

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100417\  
 Data File : BM011907.D  
 Acq On : 05 Oct 2017 01:19  
 Operator : SJ/JU  
 Sample : I5414-13  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 05 07:17:57 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 05 07:08:17 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.87  | 152  | 404723   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.68 | 136  | 1809186  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.52 | 164  | 1109501  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.26 | 188  | 2547416  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.43 | 240  | 2164059  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.76 | 264  | 1916428  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 19096   | 2.23  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.03  | 99  | 438300  | 12.59 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.20  | 67  | 282130  | 13.69 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.40  | 132 | 400442  | 14.34 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.57  | 113 | 352400  | 11.71 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.04  | 128 | 193760  | 15.04 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.76  | 143 | 222084  | 15.30 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.30 | 165 | 417670  | 14.24 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.82 | 131 | 401861  | 12.56 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.92 | 166 | 1380274 | 14.35 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.21 | 160 | 1723023 | 15.25 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.72 | 143 | 127830  | 7.61  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.51 | 176 | 1225596 | 14.44 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.63 | 200 | 101586  | 5.93  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.36 | 188 | 1941173 | 15.46 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.65 | 212 | 2059576 | 21.10 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.62 | 264 | 1397182 | 15.16 | ng/ul | 0.01 |

## Target Compounds

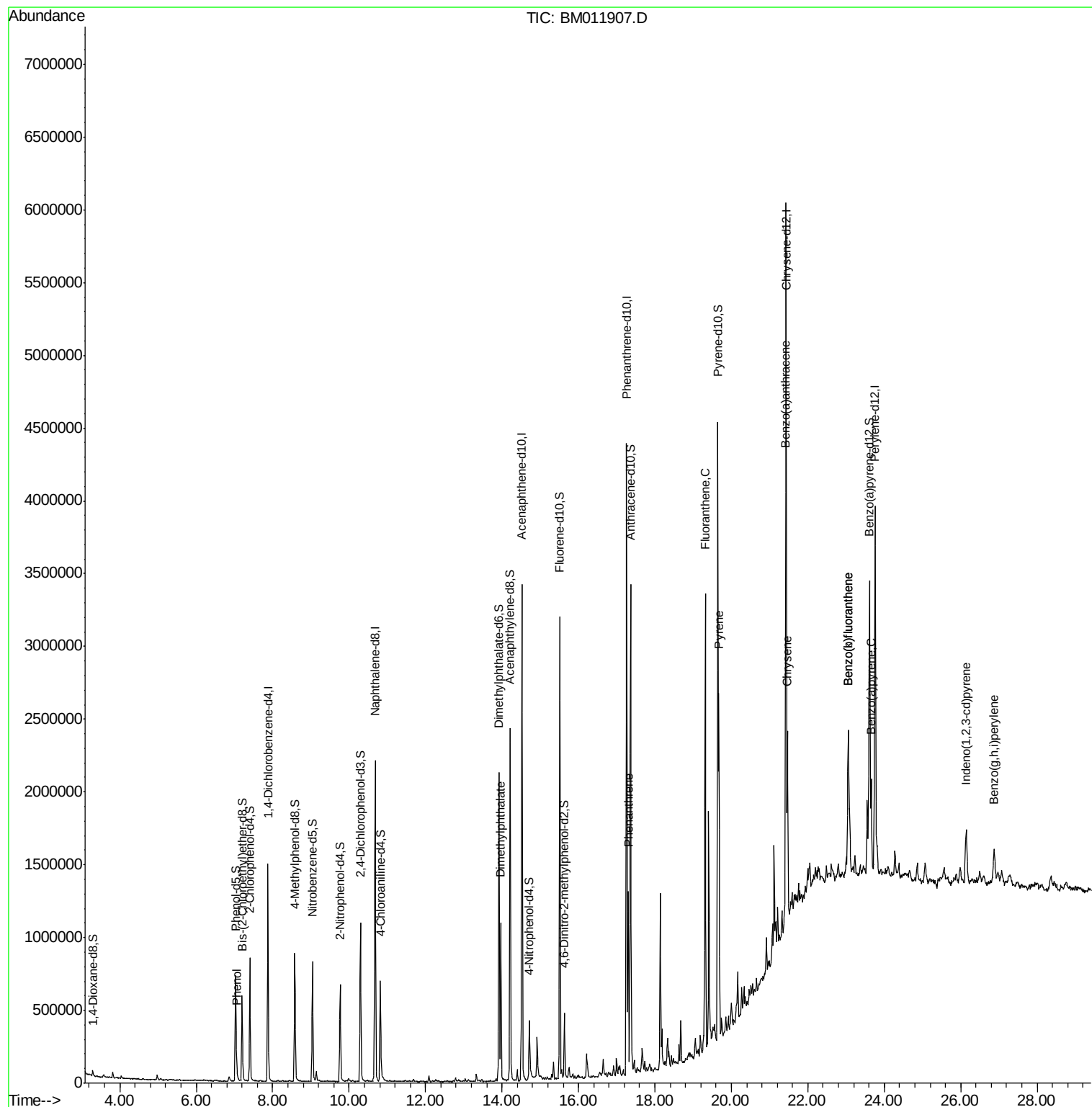
|                            |       |     |         |        | Ovalue |    |
|----------------------------|-------|-----|---------|--------|--------|----|
| 6) Phenol                  | 7.06  | 94  | 36664   | 1.064  | ng/ul# | 86 |
| 44) Dimethylphthalate      | 13.97 | 163 | 667065  | 7.211  | ng/ul  | 99 |
| 69) Phenanthrene           | 17.30 | 178 | 726218  | 5.183  | ng/ul  | 98 |
| 74) Fluoranthene           | 19.32 | 202 | 1833110 | 10.722 | ng/ul# | 92 |
| 77) Pyrene                 | 19.68 | 202 | 1375826 | 11.466 | ng/ul# | 90 |
| 80) Benzo(a)anthracene     | 21.42 | 228 | 460369  | 3.713  | ng/ul  | 98 |
| 82) Chrysene               | 21.47 | 228 | 739544  | 6.278  | ng/ul  | 96 |
| 85) Benzo(b)fluoranthene   | 23.06 | 252 | 872513  | 7.490  | ng/ul# | 97 |
| 86) Benzo(k)fluoranthene   | 23.06 | 252 | 872513  | 7.503  | ng/ul# | 96 |
| 88) Benzo(a)pyrene         | 23.66 | 252 | 441151  | 3.941  | ng/ul# | 95 |
| 89) Indeno(1,2,3-cd)pyrene | 26.14 | 276 | 379780  | 3.171  | ng/ul# | 95 |
| 91) Benzo(g,h,i)perylene   | 26.87 | 276 | 318799  | 3.218  | ng/ul# | 89 |

