

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN052419\  
 Data File : BN005900.D  
 Acq On : 24 May 2019 21:10  
 Operator : JU/SJ  
 Sample : K2928-18  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: May 24 23:47:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:04:33 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 74378    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.32 | 136  | 316857   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.20 | 164  | 219254   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.96 | 188  | 578840   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.19 | 240  | 641430   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.39 | 264  | 716441   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.17  | 96  | 5183   | 3.90  | ng/uL | -0.01 |
| 5) Phenol-d5                   | 6.78  | 99  | 74515  | 12.96 | ng/ul | 0.02  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.90  | 67  | 54052  | 18.02 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.10  | 132 | 72558  | 15.70 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 52357  | 10.65 | ng/ul | 0.02  |
| 19) Nitrobenzene-d5            | 8.72  | 128 | 38355  | 16.67 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.43  | 143 | 40615  | 15.29 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 64368  | 12.70 | ng/ul | 0.02  |
| 29) 4-Chloroaniline-d4         | 10.48 | 131 | 69999  | 12.43 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.62 | 166 | 349447 | 20.71 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.89 | 160 | 360680 | 17.59 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.53 | 143 | 5207   | 2.19  | ng/ul | 0.08  |
| 57) Fluorene-d10               | 15.20 | 176 | 288559 | 19.92 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 11713  | 3.37  | ng/ul | 0.02  |
| 70) Anthracene-d10             | 17.06 | 188 | 463212 | 18.52 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.37 | 212 | 595455 | 18.84 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.25 | 264 | 607823 | 18.91 | ng/ul | 0.00  |

## Target Compounds

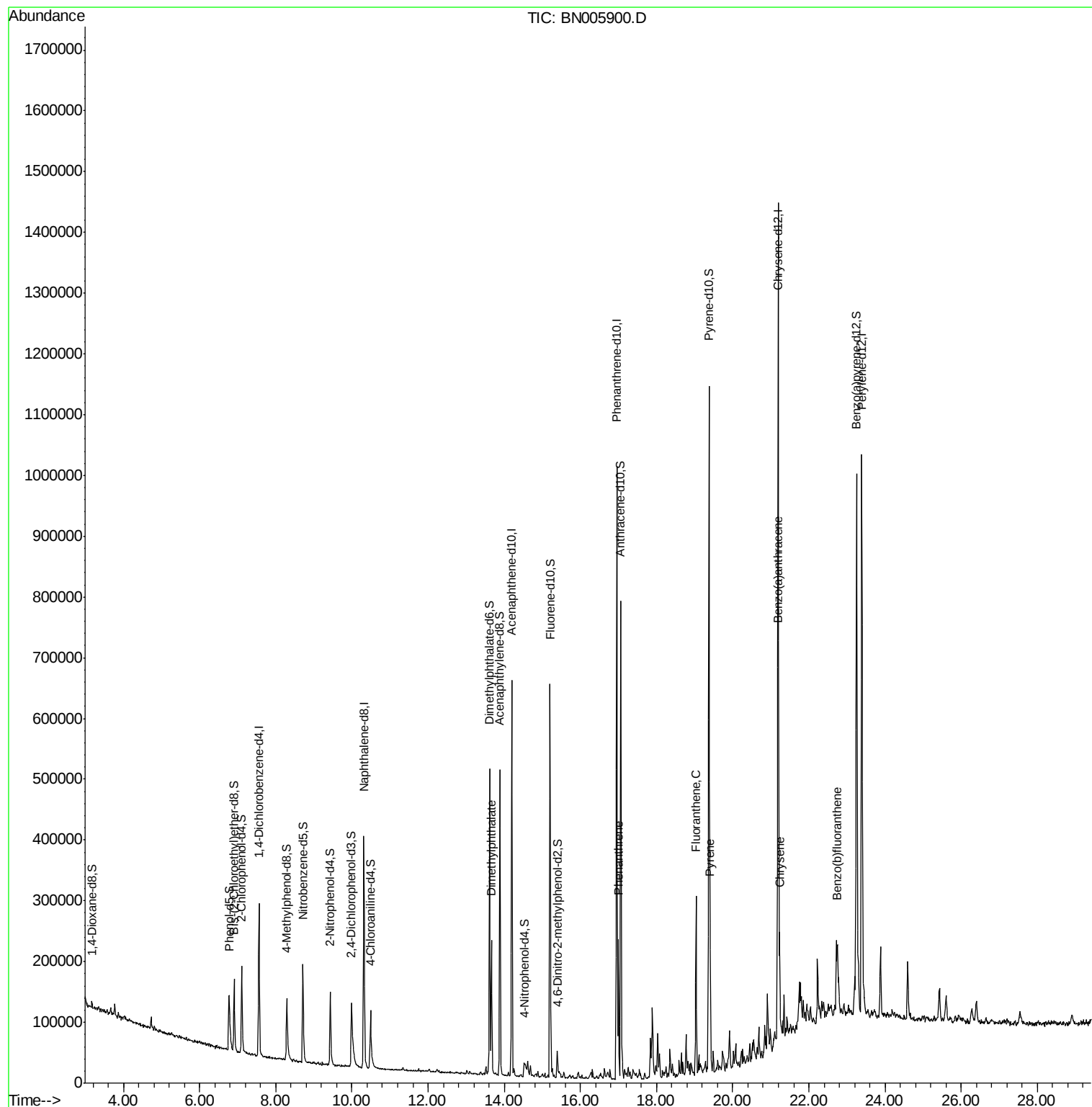
|                          |       |     |        |       | Ovalue |    |
|--------------------------|-------|-----|--------|-------|--------|----|
| 44) Dimethylphthalate    | 13.66 | 163 | 151429 | 9.104 | ng/ul  | 99 |
| 69) Phenanthrene         | 17.00 | 178 | 139151 | 4.850 | ng/ul  | 99 |
| 76) Fluoranthene         | 19.04 | 202 | 171380 | 4.831 | ng/ul# | 88 |
| 79) Pyrene               | 19.40 | 202 | 156210 | 3.966 | ng/ul# | 86 |
| 82) Benzo(a)anthracene   | 21.17 | 228 | 85103  | 2.106 | ng/ul# | 94 |
| 84) Chrysene             | 21.23 | 228 | 106544 | 2.797 | ng/ul# | 96 |
| 87) Benzo(b)fluoranthene | 22.74 | 252 | 96704  | 2.454 | ng/ul# | 97 |

