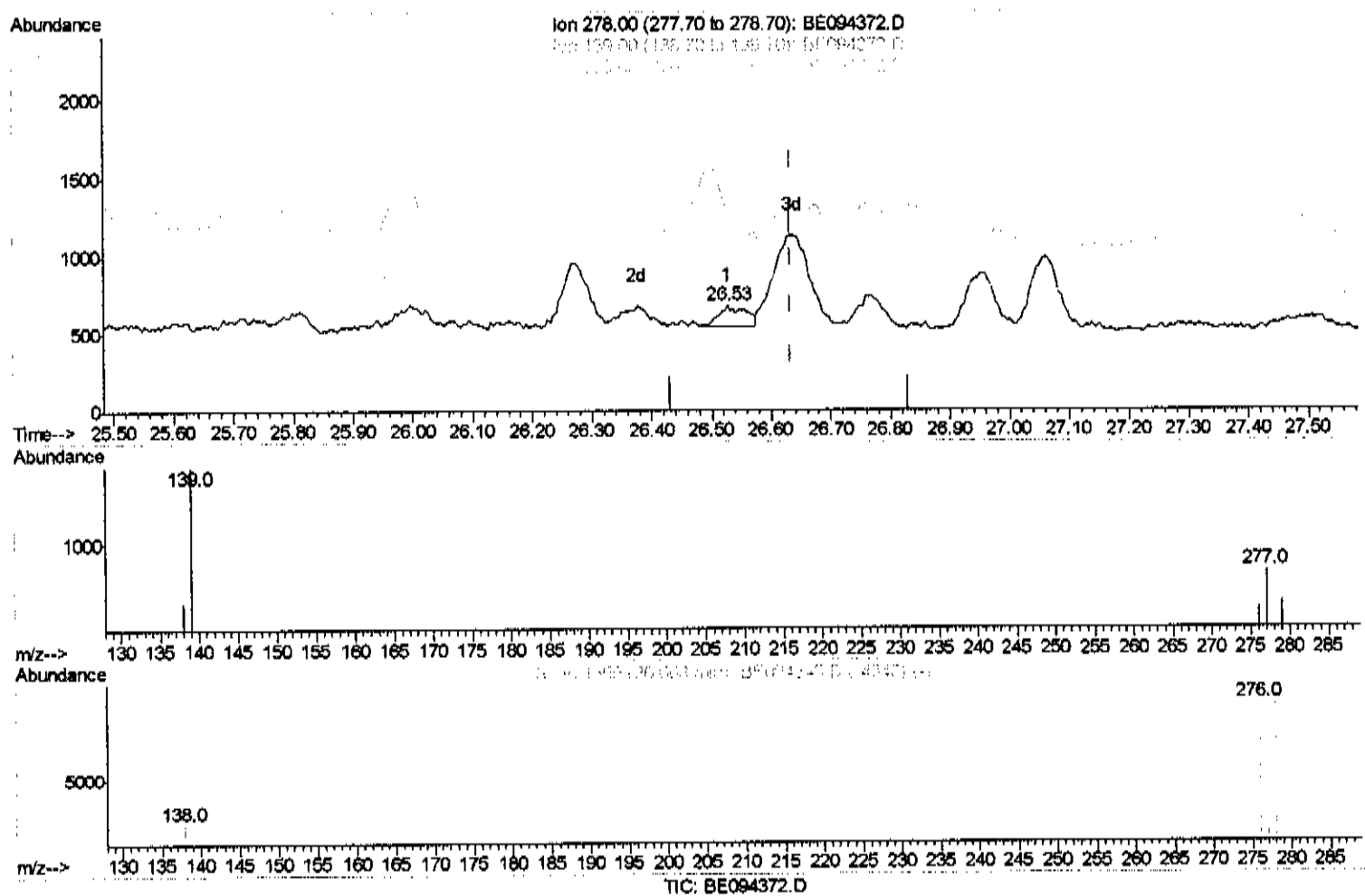
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094372.D  
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(25) Dibenzo(a,h)anthracene

26.528min (-0.105) 0.02ng/ul

response 404

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 278.00 | 100   | 100     |
| 139.00 | 21.70 | 189.41# |
| 279.00 | 32.40 | 114.56# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

