

Data Path : Z:\HPCHEM1\BNA M\DATA\BM070716\  
 Data File : BM006287.D  
 Acq On : 06 Jul 2016 17:49  
 Operator : UM/SJ  
 Sample : H3811-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4TV1

## Manual Integrations

umangi  
 7/7/2016 6:04:30 PM

Quant Time: Jul 07 10:44:44 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 07 05:51:09 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 3828     | 0.40 | ng/ul | 0.00     |
| 4) Naphthalene-d8         | 10.43 | 136  | 15280    | 0.40 | ng/ul | 0.00     |
| 8) Acenaphthene-d10       | 14.30 | 164  | 9051     | 0.40 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.04 | 188  | 19146m   | 0.40 | ng/ul | 0.00     |
| 18) Chrysene-d12          | 21.24 | 240  | 12795    | 0.40 | ng/ul | 0.00     |
| 22) Perylene-d12          | 23.45 | 264  | 9580m    | 0.40 | ng/ul | 0.00     |

|                             |       |     |       |      |       |       |
|-----------------------------|-------|-----|-------|------|-------|-------|
| System Monitoring Compounds |       |     |       |      |       |       |
| 2) 1,4-Dioxane-d8           | 3.17  | 96  | 8749  | 5.41 | ng/uL | 0.00  |
| 6) 2-Methylnaphthalene-d10  | 12.02 | 152 | 6675  | 0.37 | ng/ul | 0.00  |
| 16) Fluoranthene-d10        | 19.07 | 212 | 13542 | 0.34 | ng/ul | -0.01 |

|                            |       |     |        |        |        |    |
|----------------------------|-------|-----|--------|--------|--------|----|
| Target Compounds           |       |     |        | Ovalue |        |    |
| 5) Naphthalene             | 10.48 | 128 | 1209   | 0.03   | ng/ul# | 80 |
| 7) 2-Methylnaphthalene     | 12.09 | 142 | 679    | 0.03   | ng/ul  | 98 |
| 9) Acenaphthylene          | 14.01 | 152 | 1119   | 0.04   | ng/ul# | 88 |
| 17) Fluoranthene           | 19.11 | 202 | 21466  | 0.37   | ng/ul  | 95 |
| 19) Pyrene                 | 19.47 | 202 | 20858  | 0.39   | ng/ul  | 96 |
| 20) Benzo(a)anthracene     | 21.22 | 228 | 7617   | 0.18   | ng/ul# | 92 |
| 21) Chrysene               | 21.27 | 228 | 9786   | 0.24   | ng/ul  | 95 |
| 23) Benzo(b)fluoranthene   | 22.78 | 252 | 13087m | 0.38   | ng/ul  |    |
| 24) Benzo(k)fluoranthene   | 22.83 | 252 | 3342m  | 0.10   | ng/ul  |    |
| 25) Benzo(a)pyrene         | 23.35 | 252 | 7006m  | 0.22   | ng/ul  |    |
| 26) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 5896m  | 0.17   | ng/ul  |    |
| 28) Benzo(g,h,i)perylene   | 26.34 | 276 | 5737m  | 0.19   | ng/ul  |    |

