

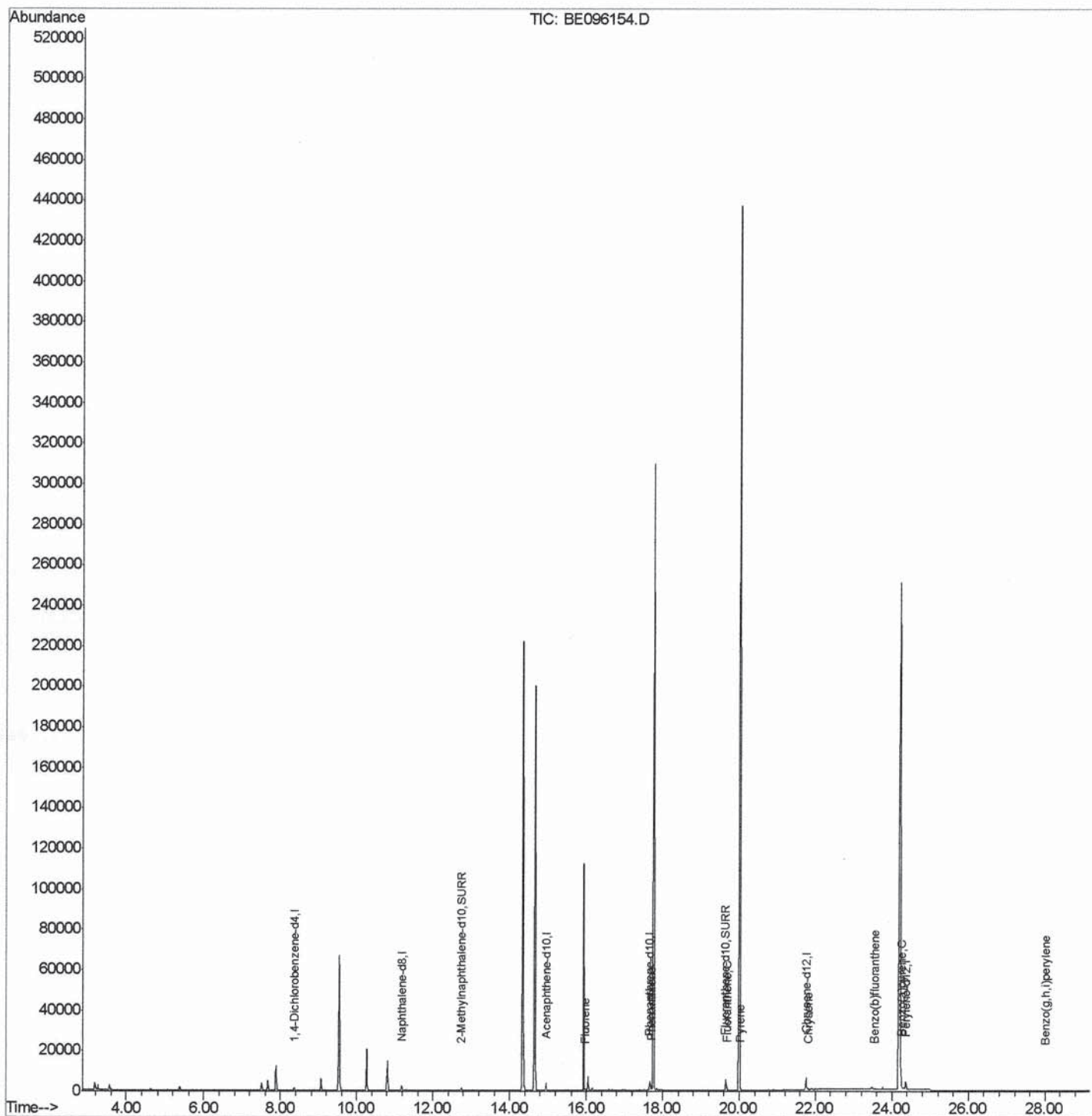
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
Data File : BE096154.D  
Acq On : 25 Apr 2018 18:52  
Operator : SJ/JU  
Sample : J2467-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3XX0

Manual Integrations  
APPROVED

Sohil  
4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:29:36 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 26 05:06:09 2018  
Response via : Initial Calibration



# Quantitation Report (Qedit)

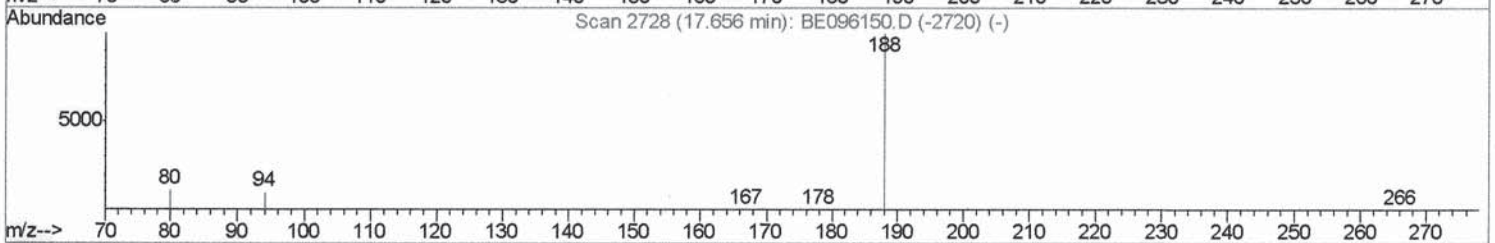
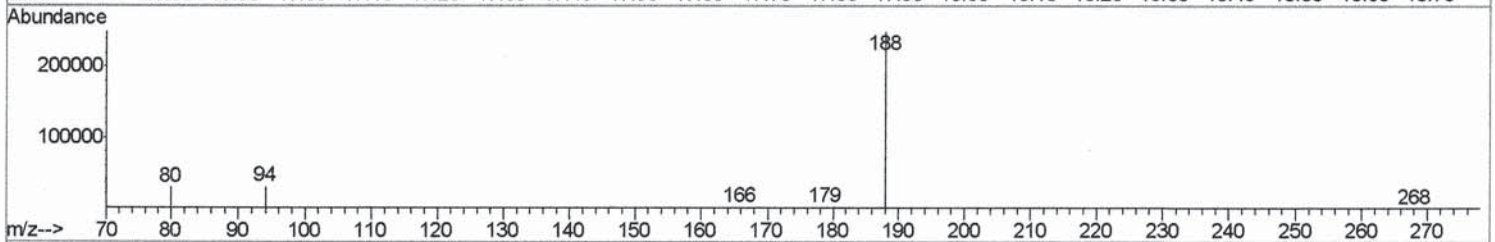
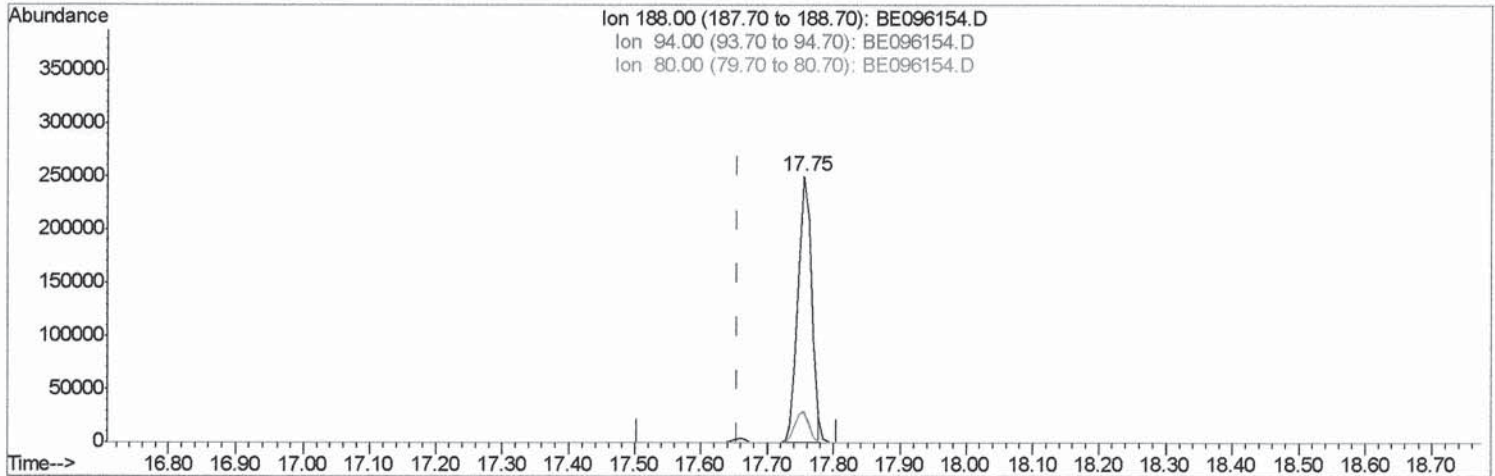
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
 Data File : BE096154.D  
 Acq On : 25 Apr 2018 18:52  
 Operator : SJ/JU  
 Sample : J2467-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3XX0

