

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031518\  
 Data File : BN000412.D  
 Acq On : 15 Mar 2018 13:05  
 Operator : JU/SJ  
 Sample : J1864-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Mar 16 05:44:15 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 16 05:42:40 2018  
 Response via : Initial Calibration

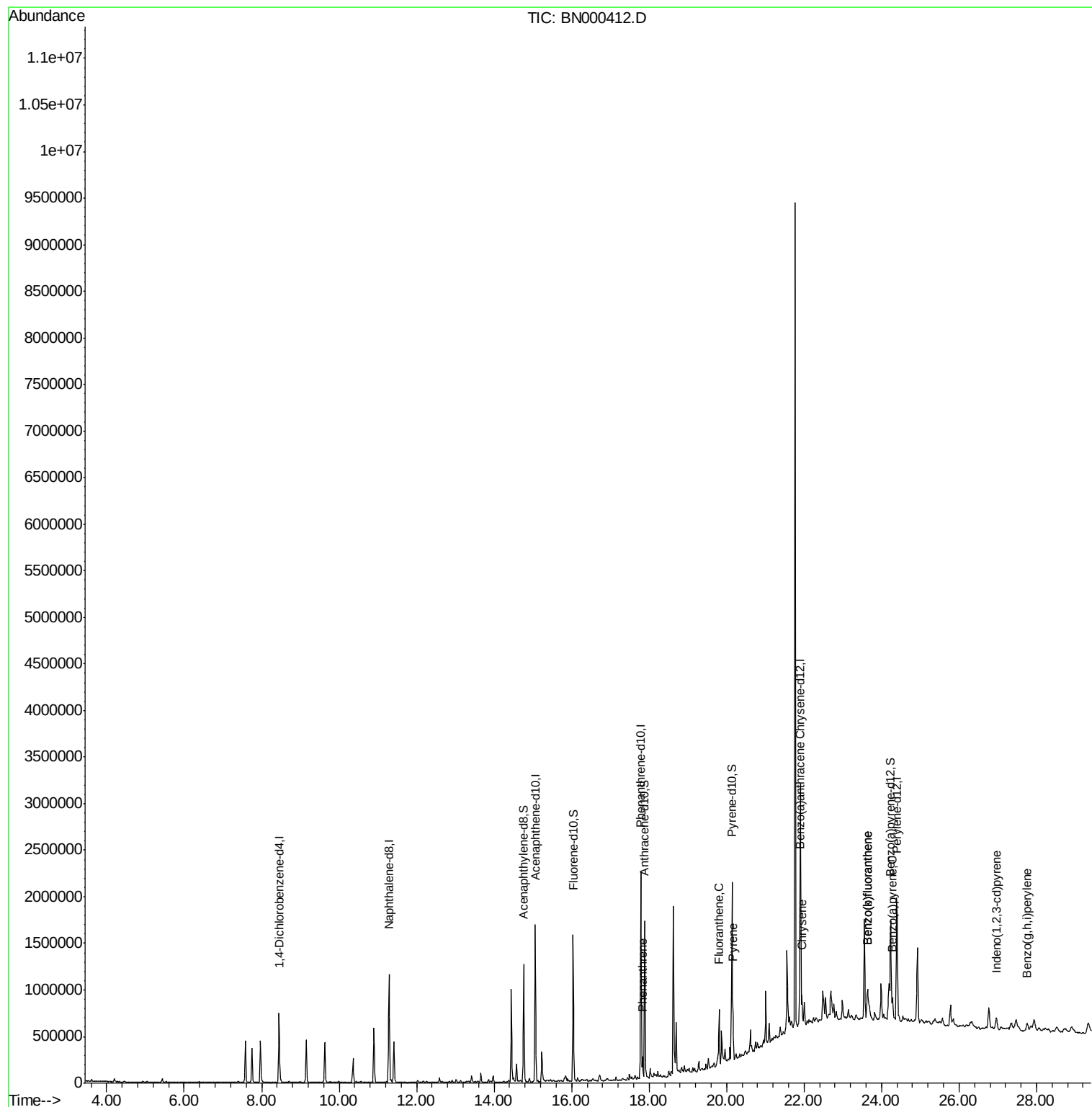
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.45  | 152  | 201246   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.29 | 136  | 973973   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.06 | 164  | 550482   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.79 | 188  | 1213509  | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.91 | 240  | 1062354  | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 24.40 | 264  | 968168   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 14.76 | 160  | 857619   | 15.70  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 16.04 | 176  | 567019   | 15.33  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 17.88 | 188  | 880306   | 15.53  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 20.14 | 212  | 932798   | 17.95  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.24 | 264  | 686169   | 15.52  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 13) Phenanthrene            | 17.83 | 178  | 118847   | 1.708  | ng/ul  | 99       |
| 16) Fluoranthene            | 19.81 | 202  | 324277   | 4.313  | ng/ul# | 92       |
| 19) Pyrene                  | 20.17 | 202  | 295806   | 4.410  | ng/ul# | 90       |
| 20) Benzo(a)anthracene      | 21.89 | 228  | 171908   | 2.603  | ng/ul  | 97       |
| 21) Chrysene                | 21.94 | 228  | 176375   | 2.814  | ng/ul  | 97       |
| 23) Benzo(b)fluoranthene    | 23.64 | 252  | 225231   | 3.901  | ng/ul# | 91       |
| 24) Benzo(k)fluoranthene    | 23.64 | 252  | 225231   | 4.168  | ng/ul# | 91       |
| 26) Benzo(a)pyrene          | 24.28 | 252  | 151600   | 2.759  | ng/ul# | 88       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.97 | 276  | 110927   | 1.872  | ng/ul# | 80       |
| 29) Benzo(g,h,i)perylene    | 27.76 | 276  | 111608   | 2.256  | ng/ul# | 85       |

