

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\  
 Data File : BM014346.D  
 Acq On : 24 Feb 2018 00:19  
 Operator : SJ/JU  
 Sample : J1631-10 10X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Feb 24 01:28:49 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 23 23:12:42 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 144583   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.29 | 136  | 660713   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.18 | 164  | 392387   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.94 | 188  | 835492   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.15 | 240  | 673993   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.32 | 264  | 564025   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.10  | 96  | 976    | 0.29 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.79  | 99  | 568    | 0.05 | ng/ul | 0.06 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.88  | 67  | 18384  | 2.49 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.07  | 132 | 27188  | 2.90 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.26  | 113 | 22464  | 2.10 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5            | 8.70  | 128 | 13694  | 2.80 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4           | 9.41  | 143 | 14967  | 2.96 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 16517  | 1.58 | ng/ul | 0.04 |
| 29) 4-Chloroaniline-d4         | 10.50 | 131 | 9359   | 0.91 | ng/ul | 0.05 |
| 43) Dimethylphthalate-d6       | 13.60 | 166 | 110023 | 3.40 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.87 | 160 | 137506 | 3.44 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.51 | 143 | 138    | 0.03 | ng/ul | 0.08 |
| 57) Fluorene-d10               | 15.19 | 176 | 95751  | 3.30 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 3523   | 0.70 | ng/ul | 0.02 |
| 70) Anthracene-d10             | 17.04 | 188 | 142709 | 3.54 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.34 | 212 | 151633 | 4.36 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.18 | 264 | 104517 | 3.81 | ng/ul | 0.00 |

## Target Compounds

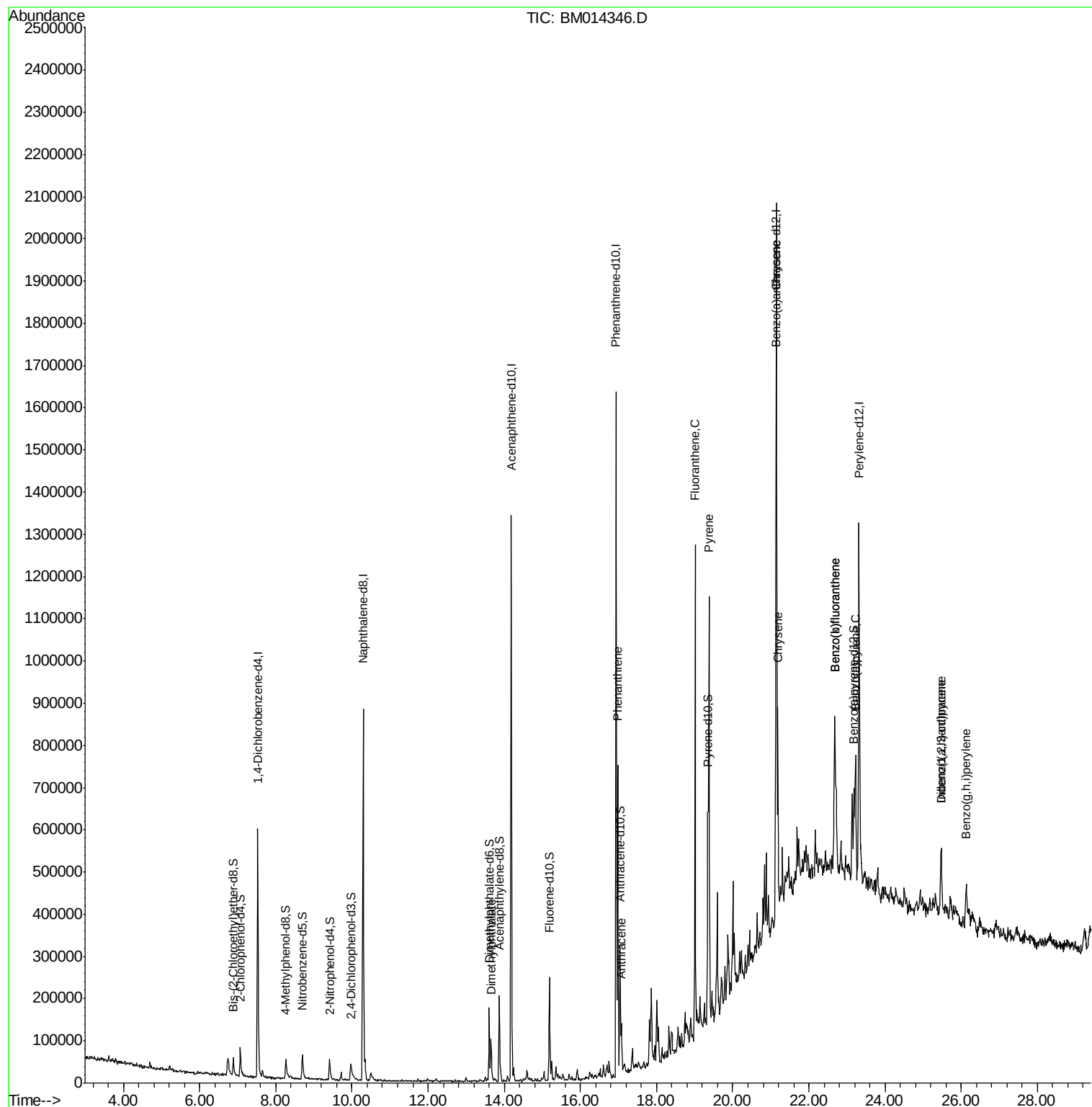
|                            |       |     |        |        | Ovalue |    |
|----------------------------|-------|-----|--------|--------|--------|----|
| 44) Dimethylphthalate      | 13.66 | 163 | 63616  | 1.991  | ng/ul# | 95 |
| 69) Phenanthrene           | 16.98 | 178 | 397718 | 8.262  | ng/ul  | 99 |
| 71) Anthracene             | 17.08 | 178 | 70152  | 1.449  | ng/ul  | 99 |
| 74) Fluoranthene           | 19.01 | 202 | 623748 | 10.846 | ng/ul# | 95 |
| 77) Pyrene                 | 19.37 | 202 | 544864 | 12.164 | ng/ul# | 94 |
| 80) Benzo(a)anthracene     | 21.13 | 228 | 264611 | 6.291  | ng/ul  | 97 |
| 82) Chrysene               | 21.19 | 228 | 236812 | 6.035  | ng/ul  | 97 |
| 85) Benzo(b)fluoranthene   | 22.67 | 252 | 281785 | 7.461  | ng/ul# | 99 |
| 86) Benzo(k)fluoranthene   | 22.67 | 252 | 281785 | 7.848  | ng/ul# | 97 |
| 88) Benzo(a)pyrene         | 23.23 | 252 | 191590 | 5.677  | ng/ul# | 96 |
| 89) Indeno(1,2,3-cd)pyrene | 25.48 | 276 | 132041 | 4.032  | ng/ul# | 94 |
| 90) Dibenzo(a,h)anthracene | 25.47 | 278 | 35837  | 1.317  | ng/ul# | 69 |
| 91) Benzo(g,h,i)perylene   | 26.13 | 276 | 104399 | 3.935  | ng/ul# | 96 |

