

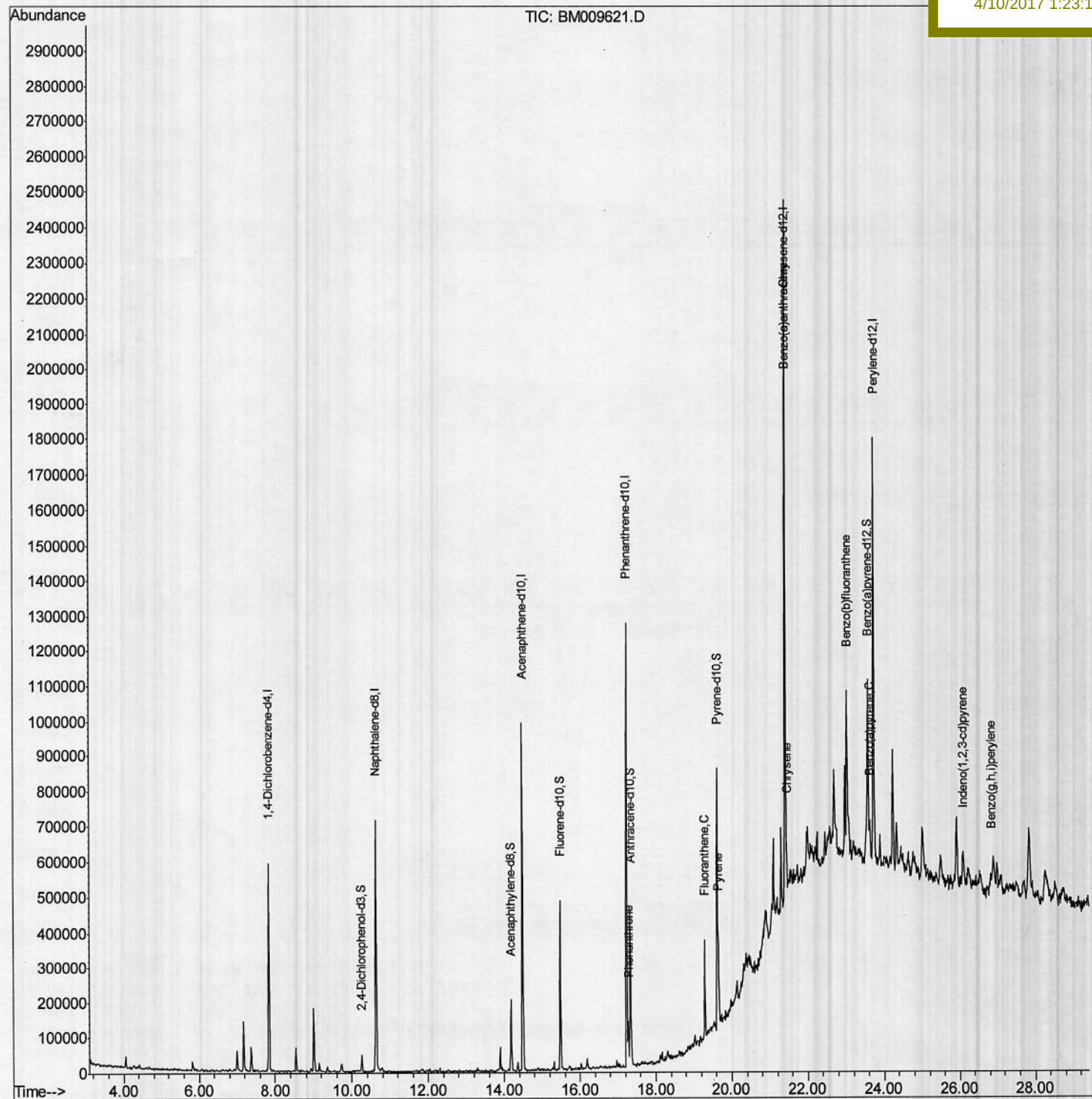
Data Path : Z:\HPCHEM1\BNA M\Data\BM040817\  
Data File : BM009621.D  
Acq On : 07 Apr 2017 10:26  
Operator : SJ/MA  
Sample : I2285-10  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 10 04:54:47 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 07 03:19:28 2017  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
CB334

