

# Quantitation Report (Qedit)

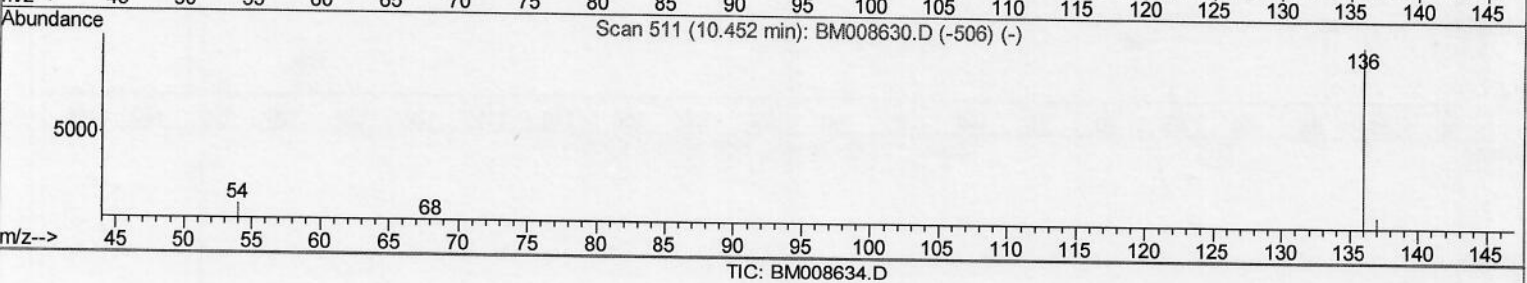
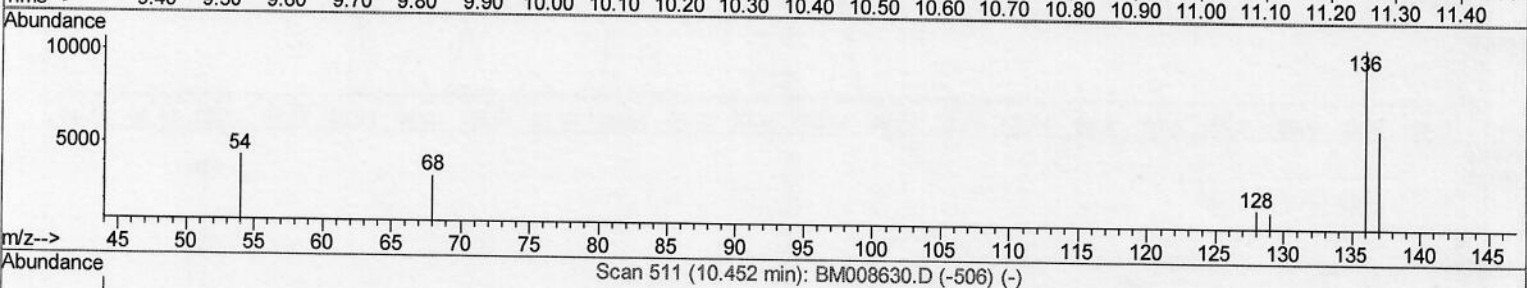
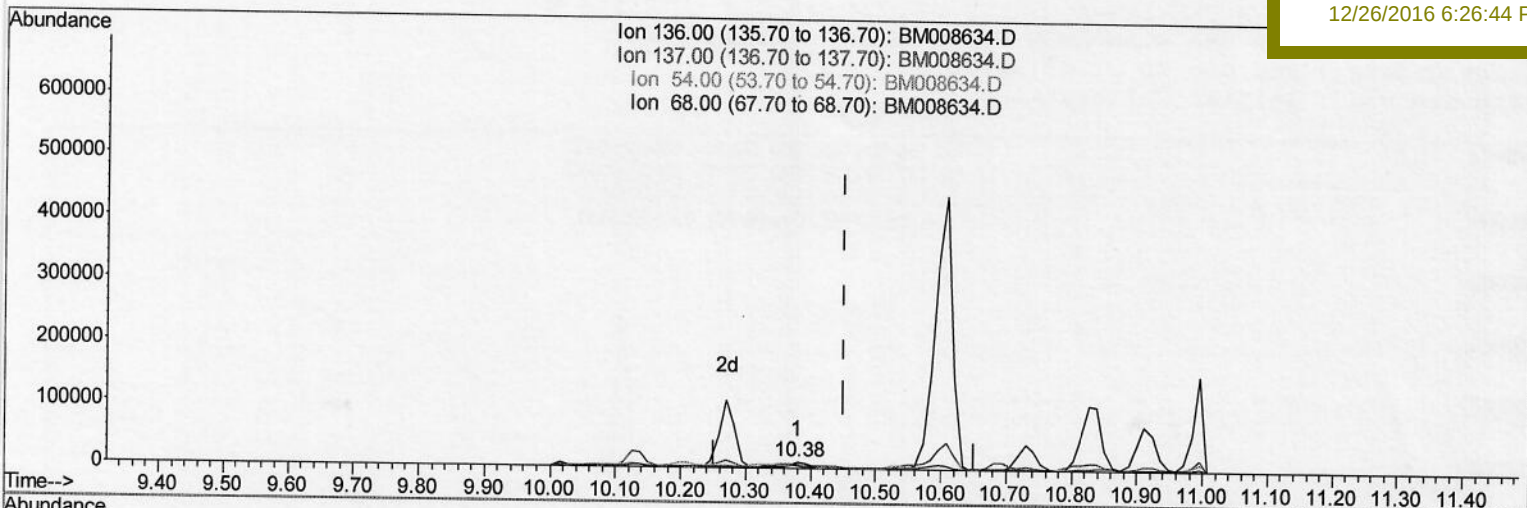
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Dec 25 23:51:51 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM



(2) Naphthalene-d8 (I)  
 10.379min (-0.072) 0.40ng/ul  
 response 27555

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 136.00 | 100   | 100    |
| 137.00 | 13.90 | 59.05# |
| 54.00  | 15.50 | 41.25# |
| 68.00  | 9.90  | 31.53# |

# Quantitation Report (Qedit)

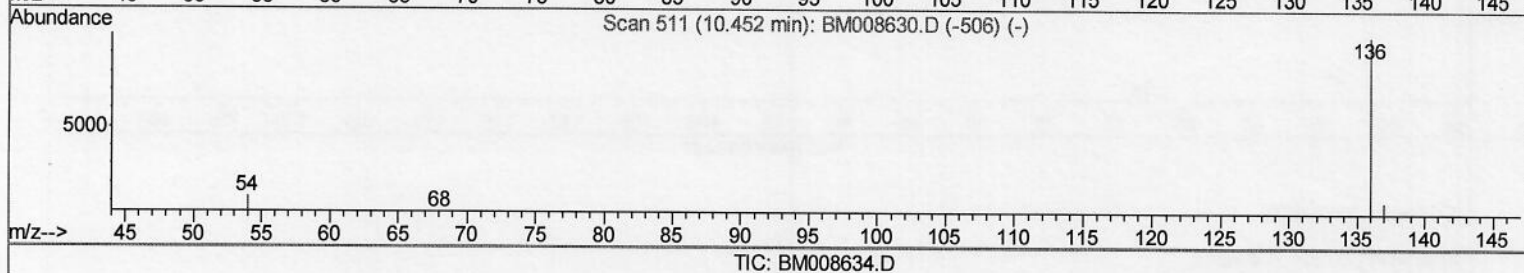
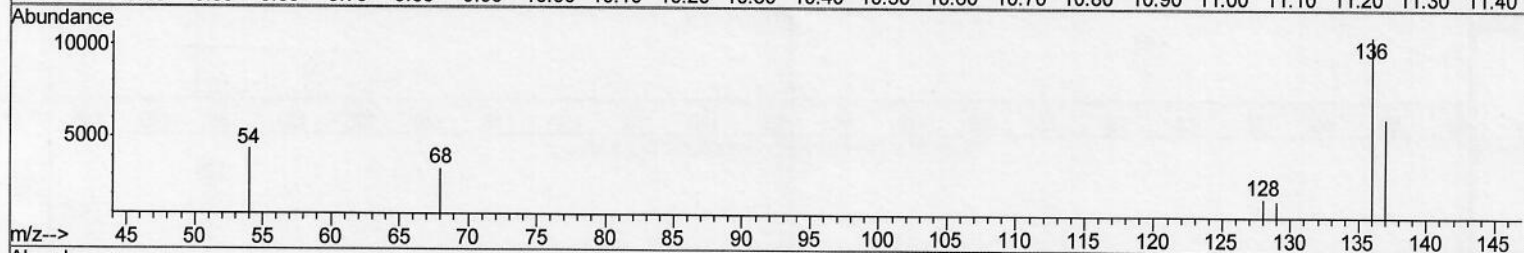
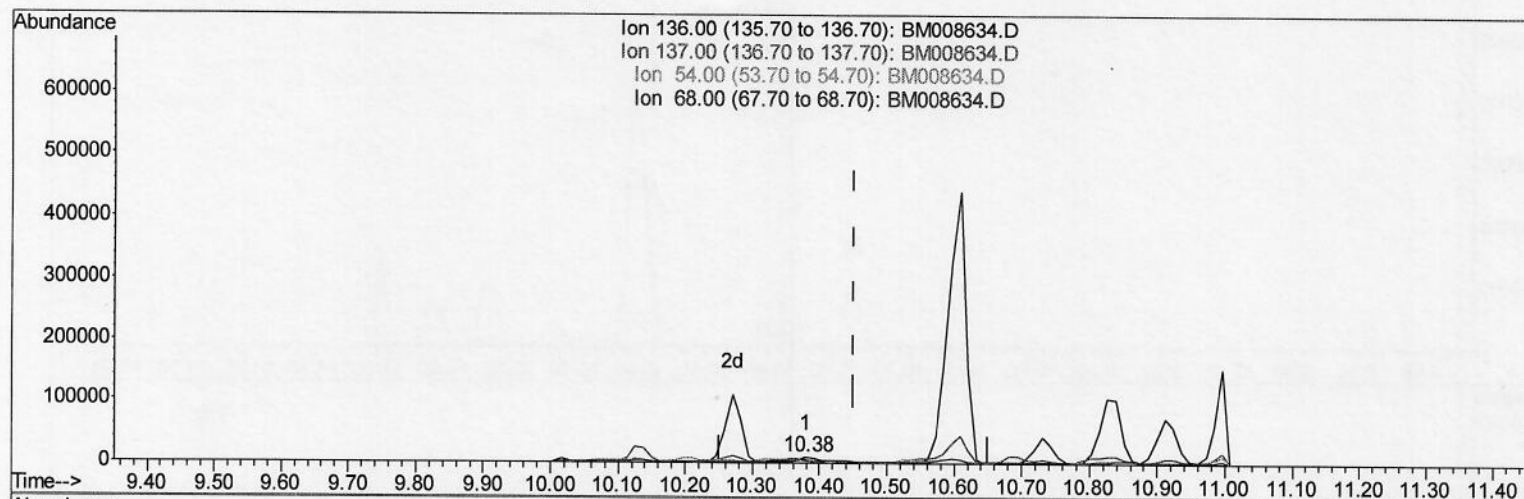
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 25 23:51:51 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(2) Naphthalene-d8 (l)

10.379min (-0.072) 0.40ng/ul m

response 21626

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 136.00 | 100   | 100    |
| 137.00 | 13.90 | 59.05# |
| 54.00  | 15.50 | 41.25# |
| 68.00  | 9.90  | 31.53# |

S.J.  
 12/27/2016

# Quantitation Report (Qedit)

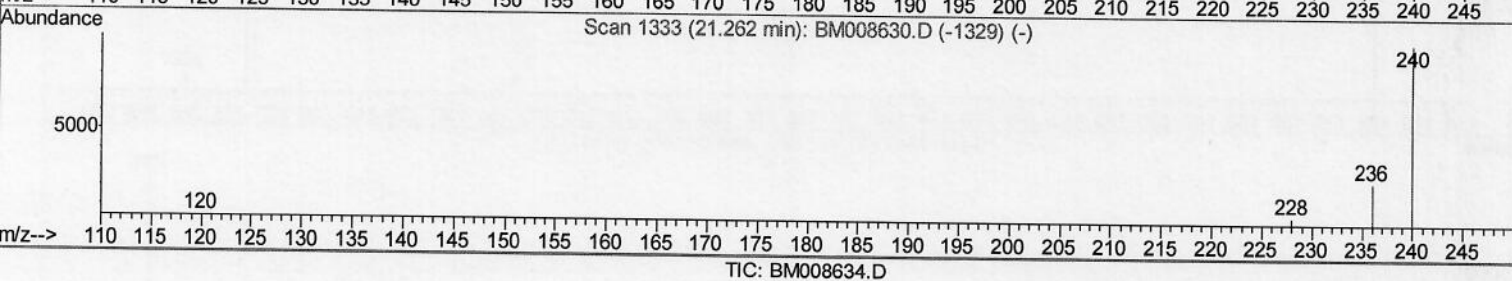
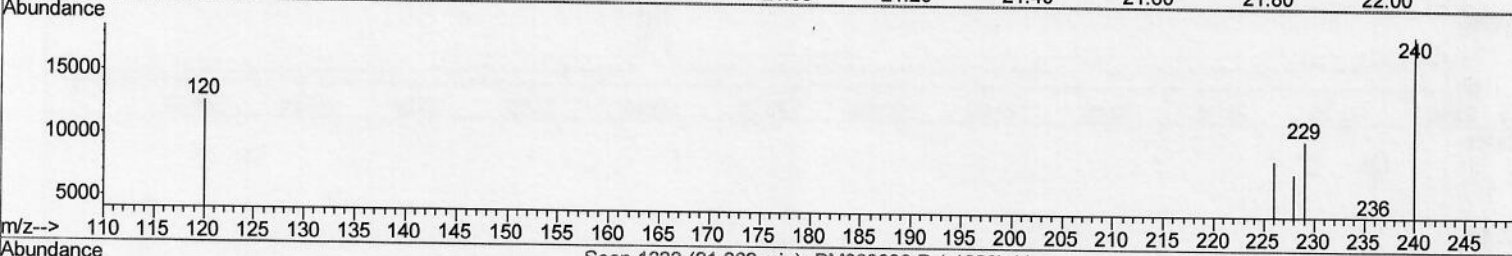
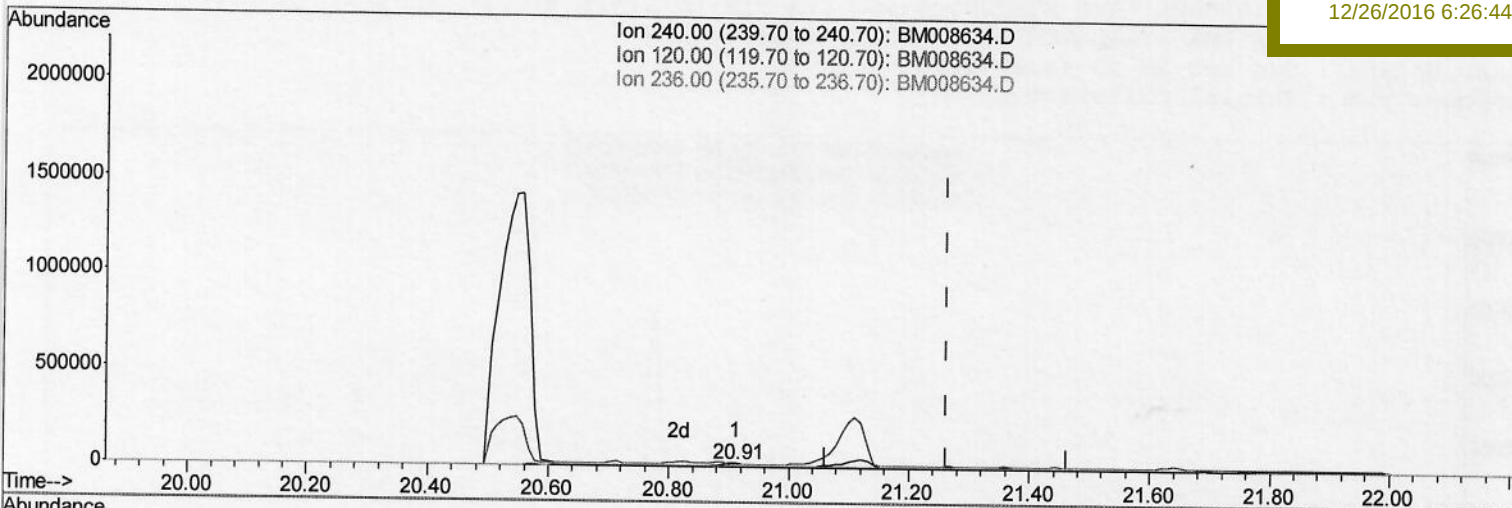
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 00:14:28 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

20.912min (-0.351) 0.40ng/ul

response 31305

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 20.60 | 67.71# |
| 236.00 | 34.90 | 21.61# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

