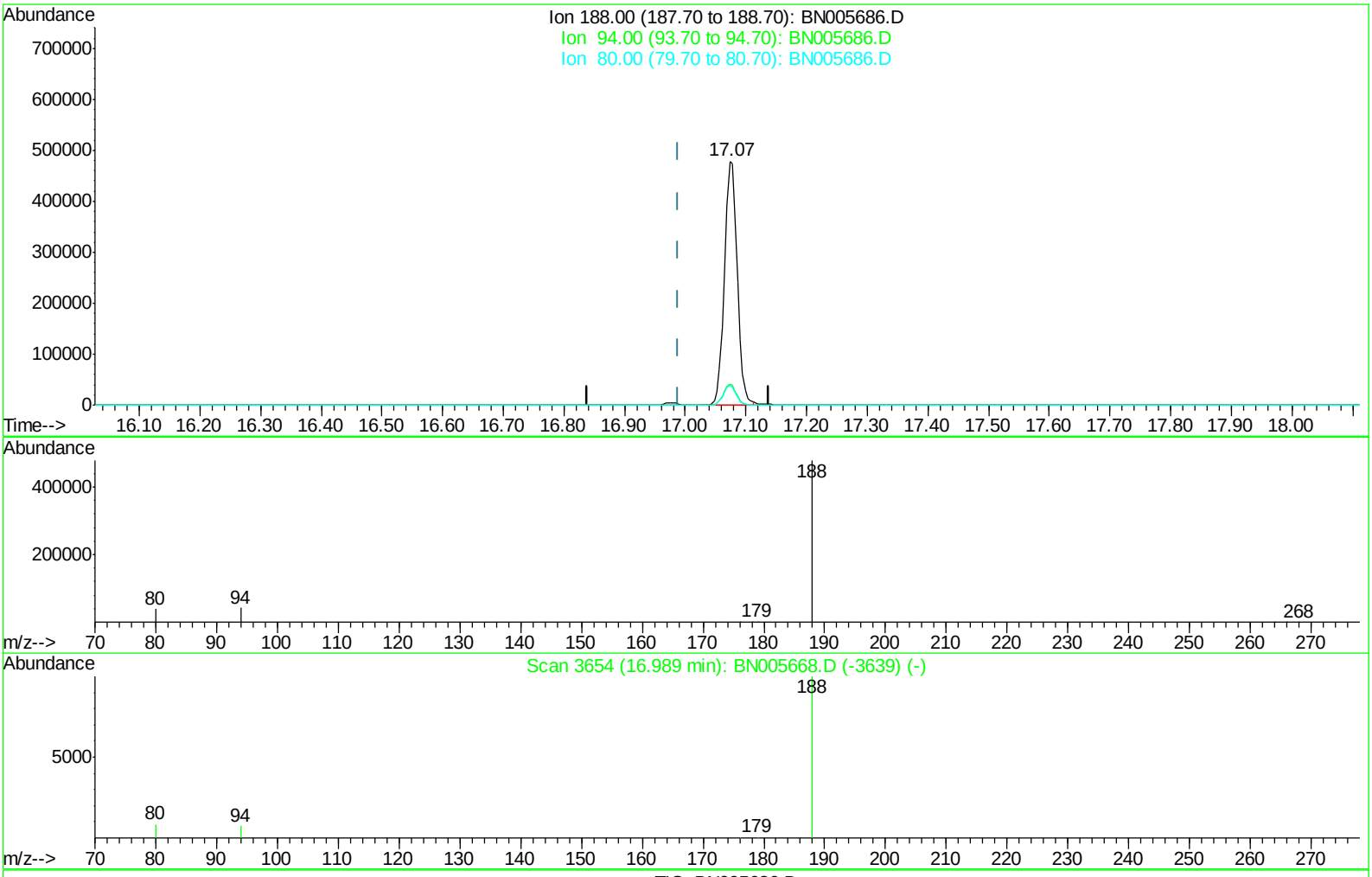
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:02:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration




TIC: BN005686.D

(10) Phenanthrene-d10 (I)

17.073min (+0.084) 0.40ng/ul

response 693133

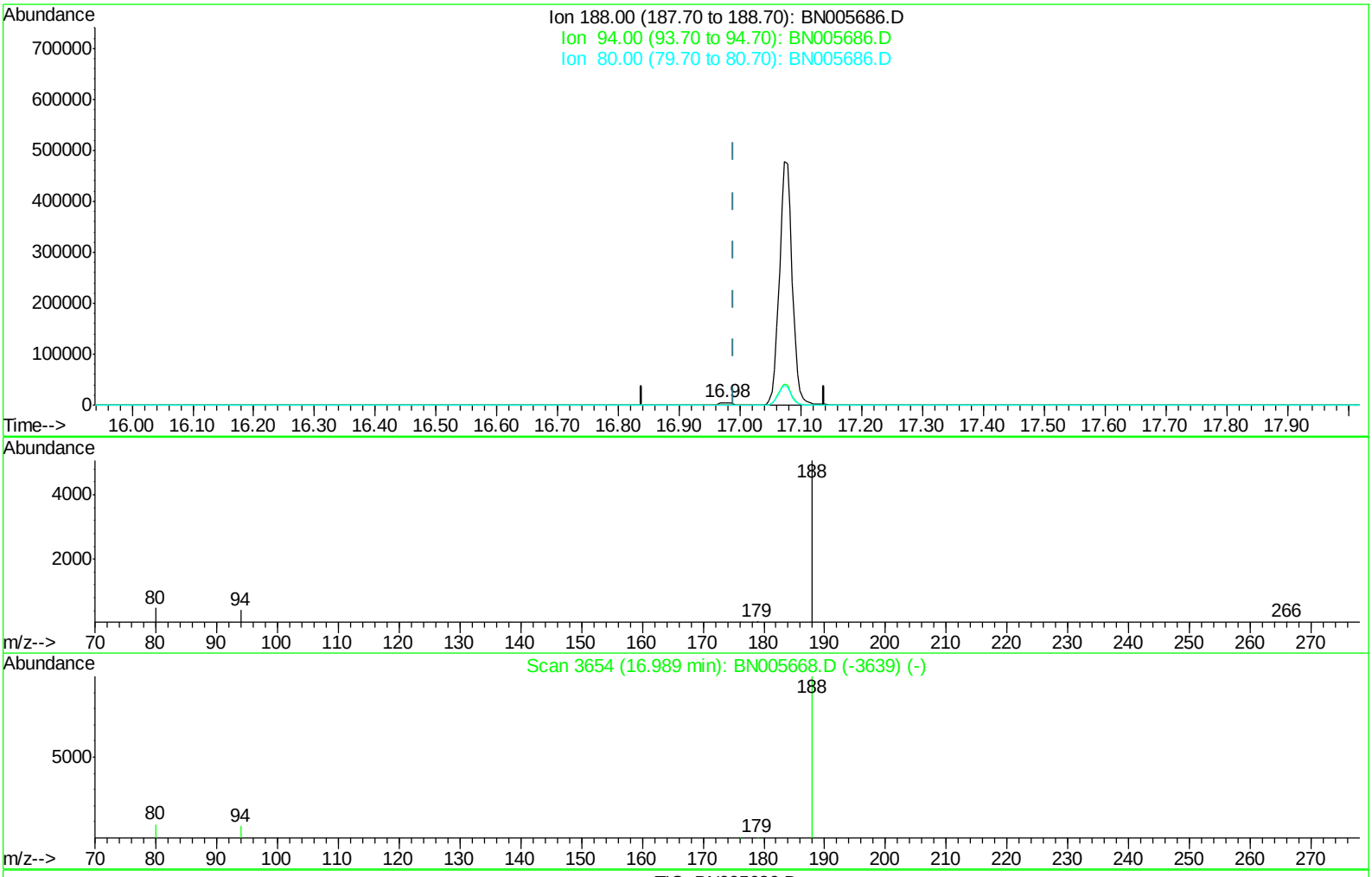
| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 9.40 | 8.83 |
| 80.00 | 9.80 | 8.17 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:02:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration




TIC: BN005686.D

(10) Phenanthrene-d10 (I)

16.976min (-0.013) 0.40ng/ul m

response 7370

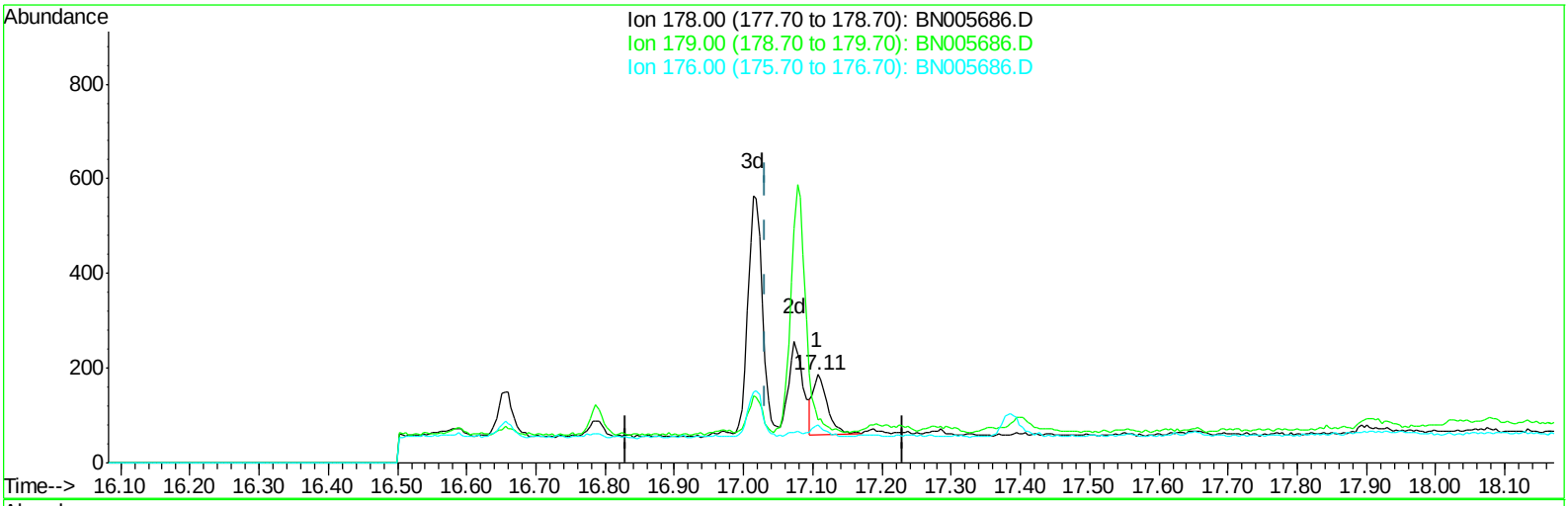
| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 9.40 | 8.31 |
| 80.00 | 9.80 | 9.57 |
| 0.00 | 0.00 | 0.00 |

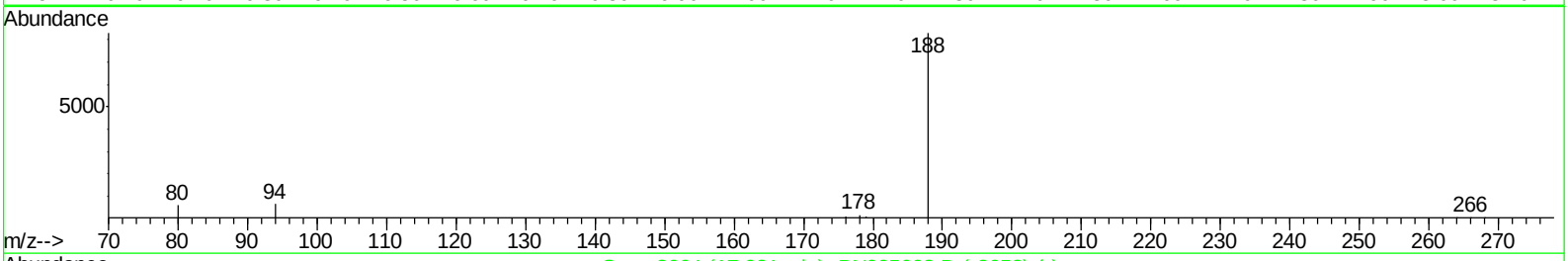
Quantitation Report (Qedit)

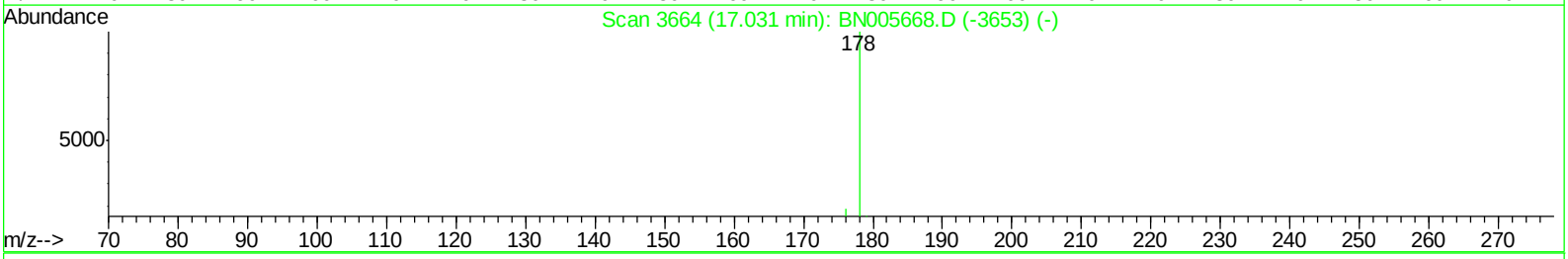
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:02:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration




TIC: BN005686.D

(12) Phenanthrene

17.107min (+0.076) 0.01ng/ul

response 186

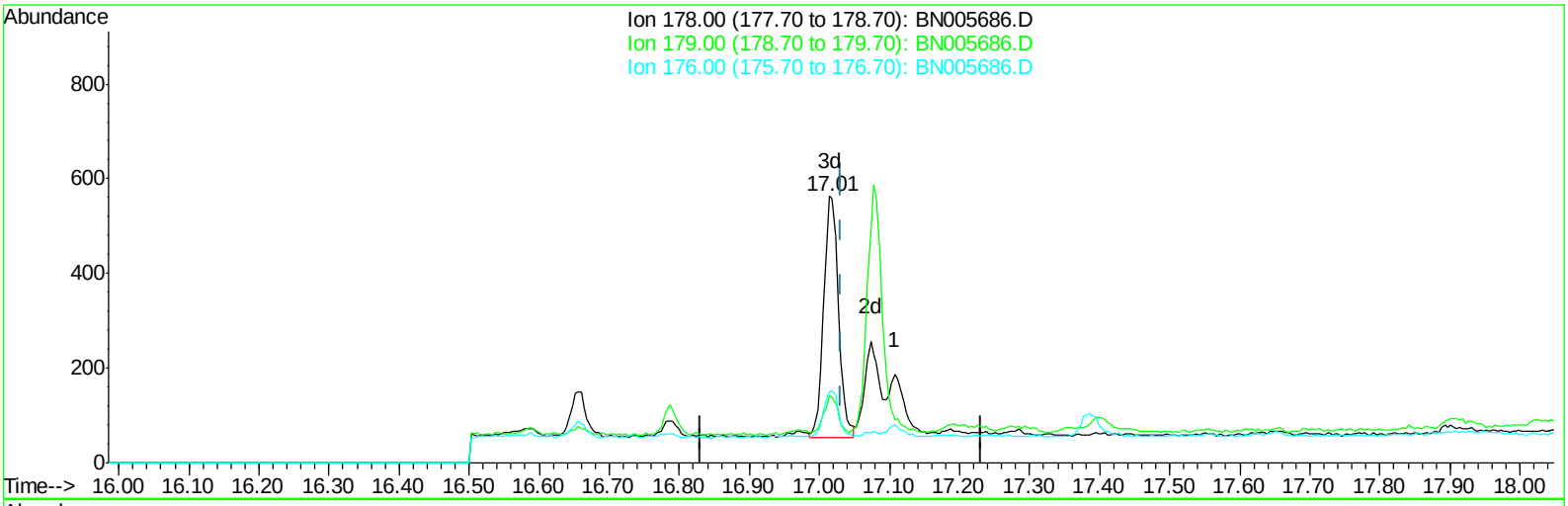
| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 16.00 | 49.46# |
| 176.00 | 19.10 | 43.01# |
| 0.00 | 0.00 | 0.00 |

