

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050218\  
 Data File : BN001069.D  
 Acq On : 02 May 2018 14:19  
 Operator : JU/SJ  
 Sample : J2601-07  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: May 03 07:37:36 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 03 07:35:09 2018  
 Response via : Initial Calibration

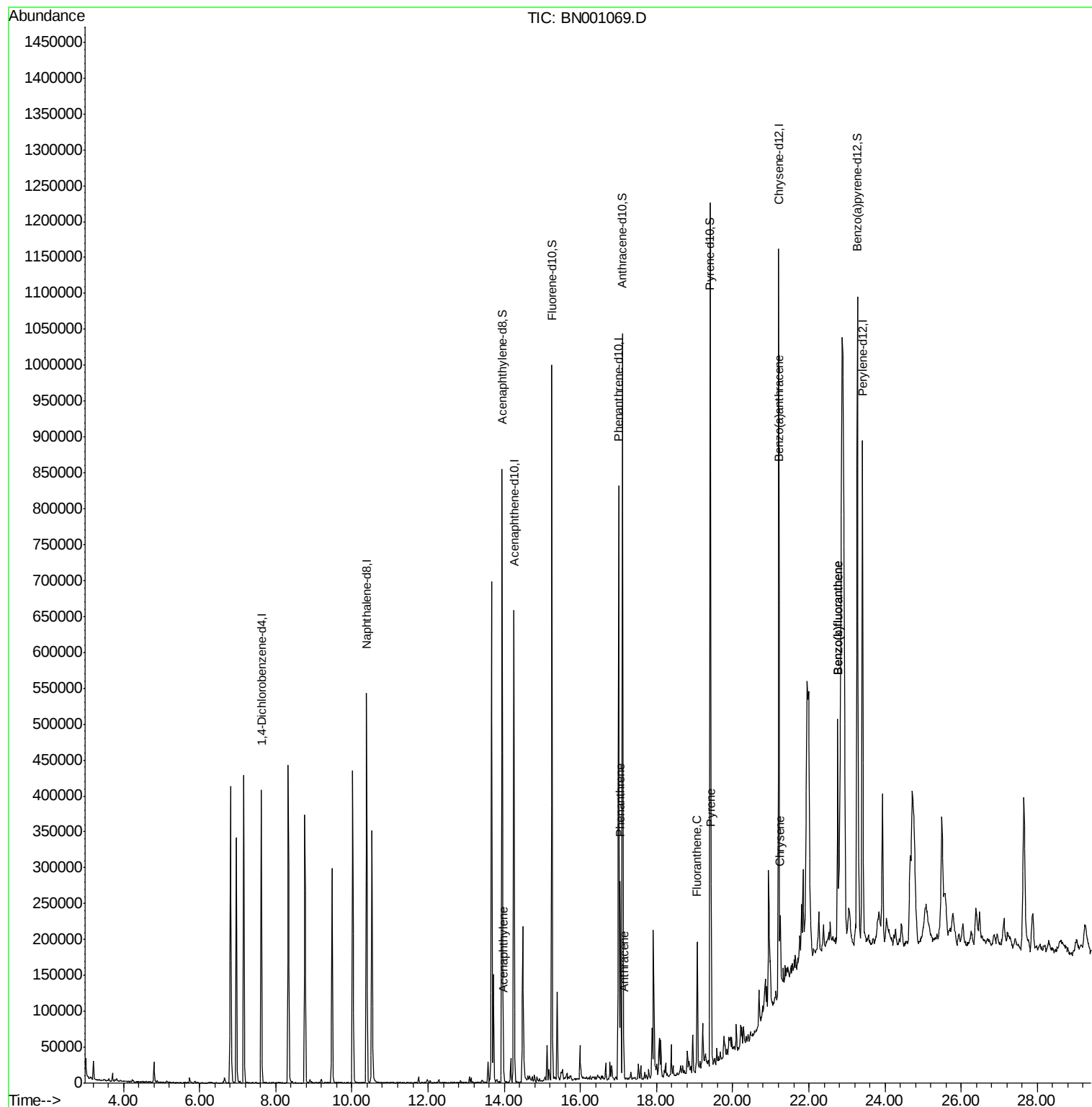
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 100697   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.39 | 136  | 421457   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.25 | 164  | 209438   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.00 | 188  | 431437   | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.21 | 240  | 422235   | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 23.41 | 264  | 440672   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 13.95 | 160  | 523831   | 26.04  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.25 | 176  | 361578   | 26.93  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 17.10 | 188  | 517265   | 26.22  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 19.41 | 212  | 564057   | 26.07  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 23.27 | 264  | 582370   | 27.98  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 8) Acenaphthylene           | 13.97 | 152  | 24926    | 1.252  | ng/ul# | 97       |
| 13) Phenanthrene            | 17.05 | 178  | 148853   | 6.326  | ng/ul  | 99       |
| 15) Anthracene              | 17.14 | 178  | 34062    | 1.443  | ng/ul  | 97       |
| 16) Fluoranthene            | 19.07 | 202  | 93144    | 3.902  | ng/ul  | 96       |
| 19) Pyrene                  | 19.44 | 202  | 133142   | 4.909  | ng/ul# | 91       |
| 20) Benzo(a)anthracene      | 21.20 | 228  | 31982    | 1.267  | ng/ul  | 95       |
| 21) Chrysene                | 21.24 | 228  | 47160    | 1.988  | ng/ul  | 99       |
| 23) Benzo(b)fluoranthene    | 22.76 | 252  | 53462    | 2.135  | ng/ul# | 84       |
| 24) Benzo(k)fluoranthene    | 22.76 | 252  | 54780    | 2.235  | ng/ul# | 84       |

