

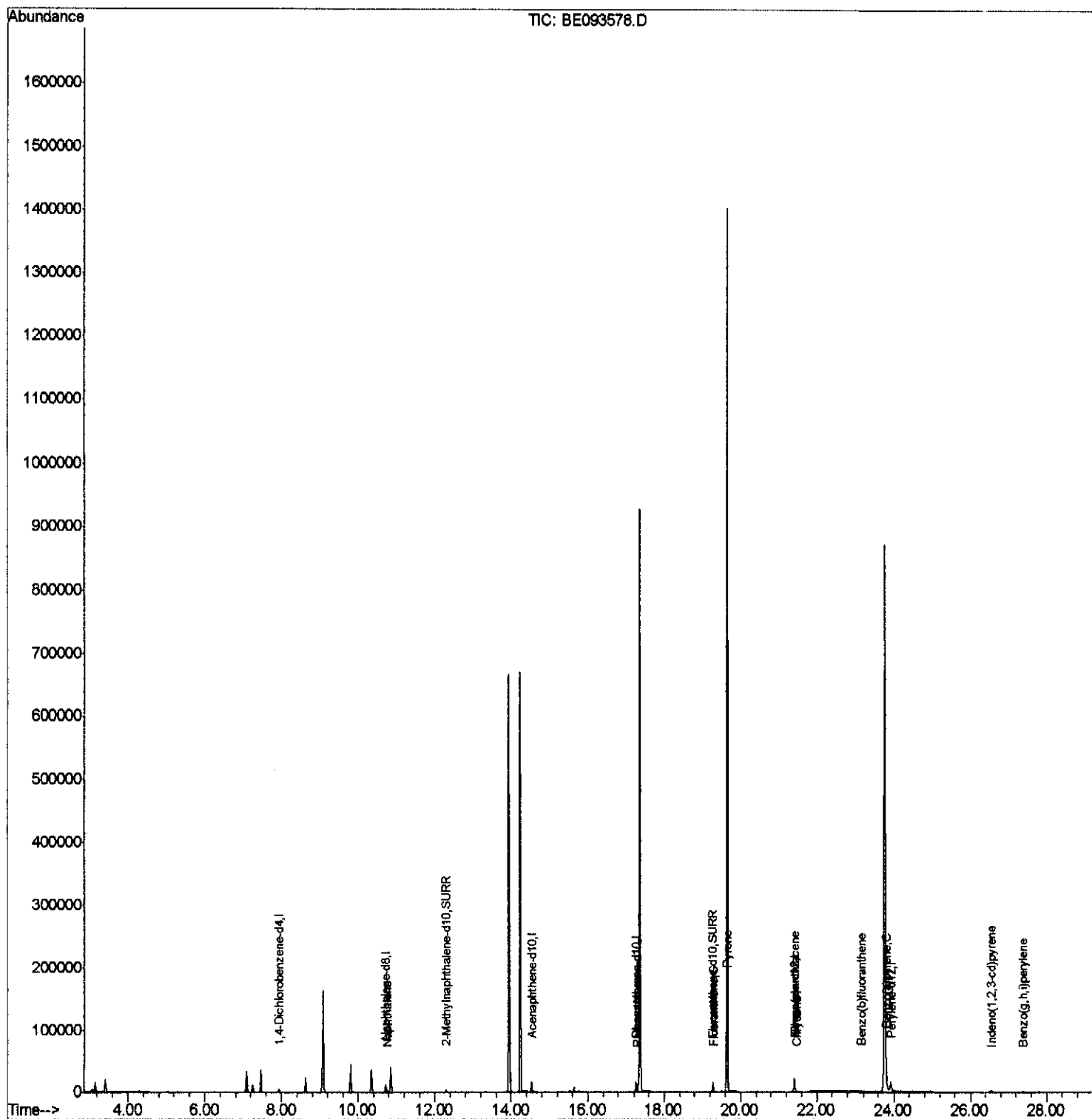
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE072517\  
Data File : BE093578.D  
Acq On : 25 Jul 2017 15:35  
Operator : SJ/JU  
Sample : I4209-15  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0B18

Manual Integrations  
APPROVED

Sohil  
7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:09:42 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 25 18:00:47 2017  
Response via : Initial Calibration



# Quantitation Report (Qedit)

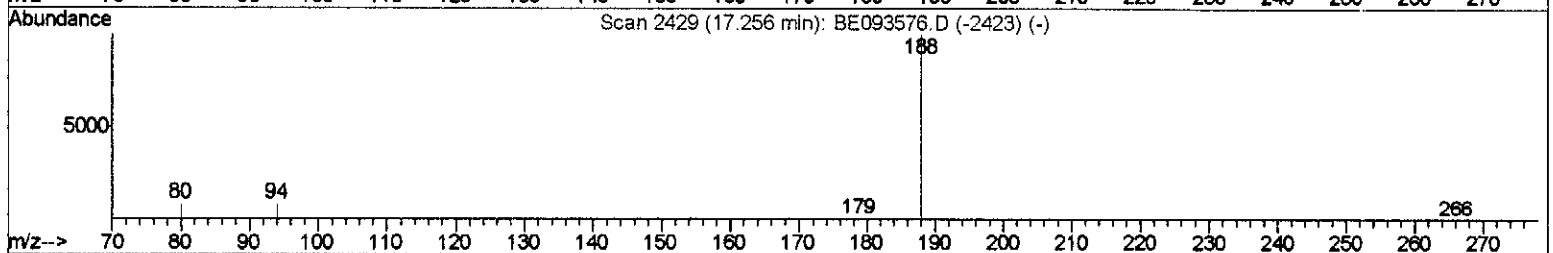
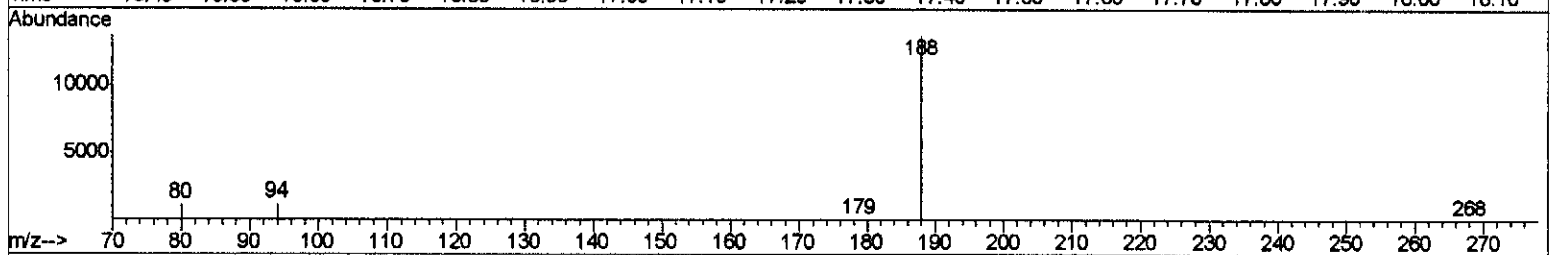
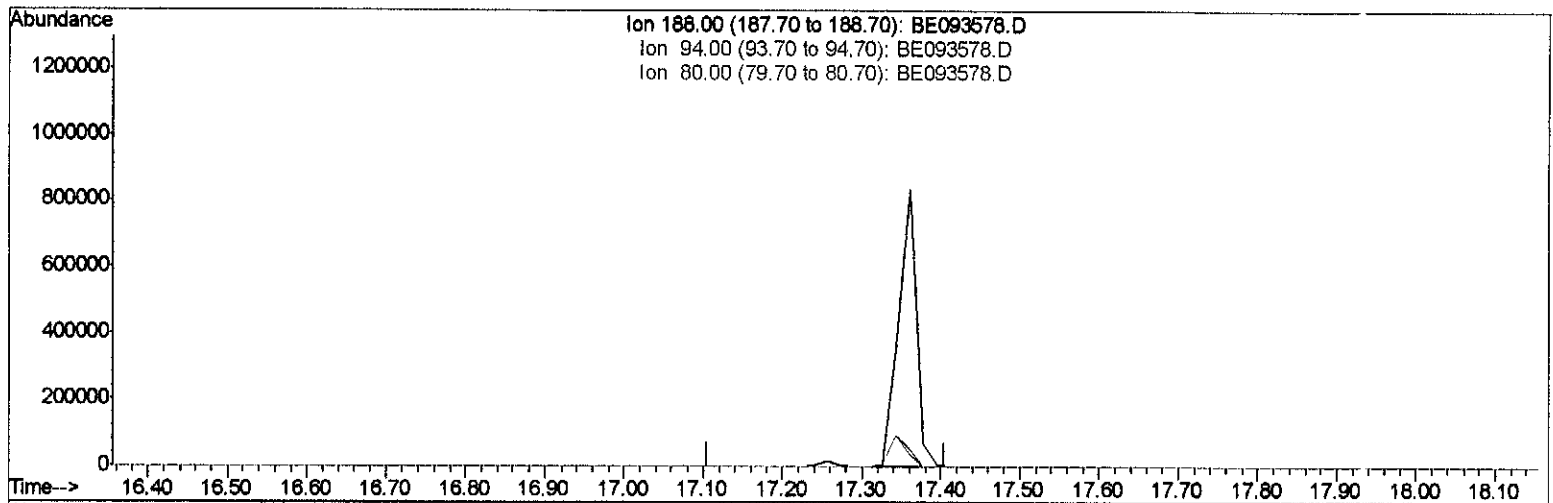
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE072517\  
 Data File : BE093578.D  
 Acq On : 25 Jul 2017 15:35  
 Operator : SJ/JU  
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 Misc :  
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Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0B18

