

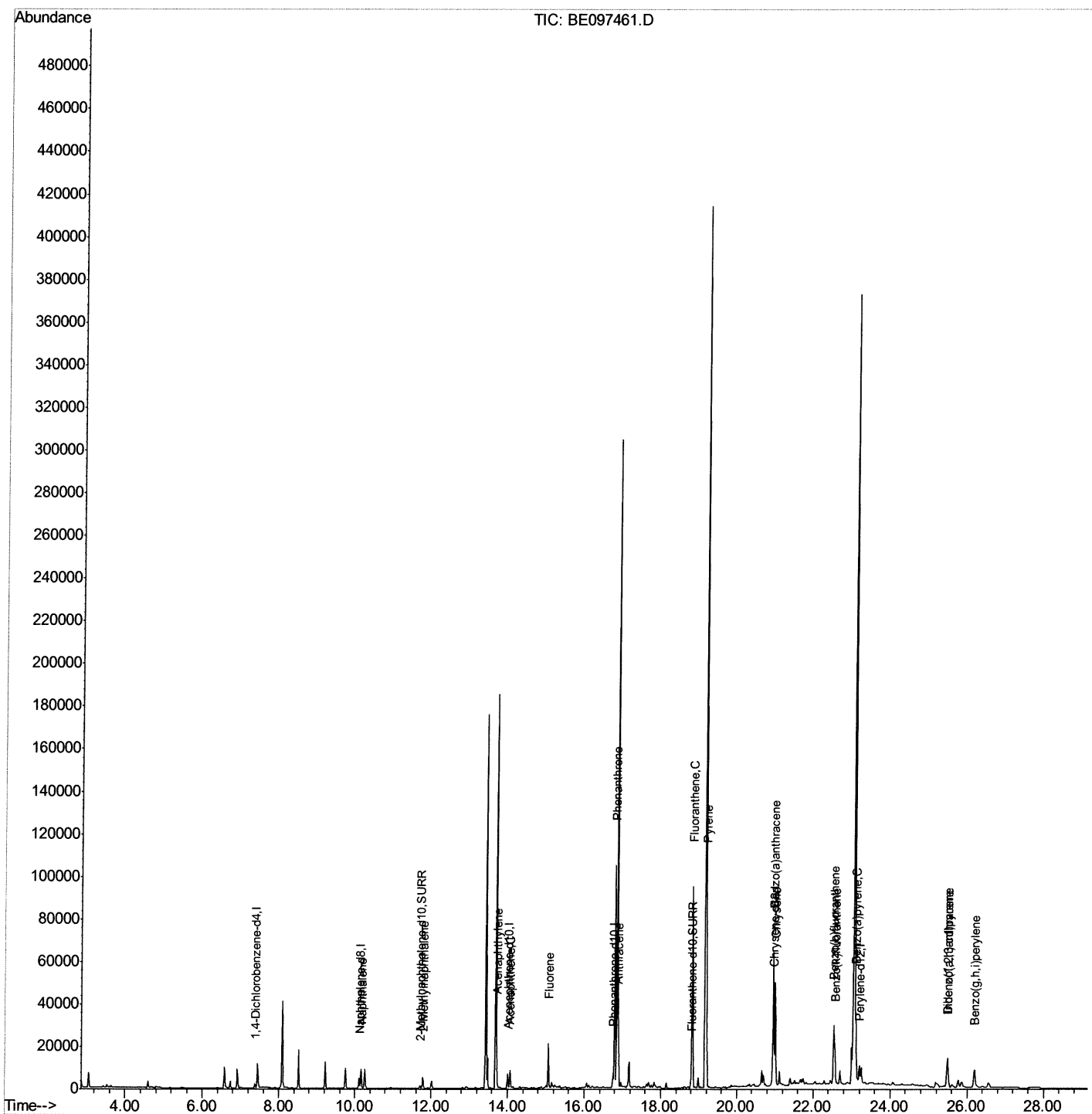
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
Data File : BE097461.D  
Acq On : 12 Sep 2018 21:30  
Operator : SJ/JU  
Sample : J4792-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3YY2

Manual Integrations  
APPROVED

Sohil  
9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:41:03 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 13 01:51:24 2018  
Response via : Initial Calibration



# Quantitation Report (Qedit)

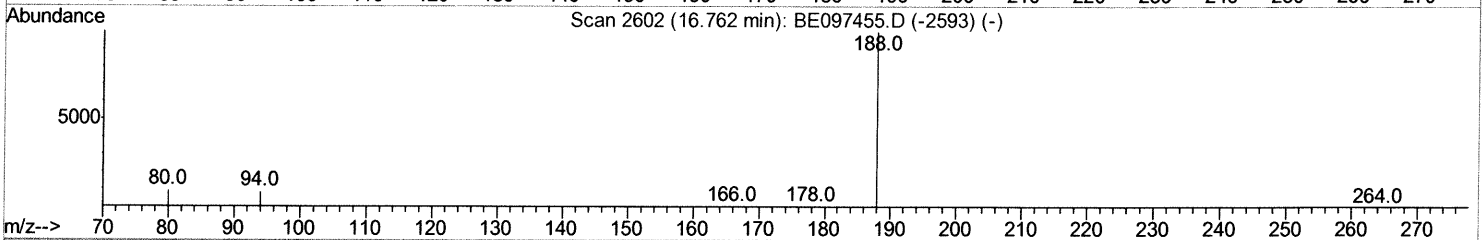
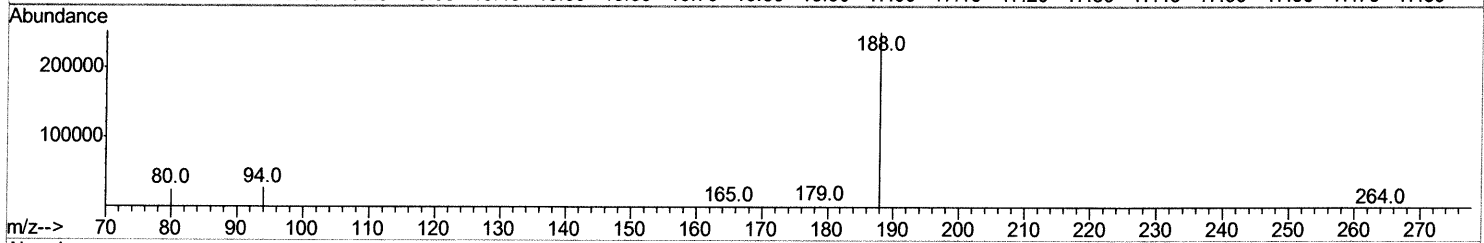
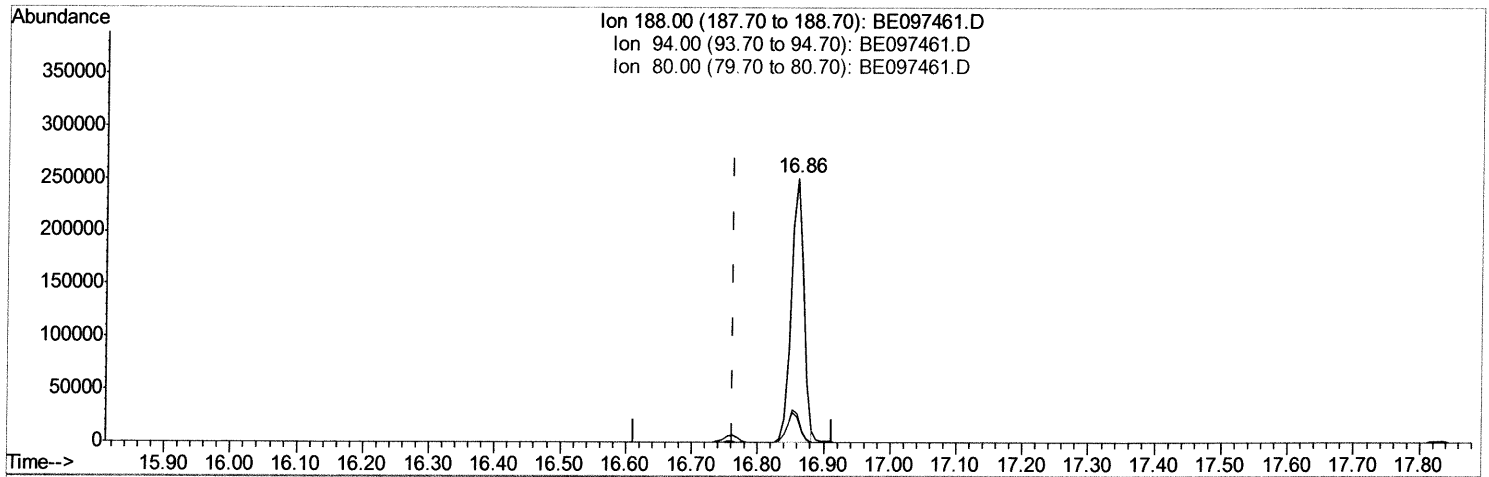
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 01:53:20 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(10) Phenanthrene-d10 (I)

16.860min (+0.098) 0.40ng/ul

response 339795

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 10.70 |
| 80.00  | 11.80 | 9.66  |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

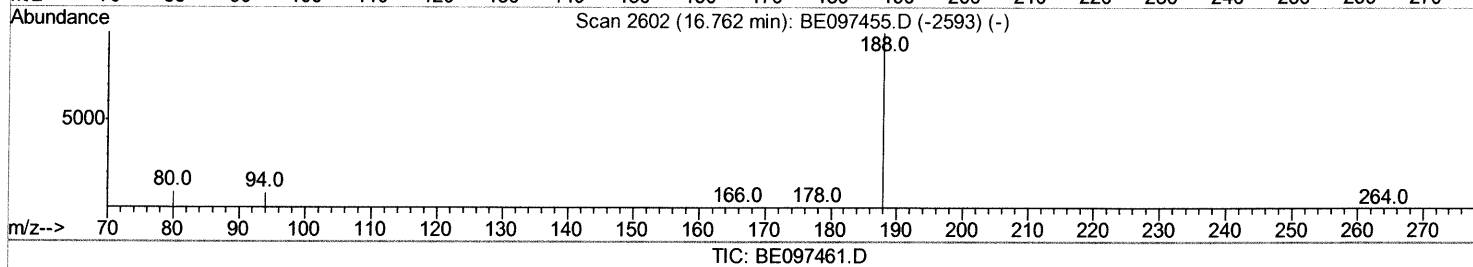
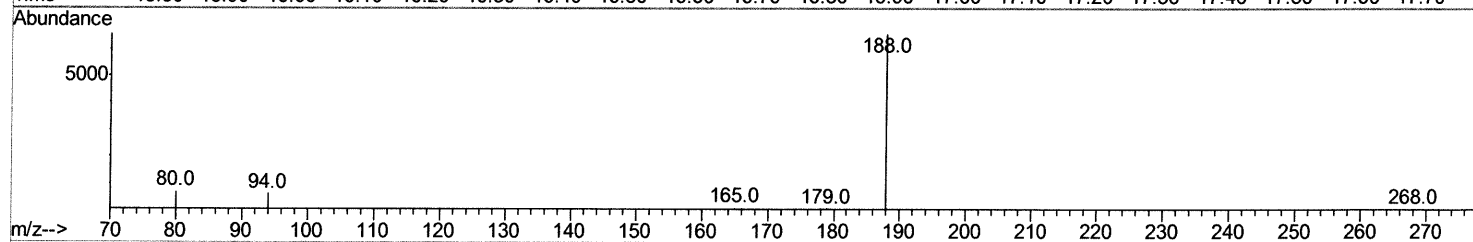
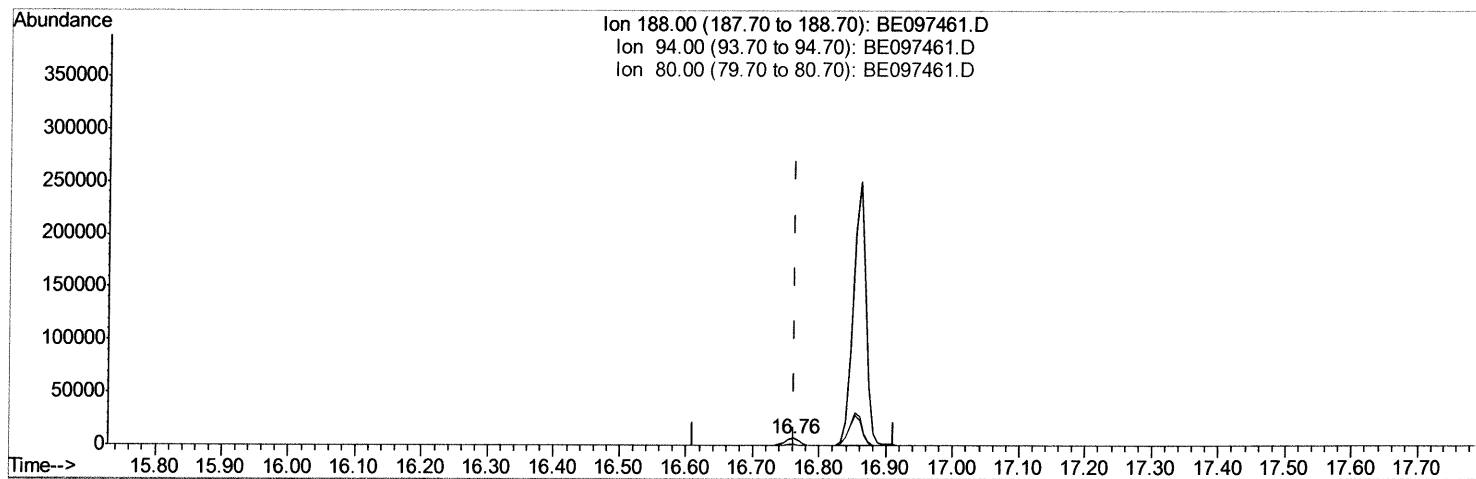
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
Data File : BE097461.D  
Acq On : 12 Sep 2018 21:30  
Operator : SJ/JU  
Sample : J4792-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3YY2

Manual Integrations  
APPROVED

Sohil  
9/13/2018 5:42:27 PM

Quant Time: Sep 13 01:53:20 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 13 01:51:24 2018  
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

16.761min (-0.000) 0.40ng/ul > SJ 9/18/18

response 8955

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 9.33  |
| 80.00  | 11.80 | 10.28 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

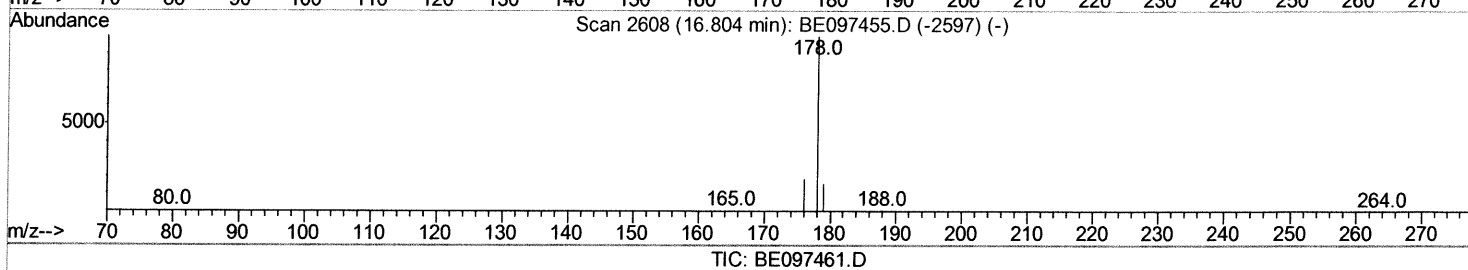
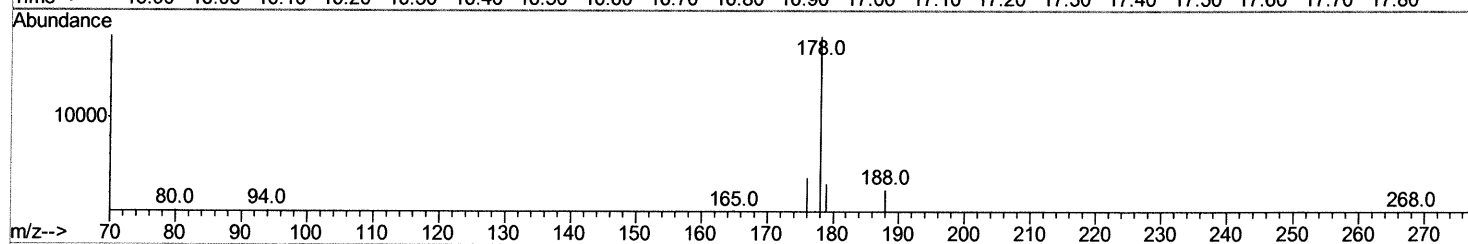
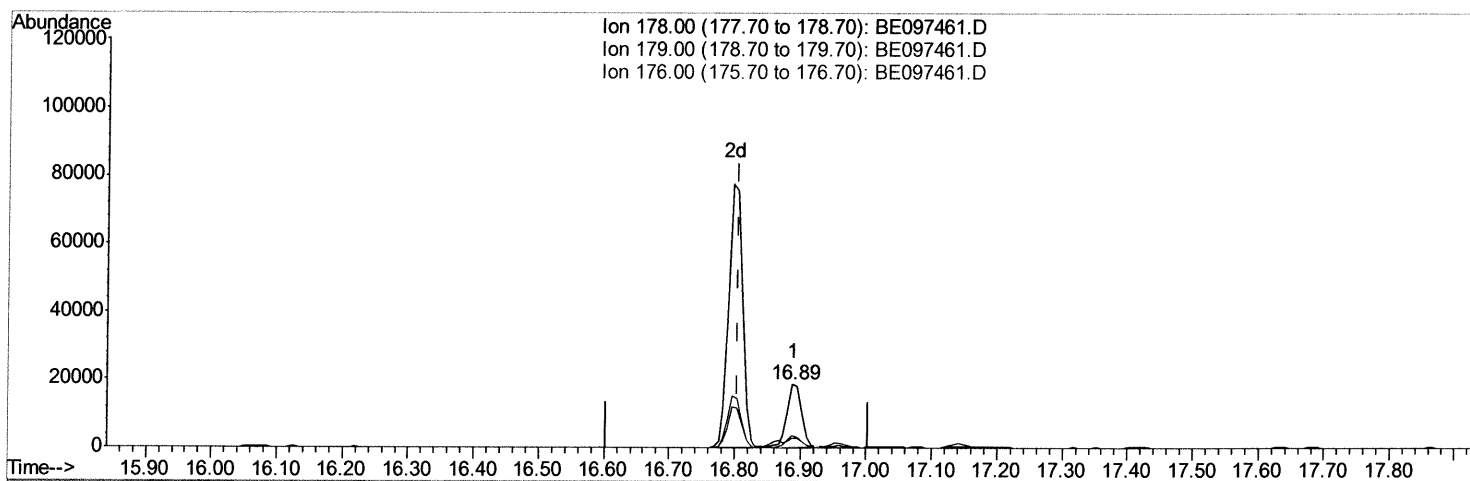
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
Data File : BE097461.D  
Acq On : 12 Sep 2018 21:30  
Operator : SJ/JU  
Sample : J4792-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3YY2