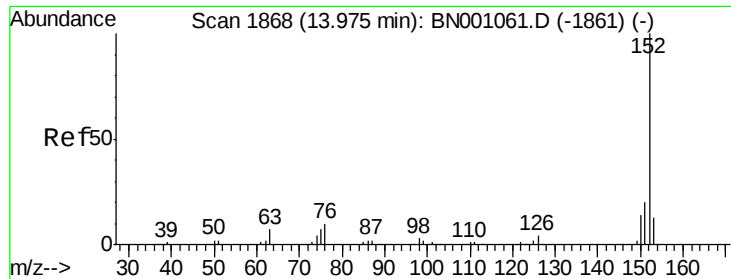
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M  
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QLast Update : Thu May 03 07:35:09 2018  
Response via : Initial Calibration





#8

Acenaphthylene

Concen: 1.252 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. -0.00 min

Lab File: BN001069.D

Acq: 02 May 2018 14:19

Instrument :

BNA\_N

ClientSampleId :

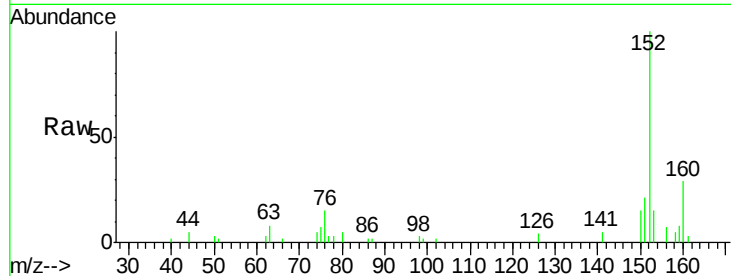
Tot Ion:152 Resp: 24926

Ion Ratio Lower Upper

152 100

151 21.1 16.7 25.1

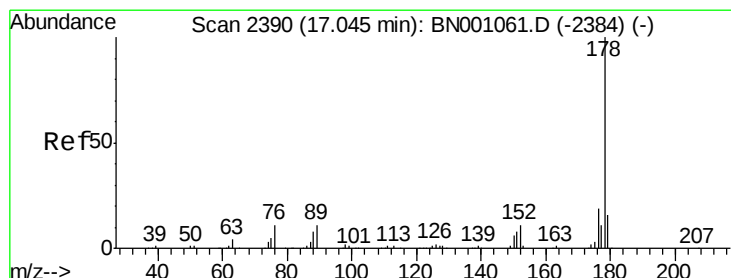
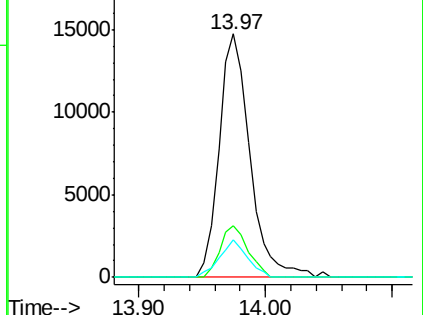
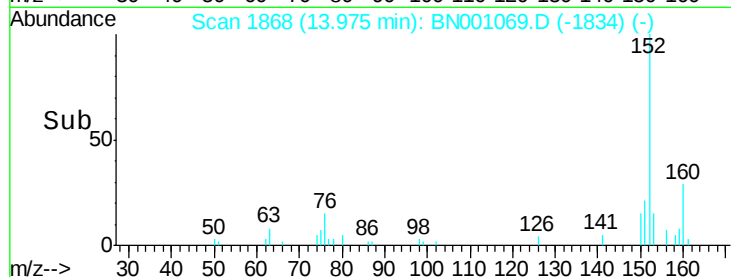
153 15.5 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#13