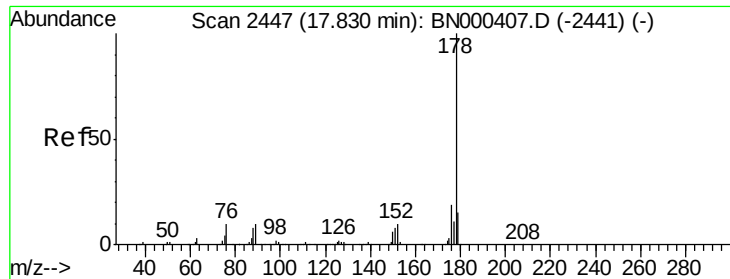
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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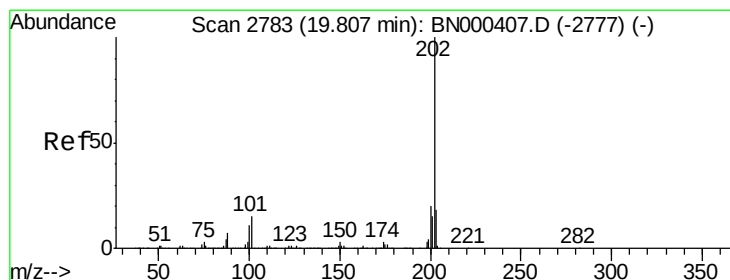
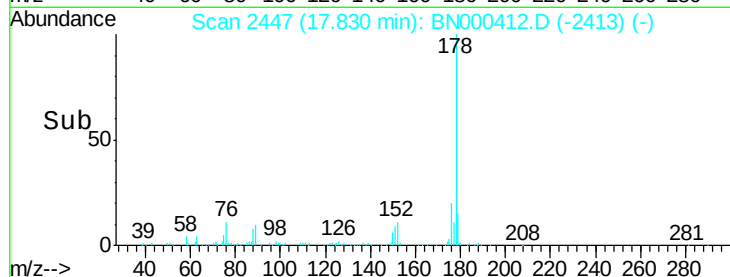
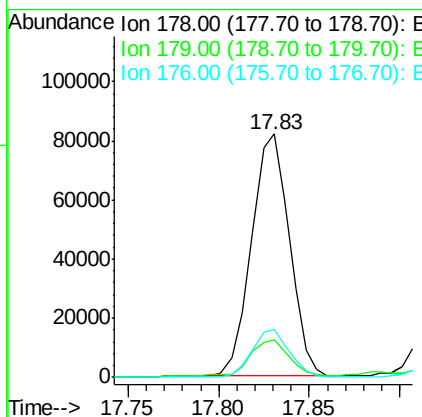
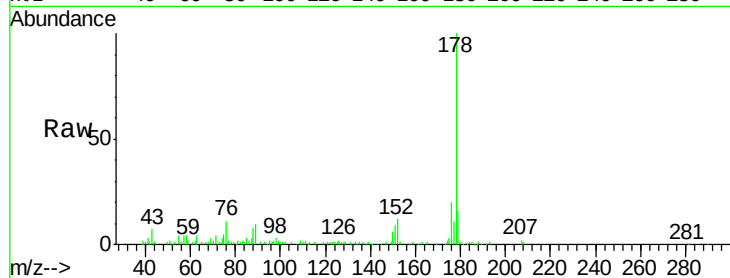




