

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM110115\  
 Data File : BM003039.D  
 Acq On : 01 Nov 2015 22:01  
 Operator : UM/IZ  
 Sample : G4210-09  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BC7F0

Quant Time: Nov 02 02:52:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM103015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 02 02:48:24 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 140563   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 594350   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.41 | 164  | 315015   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.15 | 188  | 653940   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.34 | 240  | 702617   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.61 | 264  | 699000   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 15894   | 5.33  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.92  | 99  | 314734  | 28.32 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 187361  | 28.84 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 275426  | 29.25 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.46  | 113 | 259733  | 28.99 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 126301  | 34.85 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.64  | 143 | 128774  | 35.07 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 247099  | 30.00 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.69 | 131 | 288276  | 27.05 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.82 | 166 | 753210  | 31.78 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.10 | 160 | 932613  | 31.05 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.59 | 143 | 99256   | 24.85 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.40 | 176 | 640992  | 31.28 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 70576   | 23.30 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.25 | 188 | 960887  | 33.14 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.54 | 212 | 1044963 | 30.21 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.47 | 264 | 1134091 | 34.14 | ng/ul | 0.00 |

## Target Compounds

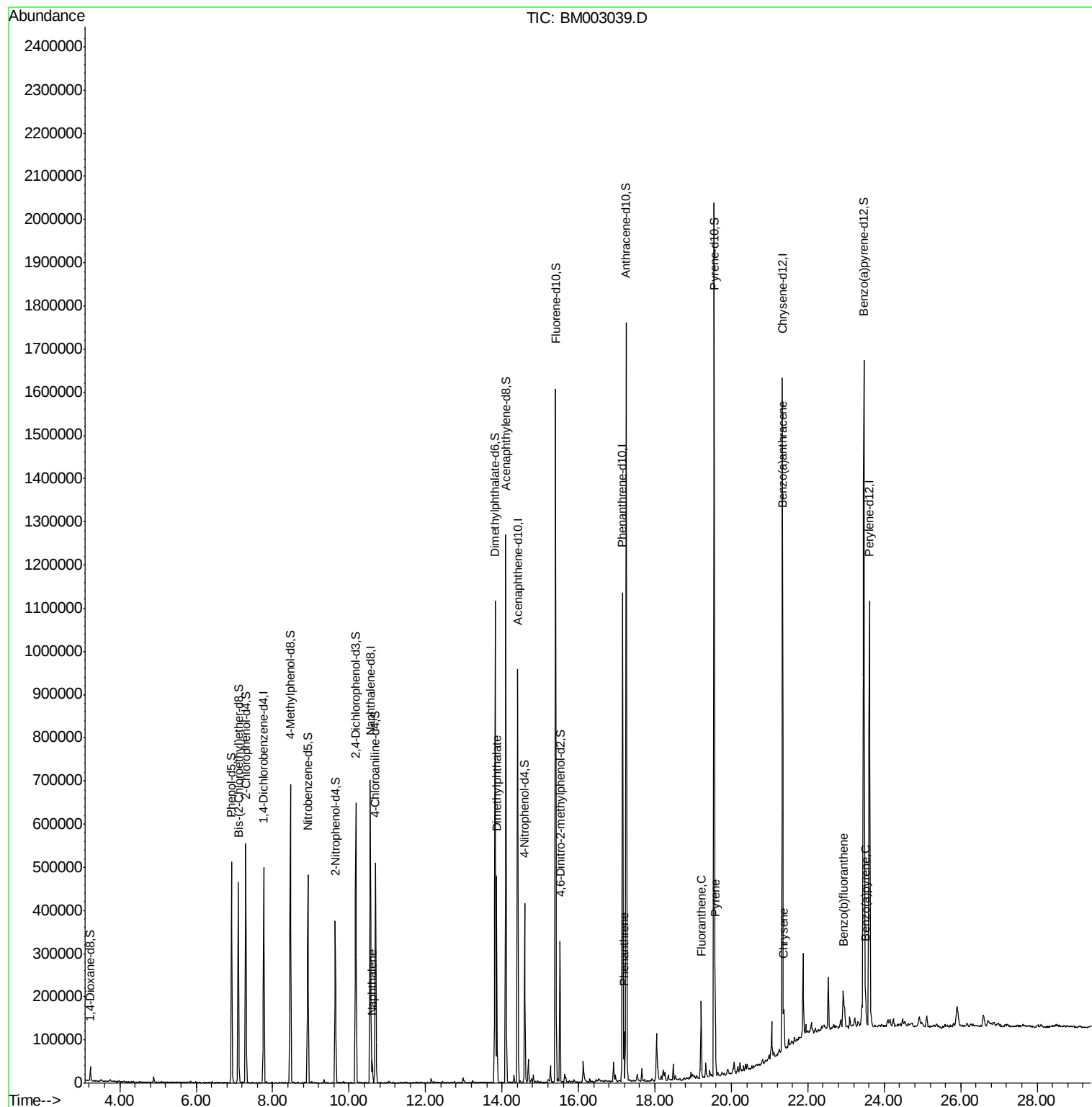
|                          |       |     |        |       |       | Qvalue |
|--------------------------|-------|-----|--------|-------|-------|--------|
| 28) Naphthalene          | 10.60 | 128 | 45059  | 1.51  | ng/ul | 98     |
| 45) Dimethylphthalate    | 13.86 | 163 | 308153 | 12.76 | ng/ul | 100    |
| 70) Phenanthrene         | 17.19 | 178 | 68896  | 1.86  | ng/ul | 99     |
| 77) Fluoranthene         | 19.21 | 202 | 97323  | 2.60  | ng/ul | 97     |
| 80) Pyrene               | 19.57 | 202 | 102359 | 2.23  | ng/ul | 96     |
| 83) Benzo(a)anthracene   | 21.33 | 228 | 57404  | 1.49  | ng/ul | 96     |
| 85) Chrysene             | 21.37 | 228 | 53805  | 1.41  | ng/ul | 96     |
| 88) Benzo(b)fluoranthene | 22.93 | 252 | 69120  | 1.72  | ng/ul | 99     |
| 91) Benzo(a)pyrene       | 23.51 | 252 | 53704  | 1.41  | ng/ul | 97     |