Phenanthrene

Concen: 6.326 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. -0.00 min

Lab File: BN001069.D

Acq: 02 May 2018 14:19

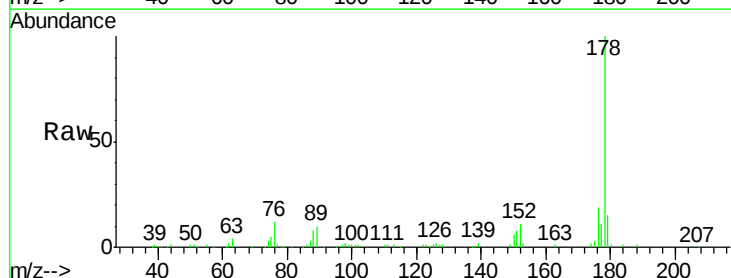
Tgt Ion:178 Resp: 148853

Ion Ratio Lower Upper

178 100

179 14.9 12.3 18.5

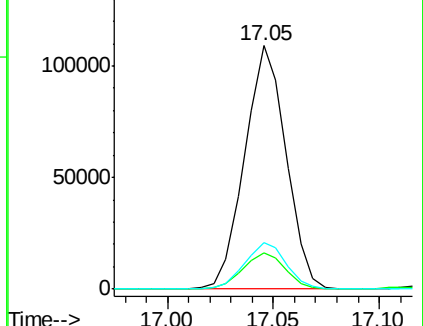
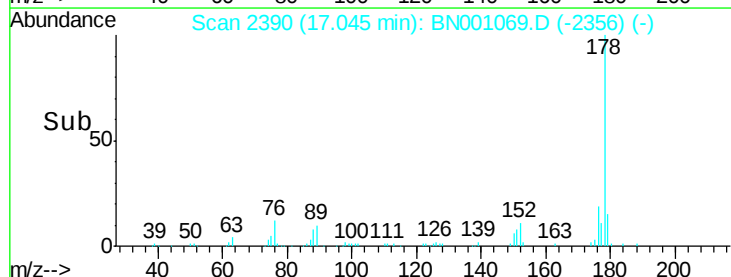
176 19.0 15.1 22.7