#13  
Phenanthrene  
Concen: 1.708 ng/ul  
RT: 17.83 min Scan# 2447  
Delta R.T. 0.00 min  
Lab File: BN000412.D  
Acq: 15 Mar 2018 13:05

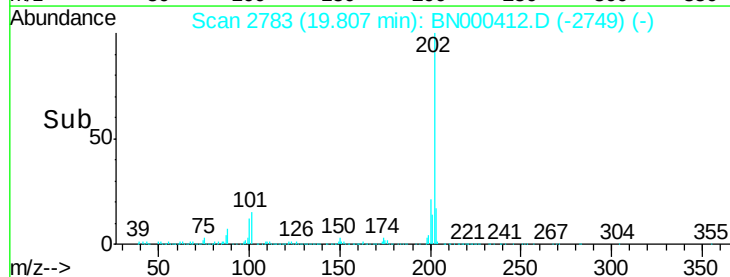
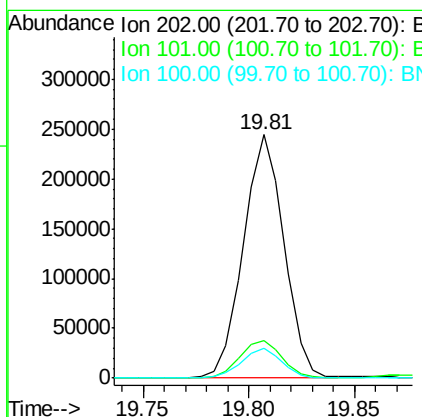
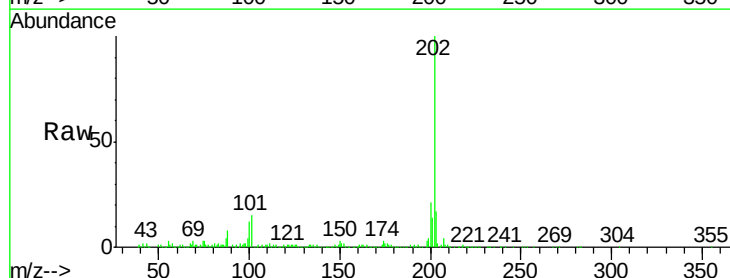
Instrument :  
BNA\_N  
ClientSampleId :

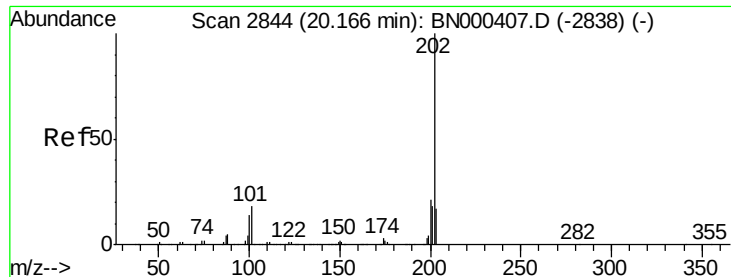
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.6  | 12.3  | 18.5  |
| 176     | 19.7  | 15.1  | 22.7  |



#16  
Fluoranthene  
Concen: 4.313 ng/ul  
RT: 19.81 min Scan# 2783  
Delta R.T. 0.00 min  
Lab File: BN000412.D  
Acq: 15 Mar 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 15.2  | 9.9   | 14.9# |
| 100     | 12.1  | 7.4   | 11.0# |