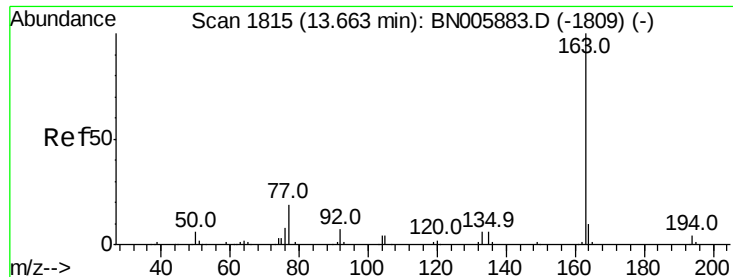
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052419\  
Data File : BN005900.D  
Acq On : 24 May 2019 21:10  
Operator : JU/SJ  
Sample : K2928-18  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: May 24 23:47:27 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 22 04:04:33 2019  
Response via : Initial Calibration

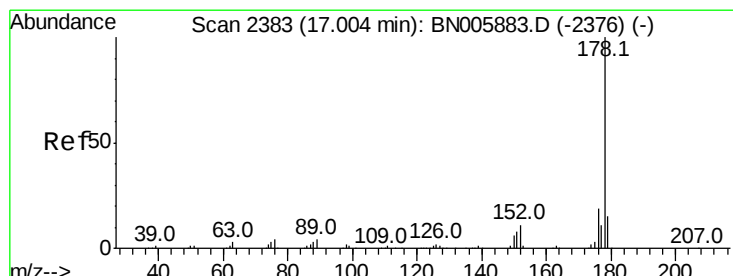
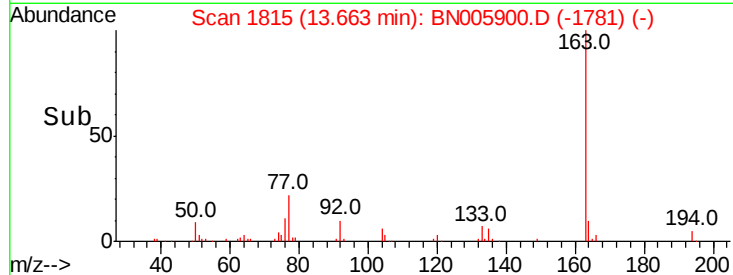
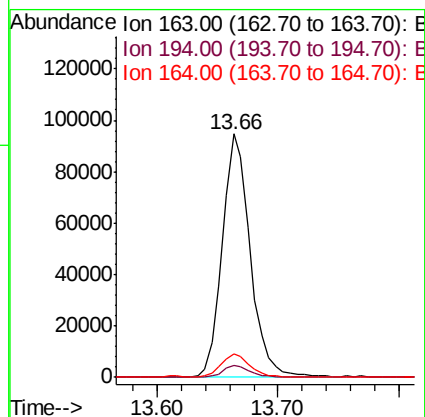
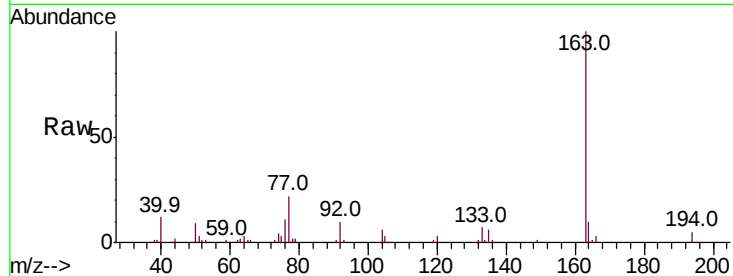




#44  
Dimethylphthalate  
Concen: 9.104 ng/ul  
RT: 13.66 min Scan# 1815  
Delta R.T. -0.00 min  
Lab File: BN005900.D  
Acq: 24 May 2019 21:10

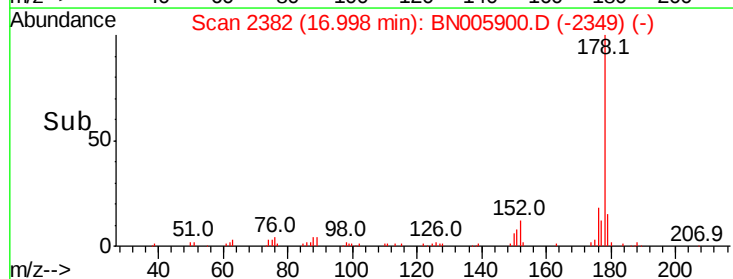
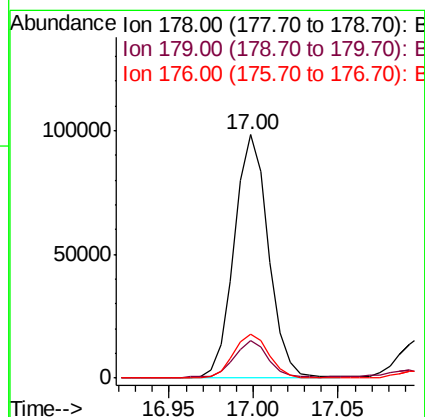
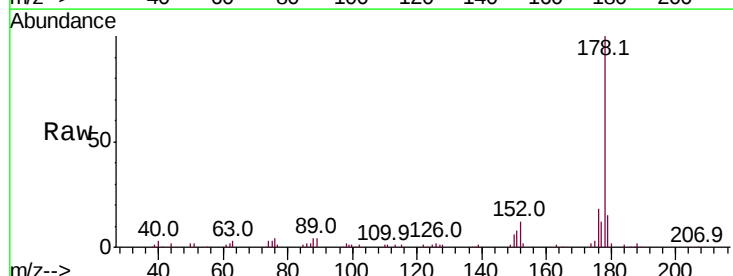
Instrument :  
BNA\_N  
ClientSampleId :

