Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

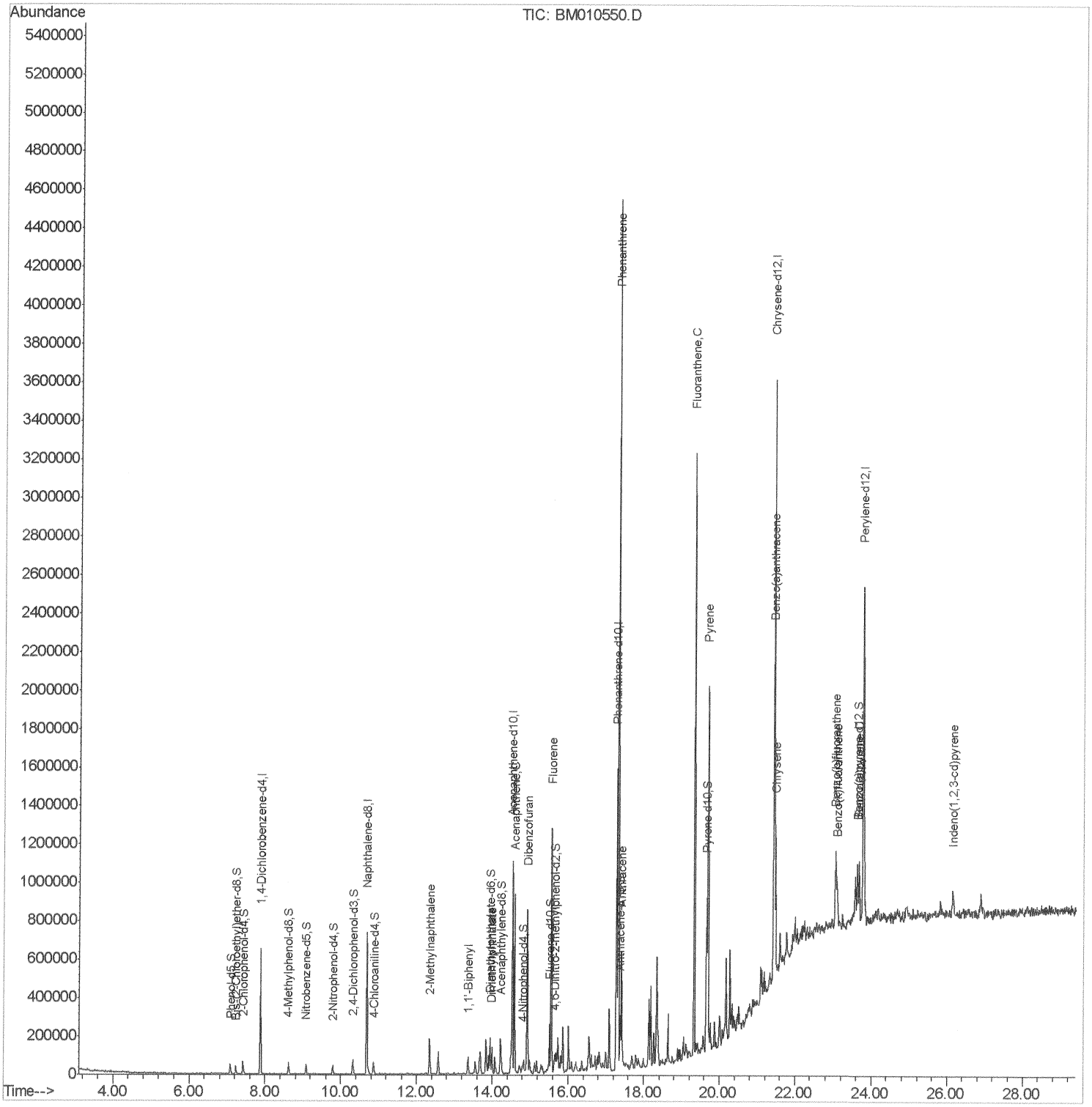
Quantitation Report (QT Reviewed)

Data File : BM010550.D
Acq On : 13 Jun 2017 00:09
Operator : SJ/MA
Sample : I3522-19DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 13 04:13:50 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

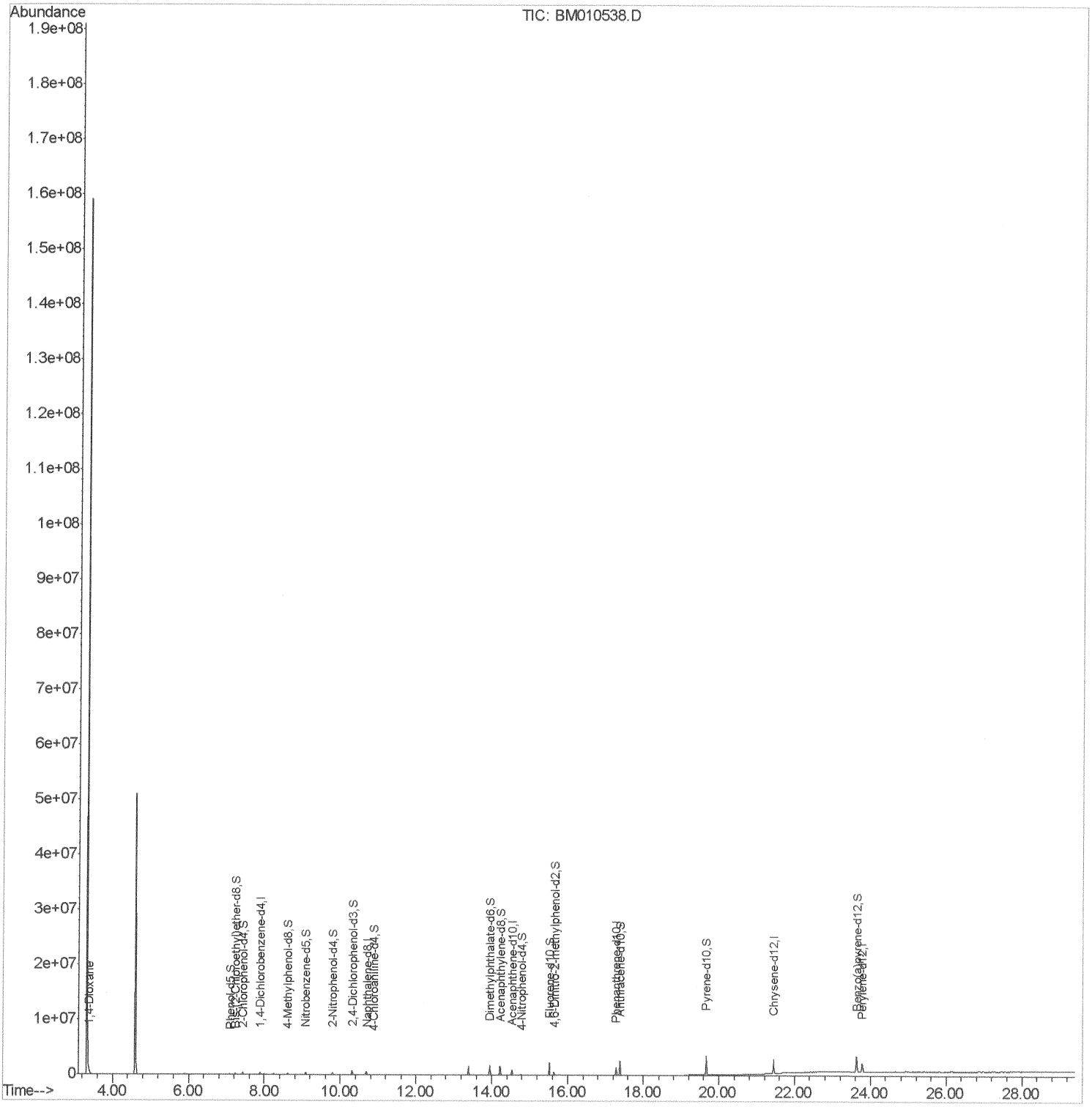
Quantitation Report (QT Reviewed)

Data File : BM010538.D
Acq On : 12 Jun 2017 16:55
Operator : SJ/MA
Sample : I3493-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 13 03:25:46 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 02:16:10 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

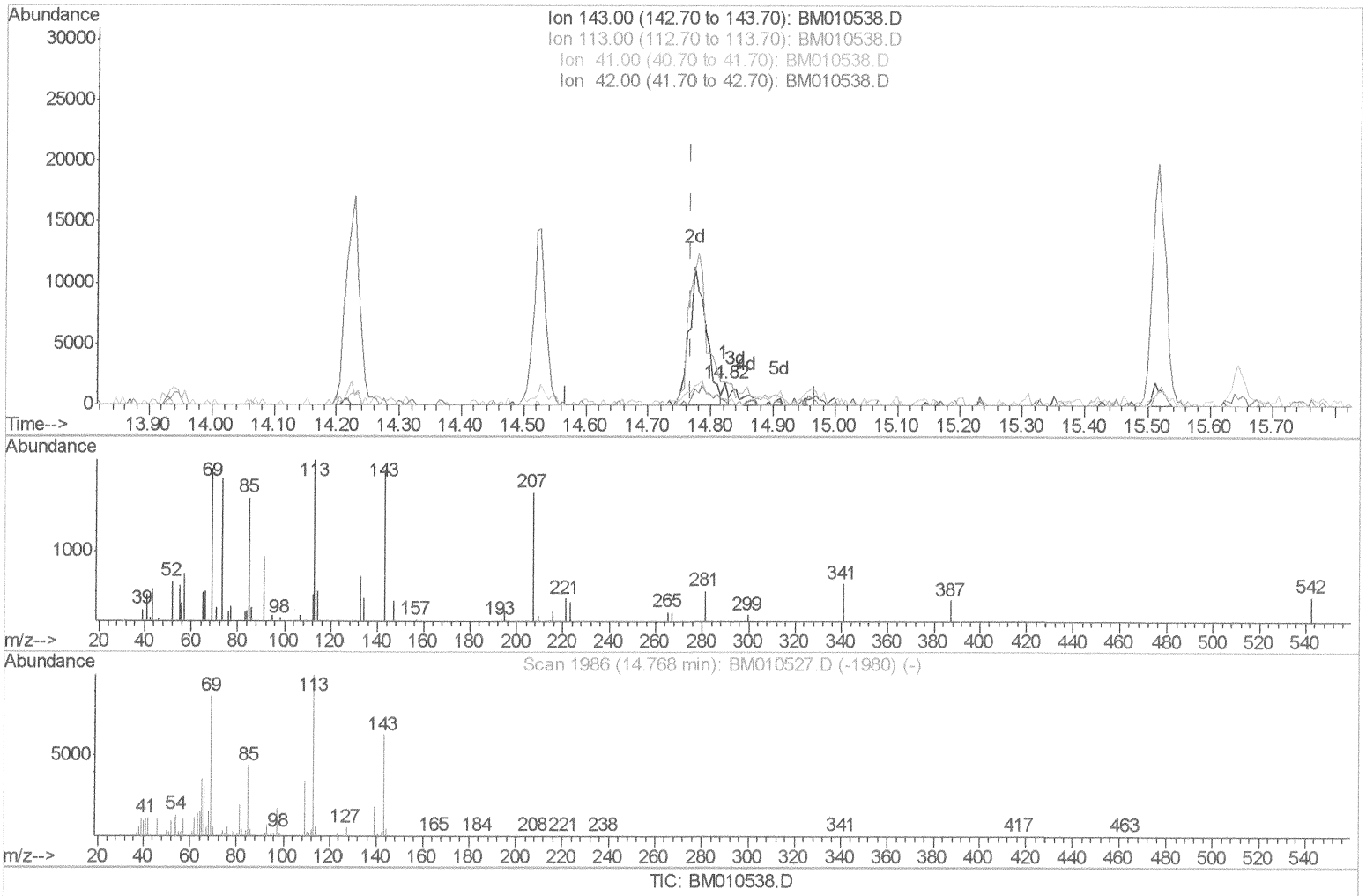
Quantitation Report (Qedit)

Data File : BM010538.D
Acq On : 12 Jun 2017 16:55
Operator : SJ/MA
Sample : I3493-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 13 02:17:56 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 02:16:10 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM










TIC: BM010538.D

(51) 4-Nitrophenol-d4 (S)

14.822min (+0.053) 0.24ng/ul

response 846

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 114.60 | 106.37 |
| 41.00 | 34.80 | 31.60 |
| 42.00 | 20.50 | 18.74 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

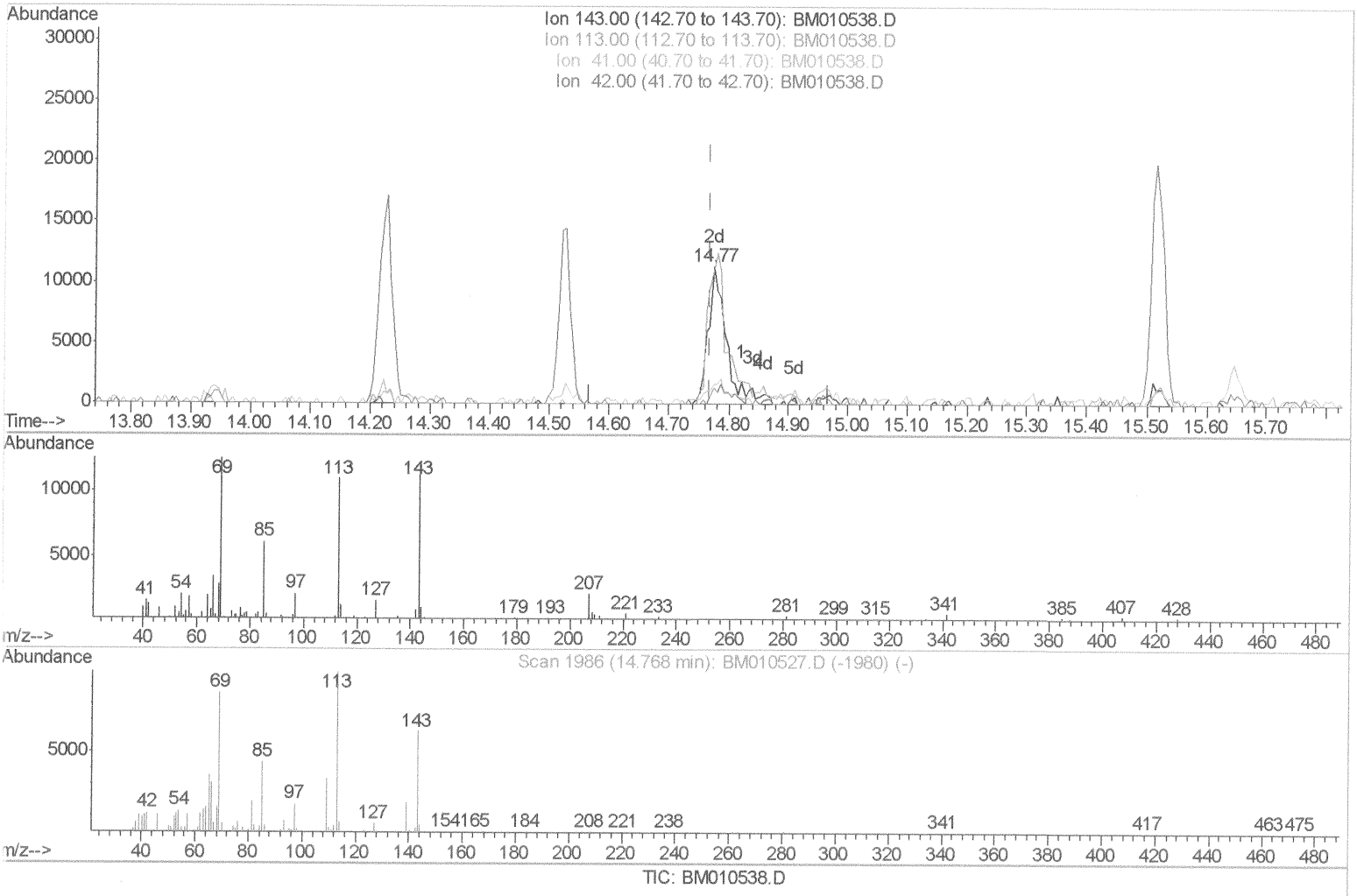
Quantitation Report (Qedit)

Data File : BM010538.D
Acq On : 12 Jun 2017 16:55
Operator : SJ/MA
Sample : I3493-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 13 02:17:56 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 02:16:10 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM










TIC: BM010538.D

(51) 4-Nitrophenol-d4 (S)

14.774min (+0.006) 6.23ng/ul m SJ 06/20/17

response 22266

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 114.60 | 97.84 |
| 41.00 | 34.80 | 14.37# |
| 42.00 | 20.50 | 12.25# |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (QT Reviewed)

Data File : BM010538.D
Acq On : 12 Jun 2017 16:55
Operator : SJ/MA
Sample : I3493-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 13 03:25:46 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 02:16:10 2017
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.89 | 152 | 112979 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.69 | 136 | 398592 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.53 | 164 | 287617 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.27 | 188 | 747599 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.44 | 240 | 1067911 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.77 | 264 | 1138420 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 0.00 | 96 | 0d | 0.00 | ng/uL | |
| 5) Phenol-d5 | 7.07 | 99 | 49083 | 5.73 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.23 | 67 | 132637 | 27.57 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.43 | 132 | 179714 | 26.34 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.61 | 113 | 103053 | 14.92 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.07 | 128 | 101980 | 34.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.79 | 143 | 122362 | 36.18 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.32 | 165 | 254263 | 36.59 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.86 | 131 | 15935 | 2.38 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.94 | 166 | 937630 | 39.24 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.22 | 160 | 997084 | 35.77 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.77 | 143 | 22266m | 6.23 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.52 | 176 | 805998 | 38.37 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.64 | 200 | 155022 | 29.27 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.37 | 188 | 1385461 | 38.09 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.66 | 212 | 1715325 | 38.84 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.63 | 264 | 1906986 | 35.98 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.39 | 88 | 196208 | 66.85 | ng/uL# | 52 |