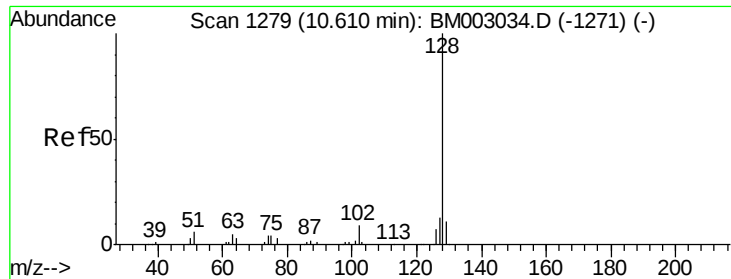
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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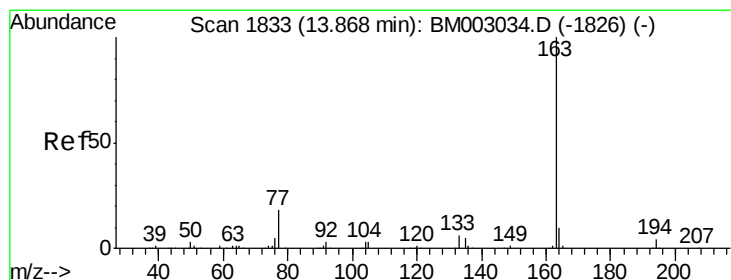
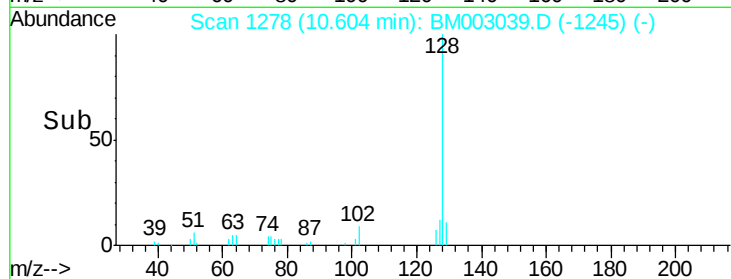
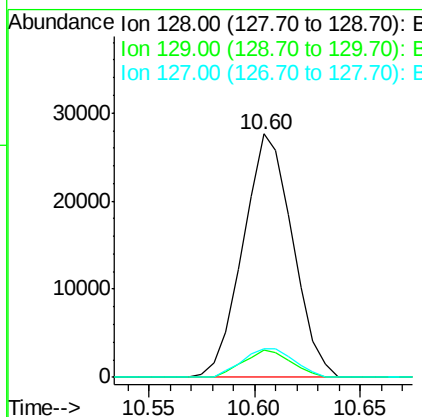
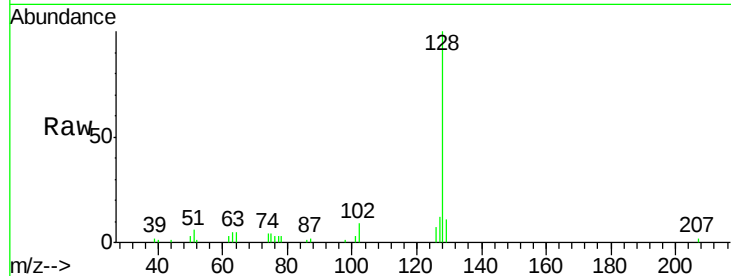




