

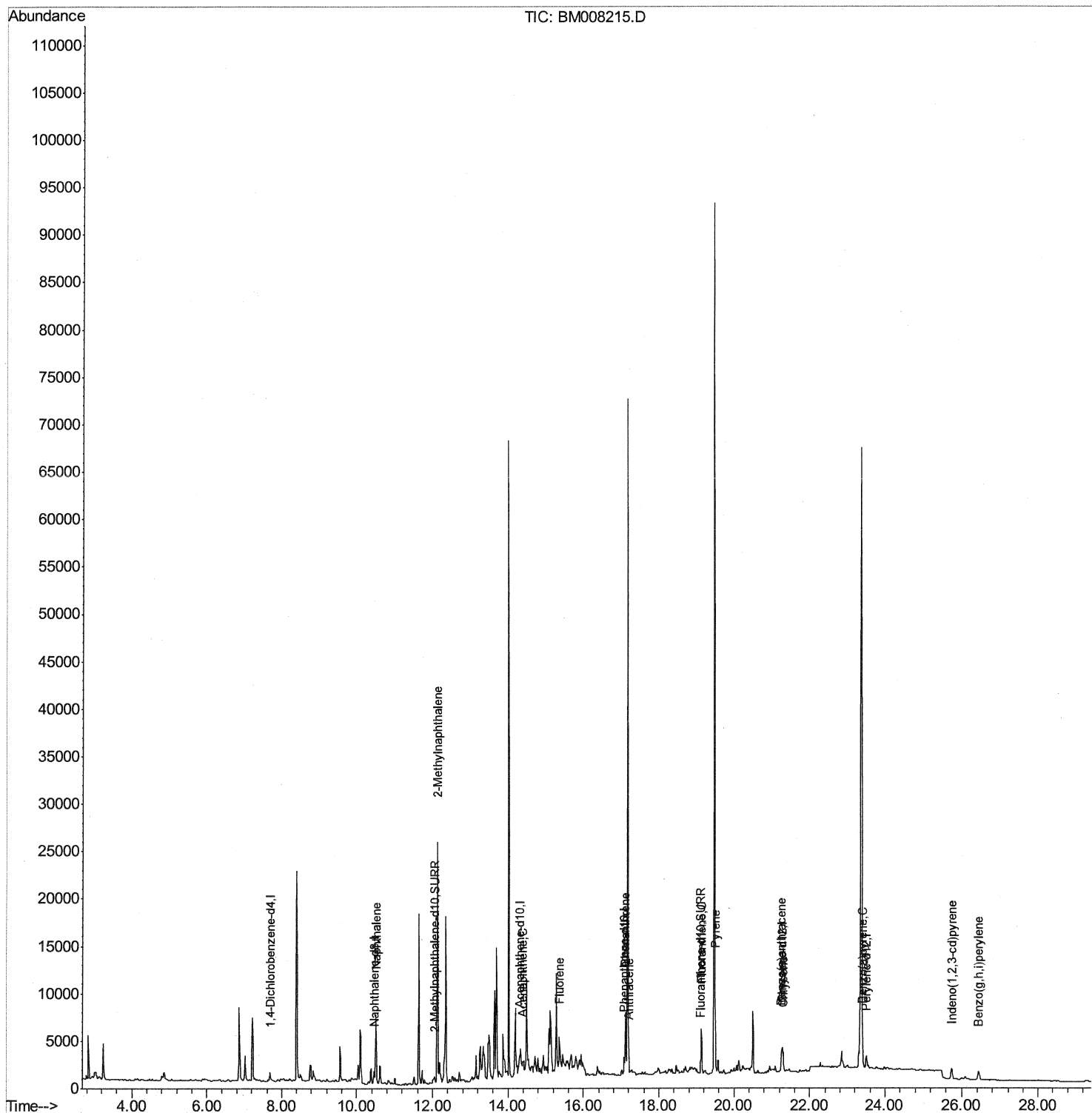
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120916\  
Data File : BM008215.D  
Acq On : 09 Dec 2016 21:04  
Operator : UM/SJ  
Sample : H5863-12  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA7Y9

Manual Integrations  
APPROVED

UMANGI  
12/12/2016 6:49:32 PM

Quant Time: Dec 10 04:47:37 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 10 04:37:00 2016  
Response via : Initial Calibration