SJ 6/26/17

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

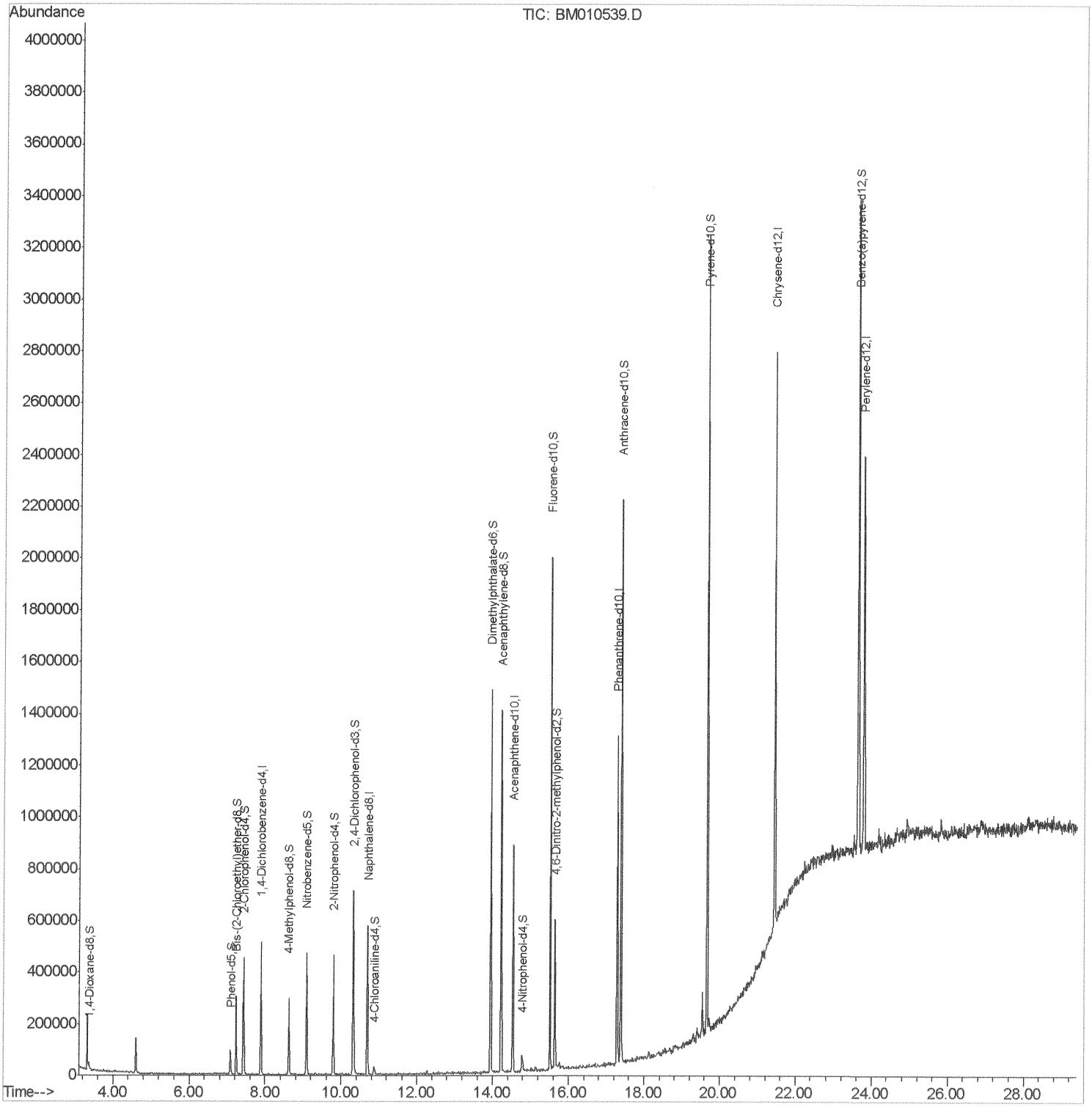
Quantitation Report (QT Reviewed)

Data File : BM010539.D
Acq On : 12 Jun 2017 17:31
Operator : SJ/MA
Sample : I3493-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM

Quant Time: Jun 13 03:28:54 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 02:16:10 2017
Response via : Initial Calibration



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

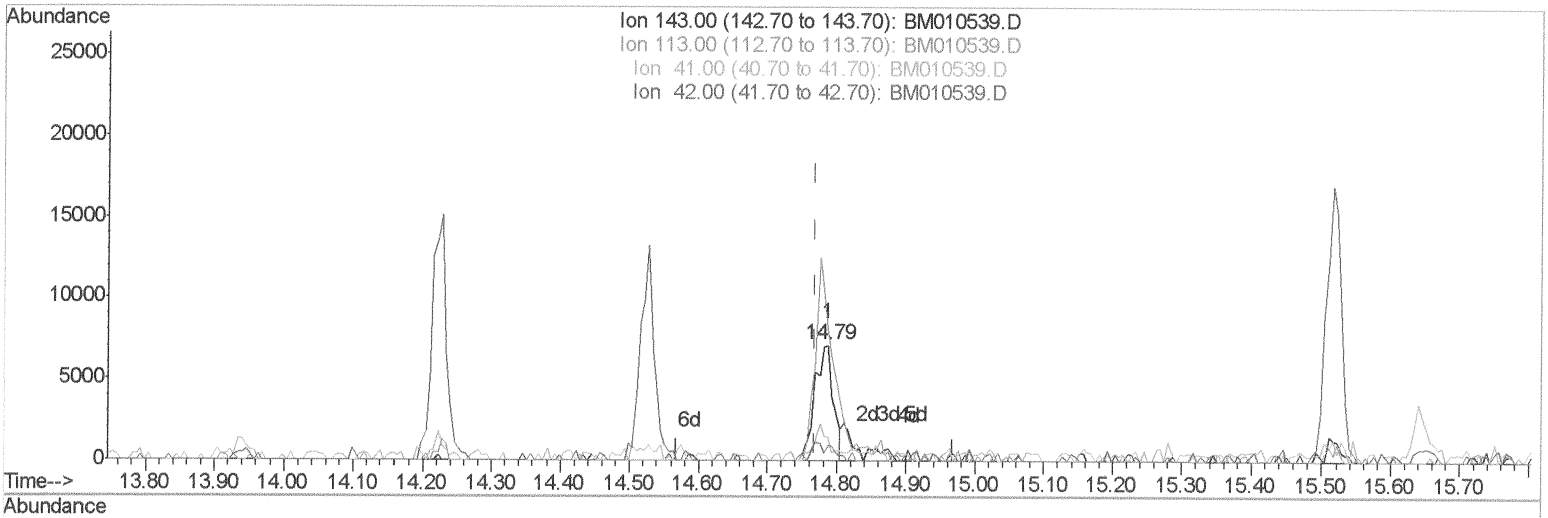
Quantitation Report (Qedit)

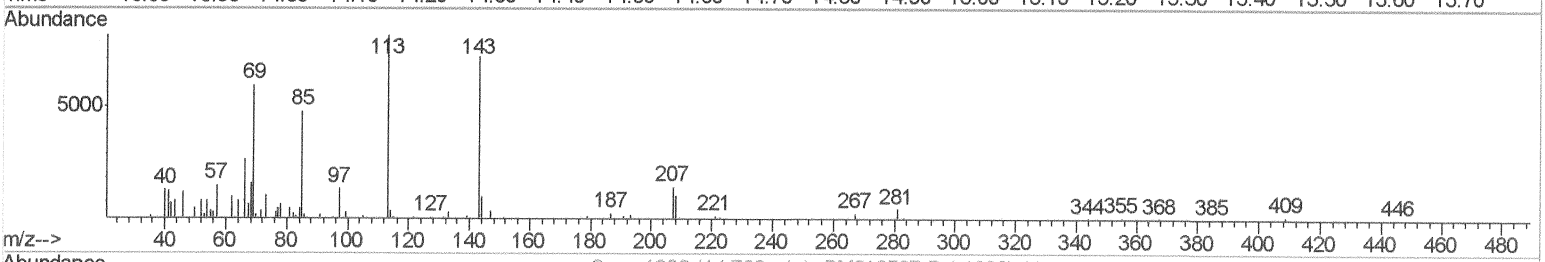
Data File : BM010539.D
Acq On : 12 Jun 2017 17:31
Operator : SJ/MA
Sample : I3493-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

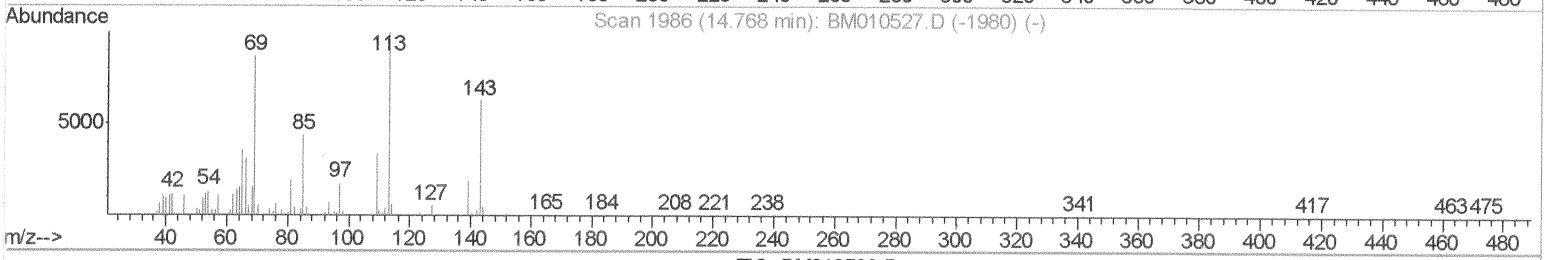
Quant Time: Jun 13 02:18:05 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 02:16:10 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010539.D

(51) 4-Nitrophenol-d4 (S)

14.786min (+0.018) 4.10ng/ul

response 13220

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 114.60 | 112.24 |
| 41.00 | 34.80 | 20.36# |
| 42.00 | 20.50 | 13.23# |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

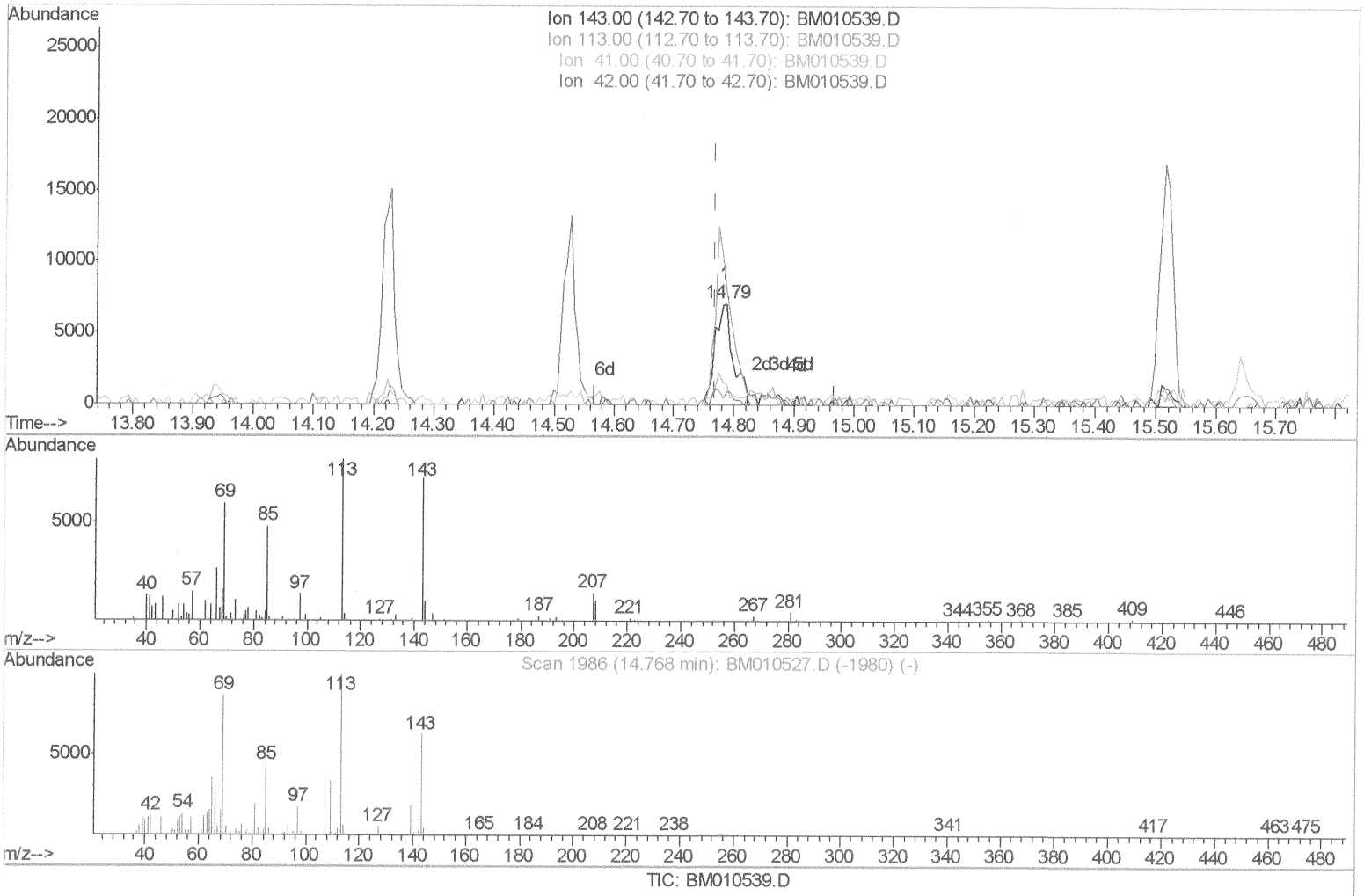
Quantitation Report (Qedit)

Data File : BM010539.D
Acq On : 12 Jun 2017 17:31
Operator : SJ/MA
Sample : I3493-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 13 02:18:05 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 02:16:10 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010539.D

(51) 4-Nitrophenol-d4 (S)

14.786min (+0.018) 4.67ng/ul m SJ 06/26/17

response 15043

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 114.60 | 112.24 |
| 41.00 | 34.80 | 20.36# |
| 42.00 | 20.50 | 13.23# |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

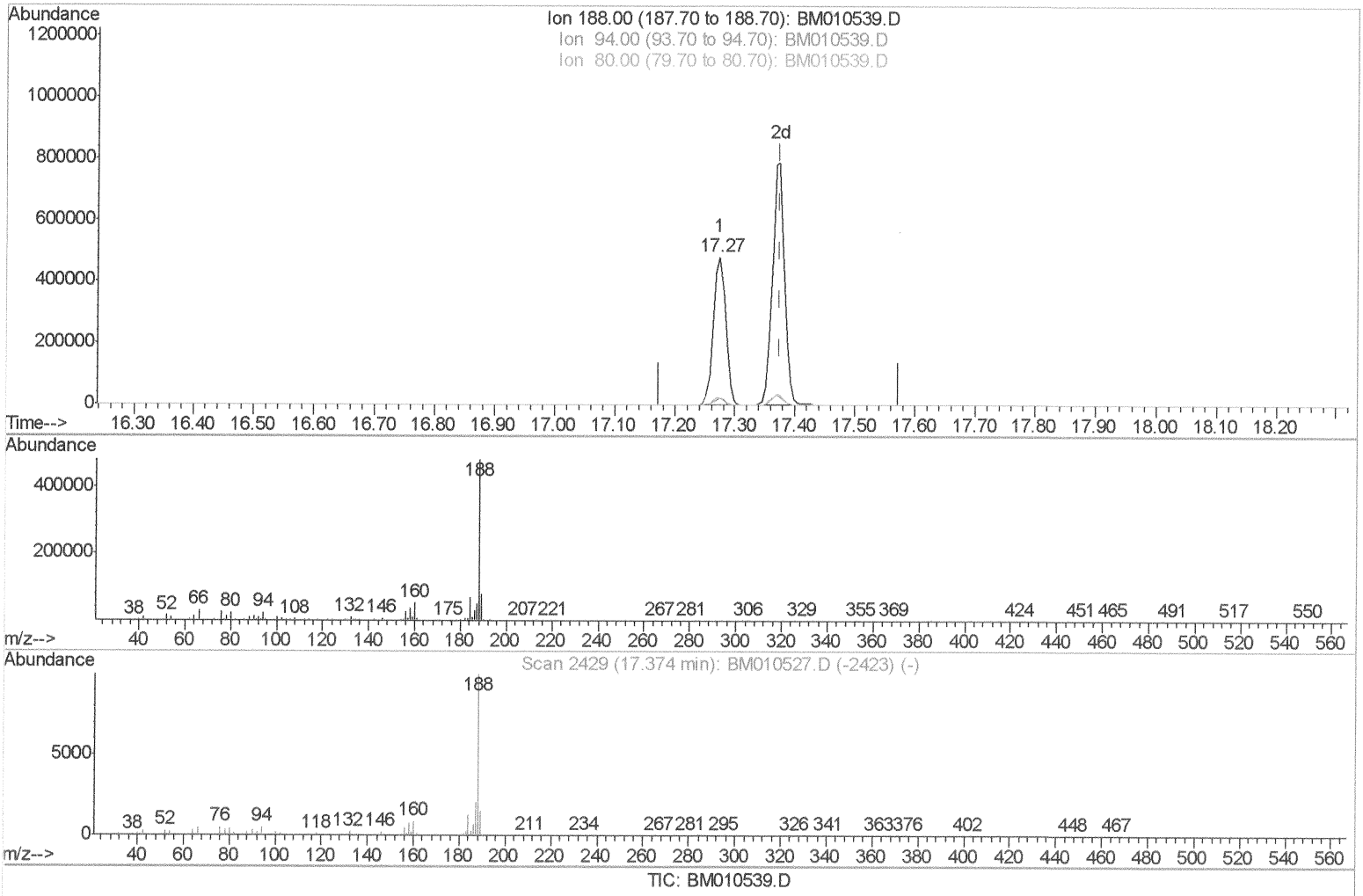
Quantitation Report (Qedit)

Data File : BM010539.D
Acq On : 12 Jun 2017 17:31
Operator : SJ/MA
Sample : I3493-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 13 02:18:05 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 02:16:10 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010539.D

(70) Anthracene-d10 (S)

17.274min (-0.100) 20.55ng/ul

response 674725

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 5.70 | 4.99 |
| 80.00 | 5.90 | 5.02 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