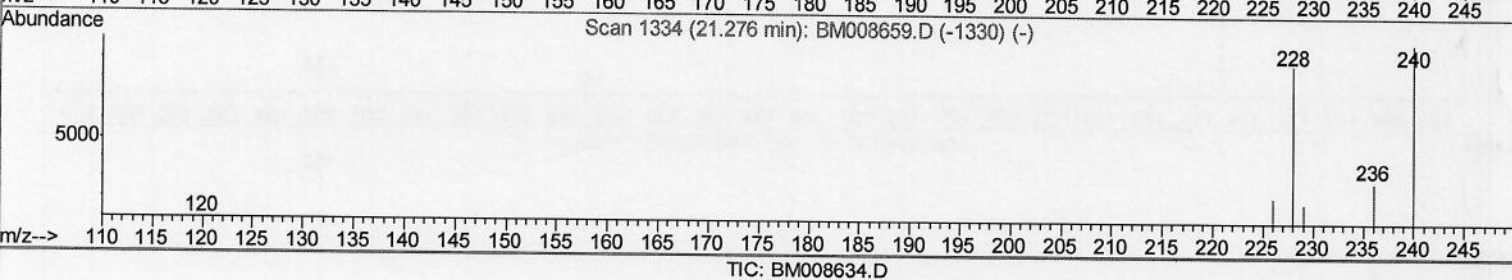
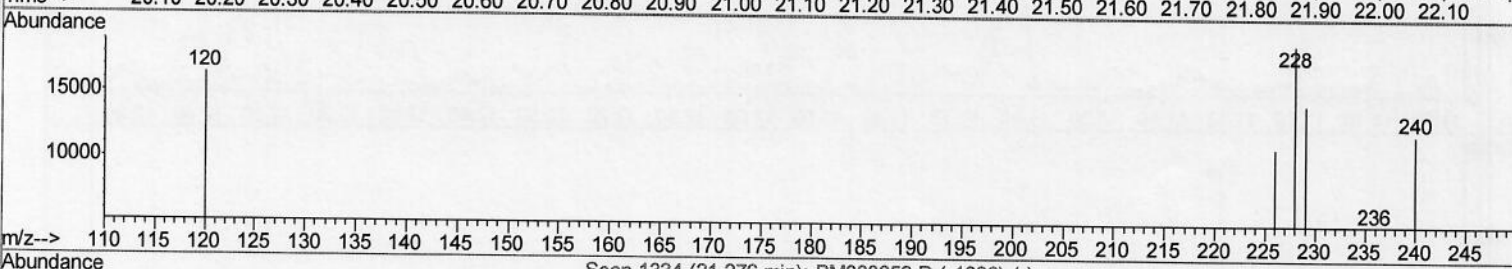
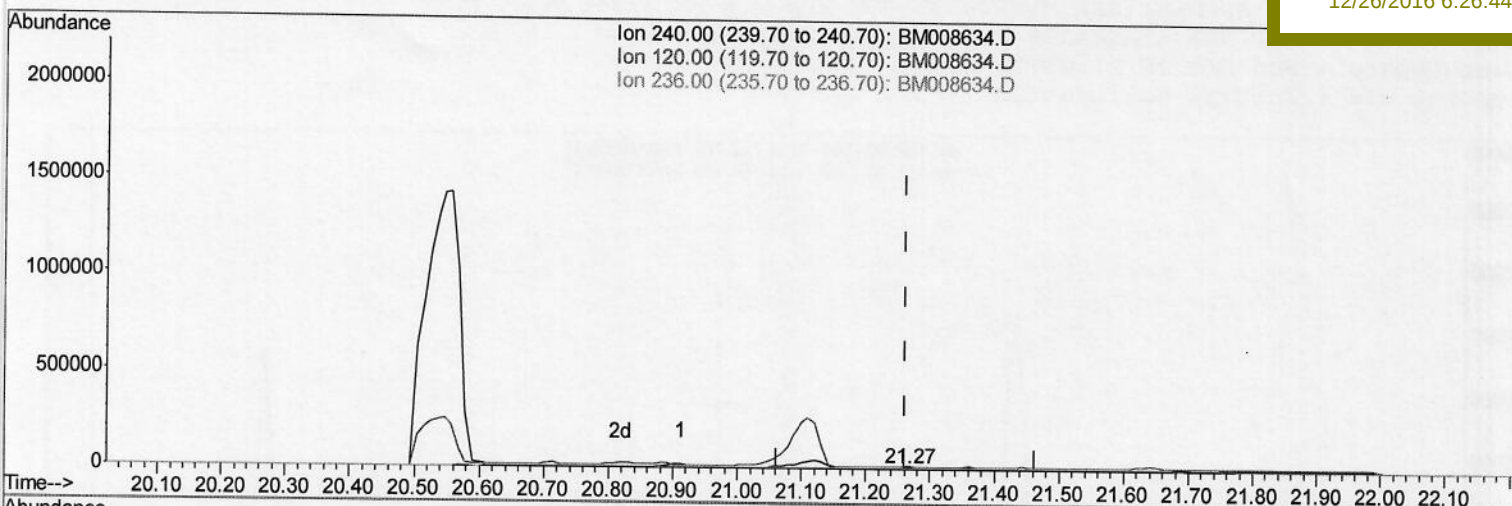
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 14:06:48 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.266min (+0.004) 0.40ng/ul m

response 11689

Ion Exp% Act%

240.00 100 100

120.00 20.60 135.53#

236.00 34.90 42.44#

0.00 0.00 0.00

SJ  
 12/27/2016

# Quantitation Report (Qedit)

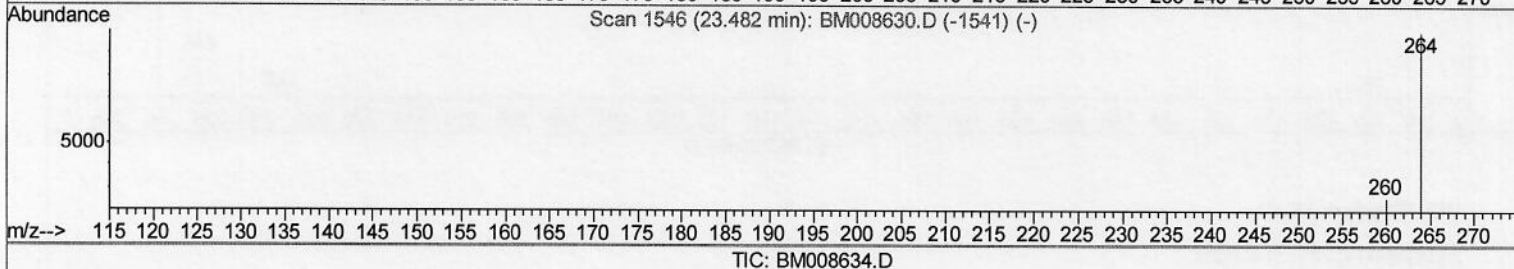
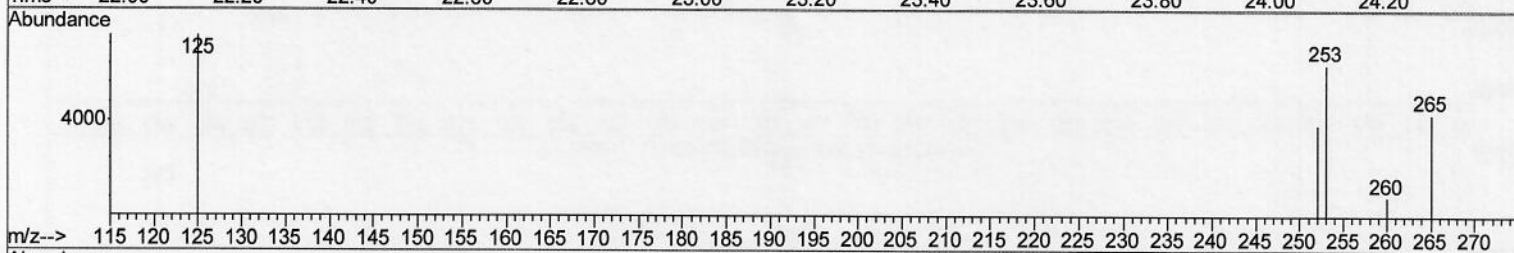
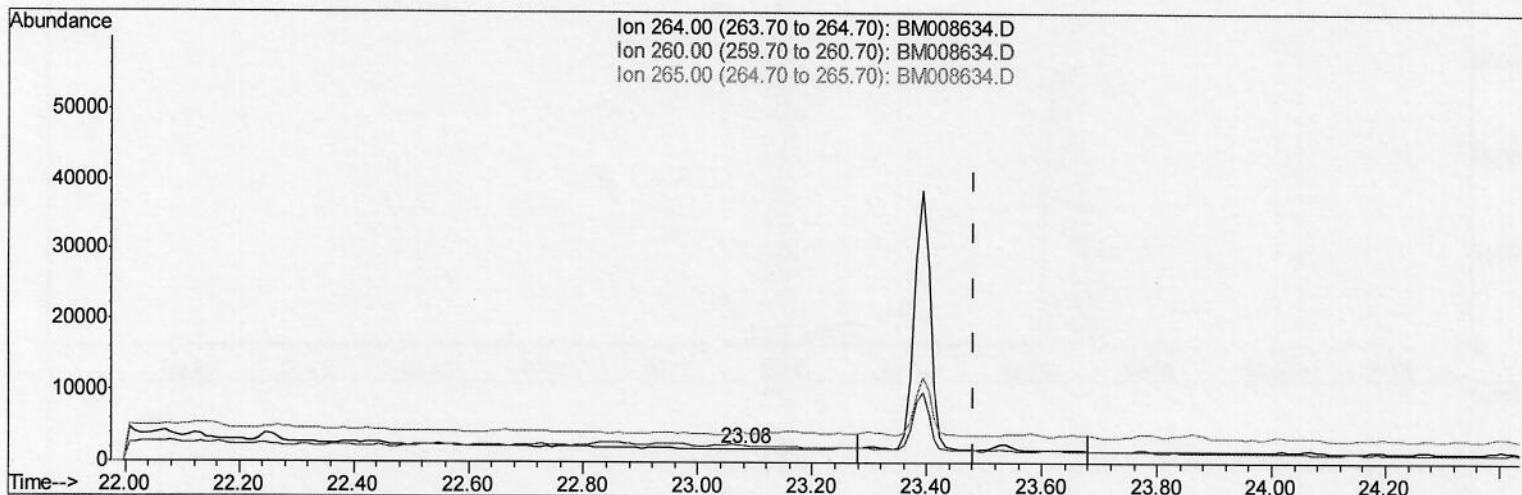
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 00:14:28 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



TIC: BM008634.D

(20) Perylene-d12 (I)

23.080min (-0.403) 0.40ng/ul

response 1429

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 264.00 | 100    | 100     |
| 260.00 | 30.10  | 119.90# |
| 265.00 | 103.50 | 206.49# |
| 0.00   | 0.00   | 0.00    |

# Quantitation Report (Qedit)

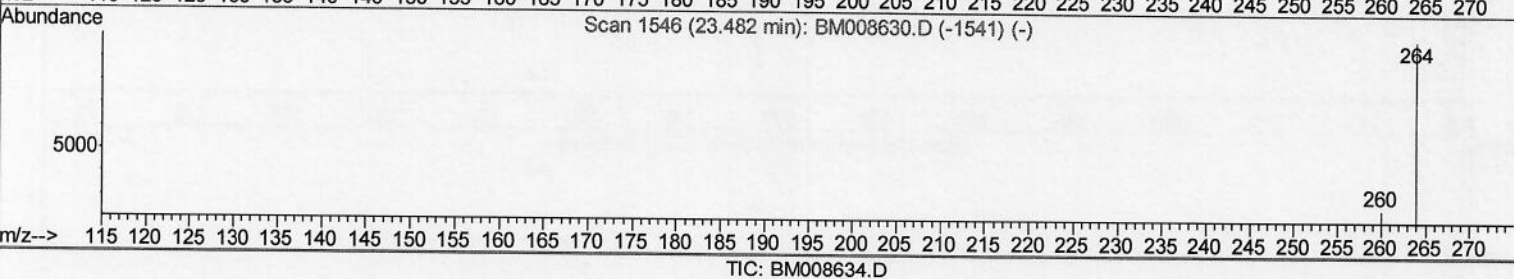
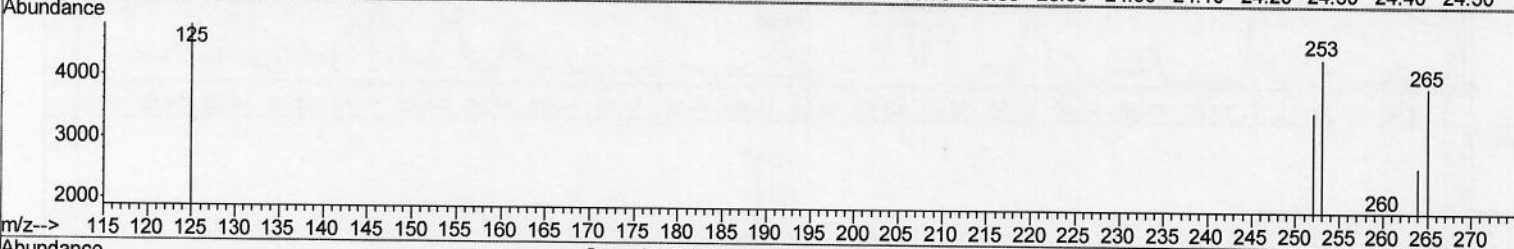
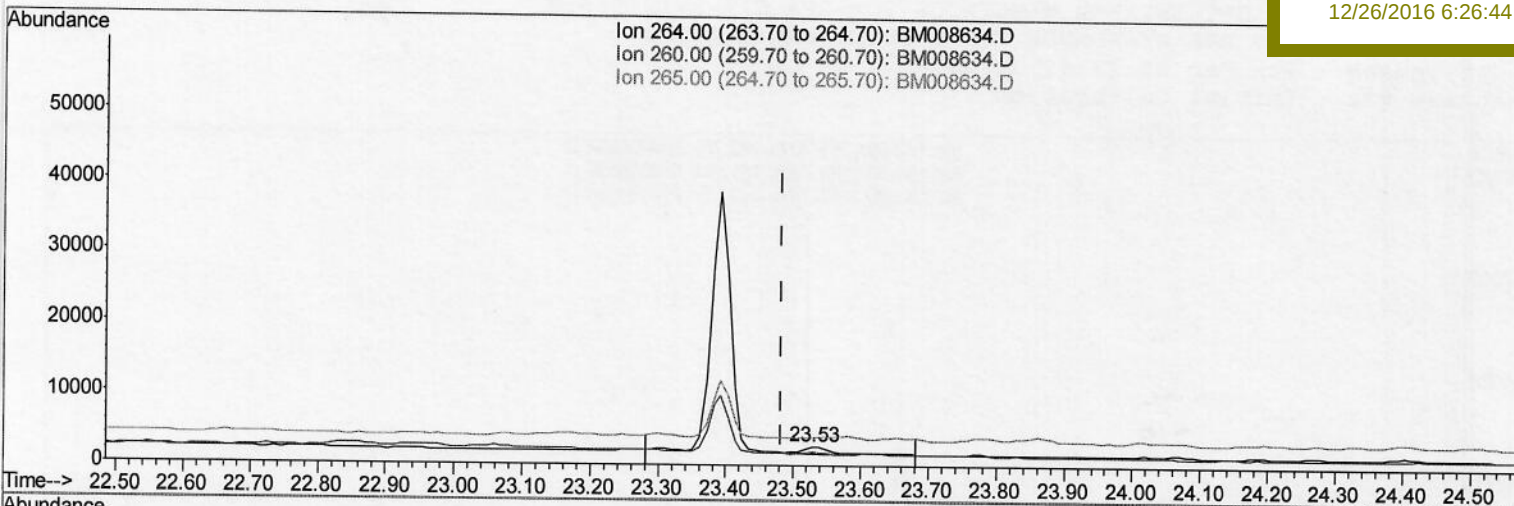
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Dec 26 00:14:28 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM



(20) Perylene-d12 (I)

23.528min (+0.045) 0.40ng/ul m

response 2295

SJ  
 12/27/2016

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 264.00 | 100    | 100     |
| 260.00 | 30.10  | 71.30#  |
| 265.00 | 103.50 | 148.97# |
| 0.00   | 0.00   | 0.00    |

# Quantitation Report (Qedit)

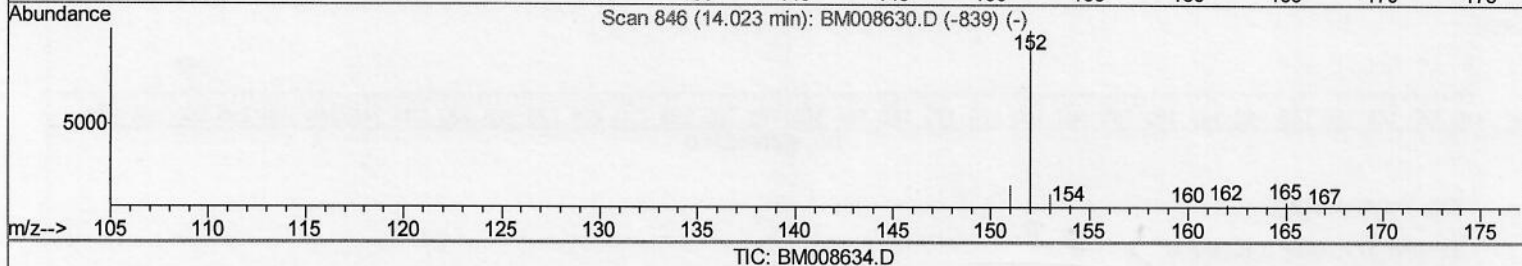
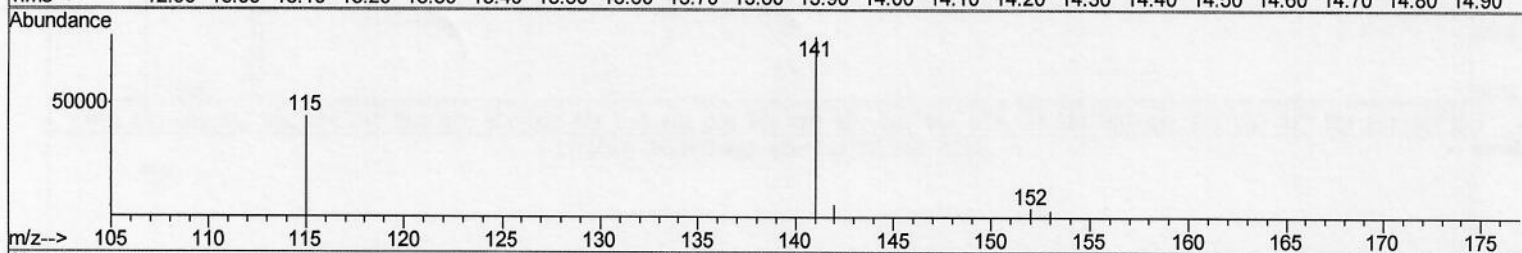
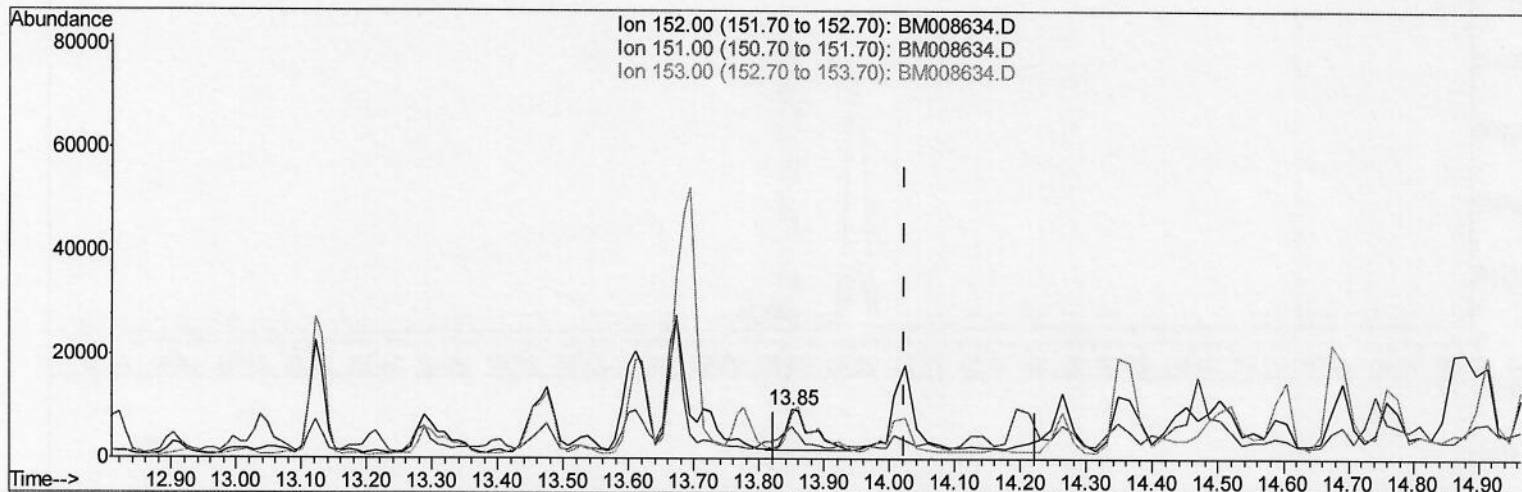
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 00:16:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



