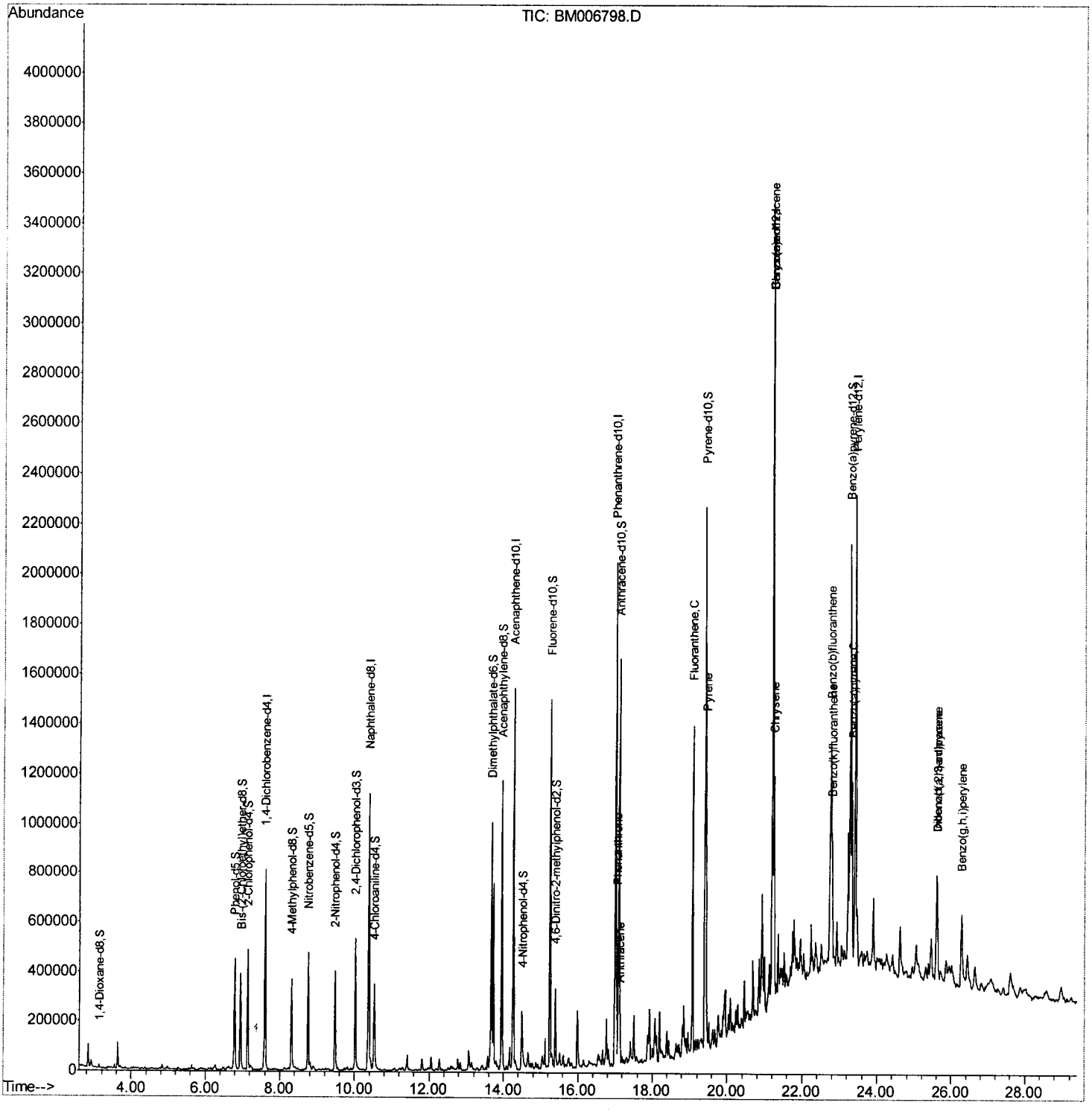
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM073116\
Data File : BM006798.D
Acq On : 31 Jul 2016 21:03
Operator : UM/SJ
Sample : H4190-06
Misc :
ALS Vial : 66 Sample Multiplier: 1

Quant Time: Aug 01 07:42:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
D9ZN5

**Manual Integrations APPROVED**
sohil
8/1/2016 7:07:28 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM073116\
Data File : BM006798.D
Acq On : 31 Jul 2016 21:03
Operator : UM/SJ
Sample : H4190-06
Misc :
ALS Vial : 66 Sample Multiplier: 1