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:07:30 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 26 05:06:09 2018  
 Response via : Initial Calibration



TIC: BE096154.D

(10) Phenanthrene-d10 (I)

17.754min (+0.099) 0.40ng/ul

response 355303

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 12.02 |
| 80.00  | 11.80 | 11.55 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

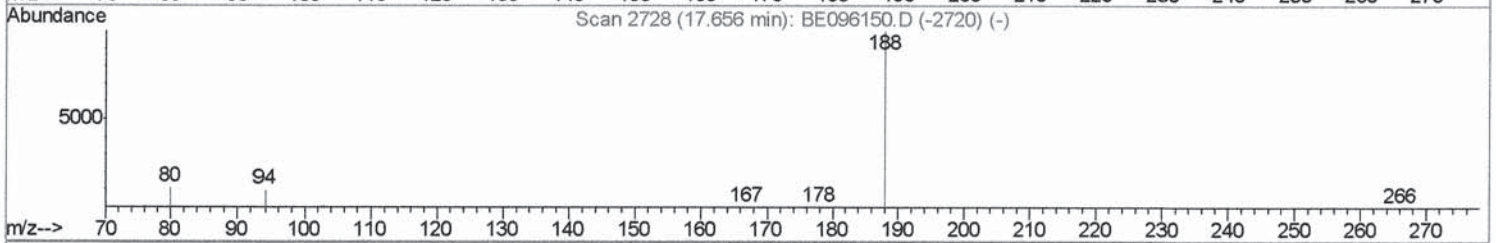
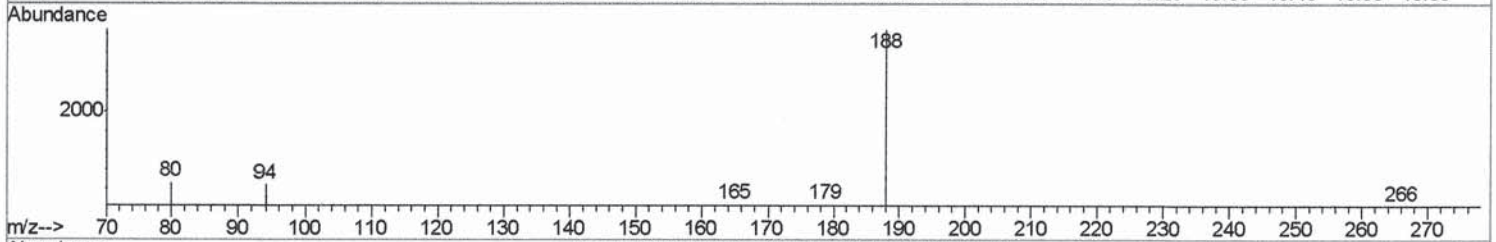
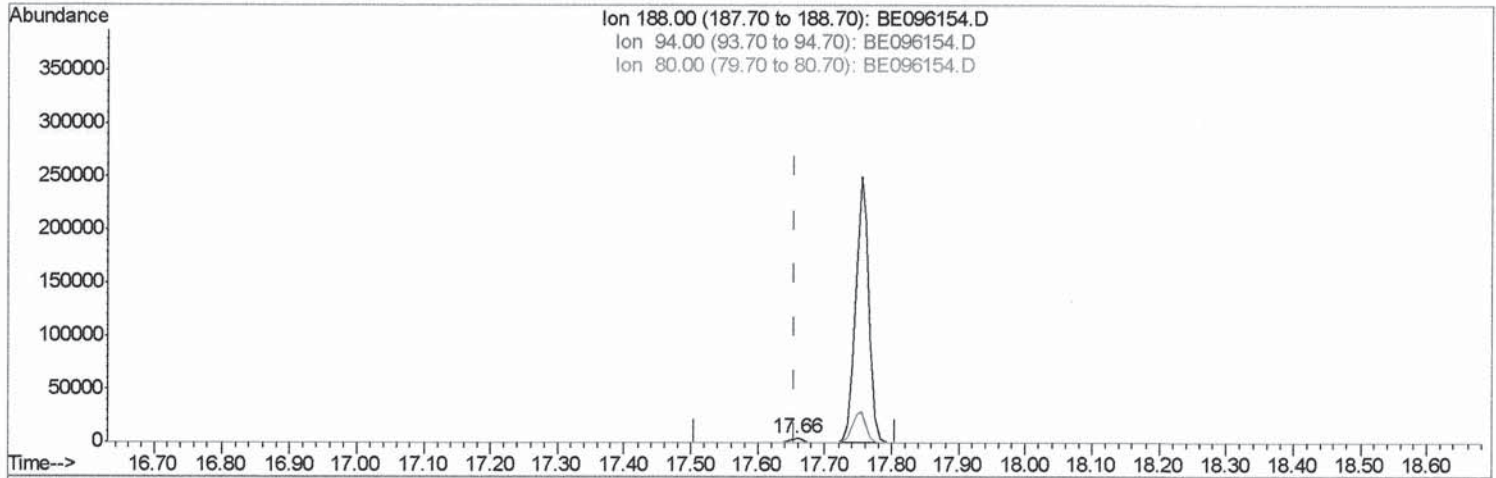
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
 Data File : BE096154.D  
 Acq On : 25 Apr 2018 18:52  
 Operator : SJ/JU  
 Sample : J2467-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3XX0

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:07:30 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 26 05:06:09 2018  
 Response via : Initial Calibration



TIC: BE096154.D

(10) Phenanthrene-d10 (I)

17.656min (+0.000) 0.40ng/ul m

response 5339

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 11.00 | 13.15  |
| 80.00  | 11.80 | 14.20# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

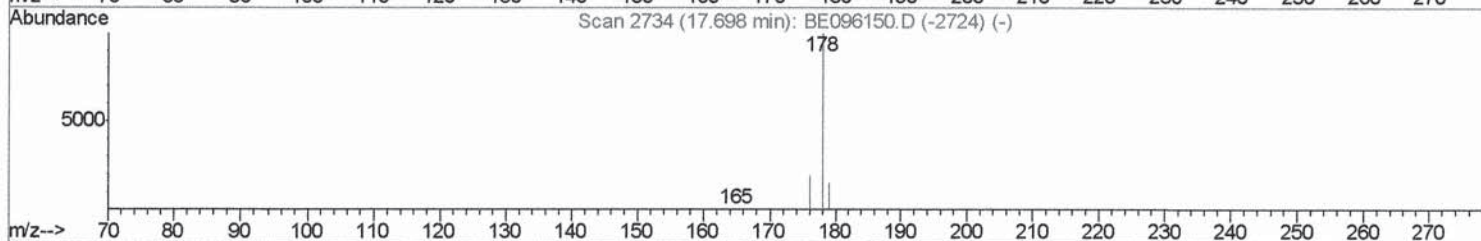
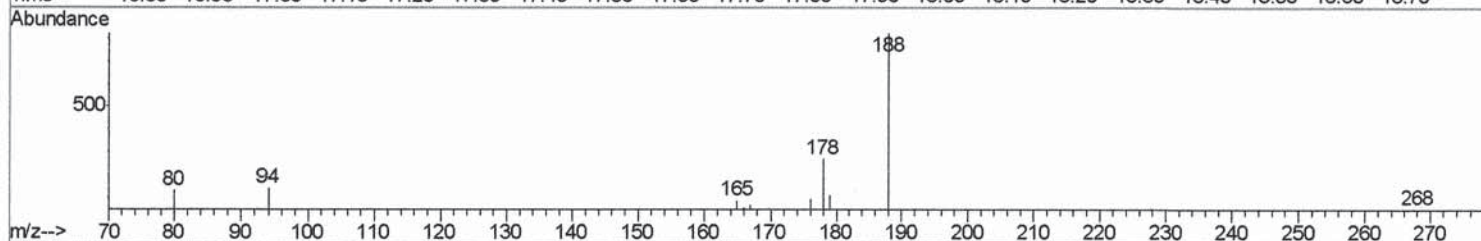
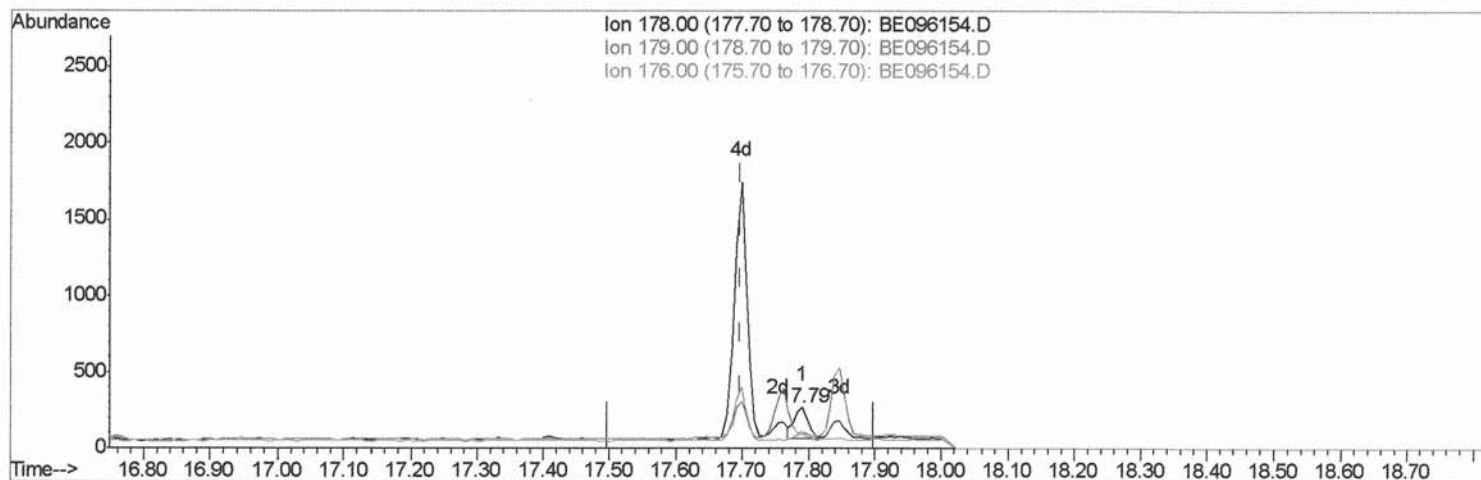
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
 Data File : BE096154.D  
 Acq On : 25 Apr 2018 18:52  
 Operator : SJ/JU  
 Sample : J2467-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3XX0