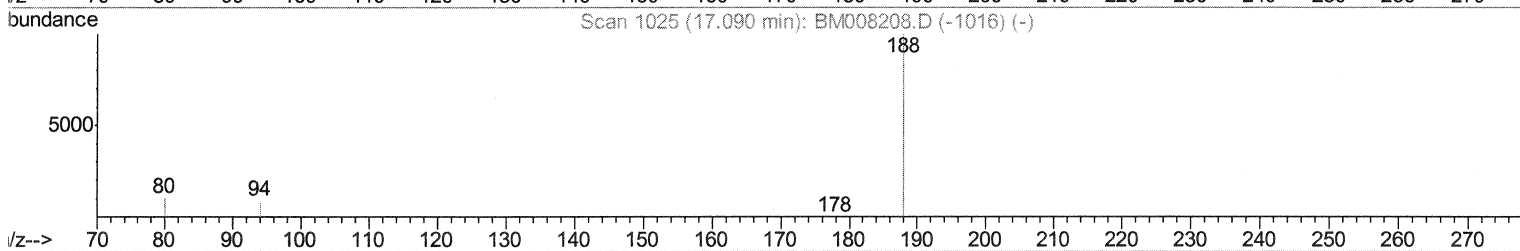
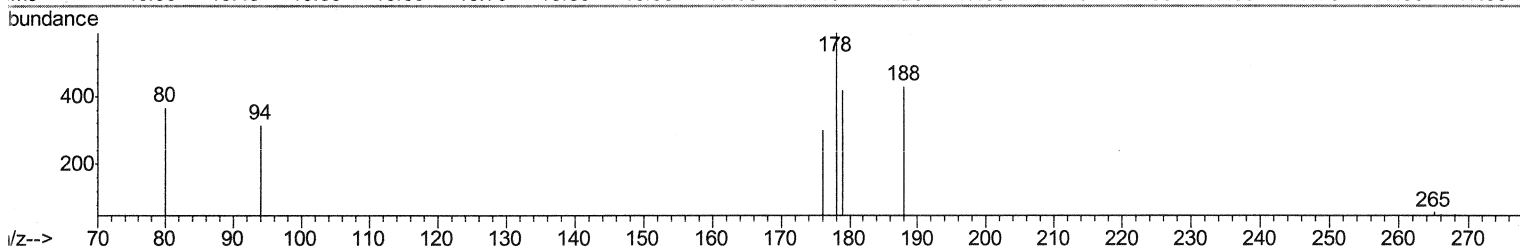
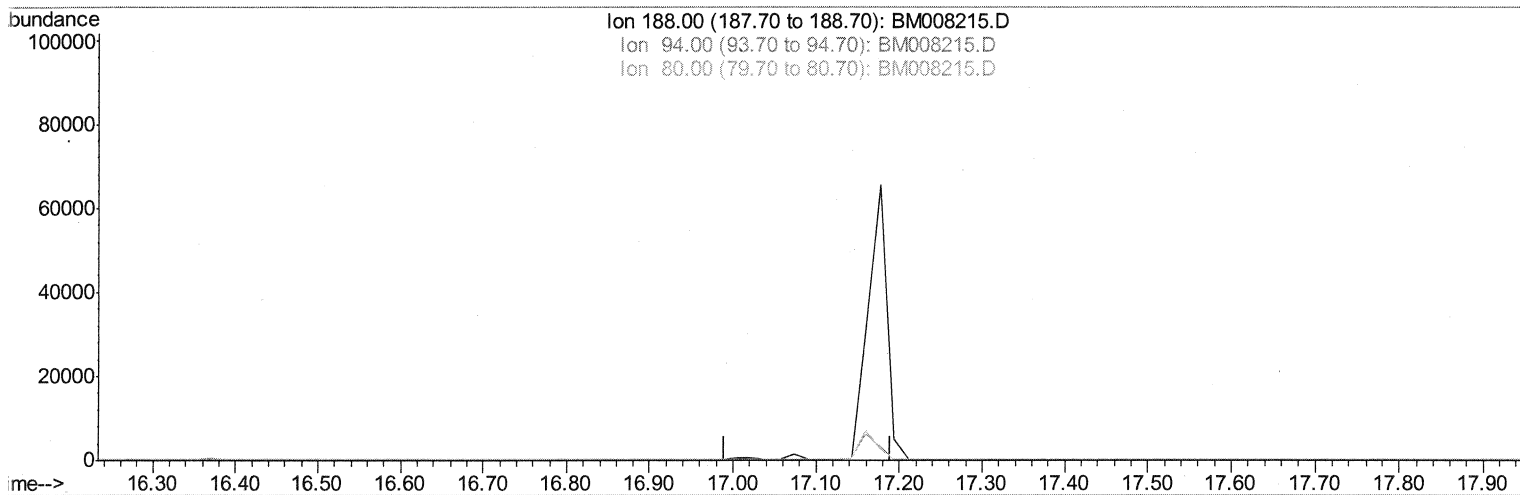
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120916\  
Data File : BM008215.D  
Acq On : 09 Dec 2016 21:04  
Operator : UM/SJ  
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Instrument :  
BNA\_M  
ClientSampleId :  
DA7Y9

Manual Integrations  
APPROVED

UMANGI  
12/12/2016 6:49:32 PM

Quant Time: Dec 10 04:40:43 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 10 04:37:00 2016  
Response via : Initial Calibration



TIC: BM008215.D

(10) Phenanthrene-d10 (I)

17.090min (-17.090) 0.00ng/ul

response 0

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

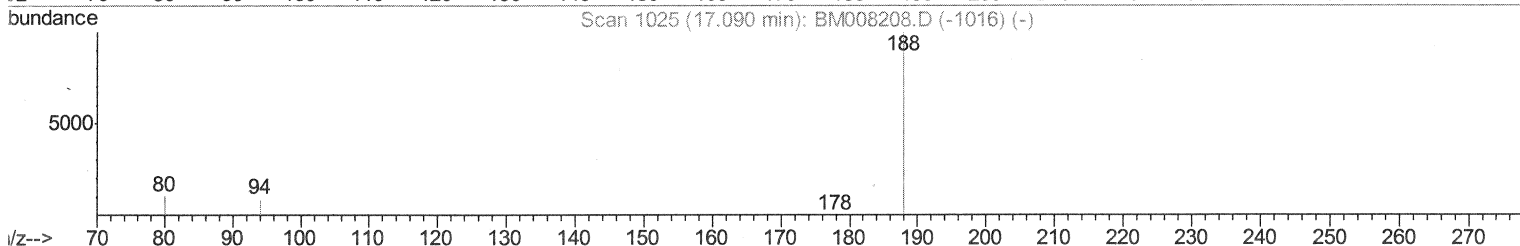
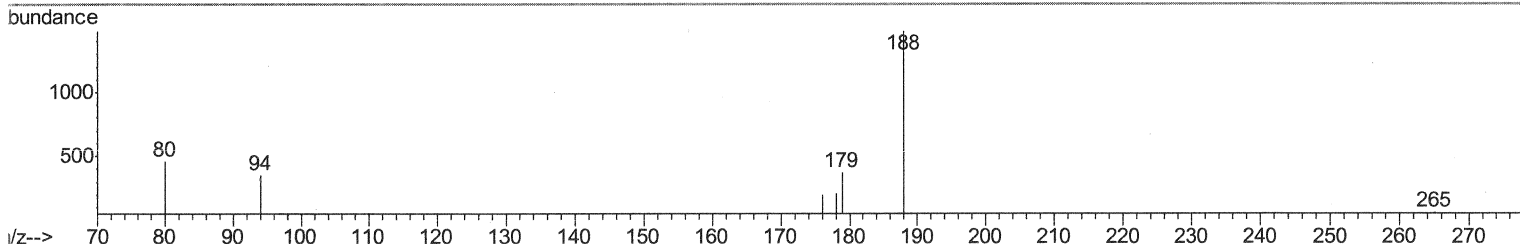
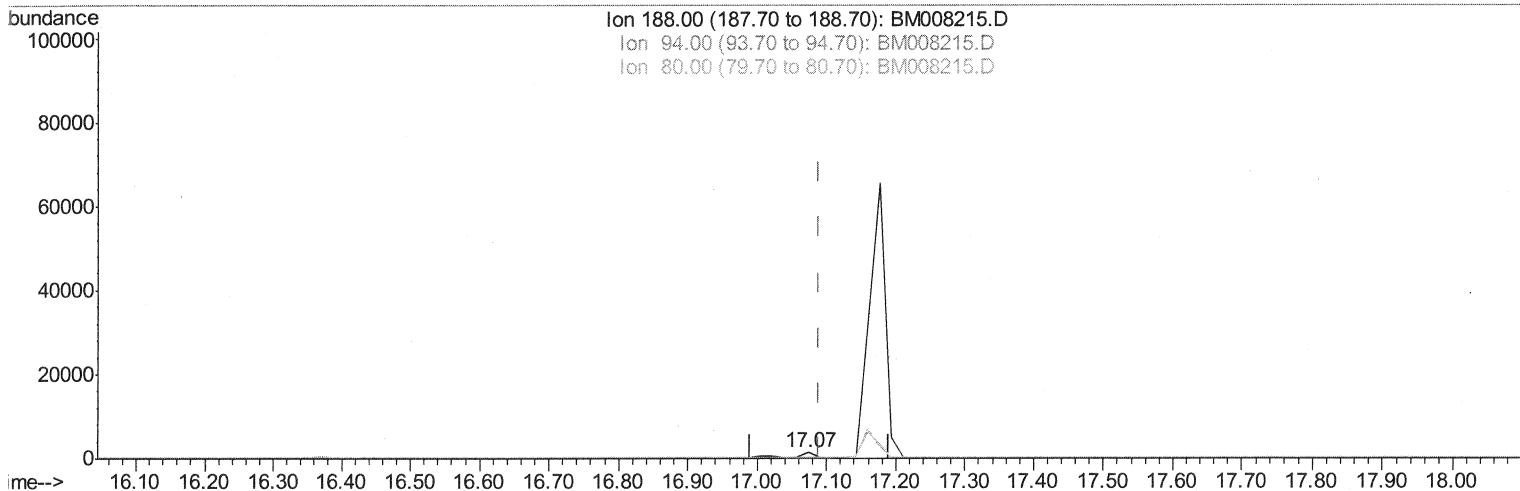
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120916\  
 Data File : BM008215.D  
 Acq On : 09 Dec 2016 21:04  
 Operator : UM/SJ  
 Sample : H5863-12  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA7Y9