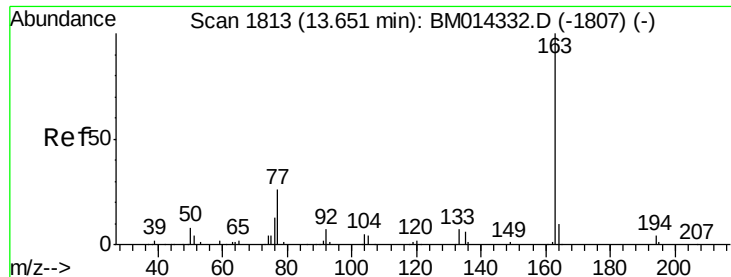
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 24 01:28:49 2018  
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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 23 23:12:42 2018  
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 1.991 ng/ul

RT: 13.66 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BM014346.D

Acq: 24 Feb 2018 00:19

Instrument :

BNA\_M

ClientSampleId :

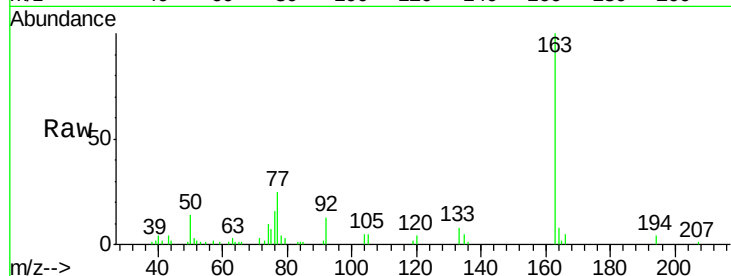
Tot Ion:163 Resp: 63616

Ion Ratio Lower Upper

163 100

194 3.6 3.5 5.3

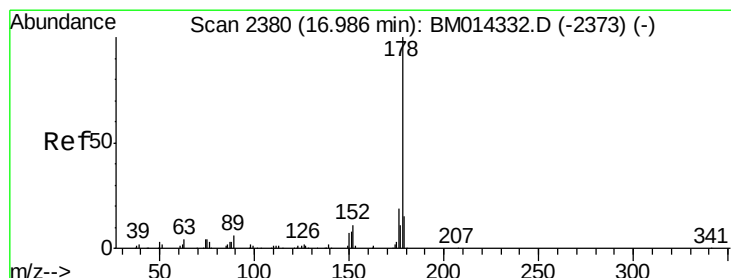
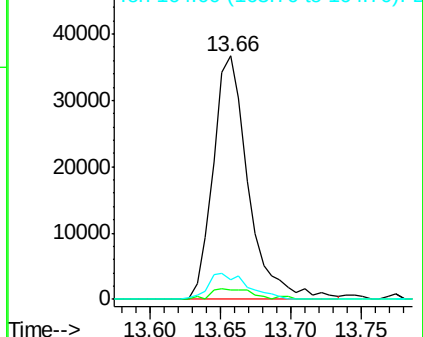
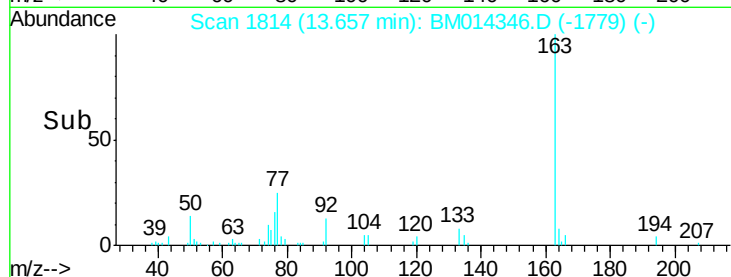
164 8.2 8.2 12.4#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#69

