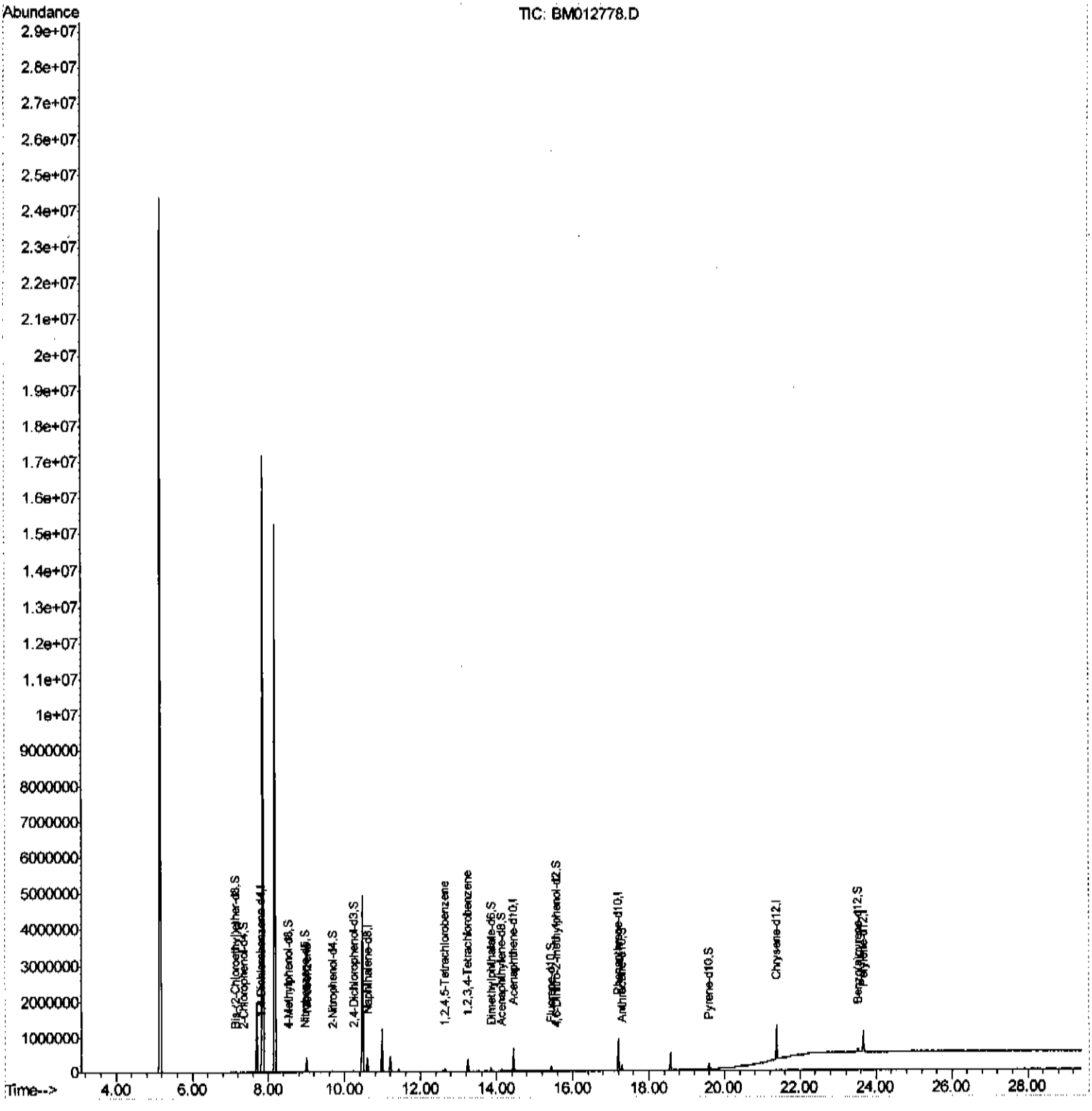
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012778.D
Acq On : 06 Nov 2017 15:35
Operator : SJ/JU
Sample : I6198-01DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 07 05:41:10 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0233DL