#19

Pvrene

Concen: 4.410 ng/ul

RT: 20.17 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BN000412.D

Acq: 15 Mar 2018 13:05

Instrument :

BNA\_N

ClientSampleId :

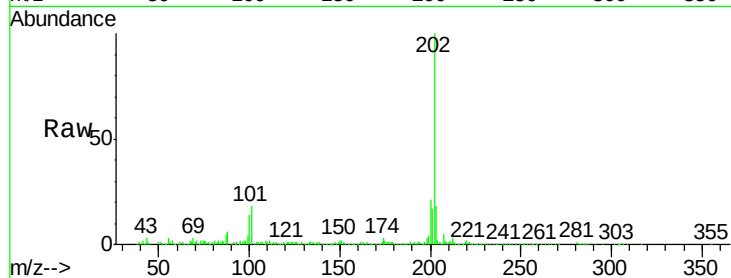
Tot Ion:202 Resp: 295806

Ion Ratio Lower Upper

202 100

101 17.6 11.0 16.4#

100 14.2 8.1 12.1#

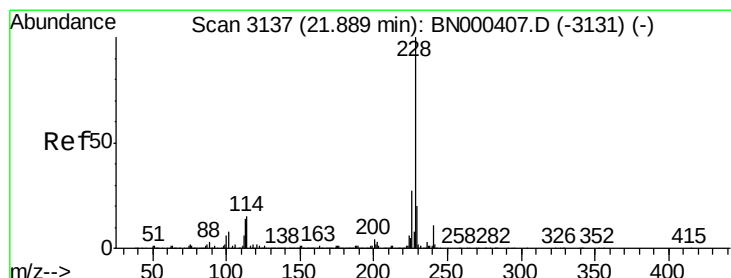
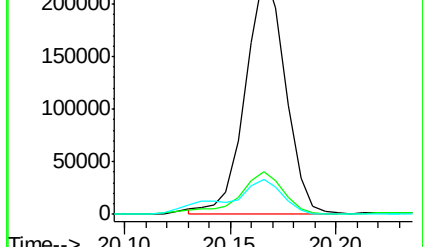
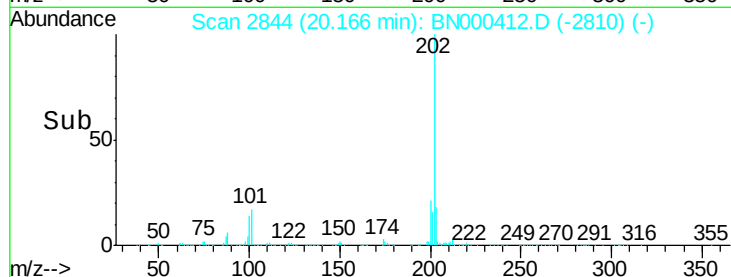