Phenanthrene

Concen: 8.262 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM014346.D

Acq: 24 Feb 2018 00:19

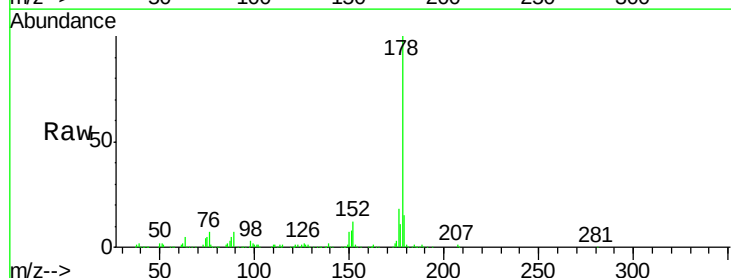
Tgt Ion:178 Resp: 397718

Ion Ratio Lower Upper

178 100

179 15.0 12.6 19.0

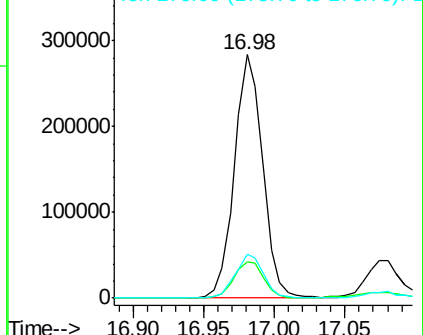
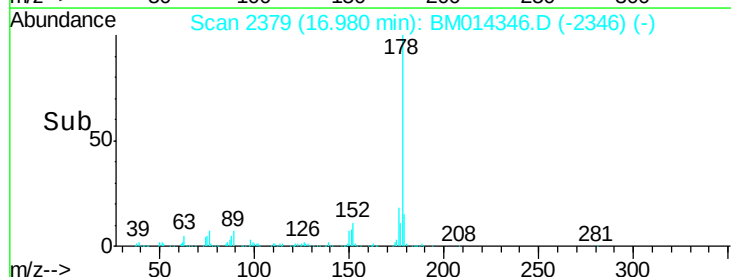
176 18.1 14.9 22.3

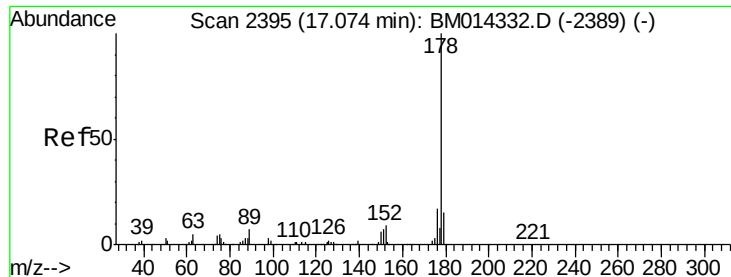


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 1.449 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.01 min

Lab File: BM014346.D

Acq: 24 Feb 2018 00:19

Instrument :

BNA\_M

ClientSampleId :

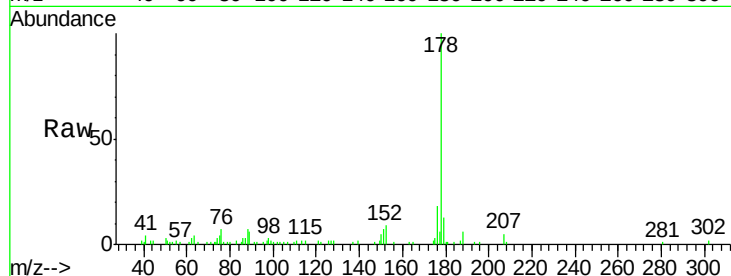
Tot Ion:178 Resp: 70152

Ion Ratio Lower Upper

178 100

179 13.3 11.7 17.5

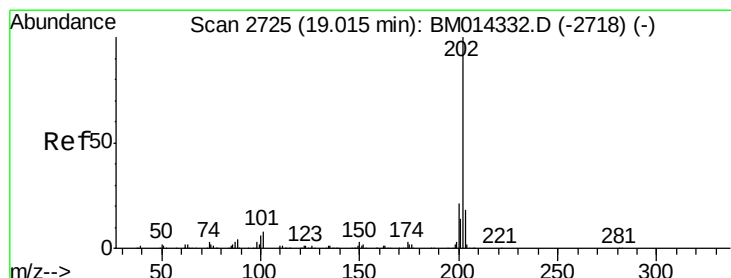
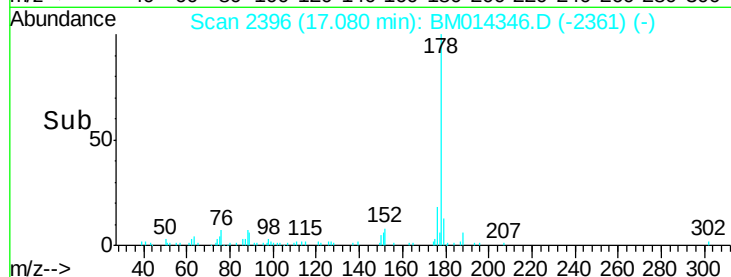
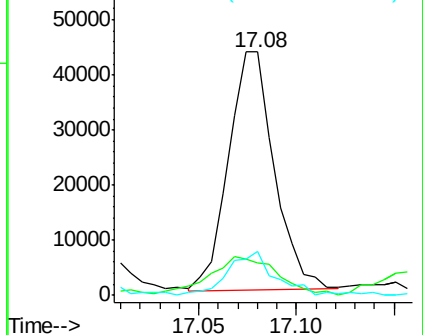
176 18.2 14.6 21.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Fluoranthene