Quant Time: Aug 01 06:44:33 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

**Instrument :**
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**ClientSampleId :**
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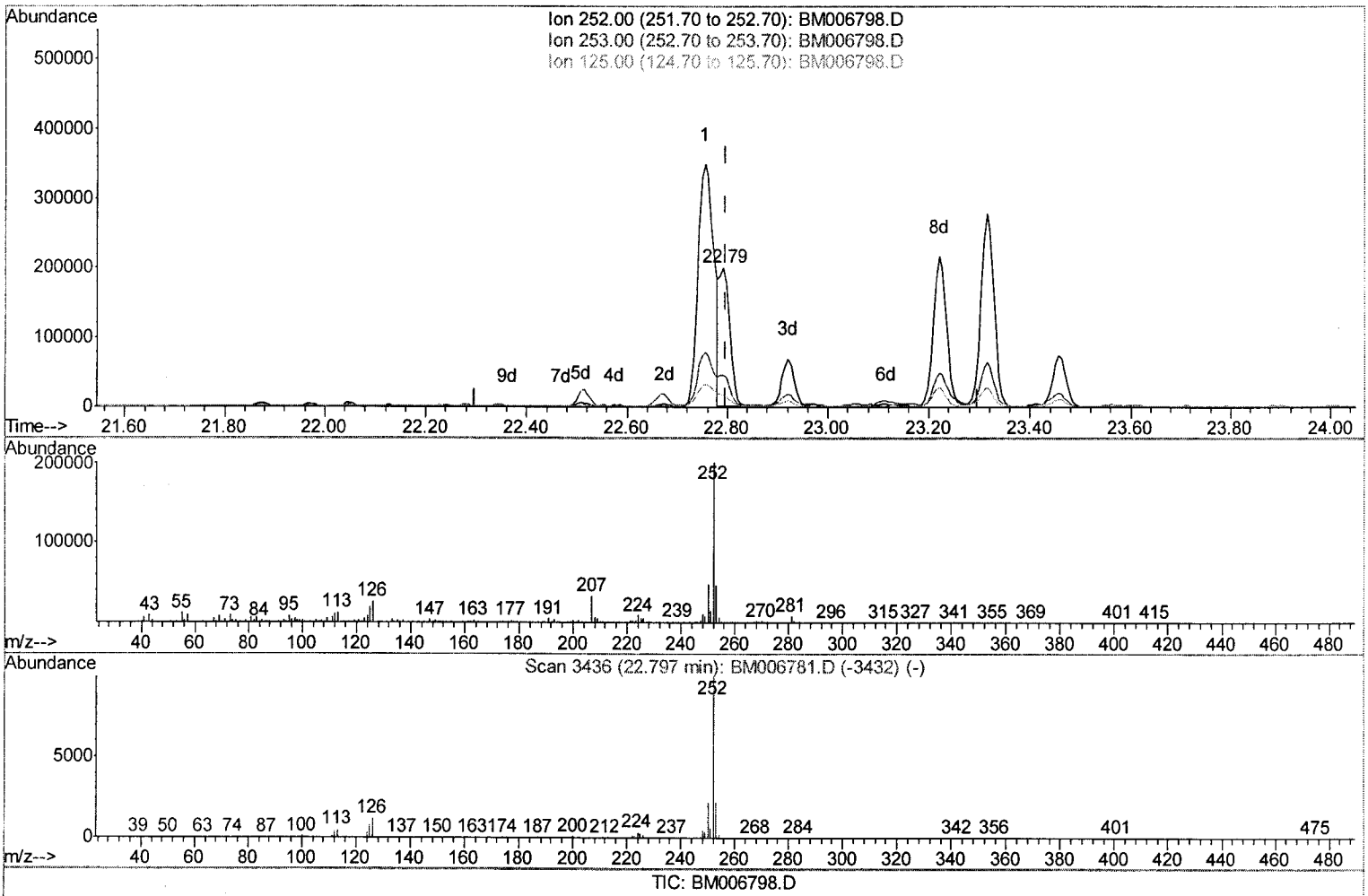
**Manual Integrations APPROVED**
sohil
8/1/2016 7:07:28 PM




