

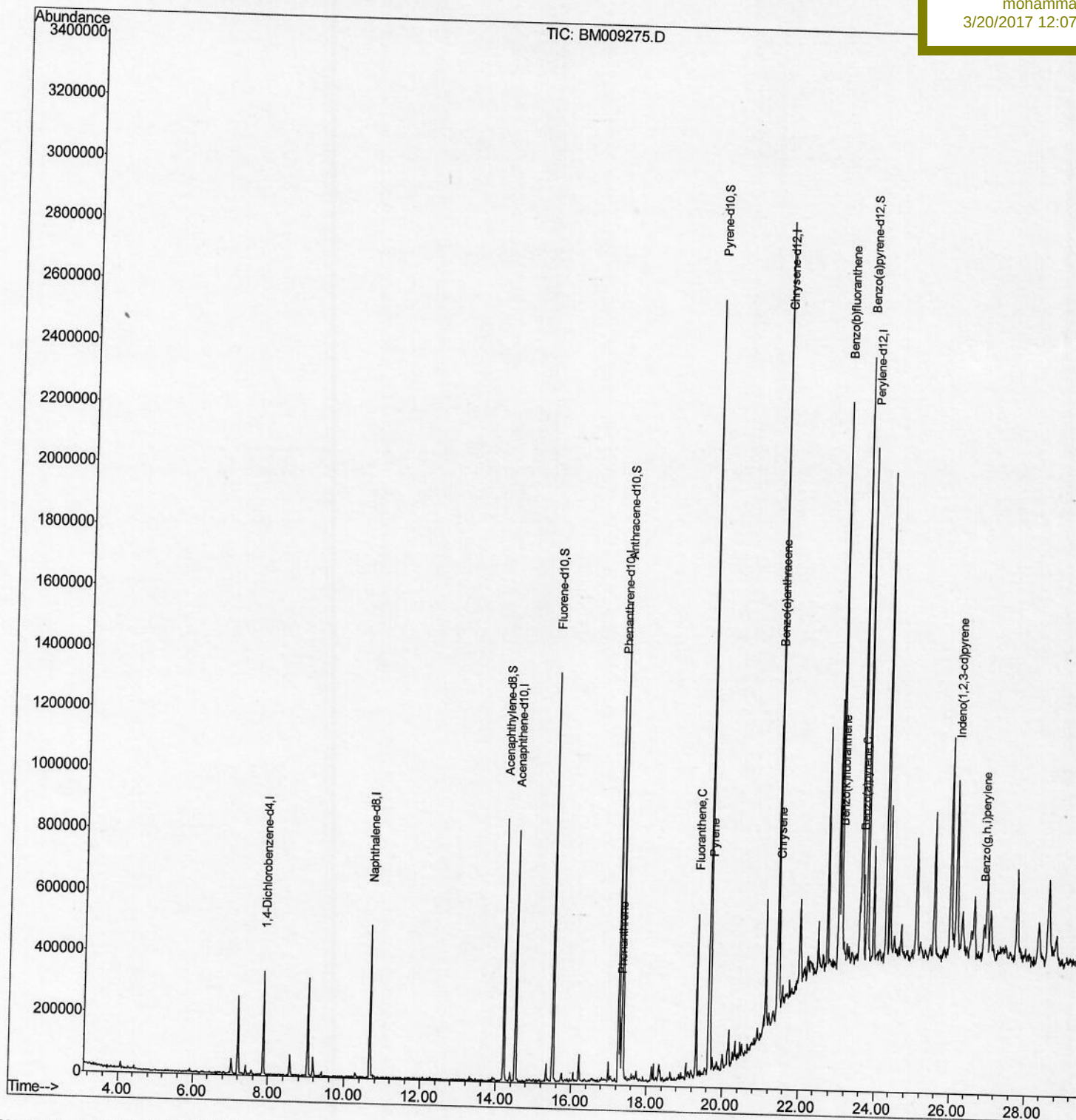
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\  
Data File : BM009275.D  
Acq On : 17 Mar 2017 15:49  
Operator : SJ/MA  
Sample : I2218-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 18 00:49:18 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Mar 18 00:39:50 2017  
Response via : Initial Calibration

Instrument :  
BNA\_M  
Client Sampled :  
CX924

Manual Integrations  
APPROVED

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# Quantitation Report (Qedit)

