

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042618\  
 Data File : BN000954.D  
 Acq On : 27 Apr 2018 04:03  
 Operator : JU/SJ  
 Sample : J2526-06  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Apr 27 09:25:55 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 27 09:25:35 2018  
 Response via : Initial Calibration

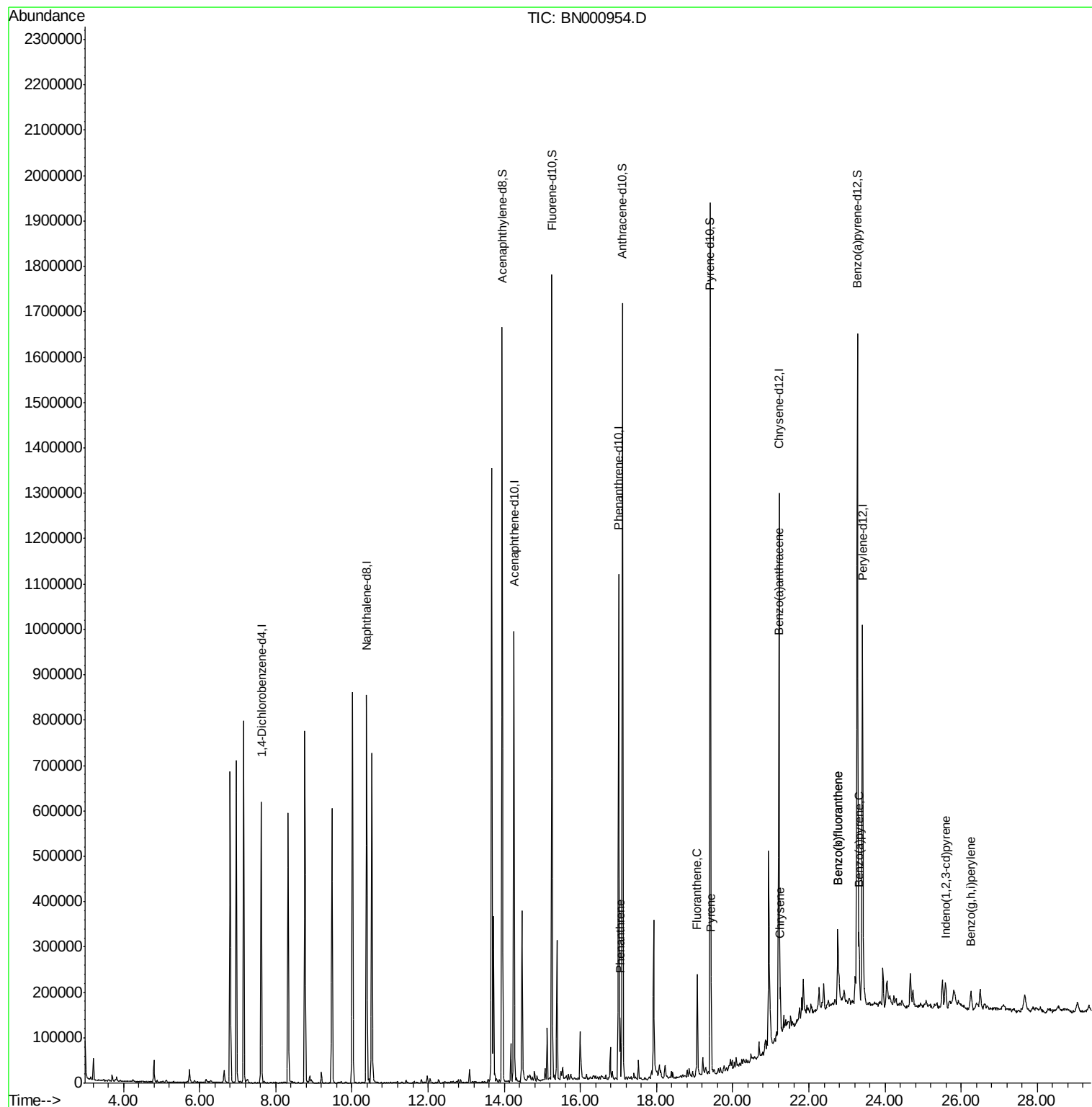
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 156196   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.39 | 136  | 655362   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.26 | 164  | 315203   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.00 | 188  | 571428   | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.22 | 240  | 502974   | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 23.41 | 264  | 527451   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 13.95 | 160  | 1007553  | 33.28  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.25 | 176  | 668455   | 33.08  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 17.10 | 188  | 877881   | 33.59  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 19.41 | 212  | 872730   | 33.86  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 23.27 | 264  | 924237   | 37.09  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 13) Phenanthrene            | 17.05 | 178  | 71852    | 2.305  | ng/ul  | 99       |
| 16) Fluoranthene            | 19.07 | 202  | 121056   | 3.828  | ng/ul# | 94       |
| 19) Pyrene                  | 19.44 | 202  | 104383   | 3.231  | ng/ul# | 91       |
| 20) Benzo(a)anthracene      | 21.20 | 228  | 60380    | 2.008  | ng/ul  | 95       |
| 21) Chrysene                | 21.25 | 228  | 58029    | 2.053  | ng/ul  | 97       |
| 23) Benzo(b)fluoranthene    | 22.76 | 252  | 110162   | 3.675  | ng/ul# | 94       |
| 24) Benzo(k)fluoranthene    | 22.76 | 252  | 112100   | 3.822  | ng/ul# | 94       |
| 26) Benzo(a)pyrene          | 23.32 | 252  | 58822    | 2.053  | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.59 | 276  | 43666    | 1.262  | ng/ul# | 85       |
| 29) Benzo(g,h,i)perylene    | 26.26 | 276  | 37253    | 1.287  | ng/ul# | 88       |