TIC: BM006798.D

(36) Benzo(k)fluoranthene

22.791min (-0.006) 3.35ng/ul m UM 08/02/16

response 282656

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.30 | 23.26 |
| 125.00 | 9.60 | 9.55 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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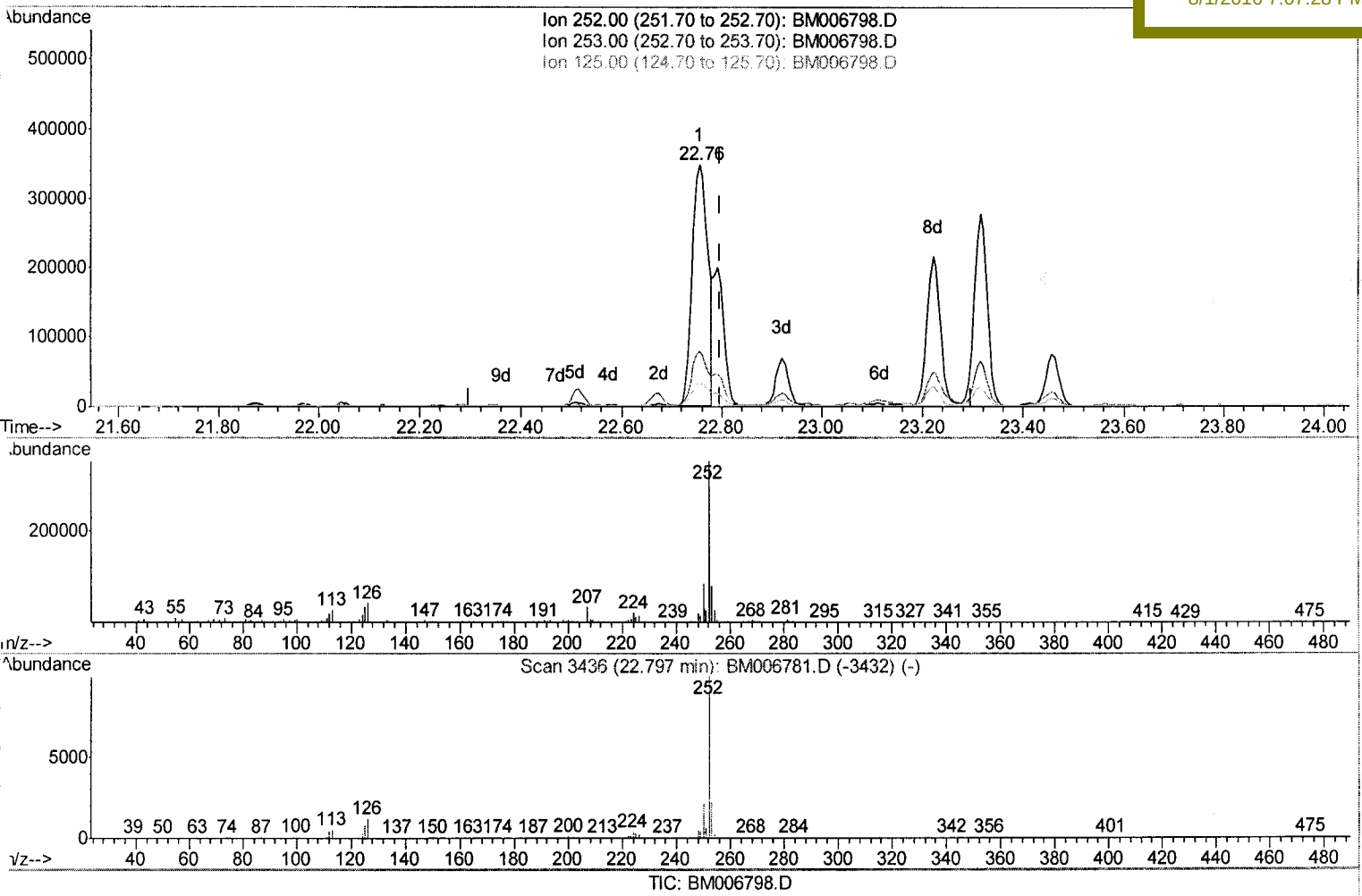
BNA_M
**ClientSampleId :**
D9ZN5

**Manual Integrations APPROVED**
sohil
8/1/2016 7:07:28 PM










TIC: BM006798.D

(36) Benzo(k)fluoranthene

22.756min (-0.041) 9.04ng/ul

response 764144

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.30 | 22.94 |
| 125.00 | 9.60 | 9.44 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM073116\
Data File : BM006798.D
Acq On : 31 Jul 2016 21:03
Operator : UM/SJ
Sample : H4190-06
Misc :
ALS Vial : 66 Sample Multiplier: 1

Quant Time: Aug 01 07:41:50 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
D9ZN5

