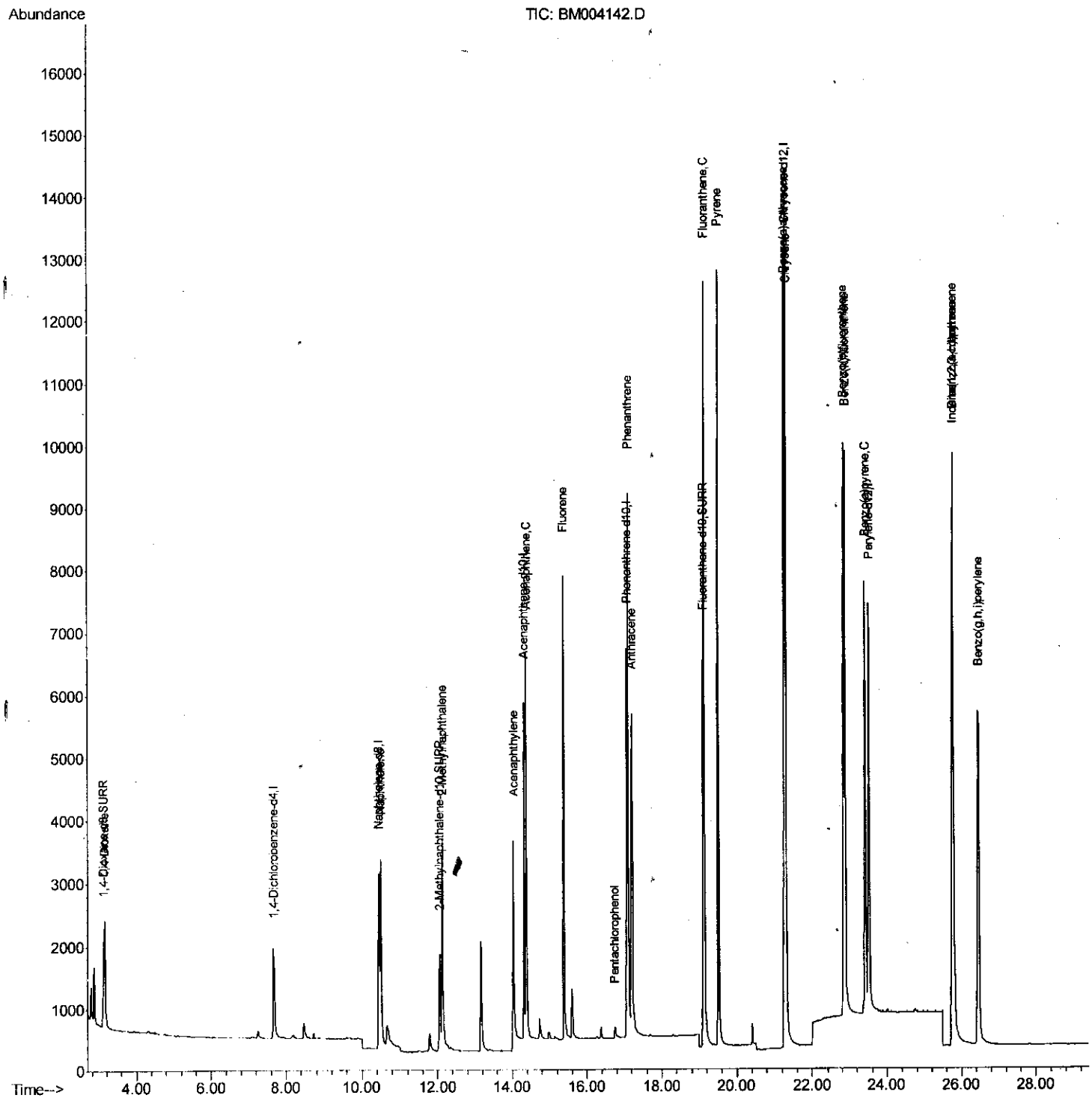
Data Path : Z:\HPCHEM1\BNA_M\Data\BM012916\
Data File : BM004142.D
Acq On : 29 Jan 2016 11:45
Operator : SJ/IZ
Sample : SSTD0.450
Misc :
ALS Vial : 4 Sample Multiplier: 1

