

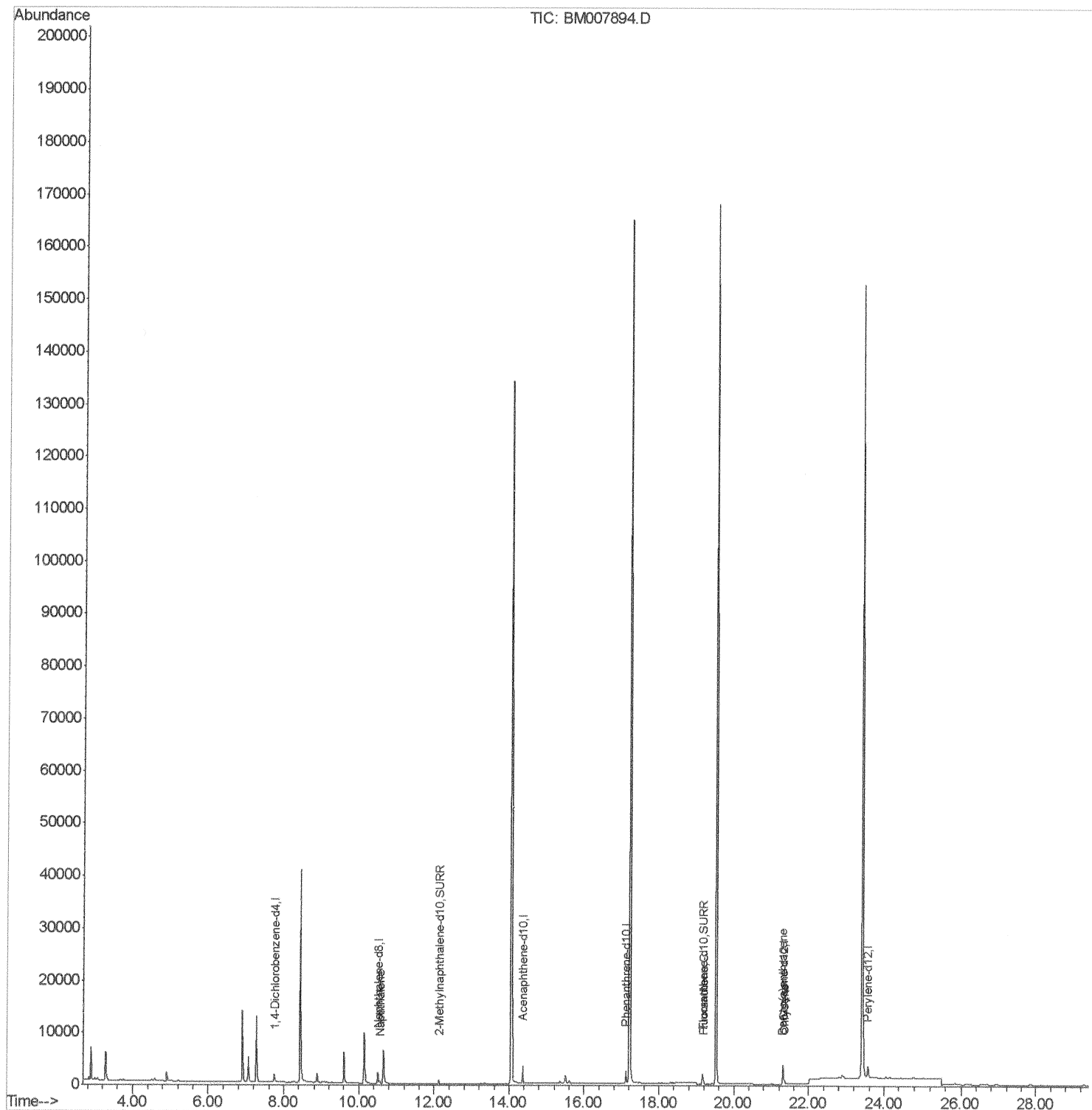
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM111516\  
Data File : BM007894.D  
Acq On : 15 Nov 2016 16:01  
Operator : UM/SJ  
Sample : H5612-14  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F2H14

Manual Integrations  
APPROVED

Umangi  
11/16/2016 6:01:10 PM

Quant Time: Nov 16 07:42:38 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