## (7) Acenaphthylene

13.850min (-0.173) 0.15ng/ul

response 21801

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 152.00 | 100   | 100    |
| 151.00 | 21.40 | 65.68# |
| 153.00 | 16.00 | 89.69# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

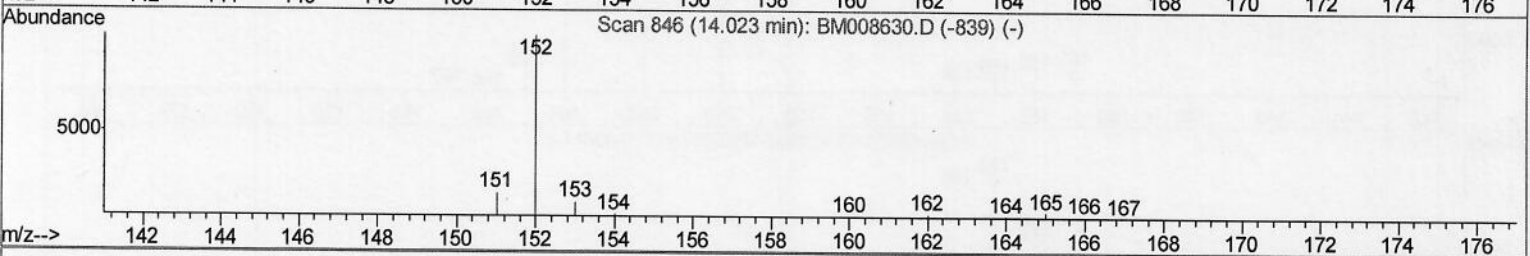
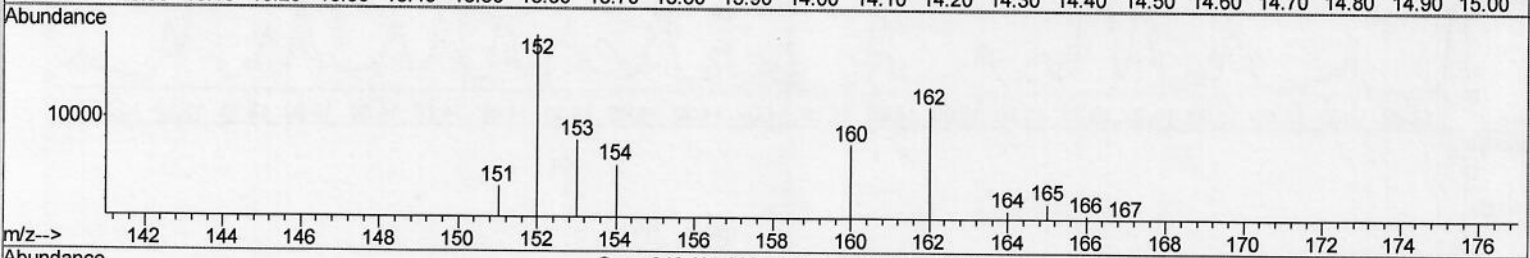
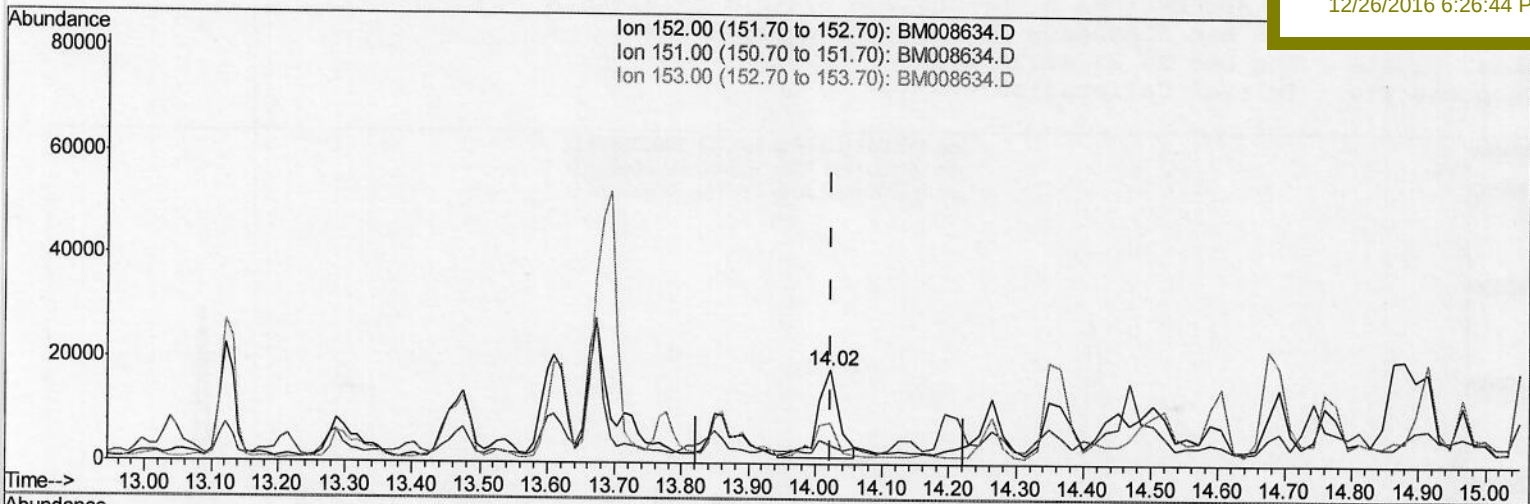
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
Data File : BM008634.D  
Acq On : 24 Dec 2016 15:52  
Operator : UM/SJ  
Sample : H5995-03  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Dec 26 00:16:23 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Dec 25 23:48:32 2016  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampled :  
DA864

Manual Integrations  
APPROVED

sohil  
12/26/2016 6:26:44 PM



TIC: BM008634.D

(7) Acenaphthylene

14.023min (+0.000) 0.22ng/ul m

response 32520

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 152.00 | 100   | 100    |
| 151.00 | 21.40 | 19.53  |
| 153.00 | 16.00 | 44.02# |
| 0.00   | 0.00  | 0.00   |

5.5  
12/27/2016

# Quantitation Report (Qedit)

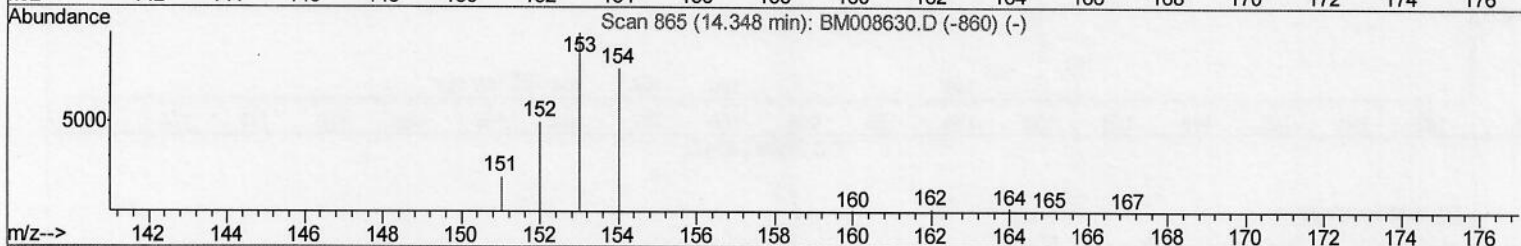
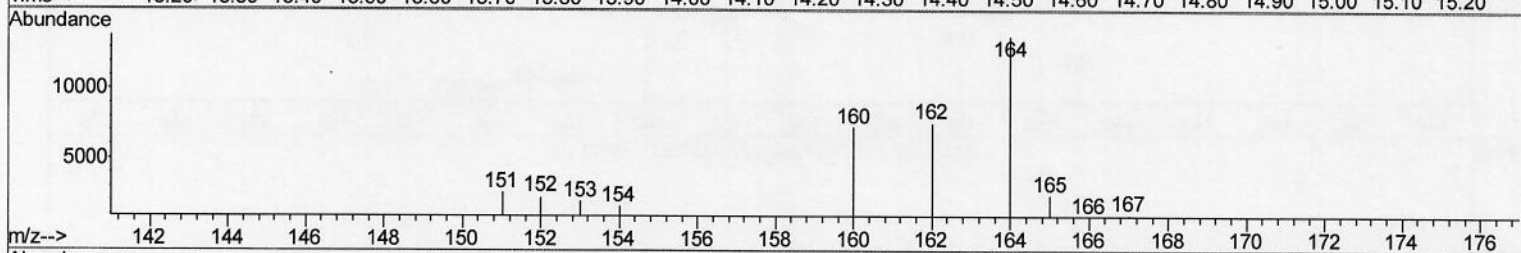
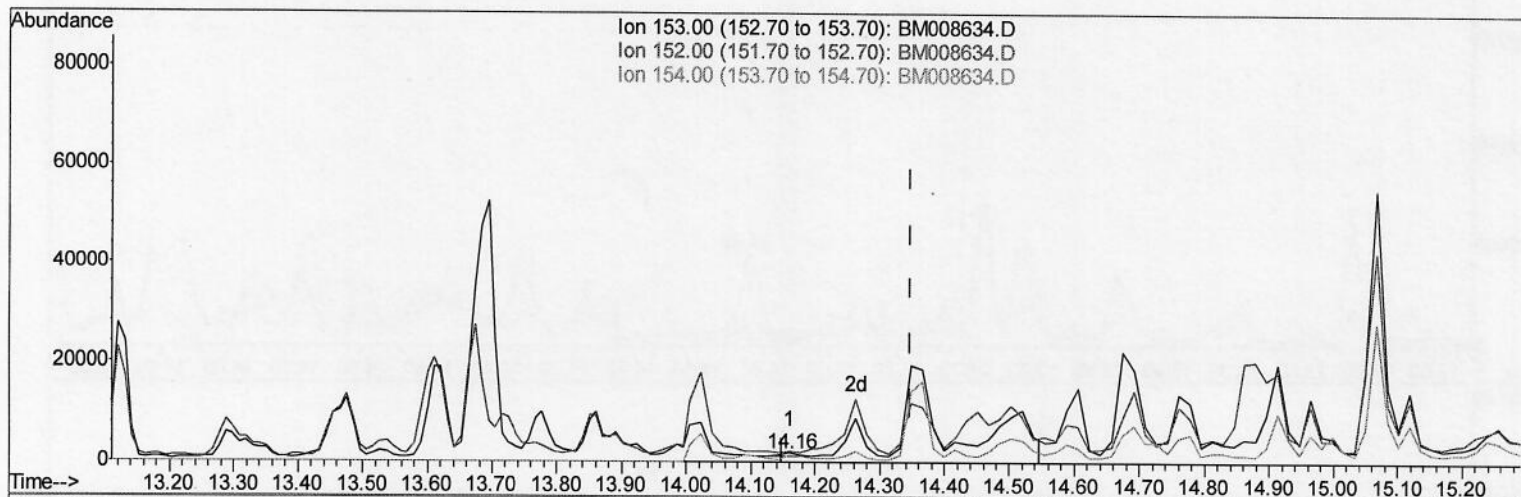
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 00:16:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



TIC: BM008634.D

(8) Acenaphthene (C)

14.160min (-0.188) 0.01ng/ul

response 987

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 153.00 | 100   | 100     |
| 152.00 | 50.40 | 116.17# |
| 154.00 | 89.30 | 81.31   |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

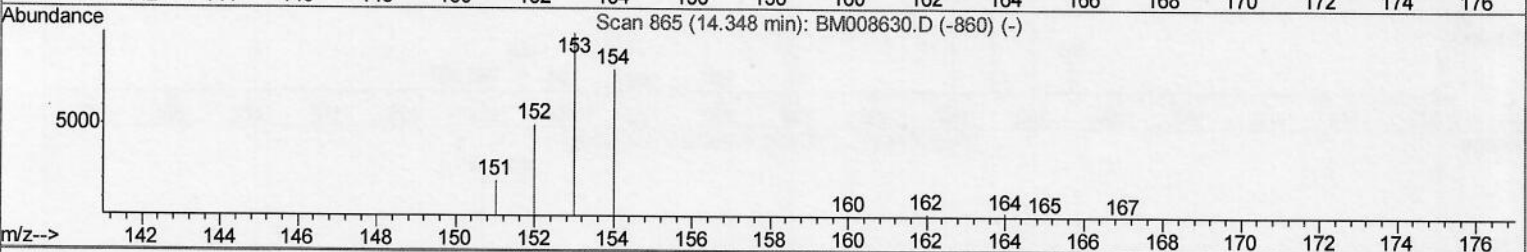
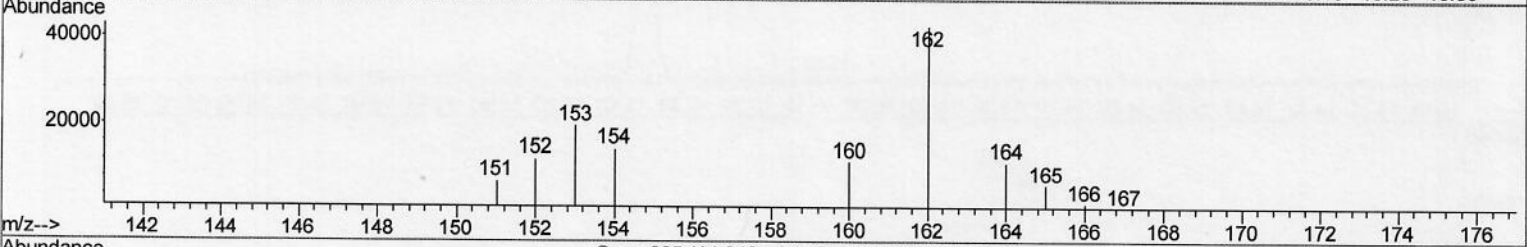
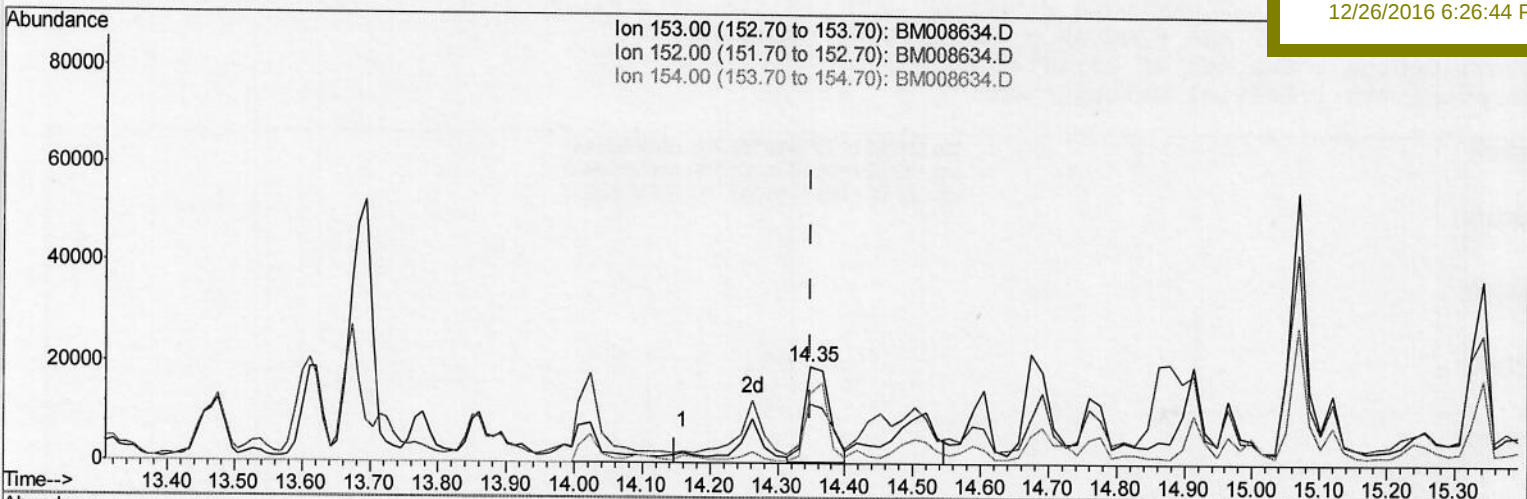
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 00:16:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



TIC: BM008634.D

(8) Acenaphthene (C)

14.349min (+0.000) 0.45ng/ul m

response 50930

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 153.00 | 100   | 100    |
| 152.00 | 50.40 | 61.64# |
| 154.00 | 89.30 | 73.03  |
| 0.00   | 0.00  | 0.00   |

