

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM092915\  
 Data File : BM002788.D  
 Acq On : 30 Sep 2015 18:58  
 Operator : UM/IZ  
 Sample : G3838-21  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E5MX7

Quant Time: Oct 01 07:07:56 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM092915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 01 07:01:42 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.70  | 152  | 99215    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.56 | 136  | 411350   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 15.30 | 164  | 196681   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 18.01 | 188  | 380598   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 22.10 | 240  | 360559   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.70 | 264  | 375321   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.77  | 96  | 9717   | 4.55  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.82  | 99  | 196701 | 26.17 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.99  | 67  | 112617 | 26.63 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.22  | 132 | 183784 | 26.26 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.40  | 113 | 158807 | 25.62 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.90  | 128 | 85203  | 27.16 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.63 | 143 | 90702  | 27.66 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 11.17 | 165 | 147368 | 25.47 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.69 | 131 | 205159 | 29.46 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.68 | 166 | 407013 | 27.51 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 15.00 | 160 | 540690 | 27.38 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.47 | 143 | 66558  | 25.33 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 16.27 | 176 | 348913 | 26.18 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 16.40 | 200 | 29250  | 15.76 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 18.11 | 188 | 498386 | 27.44 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 20.34 | 212 | 477137 | 28.35 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.53 | 264 | 532872 | 27.75 | ng/ul | 0.00 |

## Target Compounds

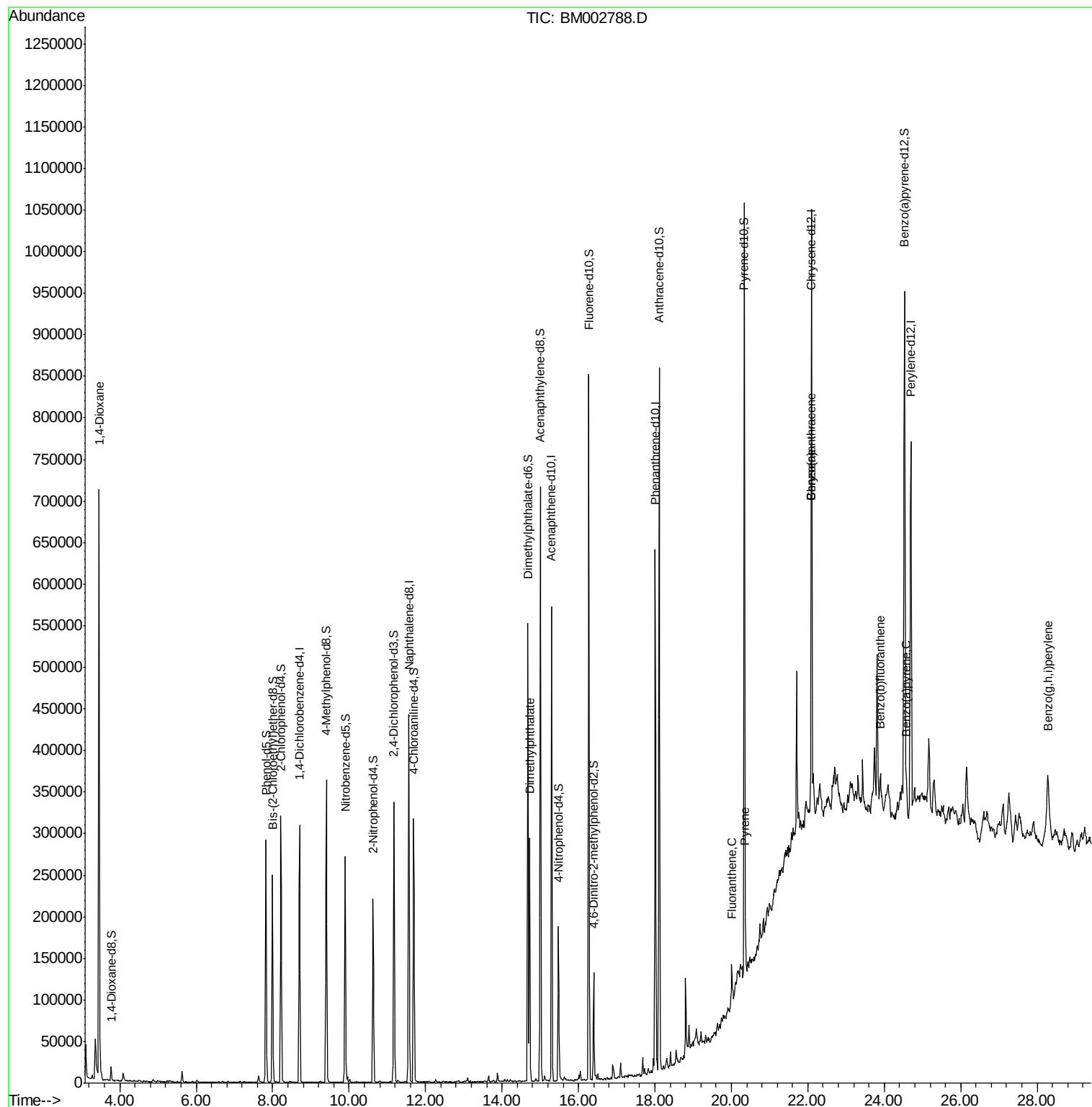
|                          |       |     |        |       | Qvalue |     |
|--------------------------|-------|-----|--------|-------|--------|-----|
| 2) 1,4-Dioxane           | 3.45  | 88  | 6605   | 2.80  | ng/uL# | 1   |
| 45) Dimethylphthalate    | 14.72 | 163 | 200883 | 13.35 | ng/ul  | 100 |
| 77) Fluoranthene         | 20.01 | 202 | 30793  | 1.35  | ng/ul  | 99  |
| 80) Pyrene               | 20.37 | 202 | 31667  | 1.38  | ng/ul  | 99  |
| 83) Benzo(a)anthracene   | 22.08 | 228 | 25607  | 1.19  | ng/ul  | 96  |
| 85) Chrysene             | 22.08 | 228 | 25149  | 1.24  | ng/ul  | 96  |
| 88) Benzo(b)fluoranthene | 23.90 | 252 | 41618  | 1.85  | ng/ul# | 84  |
| 91) Benzo(a)pyrene       | 24.58 | 252 | 31234  | 1.44  | ng/ul# | 83  |
| 94) Benzo(g,h,i)perylene | 28.27 | 276 | 24527  | 1.15  | ng/ul# | 84  |