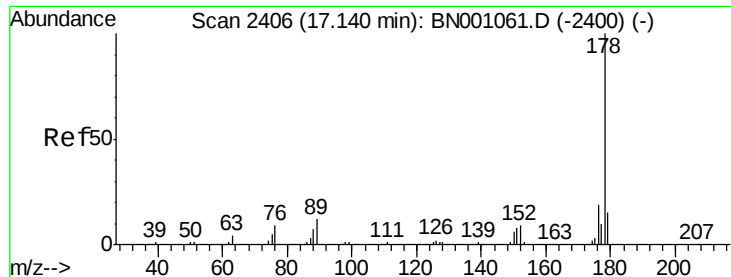


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

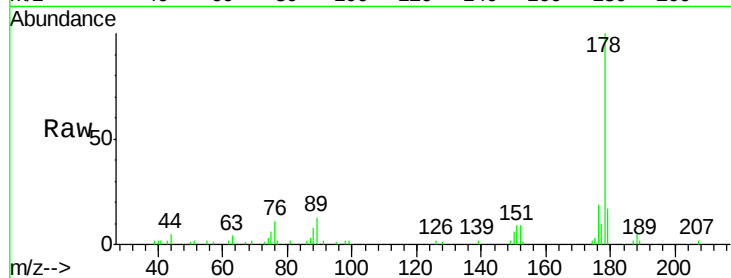




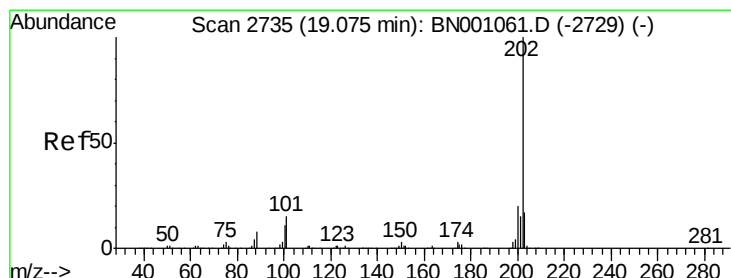
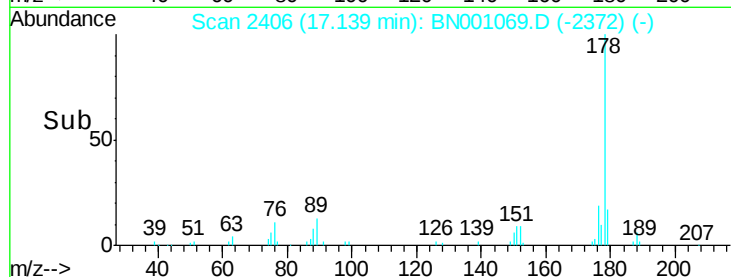
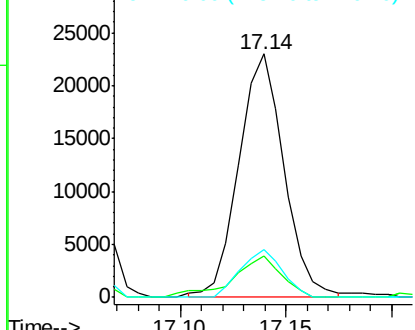
#15  
 Anthracene  
 Concen: 1.443 ng/ul  
 RT: 17.14 min Scan# 2406  
 Delta R.T. -0.00 min  
 Lab File: BN001069.D  
 Acq: 02 May 2018 14:19

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:178 Resp: 34062  
 Ion Ratio Lower Upper  
 178 100  
 179 16.9 11.8 17.8  
 176 19.4 15.2 22.8

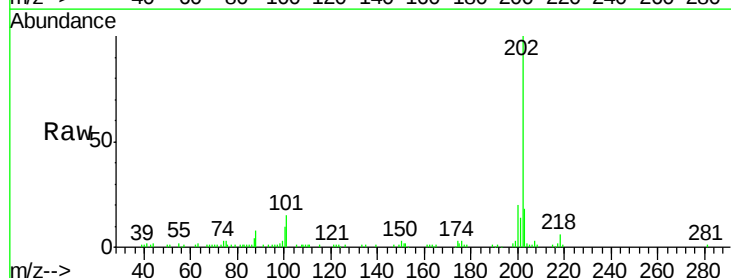


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 176.00 (175.70 to 176.70): E

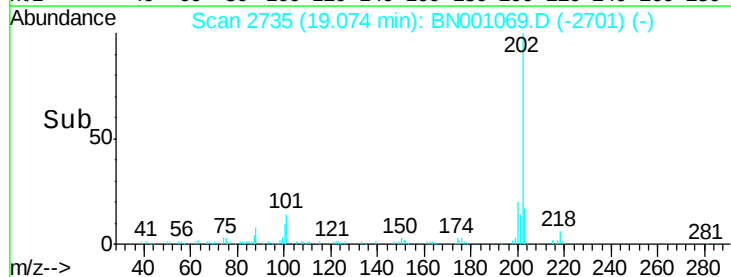
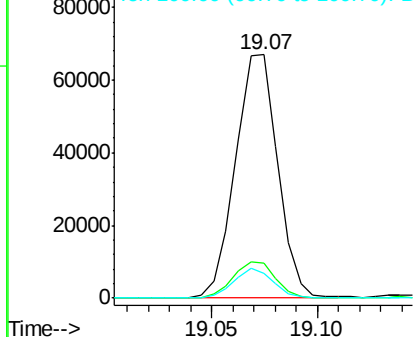


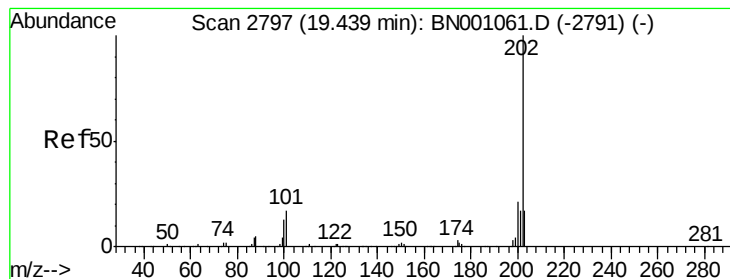
#16  
 Fluoranthene  
 Concen: 3.902 ng/ul  
 RT: 19.07 min Scan# 2735  
 Delta R.T. -0.00 min  
 Lab File: BN001069.D  
 Acq: 02 May 2018 14:19