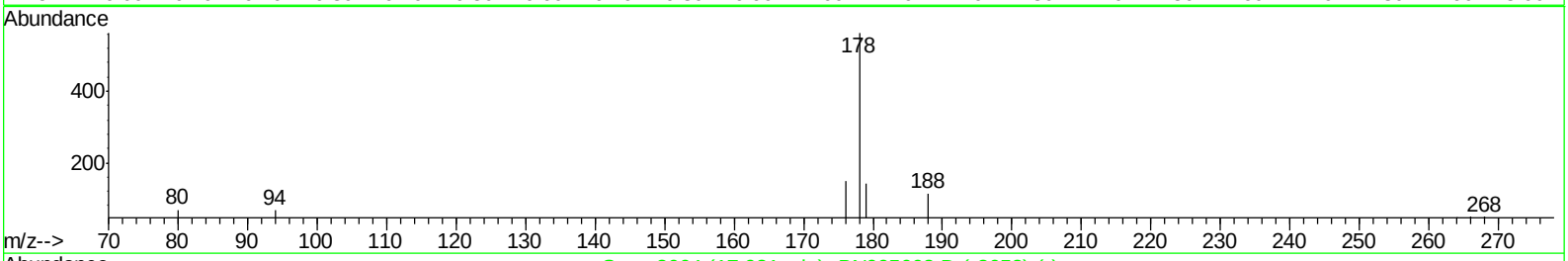
Quantitation Report (Qedit)

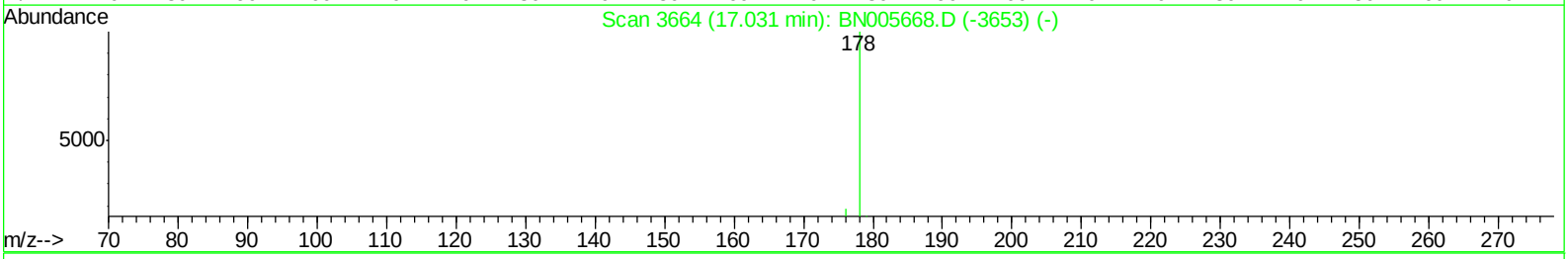
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:02:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration




TIC: BN005686.D

(12) Phenanthrene

17.014min (-0.017) 0.04ng/ul m

response 752

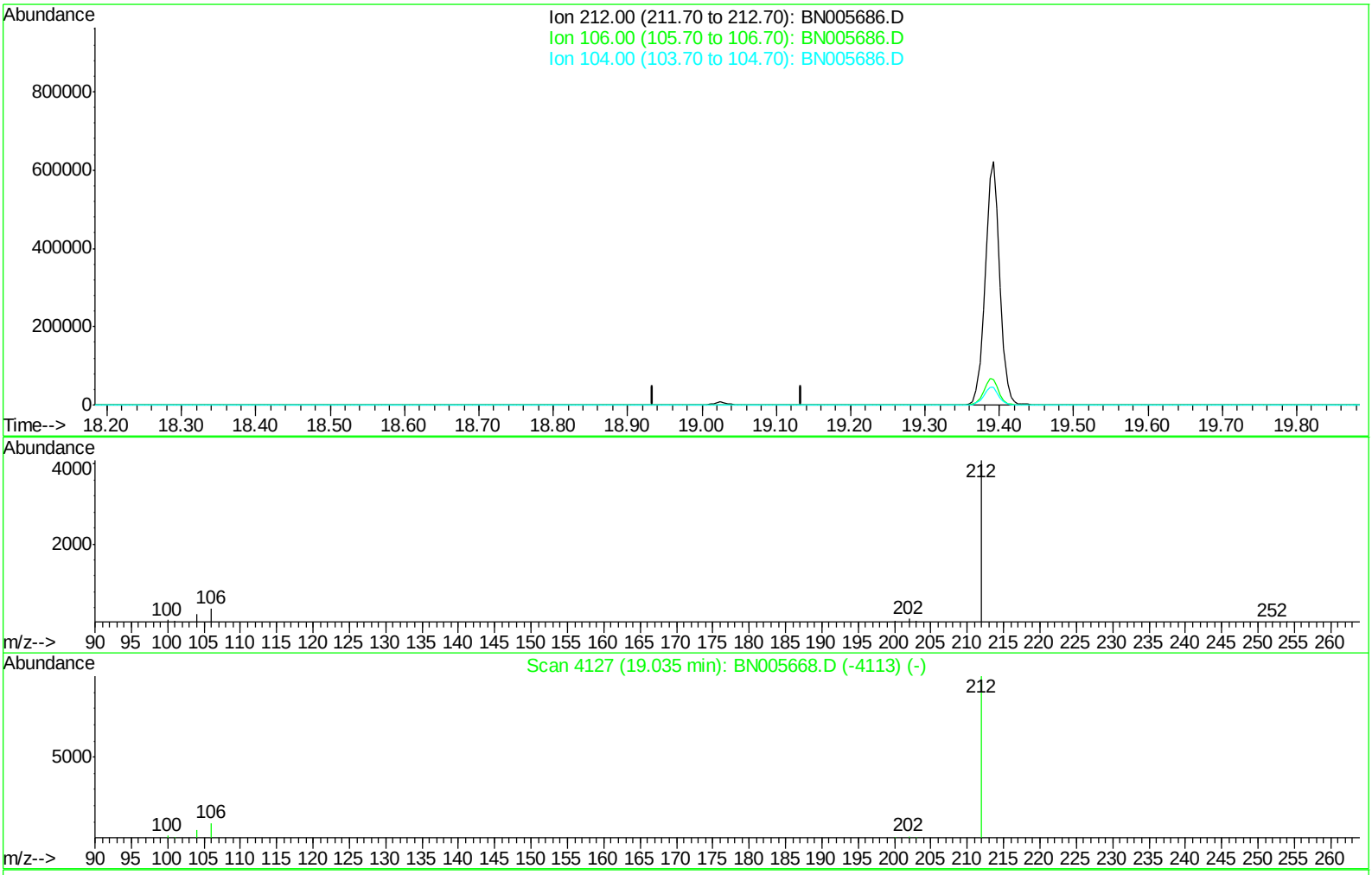
| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 16.00 | 25.04# |
| 176.00 | 19.10 | 26.64# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:02:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration




TIC: BN005686.D

(14) Fluoranthene-d10 (SURR)

19.035min (-19.035) 0.00ng/ul

response 0

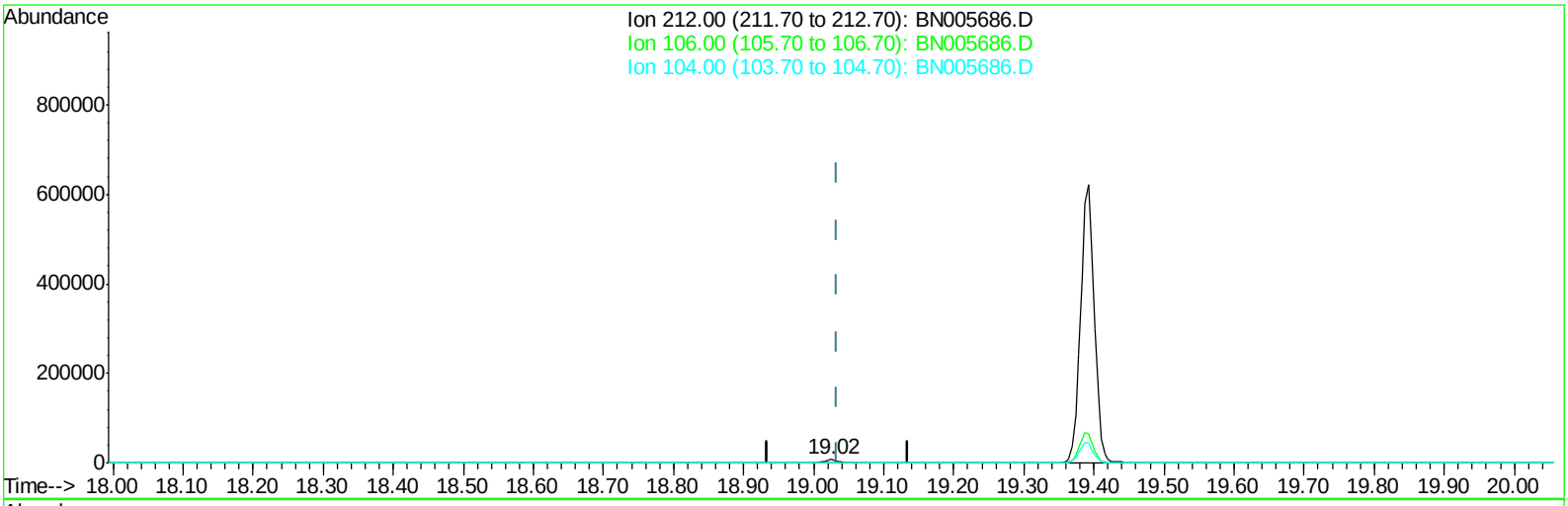
| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 0.00 |
| 106.00 | 10.80 | 0.00# |
| 104.00 | 6.20 | 0.00# |
| 0.00 | 0.00 | 0.00 |

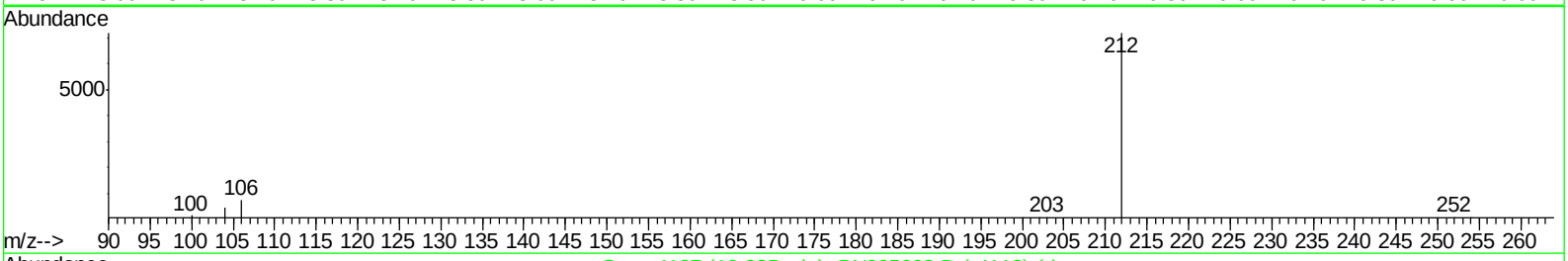
Quantitation Report (Qedit)

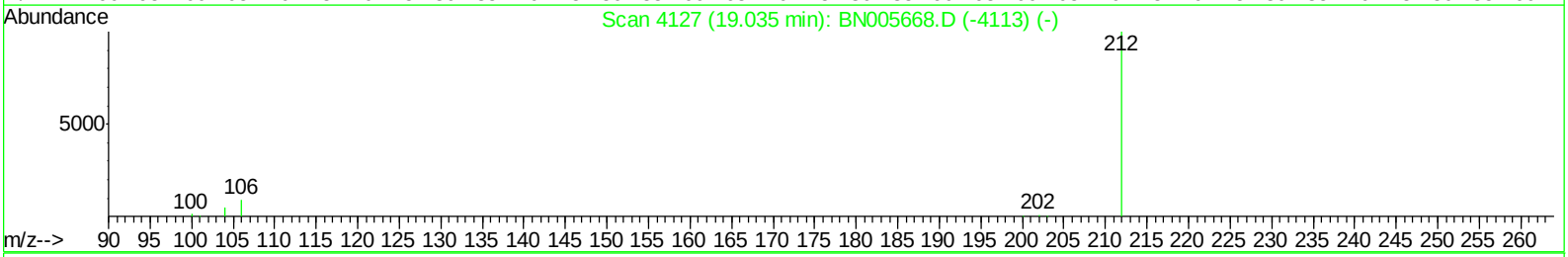
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:02:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration




TIC: BN005686.D

(14) Fluoranthene-d10 (SURR)

19.025min (-0.010) 0.42ng/ul m

response 9732

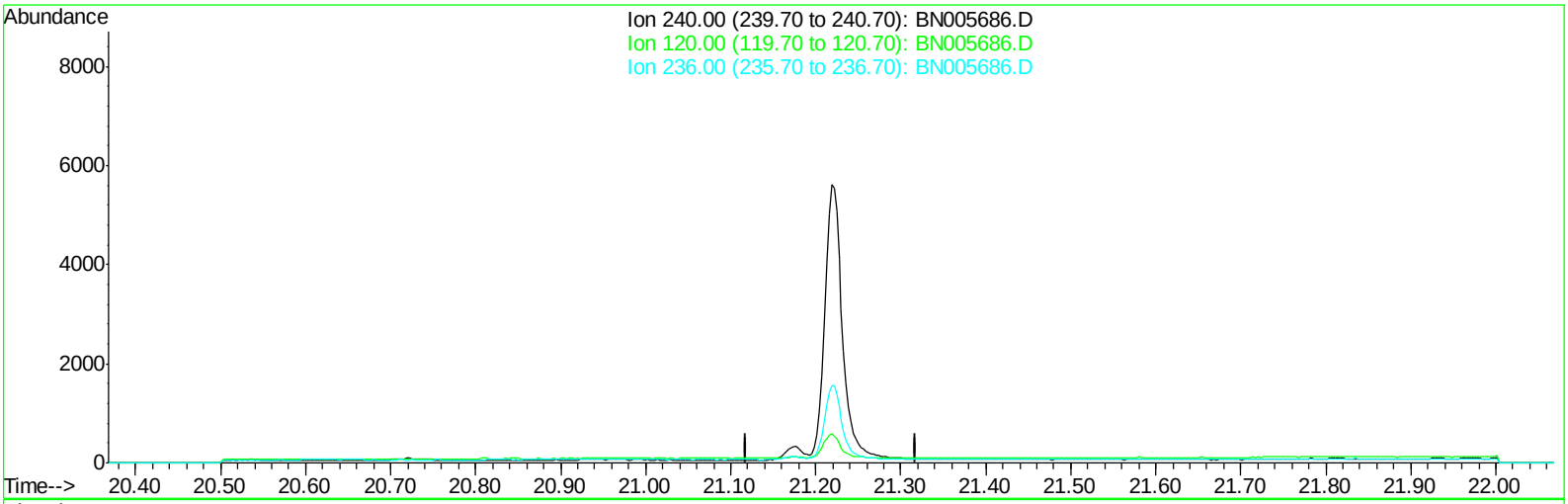
| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 10.80 | 0.00# |
| 104.00 | 6.20 | 0.00# |
| 0.00 | 0.00 | 0.00 |