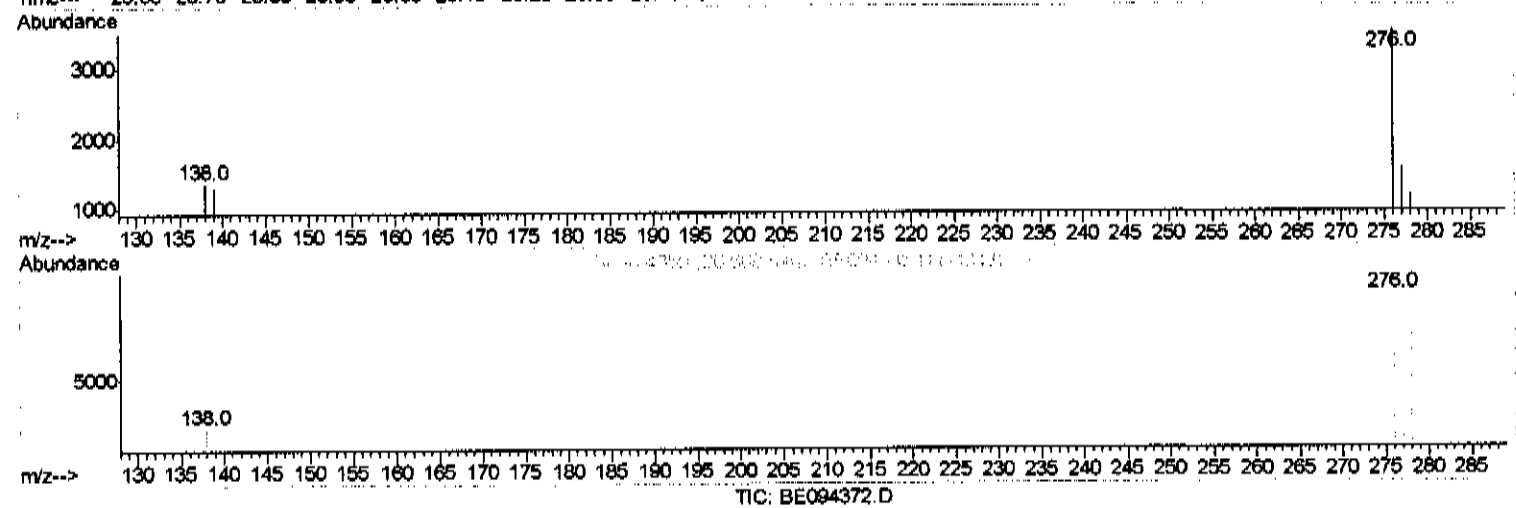
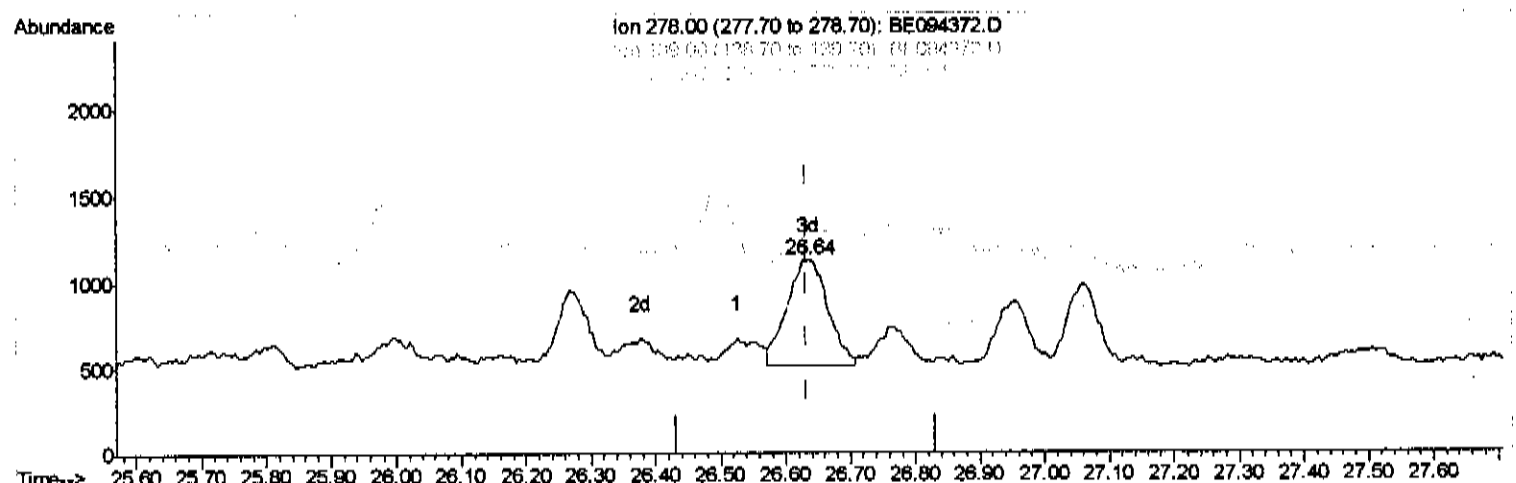
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(25) Dibenzo(a,h)anthracene