Concen: 10.846 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. -0.01 min

Lab File: BM014346.D

Acq: 24 Feb 2018 00:19

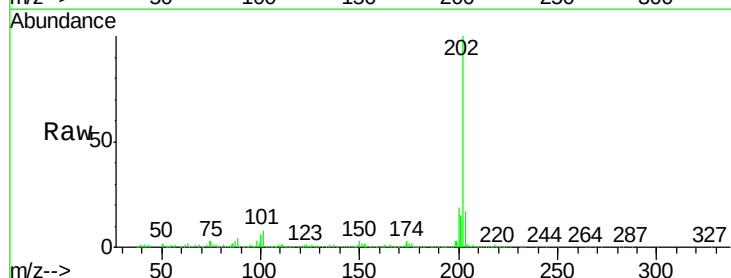
Tgt Ion:202 Resp: 623748

Ion Ratio Lower Upper

202 100

101 7.8 4.6 7.0#

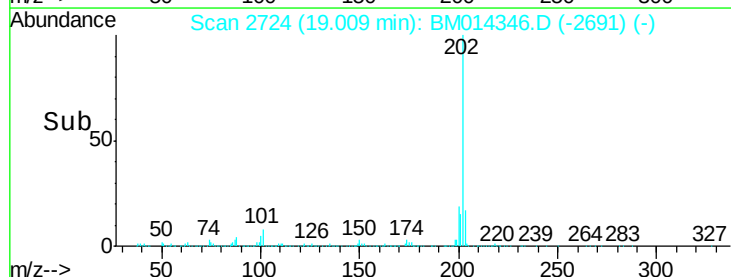
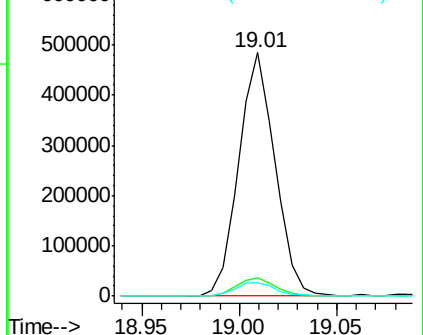
100 5.6 3.4 5.2#

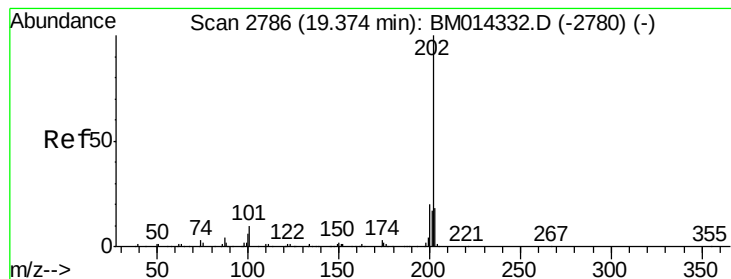


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 12.164 ng/ul

RT: 19.37 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BM014346.D

Acq: 24 Feb 2018 00:19

Instrument :

BNA\_M

ClientSampled :

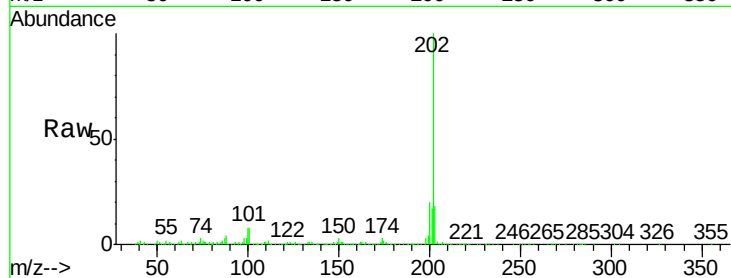
Tot Ion:202 Resp: 544864

Ion Ratio Lower Upper

202 100

101 8.4 5.1 7.7#

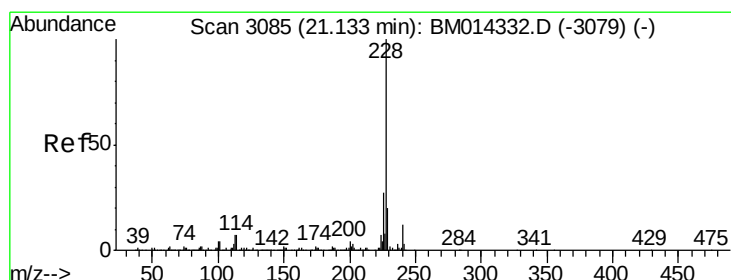
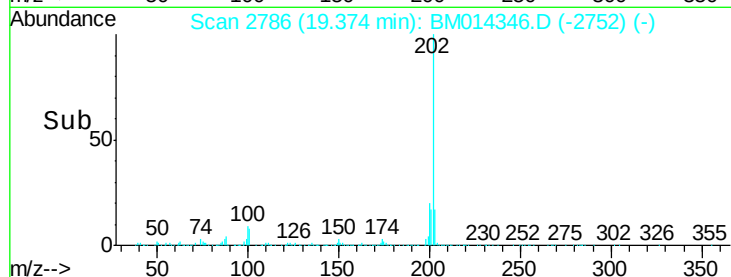
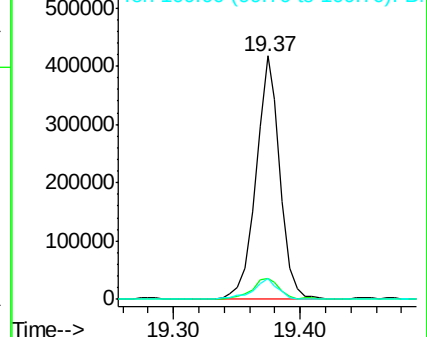
100 8.4 4.9 7.3#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 6.291 ng/ul