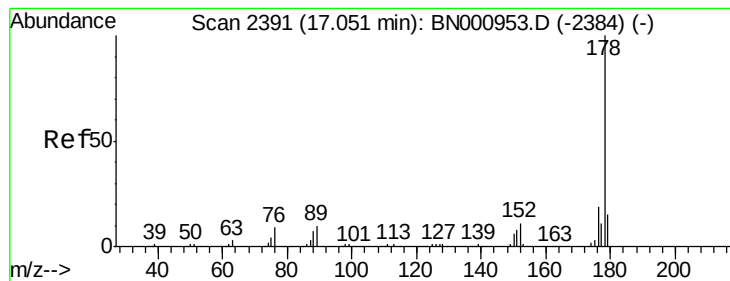
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 2.305 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BN000954.D

Acq: 27 Apr 2018 04:03

Instrument :

BNA\_N

ClientSampleId :

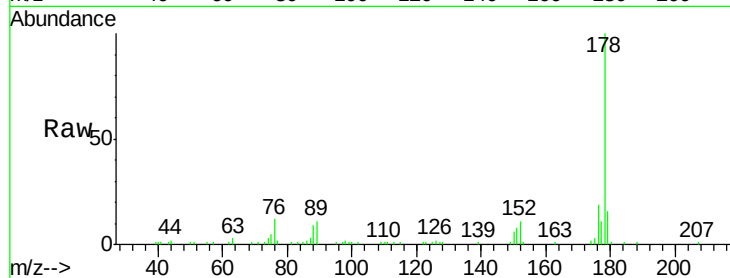
Tot Ion:178 Resp: 71852

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

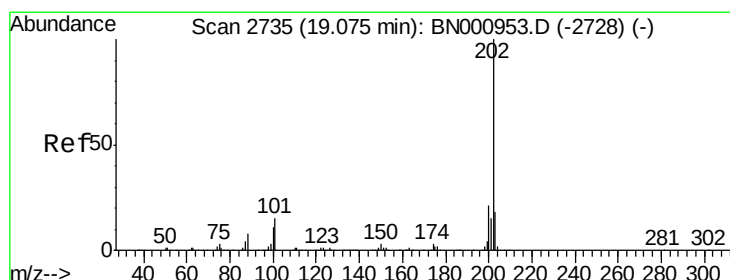
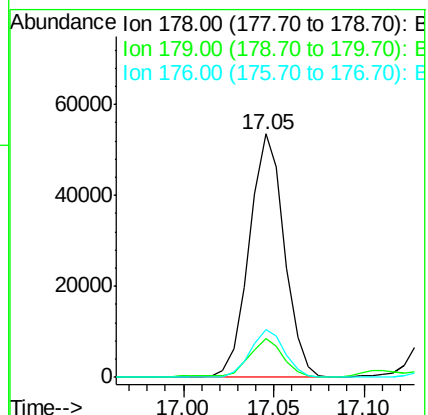
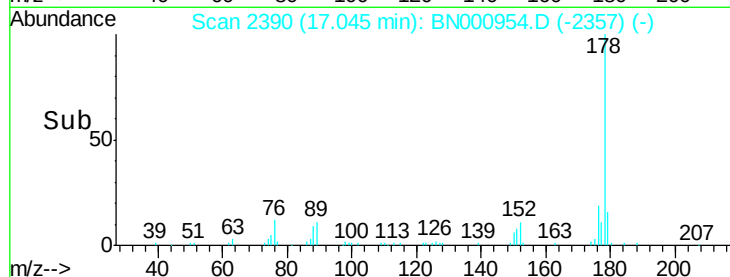
176 19.4 15.1 22.7



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



#16

Fluoranthene