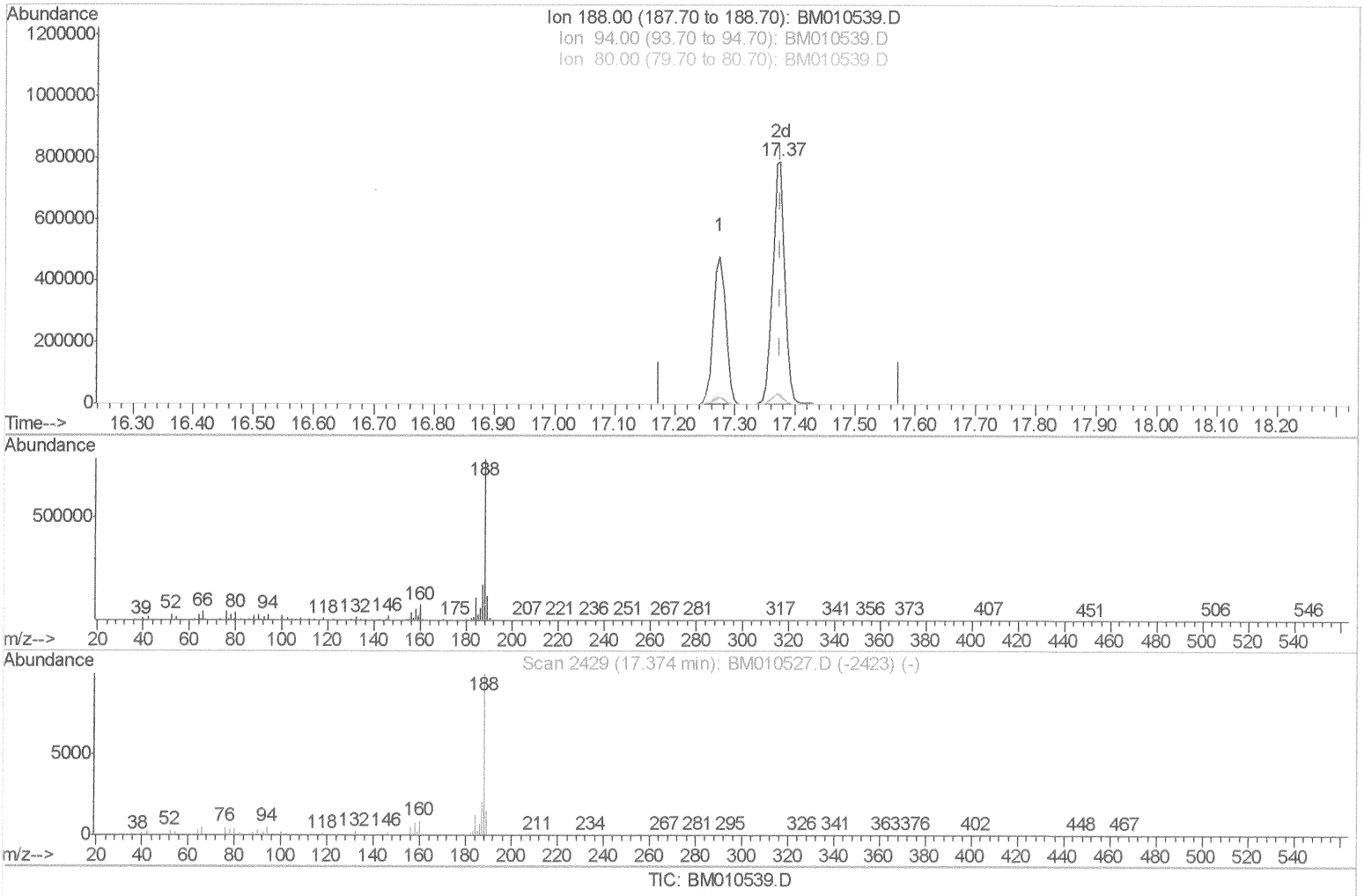
Quantitation Report (Qedit)

Data File : BM010539.D
Acq On : 12 Jun 2017 17:31
Operator : SJ/MA
Sample : I3493-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 13 02:18:05 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 02:16:10 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010539.D

(70) Anthracene-d10 (S)

17.374min (+0.000) 34.04ng/ul m SJ 6/26/17

response 1117468

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 5.70 | 3.77# |
| 80.00 | 5.90 | 4.55# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (QT Reviewed)

Data File : BM010539.D
Acq On : 12 Jun 2017 17:31
Operator : SJ/MA
Sample : I3493-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 13 03:28:54 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 02:16:10 2017
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.89 | 152 | 109274 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.69 | 136 | 376259 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.53 | 164 | 259213 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.27 | 188 | 674725 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.44 | 240 | 1017317 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.77 | 264 | 1045290 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.36 | 96 | 11834 | 4.44 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.08 | 99 | 41364 | 5.00 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.23 | 67 | 111085 | 23.87 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.42 | 132 | 148580 | 22.51 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.61 | 113 | 82395 | 12.33 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.07 | 128 | 83022 | 30.12 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.78 | 143 | 100951 | 31.62 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.32 | 165 | 215878 | 32.91 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.86 | 131 | 11447 | 1.81 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.94 | 166 | 782195 | 36.32 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.23 | 160 | 834818 | 33.23 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.79 | 143 | 15043m | 4.67 | ng/ul | 0.02 |
| 57) Fluorene-d10 | 15.52 | 176 | 675959 | 35.71 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.64 | 200 | 133992 | 28.04 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.37 | 188 | 1117468m | 34.04 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.66 | 212 | 1460513 | 34.72 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.63 | 264 | 1613476 | 33.15 | ng/ul | 0.00 |

SJ 06/26/17

SJ 06/26/17

| Target Compounds | Qvalue |
|---|---|

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

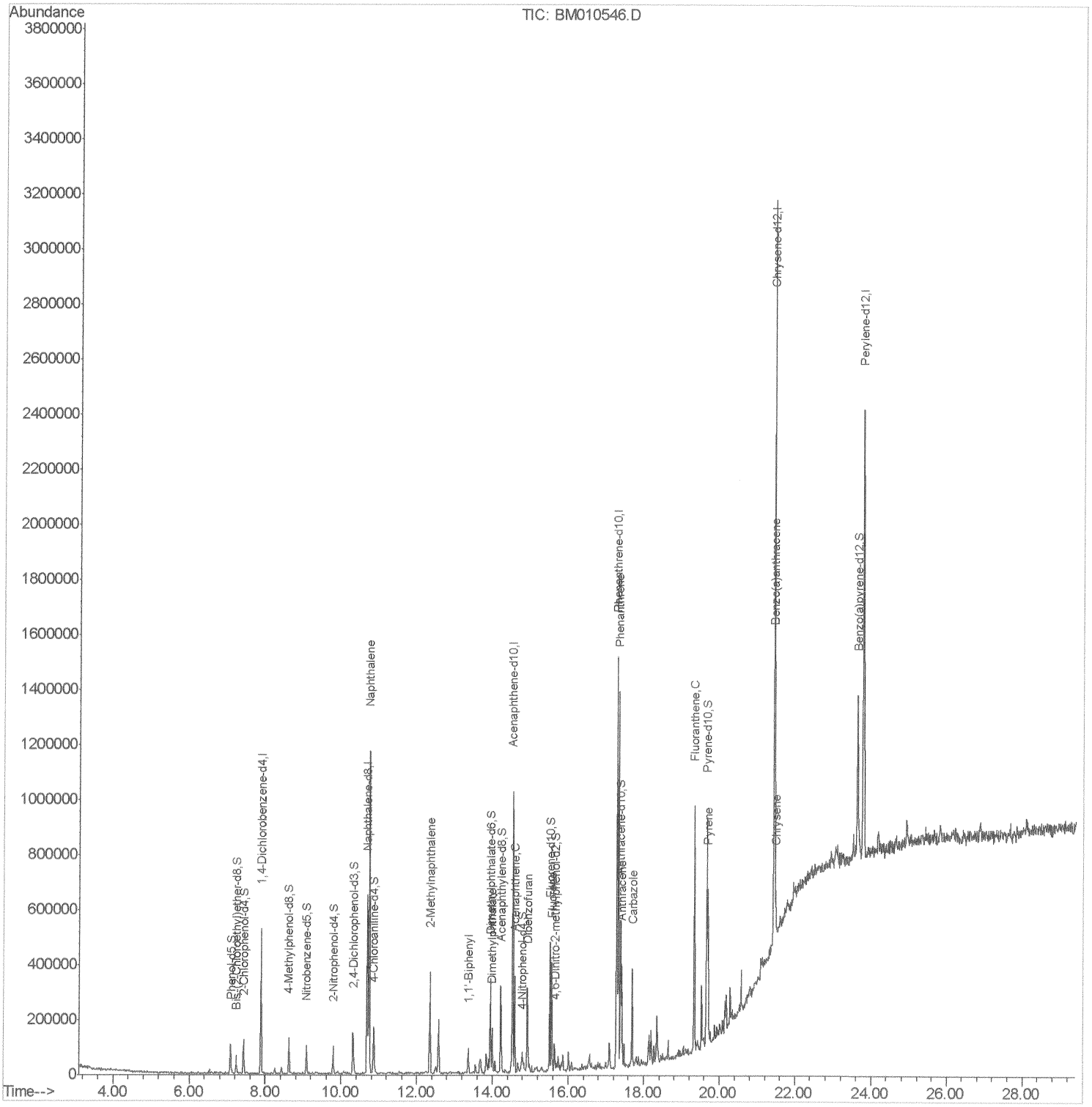
Quantitation Report (QT Reviewed)

Data File : BM010546.D
Acq On : 12 Jun 2017 21:45
Operator : SJ/MA
Sample : I3558-16DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 13 03:56:05 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

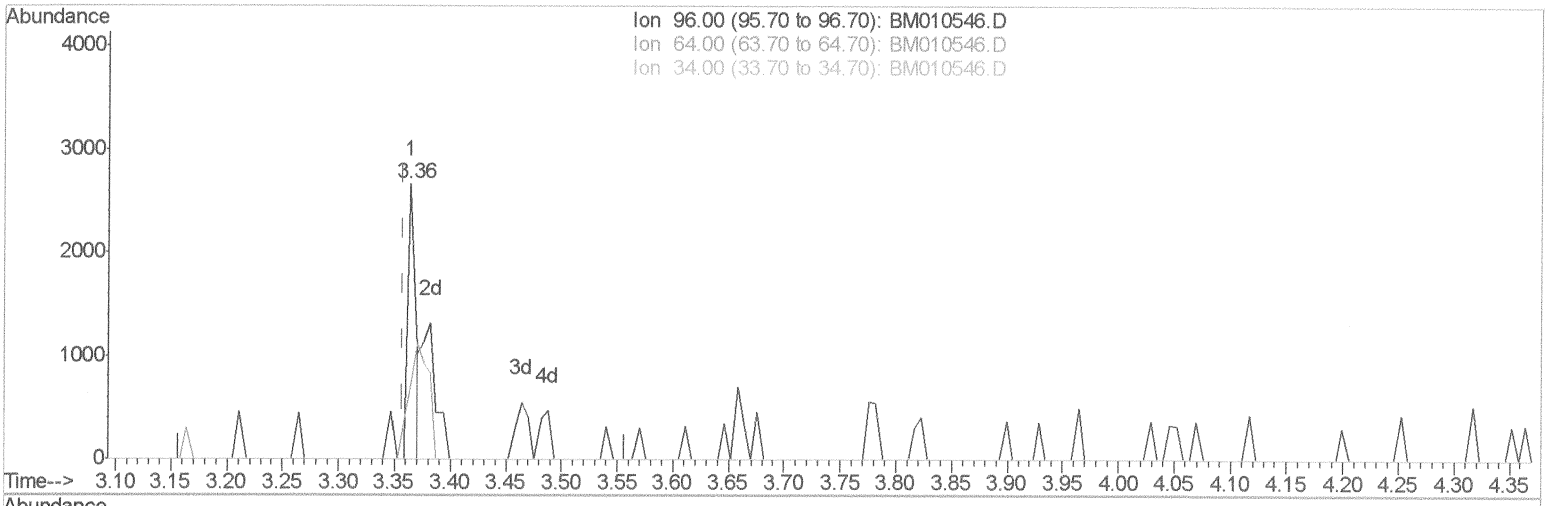
Quantitation Report (Qedit)

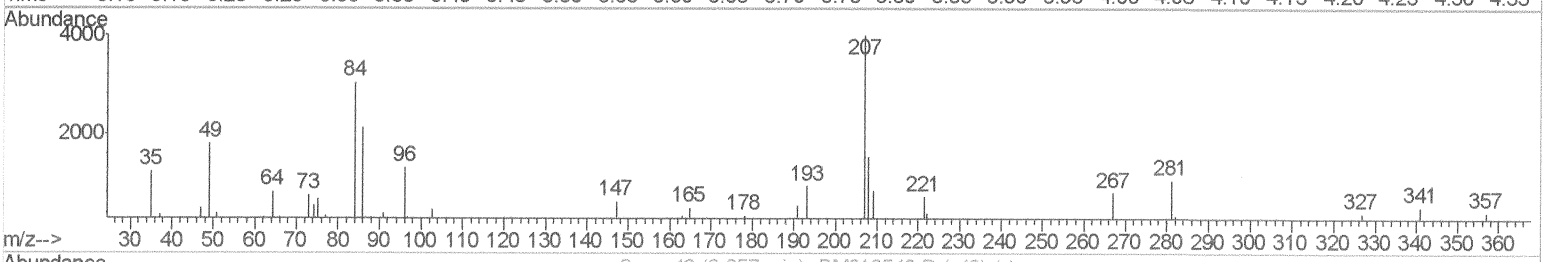
Data File : BM010546.D
Acq On : 12 Jun 2017 21:45
Operator : SJ/MA
Sample : I3558-16DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

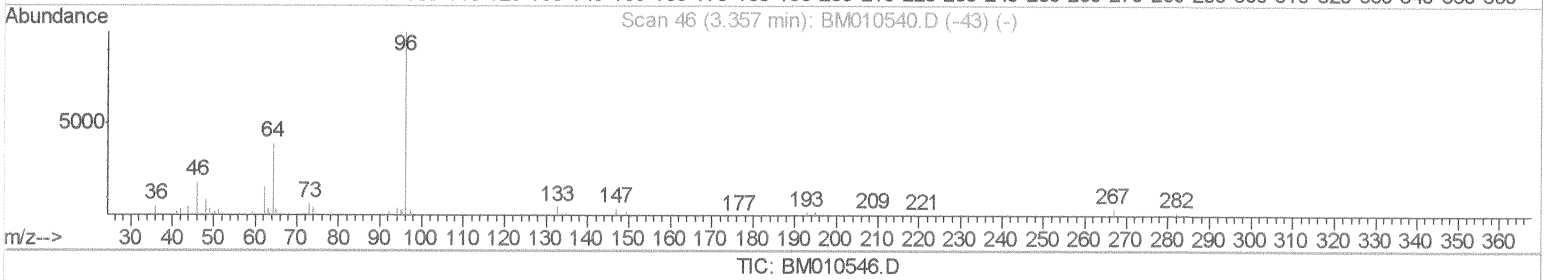
Quant Time: Jun 13 03:34:39 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010546.D

(3) 1,4-Dioxane-d8 (S)

3.364min (+0.006) 0.49ng/uL

response 1304

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 64.00 | 74.90 | 107.36# |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

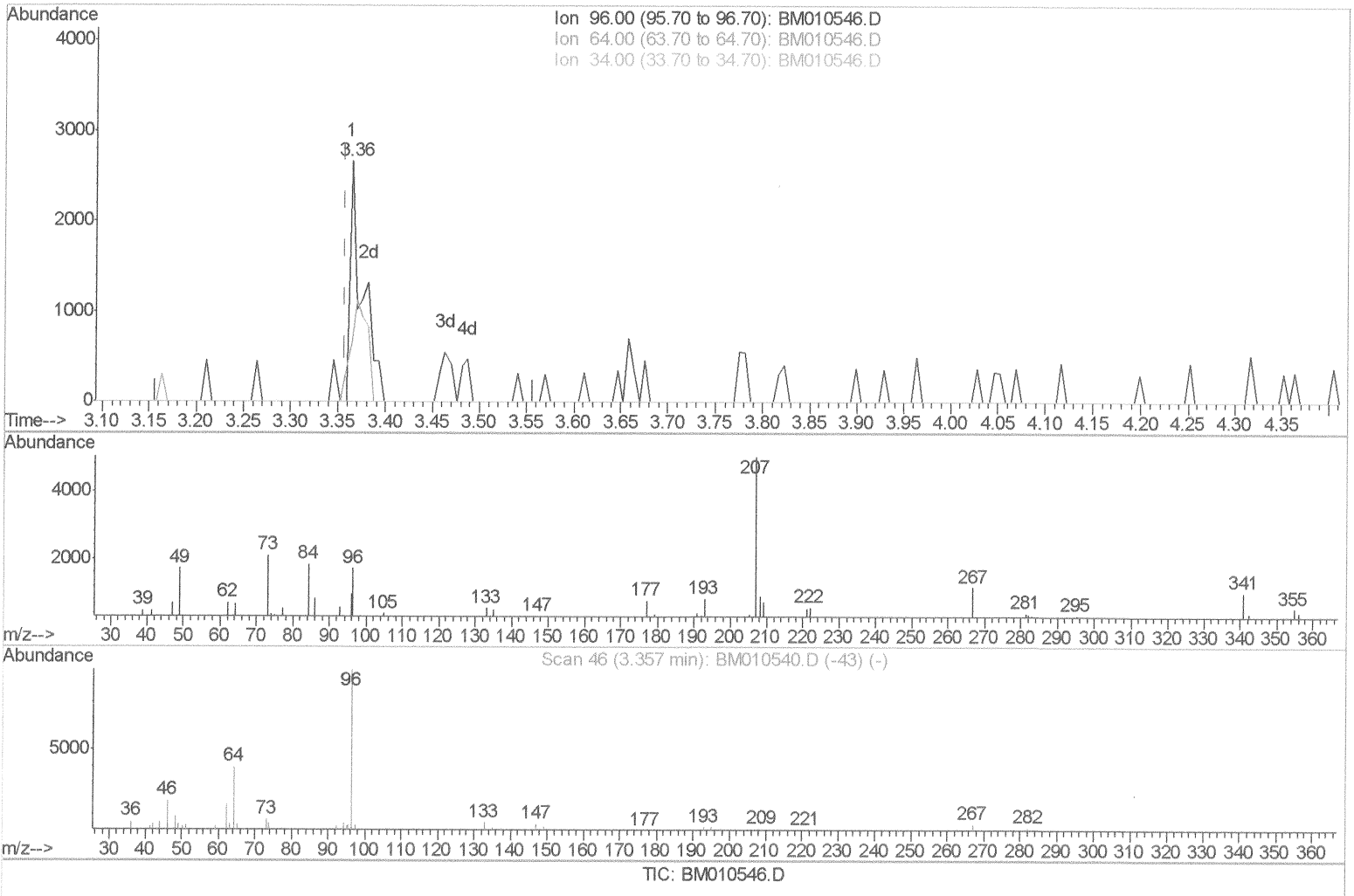
Quantitation Report (Qedit)

Data File : BM010546.D
Acq On : 12 Jun 2017 21:45
Operator : SJ/MA
Sample : I3558-16DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 13 03:34:39 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010546.D

(3) 1,4-Dioxane-d8 (S)

3.364min (+0.006) 1.00ng/uL m SJ 06/26/17

response 2648

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 64.00 | 74.90 | 52.87# |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

