

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\  
 Data File : BN007483.D  
 Acq On : 29 Aug 2019 00:00  
 Operator : HP/JU  
 Sample : K4373-04DL 5X  
 Misc :  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Aug 29 00:32:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 27 20:30:31 2019  
 Response via : Initial Calibration

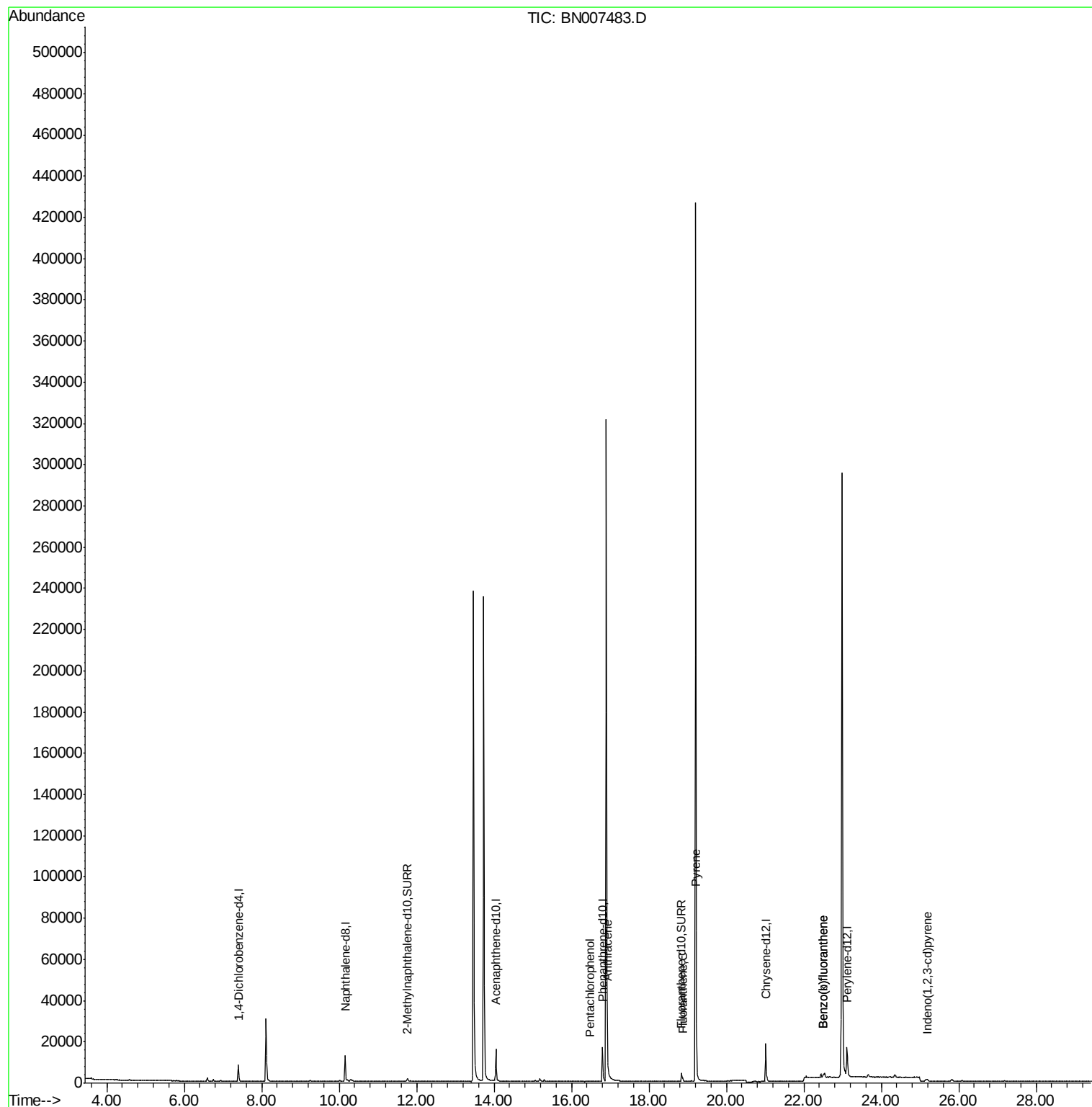
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.40  | 152  | 4040     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.15 | 136  | 17643    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.05 | 164  | 8944     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.80 | 188  | 19907    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.02 | 240  | 16362    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.11 | 264  | 19718    | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.76 | 152  | 1963     | 0.07   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.84 | 212  | 4769     | 0.07   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 11) Pentachlorophenol       | 16.47 | 266  | 109      | 0.024  | ng/ul  | 91       |
| 13) Anthracene              | 16.93 | 178  | 3482     | 0.059  | ng/ul# | 93       |
| 15) Fluoranthene            | 18.87 | 202  | 1806     | 0.022  | ng/ul  | 84       |
| 17) Pyrene                  | 19.23 | 202  | 2433     | 0.030  | ng/ul# | 77       |
| 21) Benzo(b)fluoranthene    | 22.50 | 252  | 4002     | 0.046  | ng/ul# | 52       |
| 22) Benzo(k)fluoranthene    | 22.50 | 252  | 4002     | 0.044  | ng/ul# | 55       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.18 | 276  | 2003     | 0.021  | ng/ul# | 51       |

