

# Quantitation Report (Qedit)

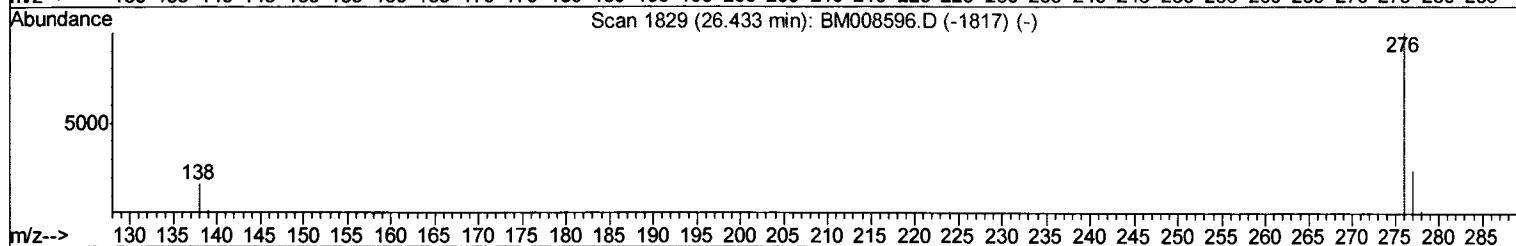
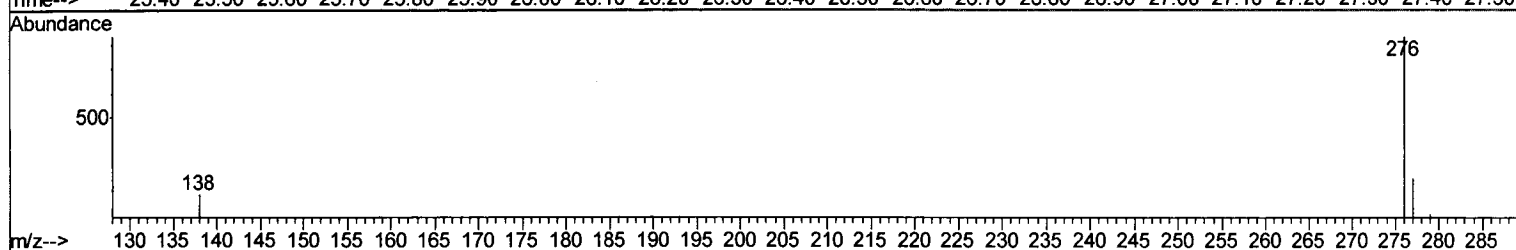
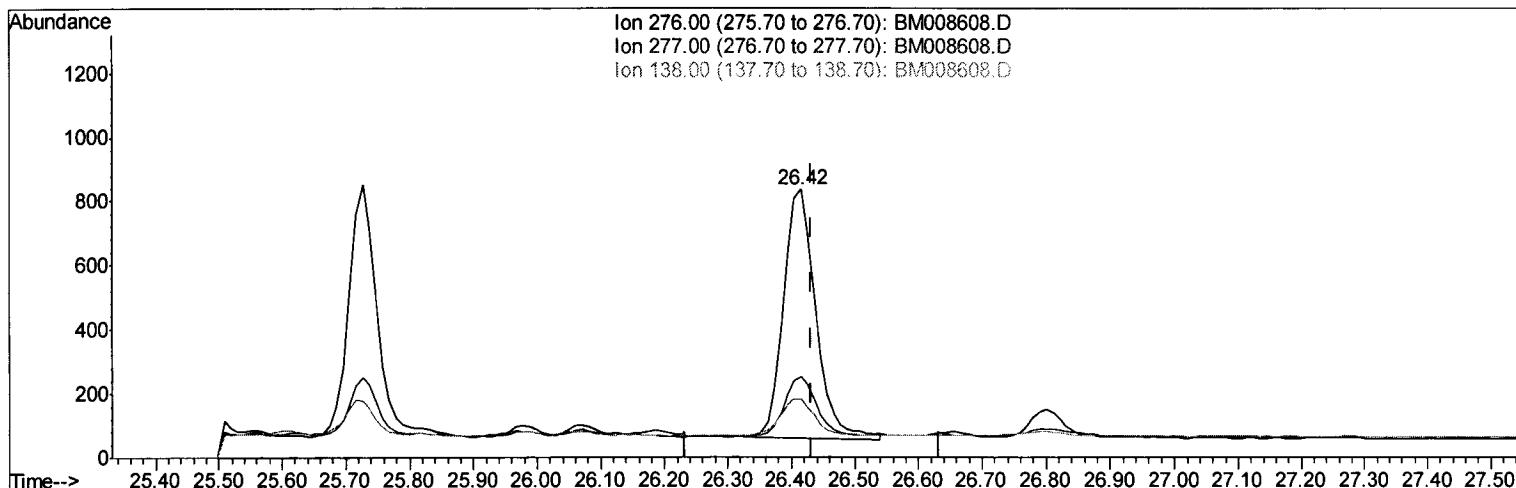
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
 Data File : BM008608.D  
 Acq On : 23 Dec 2016 22:42  
 Operator : UM/SJ  
 Sample : H6069-12  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA7J8

Manual Integrations  
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 12/26/2016 4:03:36 PM

Quant Time: Dec 24 00:29:06 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 23 23:37:39 2016  
 Response via : Initial Calibration



TIC: BM008608.D

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

26.415min (-0.017) 0.53ng/ul m

response 2750

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 277.00 | 27.30 | 29.98 |
| 138.00 | 25.60 | 21.94 |
| 0.00   | 0.00  | 0.00  |

5.5  
 12/27/2016

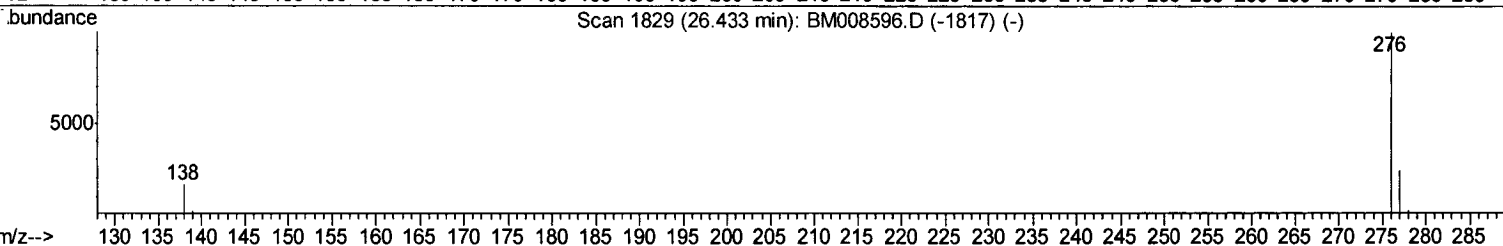
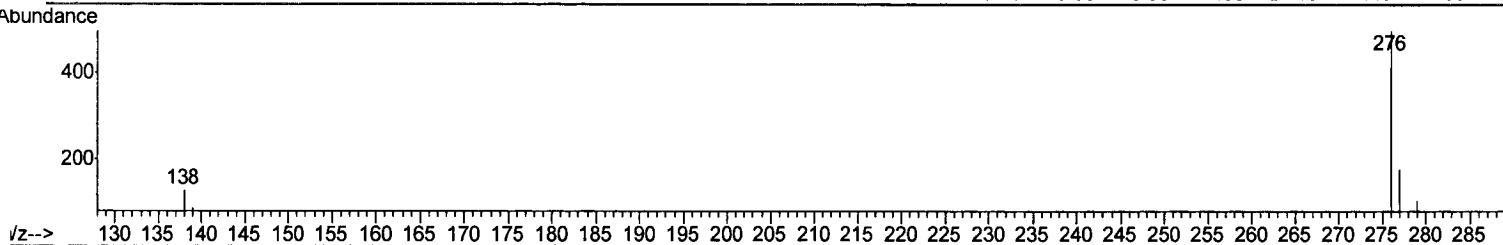
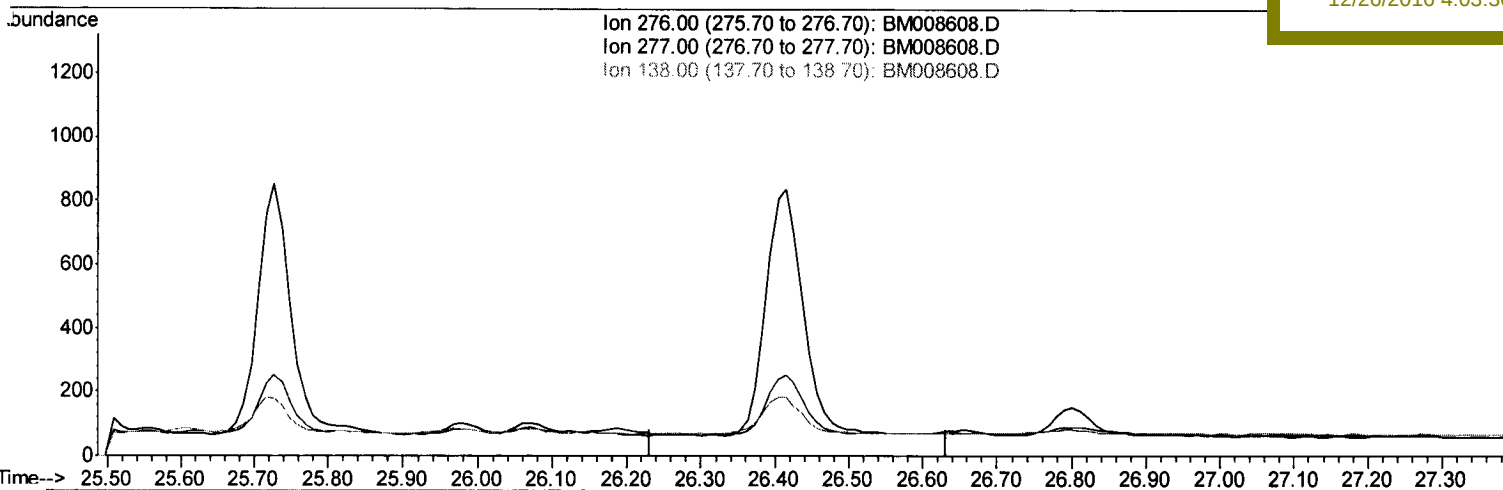
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
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Operator : UM/SJ  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