Manual Integrations  
APPROVED

Sohil  
9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:36:55 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 13 01:51:24 2018  
Response via : Initial Calibration



(12) Phenanthrene

16.888min (+0.084) 1.19ng/ul

response 27508

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 23.00 | 15.87# |
| 176.00 | 17.00 | 19.57  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

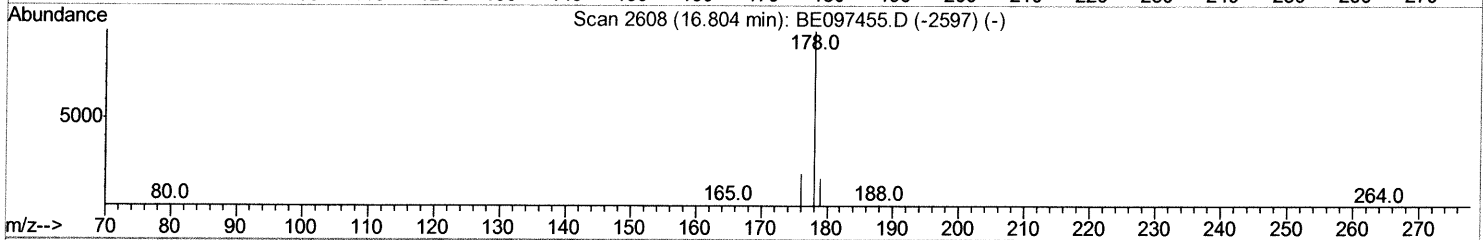
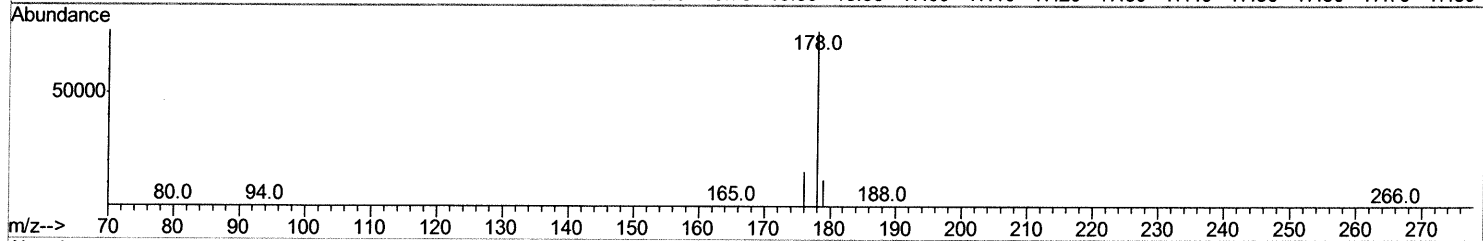
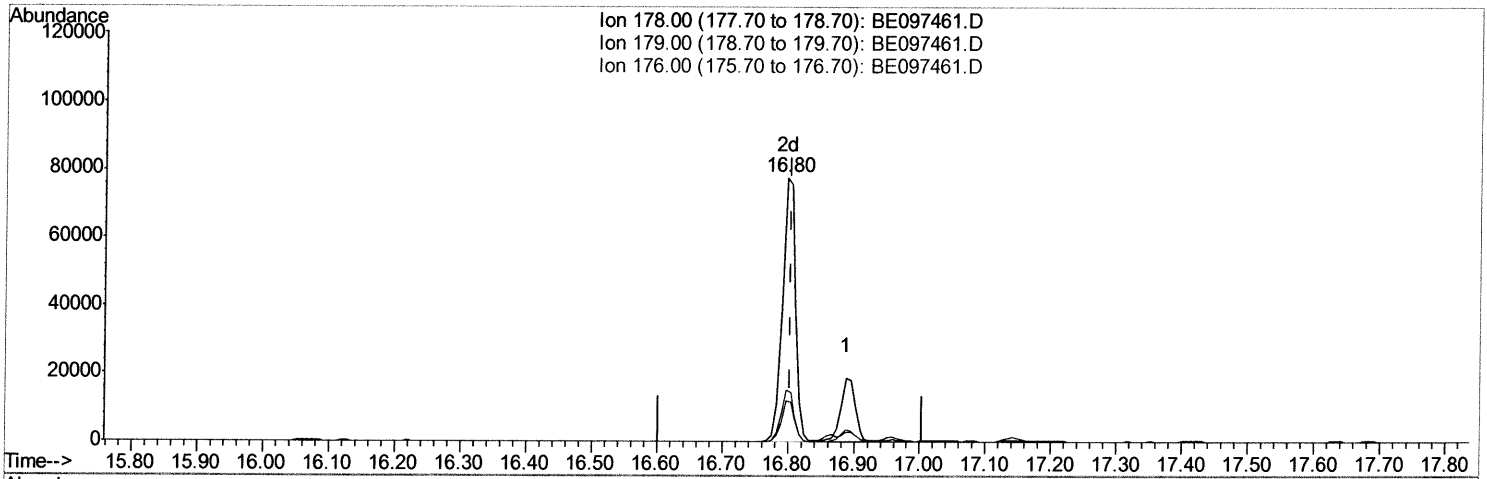
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:36:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(12) Phenanthrene

16.797min (-0.007) 4.77ng/ul m> SJ 9/18/18

response 110031

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 23.00 | 15.33# |
| 176.00 | 17.00 | 19.66  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

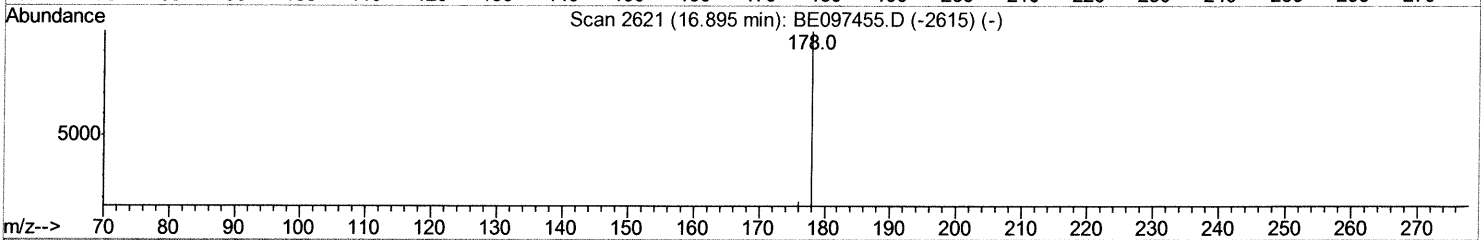
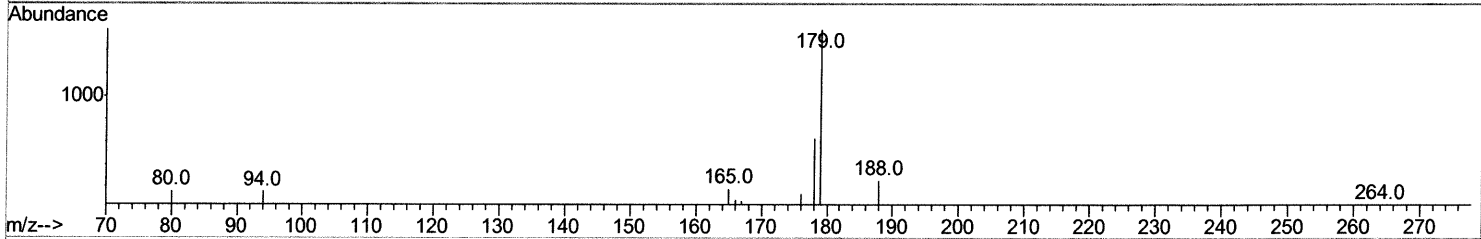
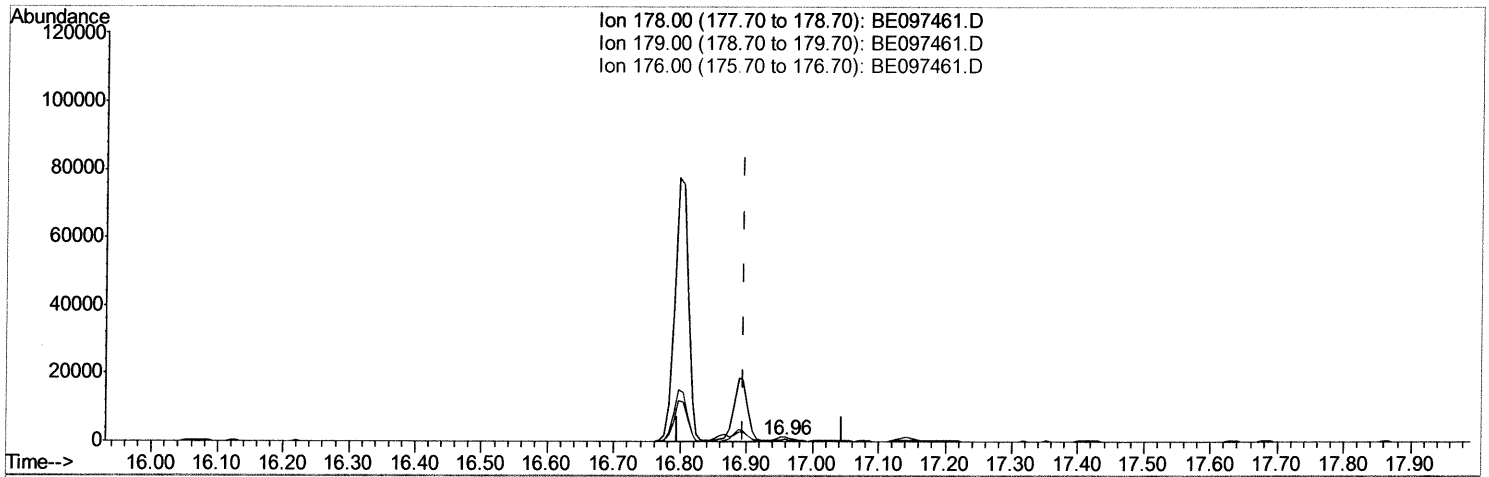
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:36:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(13) Anthracene

16.958min (+0.063) 0.04ng/ul

response 770

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 179.00 | 22.60 | 252.14# |
| 176.00 | 18.40 | 22.03   |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

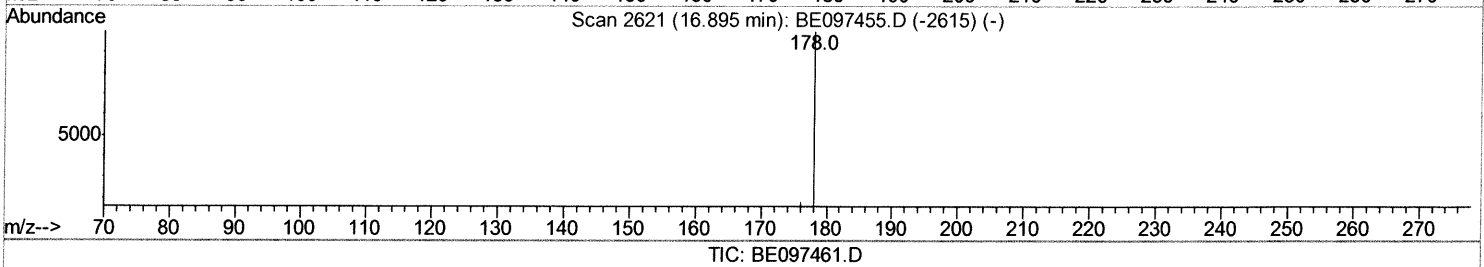
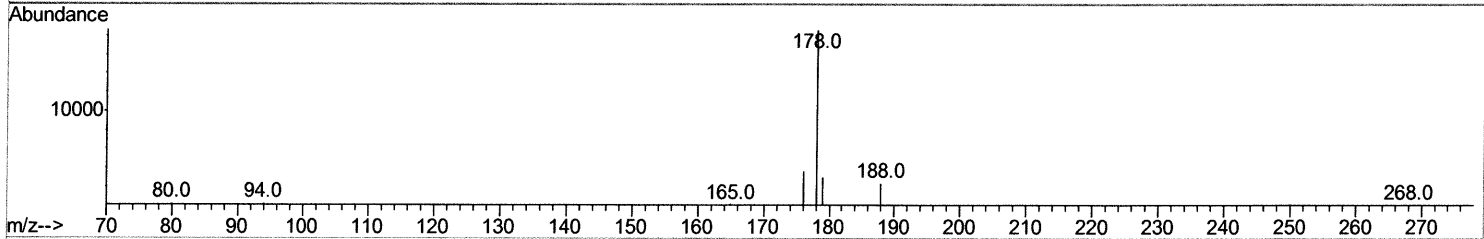
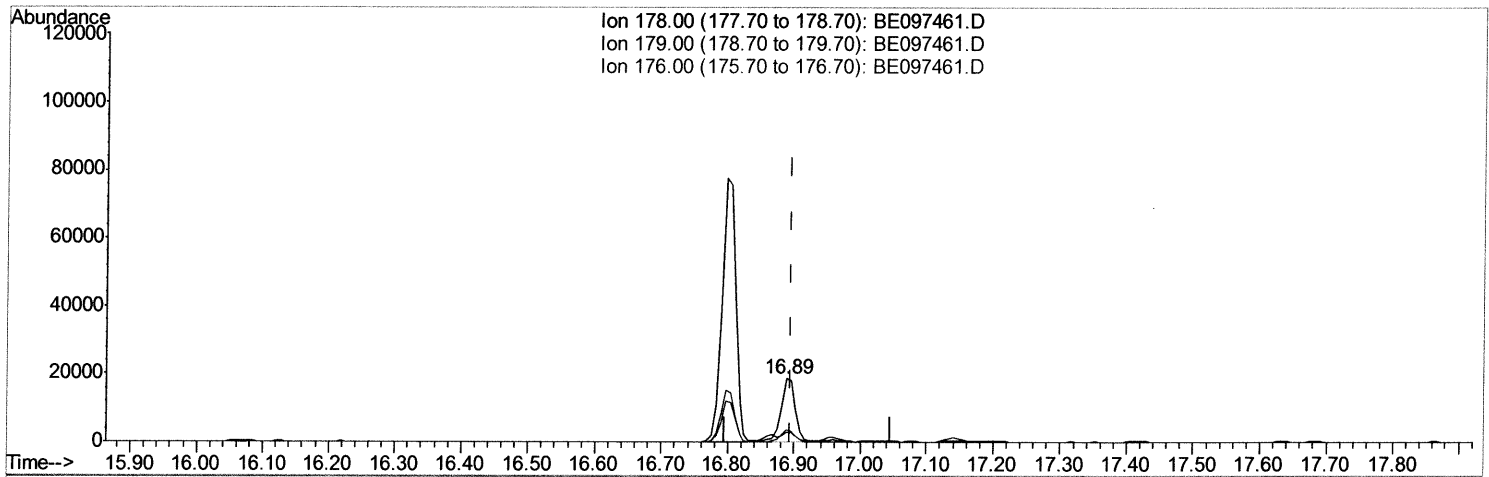
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:36:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



(13) Anthracene

16.888min (-0.007) 1.38ng/ul m> SJ 9/18/18

response 26818

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 22.60 | 15.87# |
| 176.00 | 18.40 | 19.57  |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

