

# Quantitation Report (QT Reviewed)

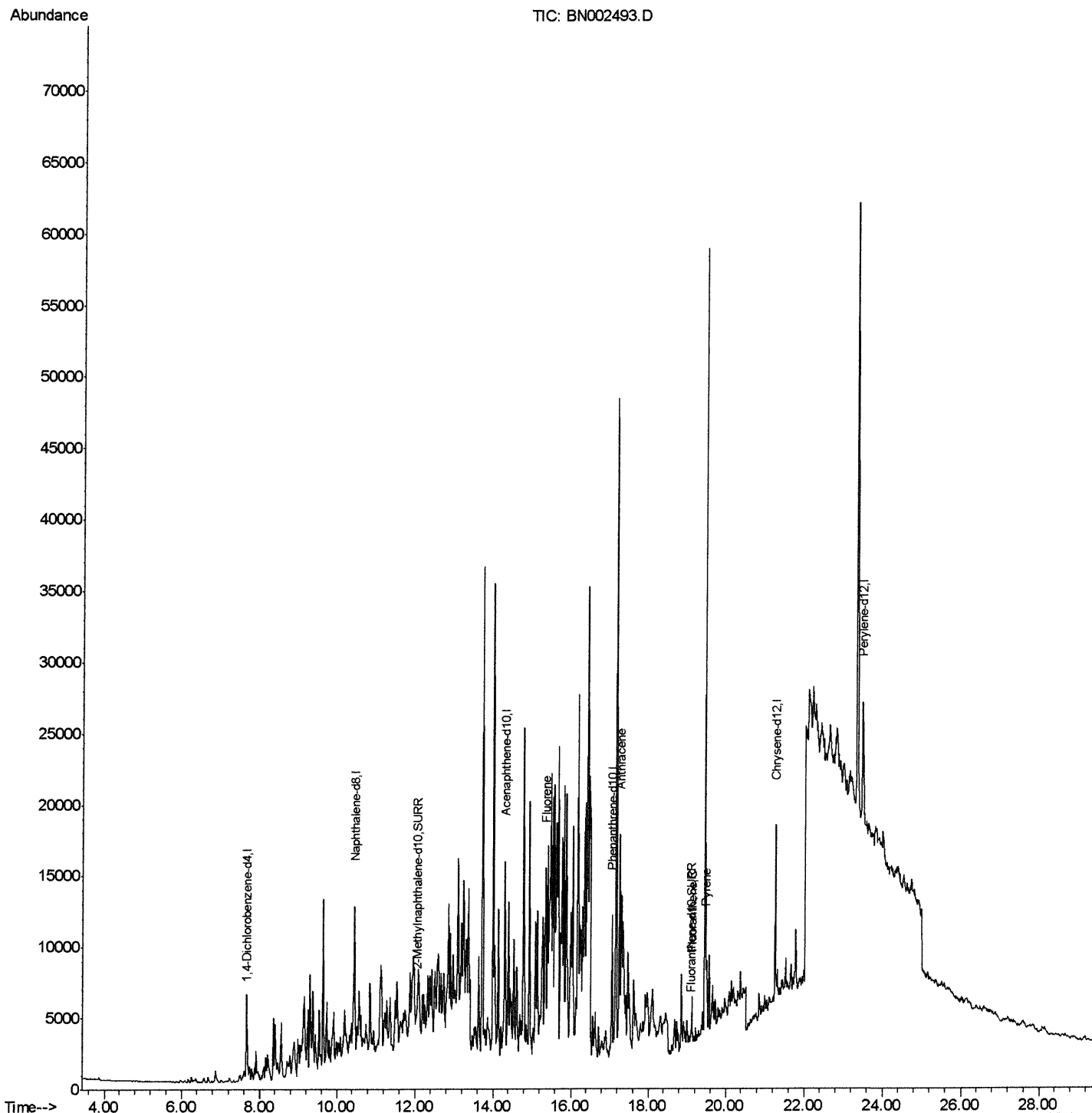
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002493.D  
 Acq On : 24 Aug 2018 07:17  
 Operator : JU/SJ  
 Sample : J4424-15DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A3Z61DL

Manual Integrations  
 APPROVED

Sohil  
 8/24/2018 5:38:26 PM

Quant Time: Aug 24 08:27:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 24 02:20:09 2018  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

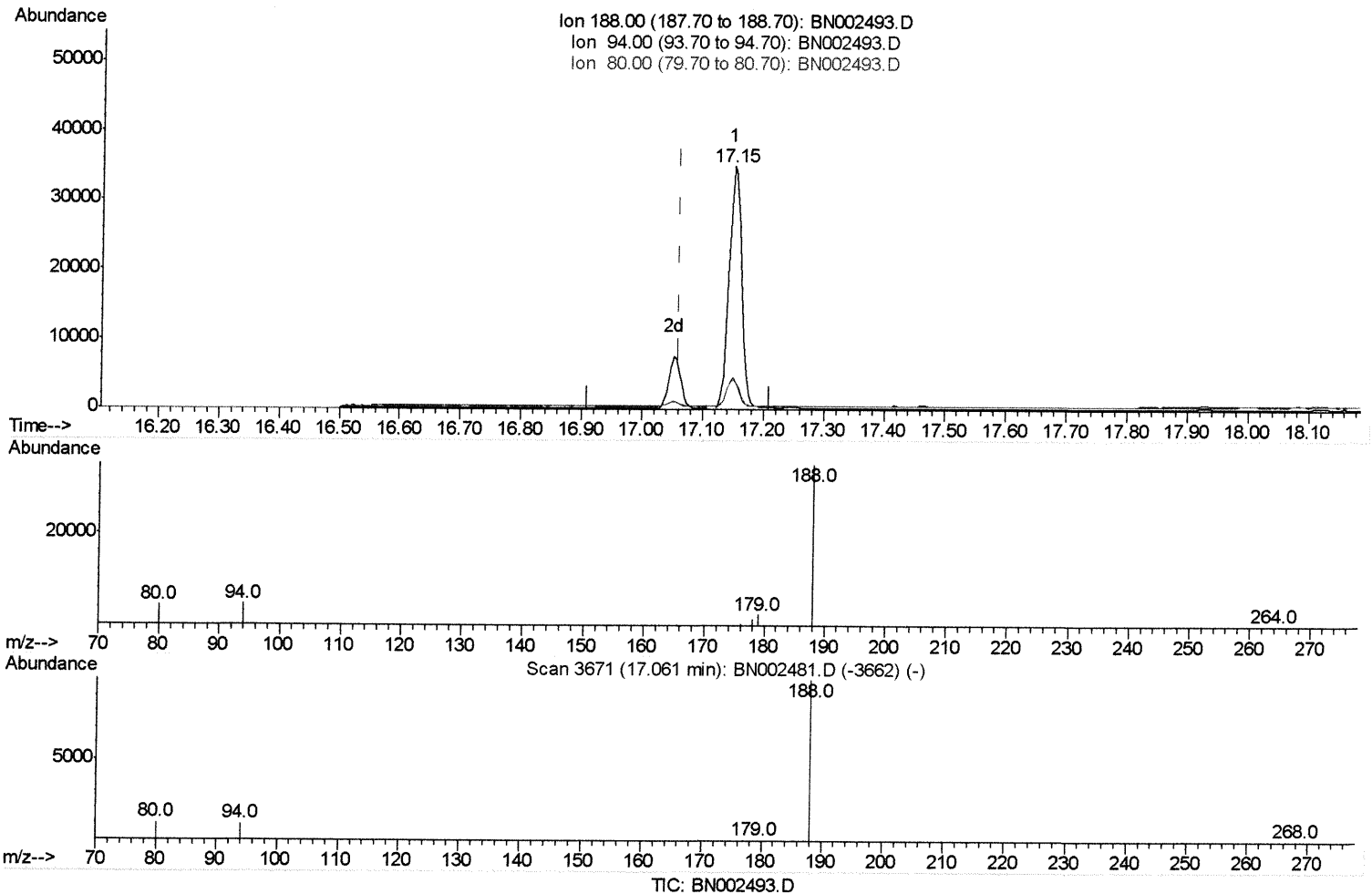
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002493.D  
 Acq On : 24 Aug 2018 07:17  
 Operator : JU/SJ  
 Sample : J4424-15DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A3Z61DL

Manual Integrations  
 APPROVED

Sohil  
 8/24/2018 5:38:26 PM

Quant Time: Aug 24 07:55:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 24 02:20:09 2018  
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)  
 17.149min (+0.089) 0.40ng/ul  
 response 50164

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 13.13 |
| 80.00  | 11.80 | 12.41 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

