

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
 Data File : BM023232.D  
 Acq On : 17 Oct 2019 22:41  
 Operator : JU  
 Sample : K5236-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEPL6

Quant Time: Oct 18 07:31:18 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 18 06:52:01 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 352696   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 1371683  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.31 | 164  | 851426   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.06 | 188  | 1721670  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.24 | 240  | 1768971  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.46 | 264  | 2175748  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.17  | 96  | 23874   | 2.98  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.84  | 99  | 459641  | 14.96 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 264084  | 15.20 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 388026  | 16.50 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 367998  | 14.91 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.81  | 128 | 181665  | 19.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.53  | 143 | 201898  | 22.85 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 401198  | 17.85 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.58 | 131 | 445691  | 16.30 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.73 | 166 | 1213720 | 18.60 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.00 | 160 | 1423690 | 18.60 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.51 | 143 | 150182  | 14.22 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.30 | 176 | 1064976 | 19.16 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 98424   | 14.42 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.15 | 188 | 1634788 | 19.69 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.45 | 212 | 1826645 | 21.32 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.31 | 264 | 2246301 | 20.37 | ng/ul | 0.00 |

## Target Compounds

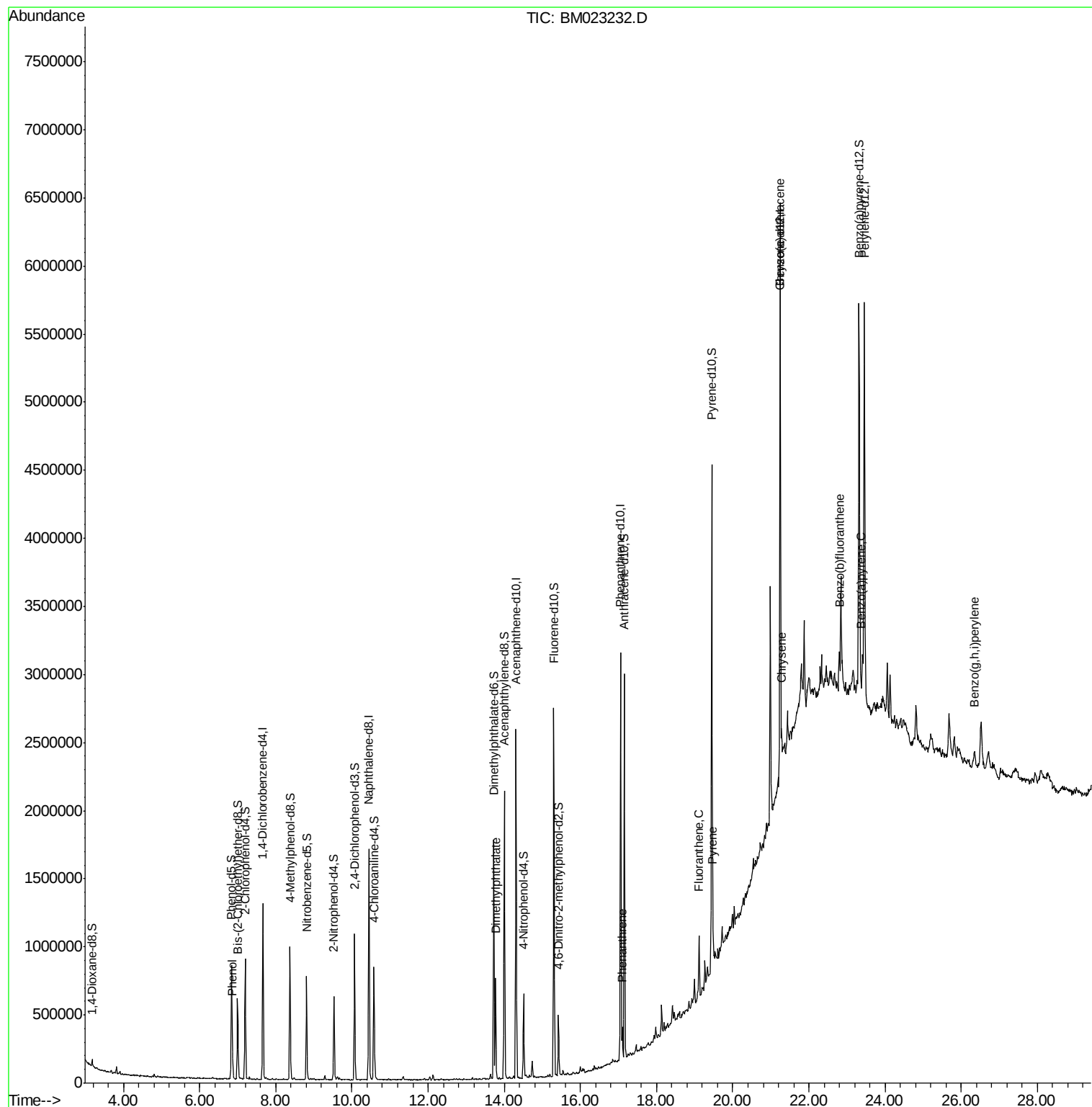
|                          |       |     |        | Ovalue |           |
|--------------------------|-------|-----|--------|--------|-----------|
| 6) Phenol                | 6.86  | 94  | 80938  | 2.555  | ng/ul 98  |
| 45) Dimethylphthalate    | 13.77 | 163 | 485051 | 7.427  | ng/ul 100 |
| 70) Phenanthrene         | 17.10 | 178 | 140923 | 1.459  | ng/ul 99  |
| 77) Fluoranthene         | 19.12 | 202 | 273904 | 2.384  | ng/ul 99  |
| 80) Pyrene               | 19.48 | 202 | 214802 | 1.938  | ng/ul 100 |
| 83) Benzo(a)anthracene   | 21.23 | 228 | 140367 | 1.171  | ng/ul# 87 |
| 85) Chrysene             | 21.28 | 228 | 142005 | 1.276  | ng/ul# 93 |
| 88) Benzo(b)fluoranthene | 22.80 | 252 | 218767 | 1.658  | ng/ul# 81 |
| 91) Benzo(a)pyrene       | 23.36 | 252 | 144312 | 1.140  | ng/ul# 78 |
| 94) Benzo(a,h,i)perylene | 26.35 | 276 | 124779 | 1.007  | ng/ul 97  |

