

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM102418\  
 Data File : BM017323.D  
 Acq On : 24 Oct 2018 18:39  
 Operator : MJ/SJ  
 Sample : J5598-11  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AD5

Manual Integrations  
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 10/25/2018 3:33:58 PM

Quant Time: Oct 25 02:10:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 25 01:24:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 265679   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 1197543  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.30 | 164  | 725590   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.05 | 188  | 1733543  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.24 | 240  | 2121258  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.46 | 264  | 2398592  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 22368   | 3.87  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.84  | 99  | 539148  | 22.21 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 327813  | 23.16 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 428970  | 22.80 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 445558  | 23.22 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.81  | 128 | 216344  | 23.11 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.53  | 143 | 245754  | 23.41 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 426351  | 21.87 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.57 | 131 | 570189  | 35.83 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.72 | 166 | 1662938 | 26.73 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.99 | 160 | 1880284 | 24.89 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.52 | 143 | 249942  | 21.50 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.30 | 176 | 1387508 | 25.68 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 255545  | 21.16 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.15 | 188 | 2338189 | 27.25 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.45 | 212 | 2872647 | 29.23 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.32 | 264 | 3656034 | 28.86 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |              | Qvalue |
|----------------------------|-------|-----|---------|--------------|--------|
| 6) Phenol                  | 6.86  | 94  | 154339  | 6.405 ng/ul  | 97     |
| 45) Dimethylphthalate      | 13.76 | 163 | 396263  | 6.573 ng/ul  | 100    |
| 77) Fluoranthene           | 19.11 | 202 | 334920  | 2.935 ng/ul  | 98     |
| 80) Pyrene                 | 19.47 | 202 | 529222  | 4.296 ng/ul  | 99     |
| 83) Benzo(a)anthracene     | 21.23 | 228 | 278001  | 2.142 ng/ul  | 97     |
| 85) Chrysene               | 21.28 | 228 | 353430  | 2.863 ng/ul  | 97     |
| 88) Benzo(b)fluoranthene   | 22.80 | 252 | 876038  | 6.239 ng/ul# | 97     |
| 89) Benzo(k)fluoranthene   | 22.83 | 252 | 225486m | 1.644 ng/ul  |        |
| 91) Benzo(a)pyrene         | 23.36 | 252 | 323306  | 2.357 ng/ul  | 99     |
| 92) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 265904  | 1.593 ng/ul  | 97     |
| 94) Benzo(g,h,i)perylene   | 26.33 | 276 | 197462  | 1.393 ng/ul  | 97     |

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

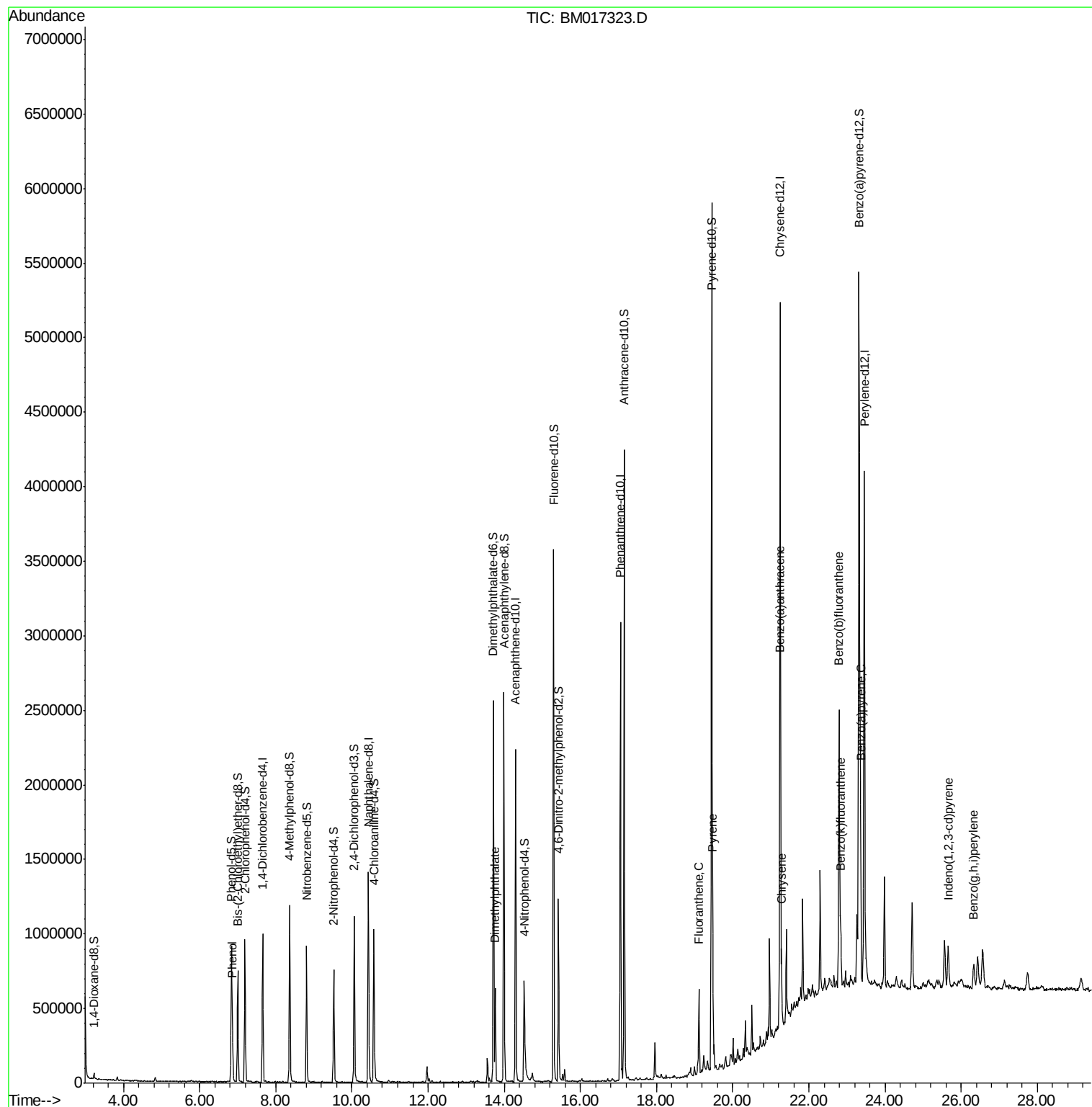
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM102418\  
Data File : BM017323.D  
Acq On : 24 Oct 2018 18:39  
Operator : MJ/SJ  
Sample : J5598-11  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

