

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102017\  
 Data File : BM012335.D  
 Acq On : 21 Oct 2017 00:36  
 Operator : SJ/JU  
 Sample : I5656-12  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B0CC0

Quant Time: Oct 23 02:59:45 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 23 02:34:17 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 338906   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.57 | 136  | 1455193  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.42 | 164  | 821064   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.18 | 188  | 1580197  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.36 | 240  | 1261419  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.65 | 264  | 1383392  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 29193   | 4.09  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.94  | 99  | 663623  | 24.13 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 415611  | 25.20 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 593011  | 25.42 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.49  | 113 | 600821  | 25.38 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.94  | 128 | 282031  | 25.40 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 342554  | 26.40 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.21 | 165 | 656840  | 26.51 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 569552  | 24.57 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.84 | 166 | 2124145 | 29.27 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.12 | 160 | 2523227 | 28.72 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.68 | 143 | 168933  | 15.48 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.42 | 176 | 1700298 | 28.55 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.57 | 200 | 245389  | 22.63 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.27 | 188 | 2225742 | 28.49 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.57 | 212 | 2064713 | 32.24 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.51 | 264 | 1993320 | 29.89 | ng/ul | 0.00 |

## Target Compounds

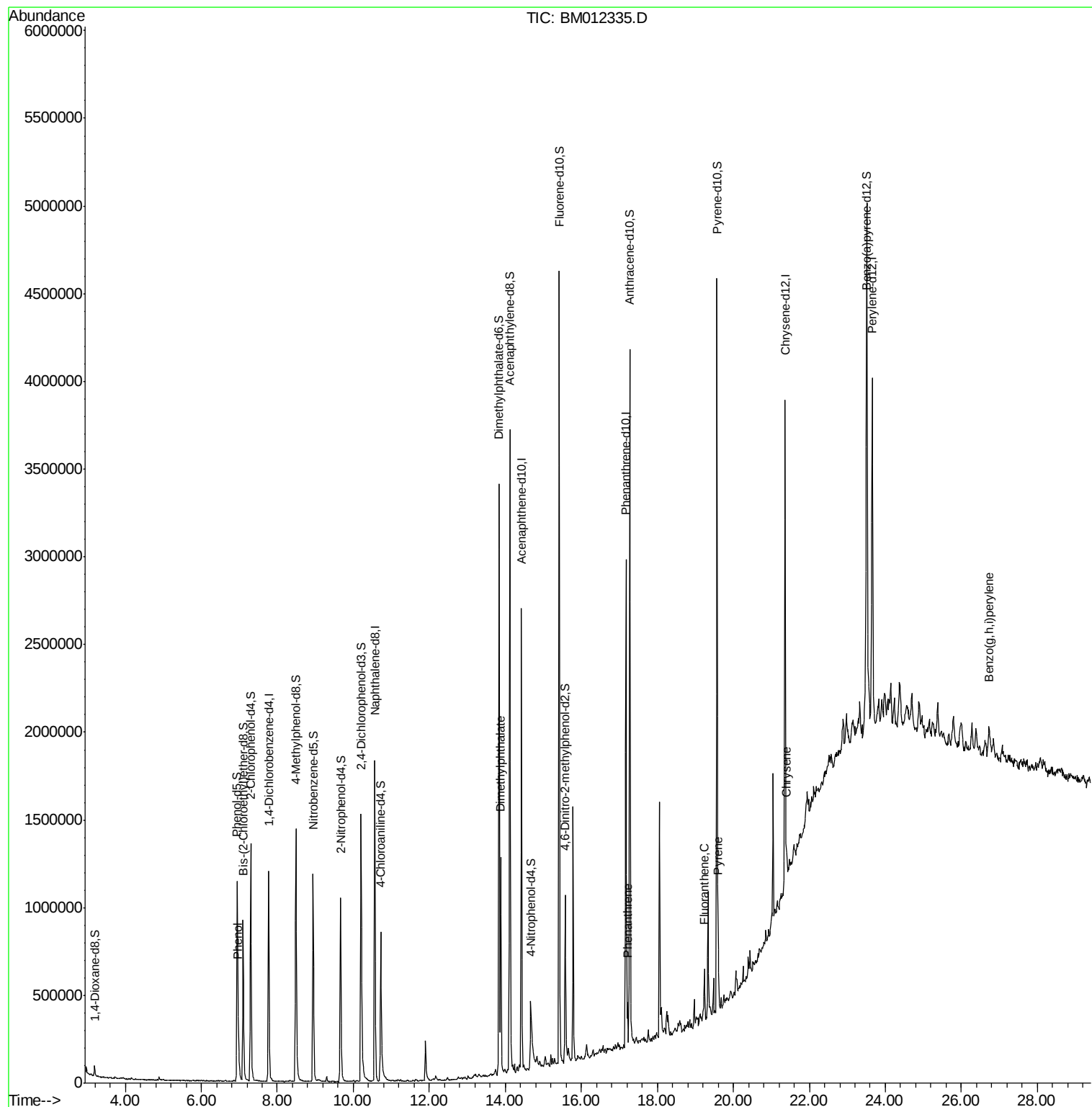
|                          |       |     |        |        | Ovalue |    |
|--------------------------|-------|-----|--------|--------|--------|----|
| 6) Phenol                | 6.97  | 94  | 118005 | 4.151  | ng/ul# | 89 |
| 44) Dimethylphthalate    | 13.88 | 163 | 793360 | 10.912 | ng/ul  | 99 |
| 69) Phenanthrene         | 17.22 | 178 | 133743 | 1.488  | ng/ul  | 97 |
| 74) Fluoranthene         | 19.24 | 202 | 153615 | 1.416  | ng/ul# | 94 |
| 77) Pyrene               | 19.60 | 202 | 254060 | 3.050  | ng/ul# | 96 |
| 82) Chrysene             | 21.39 | 228 | 121235 | 1.573  | ng/ul# | 93 |
| 91) Benzo(a,h,i)perylene | 26.72 | 276 | 157640 | 2.130  | ng/ul# | 91 |