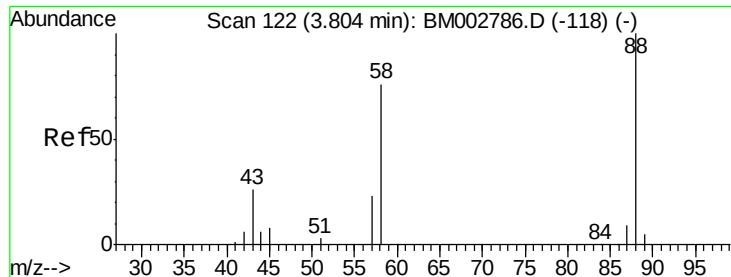
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 2.80 ng/uL

RT: 3.45 min Scan# 62

Delta R.T. -0.35 min

Lab File: BM002788.D

Acq: 30 Sep 2015 18:58

Instrument :

BNA\_M

ClientSampled :

E5MX7

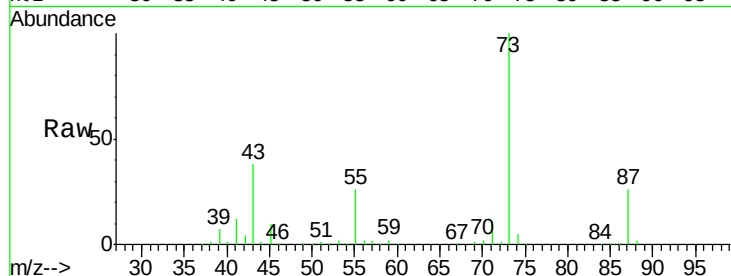
Tgt Ion: 88 Resp: 6605

Ion Ratio Lower Upper

88 100

43 2333.6 26.2 39.4#

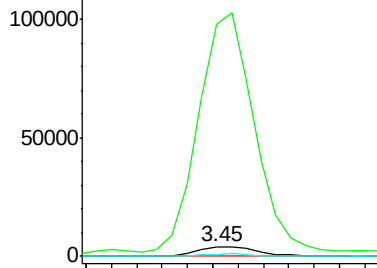
58 20.2 58.5 87.7#



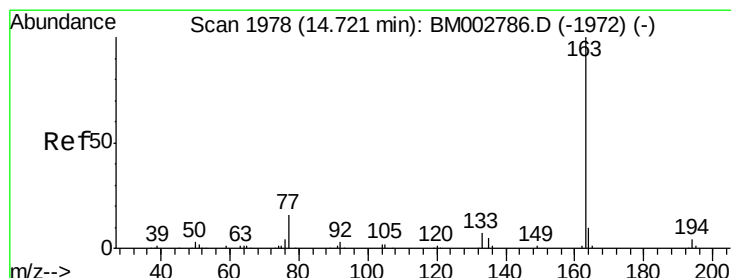
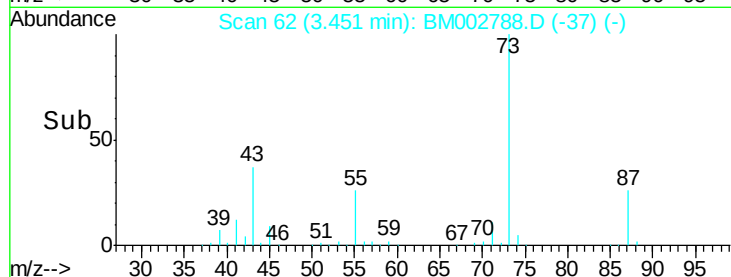
Abundance Ion 88.00 (87.70 to 88.70): BM002788.D (-118) (-)

Ion 43.00 (42.70 to 43.70): BM002788.D (-118) (-)

Ion 58.00 (57.70 to 58.70): BM002788.D (-118) (-)



Time-->



#45

Dimethylphthalate

Concen: 13.35 ng/uL

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM002788.D

Acq: 30 Sep 2015 18:58

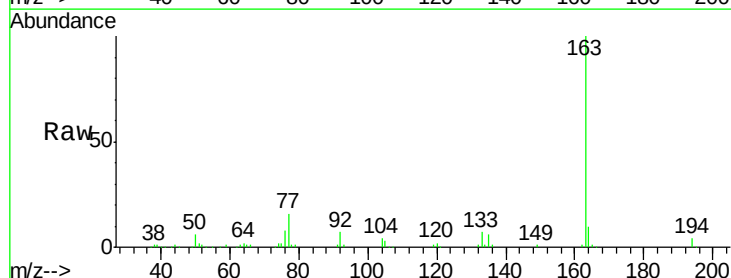
Tgt Ion: 163 Resp: 200883

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

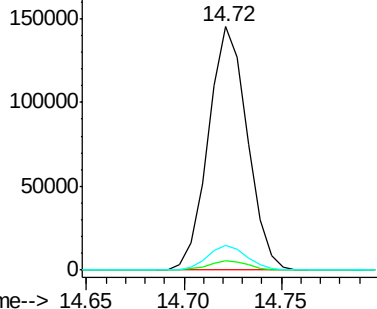
164 10.3 8.1 12.1



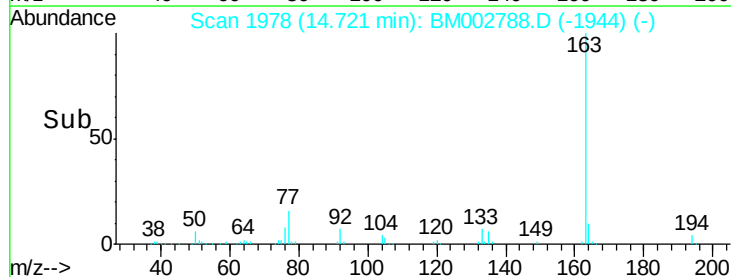
Abundance Ion 163.00 (162.70 to 163.70): BM002788.D (-1944) (-)