Manual Integrations  
 APPROVED

Sohil  
 7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:06:17 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 18:00:47 2017  
 Response via : Initial Calibration



TIC: BE093578.D

(10) Phenanthrene-d10 (I)  
 17.256min (-17.256) 0.00ng/ul  
 response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 0.00  |
| 94.00  | 11.00 | 0.00# |
| 80.00  | 11.80 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

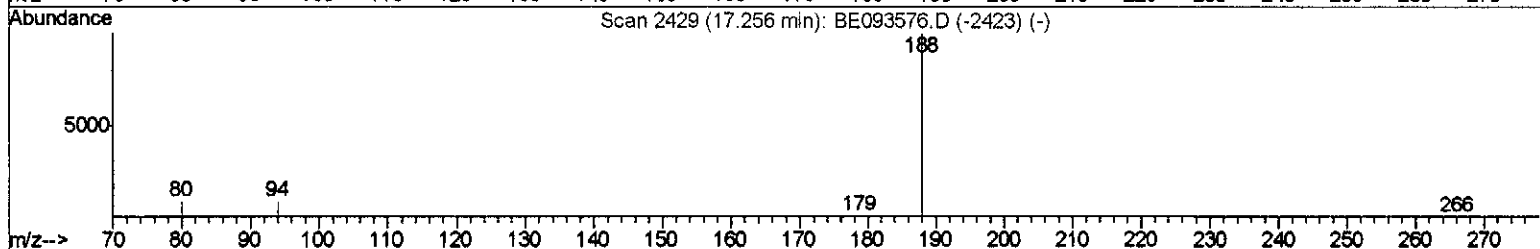
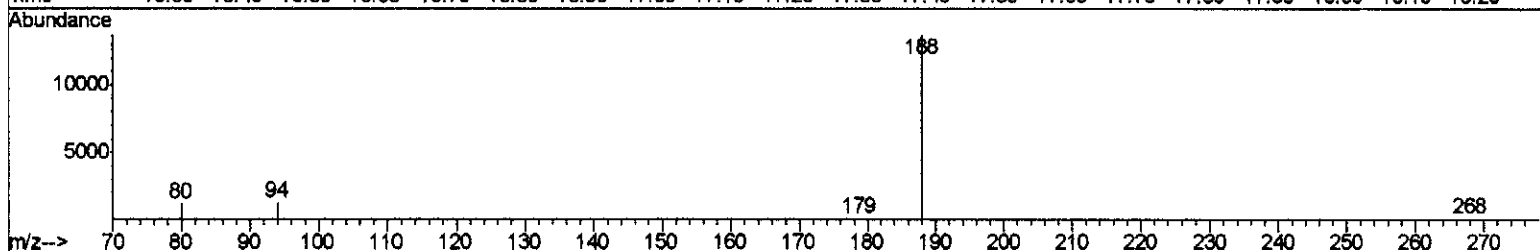
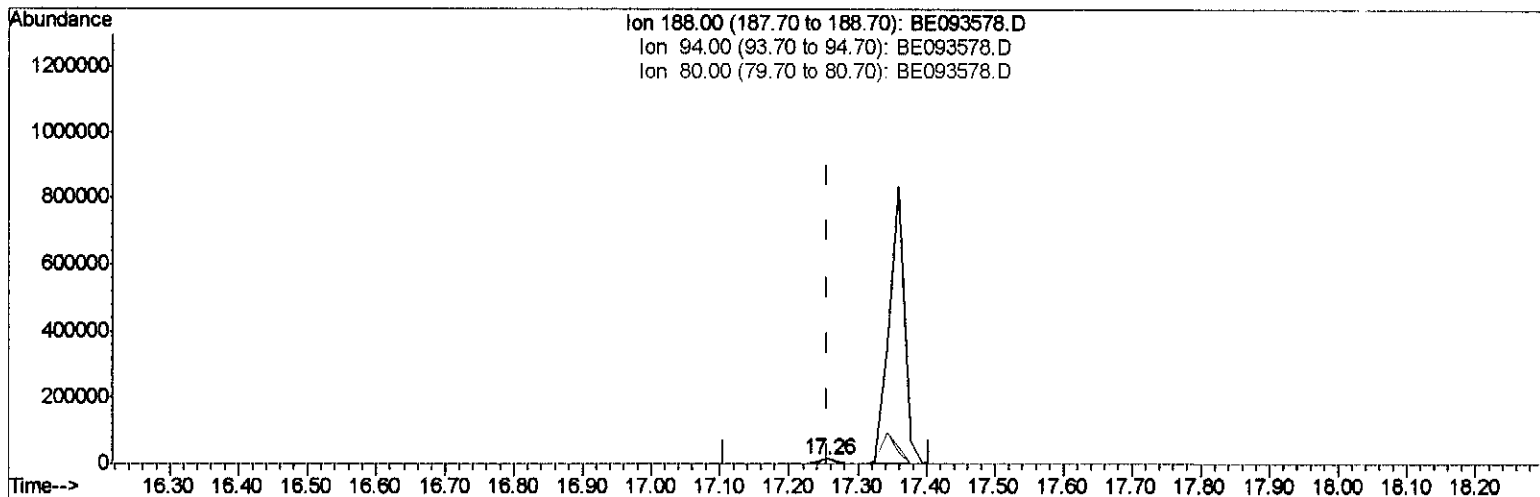
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE072517\  
 Data File : BE093578.D  
 Acq On : 25 Jul 2017 15:35  
 Operator : SJ/JU  
 Sample : I4209-15  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0B18

Manual Integrations  
 APPROVED

Sohil  
 7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:06:17 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 18:00:47 2017  
 Response via : Initial Calibration



TIC: BE093578.D

(10) Phenanthrene-d10 (I)

17.256min (-0.000) 0.40ng/ul m

response 19915

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 8.64# |
| 80.00  | 11.80 | 8.43# |
| 0.00   | 0.00  | 0.00  |