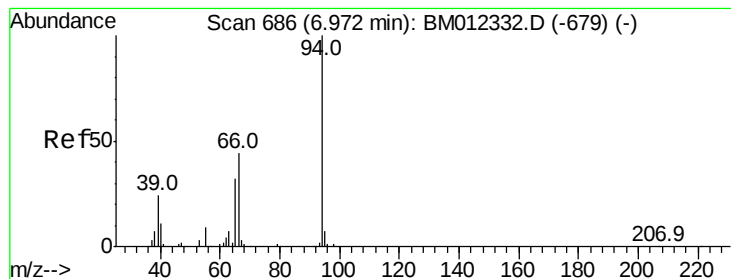
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 4.151 ng/ul

RT: 6.97 min Scan# 686

Delta R.T. -0.00 min

Lab File: BM012335.D

Acq: 21 Oct 2017 00:36

Instrument :

BNA\_M

ClientSampleId :

B0CC0

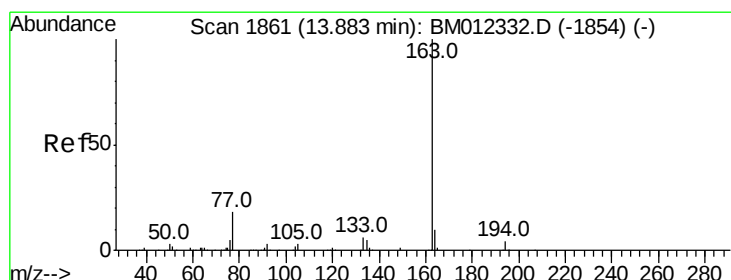
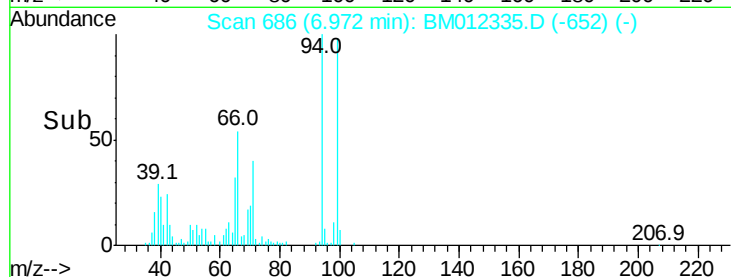
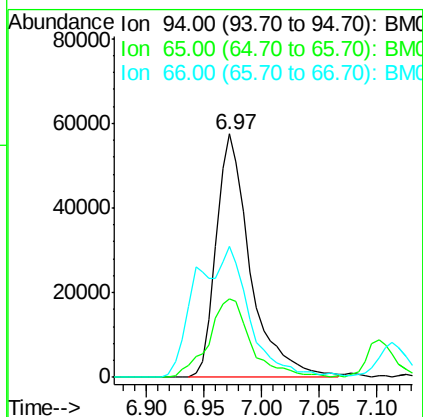
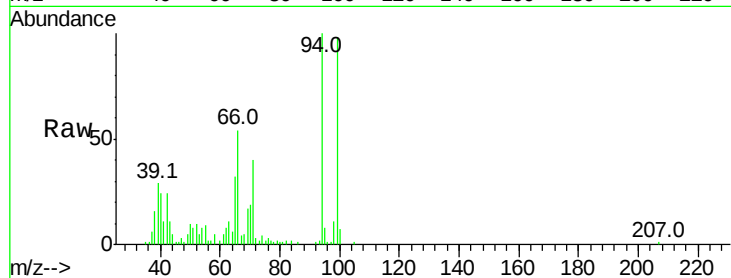
Tot Ion: 94 Resp: 118005