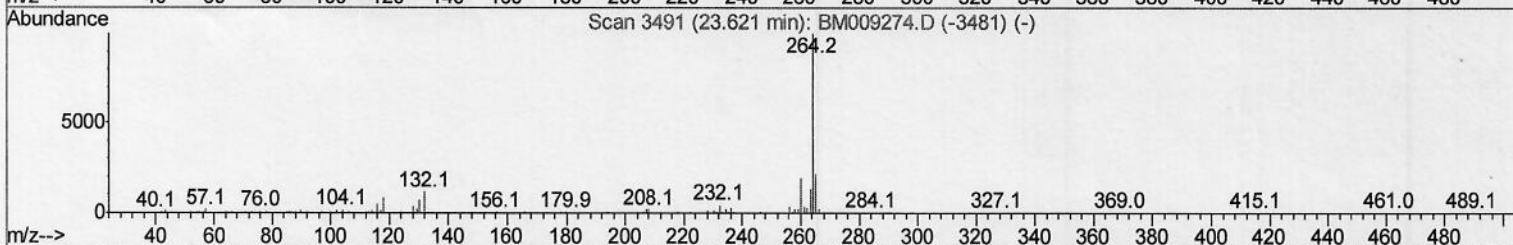
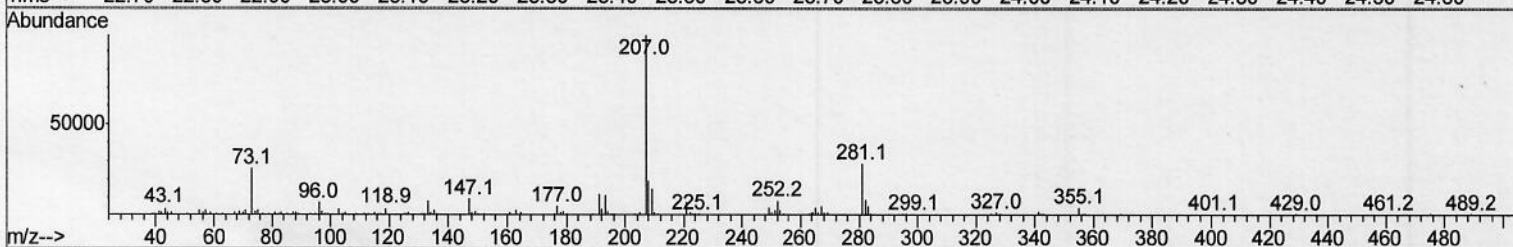
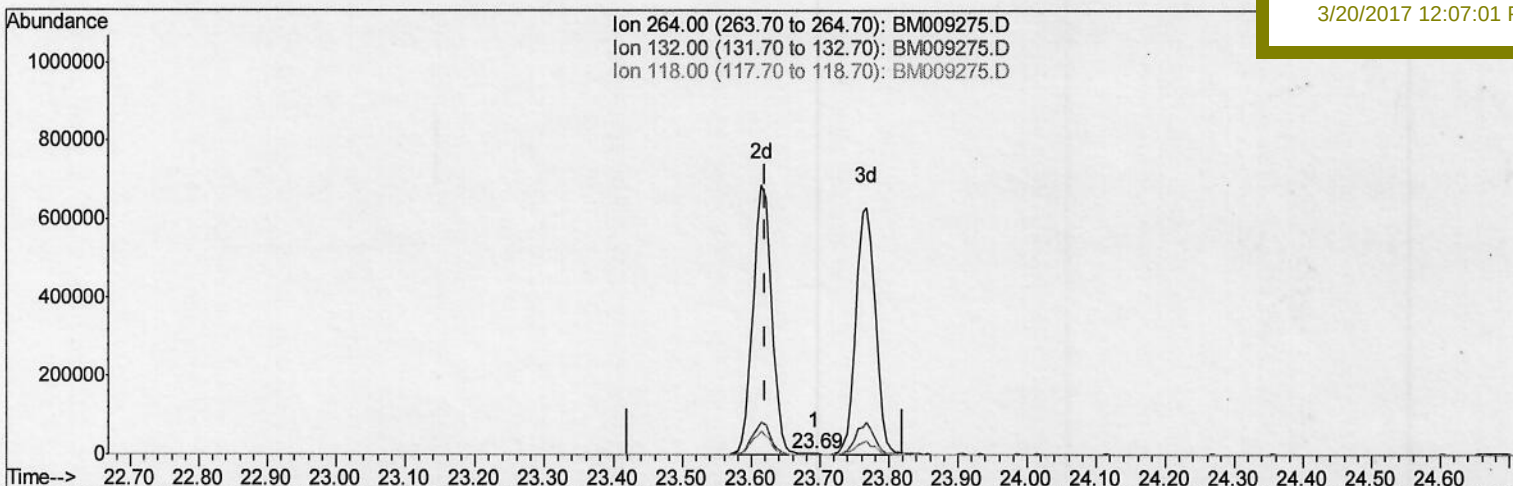
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\  
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 Acq On : 17 Mar 2017 15:49  
 Operator : SJ/MA  
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Quant Time: Mar 18 00:39:53 2017  
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Manual Integrations  
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TIC: BM009275.D

(26) Benzo(a)pyrene-d12 (S)

23.692min (+0.071) 0.04ng/ul

response 2363

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 100   |
| 132.00 | 19.40 | 20.23 |
| 118.00 | 11.90 | 11.45 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