SJ  
 8/8/17

# Quantitation Report (Qedit)

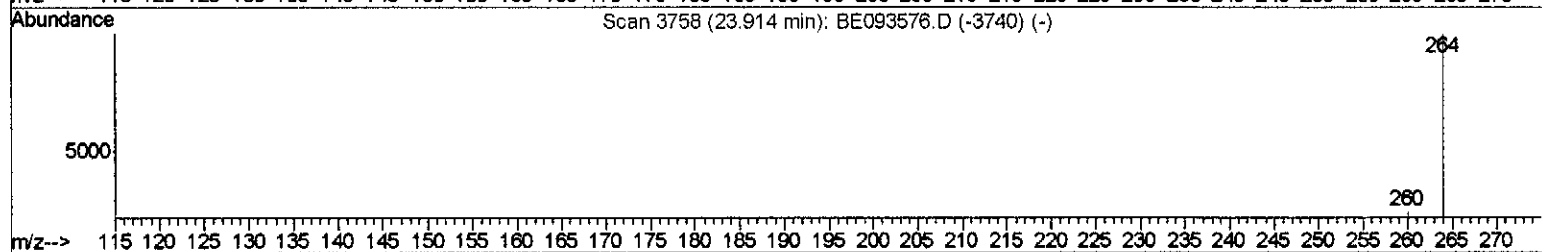
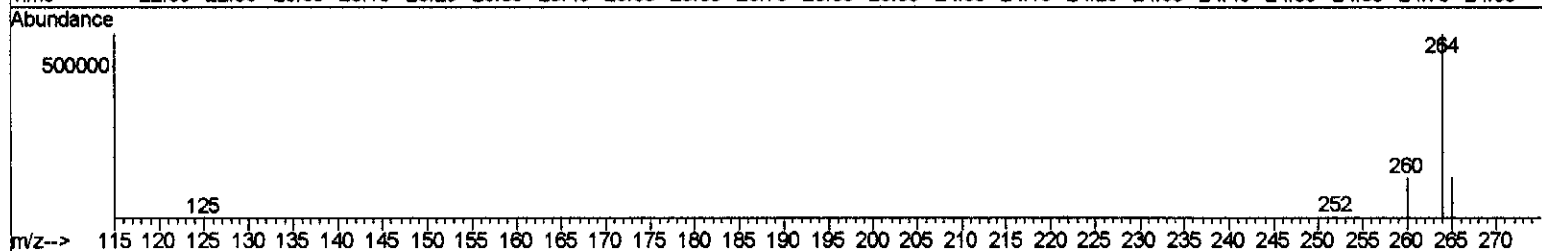
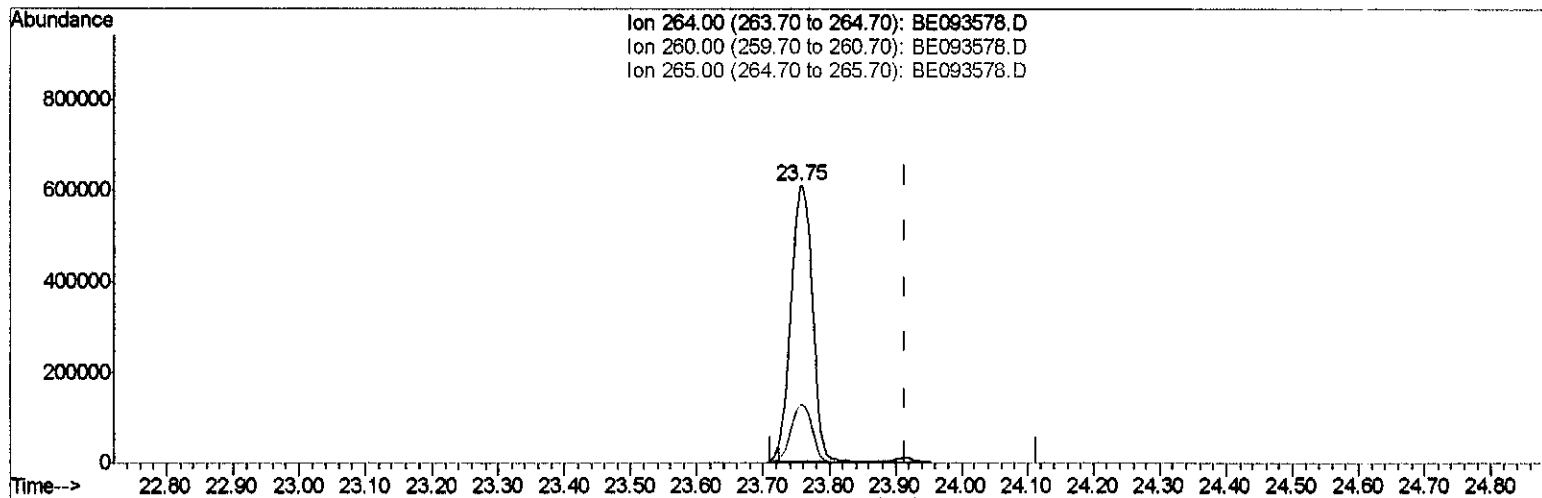
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE072517\  
 Data File : BE093578.D  
 Acq On : 25 Jul 2017 15:35  
 Operator : SJ/JU  
 Sample : I4209-15  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0B18

Manual Integrations  
 APPROVED

Sohil  
 7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:07:20 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 18:00:47 2017  
 Response via : Initial Calibration



TIC: BE093578.D

(20) Perylene-d12 (I)

23.755min (-0.159) 0.40ng/ul

response 1357467

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 21.20# |
| 265.00 | 103.50 | 21.39# |
| 0.00   | 0.00   | 0.00   |

