

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM090316\  
 Data File : BM007386.D  
 Acq On : 03 Sep 2016 02:22  
 Operator : UM/SJ  
 Sample : H4639-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BD383

Quant Time: Sep 03 03:05:29 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM082316.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Sep 03 01:45:38 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 184353   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.58 | 136  | 872992   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.42 | 164  | 608568   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.17 | 188  | 1613523  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.35 | 240  | 2200737  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.62 | 264  | 2263505  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.31  | 96  | 6728    | 1.87  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.96  | 99  | 178533  | 10.25 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.13  | 67  | 109256  | 11.94 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.33  | 132 | 140517  | 10.92 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.49  | 113 | 150566  | 9.91  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.95  | 128 | 76629   | 11.96 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.66  | 143 | 92837   | 12.40 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.20 | 165 | 173272  | 11.63 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 16844   | 0.91  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.83 | 166 | 716832  | 13.65 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.12 | 160 | 821503  | 13.50 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.63 | 143 | 85778   | 8.65  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.42 | 176 | 649017  | 14.29 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 110979  | 10.94 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.26 | 188 | 1075270 | 14.27 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.56 | 212 | 1460283 | 15.87 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.47 | 264 | 1502408 | 14.41 | ng/ul | 0.00 |

## Target Compounds

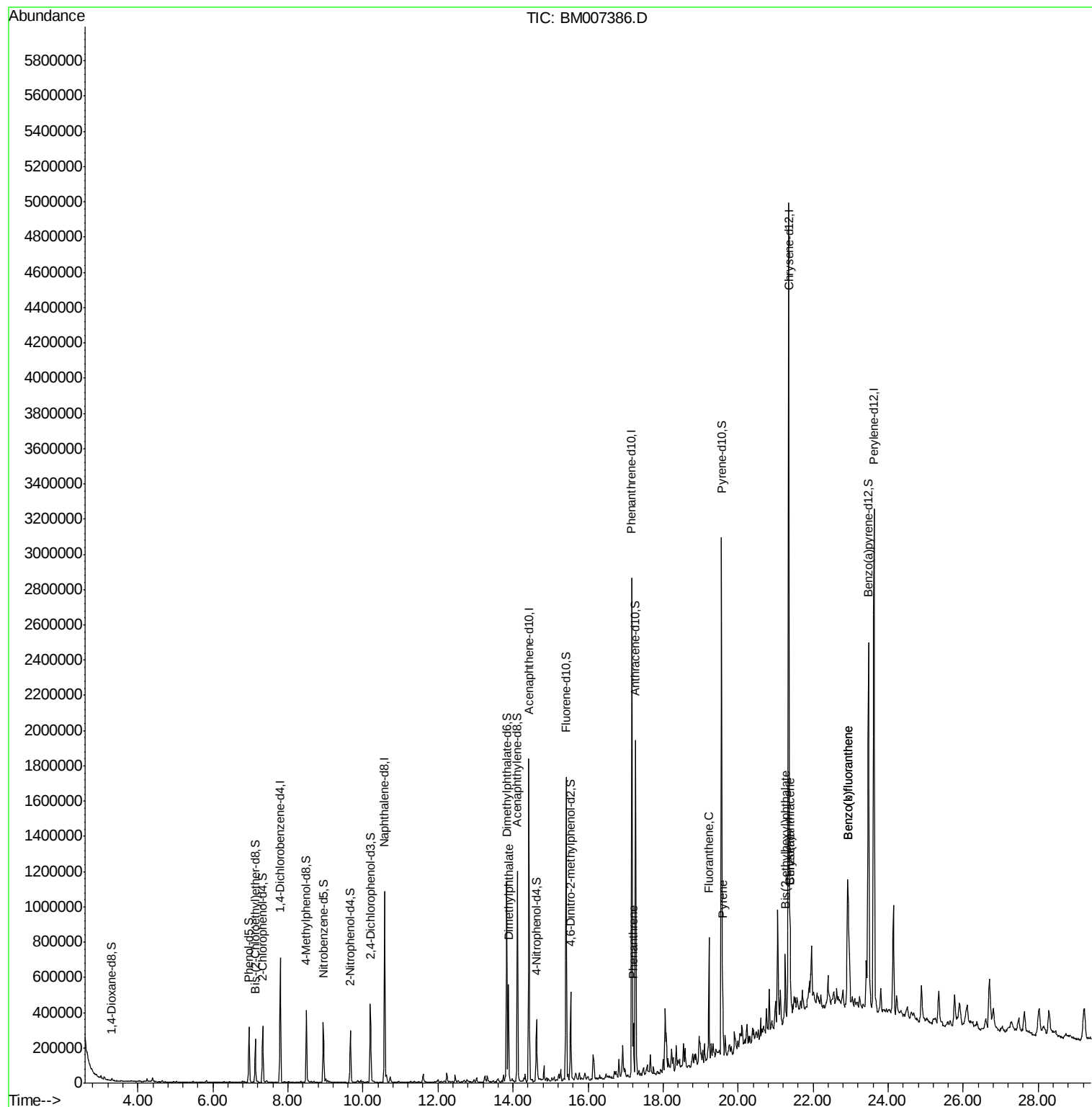
|                                |       |     |        |      |        | Qvalue |
|--------------------------------|-------|-----|--------|------|--------|--------|
| 44) Dimethylphthalate          | 13.88 | 163 | 321335 | 6.14 | ng/ul  | 99     |
| 69) Phenanthrene               | 17.21 | 178 | 177016 | 2.04 | ng/ul  | 99     |
| 74) Fluoranthene               | 19.22 | 202 | 342732 | 3.15 | ng/ul  | 99     |
| 77) Pyrene                     | 19.59 | 202 | 281011 | 2.38 | ng/ul  | 98     |
| 80) Benzo(a)anthracene         | 21.39 | 228 | 373233 | 2.88 | ng/ul  | 94     |
| 81) Bis(2-ethylhexyl)phthalate | 21.26 | 149 | 129269 | 1.81 | ng/ul# | 99     |
| 82) Chrysene                   | 21.39 | 228 | 373233 | 3.18 | ng/ul  | 97     |
| 85) Benzo(b)fluoranthene       | 22.93 | 252 | 492503 | 3.68 | ng/ul  | 98     |
| 86) Benzo(k)fluoranthene       | 22.93 | 252 | 492503 | 3.98 | ng/ul  | 99     |