26.636min (+0.004) 0.11ng/uL

response 2649

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 278.00 | 100   | 100     |
| 139.00 | 21.70 | 114.40% |
| 279.00 | 32.40 | 80.30%  |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

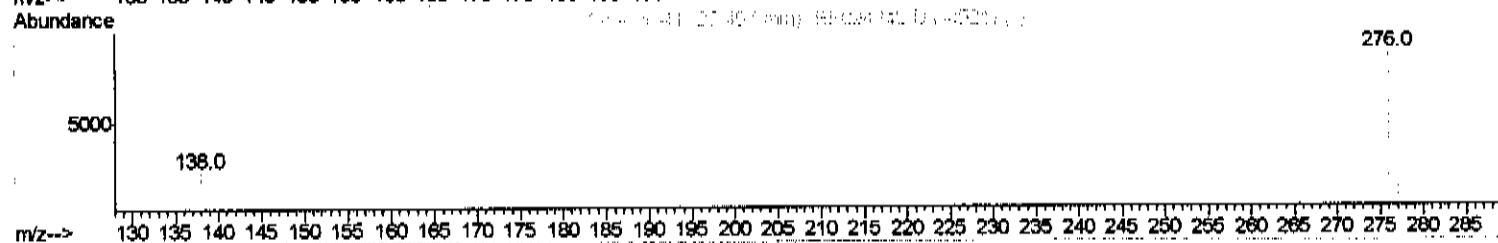
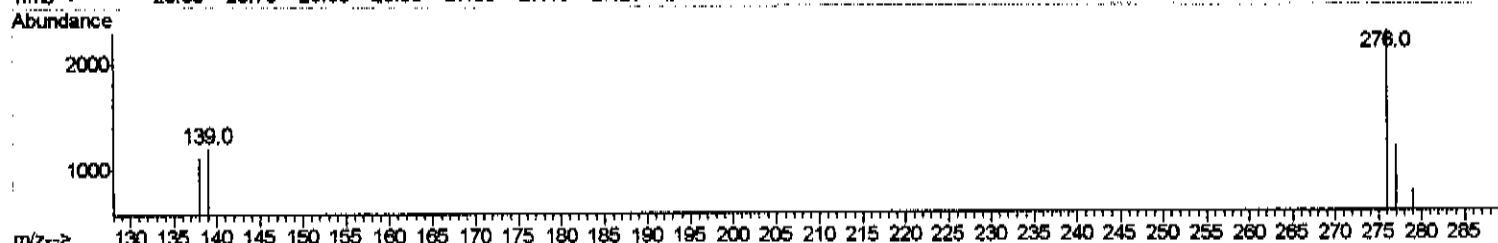
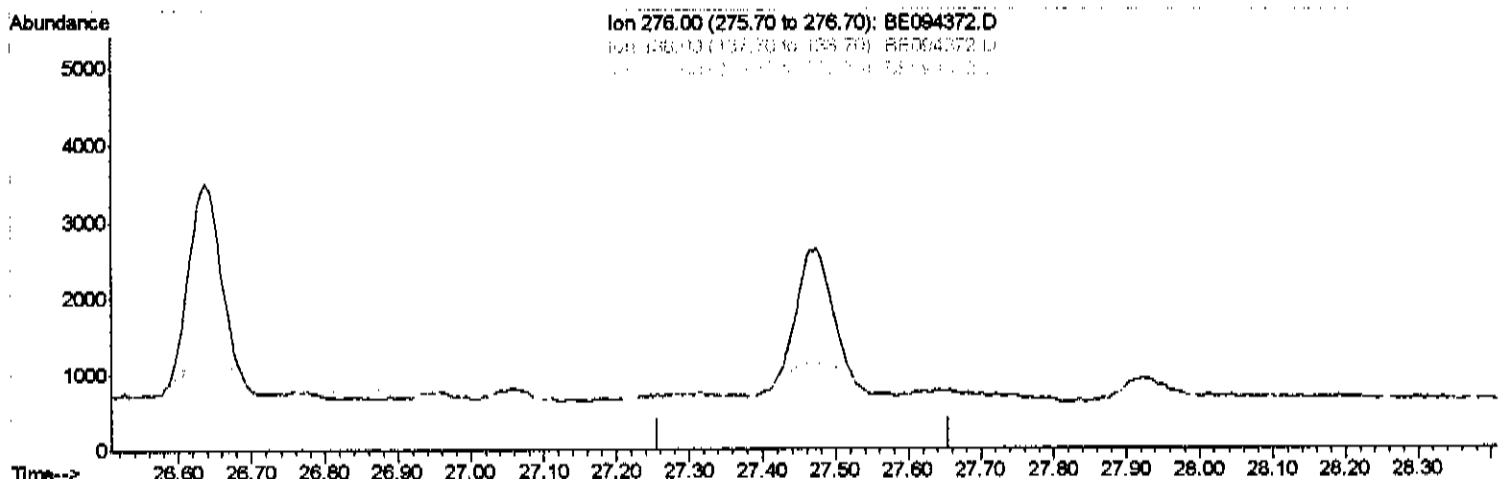
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TIC: BE094372.D