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#20

Benzo(a)anthracene

Concen: 2.603 ng/ul

RT: 21.89 min Scan# 3137

Delta R.T. 0.00 min

Lab File: BN000412.D

Acq: 15 Mar 2018 13:05

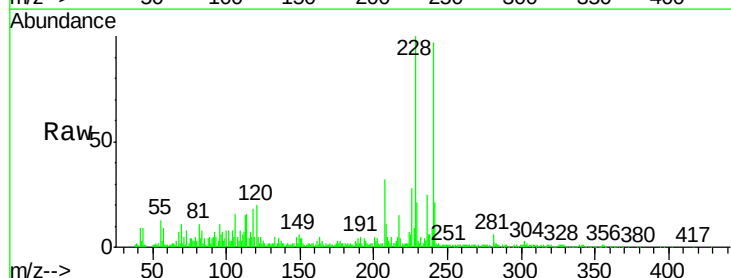
Tgt Ion:228 Resp: 171908

Ion Ratio Lower Upper

228 100

229 21.1 15.7 23.5

226 27.7 21.1 31.7

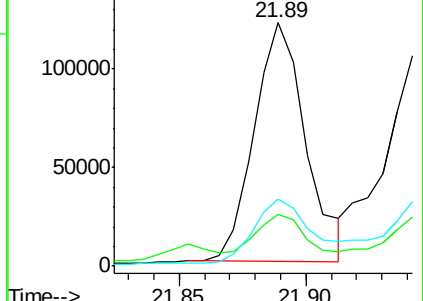
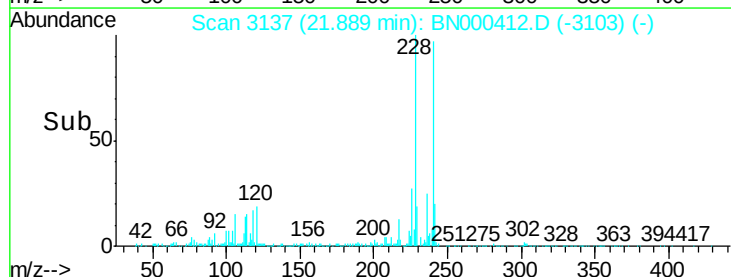


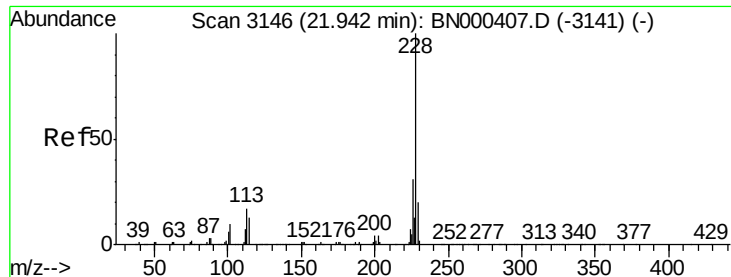
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->





#21

Chrysene

Concen: 2.814 ng/ul

RT: 21.94 min Scan# 3146

Delta R.T. 0.00 min

Lab File: BN000412.D

Acq: 15 Mar 2018 13:05

Instrument :

BNA\_N

ClientSampleId :

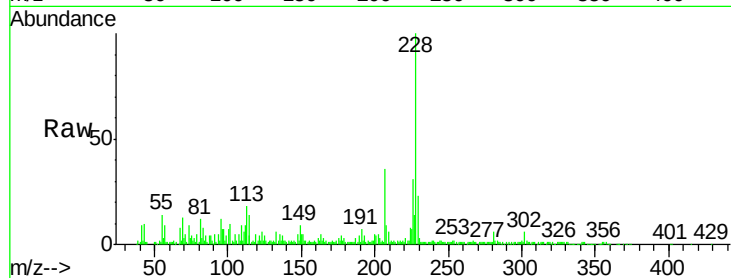
Tot Ion:228 Resp: 176375

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

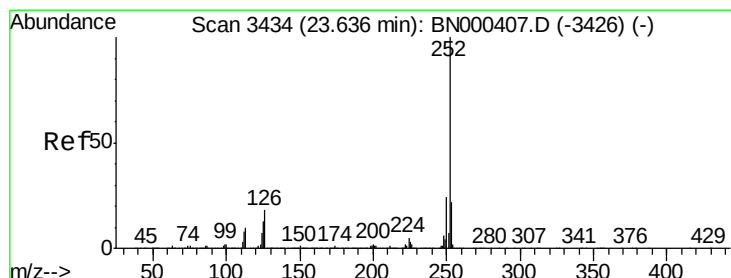
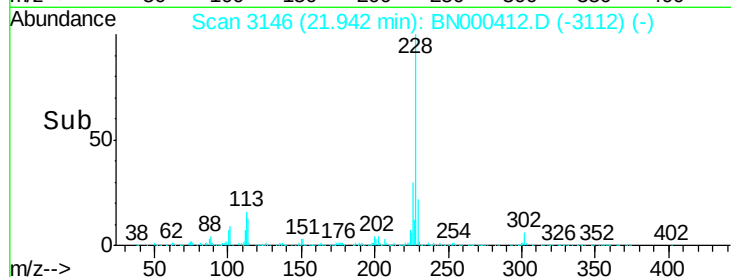
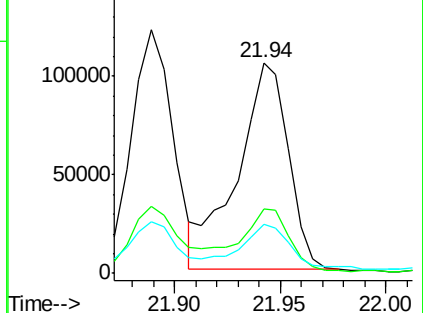
229 23.0 15.8 23.8