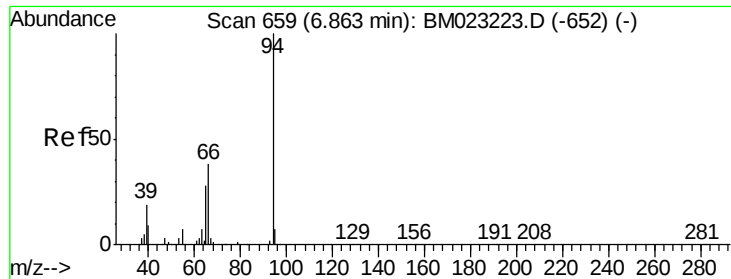
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 18 06:52:01 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 2.555 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. -0.00 min

Lab File: BM023232.D

Acq: 17 Oct 2019 22:41

Instrument :

BNA\_M

ClientSampleId :

BEPL6

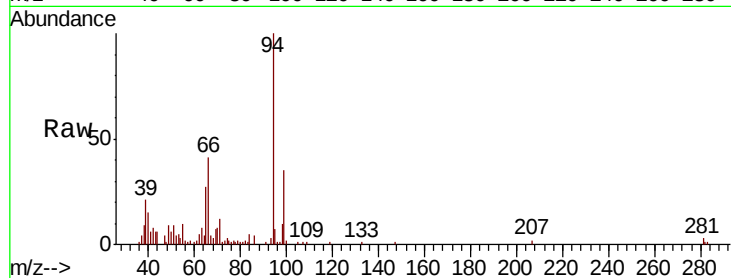
Tot Ion: 94 Resp: 80938

Ion Ratio Lower Upper

94 100

65 27.5 23.7 35.5

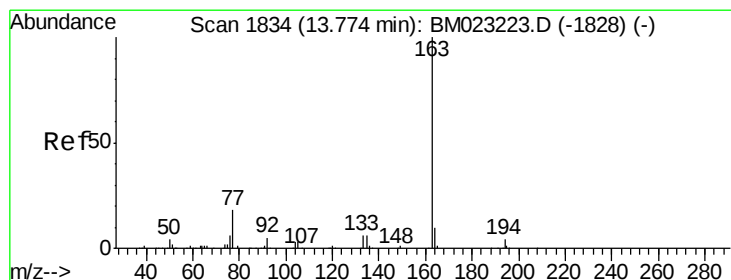
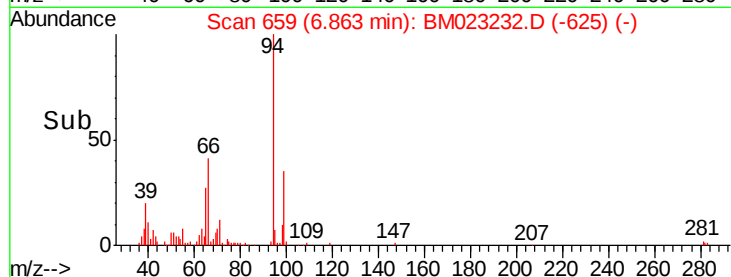
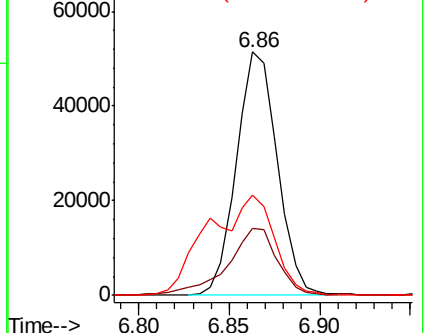
66 41.4 32.9 49.3