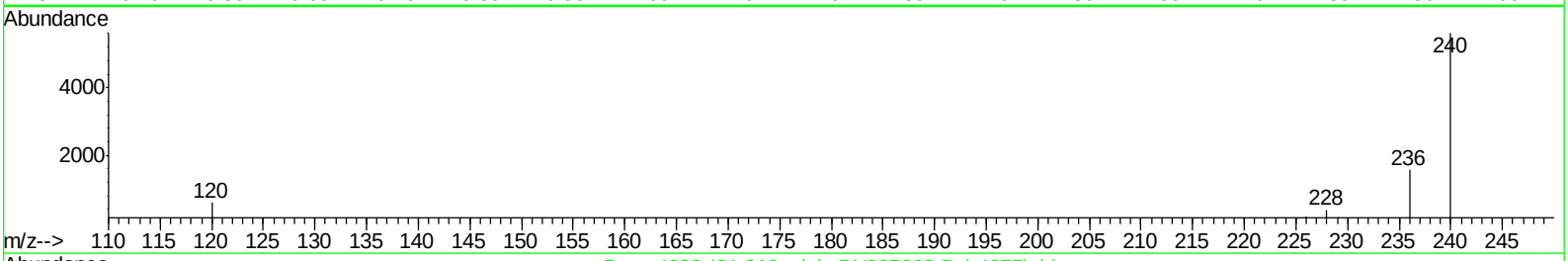
Quantitation Report (Qedit)

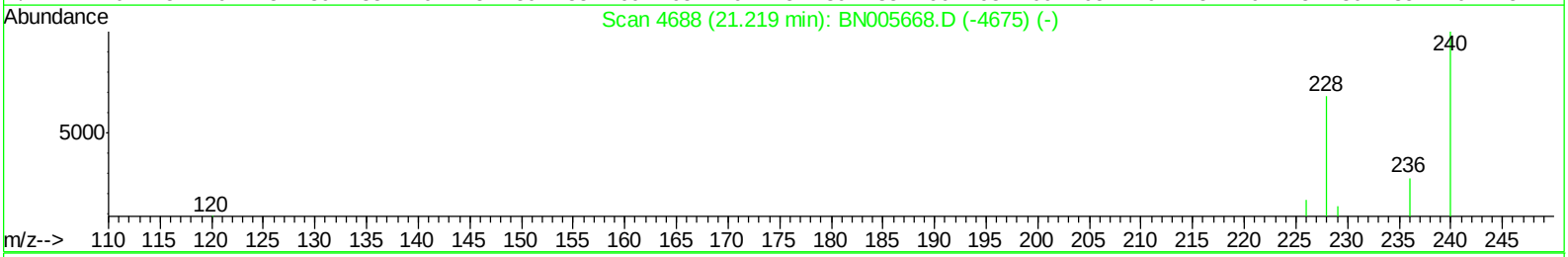
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:02:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration




TIC: BN005686.D

(16) Chrysene-d12 (I)

21.219min (-21.219) 0.00ng/ul

response 0

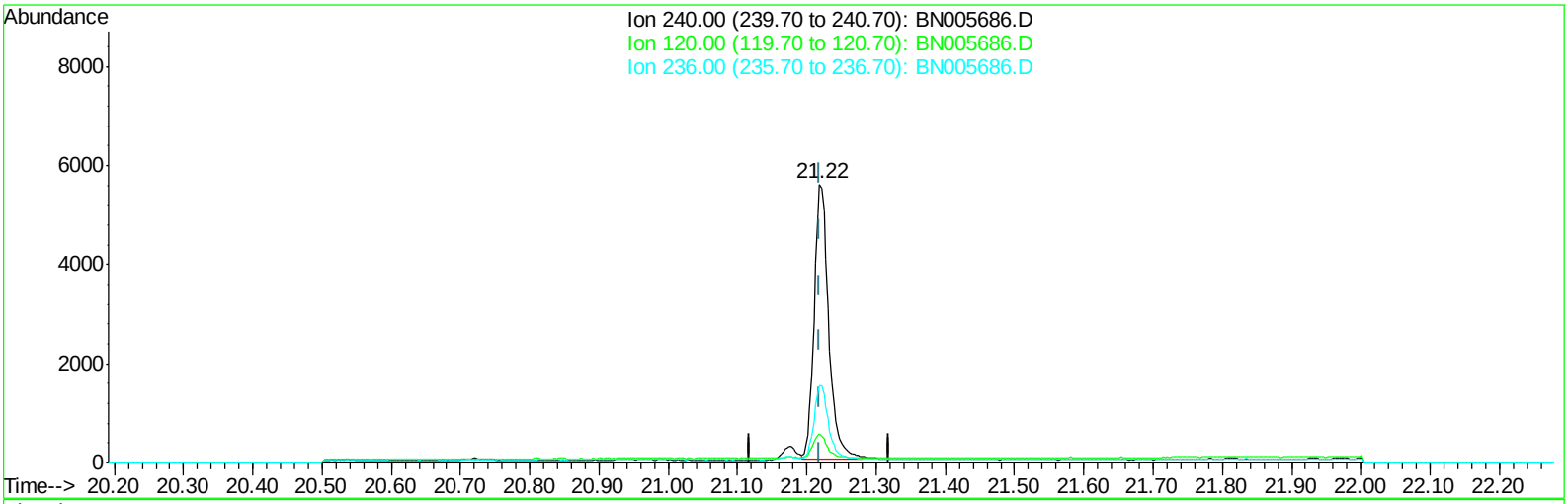
| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 0.00 |
| 120.00 | 11.90 | 0.00# |
| 236.00 | 28.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |

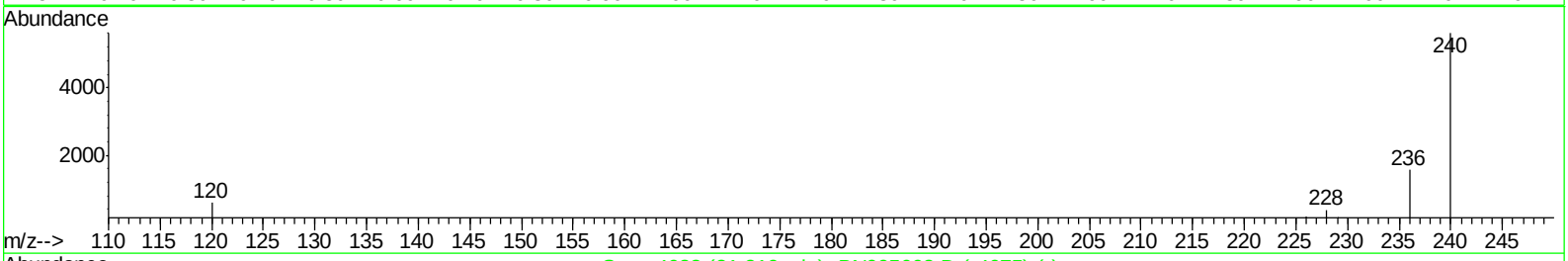
Quantitation Report (Qedit)

