

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\  
 Data File : BM012399.D  
 Acq On : 22 Oct 2017 16:33  
 Operator : SJ/JU  
 Sample : I5701-07  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B0CG1

Quant Time: Oct 23 18:25:57 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 23 18:04:39 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 469852   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 1991936  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.42 | 164  | 1163989  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.17 | 188  | 2333218  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.36 | 240  | 1684964  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.65 | 264  | 1760264  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.19  | 96  | 26164   | 2.65  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.94  | 99  | 578699  | 15.18 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 383888  | 16.79 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 543195  | 16.80 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.48  | 113 | 506508  | 15.43 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.94  | 128 | 266389  | 17.52 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.65  | 143 | 309556  | 17.43 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.20 | 165 | 583802  | 17.22 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 553715  | 17.45 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.83 | 166 | 1890577 | 18.38 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.11 | 160 | 2233840 | 17.94 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.68 | 143 | 151541  | 9.80  | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.41 | 176 | 1522529 | 18.03 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 130799  | 8.17  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.27 | 188 | 2042862 | 17.71 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.57 | 212 | 1805065 | 21.10 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.51 | 264 | 1499633 | 17.67 | ng/ul | 0.00 |

## Target Compounds

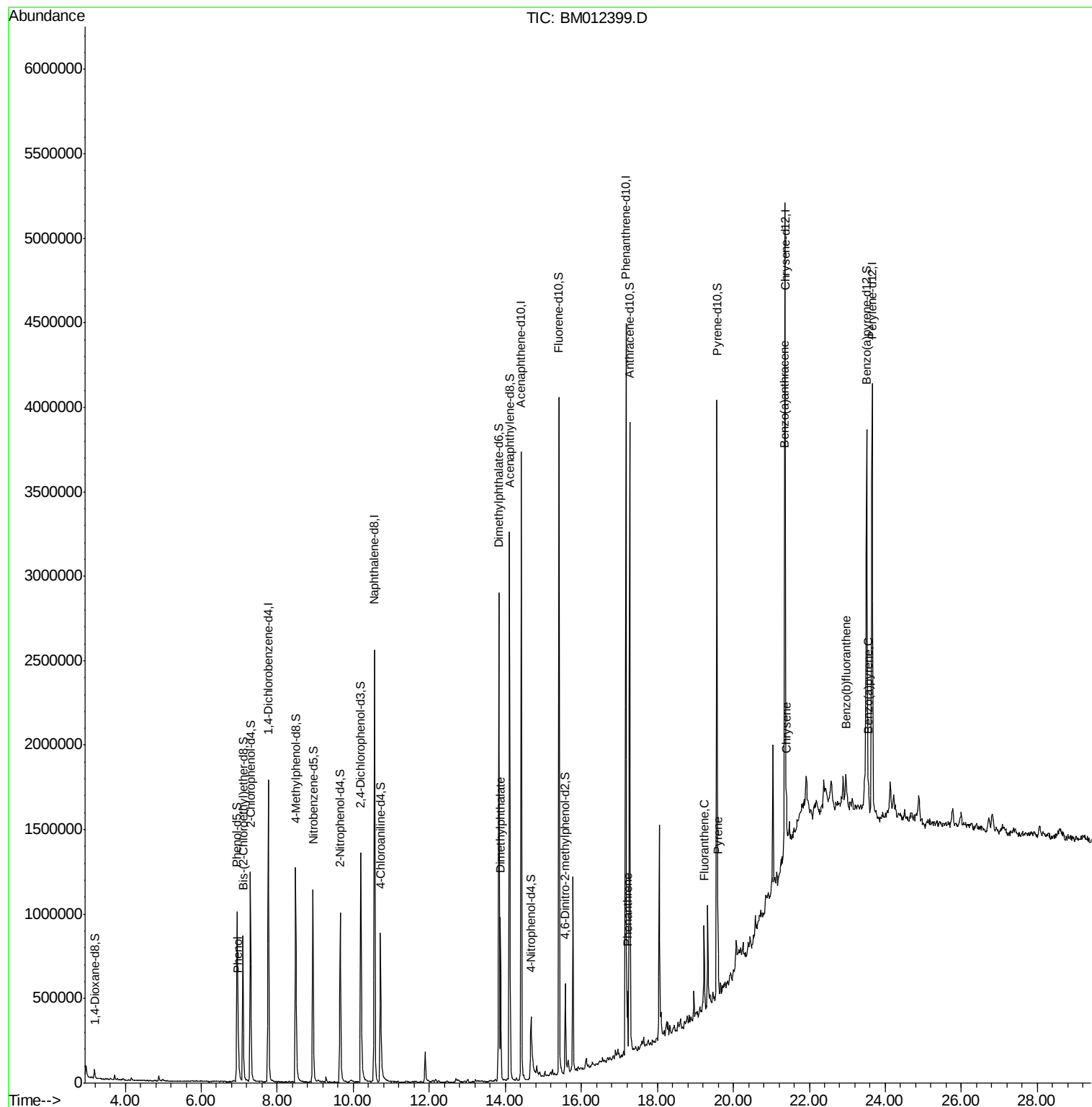
|                          |       |     |        |       | Ovalue |    |
|--------------------------|-------|-----|--------|-------|--------|----|
| 6) Phenol                | 6.97  | 94  | 115090 | 2.920 | ng/ul  | 88 |
| 44) Dimethylphthalate    | 13.88 | 163 | 611514 | 5.933 | ng/ul  | 99 |
| 69) Phenanthrene         | 17.21 | 178 | 192449 | 1.450 | ng/ul  | 98 |
| 74) Fluoranthene         | 19.23 | 202 | 281852 | 1.760 | ng/ul# | 95 |
| 77) Pyrene               | 19.59 | 202 | 269989 | 2.426 | ng/ul# | 96 |
| 80) Benzo(a)anthracene   | 21.34 | 228 | 136969 | 1.249 | ng/ul# | 92 |
| 82) Chrysene             | 21.39 | 228 | 132478 | 1.287 | ng/ul# | 91 |
| 85) Benzo(b)fluoranthene | 22.96 | 252 | 155977 | 1.358 | ng/ul# | 86 |
| 88) Benzo(a)pyrene       | 23.55 | 252 | 113408 | 1.047 | ng/ul# | 86 |