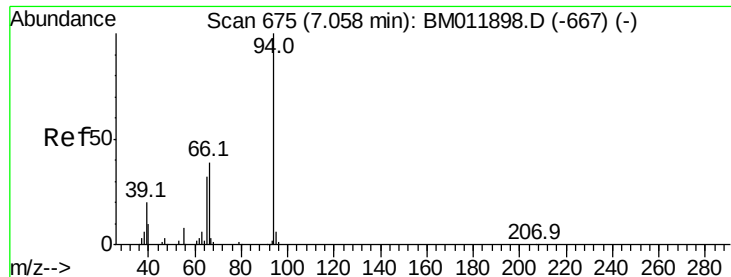
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 05 07:08:17 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 1.064 ng/ul

RT: 7.06 min Scan# 675

Delta R.T. -0.00 min

Lab File: BM011907.D

Acq: 05 Oct 2017 01:19

Instrument :

BNA\_M

ClientSampleId :

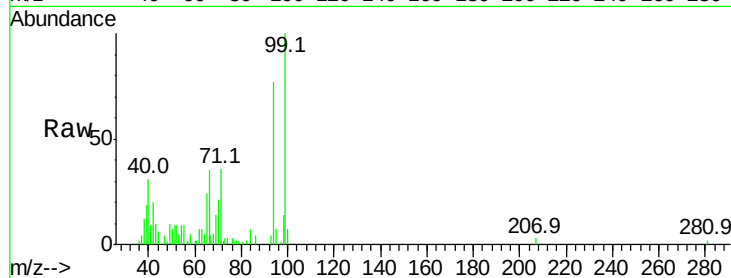
Tot Ion: 94 Resp: 36664

Ion Ratio Lower Upper

94 100

65 30.9 28.2 42.4

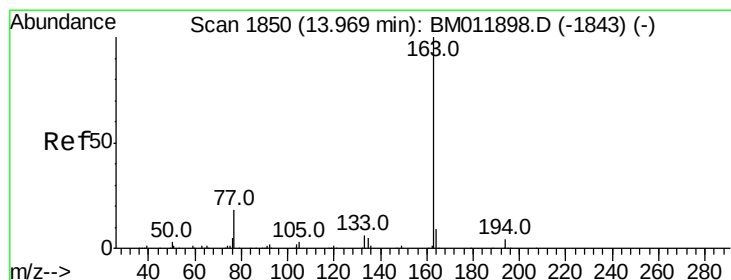
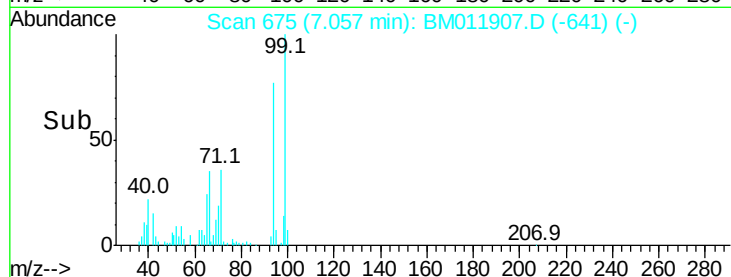
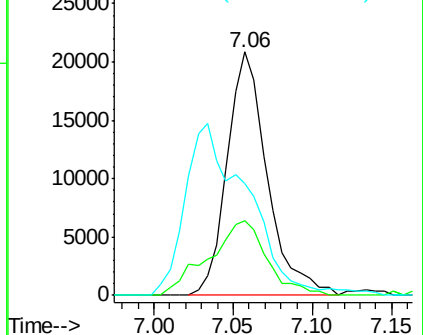
66 45.8 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM011898.D (-667) (-)