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:25:32 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 26 05:06:09 2018  
 Response via : Initial Calibration



TIC: BE096154.D

(12) Phenanthrene

17.789min (+0.091) 0.02ng/ul

response 290

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 23.00 | 40.45# |
| 176.00 | 17.00 | 35.58# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

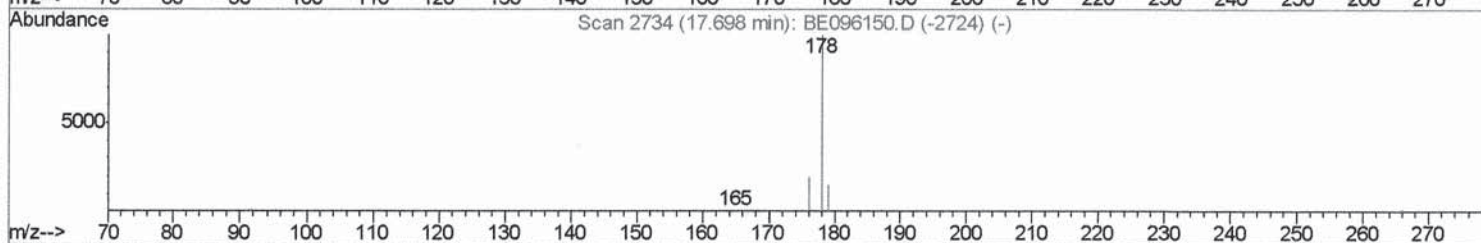
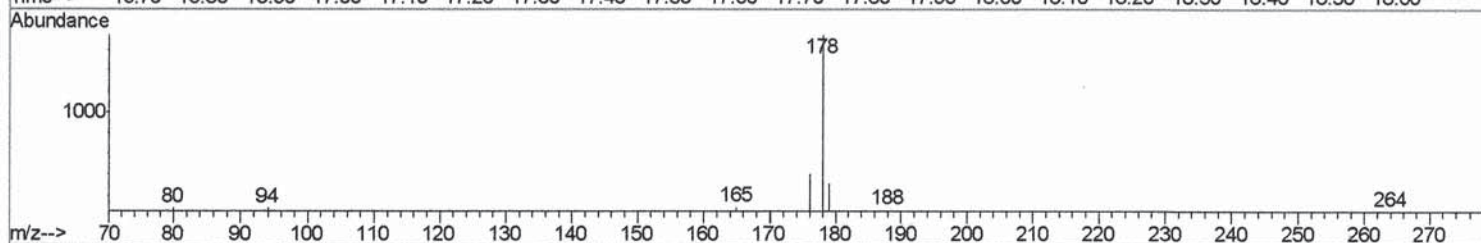
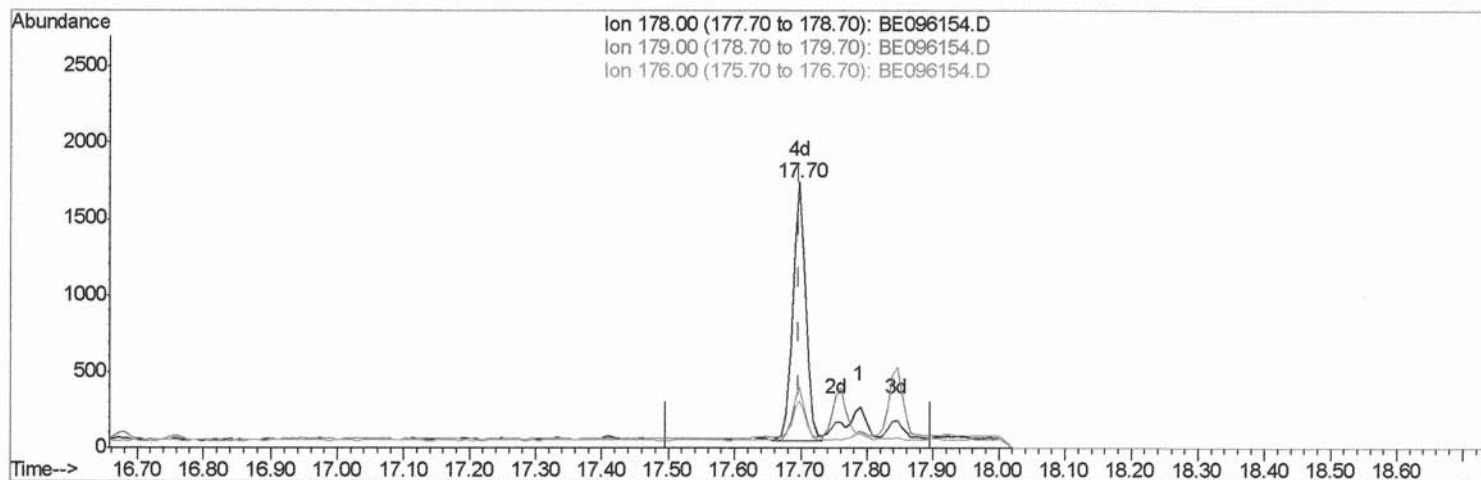
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
 Data File : BE096154.D  
 Acq On : 25 Apr 2018 18:52  
 Operator : SJ/JU  
 Sample : J2467-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 A3XX0

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:25:32 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 26 05:06:09 2018  
 Response via : Initial Calibration



TIC: BE096154.D

(12) Phenanthrene

17.698min (+0.000) 0.15ng/ul m

response 2405

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 23.00 | 17.86# |
| 176.00 | 17.00 | 23.15# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

