

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042618\  
 Data File : BN000957.D  
 Acq On : 27 Apr 2018 05:47  
 Operator : JU/SJ  
 Sample : J2526-13  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Apr 27 09:26:39 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

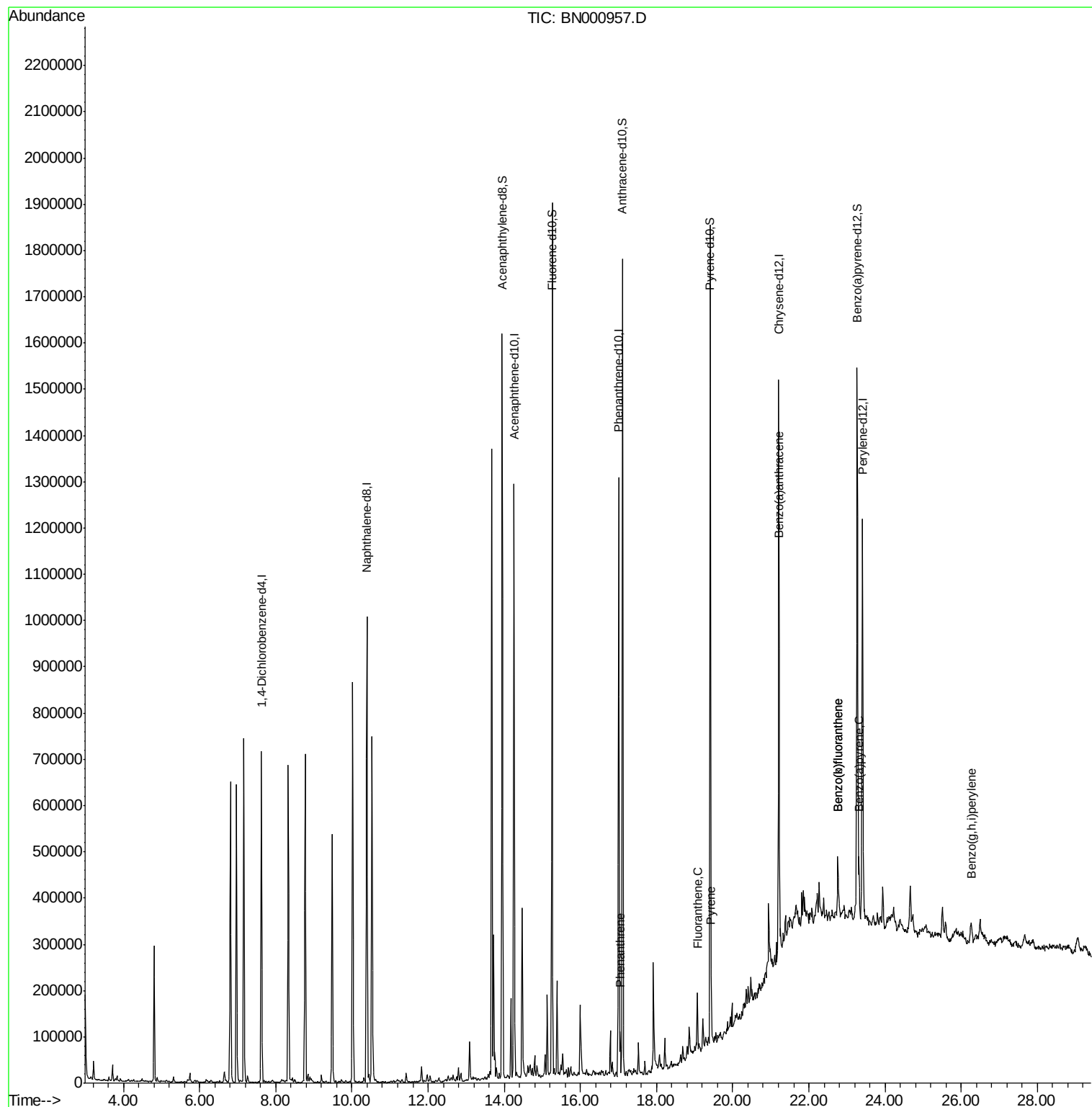
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 183328   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.39 | 136  | 793915   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.26 | 164  | 395091   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.01 | 188  | 713723   | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.21 | 240  | 524555   | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 23.41 | 264  | 558074   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 13.95 | 160  | 1023128  | 26.96  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.26 | 176  | 684420   | 27.02  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 17.10 | 188  | 914463   | 28.02  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 19.41 | 212  | 816480   | 30.38  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 23.27 | 264  | 798494   | 30.29  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 13) Phenanthrene            | 17.05 | 178  | 51311    | 1.318  | ng/ul  | 99       |
| 16) Fluoranthene            | 19.07 | 202  | 65058    | 1.647  | ng/ul  | 96       |
| 19) Pyrene                  | 19.44 | 202  | 53403    | 1.585  | ng/ul# | 93       |
| 20) Benzo(a)anthracene      | 21.20 | 228  | 32830    | 1.047  | ng/ul# | 90       |
| 23) Benzo(b)fluoranthene    | 22.76 | 252  | 57094    | 1.800  | ng/ul# | 87       |
| 24) Benzo(k)fluoranthene    | 22.76 | 252  | 57158    | 1.842  | ng/ul# | 87       |
| 26) Benzo(a)pyrene          | 23.31 | 252  | 32073    | 1.058  | ng/ul# | 80       |
| 29) Benzo(g,h,i)perylene    | 26.26 | 276  | 39080    | 1.276  | ng/ul# | 91       |