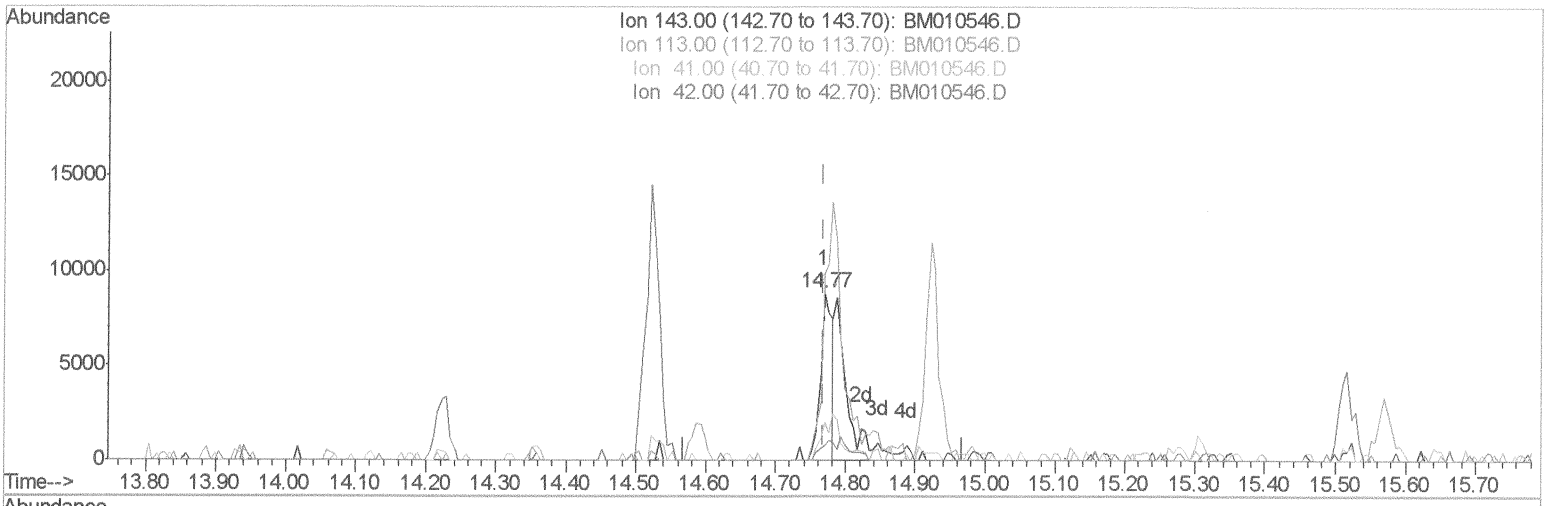
Quantitation Report (Qedit)

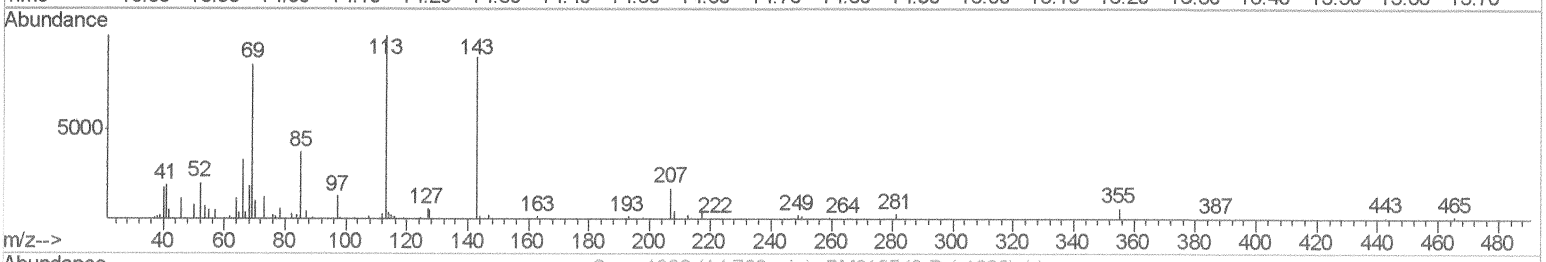
Data File : BM010546.D
Acq On : 12 Jun 2017 21:45
Operator : SJ/MA
Sample : I3558-16DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

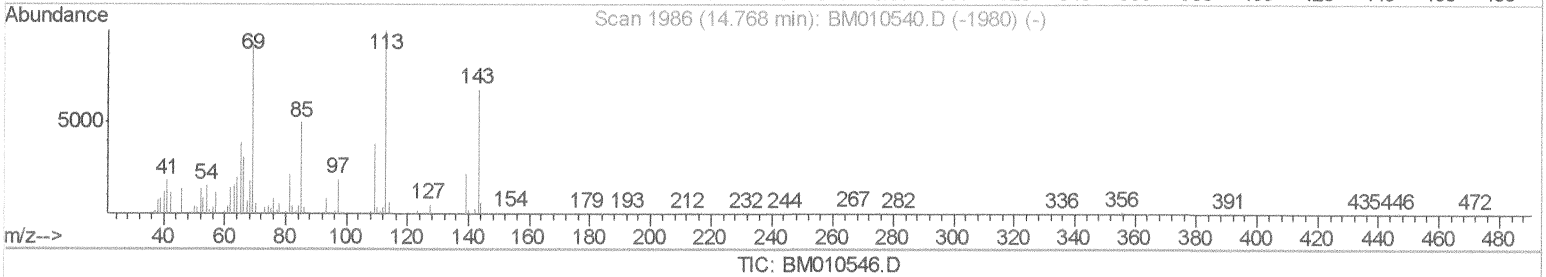
Quant Time: Jun 13 03:34:39 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010546.D

(51) 4-Nitrophenol-d4 (S)

14.769min (+0.000) 3.05ng/ul

response 10802

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 114.60 | 112.39 |
| 41.00 | 34.80 | 23.54# |
| 42.00 | 20.50 | 8.72# |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

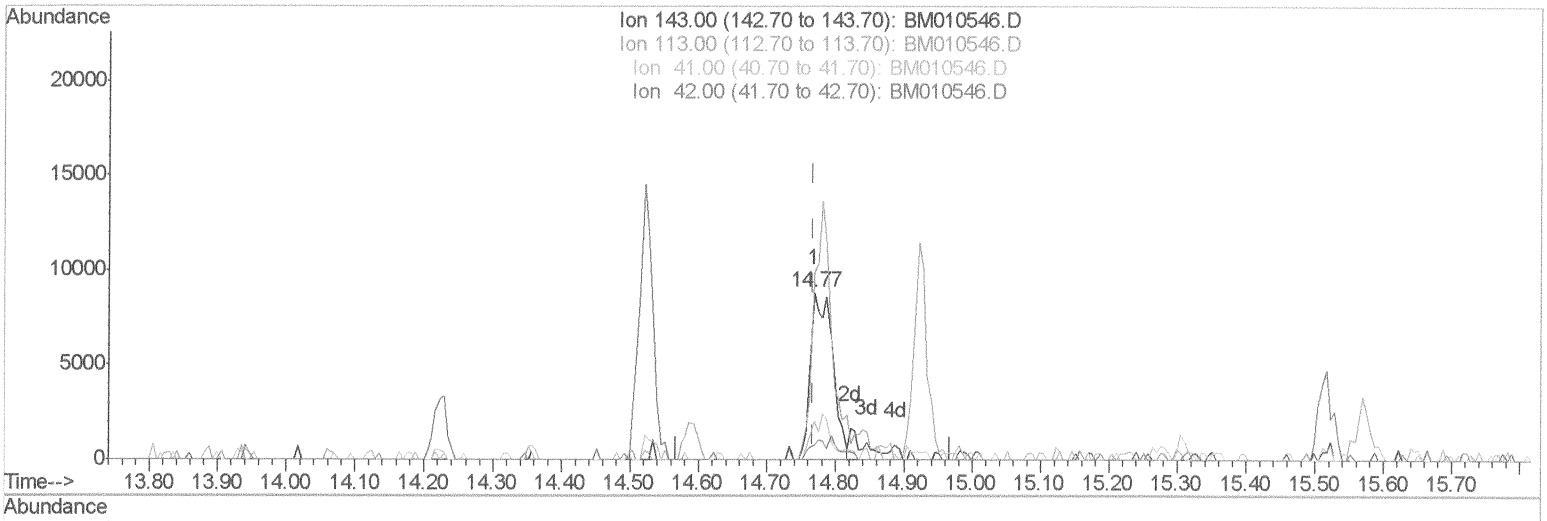
Quantitation Report (Qedit)

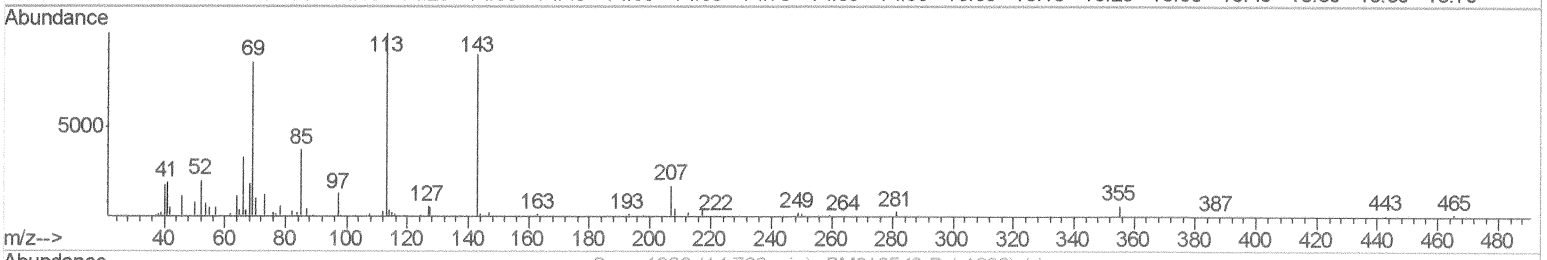
Data File : BM010546.D
Acq On : 12 Jun 2017 21:45
Operator : SJ/MA
Sample : I3558-16DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

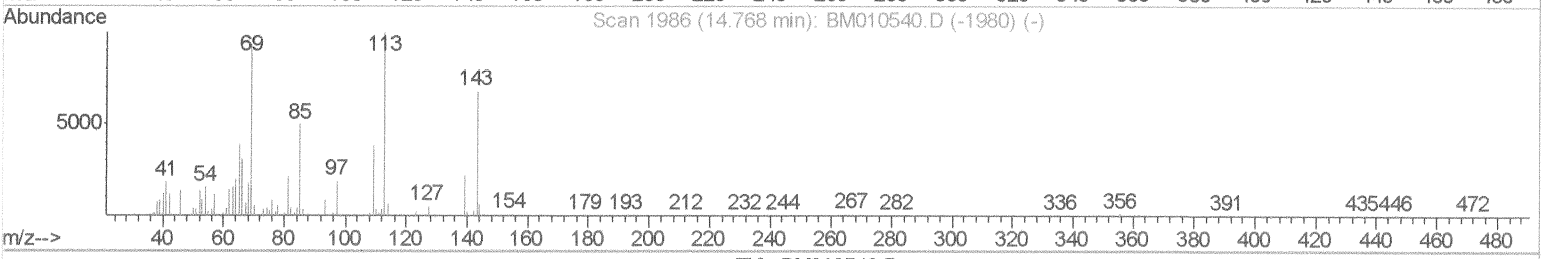
Quant Time: Jun 13 03:34:39 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010546.D

(51) 4-Nitrophenol-d4 (S)

14.769min (+0.000) 5.43ng/ul m

SJ 6/26/17

response 19272

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 114.60 | 112.39 |
| 41.00 | 34.80 | 23.54# |
| 42.00 | 20.50 | 8.72# |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (QT Reviewed)

Data File : BM010546.D
Acq On : 12 Jun 2017 21:45
Operator : SJ/MA
Sample : I3558-16DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM

Quant Time: Jun 13 03:56:05 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.89 | 152 | 109126 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.69 | 136 | 408402 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.52 | 164 | 285311 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.27 | 188 | 777202 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.44 | 240 | 1158279 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.77 | 264 | 1209084 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.36 | 96 | 2648m) | 1.00 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.07 | 99 | 47185 | 5.71 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.23 | 67 | 28434 | 6.12 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.42 | 132 | 39804 | 6.04 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.61 | 113 | 39833 | 5.97 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.08 | 128 | 16936 | 5.66 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.79 | 143 | 22962 | 6.63 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.32 | 165 | 49010 | 6.88 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.86 | 131 | 47073 | 6.85 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.94 | 166 | 178604 | 7.53 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.22 | 160 | 179248 | 6.48 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.77 | 143 | 19272m) | 5.43 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.52 | 176 | 154803 | 7.43 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.65 | 200 | 23887 | 4.34 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.37 | 188 | 268152 | 7.09 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.66 | 212 | 346059 | 7.23 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.62 | 264 | 389149 | 6.91 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 28) Naphthalene | 10.74 | 128 | 725180 | 35.40 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.35 | 142 | 145213 | 9.35 | ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.36 | 154 | 42132 | 1.82 | ng/ul# | 94 |
| 44) Dimethylphthalate | 13.99 | 163 | 78644 | 3.37 | ng/ul# | 98 |
| 49) Acenaphthene | 14.59 | 153 | 119823 | 6.32 | ng/ul | 97 |
| 53) Dibenzofuran | 14.92 | 168 | 158083 | 5.64 | ng/ul | 98 |
| 58) Fluorene | 15.57 | 166 | 153457 | 6.68 | ng/ul | 96 |
| 69) Phenanthrene | 17.32 | 178 | 723470 | 17.44 | ng/ul | 99 |
| 71) Anthracene | 17.40 | 178 | 200113 | 4.62 | ng/ul | 97 |
| 72) Carbazole | 17.69 | 167 | 183737 | 5.01 | ng/ul | 98 |
| 74) Fluoranthene | 19.32 | 202 | 490227 | 9.61 | ng/ul# | 94 |
| 77) Pyrene | 19.69 | 202 | 342020 | 5.73 | ng/ul# | 93 |
| 80) Benzo(a)anthracene | 21.42 | 228 | 113197 | 1.73 | ng/ul | 96 |
| 82) Chrysene | 21.47 | 228 | 82047 | 1.39 | ng/ul | 99 |

SJ 06/26/17

SJ 06/26/17

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

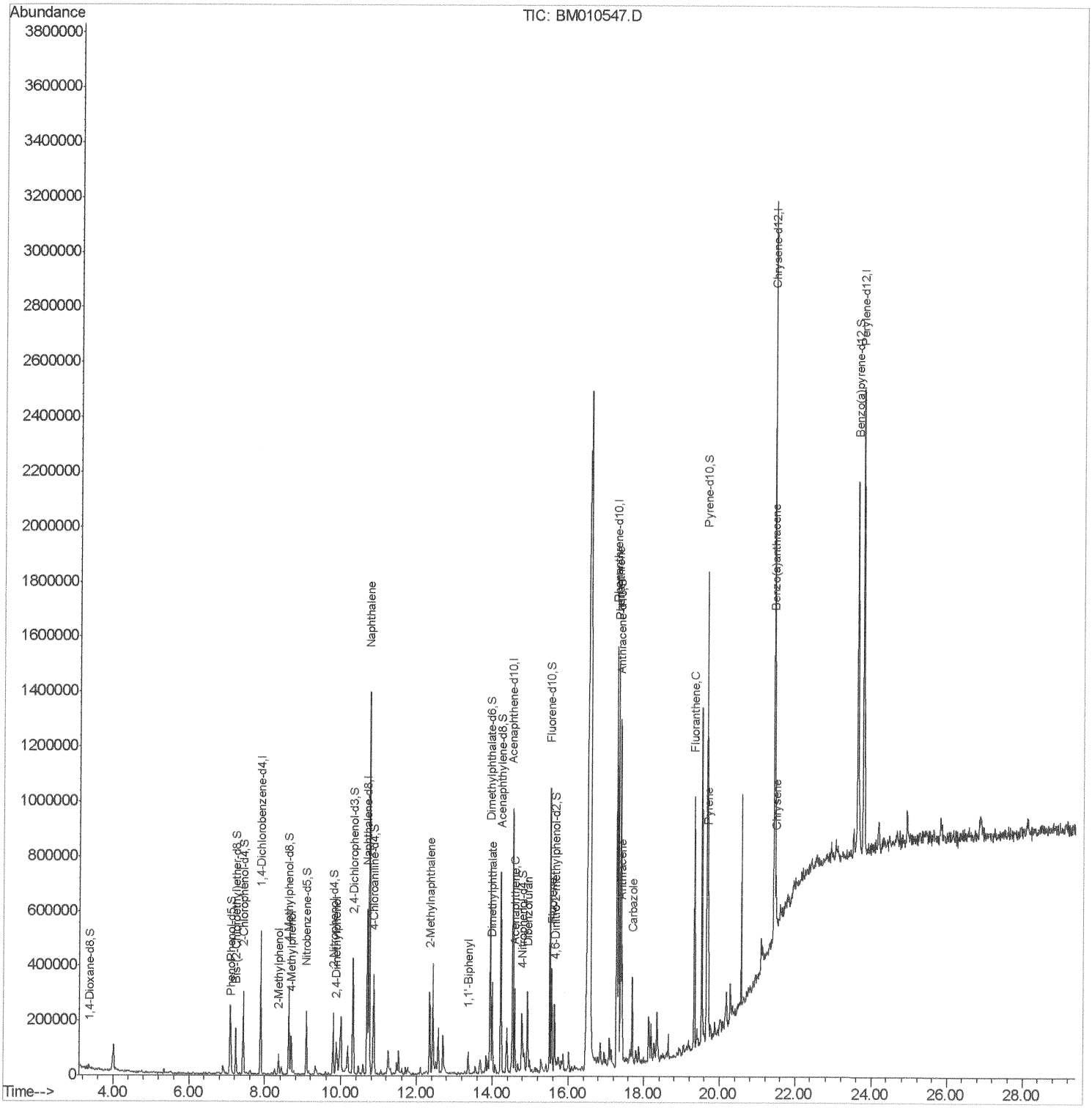
Quantitation Report (QT Reviewed)

Data File : BM010547.D
Acq On : 12 Jun 2017 22:21
Operator : SJ/MA
Sample : I3558-14DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 13 04:00:59 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

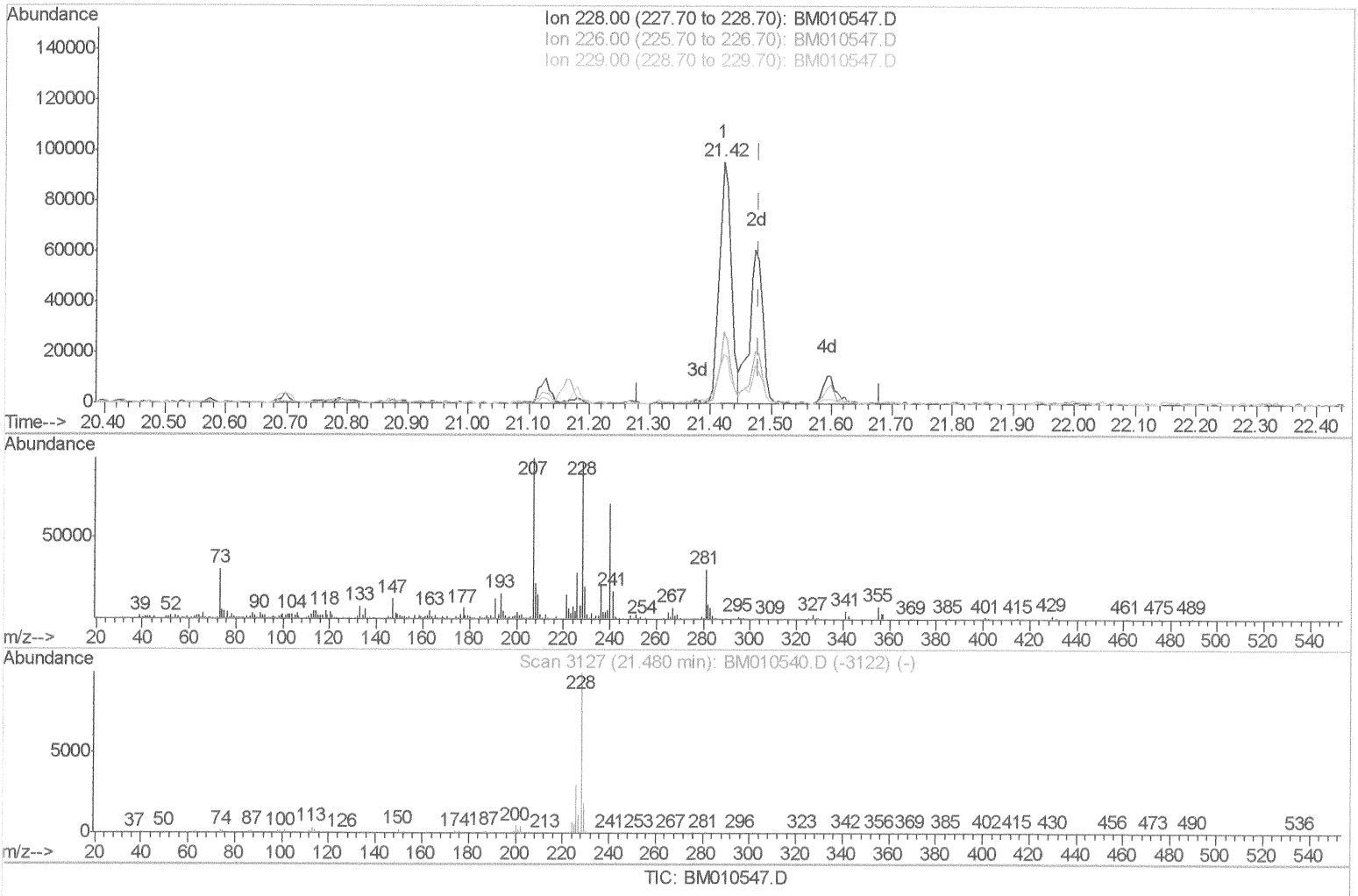
Quantitation Report (Qedit)