355.  
 12/27/2016

# Quantitation Report (Qedit)

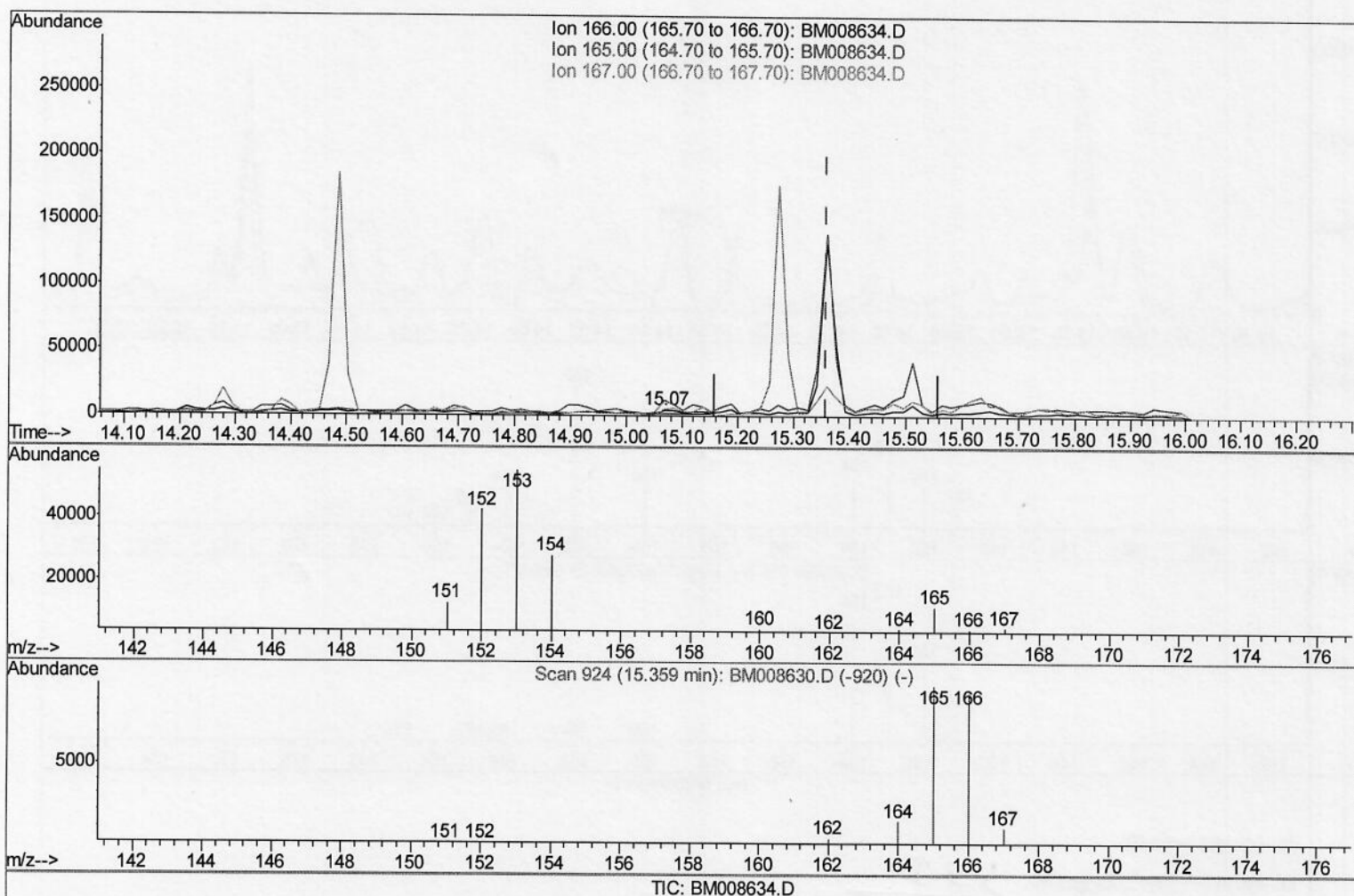
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 00:16:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(9) Fluorene

15.068min (-0.291) 0.07ng/ul

response 8690

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 166.00 | 100   | 100     |
| 165.00 | 91.80 | 263.14# |
| 167.00 | 18.30 | 112.33# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

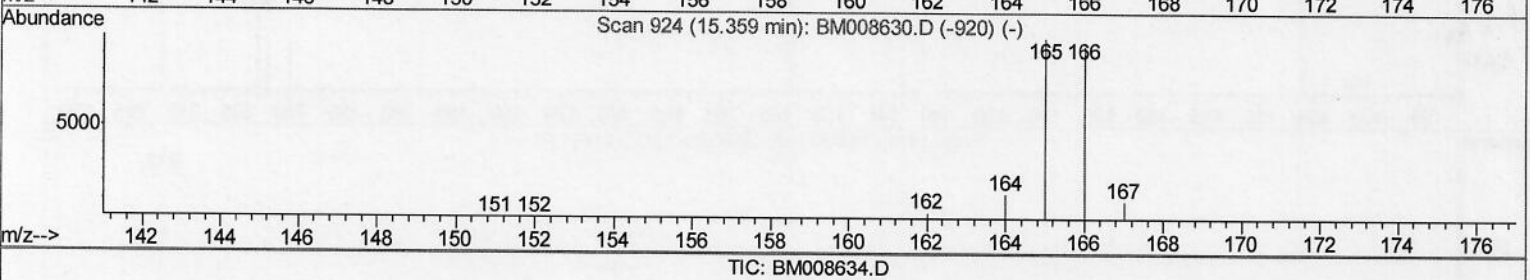
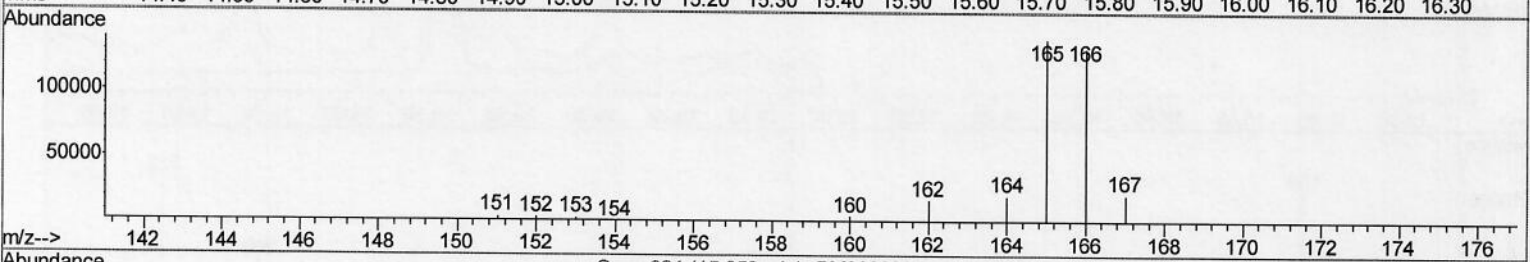
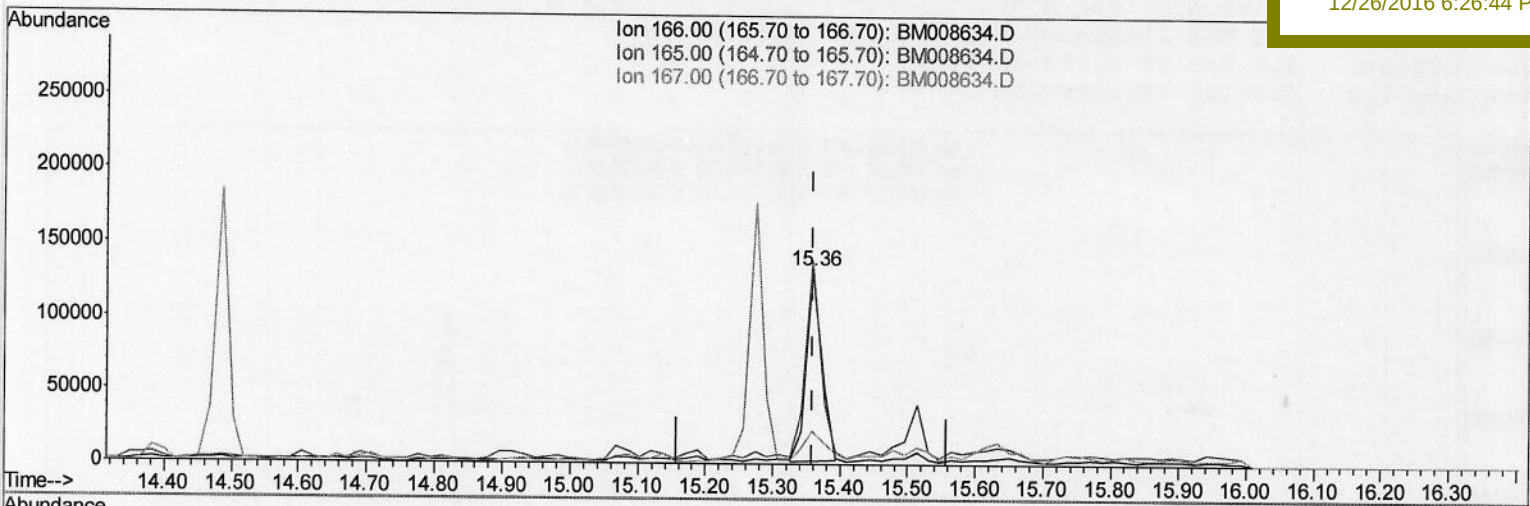
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 00:16:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(9) Fluorene

15.359min (+0.000) 1.63ng/ul m

response 209619

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 166.00 | 100   | 100    |
| 165.00 | 91.80 | 104.85 |
| 167.00 | 18.30 | 16.85  |
| 0.00   | 0.00  | 0.00   |

SJ  
 12/27/2016

# Quantitation Report (Qedit)

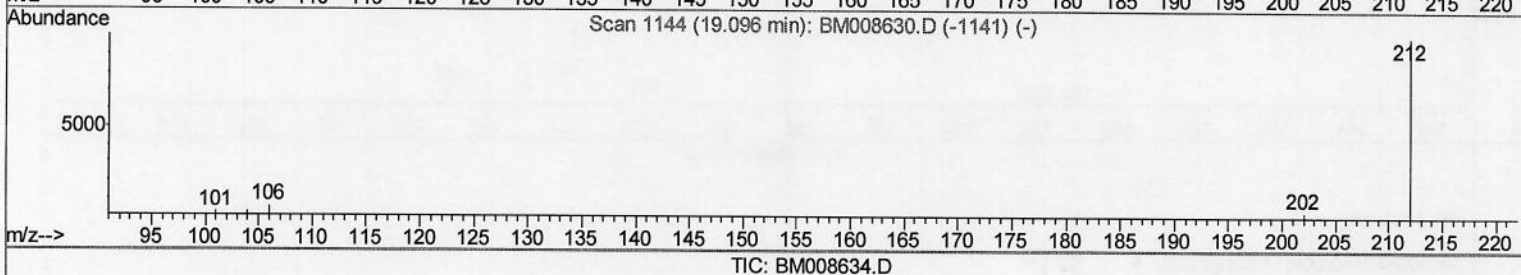
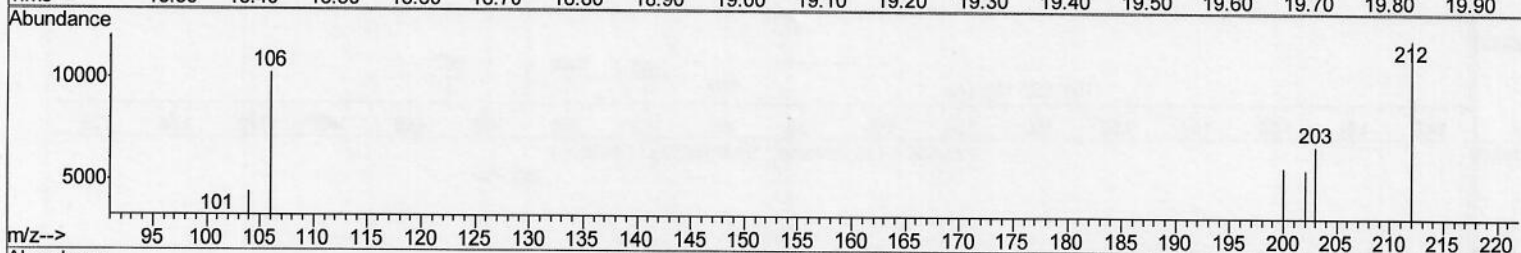
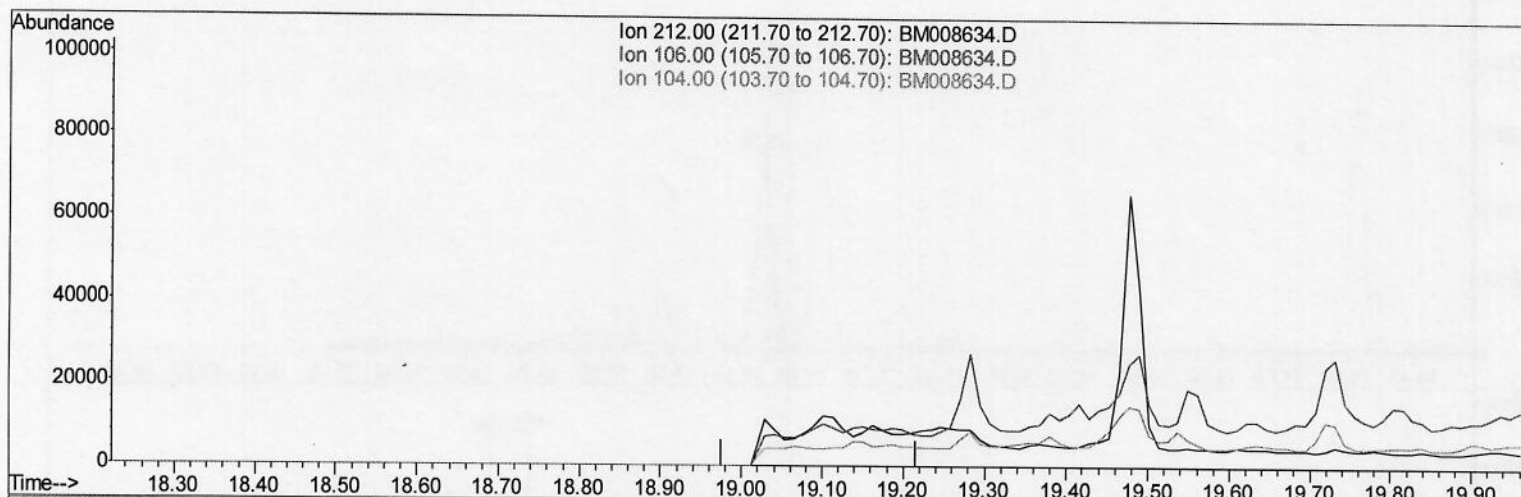
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 00:16:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.096min (-19.096) 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)

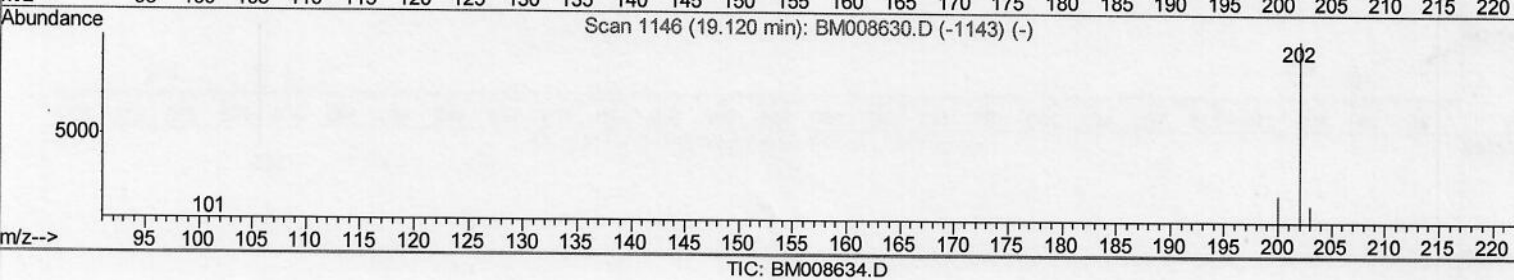
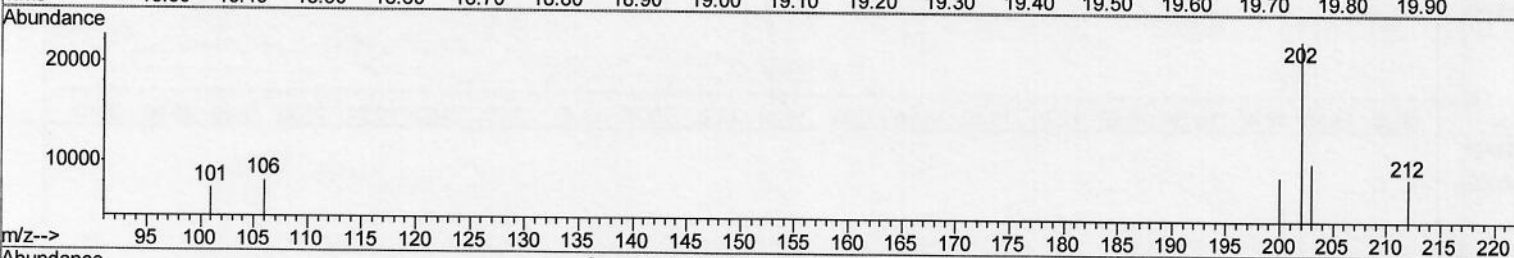
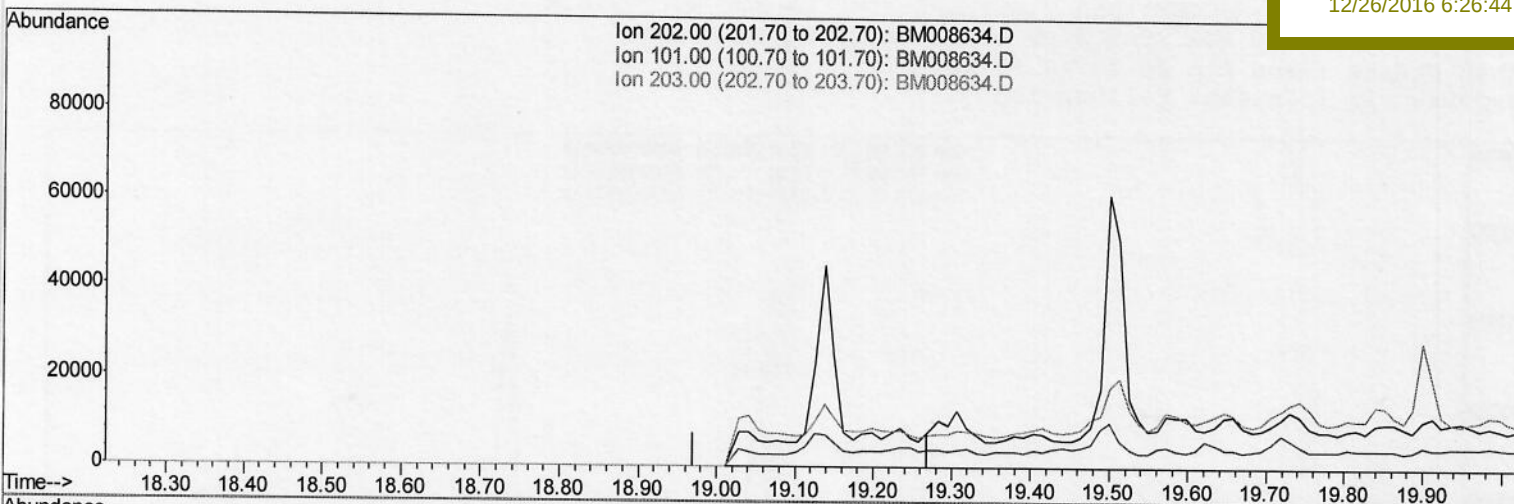
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DA864

