

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101219\  
 Data File : BP000661.D  
 Acq On : 12 Oct 2019 12:43  
 Operator : JU  
 Sample : K5199-07  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Oct 12 21:46:35 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP100919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 09 17:20:45 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.75  | 152  | 208444   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 8.03  | 136  | 812554   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 9.80  | 164  | 464447   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 11.29 | 188  | 860967   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 13.97 | 240  | 725320   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 15.45 | 264  | 789112   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 2.36  | 96  | 23285   | 4.63  | ng/uL | -0.01 |
| 5) Phenol-d5                   | 6.38  | 99  | 385089  | 23.95 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.43  | 67  | 217017  | 27.00 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 6.52  | 132 | 339772  | 25.08 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 7.13  | 113 | 262975  | 21.41 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 7.30  | 128 | 164765  | 26.68 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 7.63  | 143 | 173125  | 26.32 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 7.88  | 165 | 310187  | 24.64 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 8.09  | 131 | 339031  | 24.22 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 9.49  | 166 | 904097  | 27.81 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 9.64  | 160 | 1080225 | 27.01 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 9.91  | 143 | 87286   | 17.43 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 10.32 | 176 | 774480  | 27.84 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 10.39 | 200 | 79952   | 19.50 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 11.35 | 188 | 1136888 | 28.51 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 12.73 | 212 | 1214342 | 29.61 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 15.36 | 264 | 1155589 | 29.66 | ng/ul | 0.00  |

## Target Compounds

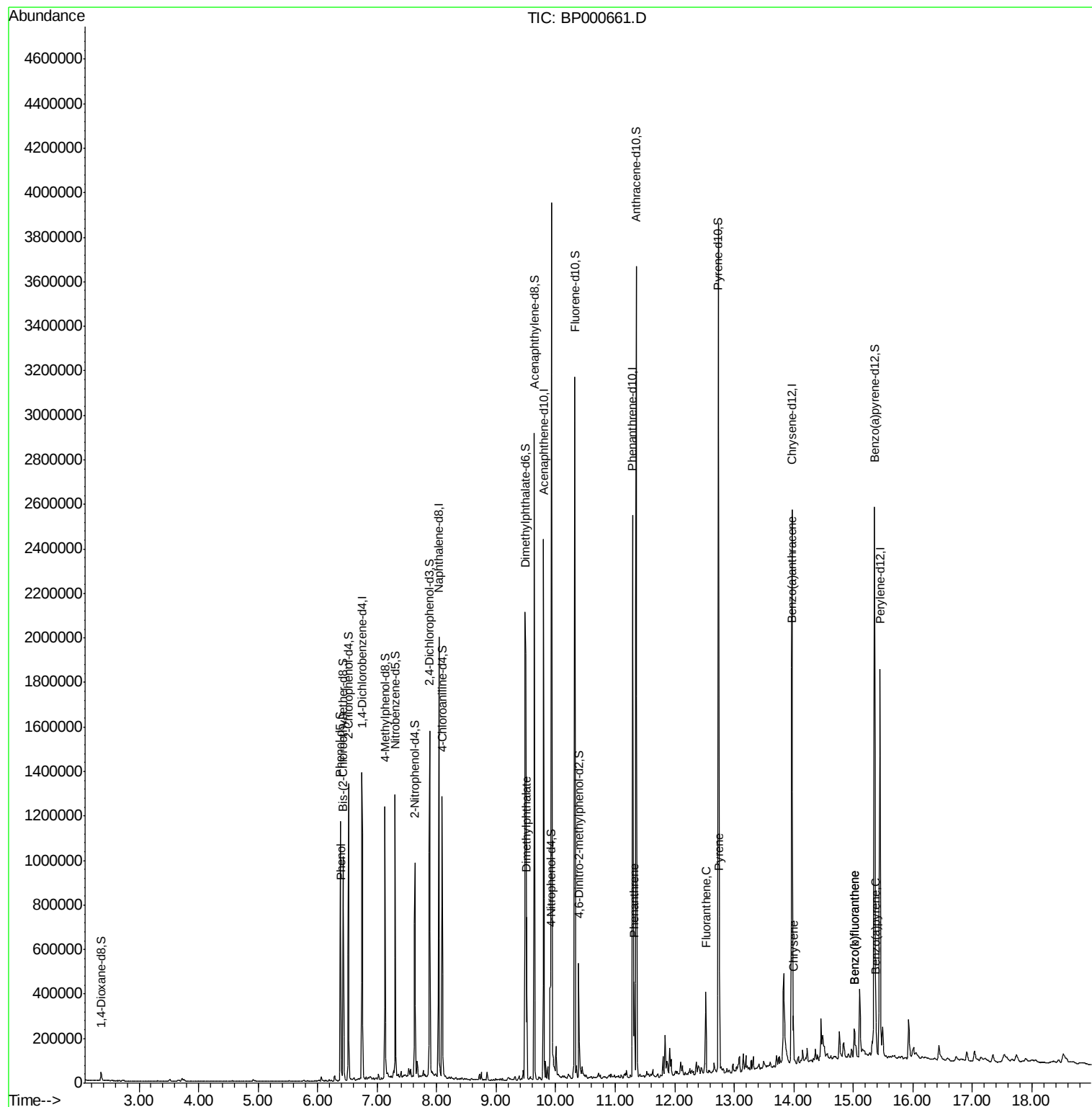
|                          |       |     |        | Ovalue |           |
|--------------------------|-------|-----|--------|--------|-----------|
| 6) Phenol                | 6.39  | 94  | 18502  | 1.141  | ng/ul# 82 |
| 45) Dimethylphthalate    | 9.51  | 163 | 248839 | 7.681  | ng/ul 100 |
| 70) Phenanthrene         | 11.32 | 178 | 142137 | 3.029  | ng/ul 99  |
| 77) Fluoranthene         | 12.52 | 202 | 137946 | 2.869  | ng/ul 98  |
| 80) Pyrene               | 12.75 | 202 | 153100 | 2.975  | ng/ul 96  |
| 83) Benzo(a)anthracene   | 13.96 | 228 | 76625  | 1.574  | ng/ul 98  |
| 85) Chrysene             | 13.99 | 228 | 69310  | 1.532  | ng/ul 98  |
| 88) Benzo(b)fluoranthene | 15.02 | 252 | 69164  | 1.469  | ng/ul 99  |
| 89) Benzo(k)fluoranthene | 15.02 | 252 | 69164  | 1.543  | ng/ul 98  |
| 91) Benzo(a)pyrene       | 15.38 | 252 | 54186  | 1.216  | ng/ul 98  |

