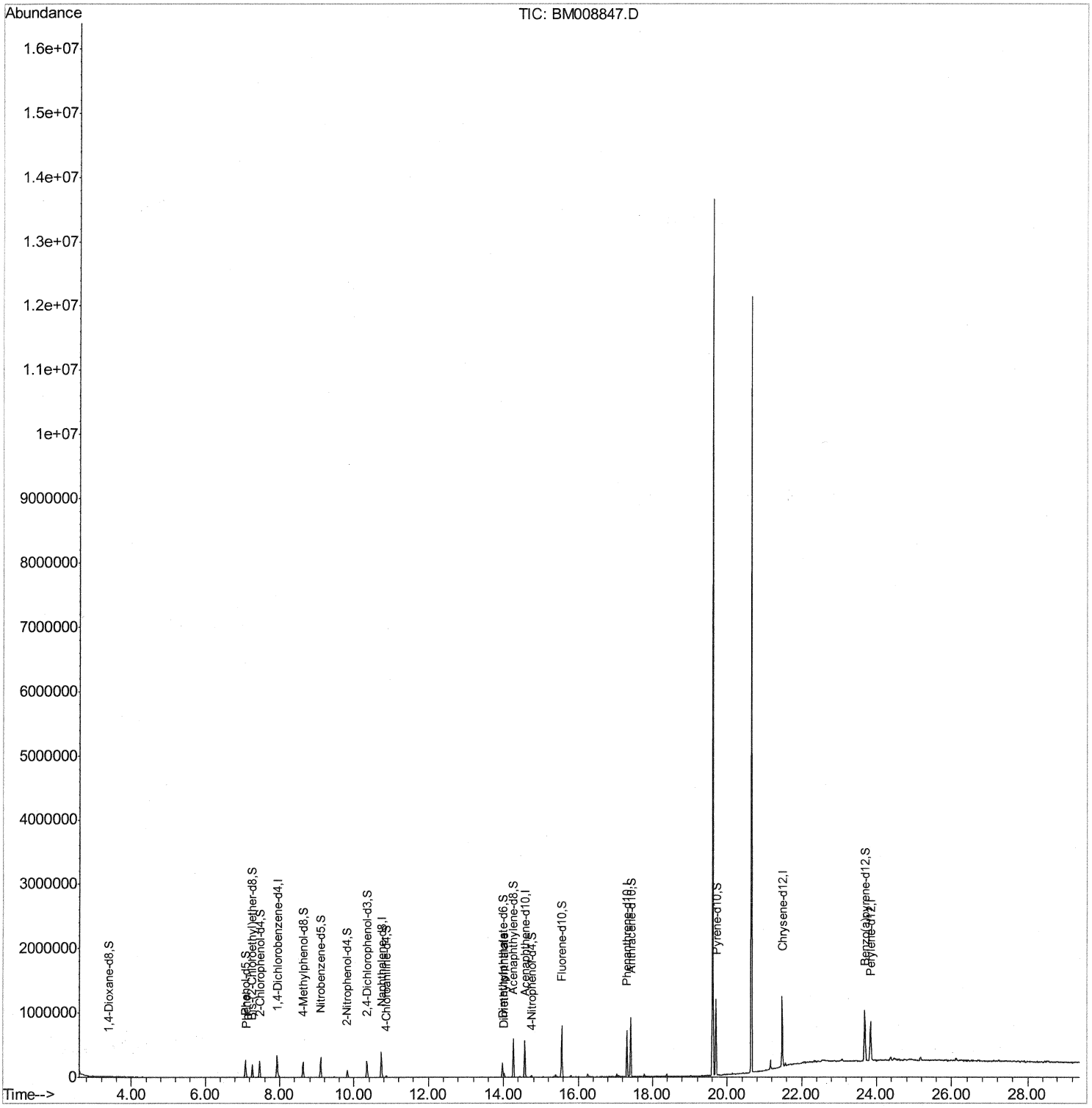
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012417\
Data File : BM008847.D
Acq On : 24 Jan 2017 20:27
Operator : UM/SJ
Sample : I1315-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 03:51:02 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 25 03:34:06 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BDN28