Manual Integrations  
 APPROVED

UMANGI  
 12/12/2016 6:49:32 PM

Quant Time: Dec 10 04:40:43 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 10 04:37:00 2016  
 Response via : Initial Calibration



TIC: BM008215.D

(10) Phenanthrene-d10 (I)

17.073min (-0.017) 0.40ng/ul m *SJ 12/12/16*

response 2113

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 11.00 | 23.66# |
| 80.00  | 11.80 | 31.03# |
| 0.00   | 0.00  | 0.00   |

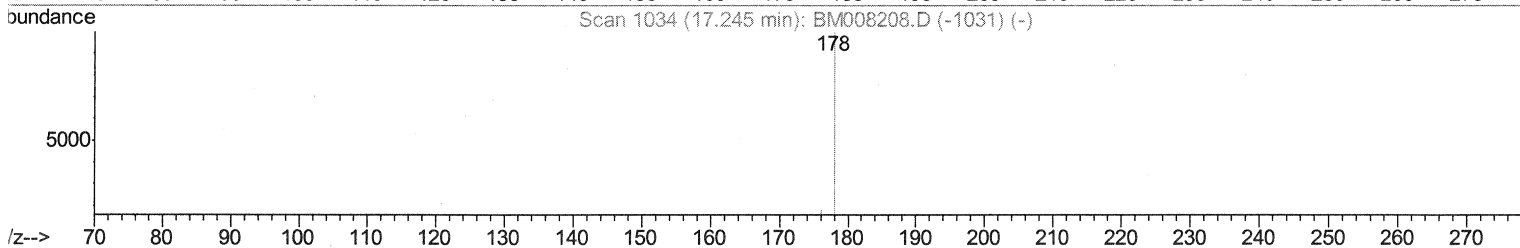
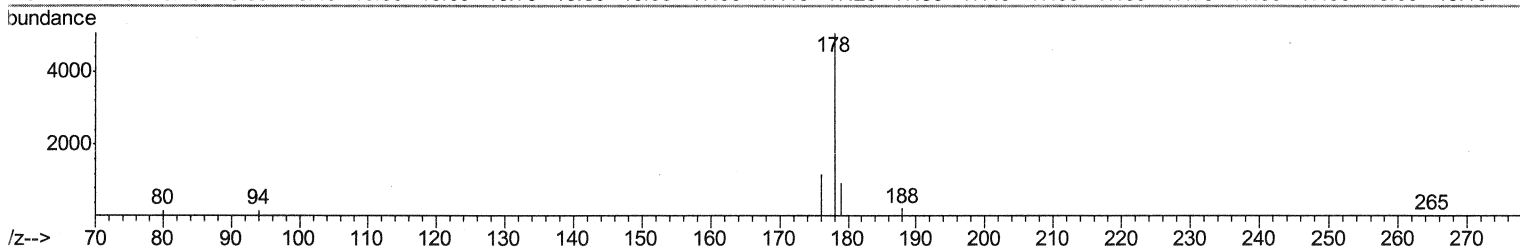
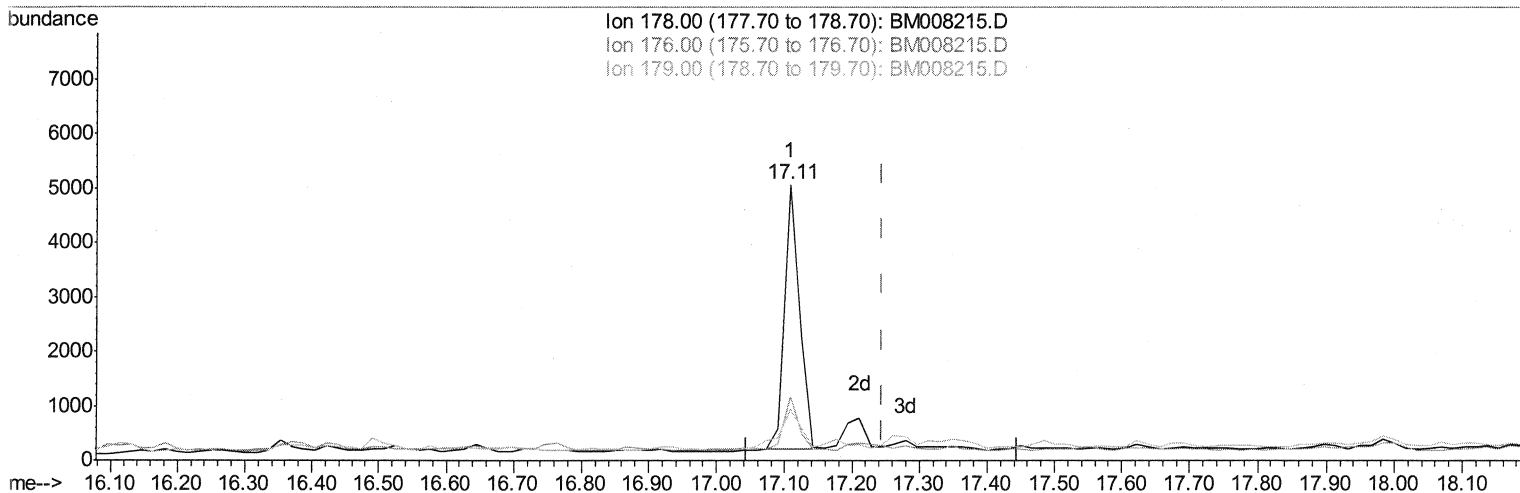
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120916\  
Data File : BM008215.D  
Acq On : 09 Dec 2016 21:04  
Operator : UM/SJ  
Sample : H5863-12  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA7Y9