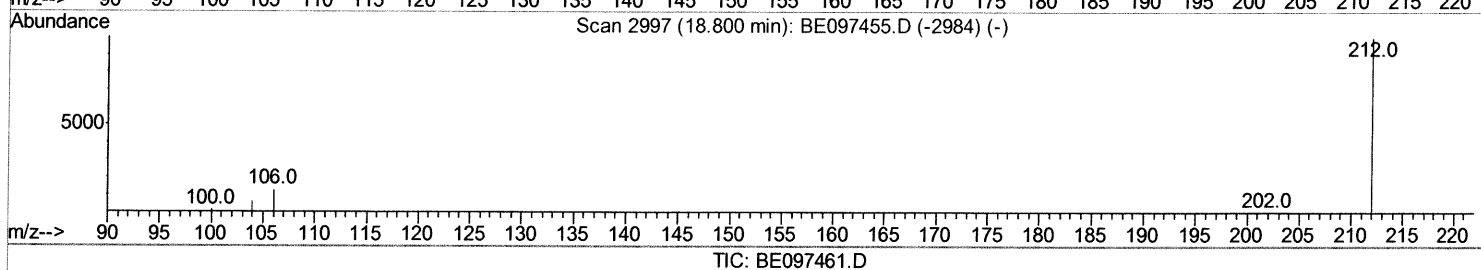
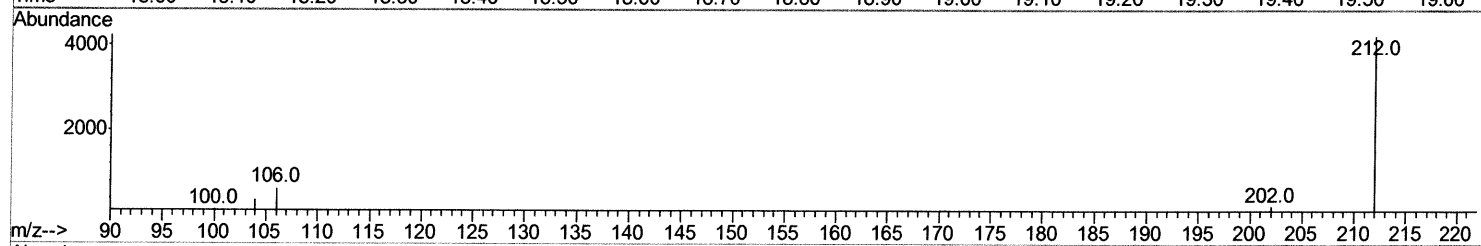
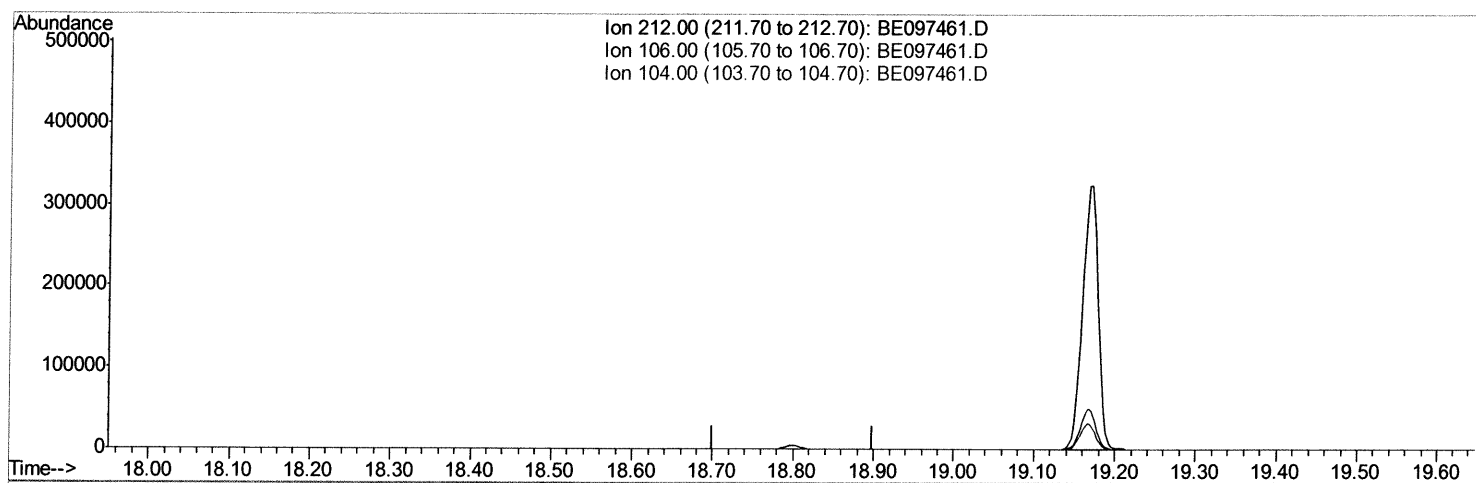
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
Data File : BE097461.D  
Acq On : 12 Sep 2018 21:30  
Operator : SJ/JU  
Sample : J4792-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3YY2

Manual Integrations  
APPROVED

Sohil  
9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:36:55 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 13 01:51:24 2018  
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

18.800min (-18.800) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 0.00  |
| 106.00 | 18.30 | 0.00# |
| 104.00 | 15.60 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

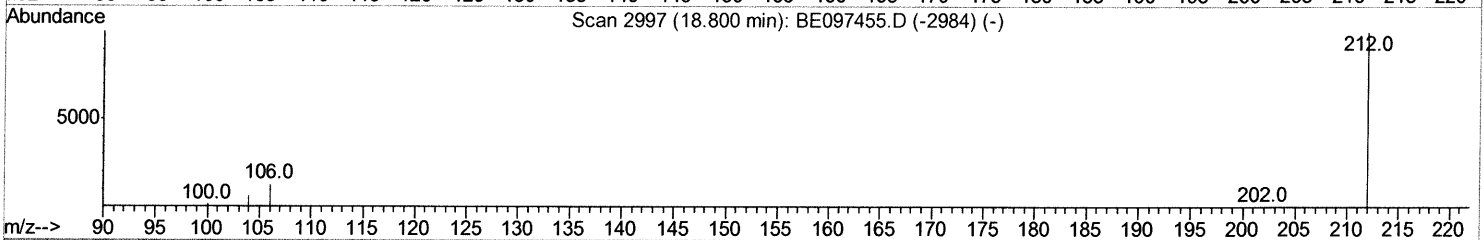
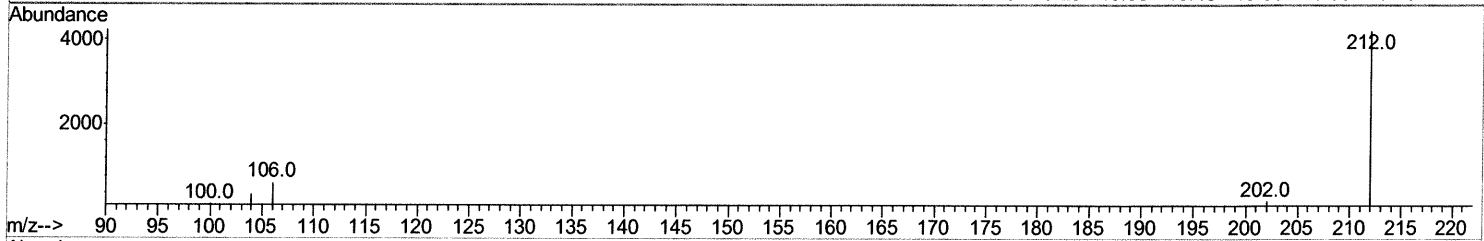
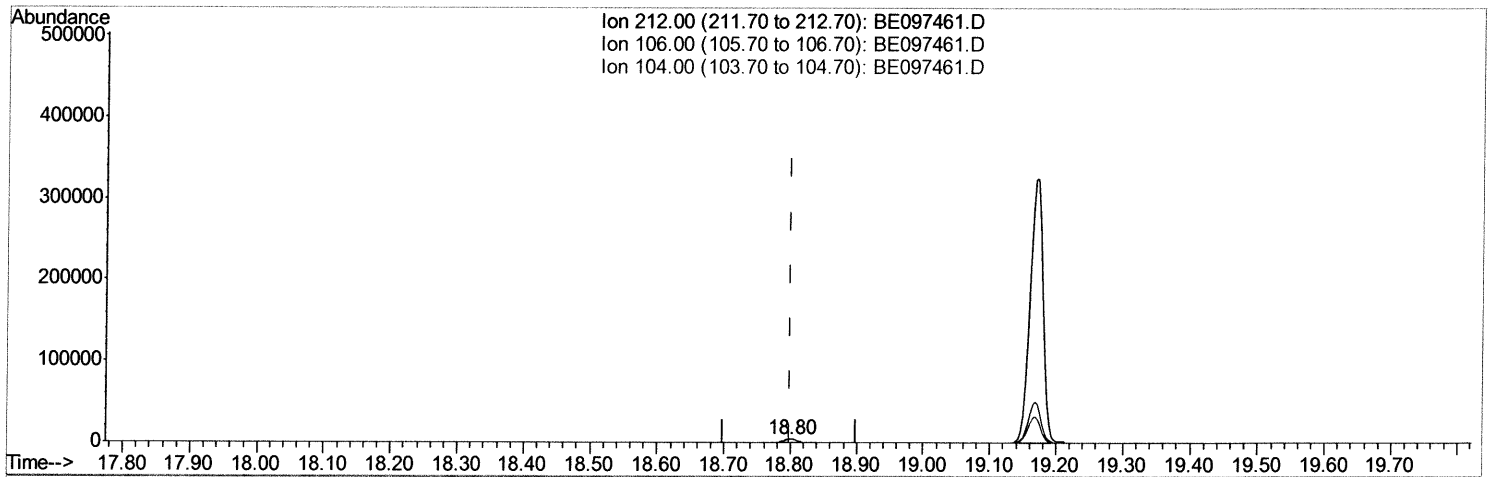
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:36:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(14) Fluoranthene-d10 (SURR)

18.800min (+0.000) 0.19ng/ul m > SJ 9/18/18

response 5515

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 18.30 | 0.00# |
| 104.00 | 15.60 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

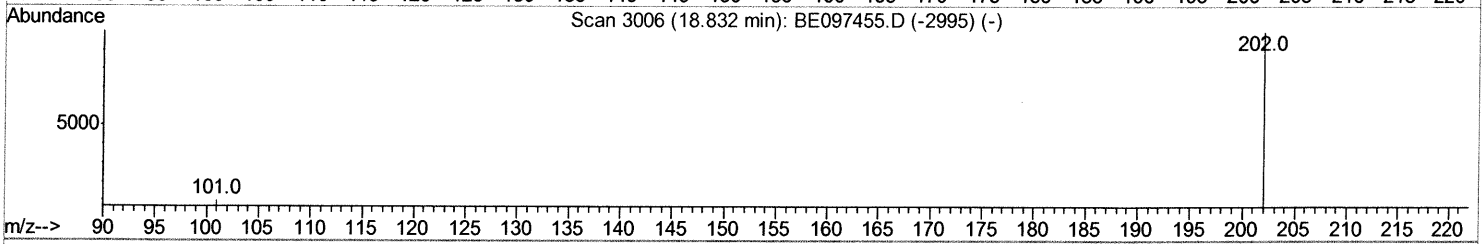
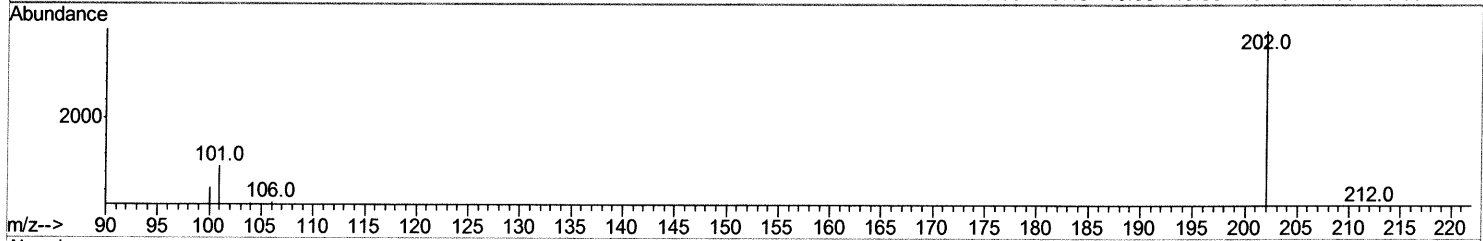
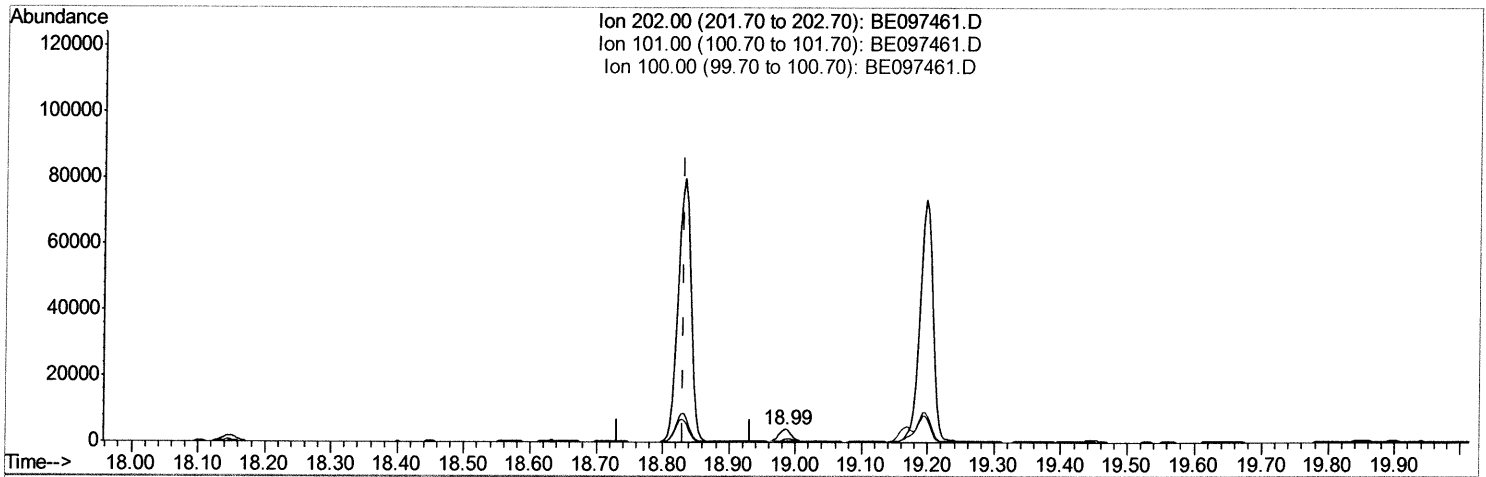
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:36:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(15) Fluoranthene (C)

18.985min (+0.154) 0.16ng/ul

response 4727

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.30 | 23.41 |
| 100.00 | 19.50 | 11.18 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

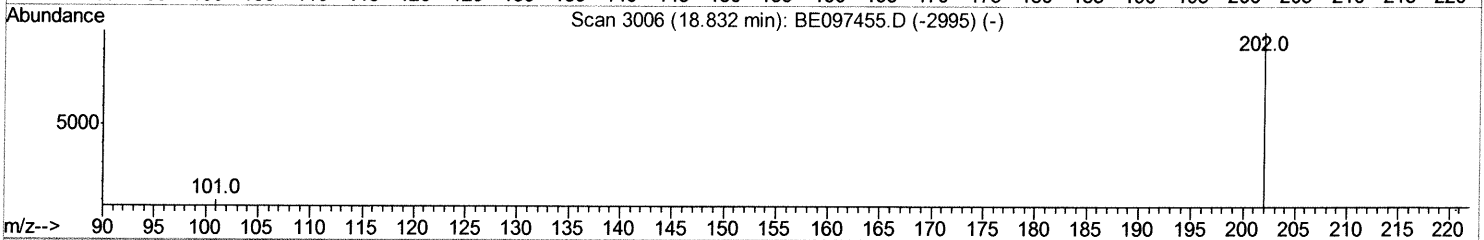
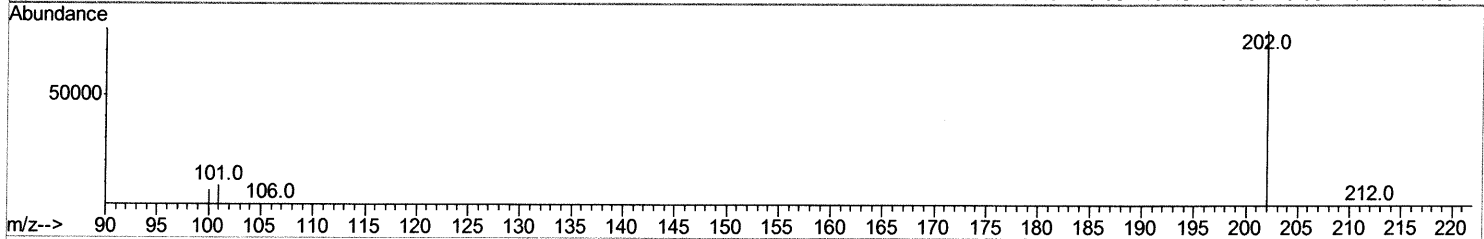
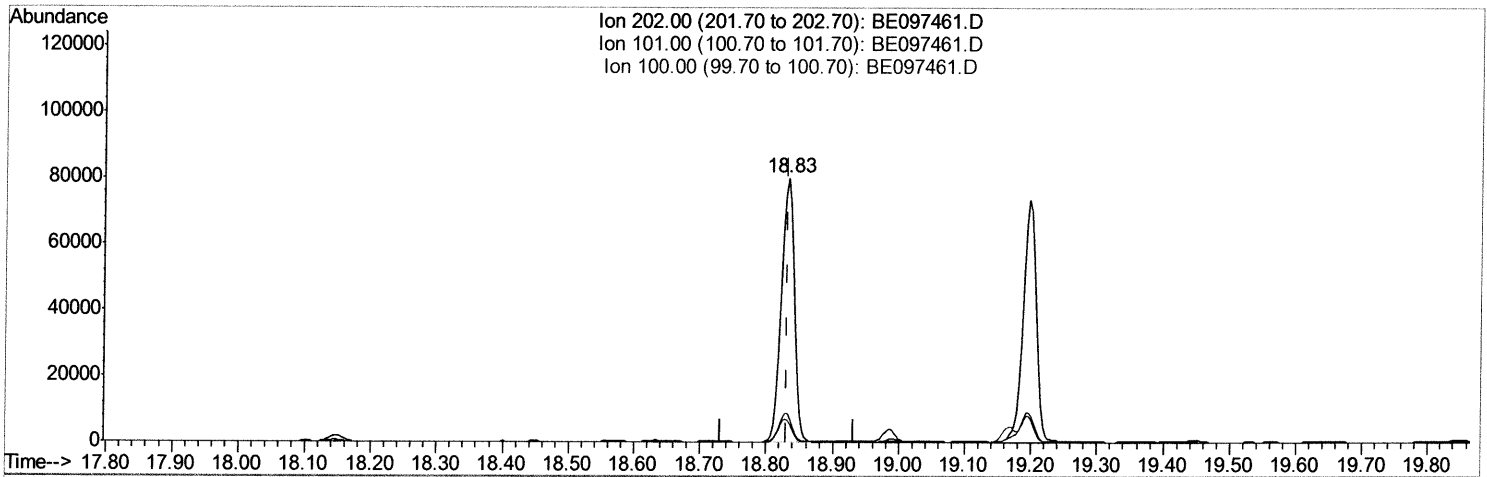
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:36:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(15) Fluoranthene (C)

18.832min (+0.000) 3.63ng/ul m> SJ 9/18/18

response 107368

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.30 | 10.74 |
| 100.00 | 19.50 | 8.34  |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