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

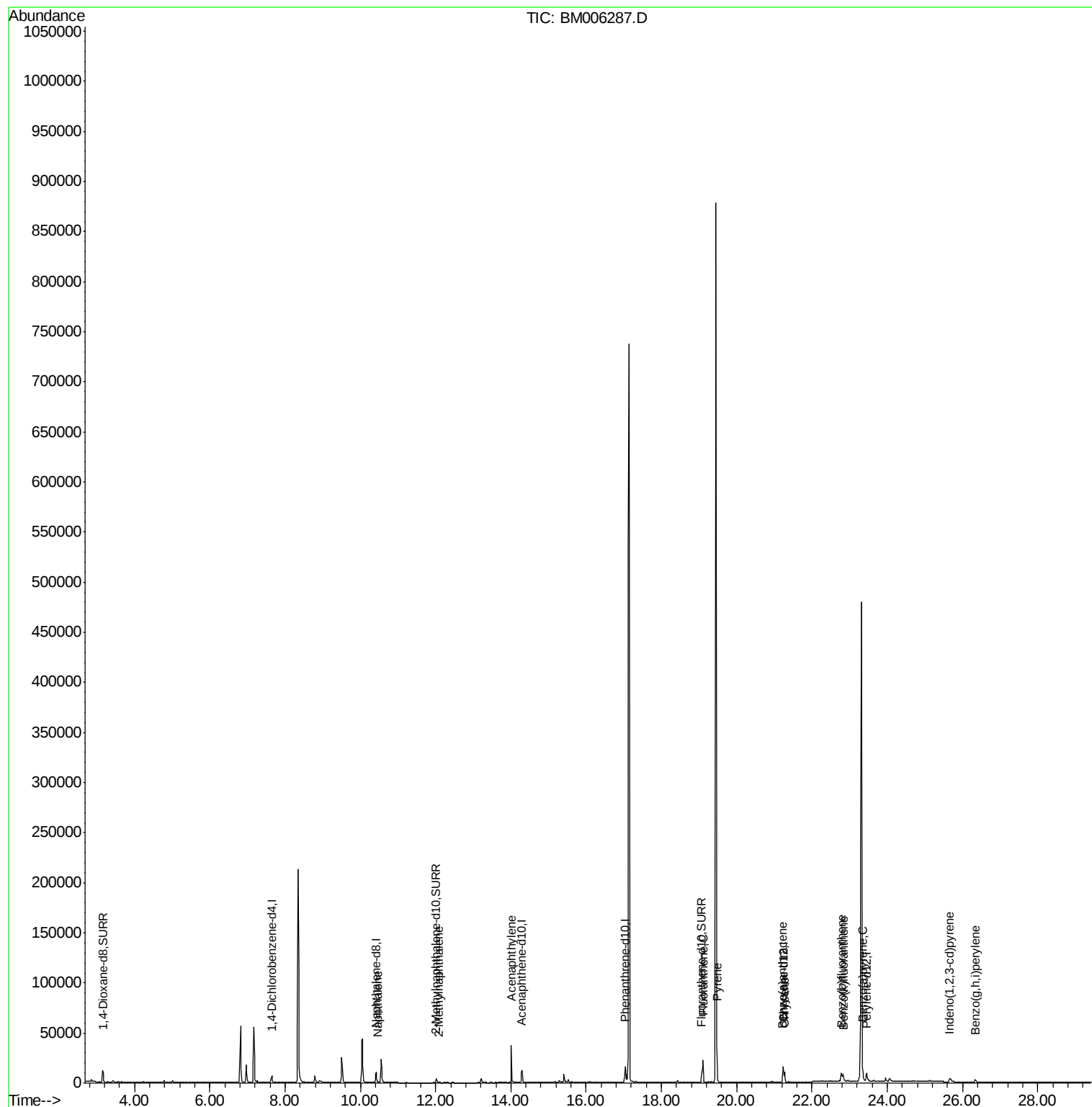
Data Path : Z:\HPCHEM1\BNA M\DATA\BM070716\  
Data File : BM006287.D  
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Operator : UM/SJ  
Sample : H3811-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

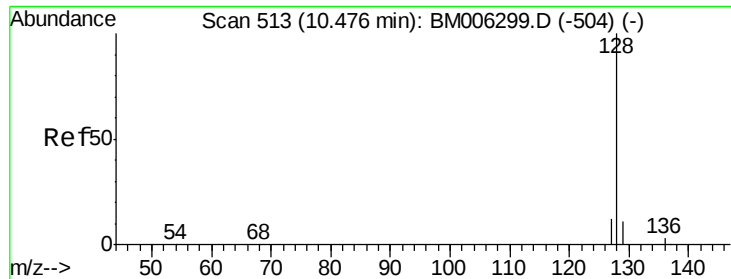
Instrument :  
BNA\_M  
ClientSampleId :  
A4TV1

## Manual Integrations

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Quant Time: Jul 07 10:44:44 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 07 05:51:09 2016  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

Instrument :

BNA\_M

ClientSampleId :

A4TV1

Tot Ion:128 Resp: 1209

Ion Ratio Lower Upper

128 100

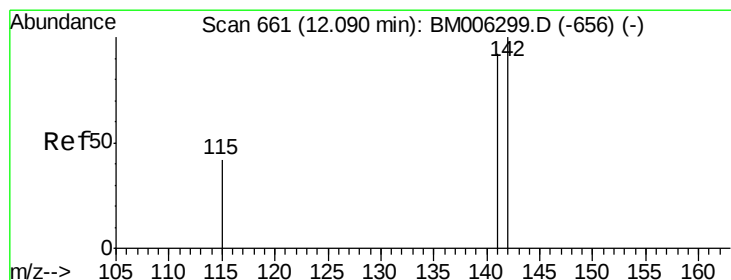
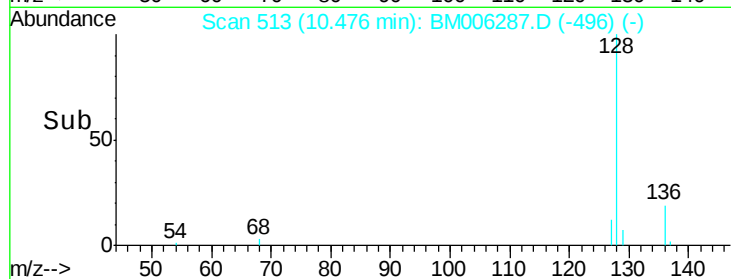
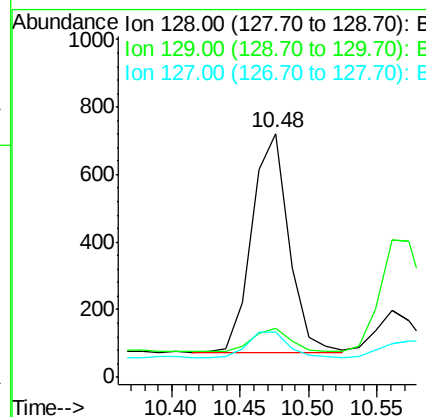
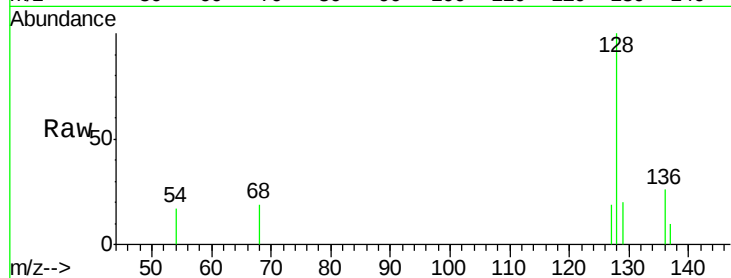
129 20.2 9.0 13.6#

