

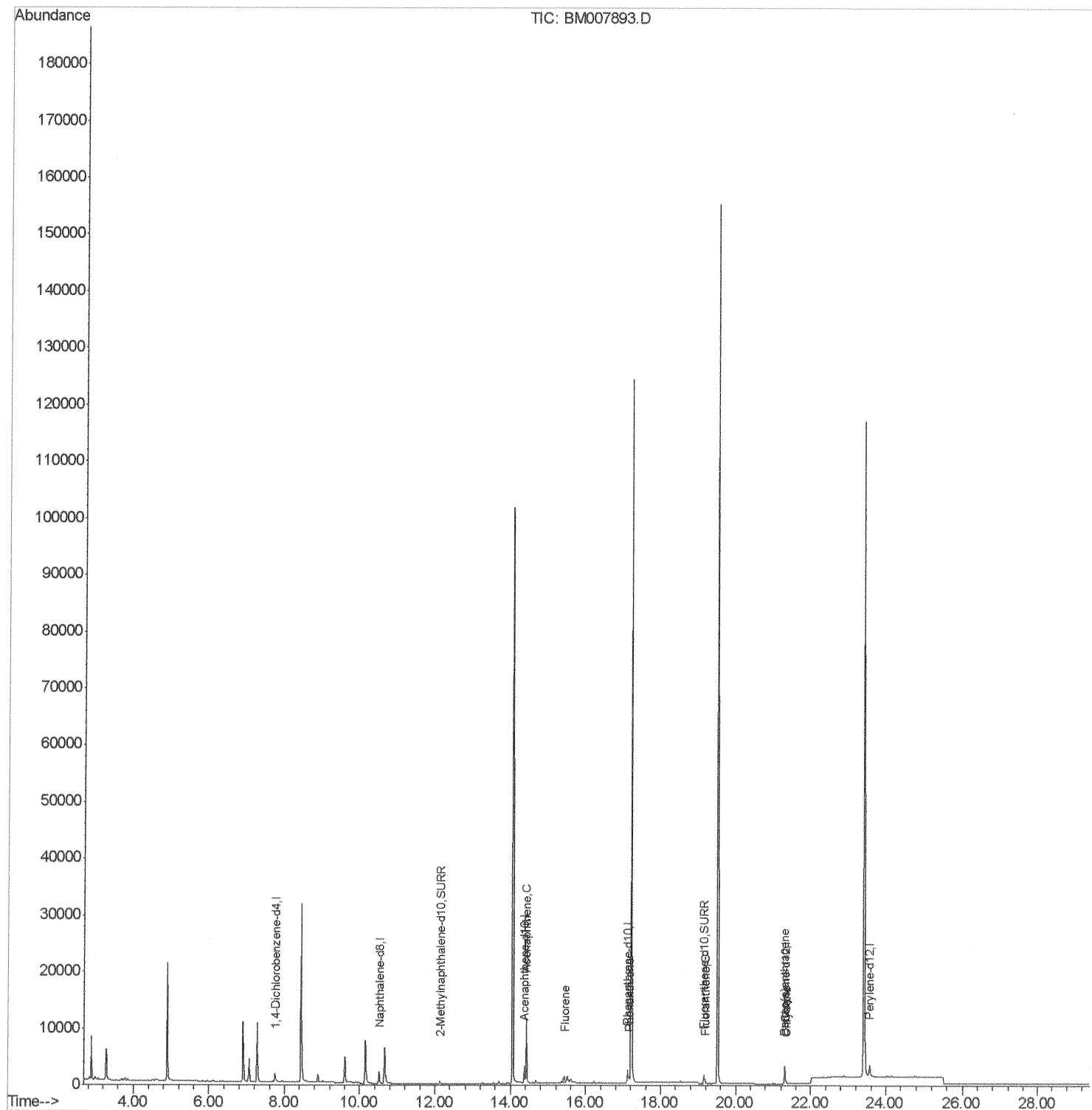
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM111516\  
Data File : BM007893.D  
Acq On : 15 Nov 2016 15:25  
Operator : UM/SJ  
Sample : H5612-13  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F2H13

Manual Integrations  
APPROVED

Umangi  
11/16/2016 6:01:12 PM

Quant Time: Nov 16 07:38:44 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM102516.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 16 01:19:46 2016  
Response via : Initial Calibration