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TIC: BM008608.D

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

26.433min (-26.433) 0.00ng/ul

response 0

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

# Quantitation Report (Qedit)

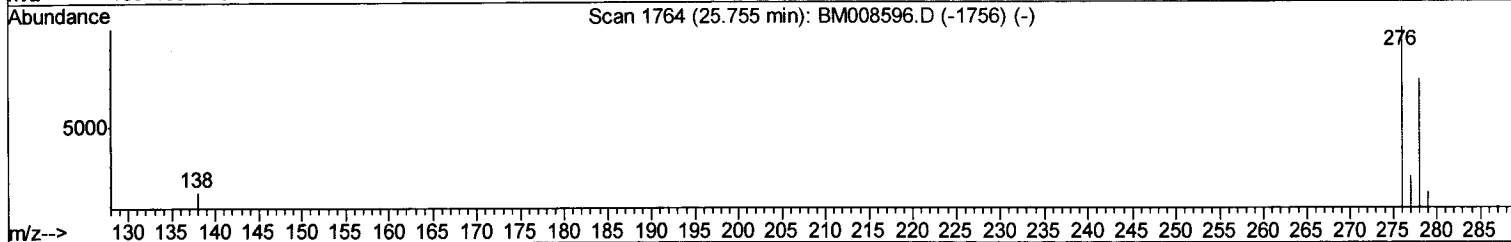
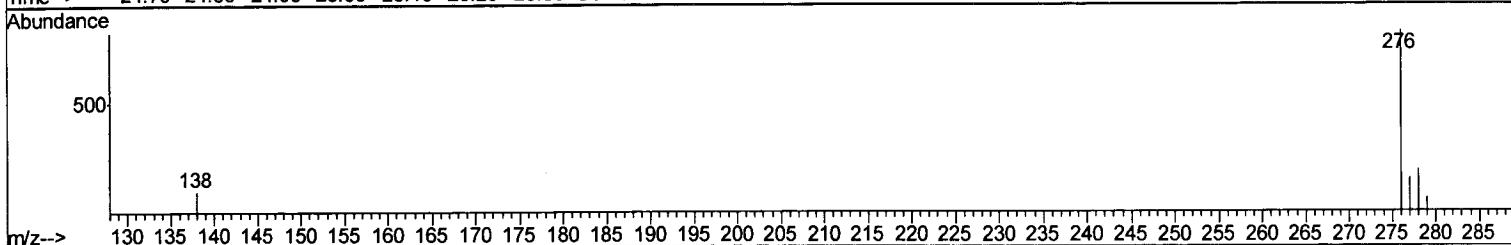
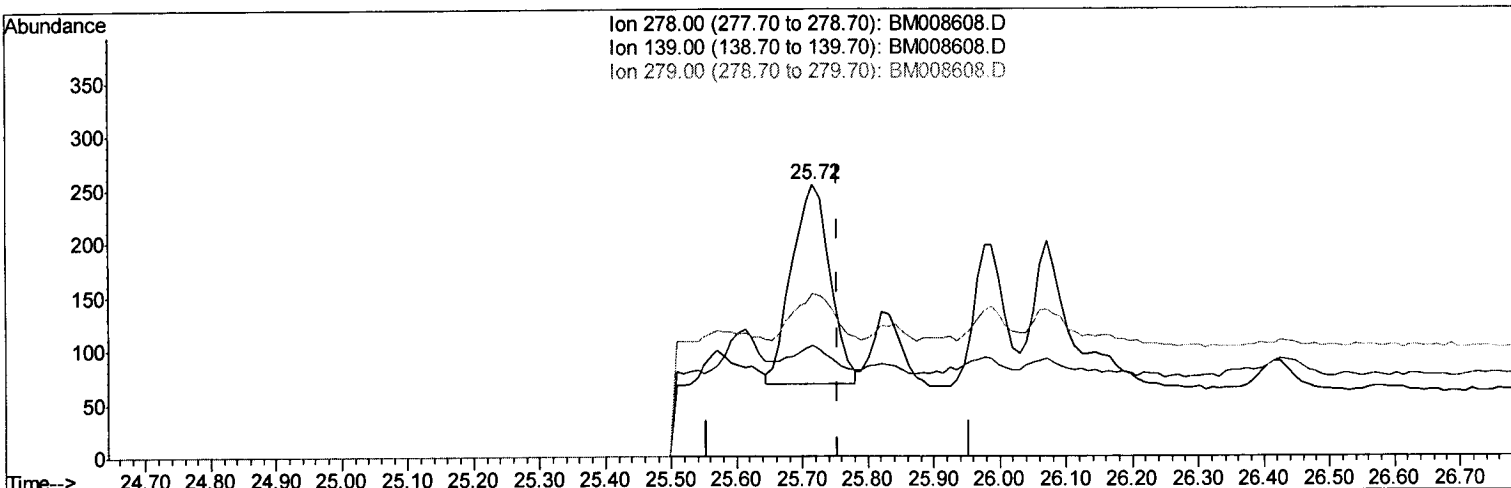
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
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 Acq On : 23 Dec 2016 22:42  
 Operator : UM/SJ  
 Sample : H6069-12  
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 ALS Vial : 17 Sample Multiplier: 1

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(25) Dibenzo(a,h)anthracene

25.717min (-0.038) 0.15ng/ul m

response 752

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 21.70 | 40.71# |
| 279.00 | 32.40 | 60.08# |
| 0.00   | 0.00  | 0.00   |

SJ  
 12/24/2016

# Quantitation Report (Qedit)

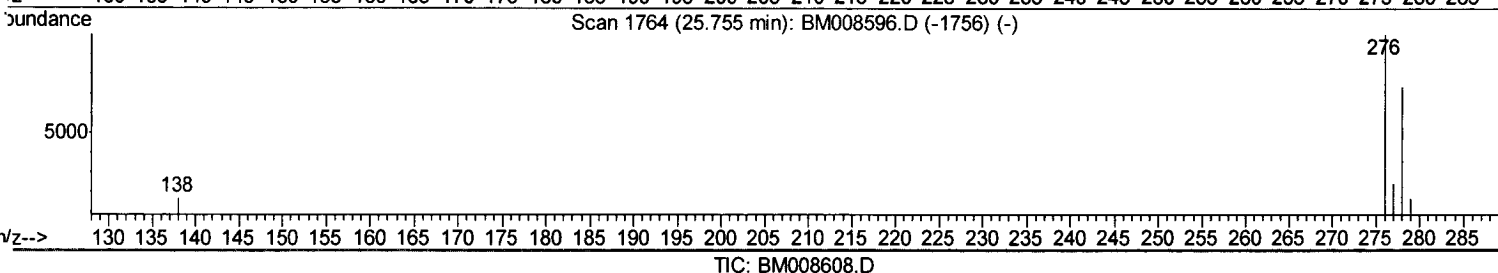
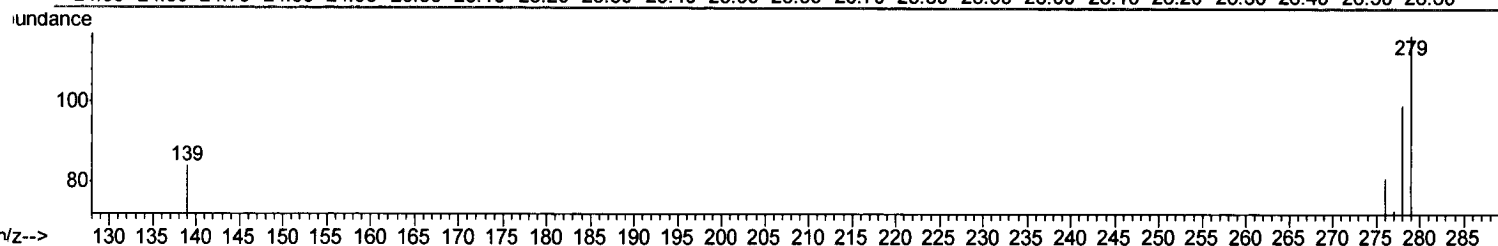
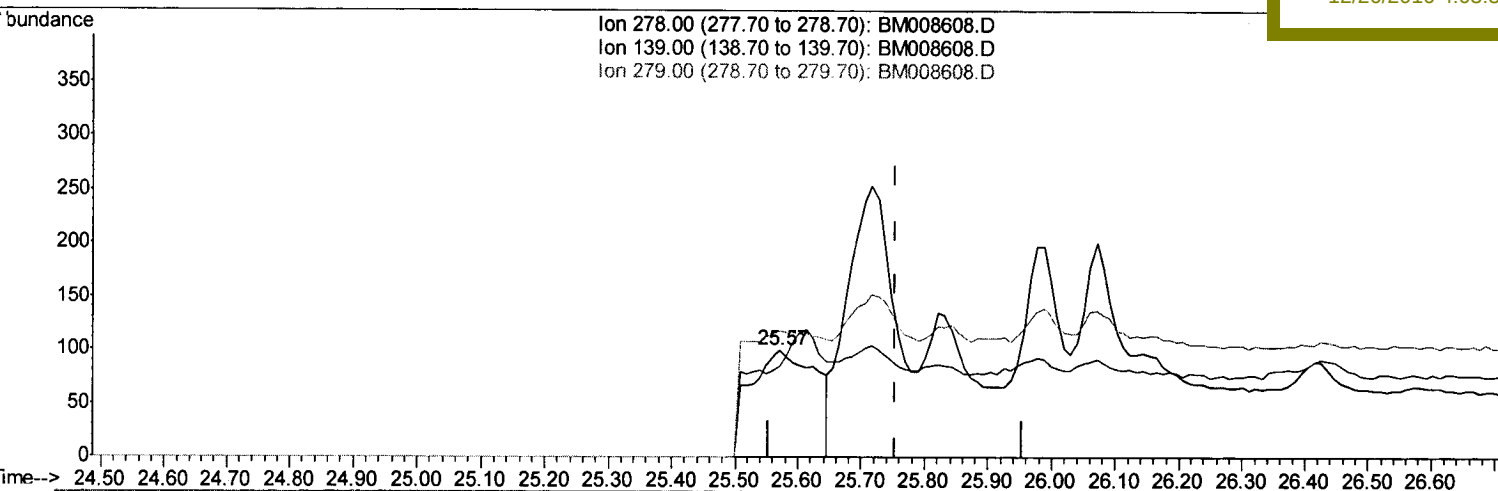
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
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 Operator : UM/SJ  
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(25) Dibenzo(a,h)anthracene

25.571min (-0.184) 0.15ng/ul

response 713

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 278.00 | 100   | 100     |
| 139.00 | 21.70 | 84.85#  |
| 279.00 | 32.40 | 118.18# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

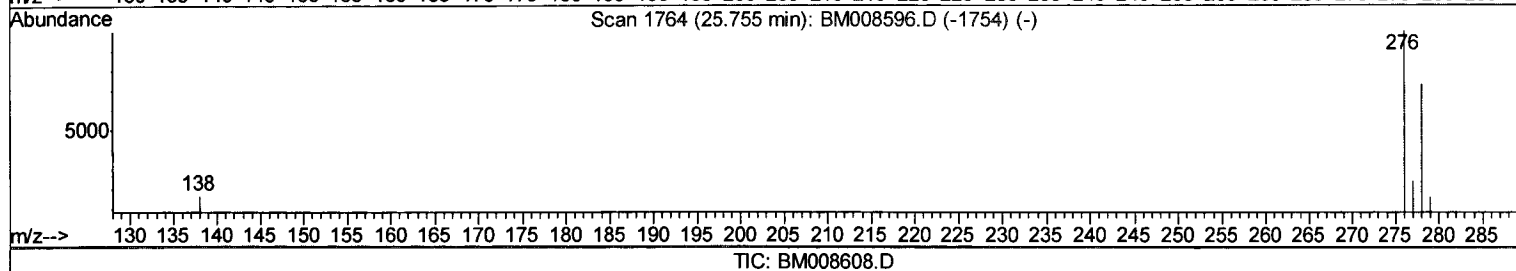
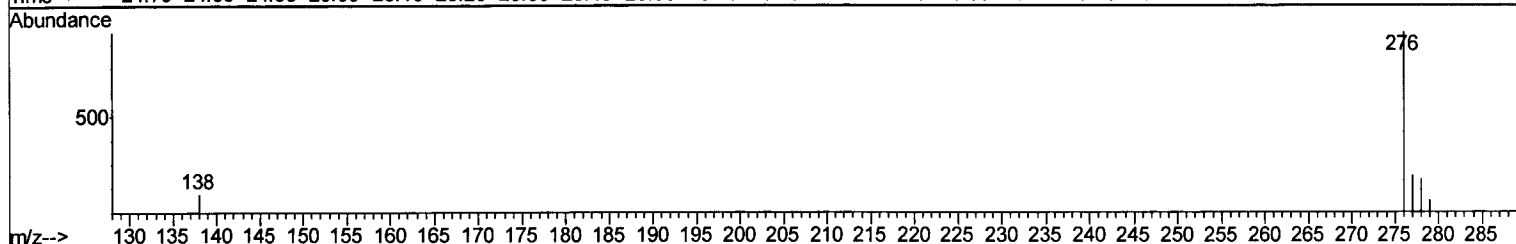
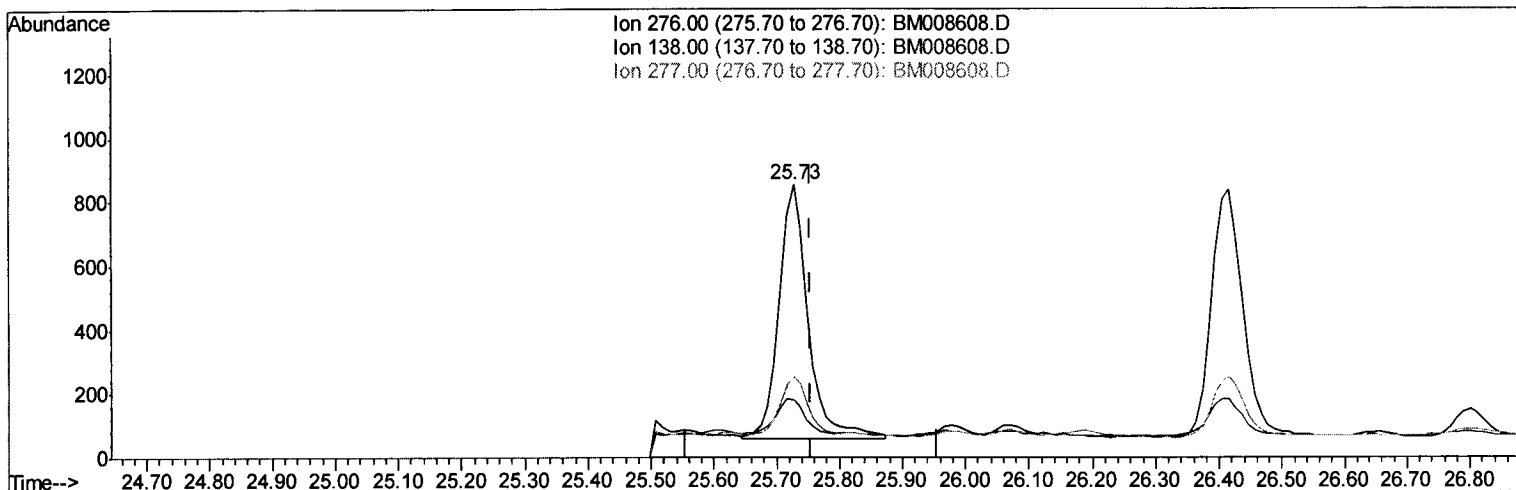
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
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(24) Indeno(1,2,3-cd)pyrene