RT: 21.13 min Scan# 3085

Delta R.T. -0.00 min

Lab File: BM014346.D

Acq: 24 Feb 2018 00:19

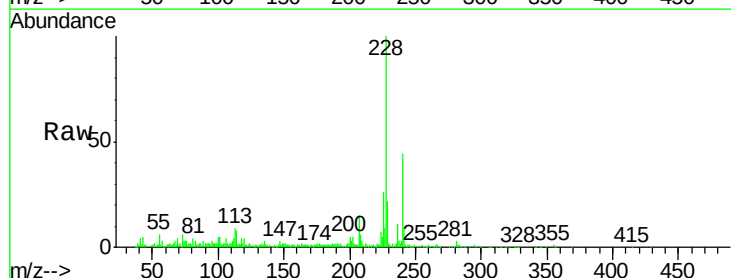
Tgt Ion:228 Resp: 264611

Ion Ratio Lower Upper

228 100

229 21.5 15.4 23.0

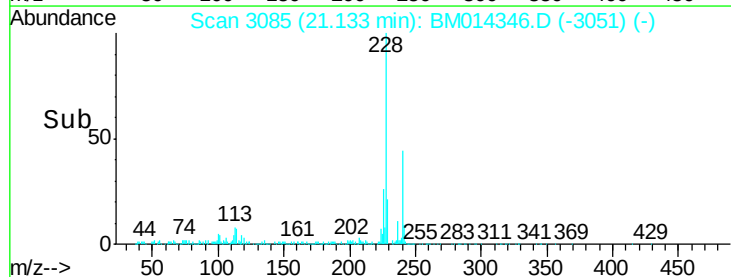
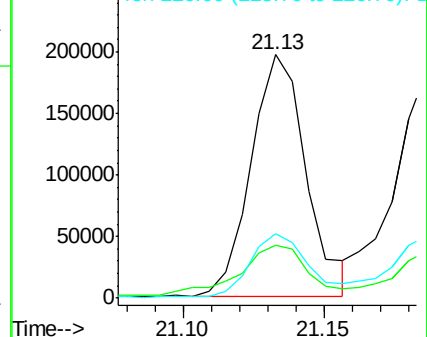
226 26.2 21.4 32.0

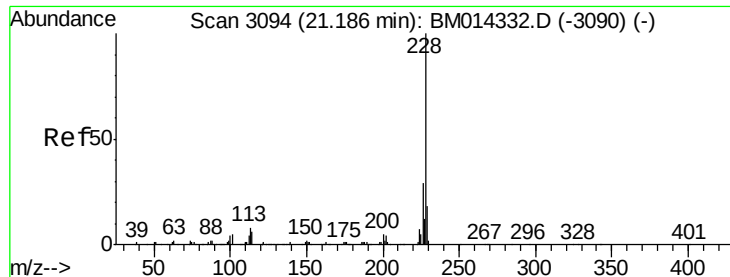


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 6.035 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BM014346.D

Acq: 24 Feb 2018 00:19

Instrument :

BNA\_M

ClientSampleId :

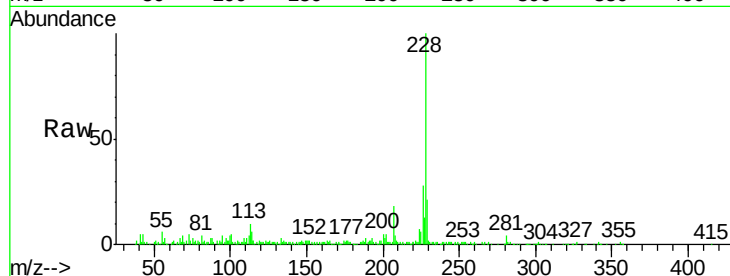
Tot Ion:228 Resp: 236812

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.9  | 23.4  | 35.2  |
| 229 | 20.9  | 15.5  | 23.3  |

228 100

226 27.9 23.4 35.2

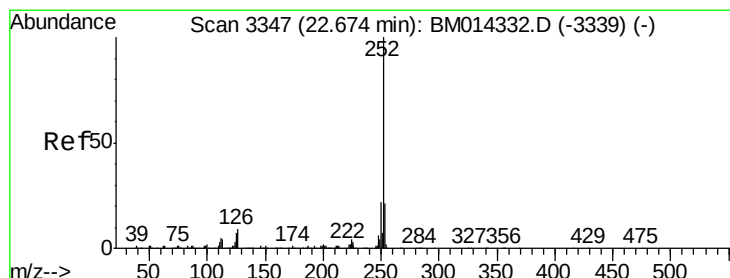
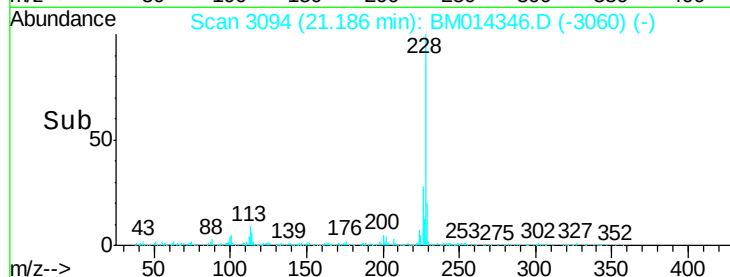
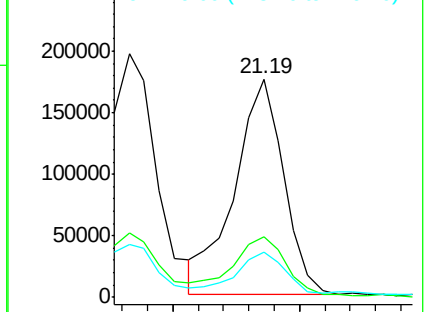
229 20.9 15.5 23.3