#28  
Naphthalene  
Concen: 1.51 ng/ul  
RT: 10.60 min Scan# 1278  
Delta R.T. -0.01 min  
Lab File: BM003039.D  
Acq: 01 Nov 2015 22:01

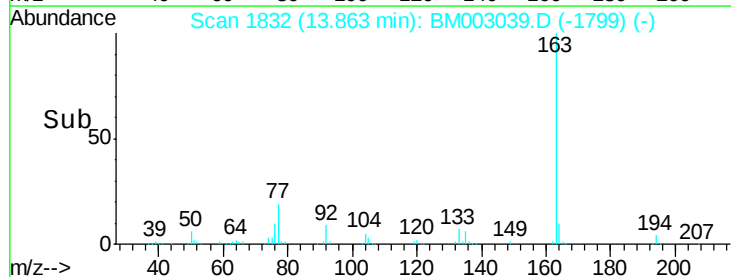
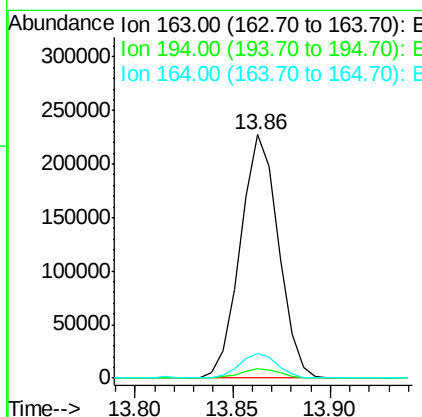
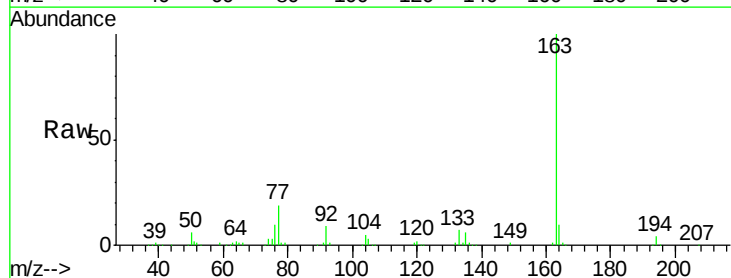
Instrument :  
BNA\_M  
ClientSampleId :  
BC7F0