25.727min (-0.028) 0.42ng/ul m > SJ.  
 12/27/2016

response 2558

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 23.90 | 0.00# |
| 277.00 | 24.50 | 29.09 |
| 0.00   | 0.00  | 0.00  |

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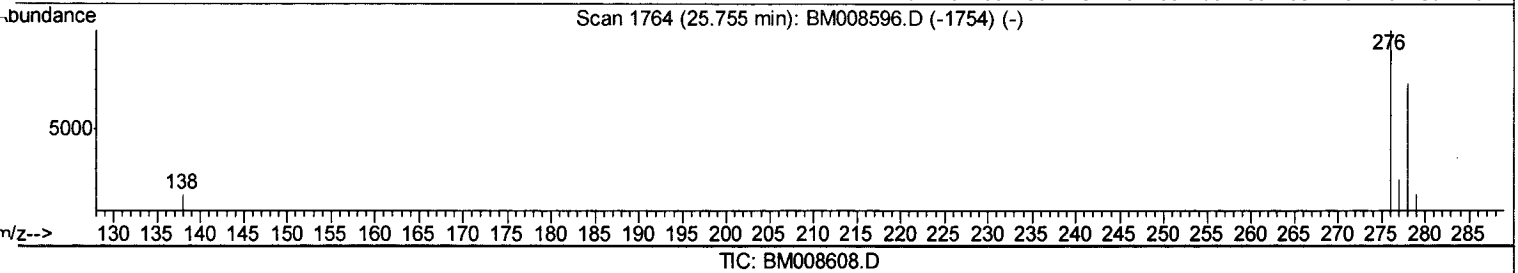
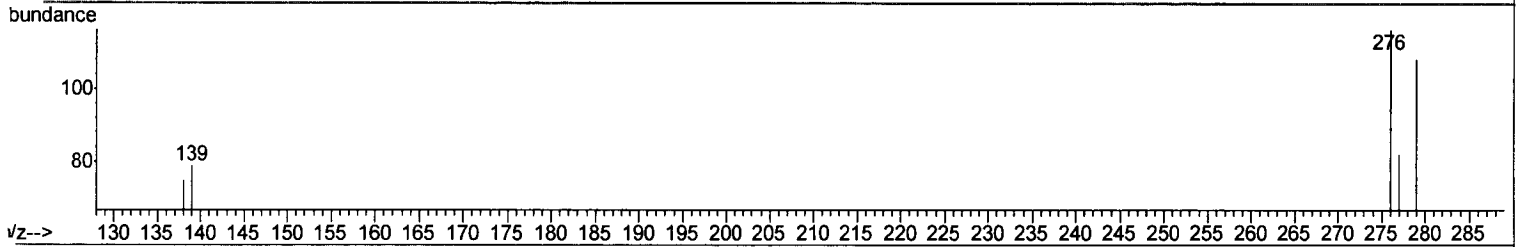
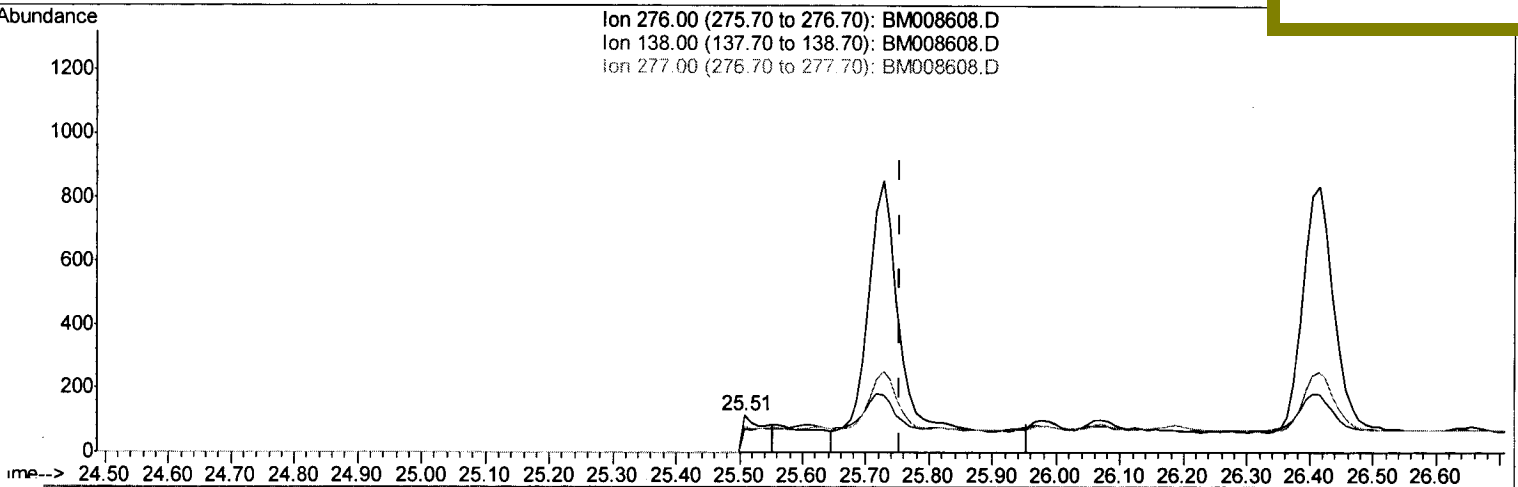
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
 Data File : BM008608.D  
 Acq On : 23 Dec 2016 22:42  
 Operator : UM/SJ  
 Sample : H6069-12  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA7J8

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

25.508min (-0.247) 0.11ng/ul

response 697

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 276.00 | 100   | 100     |
| 138.00 | 23.90 | 0.00#   |
| 277.00 | 24.50 | 106.74# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

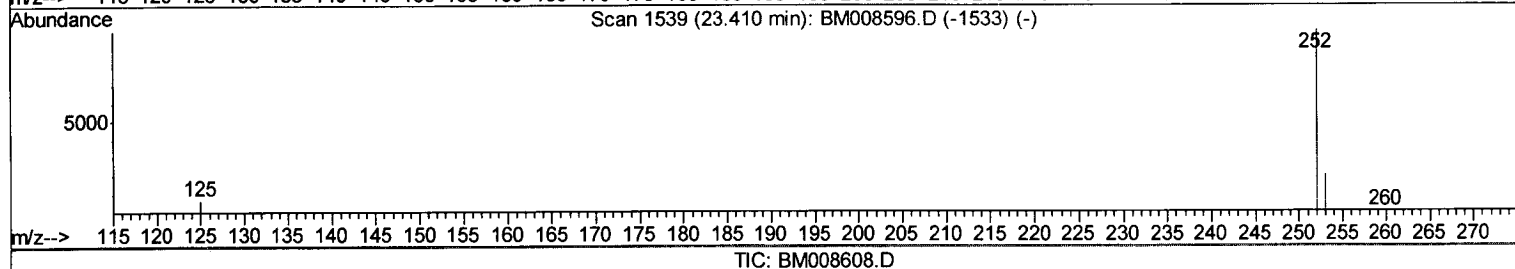
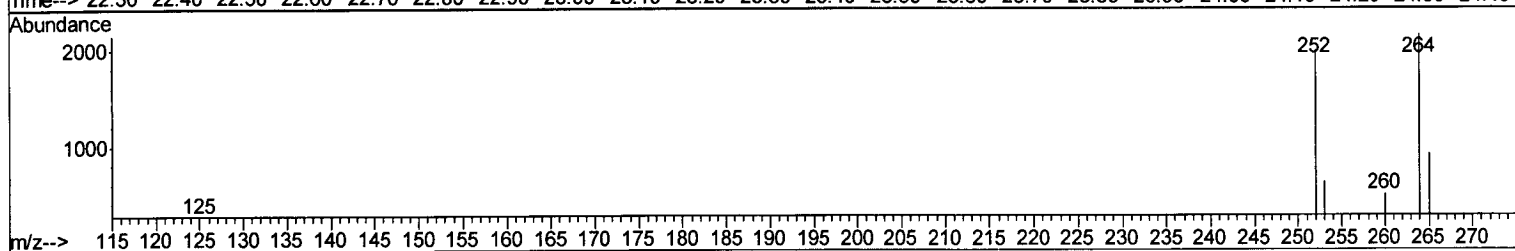
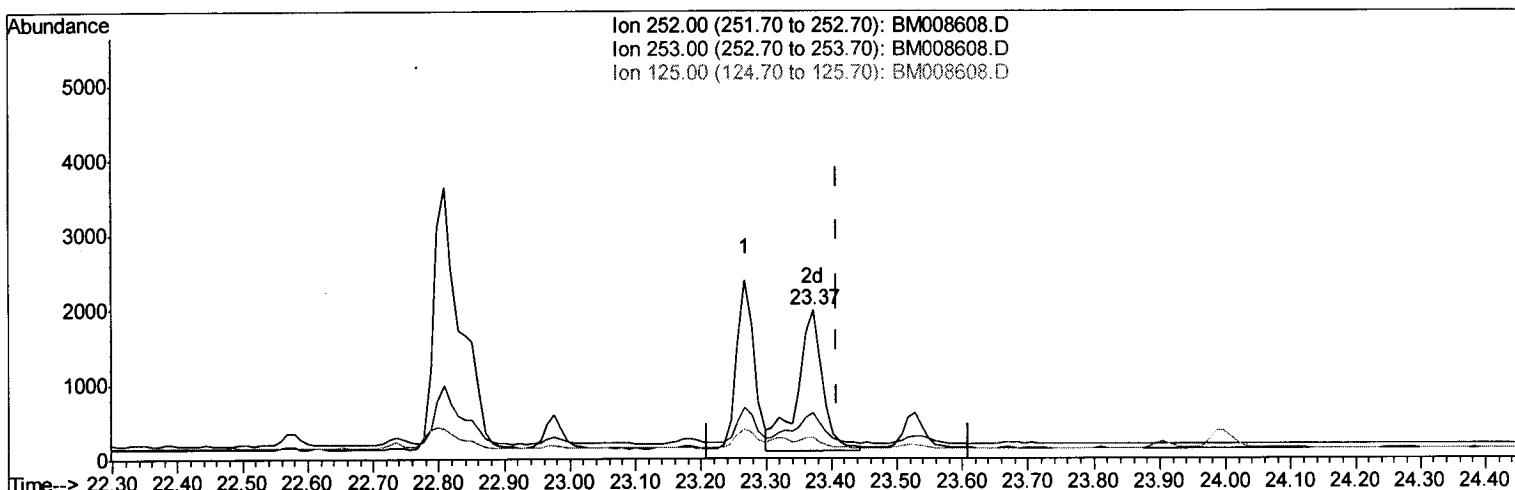
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
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 Acq On : 23 Dec 2016 22:42  
 Operator : UM/SJ  
 Sample : H6069-12  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DATJ8

Manual Integrations  
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(23) Benzo(a)pyrene (C)