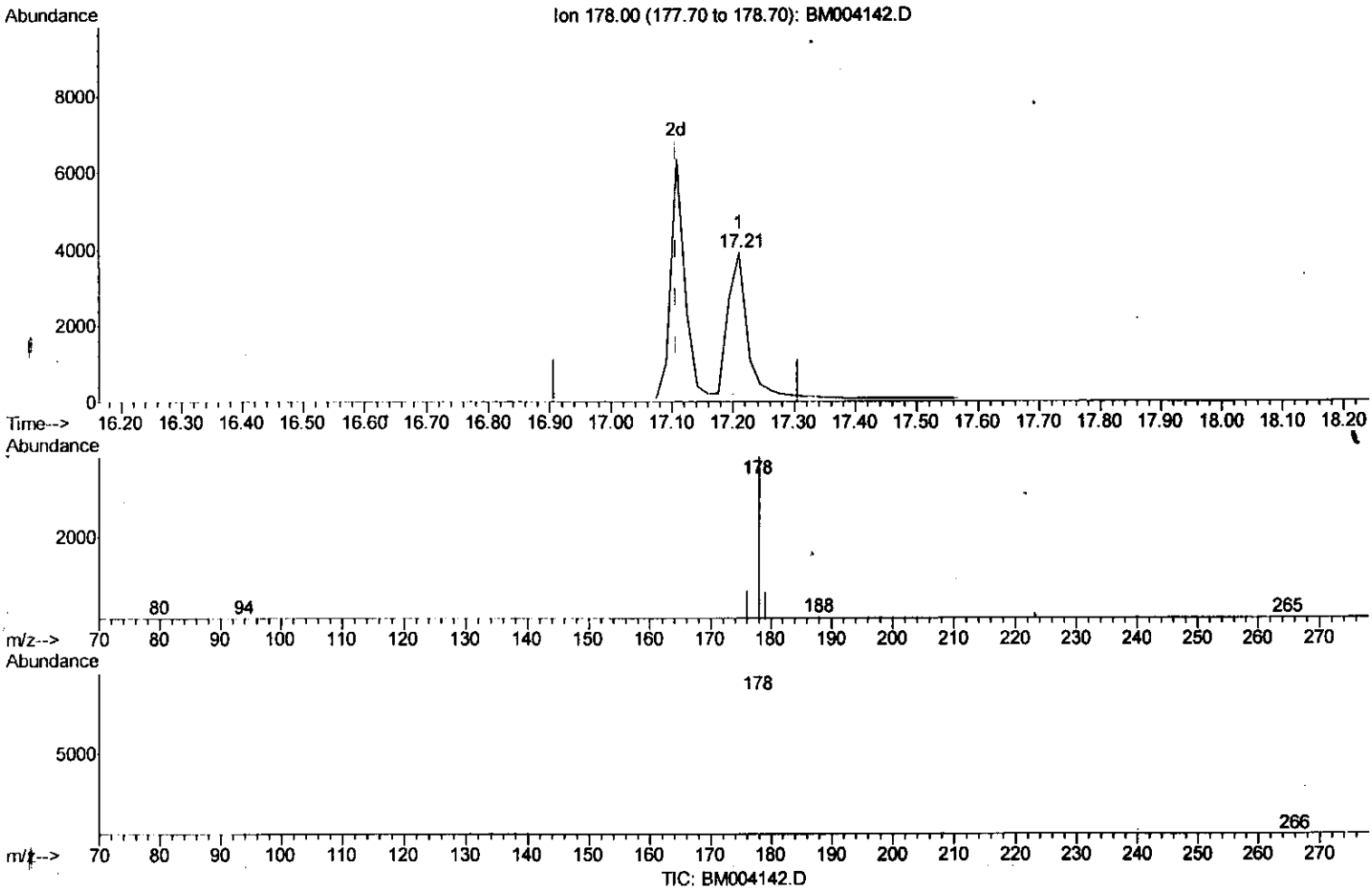
Quant Time: Jan 29 12:23:58 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 29 12:08:00 2016
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012916\
Data File : BM004142.D
Acq On : 29 Jan 2016 11:45
Operator : SJ/IZ
Sample : SSTD0.450
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 29 12:21:16 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 29 12:08:00 2016
Response via : Initial Calibration