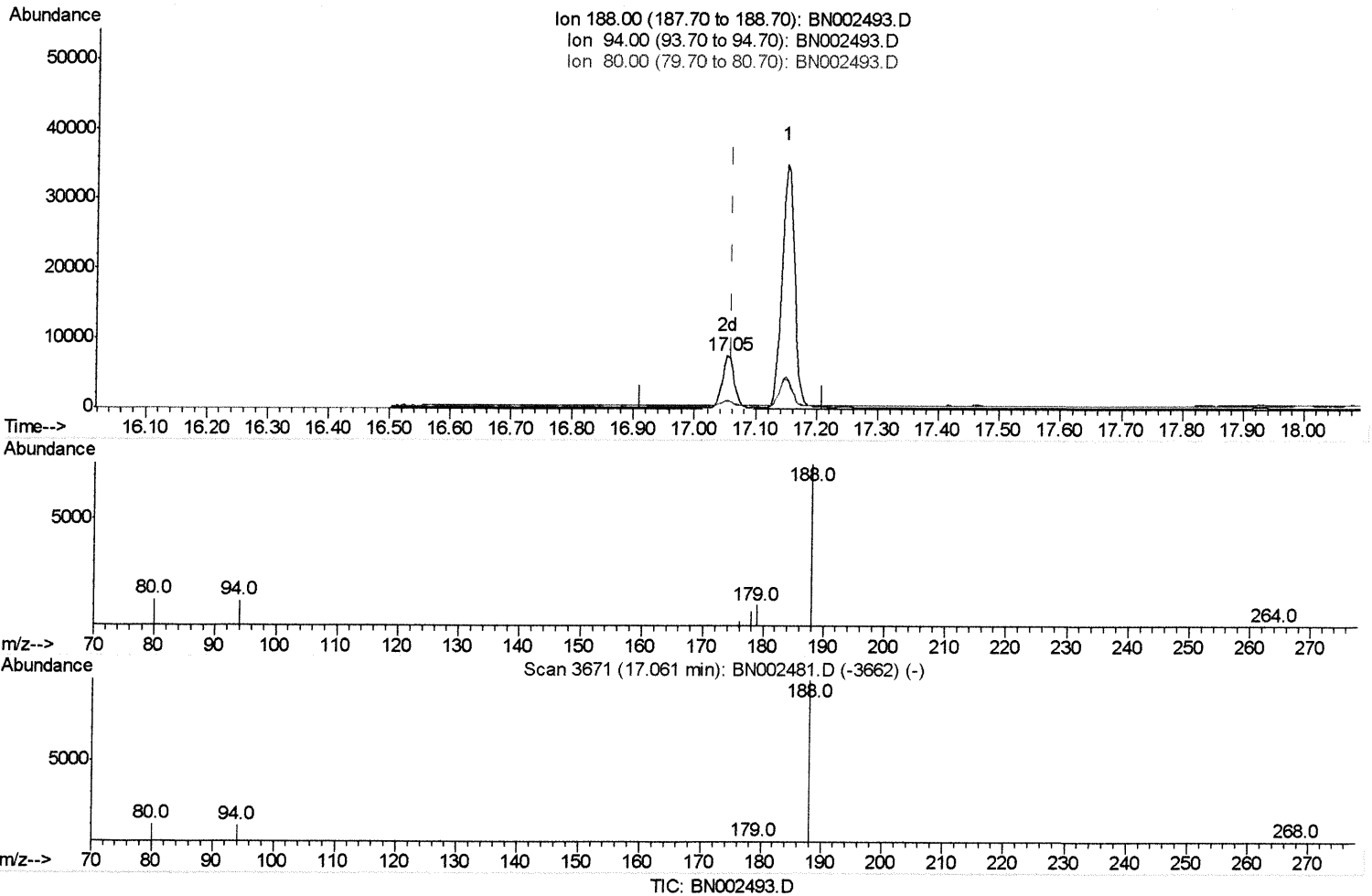
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002493.D  
 Acq On : 24 Aug 2018 07:17  
 Operator : JU/SJ  
 Sample : J4424-15DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A3Z61DL

Manual Integrations  
 APPROVED

Sohil  
 8/24/2018 5:38:26 PM

Quant Time: Aug 24 07:55:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 24 02:20:09 2018  
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.052min (-0.008) 0.40ng/ul m

*SJ8/27/18*

response 10936

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 11.00 | 15.73# |
| 80.00  | 11.80 | 16.49# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

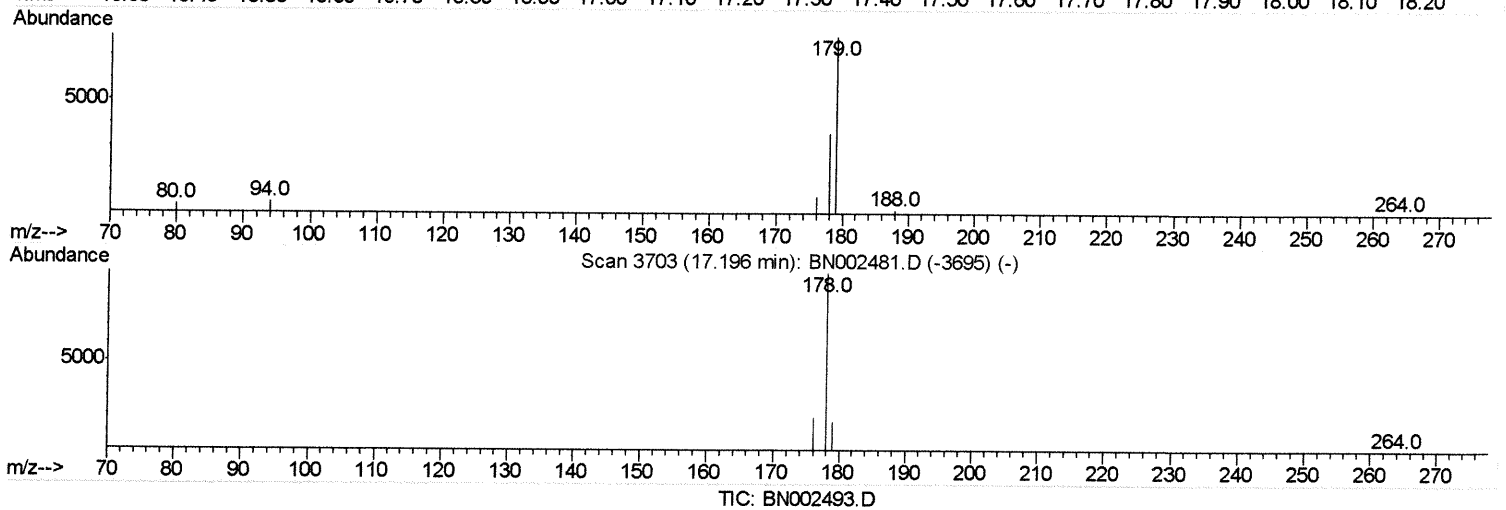
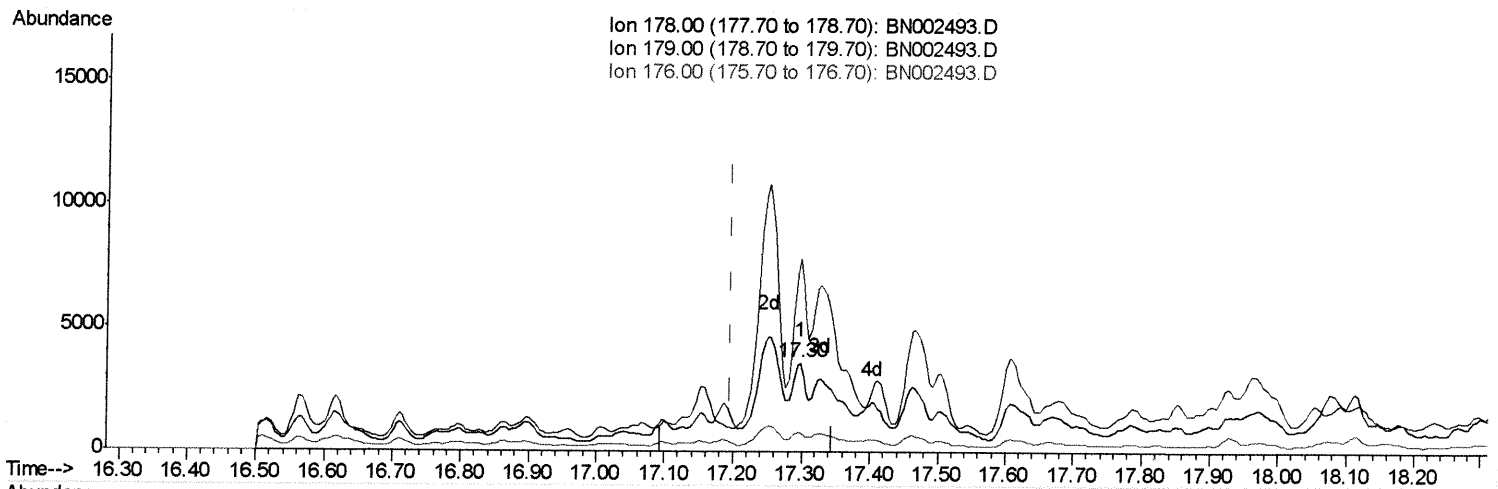
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002493.D  
 Acq On : 24 Aug 2018 07:17  
 Operator : JU/SJ  
 Sample : J4424-15DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
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Manual Integrations  
 APPROVED

Sohil  
 8/24/2018 5:38:26 PM

Quant Time: Aug 24 08:23:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
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(13) Anthracene