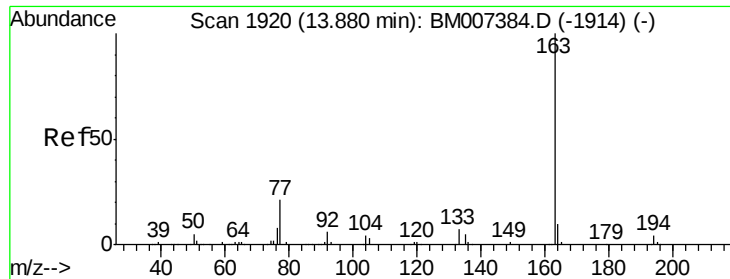
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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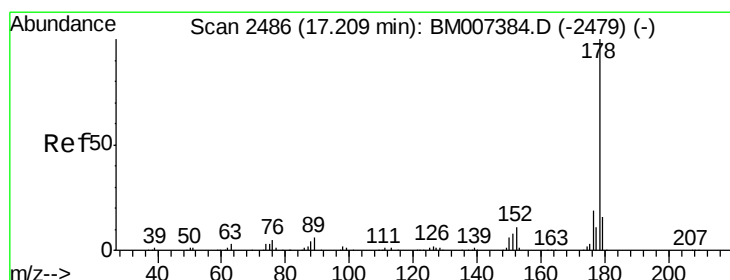
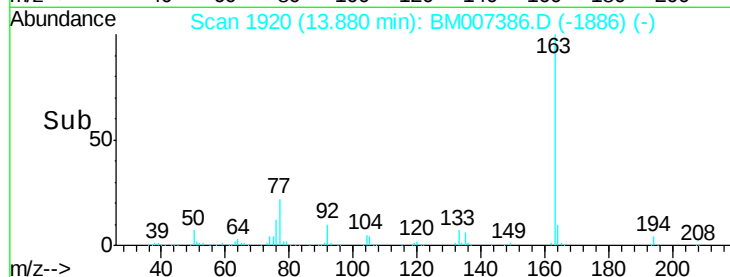
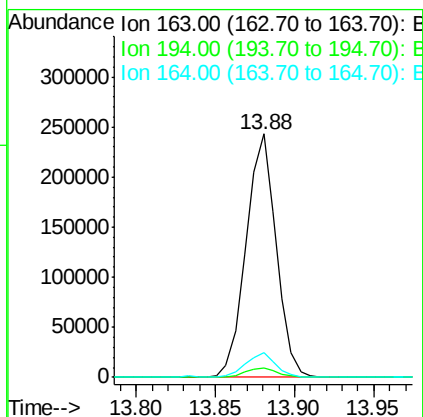
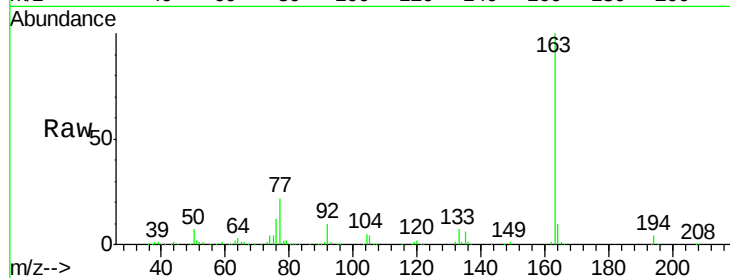