(14) Phenanthrene

17.211min (+0.103) 0.31ng/ul

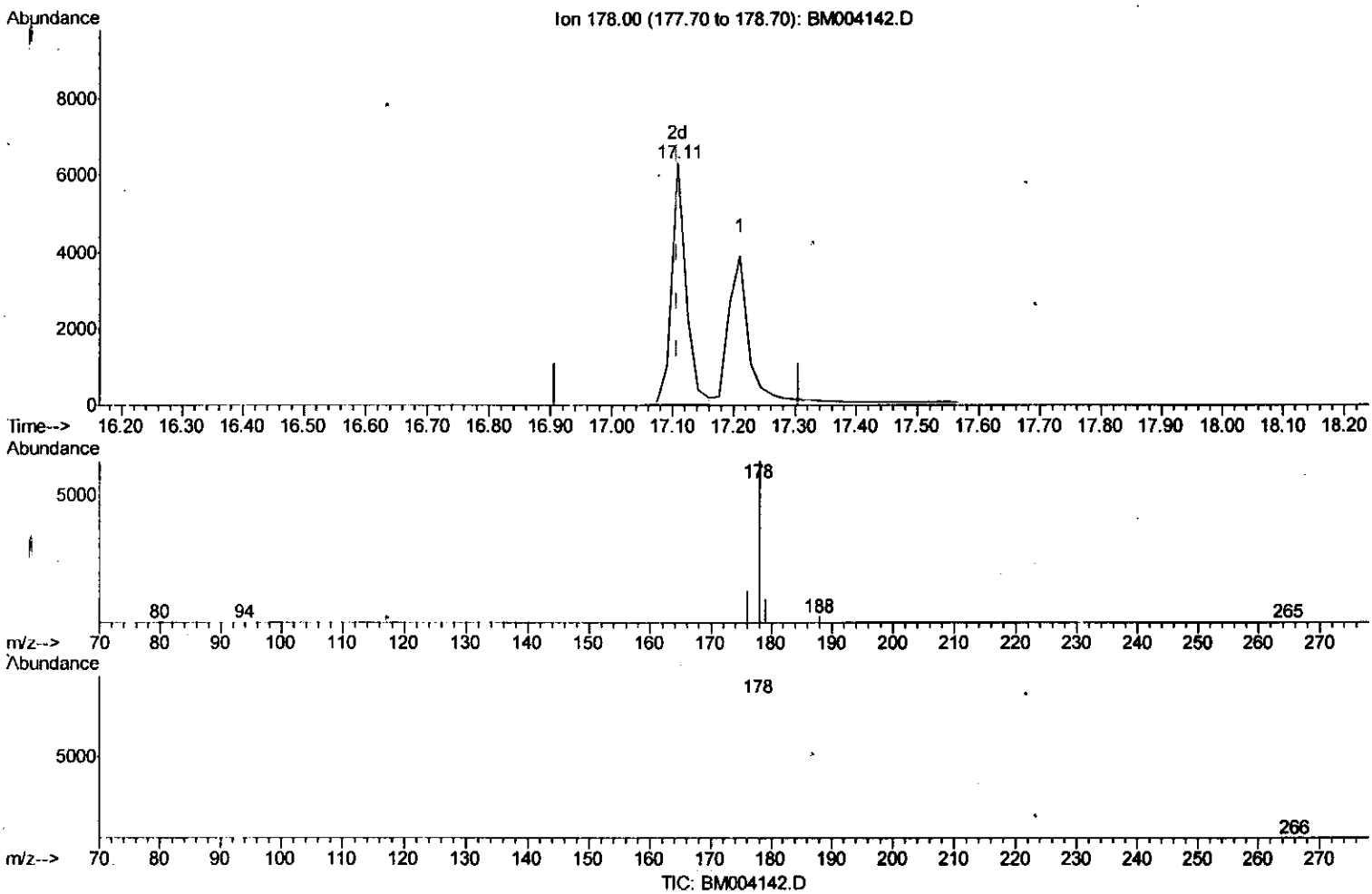
response 7590

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 176.00 | 16.20 | 18.14 |
| 179.00 | 17.70 | 17.51 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012916\
Data File : BM004142.D
Acq On : 29 Jan 2016 11:45
Operator : SJ/IZ
Sample : SSTD0.450
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 29 12:21:16 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 29 12:08:00 2016
Response via : Initial Calibration