23.371min (-0.038) 1.00ng/ul m

response 5119

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 12/27/2016

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 31.10  |
| 125.00 | 22.60 | 13.89# |
| 0.00   | 0.00  | 0.00   |

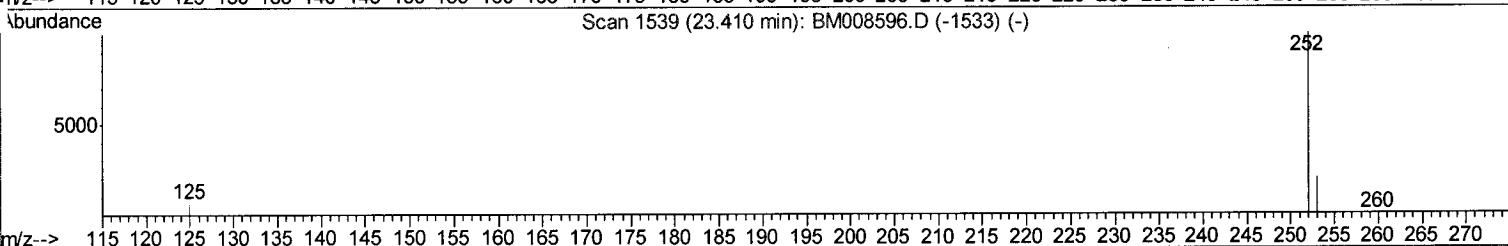
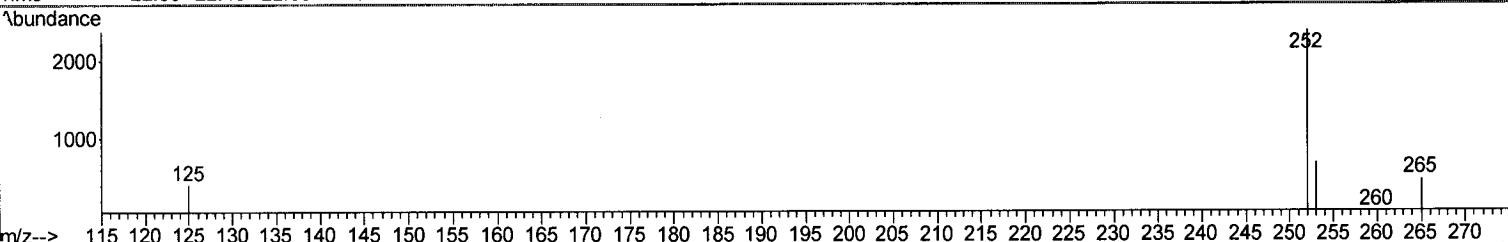
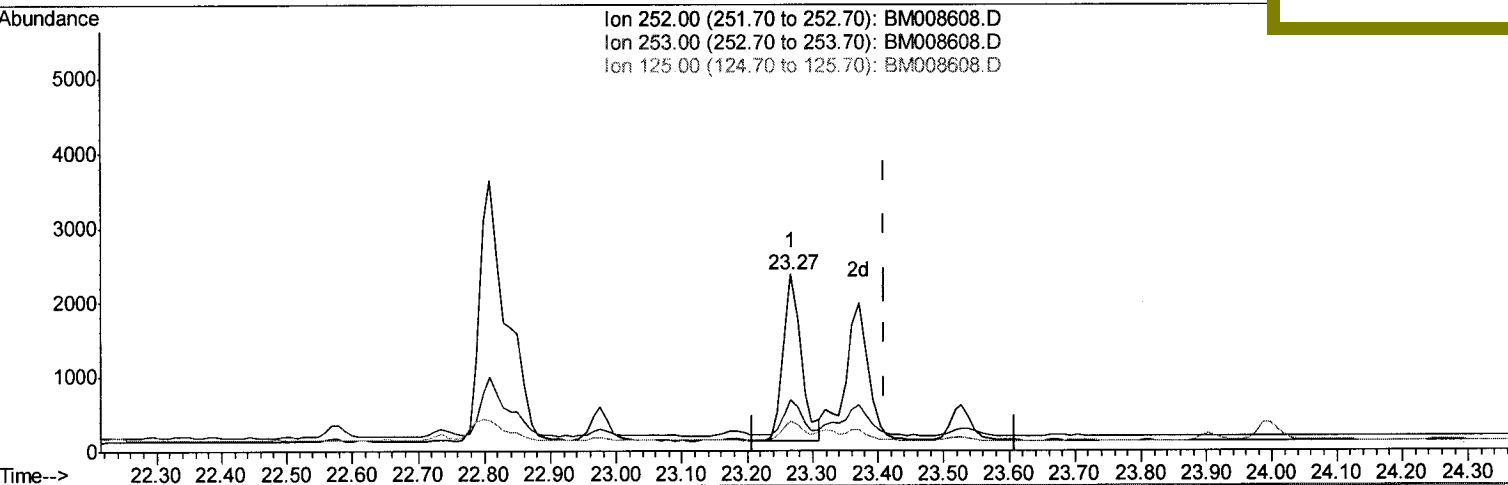
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
Data File : BM008608.D  
Acq On : 23 Dec 2016 22:42  
Operator : UM/SJ  
Sample : H6069-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA7J8

Manual Integrations  
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Response via : Initial Calibration



TIC: BM008608.D

(23) Benzo(a)pyrene (C)

23.267min (-0.142) 0.83ng/ul

response 4255

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 28.51  |
| 125.00 | 22.60 | 16.99# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

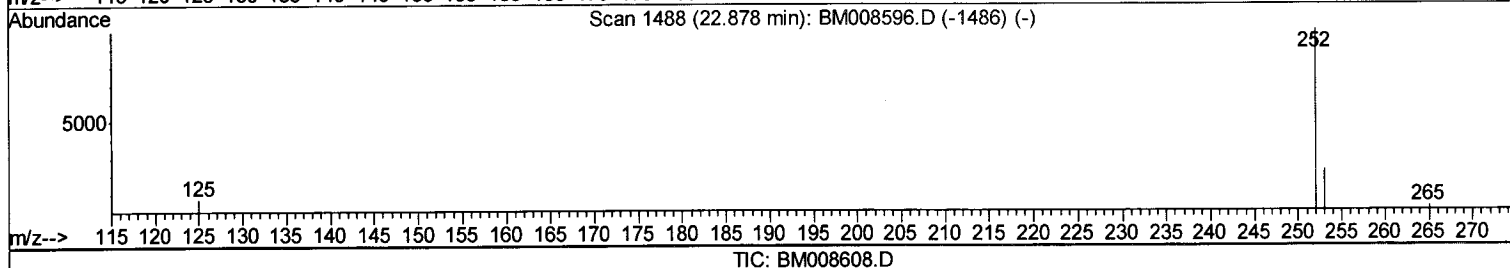
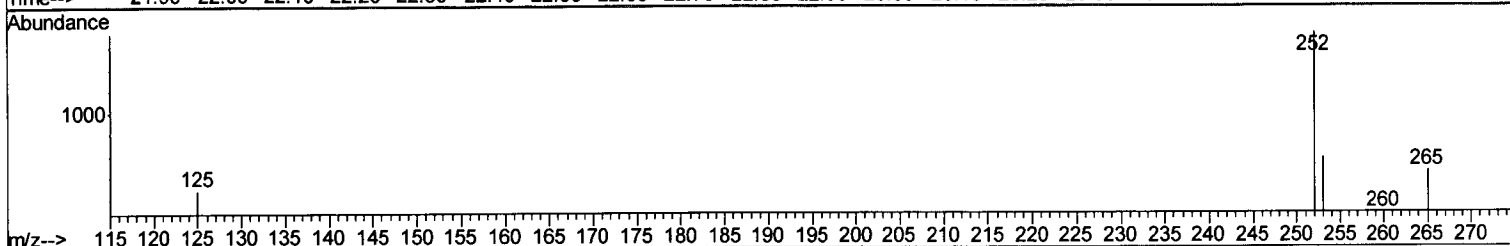
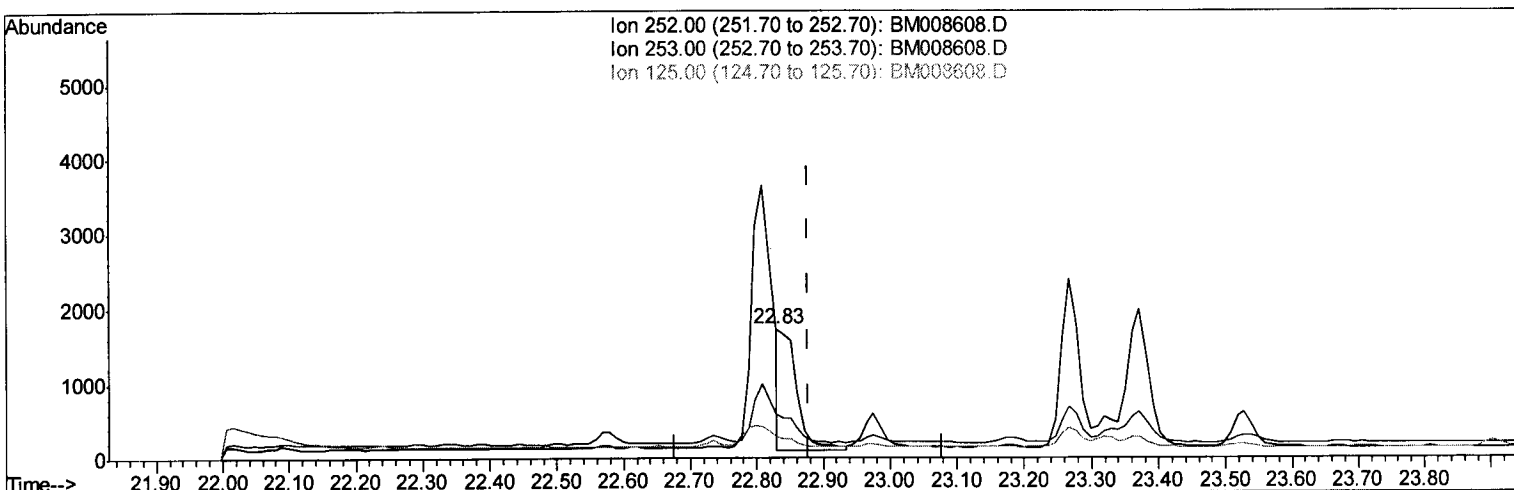
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Manual Integrations  
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(22) Benzo(k)fluoranthene

22.829min (-0.049) 0.53ng/ul m ) 50

response 2818

12/27/2016

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 30.60 | 33.43 |
| 125.00 | 17.10 | 16.22 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