Ion 65.00 (64.70 to 65.70): BM011898.D (-667) (-)

Ion 66.00 (65.70 to 66.70): BM011898.D (-667) (-)



#44

Dimethylphthalate

Concen: 7.211 ng/ul

RT: 13.97 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BM011907.D

Acq: 05 Oct 2017 01:19

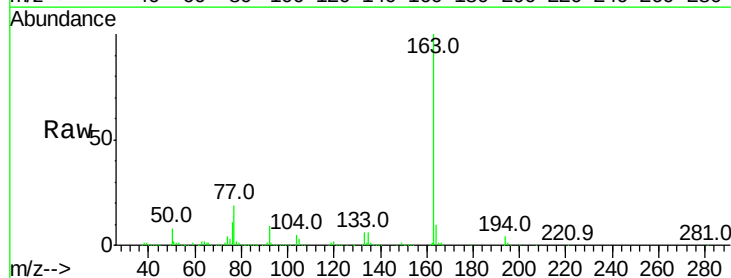
Tgt Ion:163 Resp: 667065

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

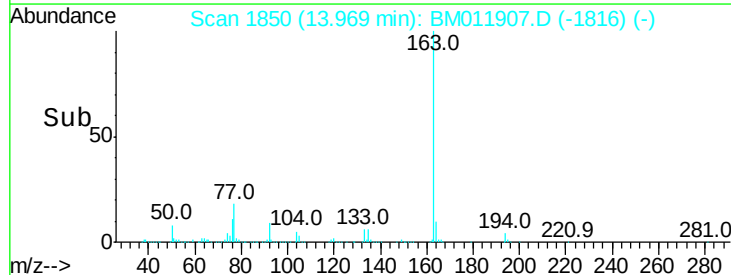
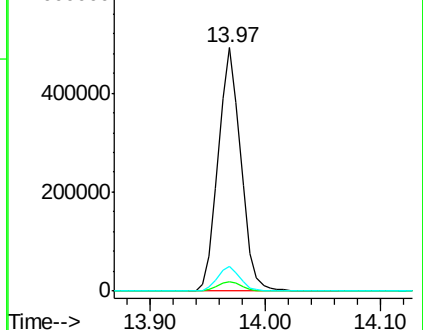
164 10.0 8.2 12.4

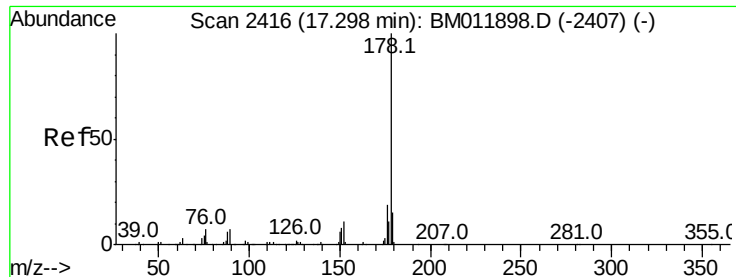


Abundance Ion 163.00 (162.70 to 163.70): BM011898.D (-1843) (-)

Ion 194.00 (193.70 to 194.70): BM011898.D (-1843) (-)

Ion 164.00 (163.70 to 164.70): BM011898.D (-1843) (-)





#69

Phenanthrene

Concen: 5.183 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. 0.01 min

Lab File: BM011907.D

Acq: 05 Oct 2017 01:19

Instrument :

BNA\_M

ClientSampleId :