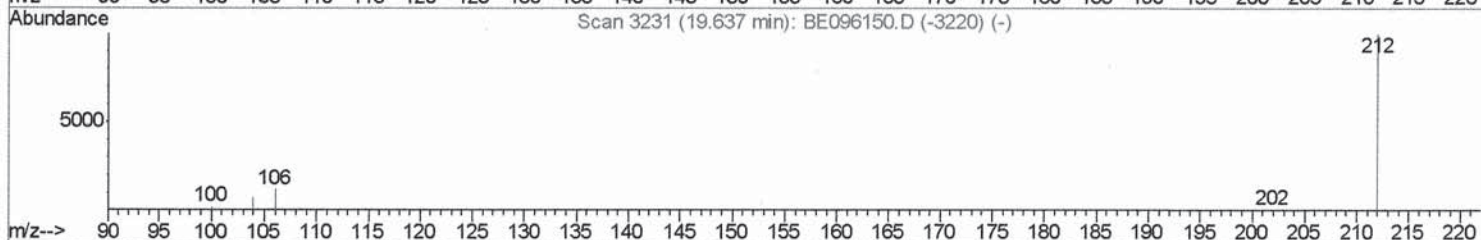
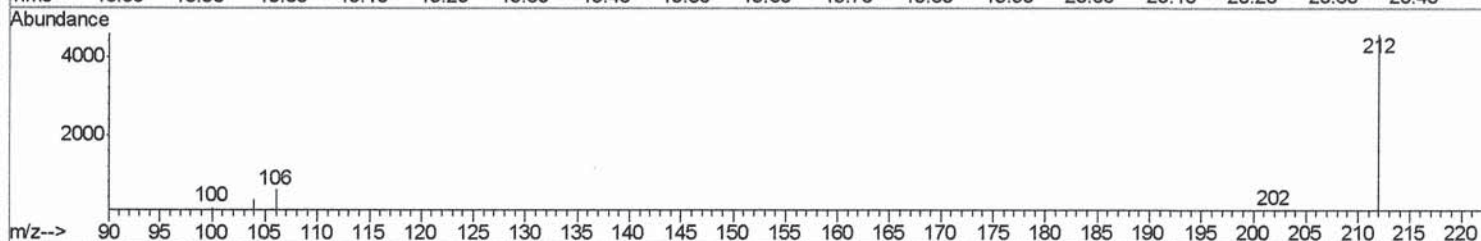
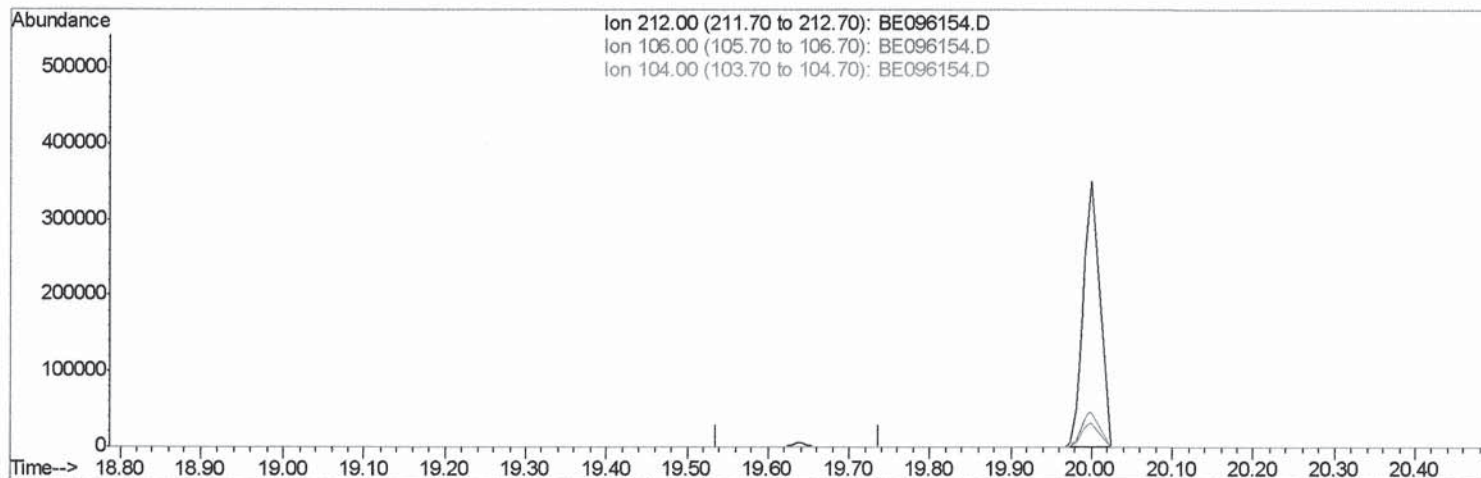
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
Data File : BE096154.D  
Acq On : 25 Apr 2018 18:52  
Operator : SJ/JU  
Sample : J2467-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3XX0

Manual Integrations  
APPROVED

Sohil  
4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:25:32 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 26 05:06:09 2018  
Response via : Initial Calibration



TIC: BE096154.D

(14) Fluoranthene-d10 (SURR)

19.637min (-19.637) 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)

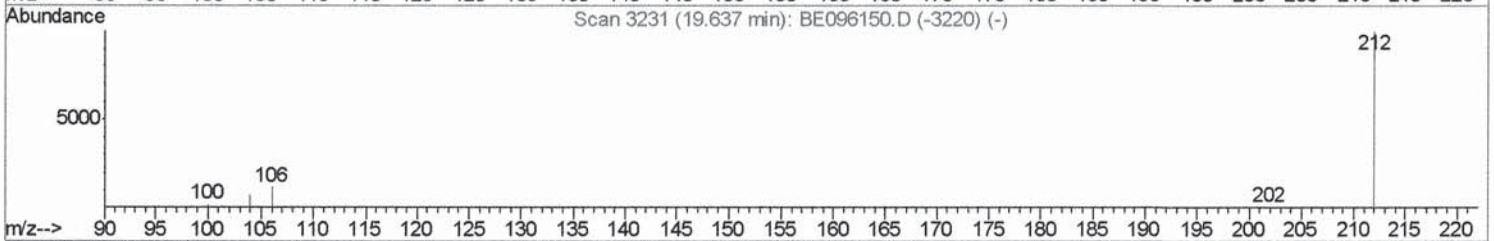
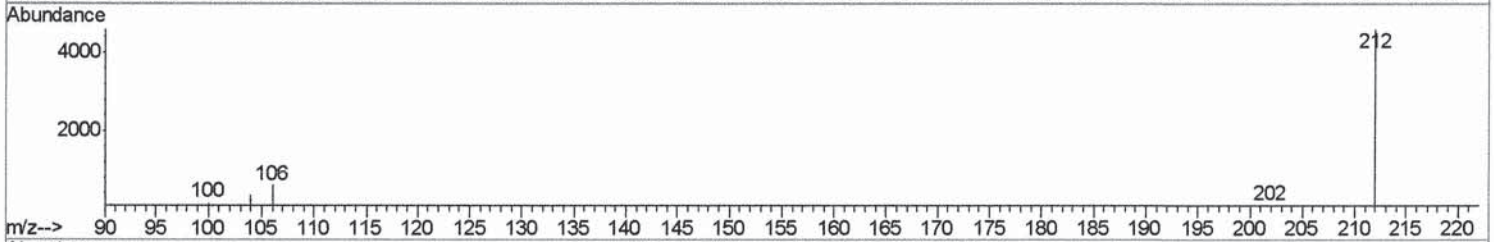
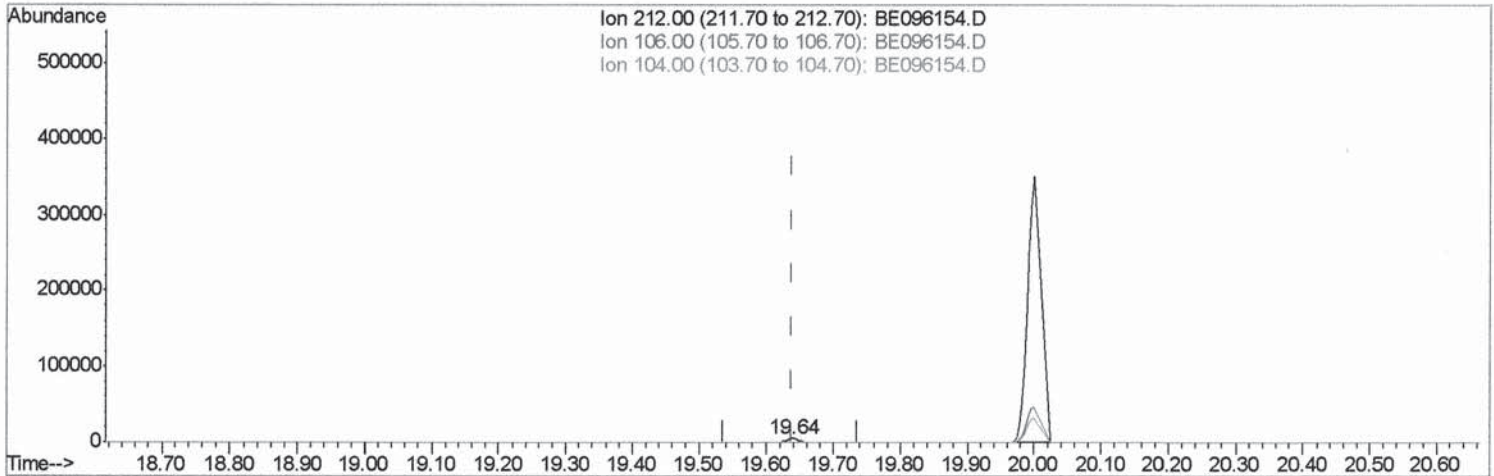
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
 Data File : BE096154.D  
 Acq On : 25 Apr 2018 18:52  
 Operator : SJ/JU  
 Sample : J2467-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3XX0