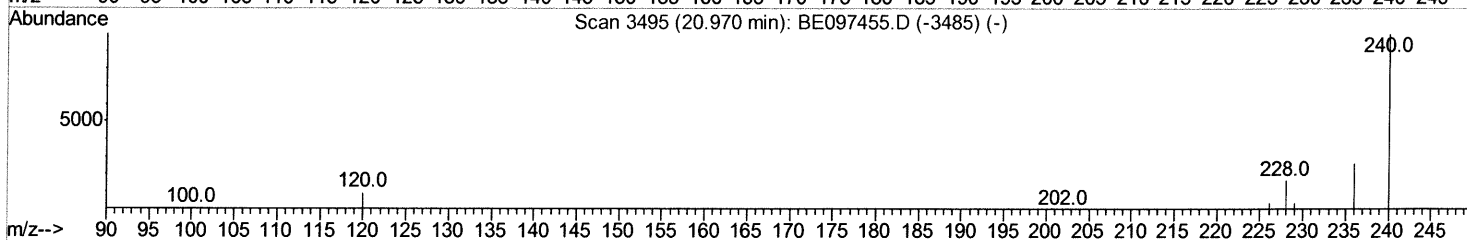
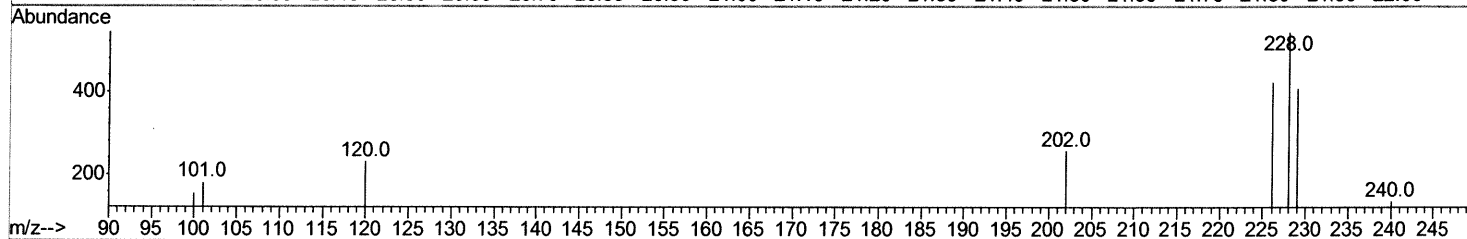
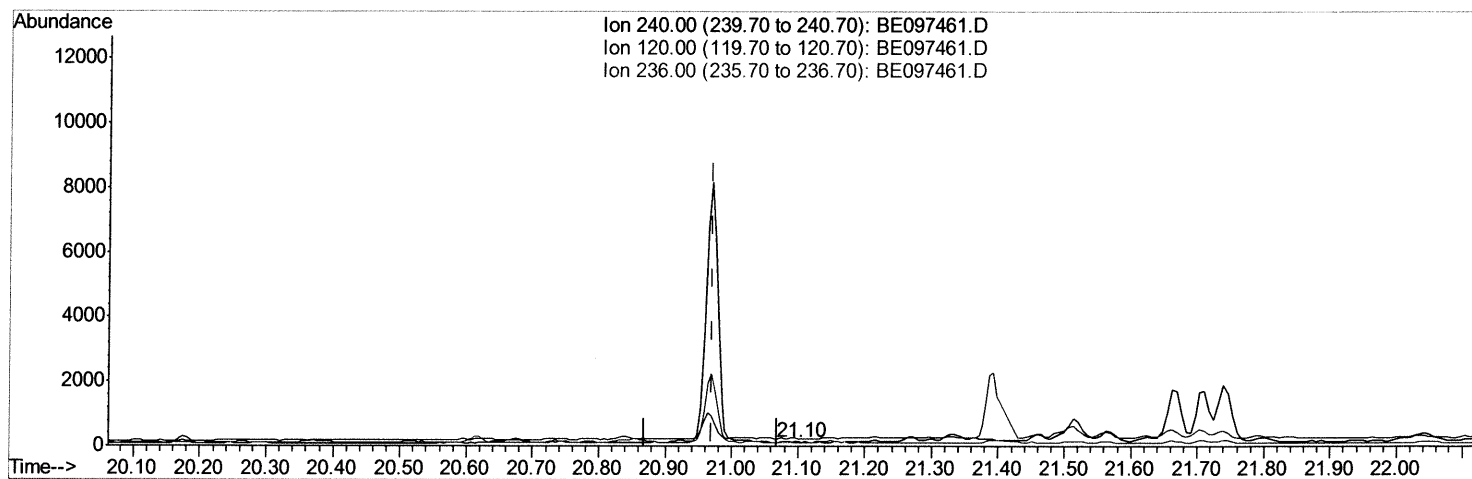
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
Data File : BE097461.D  
Acq On : 12 Sep 2018 21:30  
Operator : SJ/JU  
Sample : J4792-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3YY2

Manual Integrations  
APPROVED

Sohil  
9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:36:55 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 13 01:51:24 2018  
Response via : Initial Calibration



TIC: BE097461.D

(16) Chrysene-d12 (I)

21.101min (+0.131) 0.40ng/ul

response 24

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 20.60 | 171.11# |
| 236.00 | 34.90 | 89.63#  |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

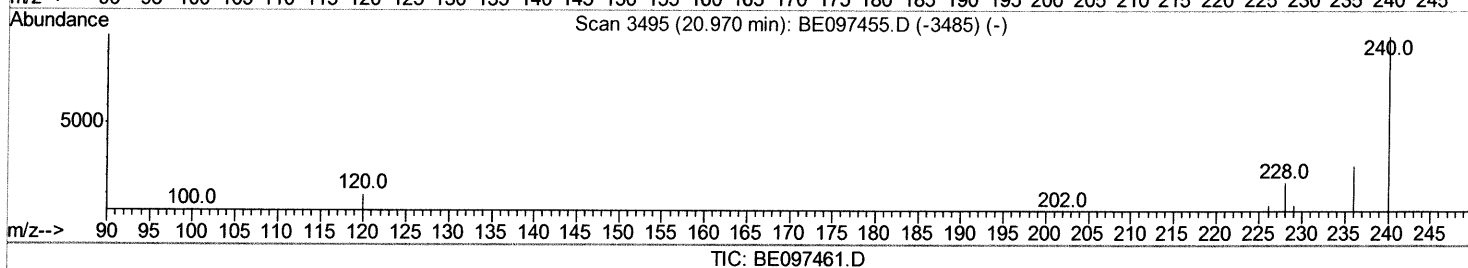
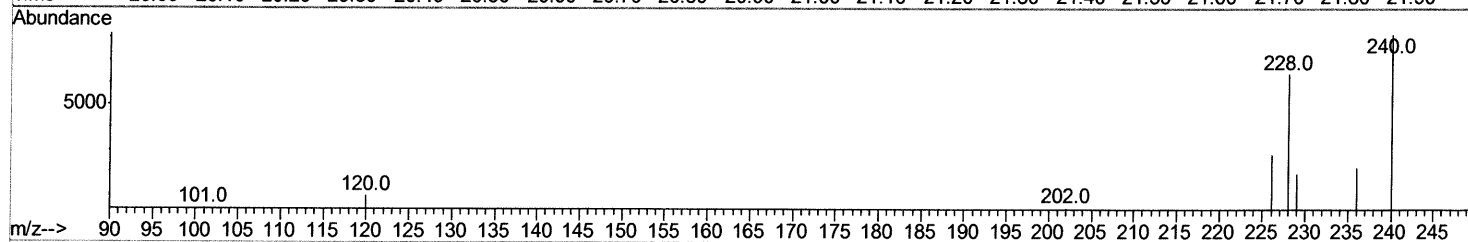
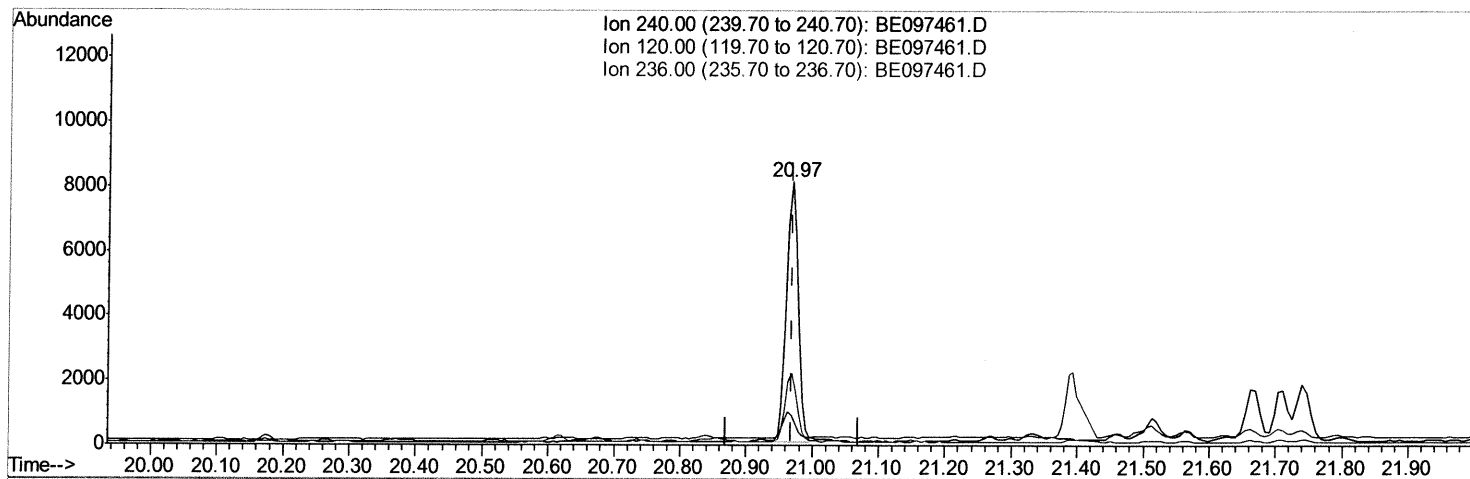
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:36:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

20.969min (-0.001) 0.40ng/ul m > SJ 9/18/18

response 9881

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 20.60 | 11.56# |
| 236.00 | 34.90 | 27.35# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

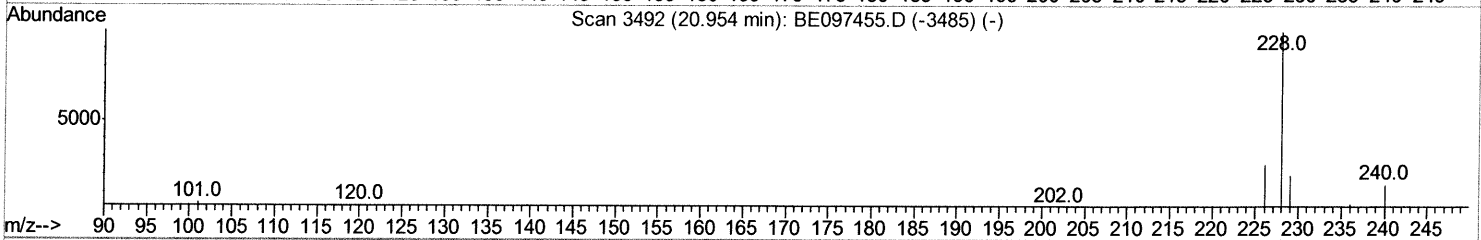
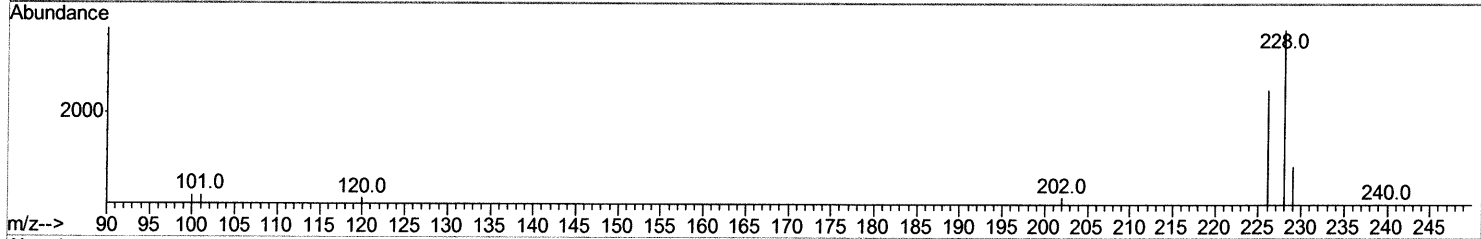
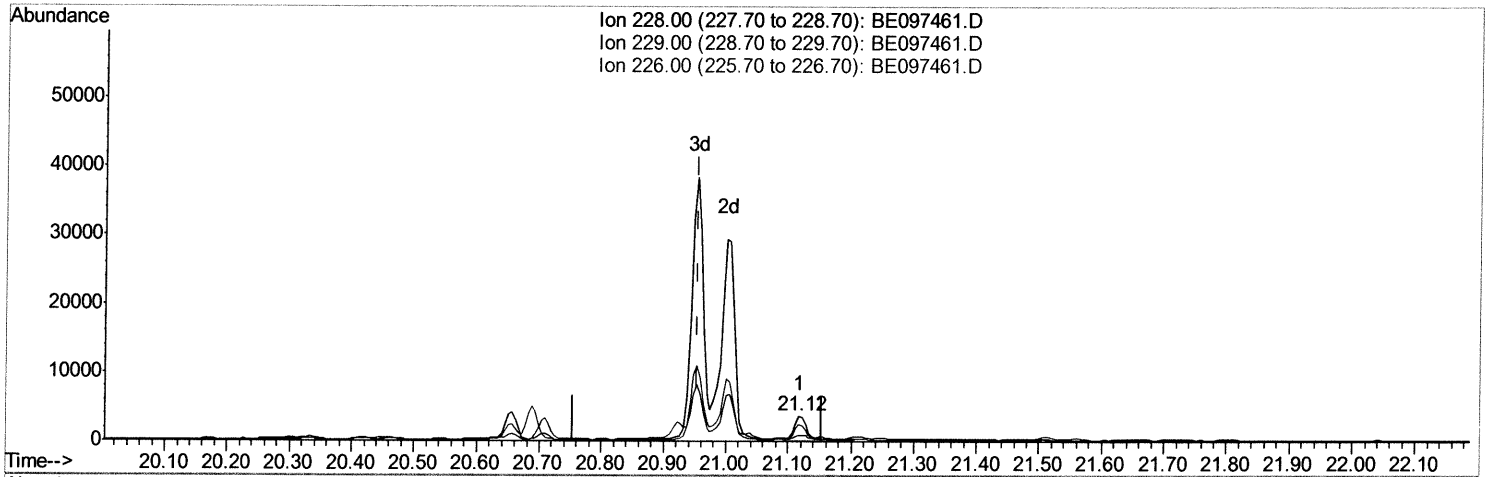
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:38:19 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(18) Benzo(a)anthracene  
 21.117min (+0.163) 0.19ng/ul  
 response 4756  

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 28.50 | 24.44  |
| 226.00 | 21.30 | 67.16# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

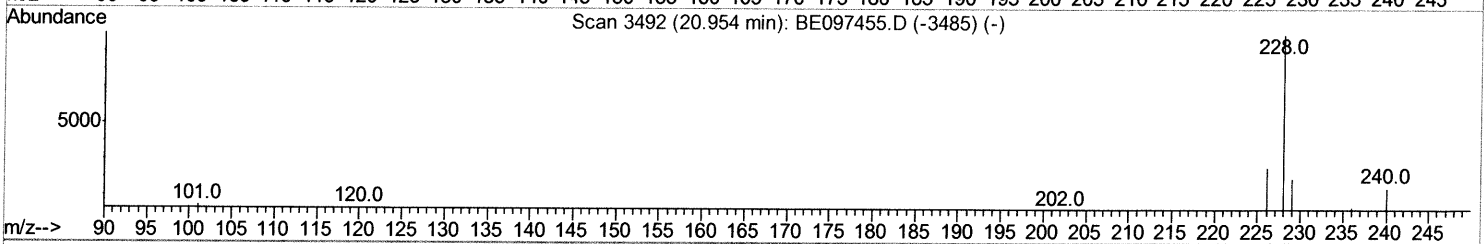
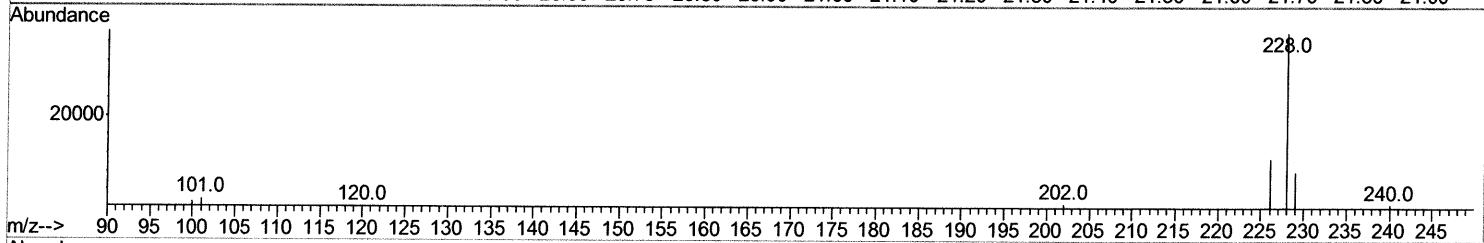
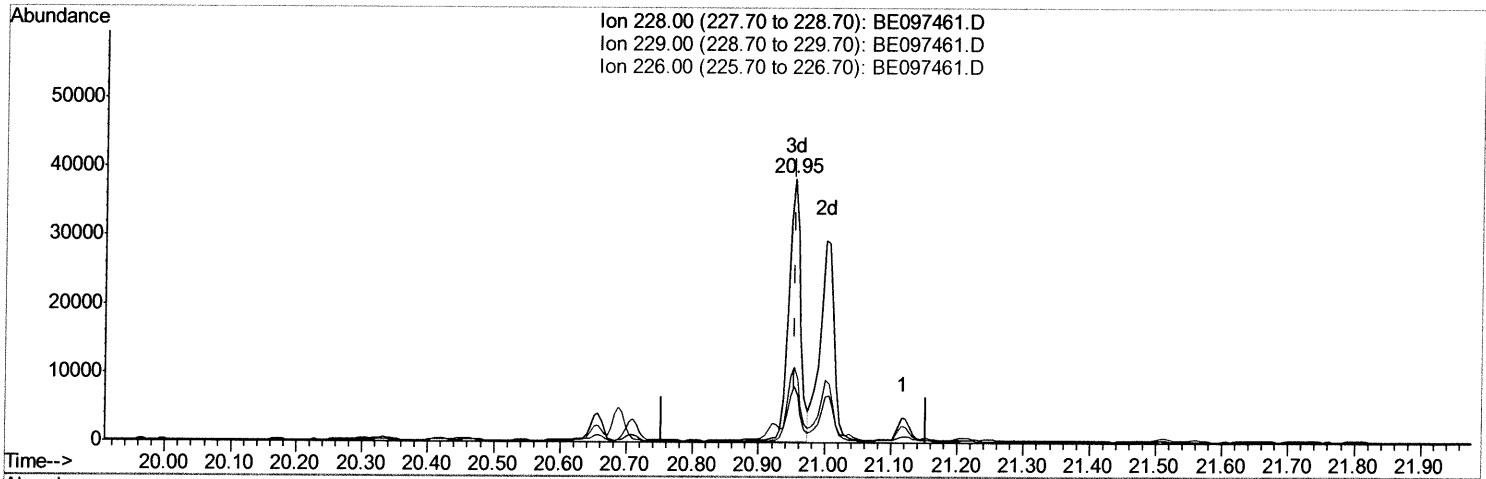
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:38:19 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(18) Benzo(a)anthracene