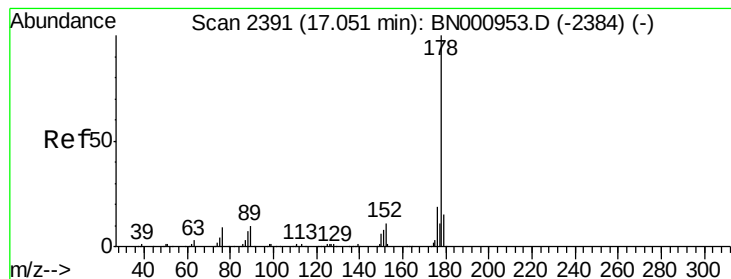
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 1.318 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BN000957.D

Acq: 27 Apr 2018 05:47

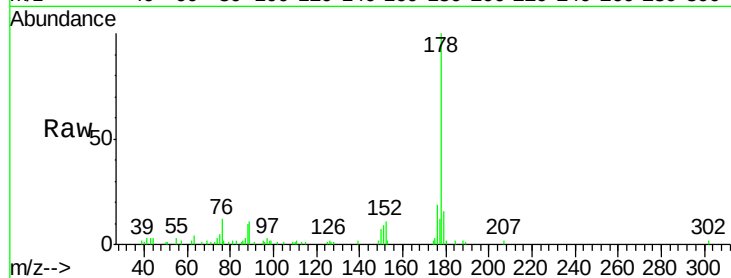
Instrument :

BNA\_N

ClientSampled :

Tot Ion:178 Resp: 51311

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.4  | 12.3  | 18.5  |
| 176 | 18.6  | 15.1  | 22.7  |