Ion Ratio Lower Upper

94 100

65 32.4 24.4 36.6

66 54.0 35.0 52.4#



#44

Dimethylphthalate

Concen: 10.912 ng/ul

RT: 13.88 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BM012335.D

Acq: 21 Oct 2017 00:36

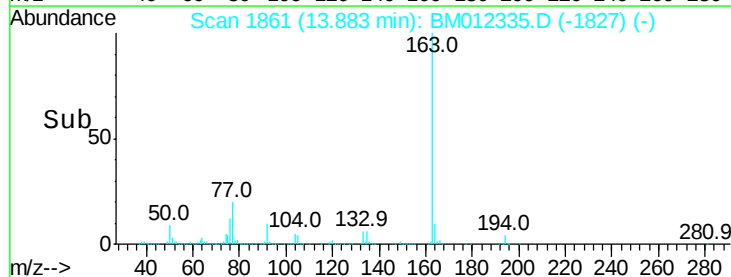
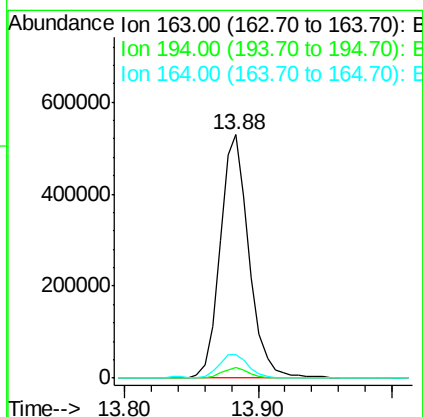
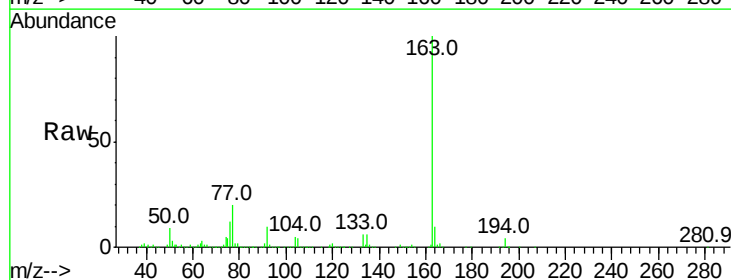
Tgt Ion:163 Resp: 793360

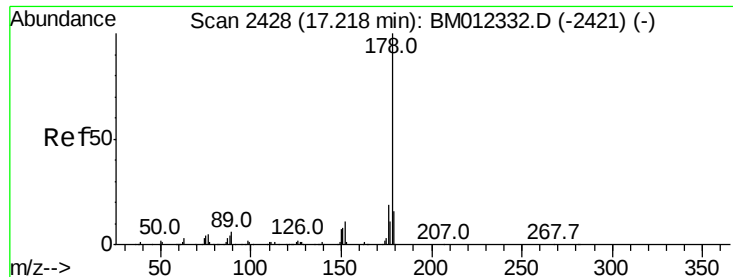
Ion Ratio Lower Upper

163 100

194 4.3 3.7 5.5

164 9.8 8.1 12.1





#69

Phenanthrene

Concen: 1.488 ng/ul

RT: 17.22 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BM012335.D

Acq: 21 Oct 2017 00:36

Instrument :