Data File : BM010547.D
Acq On : 12 Jun 2017 22:21
Operator : SJ/MA
Sample : I3558-14DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 13 03:34:53 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010547.D

(82) Chrysene

21.421min (-0.059) 2.24ng/ul

response 131477

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 29.30 | 29.54 |
| 229.00 | 19.40 | 20.34 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

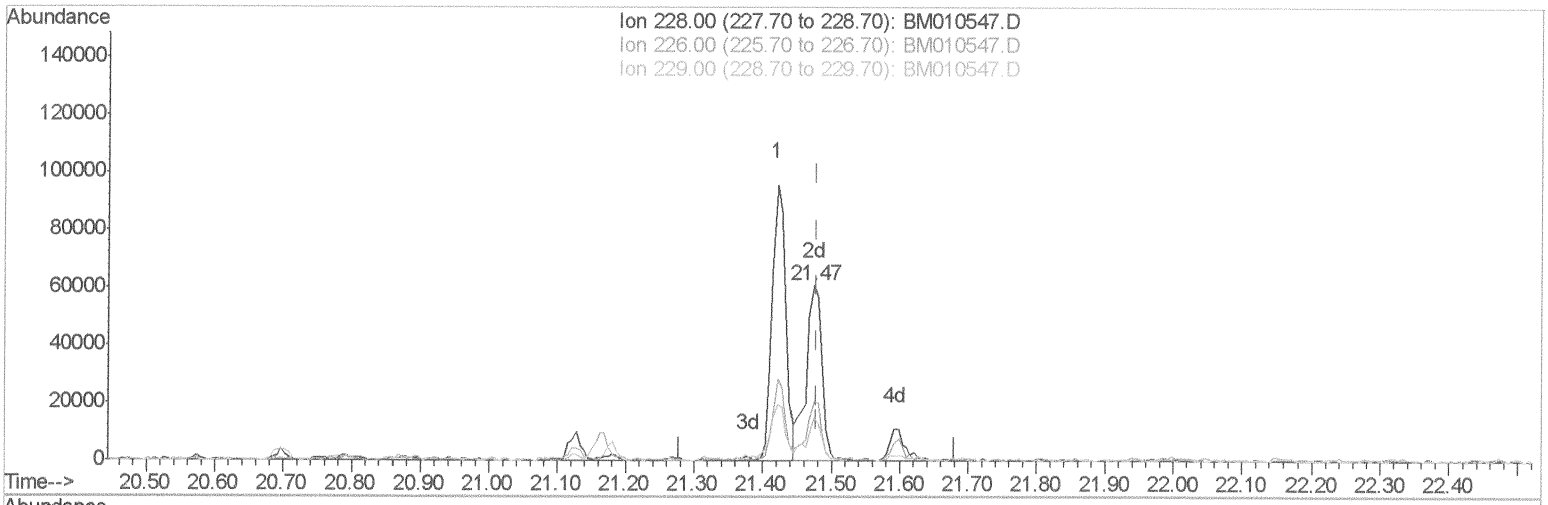
Quantitation Report (Qedit)

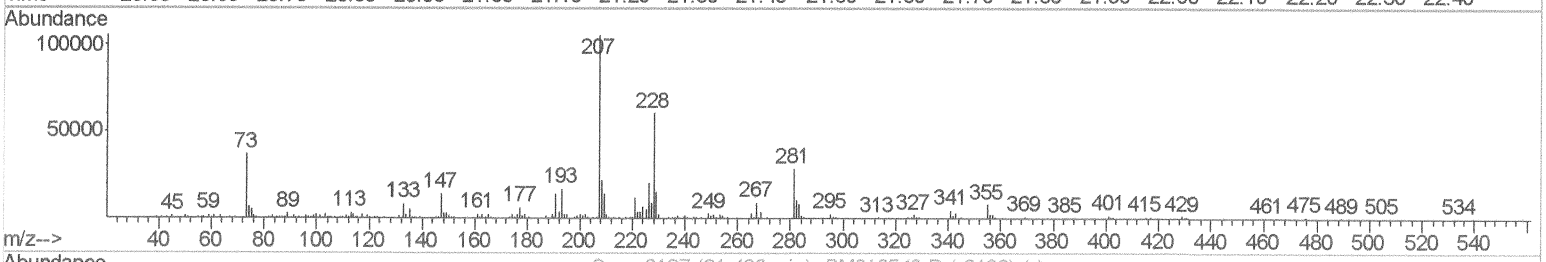
Data File : BM010547.D
Acq On : 12 Jun 2017 22:21
Operator : SJ/MA
Sample : I3558-14DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

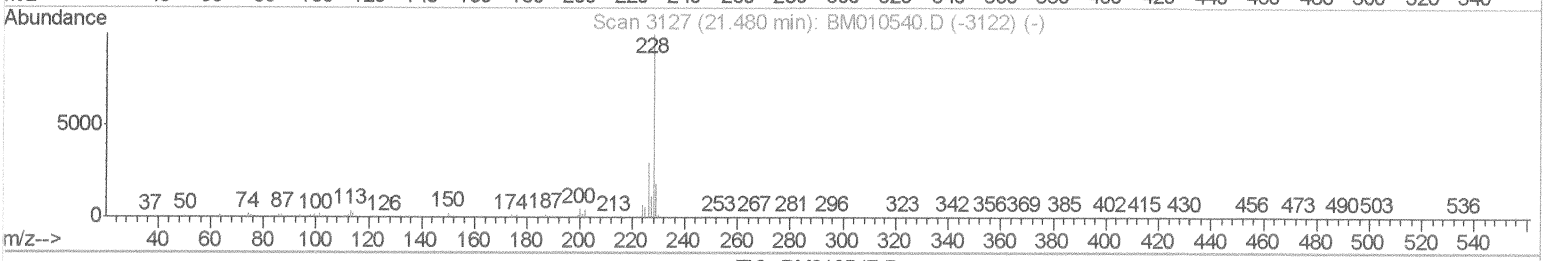
Quant Time: Jun 13 03:34:53 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010547.D

(82) Chrysene

21.474min (-0.006) 1.62ng/ul m SJ 06/26/17

response 95144

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 29.30 | 34.25 |
| 229.00 | 19.40 | 25.15# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (QT Reviewed)

Data File : BM010547.D
Acq On : 12 Jun 2017 22:21
Operator : SJ/MA
Sample : I3558-14DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM

Quant Time: Jun 13 04:00:59 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.89 | 152 | 106317 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.69 | 136 | 390854 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.52 | 164 | 274146 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.27 | 188 | 770815 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.44 | 240 | 1151289 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.77 | 264 | 1179537 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.36 | 96 | 6017 | 2.32 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.07 | 99 | 104516 | 12.97 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.23 | 67 | 61516 | 13.59 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.43 | 132 | 90710 | 14.13 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.61 | 113 | 91905 | 14.14 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.07 | 128 | 39456 | 13.78 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.78 | 143 | 52176 | 15.73 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.32 | 165 | 117238 | 17.21 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.86 | 131 | 106079 | 16.14 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.94 | 166 | 407530 | 17.89 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.22 | 160 | 434849 | 16.37 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.77 | 143 | 44318 | 13.00 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.52 | 176 | 352912 | 17.63 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.64 | 200 | 55122 | 10.10 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.37 | 188 | 621493 | 16.57 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.66 | 212 | 797387 | 16.75 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.62 | 264 | 883559 | 16.09 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.10 | 94 | 36619 | 4.43 | ng/ul# | 77 |
| 11) 2-Methylphenol | 8.35 | 108 | 15524 | 2.57 | ng/ul | 88 |
| 16) 4-Methylphenol | 8.67 | 108 | 42600 | 6.44 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.87 | 107 | 36057 | 4.41 | ng/ul | 92 |
| 28) Naphthalene | 10.74 | 128 | 872594 | 44.51 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.34 | 142 | 107906 | 7.26 | ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.36 | 154 | 34059 | 1.53 | ng/ul# | 81 |
| 44) Dimethylphthalate | 13.99 | 163 | 165349 | 7.38 | ng/ul | 99 |
| 49) Acenaphthene | 14.59 | 153 | 100944 | 5.54 | ng/ul | 97 |
| 53) Dibenzofuran | 14.92 | 168 | 147922 | 5.49 | ng/ul | 99 |
| 58) Fluorene | 15.57 | 166 | 142426 | 6.45 | ng/ul | 90 |
| 69) Phenanthrene | 17.32 | 178 | 754914 | 18.35 | ng/ul | 97 |
| 71) Anthracene | 17.40 | 178 | 228149 | 5.31 | ng/ul | 95 |
| 72) Carbazole | 17.69 | 167 | 159394 | 4.38 | ng/ul | 96 |
| 74) Fluoranthene | 19.32 | 202 | 521979 | 10.32 | ng/ul# | 95 |
| 77) Pyrene | 19.69 | 202 | 339141 | 5.72 | ng/ul# | 94 |
| 80) Benzo(a)anthracene | 21.42 | 228 | 130860 | 2.02 | ng/ul | 96 |
| 82) Chrysene | 21.47 | 228 | 95144m | 1.62 | ng/ul | |

SJ 06/26/17

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

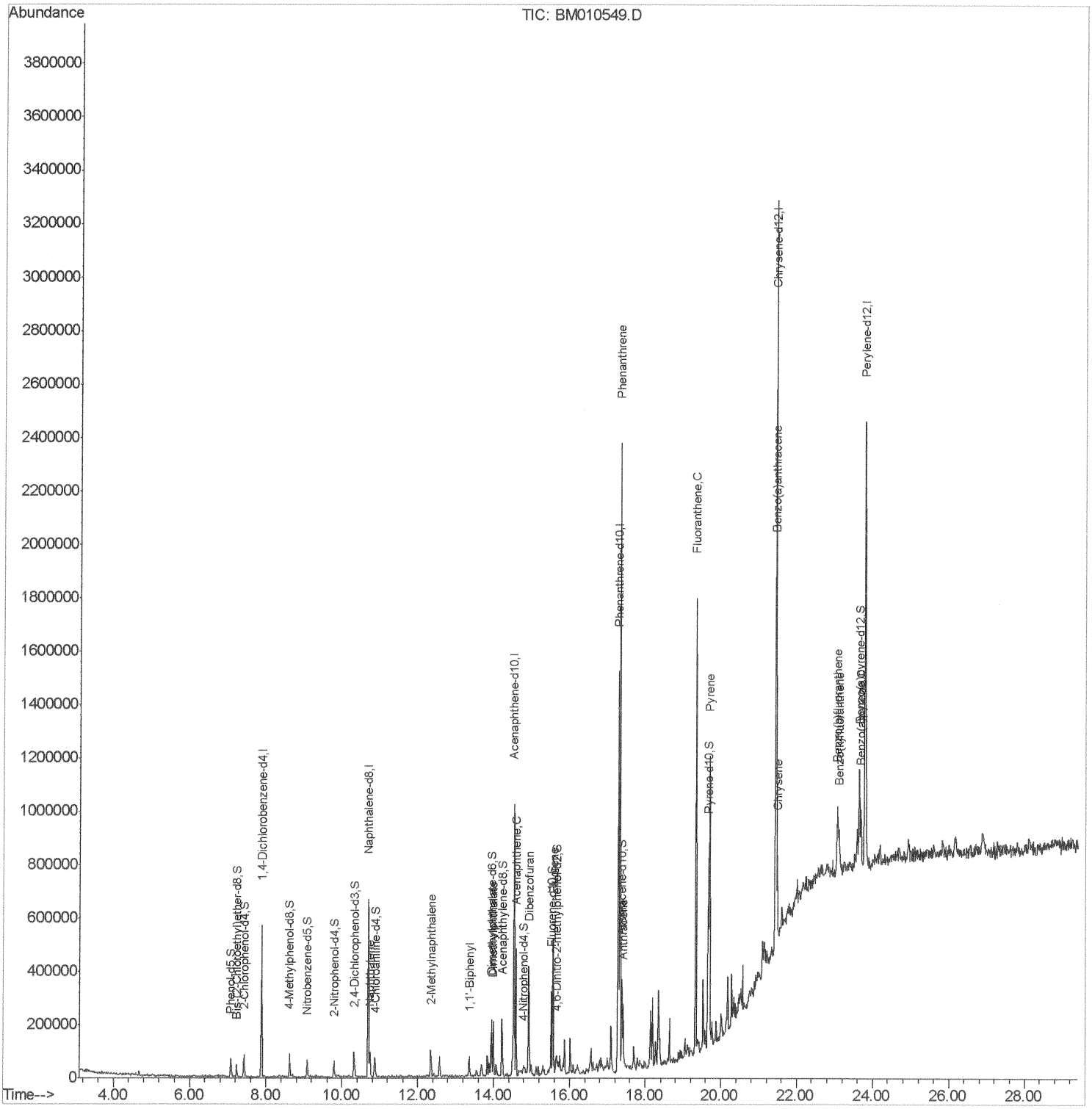
Quantitation Report (QT Reviewed)

Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 13 04:09:38 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

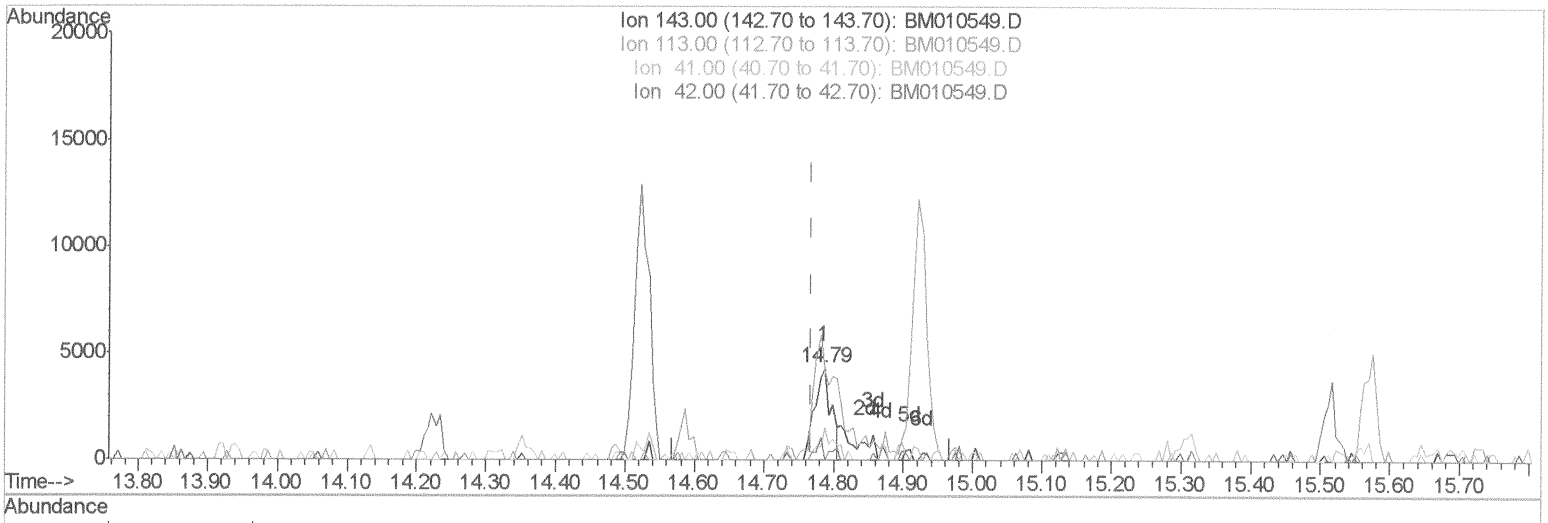
Quantitation Report (Qedit)

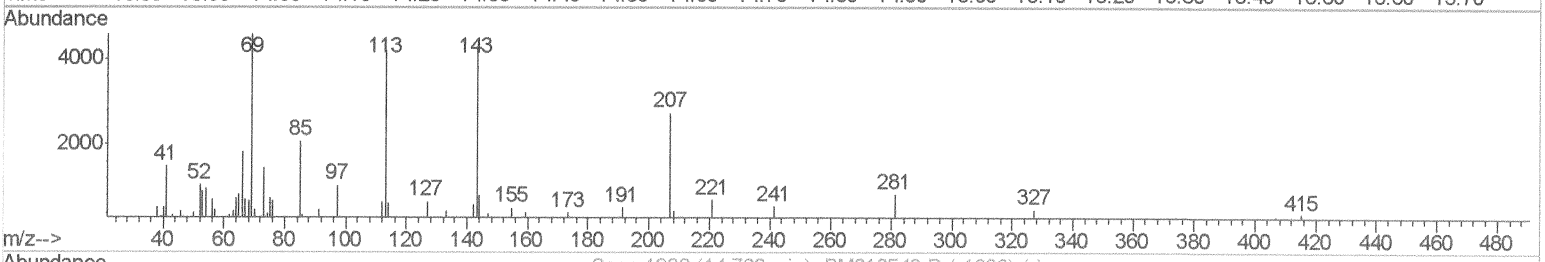
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