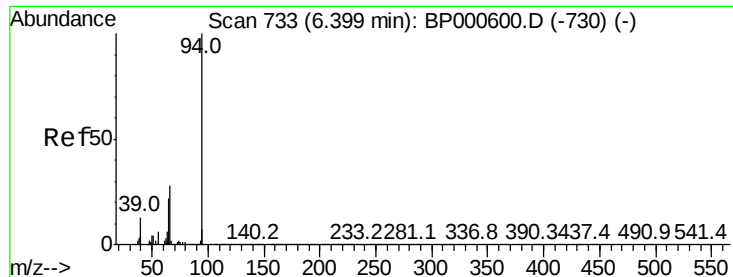
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 09 17:20:45 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 1.141 ng/ul

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BP000661.D

Acq: 12 Oct 2019 12:43

Instrument :

BNA\_P

ClientSampled :

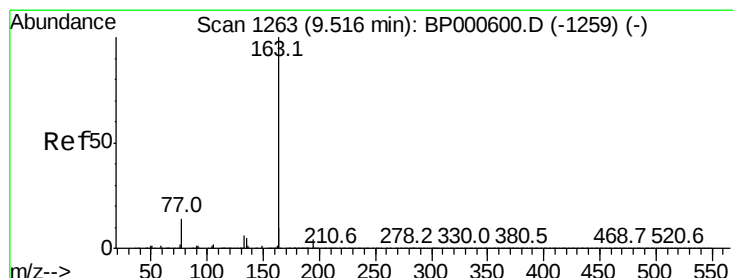
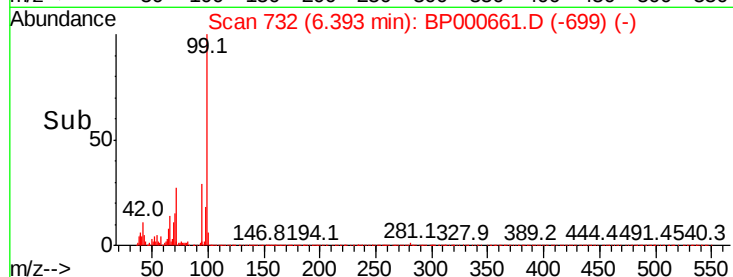
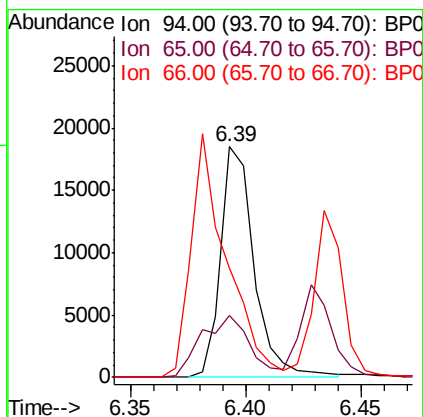
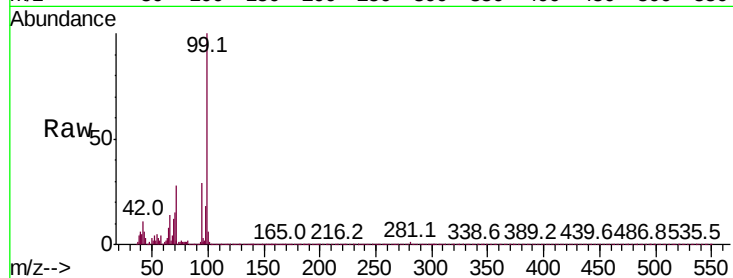
Tot Ion: 94 Resp: 18502

Ion Ratio Lower Upper

94 100

65 27.1 19.2 28.8

66 47.5 25.7 38.5#



#45

Dimethylphthalate

Concen: 7.681 ng/ul

RT: 9.51 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BP000661.D

Acq: 12 Oct 2019 12:43

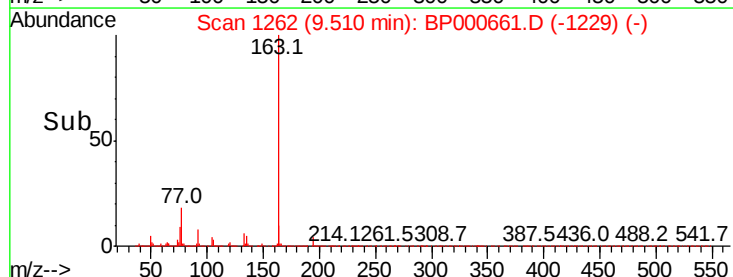
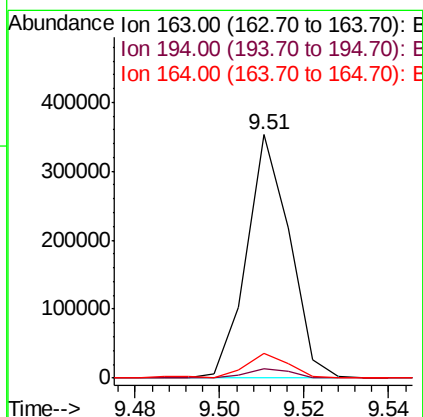
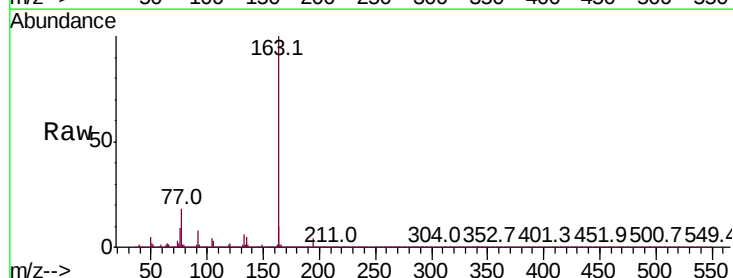
Tgt Ion: 163 Resp: 248839