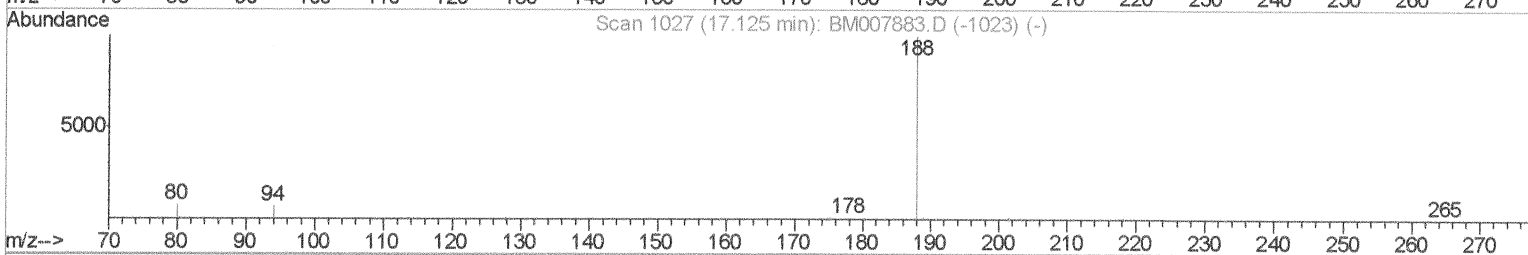
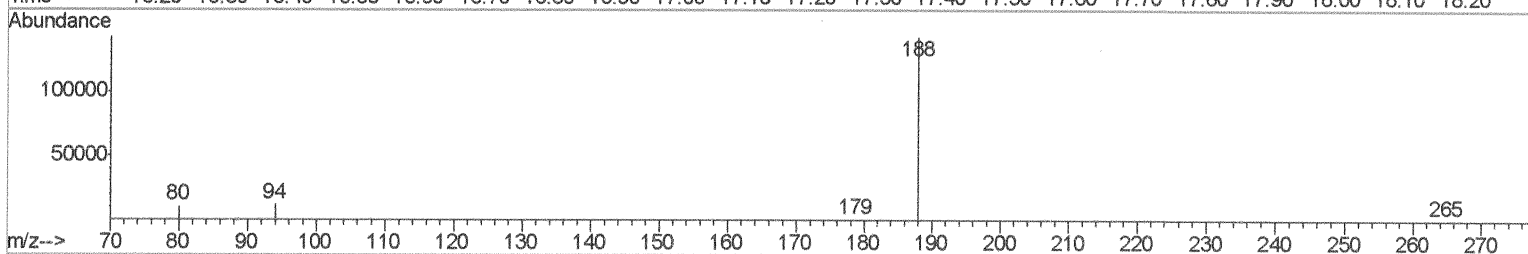
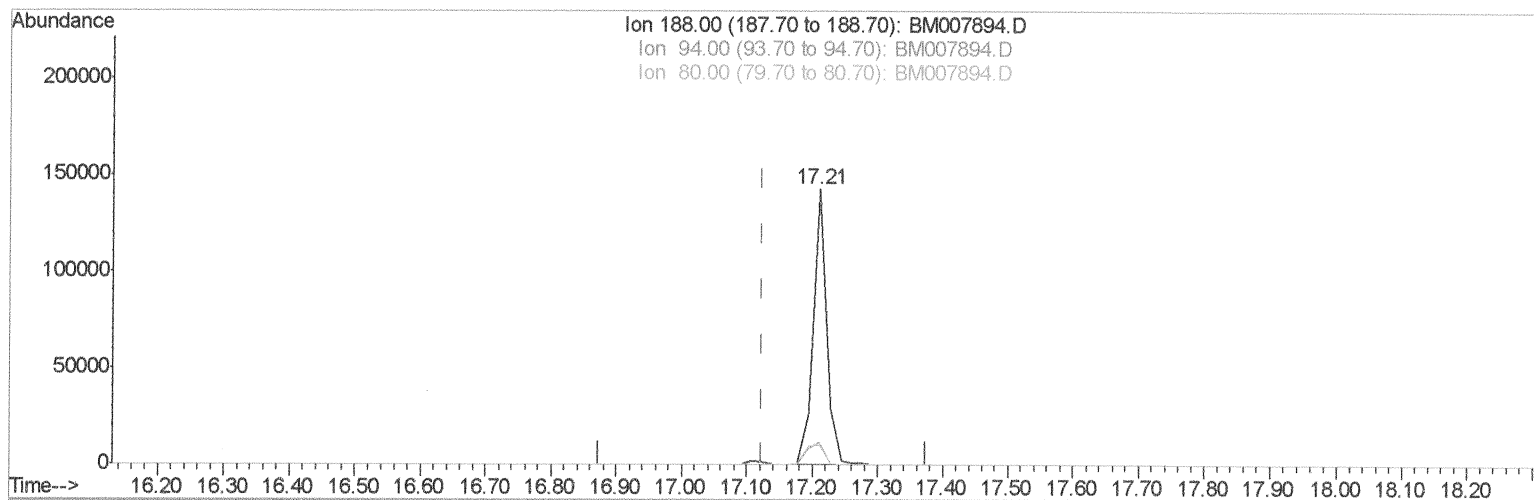
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Manual Integrations  
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Quant Time: Nov 16 01:23:00 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM102516.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 16 01:19:46 2016  
Response via : Initial Calibration



TIC: BM007894.D

(10) Phenanthrene-d10 (I)

17.210min (+0.086) 0.40ng/ul

response 206970

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 8.20# |
| 80.00  | 11.80 | 7.24# |
| 0.00   | 0.00  | 0.00  |