Manual Integrations  
APPROVED

UMANGI  
12/12/2016 6:49:32 PM

Quant Time: Dec 10 04:42:53 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 10 04:37:00 2016  
Response via : Initial Calibration



TIC: BM008215.D

(13) Anthracene

17.108min (-0.137) 1.22ng/ul

response 7554

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 176.00 | 22.60 | 23.35 |
| 179.00 | 18.40 | 18.57 |
| 0.00   | 0.00  | 0.00  |

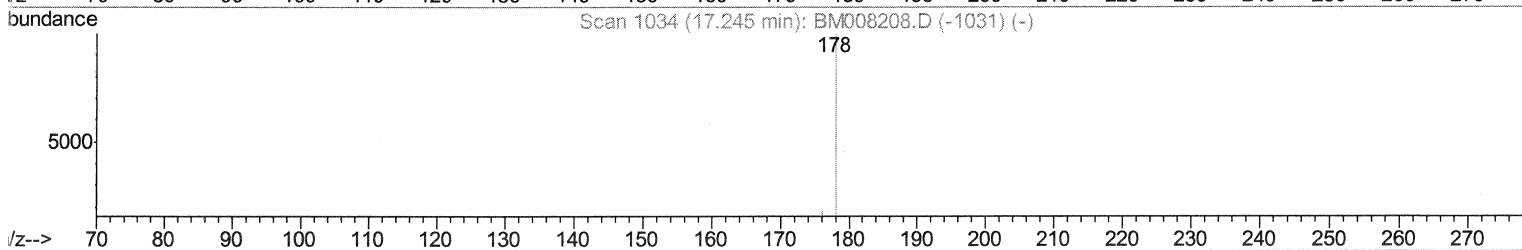
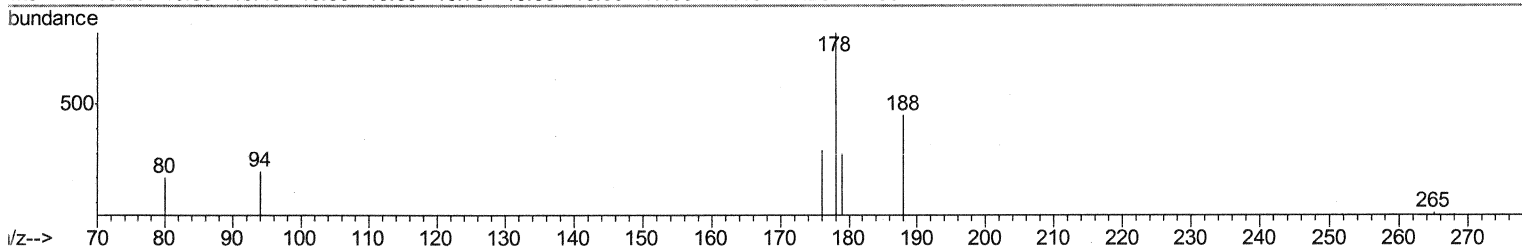
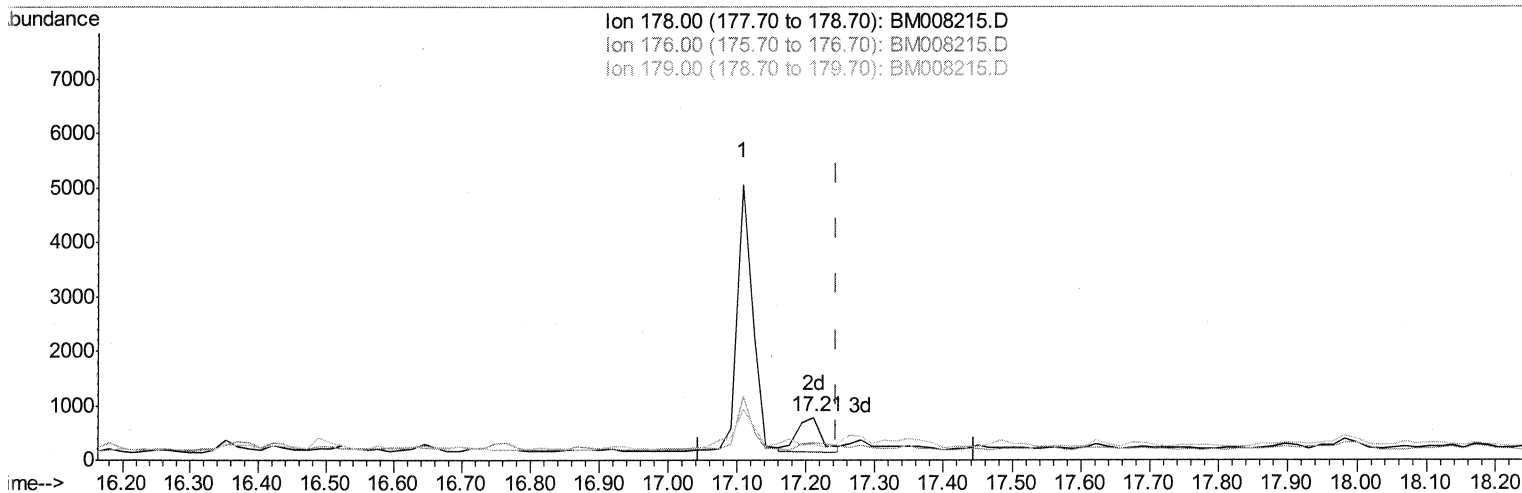
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120916\  
Data File : BM008215.D  
Acq On : 09 Dec 2016 21:04  
Operator : UM/SJ  
Sample : H5863-12  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA7Y9

Manual Integrations  
APPROVED

UMANGI  
12/12/2016 6:49:32 PM

Quant Time: Dec 10 04:42:53 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 10 04:37:00 2016  
Response via : Initial Calibration