**Manual Integrations APPROVED**
Sohil
11/7/2017 5:35:17 PM

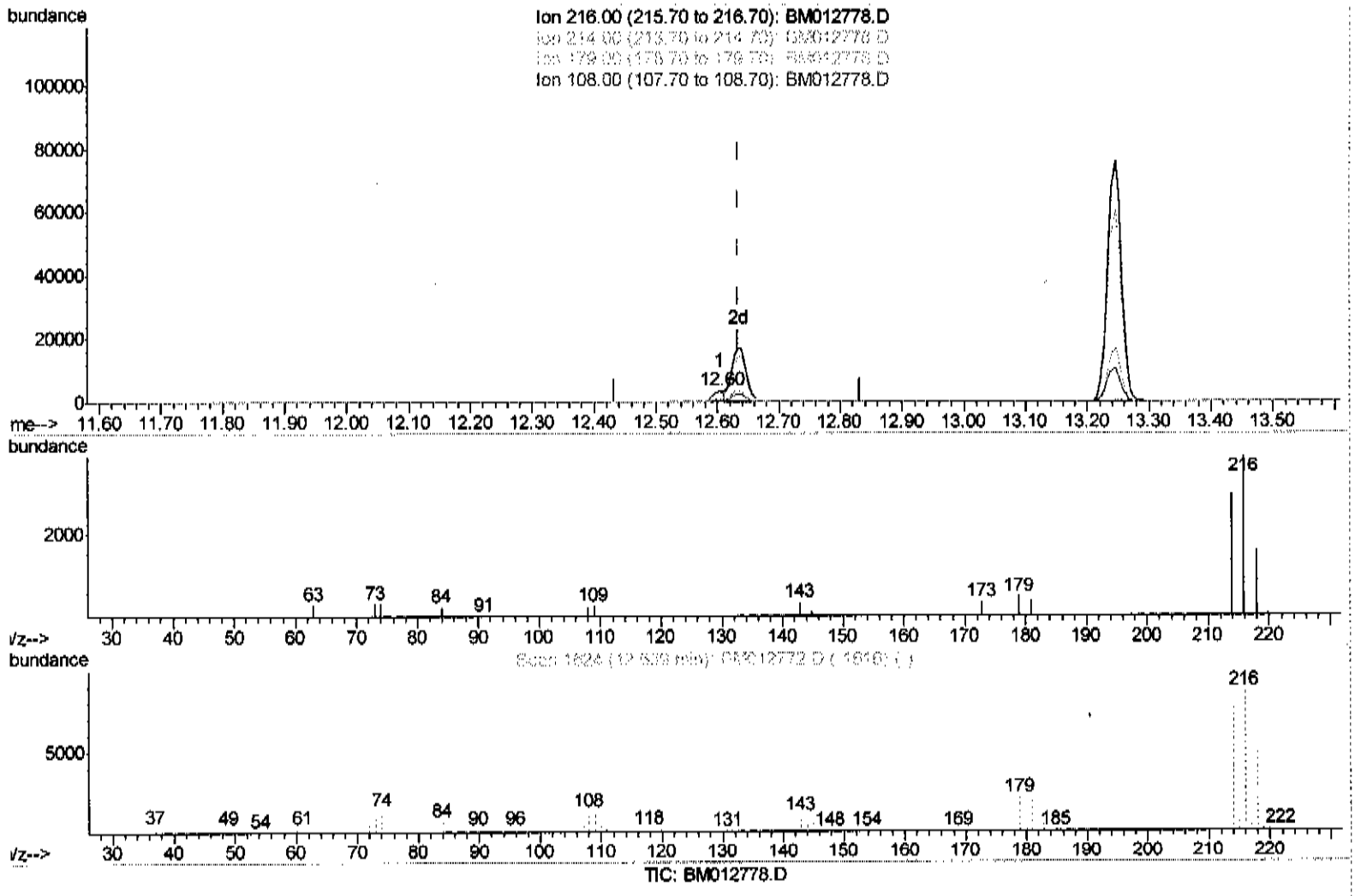


Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012778.D
Acq On : 06 Nov 2017 15:35
Operator : SJ/JU
Sample : I6198-01DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 07 04:08:54 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0233DL