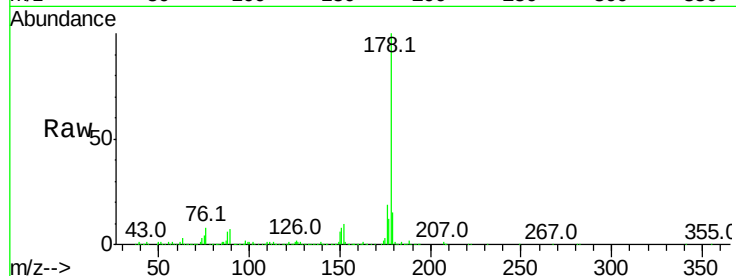
Tot Ion:178 Resp: 726218

Ion Ratio Lower Upper

178 100

179 14.7 12.6 19.0

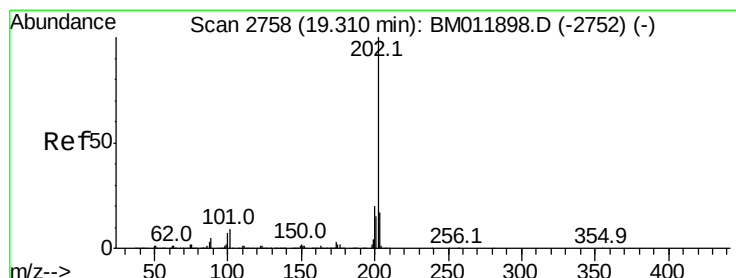
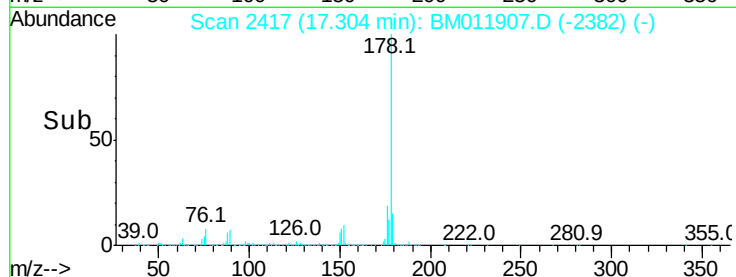
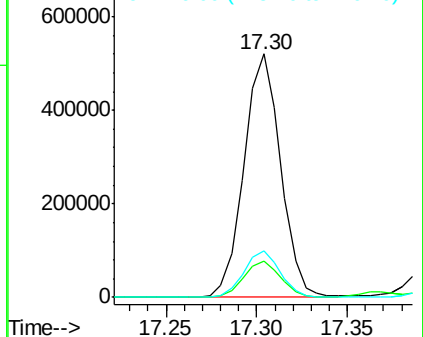
176 19.0 14.9 22.3



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



#74

Fluoranthene

Concen: 10.722 ng/ul

RT: 19.32 min Scan# 2759

Delta R.T. 0.01 min

Lab File: BM011907.D

Acq: 05 Oct 2017 01:19

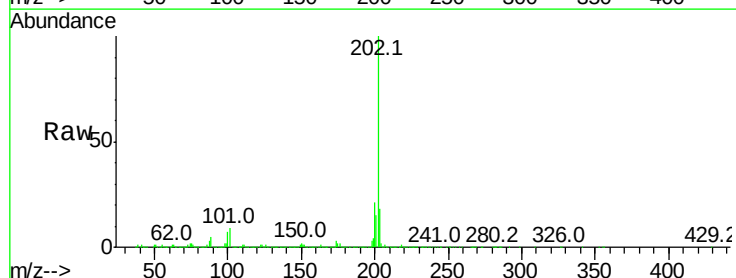
Tgt Ion:202 Resp: 1833110

Ion Ratio Lower Upper

202 100

101 8.7 4.6 7.0#

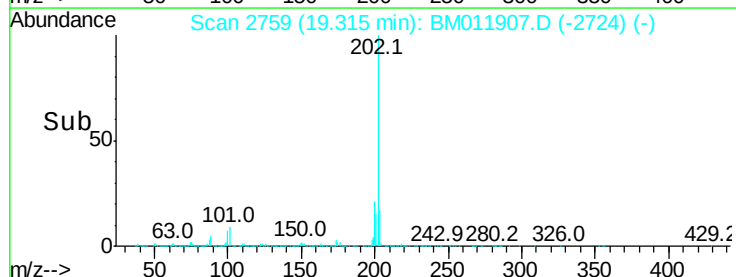
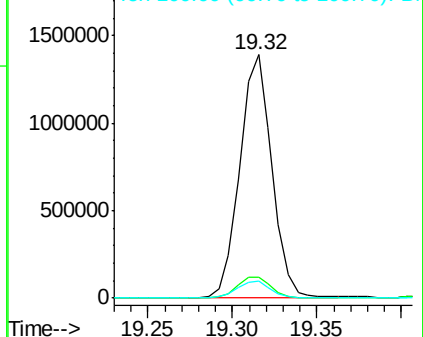
100 7.0 3.4 5.2#

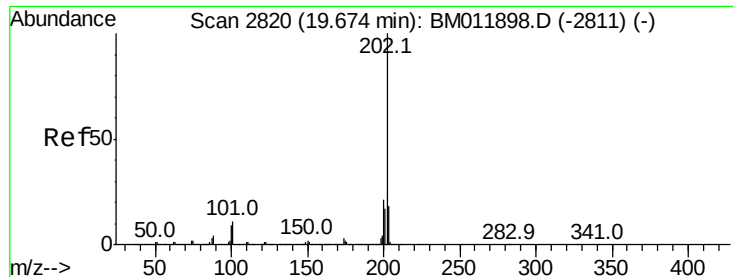


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 11.466 ng/ul

RT: 19.68 min Scan# 2821

Delta R.T. 0.01 min

Lab File: BM011907.D

Acq: 05 Oct 2017 01:19

Instrument :

BNA\_M

ClientSampleId :