Manual Integrations  
APPROVED

mohammad  
4/10/2017 1:23:14 PM



# Quantitation Report (Qedit)

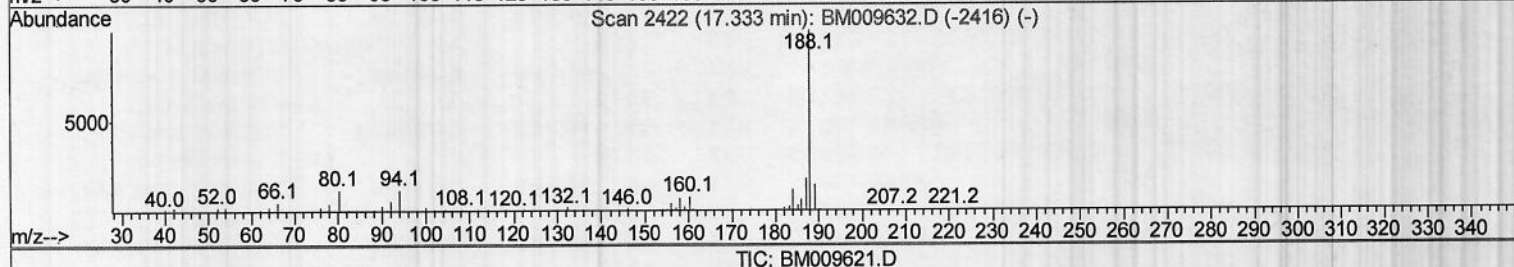
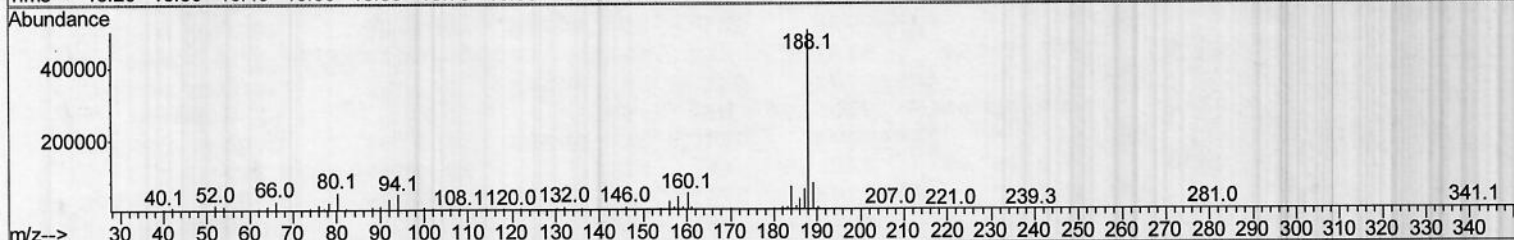
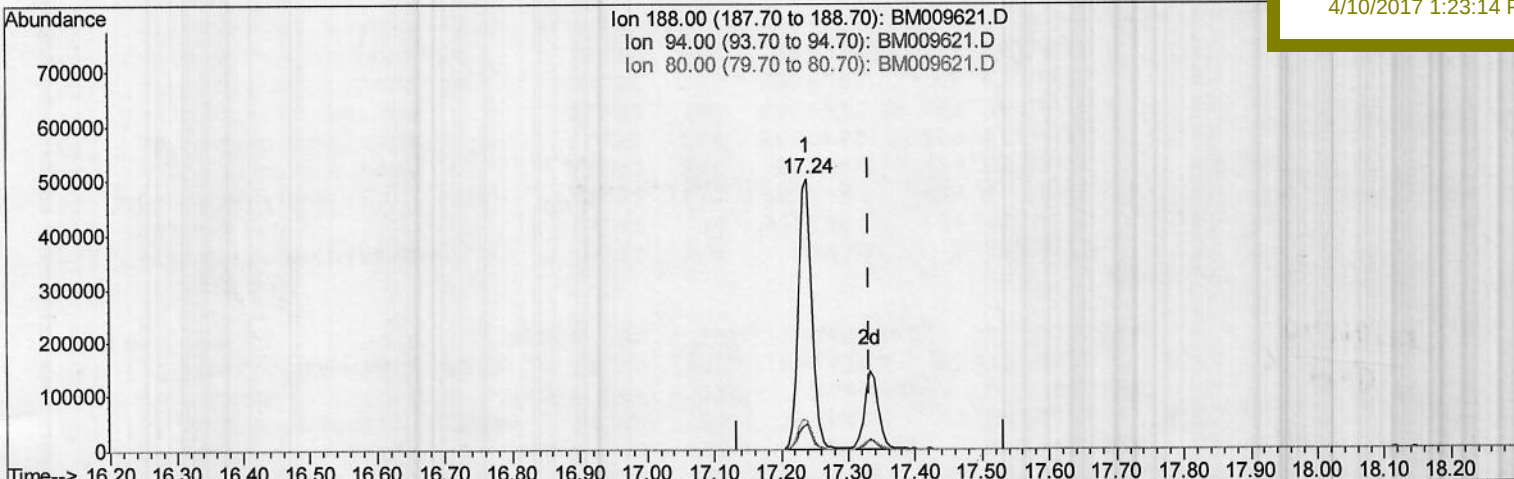
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Quant Time: Apr 07 11:39:31 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 07 03:19:28 2017  
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Manual Integrations  
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(15) Anthracene-d10 (S)  
 17.239min (-0.094) 20.90ng/ul  
 response 701122