20.953min (-0.001) 1.93ng/ul m > SJ 9/18/18

response 48936

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 28.50 | 21.27# |
| 226.00 | 21.30 | 28.83# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

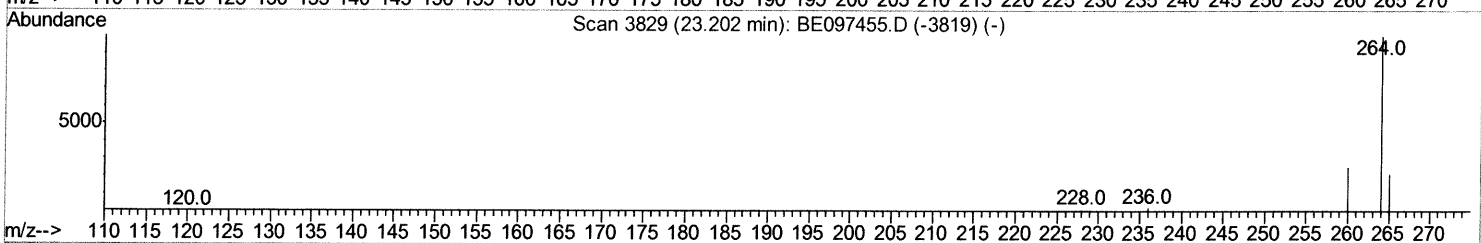
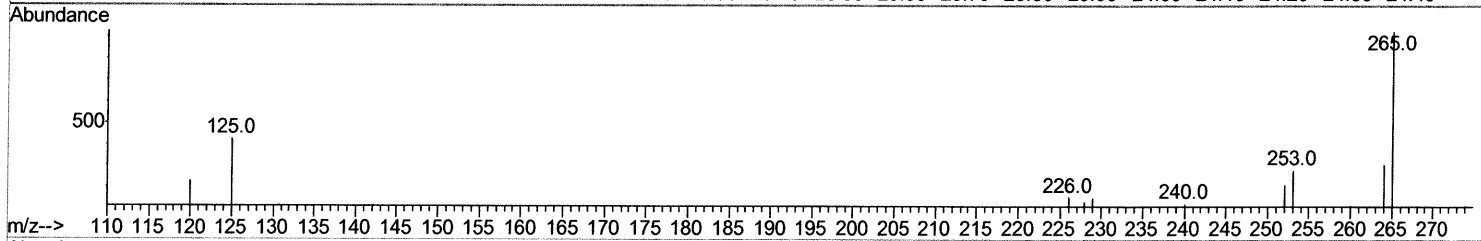
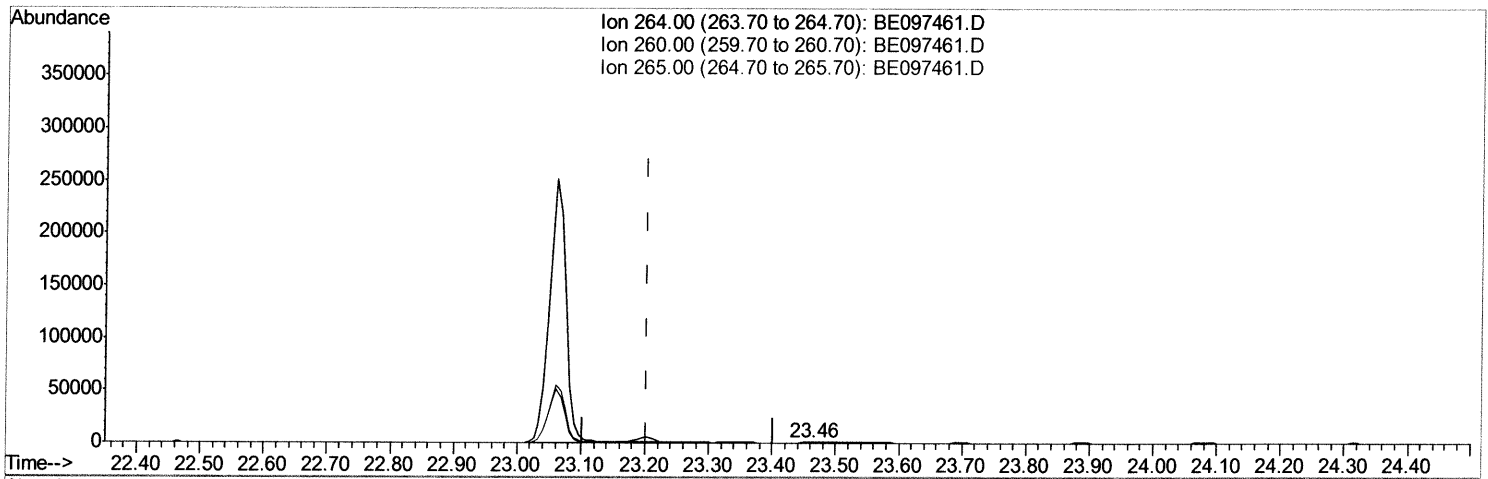
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
Data File : BE097461.D  
Acq On : 12 Sep 2018 21:30  
Operator : SJ/JU  
Sample : J4792-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3YY2

Manual Integrations  
APPROVED

Sohil  
9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:38:19 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 13 01:51:24 2018  
Response via : Initial Calibration



TIC: BE097461.D

(20) Perylene-d12 (I)

23.462min (+0.259) 0.40ng/ul

response 223

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 264.00 | 100    | 100     |
| 260.00 | 30.10  | 38.24#  |
| 265.00 | 103.50 | 303.92# |
| 0.00   | 0.00   | 0.00    |

# Quantitation Report (Qedit)

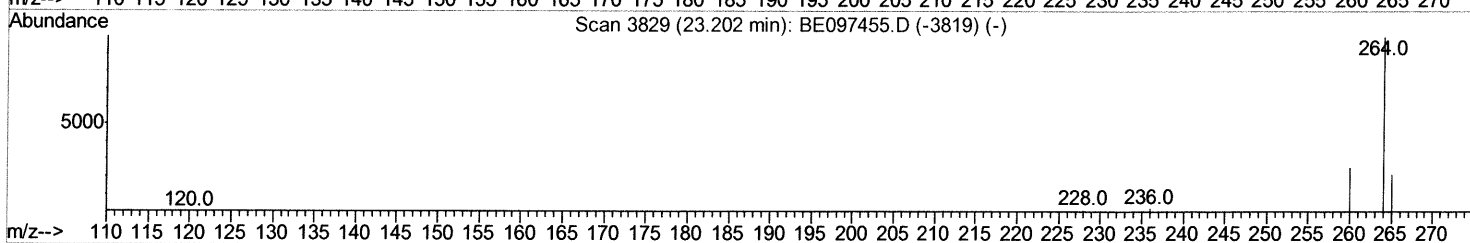
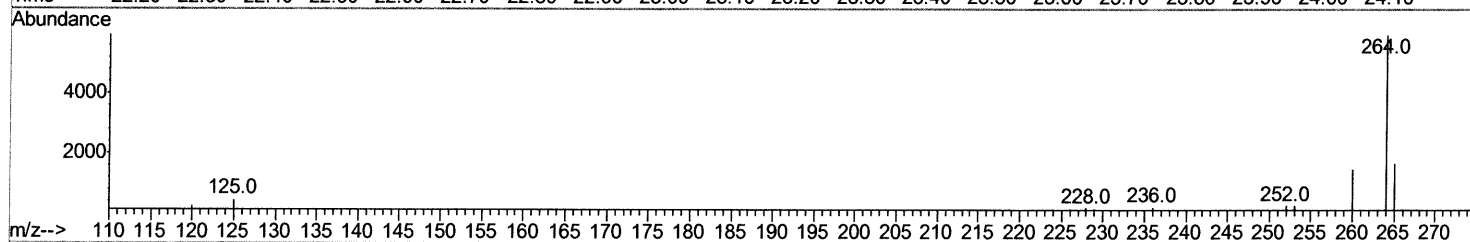
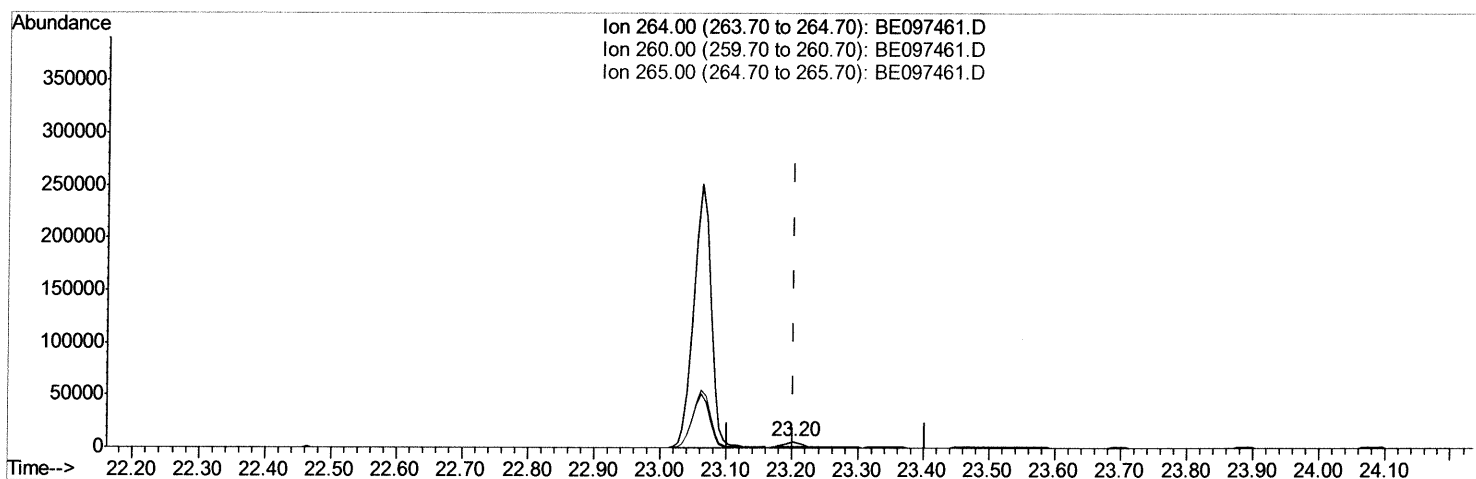
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:38:19 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(20) Perylene-d12 (I)

23.202min (-0.001) 0.40ng/ul m> SJ 9/18/18

response 9444

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 24.91  |
| 265.00 | 103.50 | 28.35# |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

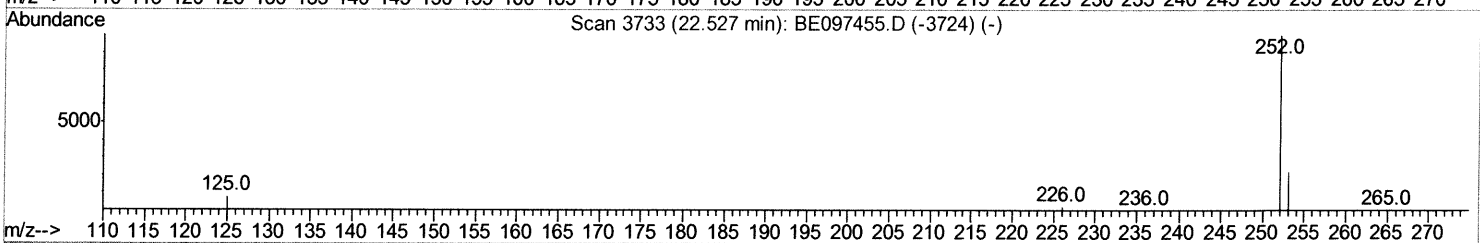
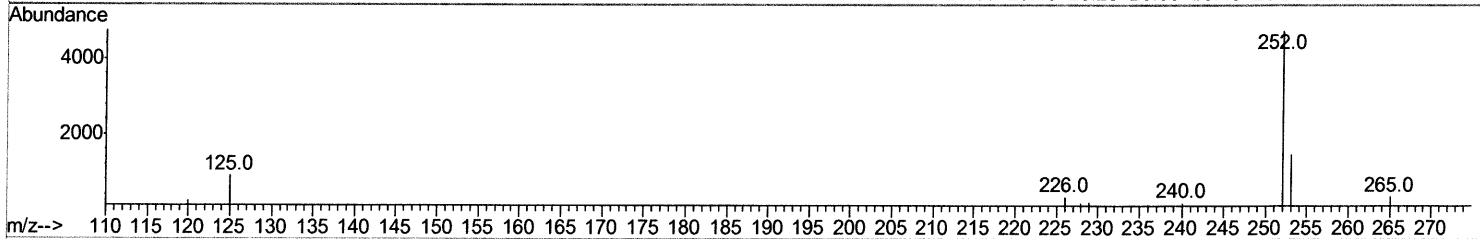
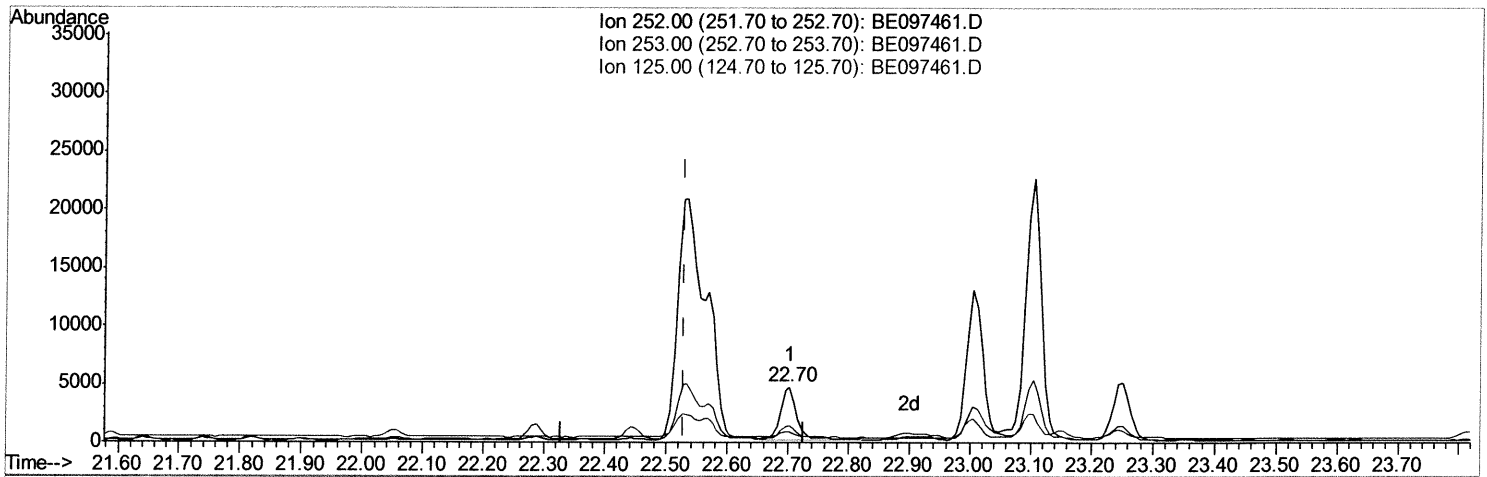
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:39:09 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(21) Benzo(b)fluoranthene

22.703min (+0.175) 0.33ng/ul

response 8439

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 31.04 |
| 125.00 | 17.50 | 18.88 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

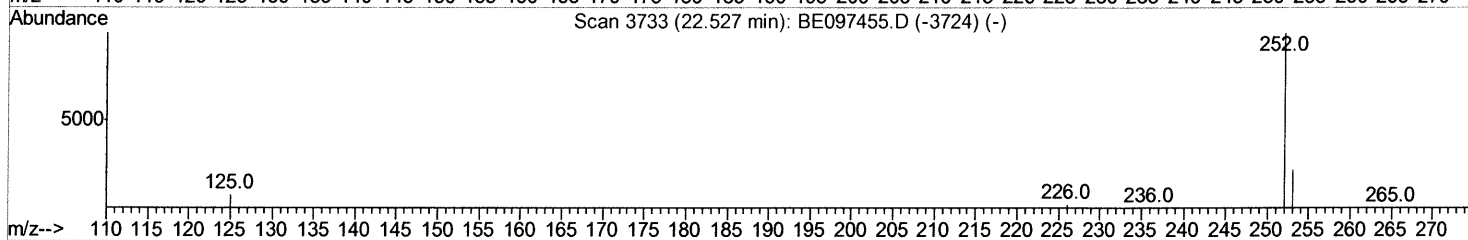
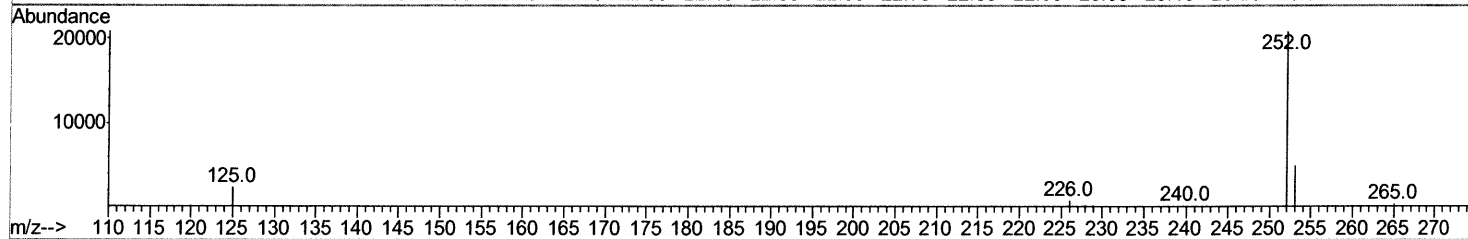
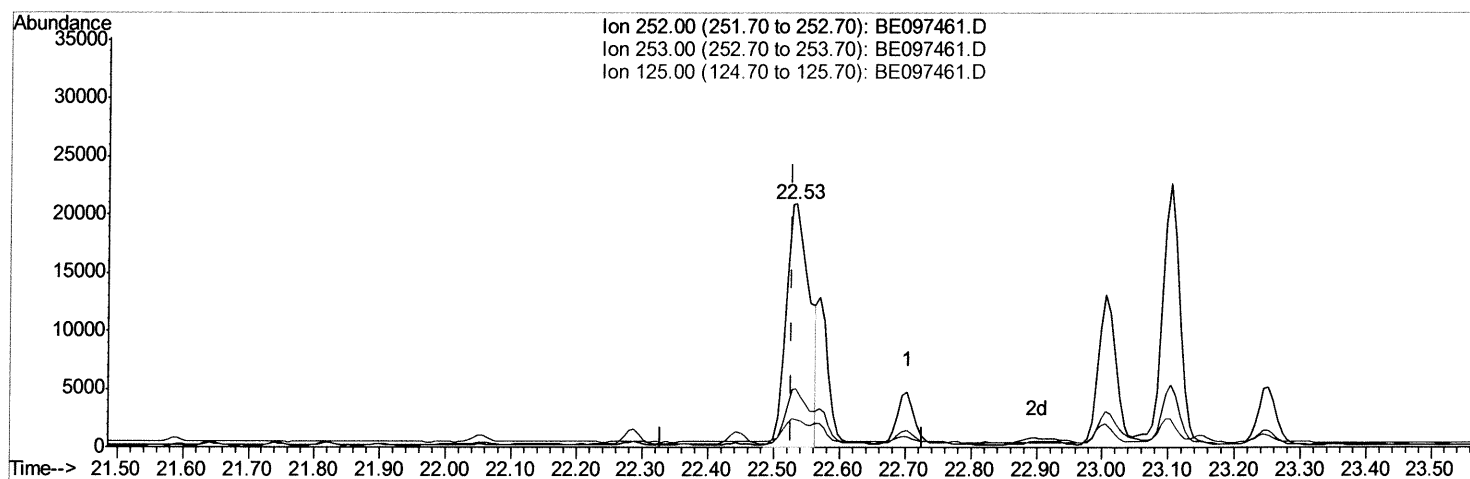
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
Data File : BE097461.D  
Acq On : 12 Sep 2018 21:30  
Operator : SJ/JU  
Sample : J4792-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3YY2