127 18.7 9.6 14.4#

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#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006287.D

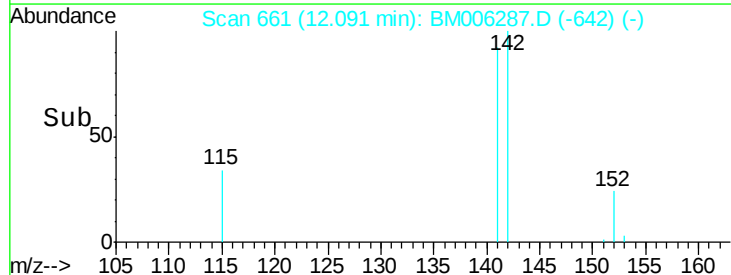
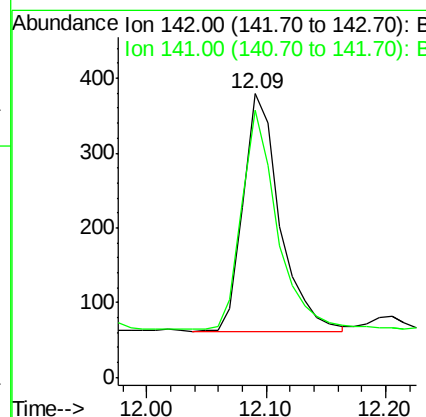
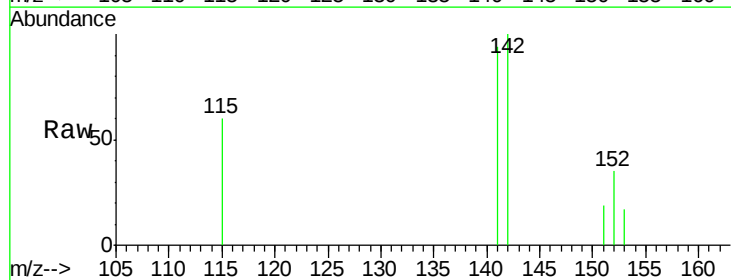
Acq: 06 Jul 2016 17:49

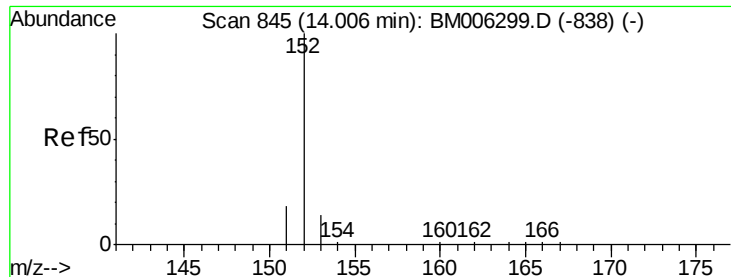
Tgt Ion:142 Resp: 679

Ion Ratio Lower Upper

142 100

141 89.8 70.3 105.5





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

Instrument :

BNA\_M

ClientSampleId :

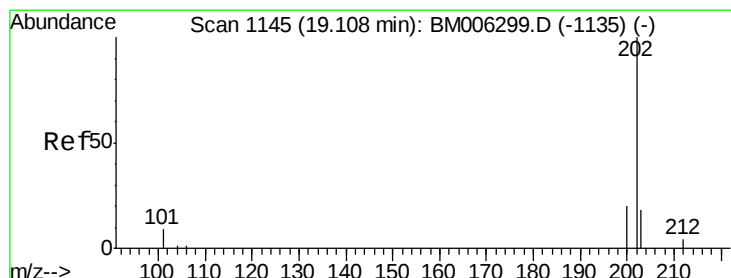
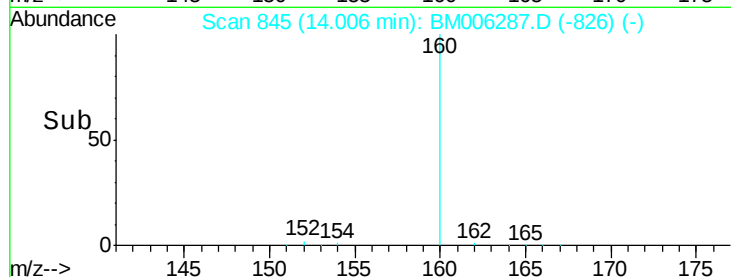
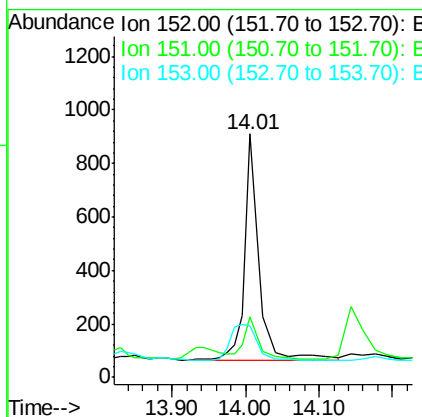
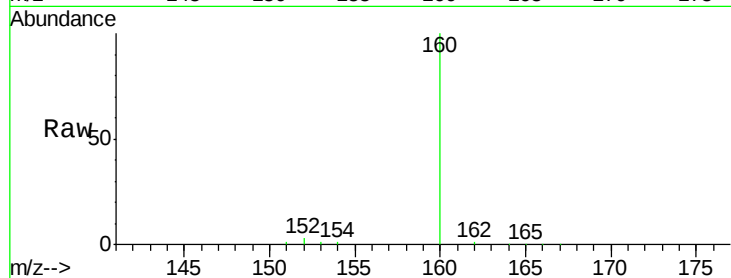
A4TV1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 1119  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 24.7  | 17.6  | 26.4  |
| 153      | 21.0  | 9.7   | 14.5  |