Abundance Ion 94.00 (93.70 to 94.70): BM023223.D (-652) (-)

Ion 65.00 (64.70 to 65.70): BM023223.D (-652) (-)

Ion 66.00 (65.70 to 66.70): BM023223.D (-652) (-)



#45

Dimethylphthalate

Concen: 7.427 ng/ul

RT: 13.77 min Scan# 1834

Delta R.T. -0.00 min

Lab File: BM023232.D

Acq: 17 Oct 2019 22:41

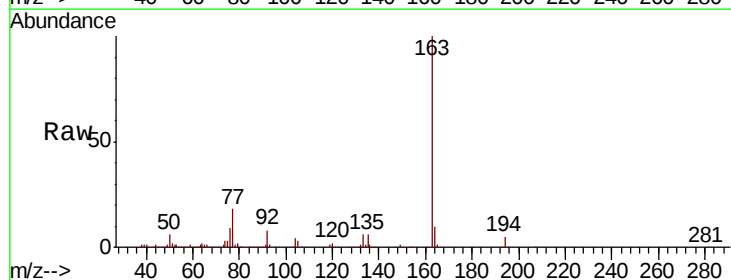
Tgt Ion:163 Resp: 485051

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

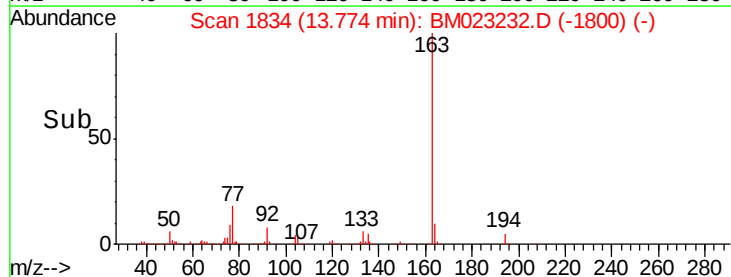
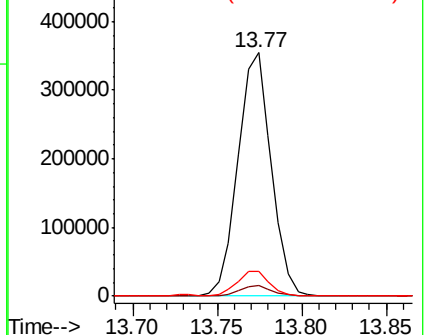
164 9.9 8.0 12.0

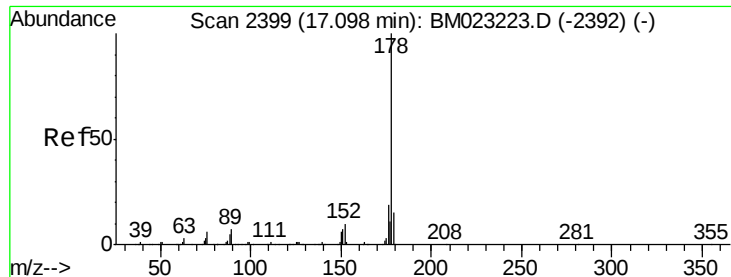


Abundance Ion 163.00 (162.70 to 163.70): BM023223.D (-1828) (-)