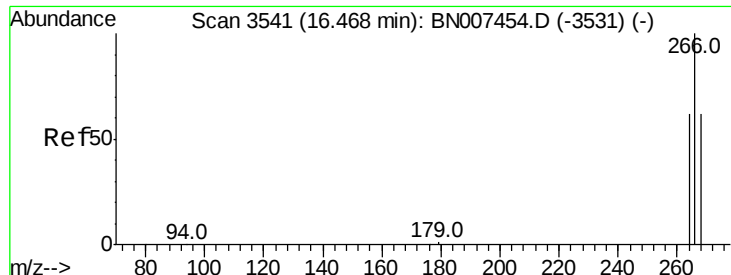
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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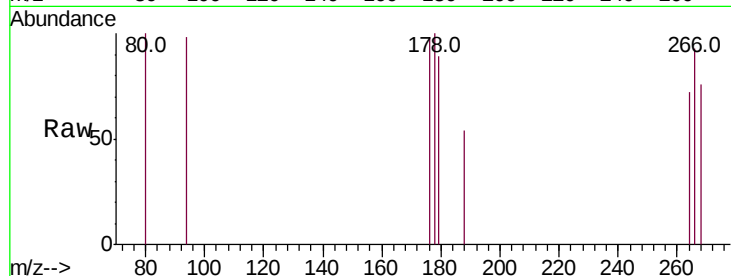




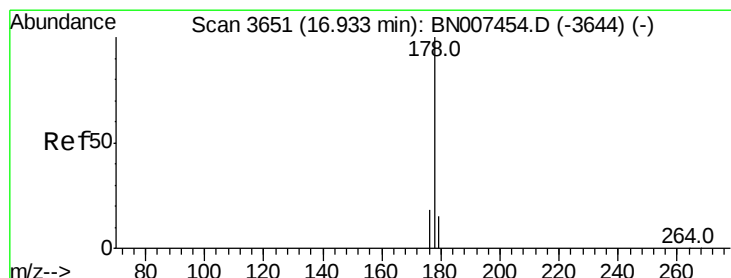
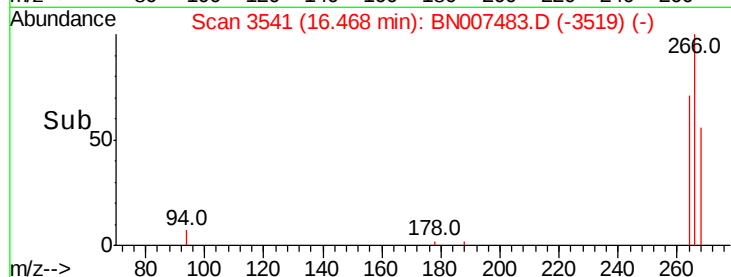
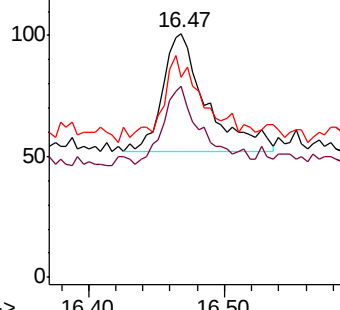
#11  
 Pentachlorophenol  
 Concen: 0.024 ng/ul  
 RT: 16.47 min Scan# 3541  
 Delta R.T. -0.01 min  
 Lab File: BN007483.D  
 Acq: 29 Aug 2019 00:00