#44  
Dimethylphthalate  
Concen: 6.14 ng/u1  
RT: 13.88 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: BM007386.D  
Acq: 03 Sep 2016 02:22

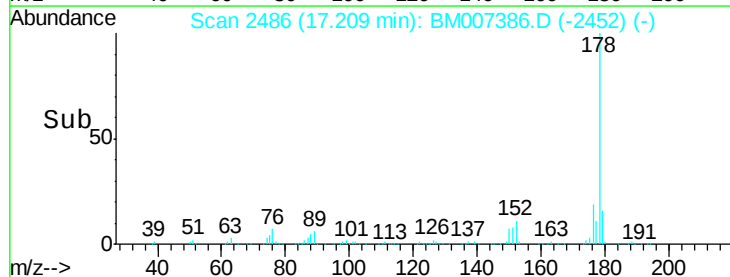
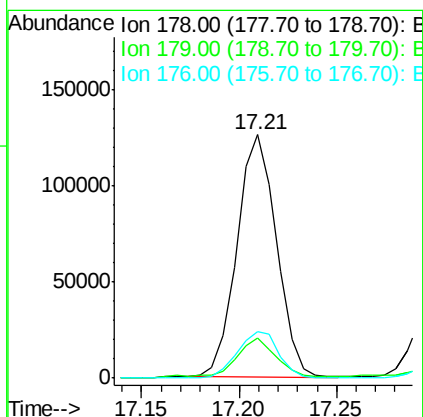
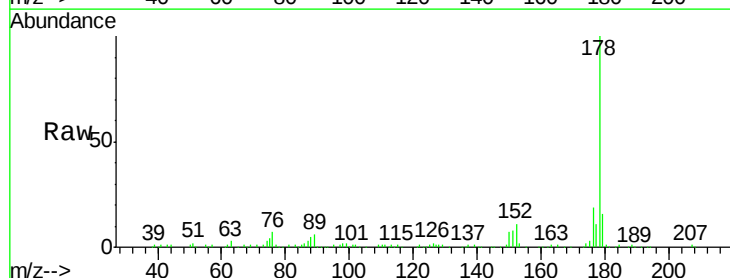
Instrument :  
BNA\_M  
ClientSampleId :  
BD383

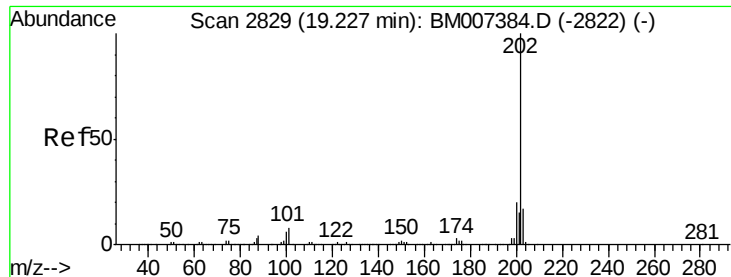
Tgt Ion:163 Resp: 321335  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.4 5.2  
164 9.9 7.8 11.8



#69  
Phenanthrene  
Concen: 2.04 ng/u1  
RT: 17.21 min Scan# 2486  
Delta R.T. 0.00 min  
Lab File: BM007386.D  
Acq: 03 Sep 2016 02:22

Tgt Ion:178 Resp: 177016  
Ion Ratio Lower Upper  
178 100  
179 16.3 12.2 18.2  
176 19.1 15.1 22.7