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#17

Fluoranthene

Concen: 0.37 ng/ul

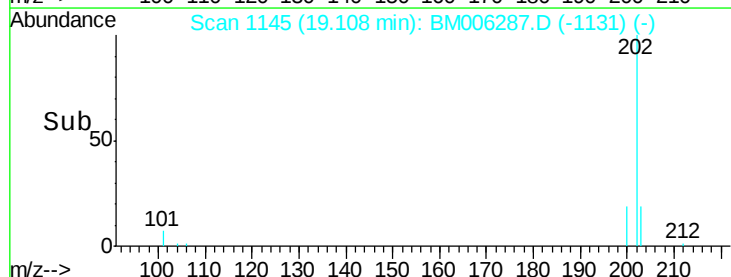
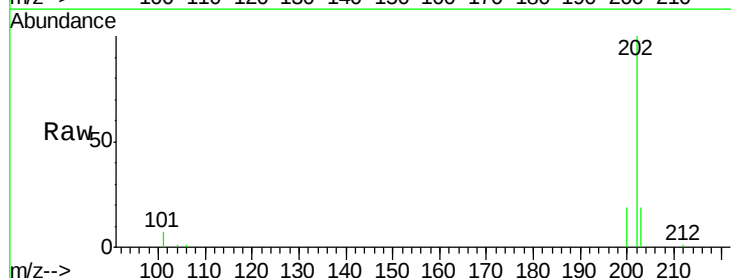
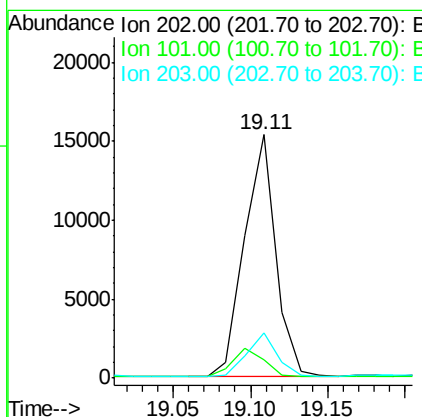
RT: 19.11 min Scan# 1145

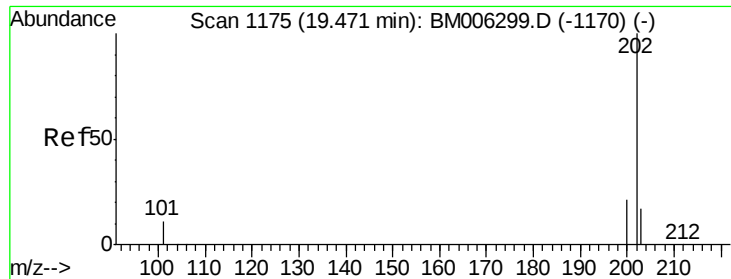
Delta R.T. 0.00 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 21466 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 7.5   | 0.0   | 29.6  |
| 203      | 18.6  | 0.0   | 36.3  |