Concen: 3.828 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. -0.01 min

Lab File: BN000954.D

Acq: 27 Apr 2018 04:03

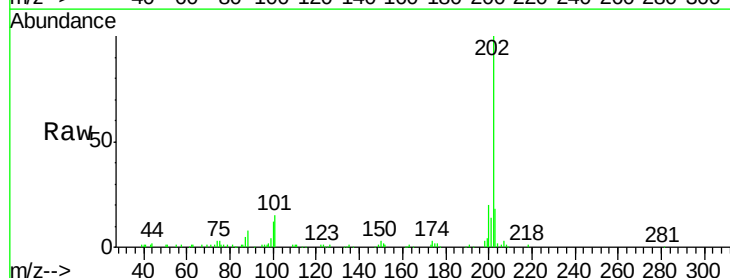
Tgt Ion:202 Resp: 121056

Ion Ratio Lower Upper

202 100

101 14.6 9.9 14.9

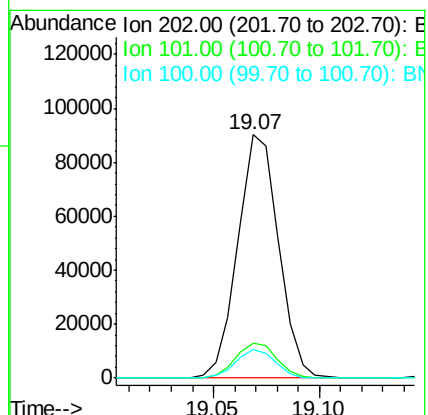
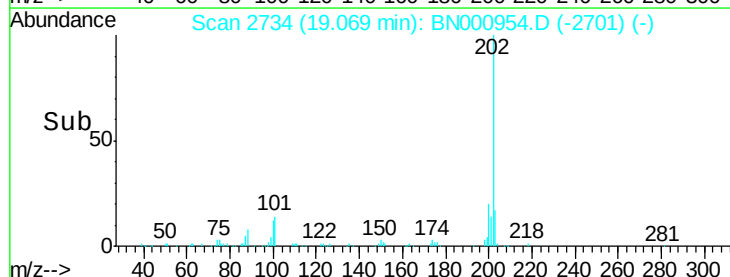
100 11.7 7.4 11.0#

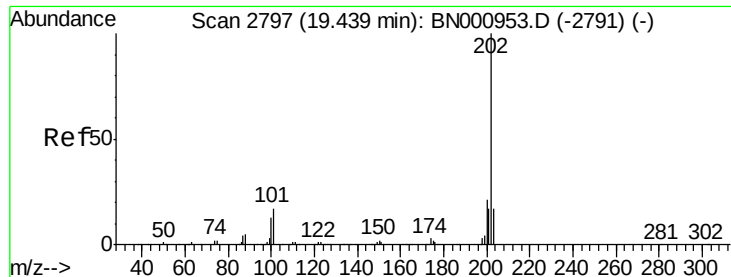


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 3.231 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BN000954.D

Acq: 27 Apr 2018 04:03

Instrument :

BNA\_N

ClientSampleId :