#74

Fluoranthene

Concen: 3.15 ng/ul

RT: 19.22 min Scan# 2828

Delta R.T. -0.01 min

Lab File: BM007386.D

Acq: 03 Sep 2016 02:22

Instrument :

BNA\_M

ClientSampleId :

BD383

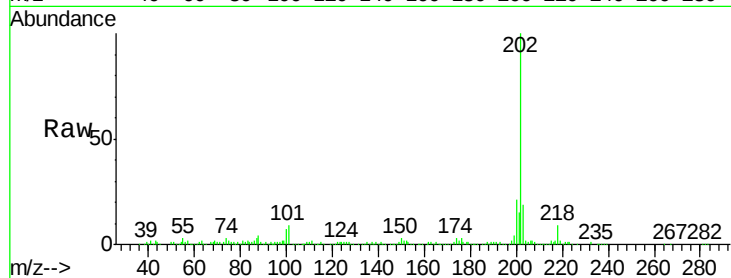
Tgt Ion:202 Resp: 342732

Ion Ratio Lower Upper

202 100

101 8.9 6.9 10.3

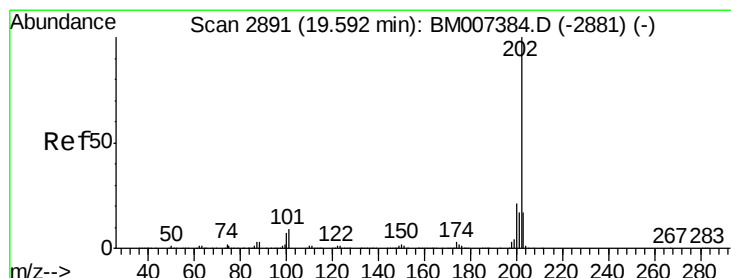
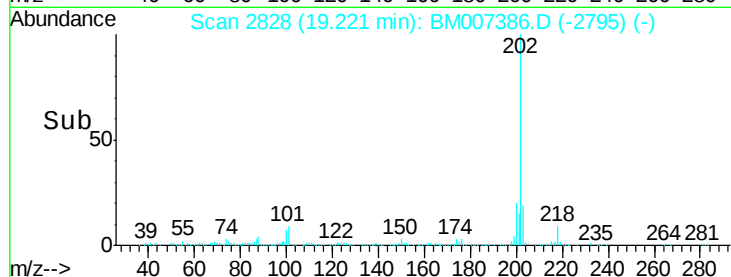
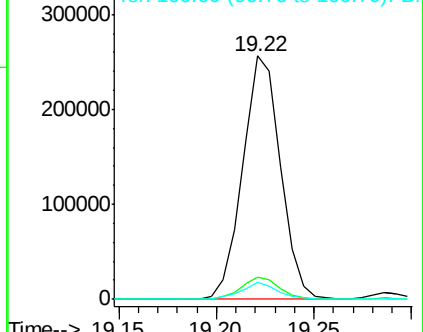
100 7.0 5.4 8.0