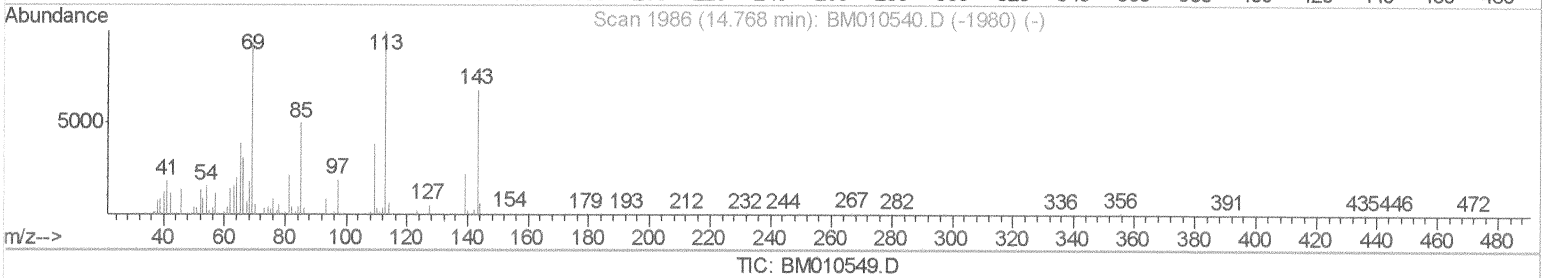
Quant Time: Jun 13 03:35:26 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010549.D

(51) 4-Nitrophenol-d4 (S)

14.786min (+0.018) 1.90ng/ul

response 7089

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 114.60 | 97.69 |
| 41.00 | 34.80 | 35.07 |
| 42.00 | 20.50 | 0.00# |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

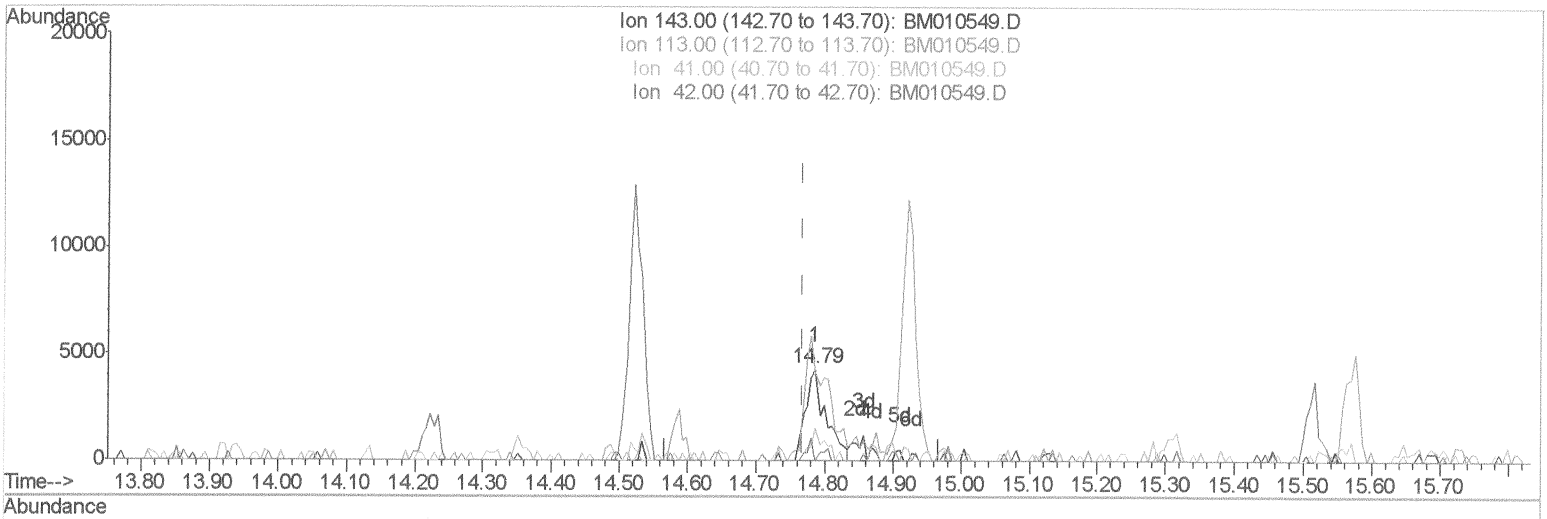
Quantitation Report (Qedit)

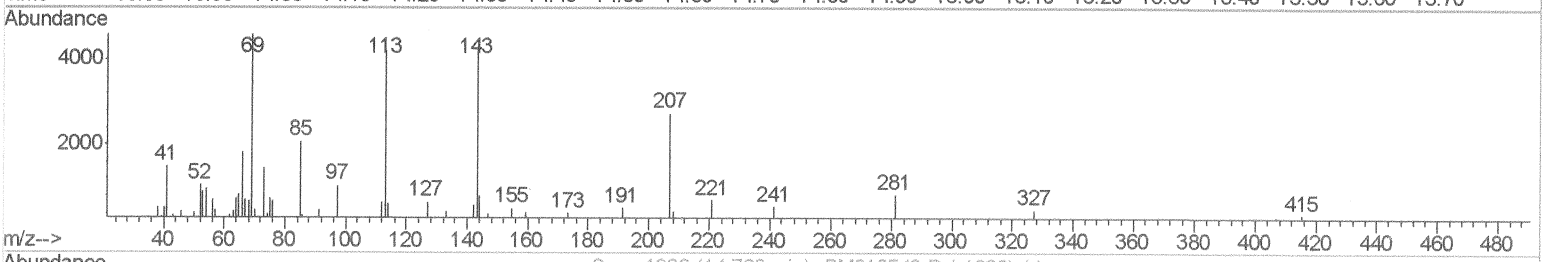
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

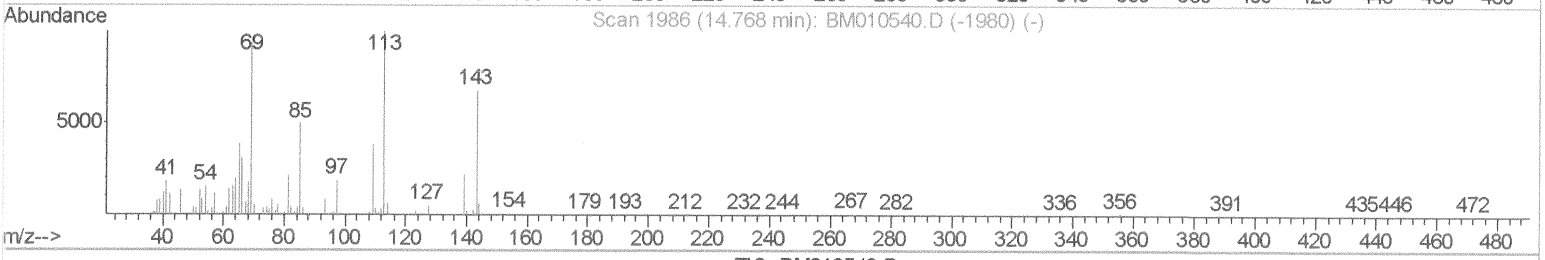
Quant Time: Jun 13 03:35:26 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010549.D

(51) 4-Nitrophenol-d4 (S)

14.786min (+0.018) 2.37ng/ul m SJ 06/26/17

response 8837

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 114.60 | 97.69 |
| 41.00 | 34.80 | 35.07 |
| 42.00 | 20.50 | 0.00# |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

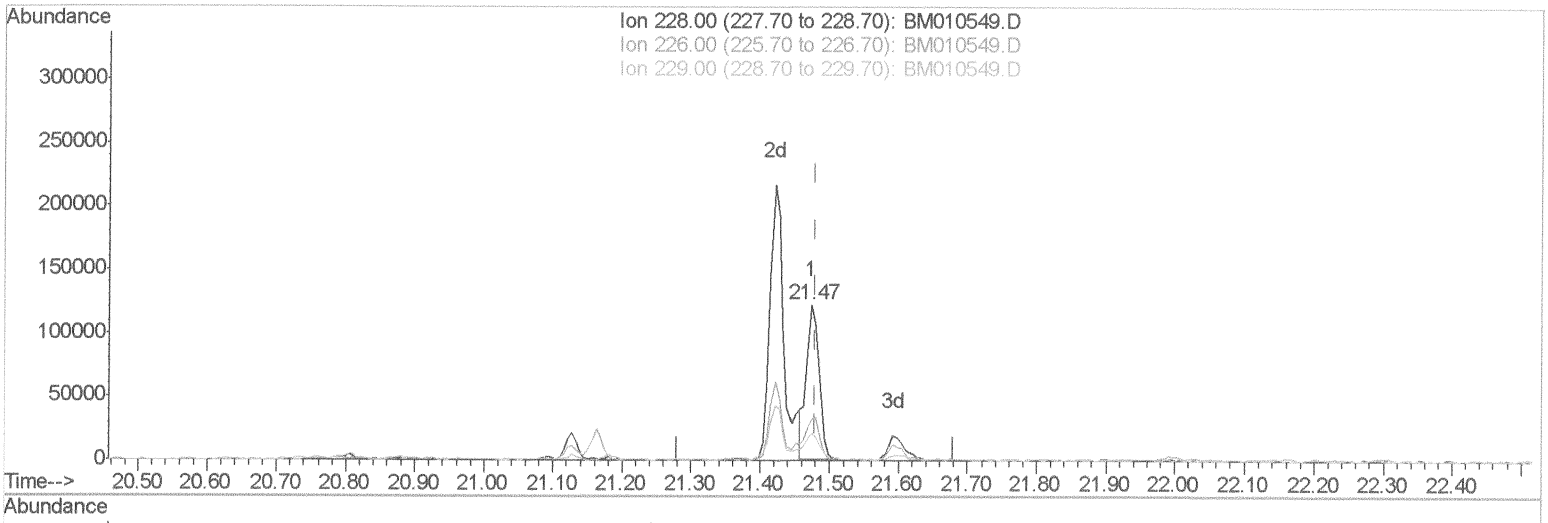
Quantitation Report (Qedit)

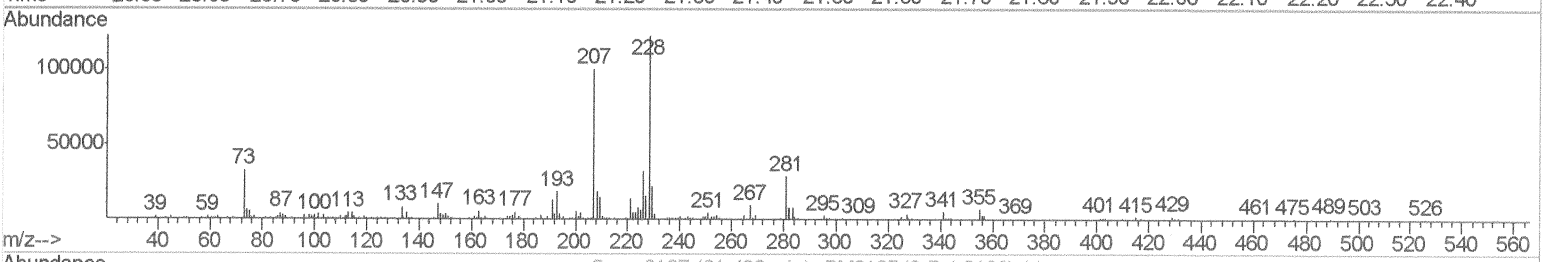
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

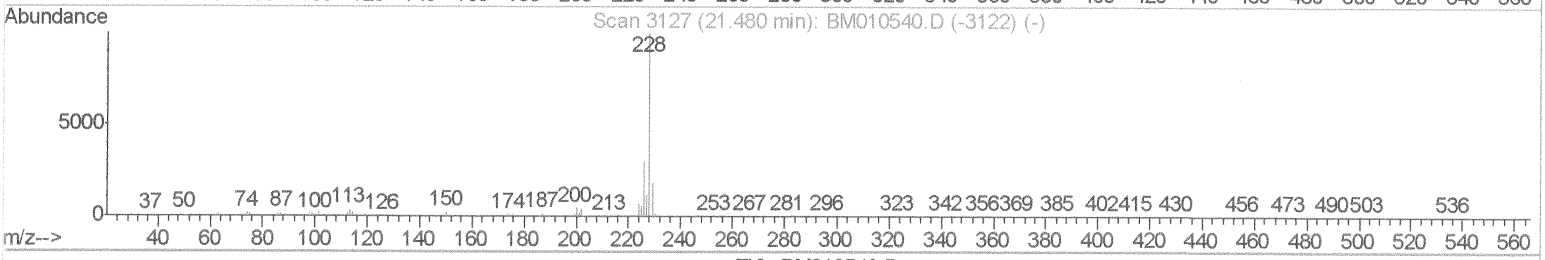
Quant Time: Jun 13 03:35:26 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010549.D

(82) Chrysene

21.474min (-0.006) 2.59ng/ul

response 153476

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 29.30 | 26.33 |
| 229.00 | 19.40 | 17.98 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

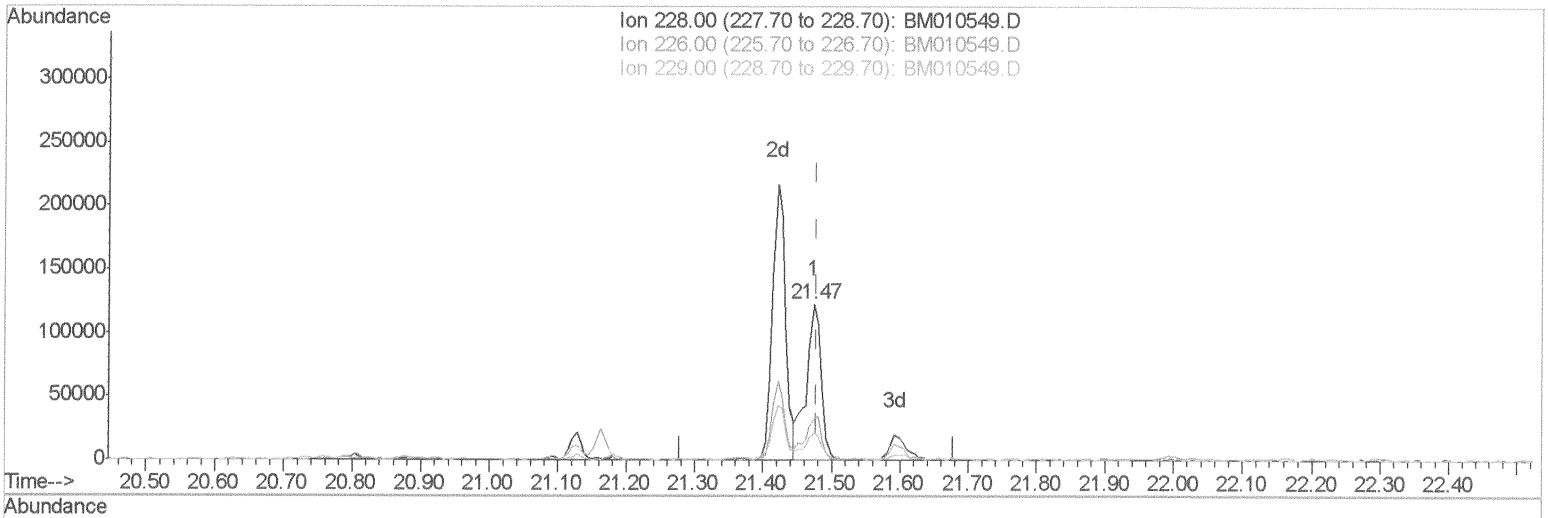
Quantitation Report (Qedit)

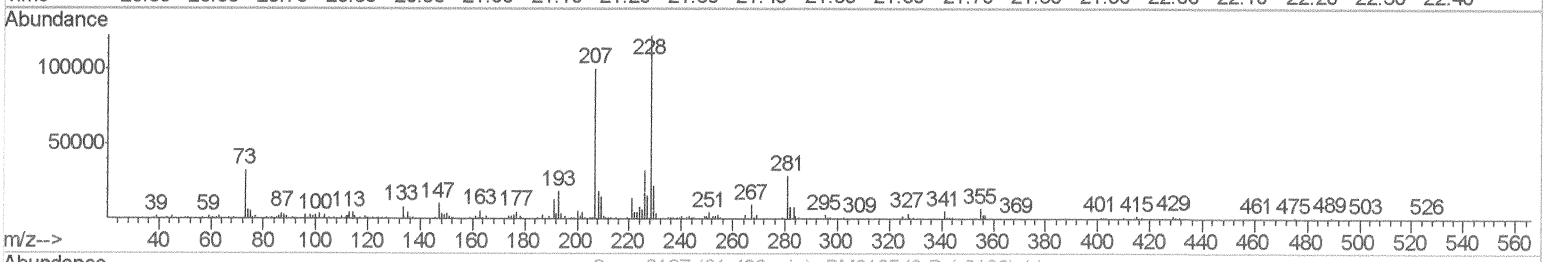
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

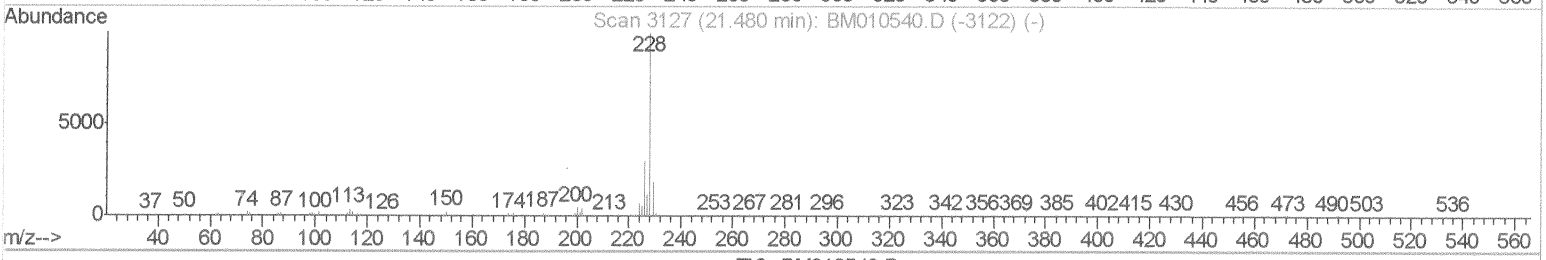
Quant Time: Jun 13 03:35:26 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010549.D

(82) Chrysene

21.474min (-0.006) 3.09ng/ul m SJ 06/26/17

response 183369

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 29.30 | 26.33 |
| 229.00 | 19.40 | 17.98 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