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 188.00 | 100   | 100  |
| 94.00  | 10.40 | 8.92 |
| 80.00  | 9.10  | 9.99 |
| 0.00   | 0.00  | 0.00 |

# Quantitation Report (Qedit)

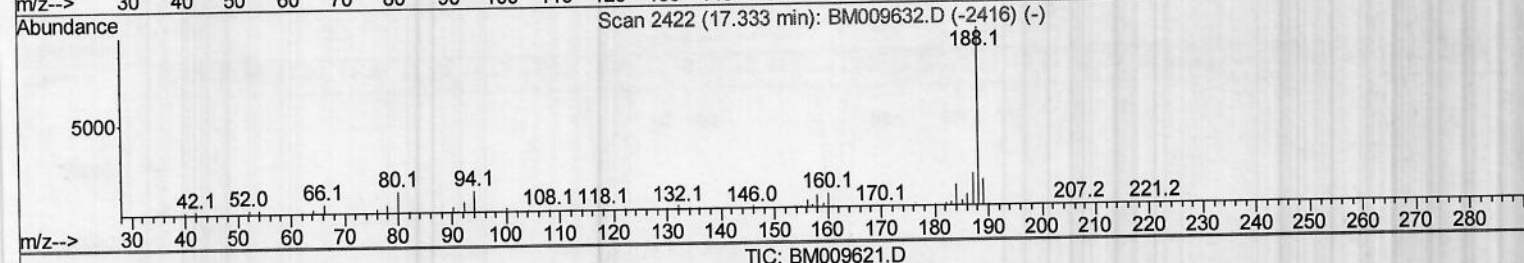
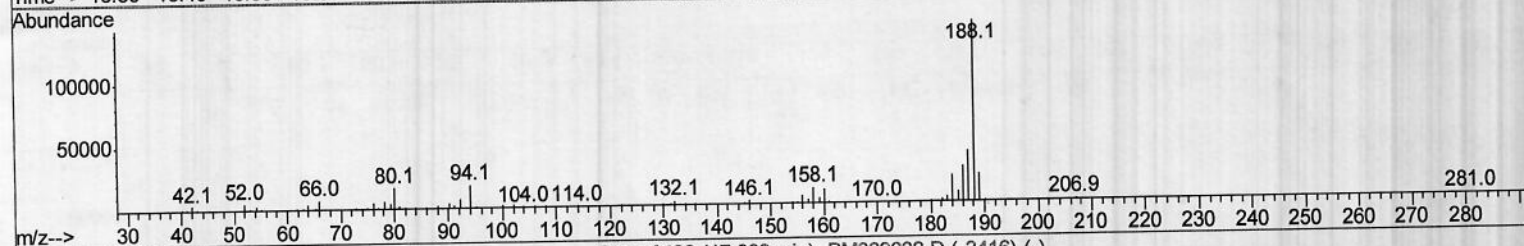
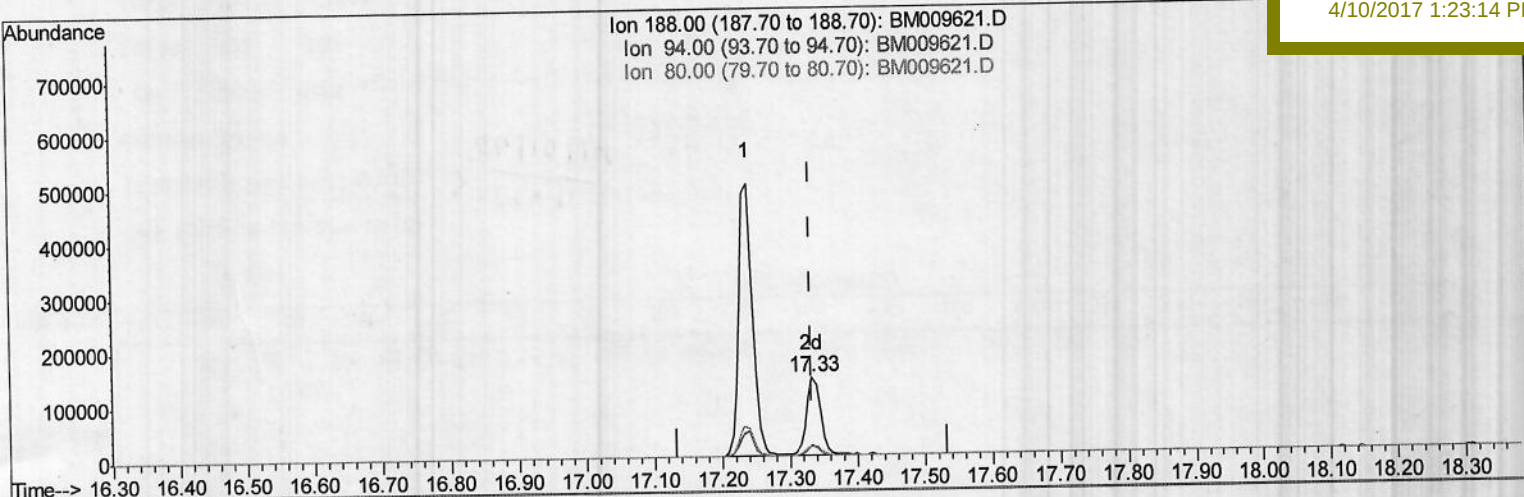
Data Path : Z:\HPCHEM1\BNA M\Data\BM040817\  
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 Acq On : 07 Apr 2017 10:26  
 Operator : SJ/MA  
 Sample : I2285-10  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 CB334