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



#23

Benzo(b)fluoranthene

Concen: 3.901 ng/ul

RT: 23.64 min Scan# 3434

Delta R.T. 0.00 min

Lab File: BN000412.D

Acq: 15 Mar 2018 13:05

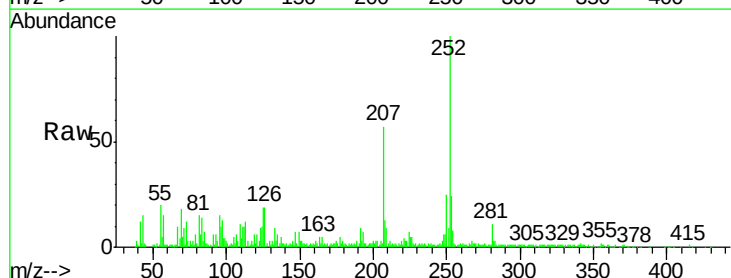
Tgt Ion:252 Resp: 225231

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

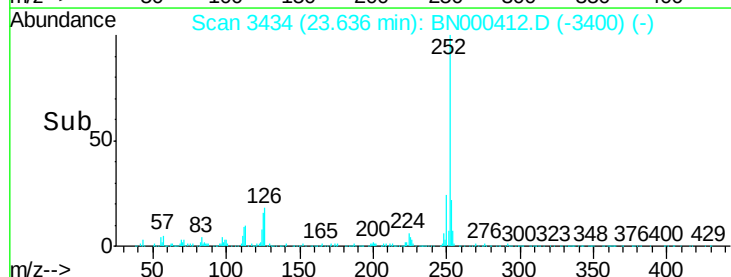
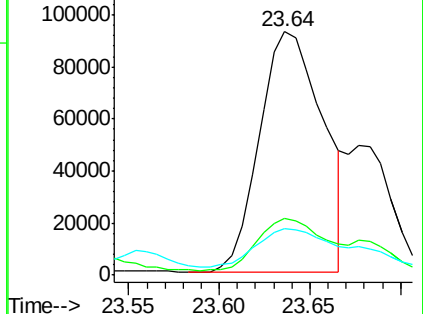
125 19.3 8.0 12.0#

