

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101619\  
 Data File : BN008199.D  
 Acq On : 16 Oct 2019 15:29  
 Operator : JU  
 Sample : K5175-22  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 18:24:01 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Oct 16 17:43:36 2019

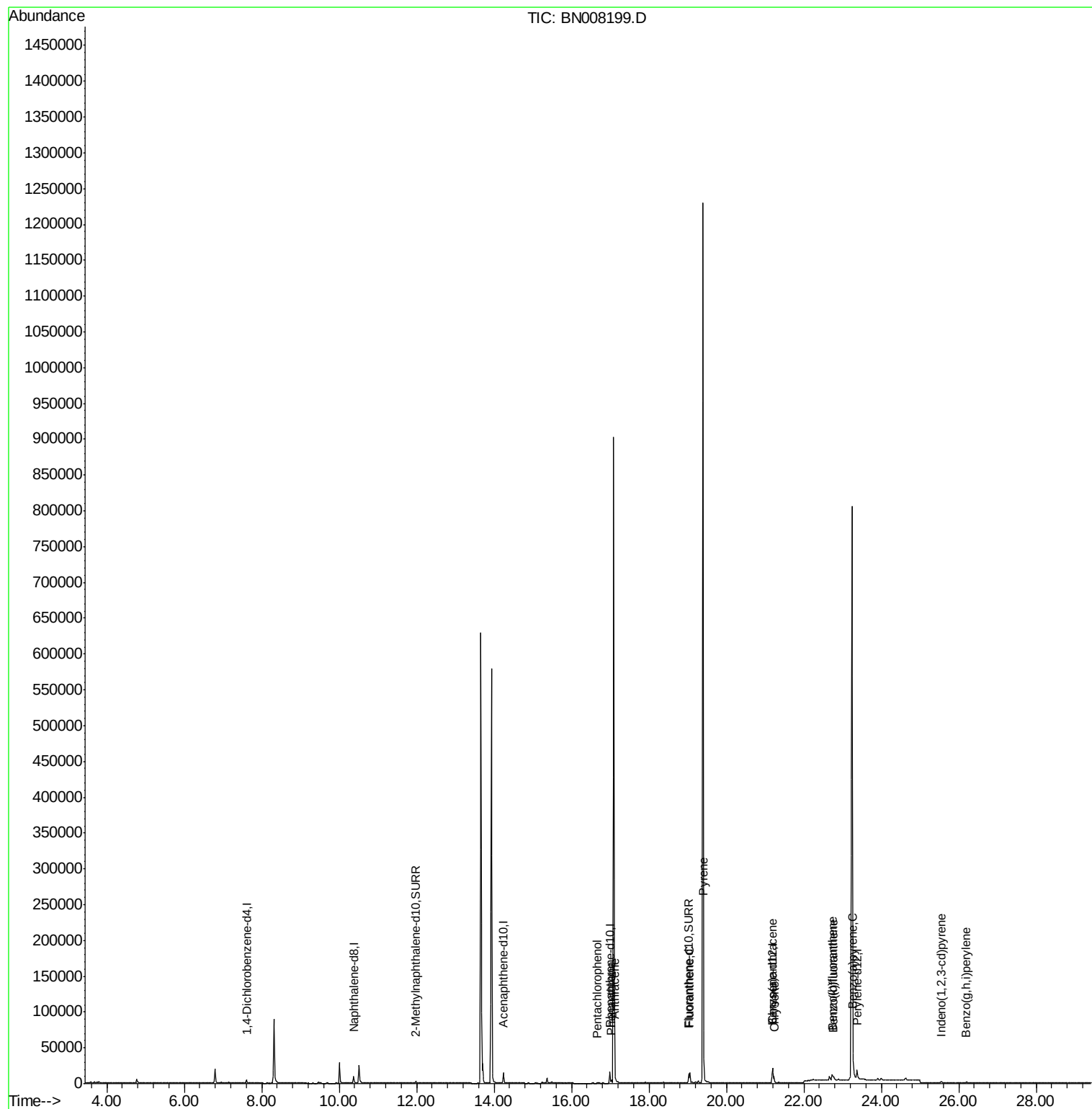
Response via : Initial Calibration

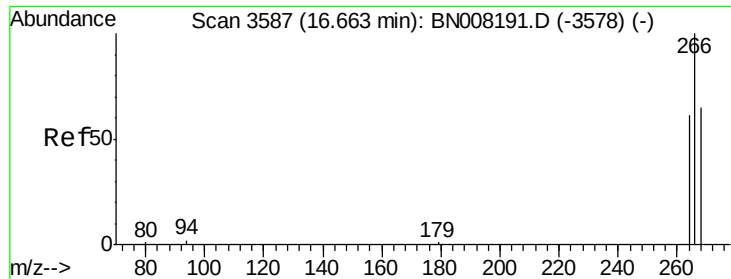
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.61  | 152  | 2632     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.37 | 136  | 13026    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.24 | 164  | 8326     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.99 | 188  | 18853m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.19 | 240  | 18113    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.37 | 264  | 15703    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.97 | 152  | 4569     | 0.21   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.02 | 212  | 15431    | 0.24   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 11) Pentachlorophenol       | 16.66 | 266  | 136      | 0.030  | ng/ul# | 88       |
| 12) Phenanthrene            | 17.03 | 178  | 4547     | 0.082  | ng/ul  | 97       |
| 13) Anthracene              | 17.12 | 178  | 1207     | 0.025  | ng/ul# | 82       |
| 15) Fluoranthene            | 19.06 | 202  | 13168    | 0.181  | ng/ul  | 96       |
| 17) Pyrene                  | 19.42 | 202  | 13199    | 0.183  | ng/ul# | 93       |
| 18) Benzo(a)anthracene      | 21.18 | 228  | 6030     | 0.092  | ng/ul  | 93       |