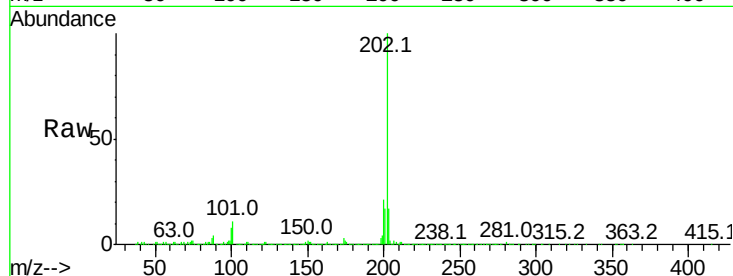
Tot Ion:202 Resp: 1375826

Ion Ratio Lower Upper

202 100

101 10.7 5.1 7.7#

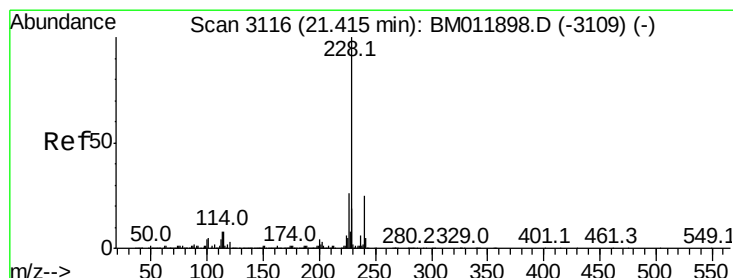
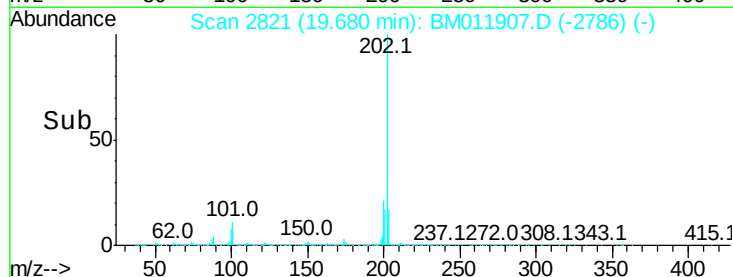
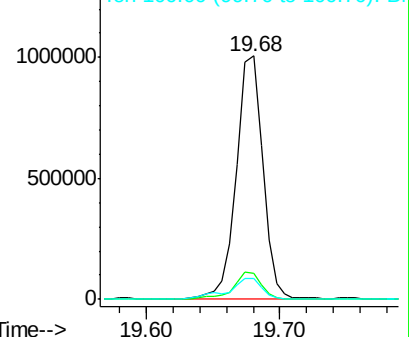
100 8.4 4.9 7.3#



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: 3.713 ng/ul

RT: 21.42 min Scan# 3116

Delta R.T. -0.00 min

Lab File: BM011907.D

Acq: 05 Oct 2017 01:19

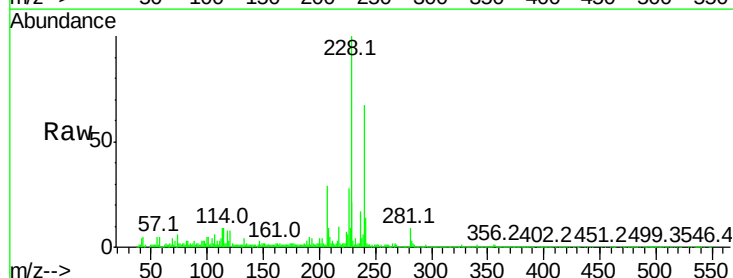
Tgt Ion:228 Resp: 460369

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

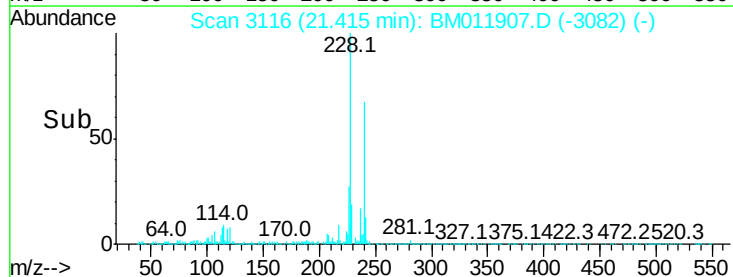
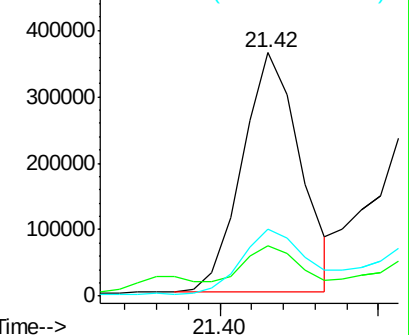
226 27.7 21.4 32.0

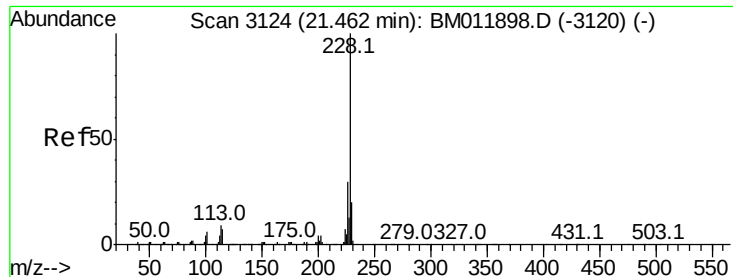


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 6.278 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. 0.01 min