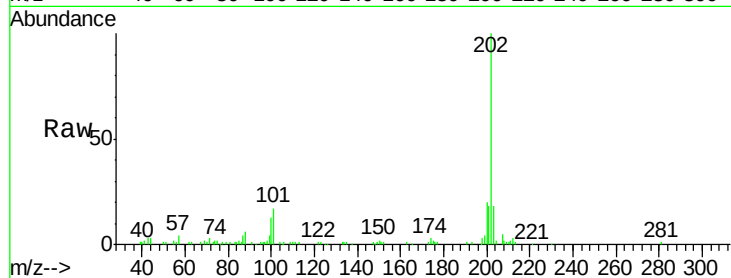
Tot Ion:202 Resp: 104383

Ion Ratio Lower Upper

202 100

101 17.1 11.0 16.4#

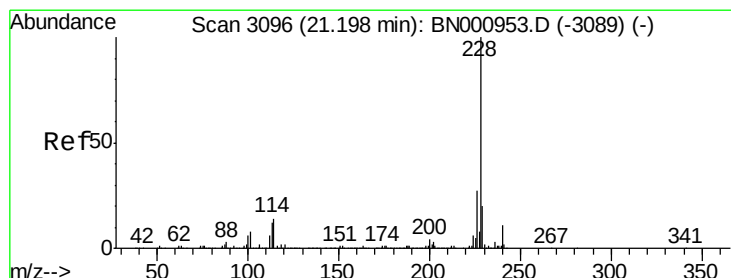
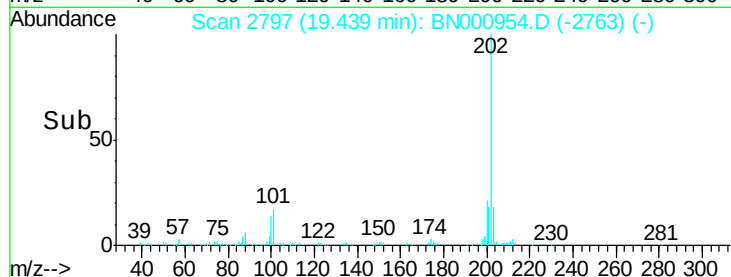
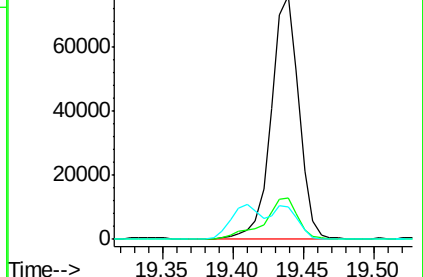
100 13.4 8.1 12.1#



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



#20

Benzo(a)anthracene

Concen: 2.008 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BN000954.D

Acq: 27 Apr 2018 04:03

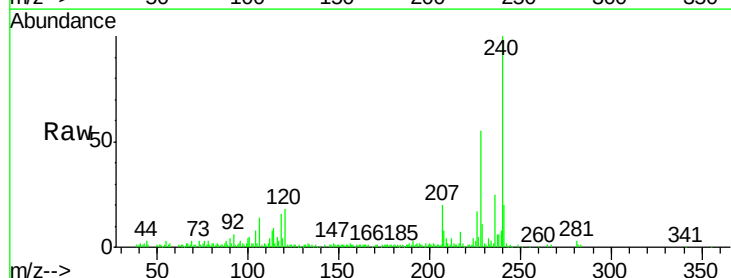
Tgt Ion:228 Resp: 60380

Ion Ratio Lower Upper

228 100

229 20.7 15.7 23.5

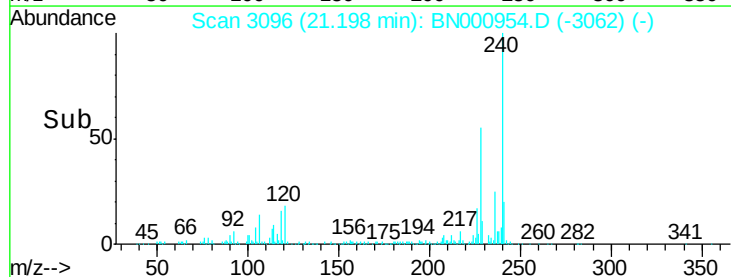
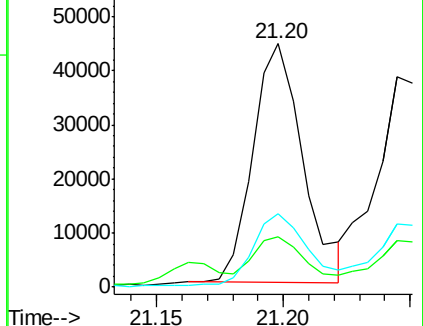
226 30.0 21.1 31.7