TIC: BM008215.D

(13) Anthracene

17.211min (-0.034) 0.25ng/ul m

51 12/12/16

response 1514

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 176.00 | 22.60 | 39.90# |
| 179.00 | 18.40 | 37.74# |
| 0.00   | 0.00  | 0.00   |

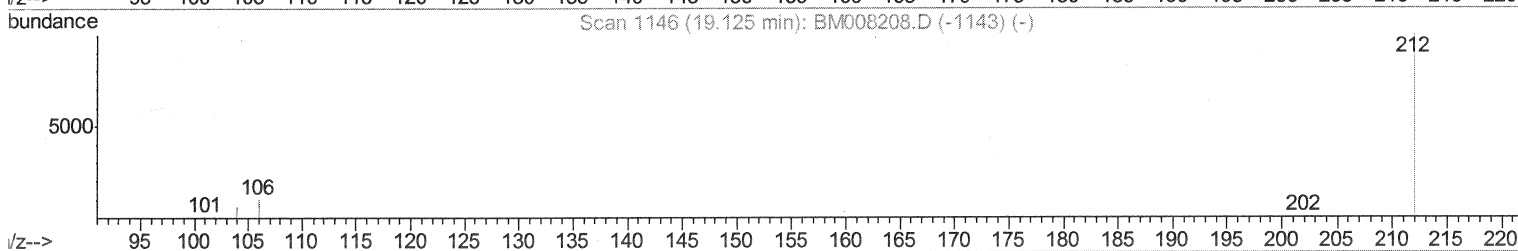
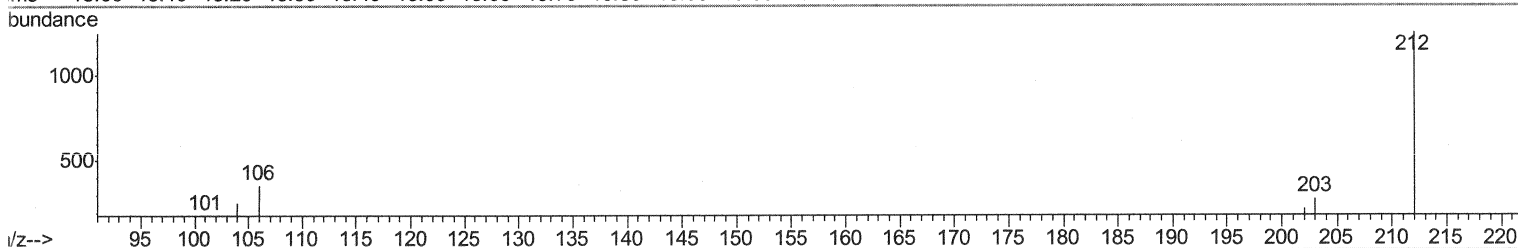
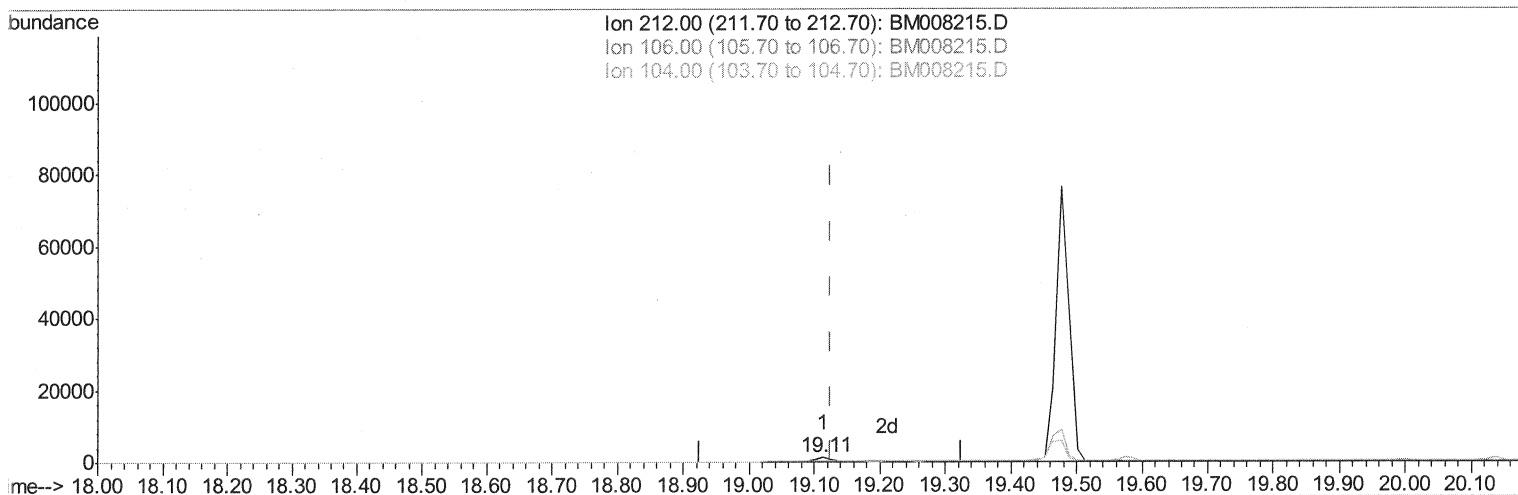
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM120916\  
Data File : BM008215.D  
Acq On : 09 Dec 2016 21:04  
Operator : UM/SJ  
Sample : H5863-12  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA7Y9

Manual Integrations  
APPROVED

UMANGI  
12/12/2016 6:49:32 PM

Quant Time: Dec 10 04:47:37 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 10 04:37:00 2016  
Response via : Initial Calibration



TIC: BM008215.D

(14) Fluoranthene-d10 (SURR)

19.114min (-0.012) 0.65ng/ul

response 3873

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 212.00 | 100   | 100    |
| 106.00 | 18.30 | 23.19# |
| 104.00 | 15.60 | 47.51# |
| 0.00   | 0.00  | 0.00   |