17.297min (+0.101) 0.11ng/ul

response 3082

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 179.00 | 22.60 | 218.19# |
| 176.00 | 18.40 | 22.39#  |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

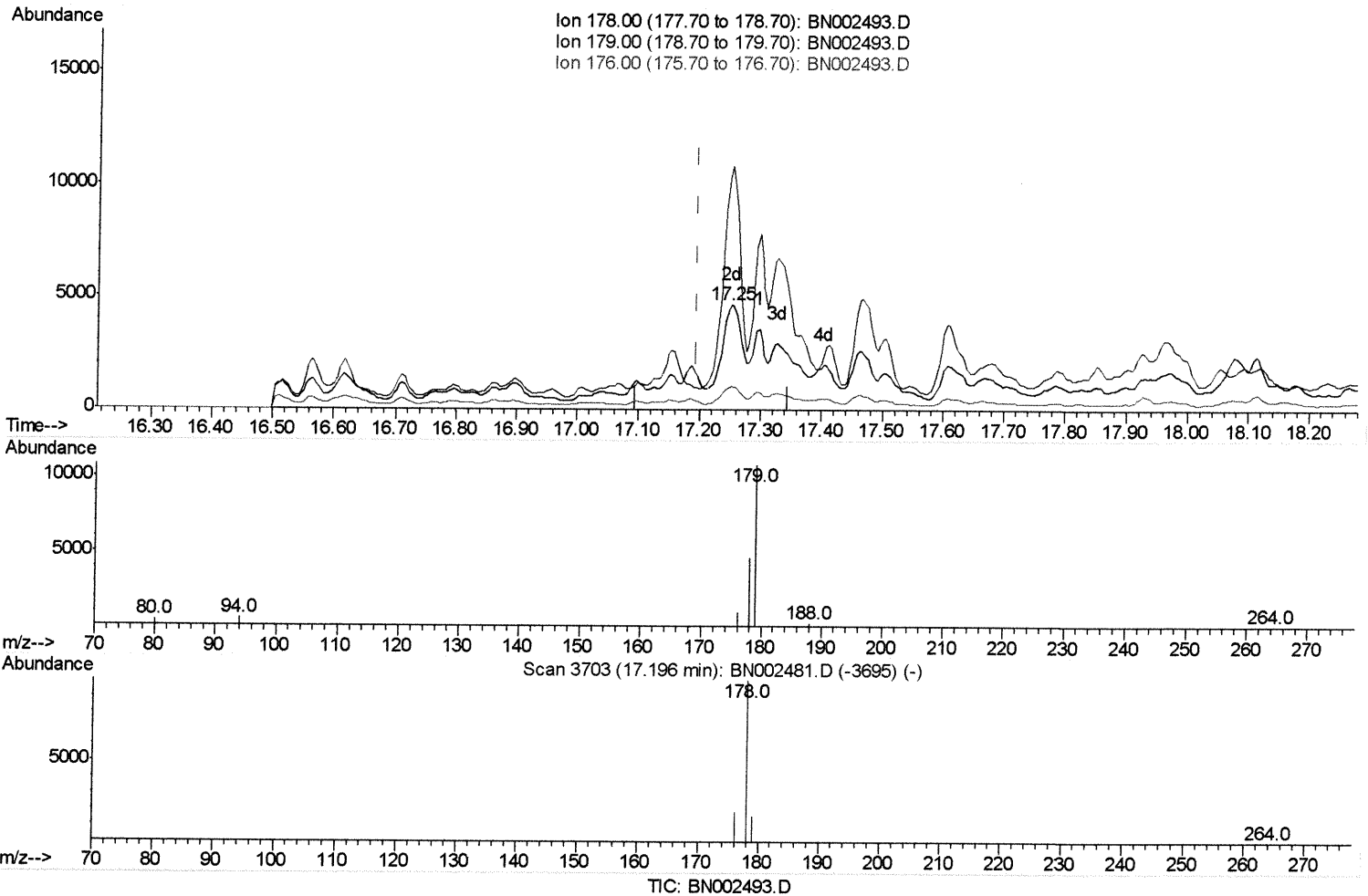
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002493.D  
 Acq On : 24 Aug 2018 07:17  
 Operator : JU/SJ  
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(13) Anthracene

17.251min (+0.055) 0.28ng/ul m

*SJ 8/27/18*

response 7842

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 179.00 | 22.60 | 232.02# |
| 176.00 | 18.40 | 22.07   |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

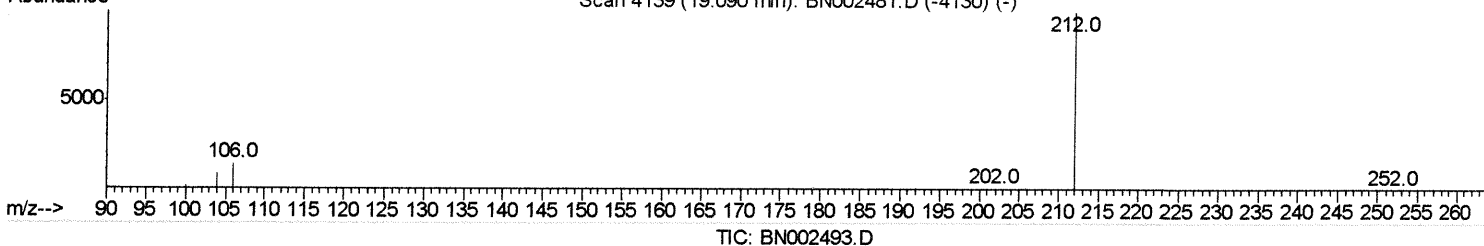
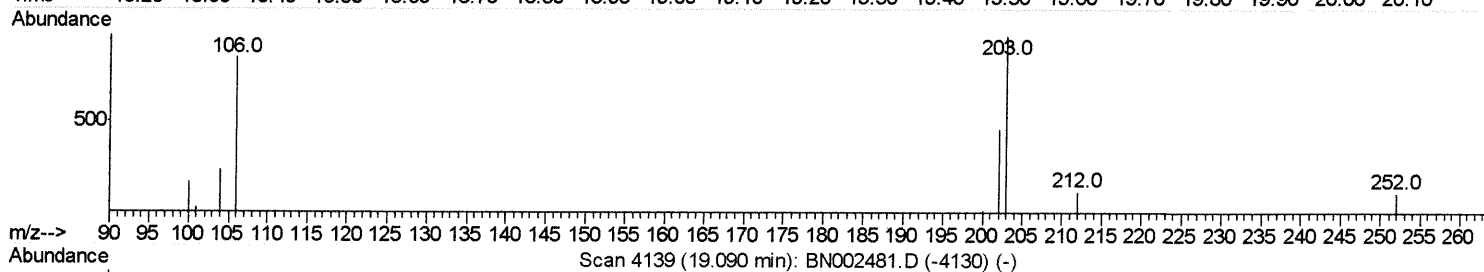
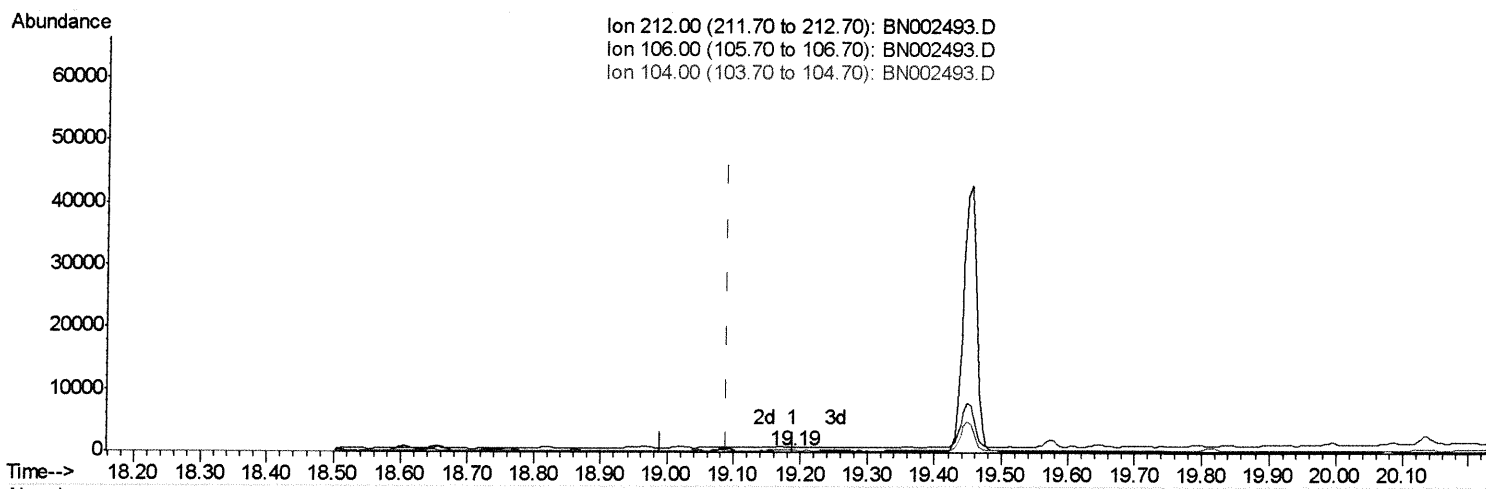
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
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(14) Fluoranthene-d10 (SURR)