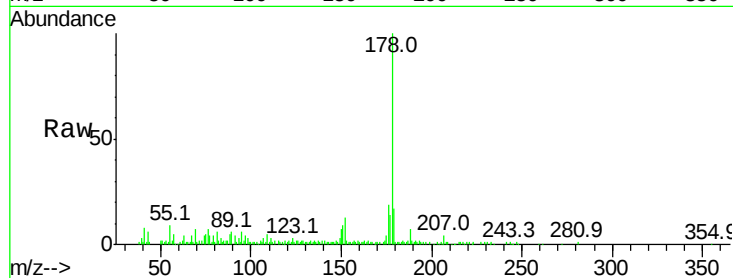
BNA\_M

ClientSampleId :

B0CC0

Tot Ion:178 Resp: 133743

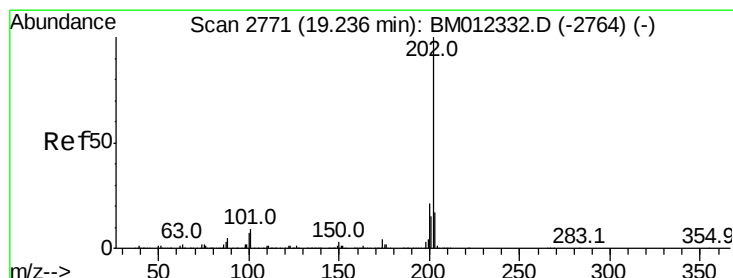
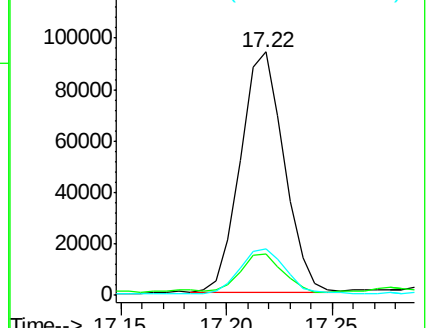
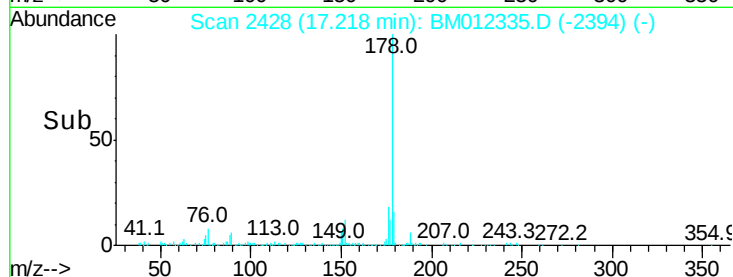
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 17.0  | 12.0  | 18.0  |
| 176 | 19.2  | 15.0  | 22.6  |