Ion 194.00 (193.70 to 194.70): BM023223.D (-1828) (-)

Ion 164.00 (163.70 to 164.70): BM023223.D (-1828) (-)





#70

Phenanthrene

Concen: 1.459 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BM023232.D

Acq: 17 Oct 2019 22:41

Instrument :

BNA\_M

ClientSampled :

BEPL6

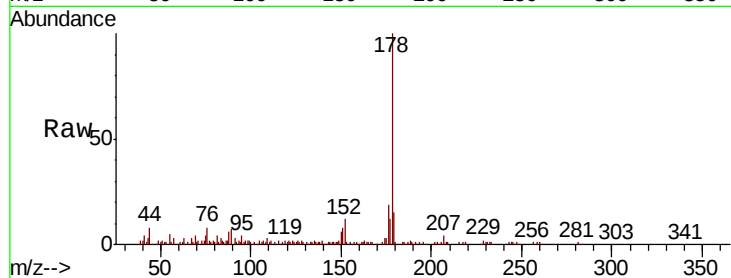
Tot Ion:178 Resp: 140923

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

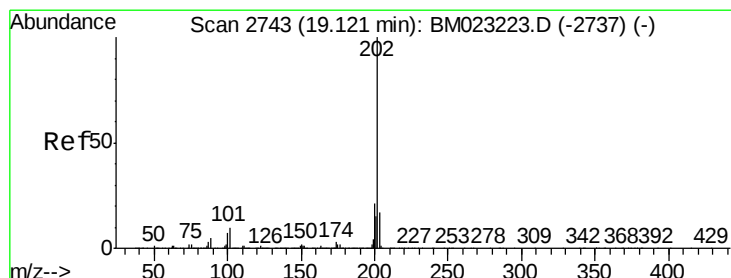
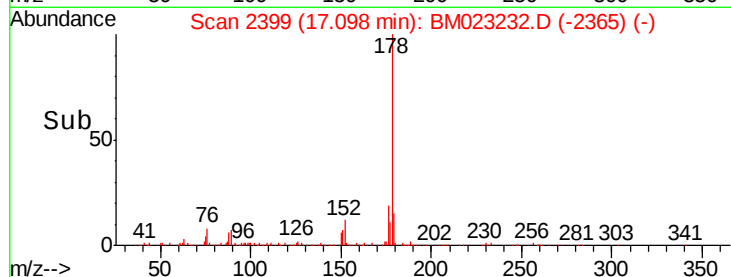
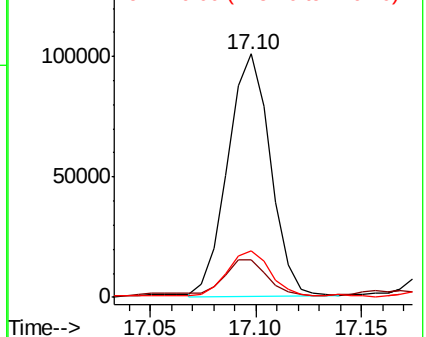
176 19.0 15.5 23.3