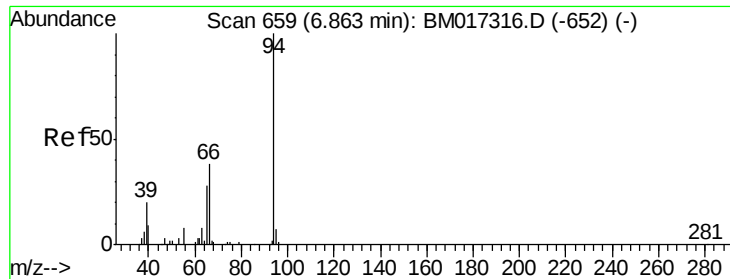
Instrument :  
BNA\_M  
ClientSampleID :  
C0AD5

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Quant Time: Oct 25 02:10:00 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102418MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 25 01:24:17 2018  
Response via : Initial Calibration





#6

Phenol

Concen: 6.405 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM017323.D

Acq: 24 Oct 2018 18:39

Instrument :

BNA\_M

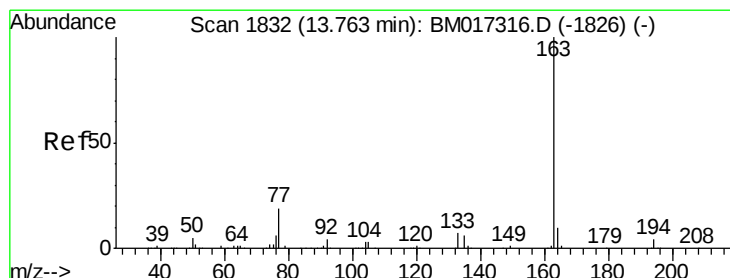
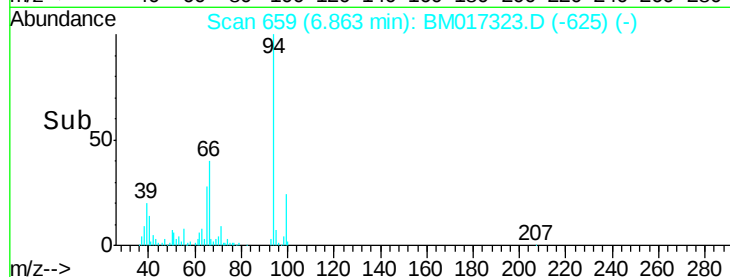
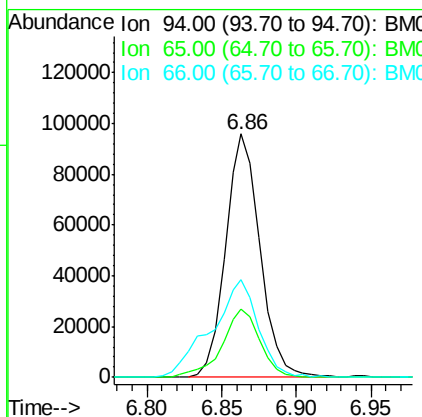
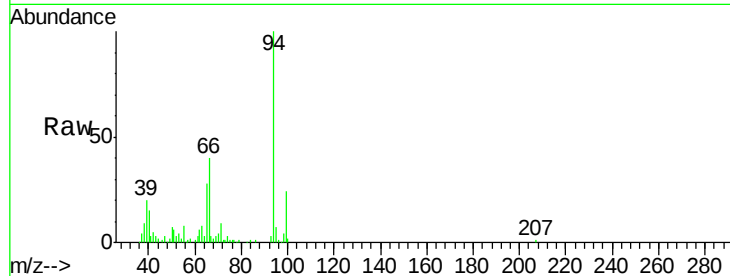
ClientSampleId :