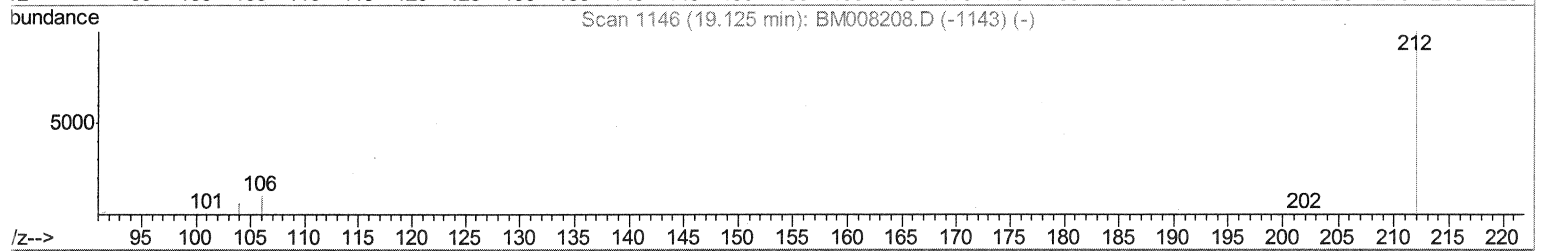
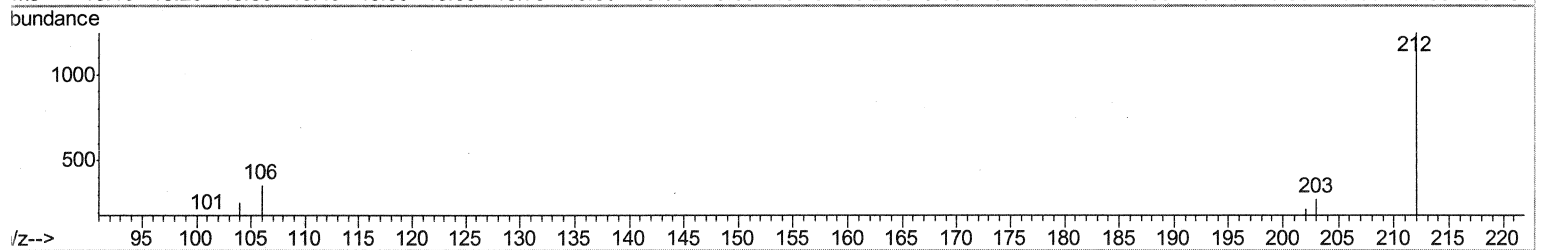
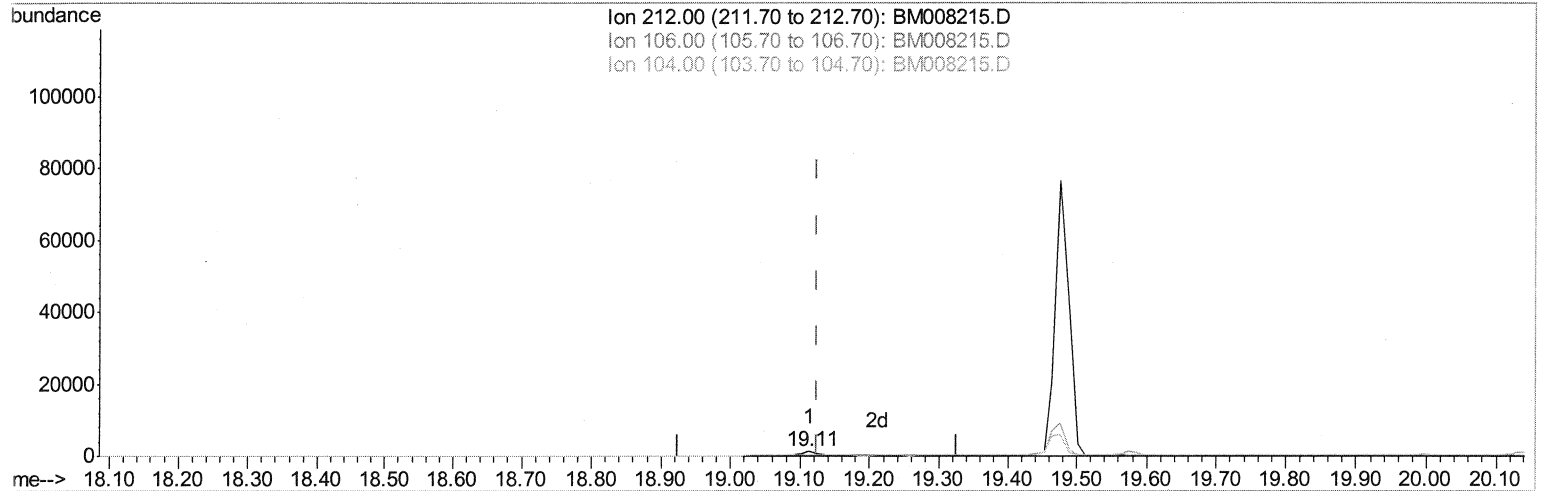
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM120916\  
Data File : BM008215.D  
Acq On : 09 Dec 2016 21:04  
Operator : UM/SJ  
Sample : H5863-12  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA7Y9

Manual Integrations  
APPROVED

UMANGI  
12/12/2016 6:49:32 PM

Quant Time: Dec 10 04:47:37 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 10 04:37:00 2016  
Response via : Initial Calibration



TIC: BM008215.D

(14) Fluoranthene-d10 (SURR)

19.114min (-0.012) 0.22ng/ul m

5J 12/12/16

response 1289

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 212.00 | 100   | 100     |
| 106.00 | 18.30 | 69.67#  |
| 104.00 | 15.60 | 142.75# |
| 0.00   | 0.00  | 0.00    |