Tgt Ion:202 Resp: 93144  
 Ion Ratio Lower Upper  
 202 100  
 101 14.6 9.9 14.9  
 100 10.1 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: 4.909 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BN001069.D

Acq: 02 May 2018 14:19

Instrument :

BNA\_N

ClientSampled :

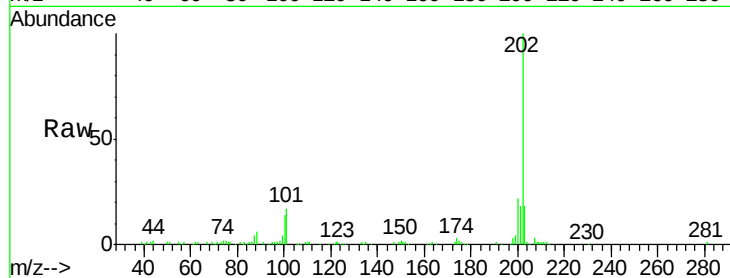
Tot Ion:202 Resp: 133142

Ion Ratio Lower Upper

202 100

101 16.8 11.0 16.4#

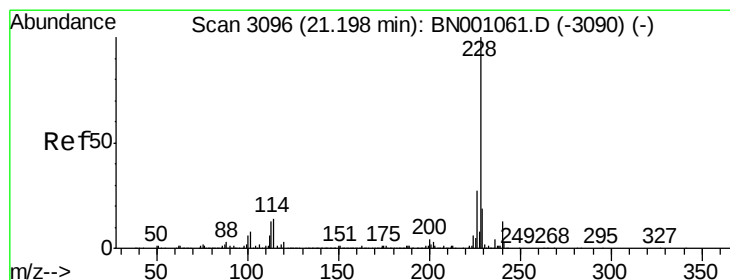
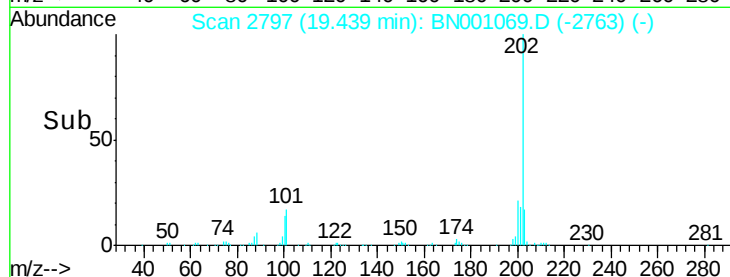
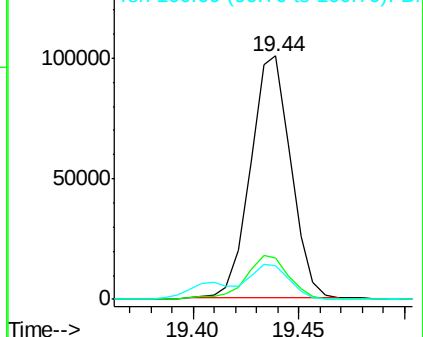
100 13.8 8.1 12.1#