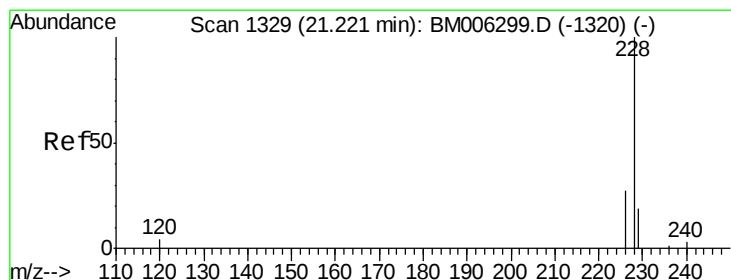
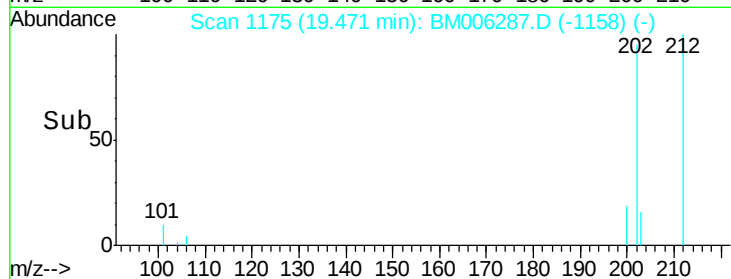
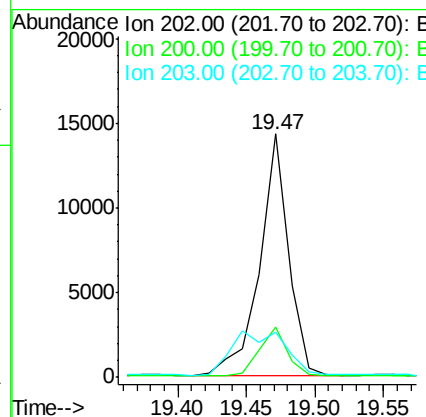
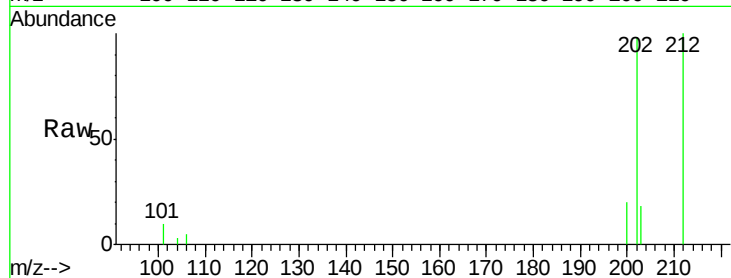
#19  
Pvrene  
Concen: 0.39 ng/ul  
RT: 19.47 min Scan# 1175  
Delta R.T. 0.00 min  
Lab File: BM006287.D  
Acq: 06 Jul 2016 17:49

Instrument :  
BNA\_M  
ClientSampleId :  
A4TV1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.6  | 17.8  | 26.8  |
| 203     | 18.4  | 12.8  | 19.2  |

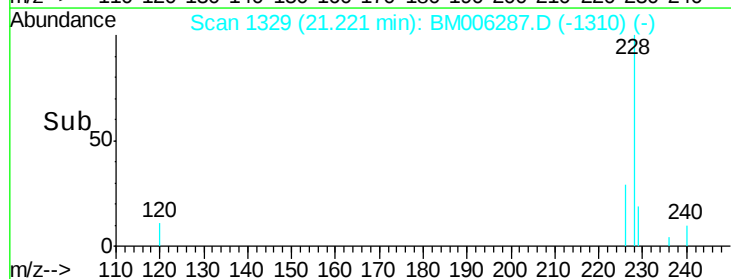
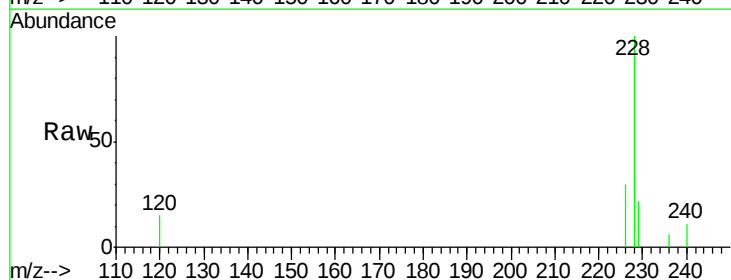
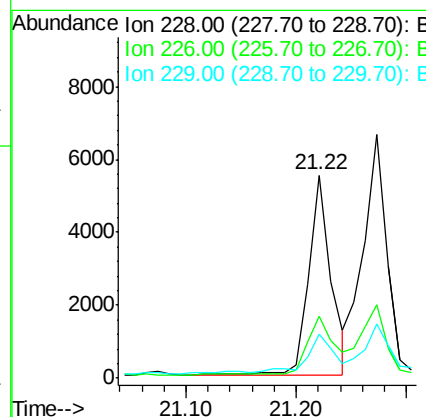
Manual Integrations

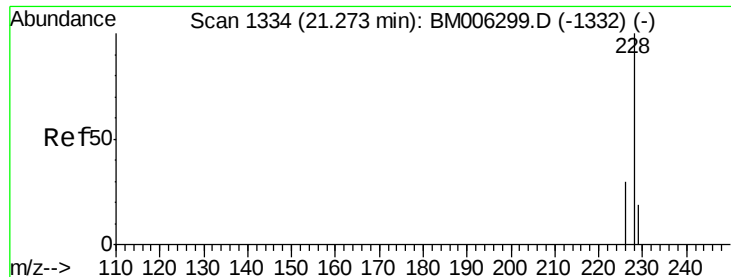
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#20  
Benzo(a)anthracene  
Concen: 0.18 ng/ul  
RT: 21.22 min Scan# 1329  
Delta R.T. 0.00 min  
Lab File: BM006287.D  
Acq: 06 Jul 2016 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.4  | 18.8  | 28.2# |
| 229     | 21.8  | 17.1  | 25.7  |