19.188min (+0.098) 0.01ng/ul

response 166

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 212.00 | 100   | 100     |
| 106.00 | 18.30 | 253.01# |
| 104.00 | 15.60 | 78.92#  |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

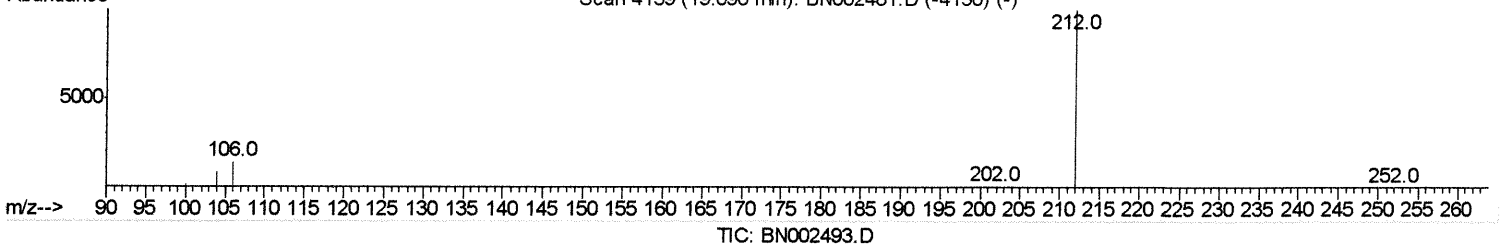
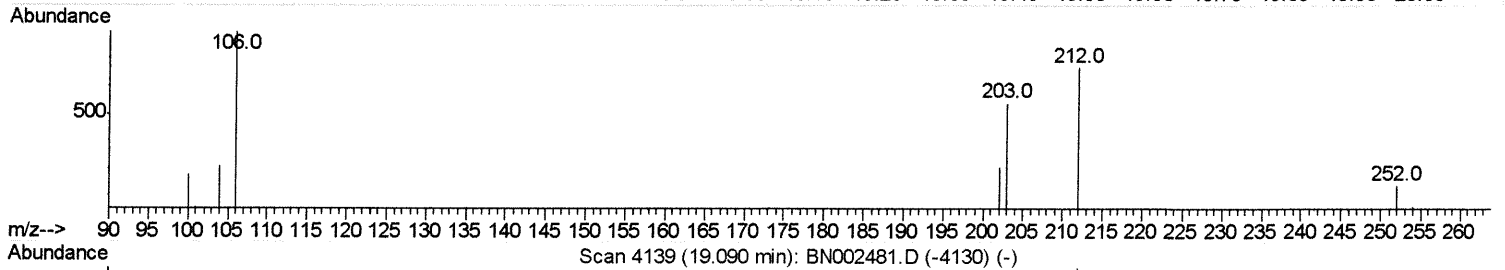
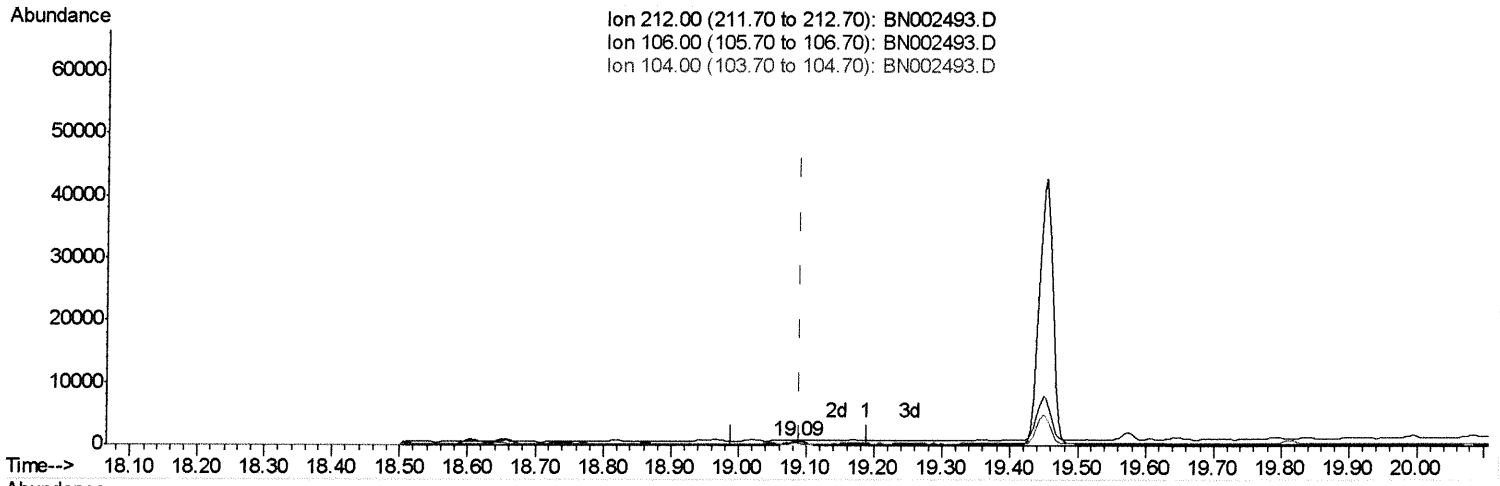
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002493.D  
 Acq On : 24 Aug 2018 07:17  
 Operator : JU/SJ  
 Sample : J4424-15DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 A3Z61DL

Manual Integrations  
 APPROVED

Sohil  
 8/24/2018 5:38:26 PM

Quant Time: Aug 24 08:23:18 2018  
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 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.085min (-0.005) 0.04ng/ul m

*SJ 8/27/18*

response 1174

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 212.00 | 100   | 100    |
| 106.00 | 18.30 | 35.78# |
| 104.00 | 15.60 | 11.16# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

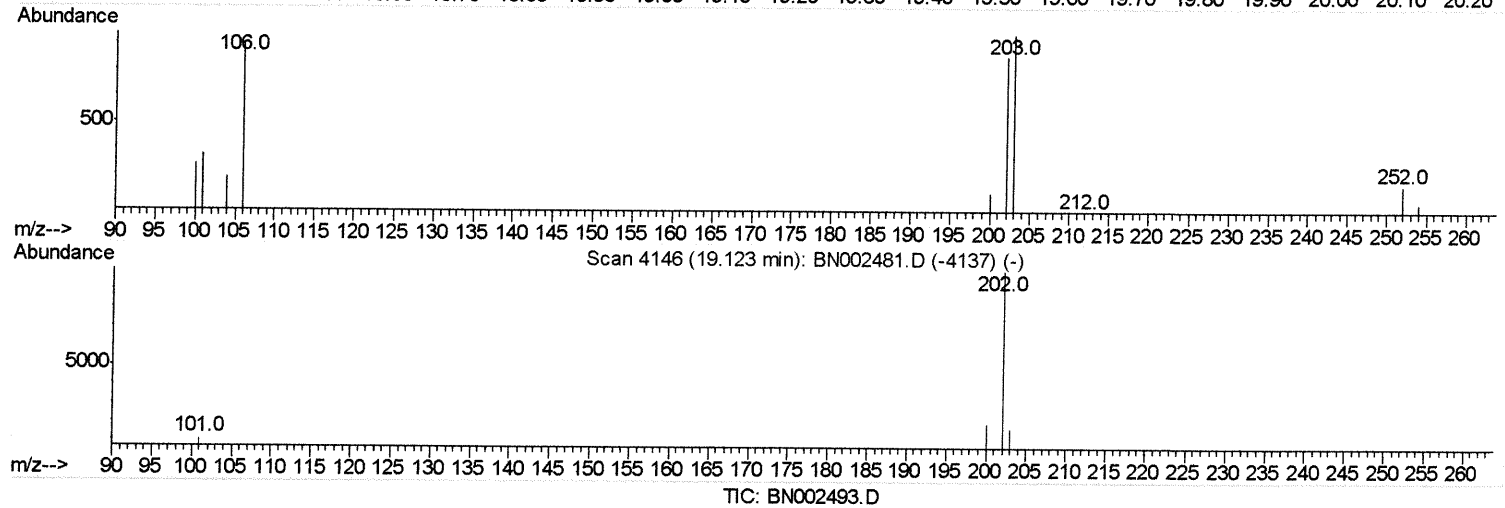
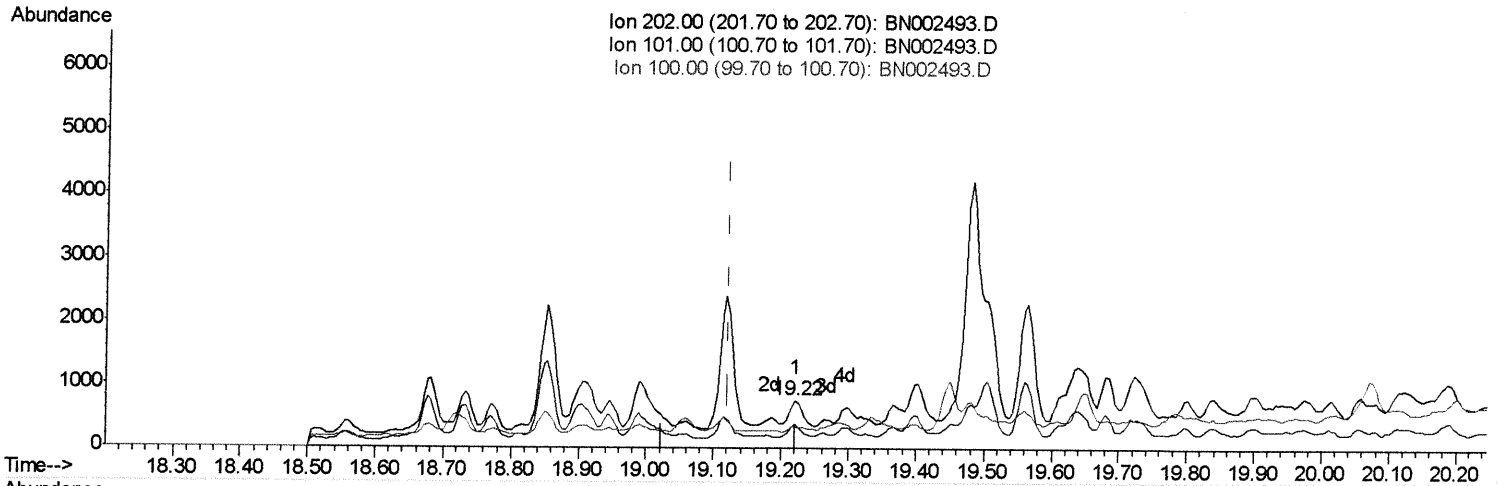
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002493.D  
 Acq On : 24 Aug 2018 07:17  
 Operator : JU/SJ  
 Sample : J4424-15DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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Manual Integrations  
 APPROVED