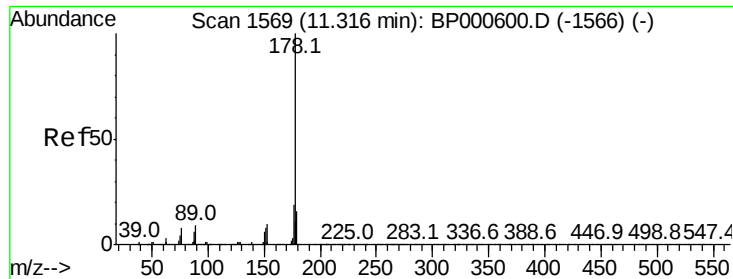
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 10.2 8.1 12.1





#70

Phenanthrene

Concen: 3.029 ng/ul

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BP000661.D

Acq: 12 Oct 2019 12:43

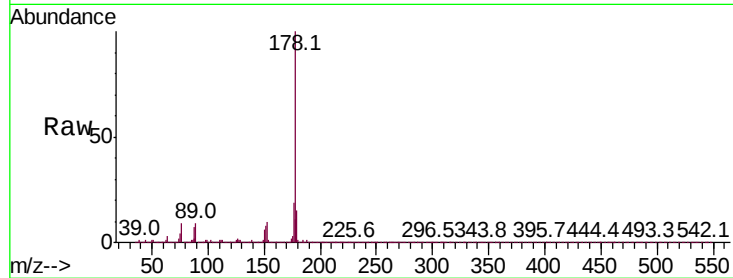
Instrument :

BNA\_P

ClientSampled :

Tot Ion:178 Resp: 142137

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.1  | 12.5  | 18.7  |
| 176 | 18.8  | 15.4  | 23.2  |

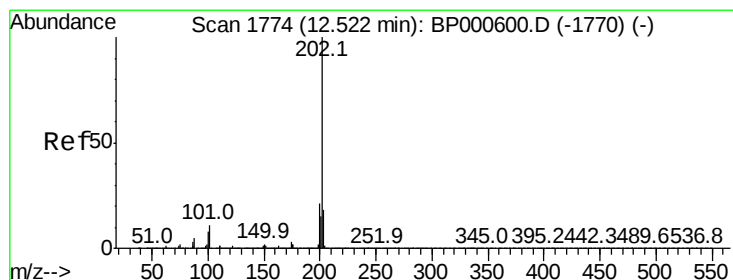
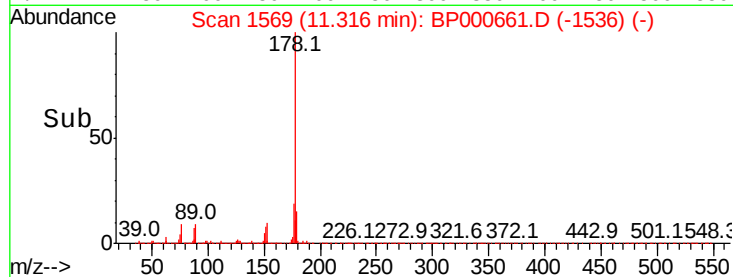
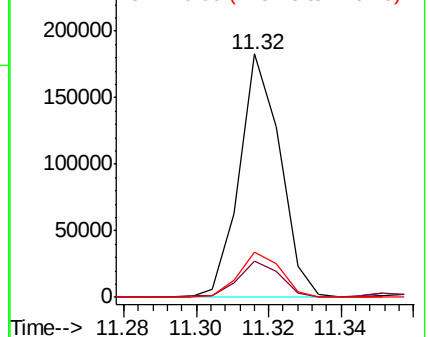


Abundance

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: 2.869 ng/ul

RT: 12.52 min Scan# 1774

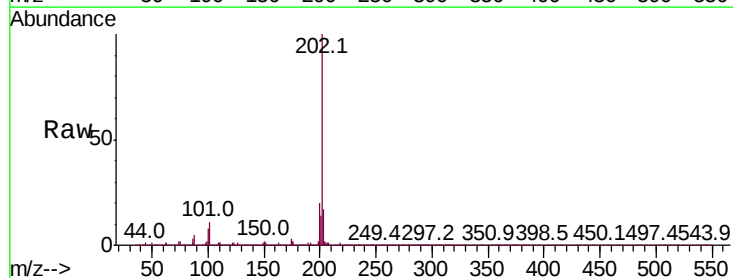
Delta R.T. 0.00 min

Lab File: BP000661.D

Acq: 12 Oct 2019 12:43

Tgt Ion:202 Resp: 137946

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 11.4  | 9.8   | 14.6  |
| 100 | 8.5   | 7.2   | 10.8  |