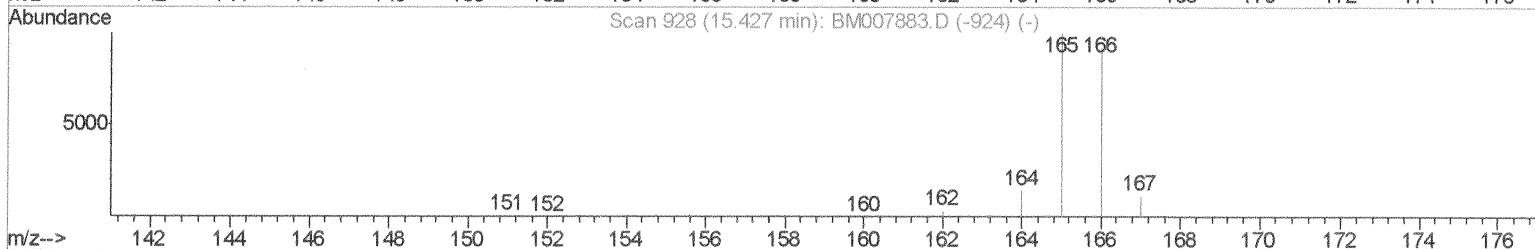
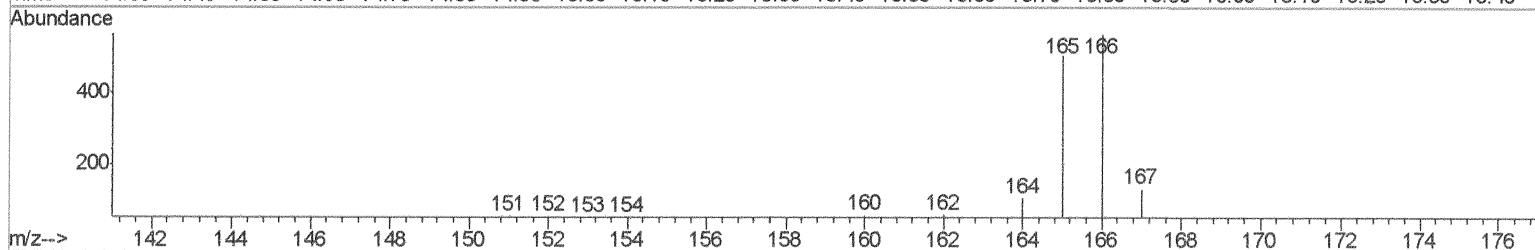
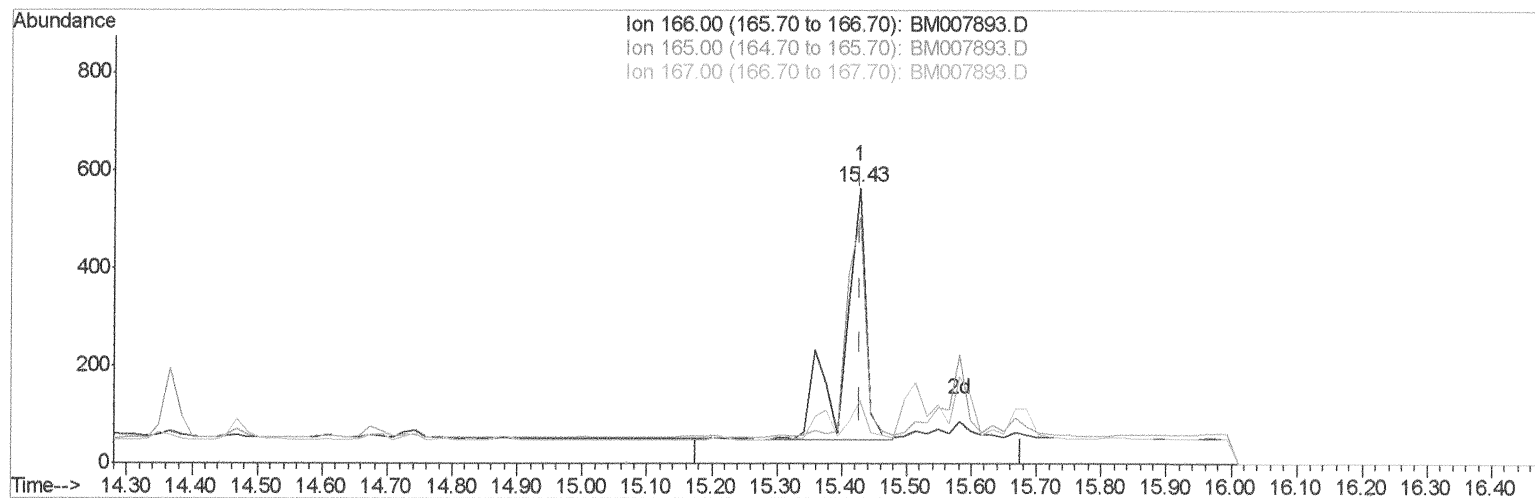
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TIC: BM007893.D

(9) Fluorene

15.427min (+0.000) 0.18ng/ul

response 1216

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 166.00 | 100   | 100    |
| 165.00 | 91.80 | 89.36  |
| 167.00 | 18.30 | 23.05# |
| 0.00   | 0.00  | 0.00   |

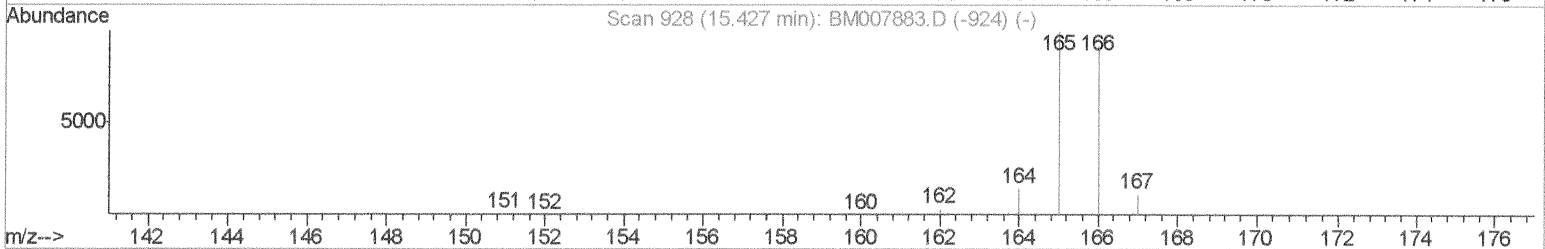
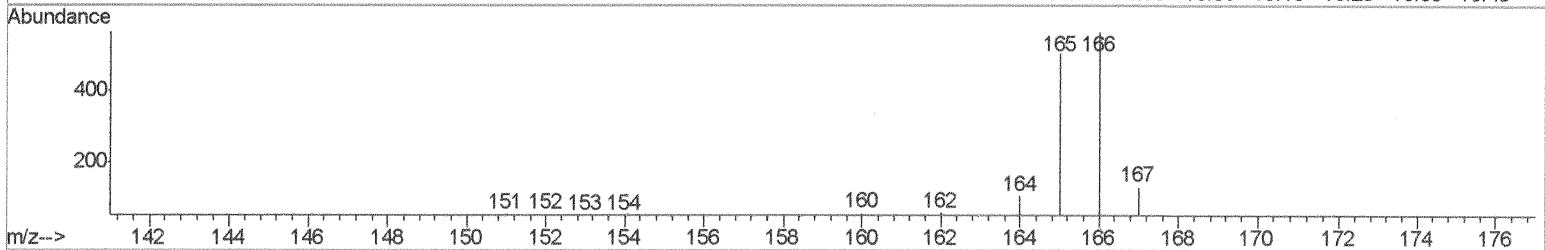
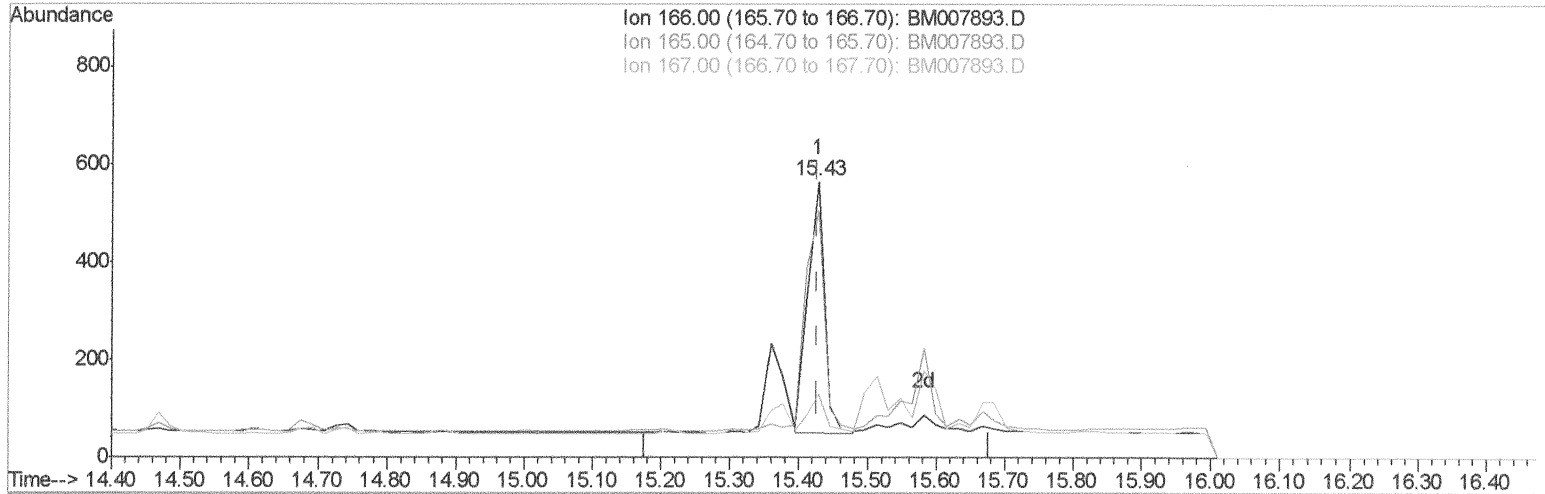
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Instrument :  
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Manual Integrations  
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TIC: BM007893.D