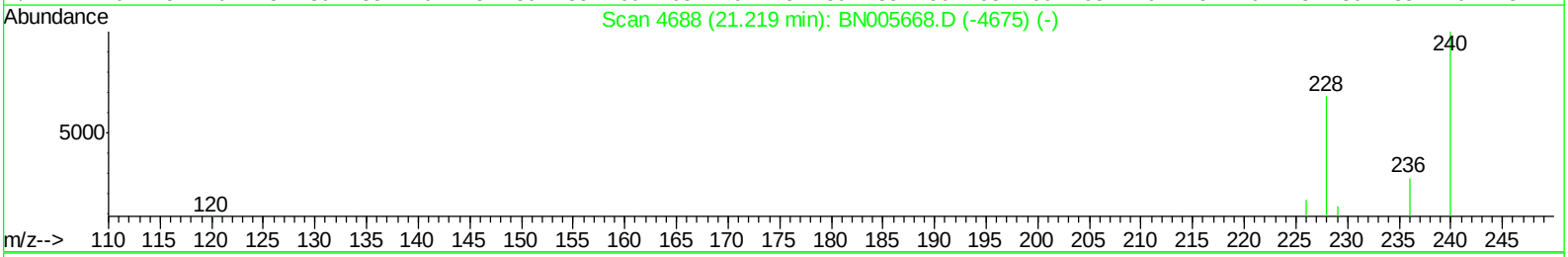
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:02:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration




TIC: BN005686.D

(16) Chrysene-d12 (I)

21.218min (-0.000) 0.40ng/ul m

response 8031

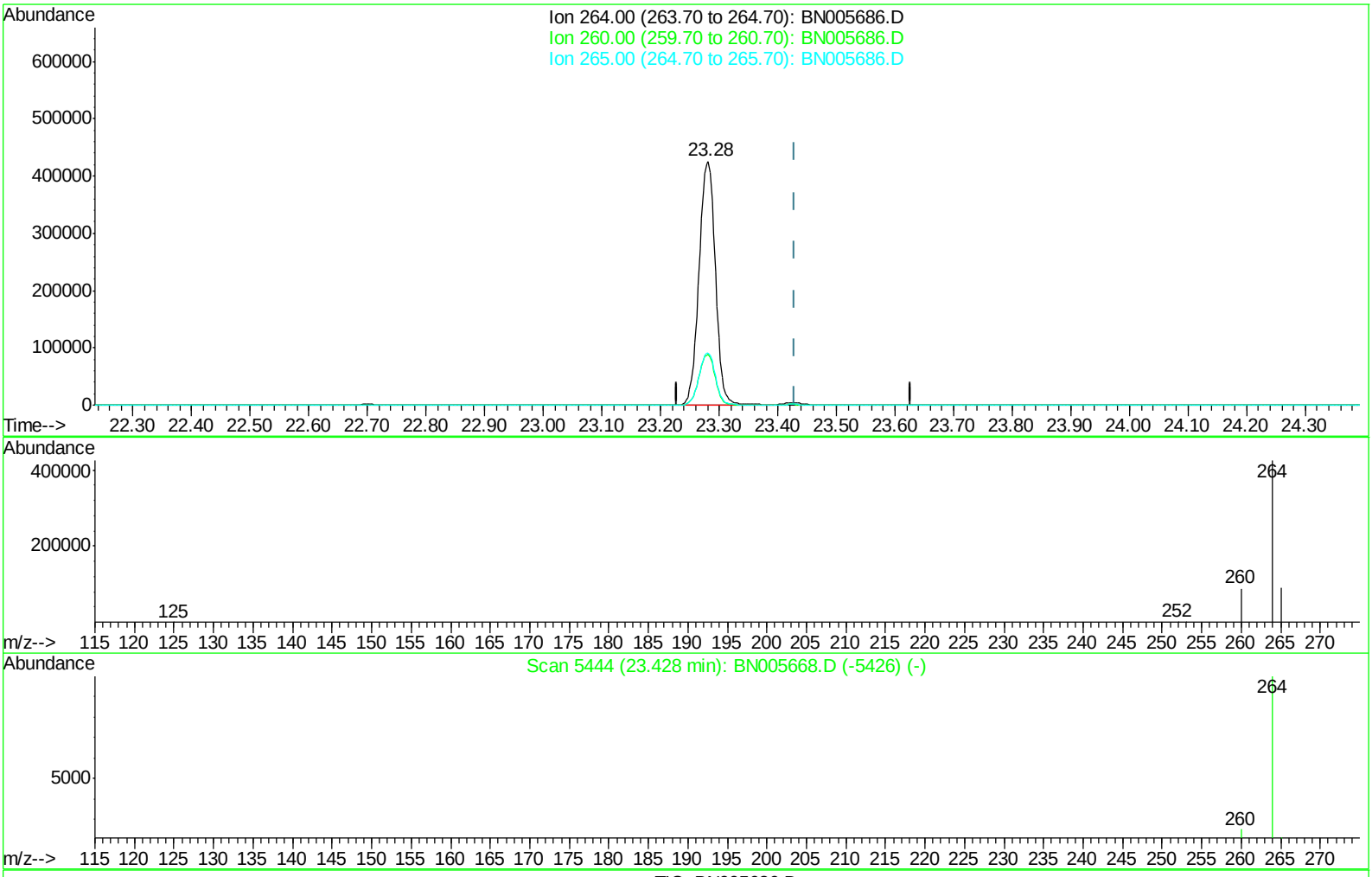
| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 11.90 | 10.49 |
| 236.00 | 28.00 | 27.93 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:04:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration










TIC: BN005686.D

(20) Perylene-d12 (I)