**Manual Integrations APPROVED**
Sohil
11/7/2017 5:35:17 PM




TIC: BM012778.D

(36) 1,2,4,5-Tetrachlorobenzene

12.604min (-0.030) 0.50ng/ul

response 4432

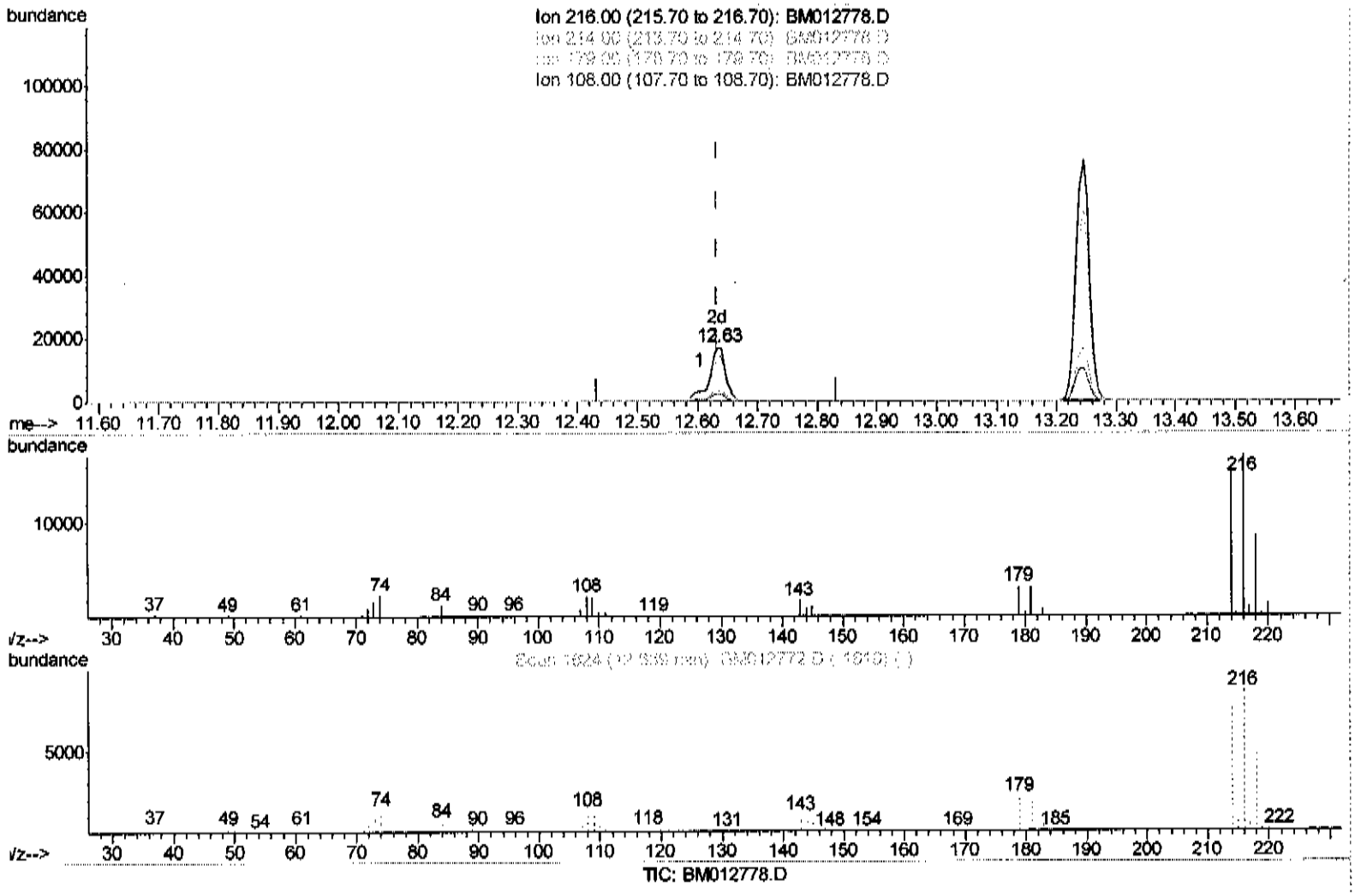
| Ion | Exp% | Act% |
|---|---|---|
| 216.00 | 100 | 100 |
| 214.00 | 78.10 | 78.11 |
| 179.00 | 22.70 | 20.36 |
| 108.00 | 17.70 | 14.50 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012778.D
Acq On : 06 Nov 2017 15:35
Operator : SJ/JU
Sample : I6198-01DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 07 04:08:54 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0233DL