(9) Fluorene

15.427min (+0.000) 0.13ng/ul m

SJ 11/16/16

response 879

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 166.00 | 100   | 100    |
| 165.00 | 91.80 | 89.36  |
| 167.00 | 18.30 | 23.05# |
| 0.00   | 0.00  | 0.00   |

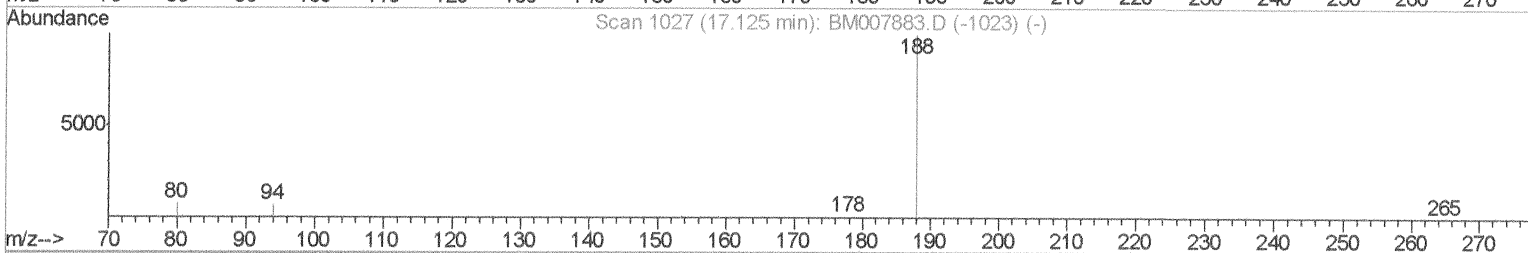
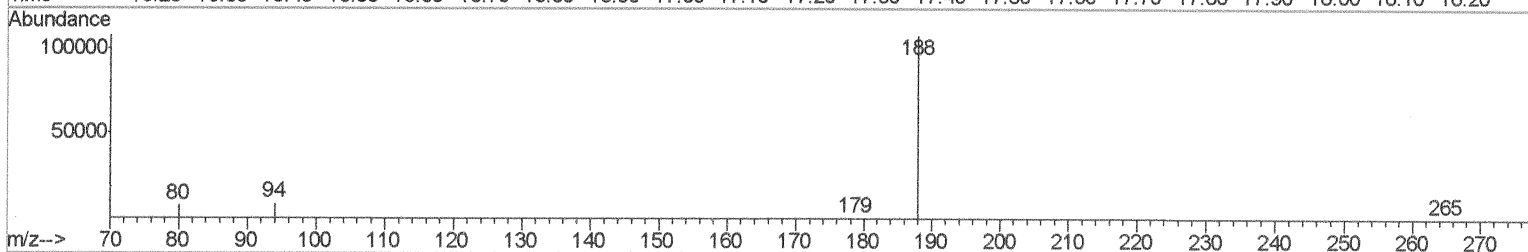
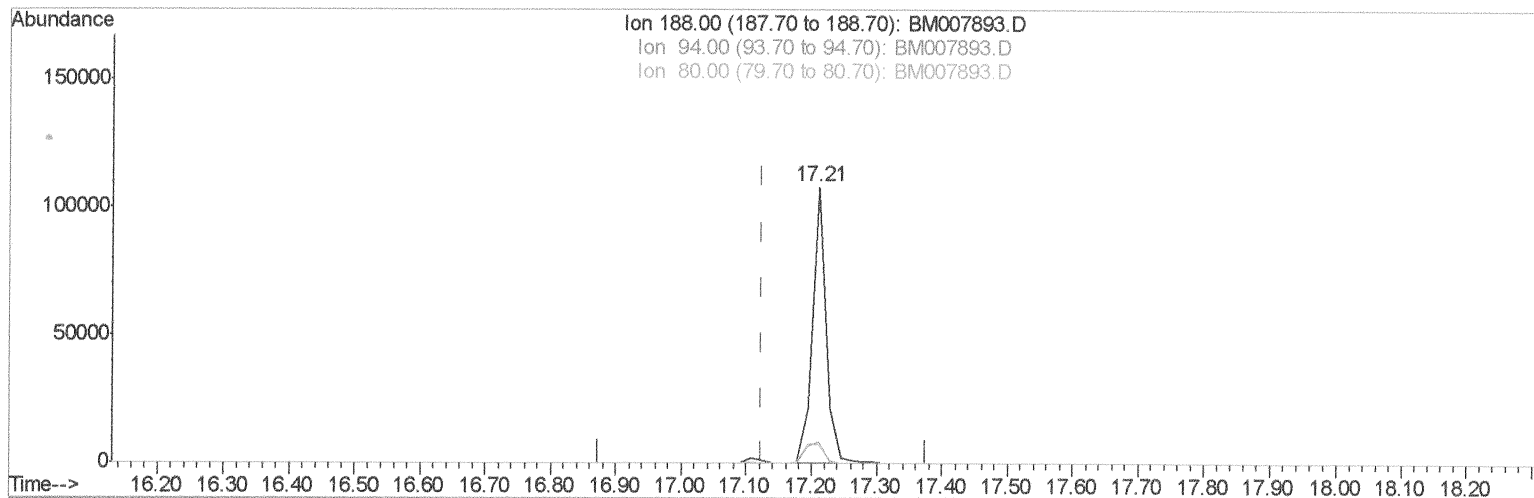
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TIC: BM007893.D