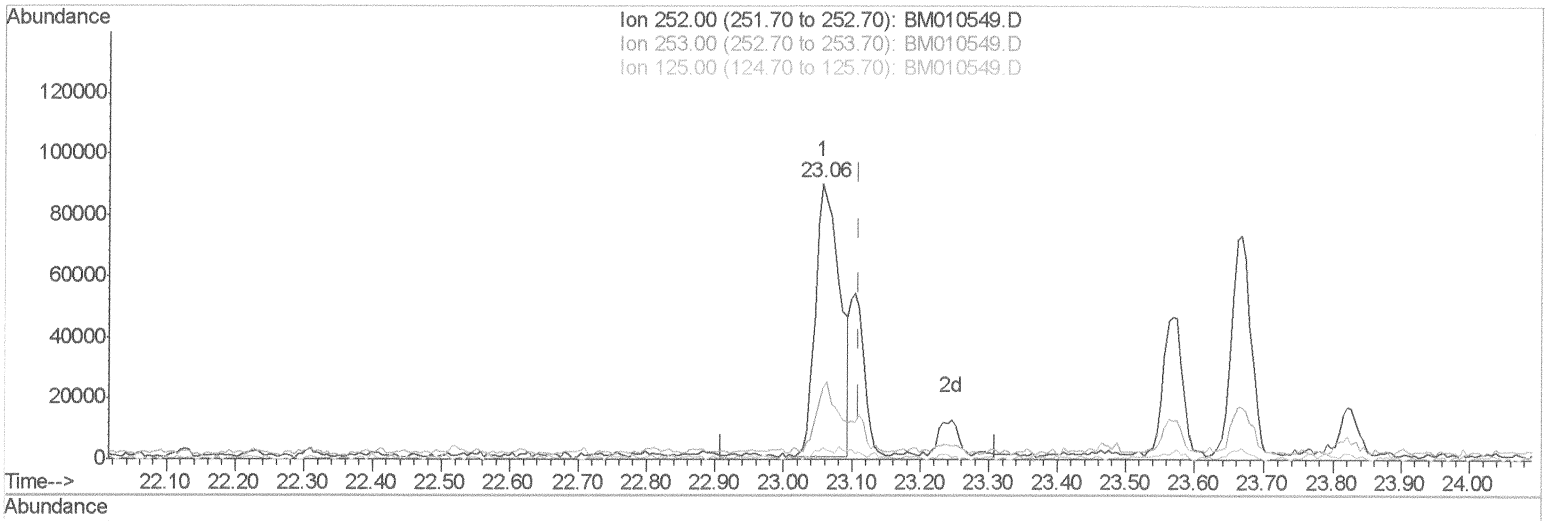
Quantitation Report (Qedit)

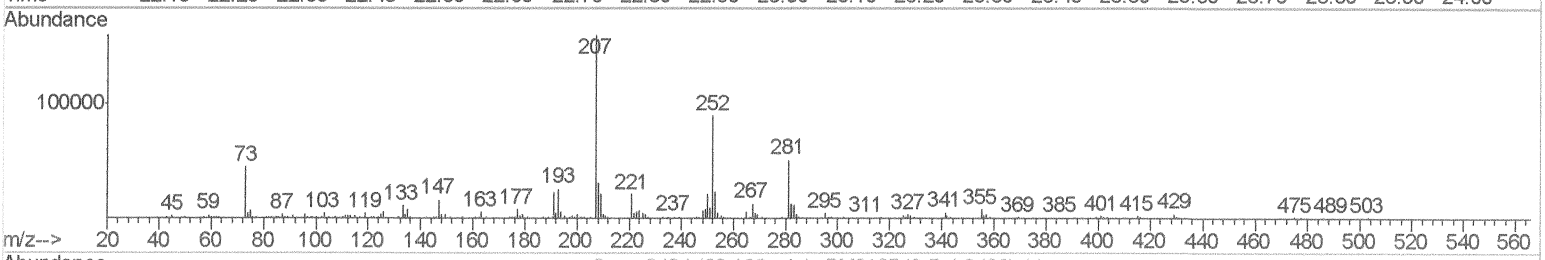
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

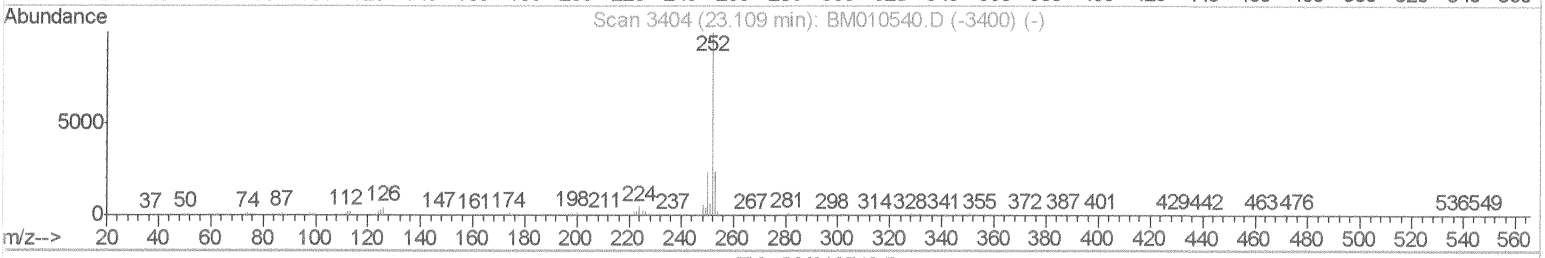
Quant Time: Jun 13 03:35:26 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010549.D

(86) Benzo(k)fluoranthene

23.056min (-0.053) 3.29ng/ul

response 221948

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.40 | 25.70# |
| 125.00 | 4.30 | 4.39 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

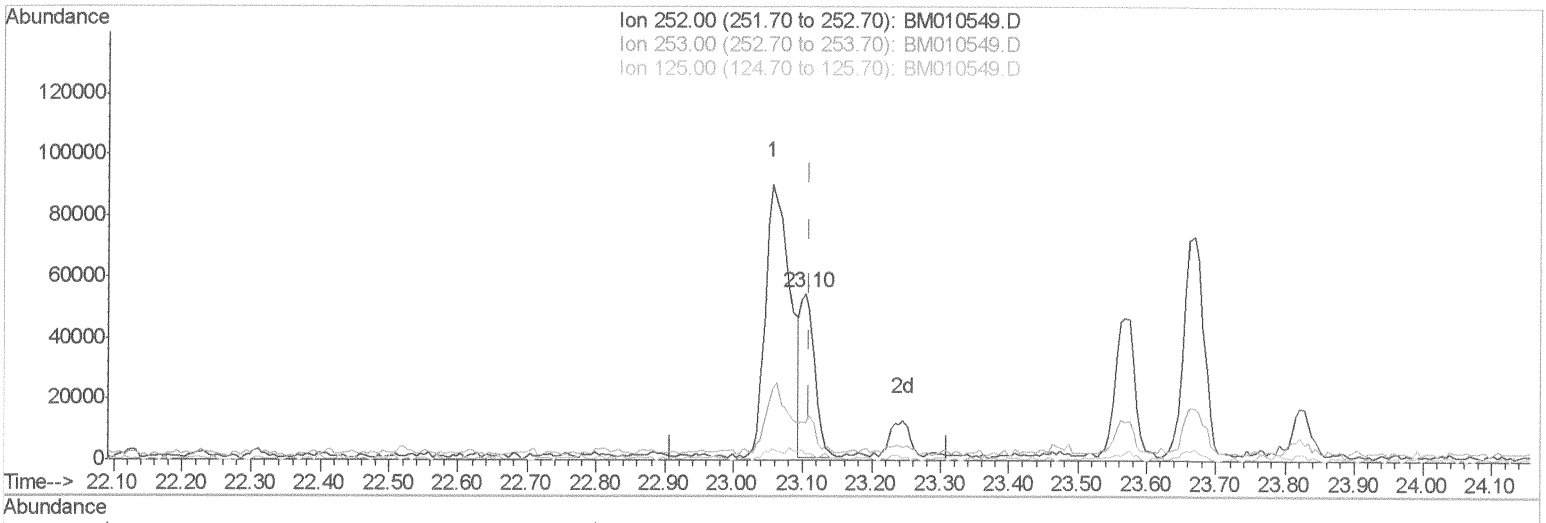
Quantitation Report (Qedit)

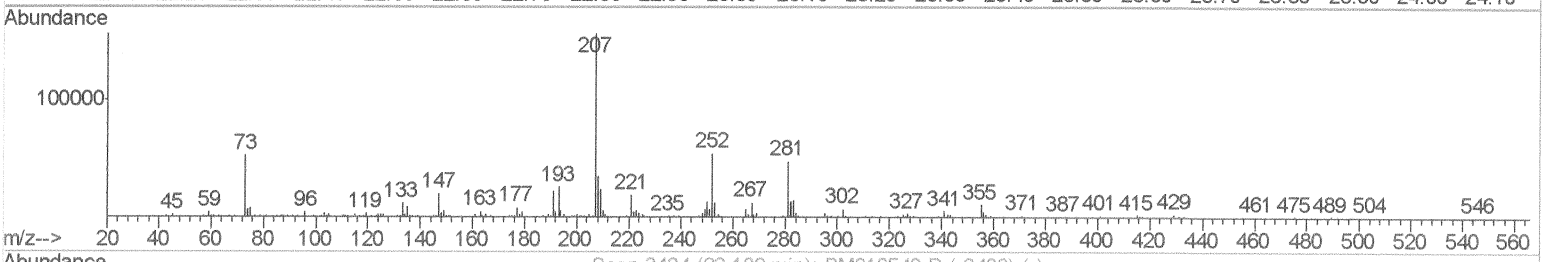
Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

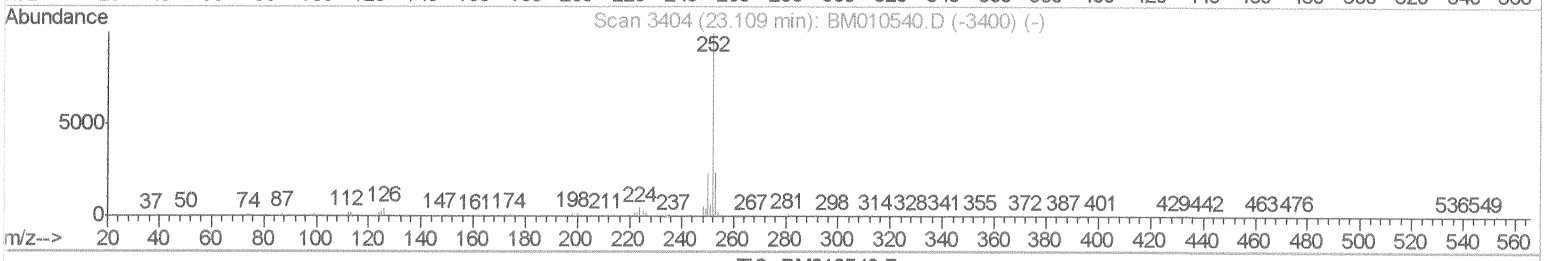
Quant Time: Jun 13 03:35:26 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010549.D

(86) Benzo(k)fluoranthene

23.103min (-0.006) 1.15ng/ul m SJ 06/26/17

response 77621

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.40 | 22.30 |
| 125.00 | 4.30 | 3.60 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (QT Reviewed)

Data File : BM010549.D
Acq On : 12 Jun 2017 23:33
Operator : SJ/MA
Sample : I3522-12DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM

Quant Time: Jun 13 04:09:38 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.89 | 152 | 123171 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.69 | 136 | 434770 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.52 | 164 | 299502 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.27 | 188 | 792366 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.44 | 240 | 1163832 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.77 | 264 | 1215006 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.37 | 96 | 2433 | 0.81 | ng/uL | 0.01 |
| 5) Phenol-d5 | 7.07 | 99 | 26490 | 2.84 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.23 | 67 | 18123 | 3.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.42 | 132 | 27770 | 3.73 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.62 | 113 | 24642 | 3.27 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.07 | 128 | 11575 | 3.63 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.79 | 143 | 12975 | 3.52 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.32 | 165 | 32443 | 4.28 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.86 | 131 | 29578 | 4.05 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.94 | 166 | 107365 | 4.31 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.22 | 160 | 118605 | 4.09 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.79 | 143 | 8837m | 2.37 | ng/ul | 0.02 |
| 57) Fluorene-d10 | 15.52 | 176 | 99691 | 4.56 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.65 | 200 | 15900 | 2.83 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.37 | 188 | 161153 | 4.18 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.66 | 212 | 220240 | 4.58 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.62 | 264 | 248307 | 4.39 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 28) Naphthalene | 10.74 | 128 | 58345 | 2.68 | ng/ul | 96 |
| 34) 2-Methylnaphthalene | 12.35 | 142 | 40810 | 2.47 | ng/ul | 83 |
| 40) 1,1'-Biphenyl | 13.36 | 154 | 37917 | 1.56 | ng/ul# | 94 |
| 44) Dimethylphthalate | 13.99 | 163 | 106285 | 4.34 | ng/ul# | 96 |
| 49) Acenaphthene | 14.59 | 153 | 162224 | 8.15 | ng/ul | 88 |
| 53) Dibenzofuran | 14.92 | 168 | 206133 | 7.01 | ng/ul | 95 |
| 58) Fluorene | 15.57 | 166 | 200628 | 8.31 | ng/ul | 97 |
| 69) Phenanthrene | 17.32 | 178 | 1222559 | 28.90 | ng/ul | 99 |
| 71) Anthracene | 17.40 | 178 | 126356 | 2.86 | ng/ul | 98 |
| 74) Fluoranthene | 19.32 | 202 | 967068 | 18.59 | ng/ul# | 95 |
| 77) Pyrene | 19.69 | 202 | 656368 | 10.94 | ng/ul# | 94 |
| 80) Benzo(a)anthracene | 21.42 | 228 | 283137 | 4.31 | ng/ul | 97 |
| 82) Chrysene | 21.47 | 228 | 183369m | 3.09 | ng/ul | |
| 85) Benzo(b)fluoranthene | 23.06 | 252 | 221948 | 3.14 | ng/ul | 94 |
| 86) Benzo(k)fluoranthene | 23.10 | 252 | 77621m | 1.15 | ng/ul | |
| 88) Benzo(a)pyrene | 23.67 | 252 | 142221 | 2.03 | ng/ul | 99 |

SJ 06/26/17

SJ 06/26/17

SJ 06/26/17

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

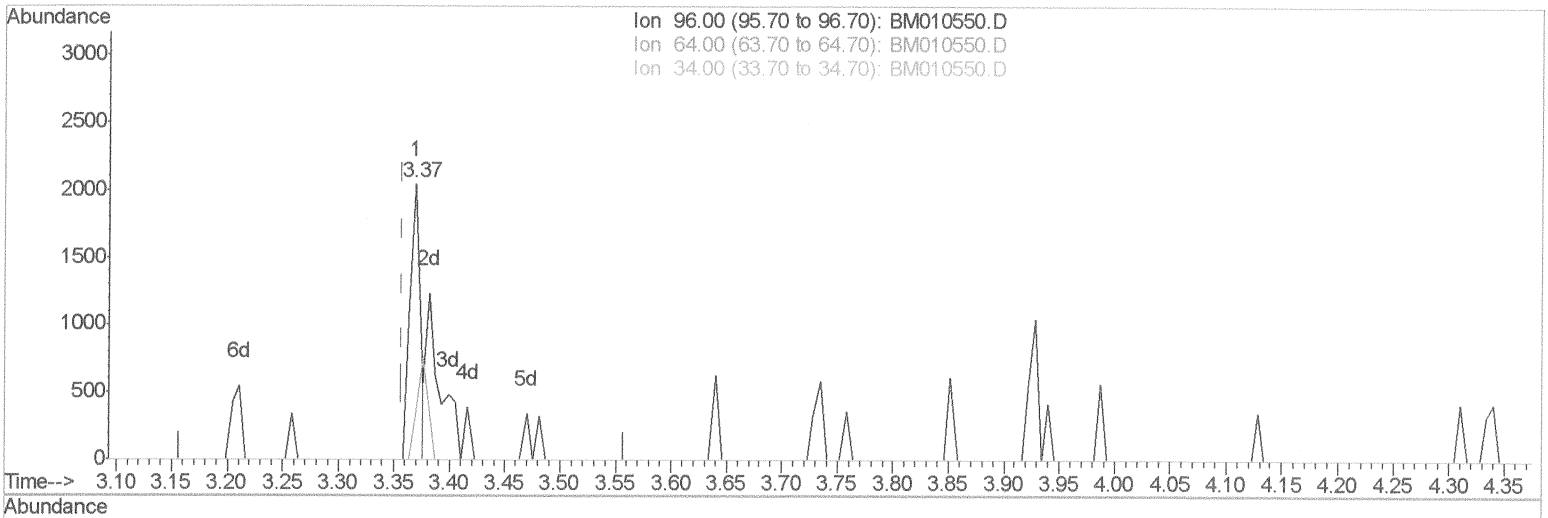
Quantitation Report (Qedit)

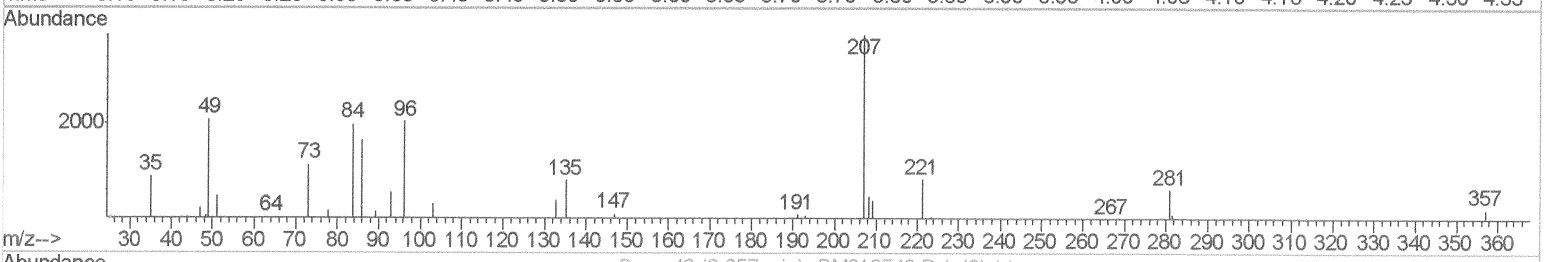
Data File : BM010550.D
Acq On : 13 Jun 2017 00:09
Operator : SJ/MA
Sample : I3522-19DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

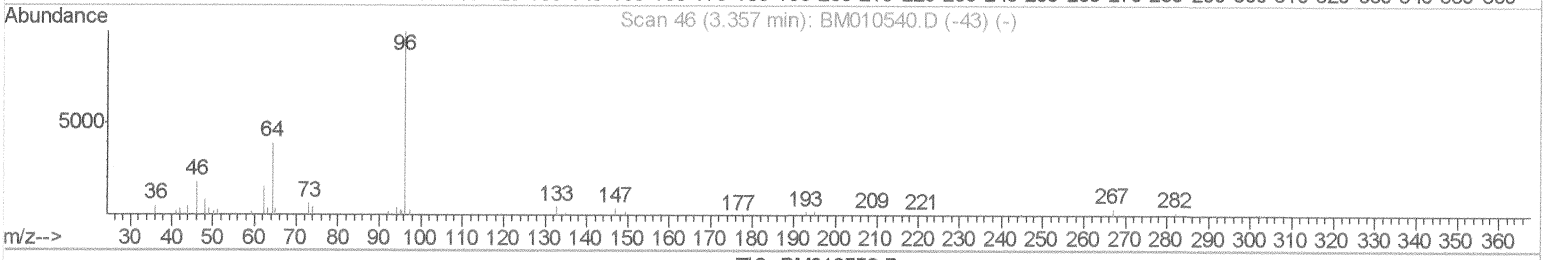
Quant Time: Jun 13 03:35:41 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010550.D