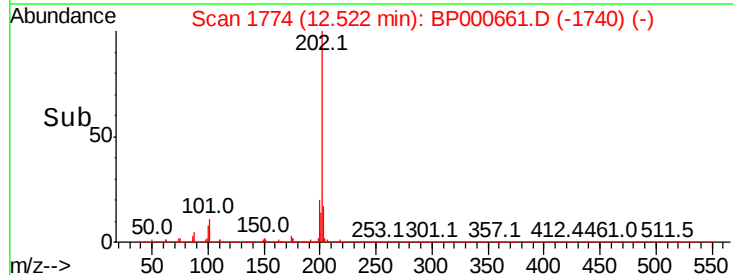
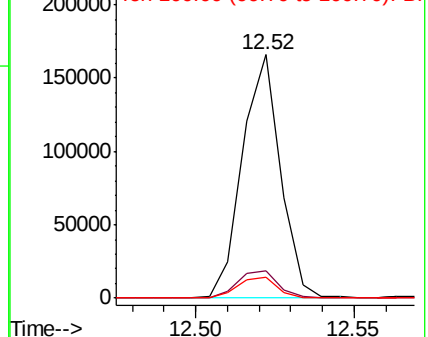


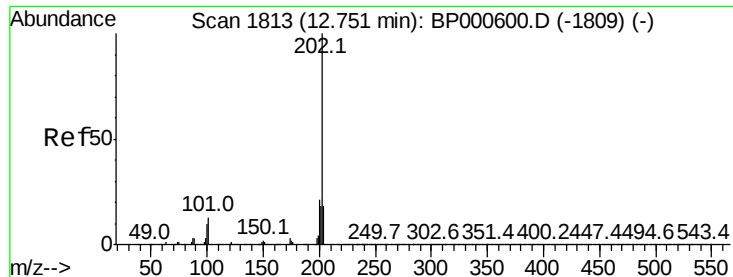
Abundance

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

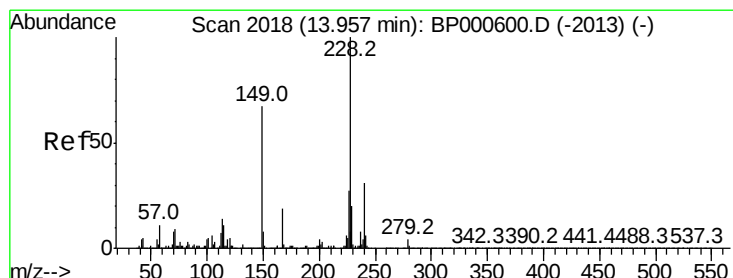
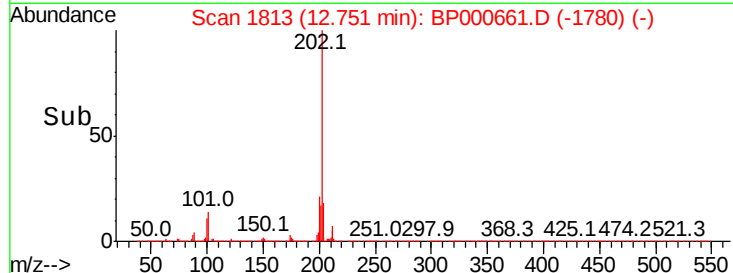
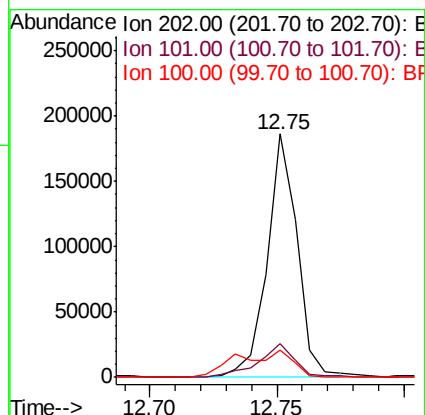
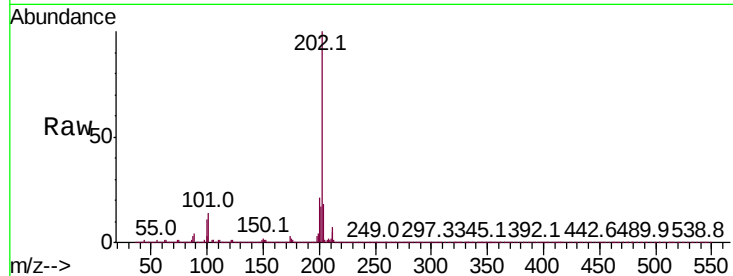