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



#85

Benzo(b)fluoranthene

Concen: 7.461 ng/ul

RT: 22.67 min Scan# 3347

Delta R.T. -0.00 min

Lab File: BM014346.D

Acq: 24 Feb 2018 00:19

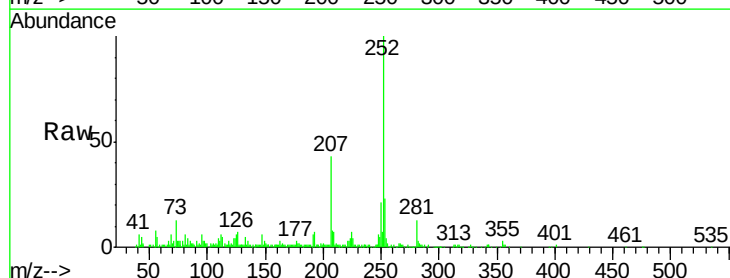
Tgt Ion:252 Resp: 281785

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.6  | 17.9  | 26.9  |
| 125 | 6.3   | 3.6   | 5.4   |

252 100

253 22.6 17.9 26.9

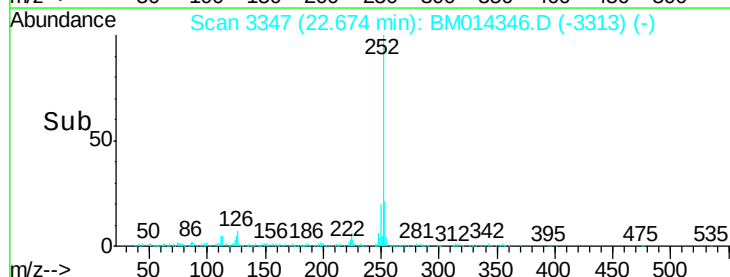
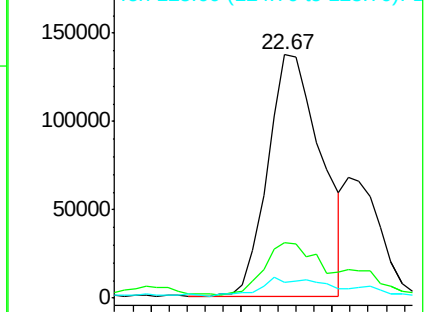
125 6.3 3.6 5.4#

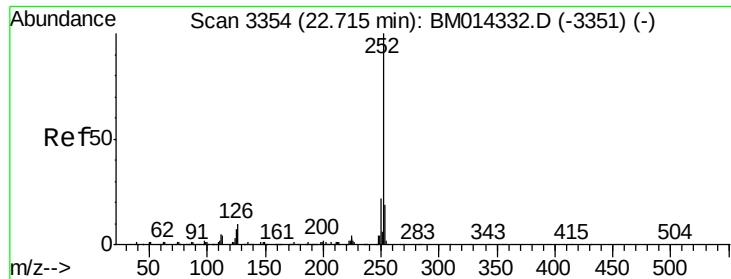


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

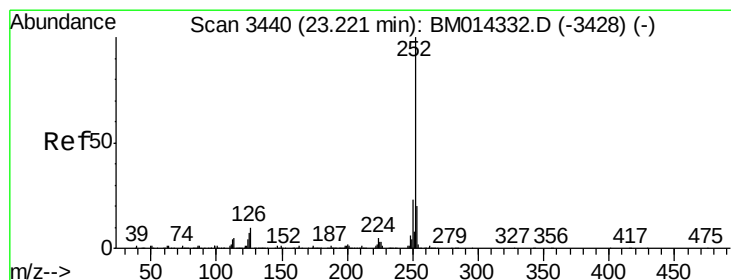
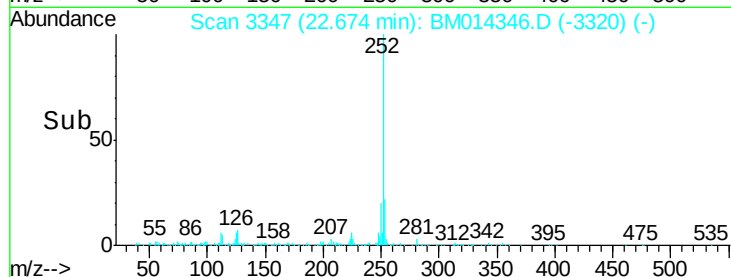
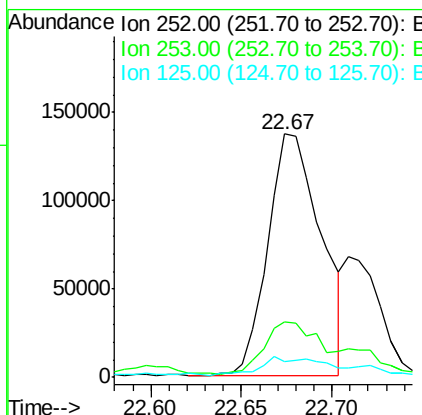
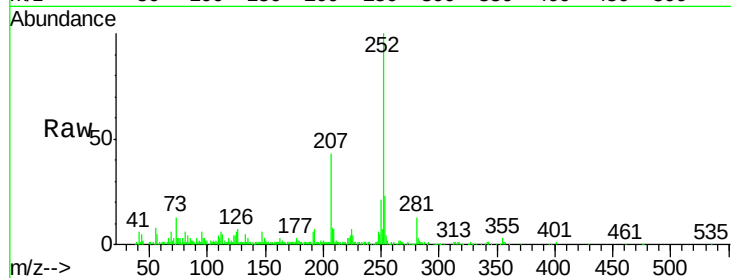