Quant Time: Dec 26 00:16:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM



(15) Fluoranthene (C)

19.120min (-19.120) 0.00ng/ul

response 0

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 202.00 | 100   | 0.00 |
| 101.00 | 10.30 | 0.00 |
| 203.00 | 19.50 | 0.00 |
| 0.00   | 0.00  | 0.00 |

# Quantitation Report (Qedit)

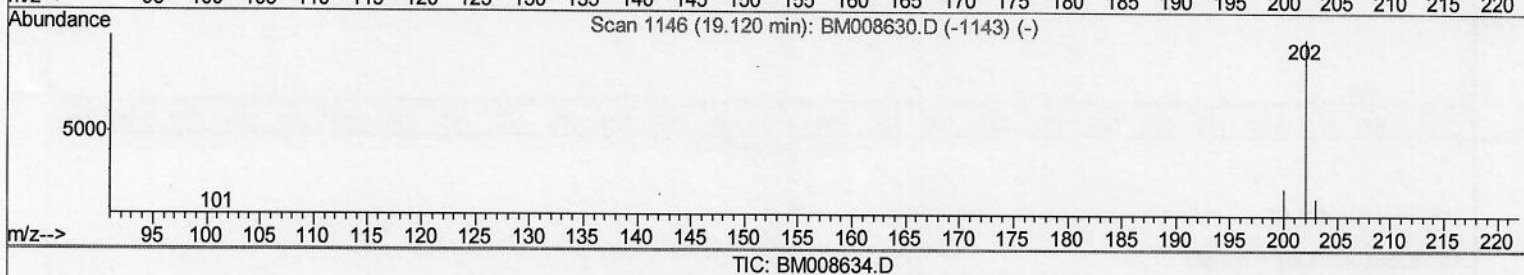
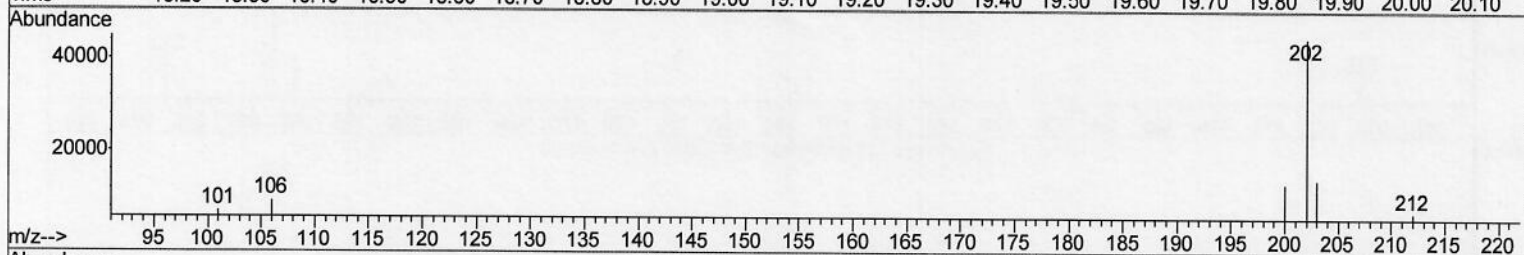
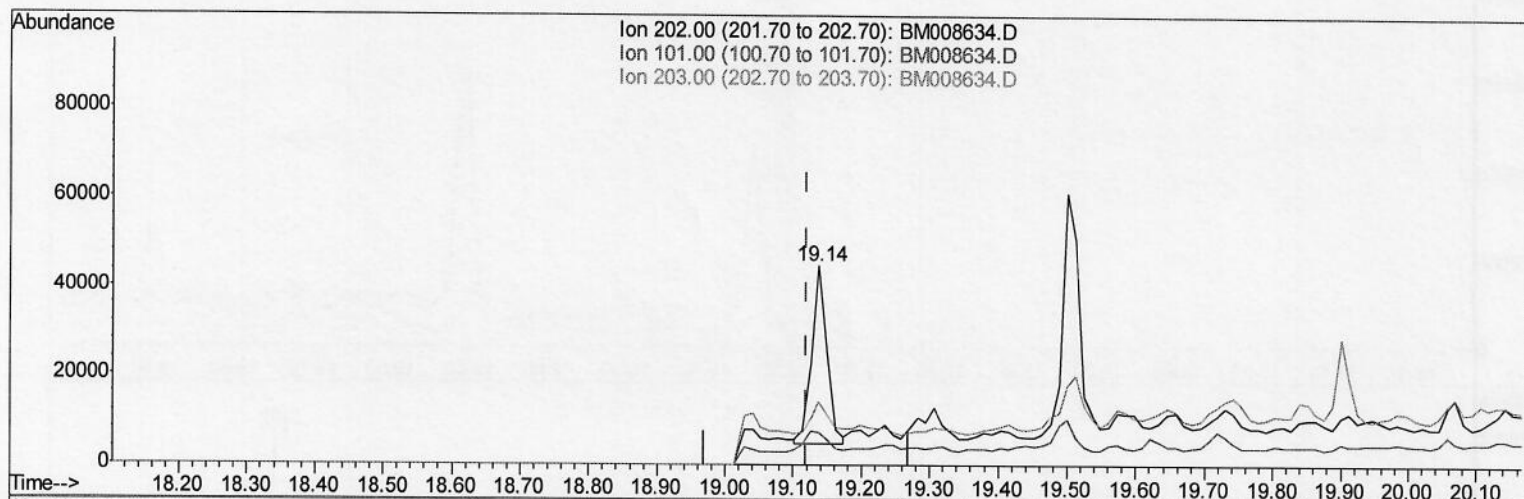
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 00:16:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.138min (+0.017) 1.18ng/ul m 3.5  
 response 62041 12/27/2016

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.30 | 16.36 |
| 203.00 | 19.50 | 31.63 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

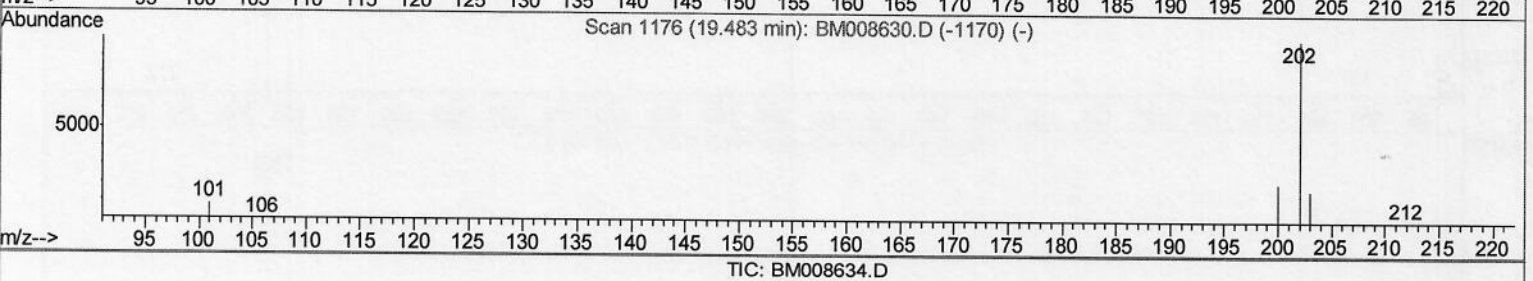
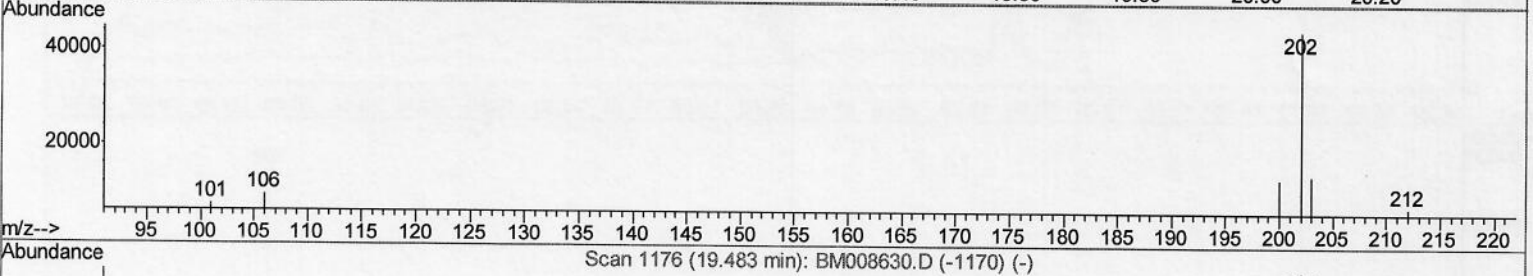
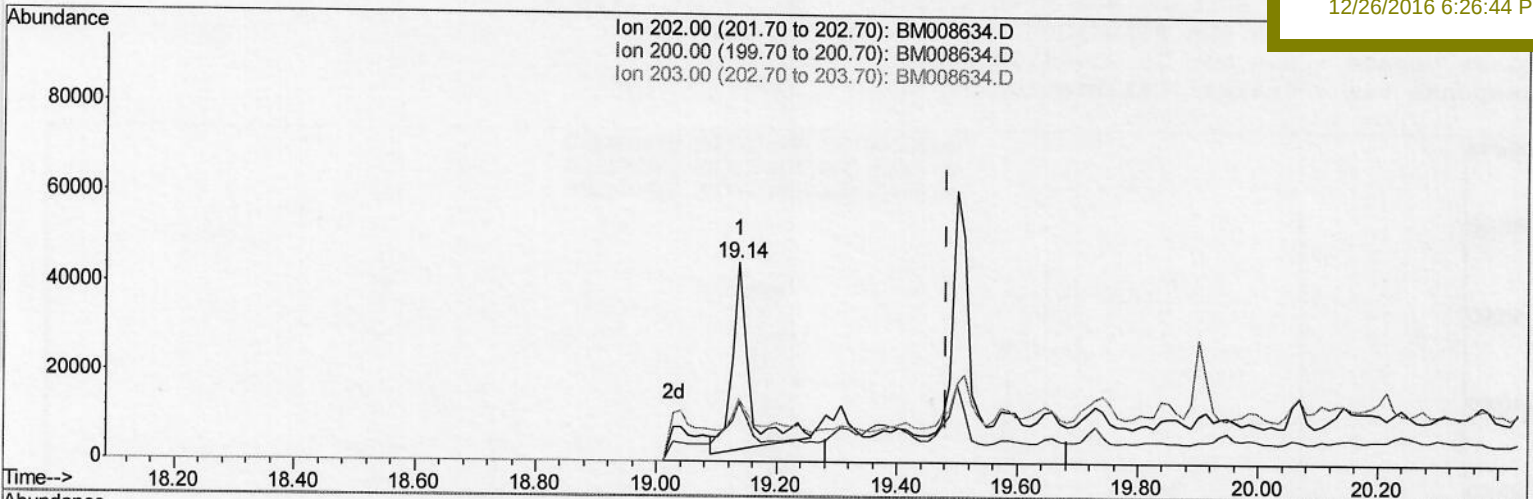
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Quant Time: Dec 26 00:16:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM



(17) Pyrene

19.138min (-0.346) 0.17ng/ul

response 86770

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 200.00 | 22.80 | 29.72# |
| 203.00 | 19.50 | 31.63# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

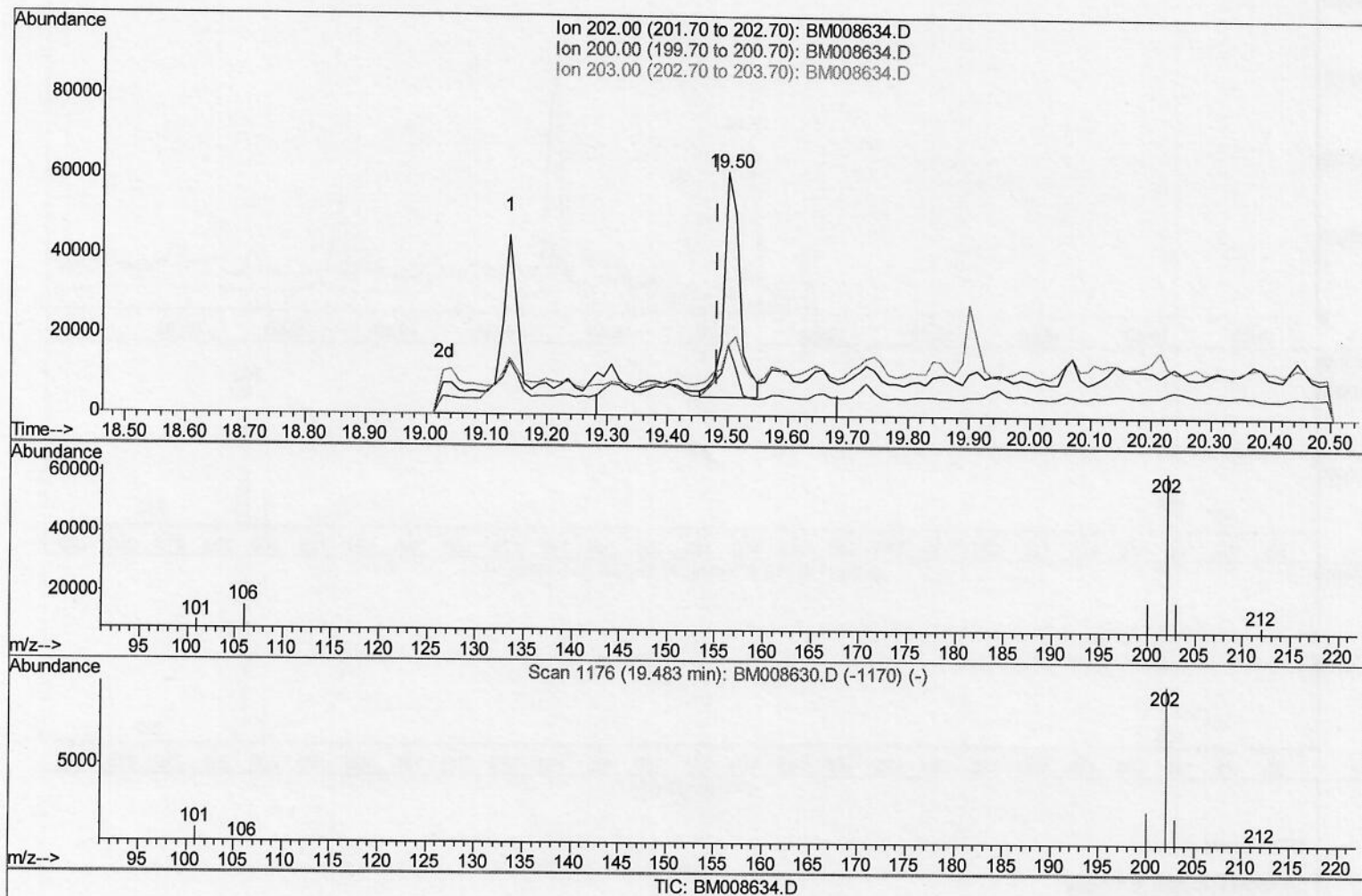
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 00:16:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(17) Pyrene