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



#77

Fluoranthene

Concen: 2.384 ng/ul

RT: 19.12 min Scan# 2742

Delta R.T. -0.01 min

Lab File: BM023232.D

Acq: 17 Oct 2019 22:41

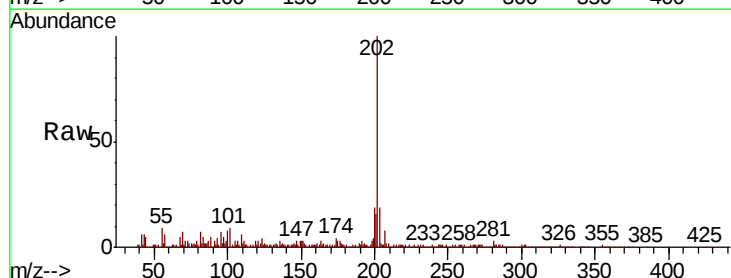
Tgt Ion:202 Resp: 273904

Ion Ratio Lower Upper

202 100

101 9.1 7.8 11.8

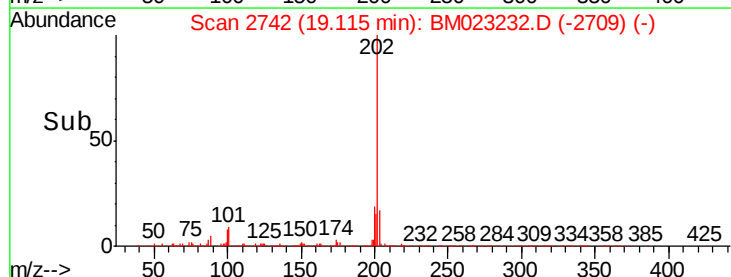
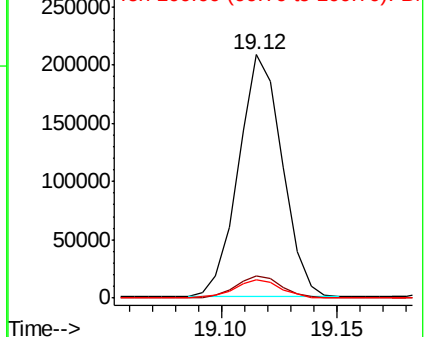
100 7.7 6.1 9.1

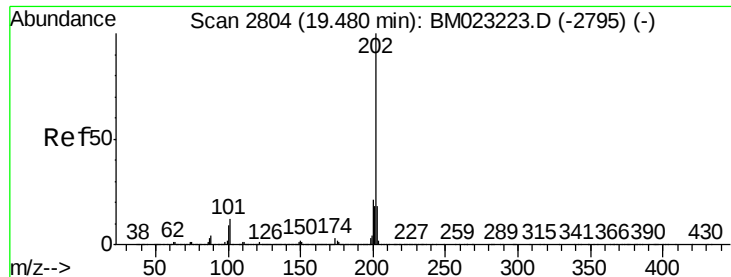


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

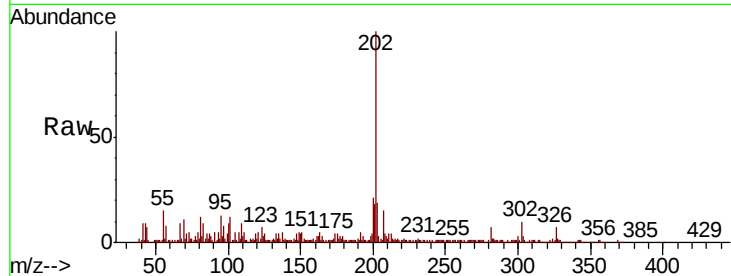




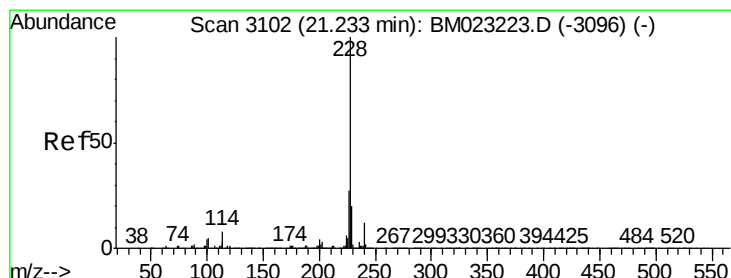
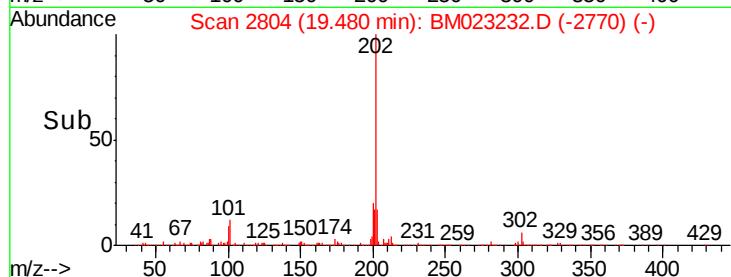
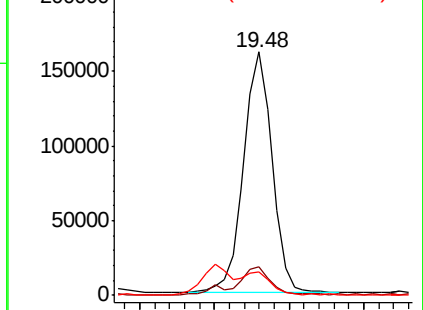
#80  
Pvrene  
Concen: 1.938 ng/ul  
RT: 19.48 min Scan# 2804  
Delta R.T. -0.00 min  
Lab File: BM023232.D  
Acq: 17 Oct 2019 22:41