## Quantitation Report (Qedit)

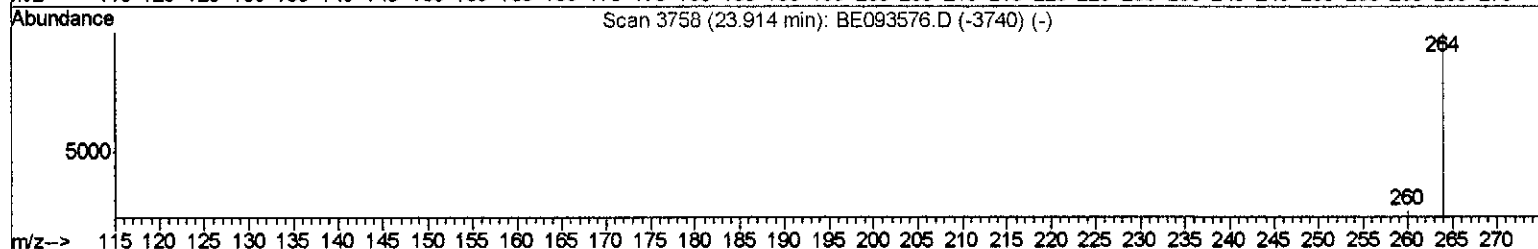
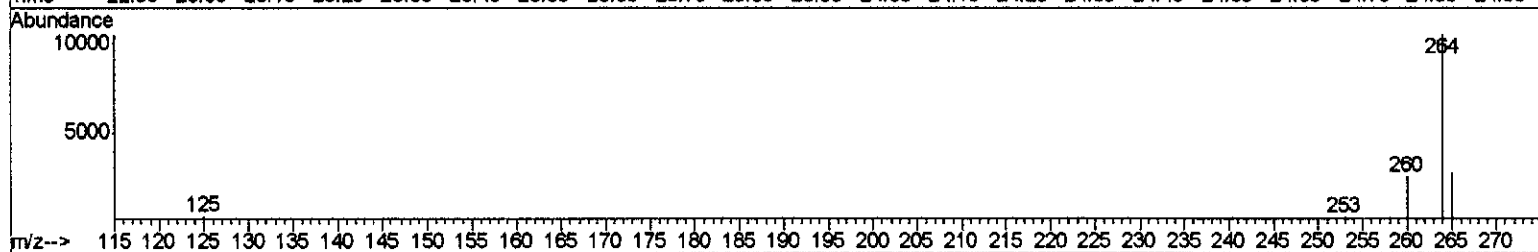
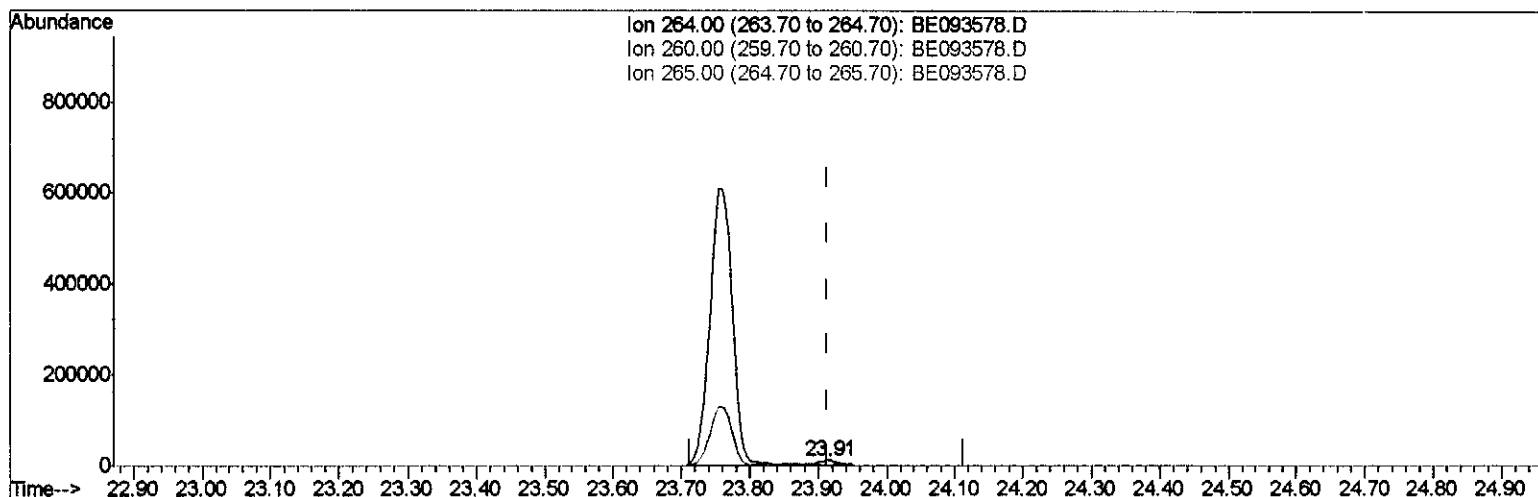
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE072517\  
Data File : BE093578.D  
Acq On : 25 Jul 2017 15:35  
Operator : SJ/JU  
Sample : I4209-15  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0B18

Manual Integrations  
APPROVED

Sohil  
7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:07:20 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 25 18:00:47 2017  
Response via : Initial Calibration



TIC: BE093578.D

(20) Perylene-d12 (I)

23.914min (+0.000) 0.40ng/ul m

response 17752

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 23.88# |
| 265.00 | 103.50 | 26.22# |
| 0.00   | 0.00   | 0.00   |

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8/8/17

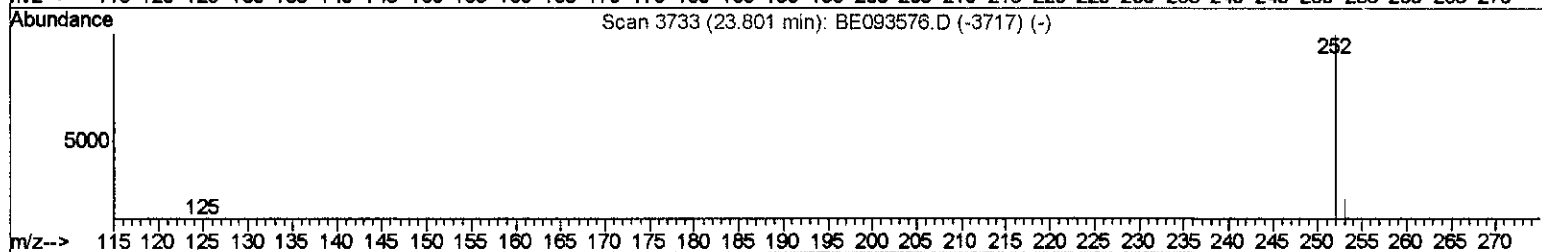
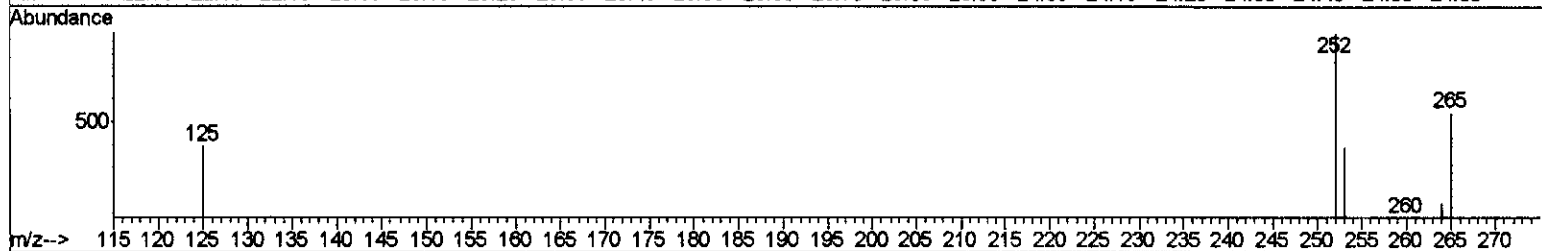
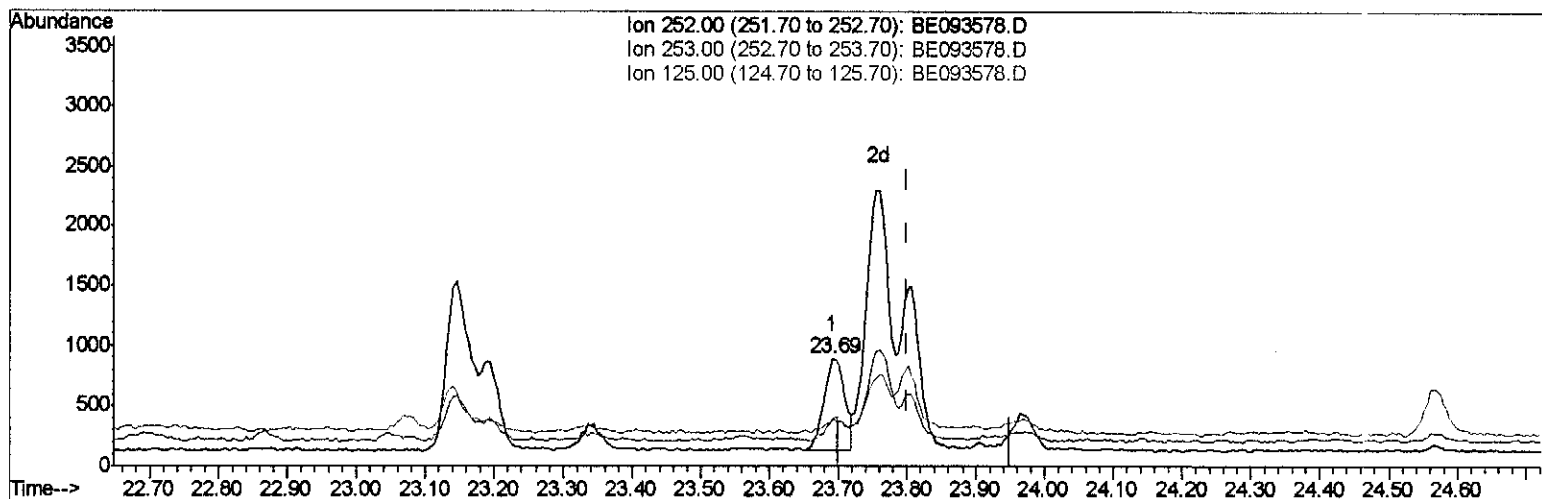
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE072517\  
Data File : BE093578.D  
Acq On : 25 Jul 2017 15:35  
Operator : SJ/JU  
Sample : I4209-15  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0B18