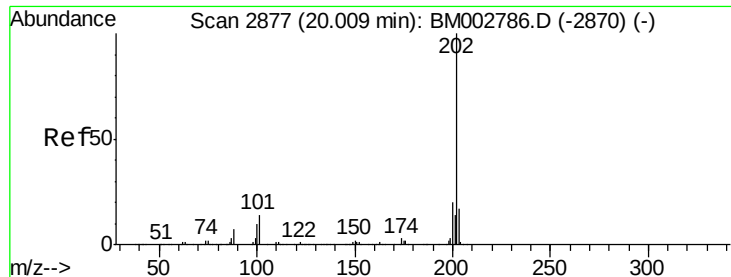
Ion 194.00 (193.70 to 194.70): BM002788.D (-1944) (-)

Ion 164.00 (163.70 to 164.70): BM002788.D (-1944) (-)



Time-->





#77

Fluoranthene

Concen: 1.35 ng/ul

RT: 20.01 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BM002788.D

Acq: 30 Sep 2015 18:58

Instrument :

BNA\_M

ClientSampleId :

E5MX7

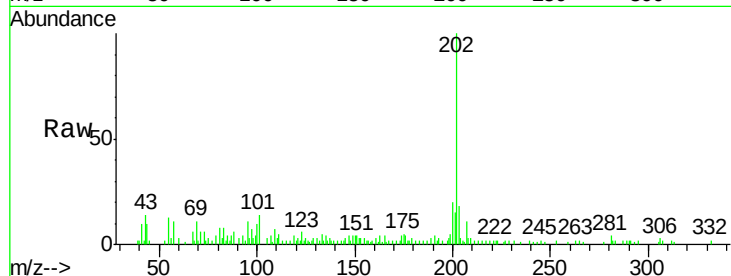
Tgt Ion:202 Resp: 30793

Ion Ratio Lower Upper

202 100

101 13.9 11.0 16.4

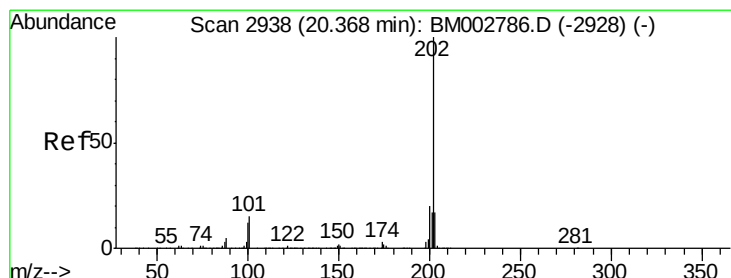
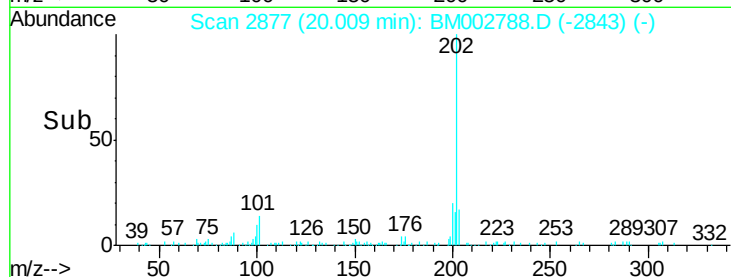
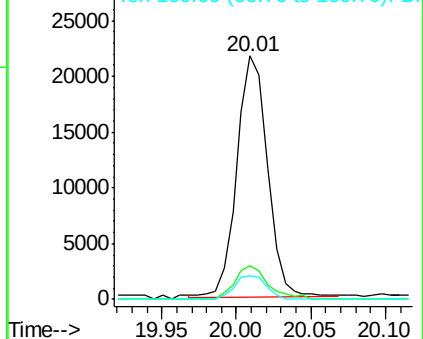
100 9.9 8.3 12.5