C0AD5

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 154339 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 27.9  | 24.0  | 36.0   |
| 66       | 40.2  | 31.1  | 46.7   |

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#45

Dimethylphthalate

Concen: 6.573 ng/ul

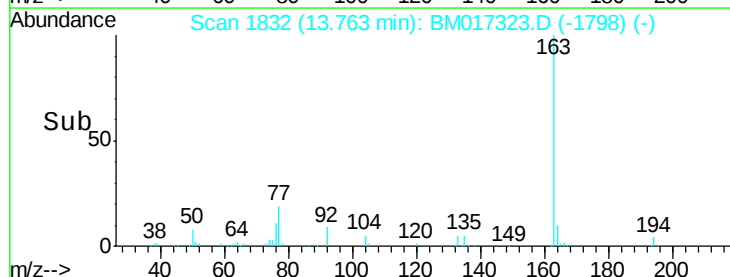
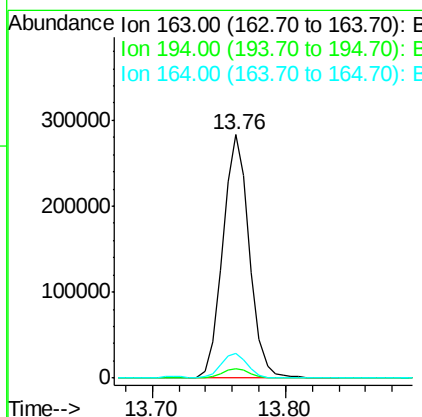
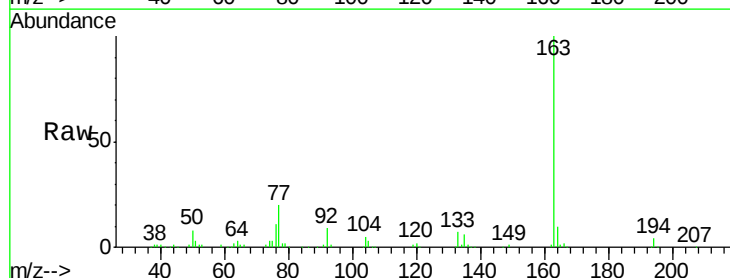
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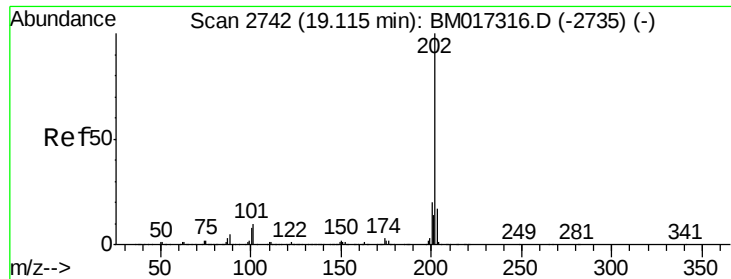
Delta R.T. 0.00 min

Lab File: BM017323.D

Acq: 24 Oct 2018 18:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 396263 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 3.9   | 3.2   | 4.8    |
| 164      | 10.1  | 8.1   | 12.1   |