#86  
Benzo(k)fluoranthene  
Concen: 7.848 ng/ul  
RT: 22.67 min Scan# 3347  
Delta R.T. -0.04 min  
Lab File: BM014346.D  
Acq: 24 Feb 2018 00:19

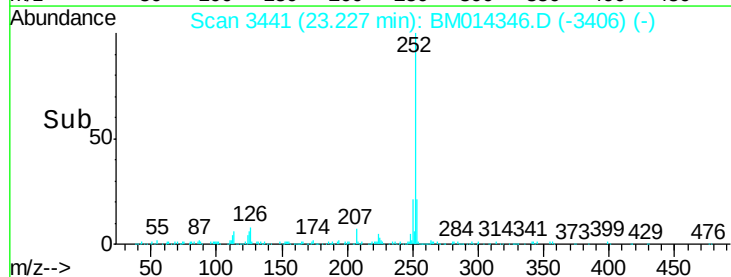
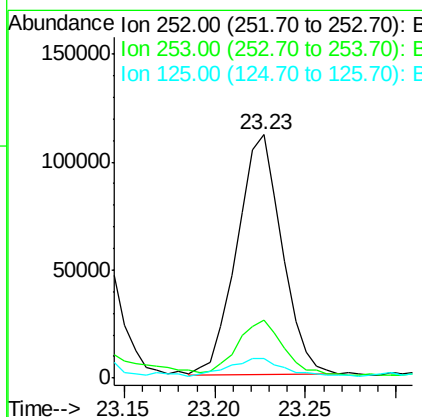
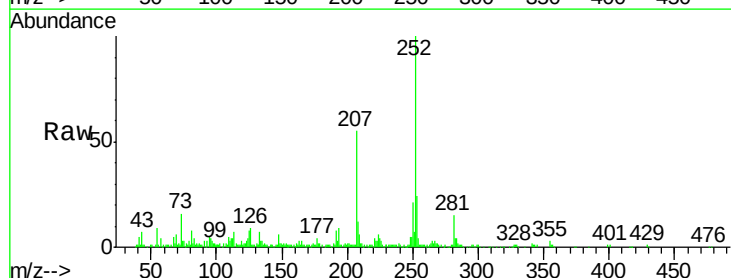
Instrument :  
BNA\_M  
ClientSampleId :

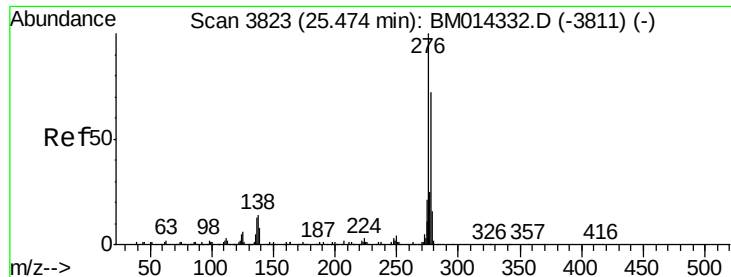
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.1  | 25.7  |
| 125     | 6.3   | 3.4   | 5.2   |



#88  
Benzo(a)pyrene  
Concen: 5.677 ng/ul  
RT: 23.23 min Scan# 3441  
Delta R.T. 0.01 min  
Lab File: BM014346.D  
Acq: 24 Feb 2018 00:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 18.2  | 27.2  |
| 125     | 8.0   | 4.0   | 6.0   |



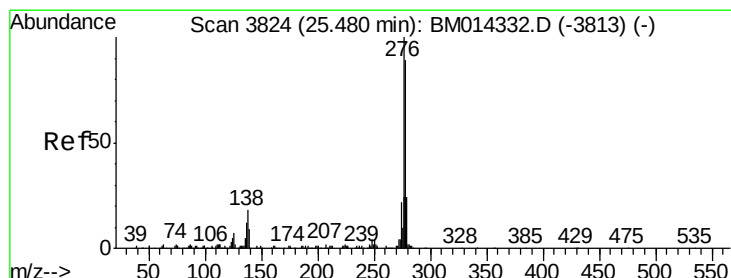
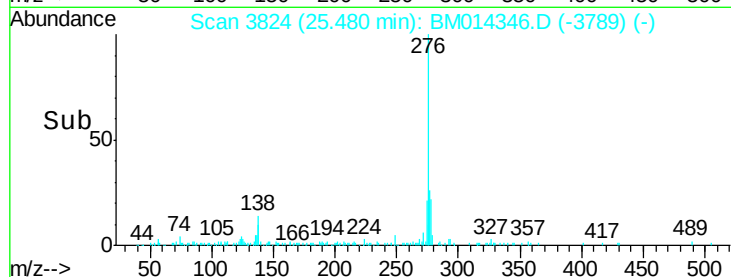
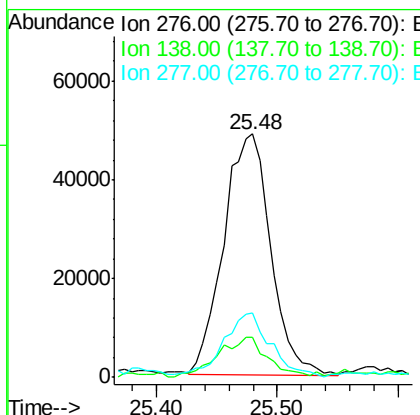
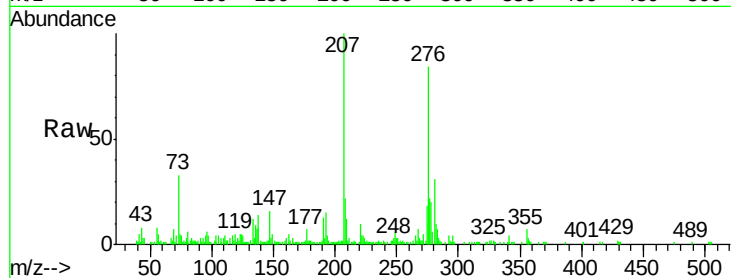