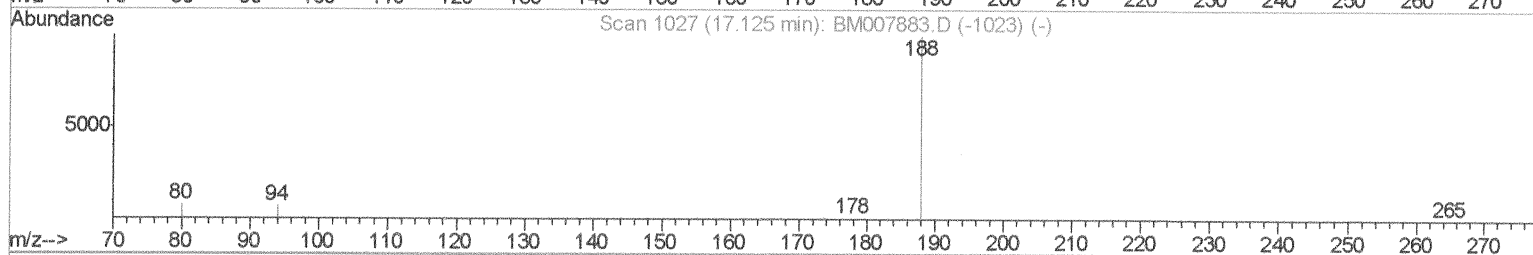
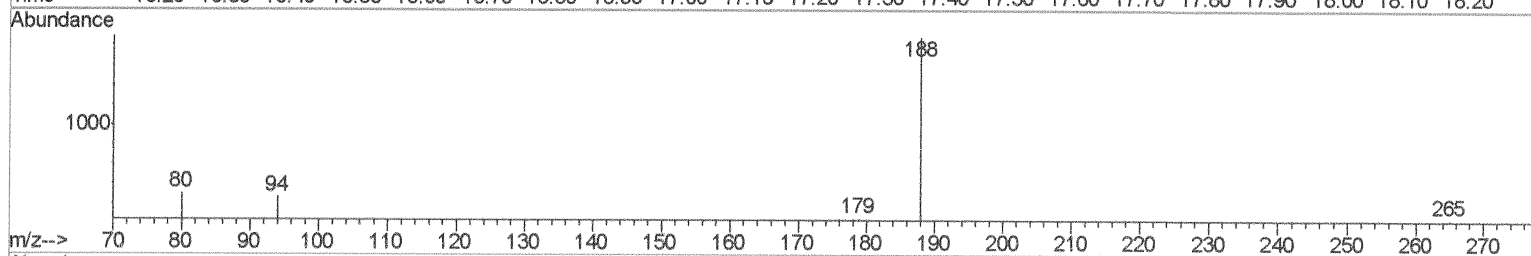
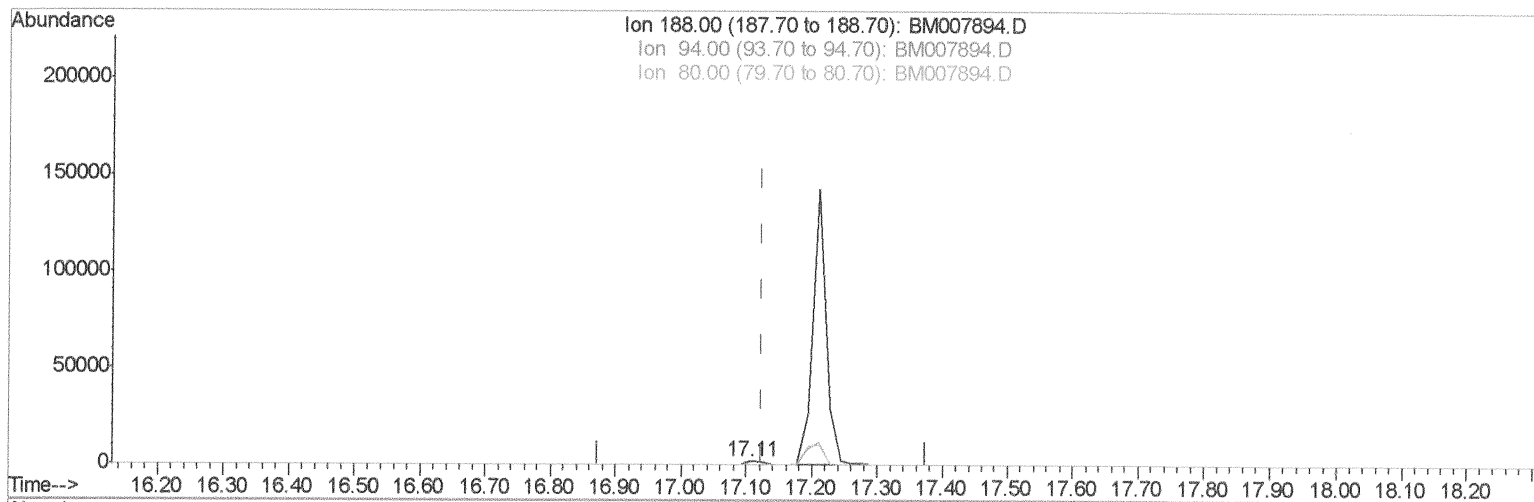
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Instrument :  
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Manual Integrations  
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TIC: BM007894.D