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

27.456min (-27.456) 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  |

# Quantitation Report (Qedit)

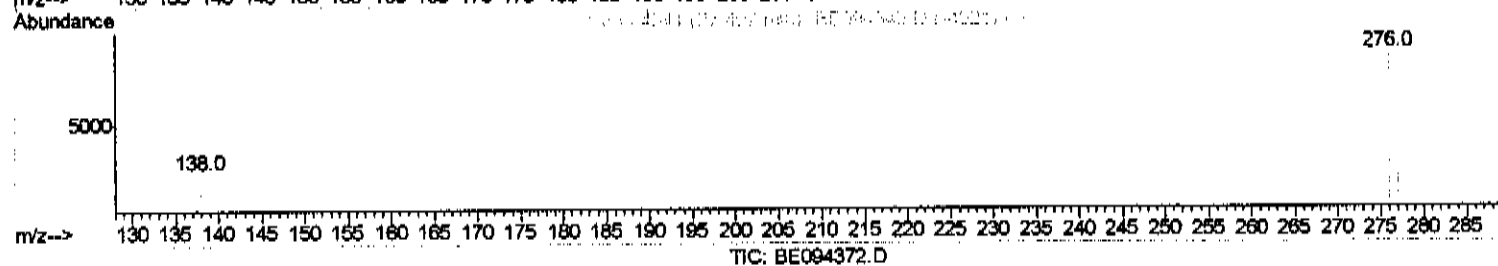
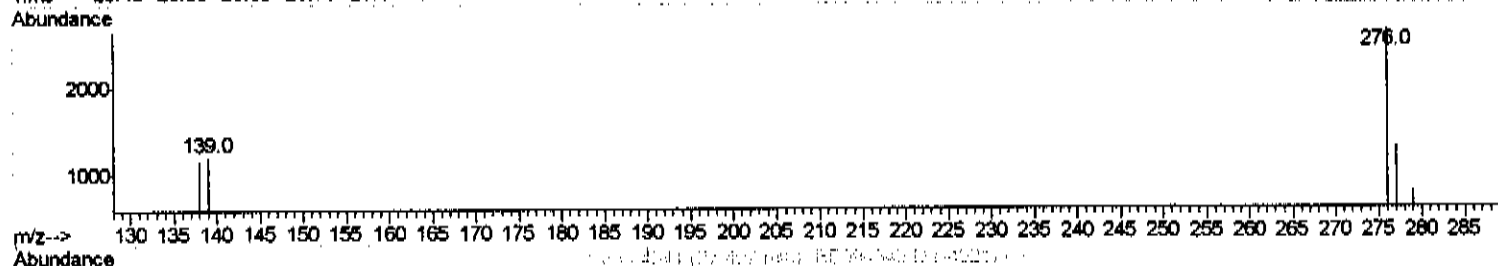
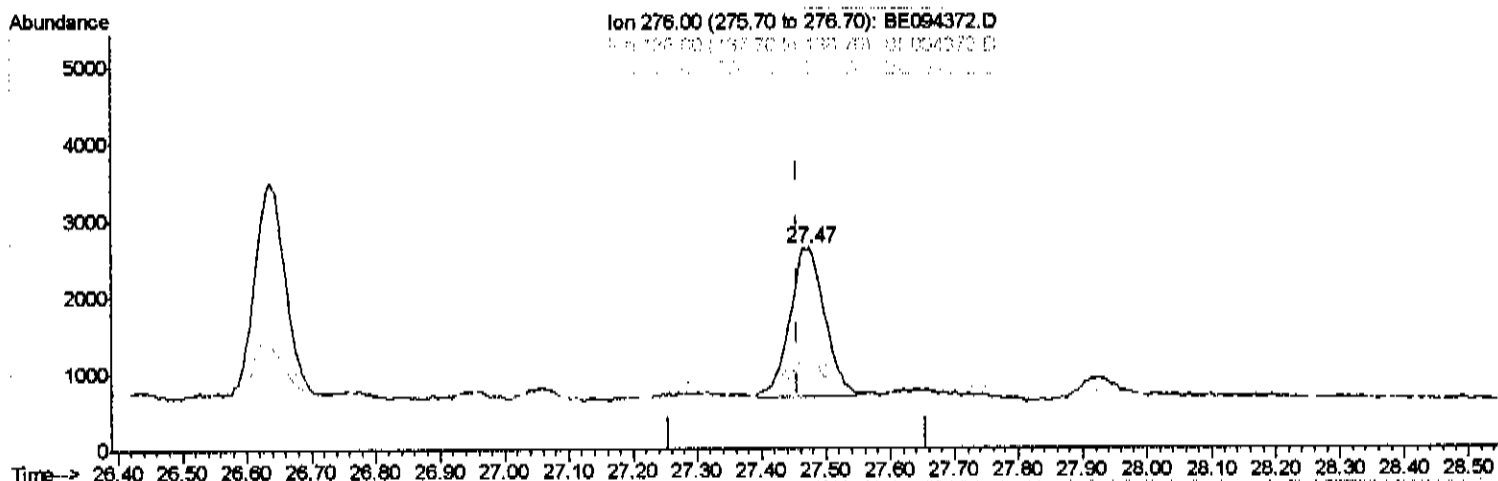
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
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 Sample : I5548-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AB5