Manual Integrations  
APPROVED

Sohil  
7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:08:08 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 25 18:00:47 2017  
Response via : Initial Calibration



TIC: BE093578.D

(23) Benzo(a)pyrene (C)

23.691min (-0.109) 0.03ng/ul

response 1608

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 43.27# |
| 125.00 | 22.60 | 44.17# |
| 0.00   | 0.00  | 0.00   |

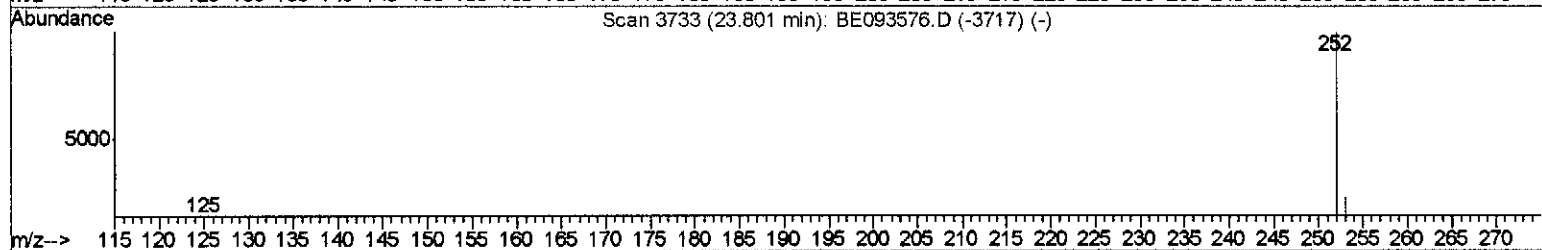
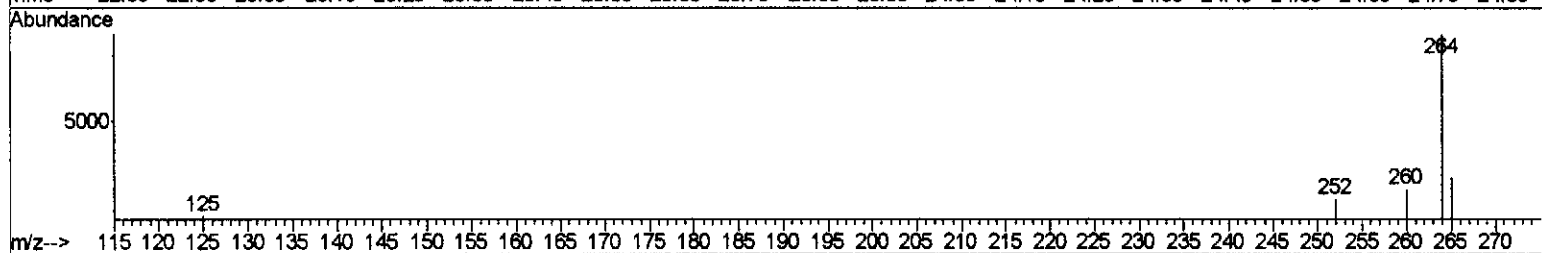
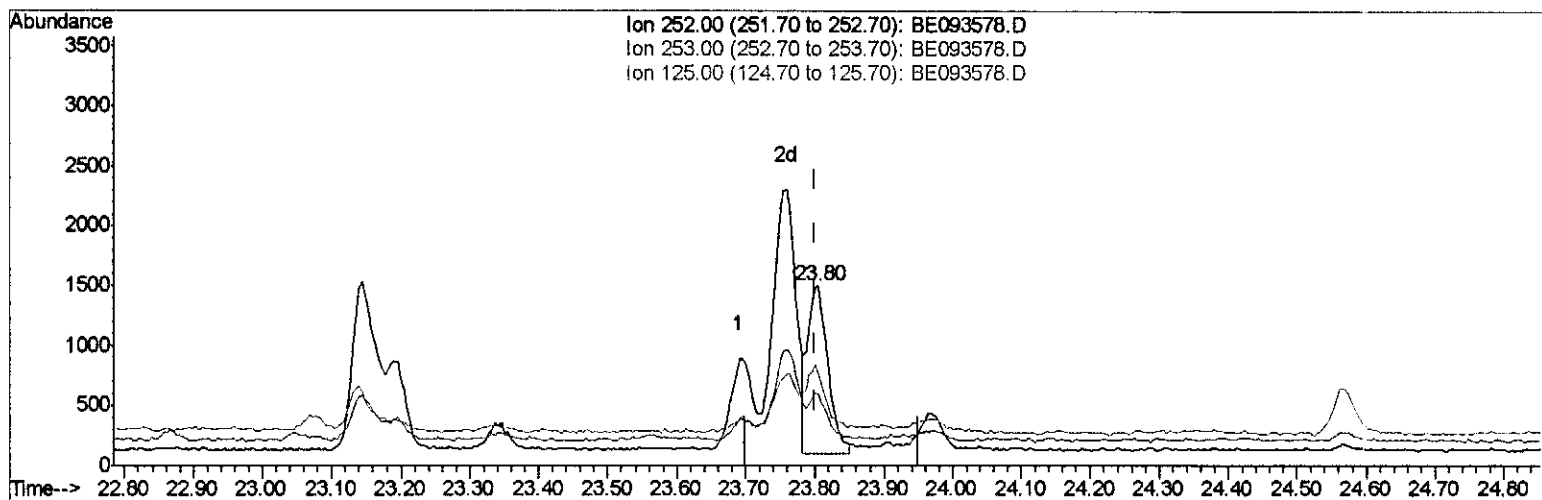
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE072517\  
Data File : BE093578.D  
Acq On : 25 Jul 2017 15:35  
Operator : SJ/JU  
Sample : I4209-15  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0B18

Manual Integrations  
APPROVED

Sohil  
7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:08:08 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 25 18:00:47 2017  
Response via : Initial Calibration



TIC: BE093578.D

(23) Benzo(a)pyrene (C)

23.805min (+0.005) 0.05ng/ul m

response 2789

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 39.77  |
| 125.00 | 22.60 | 50.94# |
| 0.00   | 0.00  | 0.00   |