Sohil  
 8/24/2018 5:38:26 PM

Quant Time: Aug 24 08:23:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
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 Response via : Initial Calibration



(15) Fluoranthene (C)

19.220min (+0.098) 0.01ng/ui

response 505

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 10.00 | 50.33# |
| 100.00 | 10.00 | 45.68# |
| 0.00   | 0.00  | 0.00   |



# Quantitation Report (Qedit)

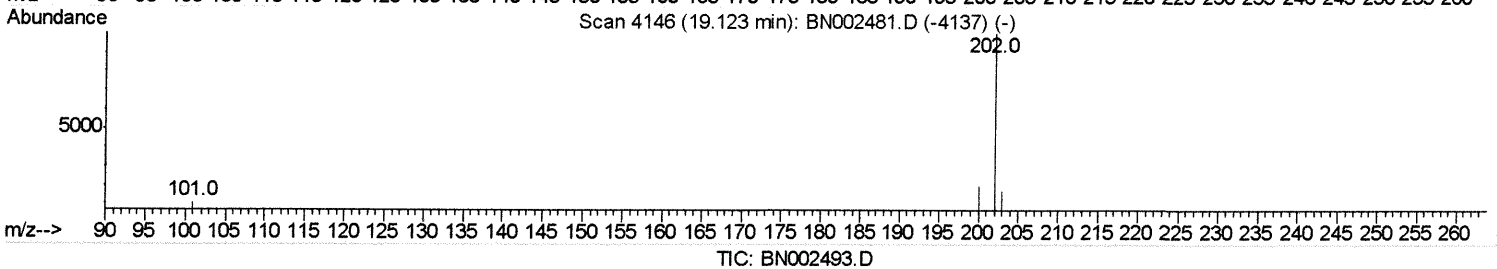
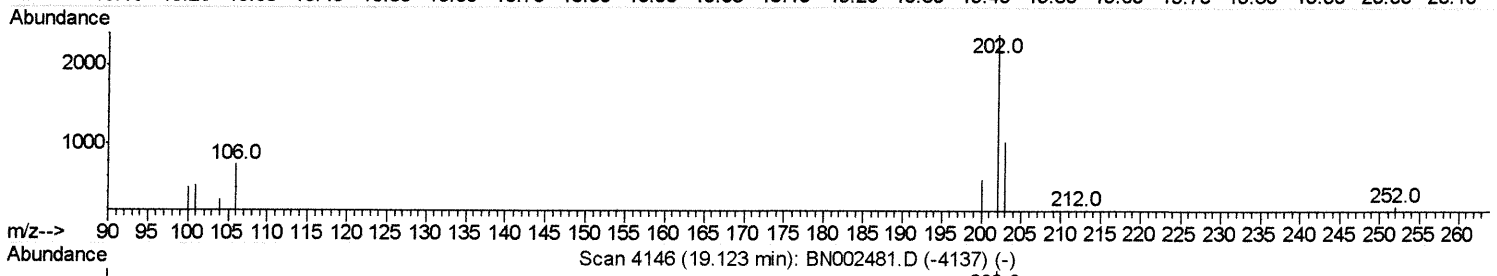
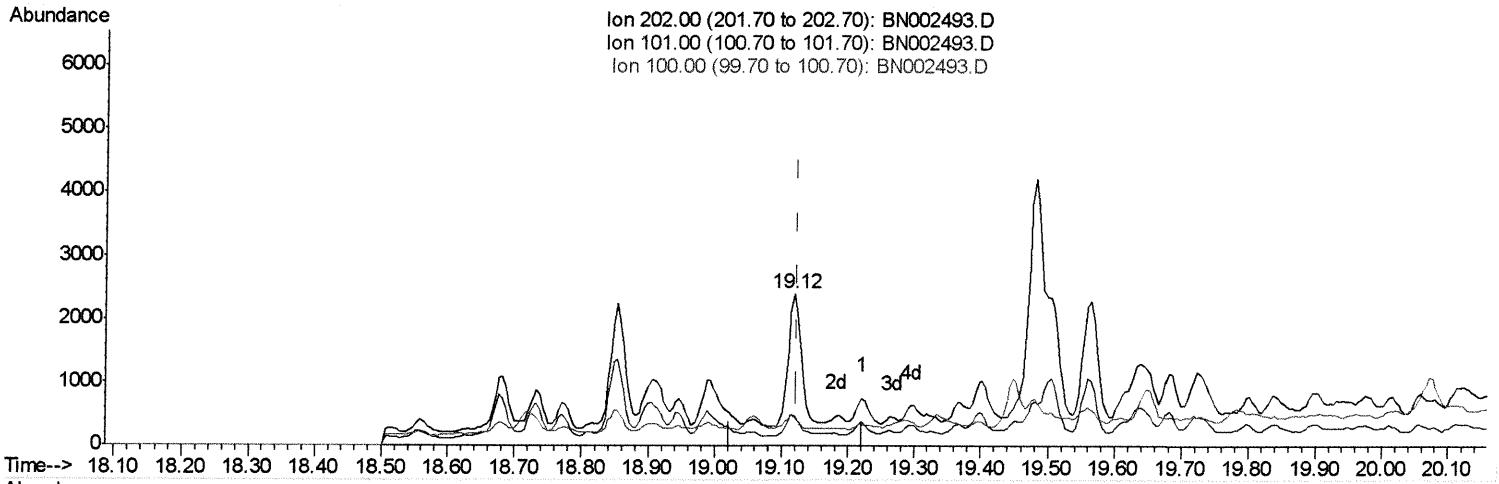
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002493.D  
 Acq On : 24 Aug 2018 07:17  
 Operator : JU/SJ  
 Sample : J4424-15DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A3Z61DL

Manual Integrations  
 APPROVED

Sohil  
 8/24/2018 5:38:26 PM

Quant Time: Aug 24 08:23:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 24 02:20:09 2018  
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.118min (-0.005) 0.08ng/ul m

*SJ 8/27/18*

response 2960

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.00 | 20.00 |
| 100.00 | 10.00 | 19.00 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