**Manual Integrations APPROVED**
Sohil
11/7/2017 5:35:17 PM




TIC: BM012778.D

(36) 1,2,4,5-Tetrachlorobenzene

12.633min (-0.000) 3.68ng/ul m JU 11/7/17

response 32656

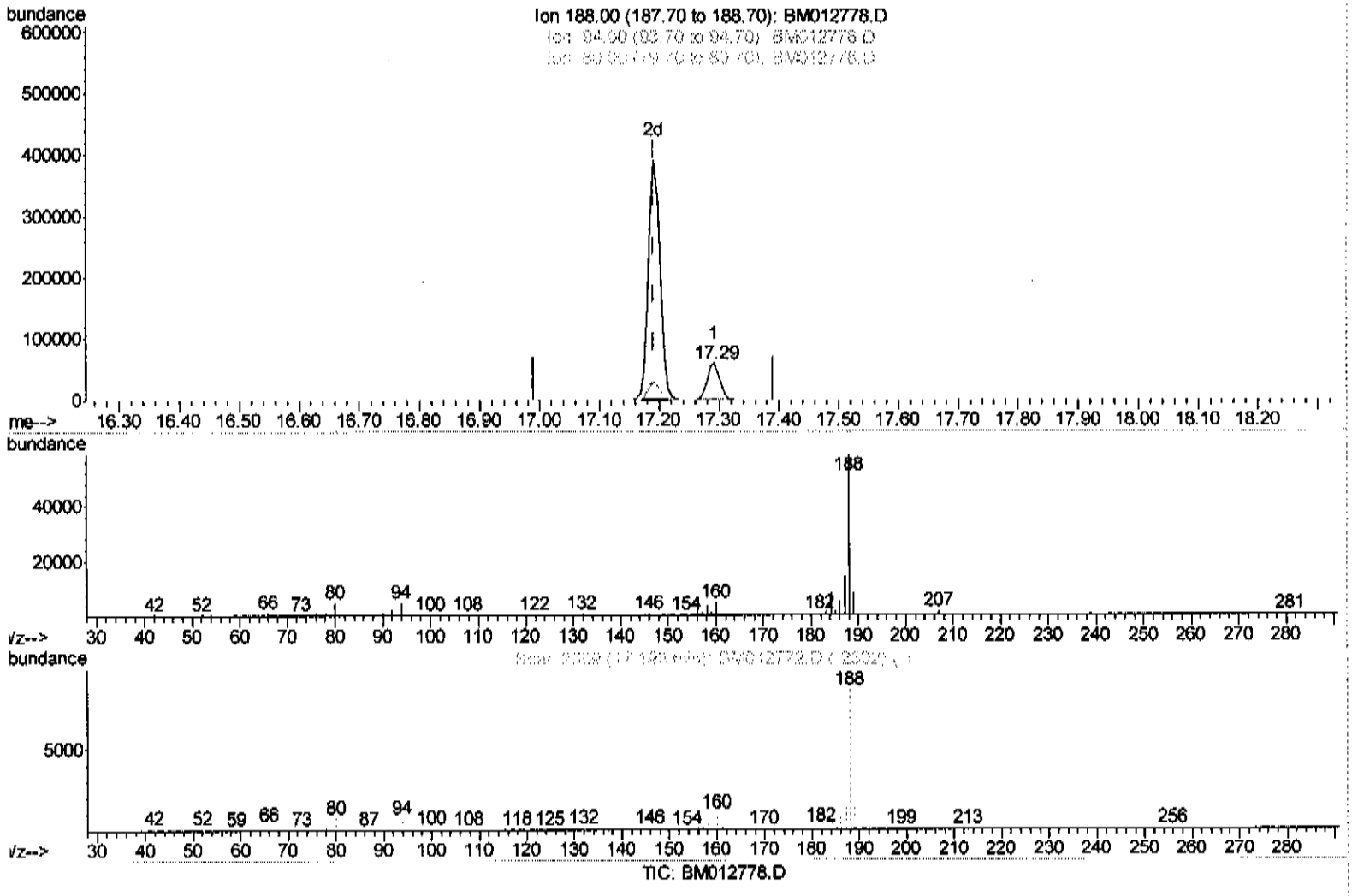
| Ion | Exp% | Act% |
|---|---|---|
| 216.00 | 100 | 100 |
| 214.00 | 78.10 | 89.85 |
| 179.00 | 22.70 | 20.07 |
| 108.00 | 17.70 | 14.21 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012778.D
Acq On : 06 Nov 2017 15:35
Operator : SJ/JU
Sample : I6198-01DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 07 04:08:54 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0233DL