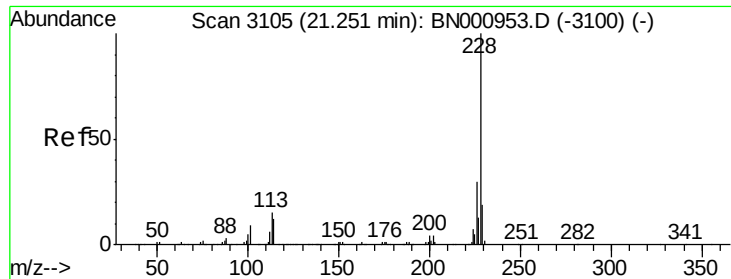


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

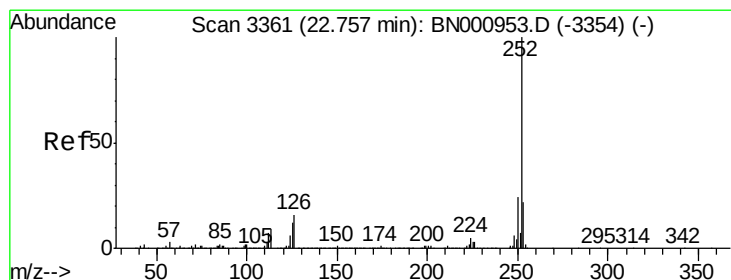
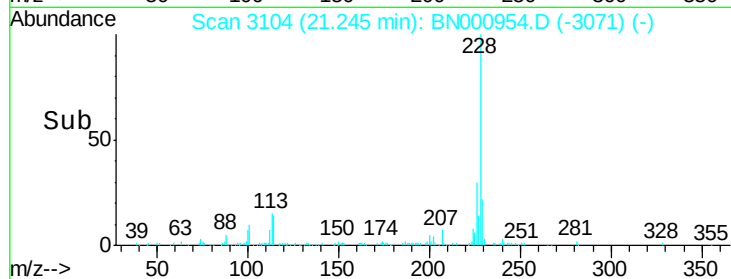
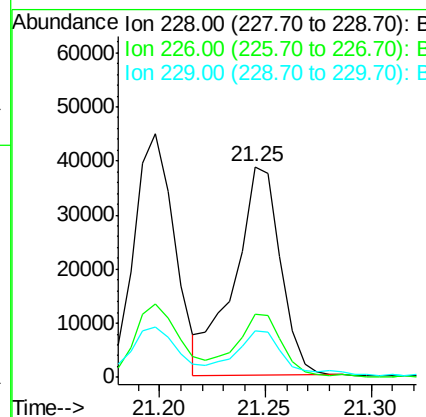
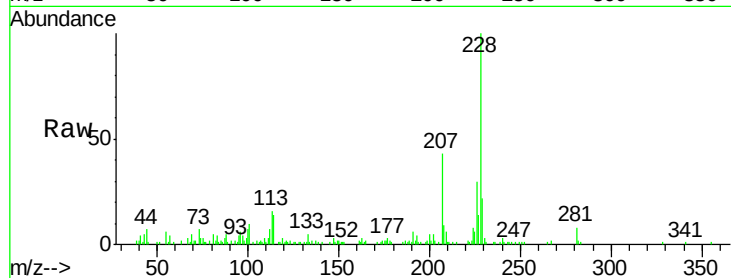




#21  
Chrysene  
Concen: 2.053 ng/ul  
RT: 21.25 min Scan# 3104  
Delta R.T. -0.01 min  
Lab File: BN000954.D  
Acq: 27 Apr 2018 04:03