(10) Phenanthrene-d10 (I)

17.107min (-0.017) 0.40ng/ul m

SJ 11/16/16

response 3348

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 11.00 | 14.31# |
| 80.00  | 11.80 | 16.37# |
| 0.00   | 0.00  | 0.00   |

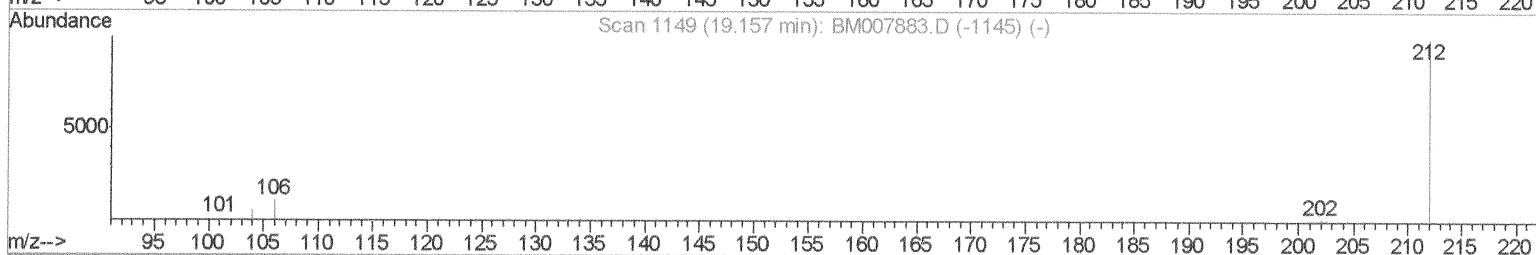
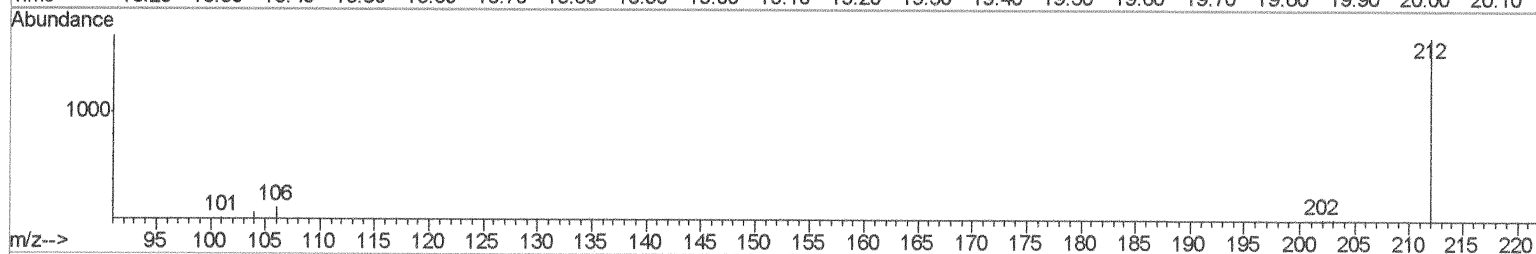
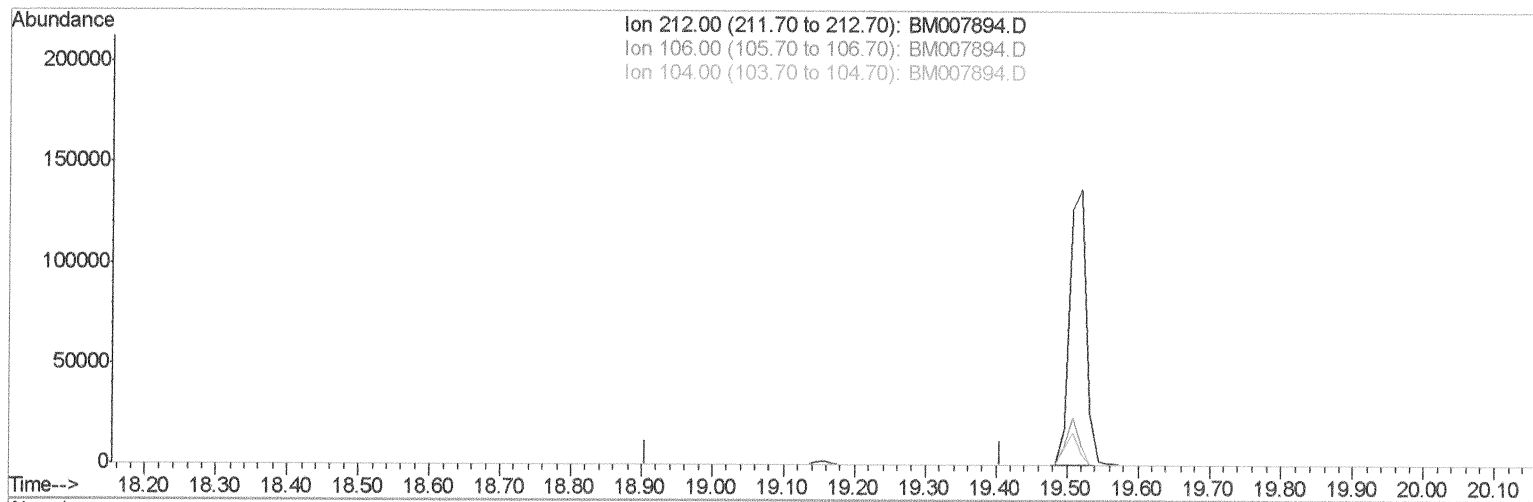
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM111516\  
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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F2H14

