

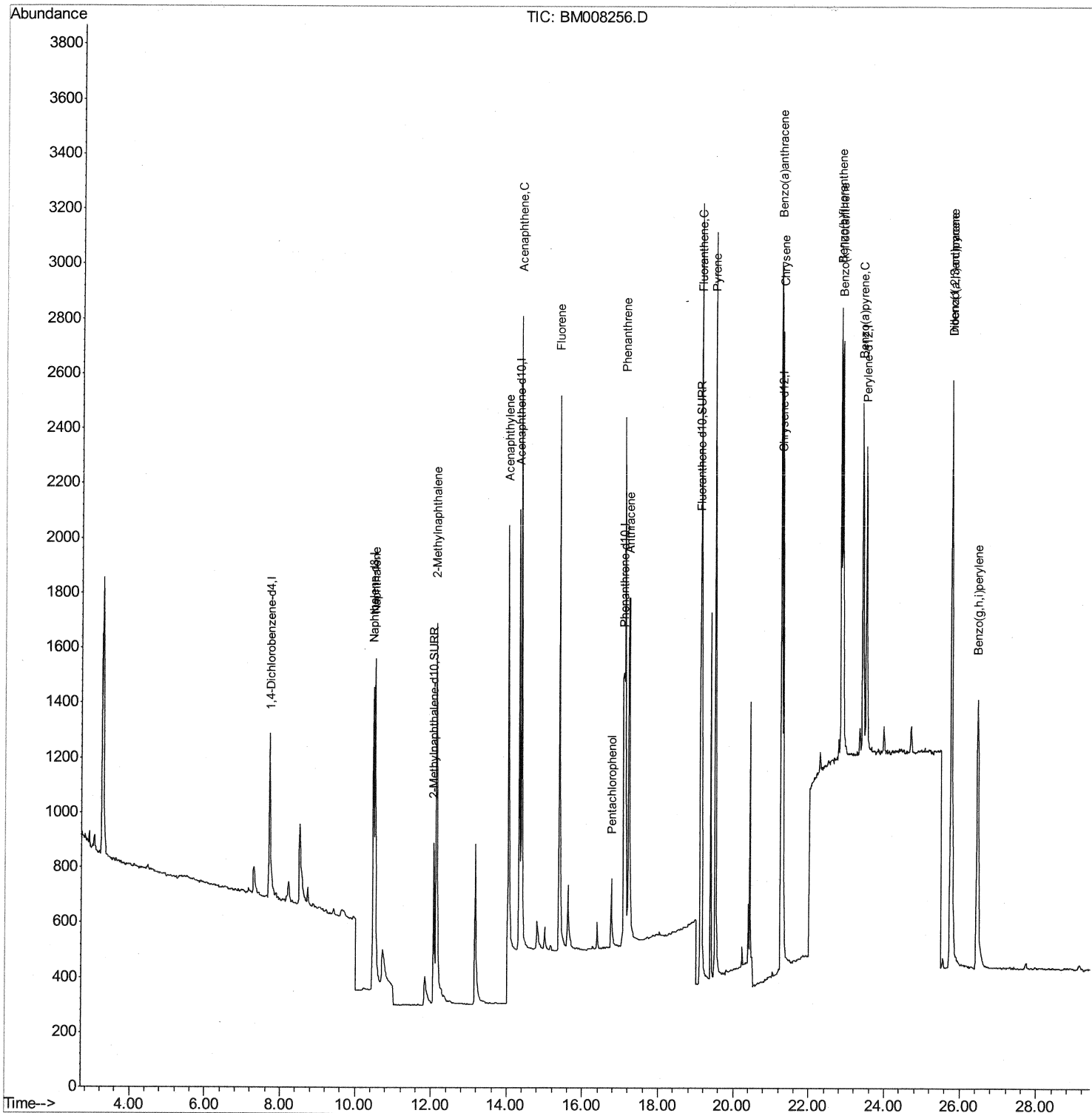
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\  
Data File : BM008256.D  
Acq On : 11 Dec 2016 05:28  
Operator : UM/SJ  
Sample : SSTDCCC0.4EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTD0.442

Manual Integrations  
APPROVED

UMANGI  
12/12/2016 6:50:45 PM

Quant Time: Dec 12 07:06:42 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 12 03:51:49 2016  
Response via : Initial Calibration