Quant Time: Apr 07 11:39:31 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M  
 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration

**Manual Integrations**  
**APPROVED**

mohammad  
 4/10/2017 1:23:14 PM



(15) Anthracene-d10 (S)

17.333min (+0.000) 6.19ng/ul m

response 207626

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 10.40 | 12.74# |
| 80.00  | 9.10  | 11.64# |
| 0.00   | 0.00  | 0.00   |

SS  
 04/10/2017

Data Path : Z:\HPCHEM1\BNA M\Data\BM040817\  
 Data File : BM009621.D  
 Acq On : 07 Apr 2017 10:26  
 Operator : SJ/MA  
 Sample : I2285-10  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB334

Manual Integrations  
 APPROVED

mohammad  
 4/10/2017 1:23:14 PM

Quant Time: Apr 10 04:54:47 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 07 03:19:28 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 136711   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.64 | 136  | 530429   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.49 | 164  | 297448   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.24 | 188  | 701122   | 20.00 | ng/ul | 0.00     |
| 18) Chrysene-d12          | 21.42 | 240  | 924254   | 20.00 | ng/ul | 0.00     |
| 23) Perylene-d12          | 23.74 | 264  | 901875   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |      |       |      |
|--------------------------|-------|-----|---------|------|-------|------|
| 3) 2,4-Dichlorophenol-d3 | 10.26 | 165 | 14731   | 1.81 | ng/uL | 0.00 |
| 7) Acenaphthylene-d8     | 14.18 | 160 | 133719  | 4.59 | ng/ul | 0.00 |
| 10) Fluorene-d10         | 15.48 | 176 | 167595  | 7.99 | ng/ul | 0.00 |
| 15) Anthracene-d10       | 17.33 | 188 | 207626m | 6.19 | ng/ul | 0.00 |
| 19) Pvrene-d10           | 19.63 | 212 | 332319  | 8.75 | ng/ul | 0.00 |
| 26) Benzo(a)pyrene-d12   | 23.60 | 264 | 292978  | 7.36 | ng/ul | 0.00 |

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 04/10/2017

## Target Compounds

|                            |       |     |        |      |        | Qvalue |
|----------------------------|-------|-----|--------|------|--------|--------|
| 14) Phenanthrene           | 17.28 | 178 | 63502  | 1.61 | ng/ul  | 93     |
| 17) Fluoranthene           | 19.29 | 202 | 152002 | 3.10 | ng/ul  | 96     |
| 20) Pyrene                 | 19.66 | 202 | 136623 | 2.71 | ng/ul  | 96     |
| 21) Benzo(a)anthracene     | 21.40 | 228 | 84832  | 1.62 | ng/ul  | 97     |
| 22) Chrysene               | 21.45 | 228 | 84812  | 1.77 | ng/ul  | 97     |
| 24) Benzo(b)fluoranthene   | 23.04 | 252 | 124214 | 2.23 | ng/ul# | 94     |
| 27) Benzo(a)pyrene         | 23.64 | 252 | 74946  | 1.41 | ng/ul  | 95     |
| 28) Indeno(1,2,3-cd)pyrene | 26.10 | 276 | 60195  | 1.01 | ng/ul  | 96     |
| 30) Benzo(g,h,i)perylene   | 26.83 | 276 | 56205  | 1.15 | ng/ul  | 91     |

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