TIC: BM004142.D

(14) Phenanthrene

17.108min (0.000) 0.42ng/ul m

response 10340

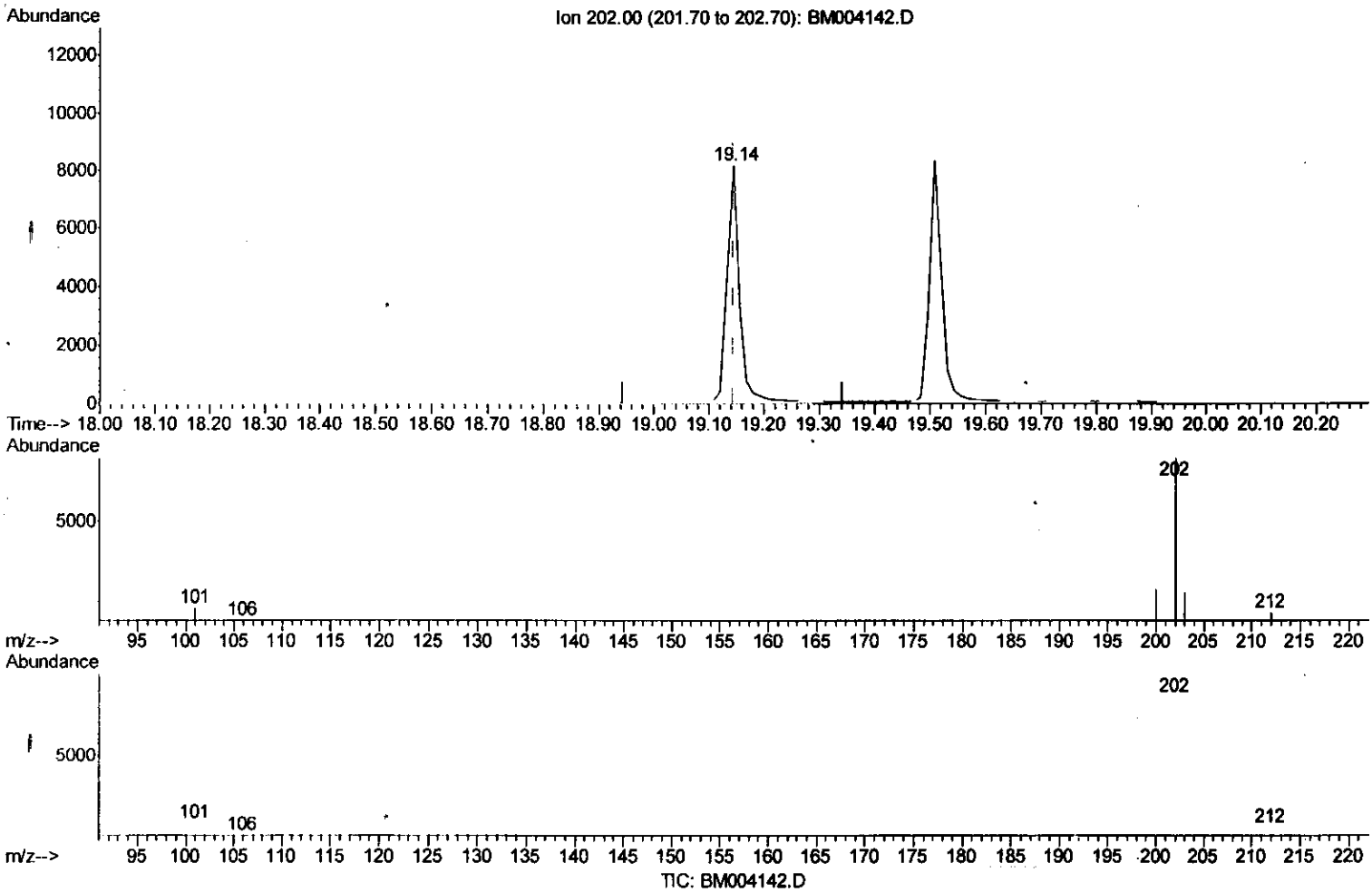
S.J 1/30/16

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 176.00 | 16.20 | 20.36# |
| 179.00 | 17.70 | 15.51 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012916\
Data File : BM004142.D
Acq On : 29 Jan 2016 11:45
Operator : SJ/IZ
Sample : SSTD0.450
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 29 12:21:16 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 29 12:08:00 2016
Response via : Initial Calibration