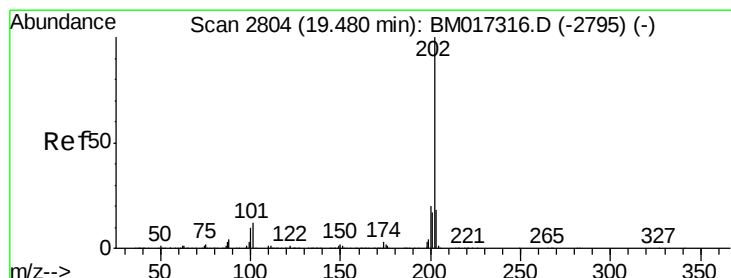
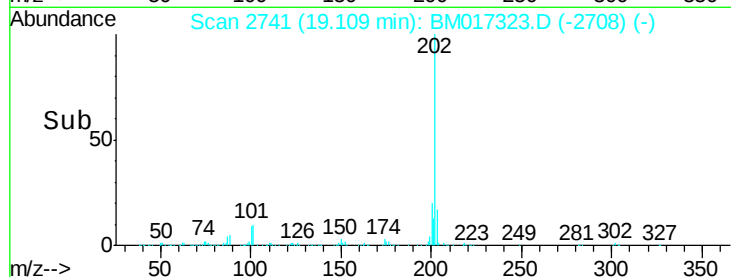
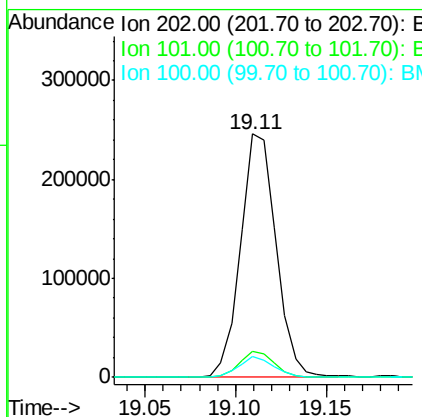
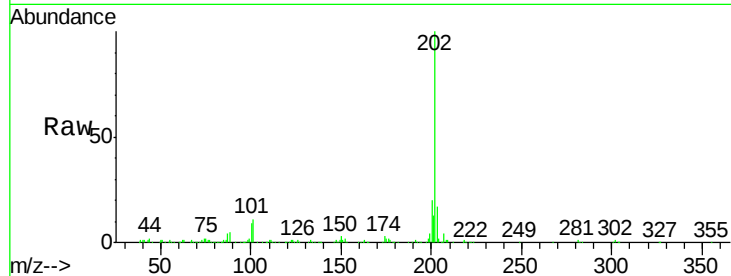
#77  
**Fluoranthene**  
 Concen: 2.935 ng/ul  
 RT: 19.11 min Scan# 2741  
 Delta R.T. -0.01 min  
 Lab File: BM017323.D  
 Acq: 24 Oct 2018 18:39

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AD5

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 202 | 100  |       | 334920 |       |       |
| 101 | 10.6 | 8.2   | 12.4   |       |       |
| 100 | 8.8  | 6.3   | 9.5    |       |       |

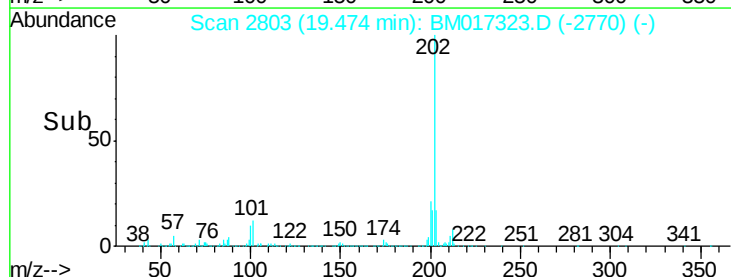
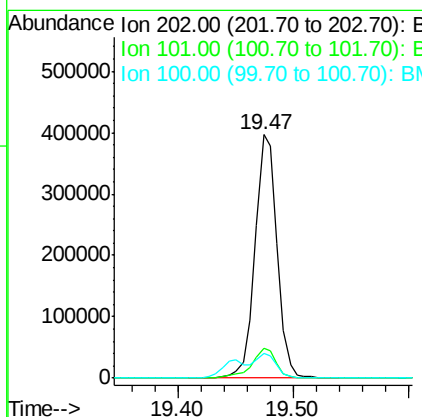
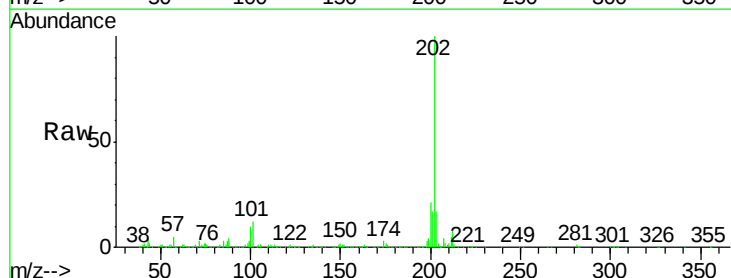
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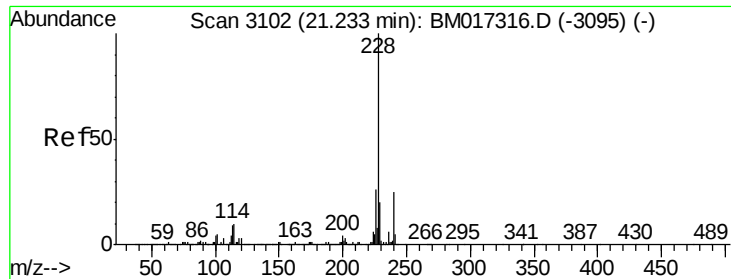
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#80  
**Pyrene**  
 Concen: 4.296 ng/ul  
 RT: 19.47 min Scan# 2803  
 Delta R.T. -0.01 min  
 Lab File: BM017323.D  
 Acq: 24 Oct 2018 18:39