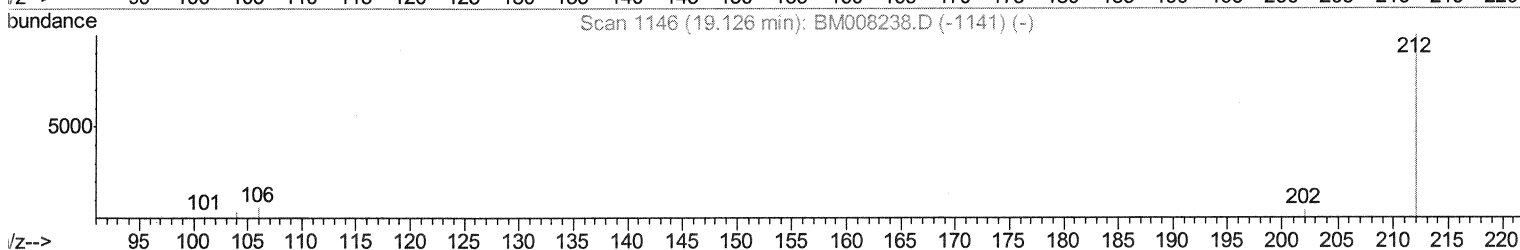
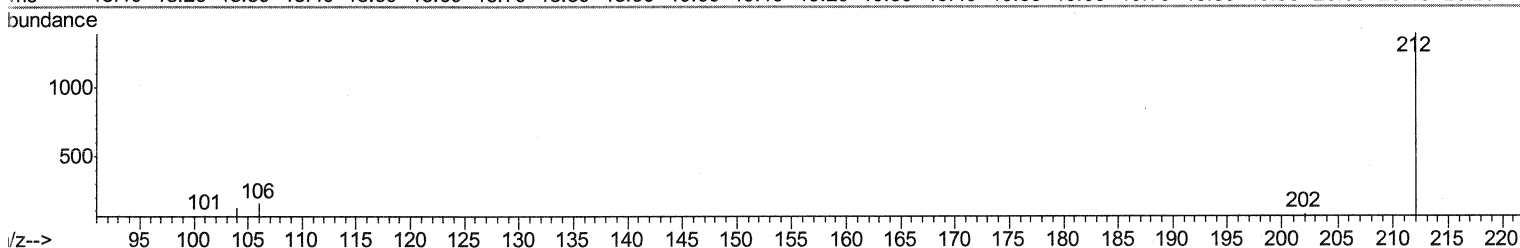
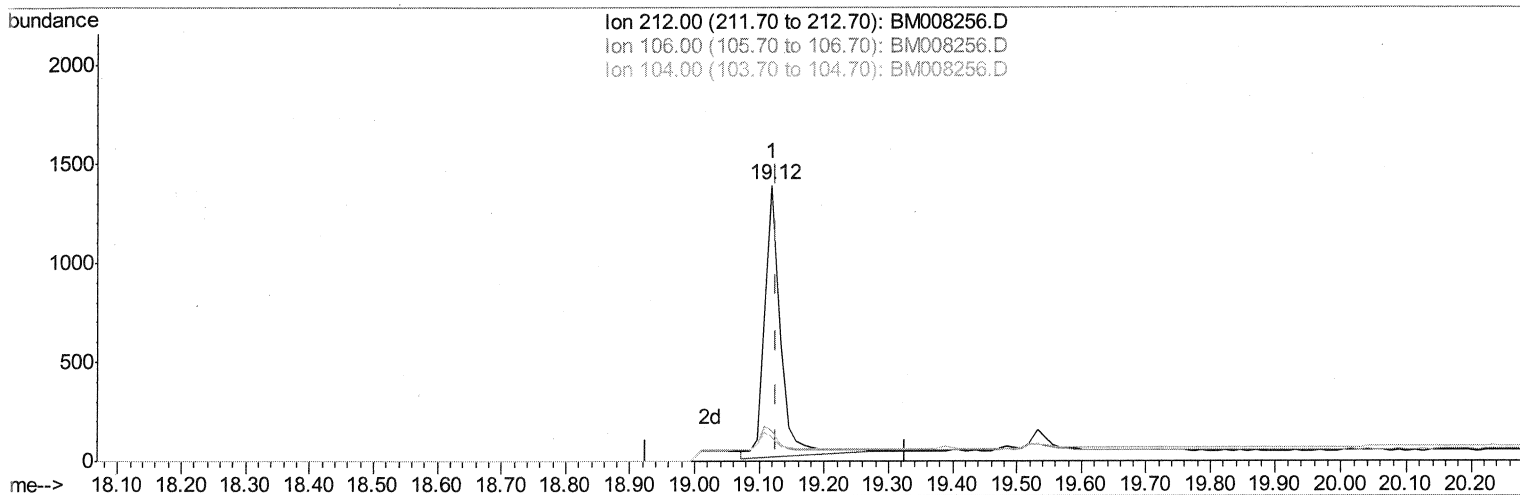
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Data File : BM008256.D  
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Operator : UM/SJ  
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Manual Integrations  
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UMANGI  
12/12/2016 6:50:45 PM