Manual Integrations  
 APPROVED

Sohil  
 10/16/2017 8:25:32 PM

Quant Time: Oct 16 05:21:33 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 05:09:03 2017  
 Response via : Initial Calibration



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

27.474min (+0.018) 0.30ng/ul m

response 7458

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 27.30 | 44.04# |
| 277.00 | 25.60 | 49.11# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (QT Reviewed)

Instrument :  
BNA\_E  
ClientSampleId :  
C0AB5

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\  
Data File : BE094372.D  
Acq On : 15 Oct 2017 1:32  
Operator : SJ/JU  
Sample : I5548-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:25:32 PM

Quant Time: Oct 16 05:23:51 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 16 05:09:03 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 1493     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.70 | 136  | 8154     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.52 | 164  | 4937     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.26 | 188  | 11183    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.43 | 240  | 10608    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.96 | 264  | 10043m   | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 2322     | 0.18 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.28 | 212  | 6154     | 0.16 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 5) 2-Methylnaphthalene     | 12.36 | 142  | 476      | 0.037 | ng/ul  | 94     |
| 12) Phenanthrene           | 17.29 | 178  | 8263     | 0.283 | ng/ul# | 90     |
| 13) Anthracene             | 17.39 | 178  | 1303     | 0.046 | ng/ul# | 60     |
| 15) Fluoranthene           | 19.31 | 202  | 25332    | 0.660 | ng/ul  | 84     |
| 17) Pyrene                 | 19.67 | 202  | 23316    | 0.790 | ng/ul# | 85     |
| 18) Benzo(a)anthracene     | 21.41 | 228  | 12338    | 0.438 | ng/ul# | 68     |
| 19) Chrysene               | 21.46 | 228  | 16179    | 0.498 | ng/ul# | 73     |
| 21) Benzo(b)fluoranthene   | 23.18 | 252  | 19751m   | 0.724 | ng/ul  |        |
| 22) Benzo(k)fluoranthene   | 23.22 | 252  | 7628m    | 0.242 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.84 | 252  | 12155m   | 0.429 | ng/ul  |        |
| 24) Indeno(1,2,3-cd)pyrene | 26.64 | 276  | 9214m    | 0.318 | ng/ul  |        |
| 25) Dibenzo(a,h)anthracene | 26.64 | 278  | 2649m    | 0.109 | ng/ul  |        |
| 26) Benzo(a,h,i)perylene   | 27.47 | 276  | 7458m    | 0.298 | ng/ul  |        |

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