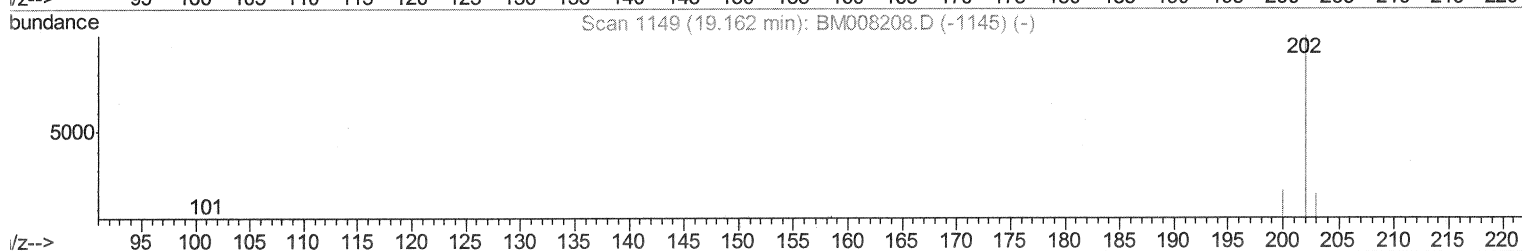
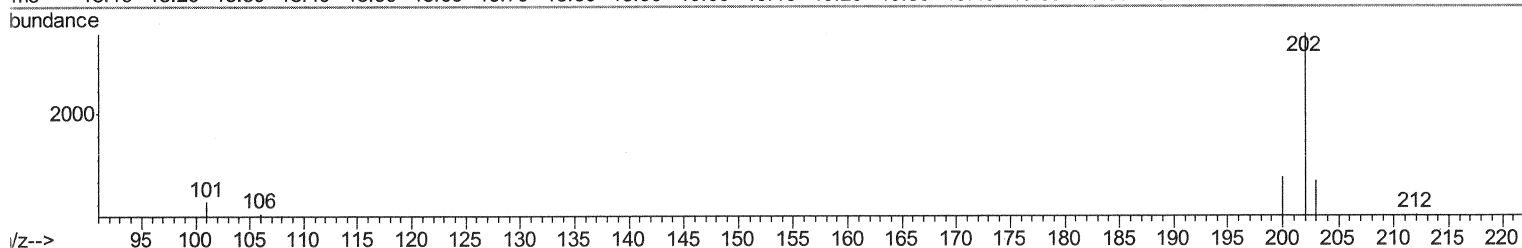
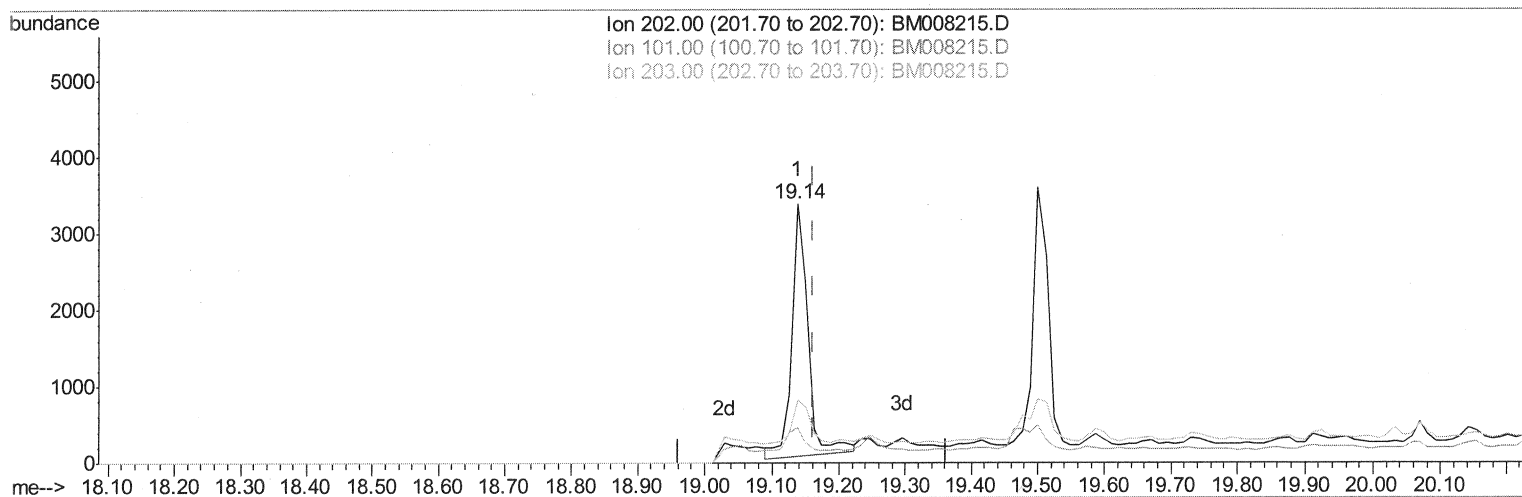
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120916\  
Data File : BM008215.D  
Acq On : 09 Dec 2016 21:04  
Operator : UM/SJ  
Sample : H5863-12  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA7Y9

Manual Integrations  
APPROVED

UMANGI  
12/12/2016 6:49:32 PM

Quant Time: Dec 10 04:42:53 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 10 04:37:00 2016  
Response via : Initial Calibration



TIC: BM008215.D

(15) Fluoranthene (C)

19.138min (-0.024) 0.65ng/ul

response 5502

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.30 | 13.70 |
| 203.00 | 19.50 | 24.42 |
| 0.00   | 0.00  | 0.00  |