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:266 Resp: 109  
 Ion Ratio Lower Upper  
 266 100  
 264 56.9 49.0 73.6  
 268 72.5 50.2 75.2

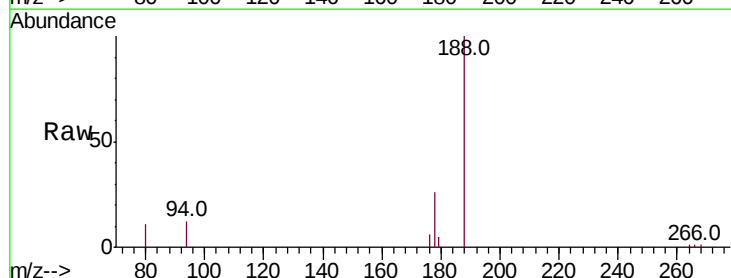


Abundance Ion 266.00 (265.70 to 266.70): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

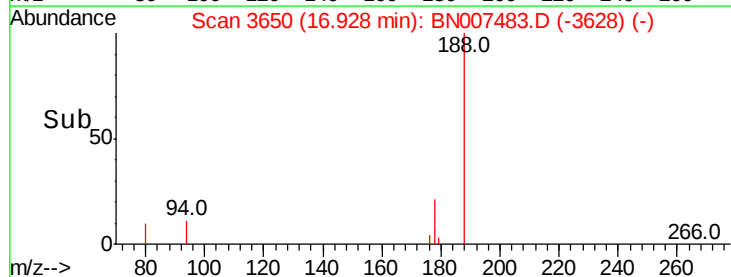
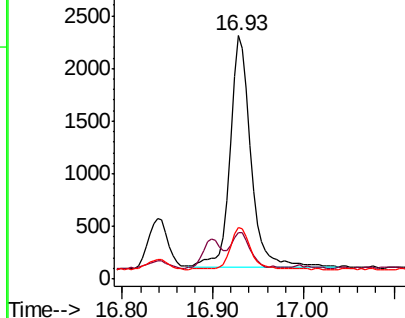


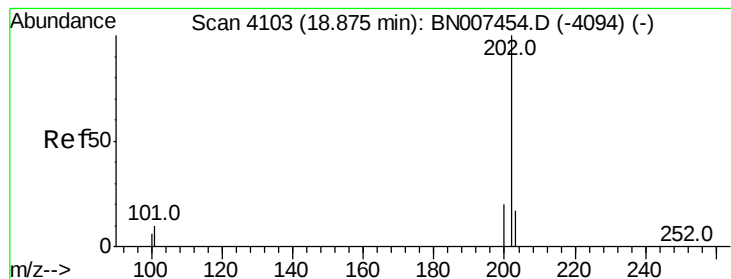
#13  
 Anthracene  
 Concen: 0.059 ng/ul  
 RT: 16.93 min Scan# 3650  
 Delta R.T. -0.01 min  
 Lab File: BN007483.D  
 Acq: 29 Aug 2019 00:00

Tgt Ion:178 Resp: 3482  
 Ion Ratio Lower Upper  
 178 100  
 179 19.2 12.8 19.2#  
 176 21.2 14.6 21.8



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





#15

Fluoranthene

Concen: 0.022 ng/ul

RT: 18.87 min Scan# 4102

Delta R.T. -0.00 min

Lab File: BN007483.D

Acq: 29 Aug 2019 00:00

Instrument :

BNA\_N

ClientSampleId :