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:25:32 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 26 05:06:09 2018  
 Response via : Initial Calibration



TIC: BE096154.D

(14) Fluoranthene-d10 (SURR)

19.638min (+0.001) 0.25ng/ul m

response 6100

| 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  |

*200/22/16*

# Quantitation Report (Qedit)

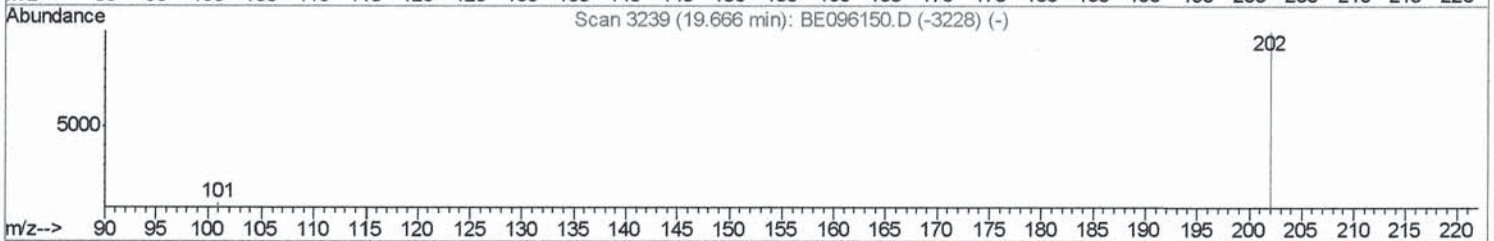
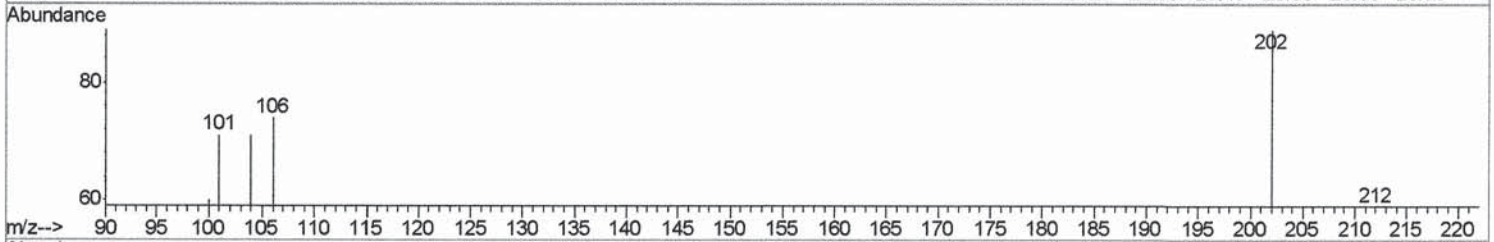
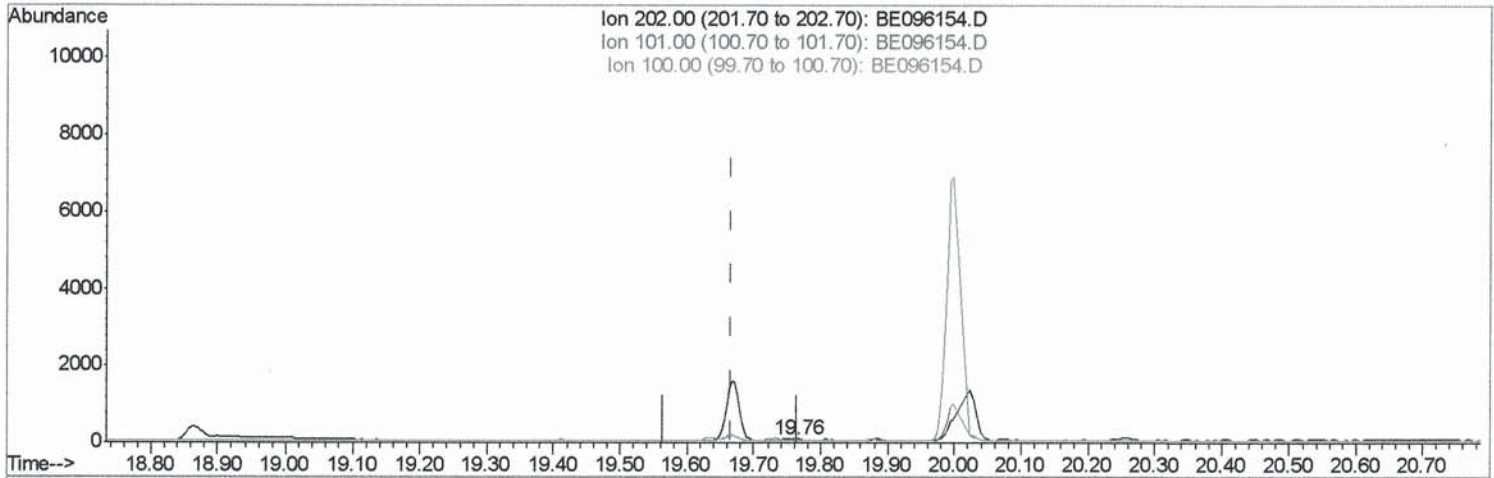
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
 Data File : BE096154.D  
 Acq On : 25 Apr 2018 18:52  
 Operator : SJ/JU  
 Sample : J2467-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3XX0

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:25:32 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 26 05:06:09 2018  
 Response via : Initial Calibration



TIC: BE096154.D

(15) Fluoranthene (C)

19.763min (+0.097) 0.00ng/ul

response 42

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 10.30 | 79.78# |
| 100.00 | 19.50 | 67.42# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