SJ  
8/8/17

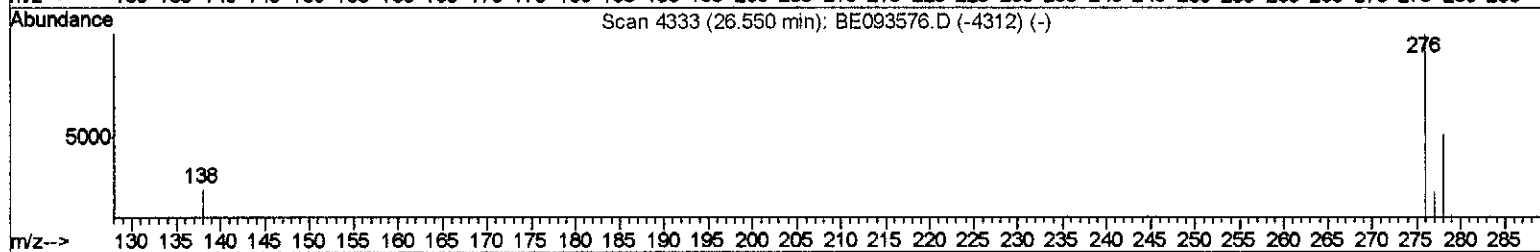
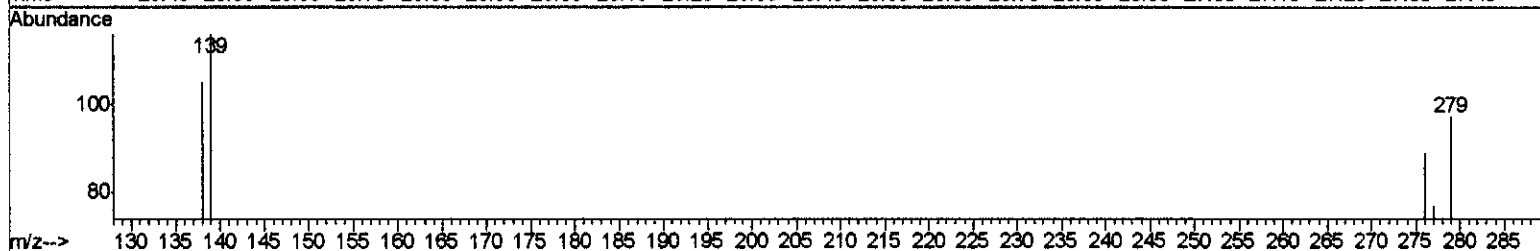
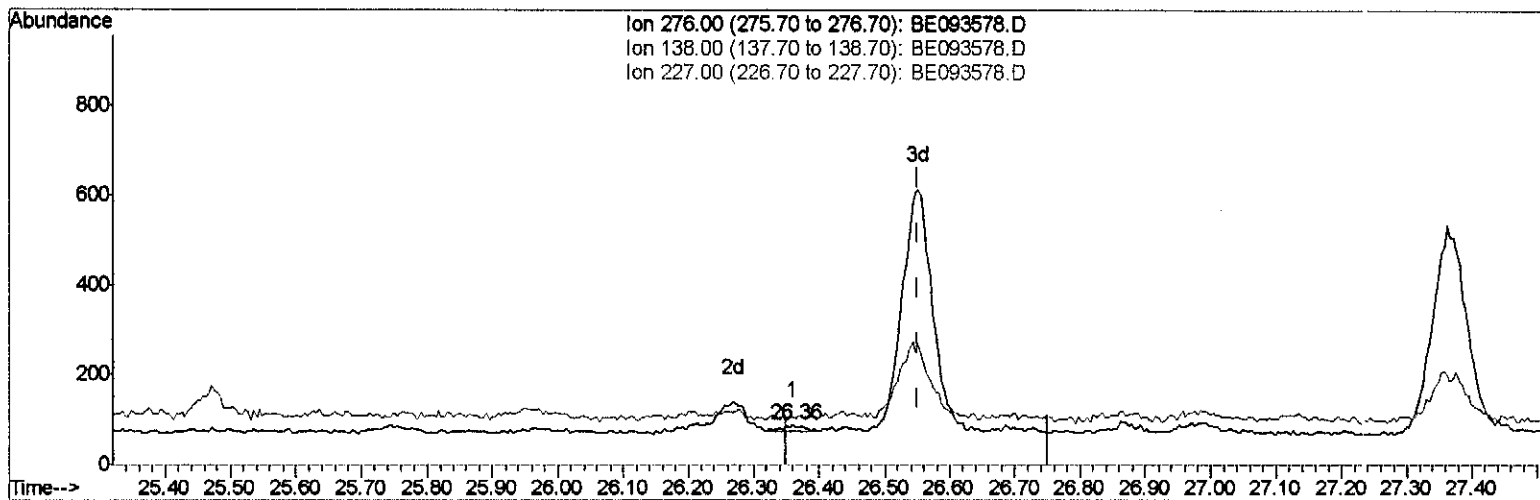
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE072517\  
Data File : BE093578.D  
Acq On : 25 Jul 2017 15:35  
Operator : SJ/JU  
Sample : I4209-15  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0B18

Manual Integrations  
APPROVED

Sohil  
7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:08:08 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 25 18:00:47 2017  
Response via : Initial Calibration



TIC: BE093578.D

(24) Indeno(1,2,3-cd)pyrene

26.360min (-0.192) 0.00ng/ui

response 40

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 0.00# |
| 227.00 | 10.00 | 0.00# |
| 0.00   | 0.00  | 0.00  |

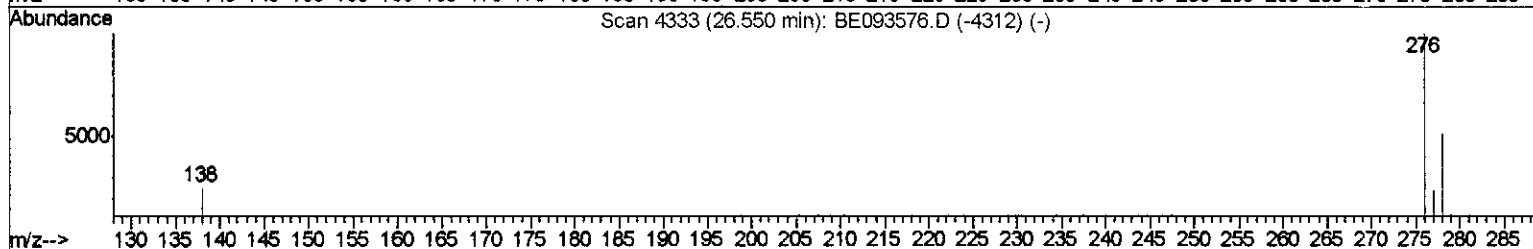
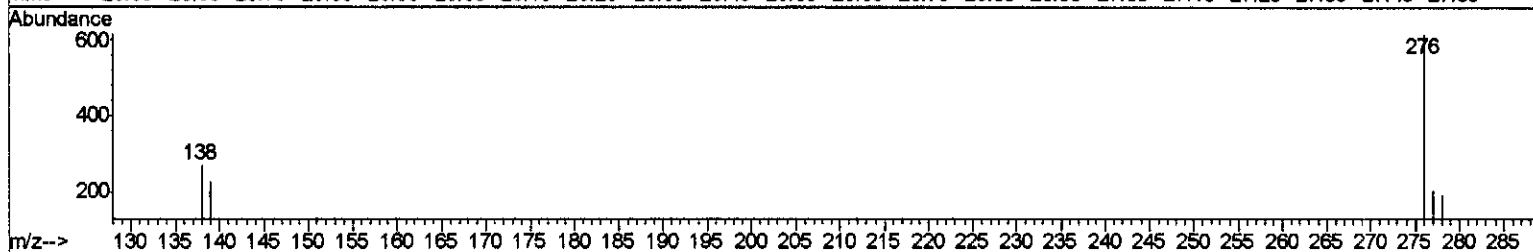
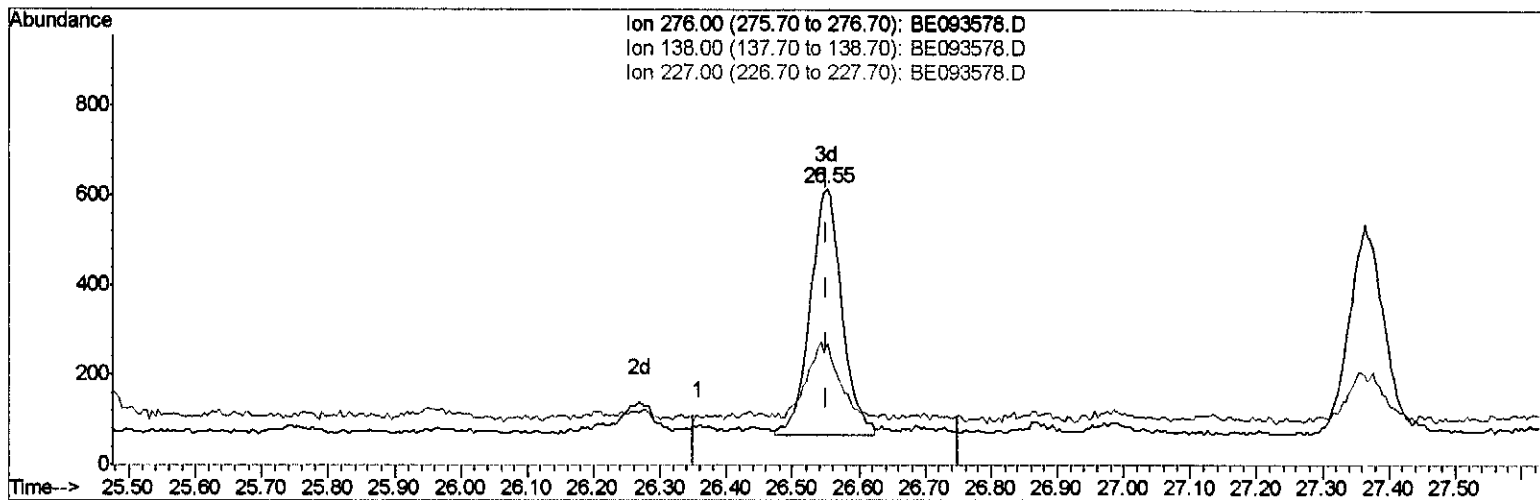
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE072517\  
Data File : BE093578.D  
Acq On : 25 Jul 2017 15:35  
Operator : SJ/JU  
Sample : I4209-15  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0B18