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 202 | 100  |       | 529222 |       |       |
| 101 | 12.1 | 9.5   | 14.3   |       |       |
| 100 | 10.3 | 8.1   | 12.1   |       |       |





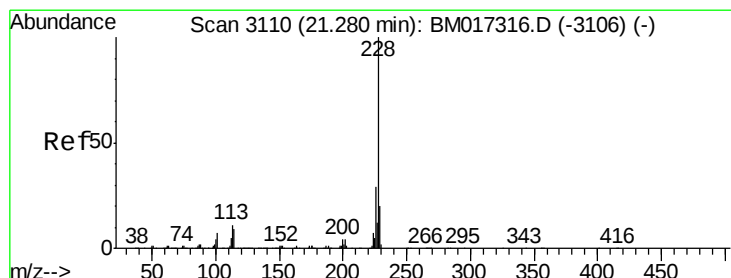
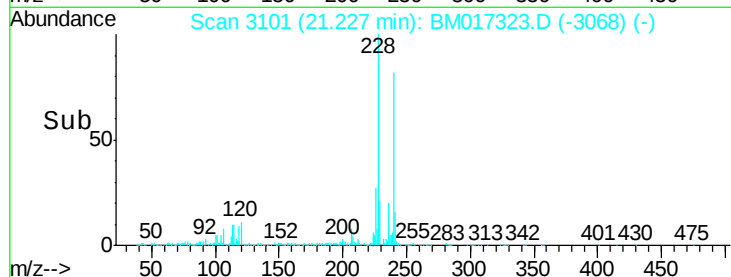
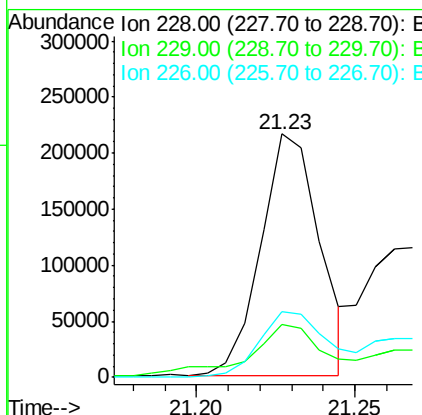
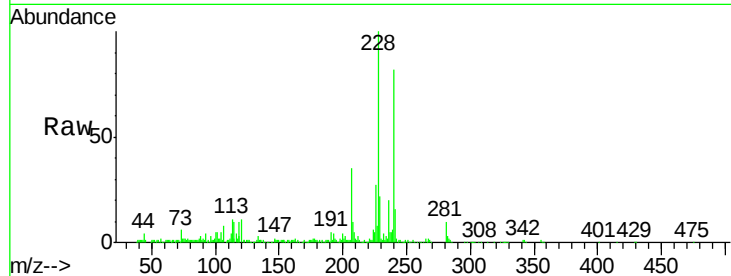
#83  
Benzo(a)anthracene  
Concen: 2.142 ng/ul  
RT: 21.23 min Scan# 3101  
Delta R.T. -0.01 min  
Lab File: BM017323.D  
Acq: 24 Oct 2018 18:39

Instrument :  
BNA\_M  
ClientSampled :  
C0AD5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 21.6  | 15.6  | 23.4  |
| 226     | 27.0  | 20.8  | 31.2  |

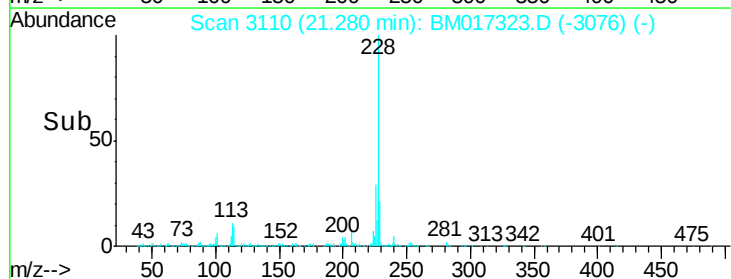
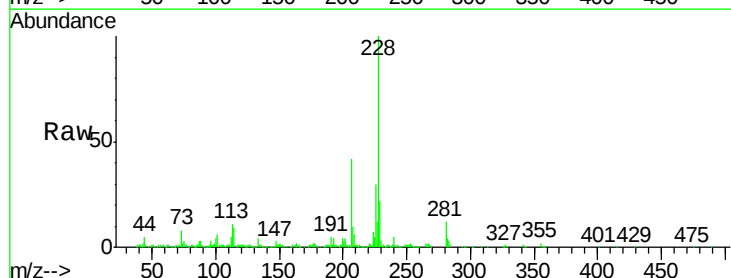
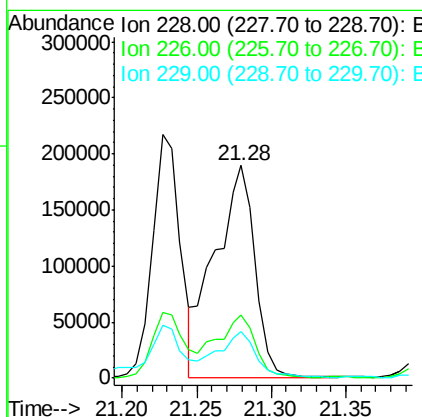
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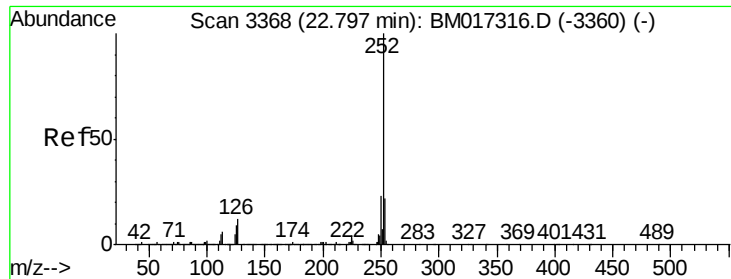
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#85  
Chrysene  
Concen: 2.863 ng/ul  
RT: 21.28 min Scan# 3110  
Delta R.T. 0.00 min  
Lab File: BM017323.D  
Acq: 24 Oct 2018 18:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.8  | 23.3  | 34.9  |
| 229     | 21.6  | 15.6  | 23.4  |