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

Pyrene

Concen: 2.38 ng/ul

RT: 19.59 min Scan# 2890

Delta R.T. -0.01 min

Lab File: BM007386.D

Acq: 03 Sep 2016 02:22

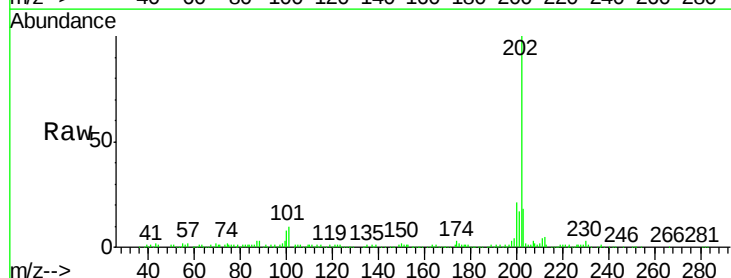
Tgt Ion:202 Resp: 281011

Ion Ratio Lower Upper

202 100

101 9.9 8.4 12.6

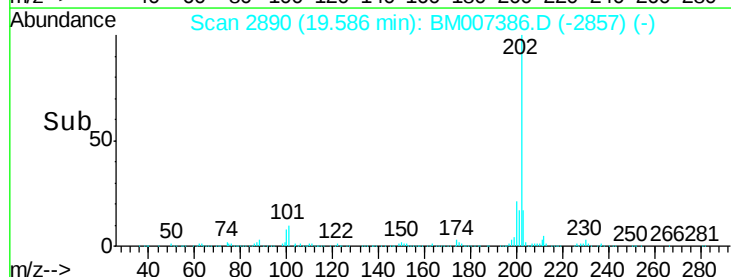
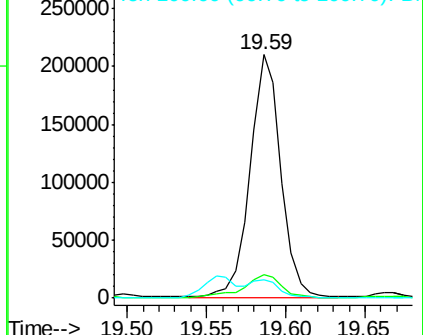
100 7.5 6.9 10.3

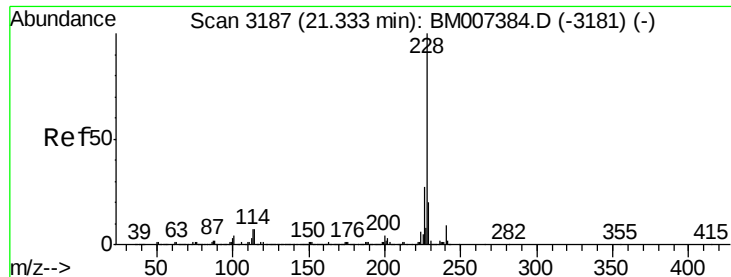


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.88 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. 0.05 min

Lab File: BM007386.D

Acq: 03 Sep 2016 02:22

Instrument :

BNA\_M

ClientSampleId :

BD383

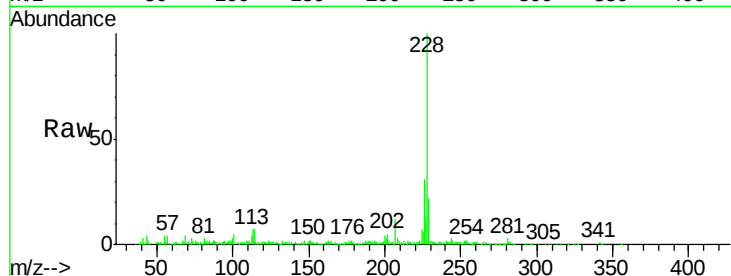
Tgt Ion:228 Resp: 373233

Ion Ratio Lower Upper

228 100

229 21.6 15.6 23.4

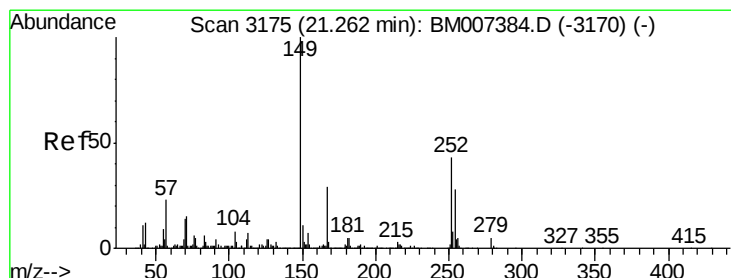
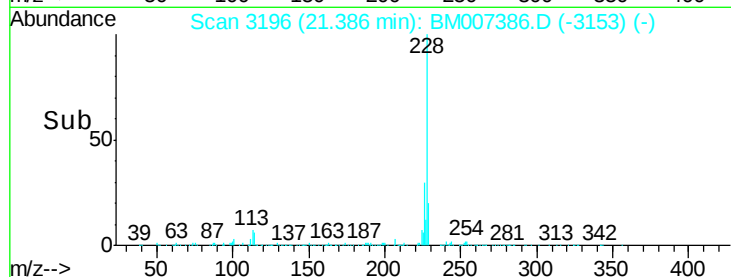
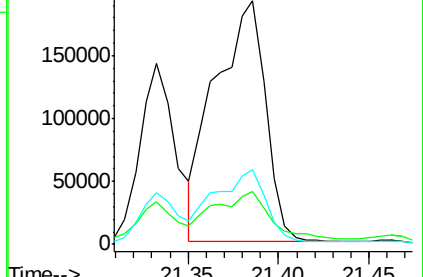
226 30.7 21.8 32.8