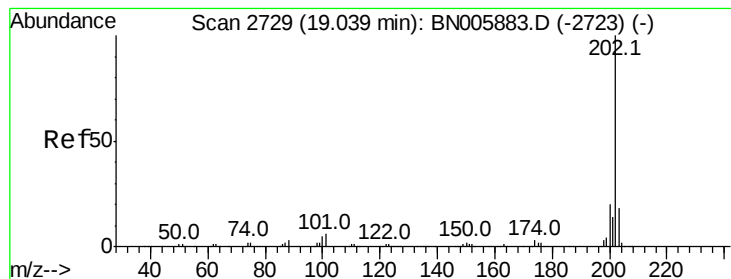
Tot Ion:163 Resp: 151429  
Ion Ratio Lower Upper  
163 100  
194 4.9 3.4 5.0  
164 9.6 8.1 12.1



#69  
Phenanthrene  
Concen: 4.850 ng/ul  
RT: 17.00 min Scan# 2382  
Delta R.T. -0.01 min  
Lab File: BN005900.D  
Acq: 24 May 2019 21:10

Tgt Ion:178 Resp: 139151  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.2 18.4  
176 18.1 15.1 22.7





#76

Fluoranthene

Concen: 4.831 ng/ul

RT: 19.04 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BN005900.D

Acq: 24 May 2019 21:10

Instrument :

BNA\_N

ClientSampleId :

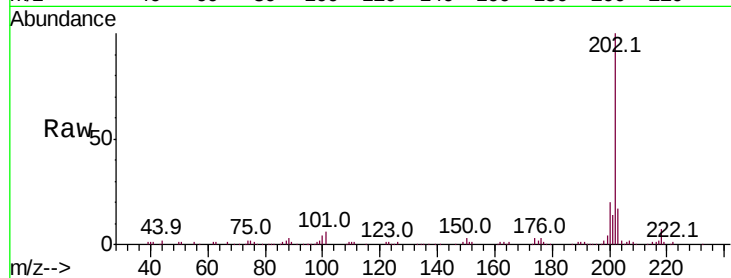
Tot Ion:202 Resp: 171380

Ion Ratio Lower Upper

202 100

101 5.7 8.6 12.8#

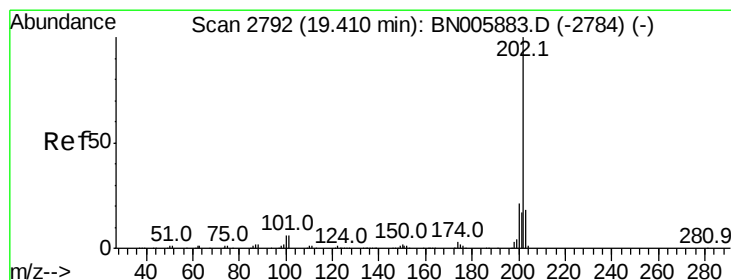
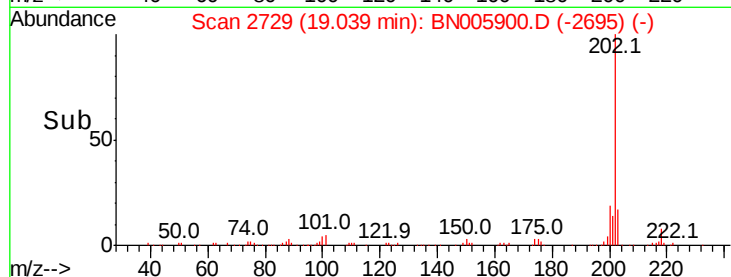
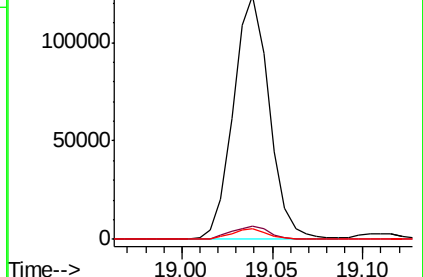
100 4.2 6.3 9.5#