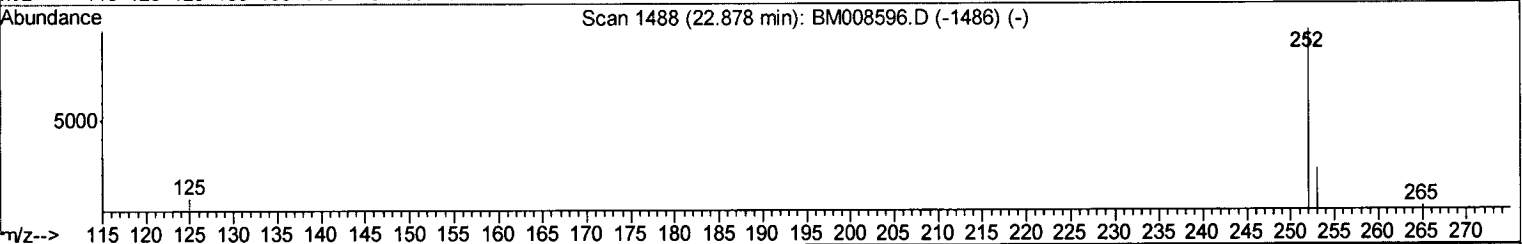
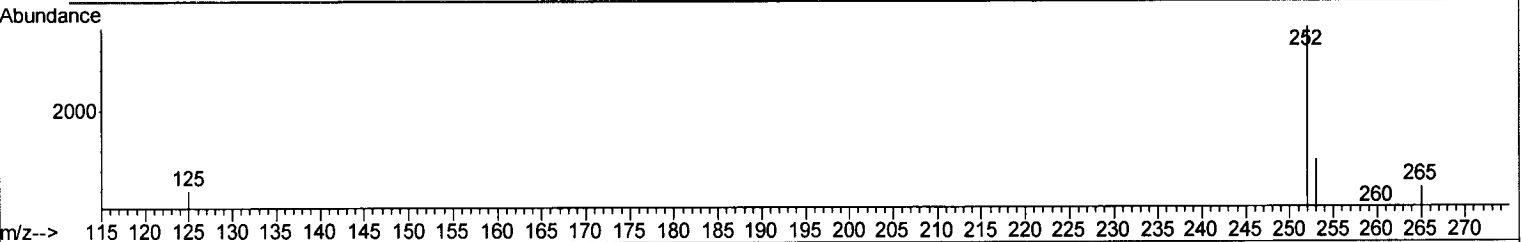
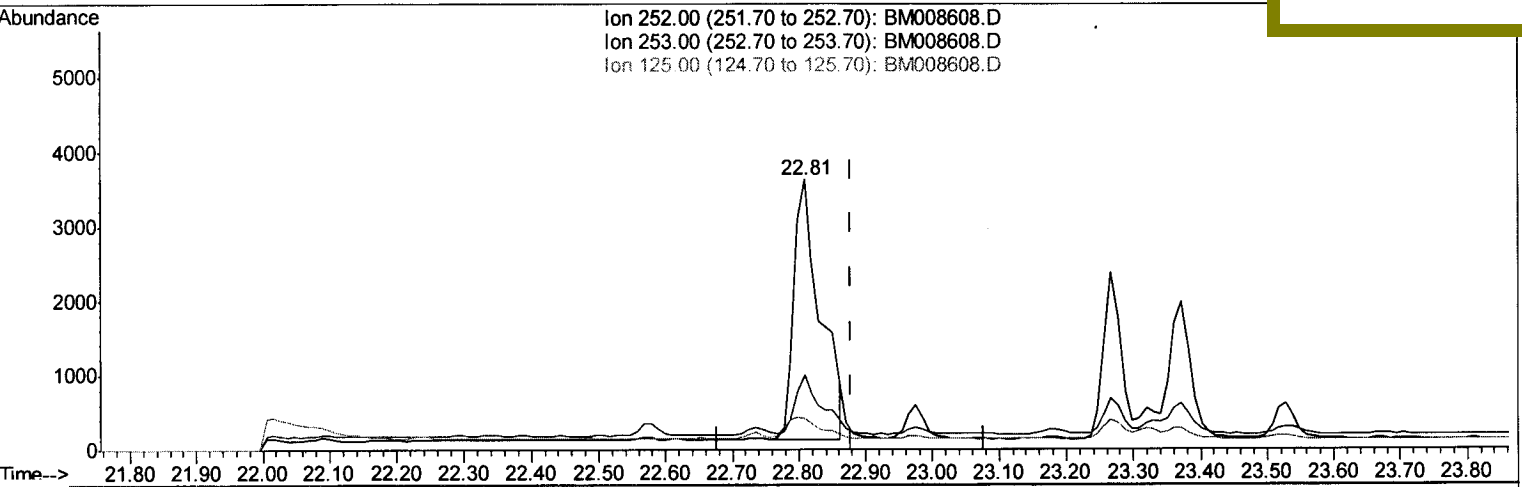
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(22) Benzo(k)fluoranthene

22.808min (-0.069) 1.79ng/ul

response 9612

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 27.23  |
| 125.00 | 17.10 | 11.50# |
| 0.00   | 0.00  | 0.00   |

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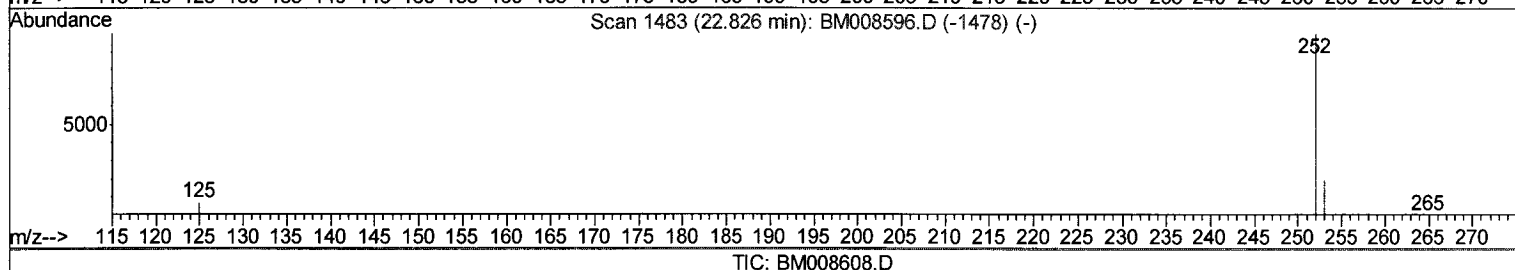
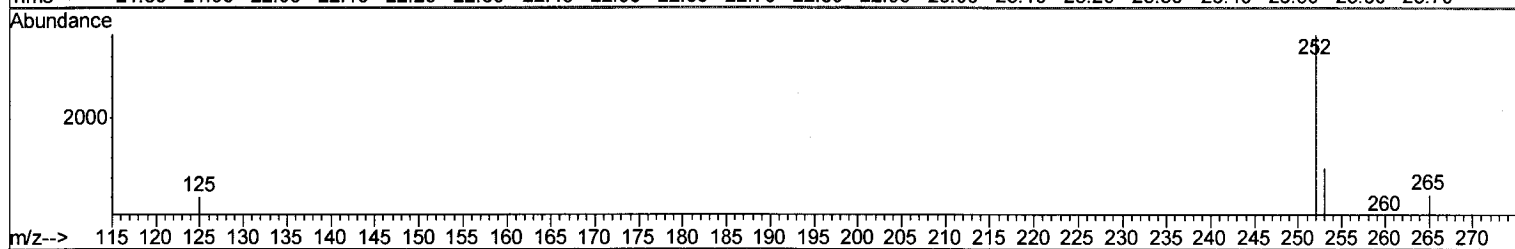
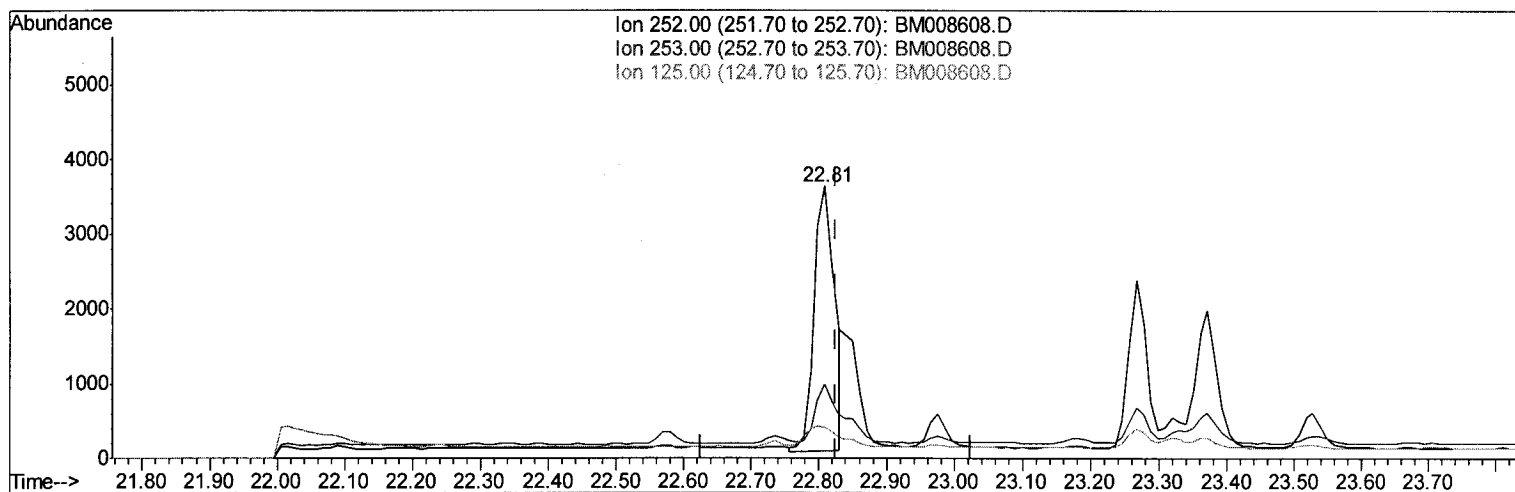
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(21) Benzo(b)fluoranthene

22.808min (-0.017) 1.36ng/ul m

response 7497

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 27.23 |
| 125.00 | 17.50 | 11.50 |
| 0.00   | 0.00  | 0.00  |

SJ  
 12/27/2016

## Quantitation Report (Qedit)

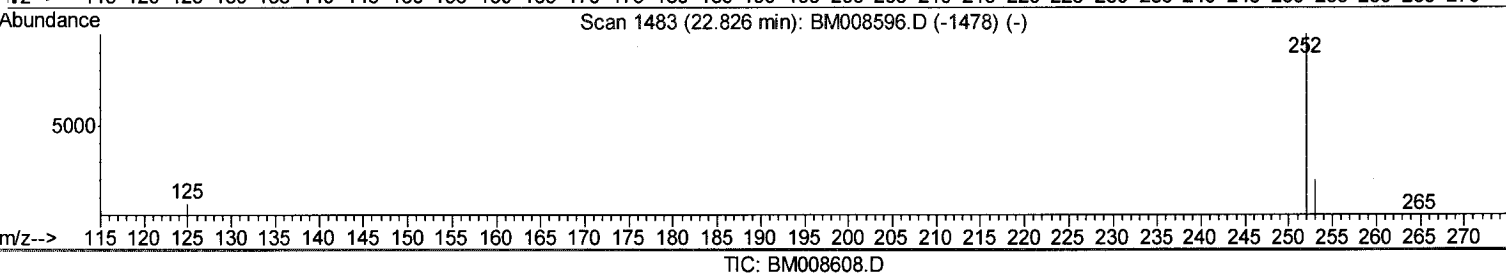
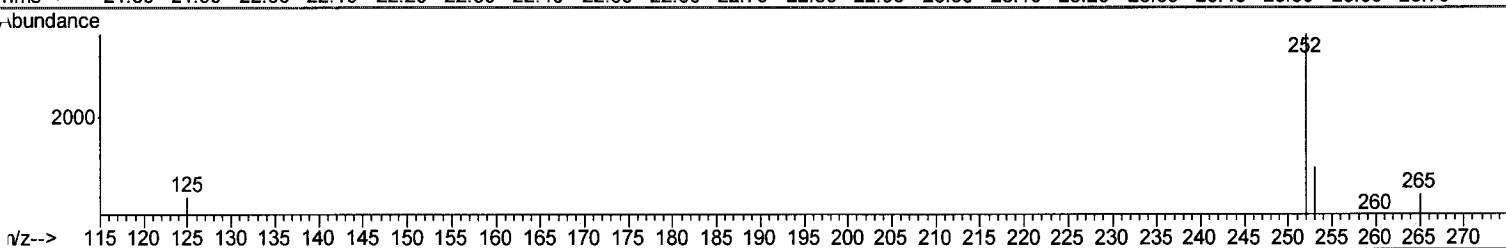
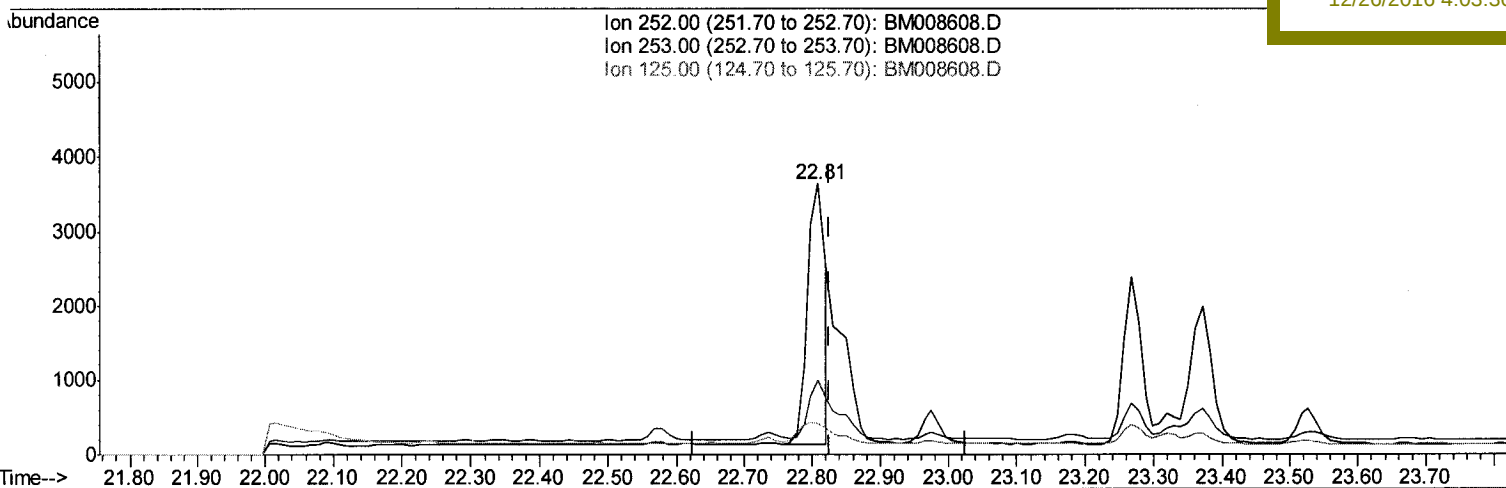
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(21) Benzo(b)fluoranthene