**Manual Integrations APPROVED**
mohammad
1/25/2017 3:46:11 PM

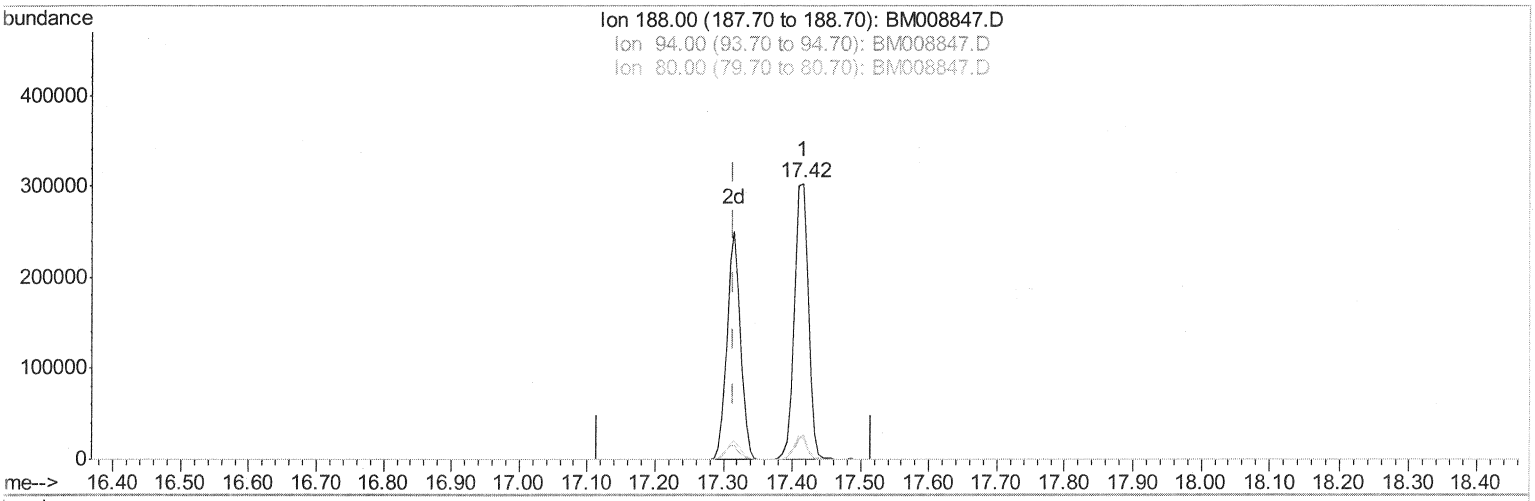


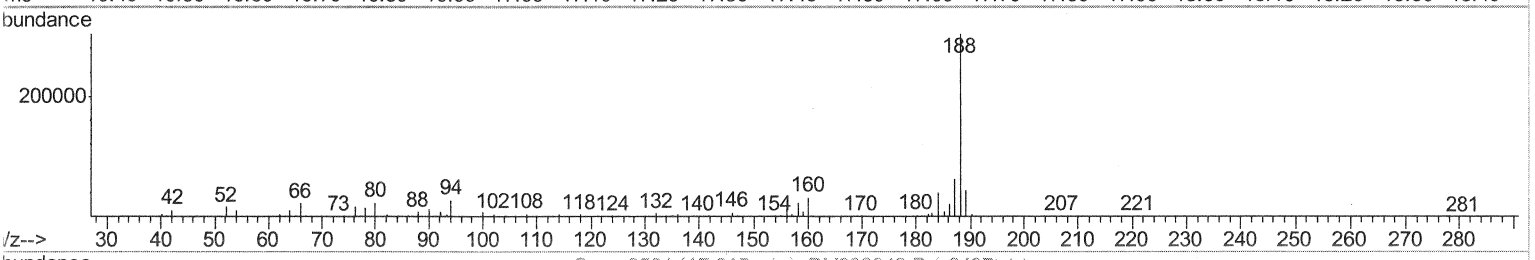
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012417\
Data File : BM008847.D
Acq On : 24 Jan 2017 20:27
Operator : UM/SJ
Sample : I1315-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