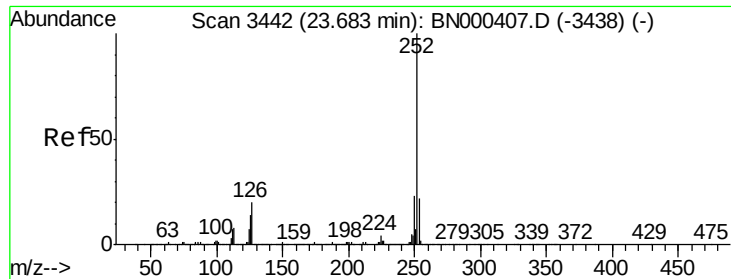


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

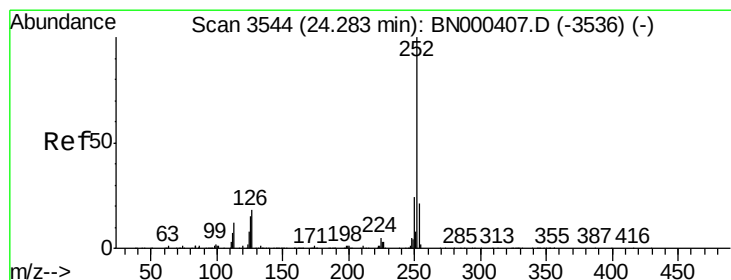
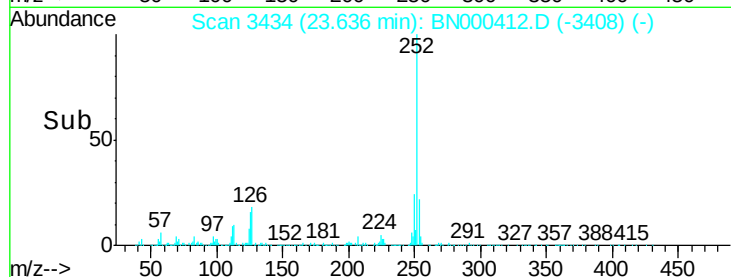
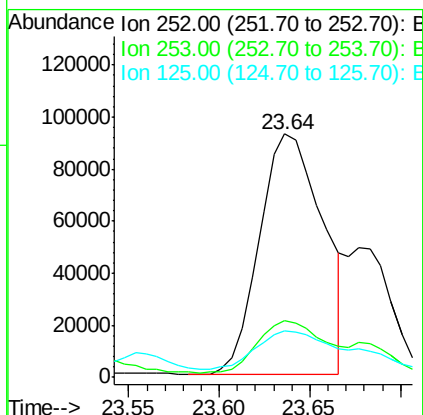
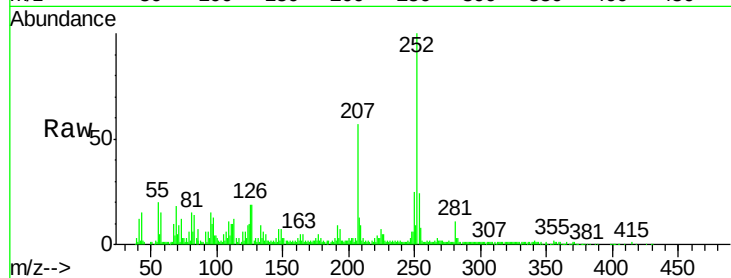




#24  
Benzo(k)fluoranthene  
Concen: 4.168 ng/ul  
RT: 23.64 min Scan# 3434  
Delta R.T. -0.05 min  
Lab File: BN000412.D  
Acq: 15 Mar 2018 13:05

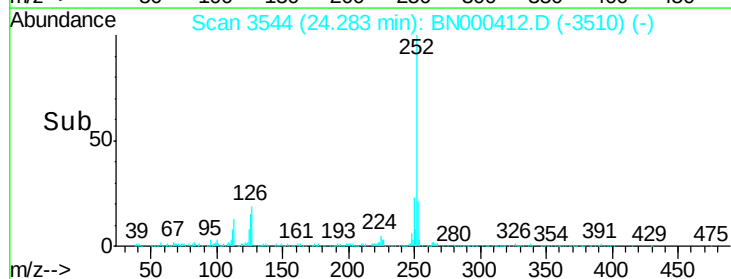
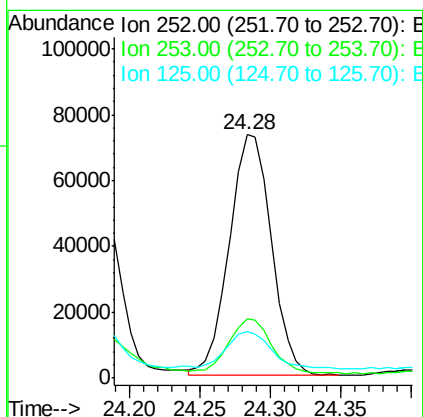
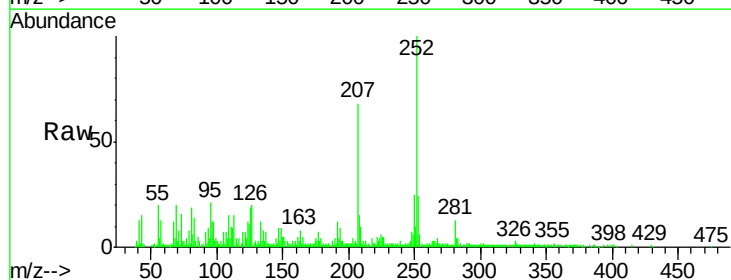
Instrument :  
BNA\_N  
ClientSampleId :