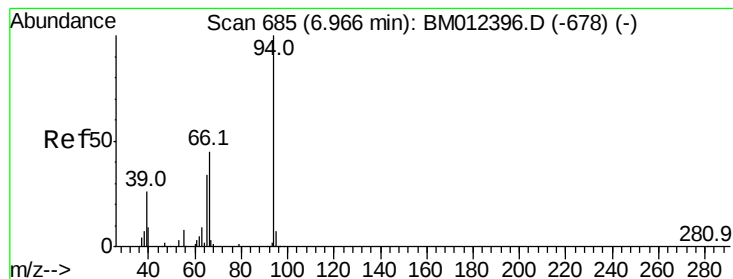
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.920 ng/ul

RT: 6.97 min Scan# 686

Delta R.T. 0.01 min

Lab File: BM012399.D

Acq: 22 Oct 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

B0CG1

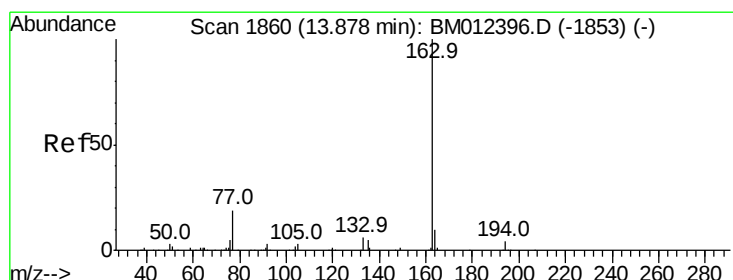
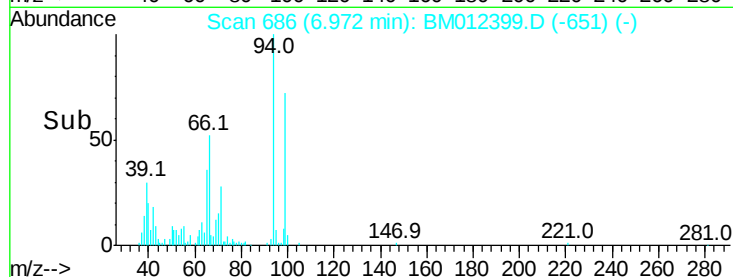
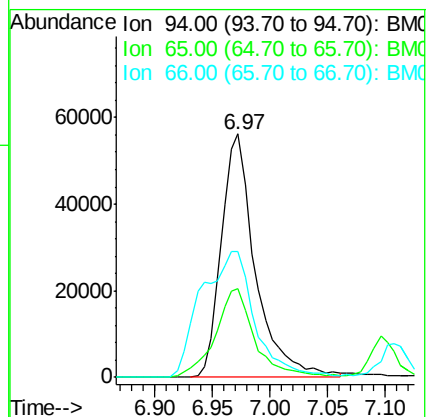
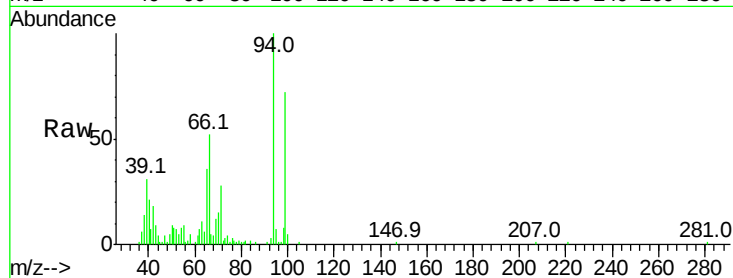
Tot Ion: 94 Resp: 115090

Ion Ratio Lower Upper

94 100

65 36.2 24.4 36.6

66 51.6 35.0 52.4



#44

Dimethylphthalate

Concen: 5.933 ng/ul

RT: 13.88 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM012399.D

Acq: 22 Oct 2017 16:33

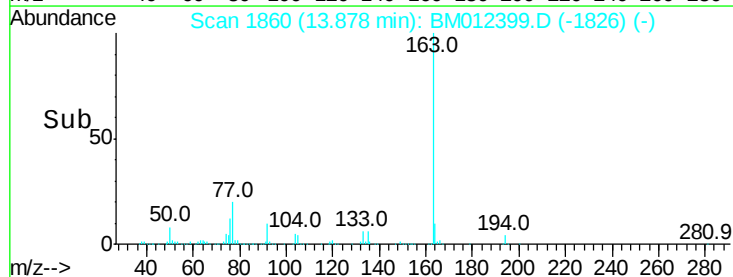
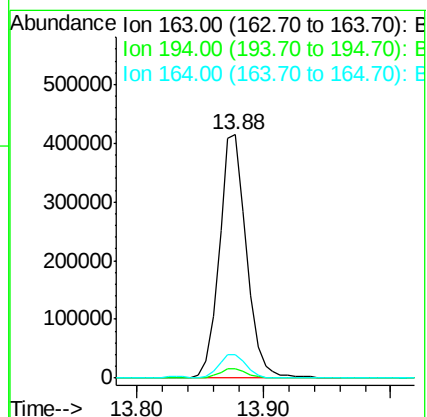
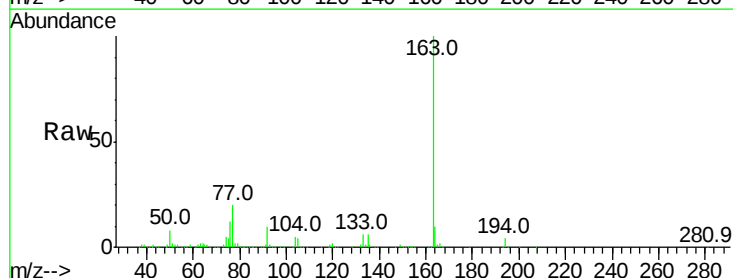
Tgt Ion:163 Resp: 611514