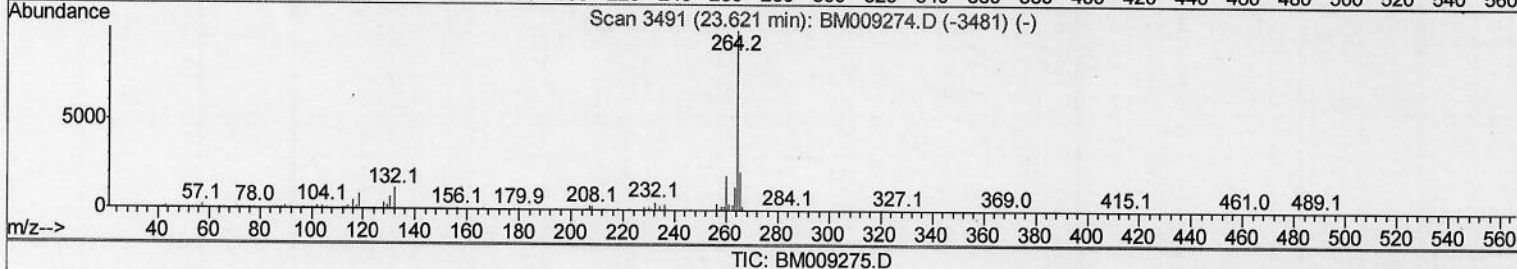
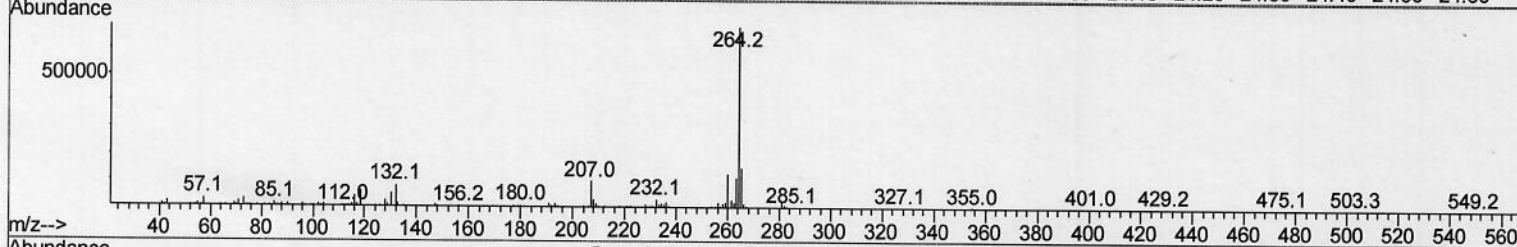
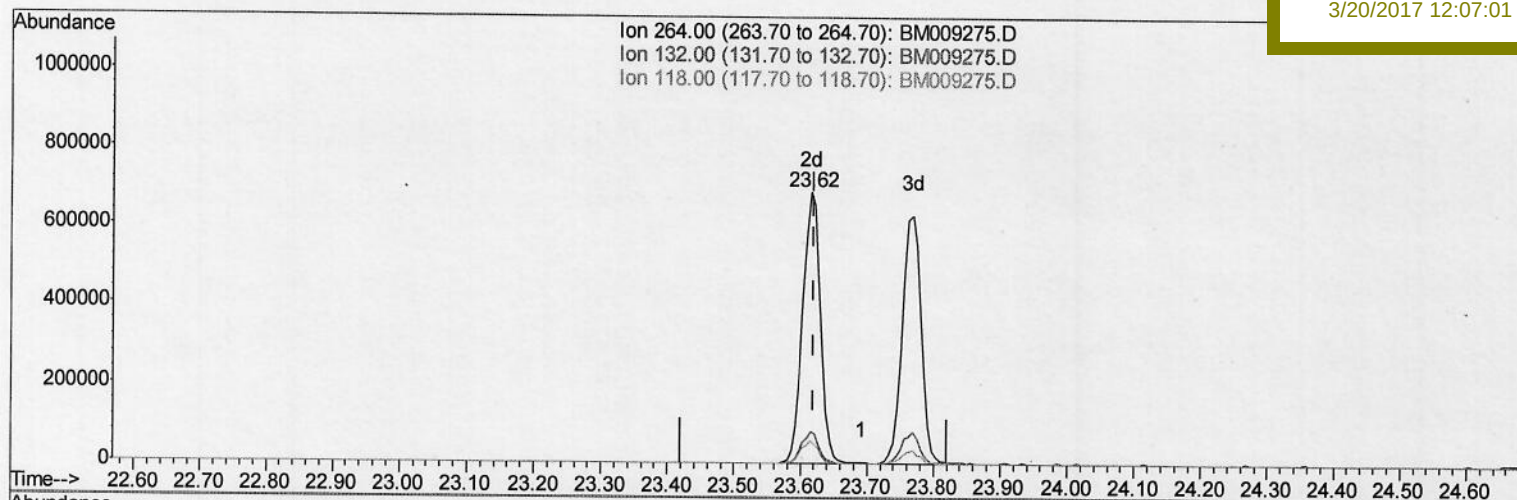
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\  
 Data File : BM009275.D  
 Acq On : 17 Mar 2017 15:49  
 Operator : SJ/MA  
 Sample : I2218-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 18 00:39:53 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Mar 18 00:39:50 2017  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CX924