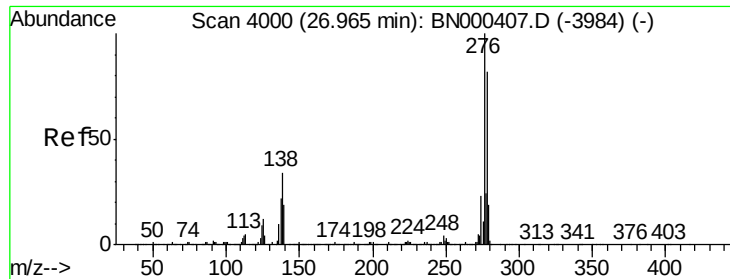
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 18.0  | 27.0  |
| 125     | 19.3  | 8.1   | 12.1  |



#26  
Benzo(a)pyrene  
Concen: 2.759 ng/ul  
RT: 24.28 min Scan# 3544  
Delta R.T. 0.00 min  
Lab File: BN000412.D  
Acq: 15 Mar 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 17.2  | 25.8  |
| 125     | 19.1  | 8.2   | 12.4  |

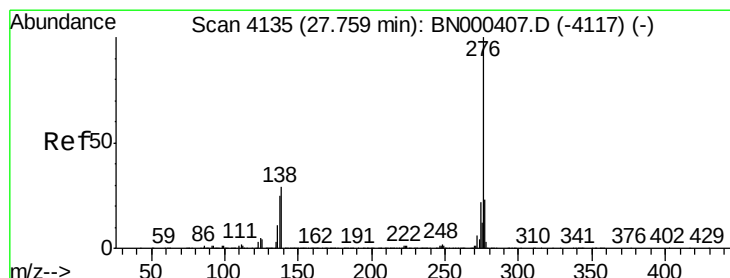
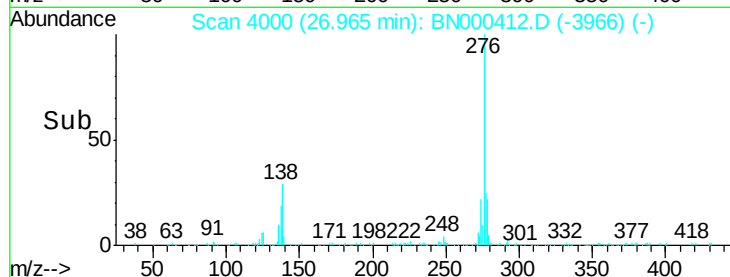
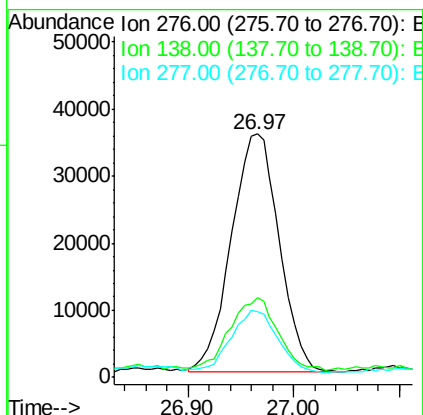
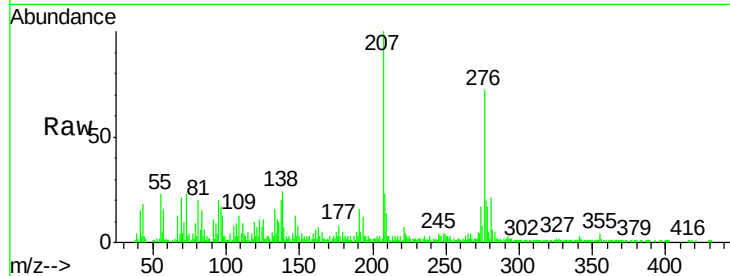




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.872 ng/ul  
 RT: 26.97 min Scan# 4000  
 Delta R.T. 0.00 min  
 Lab File: BN000412.D  
 Acq: 15 Mar 2018 13:05

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:276 Resp: 110927  
 Ion Ratio Lower Upper  
 276 100  
 138 32.7 14.4 21.6#  
 277 27.1 18.0 27.0#



#29  
 Benzo(g,h,i)perylene  
 Concen: 2.256 ng/ul  
 RT: 27.76 min Scan# 4135  
 Delta R.T. 0.00 min  
 Lab File: BN000412.D  
 Acq: 15 Mar 2018 13:05

Tgt Ion:276 Resp: 111608  
 Ion Ratio Lower Upper  
 276 100  
 138 32.4 15.3 22.9#  
 277 25.8 19.0 28.4