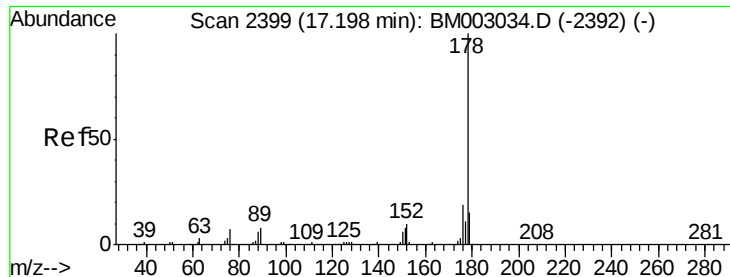
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 45059 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 11.0  | 8.8   | 13.2  |
| 127      | 11.6  | 10.5  | 15.7  |



#45  
Dimethylphthalate  
Concen: 12.76 ng/ul  
RT: 13.86 min Scan# 1832  
Delta R.T. -0.01 min  
Lab File: BM003039.D  
Acq: 01 Nov 2015 22:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 308153 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 4.0   | 3.2   | 4.8    |
| 164      | 10.0  | 7.8   | 11.8   |





#70

Phenanthrene

Concen: 1.86 ng/ul

RT: 17.19 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BM003039.D

Acq: 01 Nov 2015 22:01

Instrument :

BNA\_M

ClientSampleId :

BC7F0

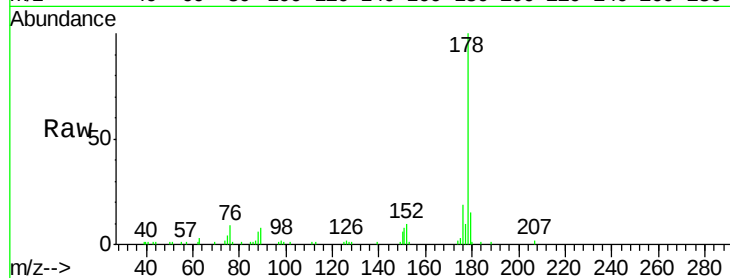
Tgt Ion:178 Resp: 68896

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.4

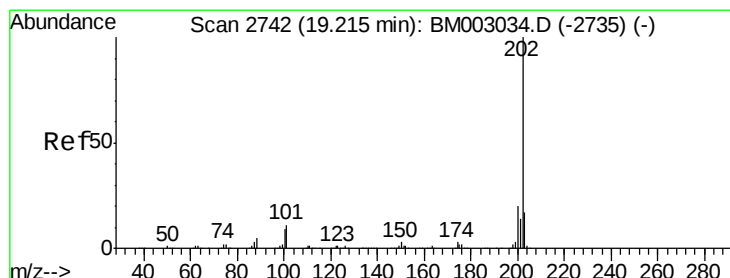
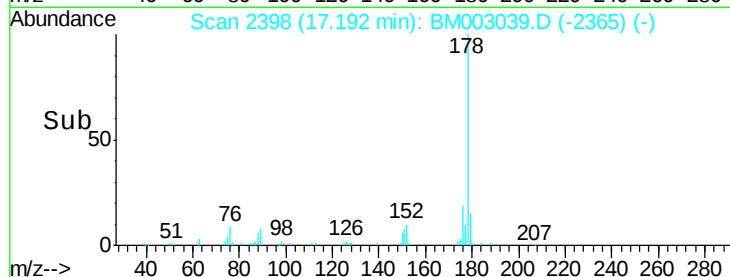
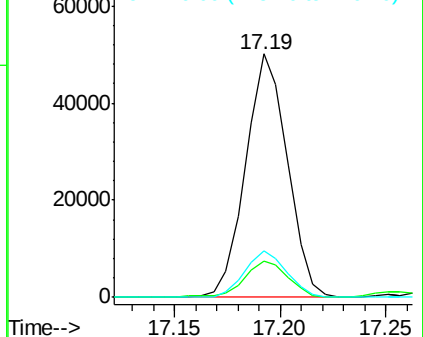
176 19.2 14.7 22.1