Quant Time: Dec 12 07:06:06 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 12 03:51:49 2016  
Response via : Initial Calibration



TIC: BM008256.D

(14) Fluoranthene-d10 (SURR)

19.120min (-0.005) 0.40ng/ul

response 2349

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 212.00 | 100   | 100    |
| 106.00 | 18.30 | 48.28# |
| 104.00 | 15.60 | 16.86  |
| 0.00   | 0.00  | 0.00   |

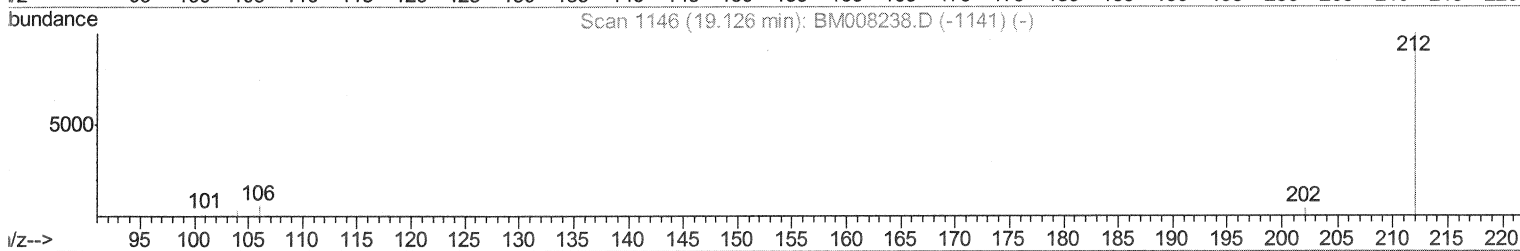
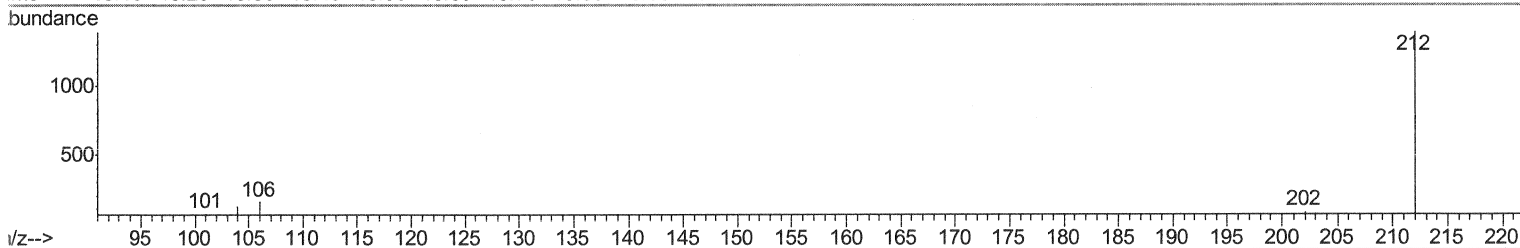
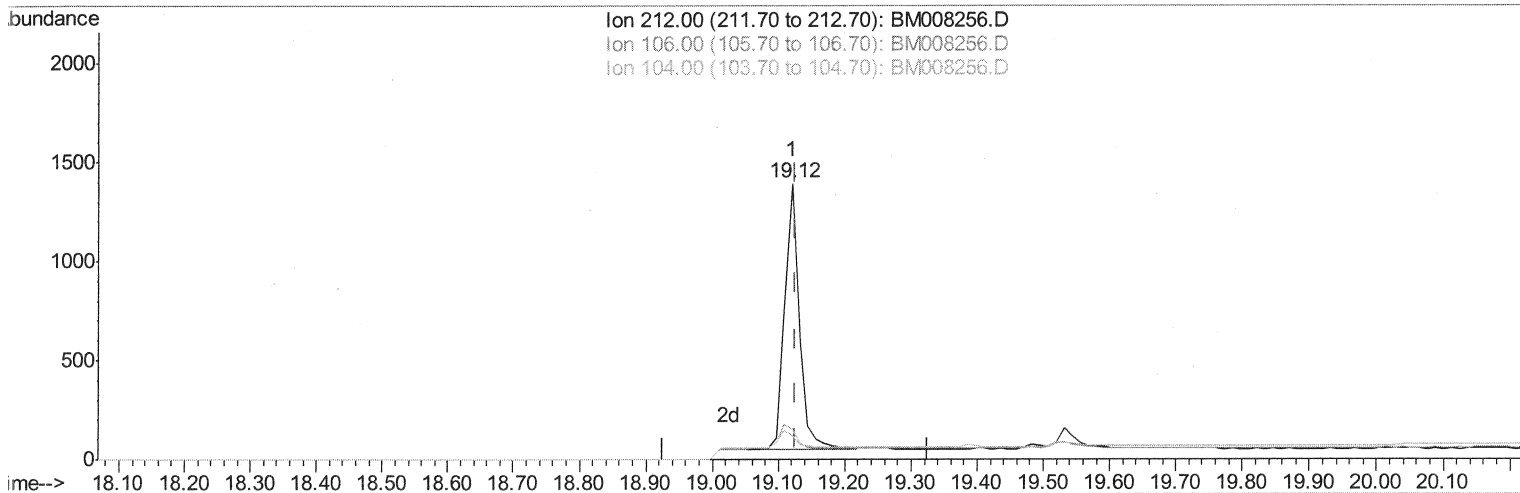
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Data File : BM008256.D  
Acq On : 11 Dec 2016 05:28  
Operator : UM/SJ  
Sample : SSTDCCC0.4EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTD0.442