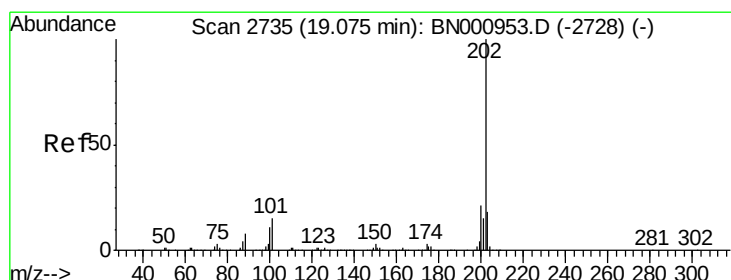
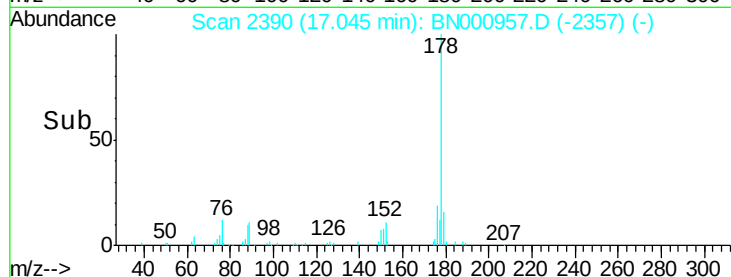
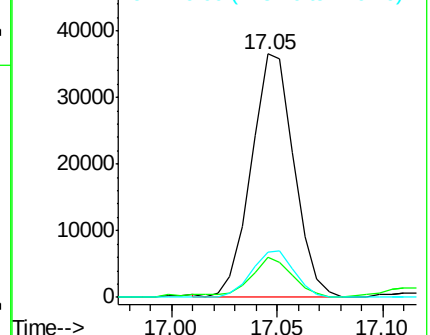


Abundance

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: 1.647 ng/ul

RT: 19.07 min Scan# 2735

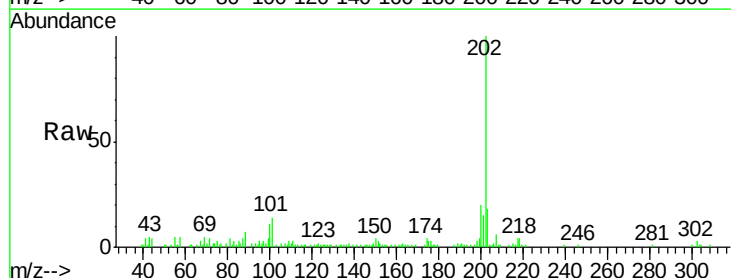
Delta R.T. 0.00 min

Lab File: BN000957.D

Acq: 27 Apr 2018 05:47

Tgt Ion:202 Resp: 65058

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 14.0  | 9.9   | 14.9  |
| 100 | 10.9  | 7.4   | 11.0  |

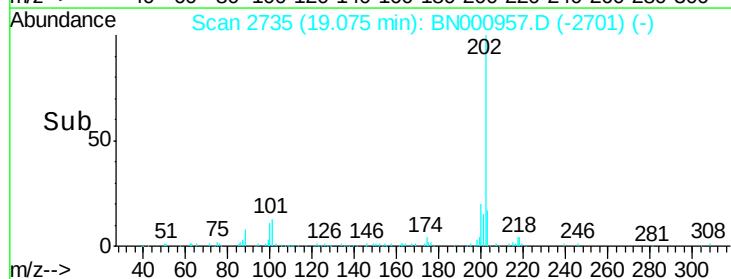
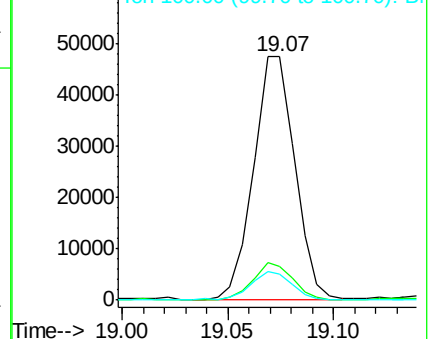


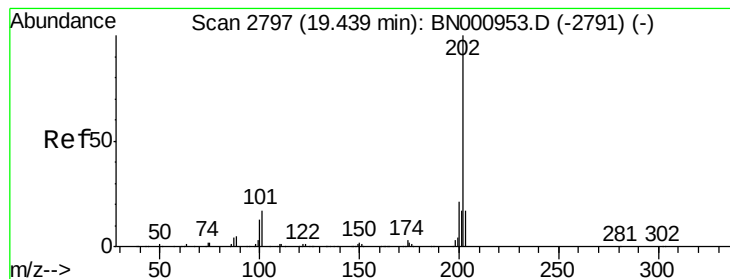
Abundance

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: 1.585 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BN000957.D