(17) Fluoranthene (C)

19.145min (0.000) 0.53ng/ul

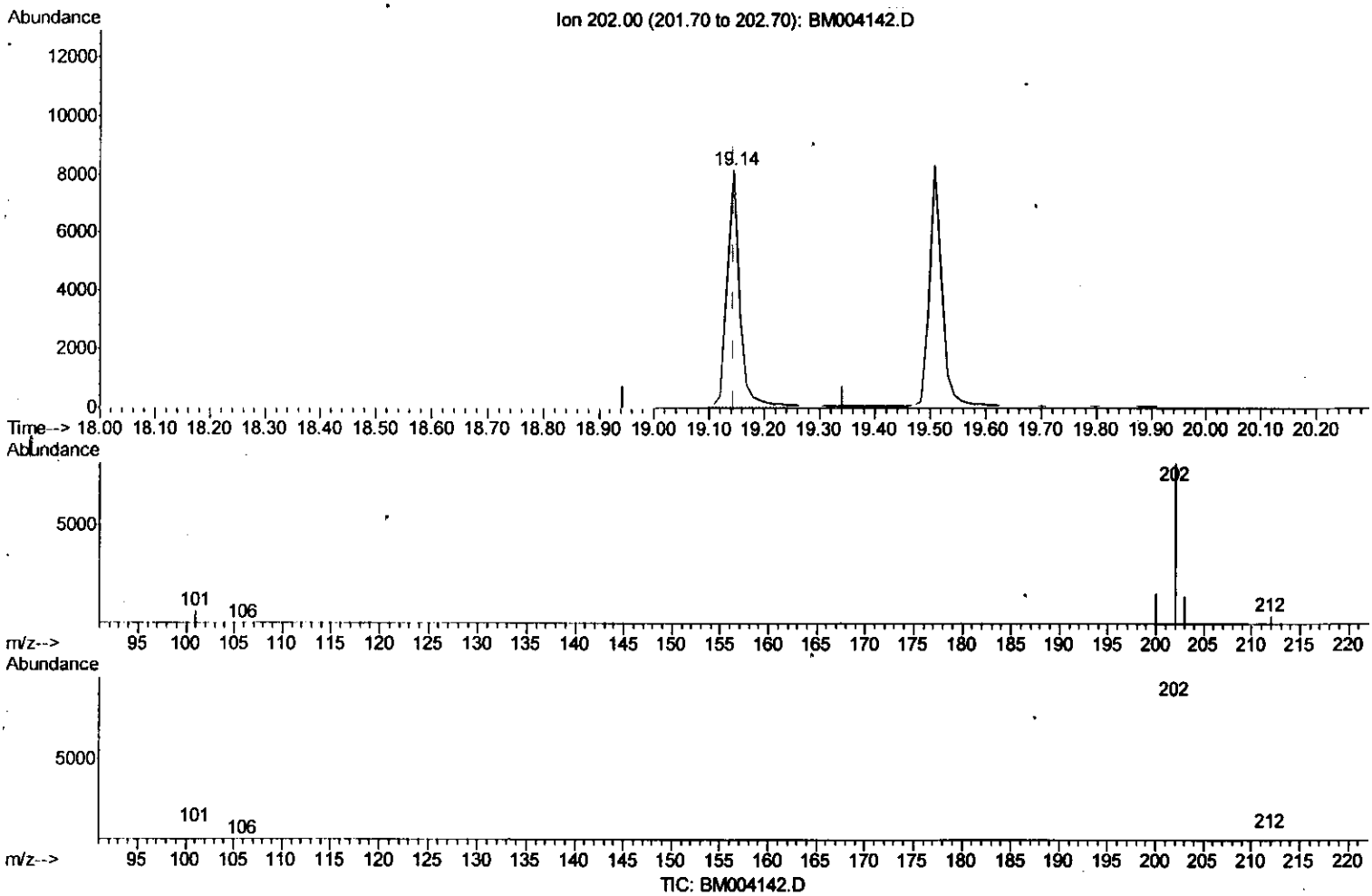
response 13956

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 9.60 | 8.52 |
| 203.00 | 16.30 | 17.95 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012916\
Data File : BM004142.D
Acq On : 29 Jan 2016 11:45
Operator : SJ/IZ
Sample : SSTD0.450
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 29 12:21:16 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 29 12:08:00 2016
Response via : Initial Calibration




(17) Fluoranthene (C)

19.145min (0.000) 0.48ng/ul m

response 12791

S. J 1/30/16

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 9.60 | 8.52 |
| 203.00 | 16.30 | 17.95 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012916\
Data File : BM004142.D
Acq On : 29 Jan 2016 11:45
Operator : SJ/IZ
Sample : SSTD0.450
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 29 12:23:58 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 29 12:08:00 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.68 | 152 | 1217 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.45 | 136 | 5218 | 0.40 | ng/ul | 0.00 |
| 8) Acenaphthene-d10 | 14.31 | 164 | 3413 | 0.40 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.07 | 188 | 9479 | 0.40 | ng/ul | 0.00 |
| 18) Chrysene-d12 | 21.28 | 240 | 10576 | 0.40 | ng/ul | 0.00 |
| 22) Perylene-d12 | 23.51 | 264 | 9954 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 3.12 | 96 | 1225 | 2.35 | ng/uL | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.06 | 152 | 2782 | 0.44 | ng/ul | 0.00 |