#88

Benzo(b)fluoranthene

Concen: 6.239 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. 0.00 min

Lab File: BM017323.D

Acq: 24 Oct 2018 18:39

Instrument :

BNA\_M

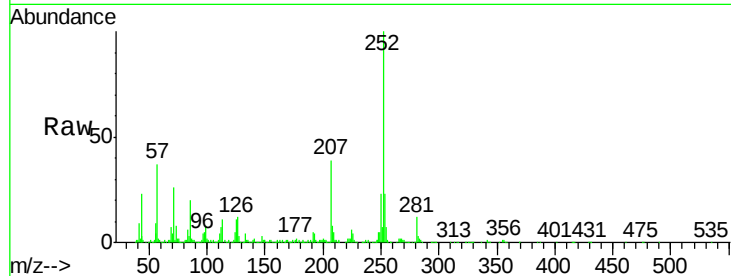
ClientSampled :

C0AD5

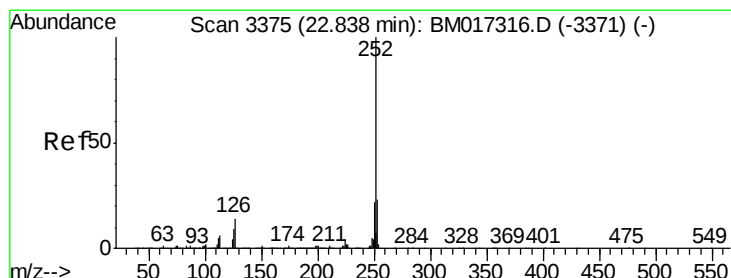
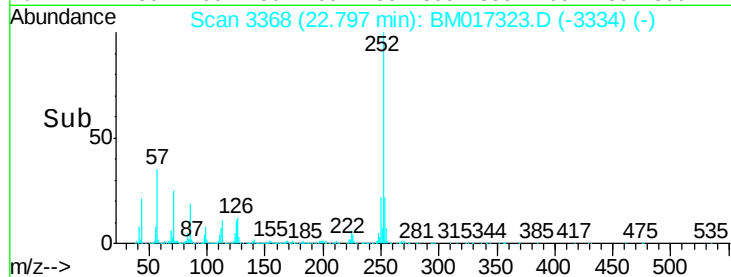
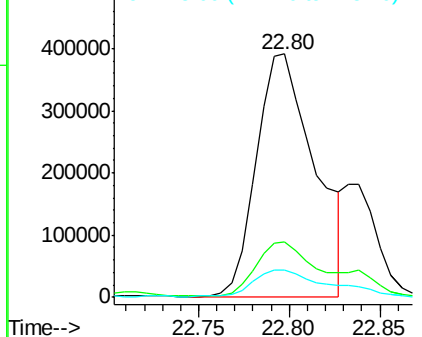
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|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 876038 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.6  | 17.6  | 26.4   |
| 125       | 11.3  | 7.2   | 10.8   |

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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