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): B



#20

Benzo(a)anthracene

Concen: 1.267 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BN001069.D

Acq: 02 May 2018 14:19

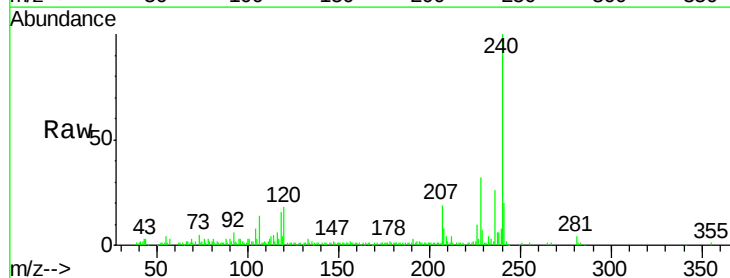
Tgt Ion:228 Resp: 31982

Ion Ratio Lower Upper

228 100

229 20.8 15.7 23.5

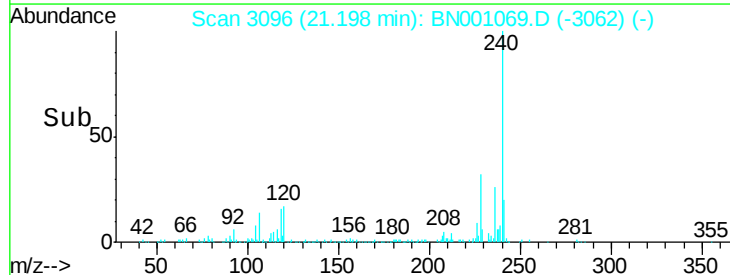
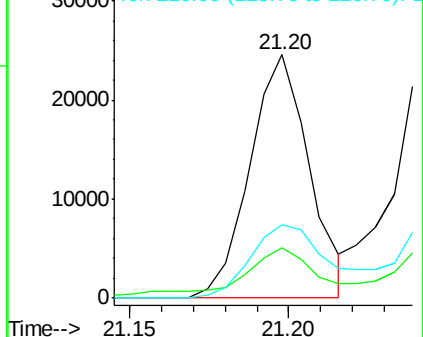
226 30.2 21.1 31.7

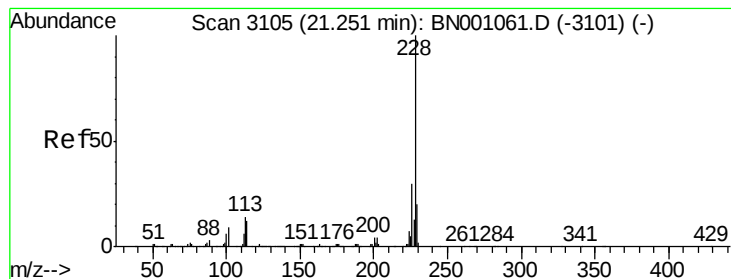


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 1.988 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN001069.D

Acq: 02 May 2018 14:19

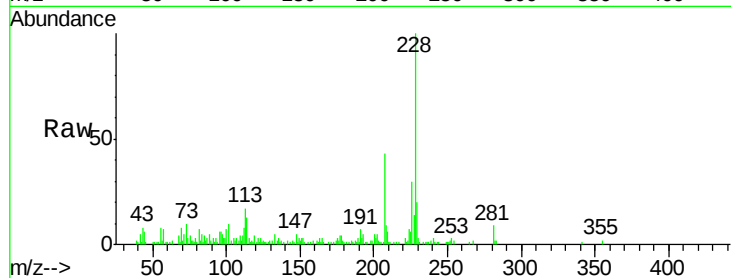
Instrument :

BNA\_N

ClientSampled :

Tot Ion:228 Resp: 47160

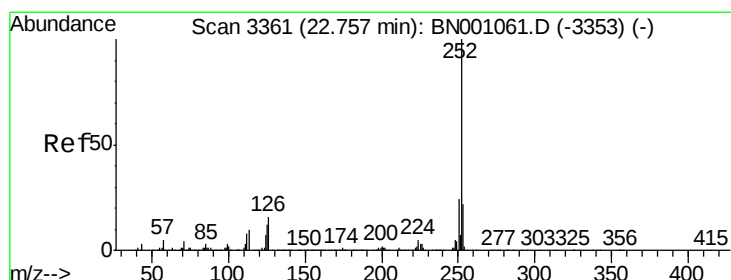
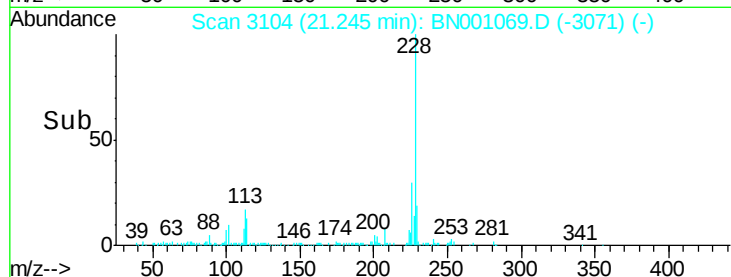
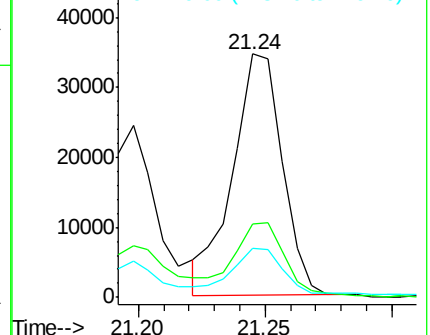
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.2  | 24.5  | 36.7  |
| 229 | 20.4  | 15.8  | 23.8  |