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: 1.416 ng/ul

RT: 19.24 min Scan# 2771

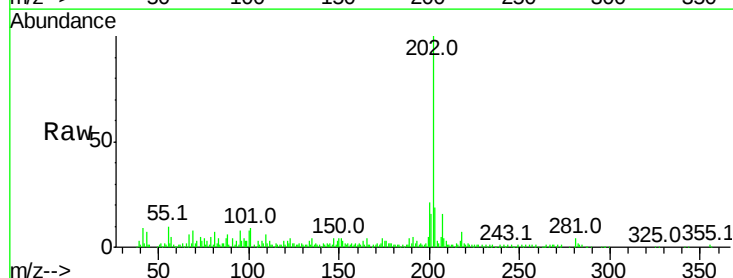
Delta R.T. -0.00 min

Lab File: BM012335.D

Acq: 21 Oct 2017 00:36

Tgt Ion:202 Resp: 153615

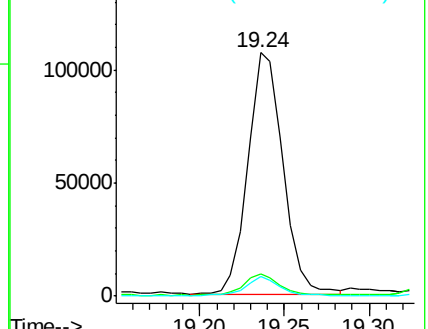
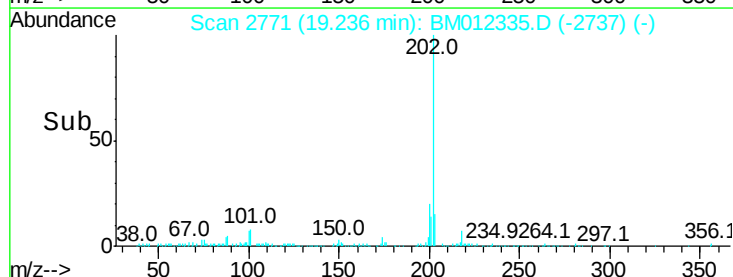
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 9.2   | 5.8   | 8.6#  |
| 100 | 7.8   | 4.3   | 6.5#  |

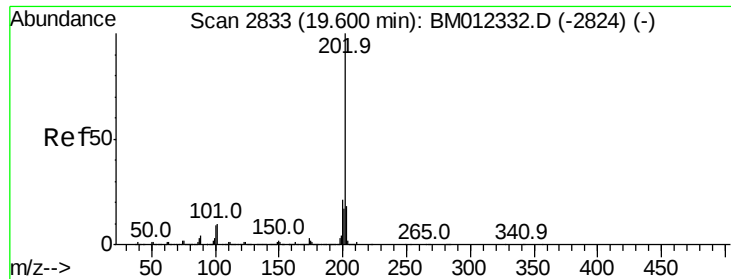


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 3.050 ng/ul

RT: 19.60 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BM012335.D

Acq: 21 Oct 2017 00:36

Instrument :

BNA\_M

ClientSampleId :

B0CC0

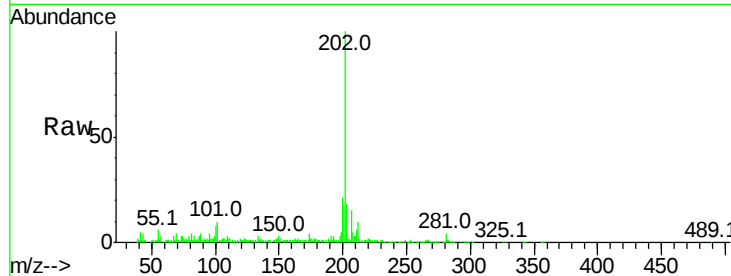
Tot Ion:202 Resp: 254060

Ion Ratio Lower Upper

202 100

101 10.1 6.5 9.7#

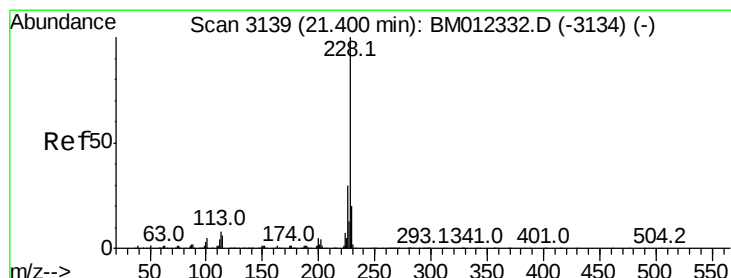
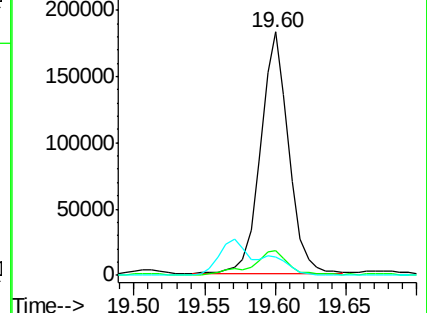
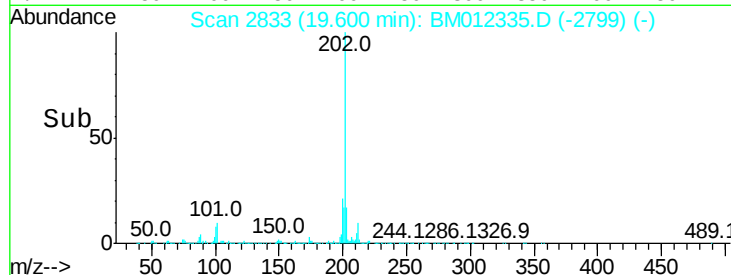
100 7.7 5.6 8.4