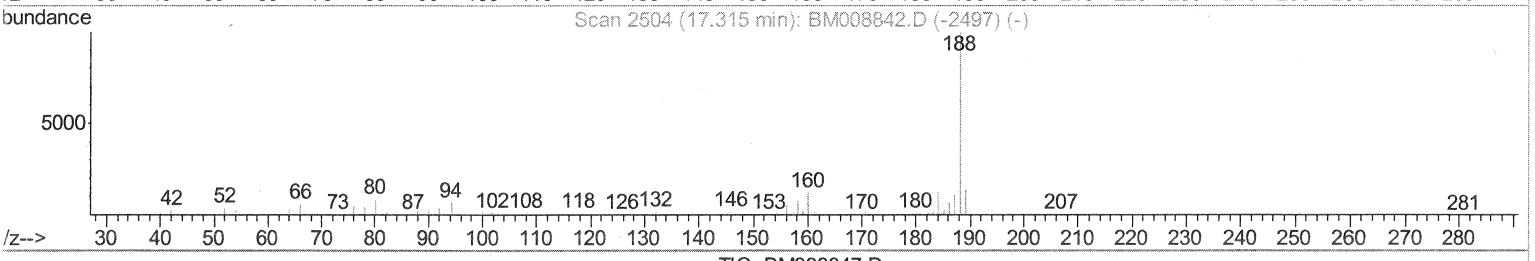
Quant Time: Jan 25 03:39:28 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 25 03:34:06 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BDN28

**Manual Integrations APPROVED**
mohammad
1/25/2017 3:46:11 PM




TIC: BM008847.D

(61) Phenanthrene-d10 (I)

17.415min (+0.100) 20.00ng/ul

response 428843

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 8.00 | 9.08 |
| 80.00 | 9.50 | 7.76 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012417\
Data File : BM008847.D
Acq On : 24 Jan 2017 20:27
Operator : UM/SJ
Sample : I1315-12
Misc :
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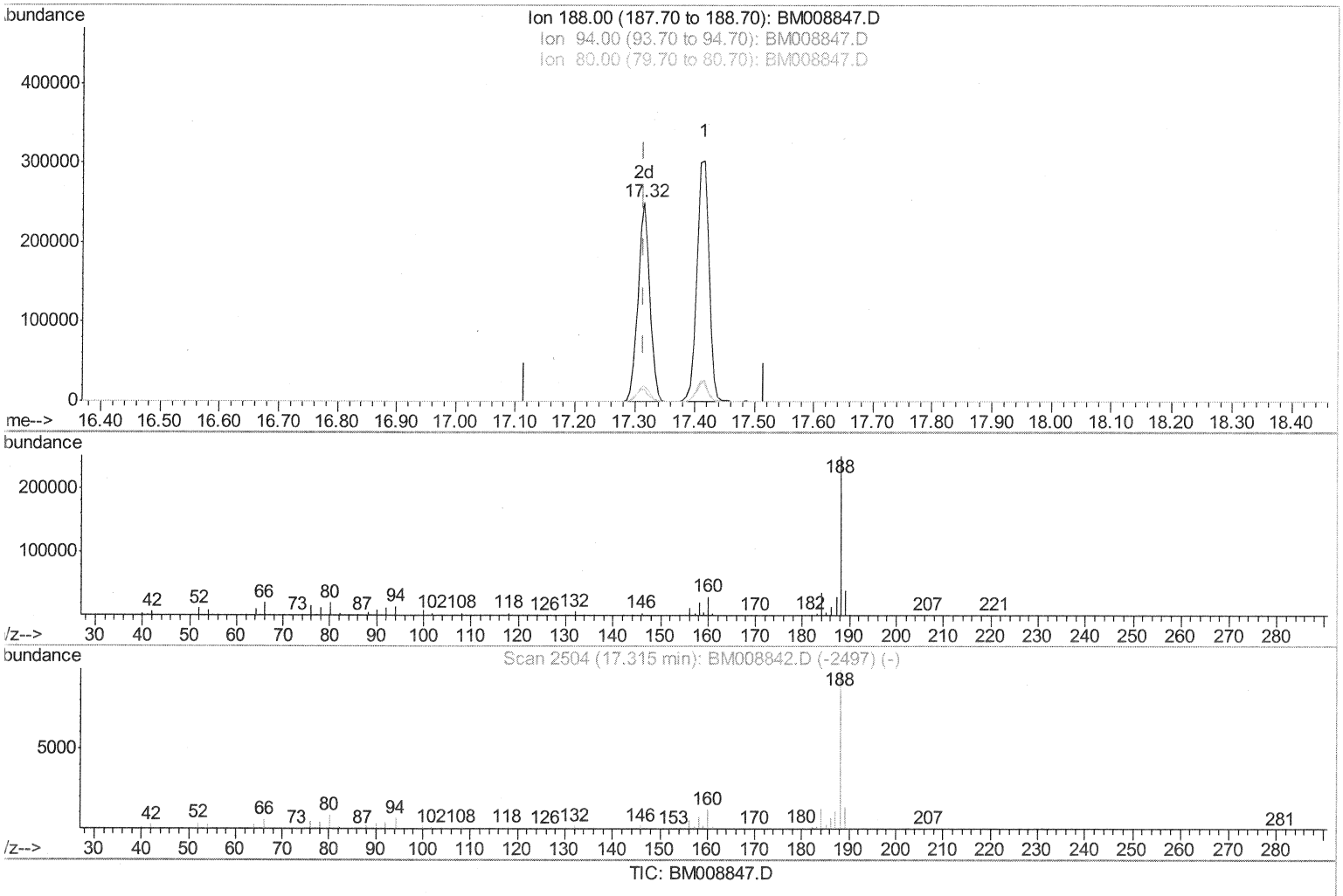
Quant Time: Jan 25 03:39:28 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 25 03:34:06 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BDN28