#80  
Pvrene  
Concen: 2.975 ng/ul  
RT: 12.75 min Scan# 1813  
Delta R.T. -0.01 min  
Lab File: BP000661.D  
Acq: 12 Oct 2019 12:43

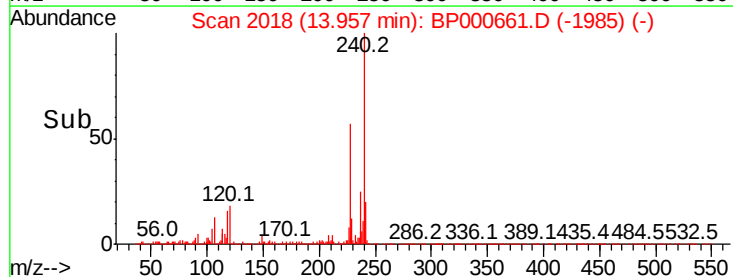
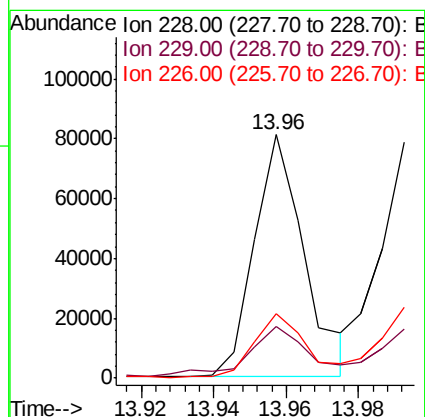
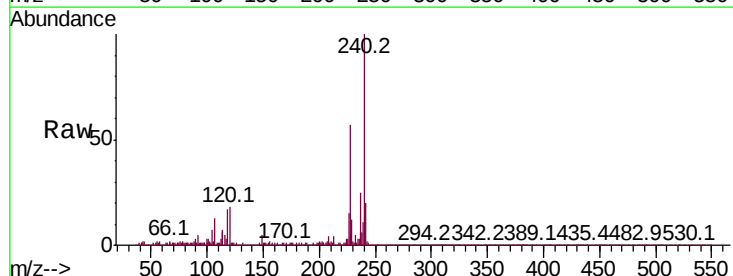
Instrument :  
BNA\_P  
ClientSampleId :

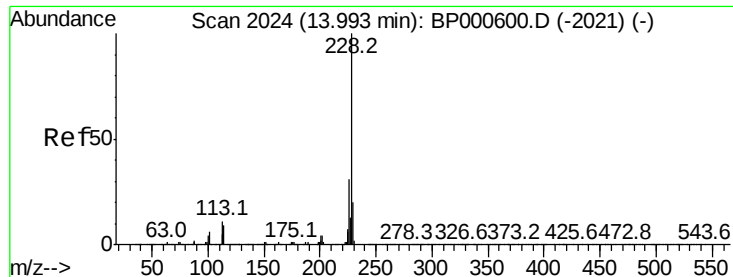
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.8  | 9.7   | 14.5  |
| 100     | 11.1  | 7.8   | 11.8  |



#83  
Benzo(a)anthracene  
Concen: 1.574 ng/ul  
RT: 13.96 min Scan# 2018  
Delta R.T. -0.01 min  
Lab File: BP000661.D  
Acq: 12 Oct 2019 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 21.1  | 15.6  | 23.4  |
| 226     | 26.4  | 21.8  | 32.8  |