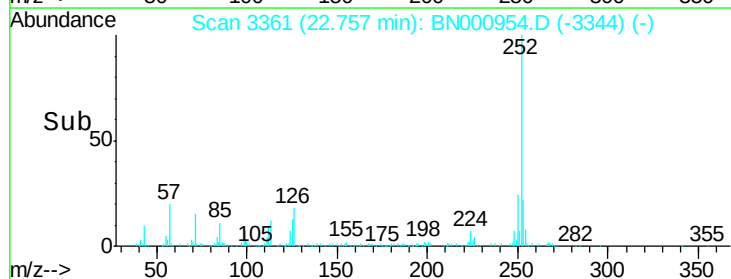
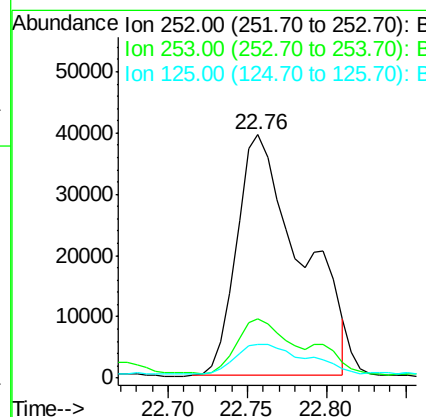
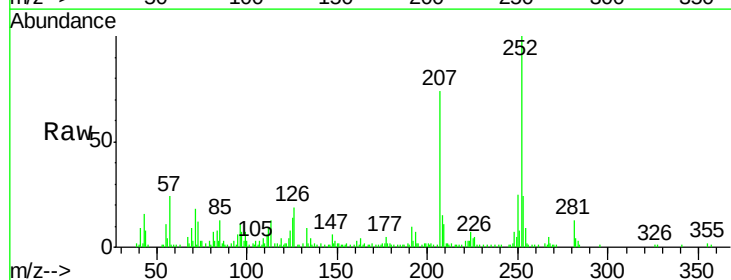
Instrument :  
BNA\_N  
ClientSampleId :

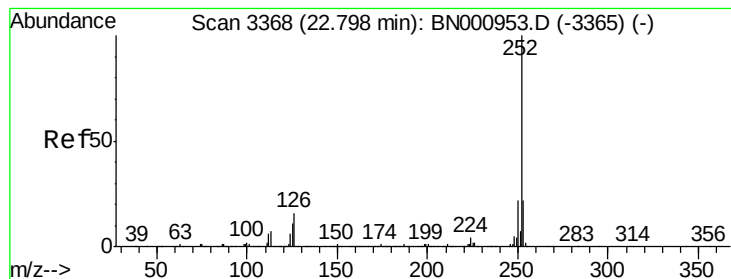
Tot Ion:228 Resp: 58029  
Ion Ratio Lower Upper  
228 100  
226 29.8 24.5 36.7  
229 22.1 15.8 23.8



#23  
Benzo(b)fluoranthene  
Concen: 3.675 ng/ul  
RT: 22.76 min Scan# 3361  
Delta R.T. 0.00 min  
Lab File: BN000954.D  
Acq: 27 Apr 2018 04:03

Tgt Ion:252 Resp: 110162  
Ion Ratio Lower Upper  
252 100  
253 24.3 18.0 27.0  
125 14.0 8.0 12.0#





#24

Benzo(k)fluoranthene

Concen: 3.822 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.04 min

Lab File: BN000954.D

Acq: 27 Apr 2018 04:03

Instrument :

BNA\_N

ClientSampled :