Acq: 27 Apr 2018 05:47

Instrument :

BNA\_N

ClientSampleId :

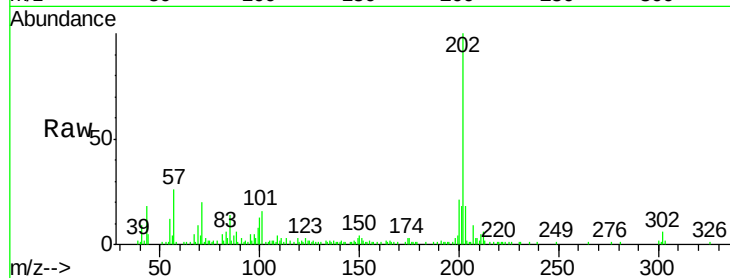
Tot Ion:202 Resp: 53403

Ion Ratio Lower Upper

202 100

101 16.4 11.0 16.4

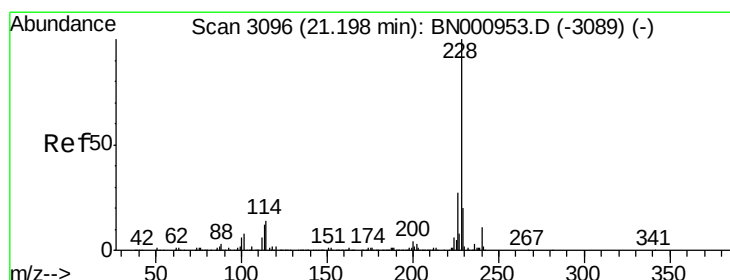
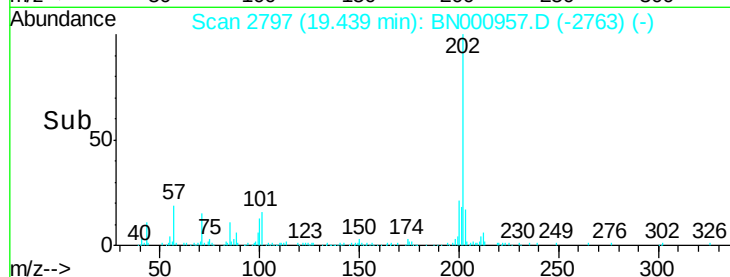
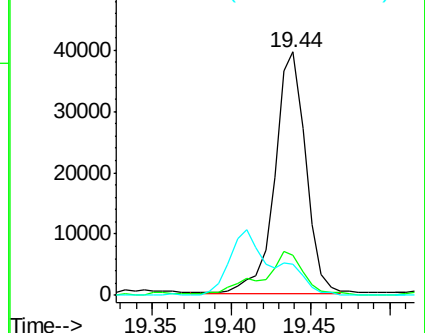
100 13.0 8.1 12.1#



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: 1.047 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BN000957.D