#21

Chrysene

Concen: 0.24 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

Instrument :

BNA\_M

ClientSampleId :

A4TV1

Tot Ion:228 Resp: 9786

Ion Ratio Lower Upper

228 100

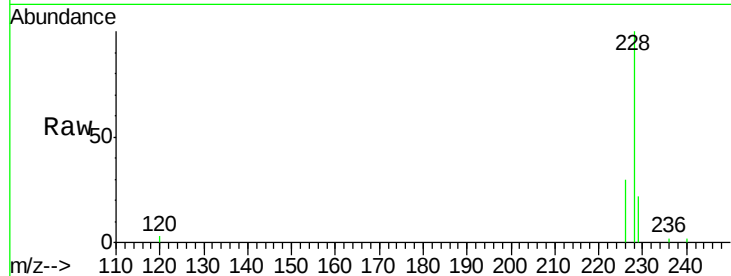
226 30.3 21.2 31.8

229 22.2 17.0 25.6

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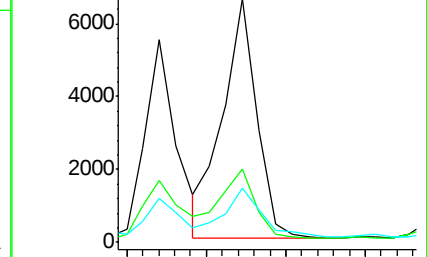
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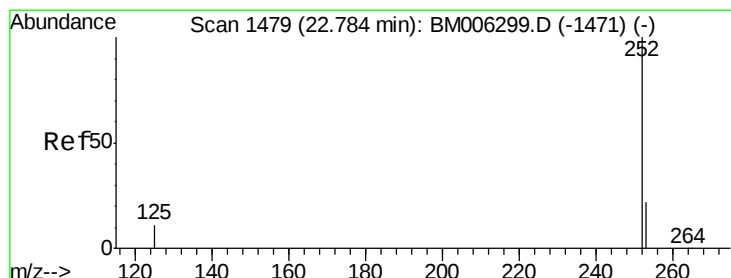
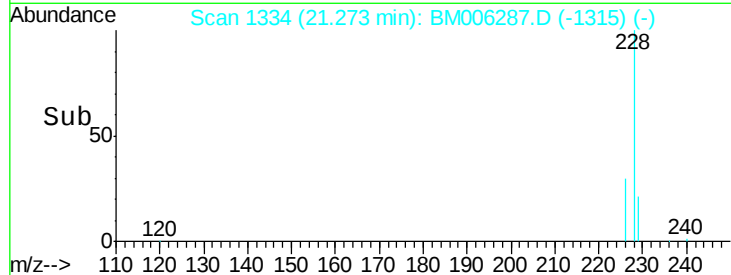
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.20 21.25 21.30 21.35



#23

Benzo(b)fluoranthene

Concen: 0.38 ng/ul m

RT: 22.78 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006287.D

Acq: 06 Jul 2016 17:49

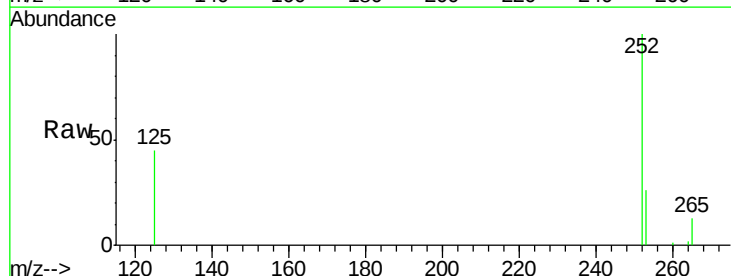
Tgt Ion:252 Resp: 13087

Ion Ratio Lower Upper

252 100

253 26.4 0.0 45.4

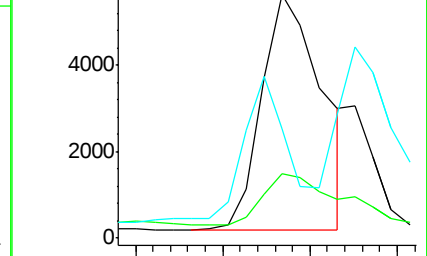
125 44.9 0.0 28.8#



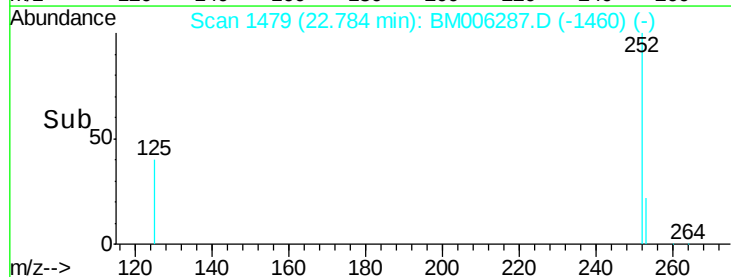
Abundance Ion 252.00 (251.70 to 252.70): E