Manual Integrations  
APPROVED

Sohil  
9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:39:09 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 13 01:51:24 2018  
Response via : Initial Calibration



TIC: BE097461.D

(21) Benzo(b)fluoranthene

22.534min (+0.006) 2.09ng/ul m &gt; 50 9/18/18

response 52757

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 23.96 |
| 125.00 | 17.50 | 11.24 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

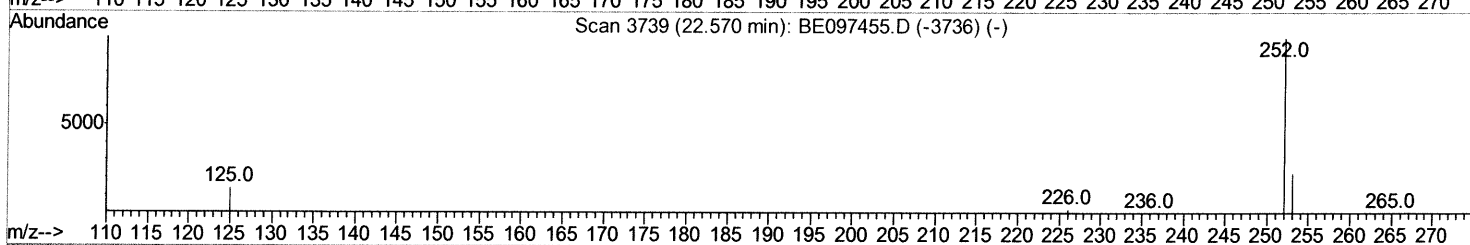
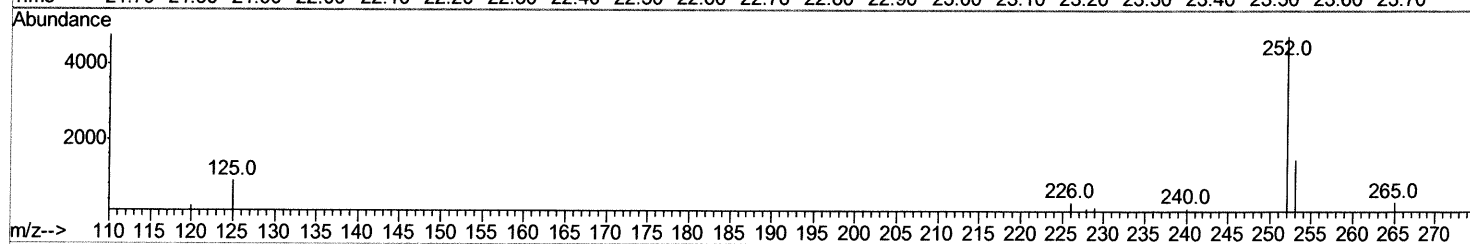
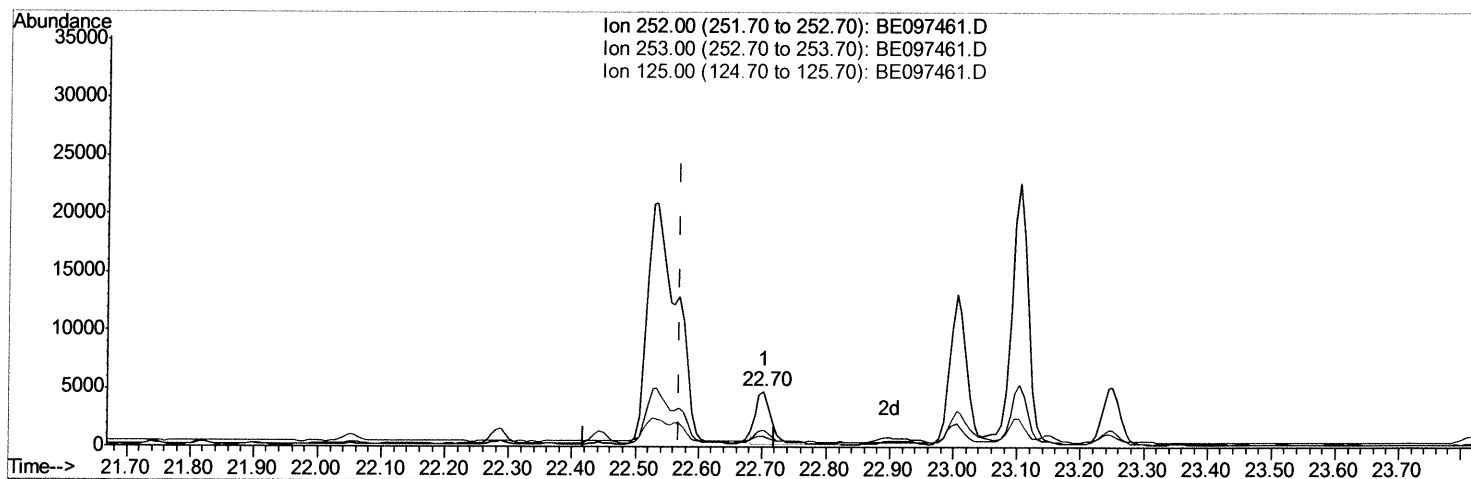
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
Data File : BE097461.D  
Acq On : 12 Sep 2018 21:30  
Operator : SJ/JU  
Sample : J4792-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3YY2

Manual Integrations  
APPROVED

Sohil  
9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:39:09 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 13 01:51:24 2018  
Response via : Initial Calibration



TIC: BE097461.D

(22) Benzo(k)fluoranthene

22.703min (+0.133) 0.27ng/ul

response 7721

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 30.60 | 31.04 |
| 125.00 | 17.10 | 18.88 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

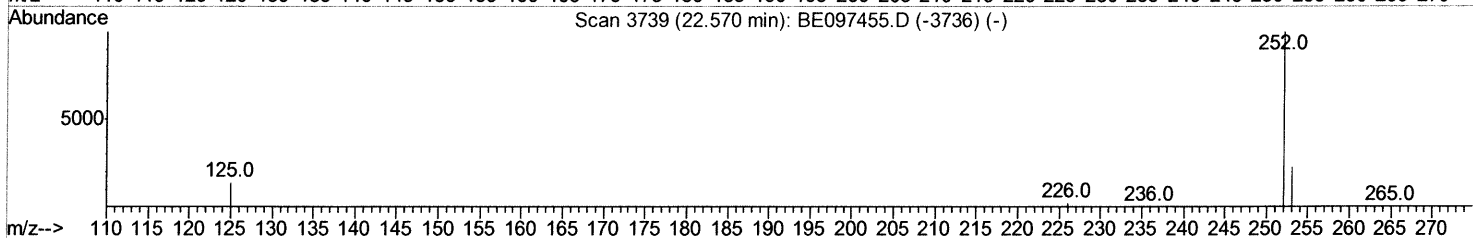
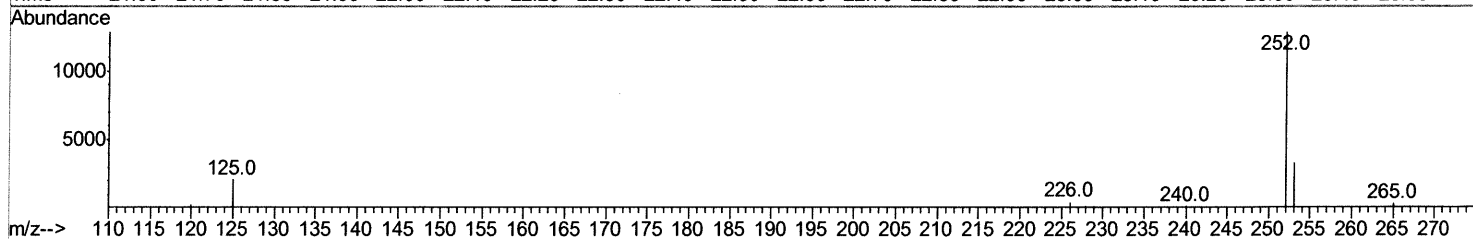
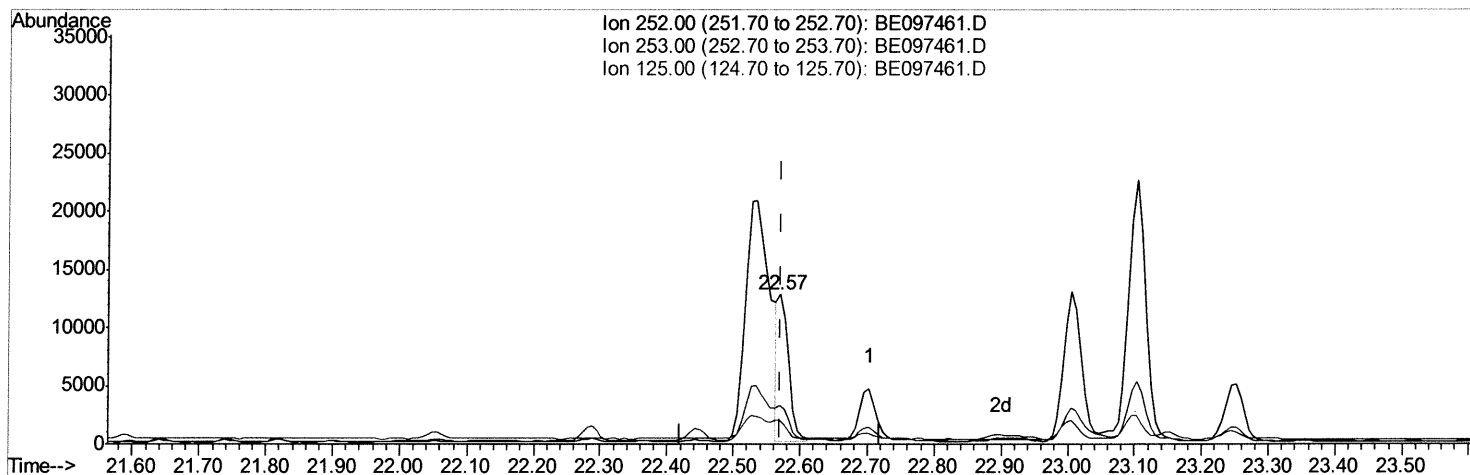
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:39:09 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(22) Benzo(k)fluoranthene

22.569min (-0.001) 0.51ng/ul > SJ 9/18/18

response 14273

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 30.60 | 25.99 |
| 125.00 | 17.10 | 16.38 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

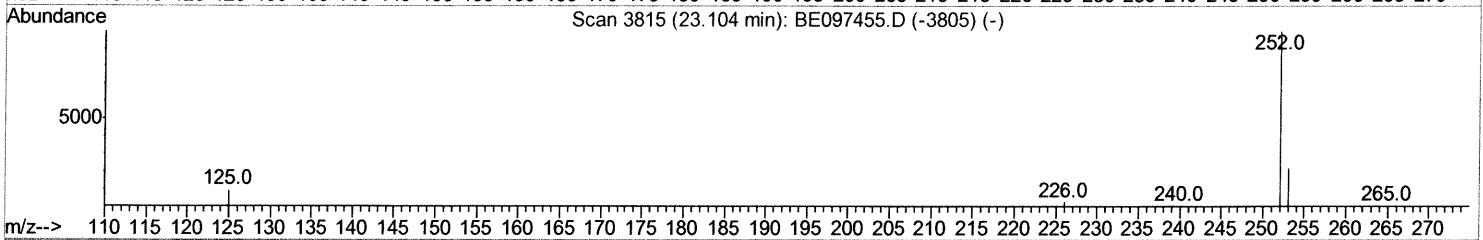
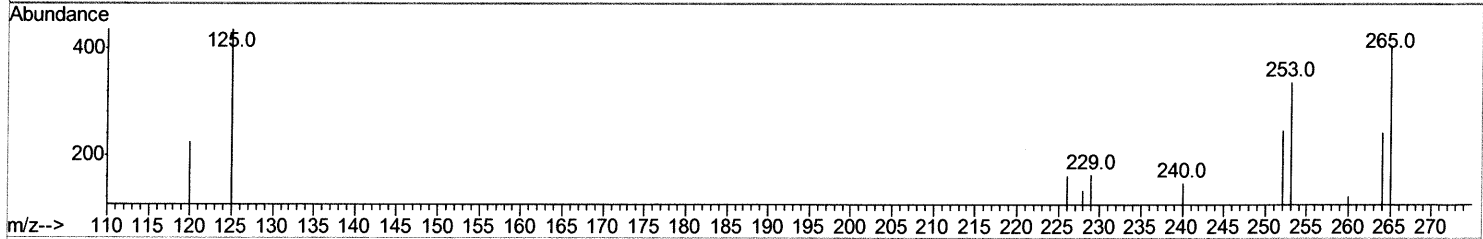
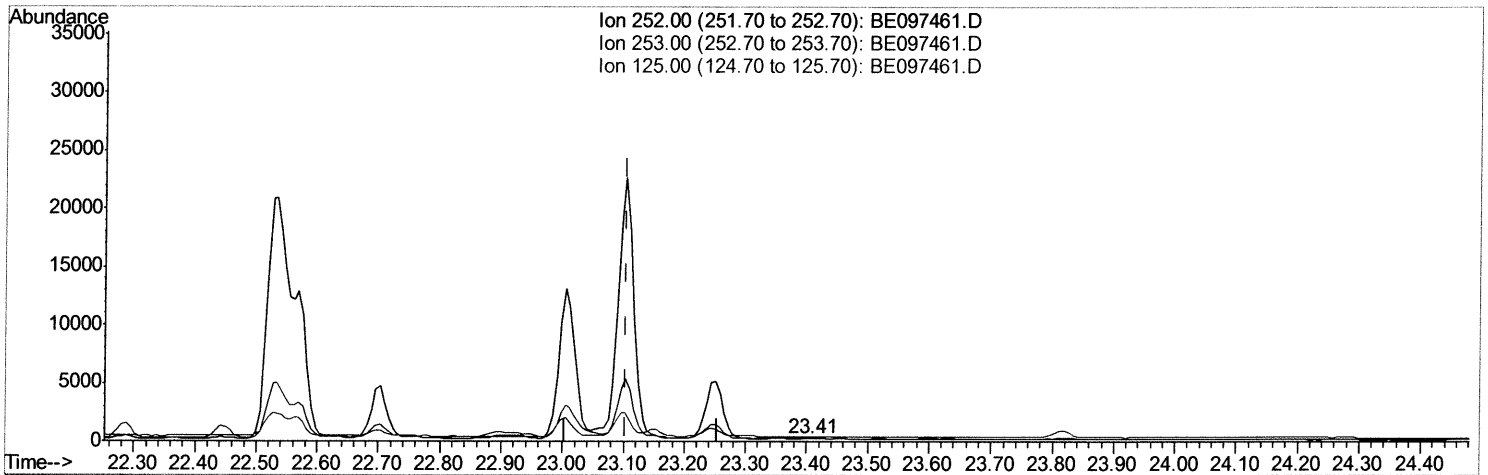
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:39:09 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(23) Benzo(a)pyrene (C)  
 23.406min (+0.302) 0.01ng/ul  
 response 128  

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 35.60 | 136.84# |
| 125.00 | 22.60 | 176.52# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