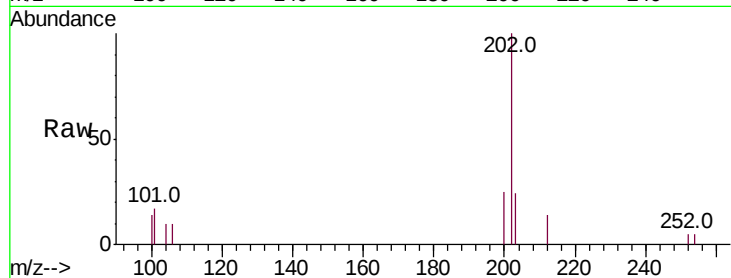
Tot Ion:202 Resp: 1806

Ion Ratio Lower Upper

202 100

101 17.1 0.0 31.3

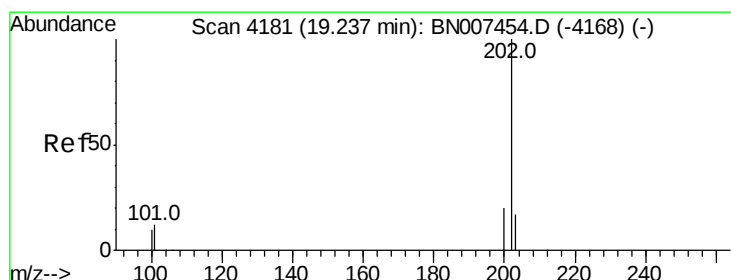
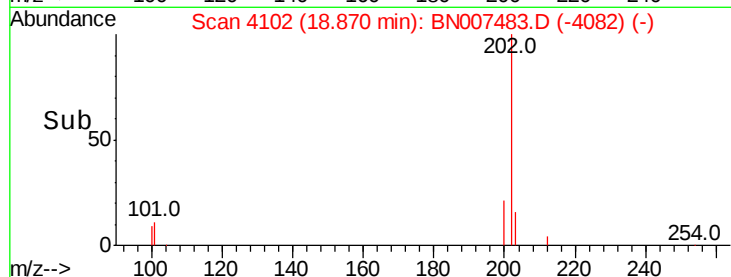
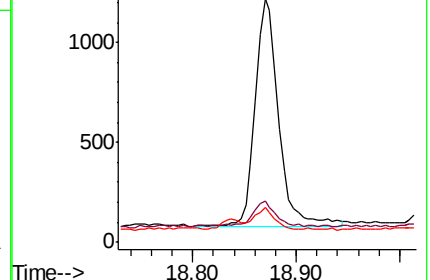
100 14.3 0.0 28.5



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



#17

Pyrene

Concen: 0.030 ng/ul

RT: 19.23 min Scan# 4180

Delta R.T. -0.01 min

Lab File: BN007483.D

Acq: 29 Aug 2019 00:00

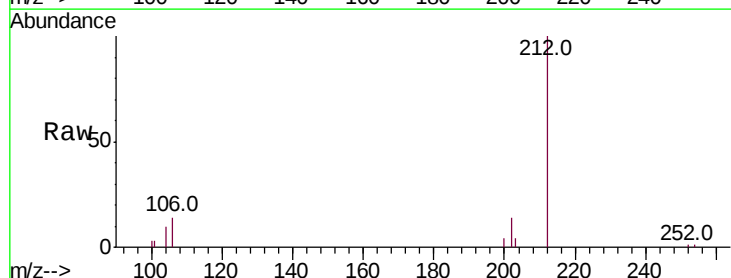
Tgt Ion:202 Resp: 2433

Ion Ratio Lower Upper

202 100

101 20.8 10.7 16.1#

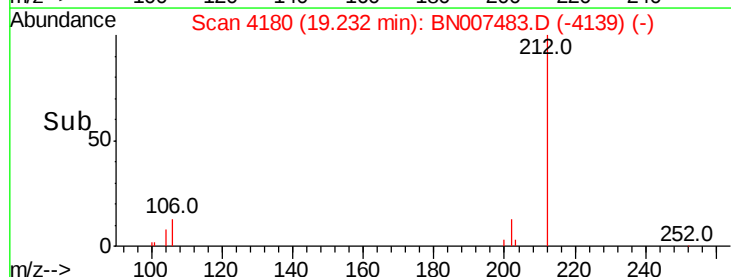
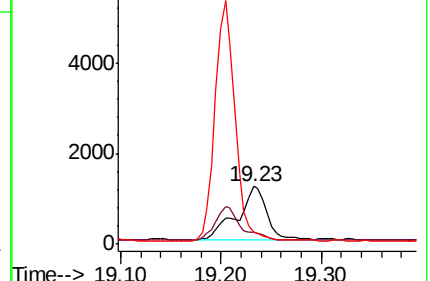
100 21.2 8.6 12.8#