| 19) Chrysene                | 21.23 | 228  | 9888     | 0.122  | ng/ul  | 96       |
| 21) Benzo(b)fluoranthene    | 22.73 | 252  | 10472m   | 0.205  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.76 | 252  | 3747m    | 0.065  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.28 | 252  | 5241     | 0.097  | ng/ul# | 59       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.54 | 276  | 3197     | 0.050  | ng/ul# | 81       |
| 26) Benzo(g,h,i)perylene    | 26.20 | 276  | 2395     | 0.041  | ng/ul# | 69       |

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

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Misc :  
ALS Vial : 10 Sample Multiplier: 1

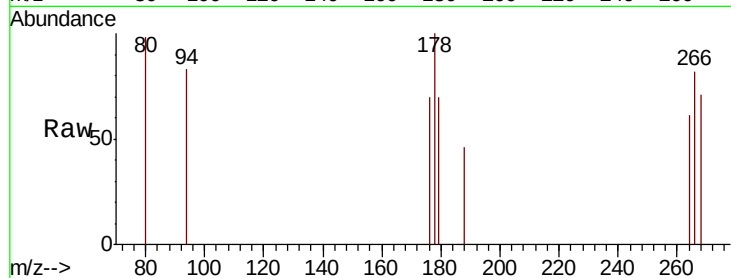
Quant Time: Oct 16 18:24:01 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 16 17:43:36 2019  
Response via : Initial Calibration



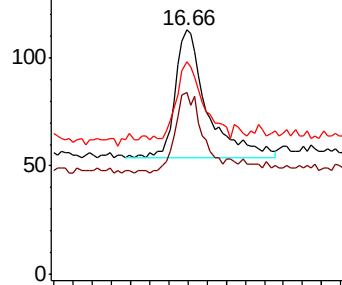


#11  
 Pentachlorophenol  
 Concen: 0.030 ng/ul  
 RT: 16.66 min Scan# 3586  
 Delta R.T. -0.00 min  
 Lab File: BN008199.D  
 Acq: 16 Oct 2019 15:29

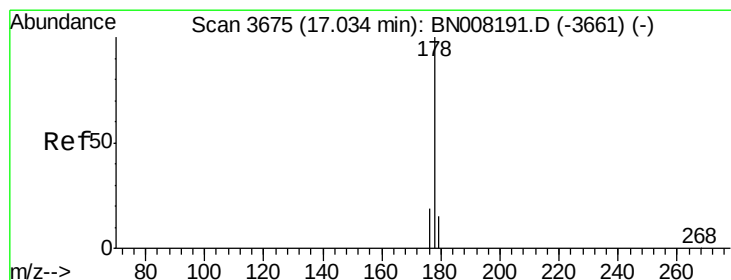
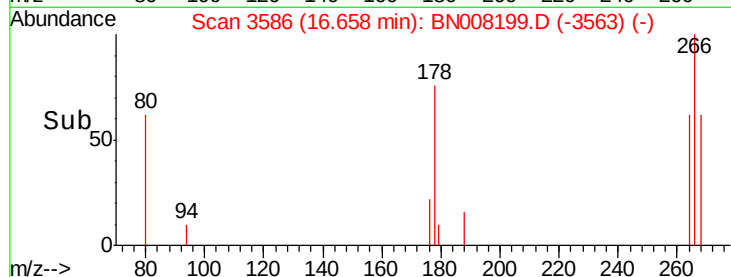
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 61.8  | 50.1  | 75.1  |
| 268     | 47.8  | 51.9  | 77.9  |



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

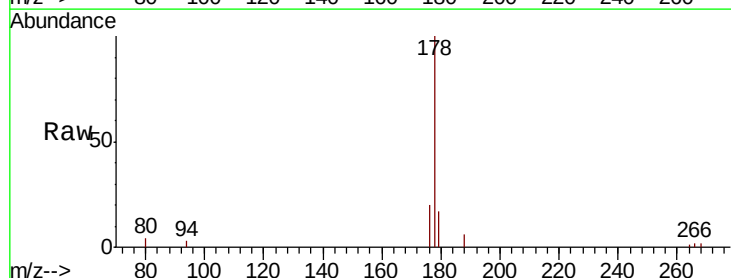


Time-->

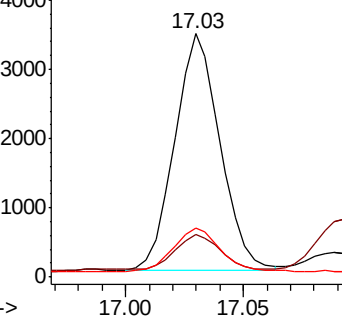


#12  
 Phenanthrene  
 Concen: 0.082 ng/ul  
 RT: 17.03 min Scan# 3674  
 Delta R.T. -0.00 min  
 Lab File: BN008199.D  
 Acq: 16 Oct 2019 15:29