Instrument :  
BNA\_M  
ClientSampleId :  
BEPL6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.6  | 9.1   | 13.7  |
| 100     | 9.4   | 7.5   | 11.3  |

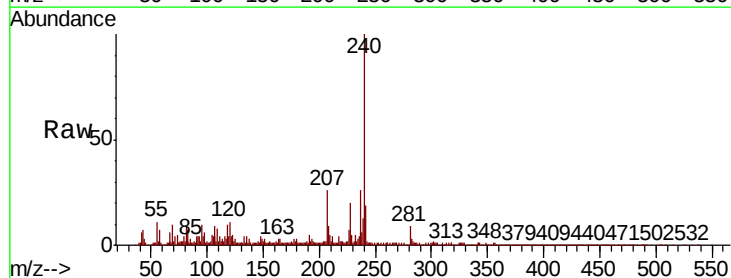


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

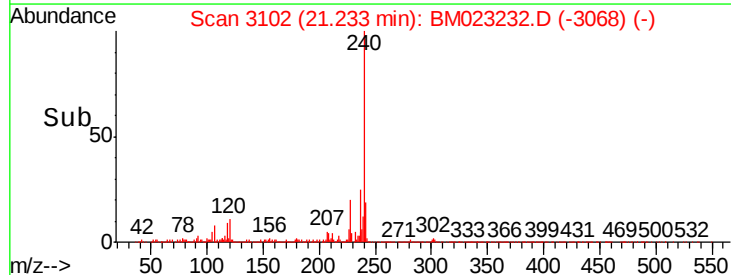
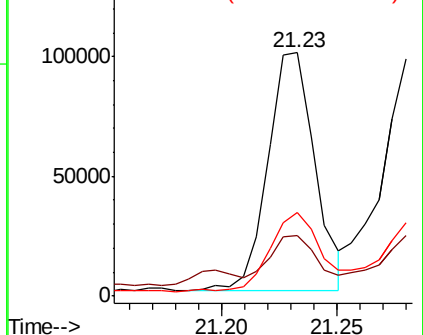


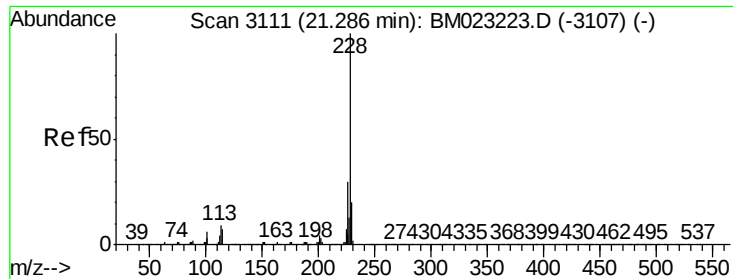
#83  
Benzo(a)anthracene  
Concen: 1.171 ng/ul  
RT: 21.23 min Scan# 3102  
Delta R.T. -0.00 min  
Lab File: BM023232.D  
Acq: 17 Oct 2019 22:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 25.0  | 15.7  | 23.5# |
| 226     | 34.2  | 21.6  | 32.4# |