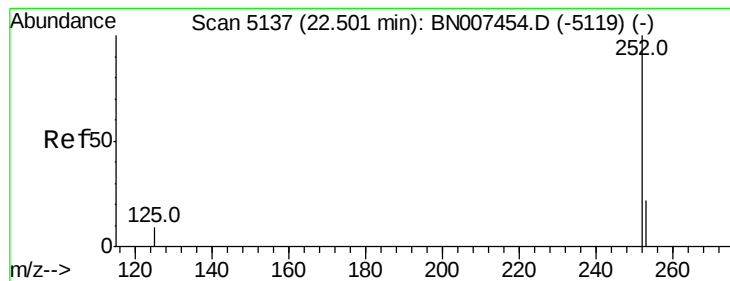


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(b)fluoranthene

Concen: 0.046 ng/ul

RT: 22.50 min Scan# 5137

Delta R.T. -0.01 min

Lab File: BN007483.D

Acq: 29 Aug 2019 00:00

Instrument :

BNA\_N

ClientSampleId :

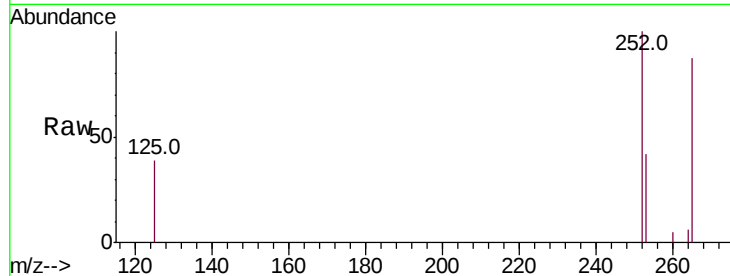
Tot Ion:252 Resp: 4002

Ion Ratio Lower Upper

252 100

253 41.7 0.0 47.0

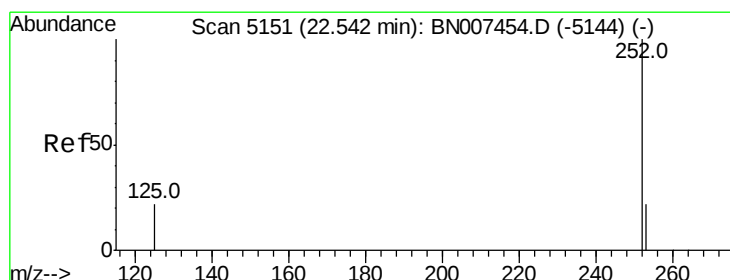
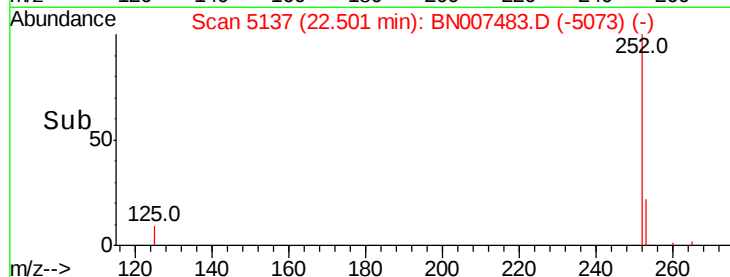
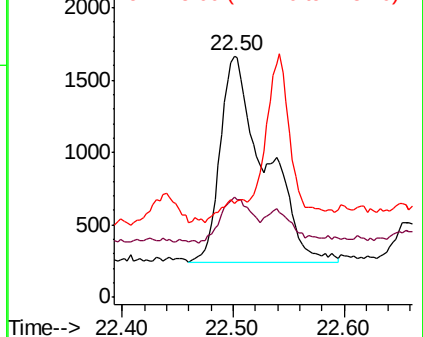
125 38.7 0.0 24.8#