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: 2.60 ng/ul

RT: 19.21 min Scan# 2741

Delta R.T. -0.01 min

Lab File: BM003039.D

Acq: 01 Nov 2015 22:01

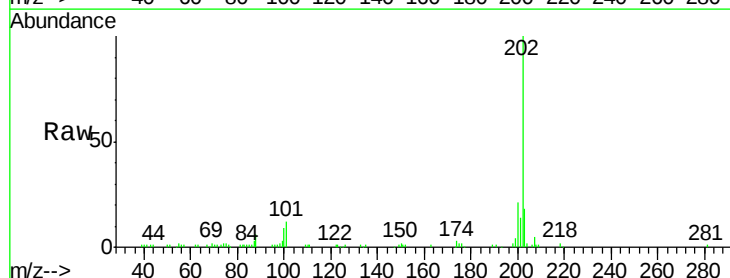
Tgt Ion:202 Resp: 97323

Ion Ratio Lower Upper

202 100

101 11.5 10.4 15.6

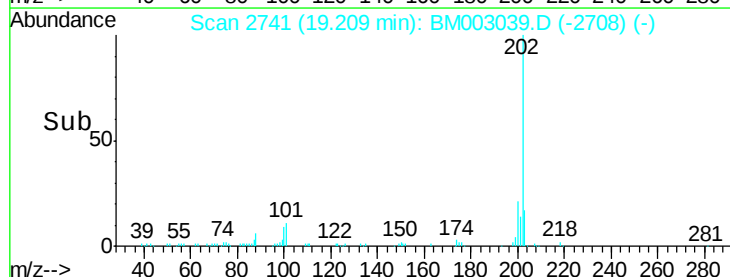
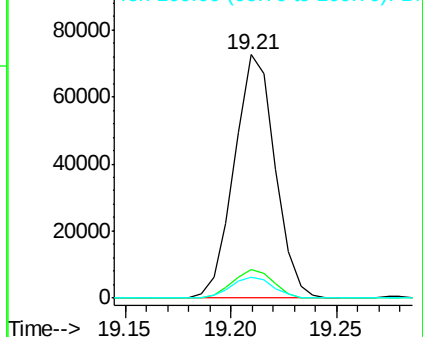
100 8.6 7.8 11.6