23.282min (-0.146) 0.40ng/ul

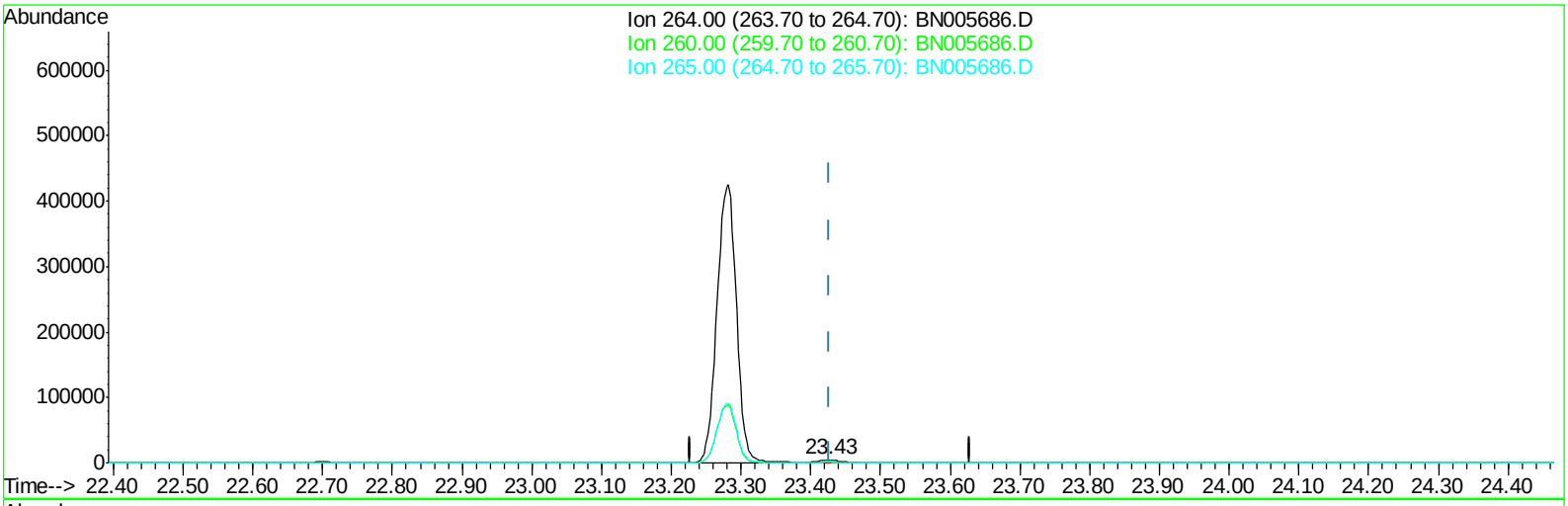
response 818478

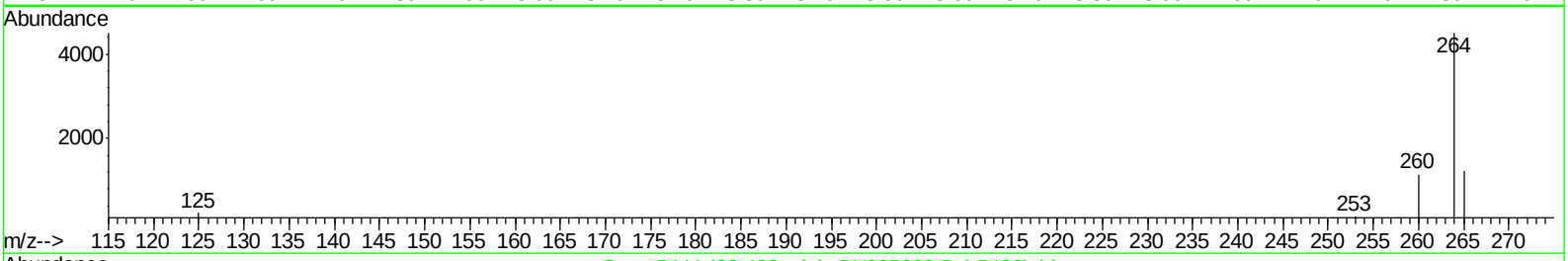
| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 25.30 | 20.78 |
| 265.00 | 31.70 | 21.39# |
| 0.00 | 0.00 | 0.00 |

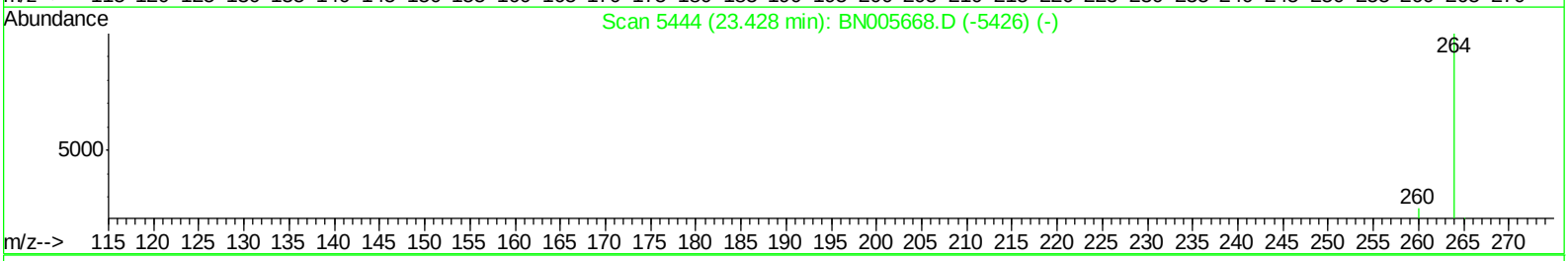
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:04:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration




TIC: BN005686.D

(20) Perylene-d12 (I)

23.425min (-0.003) 0.40ng/ul m

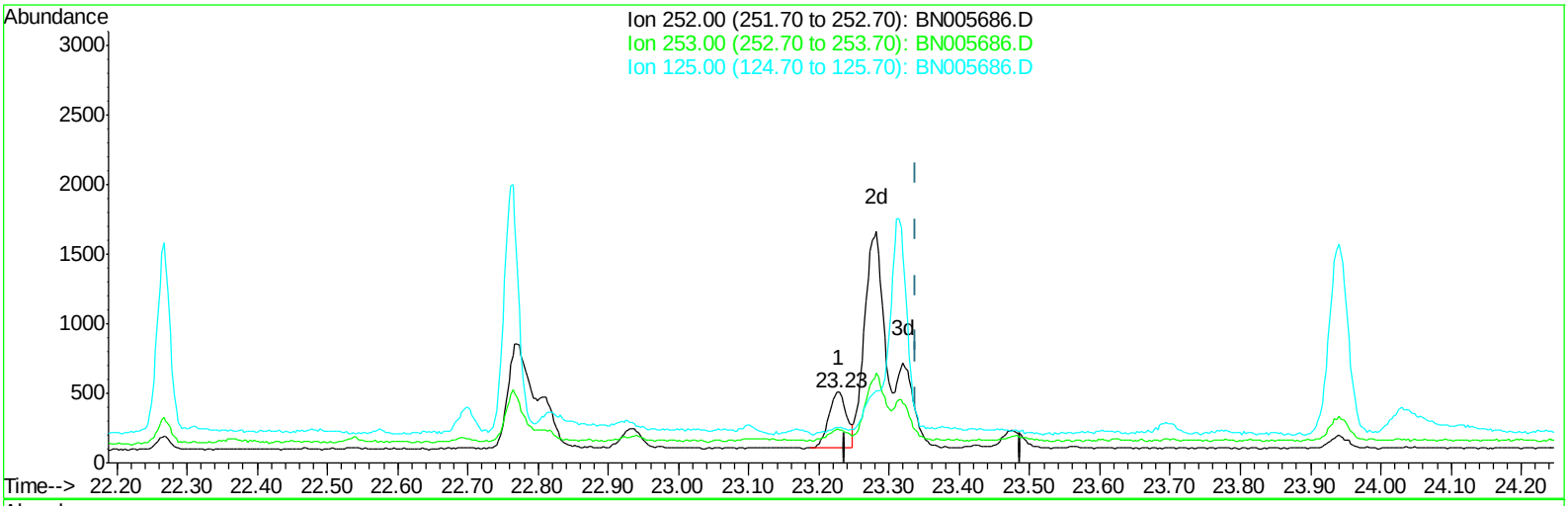
response 7026

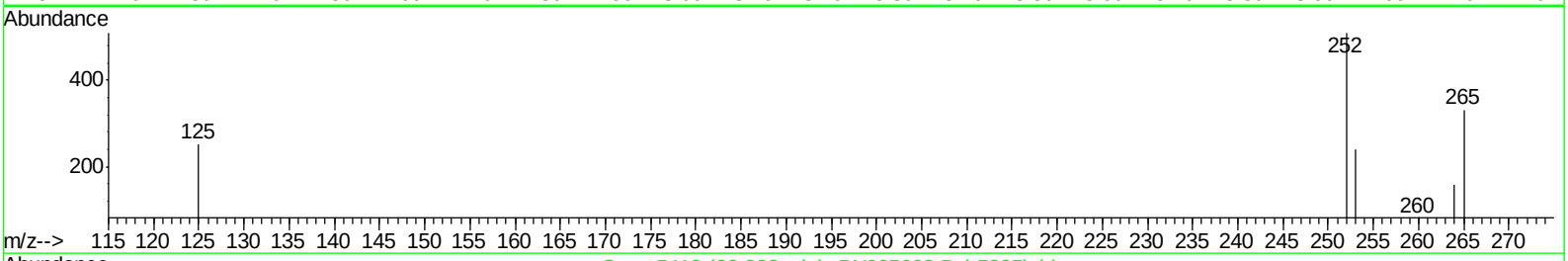
| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 25.30 | 25.76 |
| 265.00 | 31.70 | 27.70 |
| 0.00 | 0.00 | 0.00 |