#85

Chrysene

Concen: 1.532 ng/ul

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BP000661.D

Acq: 12 Oct 2019 12:43

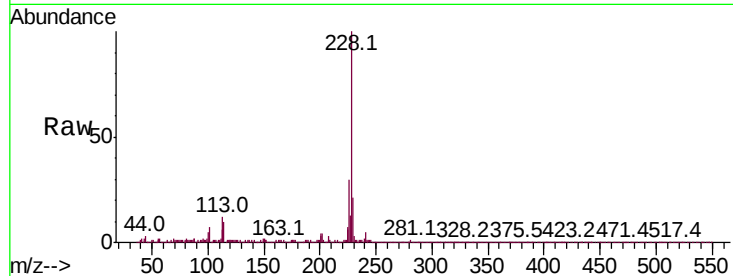
Instrument :

BNA\_P

ClientSampleId :

Tot Ion:228 Resp: 69310

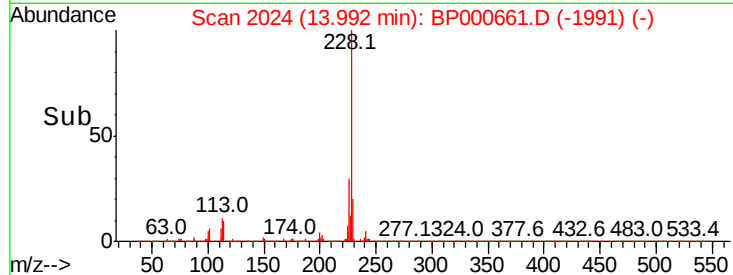
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.8  | 24.2  | 36.4  |
| 229 | 20.9  | 15.8  | 23.6  |



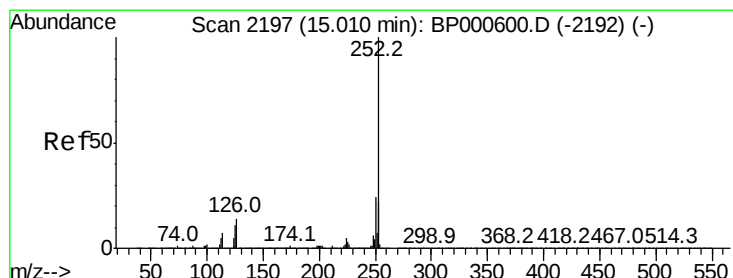
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 13.96 13.98 14.00 14.02



#88

Benzo(b)fluoranthene

Concen: 1.469 ng/ul

RT: 15.02 min Scan# 2198

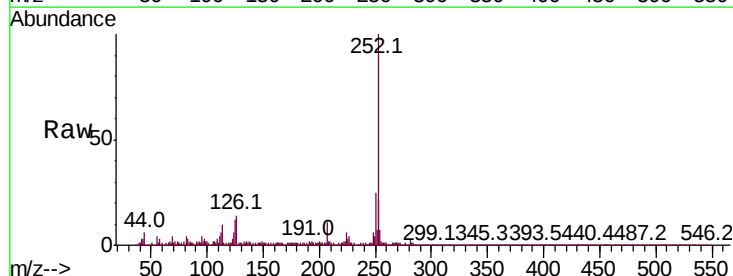
Delta R.T. 0.00 min

Lab File: BP000661.D

Acq: 12 Oct 2019 12:43

Tgt Ion:252 Resp: 69164

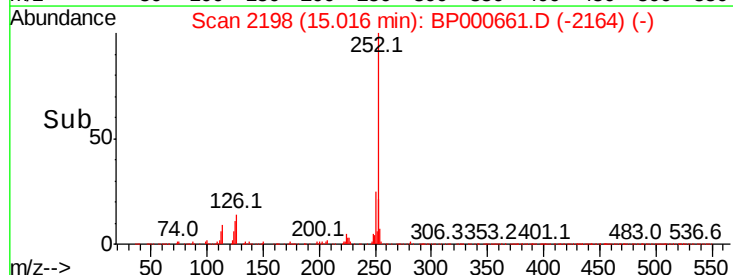
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.8  | 17.6  | 26.4  |
| 125 | 11.9  | 8.7   | 13.1  |