Lab File: BM011907.D

Acq: 05 Oct 2017 01:19

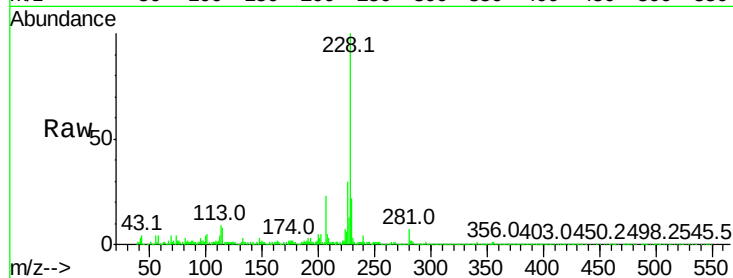
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:228 Resp: 739544

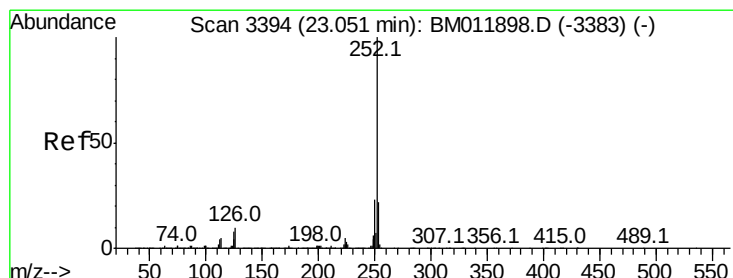
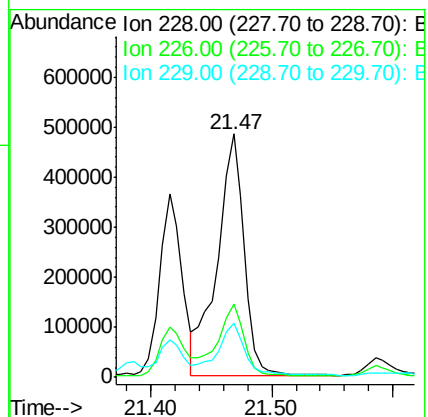
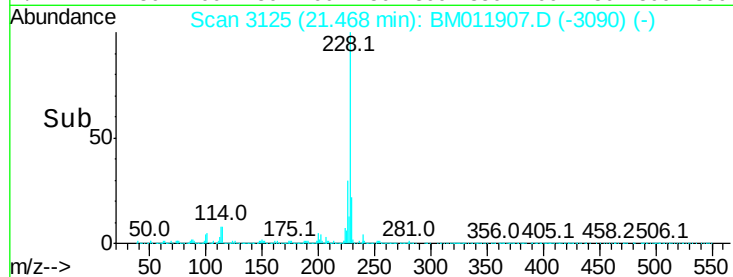
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.2  | 23.4  | 35.2  |
| 229 | 22.2  | 15.5  | 23.3  |



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: 7.490 ng/ul

RT: 23.06 min Scan# 3395

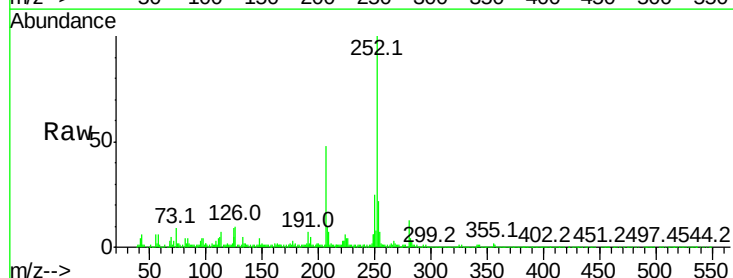
Delta R.T. 0.01 min

Lab File: BM011907.D

Acq: 05 Oct 2017 01:19

Tgt Ion:252 Resp: 872513

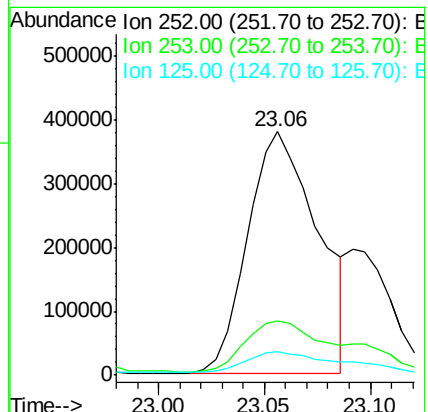
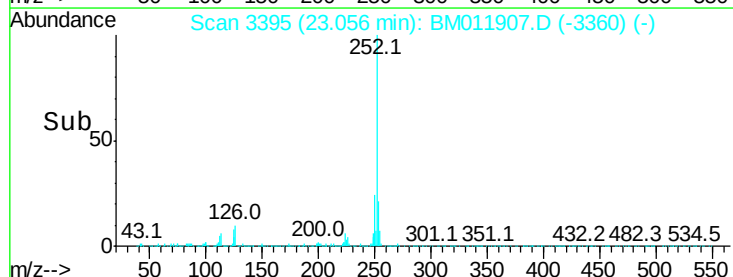
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.1  | 17.9  | 26.9  |
| 125 | 9.5   | 3.6   | 5.4   |