22.808min (-0.017) 1.15ng/ul

response 6308

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 27.23 |
| 125.00 | 17.50 | 11.50 |
| 0.00   | 0.00  | 0.00  |

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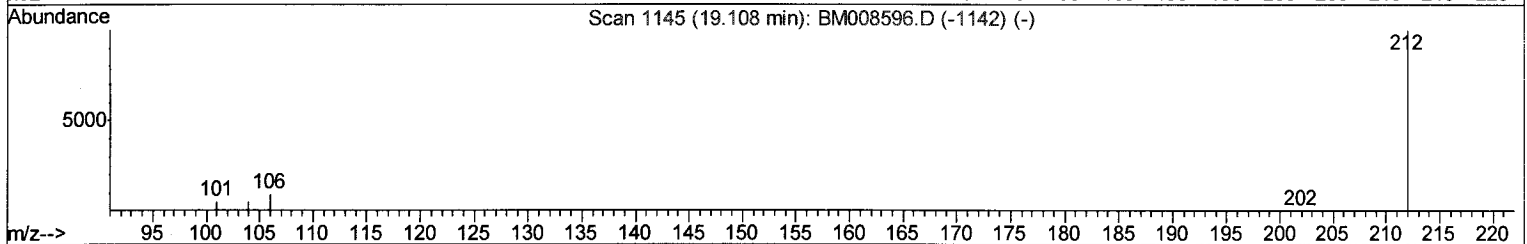
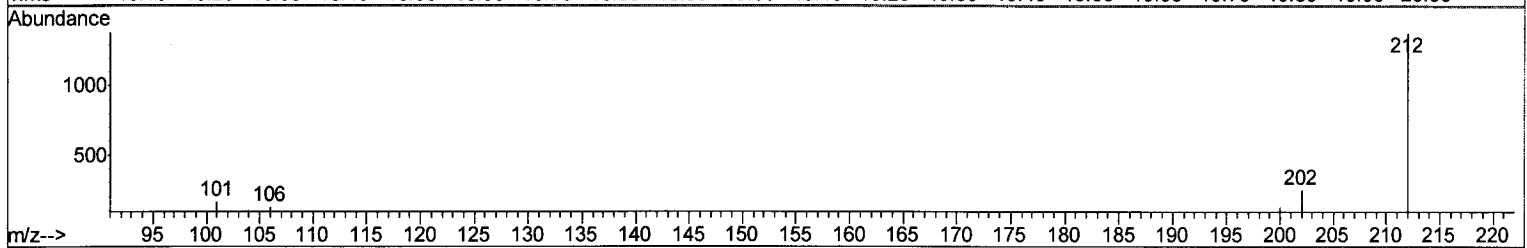
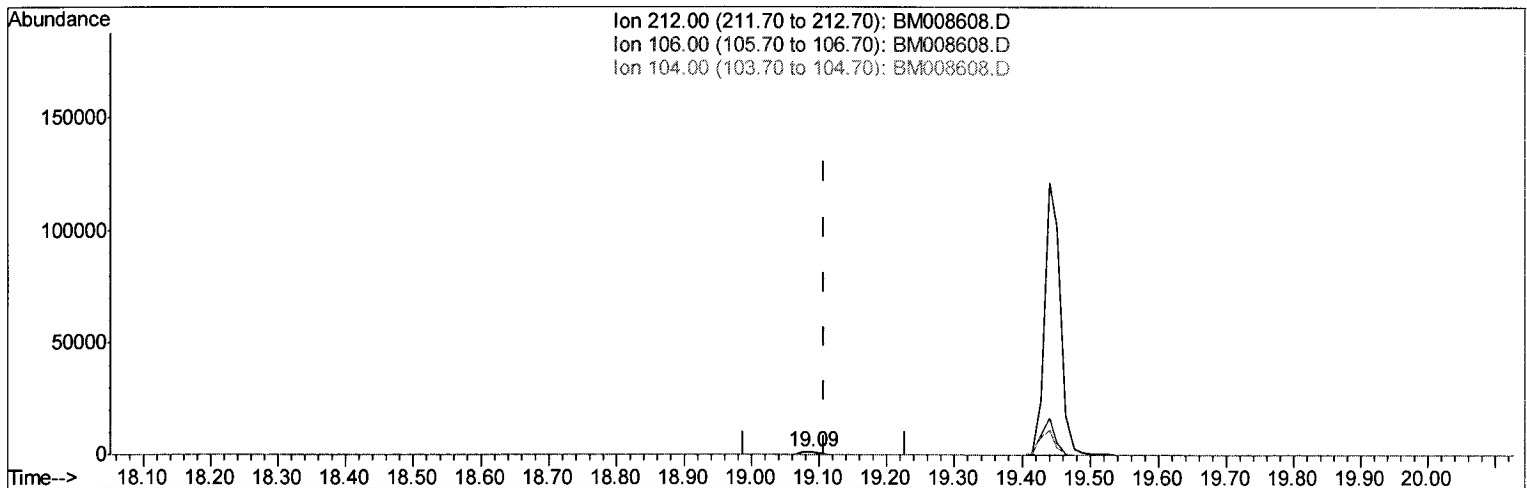
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TIC: BM008608.D

(14) Fluoranthene-d10 (SURR)

19.089min (-0.019) 0.45ng/ul m

response 2303

> SJ  
 12/27/2016

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 18.30 | 8.21# |
| 104.00 | 15.60 | 4.43# |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

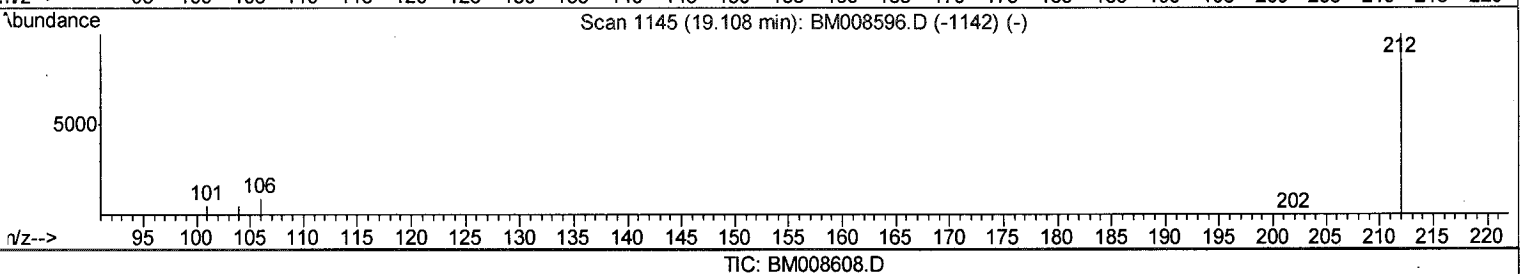
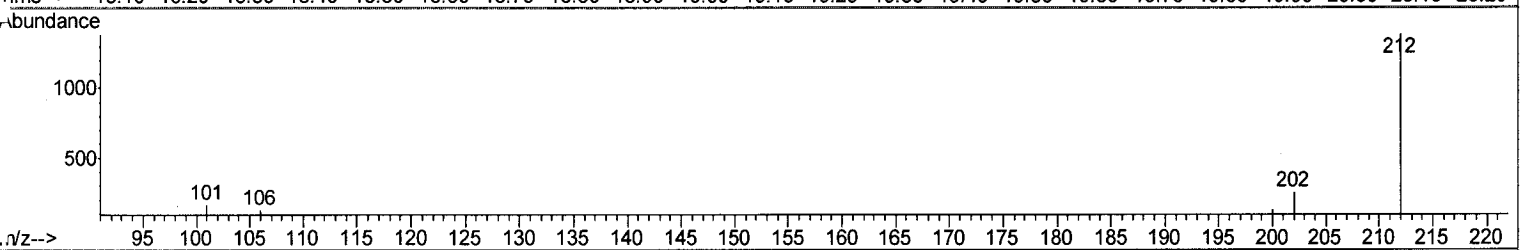
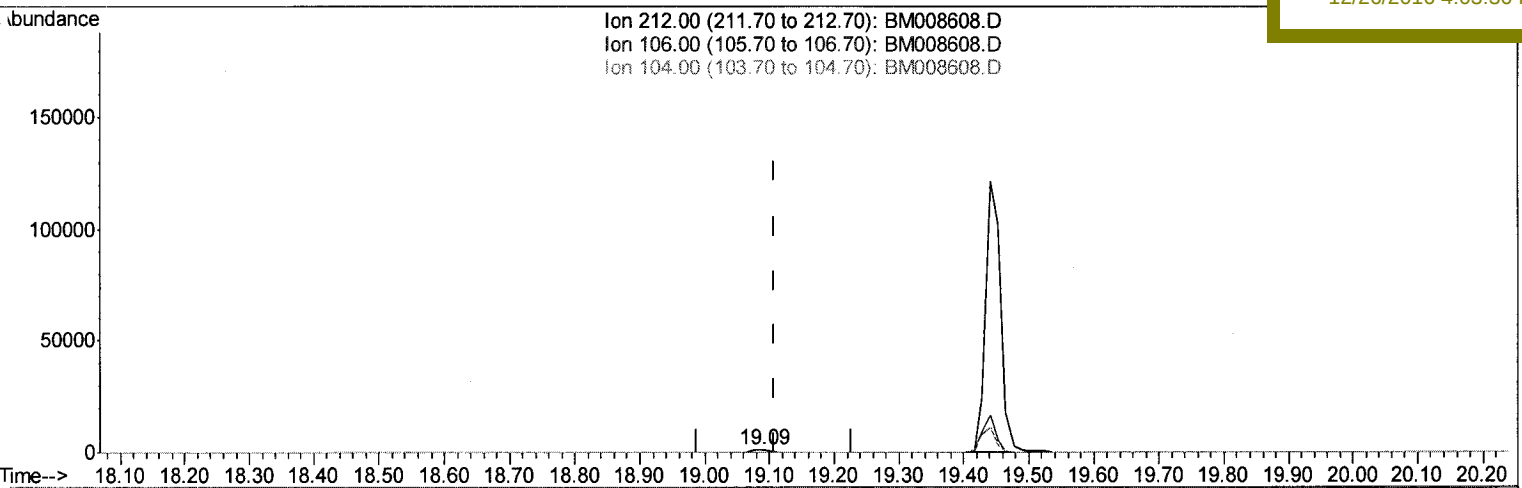
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
Data File : BM008608.D  
Acq On : 23 Dec 2016 22:42  
Operator : UM/SJ  
Sample : H6069-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 24 00:29:06 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 23 23:37:39 2016  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
DA7J8

Manual Integrations  
APPROVED

sohil  
12/26/2016 4:03:36 PM



TIC: BM008608.D

(14) Fluoranthene-d10 (SURR)

19.089min (-0.019) 0.40ng/ul

response 2066

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 18.30 | 9.15# |
| 104.00 | 15.60 | 4.94# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