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



#79

Pyrene

Concen: 3.966 ng/ul

RT: 19.40 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BN005900.D

Acq: 24 May 2019 21:10

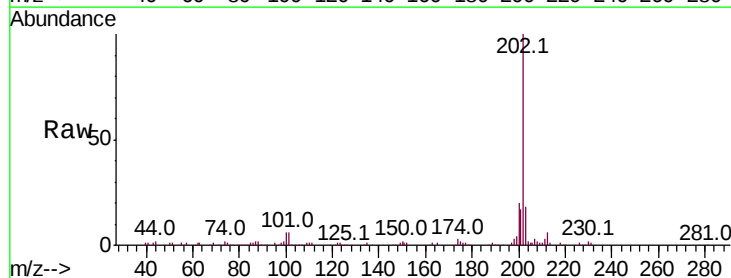
Tgt Ion:202 Resp: 156210

Ion Ratio Lower Upper

202 100

101 6.3 10.3 15.5#

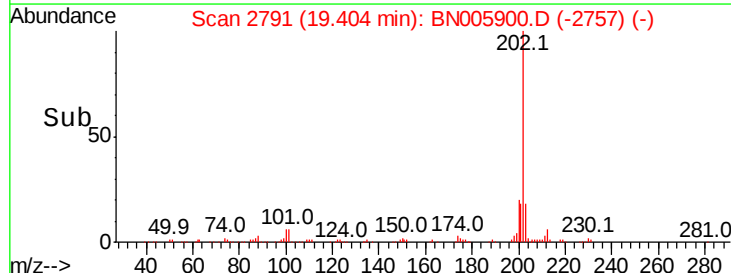
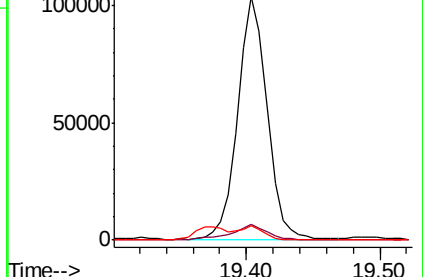
100 6.0 7.9 11.9#

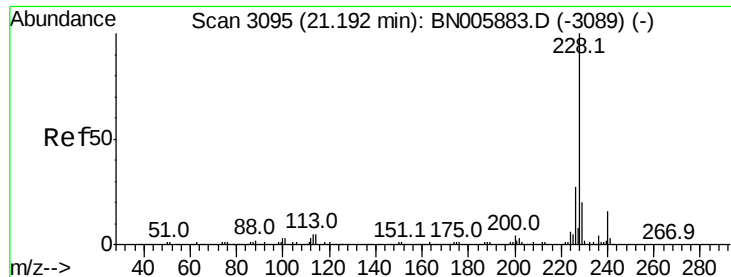


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 2.106 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BN005900.D

Acq: 24 May 2019 21:10

Instrument :

BNA\_N

ClientSampleId :

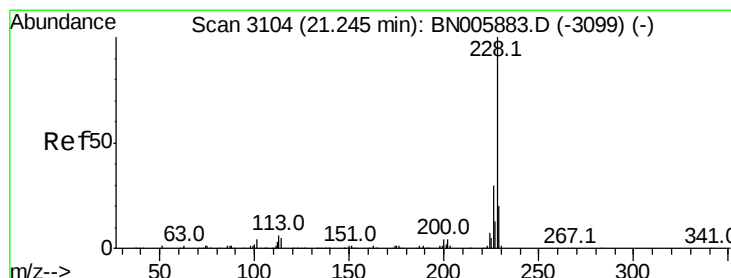
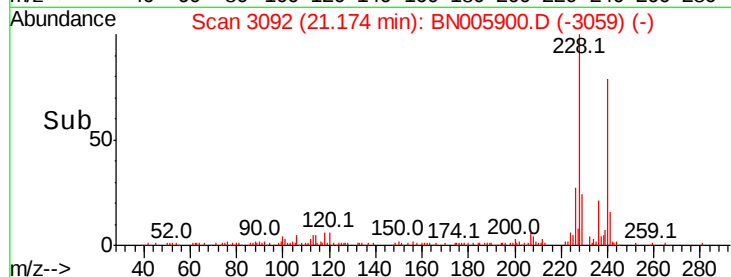
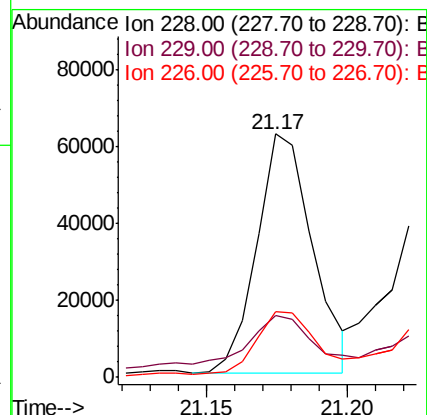
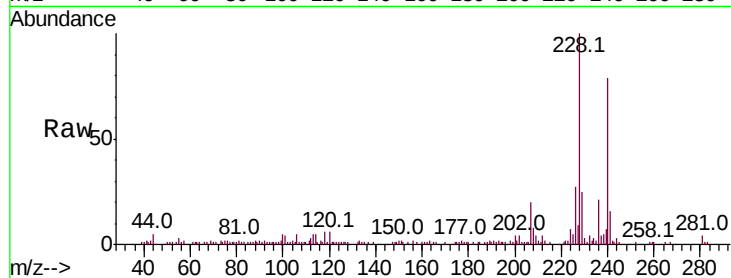
Tot Ion:228 Resp: 85103