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: 2.135 ng/ul

RT: 22.76 min Scan# 3361

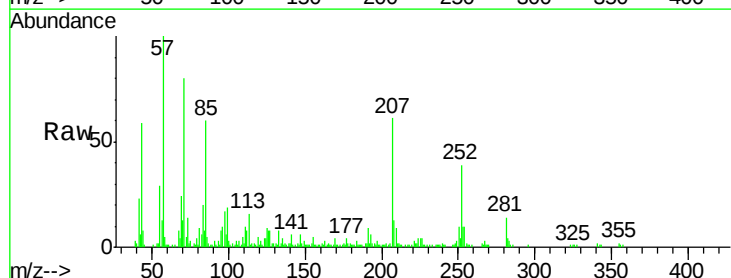
Delta R.T. -0.00 min

Lab File: BN001069.D

Acq: 02 May 2018 14:19

Tgt Ion:252 Resp: 53462

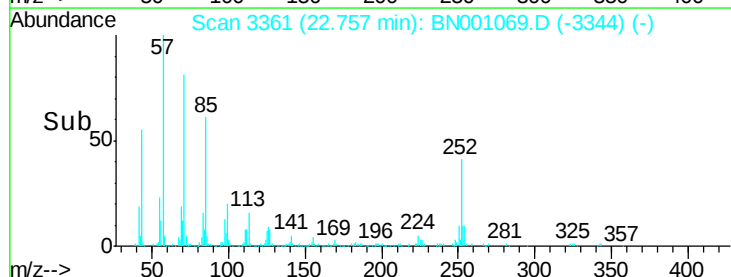
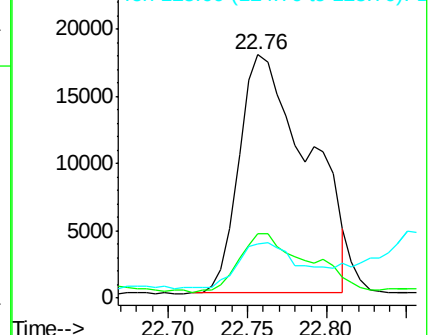
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 26.5  | 18.0  | 27.0  |
| 125 | 22.4  | 8.0   | 12.0# |

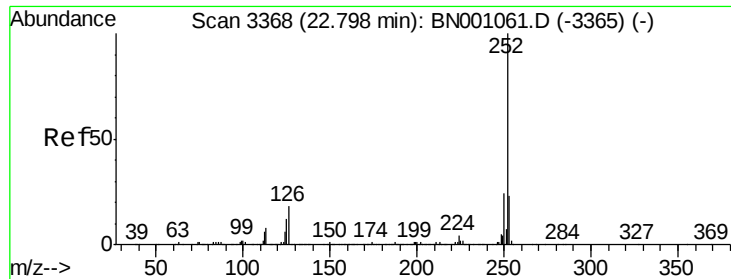


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

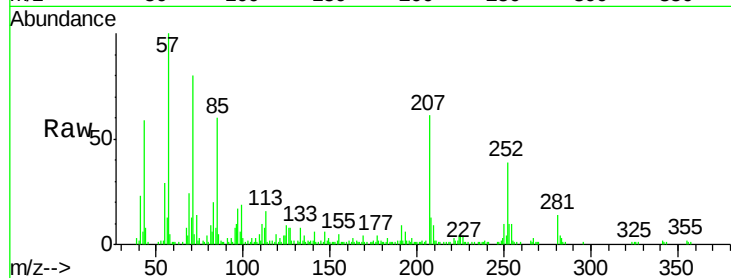




#24  
 Benzo(k)fluoranthene  
 Concen: 2.235 ng/ul  
 RT: 22.76 min Scan# 3361  
 Delta R.T. -0.04 min  
 Lab File: BN001069.D  
 Acq: 02 May 2018 14:19

Instrument :  
 BNA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.5  | 18.0  | 27.0  |
| 125     | 22.4  | 8.1   | 12.1  |



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