Manual Integrations  
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(26) Benzo(a)pyrene-d12 (S)

23.615min (-0.006) 22.73ng/ul m

SJ 03/20/17

response 1288627

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 132.00 | 19.40 | 12.02# |
| 118.00 | 11.90 | 8.69#  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

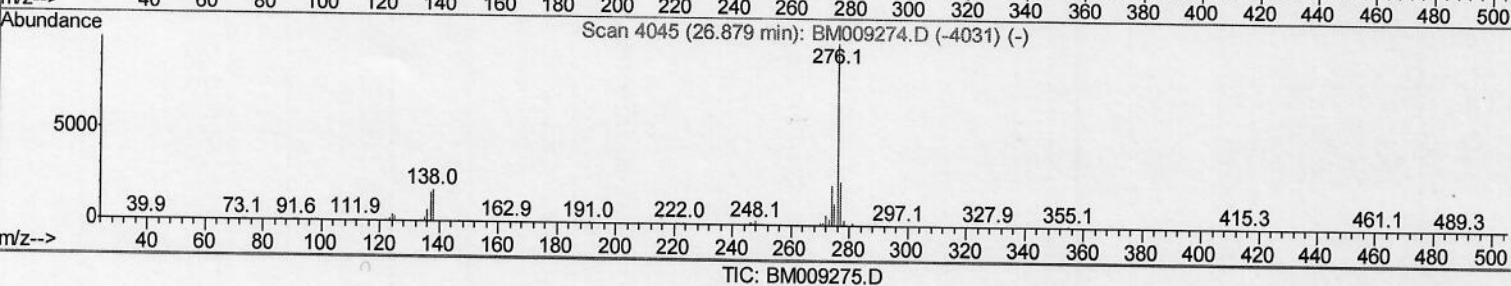
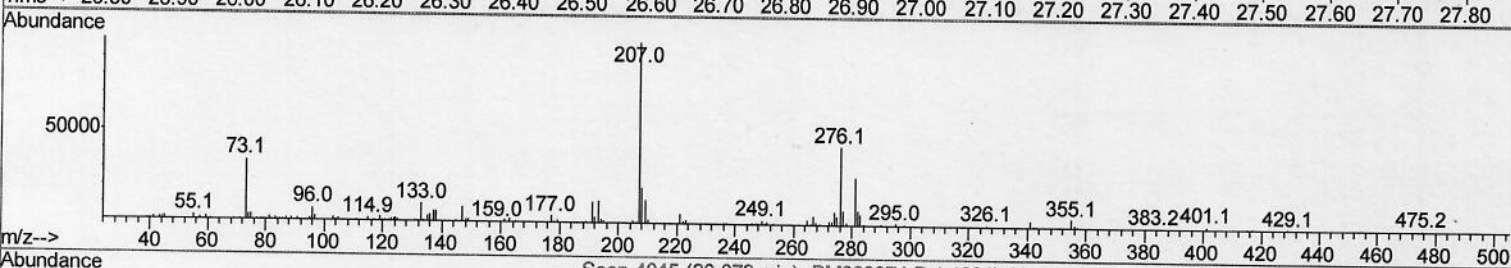
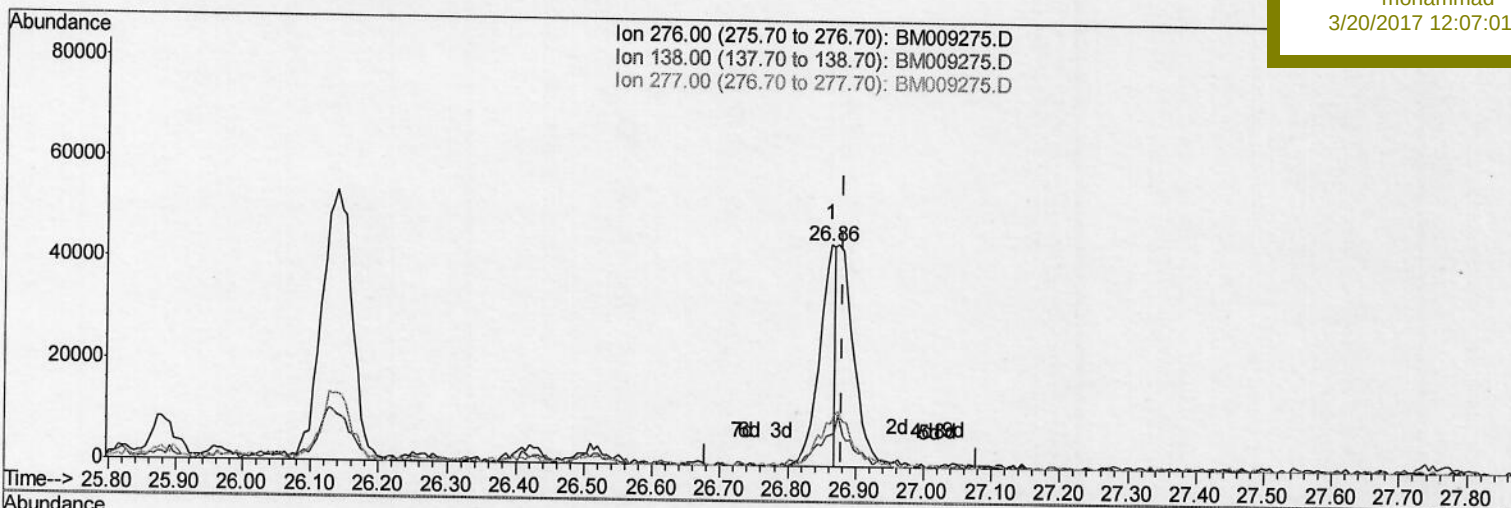
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\  
 Data File : BM009275.D  
 Acq On : 17 Mar 2017 15:49  
 Operator : SJ/MA  
 Sample : I2218-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 18 00:39:53 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Mar 18 00:39:50 2017  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CX924