**Manual Integrations APPROVED**
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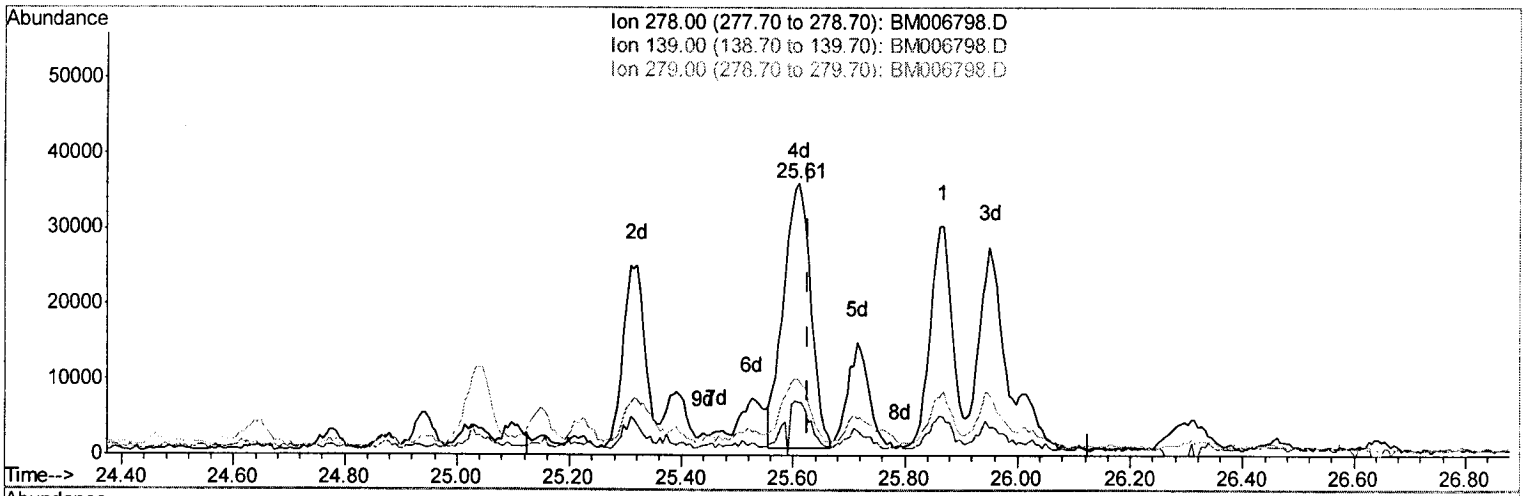
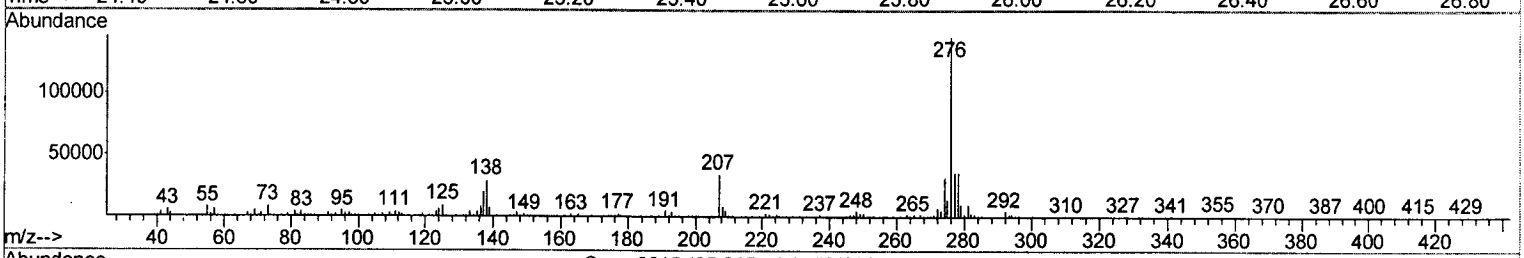
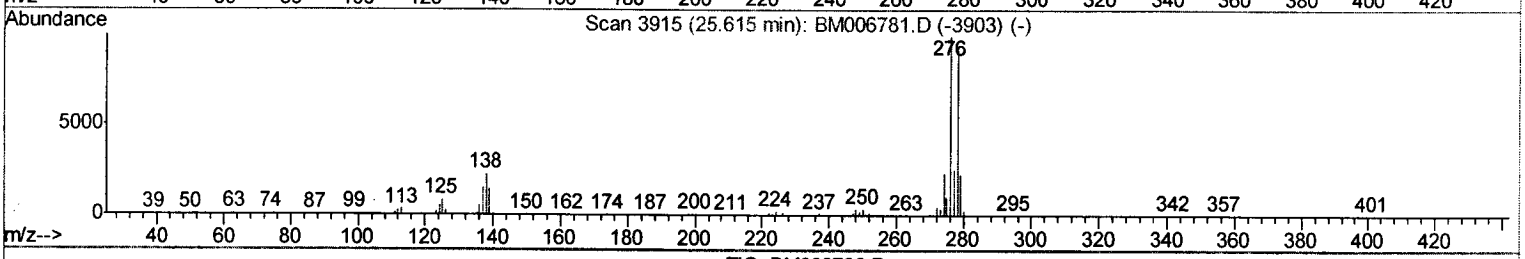
8/1/2016 7:07:28 PM