#89

Indeno(1,2,3-cd)pyrene  
Concen: 4.032 ng/ul  
RT: 25.48 min Scan# 3824  
Delta R.T. 0.01 min  
Lab File: BM014346.D  
Acq: 24 Feb 2018 00:19

Instrument :  
BNA\_M  
ClientSampleId :

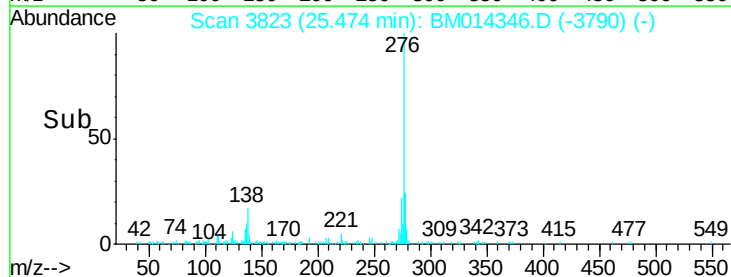
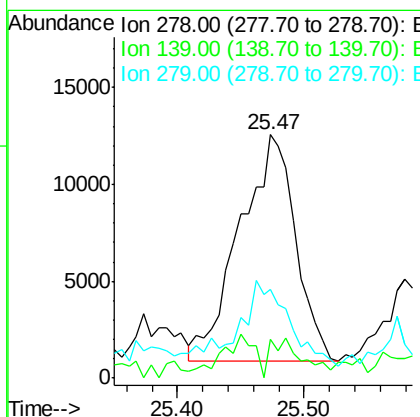
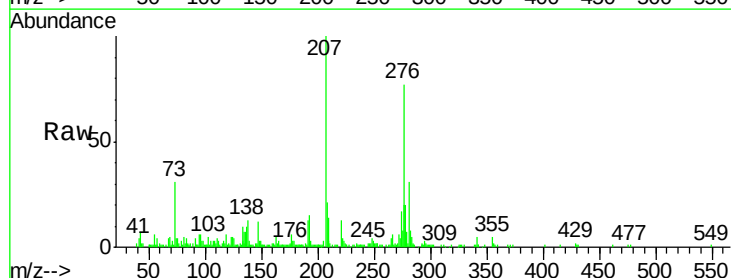
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.6  | 9.3   | 13.9# |
| 277     | 26.3  | 19.9  | 29.9  |



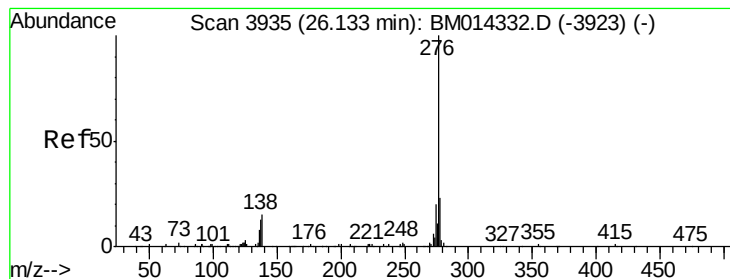
#90

Dibenzo(a,h)anthracene  
Concen: 1.317 ng/ul  
RT: 25.47 min Scan# 3823  
Delta R.T. -0.01 min  
Lab File: BM014346.D  
Acq: 24 Feb 2018 00:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 21.8  | 5.8   | 8.8#  |
| 279     | 36.4  | 18.6  | 27.8# |







#91

Benzo(a,h,i)perylene

Concen: 3.935 ng/ul

RT: 26.13 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BM014346.D

Acq: 24 Feb 2018 00:19

Instrument :

BNA\_M

ClientSampleId :

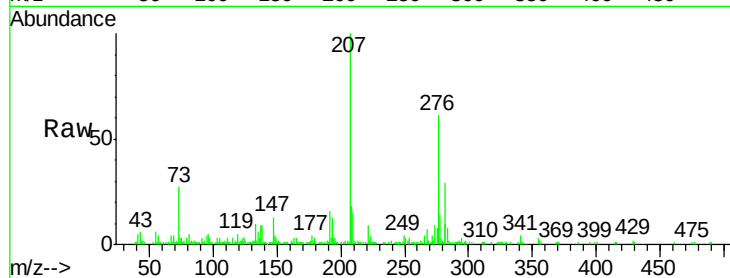
Tot Ion:276 Resp: 104399

Ion Ratio Lower Upper

276 100

138 15.4 8.5 12.7#

277 23.3 18.6 28.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