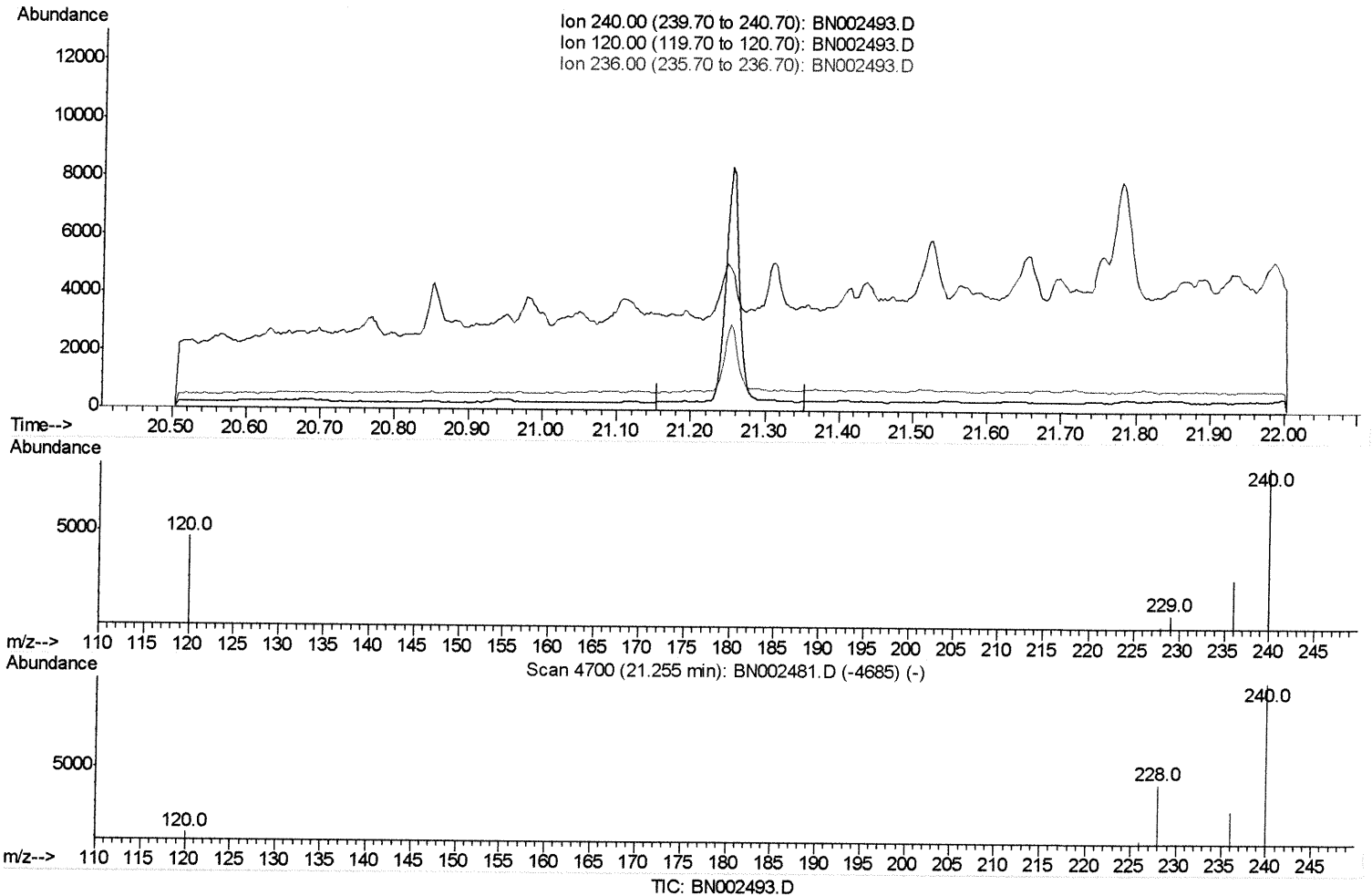
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002493.D  
 Acq On : 24 Aug 2018 07:17  
 Operator : JU/SJ  
 Sample : J4424-15DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A3Z61DL

Manual Integrations  
 APPROVED

Sohil  
 8/24/2018 5:38:26 PM

Quant Time: Aug 24 08:23:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 24 02:20:09 2018  
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.255min (-21.255) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 0.00  |
| 120.00 | 20.60 | 0.00# |
| 236.00 | 34.90 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

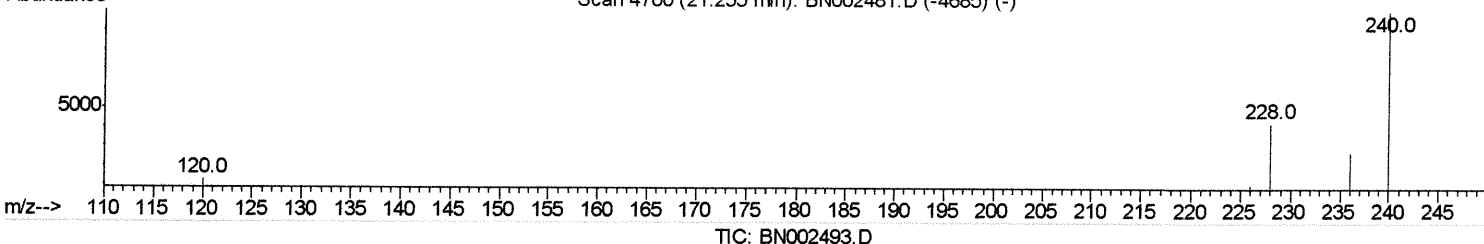
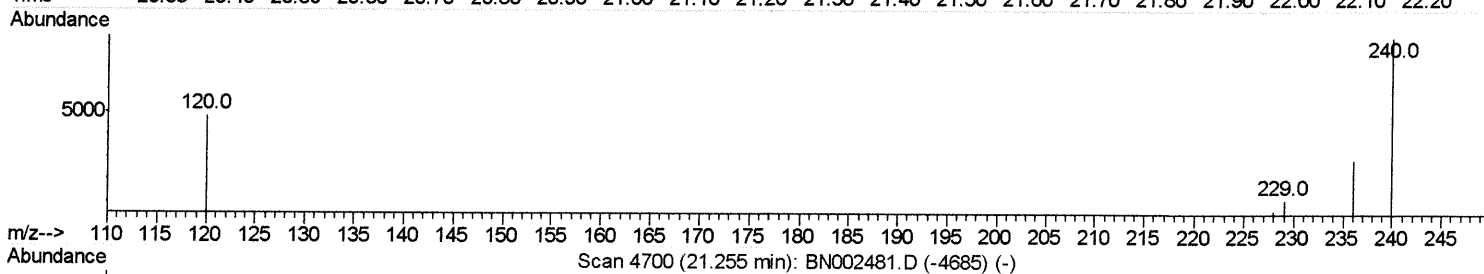
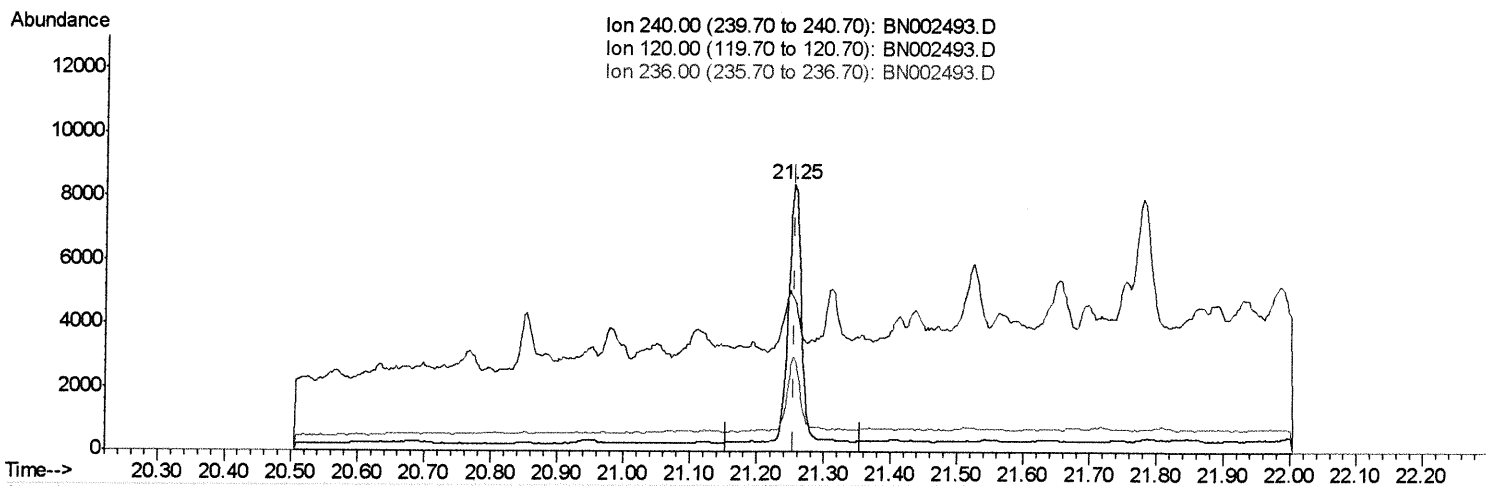
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002493.D  
 Acq On : 24 Aug 2018 07:17  
 Operator : JU/SJ  
 Sample : J4424-15DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A3Z61DL

Manual Integrations  
 APPROVED

Sohil  
 8/24/2018 5:38:26 PM

Quant Time: Aug 24 08:23:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 24 02:20:09 2018  
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.252min (-0.003) 0.40ng/ul m

*SJ 8/27/18*

response 10629

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 20.60 | 57.57# |
| 236.00 | 34.90 | 35.40  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