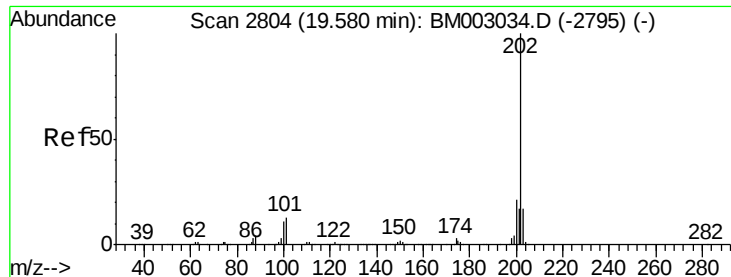


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

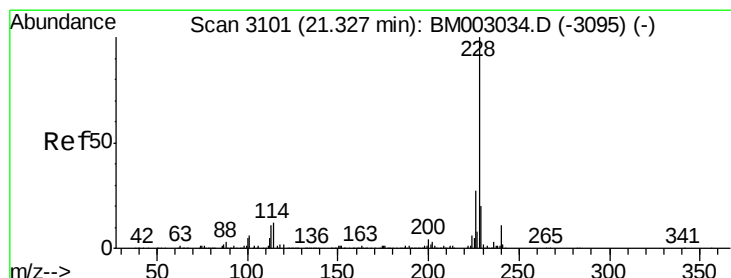
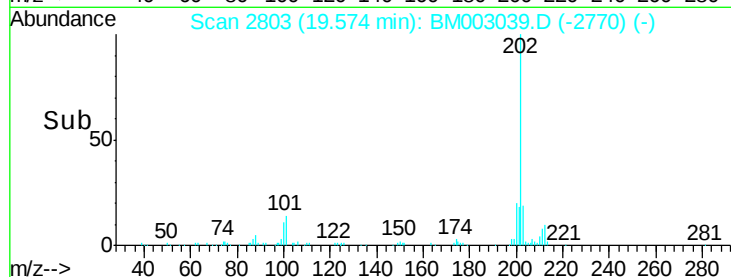
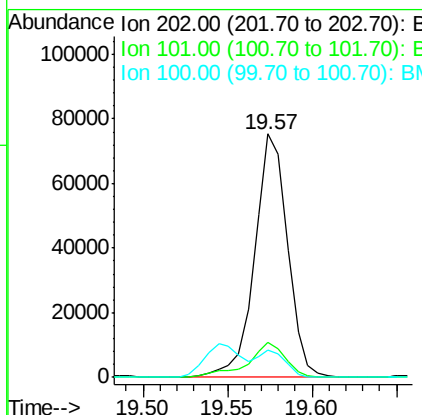
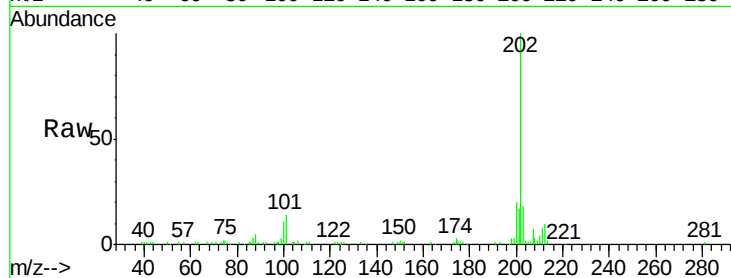




#80  
Pyrene  
Concen: 2.23 ng/ul  
RT: 19.57 min Scan# 2803  
Delta R.T. -0.01 min  
Lab File: BM003039.D  
Acq: 01 Nov 2015 22:01

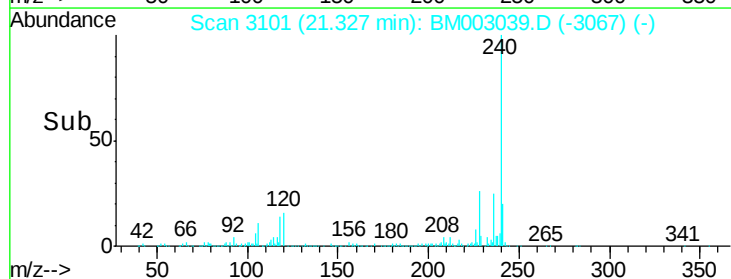
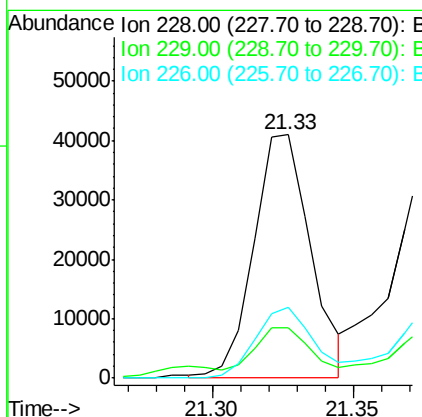
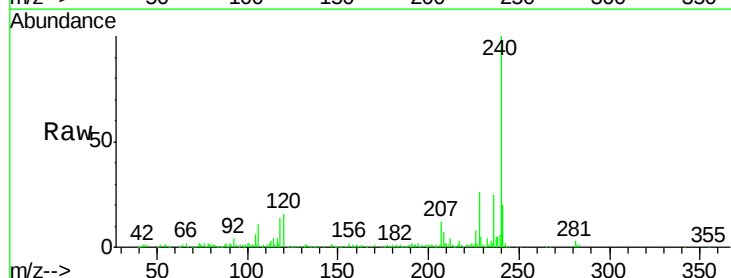
Instrument :  
BNA\_M  
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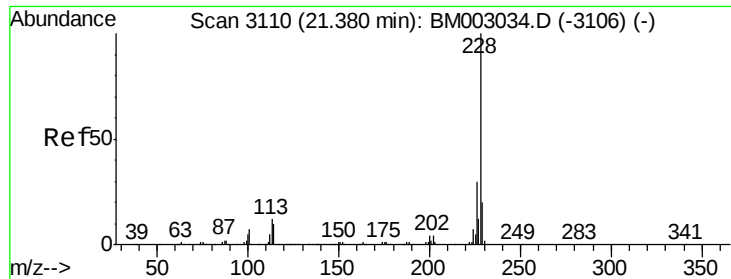
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.1  | 12.6  | 18.8  |
| 100     | 11.2  | 10.6  | 15.8  |