Ion Ratio Lower Upper

228 100

229 25.5 15.8 23.6#

226 27.2 21.4 32.2



#84

Chrysene

Concen: 2.797 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BN005900.D

Acq: 24 May 2019 21:10

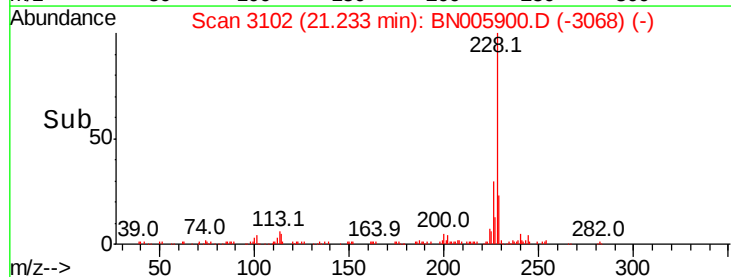
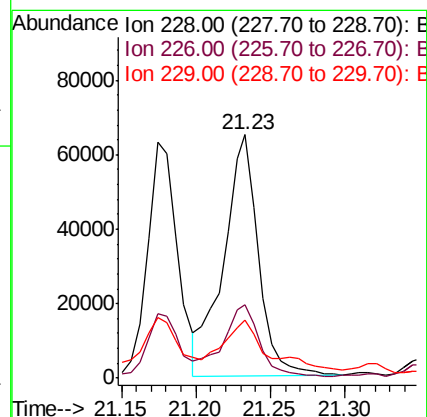
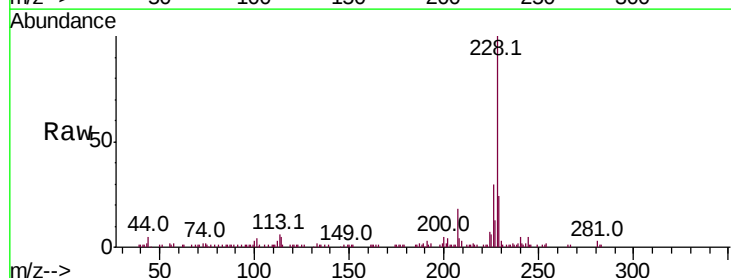
Tgt Ion:228 Resp: 106544

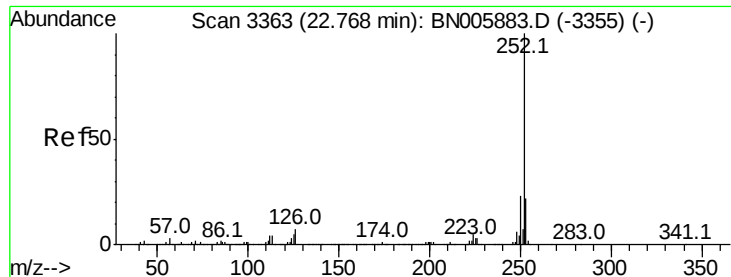
Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

229 23.8 15.4 23.0#





#87

Benzo(b)fluoranthene

Concen: 2.454 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BN005900.D

Acq: 24 May 2019 21:10

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:252 Resp: 96704

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 6.9 8.4 12.6