Manual Integrations  
APPROVED

Umangi  
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Quant Time: Nov 16 07:40:40 2016  
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TIC: BM007894.D

(14) Fluoranthene-d10 (SURR)

19.157min (-19.157) 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  |

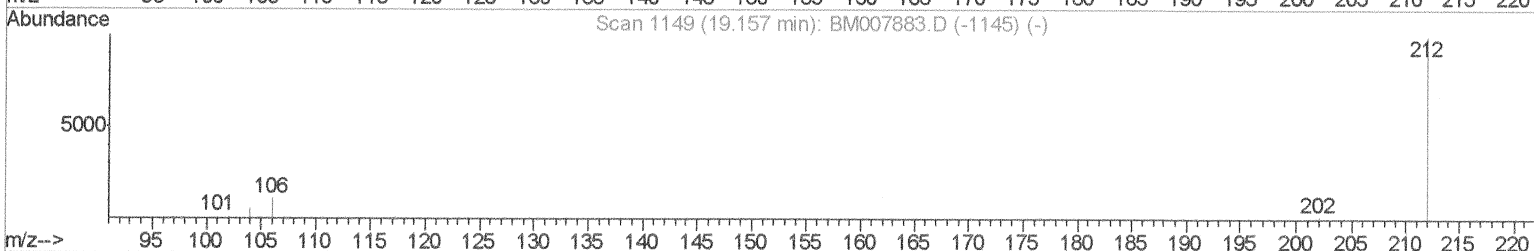
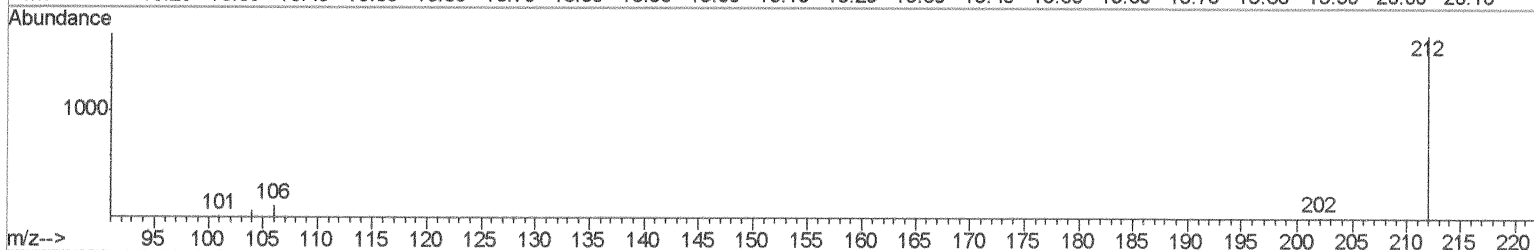
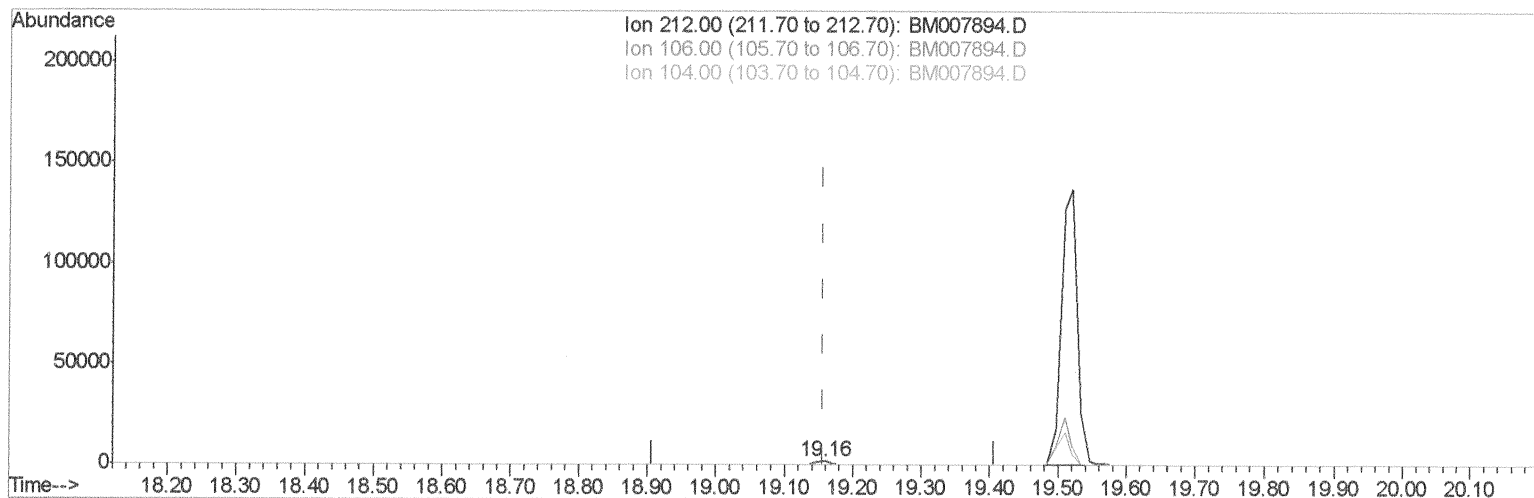
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM111516\  
Data File : BM007894.D  
Acq On : 15 Nov 2016 16:01  
Operator : UM/SJ  
Sample : H5612-14  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F2H14