#83  
Benzo(a)anthracene  
Concen: 1.49 ng/ul  
RT: 21.33 min Scan# 3101  
Delta R.T. 0.00 min  
Lab File: BM003039.D  
Acq: 01 Nov 2015 22:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.7  | 15.6  | 23.4  |
| 226     | 29.0  | 21.0  | 31.6  |





#85

Chrysene

Concen: 1.41 ng/ul

RT: 21.37 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM003039.D

Acq: 01 Nov 2015 22:01

Instrument :

BNA\_M

ClientSampleId :

BC7F0

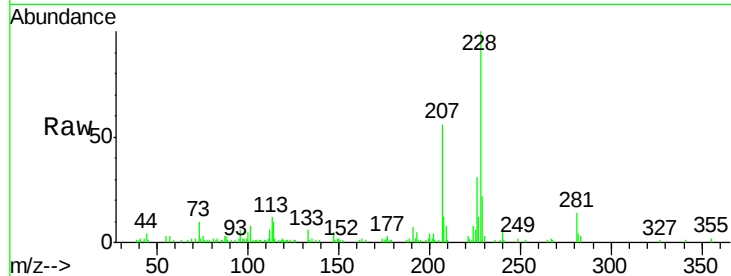
Tgt Ion:228 Resp: 53805

Ion Ratio Lower Upper

228 100

226 31.0 23.3 34.9

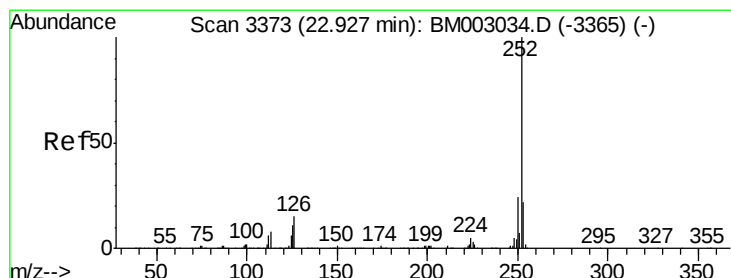
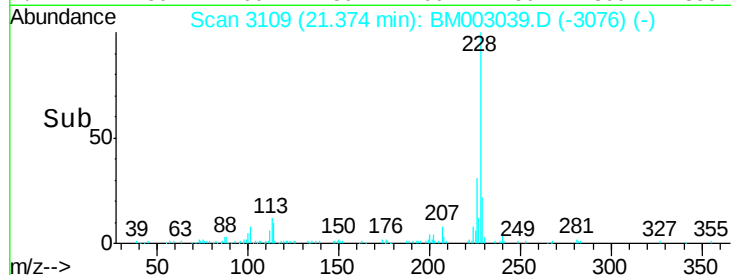
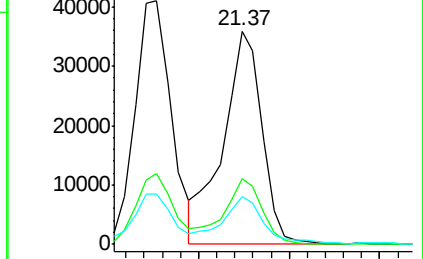
229 22.4 15.8 23.6