#89

Benzo(k)fluoranthene

Concen: 1.644 ng/ul m

RT: 22.83 min Scan# 3374

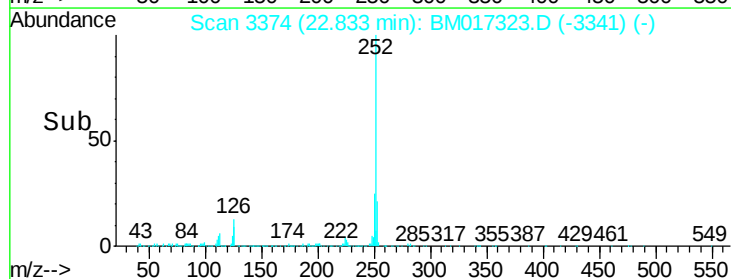
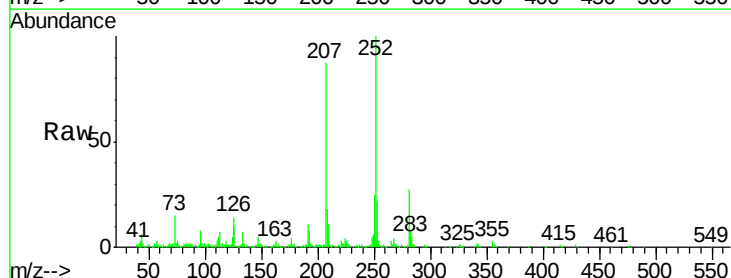
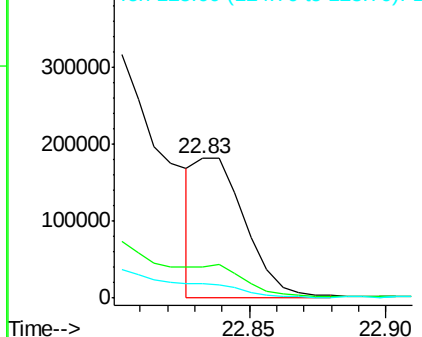
Delta R.T. -0.01 min

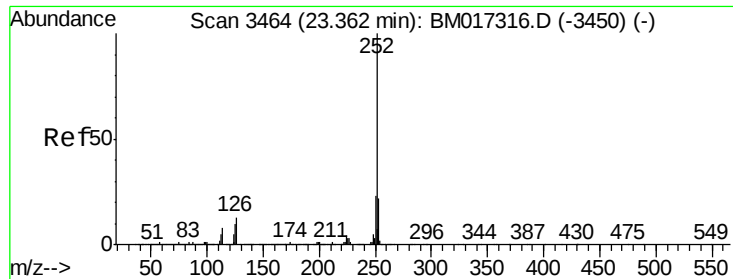
Lab File: BM017323.D

Acq: 24 Oct 2018 18:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 225486 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.4  | 17.7  | 26.5   |
| 125       | 10.5  | 7.8   | 11.6   |

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





#91

Benzo(a)pyrene

Concen: 2.357 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BM017323.D

Acq: 24 Oct 2018 18:39

Instrument :

BNA\_M

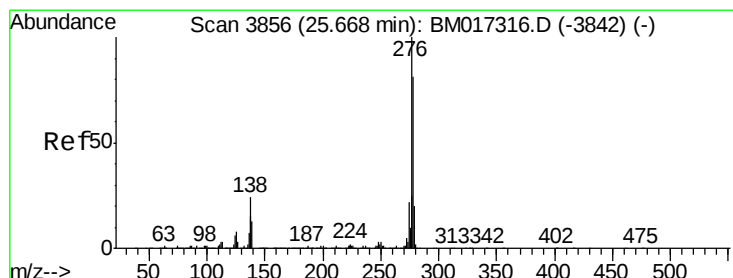
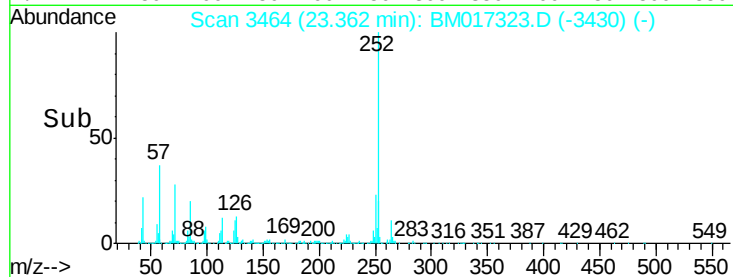
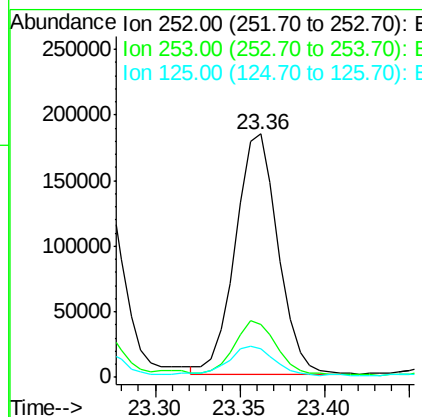
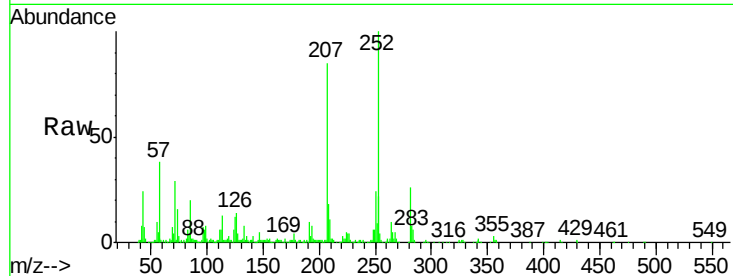
ClientSampled :