19.501min (+0.017) 0.20ng/ul m

response 104148

Ion Exp% Act%

202.00 100 100

200.00 22.80 29.29#

203.00 19.50 29.08#

0.00 0.00 0.00

S.O.  
 12/27/2016

# Quantitation Report (Qedit)

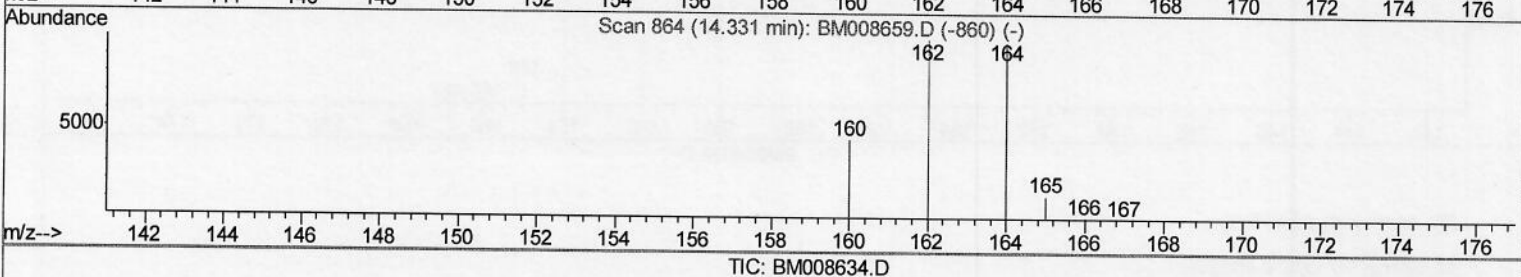
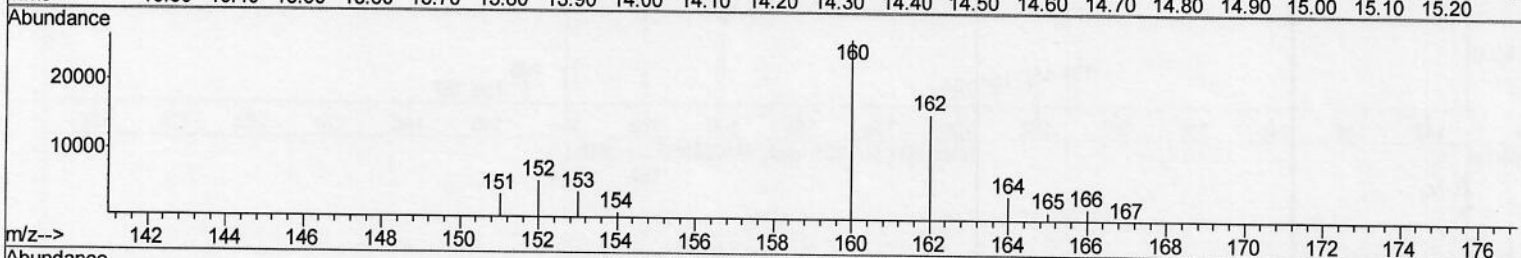
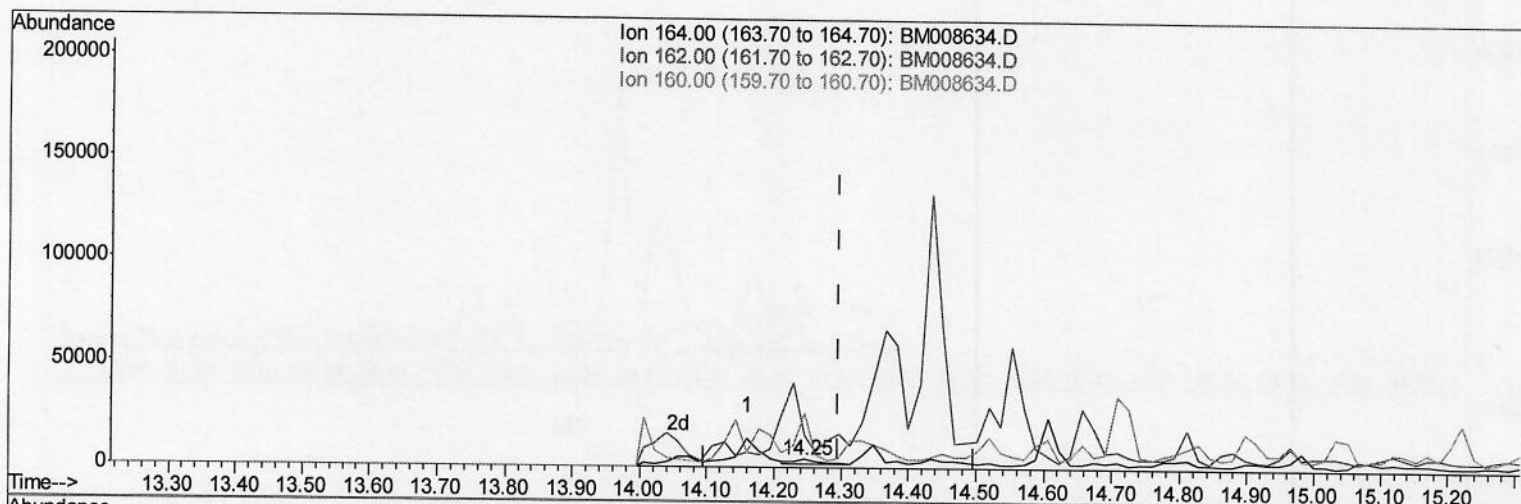
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 00:20:09 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



TIC: BM008634.D

(6) Acenaphthene-d10 (I)

14.246min (-0.051) 0.40ng/ul m

response 6001

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 164.00 | 100   | 100     |
| 162.00 | 98.60 | 394.69# |
| 160.00 | 48.80 | 663.92# |
| 0.00   | 0.00  | 0.00    |

S.S.  
 12/27/2016

## Quantitation Report (Qedit)

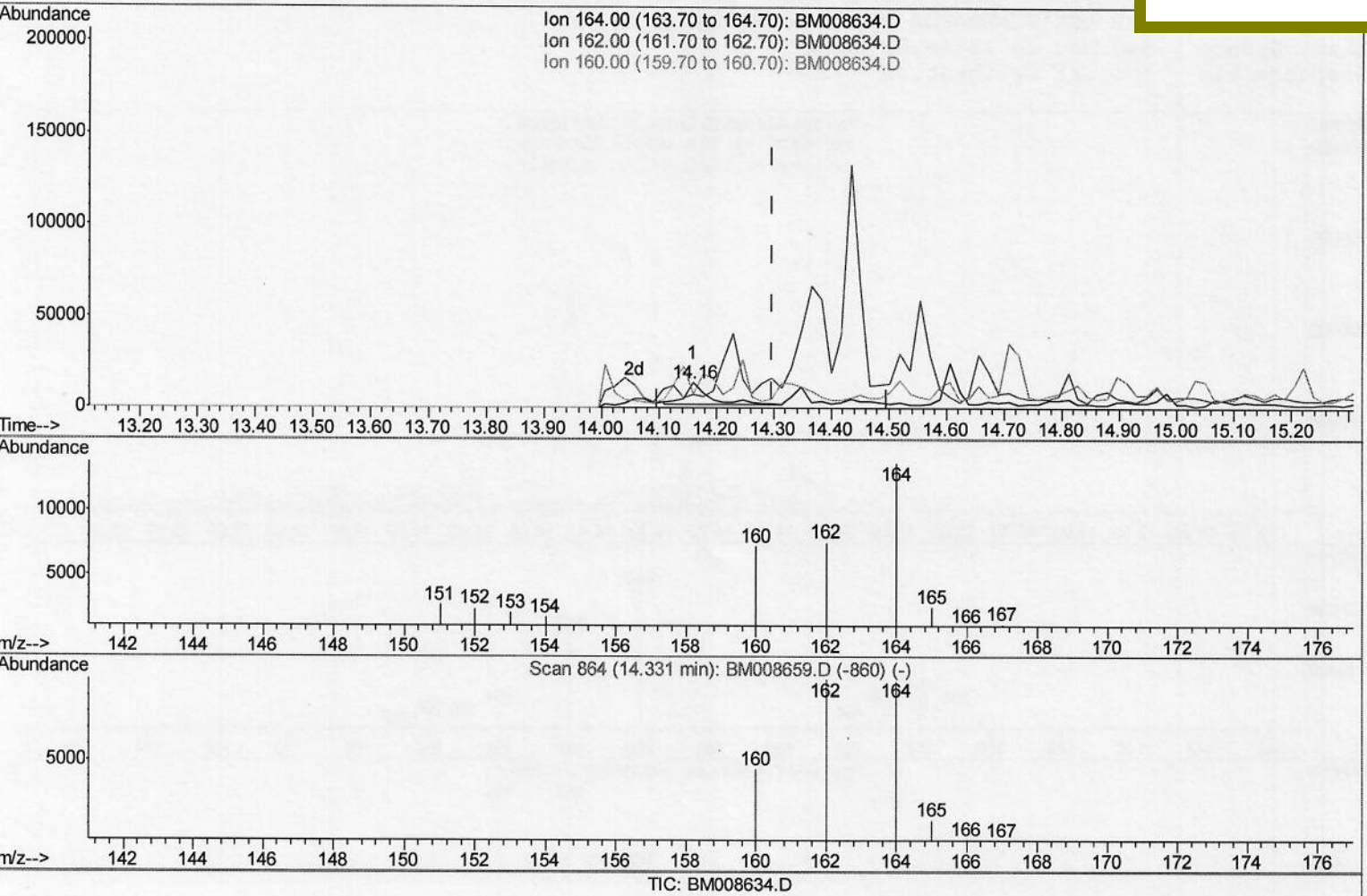
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
Data File : BM008634.D  
Acq On : 24 Dec 2016 15:52  
Operator : UM/SJ  
Sample : H5995-03  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
DA864

Manual Integrations  
APPROVED

sohil  
12/26/2016 6:26:44 PM

Quant Time: Dec 26 00:20:09 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Dec 25 23:48:32 2016  
Response via : Initial Calibration



(6) Acenaphthene-d10 (I)

14.160min (-0.137) 0.40ng/ul

response 33139

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 164.00 | 100   | 100    |
| 162.00 | 98.60 | 54.62# |
| 160.00 | 48.80 | 52.42  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

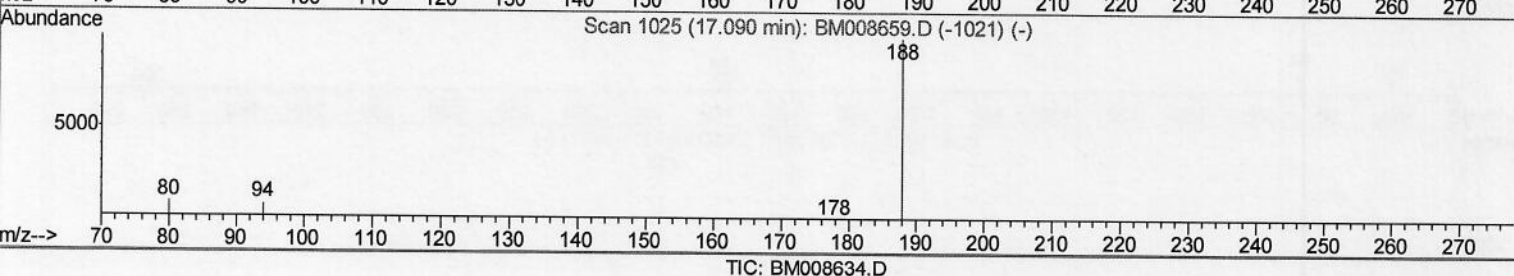
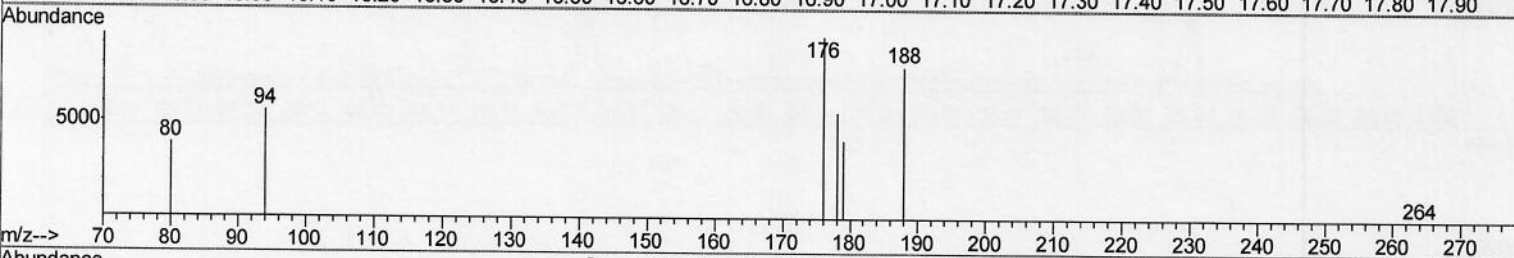
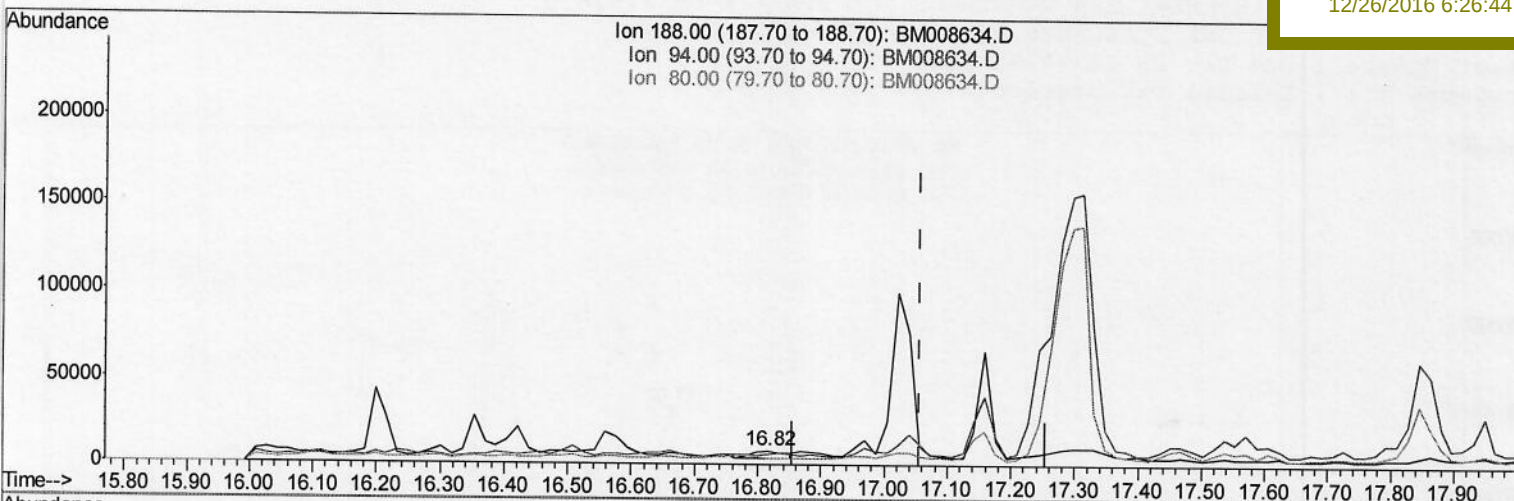
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 14:03:51 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

16.816min (-0.240) 0.40ng/ul

response 14087

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 11.00 | 70.39# |
| 80.00  | 11.80 | 49.50# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

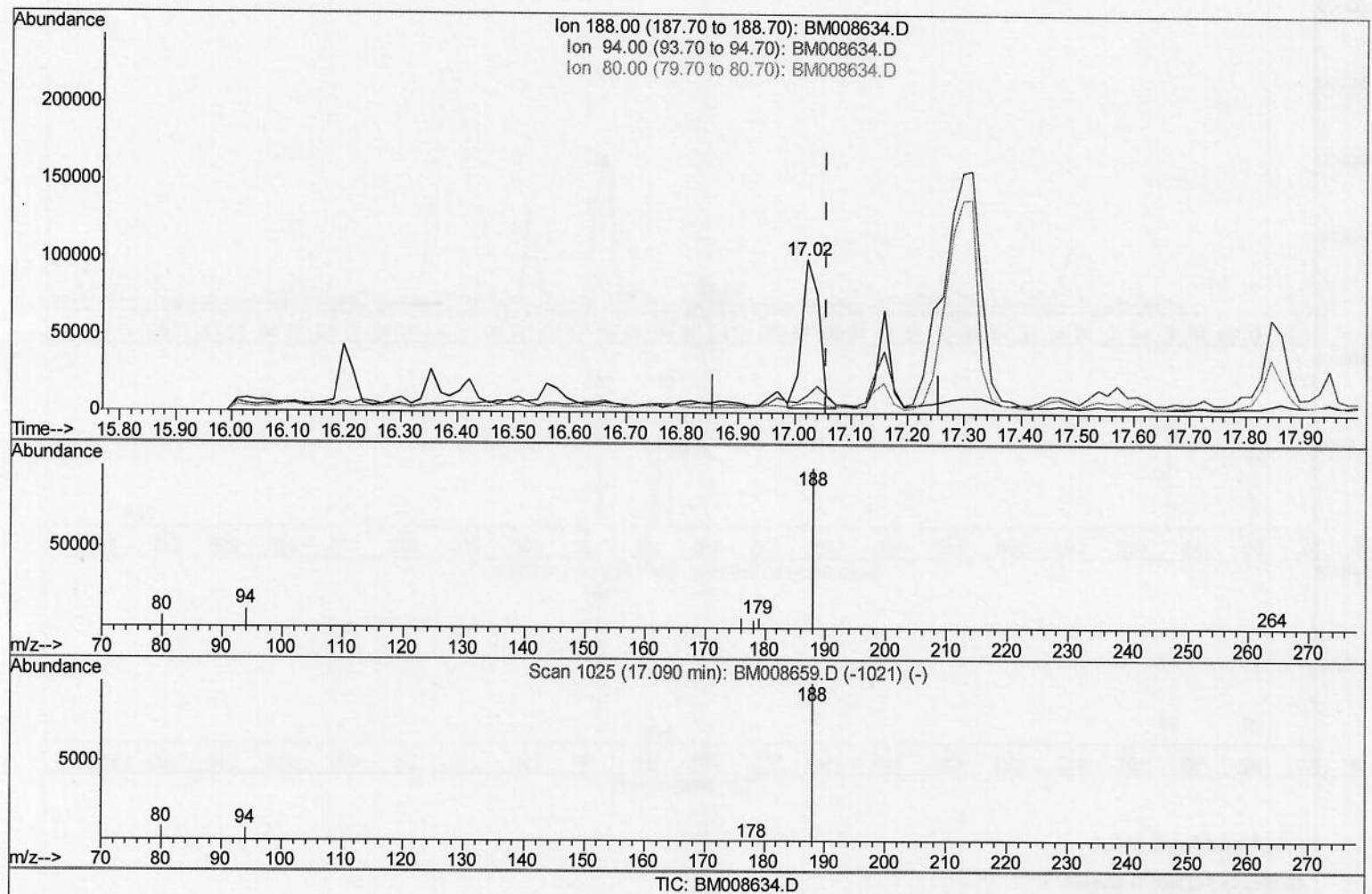
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 14:03:51 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.022min (-0.034) 0.40ng/ul m

response 206242

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 11.19 |
| 80.00  | 11.80 | 6.98# |
| 0.00   | 0.00  | 0.00  |