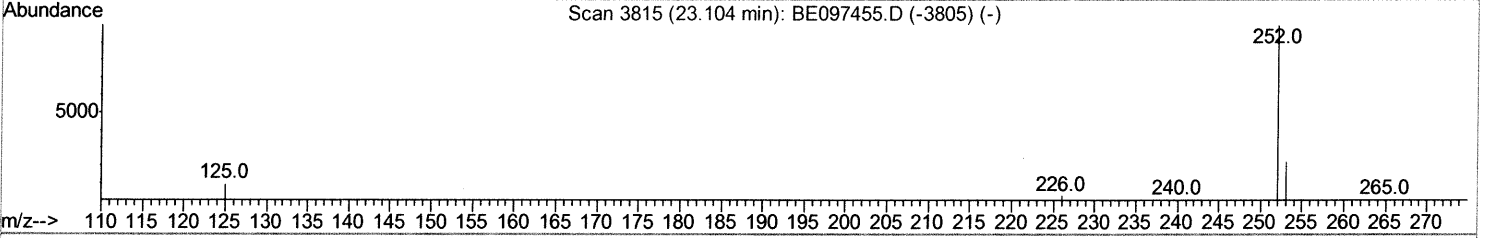
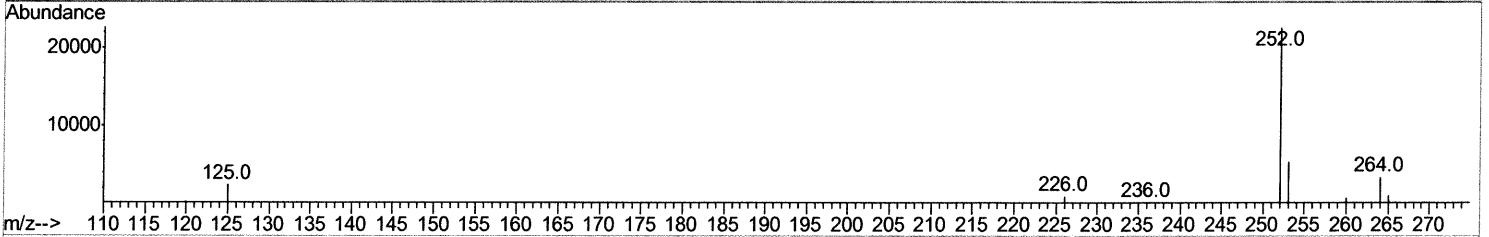
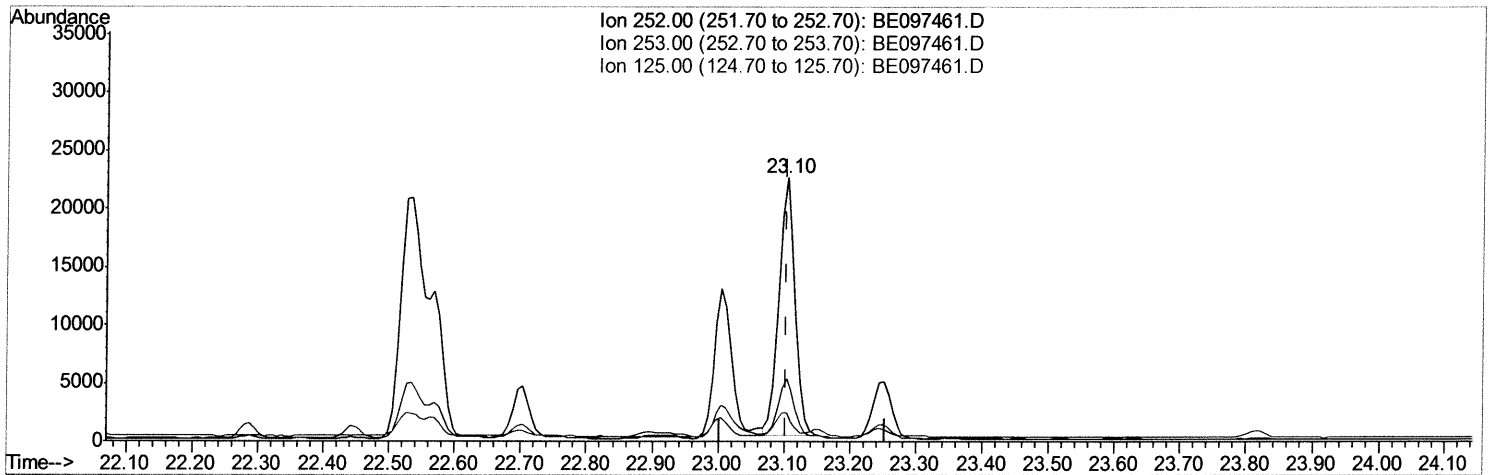
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:39:09 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(23) Benzo(a)pyrene (C)

23.103min (-0.001) 1.64ng/ul m > SJ 9/18/18

response 38259

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 23.51# |
| 125.00 | 22.60 | 10.78# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

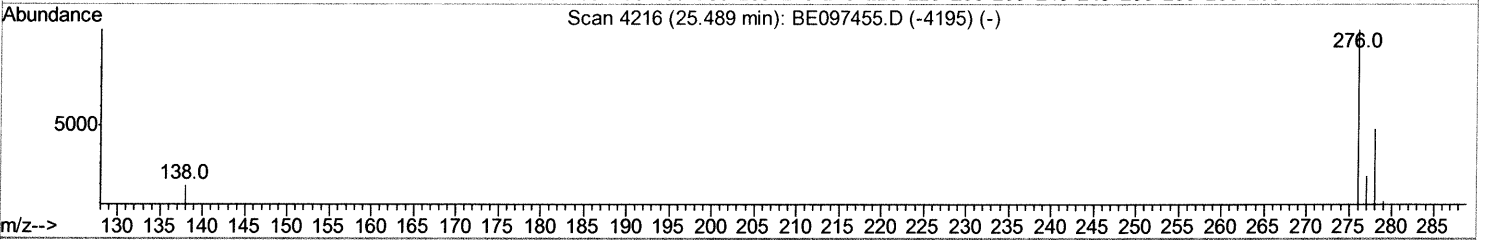
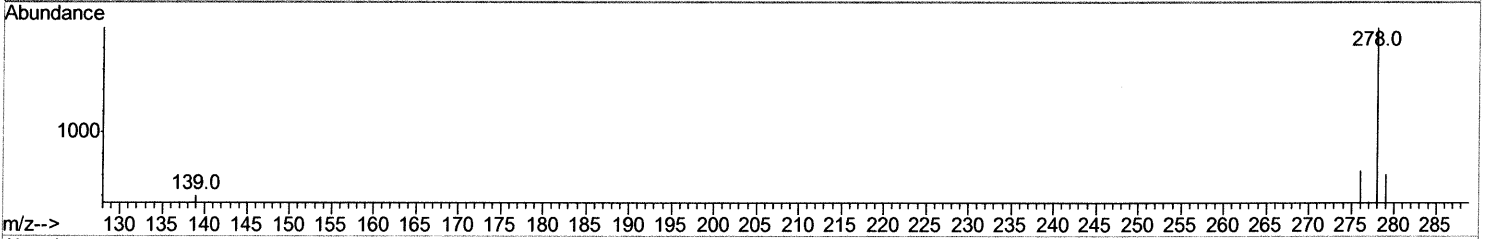
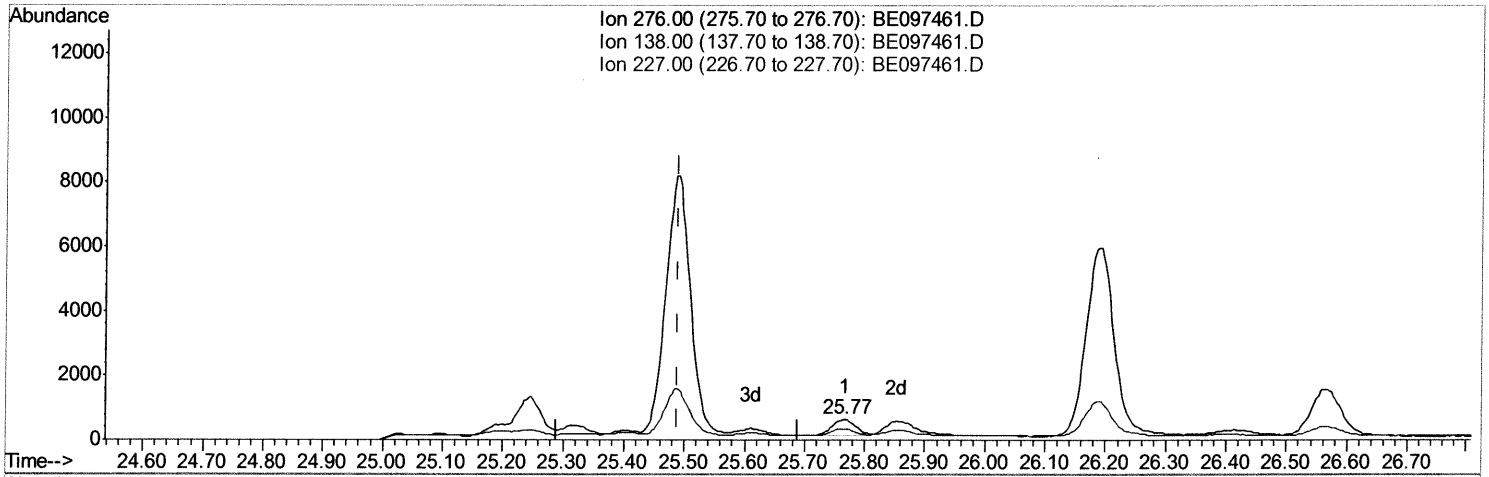
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:39:09 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



(24) Indeno(1,2,3-cd)pyrene  
 25.768min (+0.278) 0.05ng/ul  
 response 1384  

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 35.00 | 43.06# |
| 227.00 | 10.00 | 0.00#  |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

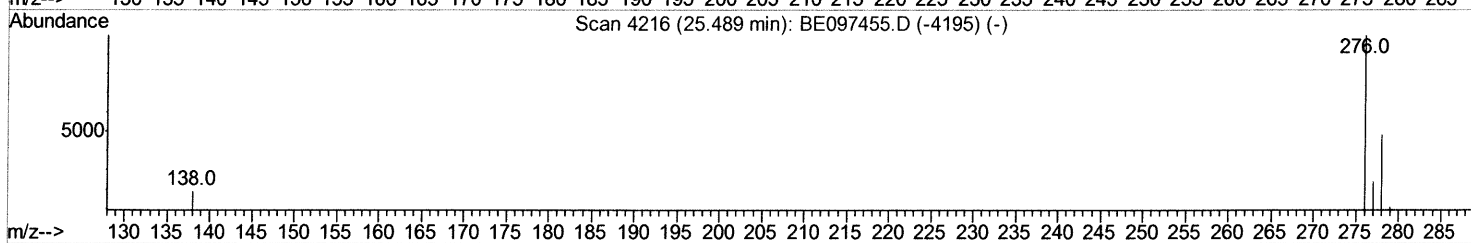
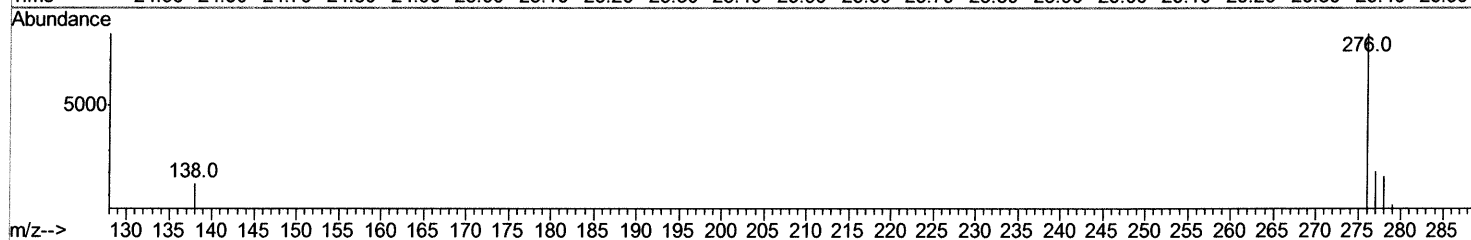
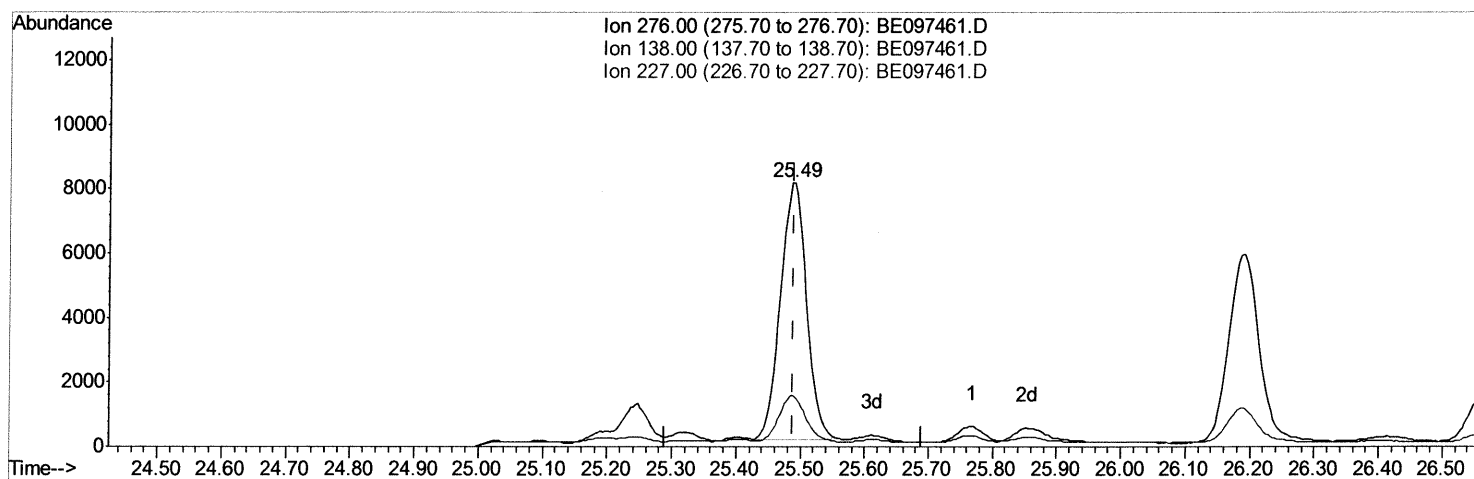
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
Data File : BE097461.D  
Acq On : 12 Sep 2018 21:30  
Operator : SJ/JU  
Sample : J4792-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3YY2

Manual Integrations  
APPROVED

Sohil  
9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:39:09 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 13 01:51:24 2018  
Response via : Initial Calibration



TIC: BE097461.D

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

25.489min (-0.000) 0.74ng/ul m) 50 9/18/18

response 22363

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 2.67# |
| 227.00 | 10.00 | 0.00# |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

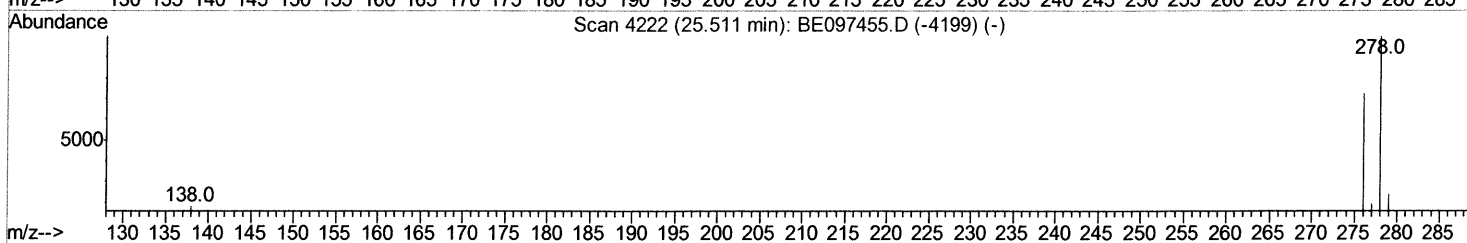
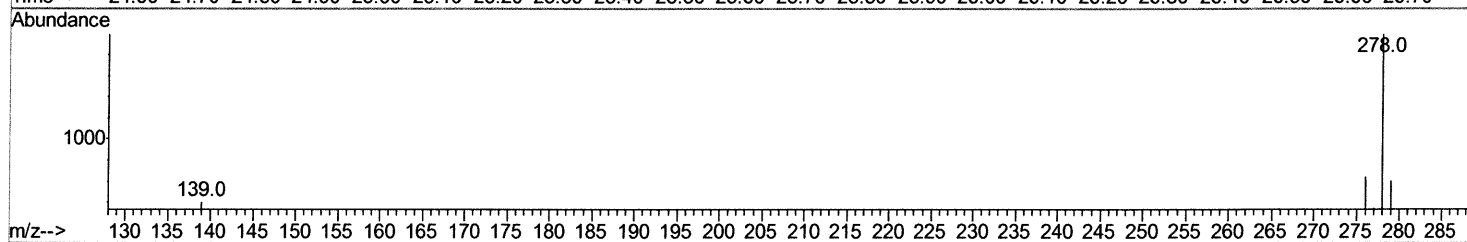
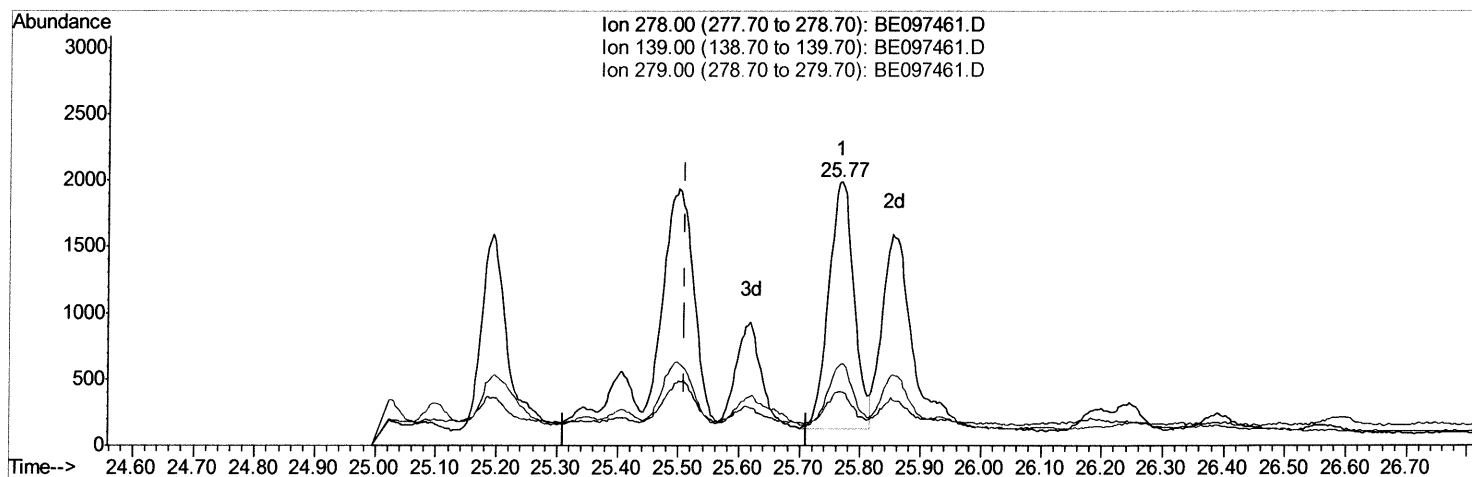
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
Data File : BE097461.D  
Acq On : 12 Sep 2018 21:30  
Operator : SJ/JU  
Sample : J4792-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3YY2