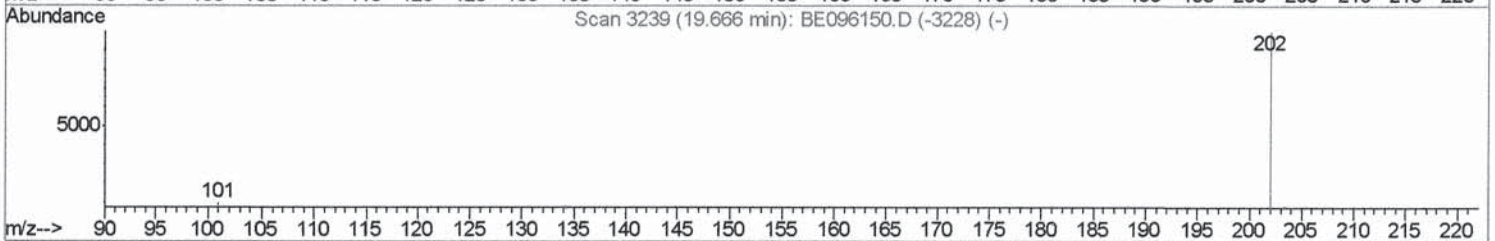
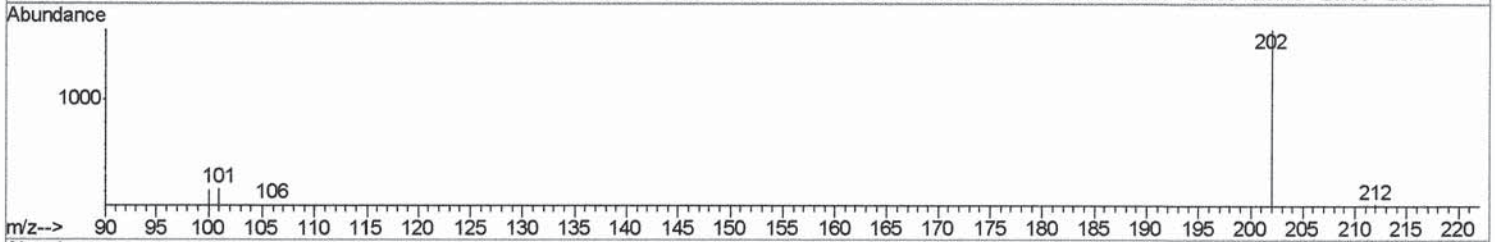
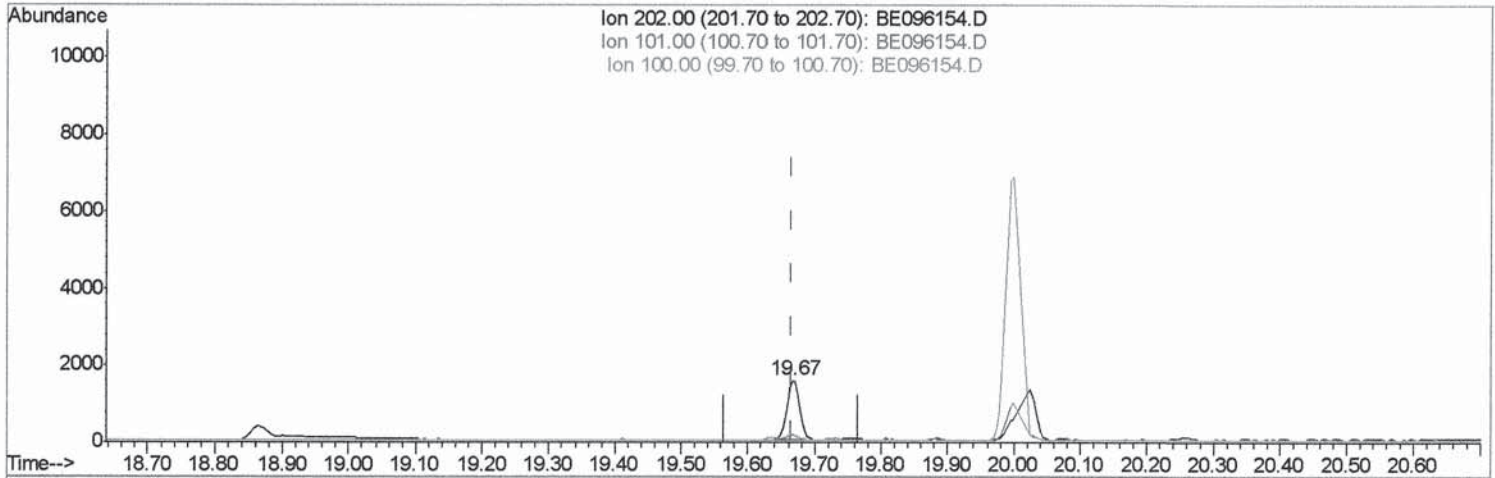
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
 Data File : BE096154.D  
 Acq On : 25 Apr 2018 18:52  
 Operator : SJ/JU  
 Sample : J2467-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3XX0

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:25:32 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 26 05:06:09 2018  
 Response via : Initial Calibration



TIC: BE096154.D

(15) Fluoranthene (C)

19.667min (+0.001) 0.09ng/ul m

response 2043

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.30 | 13.83 |
| 100.00 | 19.50 | 12.65 |
| 0.00   | 0.00  | 0.00  |

*SJ/JU*

## Quantitation Report (Qedit)

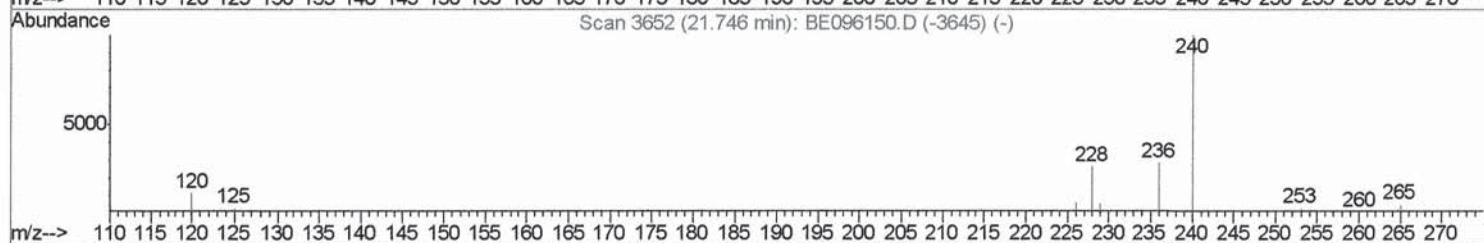
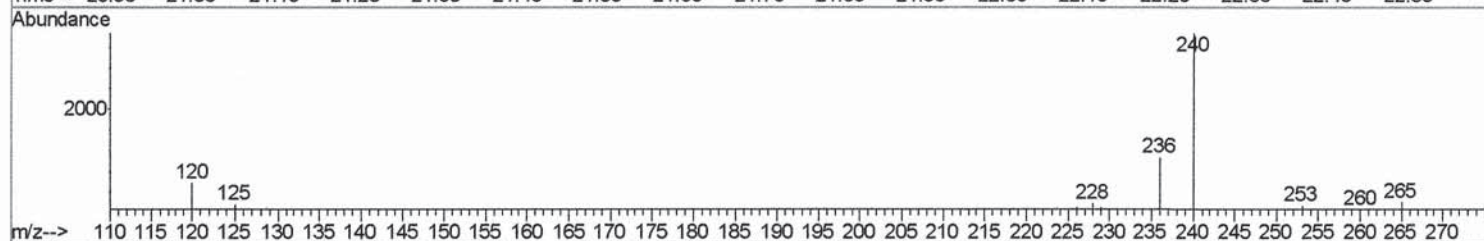
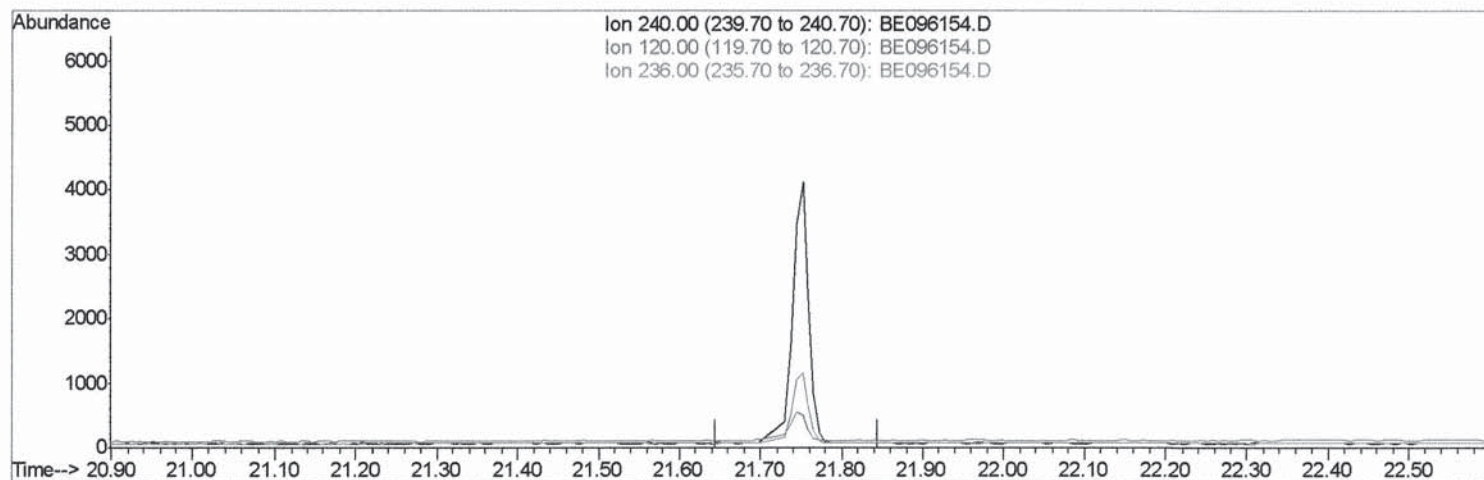
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
Data File : BE096154.D  
Acq On : 25 Apr 2018 18:52  
Operator : SJ/JU  
Sample : J2467-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
A3XX0

Manual Integrations  
APPROVED

Sohil  
4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:25:32 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 26 05:06:09 2018  
Response via : Initial Calibration



TIC: BE096154.D

(16) Chrysene-d12 (I)