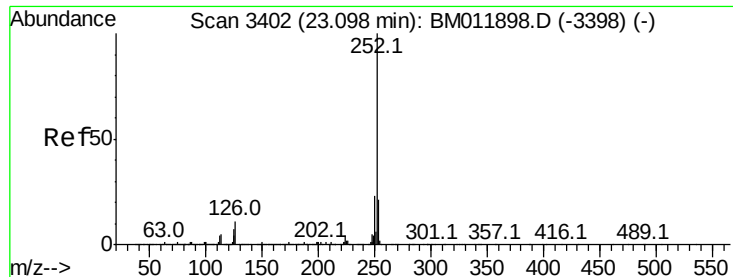


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 7.503 ng/ul

RT: 23.06 min Scan# 3395

Delta R.T. -0.04 min

Lab File: BM011907.D

Acq: 05 Oct 2017 01:19

Instrument :

BNA\_M

ClientSampleId :

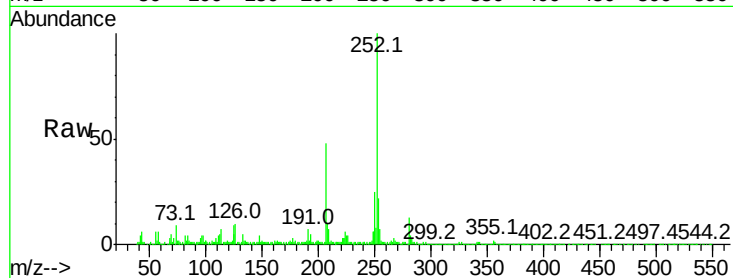
Tot Ion:252 Resp: 872513

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

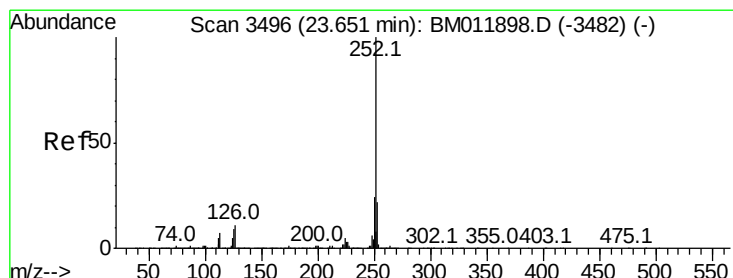
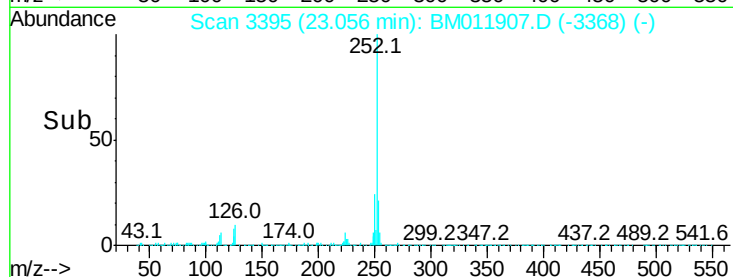
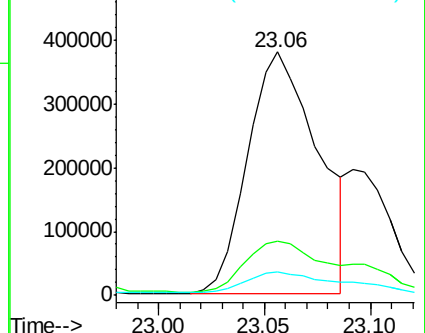
125 9.5 3.4 5.2#