(10) Phenanthrene-d10 (I)

17.211min (+0.086) 0.40ng/ul

response 157630

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 7.88# |
| 80.00  | 11.80 | 6.89# |
| 0.00   | 0.00  | 0.00  |

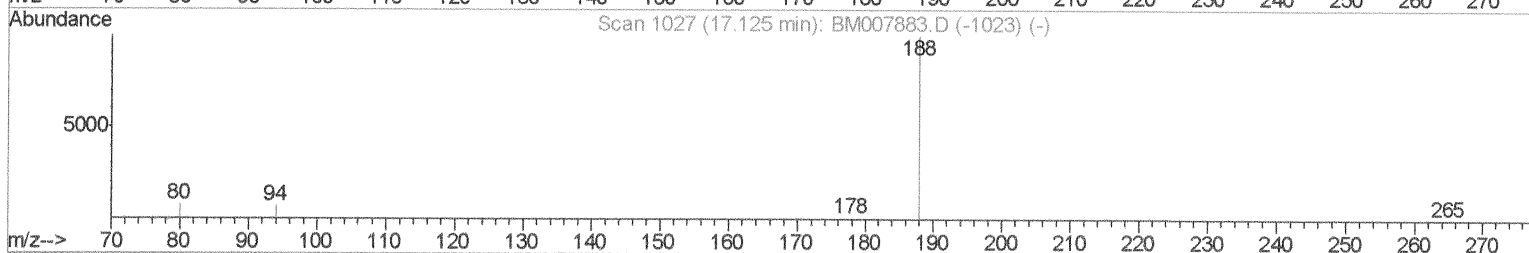
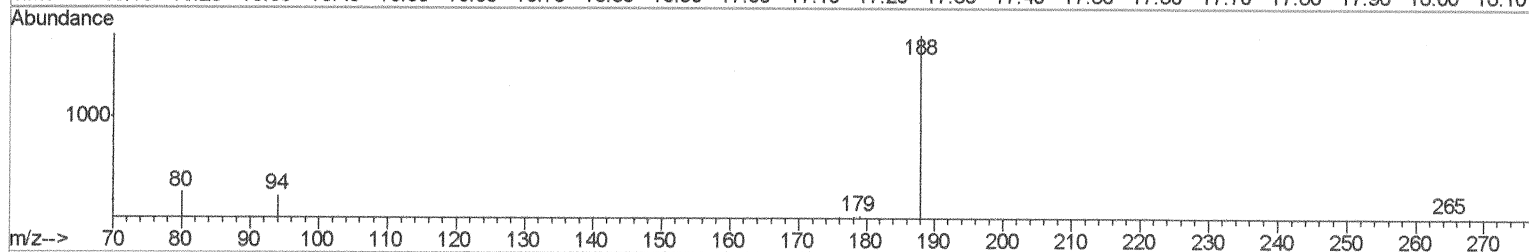
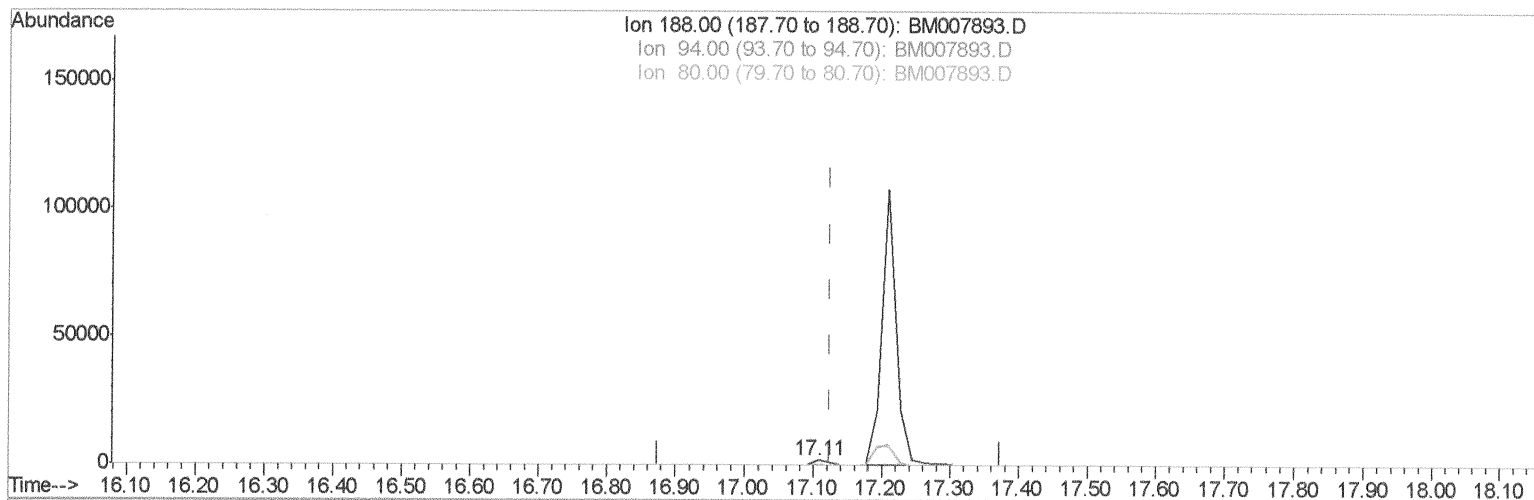
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Data File : BM007893.D  
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Sample : H5612-13  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F2H13