21.746min (-21.746) 0.00ng/ul

response 0

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

# Quantitation Report (Qedit)

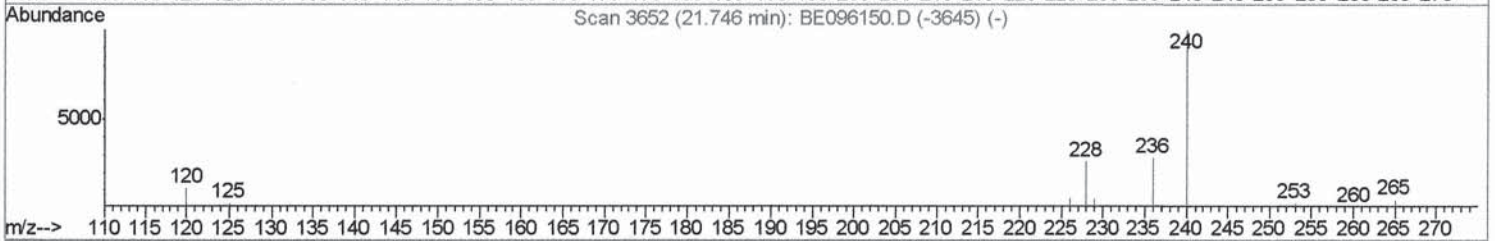
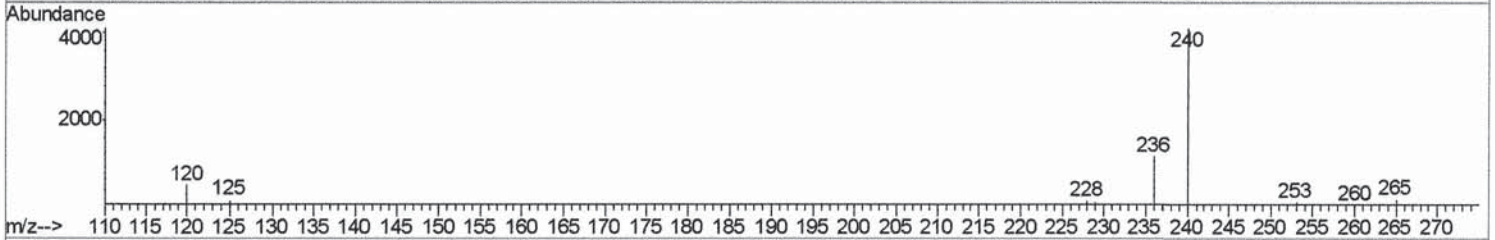
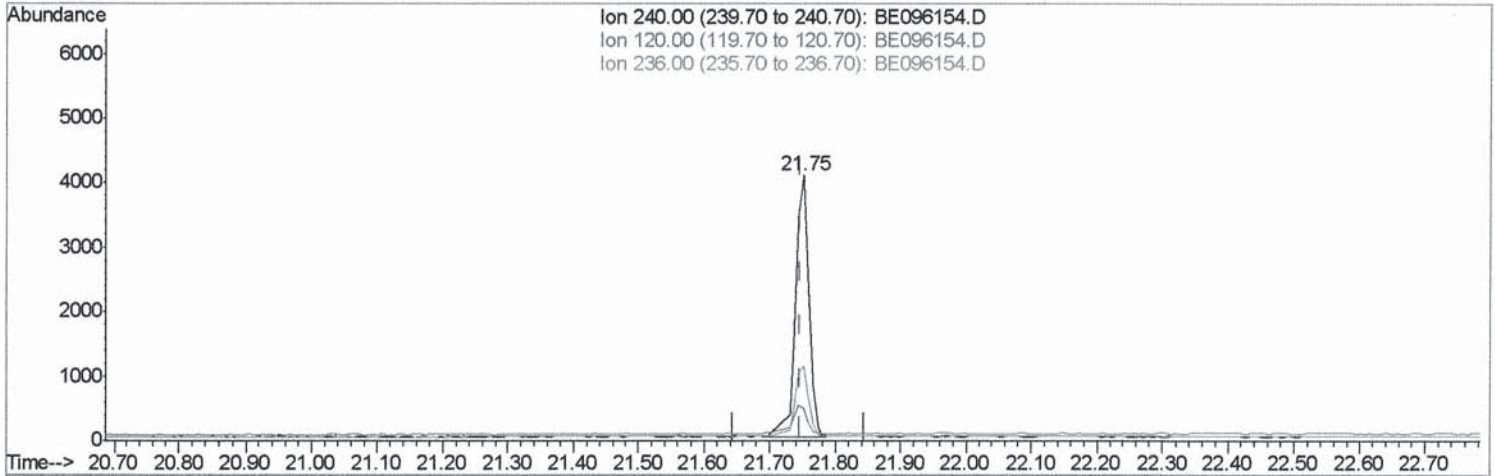
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
 Data File : BE096154.D  
 Acq On : 25 Apr 2018 18:52  
 Operator : SJ/JU  
 Sample : J2467-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3XX0

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:25:32 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 26 05:06:09 2018  
 Response via : Initial Calibration



TIC: BE096154.D

(16) Chrysene-d12 (I)

21.751min (+0.005) 0.40ng/ul m

response 6887

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 20.60 | 12.21# |
| 236.00 | 34.90 | 28.28  |
| 0.00   | 0.00  | 0.00   |

*2004/27/16*

# Quantitation Report (Qedit)

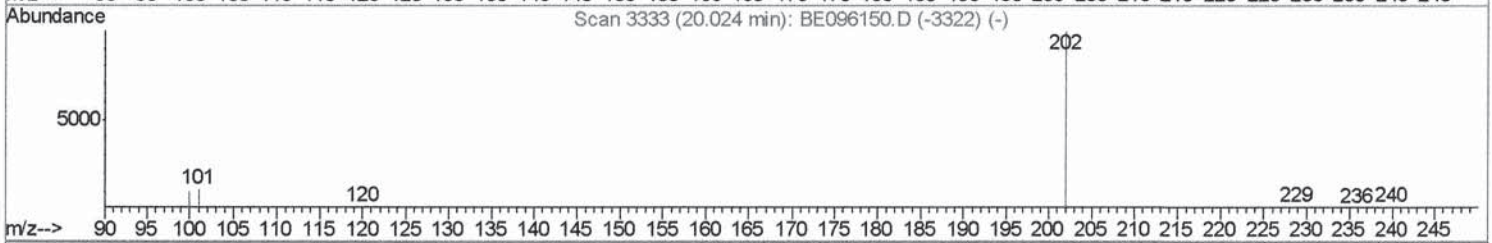
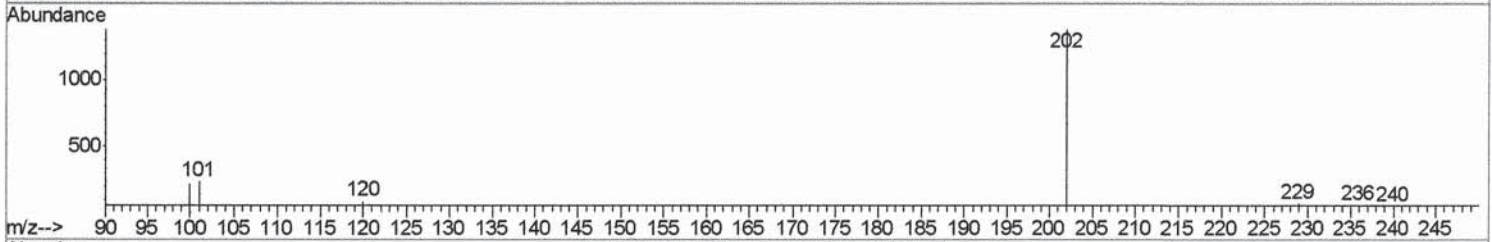
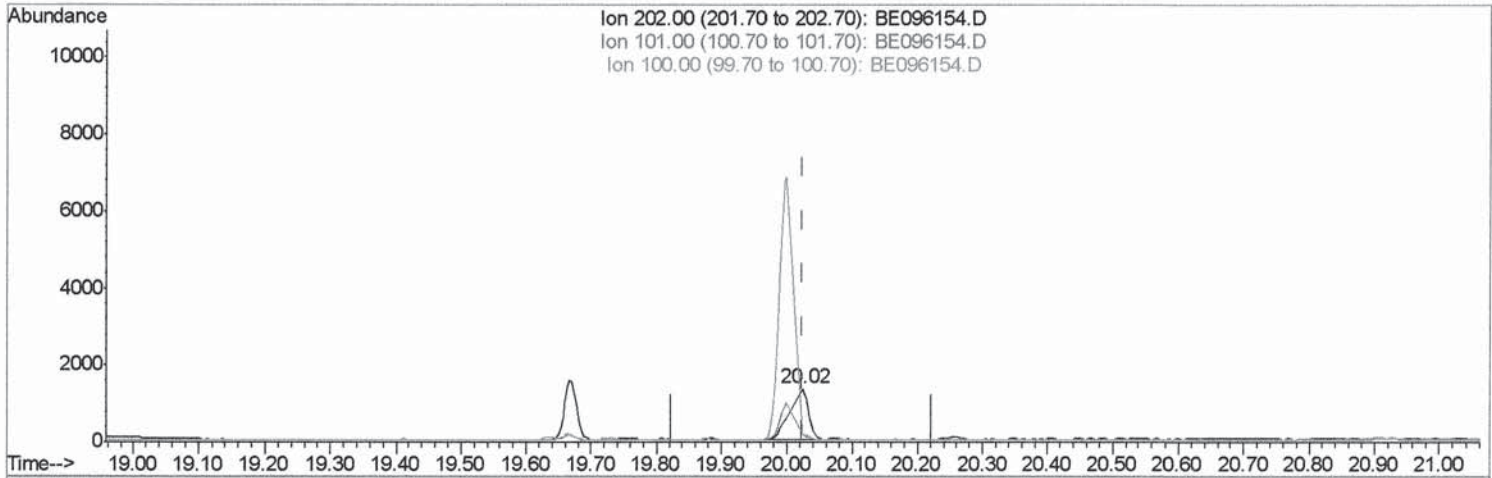
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
 Data File : BE096154.D  
 Acq On : 25 Apr 2018 18:52  
 Operator : SJ/JU  
 Sample : J2467-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3XX0