**Manual Integrations APPROVED**
mohammad
1/25/2017 3:46:11 PM




(61) Phenanthrene-d10 (I)

17.315min (-0.000) 20.00ng/ul m SJ 1/12/17

response 348756

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 8.00 | 5.86# |
| 80.00 | 9.50 | 8.20 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012417\
Data File : BM008847.D
Acq On : 24 Jan 2017 20:27
Operator : UM/SJ
Sample : I1315-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 03:51:02 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 25 03:34:06 2017
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** BDN28

**Manual Integrations APPROVED**
mohammad
1/25/2017 3:46:11 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.93 | 152 | 52916 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.74 | 136 | 208508 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.57 | 164 | 157482 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.32 | 188 | 348756m | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.48 | 240 | 483079 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.84 | 264 | 453437 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.40 | 96 | 1234 | 1.15 | ng/uL | 0.01 |
| 5) Phenol-d5 | 7.08 | 99 | 81064 | 18.09 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.26 | 67 | 89528 | 25.13 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.46 | 132 | 52638 | 18.03 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.63 | 113 | 54925 | 15.65 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.10 | 128 | 31213 | 23.54 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.82 | 143 | 16964 | 10.52 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.35 | 165 | 55469 | 16.43 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.88 | 131 | 6452 | 1.76 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.97 | 166 | 96378 | 9.34 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.26 | 160 | 303372 | 24.85 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.74 | 143 | 3741 | 2.17 | ng/ul | -0.01 |
| 57) Fluorene-d10 | 15.56 | 176 | 246685 | 25.17 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.67 | 200 | 606 | 0.29 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.42 | 188 | 428843 | 28.12 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.70 | 212 | 544374 | 25.69 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.70 | 264 | 502231 | 26.15 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.11 | 94 | 10770 | 2.20 | ng/ul# | 48 |
| 44) Dimethylphthalate | 14.02 | 163 | 24978 | 2.42 | ng/ul# | 95 |

SJ 1/27/17

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