Manual Integrations  
APPROVED

Umangi  
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TIC: BM007893.D

(10) Phenanthrene-d10 (I)

17.108min (-0.017) 0.40ng/ul m

52 11/16/16

response 3093

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 11.00 | 14.19# |
| 80.00  | 11.80 | 15.93# |
| 0.00   | 0.00  | 0.00   |

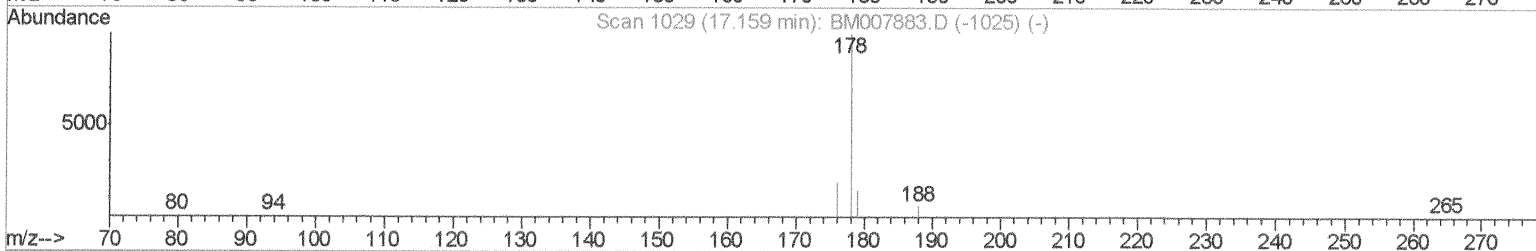
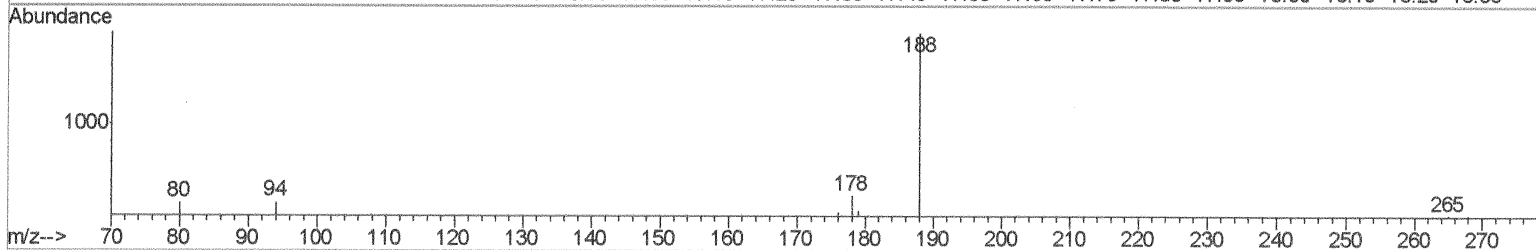
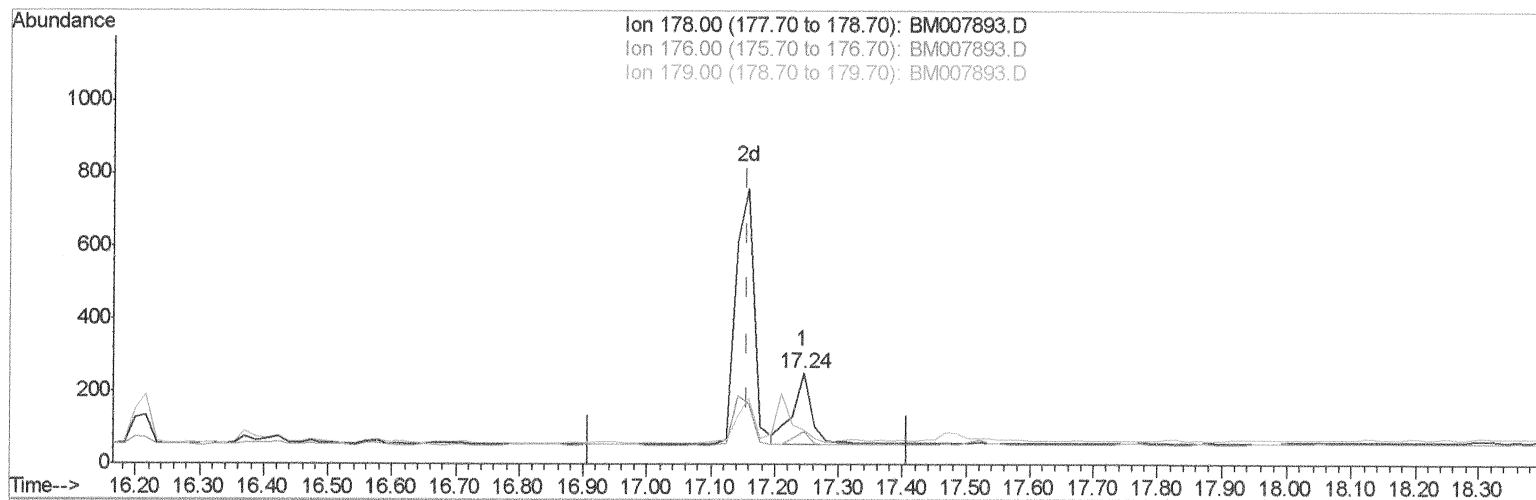
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM111516\  
Data File : BM007893.D  
Acq On : 15 Nov 2016 15:25  
Operator : UM/SJ  
Sample : H5612-13  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F2H13