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



#80

Pyrene

Concen: 1.38 ng/ul

RT: 20.37 min Scan# 2938

Delta R.T. 0.00 min

Lab File: BM002788.D

Acq: 30 Sep 2015 18:58

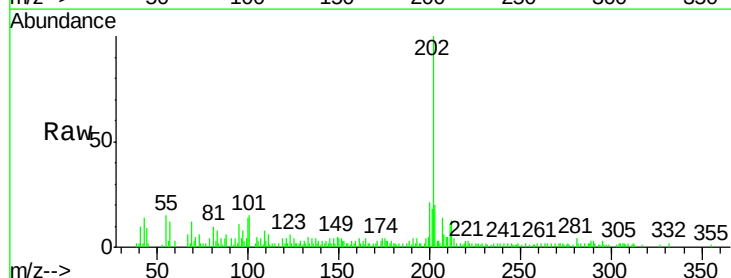
Tgt Ion:202 Resp: 31667

Ion Ratio Lower Upper

202 100

101 14.8 12.1 18.1

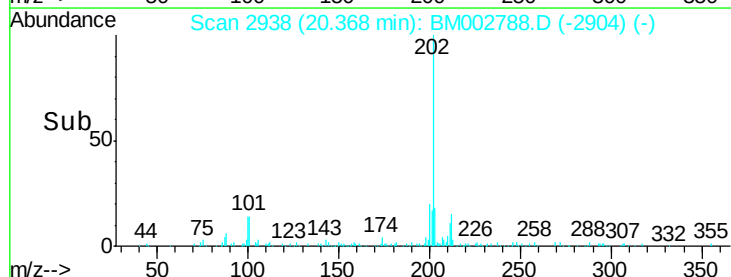
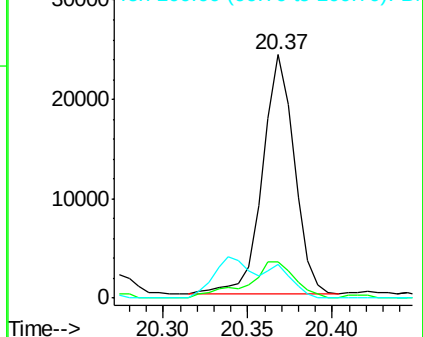
100 13.6 10.2 15.4