3.5  
 12/27/2016

# Quantitation Report (Qedit)

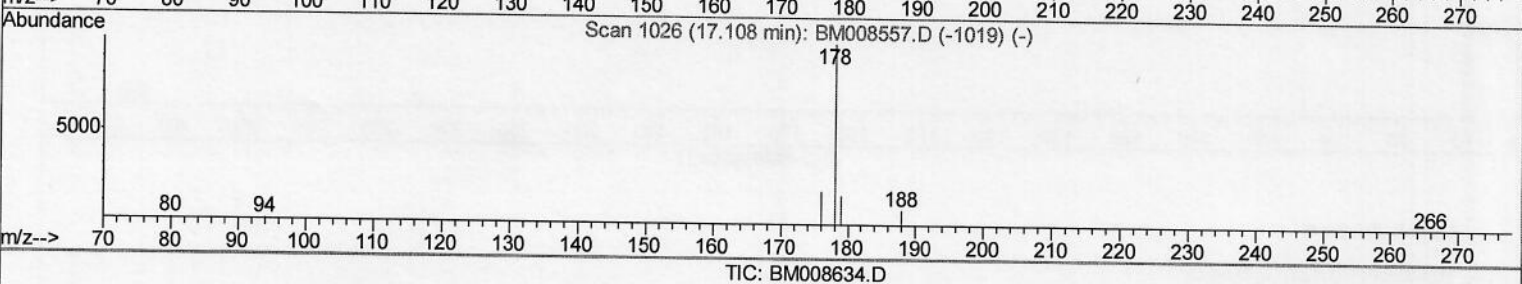
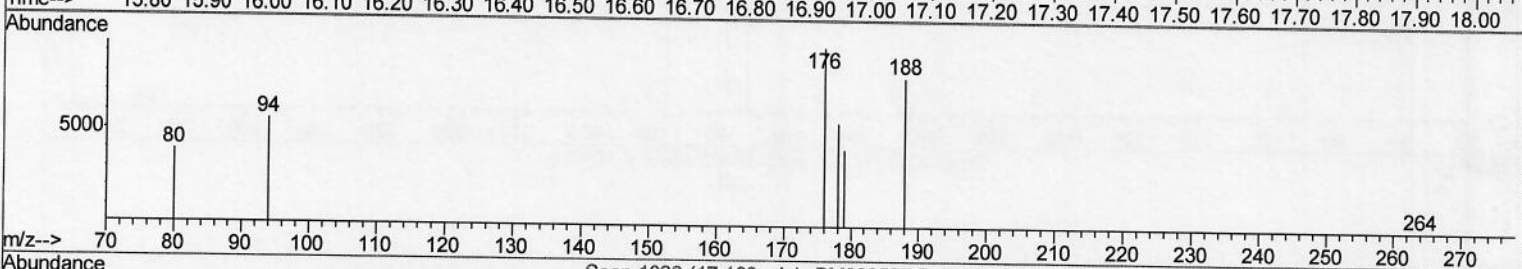
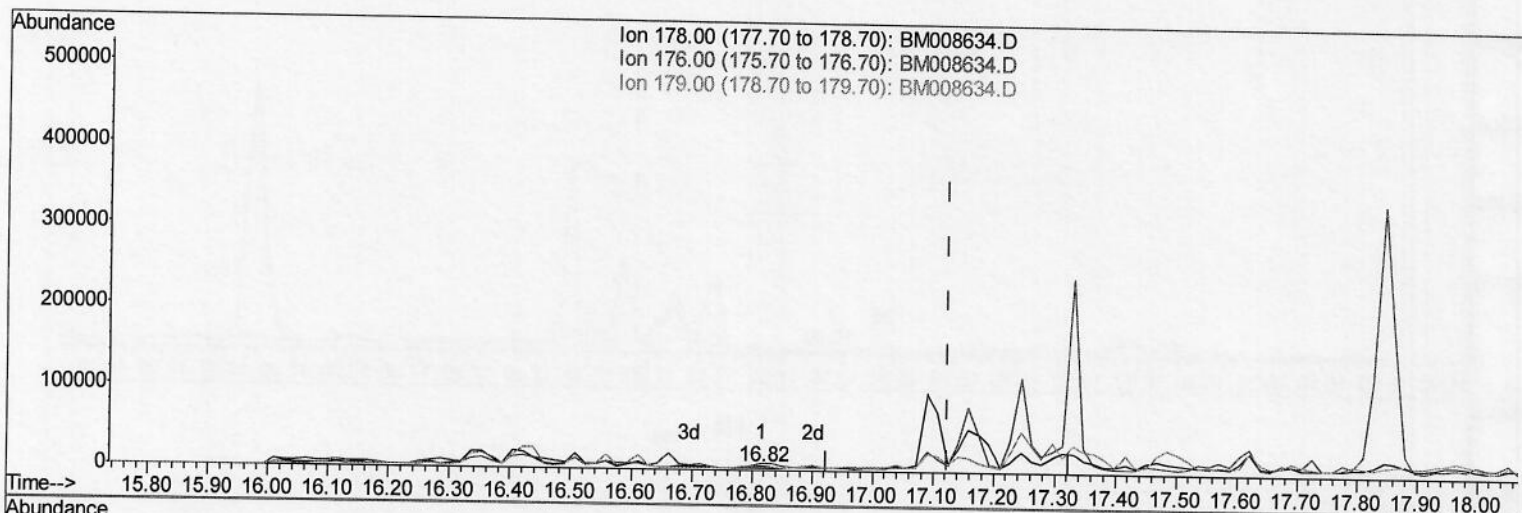
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 Client Sampled :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 27 06:23:15 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 26 03:21:10 2016  
 Response via : Initial Calibration



TIC: BM008634.D

(12) Phenanthrene

16.816min (-0.309) 0.16ng/ul

response 6997

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 176.00 | 23.00 | 169.92# |
| 179.00 | 17.00 | 73.91#  |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

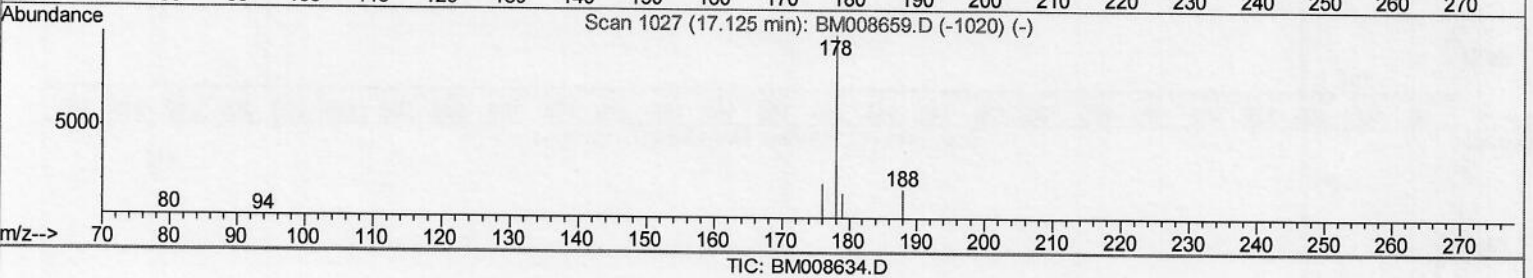
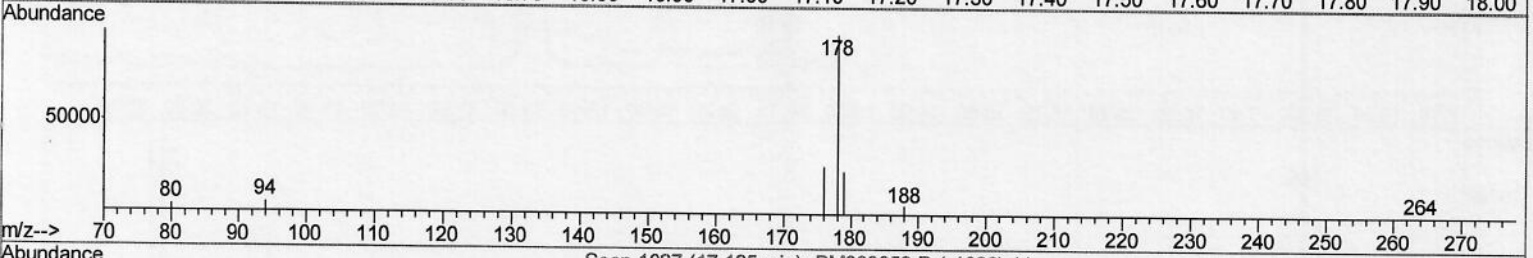
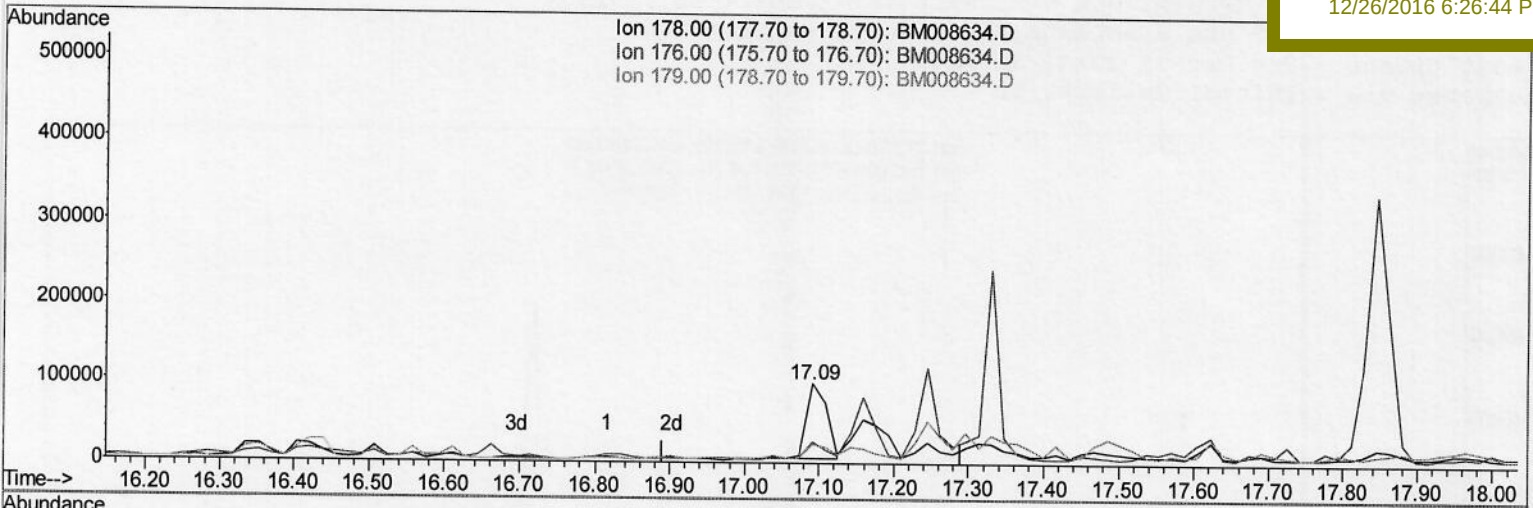
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Quant Time: Dec 26 14:04:40 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM



(12) Phenanthrene

17.091min (+0.000) 0.28ng/ul m

response 175037

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 176.00 | 23.00 | 26.86  |
| 179.00 | 17.00 | 23.81# |
| 0.00   | 0.00  | 0.00   |

5.5  
 12/27/2016

# Quantitation Report (Qedit)

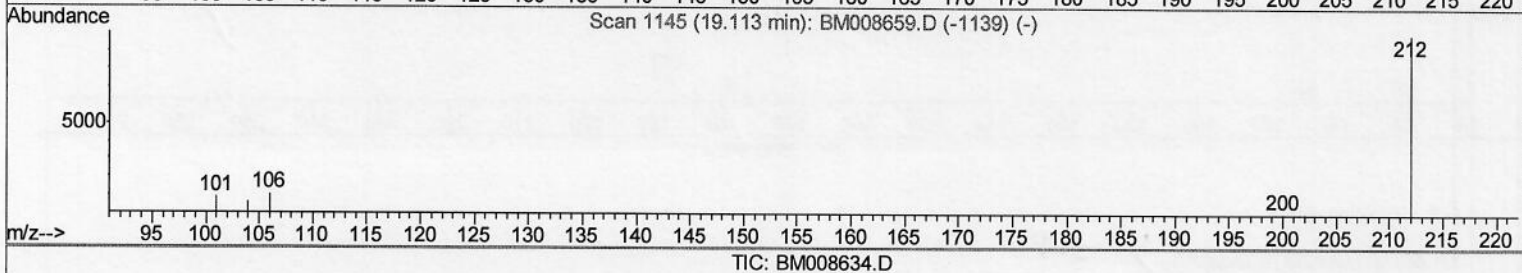
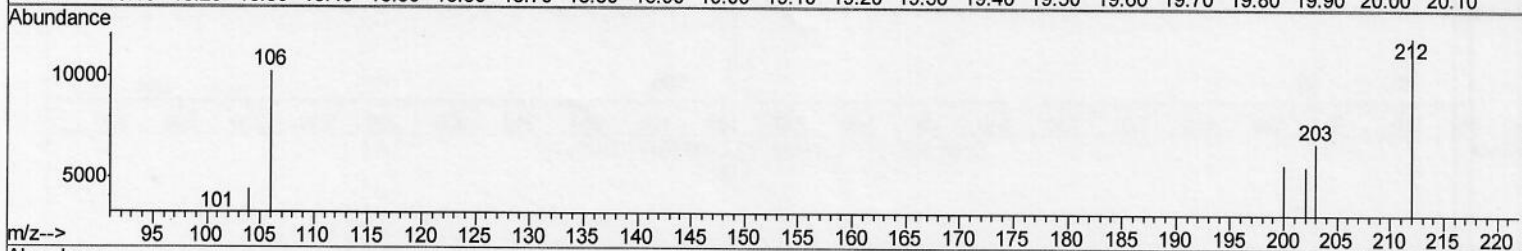
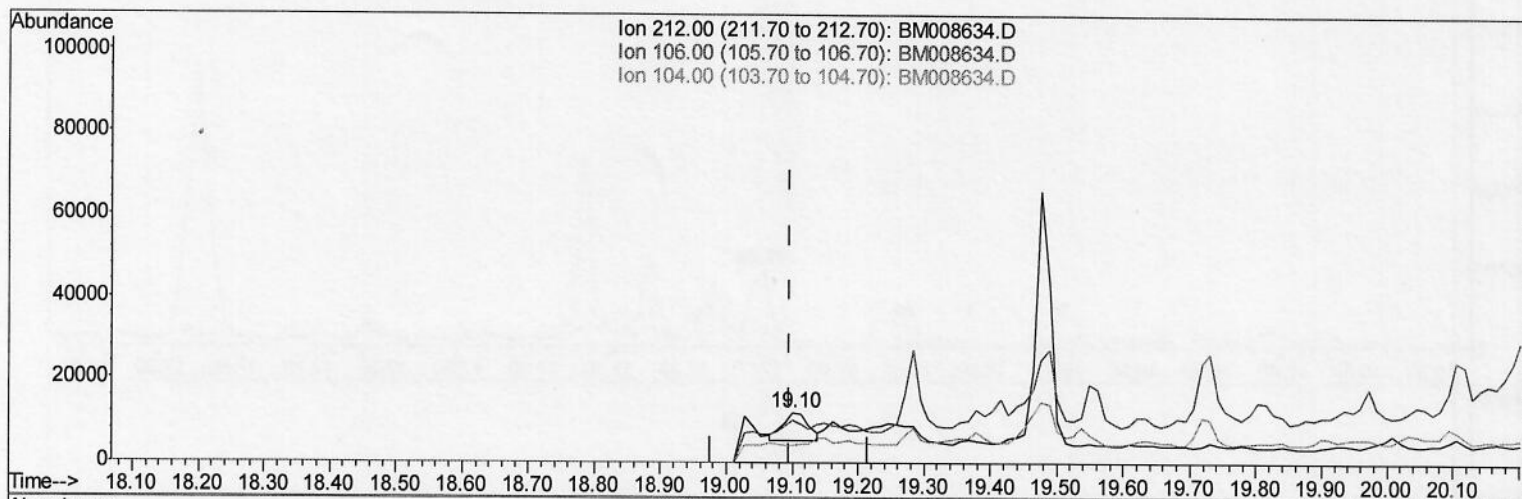
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 14:06:48 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURRE)

19.101min (+0.005) 0.34ng/ul m

response 18187

| 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  |

5.5.  
 12/27/2016

# Quantitation Report (Qedit)

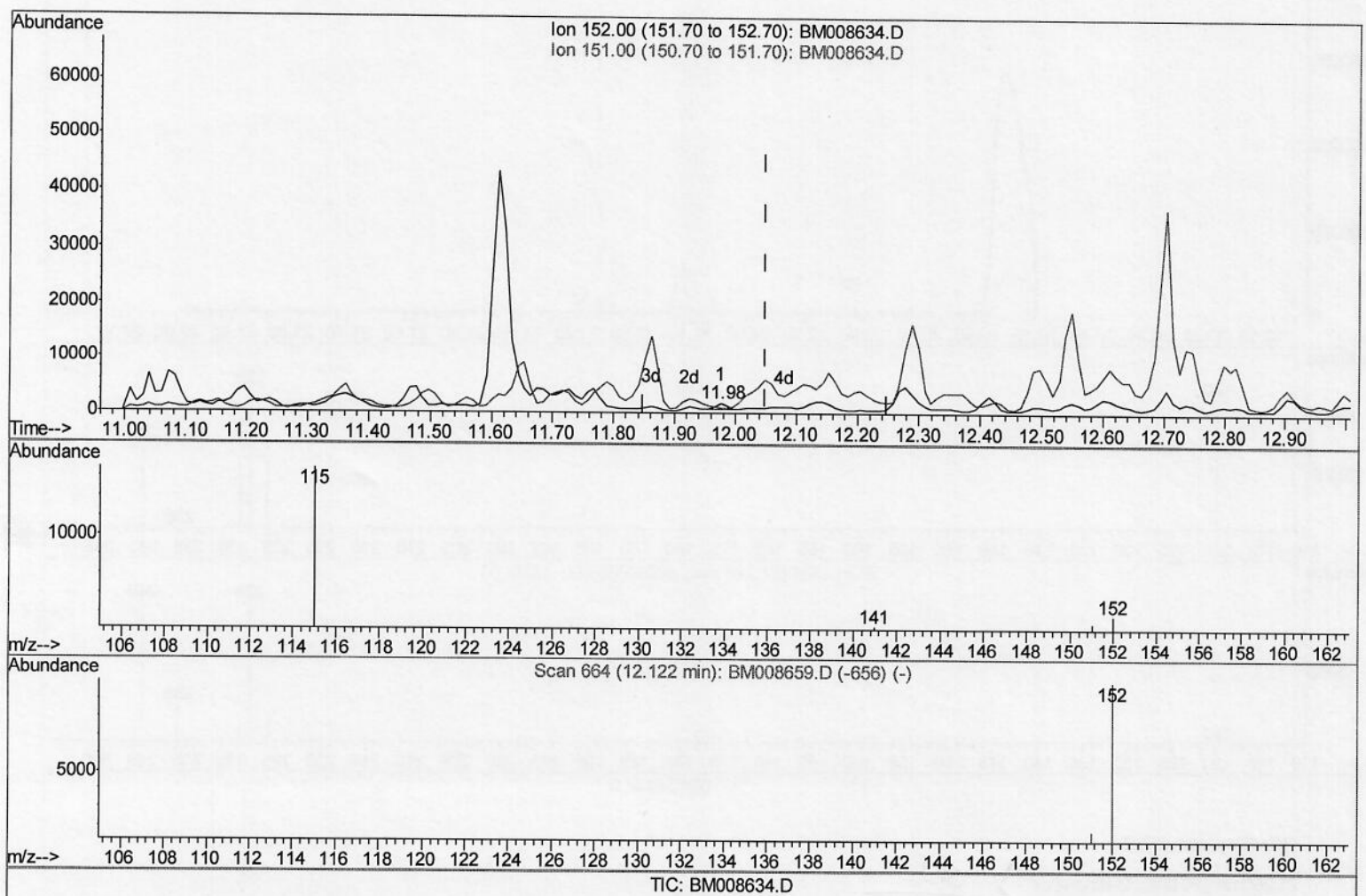
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 14:08:11 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(4) 2-Methylnaphthalene-d10 (SURR)