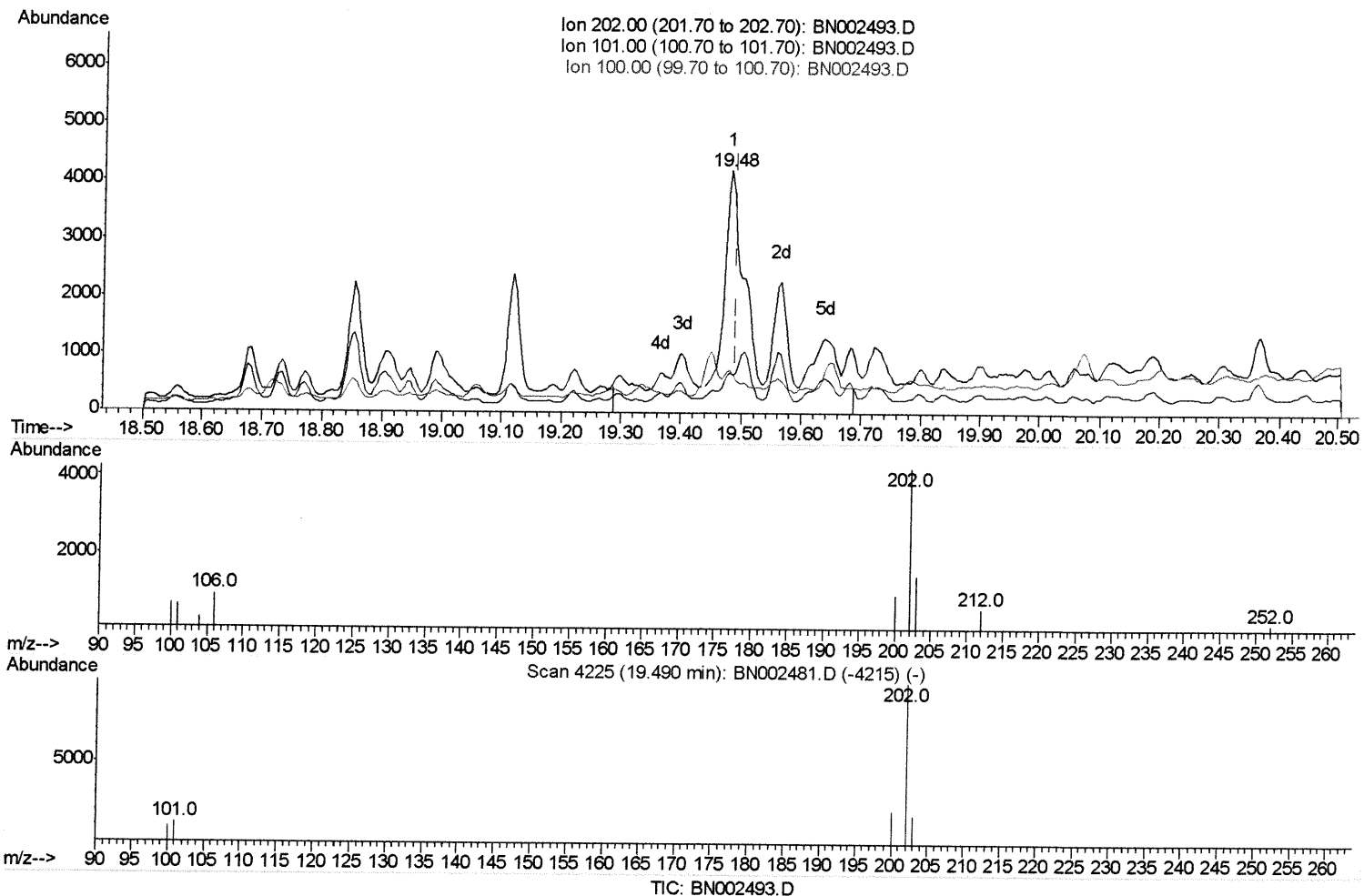
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002493.D  
 Acq On : 24 Aug 2018 07:17  
 Operator : JU/SJ  
 Sample : J4424-15DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 A3Z61DL

Manual Integrations  
 APPROVED

Sohil  
 8/24/2018 5:38:26 PM

Quant Time: Aug 24 08:25:14 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 24 02:20:09 2018  
 Response via : Initial Calibration



(17) Pyrene

19.481min (-0.009) 0.22ng/ul

response 7920

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 15.00 | 16.86  |
| 100.00 | 10.00 | 17.59# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

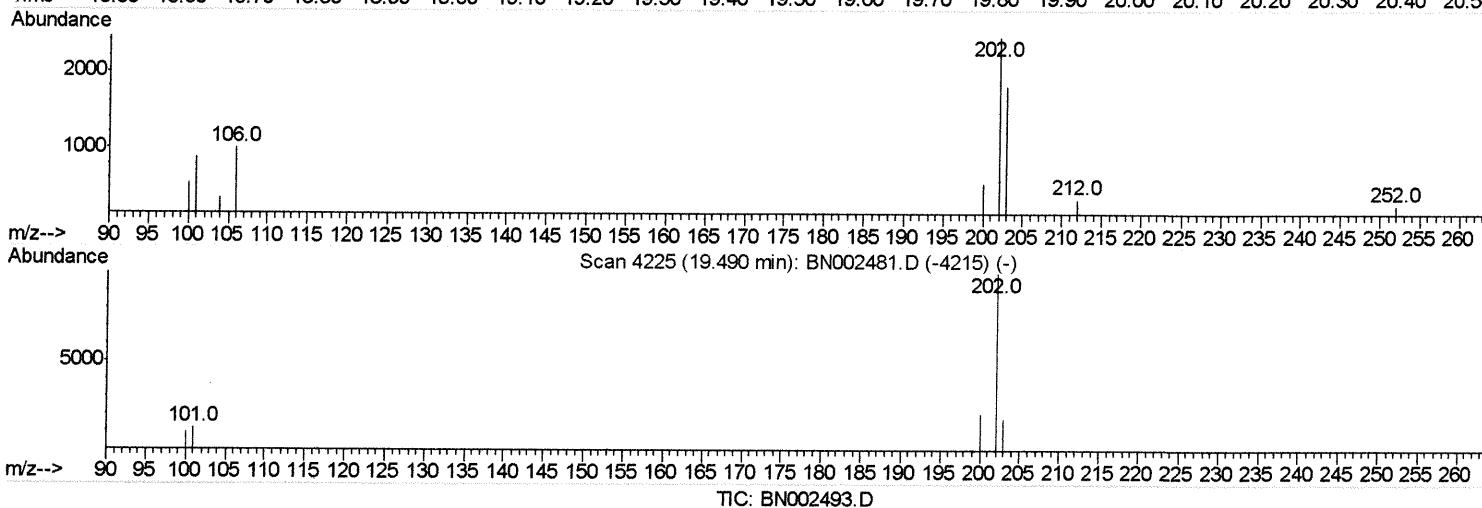
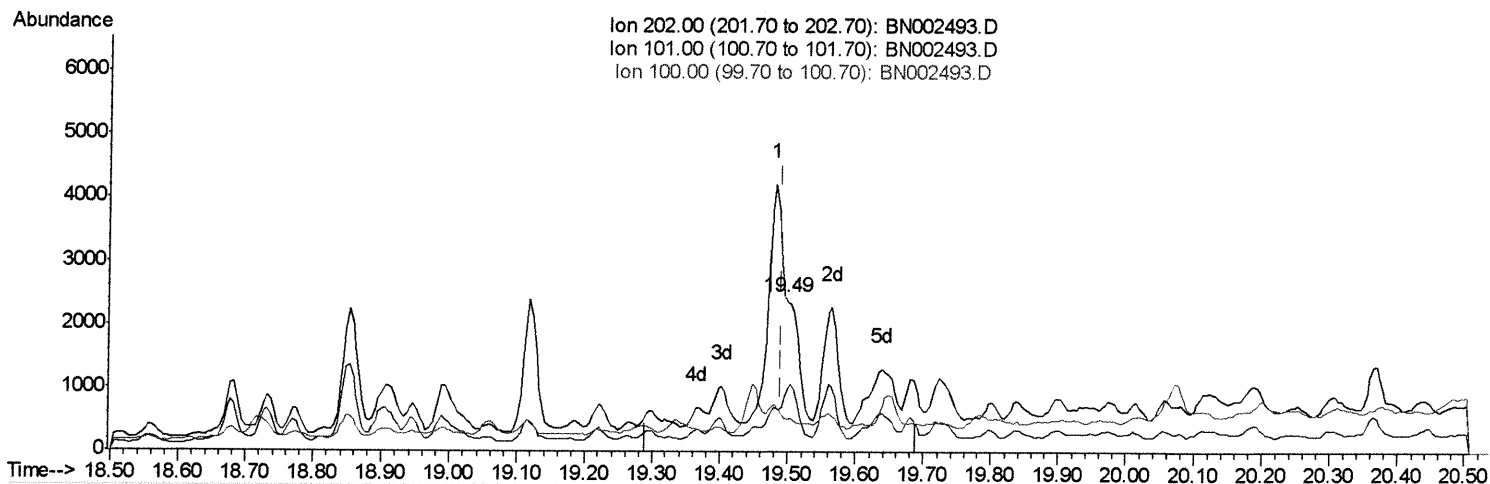
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002493.D  
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 Operator : JU/SJ  
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 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
 APPROVED

Sohil  
 8/24/2018 5:38:26 PM

Quant Time: Aug 24 08:25:14 2018  
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(17) Pyrene

19.494min (+0.005) 0.07ng/ul m

*SJ 8/27/18*

response 2406

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 15.00 | 35.37# |
| 100.00 | 10.00 | 21.87# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