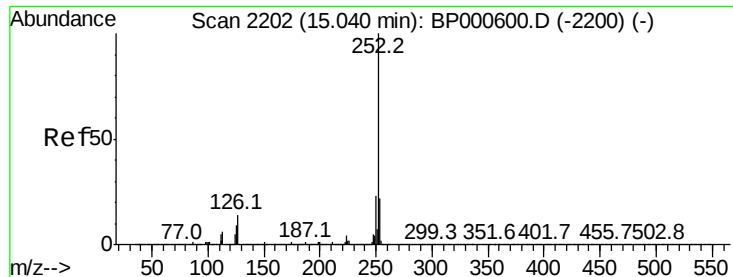
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 15.00



#89

Benzo(k)fluoranthene

Concen: 1.543 ng/ul

RT: 15.02 min Scan# 2198

Delta R.T. -0.03 min

Lab File: BP000661.D

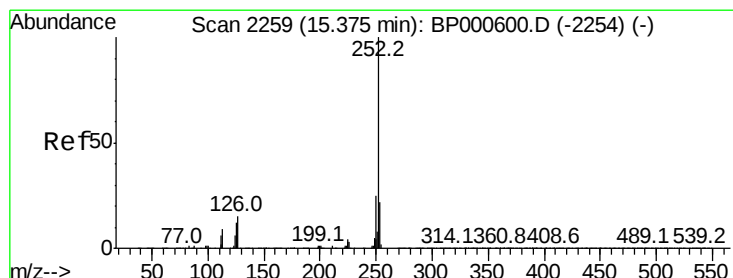
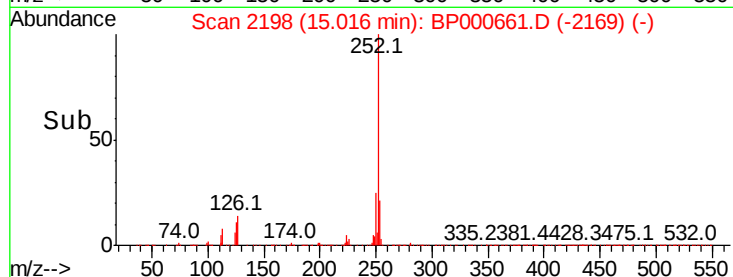
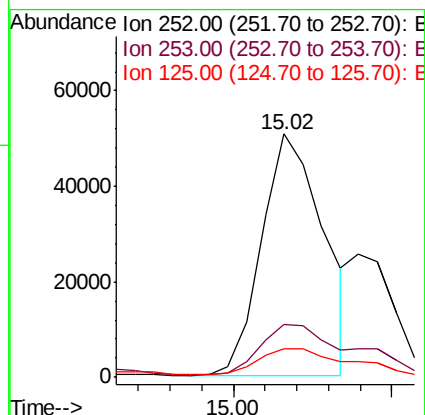
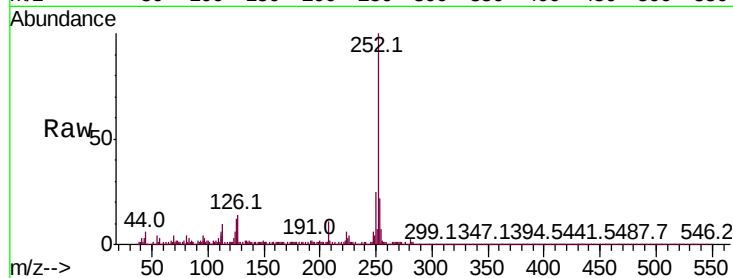
Acq: 12 Oct 2019 12:43

Instrument :

BNA\_P

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:252 | Resp: | 69164     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 21.8  | 17.8 26.6 |
| 125         | 11.9  | 8.2 12.4  |



#91

Benzo(a)pyrene

Concen: 1.216 ng/ul

RT: 15.38 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BP000661.D

Acq: 12 Oct 2019 12:43

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 54186     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 22.9  | 17.6 26.4 |
| 125         | 12.7  | 9.7 14.5  |