Manual Integrations  
APPROVED

Umangi  
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Quant Time: Nov 16 07:40:40 2016  
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TIC: BM007894.D

(14) Fluoranthene-d10 (SURR)

19.157min (0.000) 0.34ng/ul m

SJ 11/16/16

response 2598

| 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  |

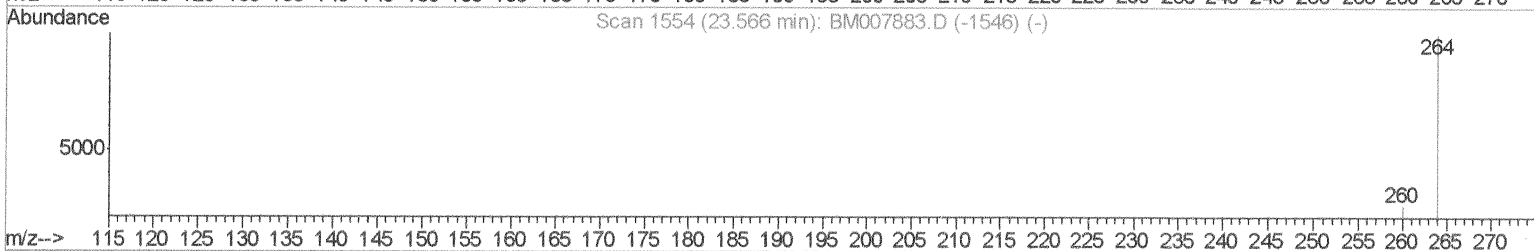
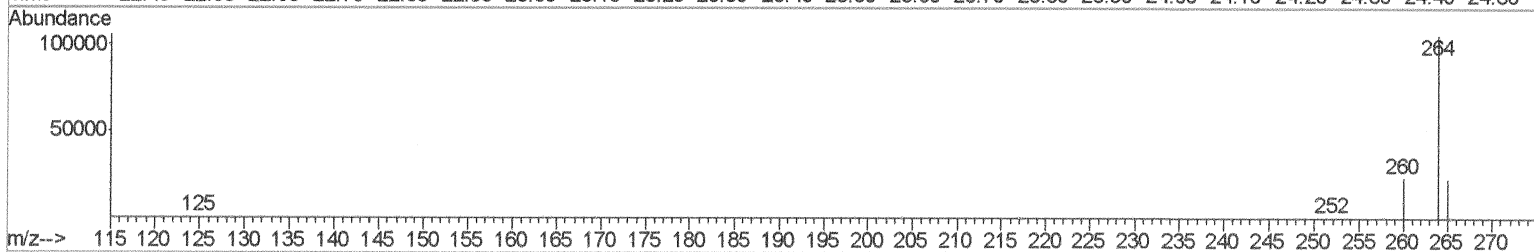
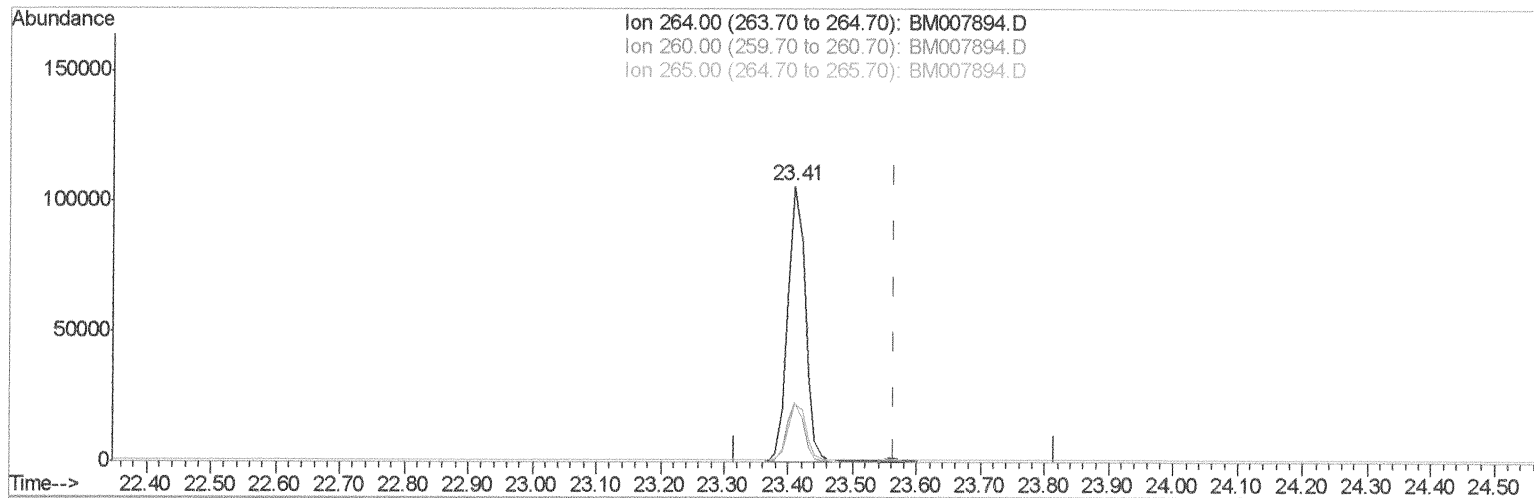
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM111516\  
Data File : BM007894.D  
Acq On : 15 Nov 2016 16:01  
Operator : UM/SJ  
Sample : H5612-14  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F2H14