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



#82

Chrysene

Concen: 1.573 ng/ul

RT: 21.39 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BM012335.D

Acq: 21 Oct 2017 00:36

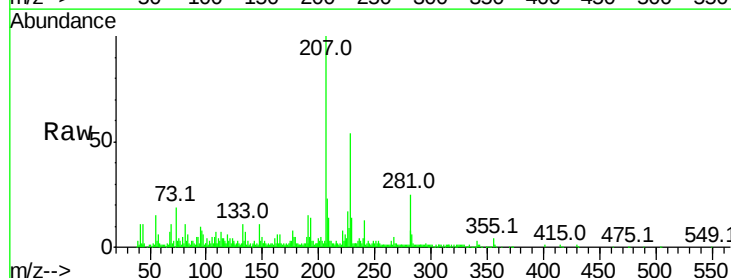
Tgt Ion:228 Resp: 121235

Ion Ratio Lower Upper

228 100

226 31.7 24.0 36.0

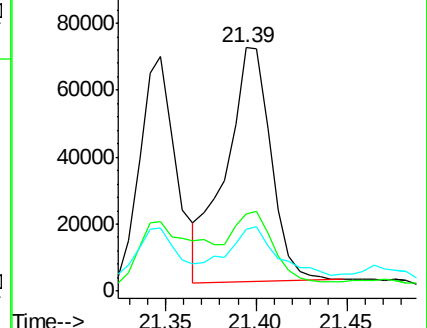
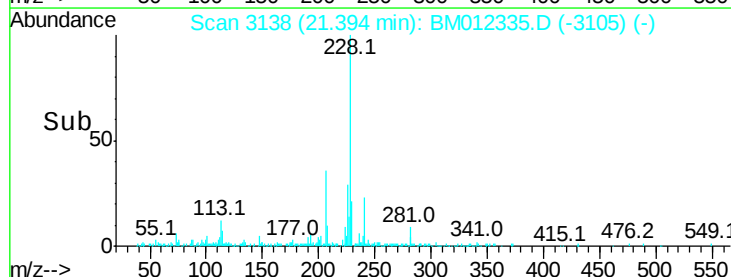
229 25.4 15.5 23.3#

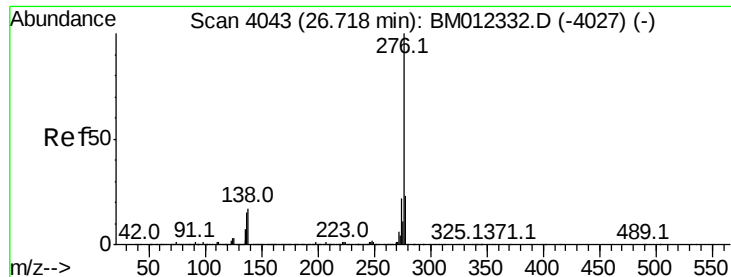


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.130 ng/ul

RT: 26.72 min Scan# 4044

Delta R.T. 0.01 min

Lab File: BM012335.D

Acq: 21 Oct 2017 00:36

Instrument :

BNA\_M

ClientSampleId :

B0CC0

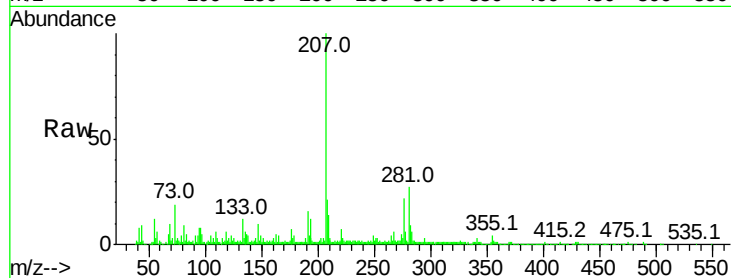
Tot Ion:276 Resp: 157640

Ion Ratio Lower Upper

276 100

138 19.4 10.7 16.1#

277 26.7 19.0 28.4



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