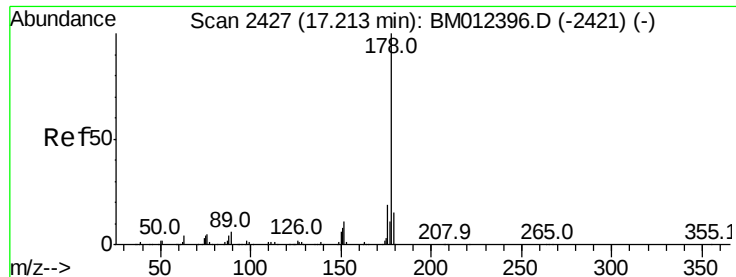
Ion Ratio Lower Upper

163 100

194 4.0 3.7 5.5

164 9.8 8.1 12.1





#69

Phenanthrene

Concen: 1.450 ng/ul

RT: 17.21 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BM012399.D

Acq: 22 Oct 2017 16:33

Instrument :

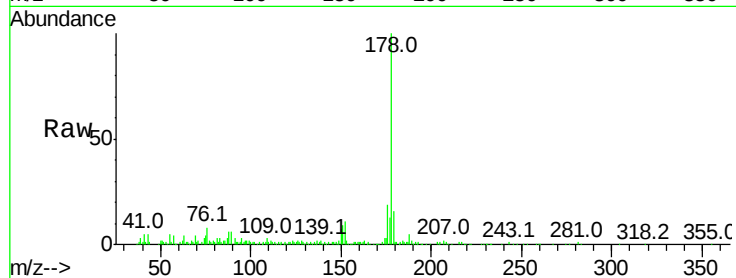
BNA\_M

ClientSampleId :

B0CG1

Tot Ion:178 Resp: 192449

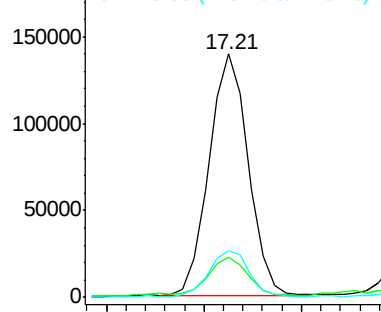
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.2  | 12.0  | 18.0  |
| 176 | 19.2  | 15.0  | 22.6  |



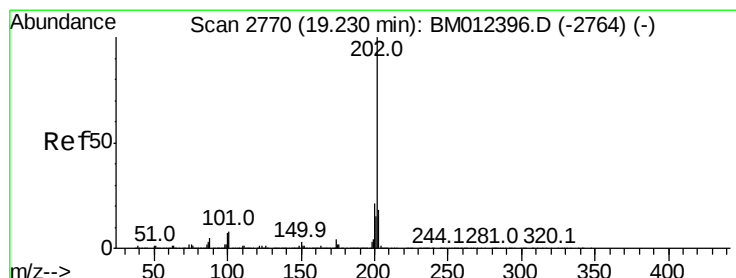
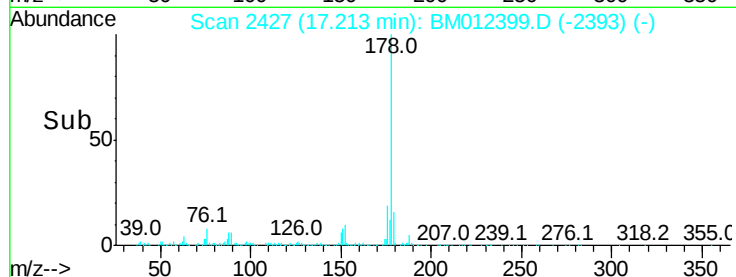
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.15 17.20 17.25