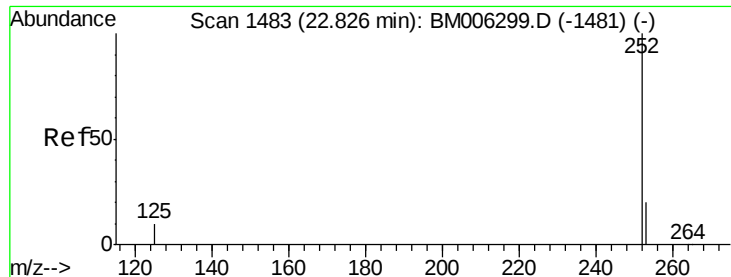
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.70 22.75 22.80





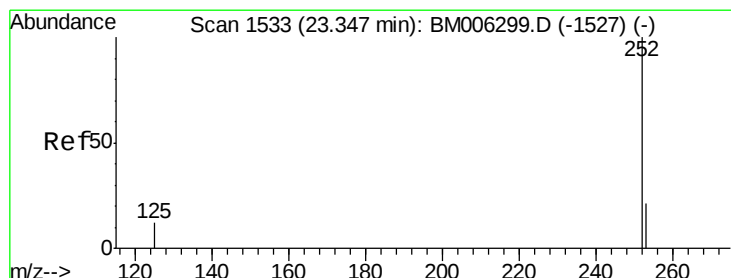
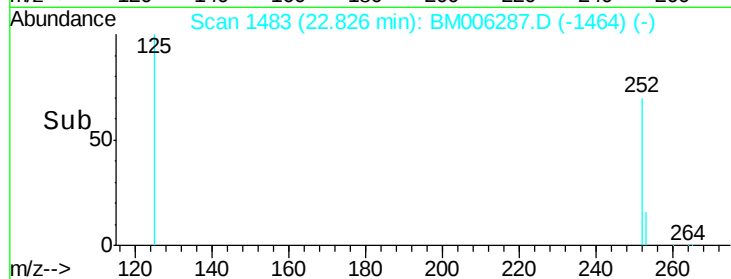
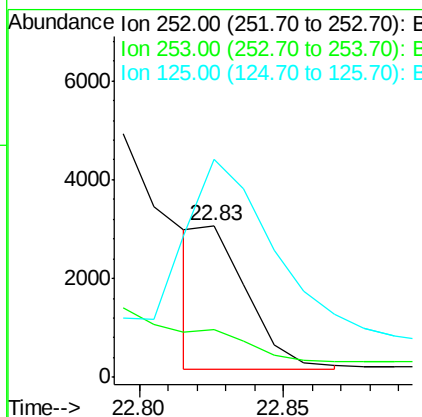
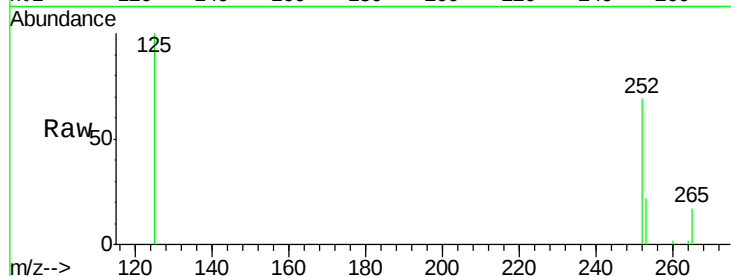
#24  
Benzo(k)fluoranthene  
Concen: 0.10 ng/ul m  
RT: 22.83 min Scan# 1483  
Delta R.T. 0.00 min  
Lab File: BM006287.D  
Acq: 06 Jul 2016 17:49

Instrument :  
BNA\_M  
ClientSampleId :  
A4TV1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 31.3  | 19.8  | 29.8# |
| 125     | 144.1 | 10.4  | 15.6# |

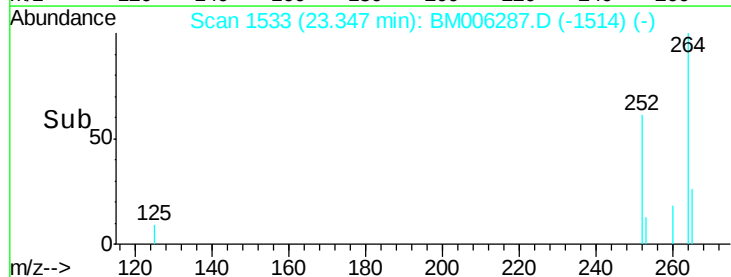
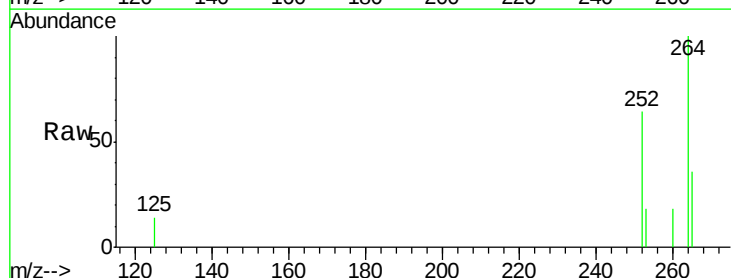
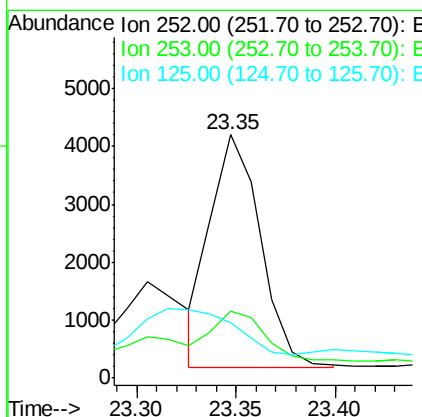
Manual Integrations