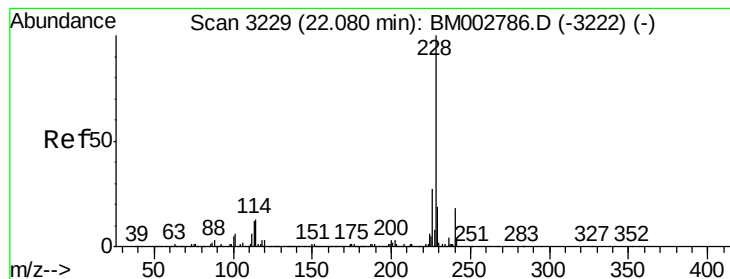


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 1.19 ng/ul

RT: 22.08 min Scan# 3229

Delta R.T. 0.00 min

Lab File: BM002788.D

Acq: 30 Sep 2015 18:58

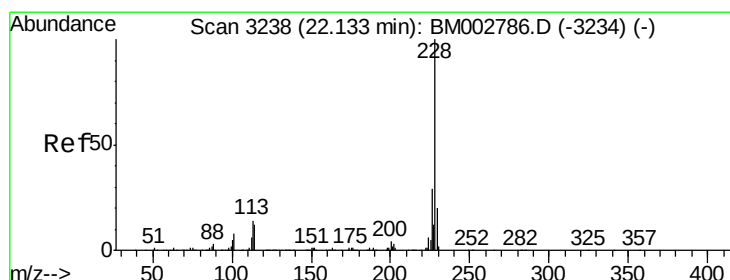
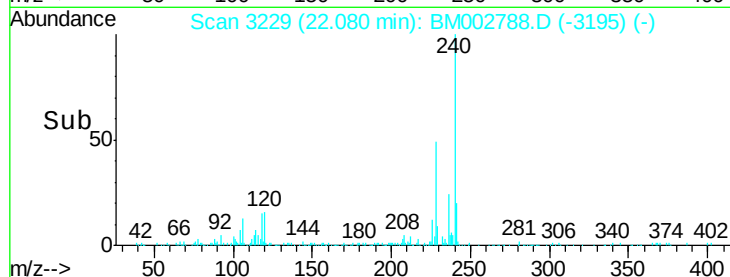
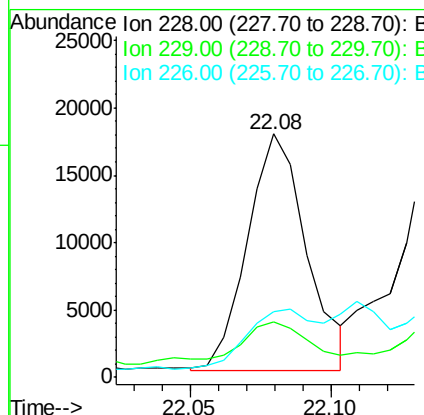
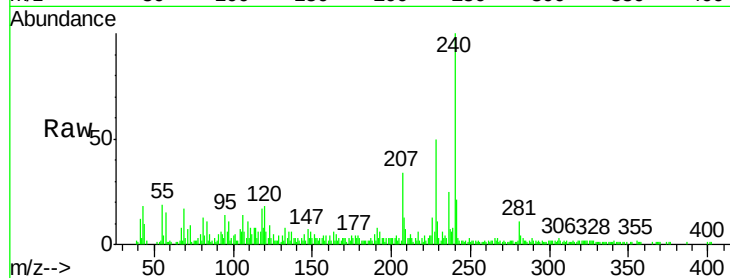
Instrument :

BNA\_M

ClientSampleId :

E5MX7

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 25607 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 229      | 23.0  | 16.1  | 24.1  |
| 226      | 27.1  | 20.9  | 31.3  |



#85

Chrysene

Concen: 1.24 ng/ul

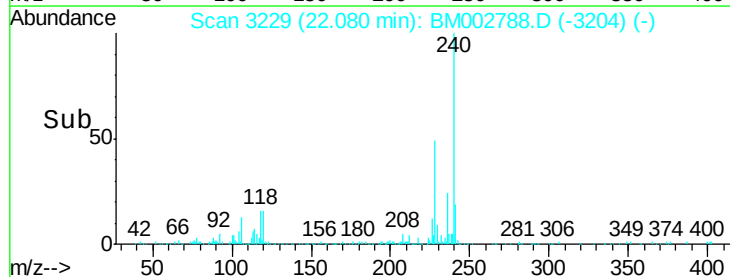
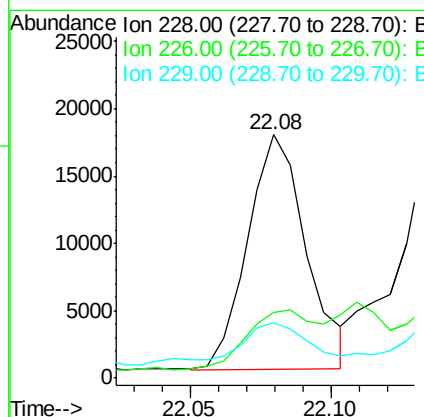
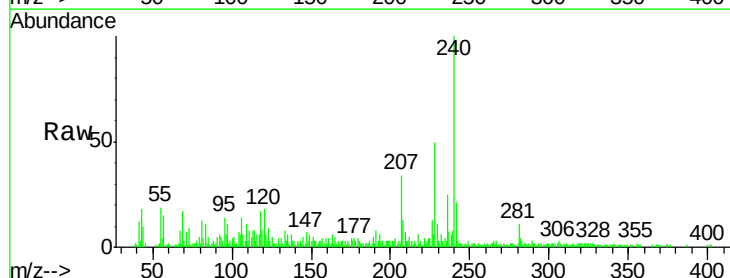
RT: 22.08 min Scan# 3229

