

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\  
 Data File : BM006501.D  
 Acq On : 17 Jul 2016 05:44  
 Operator : UM/SJ  
 Sample : H3985-17  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jul 18 07:42:35 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 18 07:39:41 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 219441   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.39 | 136  | 882009   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.26 | 164  | 489429   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 1106271  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.22 | 240  | 1354110  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.41 | 264  | 1466746  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.14  | 96  | 5460    | 1.05  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.79  | 99  | 286926  | 15.95 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 184188  | 16.89 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 228396  | 15.68 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 214923  | 15.04 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 110766  | 16.57 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 120058  | 15.88 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.02 | 165 | 217132  | 15.23 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.53 | 131 | 295066  | 19.79 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.68 | 166 | 762960  | 19.05 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.96 | 160 | 917994  | 18.54 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.49 | 143 | 127862  | 18.37 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.26 | 176 | 667495  | 18.75 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 98844   | 15.45 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.12 | 188 | 1061544 | 20.30 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.42 | 212 | 1272020 | 20.72 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.27 | 264 | 1430076 | 21.32 | ng/ul | 0.00 |

## Target Compounds

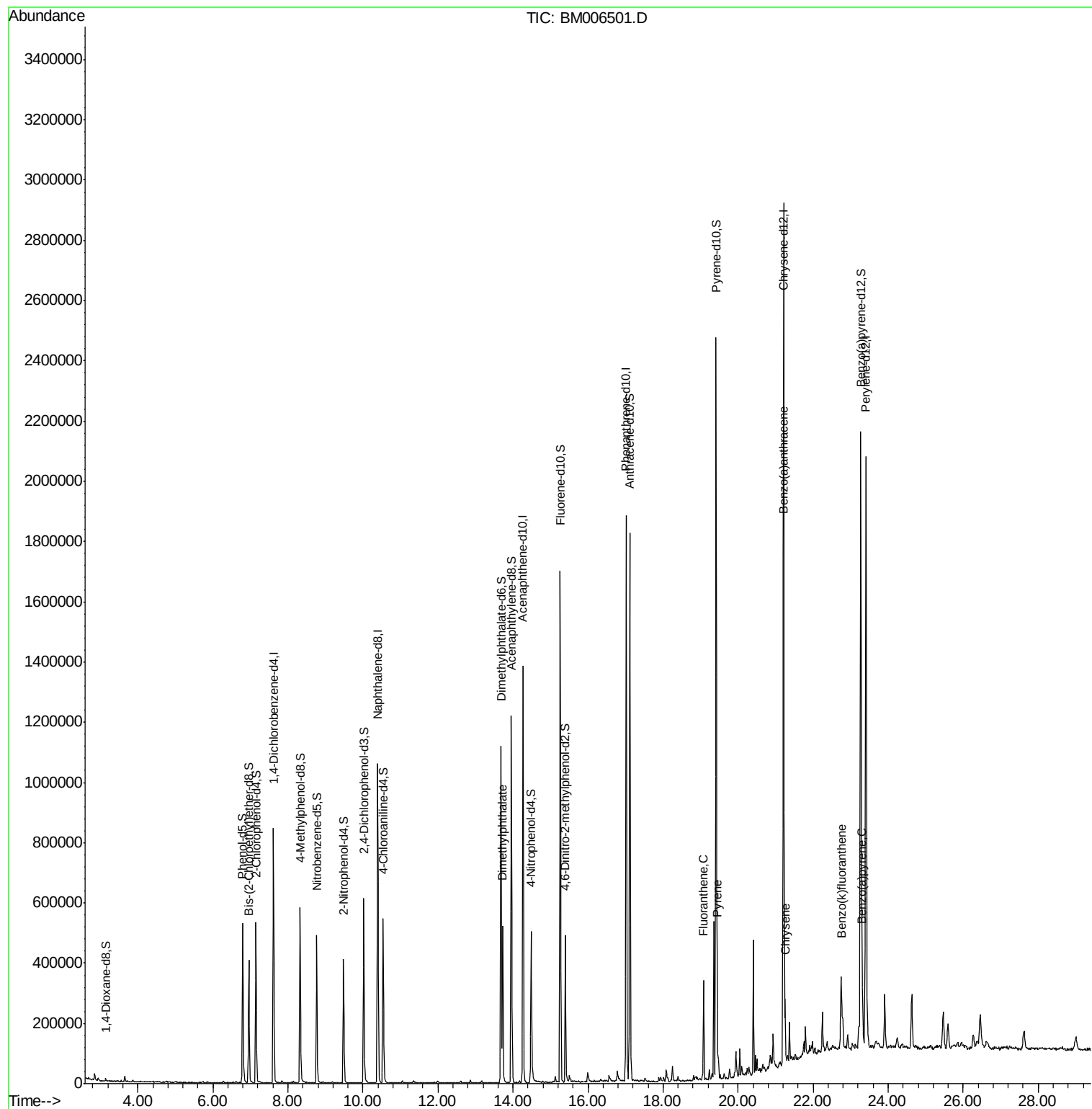
|                          |       |     |        |      |       | Ovalue |
|--------------------------|-------|-----|--------|------|-------|--------|
| 44) Dimethylphthalate    | 13.73 | 163 | 331978 | 8.17 | ng/ul | 99     |
| 74) Fluoranthene         | 19.08 | 202 | 198072 | 2.80 | ng/ul | 99     |
| 77) Pyrene               | 19.44 | 202 | 170020 | 2.10 | ng/ul | 99     |
| 80) Benzo(a)anthracene   | 21.20 | 228 | 128731 | 1.56 | ng/ul | 96     |
| 82) Chrysene             | 21.25 | 228 | 107486 | 1.38 | ng/ul | 95     |
| 86) Benzo(k)fluoranthene | 22.76 | 252 | 204391 | 2.48 | ng/ul | 97     |
| 88) Benzo(a)pyrene       | 23.31 | 252 | 119858 | 1.43 | ng/ul | 97     |

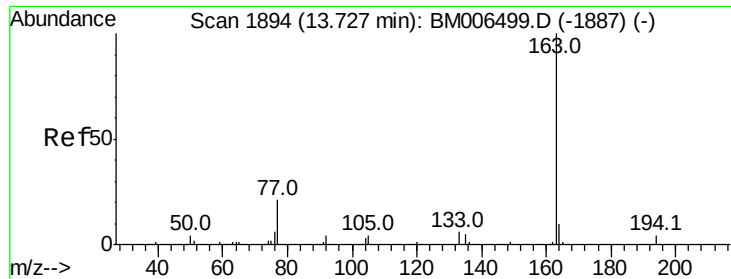
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 18 07:39:41 2016  
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#44

Dimethylphthalate

Concen: 8.17 ng/ul

RT: 13.73 min Scan# 1894

Delta R.T. -0.00 min

Lab File: BM006501.D

Acq: 17 Jul 2016 05:44

Instrument :

BNA\_M

ClientSampled :

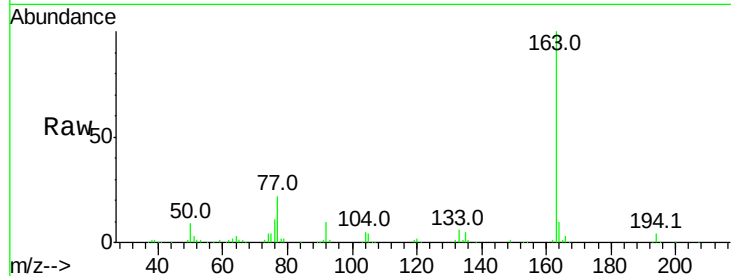
Tot Ion:163 Resp: 331978

Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.0

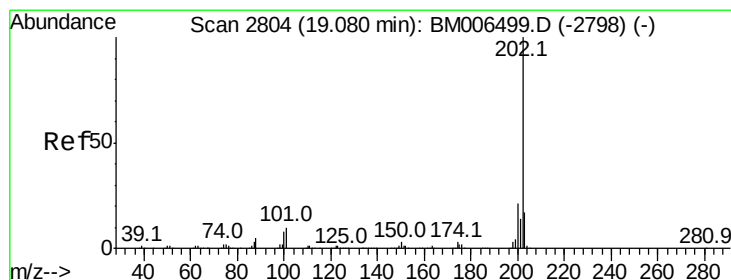
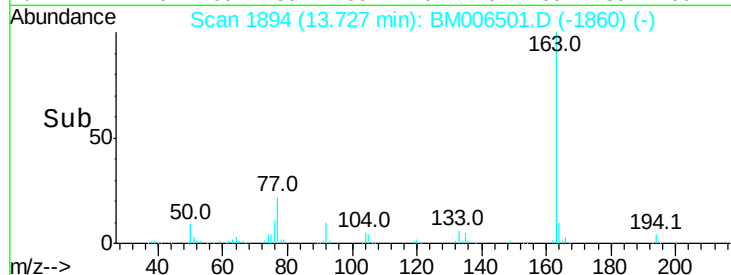
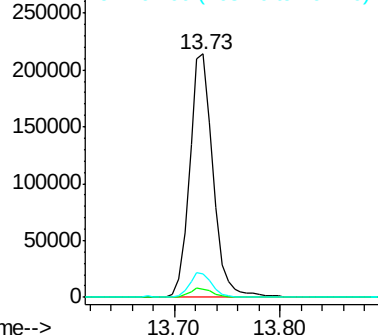
164 9.5 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#74

Fluoranthene

Concen: 2.80 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. -0.00 min

Lab File: BM006501.D

Acq: 17 Jul 2016 05:44

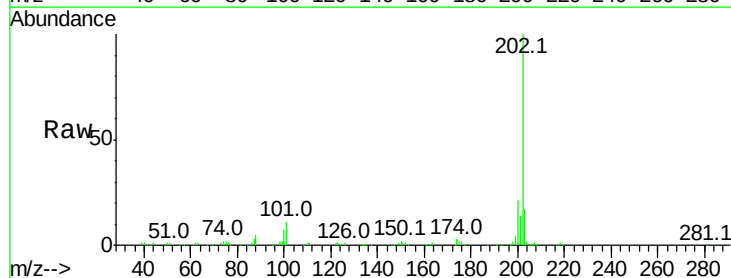
Tgt Ion:202 Resp: 198072

Ion Ratio Lower Upper

202 100

101 10.9 8.6 12.8

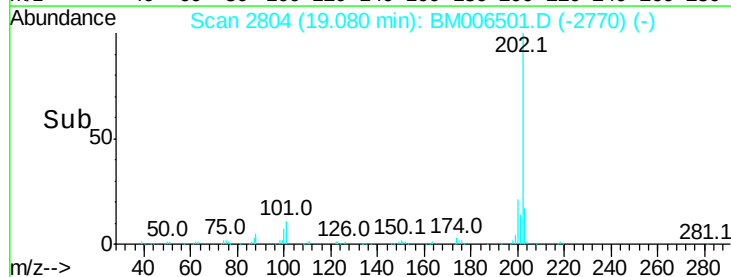
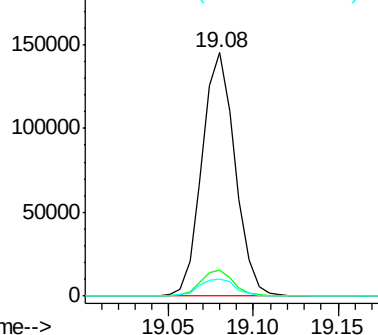
100 7.1 6.4 9.6

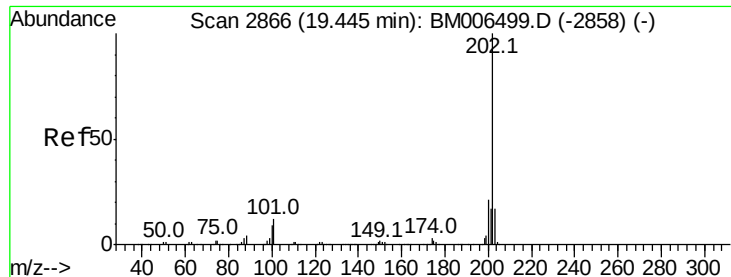


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

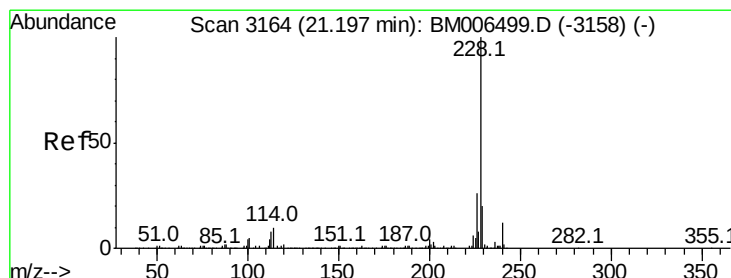
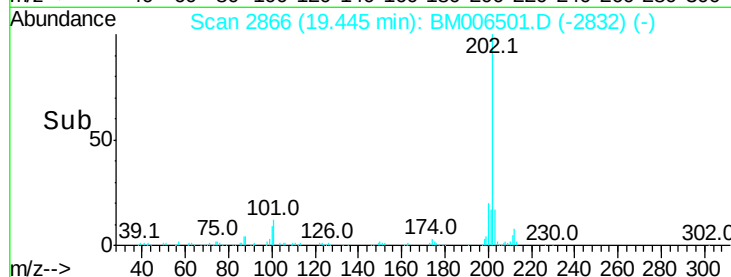
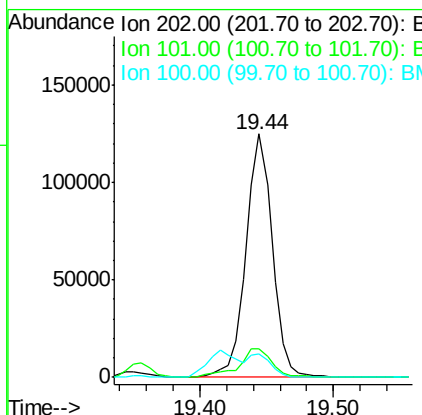
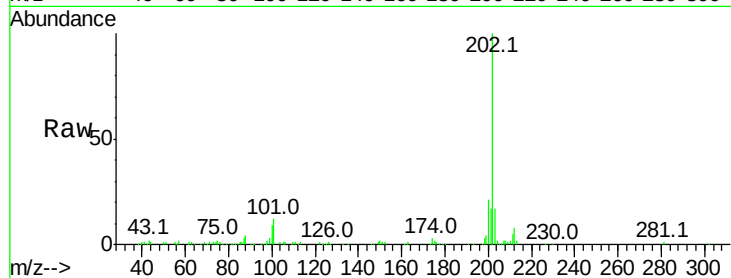




#77  
 Pvrene  
 Concen: 2.10 ng/ul  
 RT: 19.44 min Scan# 2866  
 Delta R.T. -0.00 min  
 Lab File: BM006501.D  
 Acq: 17 Jul 2016 05:44

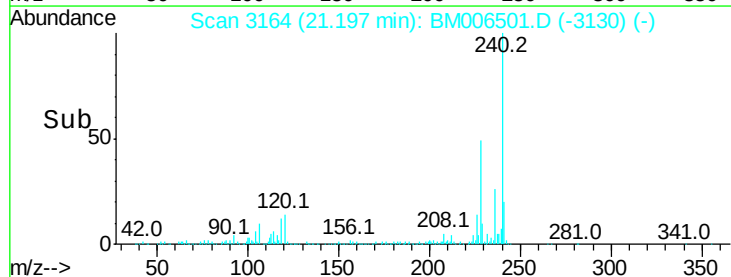
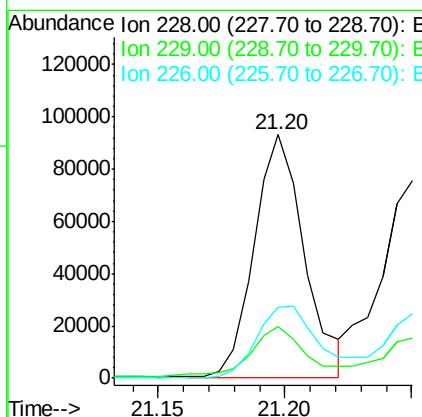
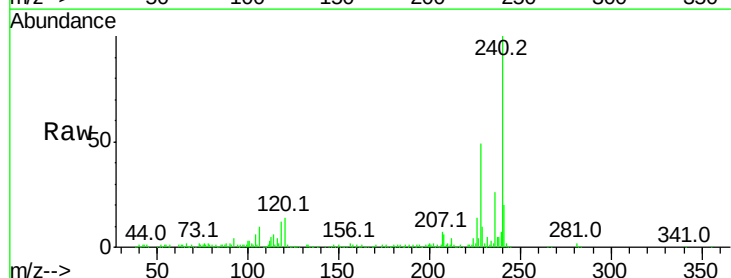
Instrument :  
 BNA\_M  
 ClientSampleId :

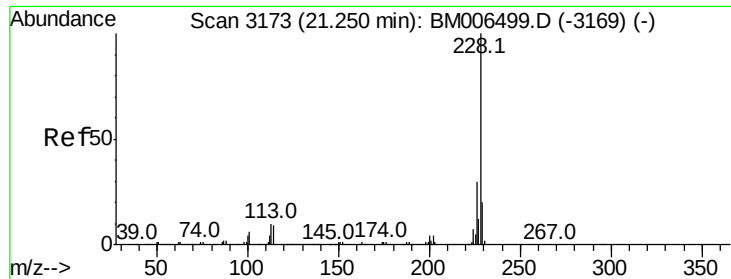
Tot Ion:202 Resp: 170020  
 Ion Ratio Lower Upper  
 202 100  
 101 11.9 10.0 15.0  
 100 9.4 7.9 11.9



#80  
 Benzo(a)anthracene  
 Concen: 1.56 ng/ul  
 RT: 21.20 min Scan# 3164  
 Delta R.T. -0.00 min  
 Lab File: BM006501.D  
 Acq: 17 Jul 2016 05:44

Tgt Ion:228 Resp: 128731  
 Ion Ratio Lower Upper  
 228 100  
 229 21.2 15.6 23.4  
 226 29.3 21.4 32.2



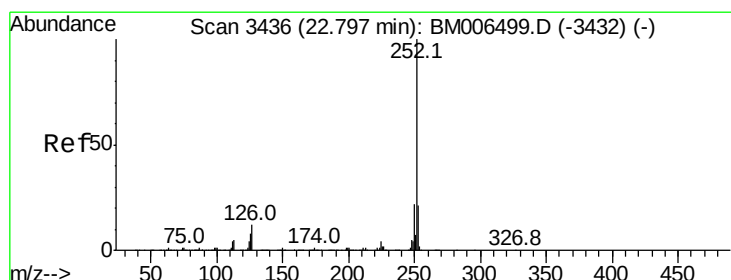
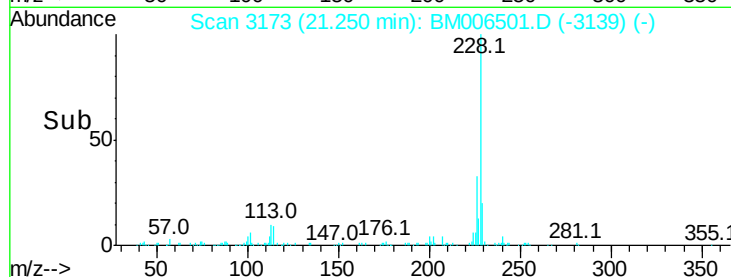
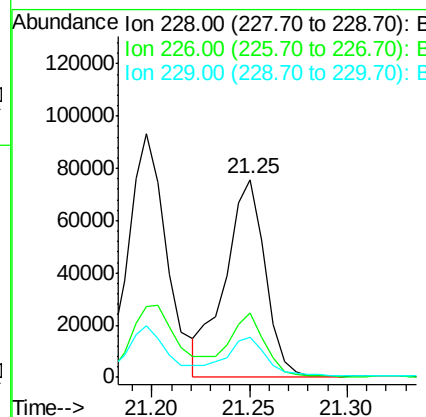
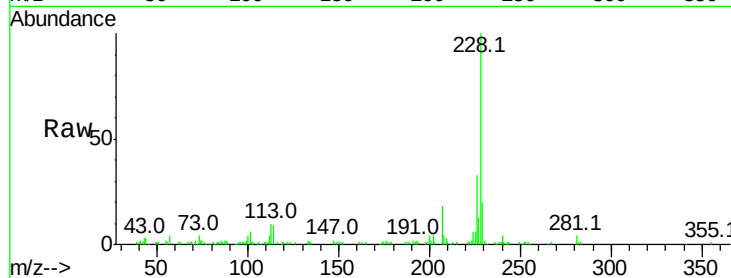


#82  
 Chrysene  
 Concen: 1.38 ng/ul  
 RT: 21.25 min Scan# 3173  
 Delta R.T. -0.00 min  
 Lab File: BM006501.D  
 Acq: 17 Jul 2016 05:44

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:228 Resp: 107486  

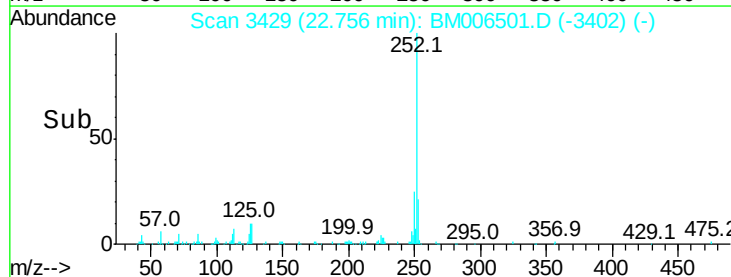
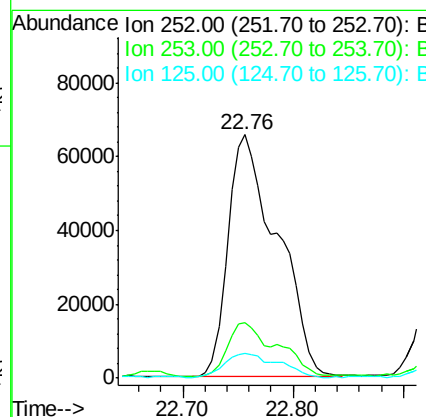
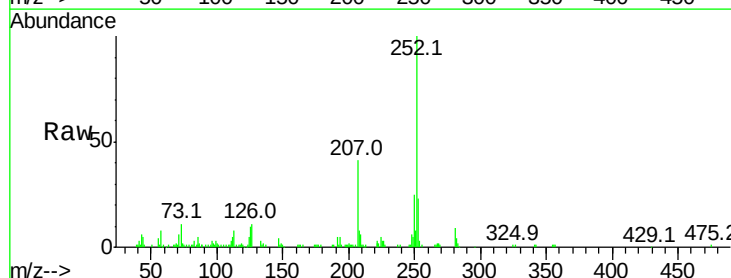
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 32.9  | 23.3  | 34.9  |
| 229 | 20.4  | 15.8  | 23.8  |

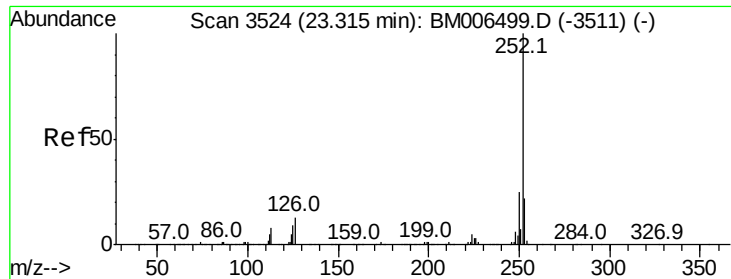


#86  
 Benzo(k)fluoranthene  
 Concen: 2.48 ng/ul  
 RT: 22.76 min Scan# 3429  
 Delta R.T. -0.04 min  
 Lab File: BM006501.D  
 Acq: 17 Jul 2016 05:44

Tgt Ion:252 Resp: 204391  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.8  | 17.3  | 25.9  |
| 125 | 10.2  | 7.0   | 10.4  |





#88

Benzo(a)pyrene

Concen: 1.43 ng/ul

RT: 23.31 min Scan# 3523

Delta R.T. -0.01 min

Lab File: BM006501.D

Acq: 17 Jul 2016 05:44

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:252 Resp: 119858

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 9.2 7.6 11.4