**Manual Integrations APPROVED**
Sohil
11/7/2017 5:35:17 PM




TIC: BM012778.D

(61) Phenanthrene-d10 (I)

17.292min (+0.100) 20.00ng/ul

response 84382

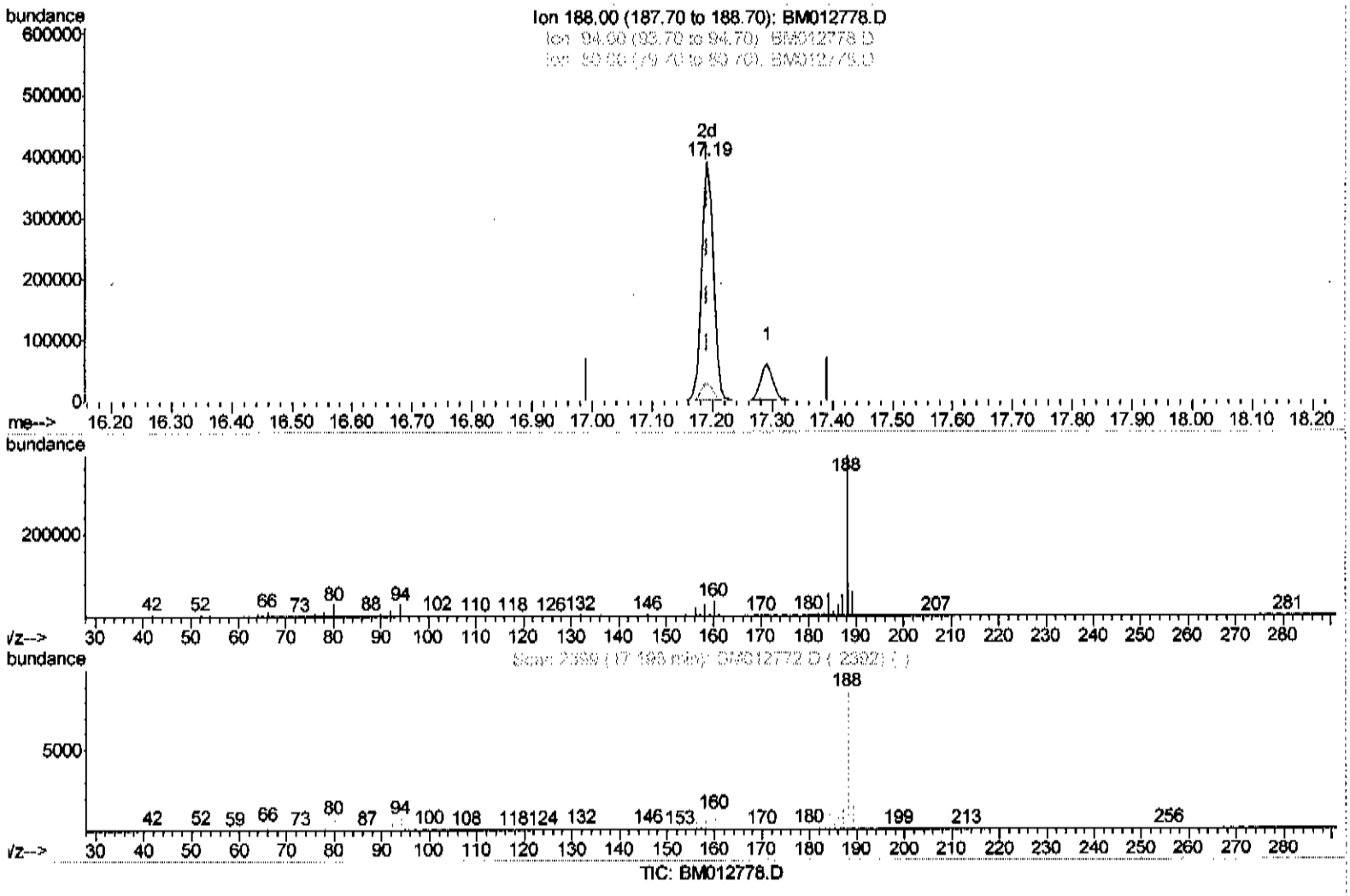
| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 9.00 | 8.32 |
| 80.00 | 9.70 | 8.08 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012778.D
Acq On : 06 Nov 2017 15:35
Operator : SJ/JU
Sample : I6198-01DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 07 04:08:54 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0233DL