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| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 323306 |       |       |
| 253     | 22.0  | 17.6   | 26.4  |       |
| 125     | 11.8  | 8.3    | 12.5  |       |

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#92

Indeno(1,2,3-cd)pyrene

Concen: 1.593 ng/ul

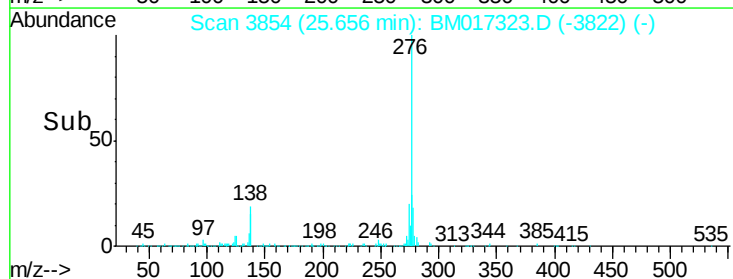
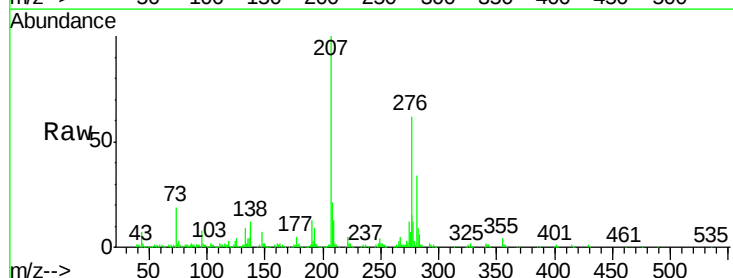
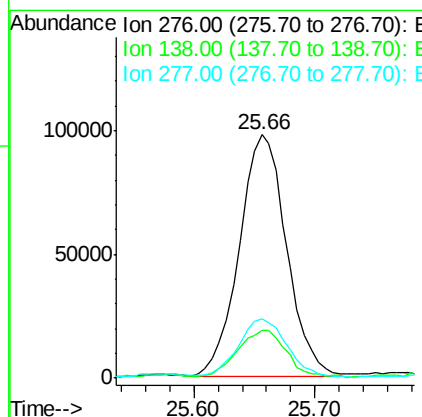
RT: 25.66 min Scan# 3854

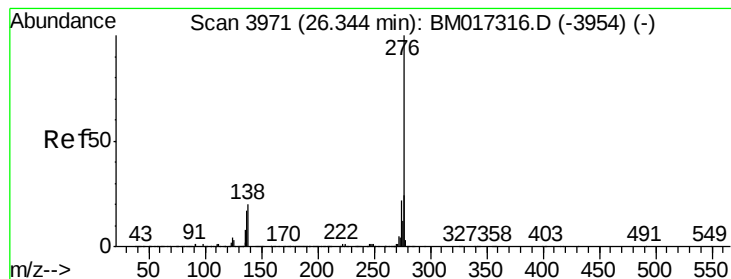
Delta R.T. -0.01 min

Lab File: BM017323.D

Acq: 24 Oct 2018 18:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 265904 |       |       |
| 138     | 19.8  | 18.1   | 27.1  |       |
| 277     | 24.6  | 19.6   | 29.4  |       |





#94

Benzo(g,h,i)perylene

Concen: 1.393 ng/ul

RT: 26.33 min Scan# 3968

Delta R.T. -0.02 min

Lab File: BM017323.D

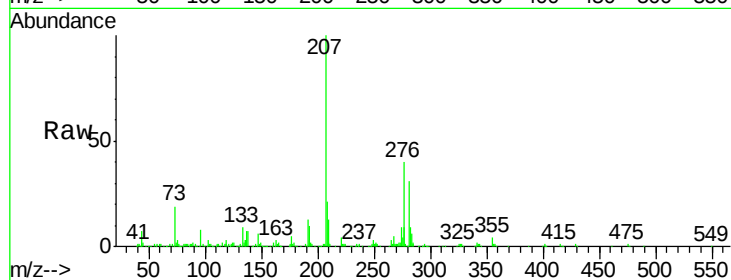
Acq: 24 Oct 2018 18:39

Instrument :

BNA\_M

ClientSampleId :

C0AD5



|     |       |      |       |        |
|-----|-------|------|-------|--------|
| Tgt | Ion   | 276  | Resp  | 197462 |
|     | Ratio | 100  | Lower | Upper  |
|     | 276   | 100  |       |        |
|     | 138   | 18.5 | 16.6  | 25.0   |
|     | 277   | 23.3 | 18.9  | 28.3   |

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