| 16) Fluoranthene-d10 | 19.12 | 212 | 9533 | 0.47 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) 1,4-Dioxane | 3.15 | 88 | 1580 | 2.38 | ng/ul# | 20 |
| 5) Naphthalene | 10.50 | 128 | 5132 | 0.44 | ng/ul# | 94 |
| 7) 2-Methylnaphthalene | 12.13 | 142 | 3654 | 0.46 | ng/ul | 97 |
| 9) Acenaphthylene | 14.04 | 152 | 4940 | 0.38 | ng/ul# | 92 |
| 10) Acenaphthene | 14.38 | 153 | 4591 | 0.44 | ng/ul | 95 |
| 11) Fluorene | 15.38 | 166 | 5597 | 0.48 | ng/ul | 86 |
| 13) Pentachlorophenol | 16.75 | 266 | 244 | 0.18 | ng/ul | 94 |
| 14) Phenanthrene | 17.11 | 178 | 10340m | 0.42 | ng/ul | |
| 15) Anthracene | 17.21 | 178 | 8694 | 0.41 | ng/ul | 98 |
| 17) Fluoranthene | 19.14 | 202 | 12791m | 0.48 | ng/ul | |
| 19) Pyrene | 19.51 | 202 | 13269 | 0.46 | ng/ul | 98 |
| 20) Benzo(a)anthracene | 21.26 | 228 | 10982 | 0.43 | ng/ul# | 92 |
| 21) Chrysene | 21.31 | 228 | 13142 | 0.44 | ng/ul | 93 |
| 23) Benzo(b)fluoranthene | 22.85 | 252 | 14103 | 0.42 | ng/ul | 95 |
| 24) Benzo(k)fluoranthene | 22.89 | 252 | 12000 | 0.39 | ng/ul | 99 |
| 25) Benzo(a)pyrene | 23.42 | 252 | 11713 | 0.41 | ng/ul | 97 |
| 26) Indeno(1,2,3-cd)pyrene | 25.77 | 276 | 12881 | 0.39 | ng/ul# | 91 |
| 27) Dibenzo(a,h)anthracene | 25.78 | 278 | 9719 | 0.36 | ng/ul | 98 |
| 28) Benzo(g,h,i)perylene | 26.45 | 276 | 12030 | 0.42 | ng/ul | 99 |

S.J 1/30/16

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