Manual Integrations  
APPROVED

UMANGI  
12/12/2016 6:50:45 PM

Quant Time: Dec 12 07:06:06 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 12 03:51:49 2016  
Response via : Initial Calibration



TIC: BM008256.D

(14) Fluoranthene-d10 (SURR)

19.120min (-0.005) 0.36ng/ul m SJ 12/12/16

response 2125

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 212.00 | 100   | 100    |
| 106.00 | 18.30 | 53.36# |
| 104.00 | 15.60 | 18.64  |
| 0.00   | 0.00  | 0.00   |

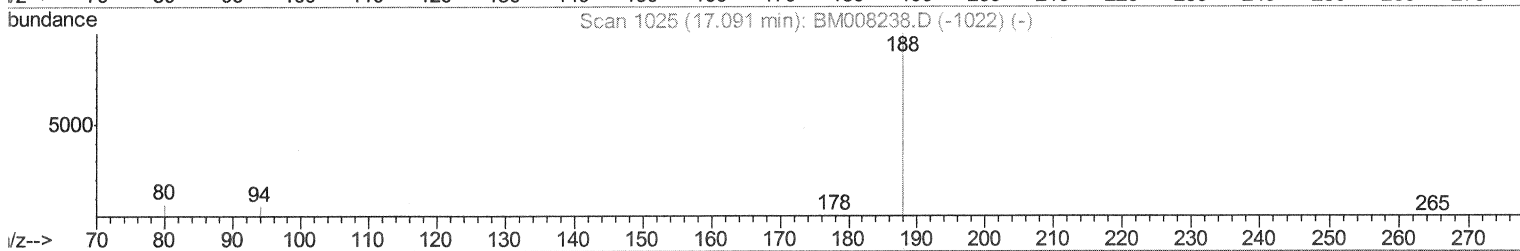
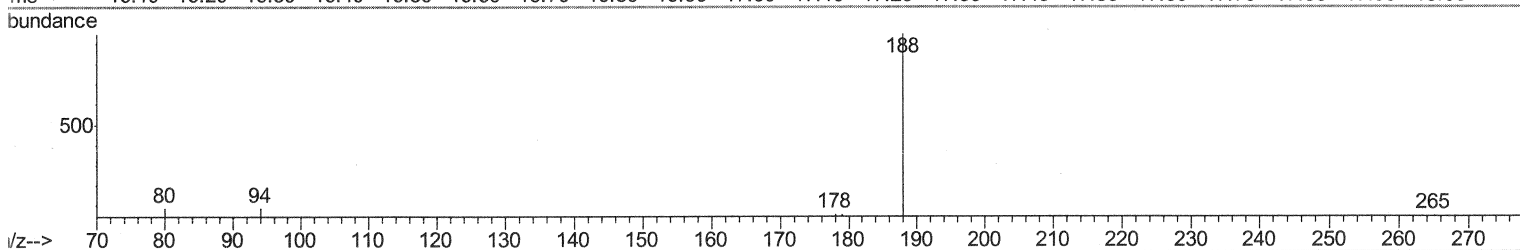
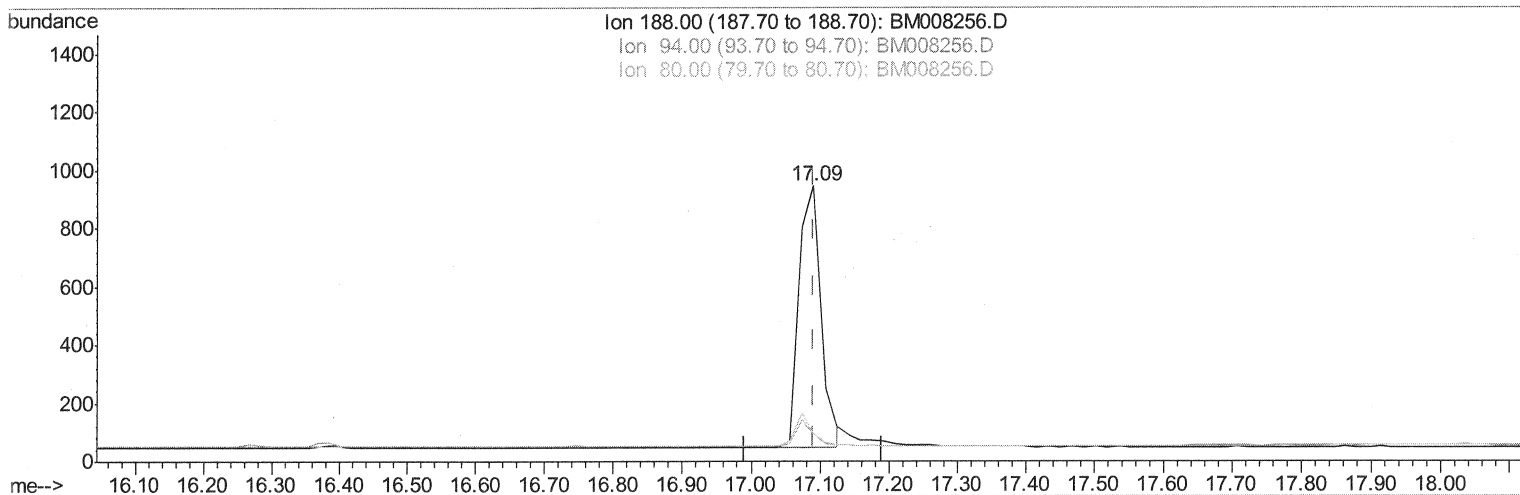
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\  
Data File : BM008256.D  
Acq On : 11 Dec 2016 05:28  
Operator : UM/SJ  
Sample : SSTDCCC0.4EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTD0.442

Manual Integrations  
APPROVED

UMANGI  
12/12/2016 6:50:45 PM

Quant Time: Dec 12 07:05:38 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 12 03:51:49 2016  
Response via : Initial Calibration



TIC: BM008256.D

(10) Phenanthrene-d10 (I)

17.090min (-0.000) 0.40ng/ul

response 2013

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 188.00 | 100   | 100  |
| 94.00  | 11.00 | 9.82 |
| 80.00  | 11.80 | 9.82 |
| 0.00   | 0.00  | 0.00 |