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

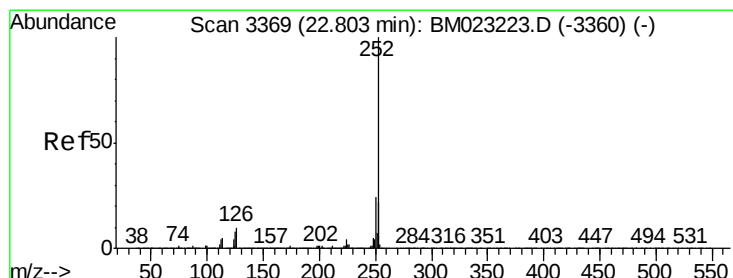
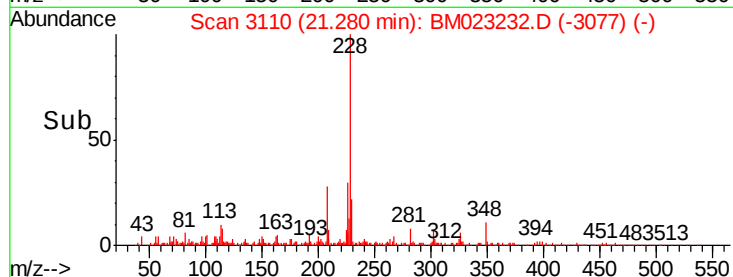
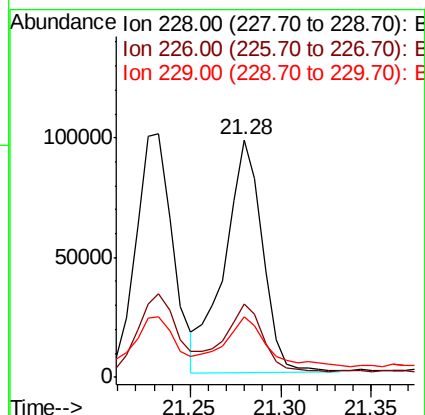
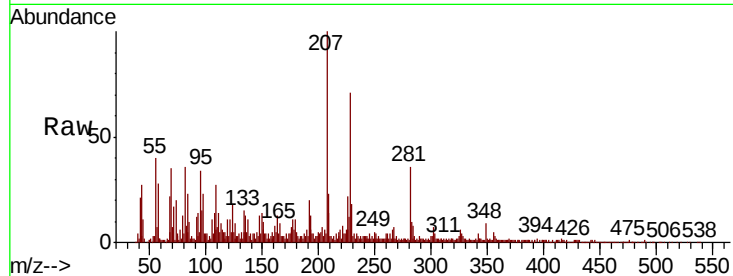




#85  
Chrysene  
Concen: 1.276 ng/ul  
RT: 21.28 min Scan# 3110  
Delta R.T. -0.01 min  
Lab File: BM023232.D  
Acq: 17 Oct 2019 22:41

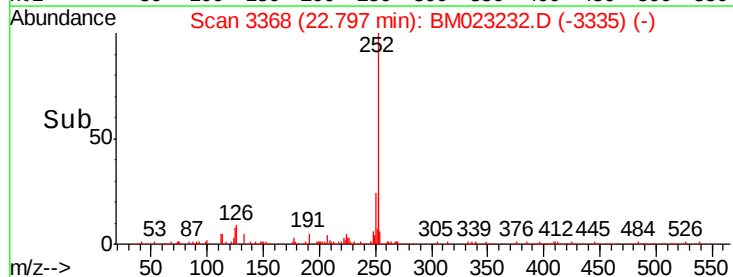
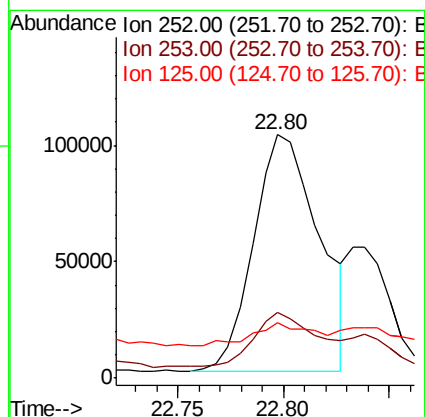
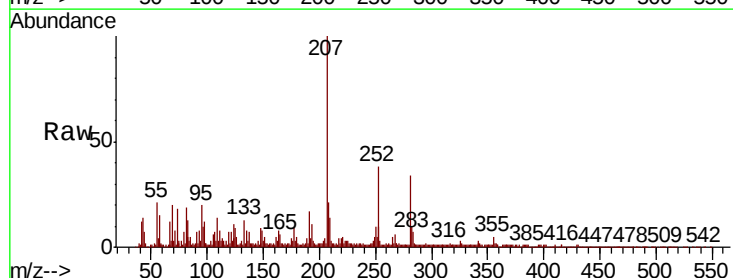
Instrument :  
BNA\_M  
ClientSampleId :  
BEPL6