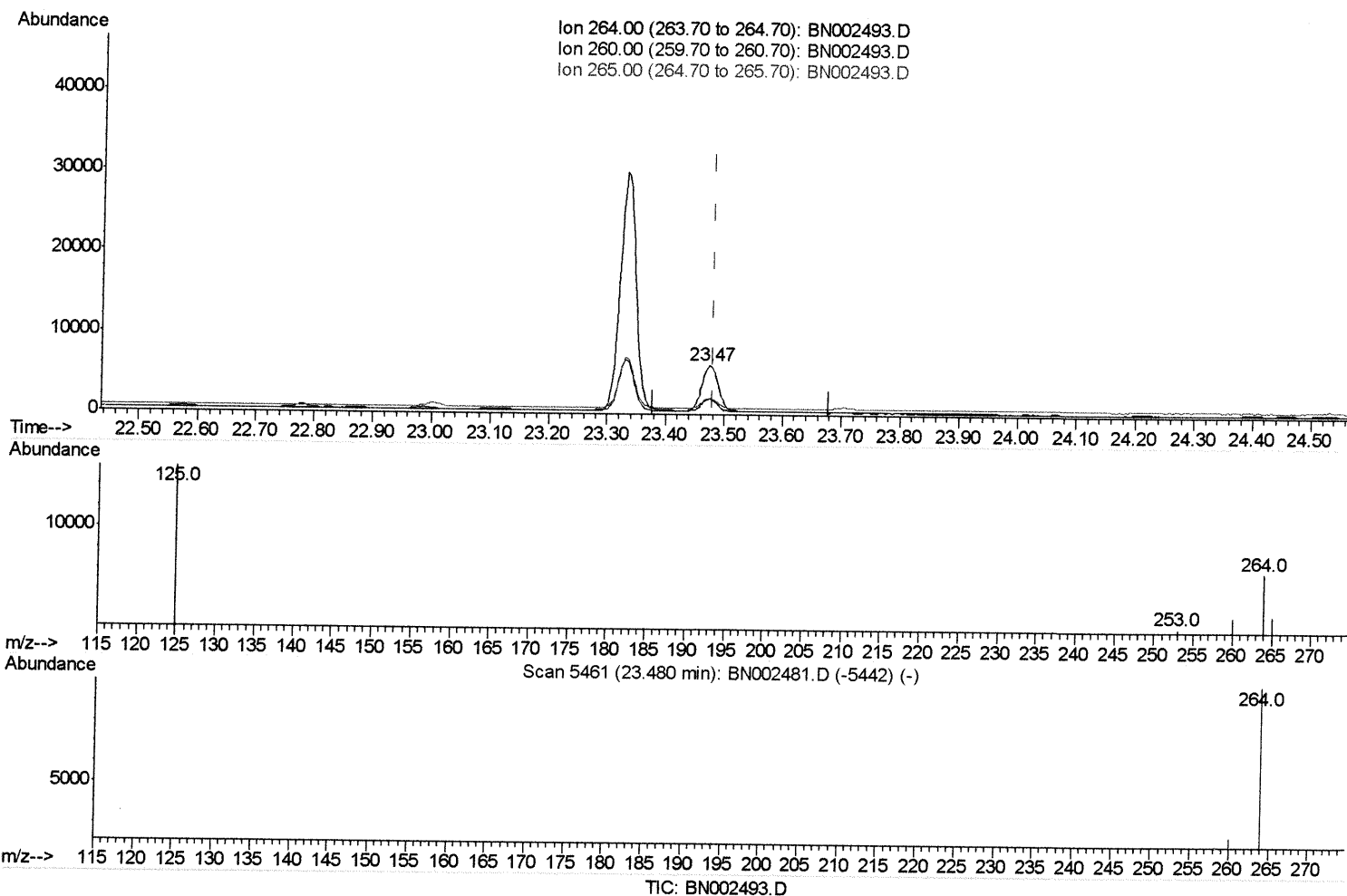
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
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(20) Perylene-d12 (I)

23.474min (-0.006) 0.40ng/ul

response 11447

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 31.21  |
| 265.00 | 103.50 | 32.70# |
| 0.00   | 0.00   | 0.00   |

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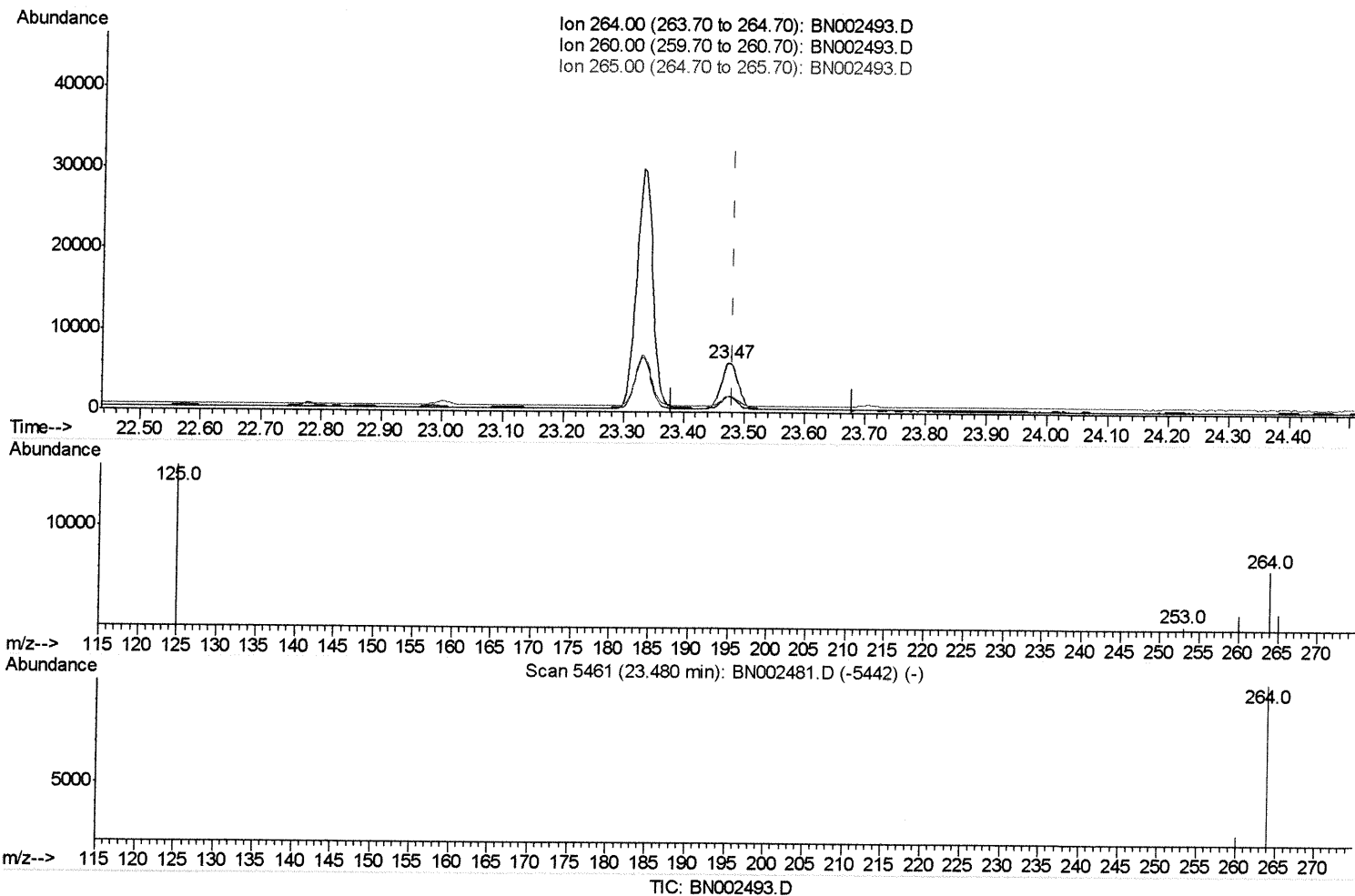
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
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Sohil  
 8/24/2018 5:38:26 PM

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(20) Perylene-d12 (I)

23.474min (-0.006) 0.40ng/ul m

*SJ 8/27/18*

response 10971

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 31.21  |
| 265.00 | 103.50 | 32.70# |
| 0.00   | 0.00   | 0.00   |

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Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 1848     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.45 | 136  | 8069     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.31 | 164  | 4849     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.05 | 188  | 10936m   | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.25 | 240  | 10629m   | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.47 | 264  | 10971m   | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.03 | 152  | 550      | 0.04 | ng/ul | -0.02    |
| 14) Fluoranthene-d10        | 19.09 | 212  | 1174m    | 0.04 | ng/ul | 0.00     |

| Target Compounds | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|------------------|-------|------|----------|-------|--------|--------|
| 9) Fluorene      | 15.36 | 166  | 4580     | 0.231 | ng/ul# | 56     |
| 13) Anthracene   | 17.25 | 178  | 7842m    | 0.282 | ng/ul  |        |
| 15) Fluoranthene | 19.12 | 202  | 2960m    | 0.078 | ng/ul  |        |
| 17) Pyrene       | 19.49 | 202  | 2406m    | 0.066 | ng/ul  |        |

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