TIC: BM006798.D

(40) Dibenzo(a,h)anthracene

25.609min (-0.018) 1.44ng/ul m U.M 08/02/16

response 117464

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100 | 100 |
| 139.00 | 15.10 | 19.59# |
| 279.00 | 24.80 | 27.60 |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

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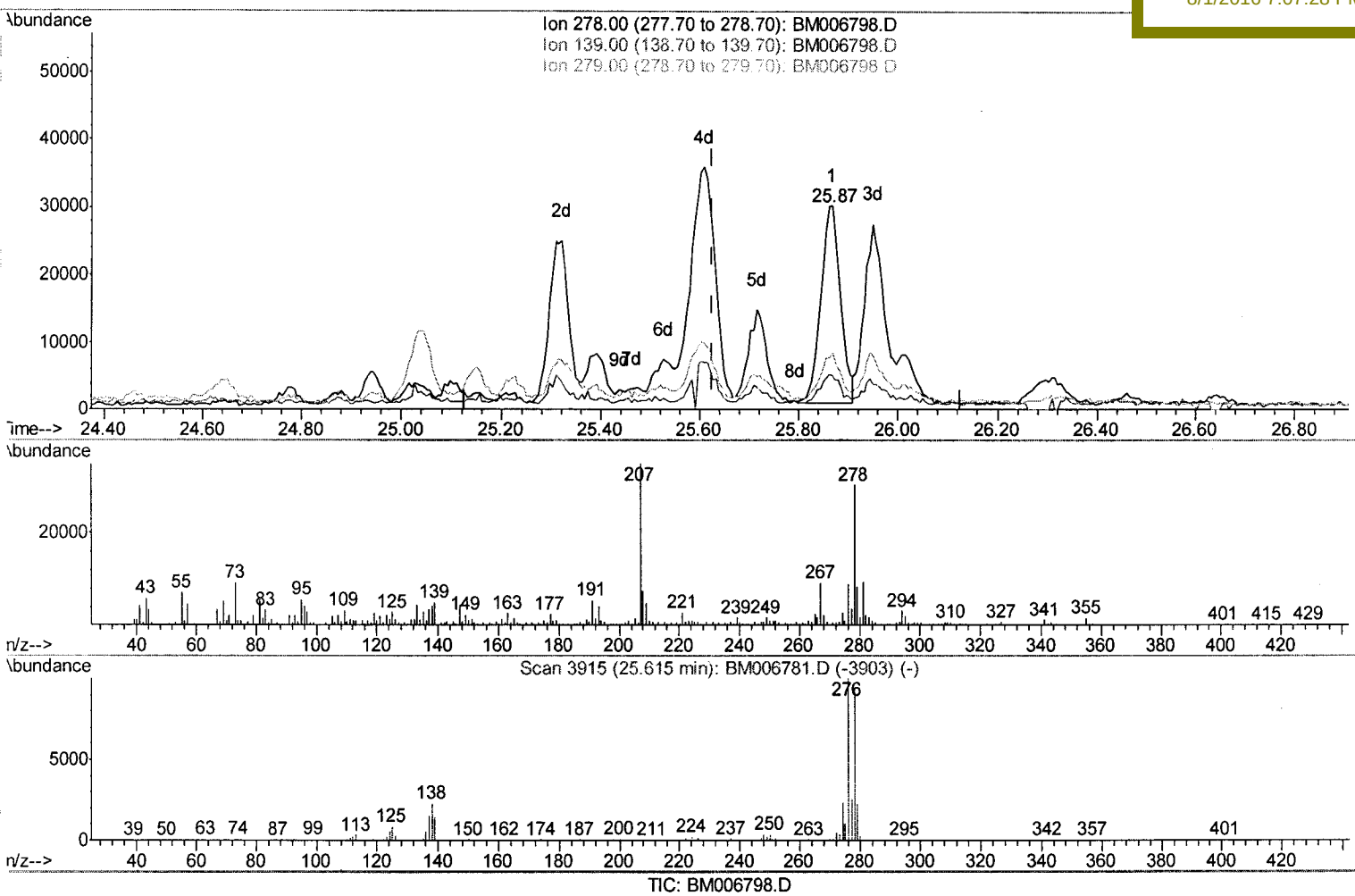
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
D9ZN5