Manual Integrations  
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(30) Benzo(g,h,i)perylene

26.862min (-0.018) 1.05ng/ul

response 73202

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 23.70 | 14.45# |
| 277.00 | 24.60 | 19.22# |
| 0.00   | 0.00  | 0.00   |



# Quantitation Report (Qedit)

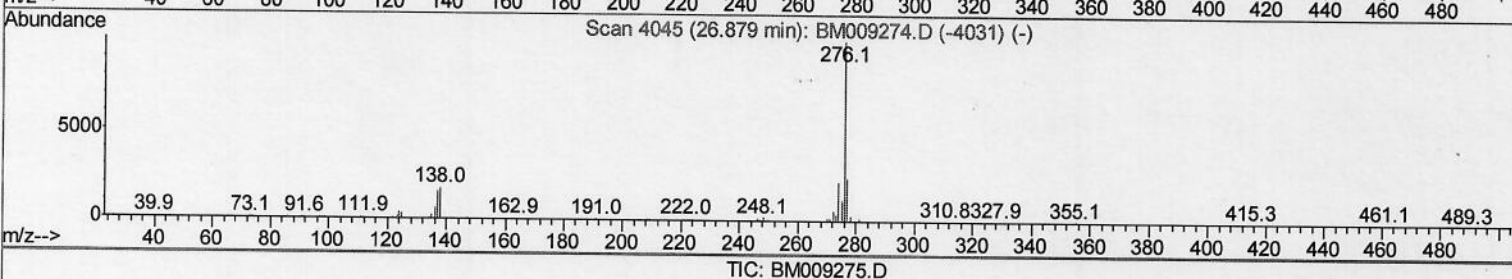
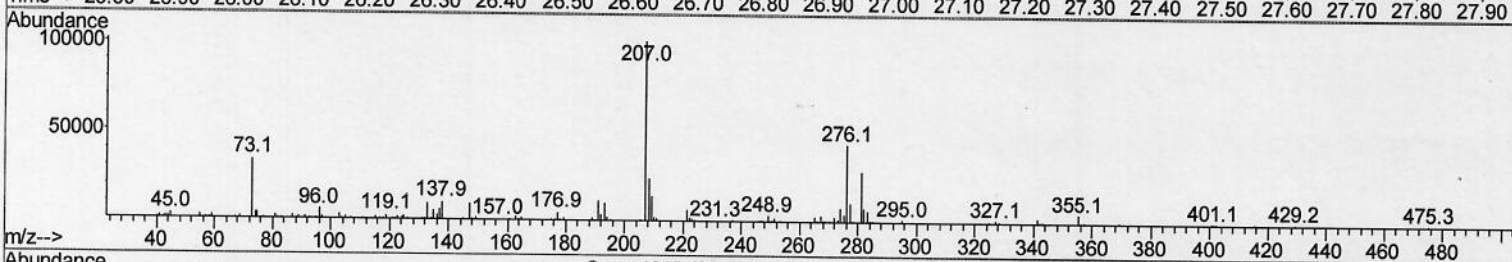
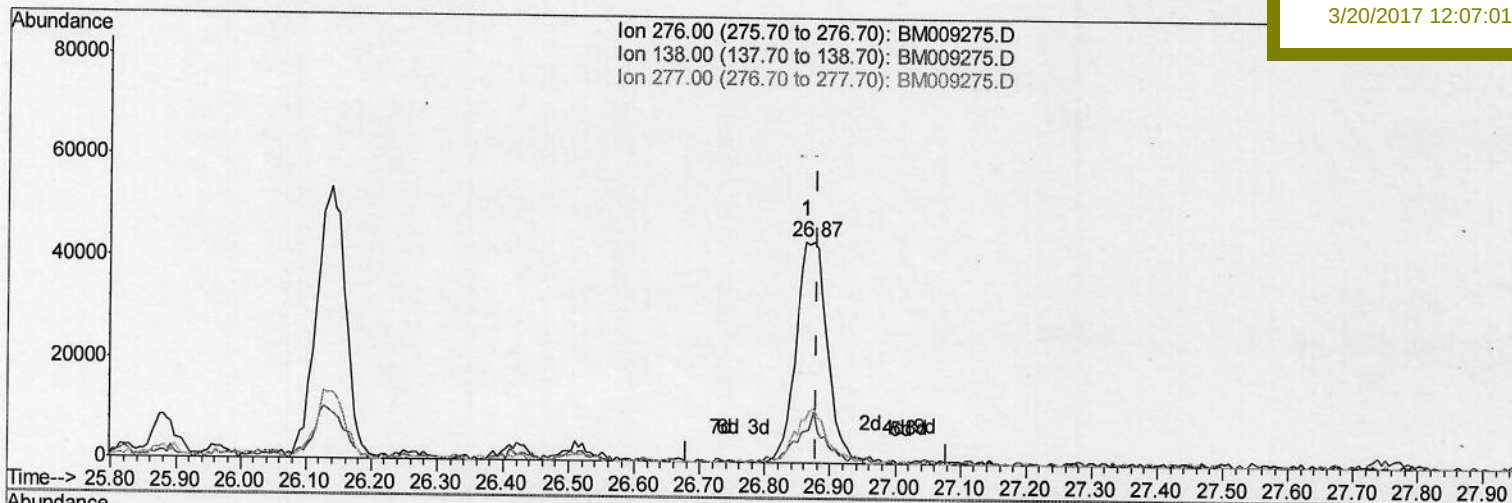
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\  
 Data File : BM009275.D  
 Acq On : 17 Mar 2017 15:49  
 Operator : SJ/MA  
 Sample : I2218-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 18 00:39:53 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Mar 18 00:39:50 2017  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CX924