**Manual Integrations APPROVED**
Sohil
11/7/2017 5:35:17 PM




(61) Phenanthrene-d10 (I)

17.192min (-0.000) 20.00ng/ul m JU 11/7/17

response 529407

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 9.00 | 7.37 |
| 80.00 | 9.70 | 7.53# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012778.D
Acq On : 06 Nov 2017 15:35
Operator : SJ/JU
Sample : I6198-01DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0233DL

Manual Integrations APPROVED
Sohil
11/7/2017 5:35:17 PM

Quant Time: Nov 07 05:41:10 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.81 | 152 | 85238 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.60 | 136 | 340321 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.44 | 164 | 228933 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.19 | 188 | 529407m | 20.00 | ng/ul | >0.00 JU 11/7/17 |
| 77) Chrysene-d12 | 21.37 | 240 | 476913 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.66 | 264 | 476282 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 0.00 | 96 | 0 | 0.00 | ng/uL | |
| 5) Phenol-d5 | 6.99 | 99 | 4287 | 0.68 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.15 | 67 | 11461 | 3.33 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.35 | 132 | 13393 | 2.54 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.52 | 113 | 8451 | 1.54 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.96 | 128 | 8844 | 3.52 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.69 | 143 | 9802 | 3.41 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.23 | 165 | 17749 | 3.01 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.60 | 131 | 125 | 0.02 | ng/ul | -0.14 |
| 43) Dimethylphthalate-d6 | 13.86 | 166 | 72906 | 3.85 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.14 | 160 | 52570 | 2.24 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.70 | 143 | 1007 | 0.33 | ng/ul | 0.04 |
| 57) Fluorene-d10 | 15.44 | 176 | 60698 | 3.74 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 7387 | 2.11 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.29 | 188 | 84056 | 3.29 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.59 | 212 | 94455 | 4.27 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.51 | 264 | 73266 | 3.25 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 20) Nitrobenzene | 9.01 | 77 | 252177 | 42.61 | ng/ul | 99 |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.63 | 216 | 32656m | 3.68 | ng/ul | > JU 11/7/17 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.24 | 216 | 119513 | 13.81 | ng/uL | 99 |

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