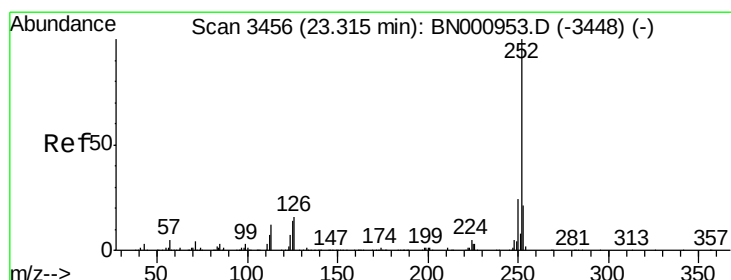
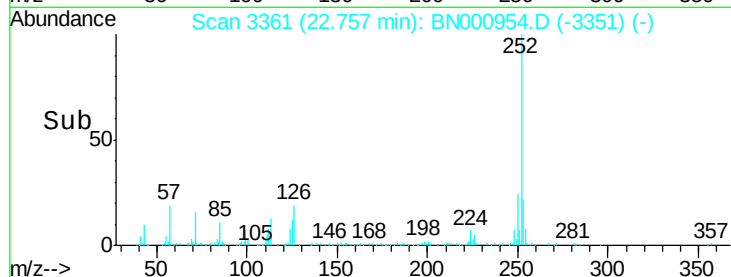
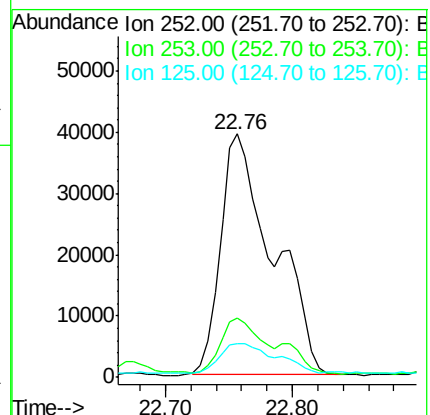
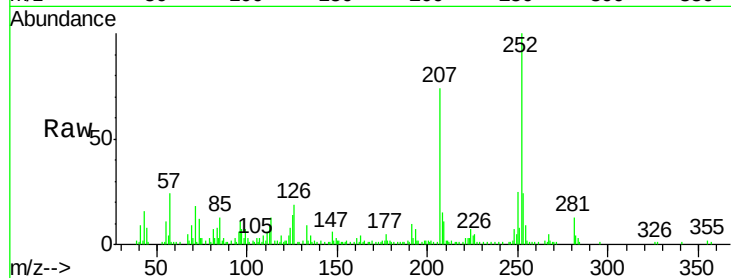
Tot Ion:252 Resp: 112100

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

125 14.0 8.1 12.1#



#26

Benzo(a)pyrene

Concen: 2.053 ng/ul

RT: 23.32 min Scan# 3456

Delta R.T. 0.00 min

Lab File: BN000954.D

Acq: 27 Apr 2018 04:03

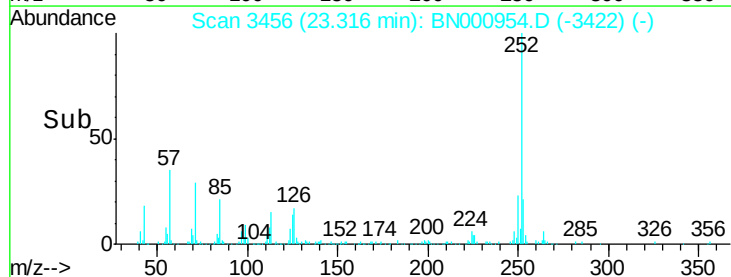
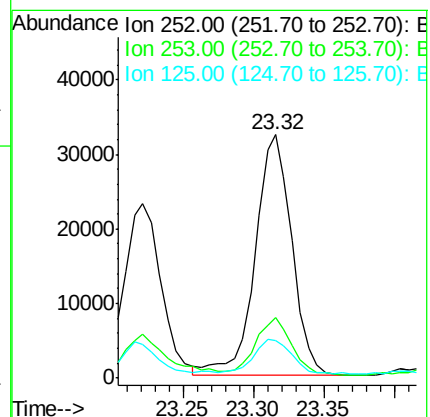
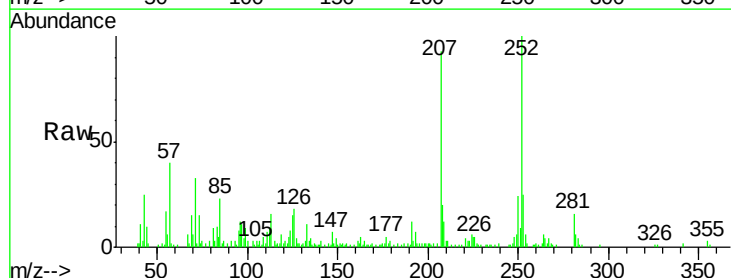
Tgt Ion:252 Resp: 58822