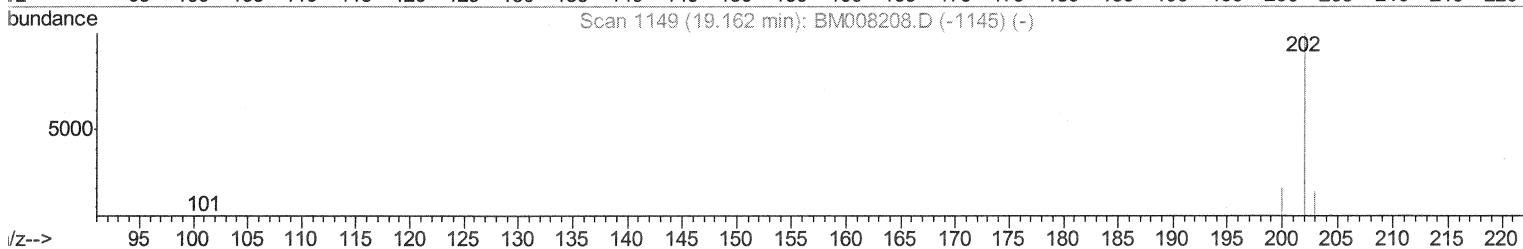
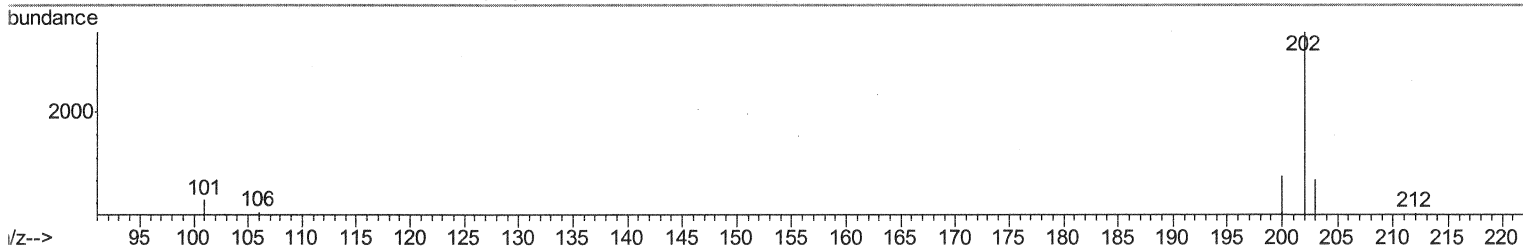
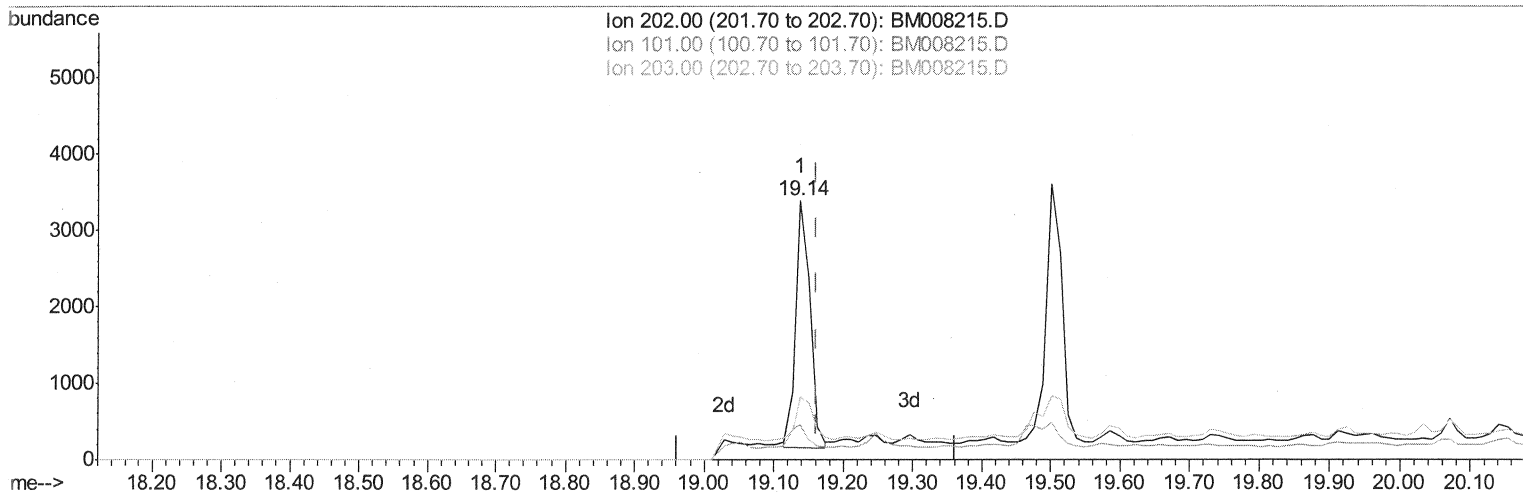
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120916\  
Data File : BM008215.D  
Acq On : 09 Dec 2016 21:04  
Operator : UM/SJ  
Sample : H5863-12  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA7Y9

Manual Integrations  
APPROVED

UMANGI  
12/12/2016 6:49:32 PM

Quant Time: Dec 10 04:42:53 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 10 04:37:00 2016  
Response via : Initial Calibration



TIC: BM008215.D

(15) Fluoranthene (C)

19.138min (-0.024) 0.56ng/ul m

SJ 12/12/16

response 4757

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.30 | 13.70 |
| 203.00 | 19.50 | 24.42 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM120916\  
 Data File : BM008215.D  
 Acq On : 09 Dec 2016 21:04  
 Operator : UM/SJ  
 Sample : H5863-12  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA7Y9

Manual Integrations  
 APPROVED

UMANGI  
 12/12/2016 6:49:32 PM

Quant Time: Dec 12 00:04:04 2016

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Dec 10 04:37:00 2016

Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |             |
|-----------------------------|--------|------|----------|------|--------|----------|-------------|
| Internal Standards          |        |      |          |      |        |          |             |
| 1) 1,4-Dichlorobenzene-d4   | 7.697  | 152  | 563      | 0.40 | ng/ul  | -0.03    |             |
| 2) Naphthalene-d8           | 10.464 | 136  | 1830     | 0.40 | ng/ul  | -0.02    |             |
| 6) Acenaphthene-d10         | 14.314 | 164  | 1239     | 0.40 | ng/ul  | -0.02    |             |
| 10) Phenanthrene-d10        | 17.073 | 188  | 2113m    | 0.40 | ng/ul  | -0.02    | SJ 12/12/16 |
| 16) Chrysene-d12            | 21.276 | 240  | 1907     | 0.40 | ng/ul  | -0.01    |             |
| 20) Perylene-d12            | 23.507 | 264  | 1700     | 0.40 | ng/ul  | -0.02    |             |
| System Monitoring Compounds |        |      |          |      |        |          |             |
| 4) 2-Methylnaphthalene-d10  | 12.049 | 152  | 751      | 0.29 | ng/ul  | -0.05    |             |
| 14) Fluoranthene-d10        | 19.114 | 212  | 1289m    | 0.22 | ng/ul  | -0.01    | SJ 12/12/16 |
| Target Compounds            |        |      |          |      |        |          |             |
|                             |        |      |          |      |        | Qvalue   |             |
| 3) Naphthalene              | 10.512 | 128  | 10296    | 2.01 | ng/ul  | 95       |             |
| 5) 2-Methylnaphthalene      | 12.122 | 142  | 17689    | 5.36 | ng/ul  | 99       |             |
| 8) Acenaphthene             | 14.383 | 153  | 941      | 0.22 | ng/ul# | 91       |             |
| 9) Fluorene                 | 15.376 | 166  | 2138     | 0.44 | ng/ul# | 54       |             |
| 12) Phenanthrene            | 17.108 | 178  | 7989     | 1.21 | ng/ul  | 98       |             |
| 13) Anthracene              | 17.211 | 178  | 1514m    | 0.25 | ng/ul  |          | SJ 12/12/16 |
| 15) Fluoranthene            | 19.138 | 202  | 4757m    | 0.56 | ng/ul  |          |             |
| 17) Pyrene                  | 19.501 | 202  | 5337     | 0.81 | ng/ul  | 93       |             |
| 18) Benzo(a)anthracene      | 21.256 | 228  | 2087     | 0.36 | ng/ul# | 65       |             |
| 19) Chrysene                | 21.308 | 228  | 2202     | 0.30 | ng/ul# | 71       |             |
| 23) Benzo(a)pyrene          | 23.403 | 252  | 1497     | 0.24 | ng/ul# | 61       |             |
| 24) Indeno(1,2,3-cd)pyrene  | 25.748 | 276  | 1834     | 0.23 | ng/ul# | 92       |             |
| 26) Benzo(g,h,i)perylene    | 26.436 | 276  | 2015     | 0.29 | ng/ul# | 87       |             |

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

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