Acq: 27 Apr 2018 05:47

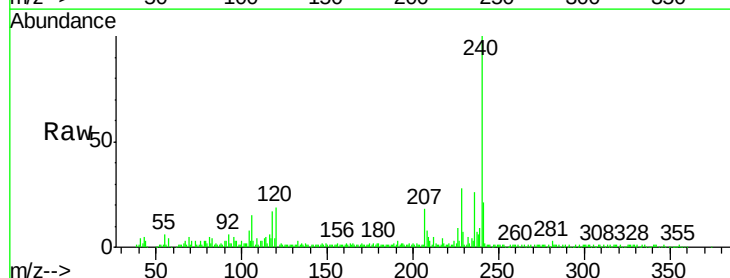
Tgt Ion:228 Resp: 32830

Ion Ratio Lower Upper

228 100

229 24.1 15.7 23.5#

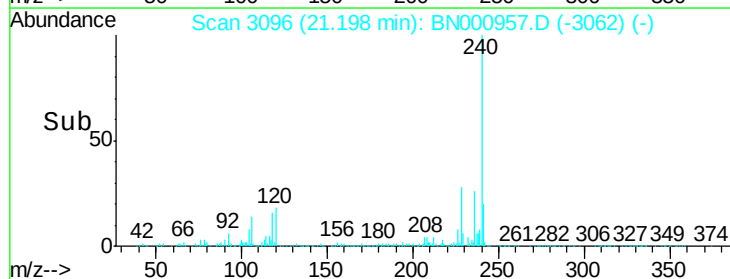
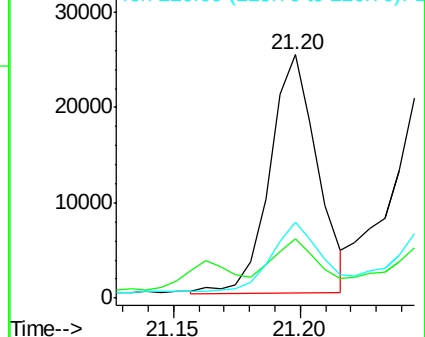
226 31.2 21.1 31.7

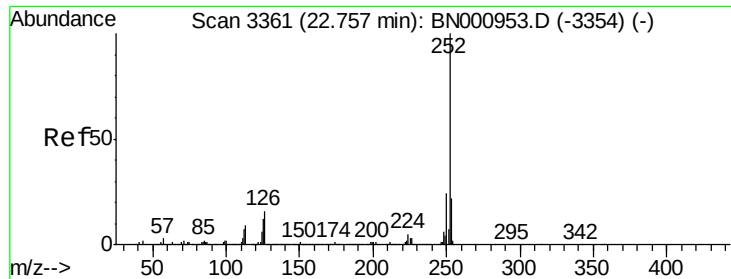


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#23

Benzo(b)fluoranthene

Concen: 1.800 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. 0.00 min

Lab File: BN000957.D

Acq: 27 Apr 2018 05:47

Instrument :

BNA\_N

ClientSampleId :