Manual Integrations  
APPROVED

Umangi  
11/16/2016 6:01:10 PM

Quant Time: Nov 16 07:40:40 2016  
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Response via : Initial Calibration



TIC: BM007894.D

(20) Perylene-d12 (I)

23.410min (-0.156) 0.40ng/ul

response 203629

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 21.99# |
| 265.00 | 103.50 | 21.39# |
| 0.00   | 0.00   | 0.00   |

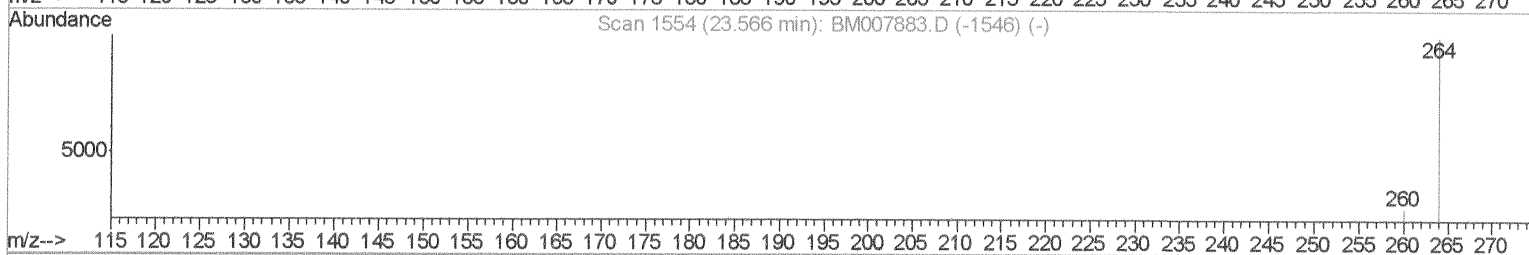
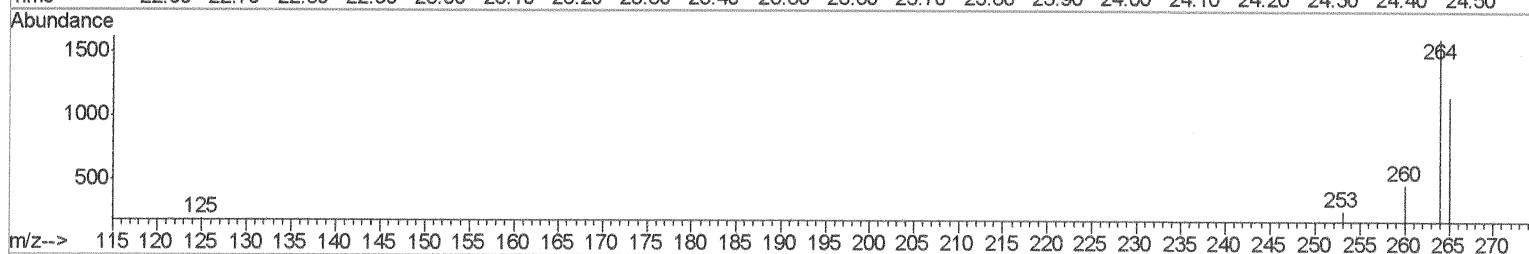
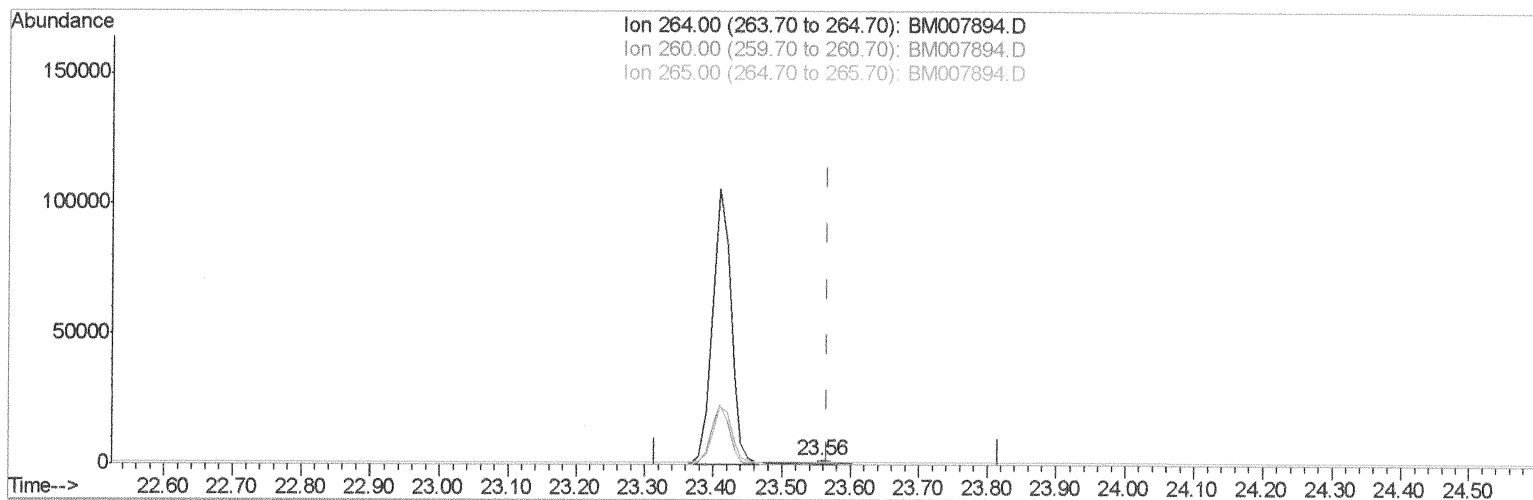
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Data File : BM007894.D  
Acq On : 15 Nov 2016 16:01  
Operator : UM/SJ  
Sample : H5612-14  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F2H14

Manual Integrations  
APPROVED

Umangi  
11/16/2016 6:01:10 PM

Quant Time: Nov 16 07:40:40 2016  
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Response via : Initial Calibration



TIC: BM007894.D

(20) Perylene-d12 (I)

23.555min (-0.010) 0.40ng/ul m

SJ 11/16/16

response 2747

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 29.21  |
| 265.00 | 103.50 | 71.78# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM111516\  
 Data File : BM007894.D  
 Acq On : 15 Nov 2016 16:01  
 Operator : UM/SJ  
 Sample : H5612-14  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F2H14

Manual Integrations  