Manual Integrations  
APPROVED

Sohil  
9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:39:09 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 13 01:51:24 2018  
Response via : Initial Calibration



TIC: BE097461.D

(25) Dibenzo(a,h)anthracene

25.768min (+0.257) 0.21ng/ul

response 5413

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 21.70 | 20.43 |
| 279.00 | 32.40 | 30.77 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

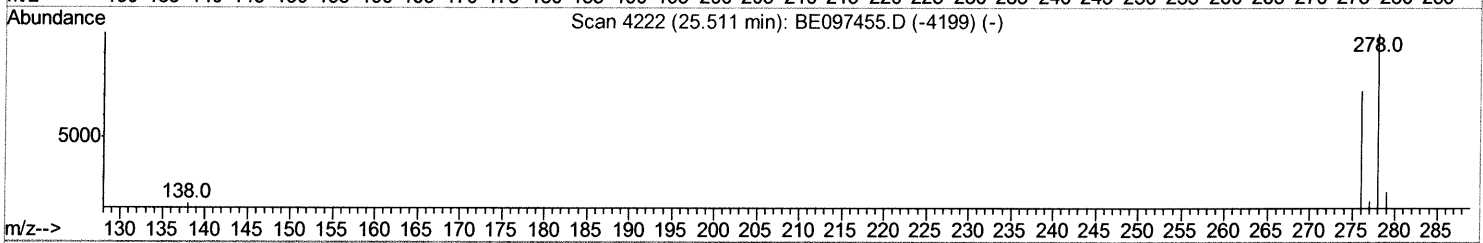
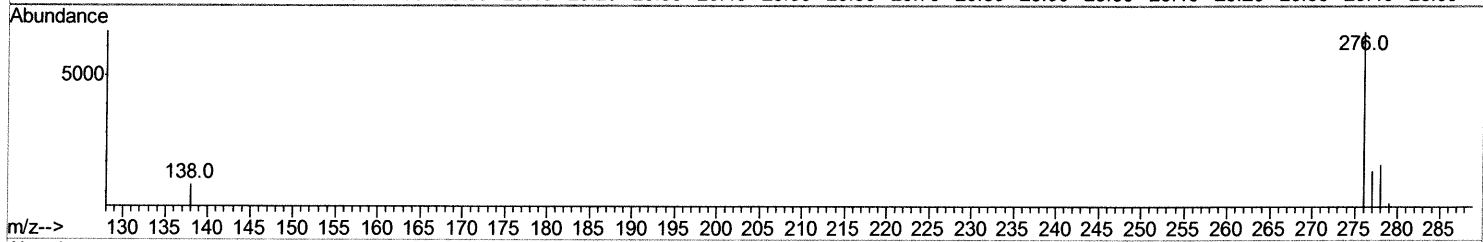
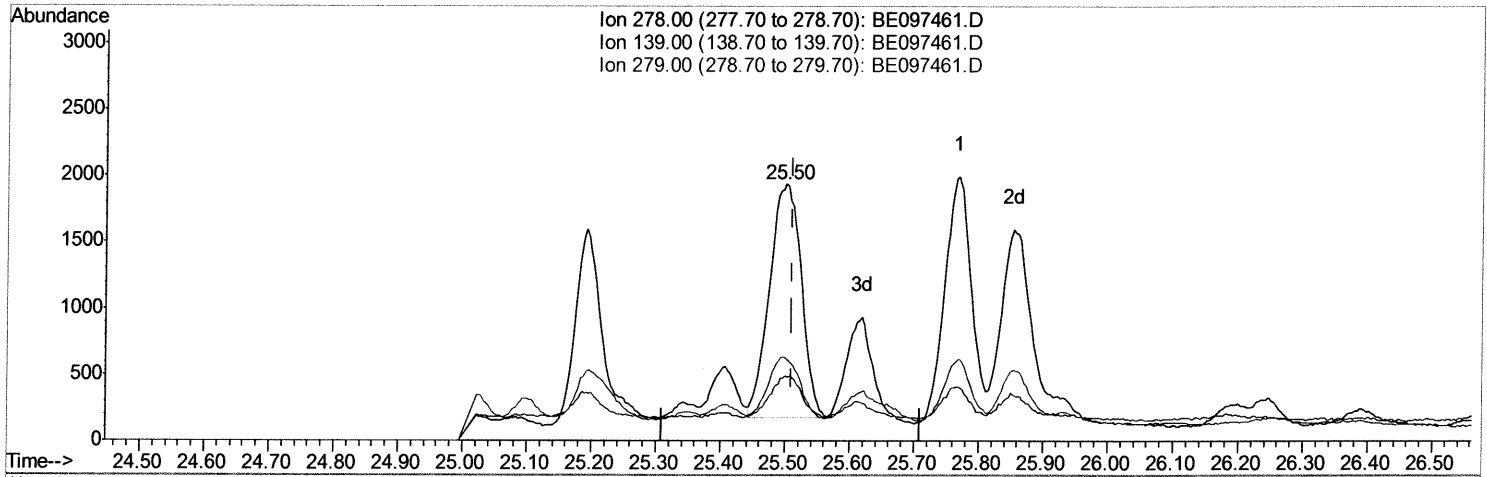
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 A3YY2

Manual Integrations  
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 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:39:09 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

(25) Dibenzo(a,h)anthracene

25.500min (-0.011) 0.24ng/ul m > 50 9/18/18

response 6067

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 21.70 | 25.25 |
| 279.00 | 32.40 | 32.42 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

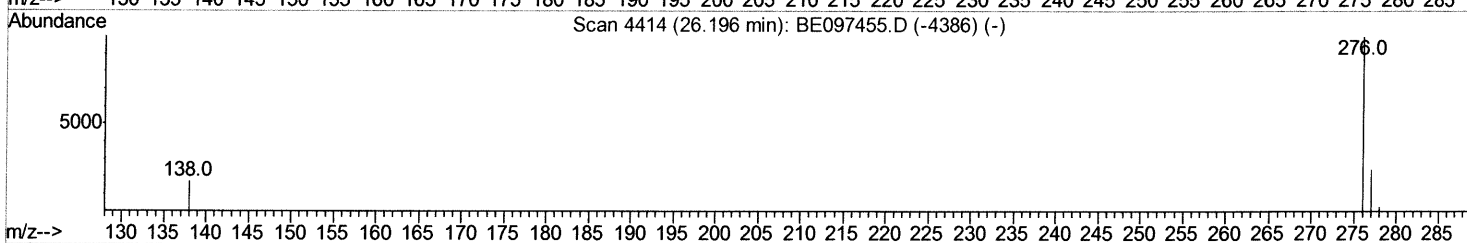
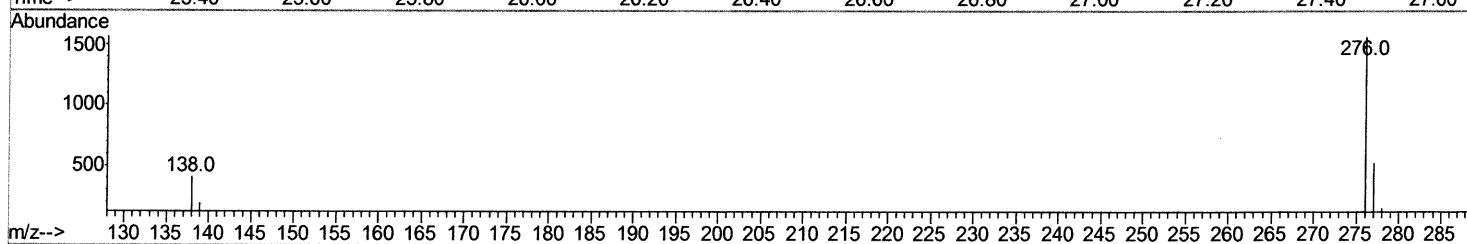
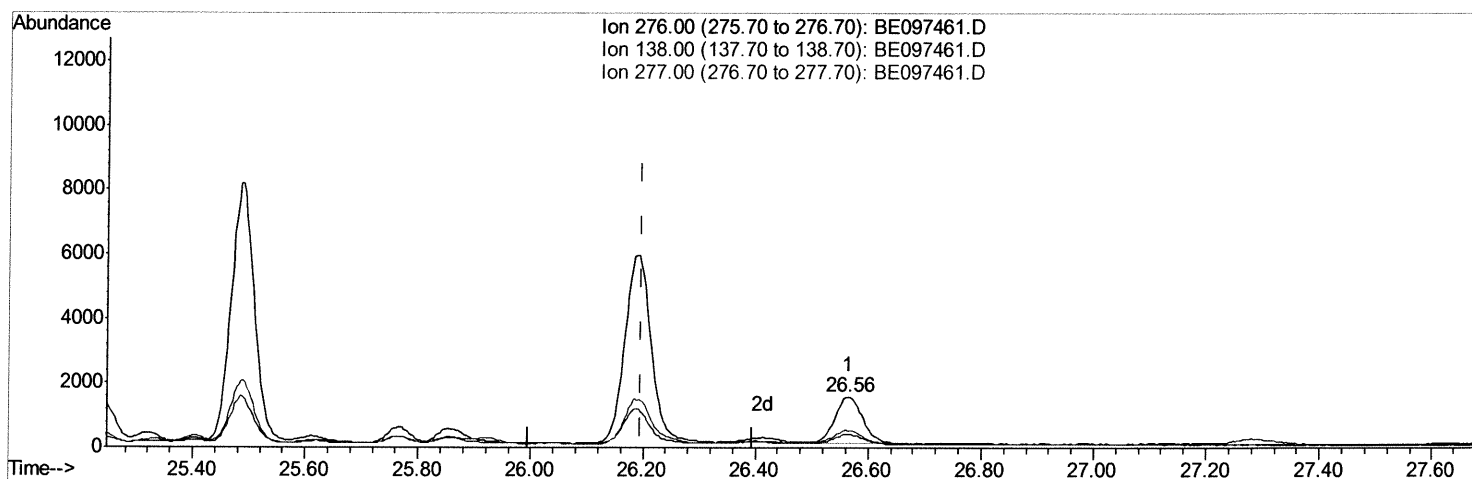
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:39:09 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

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

26.563min (+0.367) 0.19ng/ul

response 5027

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 27.30 | 25.91  |
| 277.00 | 25.60 | 33.44# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

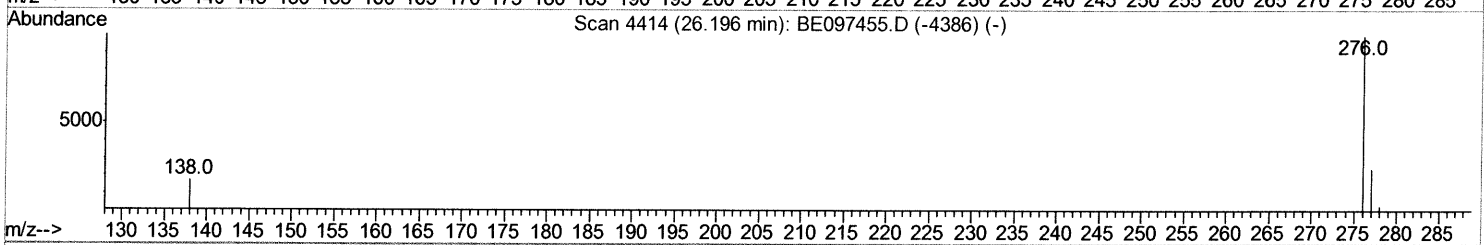
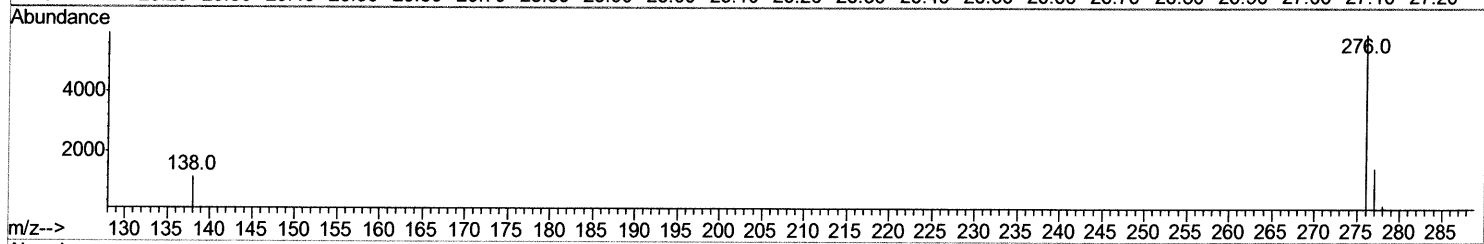
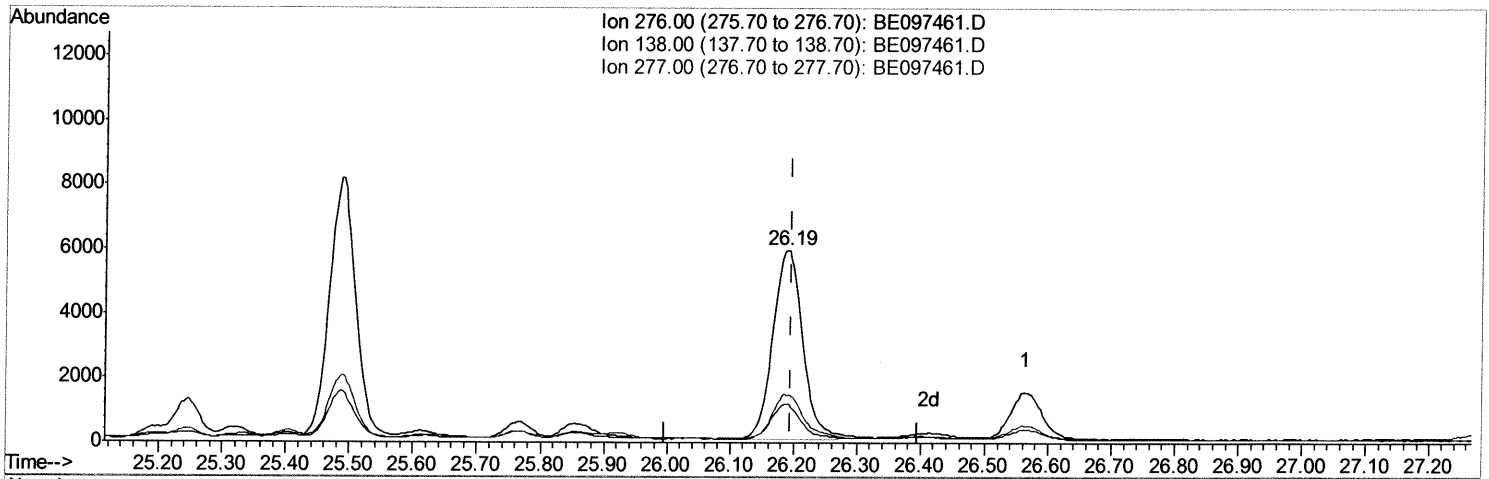
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:39:09 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:51:24 2018  
 Response via : Initial Calibration



TIC: BE097461.D

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

26.192min (-0.004) 0.74ng/ul m) SJ 9/18/18

response 19102

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 27.30 | 19.78# |
| 277.00 | 25.60 | 24.95  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3YY2

Manual Integrations  
 APPROVED

Sohil  
 9/13/2018 5:42:27 PM

Quant Time: Sep 13 02:41:03 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Sep 13 01:51:24 2018

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.38  | 152  | 850      | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.12 | 136  | 4740     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.01 | 164  | 3405     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 16.76 | 188  | 8955m    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 20.97 | 240  | 9881m    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.20 | 264  | 9444m    | 0.40 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                            |       |     |       |      |       |      |
|----------------------------|-------|-----|-------|------|-------|------|
| 4) 2-Methylnaphthalene-d10 | 11.71 | 152 | 1502  | 0.20 | ng/ul | 0.00 |
| 14) Fluoranthene-d10       | 18.80 | 212 | 5515m | 0.19 | ng/ul | 0.00 |

#### Target Compounds

|                            |       |     |         |       | Ovalue |    |
|----------------------------|-------|-----|---------|-------|--------|----|
| 3) Naphthalene             | 10.17 | 128 | 13354   | 1.155 | ng/ul# | 91 |
| 5) 2-Methylnaphthalene     | 11.79 | 142 | 4558    | 0.624 | ng/ul  | 97 |
| 7) Acenaphthylene          | 13.72 | 152 | 8042    | 0.648 | ng/ul  | 98 |
| 8) Acenaphthene            | 14.07 | 153 | 4926    | 0.462 | ng/ul  | 95 |
| 9) Fluorene                | 15.07 | 166 | 12980   | 1.062 | ng/ul  | 92 |
| 12) Phenanthrene           | 16.80 | 178 | 110031m | 4.773 | ng/ul  |    |
| 13) Anthracene             | 16.89 | 178 | 26818m  | 1.384 | ng/ul  |    |
| 15) Fluoranthene           | 18.83 | 202 | 107368m | 3.626 | ng/ul  |    |
| 17) Pyrene                 | 19.20 | 202 | 100125  | 3.766 | ng/ul# | 80 |
| 18) Benzo(a)anthracene     | 20.95 | 228 | 48936m  | 1.928 | ng/ul  |    |
| 19) Chrysene               | 21.00 | 228 | 42074   | 1.439 | ng/ul  | 97 |
| 21) Benzo(b)fluoranthene   | 22.53 | 252 | 52757m  | 2.086 | ng/ul  |    |
| 22) Benzo(k)fluoranthene   | 22.57 | 252 | 14273m  | 0.506 | ng/ul  |    |
| 23) Benzo(a)pyrene         | 23.10 | 252 | 38259m  | 1.635 | ng/ul  |    |
| 24) Indeno(1,2,3-cd)pyrene | 25.49 | 276 | 22363m  | 0.737 | ng/ul  |    |
| 25) Dibenzo(a,h)anthracene | 25.50 | 278 | 6067m   | 0.236 | ng/ul  |    |
| 26) Benzo(a,h,i)perylene   | 26.19 | 276 | 19102m  | 0.739 | ng/ul  |    |

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