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.81 ng/ul

RT: 21.26 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BM007386.D

Acq: 03 Sep 2016 02:22

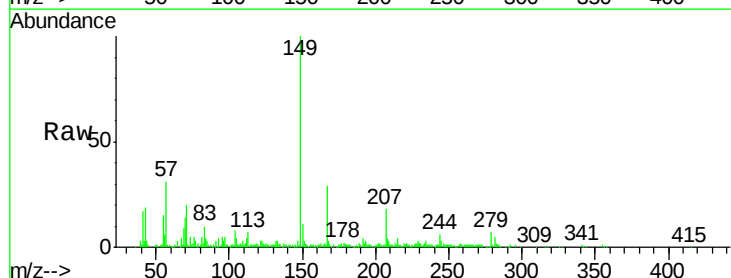
Tgt Ion:149 Resp: 129269

Ion Ratio Lower Upper

149 100

167 29.0 23.2 34.8

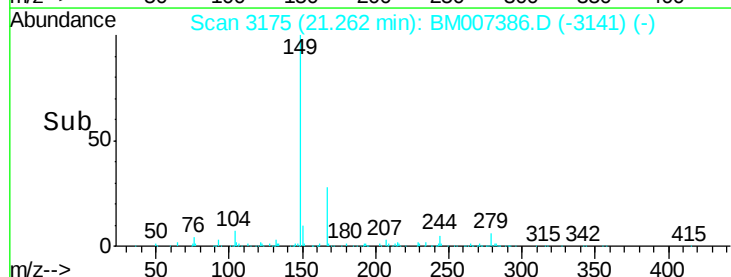
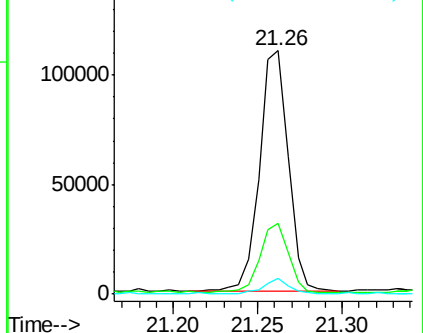
279 6.7 4.1 6.1#

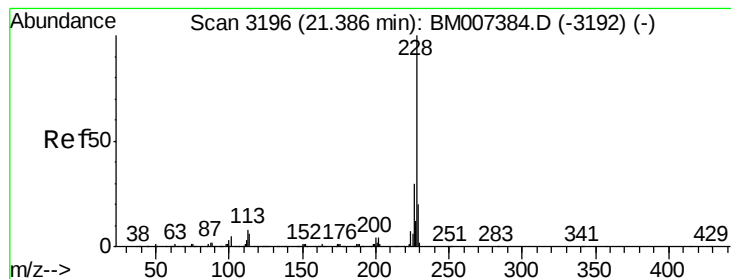


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 3.18 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. 0.00 min

Lab File: BM007386.D

Acq: 03 Sep 2016 02:22

Instrument :

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ClientSampleId :

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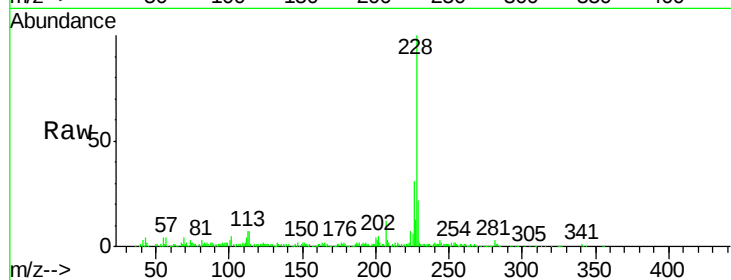
Tgt Ion: 228 Resp: 373233