11.976min (-0.073) 0.04ng/ul

response 1419

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 152.00 | 100   | 100   |
| 151.00 | 19.30 | 0.00# |
| 0.00   | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

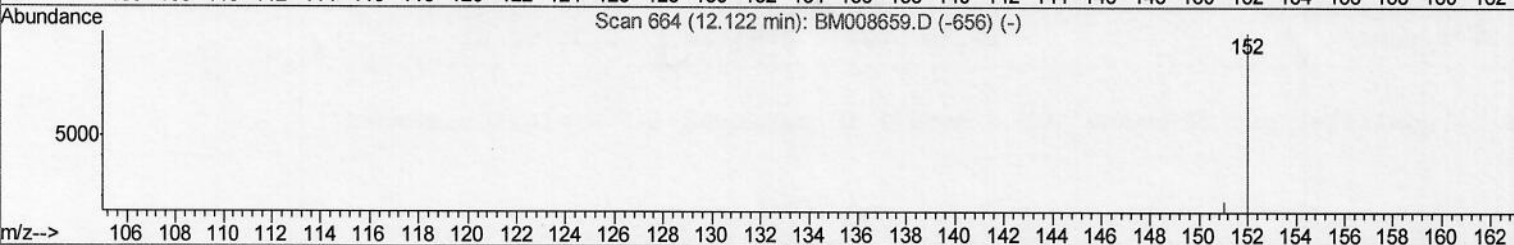
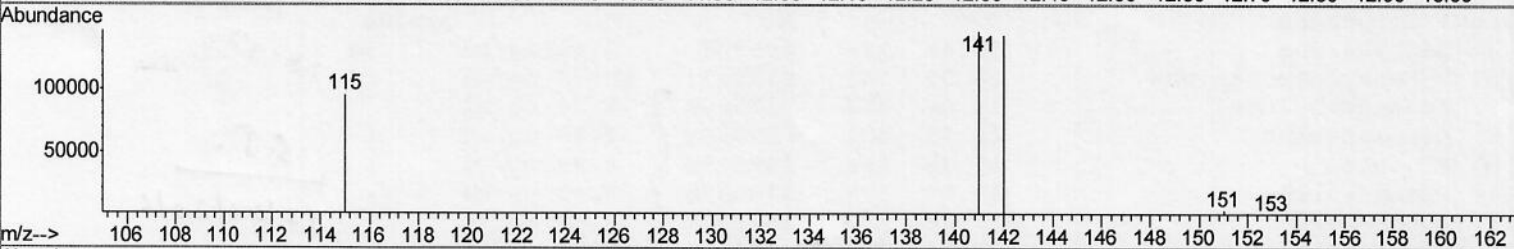
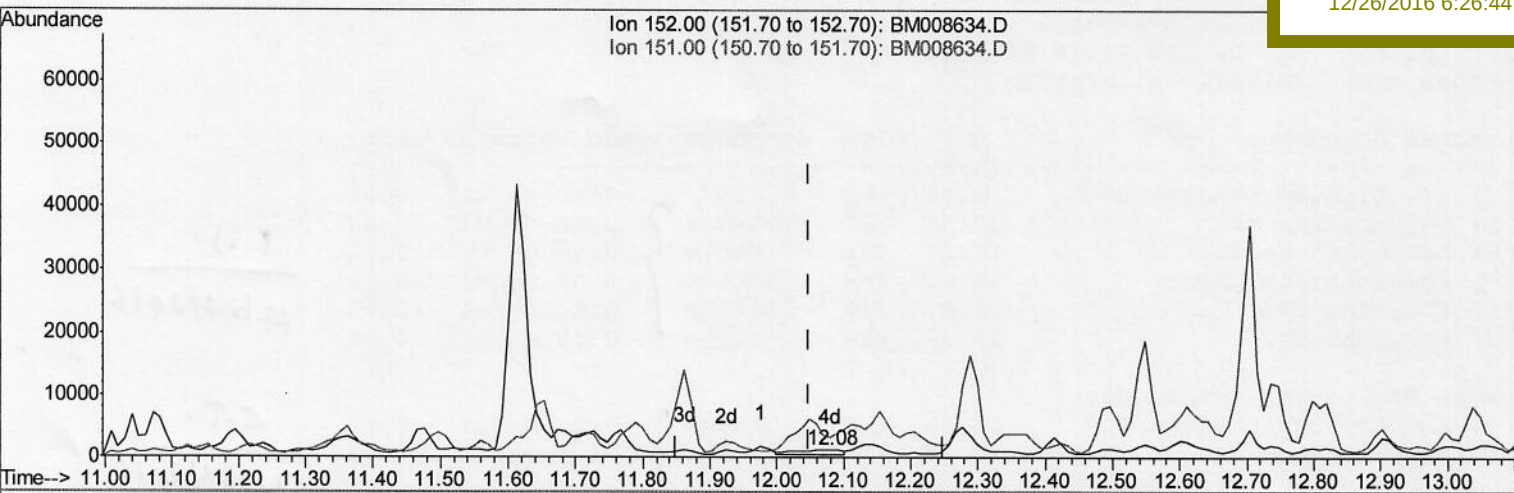
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
Data File : BM008634.D  
Acq On : 24 Dec 2016 15:52  
Operator : UM/SJ  
Sample : H5995-03  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA864

Manual Integrations  
APPROVED

sohil  
12/26/2016 6:26:44 PM

Quant Time: Dec 26 14:08:11 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Dec 25 23:48:32 2016  
Response via : Initial Calibration



TIC: BM008634.D

(4) 2-Methylnaphthalene-d10 (SURR)

12.080min (+0.031) 0.13ng/ul m

response 4407

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 152.00 | 100   | 100   |
| 151.00 | 19.30 | 0.00# |
| 0.00   | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

> 3.5.  
12/27/2016

## Quantitation Report (Qedit)

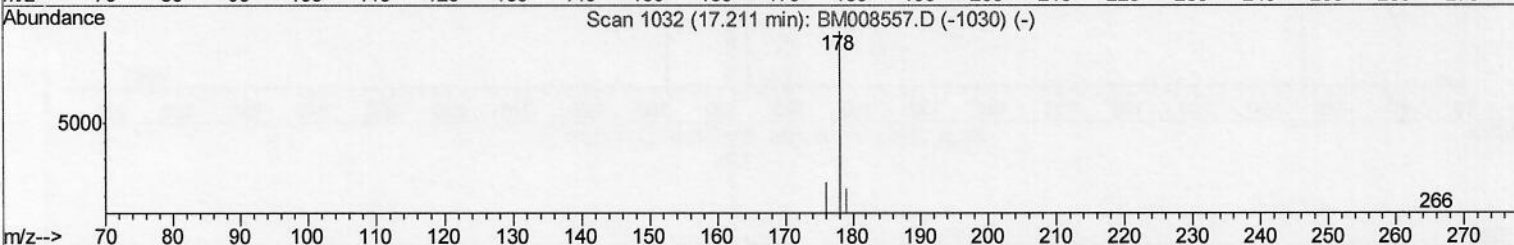
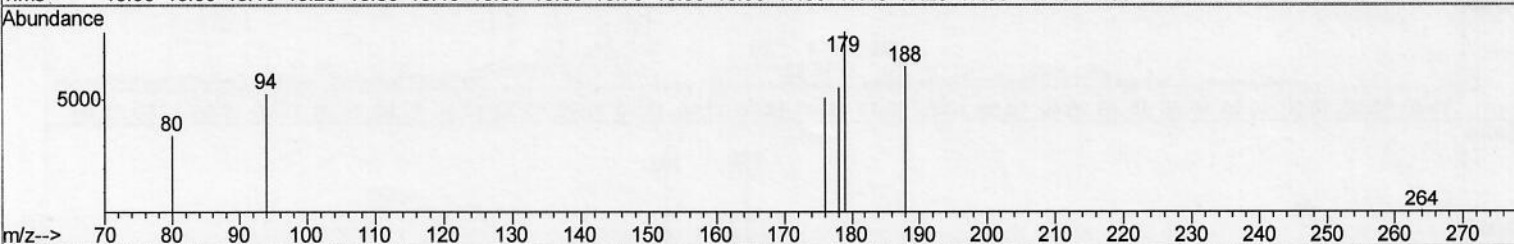
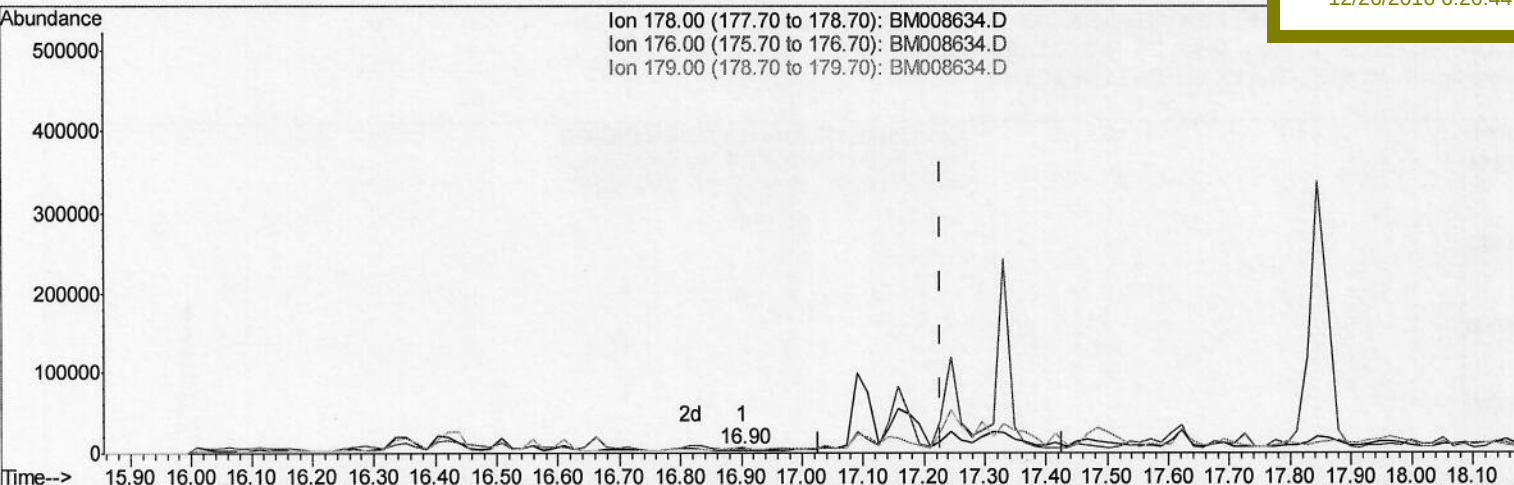
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
Data File : BM008634.D  
Acq On : 24 Dec 2016 15:52  
Operator : UM/SJ  
Sample : H5995-03  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA864

Manual Integrations  
APPROVED

sohil  
12/26/2016 6:26:44 PM

Quant Time: Dec 27 06:23:15 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 26 03:21:10 2016  
Response via : Initial Calibration



TIC: BM008634.D

(13) Anthracene

16.902min (-0.326) 0.14ng/ul

response 5642

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 176.00 | 22.60 | 92.94#  |
| 179.00 | 18.40 | 143.18# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

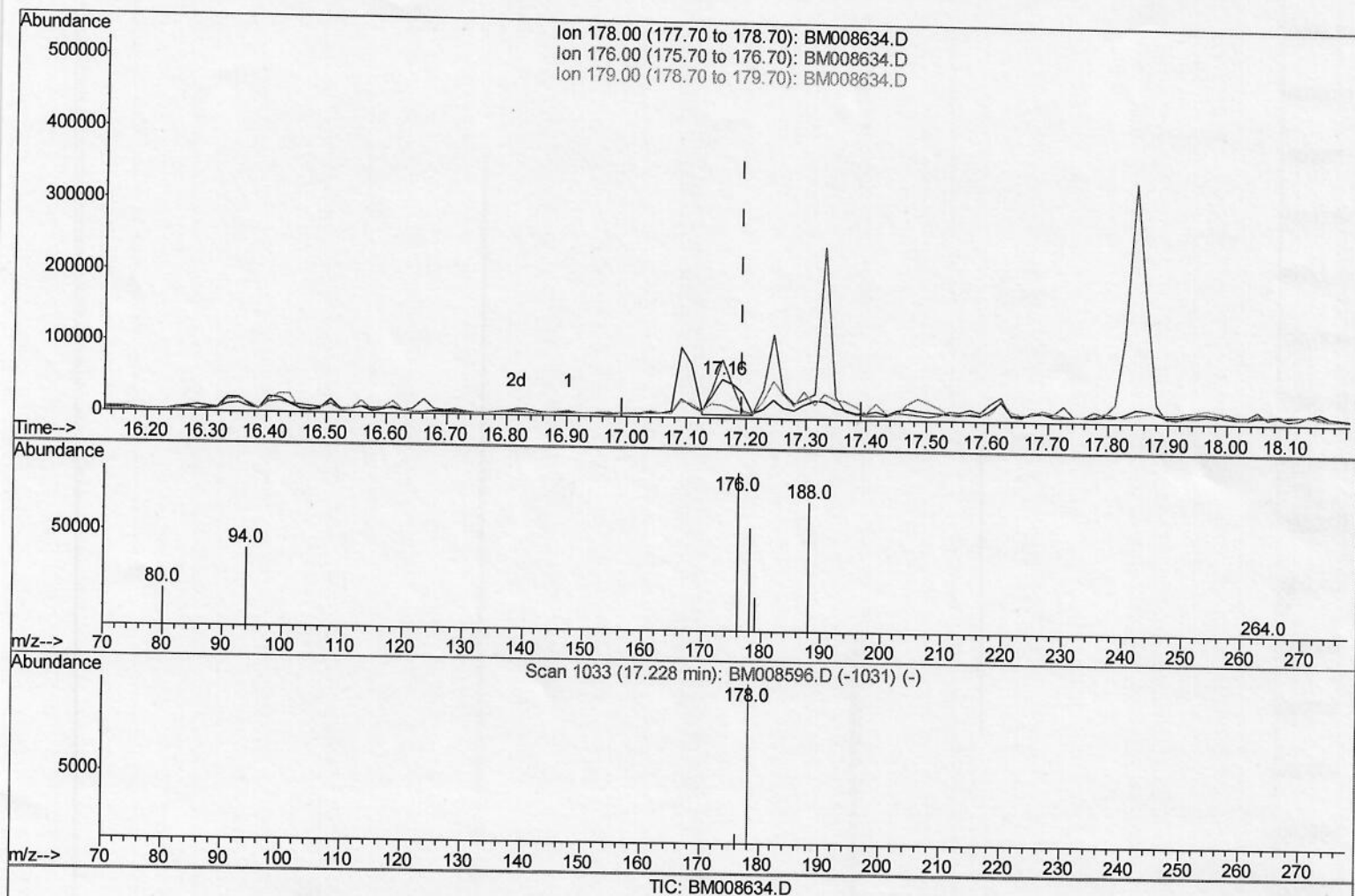
Data Path : Z:\HPCHEM1\BNA M\Data\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 14:12:02 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration



(13) Anthracene

17.159min (-0.034) 2.62ng/ul m

response 152920

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 176.00 | 22.60 | 151.82# |
| 179.00 | 18.40 | 33.05#  |
| 0.00   | 0.00  | 0.00    |

S.J.  
 12/27/2016

# Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
 Data File : BM008634.D  
 Acq On : 24 Dec 2016 15:52  
 Operator : UM/SJ  
 Sample : H5995-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 Client Sampled :  
 DA864

Manual Integrations  
 APPROVED

sohil  
 12/26/2016 6:26:44 PM

Quant Time: Dec 26 14:12:02 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 25 23:48:32 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.64  | 152  | 597      | 0.40  | ng/ul | -0.05    |
| 2) Naphthalene-d8           | 10.38 | 136  | 21626m   | 0.40  | ng/ul | -0.07    |
| 6) Acenaphthene-d10         | 14.25 | 164  | 6001m    | 0.40  | ng/ul | -0.05    |
| 10) Phenanthrene-d10        | 16.97 | 188  | 19650m   | 0.40  | ng/ul | -0.09    |
| 16) Chrysene-d12            | 21.27 | 240  | 11689m   | 0.40  | ng/ul | 0.00     |
| 20) Perylene-d12            | 23.53 | 264  | 2295m    | 0.40  | ng/ul | 0.05     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 4) 2-Methylnaphthalene-d10  | 12.08 | 152  | 4407m    | 0.13  | ng/ul | 0.03     |
| 14) Fluoranthene-d10        | 19.10 | 212  | 18187m   | 0.34  | ng/ul | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 3) Naphthalene              | 10.46 | 128  | 206935   | 3.40  | ng/ul | 94       |
| 5) 2-Methylnaphthalene      | 12.09 | 142  | 412411   | 10.07 | ng/ul | 99       |
| 7) Acenaphthylene           | 14.02 | 152  | 32520m   | 1.20  | ng/ul |          |
| 8) Acenaphthene             | 14.35 | 153  | 50930m   | 2.49  | ng/ul |          |
| 9) Fluorene                 | 15.36 | 166  | 209619m  | 8.99  | ng/ul |          |
| 12) Phenanthrene            | 17.09 | 178  | 175037m  | 2.92  | ng/ul |          |
| 13) Anthracene              | 17.16 | 178  | 152920m  | 2.62  | ng/ul |          |
| 15) Fluoranthene            | 19.14 | 202  | 62041m   | 0.84  | ng/ul |          |
| 17) Pyrene                  | 19.50 | 202  | 104148m  | 2.31  | ng/ul |          |

S.S.  
 12/27/2016

S.S.  
 12/27/2016

S.S.  
 12/27/2016

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

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122416\  
Data File : BM008634.D  
Acq On : 24 Dec 2016 15:52  
Operator : UM/SJ  
Sample : H5995-03  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Dec 26 14:12:02 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Dec 25 23:48:32 2016  
Response via : Initial Calibration

Instrument :  
BNA\_M  
Client Sampled :  
DA864

Manual Integrations  
APPROVED

sohil  
12/26/2016 6:26:44 PM