Manual Integrations  
APPROVED

Umangi  
11/16/2016 6:01:12 PM

Quant Time: Nov 16 07:37:12 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM102516.M  
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QLast Update : Wed Nov 16 01:19:46 2016  
Response via : Initial Calibration



TIC: BM007893.D

(12) Phenanthrene

17.245min (+0.086) 0.05ng/ui

response 404

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 176.00 | 23.00 | 35.20# |
| 179.00 | 17.00 | 38.40# |
| 0.00   | 0.00  | 0.00   |

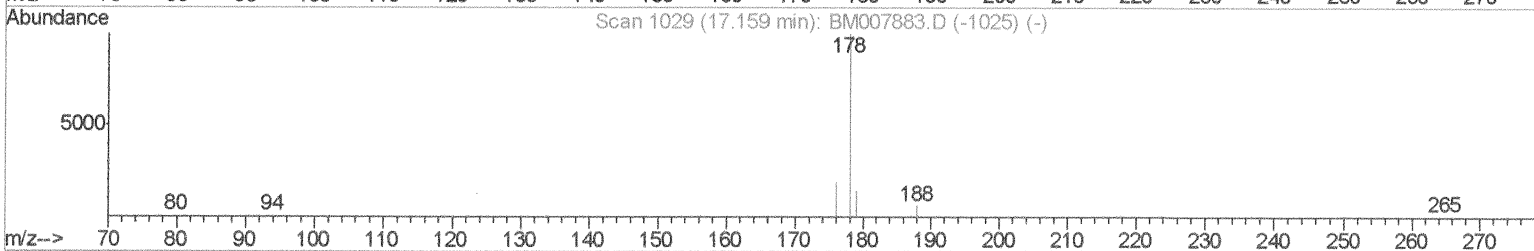
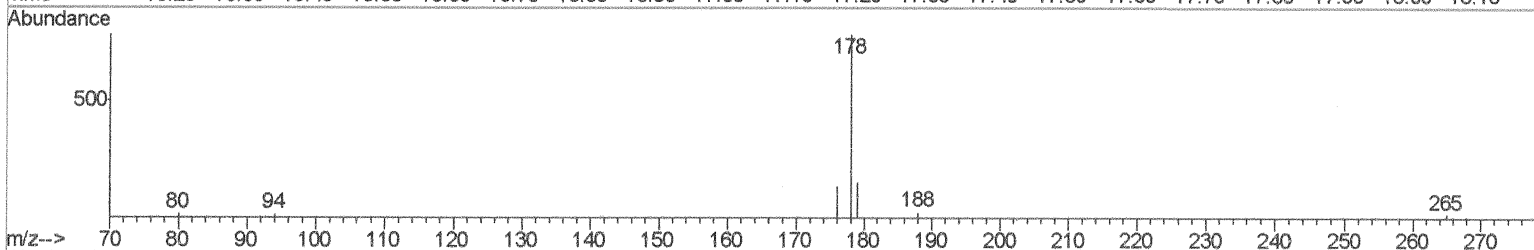
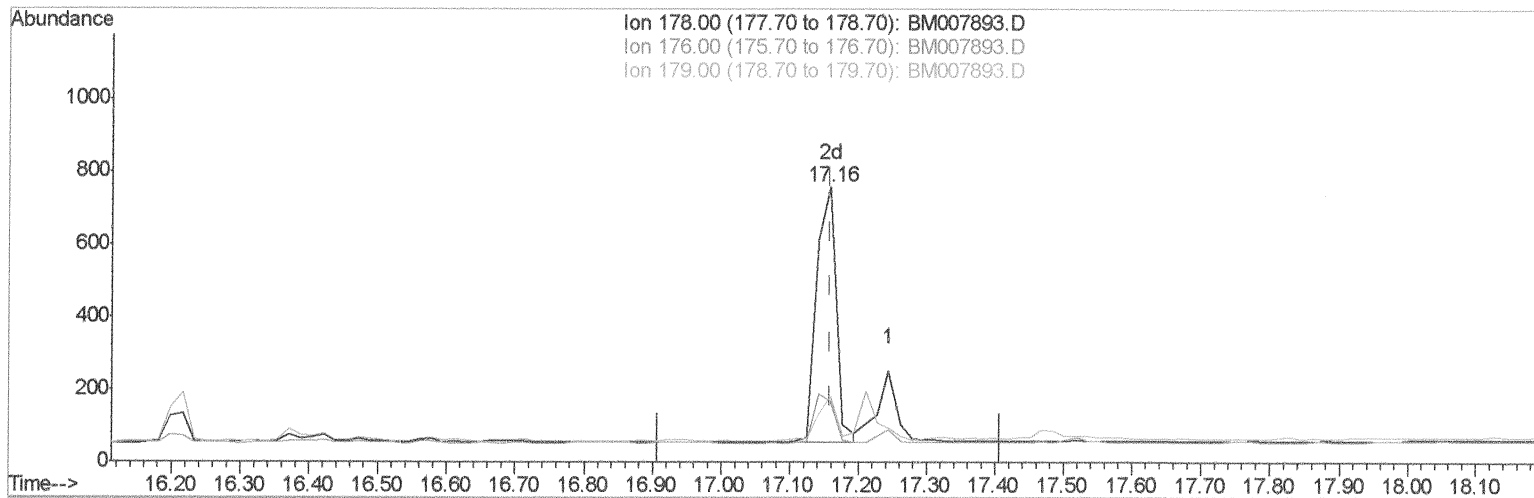
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Sample : H5612-13  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Manual Integrations  
APPROVED

Umangi  
11/16/2016 6:01:12 PM

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TIC: BM007893.D

(12) Phenanthrene

17.159min (+0.000) 0.16ng/ul m

SJ 11/16/16

response 1381

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 176.00 | 23.00 | 22.16  |
| 179.00 | 17.00 | 24.01# |
| 0.00   | 0.00  | 0.00   |