Manual Integrations  
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(30) Benzo(g,h,i)perylene

26.874min (-0.006) 2.11ng/ul m SJ 03/20/17

response 147114

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 23.70 | 23.36 |
| 277.00 | 24.60 | 25.03 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

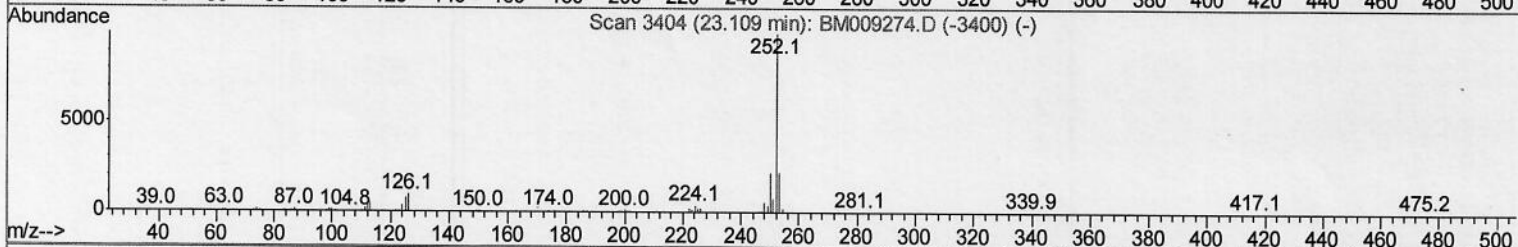
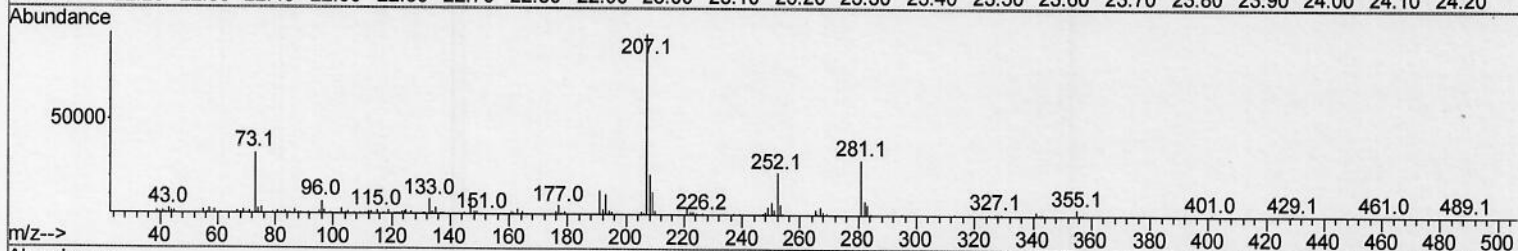
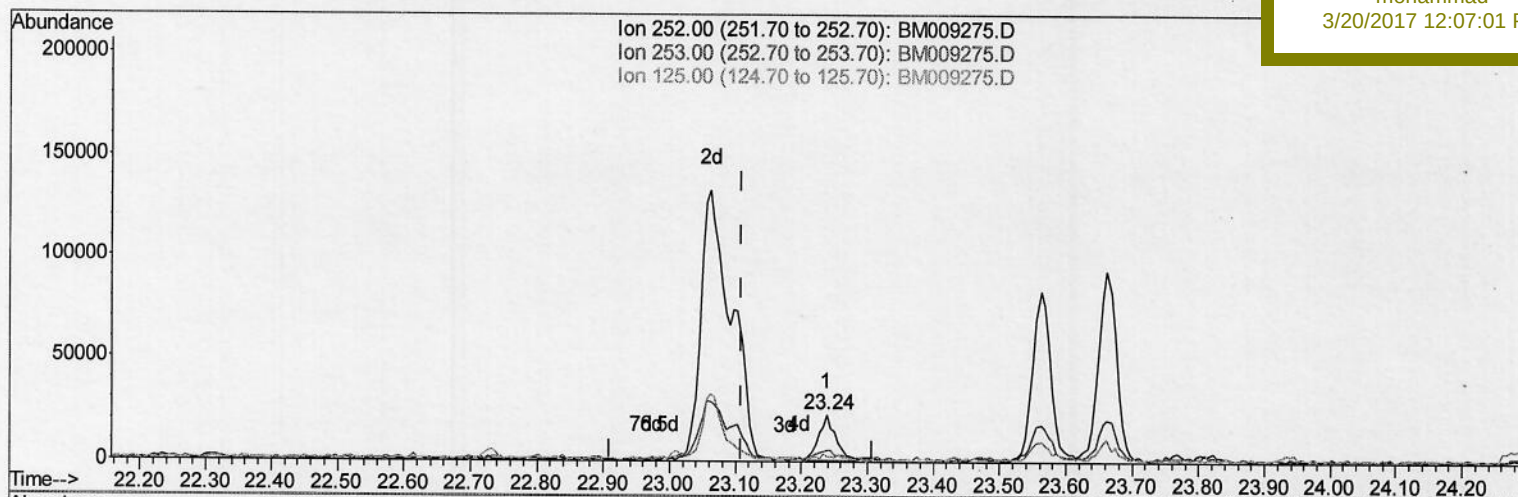
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\  
 Data File : BM009275.D  
 Acq On : 17 Mar 2017 15:49  
 Operator : SJ/MA  
 Sample : I2218-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 18 00:48:28 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Mar 18 00:39:50 2017  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CX924