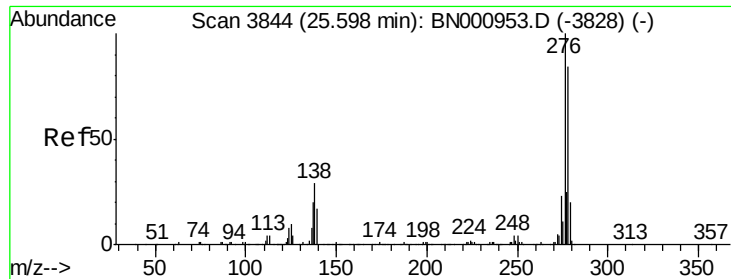
Ion Ratio Lower Upper

252 100

253 24.8 17.2 25.8

125 15.2 8.2 12.4#

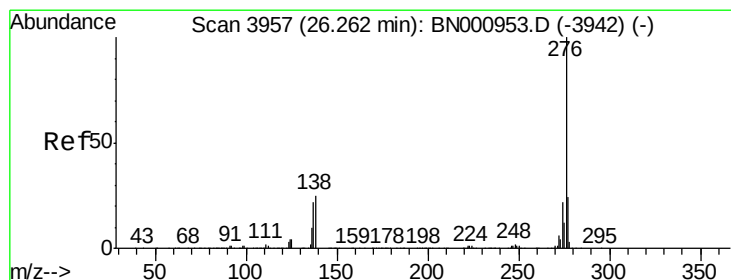
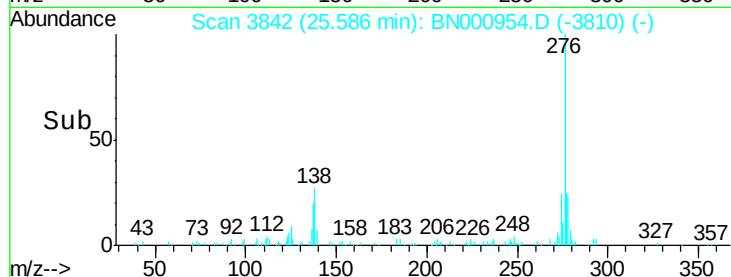
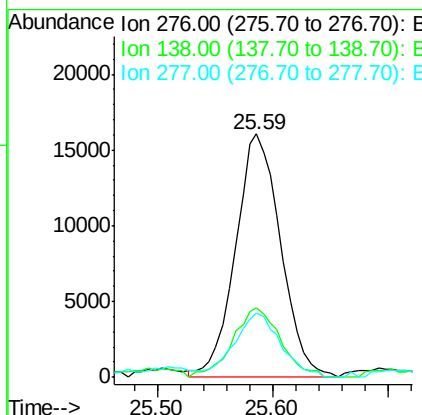
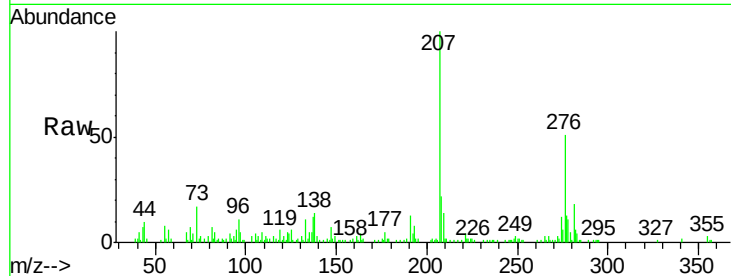




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.262 ng/ul  
 RT: 25.59 min Scan# 3842  
 Delta R.T. -0.01 min  
 Lab File: BN000954.D  
 Acq: 27 Apr 2018 04:03

Instrument :  
 BNA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 28.5  | 14.4  | 21.6# |
| 277     | 26.5  | 18.0  | 27.0  |



#29  
 Benzo(g,h,i)perylene  
 Concen: 1.287 ng/ul  
 RT: 26.26 min Scan# 3956  
 Delta R.T. -0.01 min  
 Lab File: BN000954.D  
 Acq: 27 Apr 2018 04:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 28.6  | 15.3  | 22.9# |
| 277     | 26.2  | 19.0  | 28.4  |