Manual Integrations  
APPROVED

Sohil  
7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:08:08 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 25 18:00:47 2017  
Response via : Initial Calibration



TIC: BE093578.D

(24) Indeno(1,2,3-cd)pyrene

26.551min (-0.000) 0.03ng/ul m

response 1832

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 0.00# |
| 227.00 | 10.00 | 0.00# |
| 0.00   | 0.00  | 0.00  |

SJ  
8/8/17

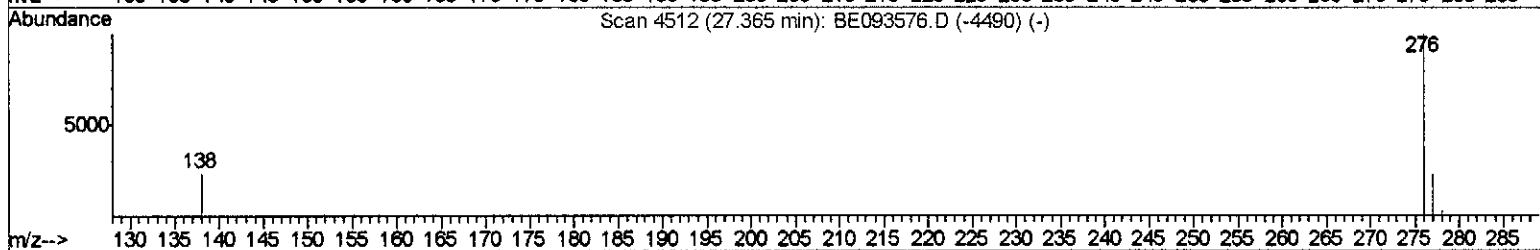
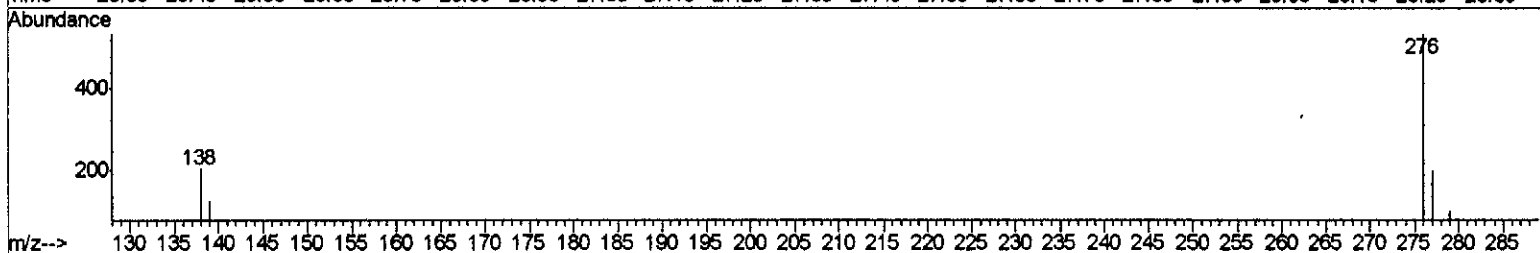
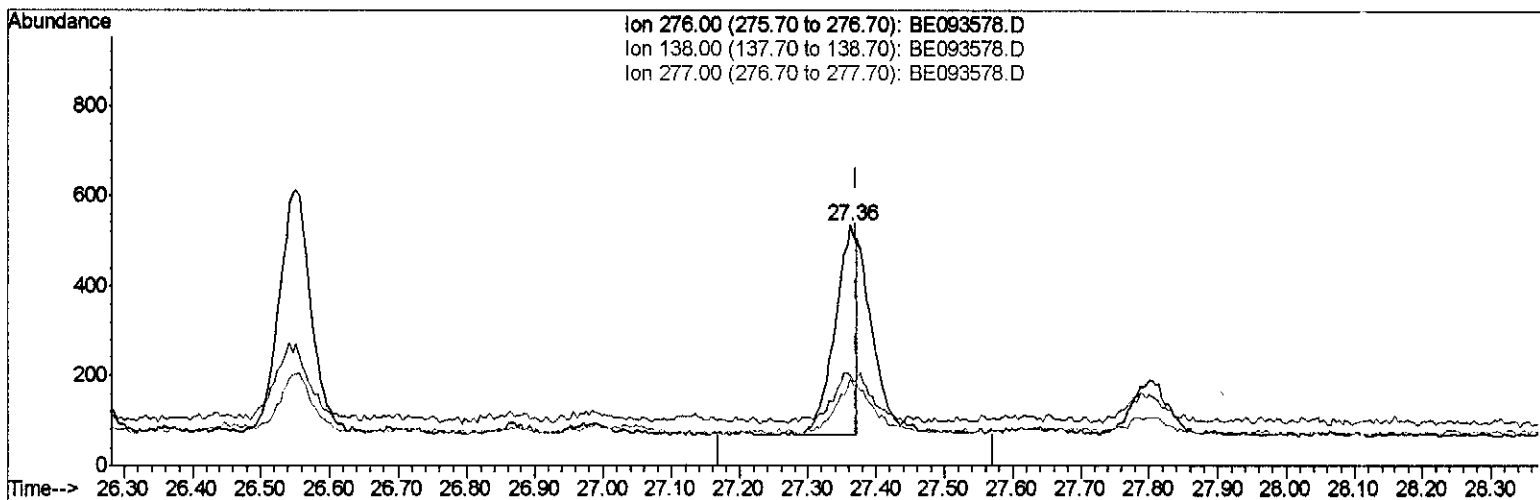
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE072517\  
Data File : BE093578.D  
Acq On : 25 Jul 2017 15:35  
Operator : SJ/JU  
Sample : I4209-15  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0B18

Manual Integrations  
APPROVED

Sohil  
7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:08:08 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 25 18:00:47 2017  
Response via : Initial Calibration



TIC: BE093578.D

(26) Benzo(g,h,i)perylene

27.362min (-0.009) 0.02ng/ul

response 1062

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 27.30 | 37.69# |
| 277.00 | 25.60 | 36.75# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