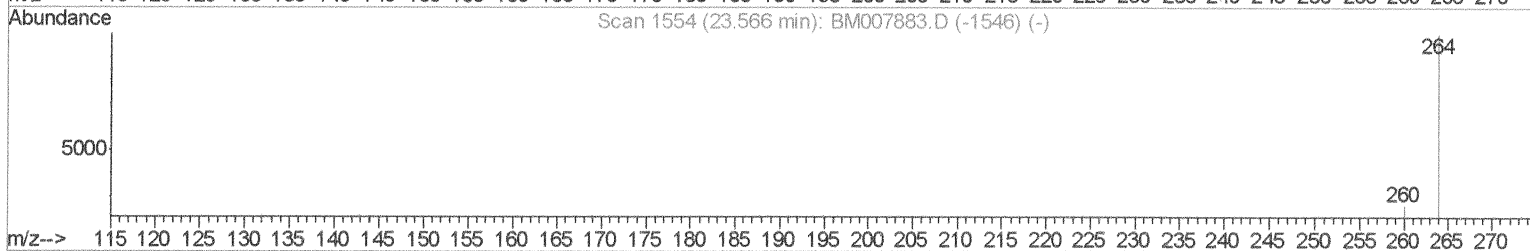
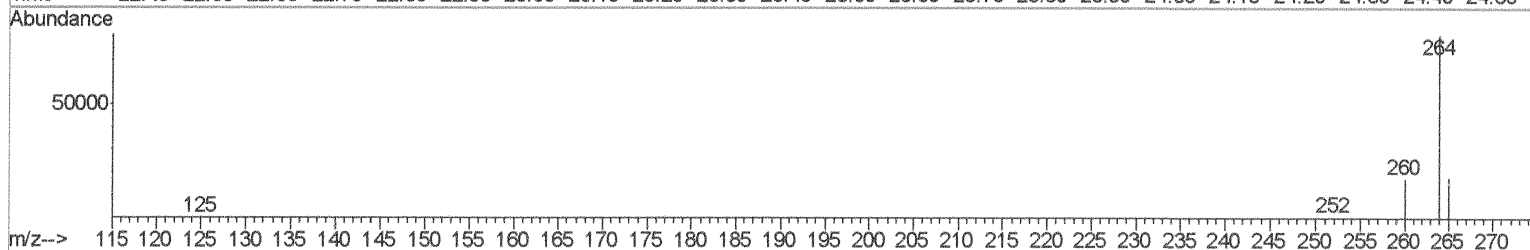
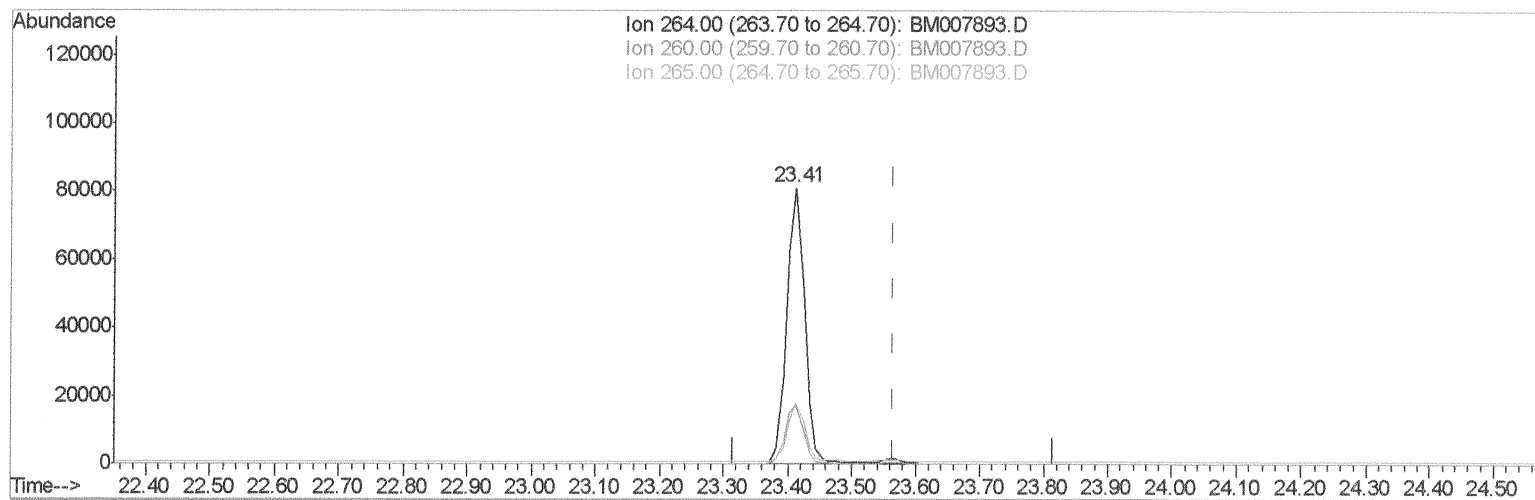
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Data File : BM007893.D  
Acq On : 15 Nov 2016 15:25  
Operator : UM/SJ  
Sample : H5612-13  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F2H13

Manual Integrations  
APPROVED

Umangi  
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TIC: BM007893.D

(20) Perylene-d12 (I)

23.413min (-0.153) 0.40ng/ul

response 158156

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 21.36# |
| 265.00 | 103.50 | 22.06# |
| 0.00   | 0.00   | 0.00   |