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



#22

Benzo(k)fluoranthene

Concen: 0.044 ng/ul

RT: 22.50 min Scan# 5137

Delta R.T. -0.05 min

Lab File: BN007483.D

Acq: 29 Aug 2019 00:00

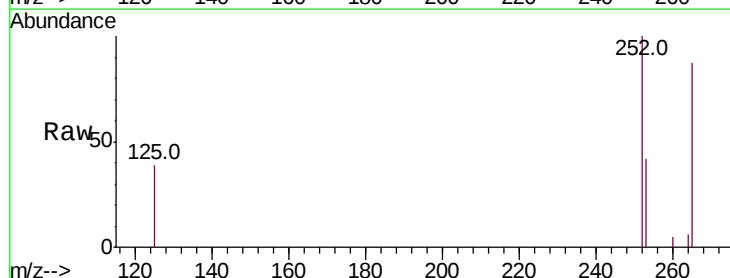
Tgt Ion:252 Resp: 4002

Ion Ratio Lower Upper

252 100

253 41.7 18.7 28.1#

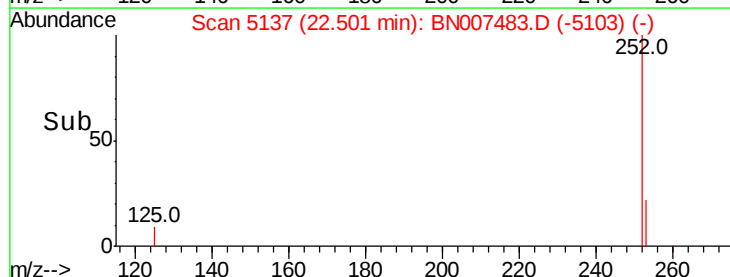
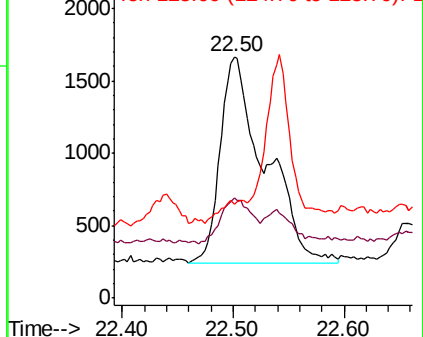
125 38.7 12.4 18.6#

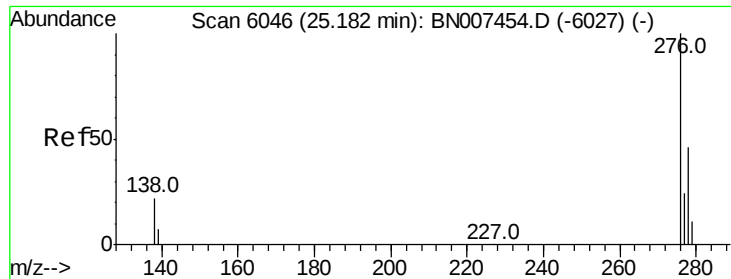


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



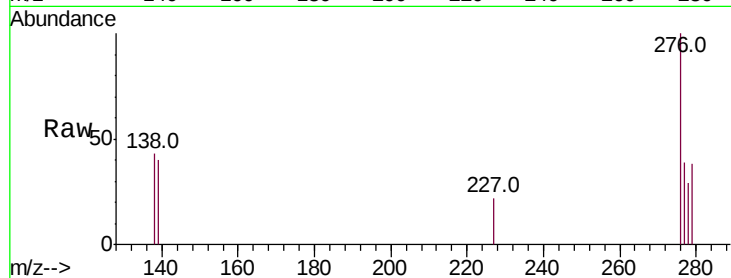


#24

Indeno(1,2,3-cd)pyrene  
 Concen: 0.021 ng/ul  
 RT: 25.18 min Scan# 6047  
 Delta R.T. -0.01 min  
 Lab File: BN007483.D  
 Acq: 29 Aug 2019 00:00

Instrument :  
 BNA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.0   | 19.7  | 29.5# |
| 227     | 0.0   | 0.1   | 0.1#  |



Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 227.00 (226.70 to 227.70): E