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



#88

Benzo(b)fluoranthene

Concen: 1.72 ng/ul

RT: 22.93 min Scan# 3373

Delta R.T. 0.00 min

Lab File: BM003039.D

Acq: 01 Nov 2015 22:01

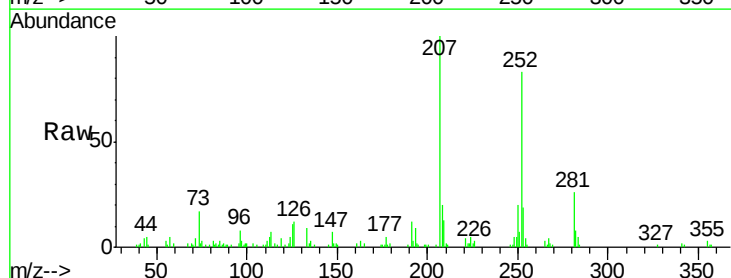
Tgt Ion:252 Resp: 69120

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

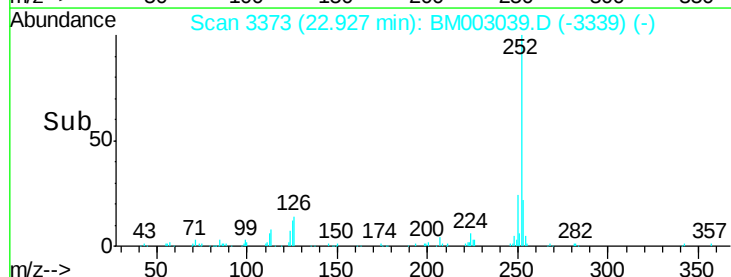
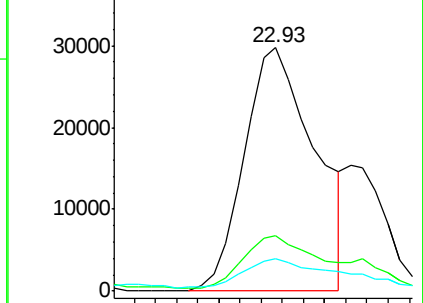
125 13.3 10.7 16.1

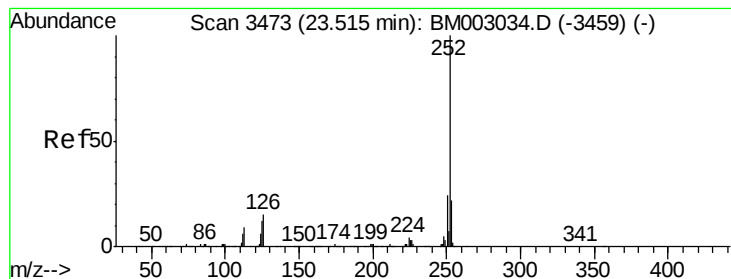


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 1.41 ng/ul

RT: 23.51 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BM003039.D

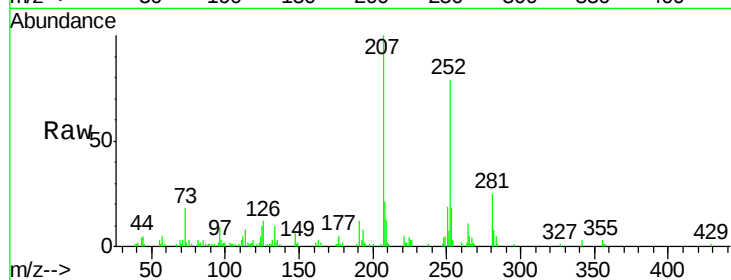
Acq: 01 Nov 2015 22:01

Instrument :

BNA\_M

ClientSampleId :

BC7F0



Tgt Ion: 252 Resp: 53704

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 13.2 11.9 17.9