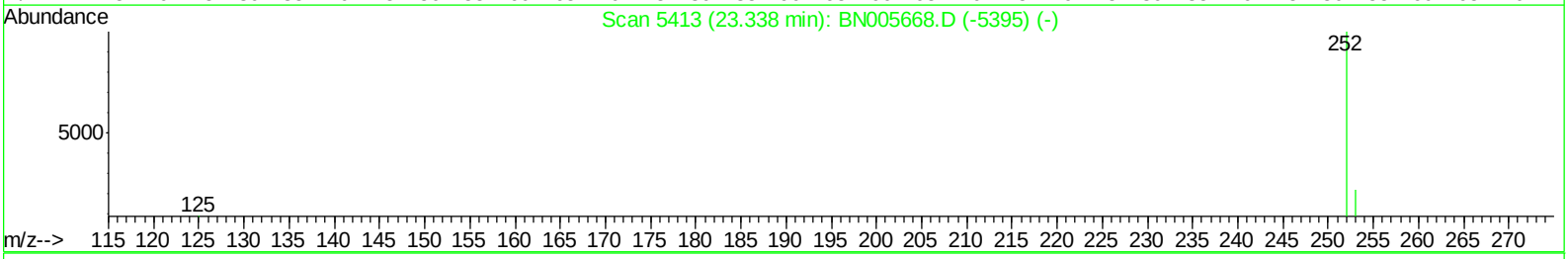
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:04:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration




TIC: BN005686.D

(23) Benzo(a)pyrene (C)

23.229min (-0.108) 0.03ng/ul

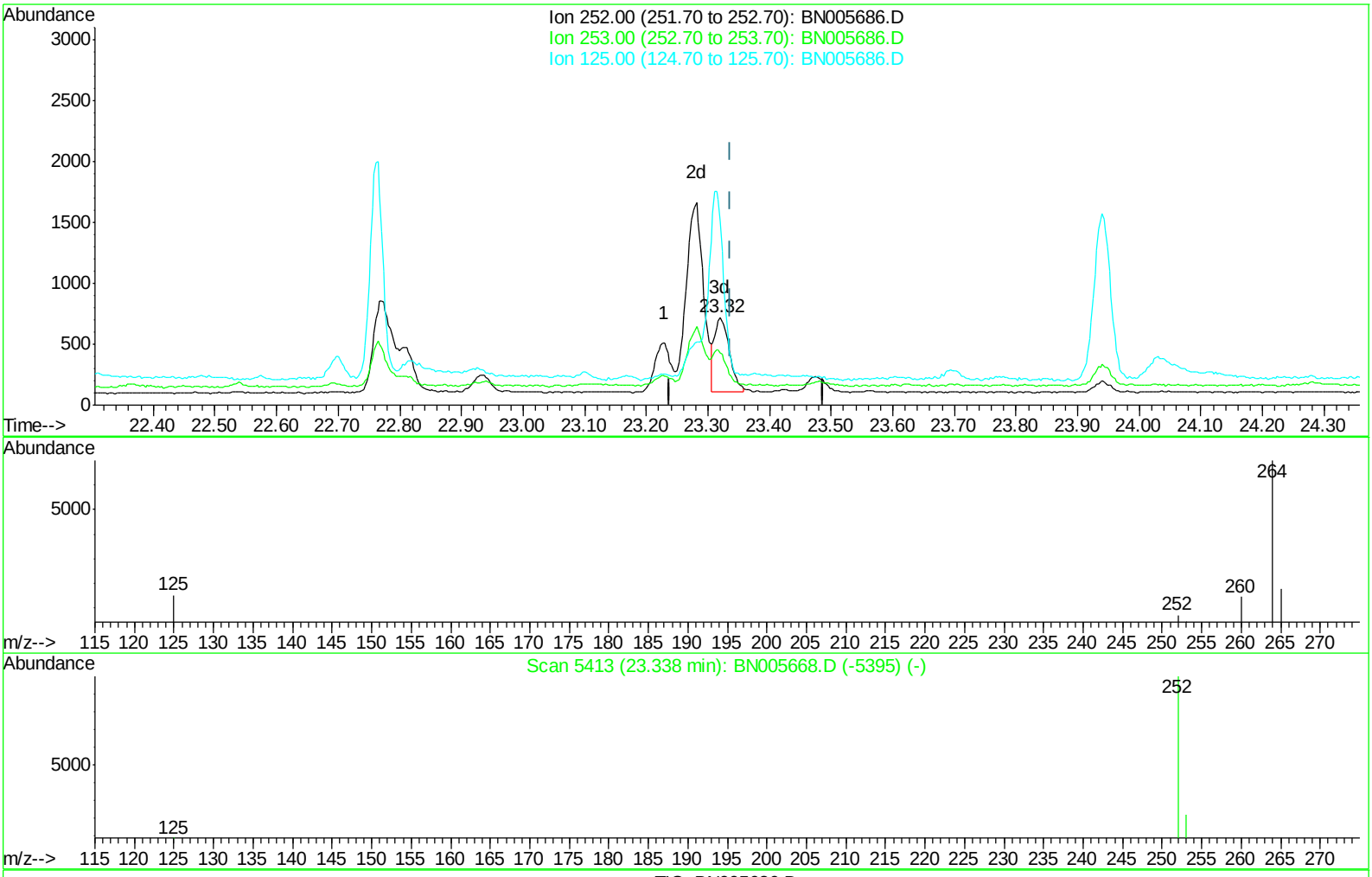
response 727

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 24.50 | 46.95# |
| 125.00 | 12.60 | 49.71# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:04:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration




TIC: BN005686.D

(23) Benzo(a)pyrene (C)

23.320min (-0.018) 0.04ng/ul m

response 1026

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 24.50 | 59.78# |
| 125.00 | 12.60 | 210.12# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:05:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.59 | 152 | 959 | 0.40 | ng/ul | -0.01 |
| 2) Naphthalene-d8 | 10.35 | 136 | 4134 | 0.40 | ng/ul | -0.01 |
| 6) Acenaphthene-d10 | 14.22 | 164 | 2890 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.98 | 188 | 7370m | 0.40 | ng/ul | -0.01 |
| 16) Chrysene-d12 | 21.22 | 240 | 8031m | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.43 | 264 | 7026m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.97 | 152 | 2846 | 0.44 | ng/ul | 0.01 |
| 14) Fluoranthene-d10 | 19.02 | 212 | 9732m | 0.42 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 12) Phenanthrene | 17.01 | 178 | 752m | 0.037 | ng/ul | |
| 17) Pyrene | 19.42 | 202 | 1822 | 0.061 | ng/ul# | 79 |
| 18) Benzo(a)anthracene | 21.21 | 228 | 823 | 0.030 | ng/ul# | 74 |
| 19) Chrysene | 21.26 | 228 | 1161 | 0.034 | ng/ul# | 80 |
| 23) Benzo(a)pyrene | 23.32 | 252 | 1026m | 0.043 | ng/ul | |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051319\
Data File : BN005686.D
Acq On : 14 May 2019 11:16
Operator : JU/SJ
Sample : K2692-10

Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 14 18:05:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration