

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\  
 Data File : BP000190.D  
 Acq On : 11 Sep 2019 01:29  
 Operator : HP/JU  
 Sample : K4633-04  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Sep 11 04:12:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 11 02:03:45 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 440170   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 8.18  | 136  | 1675992  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 9.95  | 164  | 860542   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 11.45 | 188  | 1434741  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 14.15 | 240  | 1126159  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 15.70 | 264  | 1220800  | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 2.59  | 96  | 58      | 0.00  | ng/uL | -0.02 |
| 5) Phenol-d5                   | 6.52  | 99  | 794213  | 21.18 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.58  | 67  | 420341  | 21.44 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 6.66  | 132 | 657678  | 21.69 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 7.26  | 113 | 593951  | 21.09 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 7.45  | 128 | 317244  | 24.93 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 7.78  | 143 | 343148  | 27.70 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 8.02  | 165 | 569566  | 21.66 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 8.23  | 131 | 728421  | 22.40 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 9.63  | 166 | 1586468 | 24.97 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 9.79  | 160 | 1857526 | 23.65 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 10.03 | 143 | 194767  | 17.15 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 10.47 | 176 | 1274130 | 23.61 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 10.53 | 200 | 61408   | 9.31  | ng/ul | 0.00  |
| 71) Anthracene-d10             | 11.51 | 188 | 1730394 | 24.91 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 12.90 | 212 | 1749452 | 26.12 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 15.60 | 264 | 1679536 | 26.54 | ng/ul | 0.02  |

## Target Compounds

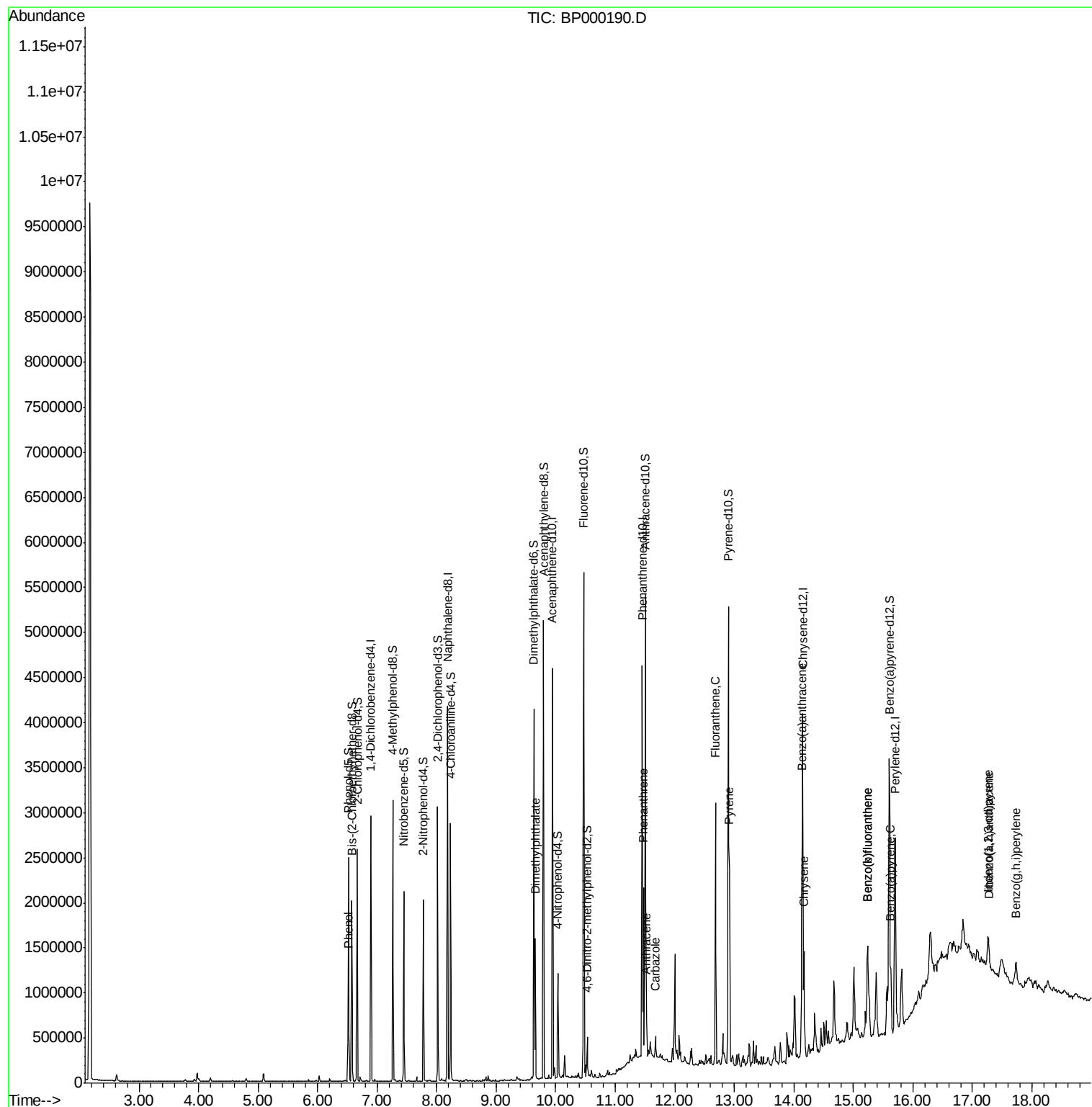
|                            |       |     |         |        | Ovalue    |
|----------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                  | 6.53  | 94  | 127161  | 3.254  | ng/ul 97  |
| 45) Dimethylphthalate      | 9.66  | 163 | 578124  | 9.016  | ng/ul 98  |
| 70) Phenanthrene           | 11.48 | 178 | 645059  | 7.603  | ng/ul 99  |
| 72) Anthracene             | 11.53 | 178 | 138125  | 1.654  | ng/ul 100 |
| 75) Carbazole              | 11.68 | 167 | 96873   | 1.357  | ng/ul 98  |
| 77) Fluoranthene           | 12.69 | 202 | 1110203 | 12.973 | ng/ul 99  |
| 80) Pyrene                 | 12.92 | 202 | 842582  | 9.917  | ng/ul 93  |
| 83) Benzo(a)anthracene     | 14.13 | 228 | 505252  | 6.198  | ng/ul 98  |
| 85) Chrysene               | 14.17 | 228 | 479145  | 6.405  | ng/ul 97  |
| 88) Benzo(b)fluoranthene   | 15.24 | 252 | 775775  | 9.588  | ng/ul 99  |
| 89) Benzo(k)fluoranthene   | 15.24 | 252 | 777448  | 10.193 | ng/ul 100 |
| 91) Benzo(a)pyrene         | 15.63 | 252 | 391551  | 5.158  | ng/ul 98  |
| 92) Indeno(1,2,3-cd)pyrene | 17.27 | 276 | 222069  | 2.543  | ng/ul 98  |
| 93) Dibenzo(a,h)anthracene | 17.28 | 278 | 73574   | 1.017  | ng/ul# 77 |
| 94) Benzo(g,h,i)perylene   | 17.73 | 276 | 195040  | 2.678  | ng/ul 97  |

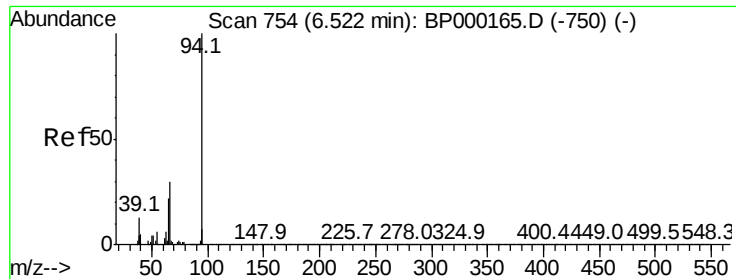
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\  
Data File : BP000190.D  
Acq On : 11 Sep 2019 01:29  
Operator : HP/JU  
Sample : K4633-04  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Sep 11 04:12:37 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 11 02:03:45 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 3.254 ng/ul

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BP000190.D

Acq: 11 Sep 2019 01:29

Instrument :

BNA\_P

ClientSampleId :

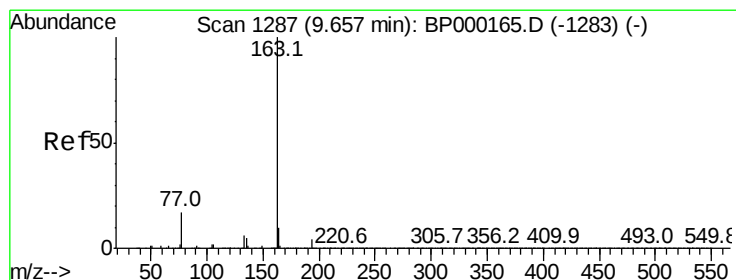
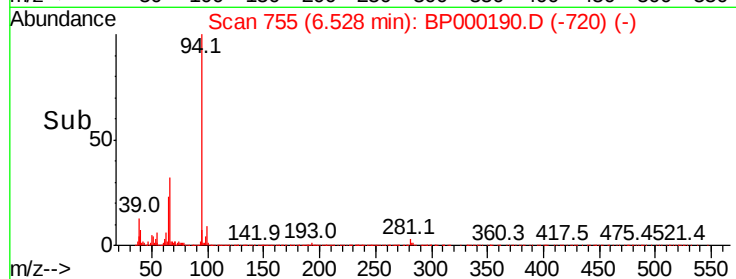
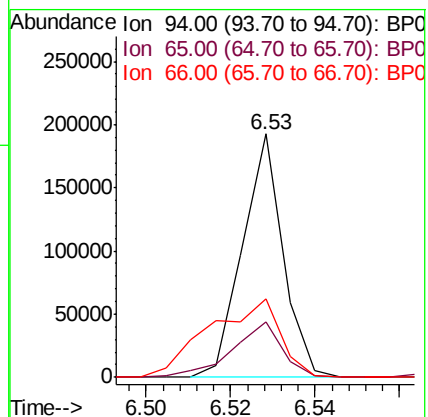
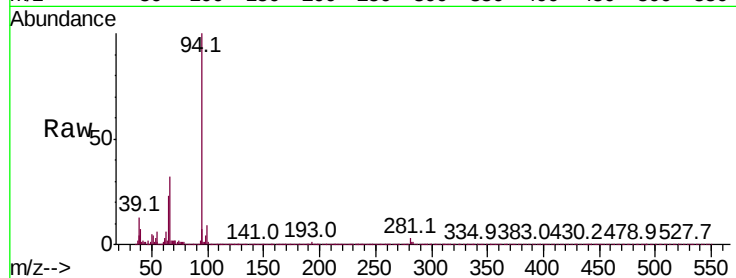
Tot Ion: 94 Resp: 127161

Ion Ratio Lower Upper

94 100

65 22.8 18.8 28.2

66 32.2 24.2 36.2



#45

Dimethylphthalate

Concen: 9.016 ng/ul

RT: 9.66 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BP000190.D

Acq: 11 Sep 2019 01:29

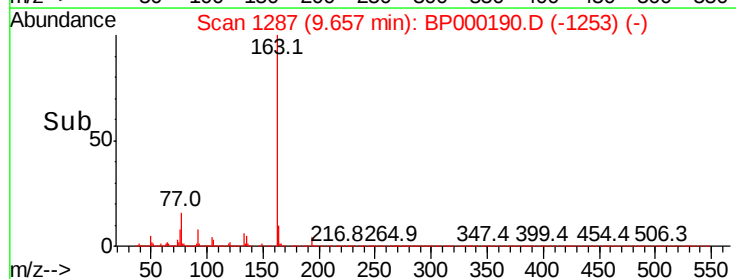
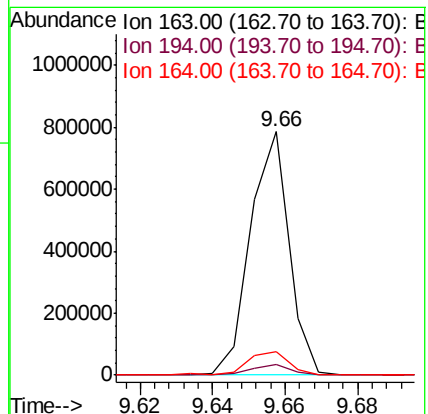
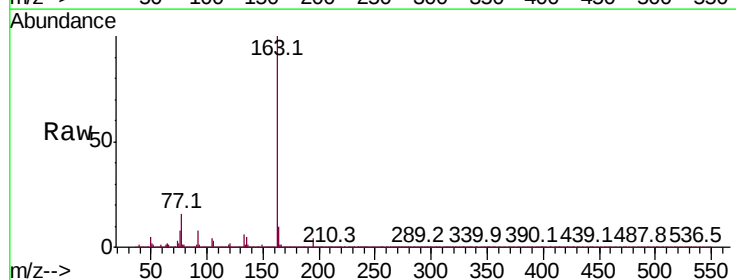
Tgt Ion:163 Resp: 578124

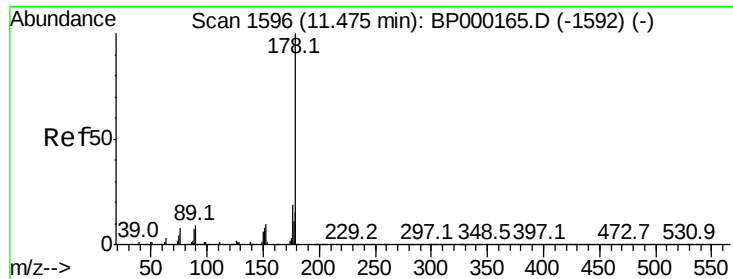
Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

164 9.6 8.4 12.6





#70

Phenanthrene

Concen: 7.603 ng/ul

RT: 11.48 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BP000190.D

Acq: 11 Sep 2019 01:29

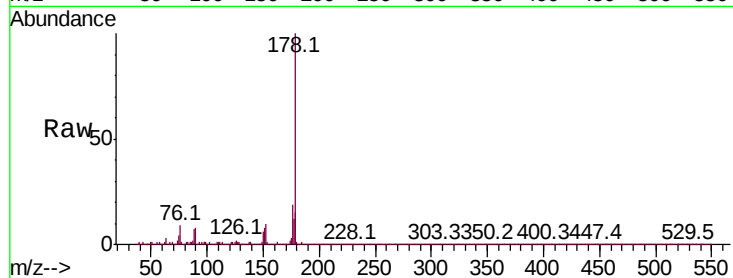
Instrument :

BNA\_P

ClientSampleId :

Tot Ion:178 Resp: 645059

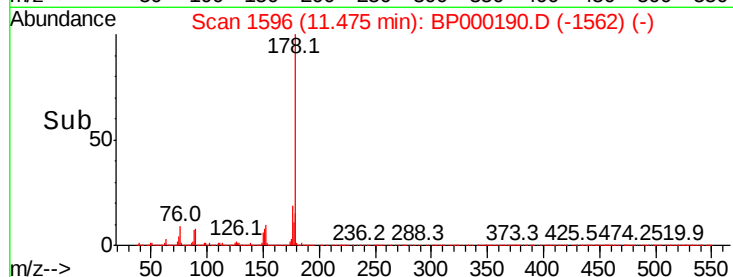
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.3  | 12.5  | 18.7  |
| 176 | 19.1  | 15.7  | 23.5  |



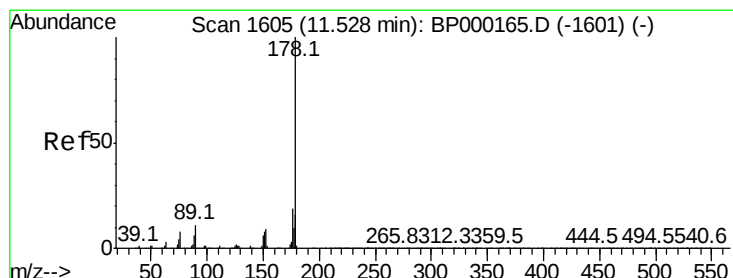
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#72

Anthracene

Concen: 1.654 ng/ul

RT: 11.53 min Scan# 1605

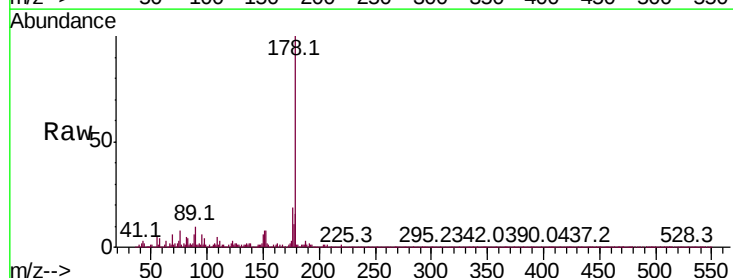
Delta R.T. 0.00 min

Lab File: BP000190.D

Acq: 11 Sep 2019 01:29

Tgt Ion:178 Resp: 138125

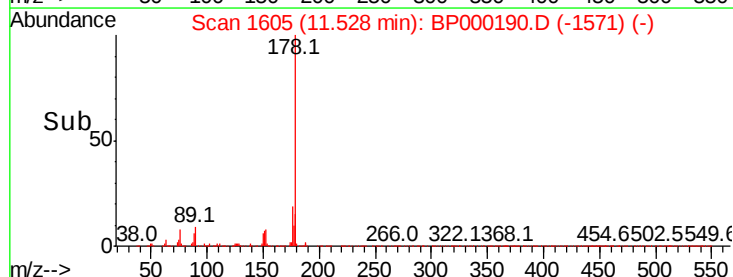
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.8  | 12.3  | 18.5  |
| 176 | 18.9  | 15.1  | 22.7  |



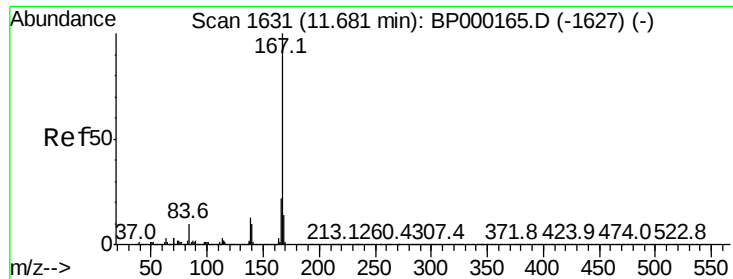
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#75

Carbazole

Concen: 1.357 ng/ul

RT: 11.68 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BP000190.D

Acq: 11 Sep 2019 01:29

Instrument :

BNA\_P

ClientSampleId :

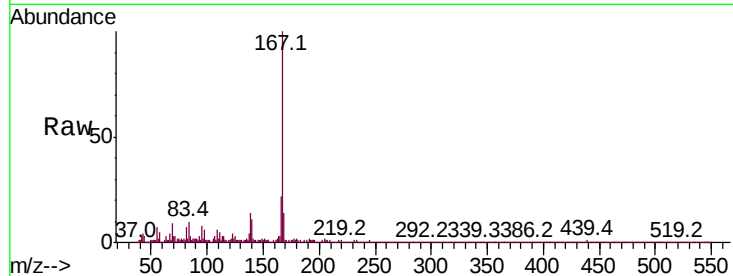
Tot Ion:167 Resp: 96873

Ion Ratio Lower Upper

167 100

166 22.1 17.3 25.9

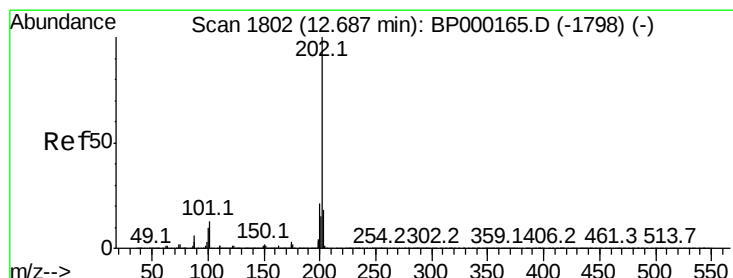
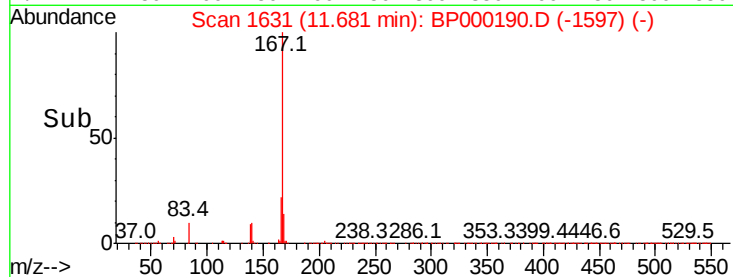
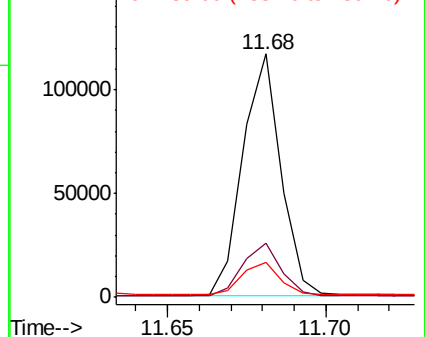
139 14.3 10.6 15.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 12.973 ng/ul

RT: 12.69 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BP000190.D

Acq: 11 Sep 2019 01:29

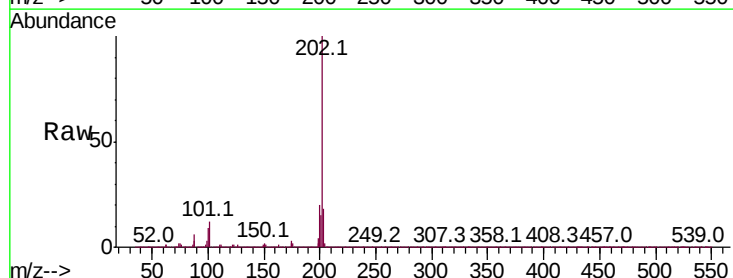
Tgt Ion:202 Resp: 1110203

Ion Ratio Lower Upper

202 100

101 11.7 10.0 15.0

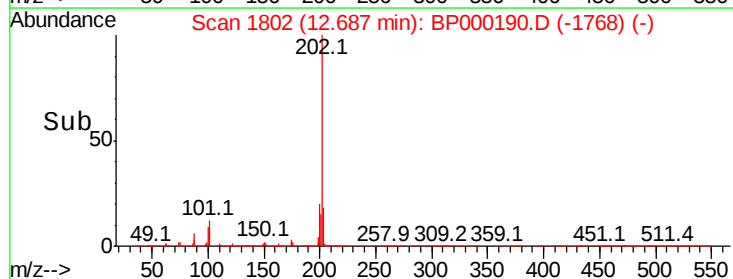
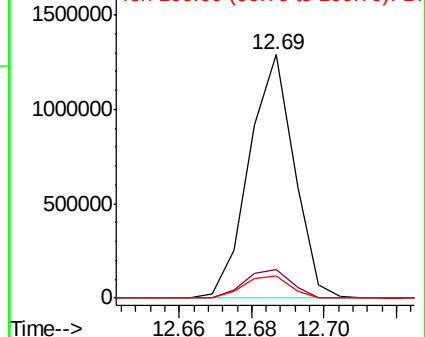
100 9.1 7.4 11.2

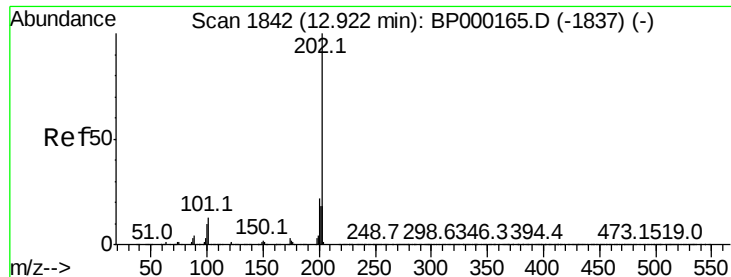


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pvrene

Concen: 9.917 ng/ul

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BP000190.D

Acq: 11 Sep 2019 01:29

Instrument :

BNA\_P

ClientSampleId :

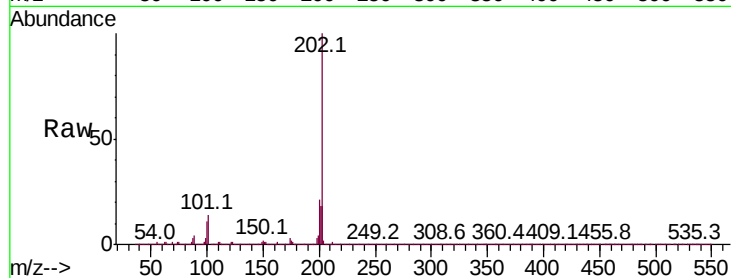
Tot Ion:202 Resp: 842582

Ion Ratio Lower Upper

202 100

101 13.5 13.4 20.0

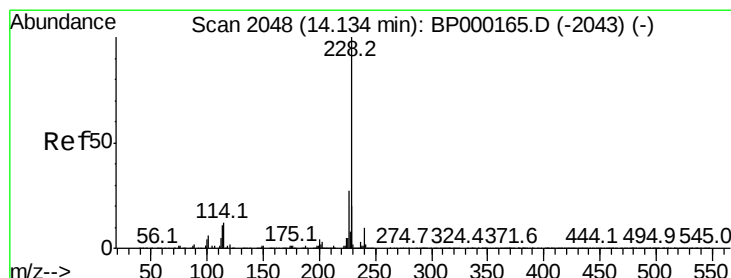
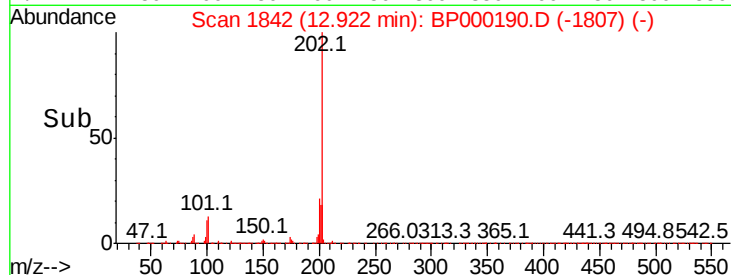
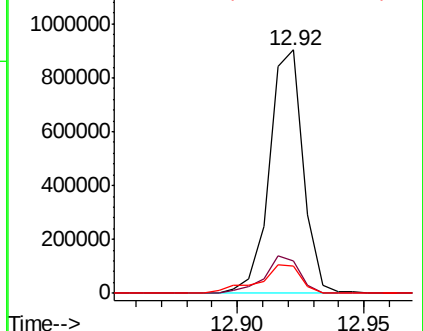
100 11.1 10.8 16.2



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



#83

Benzo(a)anthracene

Concen: 6.198 ng/ul

RT: 14.13 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BP000190.D

Acq: 11 Sep 2019 01:29

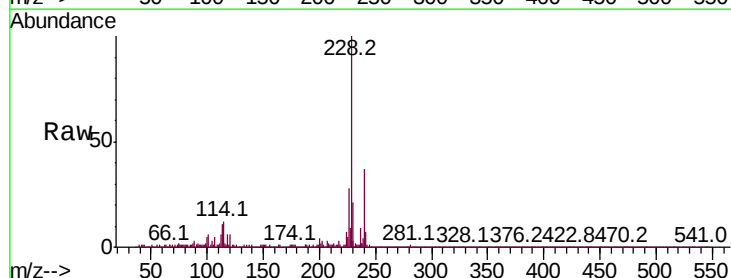
Tgt Ion:228 Resp: 505252

Ion Ratio Lower Upper

228 100

229 20.8 15.9 23.9

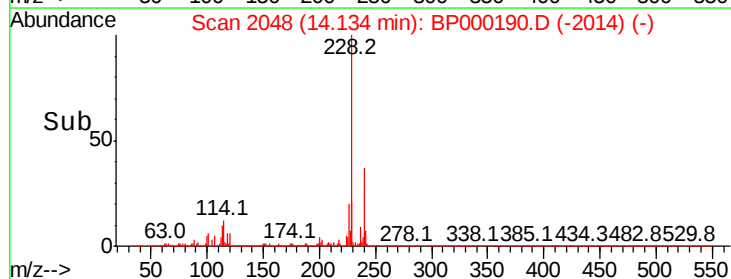
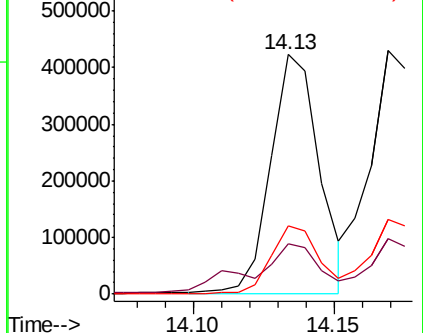
226 28.5 22.1 33.1

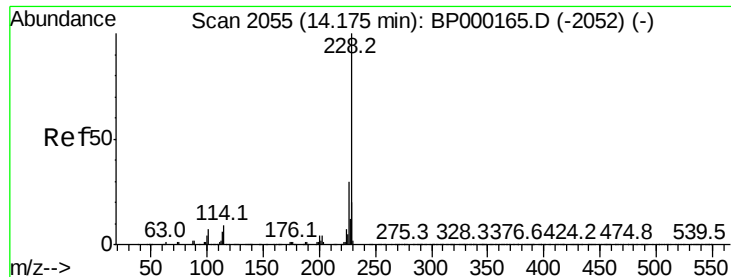


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

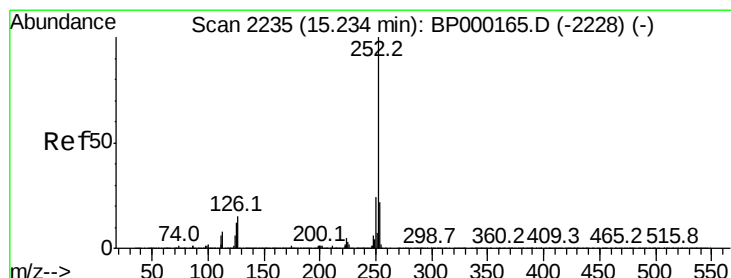
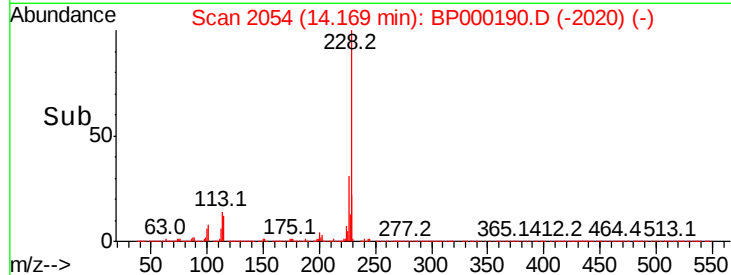
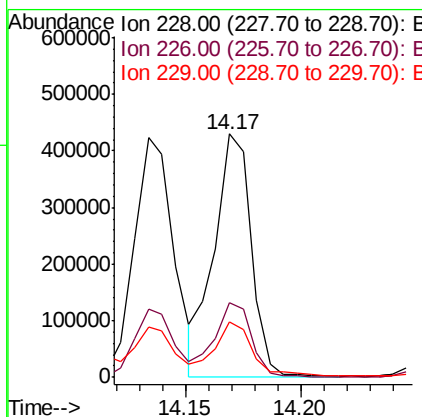
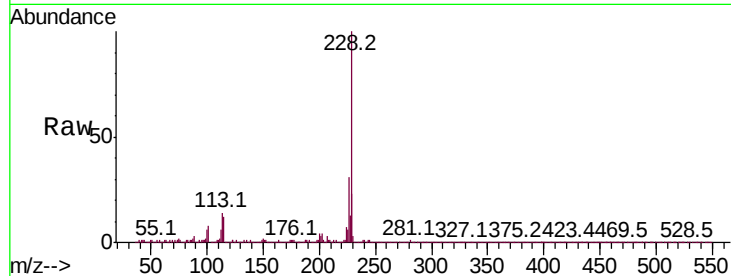




#85  
 Chrysene  
 Concen: 6.405 ng/ul  
 RT: 14.17 min Scan# 2054  
 Delta R.T. 0.00 min  
 Lab File: BP000190.D  
 Acq: 11 Sep 2019 01:29

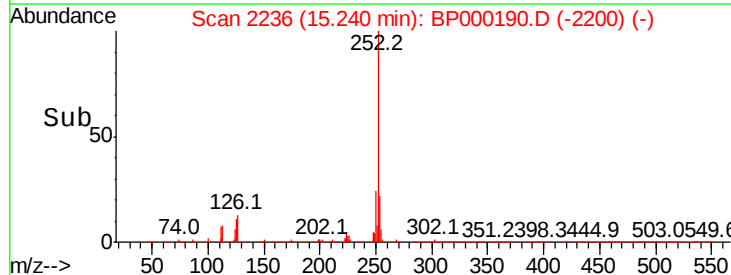
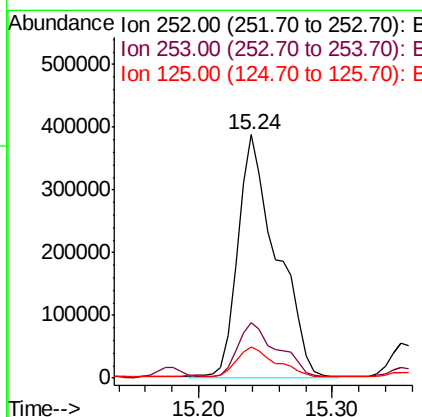
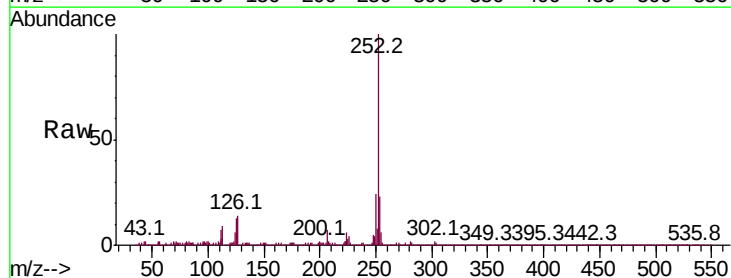
Instrument :  
 BNA\_P  
 ClientSampled :

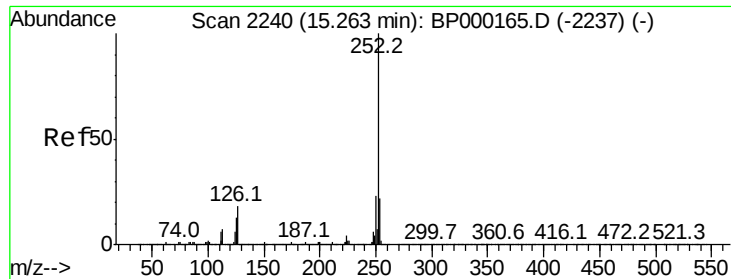
|     |         |       |        |
|-----|---------|-------|--------|
| Tot | Ion:228 | Resp: | 479145 |
| Ion | Ratio   | Lower | Upper  |
| 228 | 100     |       |        |
| 226 | 30.7    | 24.4  | 36.6   |
| 229 | 22.9    | 16.0  | 24.0   |



#88  
 Benzo(b)fluoranthene  
 Concen: 9.588 ng/ul  
 RT: 15.24 min Scan# 2236  
 Delta R.T. 0.01 min  
 Lab File: BP000190.D  
 Acq: 11 Sep 2019 01:29

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:252 | Resp: | 775775 |
| Ion | Ratio   | Lower | Upper  |
| 252 | 100     |       |        |
| 253 | 22.6    | 17.5  | 26.3   |
| 125 | 12.6    | 9.9   | 14.9   |





#89

Benzo(k)fluoranthene

Concen: 10.193 ng/ul

RT: 15.24 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BP000190.D

Acq: 11 Sep 2019 01:29

Instrument :

BNA\_P

ClientSampled :

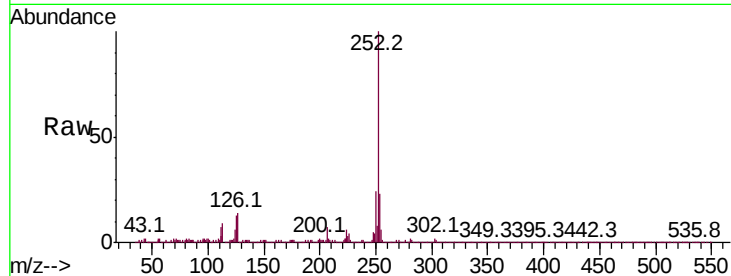
Tot Ion:252 Resp: 777448

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

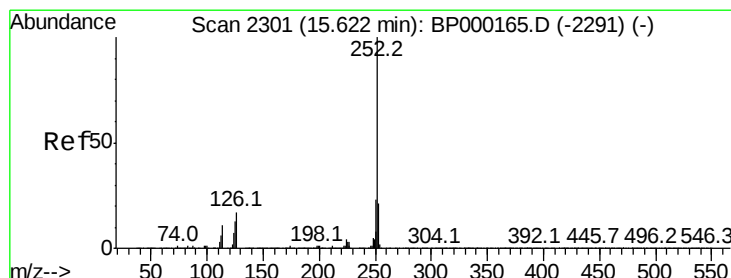
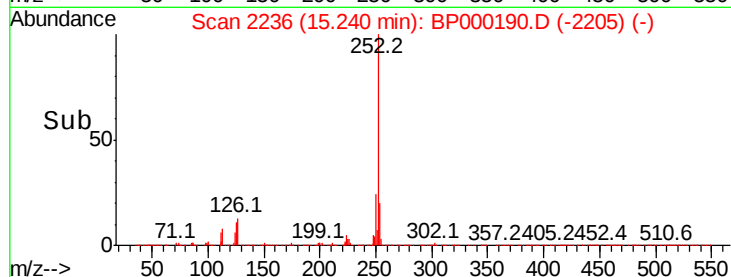
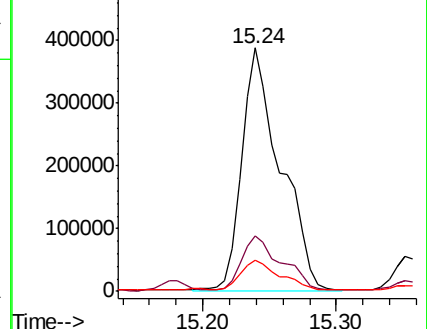
125 12.6 10.2 15.2



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



#91

Benzo(a)pyrene

Concen: 5.158 ng/ul

RT: 15.63 min Scan# 2303

Delta R.T. 0.02 min

Lab File: BP000190.D

Acq: 11 Sep 2019 01:29

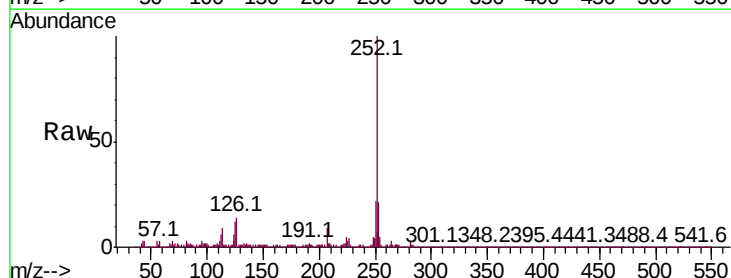
Tgt Ion:252 Resp: 391551

Ion Ratio Lower Upper

252 100

253 20.9 17.5 26.3

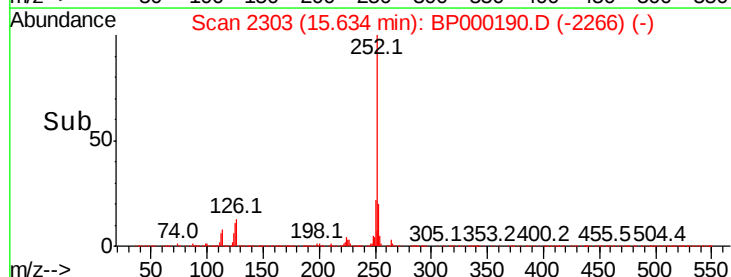
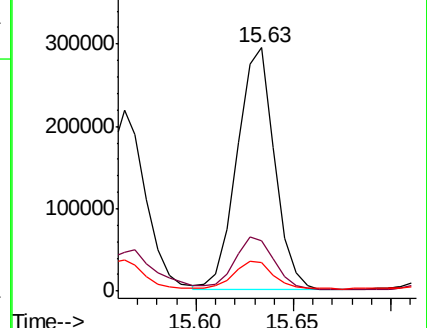
125 11.7 10.2 15.2

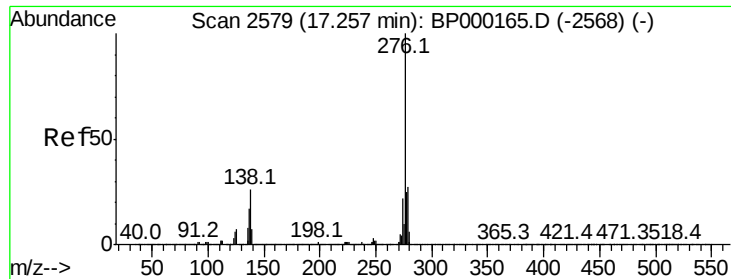


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



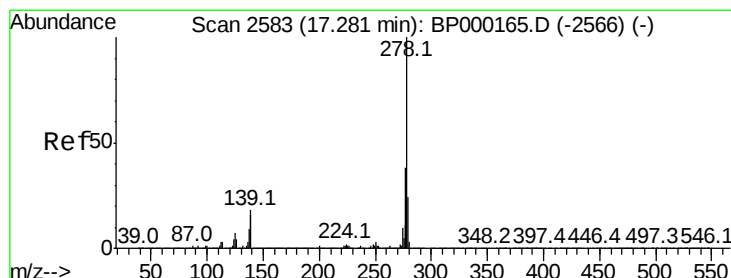
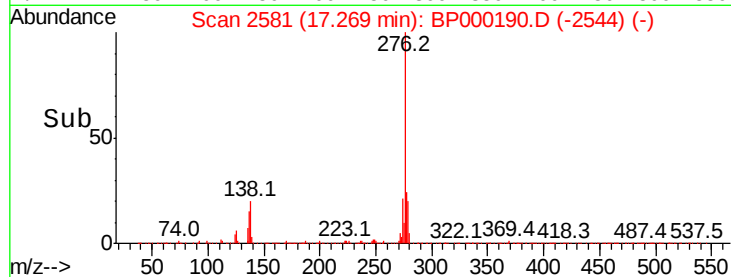
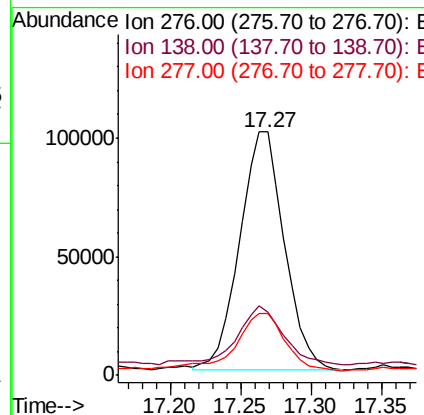
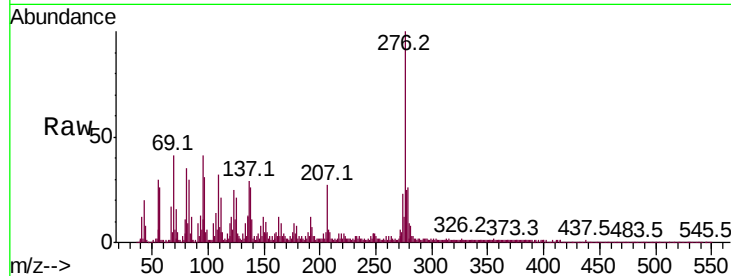


#92

Indeno(1,2,3-cd)pyrene  
Concen: 2.543 ng/ul  
RT: 17.27 min Scan# 2581  
Delta R.T. 0.02 min  
Lab File: BP000190.D  
Acq: 11 Sep 2019 01:29

Instrument :  
BNA\_P  
ClientSampled :

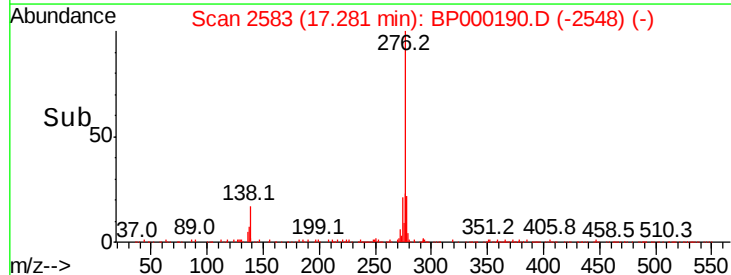
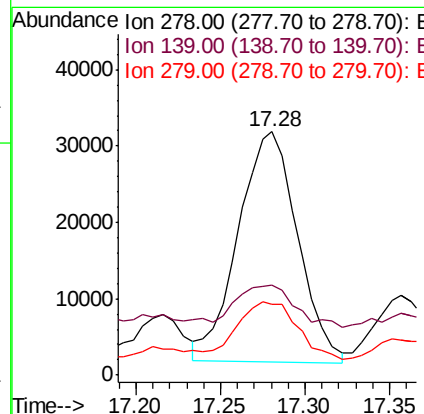
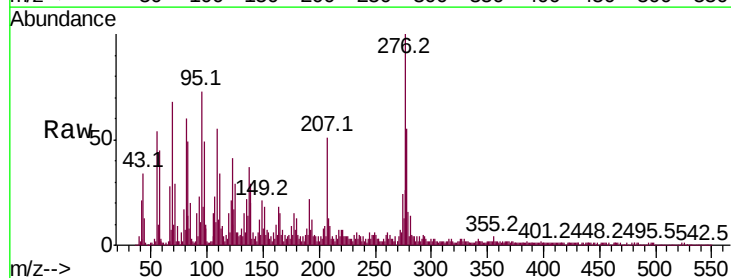
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.8  | 20.0  | 30.0  |
| 277     | 25.4  | 19.4  | 29.0  |

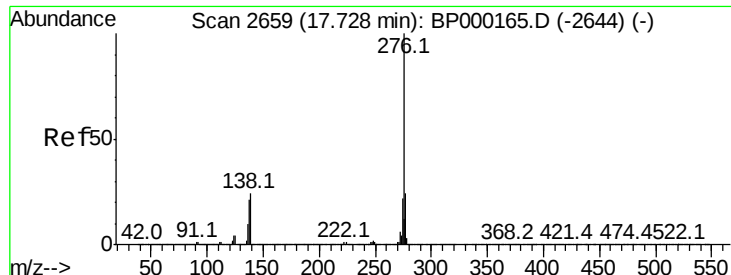


#93

Dibenzo(a,h)anthracene  
Concen: 1.017 ng/ul  
RT: 17.28 min Scan# 2583  
Delta R.T. 0.01 min  
Lab File: BP000190.D  
Acq: 11 Sep 2019 01:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 37.1  | 15.1  | 22.7# |
| 279     | 29.0  | 19.2  | 28.8# |





#94

Benzo(a,h,i)perylene

Concen: 2.678 ng/ul

RT: 17.73 min Scan# 2660

Delta R.T. 0.01 min

Lab File: BP000190.D

Acq: 11 Sep 2019 01:29

Instrument :

BNA\_P

ClientSampleId :

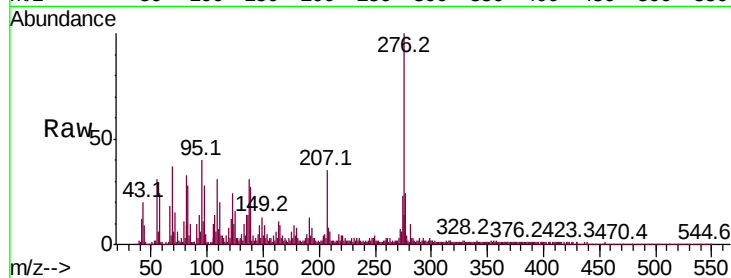
Tot Ion: 276 Resp: 195040

Ion Ratio Lower Upper

276 100

138 27.3 20.0 30.0

277 24.3 19.1 28.7



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