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.2

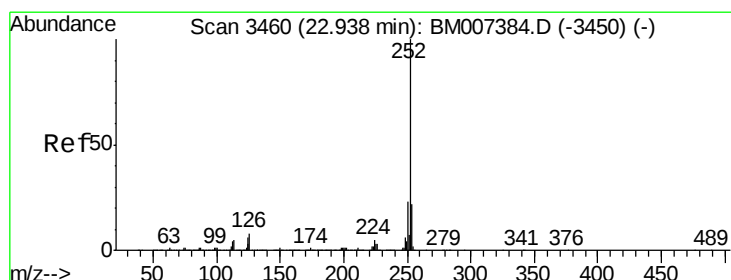
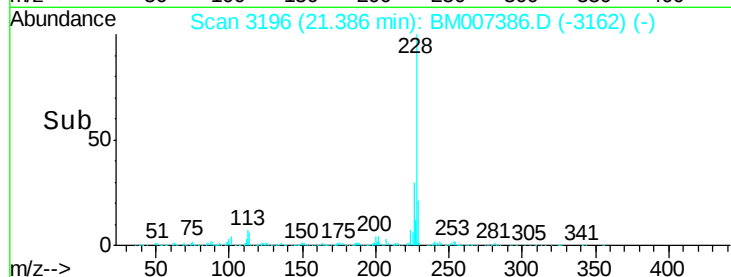
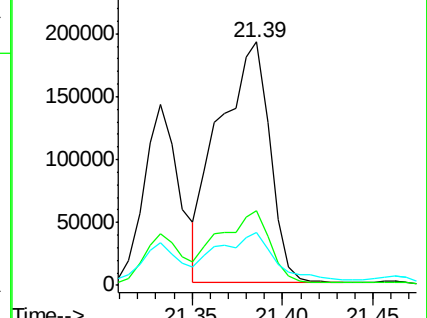
229 21.6 15.5 23.3



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: 3.68 ng/ul

RT: 22.93 min Scan# 3459

Delta R.T. -0.01 min

Lab File: BM007386.D

Acq: 03 Sep 2016 02:22

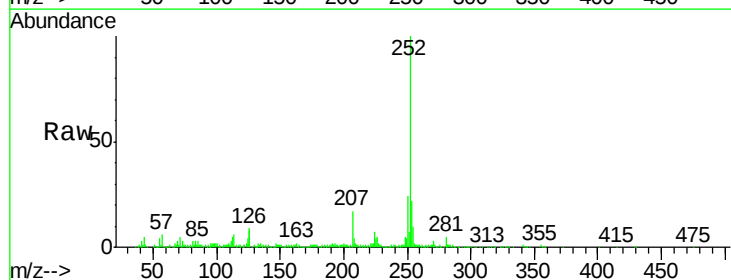
Tgt Ion: 252 Resp: 492503

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

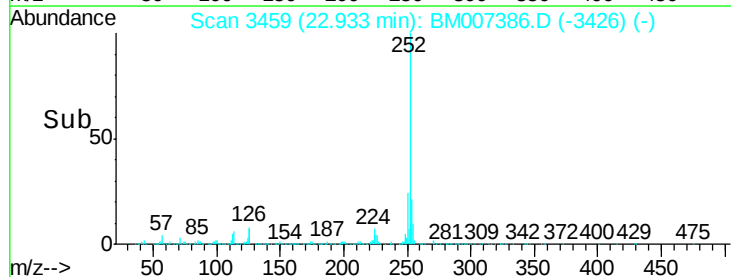
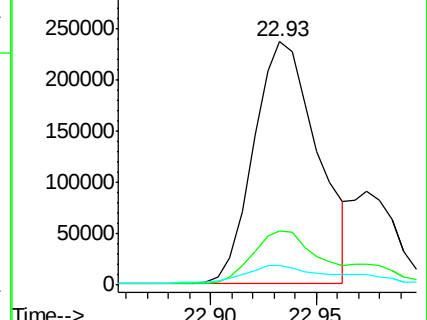
125 8.2 5.8 8.8

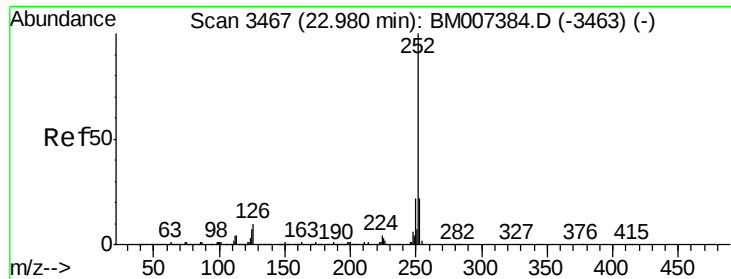


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 3.98 ng/ul

RT: 22.93 min Scan# 3459

Delta R.T. -0.05 min

Lab File: BM007386.D

Acq: 03 Sep 2016 02:22

Instrument :

BNA\_M

ClientSampleId :

BD383

Tgt Ion: 252 Resp: 492503

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 8.2 5.7 8.5