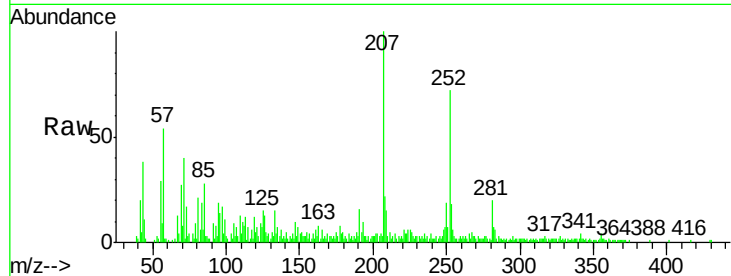
Tot Ion:252 Resp: 57094

Ion Ratio Lower Upper

252 100

253 25.6 18.0 27.0

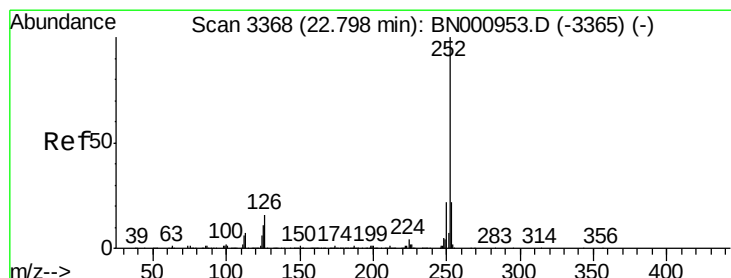
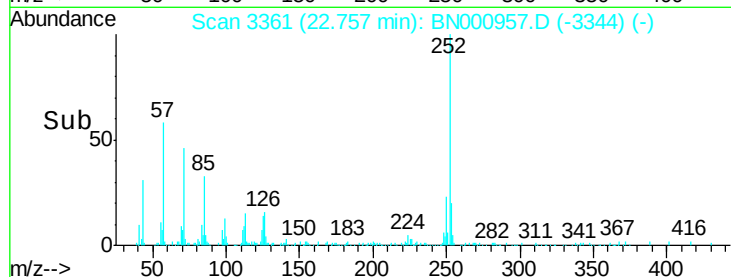
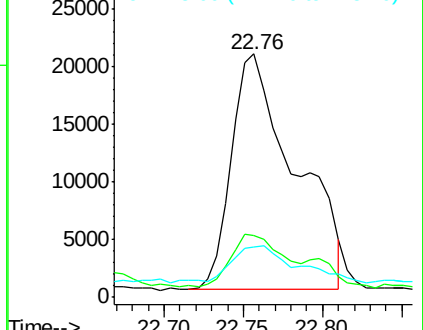
125 20.6 8.0 12.0#



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: 1.842 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.04 min

Lab File: BN000957.D

Acq: 27 Apr 2018 05:47

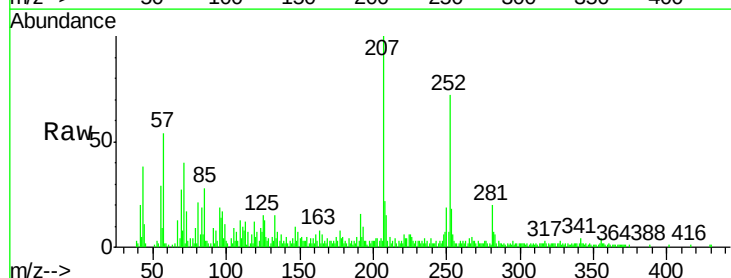
Tgt Ion:252 Resp: 57158

Ion Ratio Lower Upper

252 100

253 25.6 18.0 27.0

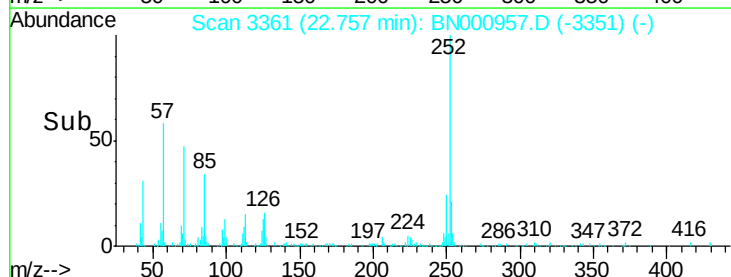
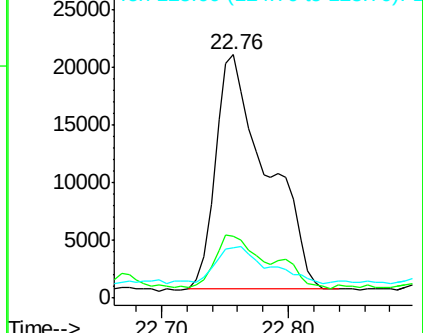
125 20.6 8.1 12.1#

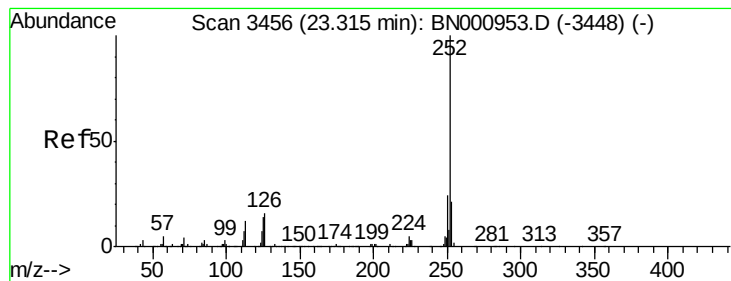


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 1.058 ng/ul

RT: 23.31 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BN000957.D

Acq: 27 Apr 2018 05:47

Instrument :