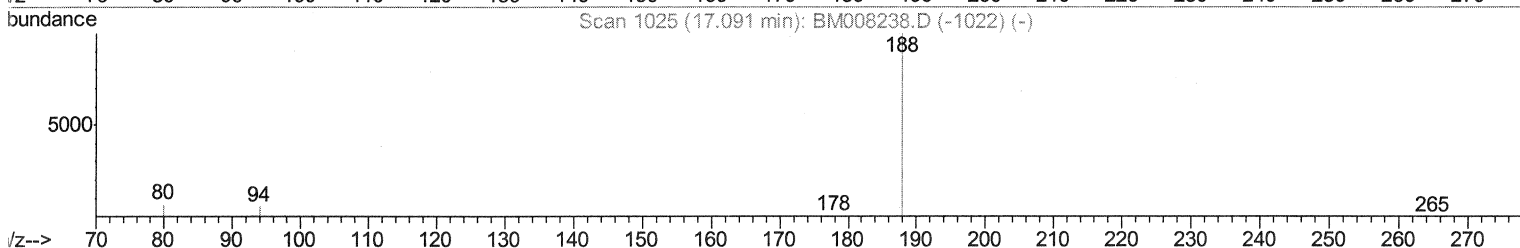
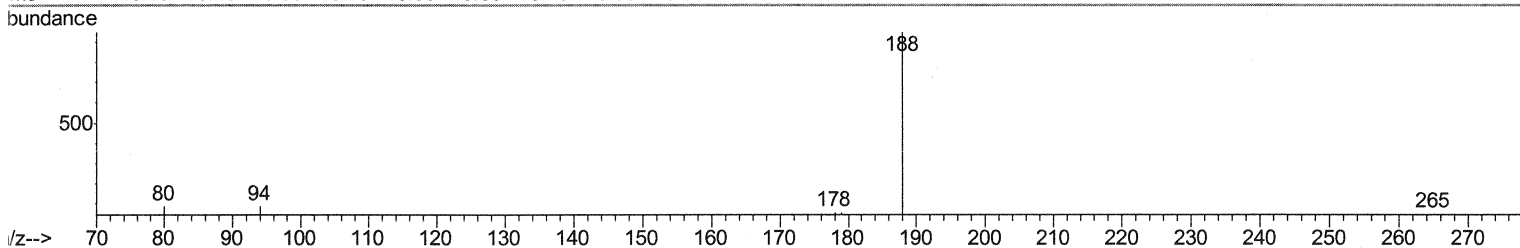
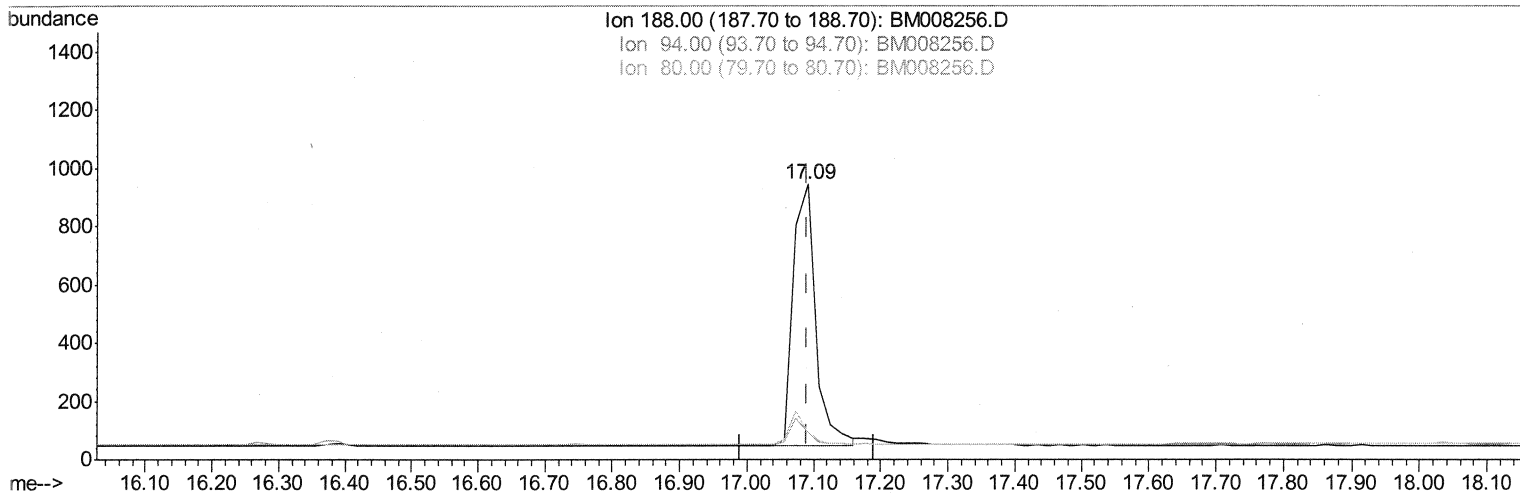
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\  
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 Operator : UM/SJ  
 Sample : SSTDCCC0.4EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD0.442