Manual Integrations  
 APPROVED

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TIC: BM009275.D

(25) Benzo(k)fluoranthene

23.239min (+0.130) 0.56ng/ul

response 38507

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.80 | 24.29 |
| 125.00 | 11.00 | 9.86  |
| 0.00   | 0.00  | 0.00  |



## Quantitation Report (Qedit)

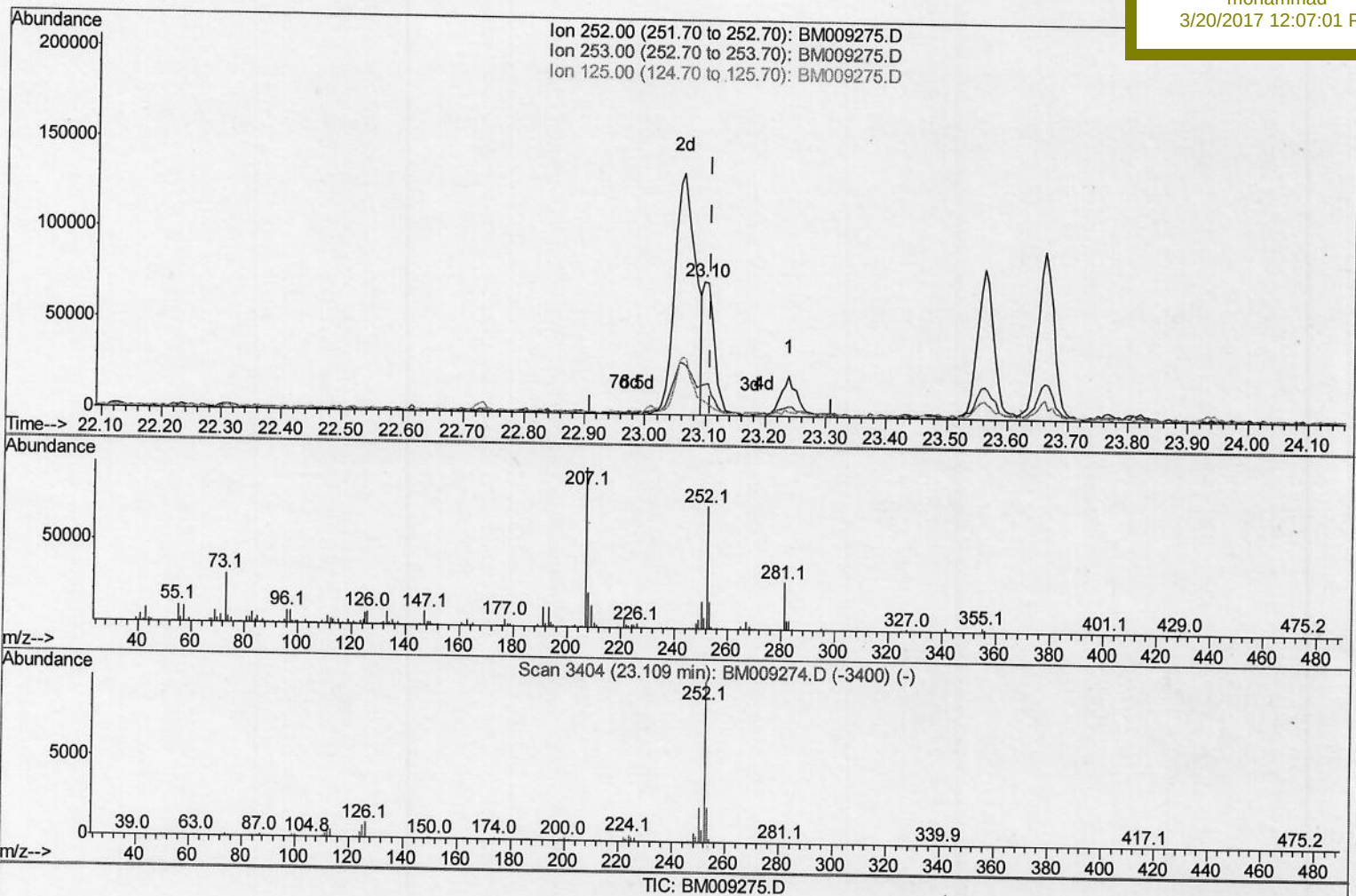
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\  
Data File : BM009275.D  
Acq On : 17 Mar 2017 15:49  
Operator : SJ/MA  
Sample : I2218-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 18 00:48:28 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Mar 18 00:39:50 2017  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampled :  
CX924