(3) 1,4-Dioxane-d8 (S)

3.369min (+0.012) 0.41ng/uL

response 1307

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 64.00 | 74.90 | 38.49# |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

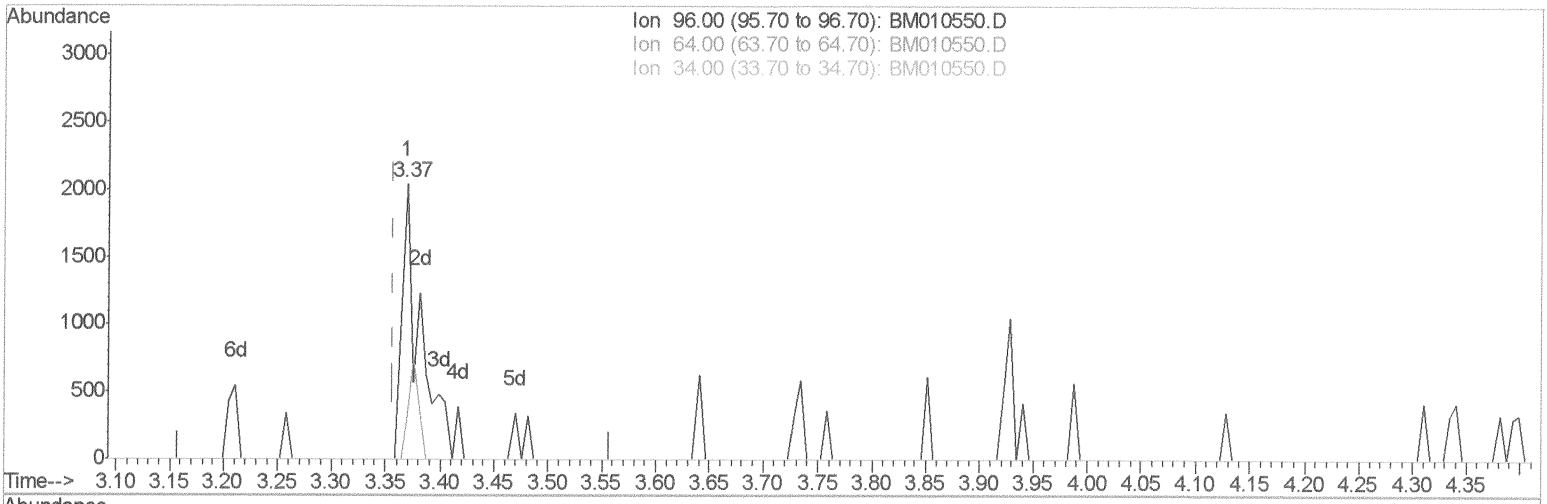
Quantitation Report (Qedit)

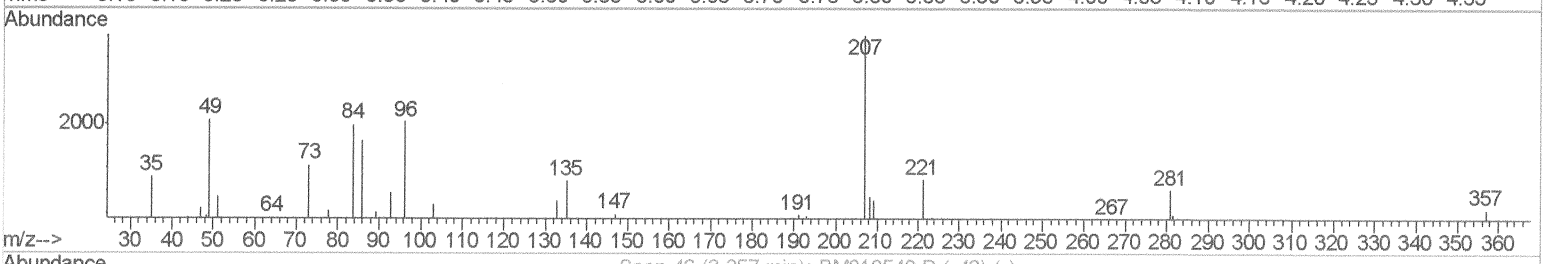
Data File : BM010550.D
Acq On : 13 Jun 2017 00:09
Operator : SJ/MA
Sample : I3522-19DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

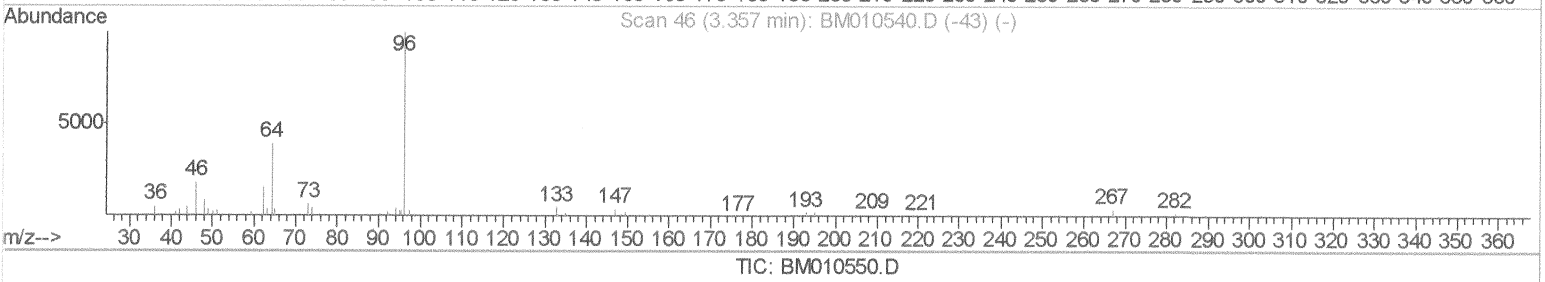
Quant Time: Jun 13 03:35:41 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010550.D

(3) 1,4-Dioxane-d8 (S)

3.369min (+0.012) 0.76ng/uL m SJ 06/26/17

response 2425

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 64.00 | 74.90 | 20.74# |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

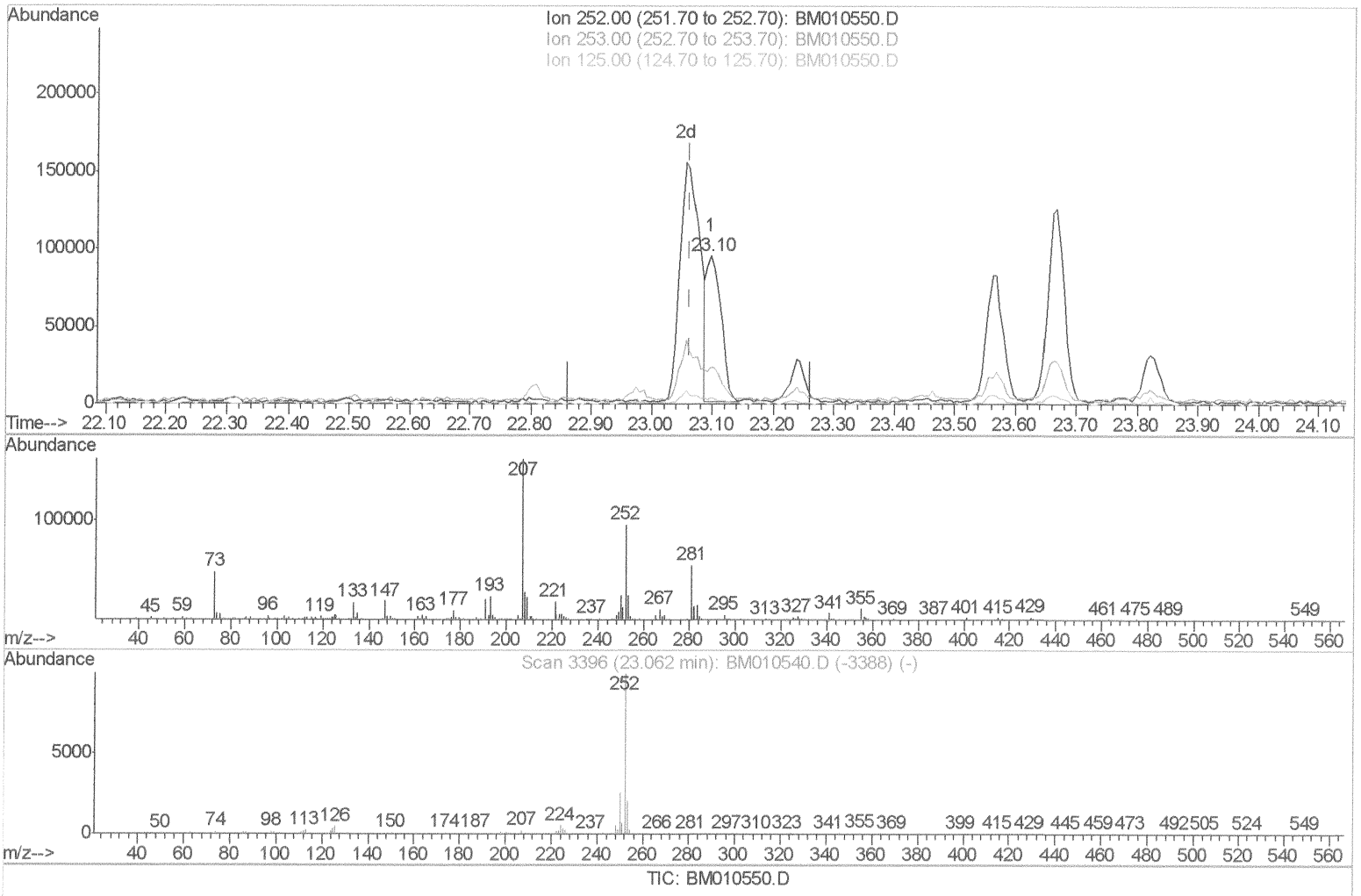
Quantitation Report (Qedit)

Data File : BM010550.D
Acq On : 13 Jun 2017 00:09
Operator : SJ/MA
Sample : I3522-19DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 13 03:35:41 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010550.D

(85) Benzo(b)fluoranthene

23.097min (+0.035) 2.04ng/ul

response 152804

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.40 | 25.44 |
| 125.00 | 4.50 | 4.58 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

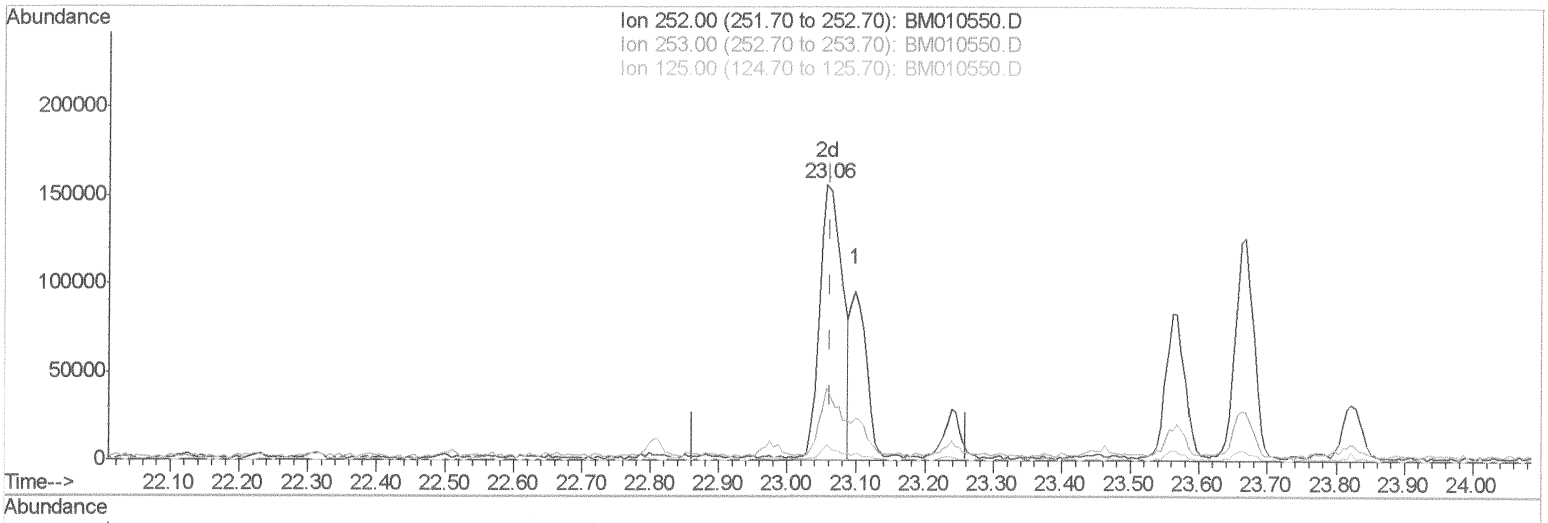
Quantitation Report (Qedit)

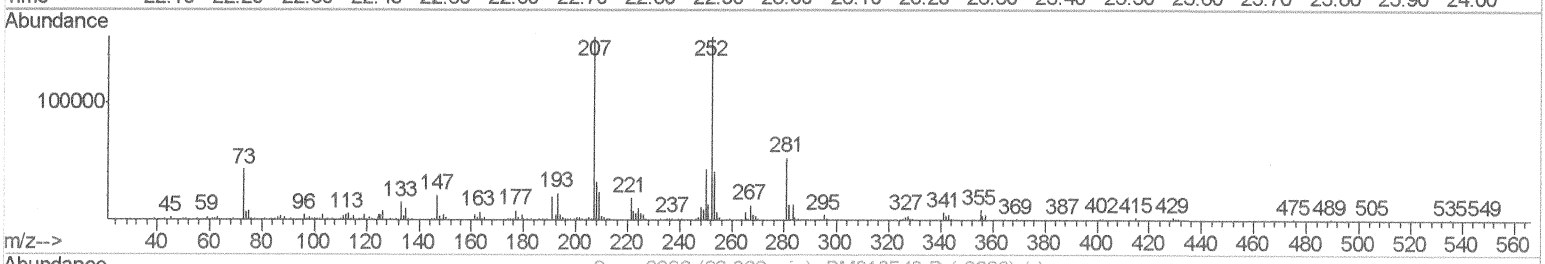
Data File : BM010550.D
Acq On : 13 Jun 2017 00:09
Operator : SJ/MA
Sample : I3522-19DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

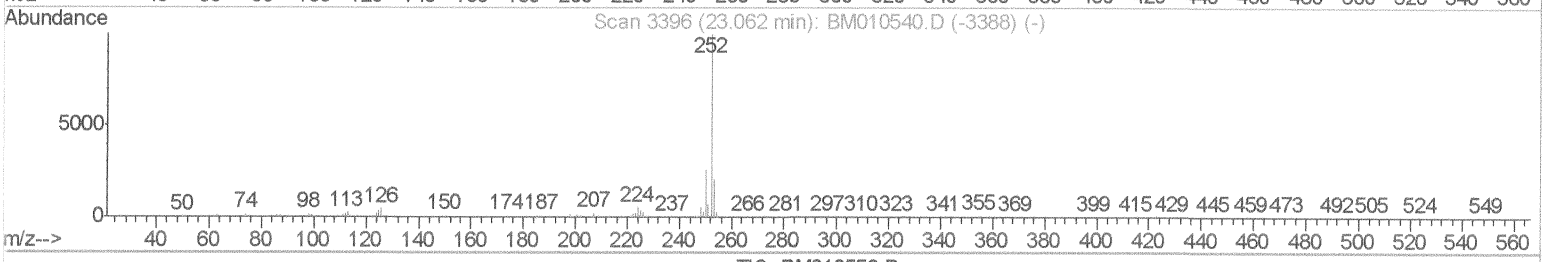
Quant Time: Jun 13 03:35:41 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM




TIC: BM010550.D

(85) Benzo(b)fluoranthene

23.056min (-0.006) 4.77ng/ul m

response 357210

SJ 06/26/17

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.40 | 26.56 |
| 125.00 | 4.50 | 3.09# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (QT Reviewed)

Data File : BM010550.D
Acq On : 13 Jun 2017 00:09
Operator : SJ/MA
Sample : I3522-19DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F5D32DL

**Manual Integrations APPROVED**
mohammad
6/13/2017 3:54:45 PM

Quant Time: Jun 13 04:13:50 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.89 | 152 | 131089 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.69 | 136 | 456062 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.52 | 164 | 307739 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.27 | 188 | 822694 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.44 | 240 | 1211767 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.77 | 264 | 1288119 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.37 | 96 | 2425m> | 0.76 | ng/uL | 0.01 |
| 5) Phenol-d5 | 7.08 | 99 | 24864 | 2.50 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.23 | 67 | 14799 | 2.65 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.42 | 132 | 22441 | 2.83 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.61 | 113 | 19434 | 2.42 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.08 | 128 | 9475 | 2.84 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.79 | 143 | 11274 | 2.91 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.33 | 165 | 24668 | 3.10 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4 | 10.86 | 131 | 24362 | 3.18 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.94 | 166 | 95803 | 3.75 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.22 | 160 | 90012 | 3.02 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.79 | 143 | 5820 | 1.52 | ng/ul | 0.02 |
| 57) Fluorene-d10 | 15.52 | 176 | 82648 | 3.68 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.65 | 200 | 13477 | 2.31 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.37 | 188 | 134814 | 3.37 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.66 | 212 | 175625 | 3.50 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.61 | 264 | 193535 | 3.23 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 34) 2-Methylnaphthalene | 12.34 | 142 | 68456 | 3.95 | ng/ul | 84 |
| 40) 1,1'-Biphenyl | 13.36 | 154 | 37691 | 1.51 | ng/ul | 90 |
| 44) Dimethylphthalate | 13.99 | 163 | 70316 | 2.80 | ng/ul# | 95 |
| 49) Acenaphthene | 14.59 | 153 | 312102 | 15.27 | ng/ul | 97 |
| 53) Dibenzofuran | 14.92 | 168 | 422004 | 13.96 | ng/ul | 95 |
| 58) Fluorene | 15.57 | 166 | 465665 | 18.78 | ng/ul | 97 |
| 69) Phenanthrene | 17.32 | 178 | 2316995 | 52.76 | ng/ul | 99 |
| 71) Anthracene | 17.40 | 178 | 334414 | 7.29 | ng/ul | 96 |
| 74) Fluoranthene | 19.32 | 202 | 1765795 | 32.69 | ng/ul# | 94 |
| 77) Pyrene | 19.69 | 202 | 1181241 | 18.92 | ng/ul# | 94 |
| 80) Benzo(a)anthracene | 21.42 | 228 | 479076 | 7.01 | ng/ul | 96 |
| 82) Chrysene | 21.47 | 228 | 385657 | 6.24 | ng/ul | 98 |
| 85) Benzo(b)fluoranthene | 23.06 | 252 | 357210m> | 4.77 | ng/ul | |
| 86) Benzo(k)fluoranthene | 23.10 | 252 | 152804 | 2.13 | ng/ul | 93 |
| 88) Benzo(a)pyrene | 23.67 | 252 | 232692 | 3.13 | ng/ul | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 26.14 | 276 | 102834 | 1.10 | ng/ul | 95 |

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