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| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 910      | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.51 | 136  | 2998     | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.37 | 164  | 1799     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.11 | 188  | 3348m    | 0.40 | ng/ul | -0.02    |
| 16) Chrysene-d12          | 21.31 | 240  | 3573     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.56 | 264  | 2747m    | 0.40 | ng/ul | -0.01    |

## System Monitoring Compounds

|                            |       |     |       |      |       |      |
|----------------------------|-------|-----|-------|------|-------|------|
| 4) 2-Methylnaphthalene-d10 | 12.12 | 152 | 1175  | 0.33 | ng/ul | 0.00 |
| 14) Fluoranthene-d10       | 19.16 | 212 | 2598m | 0.34 | ng/ul | 0.00 |

## Target Compounds

|                        |       |     |     |      |        | Qvalue |
|------------------------|-------|-----|-----|------|--------|--------|
| 3) Naphthalene         | 10.56 | 128 | 593 | 0.08 | ng/ul# | 79     |
| 15) Fluoranthene       | 19.18 | 202 | 775 | 0.07 | ng/ul  | 85     |
| 18) Benzo(a)anthracene | 21.29 | 228 | 626 | 0.06 | ng/ul# | 79     |
| 19) Chrysene           | 21.35 | 228 | 927 | 0.08 | ng/ul# | 84     |

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