**Manual Integrations APPROVED**
sohil
8/1/2016 7:07:28 PM




TIC: BM006798.D

(40) Dibenzo(a,h)anthracene

25.868min (+0.241) 0.98ng/ul

response 80114

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100 | 100 |
| 139.00 | 15.10 | 16.59 |
| 279.00 | 24.80 | 28.41 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM073116\
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Instrument :
BNA_M
ClientSampleId :
D9ZN5

Manual Integrations APPROVED
sohil
8/1/2016 7:07:28 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 211589 | 20.00 | ng/ul | 0.00 |
| 7) Naphthalene-d8 | 10.38 | 136 | 918160 | 20.00 | ng/ul | 0.00 |
| 15) Acenaphthene-d10 | 14.26 | 164 | 516073 | 20.00 | ng/ul | 0.00 |
| 23) Phenanthrene-d10 | 17.01 | 188 | 1188331 | 20.00 | ng/ul | 0.00 |
| 29) Chrysene-d12 | 21.21 | 240 | 1362043 | 20.00 | ng/ul | 0.00 |
| 34) Perylene-d12 | 23.41 | 264 | 1457833 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 3.13 | 96 | 6232 | 1.19 | ng/uL | 0.00 |
| 3) Phenol-d5 | 6.79 | 99 | 243964 | 13.55 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d | 6.95 | 67 | 180966 | 16.23 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4 | 7.14 | 132 | 211259 | 14.69 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8 | 8.32 | 113 | 142525 | 10.21 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5 | 8.76 | 128 | 108921 | 15.67 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4 | 9.47 | 143 | 120063 | 16.24 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3 | 10.02 | 165 | 203687 | 14.58 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4 | 10.53 | 131 | 195163 | 12.69 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6 | 13.67 | 166 | 647359 | 16.00 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8 | 13.94 | 160 | 838802 | 16.24 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4 | 14.49 | 143 | 67735 | 9.64 | ng/ul | 0.00 |
| 21) Fluorene-d10 | 15.26 | 176 | 587487 | 16.23 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 65658 | 10.64 | ng/ul | 0.00 |
| 26) Anthracene-d10 | 17.11 | 188 | 894443 | 15.85 | ng/ul | 0.00 |
| 30) Pyrene-d10 | 19.41 | 212 | 1041542 | 16.78 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12 | 23.27 | 264 | 1067771 | 15.92 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 25) Phenanthrene | 17.05 | 178 | 321570 | 4.81 | ng/ul | 98 |
| 27) Anthracene | 17.14 | 178 | 84198 | 1.22 | ng/ul | 97 |
| 28) Fluoranthene | 19.07 | 202 | 783150 | 9.97 | ng/ul | 98 |
| 31) Pyrene | 19.44 | 202 | 675282 | 8.19 | ng/ul | 96 |
| 32) Benzo(a)anthracene | 21.20 | 228 | 482407 | 5.84 | ng/ul | 96 |
| 33) Chrysene | 21.24 | 228 | 507779 | 6.67 | ng/ul | 96 |
| 35) Benzo(b)fluoranthene | 22.76 | 252 | 764144 | 8.74 | ng/ul | 99 |
| 36) Benzo(k)fluoranthene | 22.79 | 252 | 282656m | 3.35 | ng/ul | |
| 38) Benzo(a)pyrene | 23.31 | 252 | 495692 | 5.83 | ng/ul | 97 |
| 39) Indeno(1,2,3-cd)pyrene | 25.61 | 276 | 399725 | 4.06 | ng/ul | 98 |
| 40) Dibenzo(a,h)anthracene | 25.61 | 278 | 117464m | 1.44 | ng/ul | |
| 41) Benzo(g,h,i)perylene | 26.29 | 276 | 355051 | 4.21 | ng/ul | 95 |

U.M 08/02/16

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