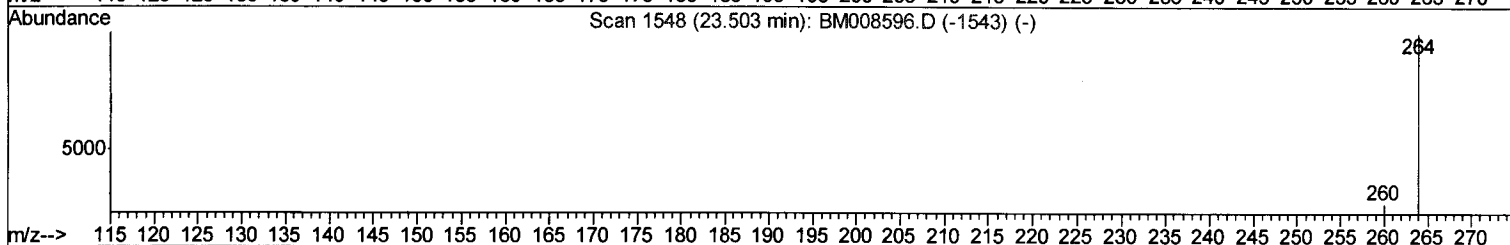
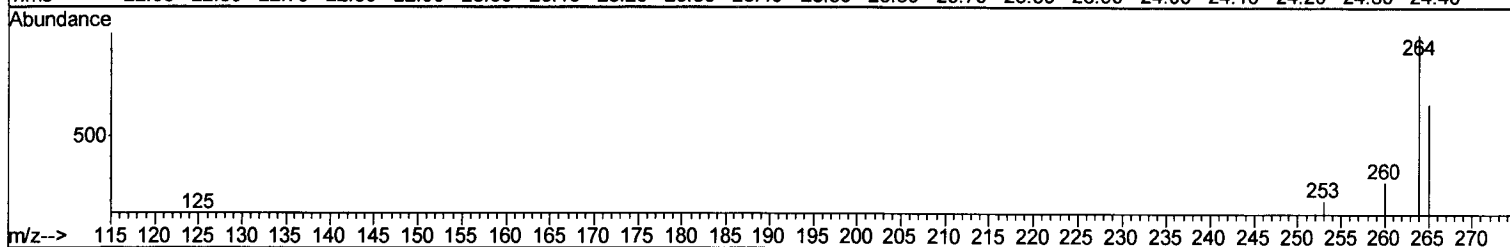
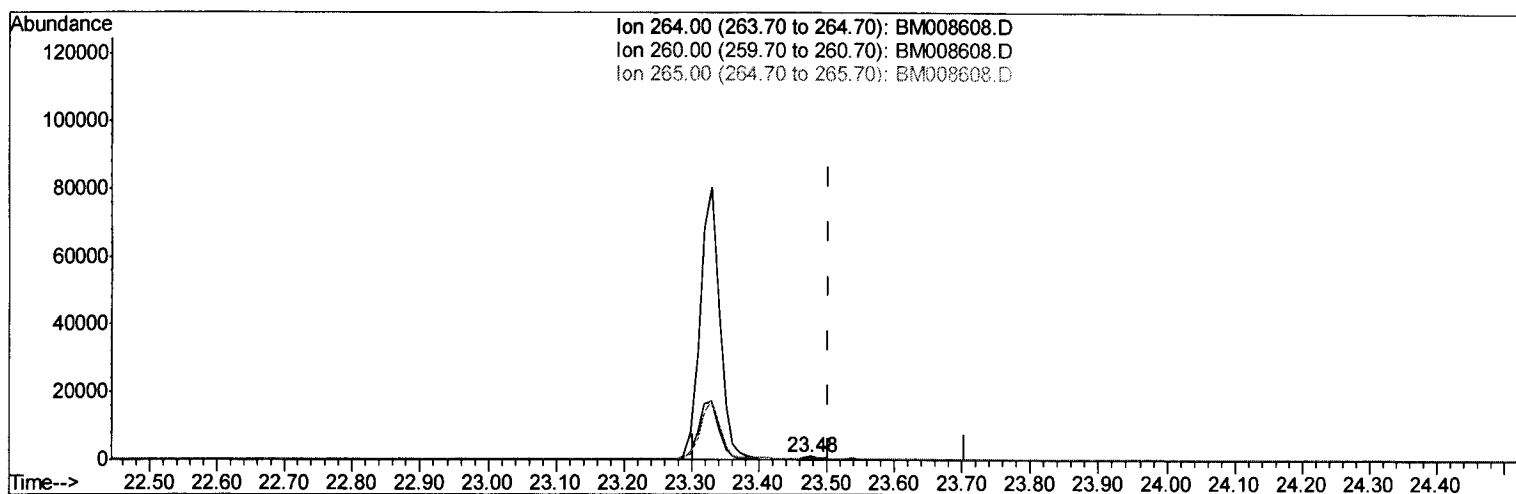
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
 Data File : BM008608.D  
 Acq On : 23 Dec 2016 22:42  
 Operator : UM/SJ  
 Sample : H6069-12  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA7J8

Manual Integrations  
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Quant Time: Dec 23 23:43:15 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 23 23:37:39 2016  
 Response via : Initial Calibration



TIC: BM008608.D

(20) Perylene-d12 (I)

23.476min (-0.028) 0.40ng/ul m

response 1396

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 29.66  |
| 265.00 | 103.50 | 67.46# |
| 0.00   | 0.00   | 0.00   |

0.5  
 12/27/2016

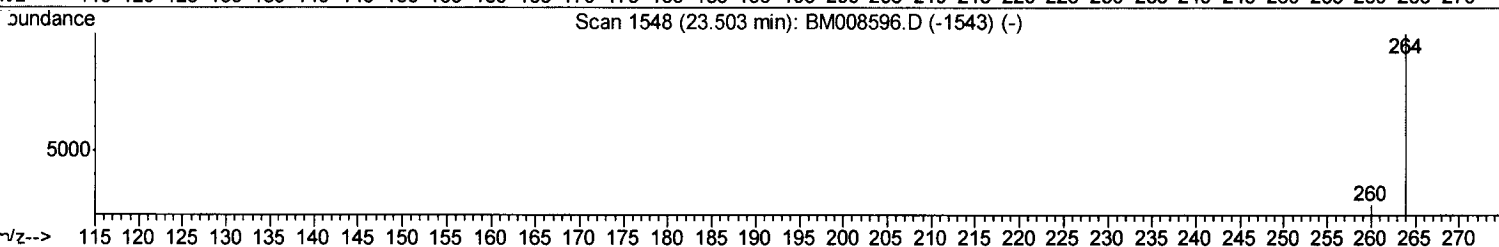
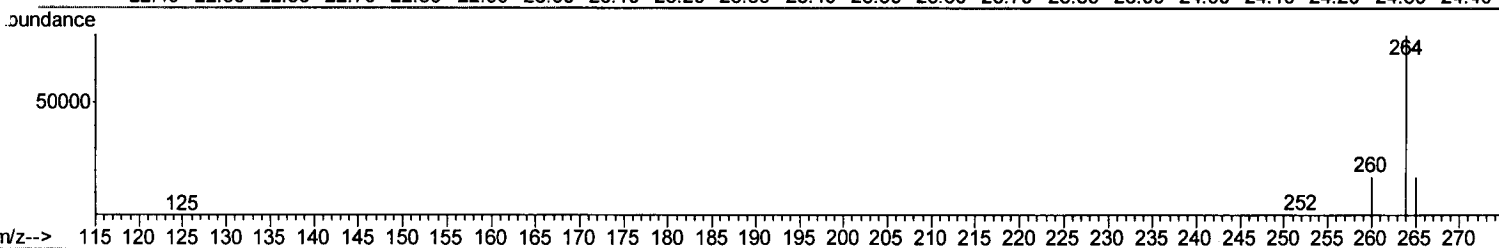
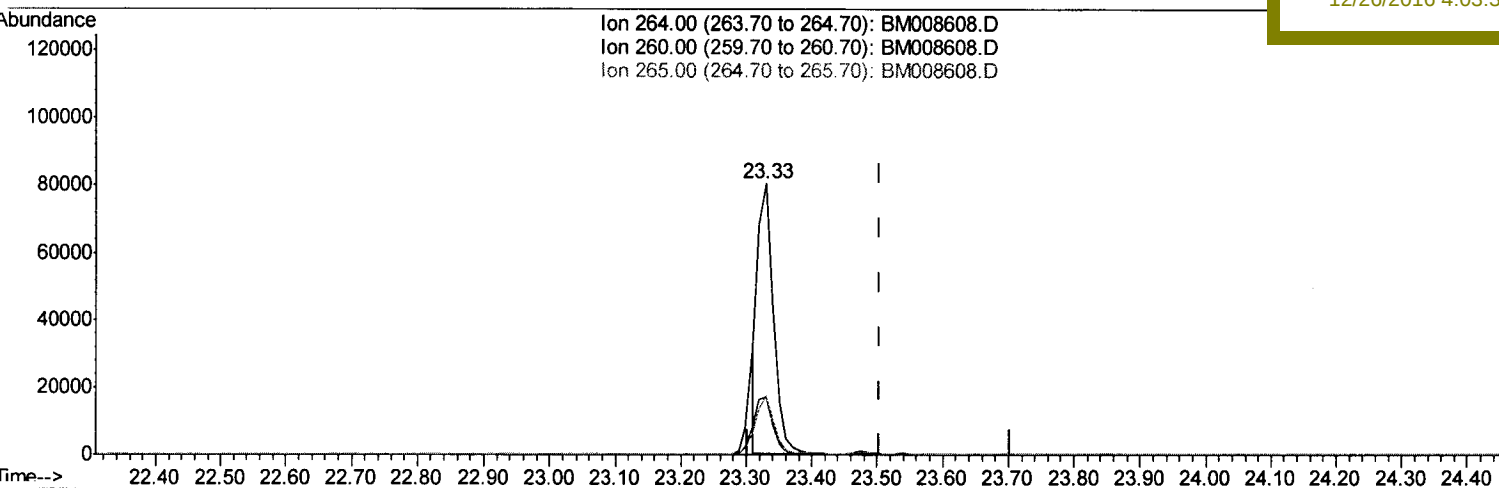
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
Data File : BM008608.D  
Acq On : 23 Dec 2016 22:42  
Operator : UM/SJ  
Sample : H6069-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA7J8

Manual Integrations  
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Quant Time: Dec 23 23:43:15 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 23 23:37:39 2016  
Response via : Initial Calibration



TIC: BM008608.D

(20) Perylene-d12 (I)

23.330min (-0.174) 0.40ng/ul

response 135024

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 21.53# |
| 265.00 | 103.50 | 21.66# |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