Manual Integrations  
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(25) Benzo(k)fluoranthene

23.097min (-0.012) 1.42ng/ul m 53 03/20/17

response 98651

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.80 | 22.76 |
| 125.00 | 11.00 | 10.27 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\  
 Data File : BM009275.D  
 Acq On : 17 Mar 2017 15:49  
 Operator : SJ/MA  
 Sample : I2218-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 Client Sample ID :  
 CX924

Manual Integrations  
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Quant Time: Mar 18 00:49:18 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Mar 18 00:39:50 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev (Min) |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.87  | 152  | 76703    | 20.00 | ng/ul  | 0.00      |
| 2) Naphthalene-d8           | 10.67 | 136  | 349250   | 20.00 | ng/ul  | 0.00      |
| 6) Acenaphthene-d10         | 14.52 | 164  | 246837   | 20.00 | ng/ul  | 0.00      |
| 12) Phenanthrene-d10        | 17.26 | 188  | 674406   | 20.00 | ng/ul  | 0.00      |
| 18) Chrysene-d12            | 21.43 | 240  | 1150210  | 20.00 | ng/ul  | 0.00      |
| 23) Perylene-d12            | 23.77 | 264  | 1247116  | 20.00 | ng/ul  | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 3) 2,4-Dichlorophenol-d3    | 10.29 | 165  | 5301     | 0.94  | ng/uL  | 0.00      |
| 7) Acenaphthylene-d8        | 14.21 | 160  | 532689   | 25.45 | ng/ul  | 0.00      |
| 10) Fluorene-d10            | 15.51 | 176  | 480065   | 26.17 | ng/ul  | 0.00      |
| 15) Anthracene-d10          | 17.36 | 188  | 846864   | 26.43 | ng/ul  | 0.00      |
| 19) Pyrene-d10              | 19.65 | 212  | 1146686  | 24.87 | ng/ul  | 0.00      |
| 26) Benzo(a)pyrene-d12      | 23.62 | 264  | 1288627m | 22.73 | ng/ul  | 0.00      |
| Target Compounds            |       |      |          |       |        |           |
| 14) Phenanthrene            | 17.30 | 178  | 111062   | 2.92  | ng/ul  | 97        |
| 17) Fluoranthene            | 19.32 | 202  | 294685   | 6.12  | ng/ul# | 97        |
| 20) Pyrene                  | 19.68 | 202  | 285399   | 4.81  | ng/ul# | 95        |
| 21) Benzo(a)anthracene      | 21.42 | 228  | 190669   | 2.91  | ng/ul  | 99        |
| 22) Chrysene                | 21.47 | 228  | 205952   | 3.33  | ng/ul  | 96        |
| 24) Benzo(b)fluoranthene    | 23.06 | 252  | 318438   | 4.34  | ng/ul# | 88        |
| 25) Benzo(k)fluoranthene    | 23.10 | 252  | 98651m   | 1.42  | ng/ul  |           |
| 27) Benzo(a)pyrene          | 23.66 | 252  | 173446   | 2.46  | ng/ul  | 99        |
| 28) Indeno(1,2,3-cd)pyrene  | 26.14 | 276  | 161676   | 1.93  | ng/ul# | 94        |
| 30) Benzo(g,h,i)perylene    | 26.87 | 276  | 147114m  | 2.11  | ng/ul  |           |

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