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:26:55 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 26 05:06:09 2018  
 Response via : Initial Calibration



(17) Pyrene

20.024min (+0.000) 0.12ng/ul

response 1656

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 22.80 | 16.97# |
| 100.00 | 19.50 | 16.10  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

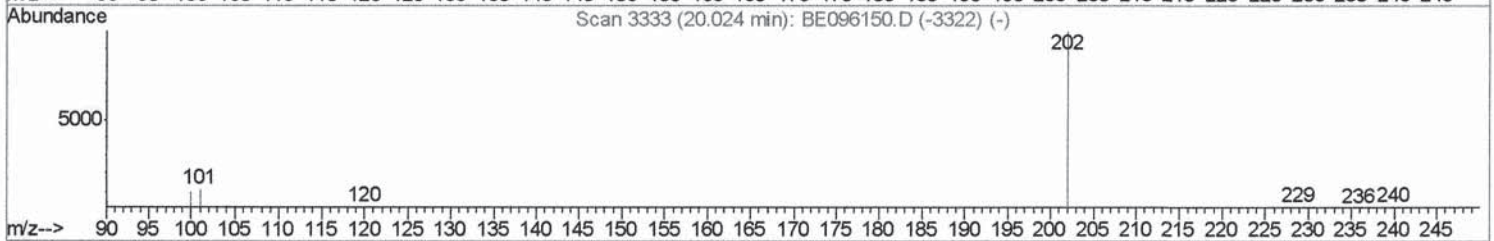
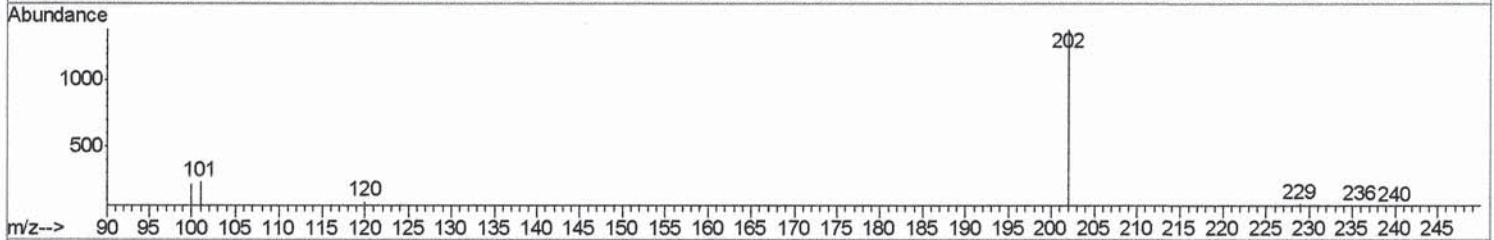
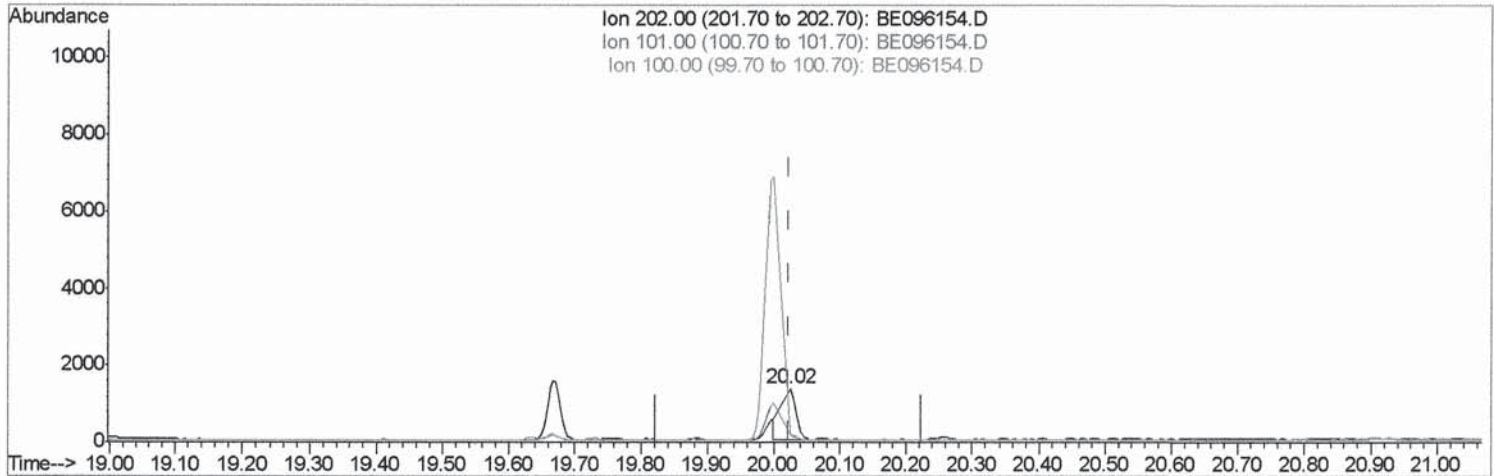
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
 Data File : BE096154.D  
 Acq On : 25 Apr 2018 18:52  
 Operator : SJ/JU  
 Sample : J2467-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3XX0

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:26:55 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 26 05:06:09 2018  
 Response via : Initial Calibration



(17) Pyrene

20.024min (+0.000) 0.11ng/ul m

response 1508

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 22.80 | 16.97# |
| 100.00 | 19.50 | 16.10  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\  
 Data File : BE096154.D  
 Acq On : 25 Apr 2018 18:52  
 Operator : SJ/JU  
 Sample : J2467-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleID :  
 A3XX0

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:19:53 PM

Quant Time: Apr 26 05:29:36 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 26 05:06:09 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.36  | 152  | 774      | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.18 | 136  | 2966     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.95 | 164  | 1965     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.66 | 188  | 5339m    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.75 | 240  | 6887m    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 24.35 | 264  | 6209     | 0.40 | ng/ul | 0.00     |

## System Monitoring Compounds

|                            |       |     |       |      |       |      |
|----------------------------|-------|-----|-------|------|-------|------|
| 4) 2-Methylnaphthalene-d10 | 12.74 | 152 | 1562  | 0.28 | ng/ul | 0.00 |
| 14) Fluoranthene-d10       | 19.64 | 212 | 6100m | 0.25 | ng/ul | 0.00 |

## Target Compounds

|                          |       |     |       |       | Ovalue |    |
|--------------------------|-------|-----|-------|-------|--------|----|
| 9) Fluorene              | 15.98 | 166 | 509   | 0.053 | ng/ul# | 89 |
| 12) Phenanthrene         | 17.70 | 178 | 2405m | 0.153 | ng/ul  |    |
| 15) Fluoranthene         | 19.67 | 202 | 2043m | 0.085 | ng/ul  |    |
| 17) Pyrene               | 20.02 | 202 | 1508m | 0.109 | ng/ul  |    |
| 19) Chrysene             | 21.79 | 228 | 561   | 0.029 | ng/ul# | 61 |
| 21) Benzo(b)fluoranthene | 23.55 | 252 | 925   | 0.039 | ng/ul# | 64 |
| 23) Benzo(a)pyrene       | 24.24 | 252 | 491   | 0.024 | ng/ul# | 57 |
| 26) Benzo(q,h,i)perylene | 28.00 | 276 | 480   | 0.020 | ng/ul# | 51 |

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