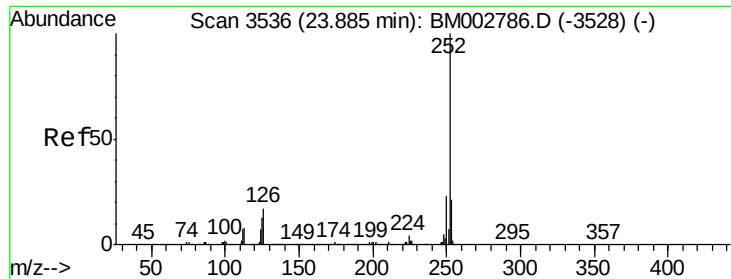
Delta R.T. -0.05 min

Lab File: BM002788.D

Acq: 30 Sep 2015 18:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 25149 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 27.1  | 22.4  | 33.6  |
| 229      | 23.0  | 15.4  | 23.2  |





#88

Benzo(b)fluoranthene

Concen: 1.85 ng/ul

RT: 23.90 min Scan# 3538

Delta R.T. 0.01 min

Lab File: BM002788.D

Acq: 30 Sep 2015 18:58

Instrument :

BNA\_M

ClientSampleId :

E5MX7

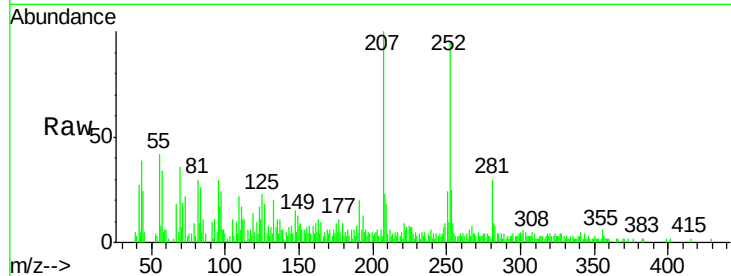
Tgt Ion:252 Resp: 41618

Ion Ratio Lower Upper

252 100

253 26.3 17.6 26.4

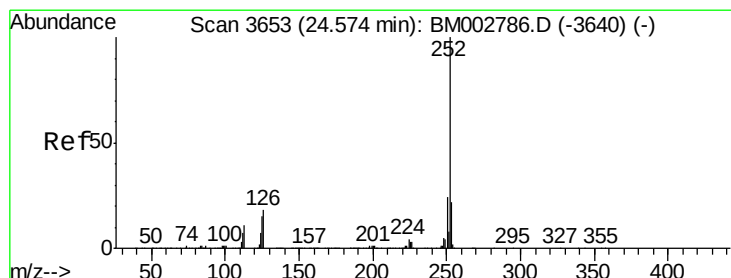
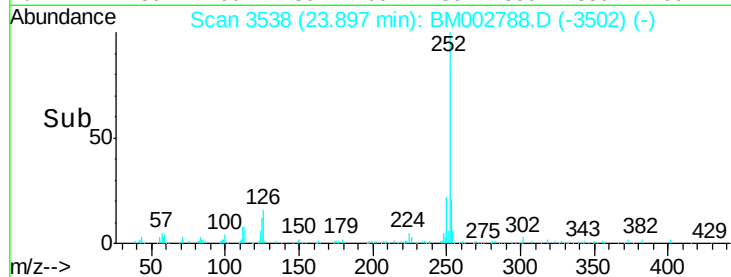
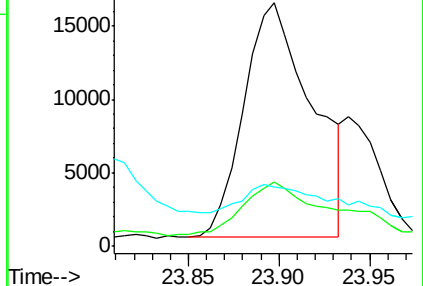
125 24.3 10.6 15.8#