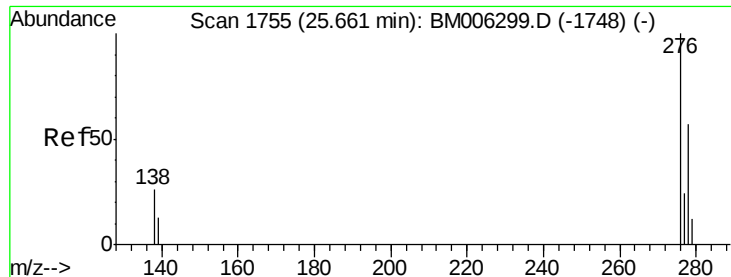
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#25  
Benzo(a)pyrene  
Concen: 0.22 ng/ul m  
RT: 23.35 min Scan# 1533  
Delta R.T. 0.00 min  
Lab File: BM006287.D  
Acq: 06 Jul 2016 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.6  | 19.4  | 29.2  |
| 125     | 22.7  | 12.7  | 19.1# |





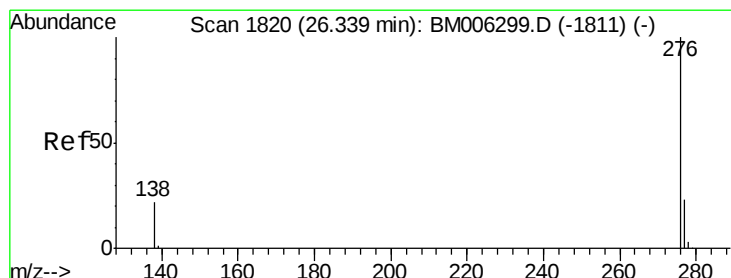
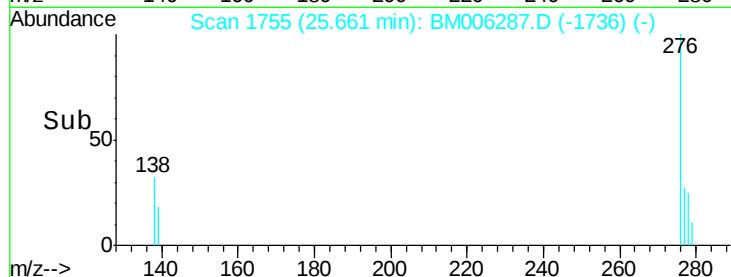
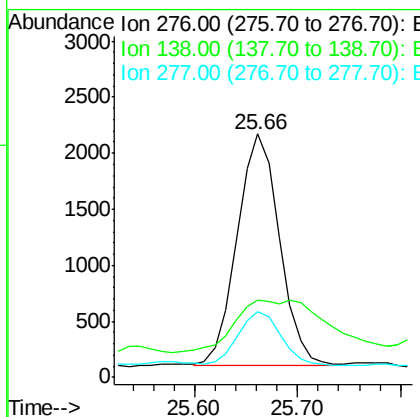
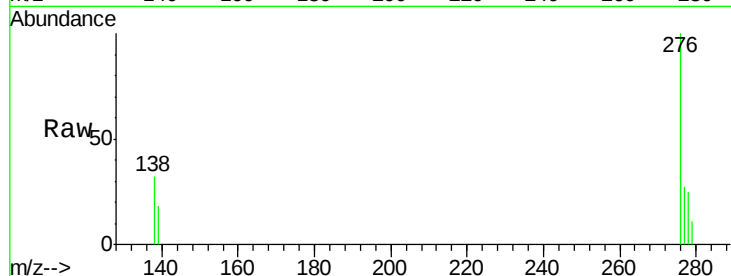
#26  
Indeno(1,2,3-cd)pyrene  
Concen: 0.17 ng/ul m  
RT: 25.66 min Scan# 1755  
Delta R.T. 0.00 min  
Lab File: BM006287.D  
Acq: 06 Jul 2016 17:49

Instrument :  
BNA\_M  
ClientSampleId :  
A4TV1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.0   | 16.3  | 24.5# |
| 277     | 6.2   | 19.8  | 29.8# |

Manual Integrations

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#28  
Benzo(g,h,i)perylene  
Concen: 0.19 ng/ul m  
RT: 26.34 min Scan# 1820  
Delta R.T. 0.00 min  
Lab File: BM006287.D  
Acq: 06 Jul 2016 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 27.6  | 18.9  | 28.3  |
| 138     | 30.3  | 22.5  | 33.7  |