Manual Integrations  
 APPROVED

UMANGI  
 12/12/2016 6:50:45 PM

Quant Time: Dec 12 07:05:38 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 12 03:51:49 2016  
 Response via : Initial Calibration



TIC: BM008256.D

(10) Phenanthrene-d10 (I)

17.090min (-0.000) 0.40ng/ul m

SJ 12/12/16

response 2098

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 188.00 | 100   | 100  |
| 94.00  | 11.00 | 9.82 |
| 80.00  | 11.80 | 9.82 |
| 0.00   | 0.00  | 0.00 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\  
 Data File : BM008256.D  
 Acq On : 11 Dec 2016 05:28  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD0.442

Manual Integrations  
 APPROVED

UMANGI  
 12/12/2016 6:50:45 PM

Quant Time: Dec 12 07:06:42 2016  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 12 03:51:49 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.71  | 152  | 565      | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.48 | 136  | 2061     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.33 | 164  | 1191     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.09 | 188  | 2098m    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.28 | 240  | 1655     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.51 | 264  | 1601     | 0.40 | ng/ul | 0.00     |

SJ 12/12/16

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.07 | 152  | 1188     | 0.41 | ng/ul | -0.01    |
| 14) Fluoranthene-d10        | 19.12 | 212  | 2125m    | 0.36 | ng/ul | 0.00     |

SJ 12/12/16

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Ovalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 3) Naphthalene             | 10.52 | 128  | 2229     | 0.39 | ng/ul  | 97     |
| 5) 2-Methylnaphthalene     | 12.14 | 142  | 1501     | 0.40 | ng/ul  | 98     |
| 7) Acenaphthylene          | 14.04 | 152  | 2121     | 0.39 | ng/ul  | 97     |
| 8) Acenaphthene            | 14.38 | 153  | 1635     | 0.40 | ng/ul  | 93     |
| 9) Fluorene                | 15.39 | 166  | 1771     | 0.38 | ng/ul  | 94     |
| 11) Pentachlorophenol      | 16.76 | 266  | 269      | 0.37 | ng/ul  | 93     |
| 12) Phenanthrene           | 17.12 | 178  | 2551     | 0.39 | ng/ul  | 96     |
| 13) Anthracene             | 17.23 | 178  | 2519     | 0.41 | ng/ul  | 95     |
| 15) Fluoranthene           | 19.14 | 202  | 3055     | 0.36 | ng/ul  | 95     |
| 17) Pyrene                 | 19.51 | 202  | 3001     | 0.52 | ng/ul  | 97     |
| 18) Benzo(a)anthracene     | 21.26 | 228  | 2434     | 0.48 | ng/ul  | 97     |
| 19) Chrysene               | 21.31 | 228  | 2284     | 0.36 | ng/ul  | 97     |
| 21) Benzo(b)fluoranthene   | 22.84 | 252  | 2276     | 0.36 | ng/ul  | 98     |
| 22) Benzo(k)fluoranthene   | 22.89 | 252  | 2535     | 0.38 | ng/ul  | 93     |
| 23) Benzo(a)pyrene         | 23.42 | 252  | 2354     | 0.39 | ng/ul  | 94     |
| 24) Indeno(1,2,3-cd)pyrene | 25.77 | 276  | 2855     | 0.39 | ng/ul# | 94     |
| 25) Dibenzo(a,h)anthracene | 25.77 | 278  | 2254     | 0.38 | ng/ul  | 96     |
| 26) Benzo(a,h,i)perylene   | 26.44 | 276  | 2424     | 0.37 | ng/ul  | 95     |

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