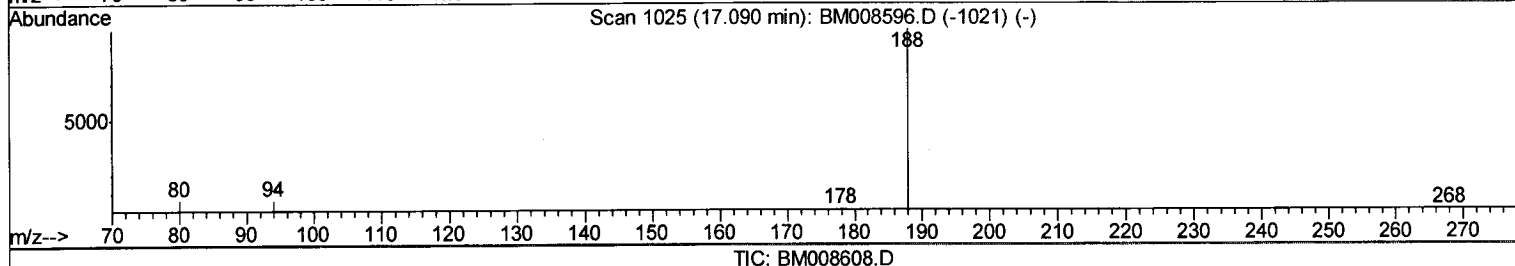
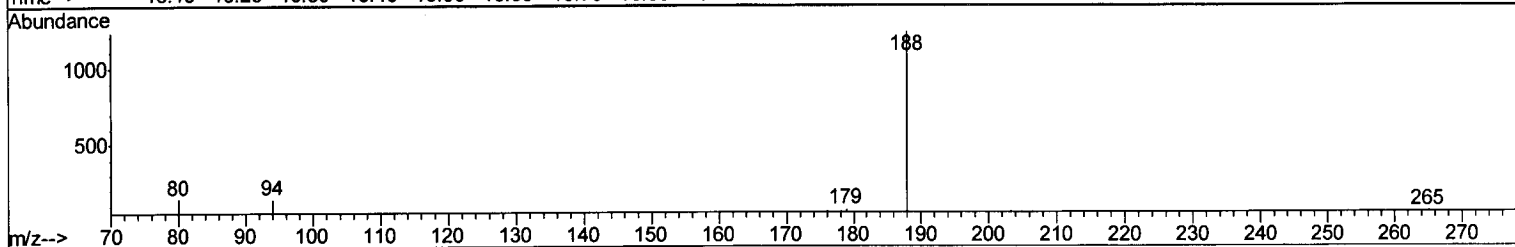
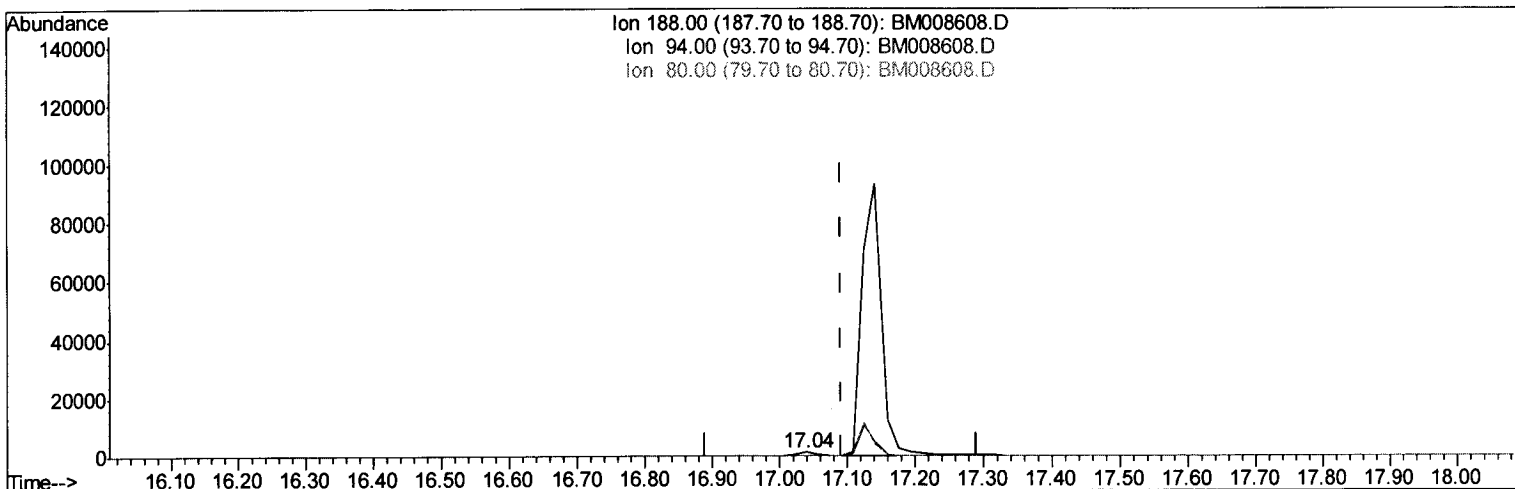
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
 Data File : BM008608.D  
 Acq On : 23 Dec 2016 22:42  
 Operator : UM/SJ  
 Sample : H6069-12  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA7J8

Manual Integrations  
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Quant Time: Dec 23 23:43:15 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 23 23:37:39 2016  
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.039min (-0.051) 0.40ng/ul m ) 3.5

response 1864

12/27/2016

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 11.19 |
| 80.00  | 11.80 | 11.60 |
| 0.00   | 0.00  | 0.00  |

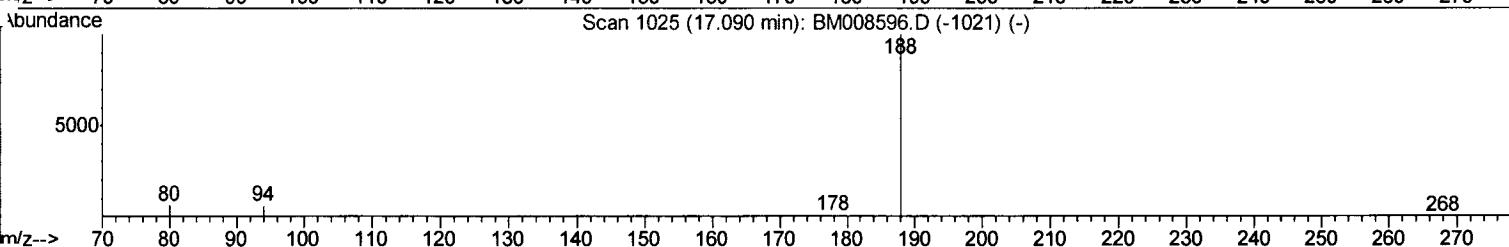
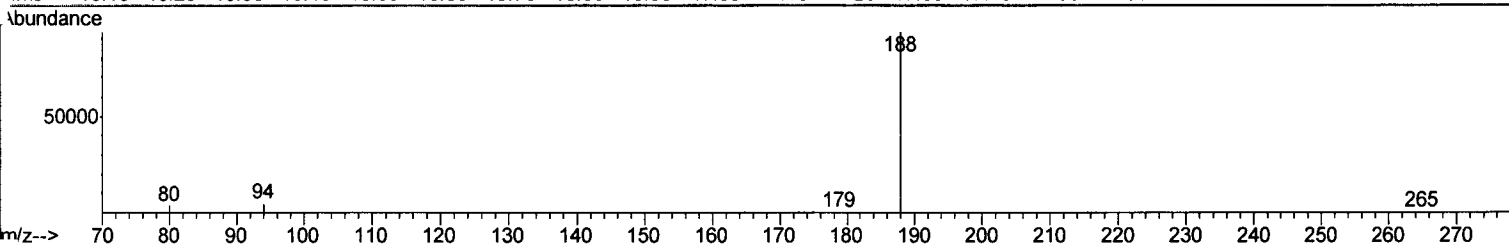
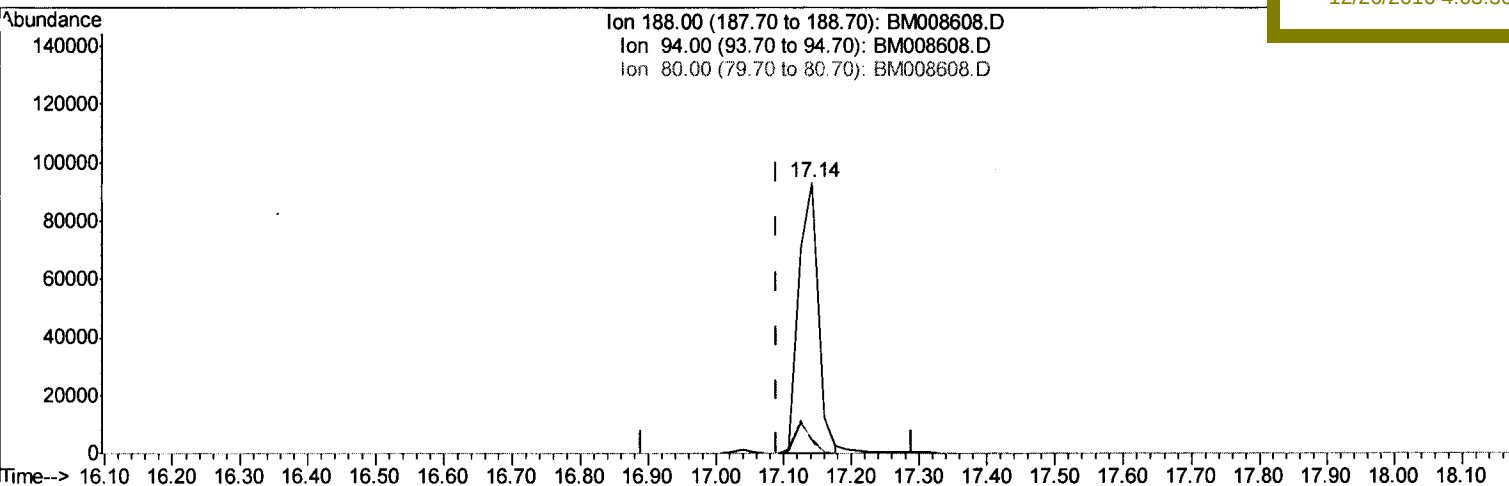
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
Data File : BM008608.D  
Acq On : 23 Dec 2016 22:42  
Operator : UM/SJ  
Sample : H6069-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA7J8

Quant Time: Dec 23 23:43:15 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 23 23:37:39 2016  
Response via : Initial Calibration

Manual Integrations  
APPROVED

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12/26/2016 4:03:36 PM



TIC: BM008608.D

(10) Phenanthrene-d10 (I)

17.142min (+0.052) 0.40ng/ul

response 184977

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 4.89# |
| 80.00  | 11.80 | 4.12# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
 Data File : BM008608.D  
 Acq On : 23 Dec 2016 22:42  
 Operator : UM/SJ  
 Sample : H6069-12  
 Inj :  
 LS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 Client Sampled :  
 DATJ8

Manual Integrations  
 APPROVED

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 12/26/2016 4:03:36 PM

Quant Time: Dec 24 00:31:11 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Fri Dec 23 23:37:39 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.65  | 152  | 449      | 0.40 | ng/ul  | -0.09    |
| 2) Naphthalene-d8           | 10.42 | 136  | 1525     | 0.40 | ng/ul  | -0.08    |
| 6) Acenaphthene-d10         | 14.28 | 164  | 963      | 0.40 | ng/ul  | -0.03    |
| 10) Phenanthrene-d10        | 17.04 | 188  | 1864m    | 0.40 | ng/ul  | -0.05    |
| 16) Chrysene-d12            | 21.26 | 240  | 1645     | 0.40 | ng/ul  | -0.02    |
| 20) Perylene-d12            | 23.48 | 264  | 1396m    | 0.40 | ng/ul  | -0.03    |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.05 | 152  | 982      | 0.42 | ng/ul  | -0.05    |
| 14) Fluoranthene-d10        | 19.09 | 212  | 2303m    | 0.45 | ng/ul  | -0.02    |
| Target Compounds            |       |      |          |      |        |          |
|                             |       |      |          |      | Qvalue |          |
| 5) 2-Methylnaphthalene      | 12.12 | 142  | 184      | 0.06 | ng/ul  | 98       |
| 7) Acenaphthylene           | 14.01 | 152  | 311      | 0.07 | ng/ul# | 59       |
| 12) Phenanthrene            | 17.07 | 178  | 1365     | 0.24 | ng/ul  | 95       |
| 13) Anthracene              | 17.18 | 178  | 857      | 0.16 | ng/ul# | 78       |
| 15) Fluoranthene            | 19.11 | 202  | 7116     | 1.02 | ng/ul  | 95       |
| 17) Pyrene                  | 19.48 | 202  | 7224     | 1.14 | ng/ul  | 97       |
| 18) Benzo(a)anthracene      | 21.23 | 228  | 5389     | 1.00 | ng/ul  | 98       |
| 19) Chrysene                | 21.29 | 228  | 5325     | 0.90 | ng/ul  | 95       |
| 21) Benzo(b)fluoranthene    | 22.81 | 252  | 7497m    | 1.36 | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.83 | 252  | 2818m    | 0.53 | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.37 | 252  | 5119m    | 1.00 | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 25.73 | 276  | 2558m    | 0.42 | ng/ul  |          |
| 25) Dibenzo(a,h)anthracene  | 25.72 | 278  | 752m     | 0.15 | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 26.42 | 276  | 2750m    | 0.53 | ng/ul  |          |

SO  
 12/27/2016

S.S.  
 12/27/2016

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

# Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122316\  
 Data File : BM008608.D  
 Acq On : 23 Dec 2016 22:42  
 Operator : UM/SJ  
 Sample : H6069-12  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA7J8

Manual Integrations  
 APPROVED

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 12/26/2016 4:03:36 PM

Quant Time: Dec 24 00:31:11 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
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