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



#91

Benzo(a)pyrene

Concen: 1.44 ng/ul

RT: 24.58 min Scan# 3654

Delta R.T. 0.01 min

Lab File: BM002788.D

Acq: 30 Sep 2015 18:58

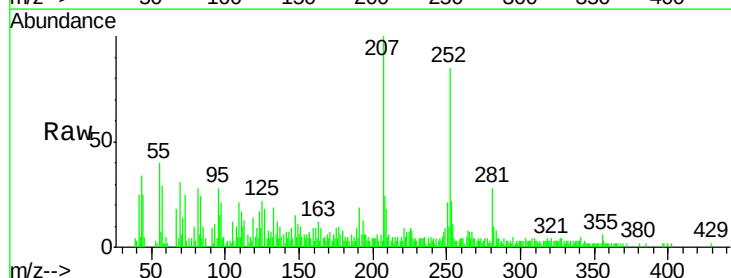
Tgt Ion:252 Resp: 31234

Ion Ratio Lower Upper

252 100

253 26.1 17.4 26.0#

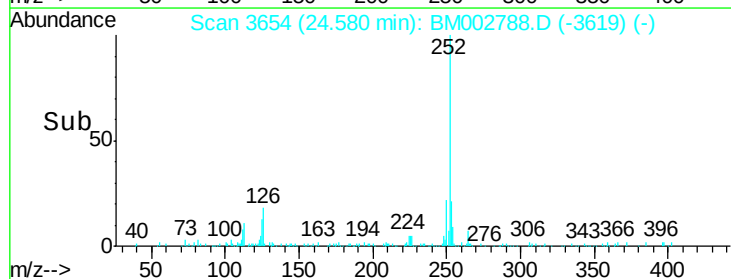
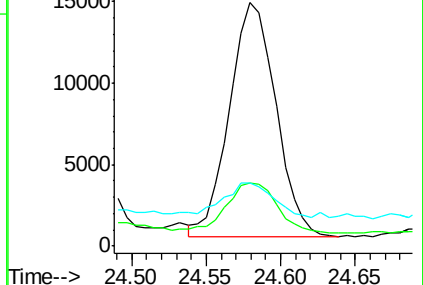
125 26.0 11.4 17.2#

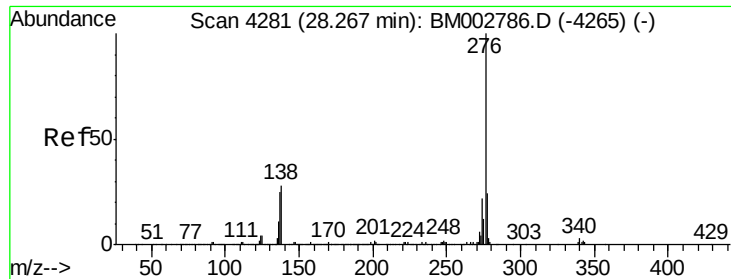


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#94

Benzo(g,h,i)perylene

Concen: 1.15 ng/ul

RT: 28.27 min Scan# 4282

Delta R.T. 0.01 min

Lab File: BM002788.D

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Instrument :

BNA\_M

ClientSampleId :

E5MX7

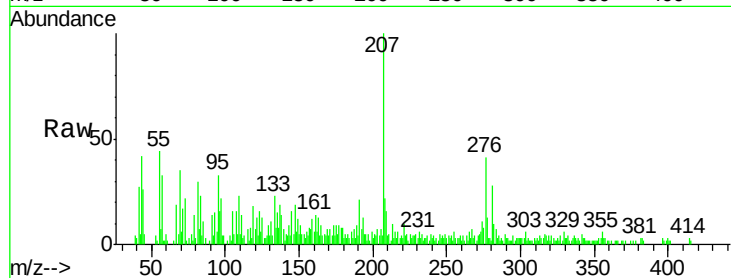
Tgt Ion: 276 Resp: 24527

Ion Ratio Lower Upper

276 100

138 35.4 21.8 32.8#

277 31.8 18.9 28.3#



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