#74

Fluoranthene

Concen: 1.760 ng/ul

RT: 19.23 min Scan# 2770

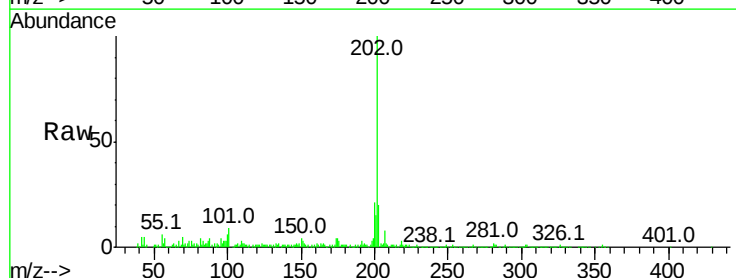
Delta R.T. 0.00 min

Lab File: BM012399.D

Acq: 22 Oct 2017 16:33

Tgt Ion:202 Resp: 281852

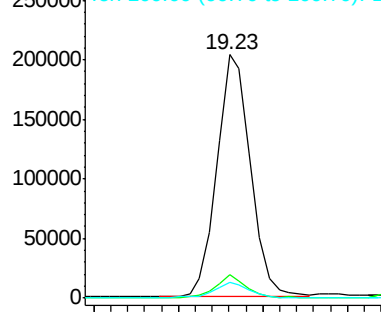
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 9.5   | 5.8   | 8.6#  |
| 100 | 6.3   | 4.3   | 6.5   |



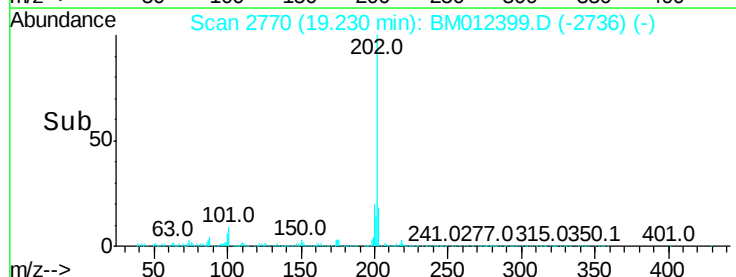
Abundance Ion 202.00 (201.70 to 202.70): E

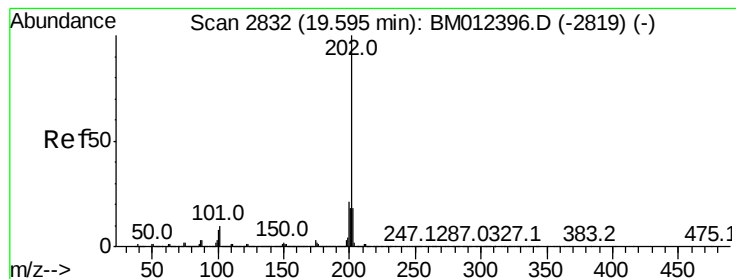
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.15 19.20 19.25 19.30





#77

Pvrene

Concen: 2.426 ng/ul

RT: 19.59 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BM012399.D

Acq: 22 Oct 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

B0CG1

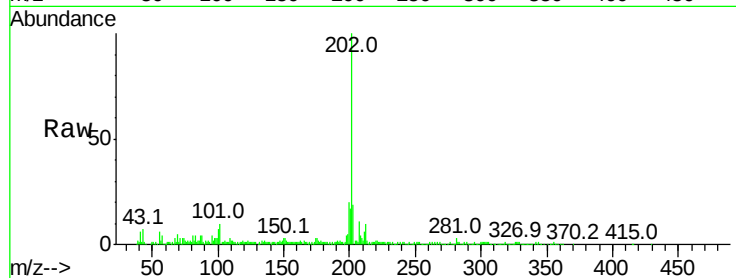
Tot Ion:202 Resp: 269989

Ion Ratio Lower Upper

202 100

101 10.1 6.5 9.7#

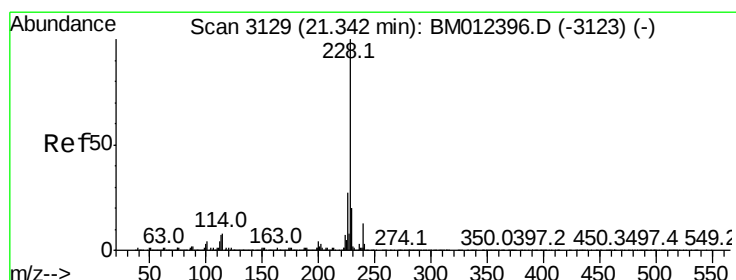
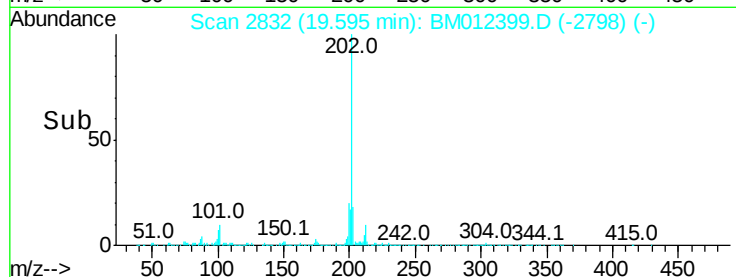
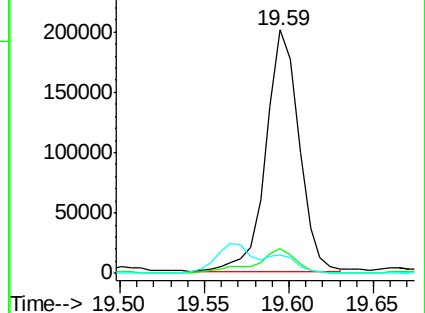
100 7.4 5.6 8.4



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): E



#80

Benzo(a)anthracene

Concen: 1.249 ng/ul

RT: 21.34 min Scan# 3129

Delta R.T. 0.00 min

Lab File: BM012399.D

Acq: 22 Oct 2017 16:33

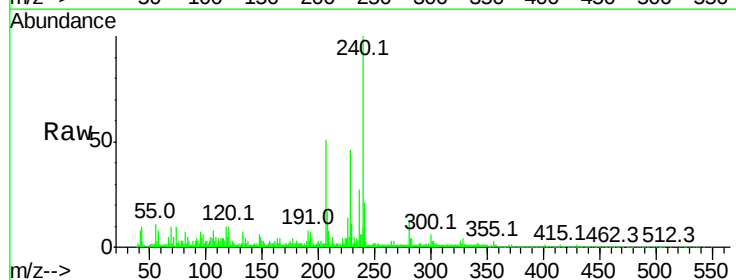
Tgt Ion:228 Resp: 136969

Ion Ratio Lower Upper

228 100

229 23.9 15.8 23.8#

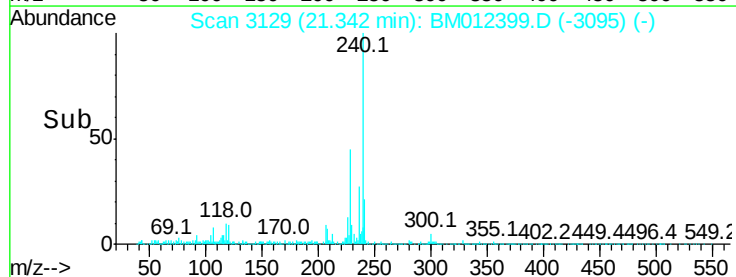
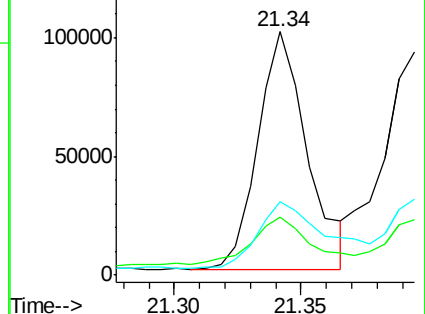
226 30.1 21.4 32.2

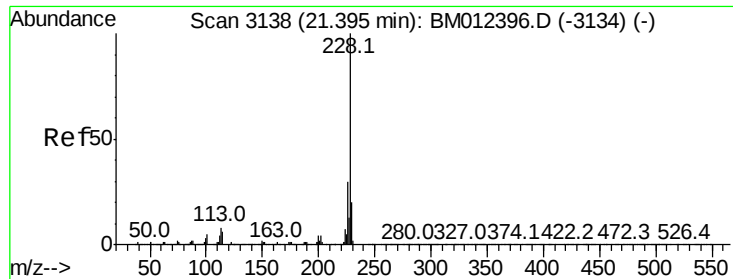


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 1.287 ng/ul

RT: 21.39 min Scan# 3138

Delta R.T. 0.00 min

Lab File: BM012399.D

Acq: 22 Oct 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

B0CG1

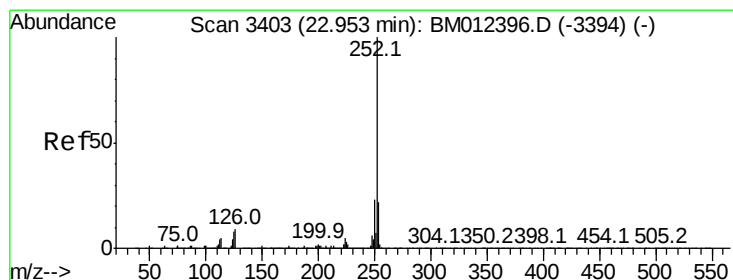
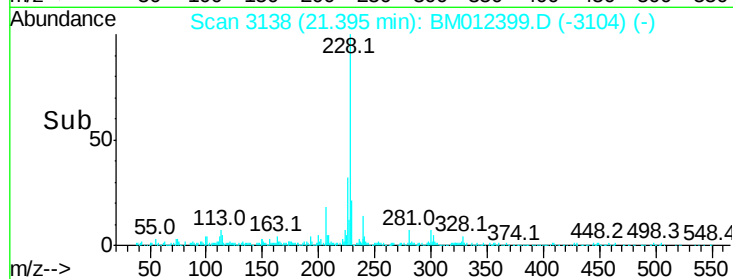
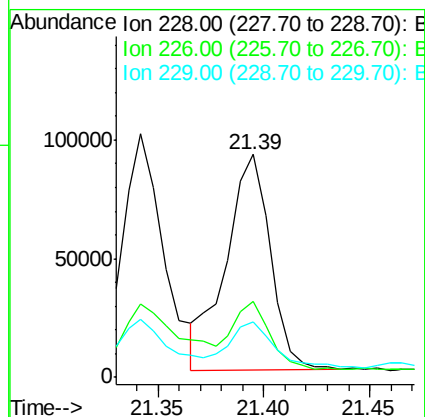
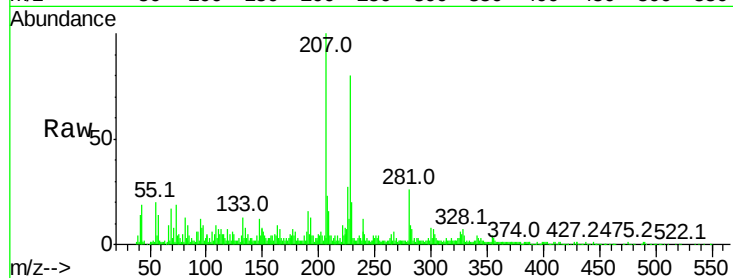
Tot Ion:228 Resp: 132478

Ion Ratio Lower Upper

228 100

226 34.0 24.0 36.0

229 24.6 15.5 23.3#



#85

Benzo(b)fluoranthene

Concen: 1.358 ng/ul

RT: 22.96 min Scan# 3404

Delta R.T. 0.01 min

Lab File: BM012399.D

Acq: 22 Oct 2017 16:33

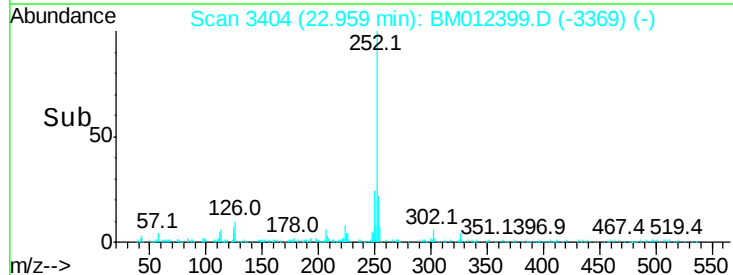
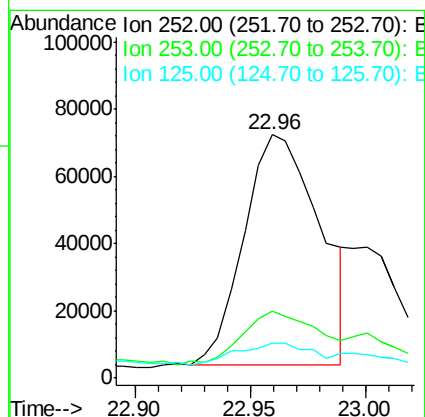
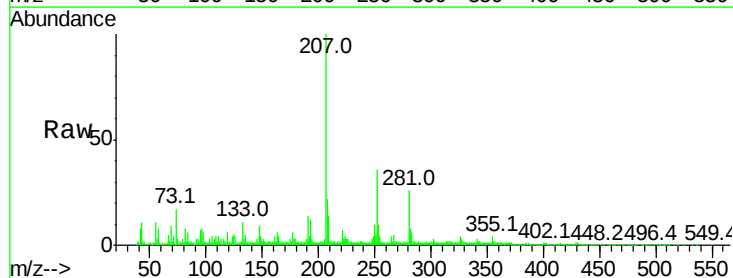
Tgt Ion:252 Resp: 155977

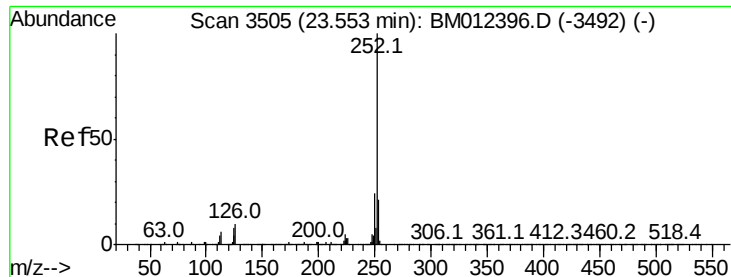
Ion Ratio Lower Upper

252 100

253 27.3 17.4 26.2#

125 14.4 5.1 7.7#





#88

Benzo(a)pyrene

Concen: 1.047 ng/ul

RT: 23.55 min Scan# 3504

Delta R.T. -0.01 min

Lab File: BM012399.D

Acq: 22 Oct 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

B0CG1

Tot Ion:252 Resp: 113408

Ion Ratio Lower Upper

252 100

253 27.1 17.1 25.7#

125 13.8 5.2 7.8#