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



#88

Benzo(a)pyrene

Concen: 3.941 ng/ul

RT: 23.66 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BM011907.D

Acq: 05 Oct 2017 01:19

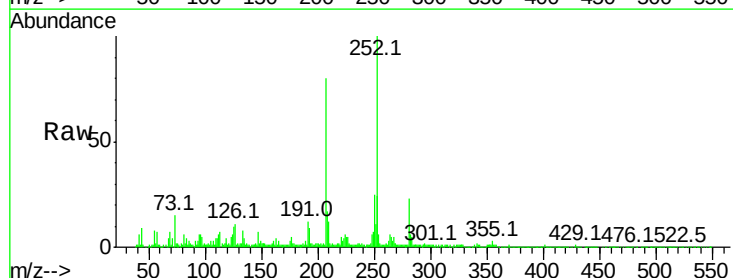
Tgt Ion:252 Resp: 441151

Ion Ratio Lower Upper

252 100

253 24.2 18.2 27.2

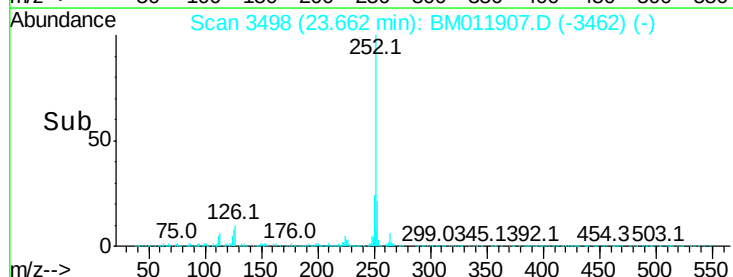
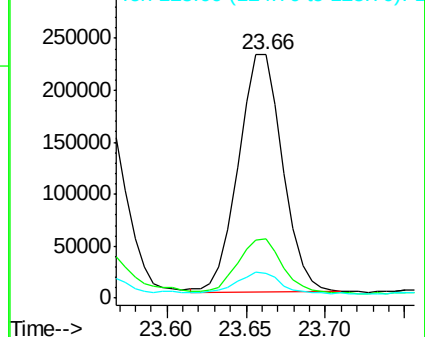
125 10.4 4.0 6.0#

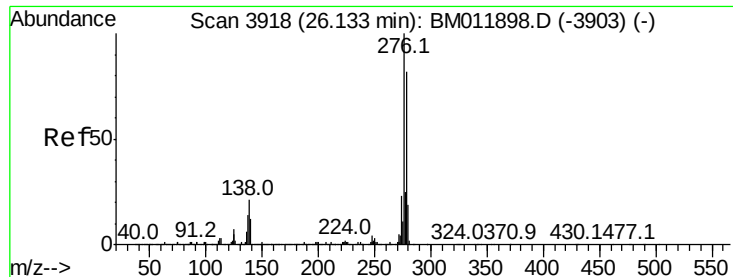


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

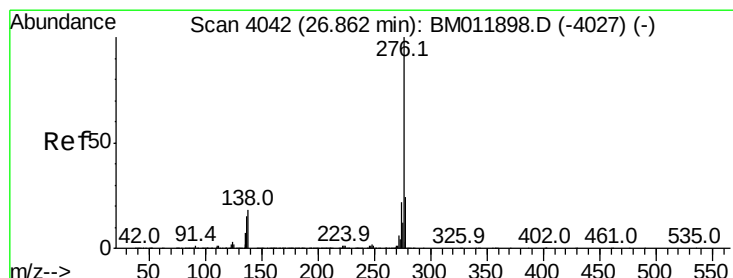
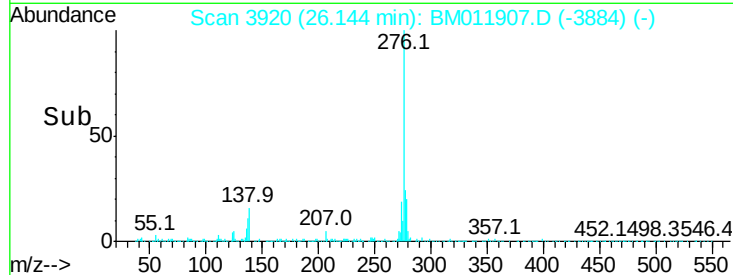
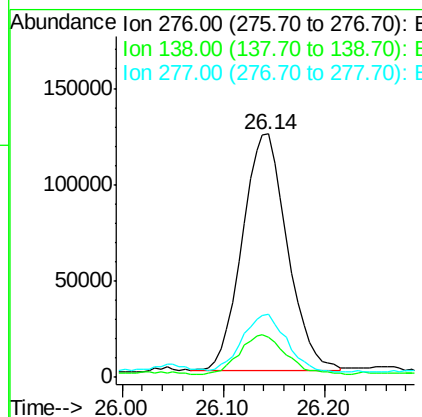
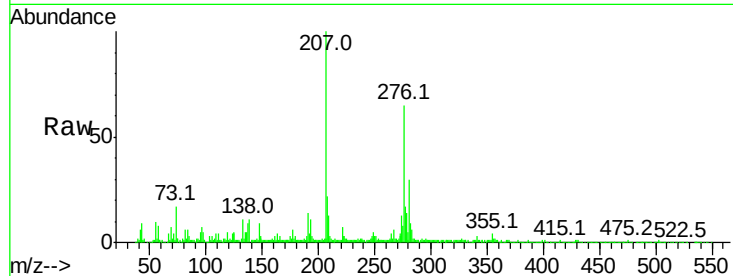




#89  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.171 ng/ul  
 RT: 26.14 min Scan# 3920  
 Delta R.T. 0.01 min  
 Lab File: BM011907.D  
 Acq: 05 Oct 2017 01:19

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.3  | 9.3   | 13.9# |
| 277     | 25.8  | 19.9  | 29.9  |



#91  
 Benzo(g,h,i)perylene  
 Concen: 3.218 ng/ul  
 RT: 26.87 min Scan# 4044  
 Delta R.T. 0.01 min  
 Lab File: BM011907.D  
 Acq: 05 Oct 2017 01:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.6  | 8.5   | 12.7# |
| 277     | 25.9  | 18.6  | 28.0  |