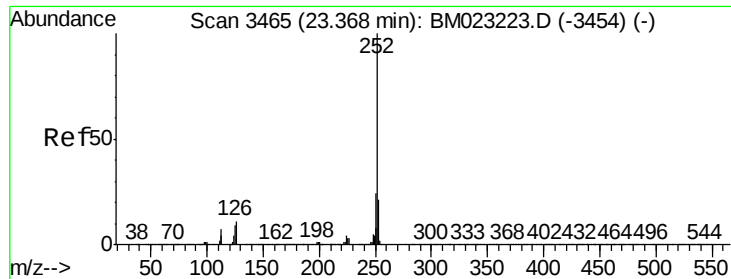
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.2  | 23.8  | 35.6  |
| 229     | 25.3  | 15.5  | 23.3# |



#88  
Benzo(b)fluoranthene  
Concen: 1.658 ng/ul  
RT: 22.80 min Scan# 3368  
Delta R.T. -0.01 min  
Lab File: BM023232.D  
Acq: 17 Oct 2019 22:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.8  | 17.6  | 26.4# |
| 125     | 22.8  | 6.4   | 9.6#  |





#91

Benzo(a)pyrene

Concen: 1.140 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. -0.01 min

Lab File: BM023232.D

Acq: 17 Oct 2019 22:41

Instrument :

BNA\_M

ClientSampleId :

BEPL6

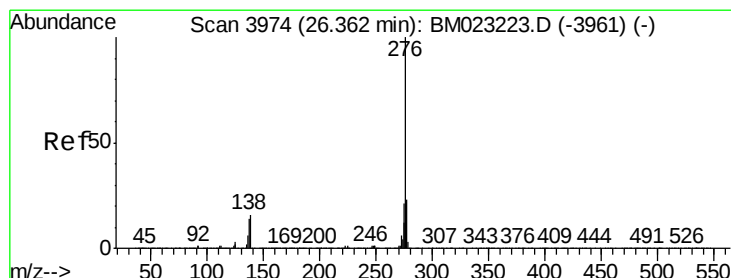
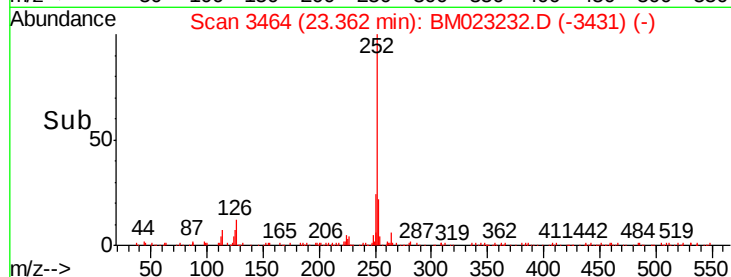
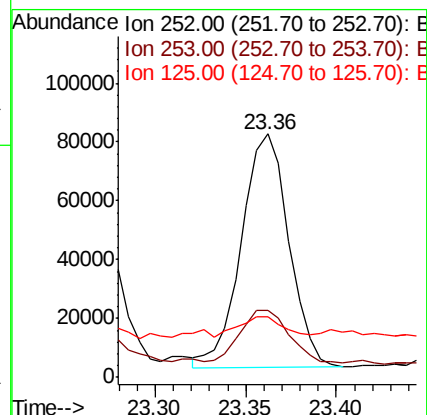
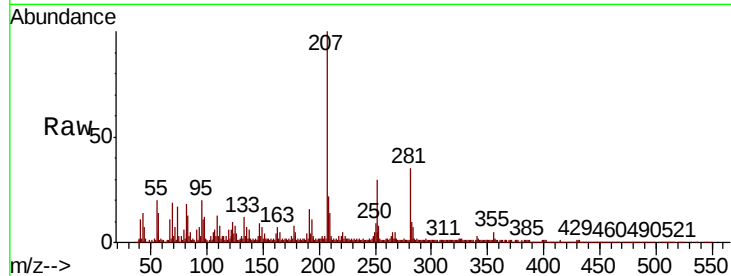
Tot Ion:252 Resp: 144312

Ion Ratio Lower Upper

252 100

253 27.6 17.2 25.8#

125 24.8 7.4 11.0#



#94

Benzo(g,h,i)perylene

Concen: 1.007 ng/ul

RT: 26.35 min Scan# 3972

Delta R.T. -0.01 min

Lab File: BM023232.D

Acq: 17 Oct 2019 22:41

Tgt Ion:276 Resp: 124779

Ion Ratio Lower Upper

276 100

138 19.6 14.4 21.6

277 26.0 19.4 29.2