BNA\_N

ClientSampled :

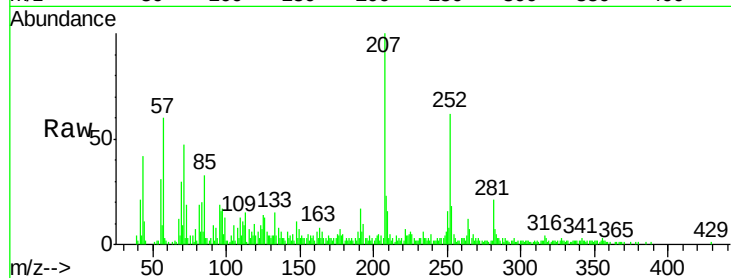
Tot Ion:252 Resp: 32073

Ion Ratio Lower Upper

252 100

253 28.4 17.2 25.8#

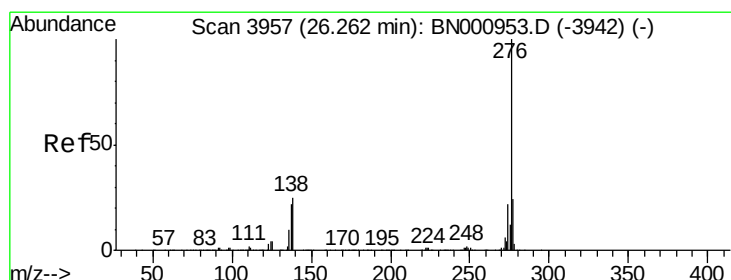
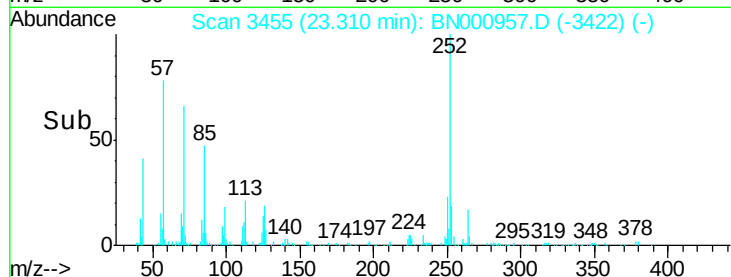
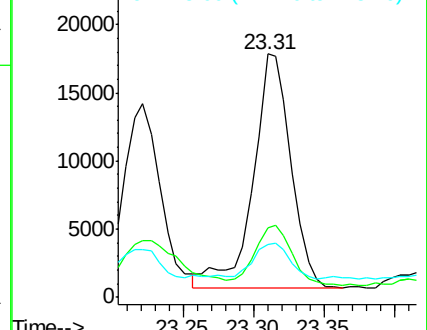
125 21.8 8.2 12.4#



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



#29

Benzo(g,h,i)perylene

Concen: 1.276 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. -0.01 min

Lab File: BN000957.D

Acq: 27 Apr 2018 05:47

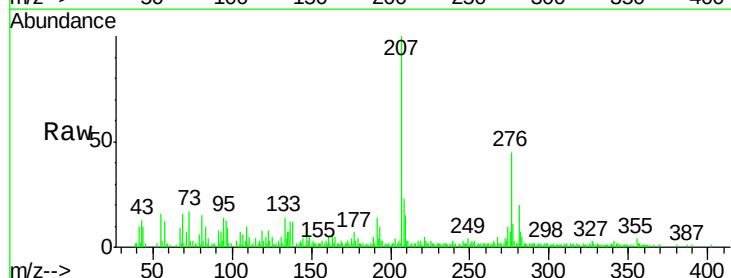
Tgt Ion:276 Resp: 39080

Ion Ratio Lower Upper

276 100

138 26.9 15.3 22.9#

277 25.2 19.0 28.4



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