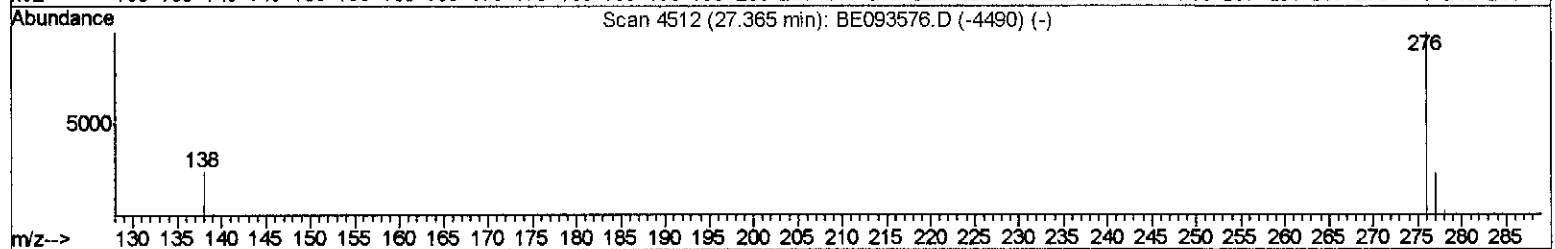
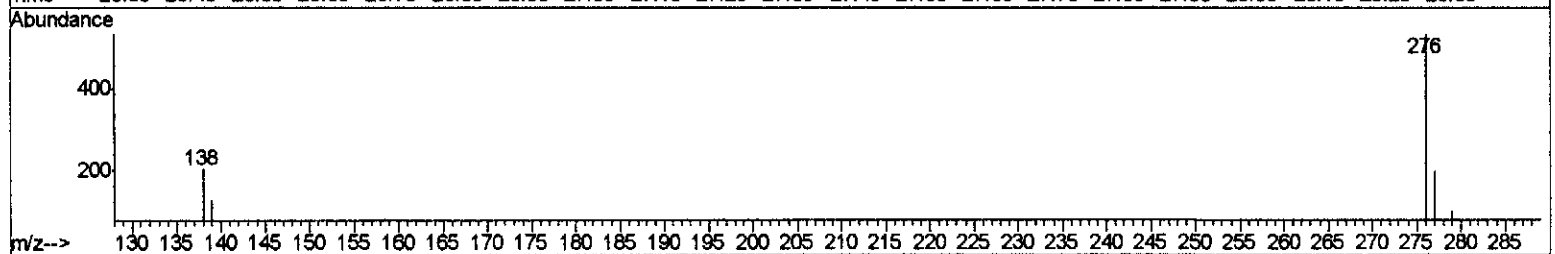
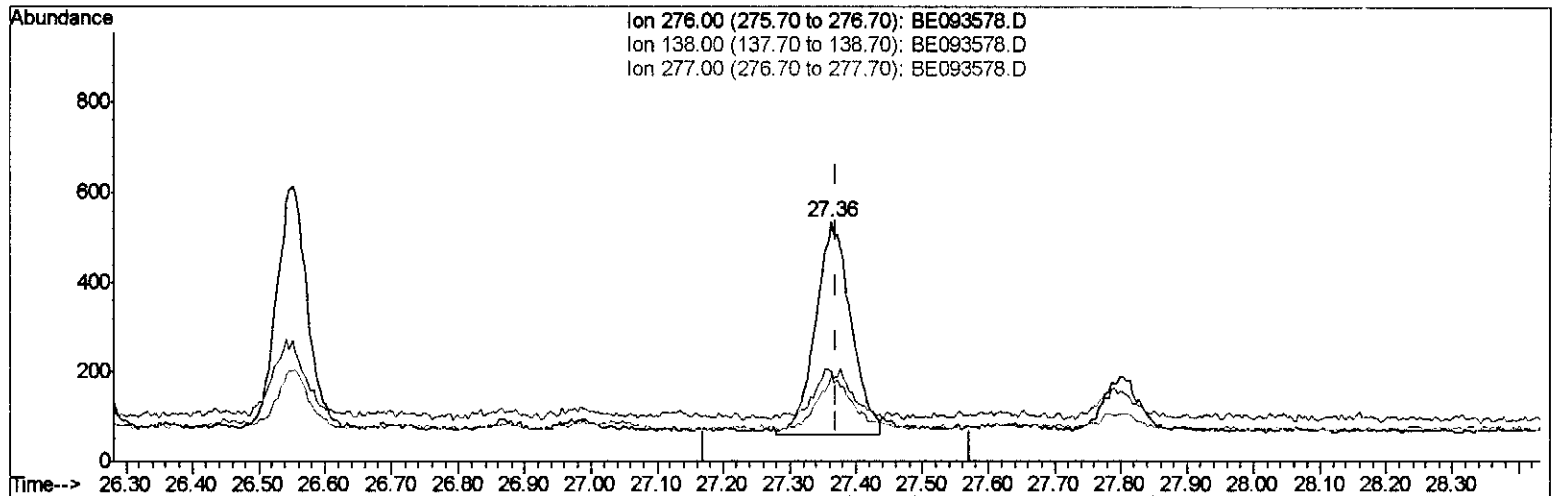
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE072517\  
 Data File : BE093578.D  
 Acq On : 25 Jul 2017 15:35  
 Operator : SJ/JU  
 Sample : I4209-15  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0B18

Manual Integrations  
 APPROVED

Sohil  
 7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:08:08 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 18:00:47 2017  
 Response via : Initial Calibration



TIC: BE093578.D

(26) Benzo(g,h,i)perylene

27.362min (-0.009) 0.04ng/ul m

response 1767

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 27.30 | 37.69# |
| 277.00 | 25.60 | 36.75# |
| 0.00   | 0.00  | 0.00   |

SJ  
 8/8/17

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE072517\  
 Data File : BE093578.D  
 Acq On : 25 Jul 2017 15:35  
 Operator : SJ/JU  
 Sample : I4209-15  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0B18

Manual Integrations  
 APPROVED

Sohil  
 7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:09:42 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 18:00:47 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev (Min) |
|---------------------------|-------|------|----------|------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.93  | 152  | 2490     | 0.40 | ng/ul | 0.00      |
| 2) Naphthalene-d8         | 10.71 | 136  | 12892    | 0.40 | ng/ul | 0.00      |
| 6) Acenaphthene-d10       | 14.53 | 164  | 8465     | 0.40 | ng/ul | 0.00      |
| 10) Phenanthrene-d10      | 17.26 | 188  | 19915m   | 0.40 | ng/ul | 0.00      |
| 16) Chrysene-d12          | 21.41 | 240  | 21241    | 0.40 | ng/ul | 0.00      |
| 20) Perylene-d12          | 23.91 | 264  | 17752m   | 0.40 | ng/ul | 0.00      |

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| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev (Min) |
|-----------------------------|-------|------|----------|------|-------|-----------|
| 4) 2-Methylnaphthalene-d10  | 12.29 | 152  | 5155     | 0.25 | ng/ul | 0.00      |
| 14) Fluoranthene-d10        | 19.28 | 212  | 17458    | 0.28 | ng/ul | 0.00      |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.76 | 128  | 2092     | 0.067 | ng/ul# | 96     |
| 12) Phenanthrene           | 17.29 | 178  | 1400     | 0.026 | ng/ul# | 91     |
| 15) Fluoranthene           | 19.30 | 202  | 2448     | 0.036 | ng/ul  | 87     |
| 17) Pyrene                 | 19.67 | 202  | 2940     | 0.047 | ng/ul# | 90     |
| 18) Benzo(a)anthracene     | 21.40 | 228  | 1932     | 0.031 | ng/ul# | 89     |
| 19) Chrysene               | 21.45 | 228  | 1978     | 0.033 | ng/ul# | 89     |
| 21) Benzo(b)fluoranthene   | 23.14 | 252  | 3182     | 0.058 | ng/ul# | 74     |
| 23) Benzo(a)pyrene         | 23.80 | 252  | 2789m    | 0.053 | ng/ul  |        |
| 24) Indeno(1,2,3-cd)pyrene | 26.55 | 276  | 1832m    | 0.032 | ng/ul  |        |
| 26) Benzo(g,h,i)perylene   | 27.36 | 276  | 1767m    | 0.036 | ng/ul  |        |

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