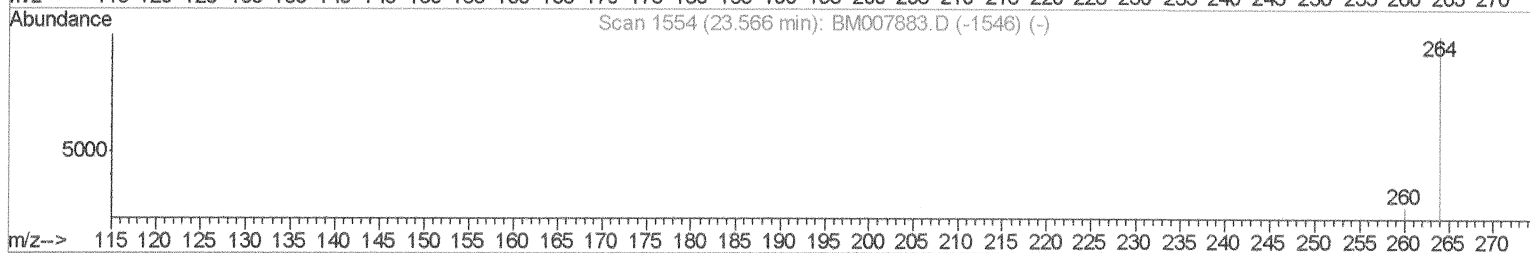
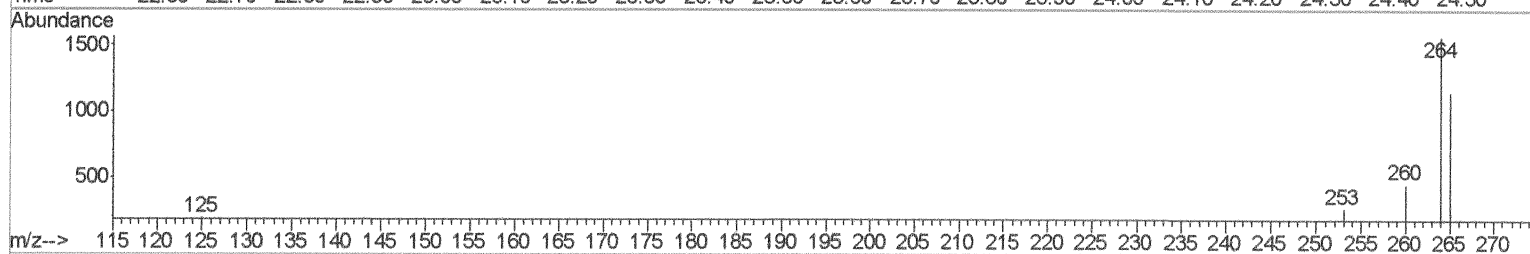
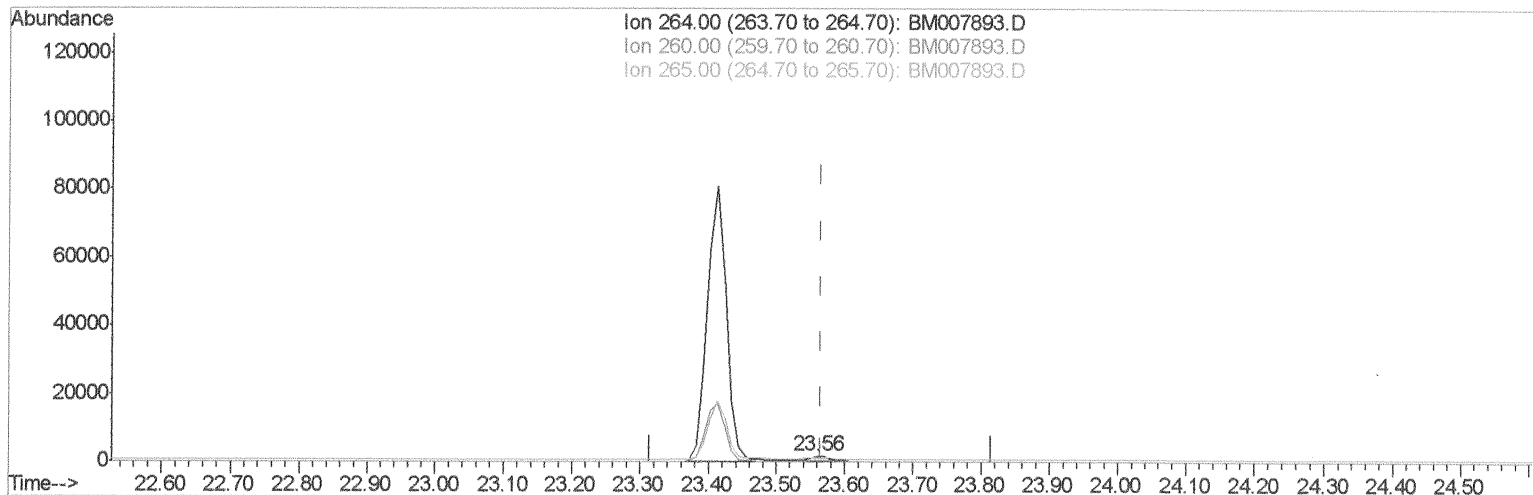
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Data File : BM007893.D  
Acq On : 15 Nov 2016 15:25  
Operator : UM/SJ  
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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Manual Integrations  
APPROVED

Umangi  
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TIC: BM007893.D

(20) Perylene-d12 (I)

23.559min (-0.007) 0.40ng/ul m

52 11/16/16

response 2658

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 28.76  |
| 265.00 | 103.50 | 73.66# |
| 0.00   | 0.00   | 0.00   |

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 Operator : UM/SJ  
 Sample : H5612-13  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 889      | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.51 | 136  | 2853     | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.37 | 164  | 1654     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.11 | 188  | 3093m    | 0.40 | ng/ul | -0.02    |
| 16) Chrysene-d12          | 21.32 | 240  | 3266     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.56 | 264  | 2658m    | 0.40 | ng/ul | 0.00     |

} SJ 11/16/16

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.12 | 152  | 929      | 0.27 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.15 | 212  | 2037     | 0.29 | ng/ul | 0.00     |

| Target Compounds       | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|------------------------|-------|------|----------|------|--------|--------|
| 8) Acenaphthene        | 14.42 | 153  | 7954     | 1.34 | ng/ul  | 91     |
| 9) Fluorene            | 15.43 | 166  | 879m     | 0.13 | ng/ul  |        |
| 12) Phenanthrene       | 17.16 | 178  | 1381m    | 0.16 | ng/ul  |        |
| 15) Fluoranthene       | 19.19 | 202  | 640      | 0.06 | ng/ul  | 75     |
| 18) Benzo(a)anthracene | 21.30 | 228  | 244      | 0.03 | ng/ul# | 54     |
| 19) Chrysene           | 21.35 | 228  | 378      | 0.04 | ng/ul# | 66     |

} SJ 11/16/16

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