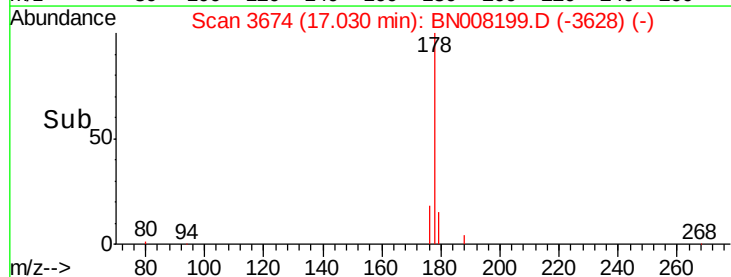
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 17.5  | 12.8  | 19.2  |
| 176     | 20.2  | 15.4  | 23.2  |

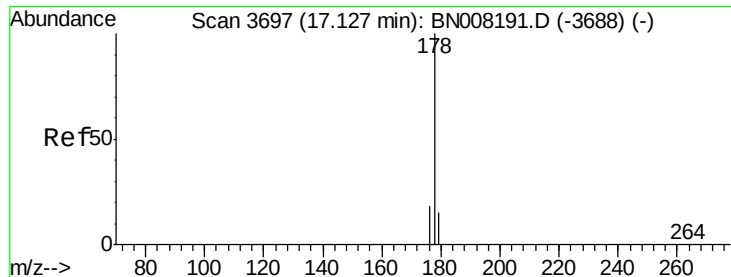


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.025 ng/ul

RT: 17.12 min Scan# 3696

Delta R.T. -0.00 min

Lab File: BN008199.D

Acq: 16 Oct 2019 15:29

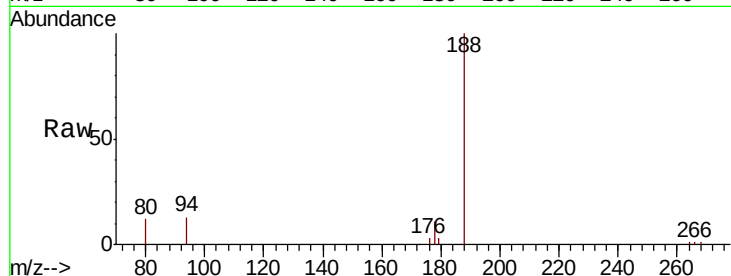
Tot Ion:178 Resp: 1207

Ion Ratio Lower Upper

178 100

179 25.9 13.0 19.6#

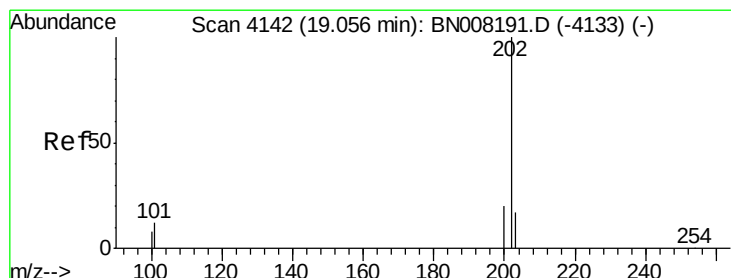
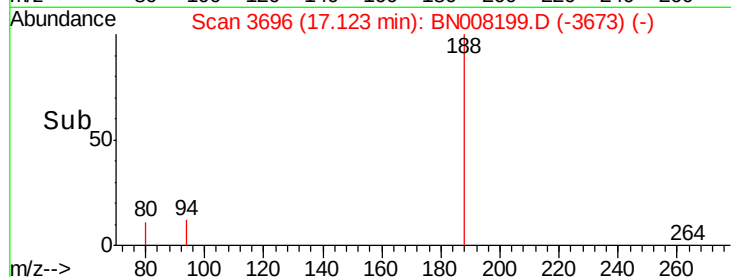
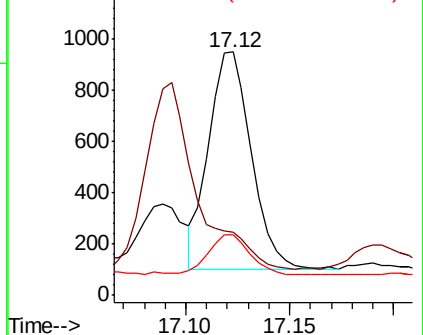
176 24.7 15.0 22.6#



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: 0.181 ng/ul

RT: 19.06 min Scan# 4142

Delta R.T. -0.00 min

Lab File: BN008199.D

Acq: 16 Oct 2019 15:29

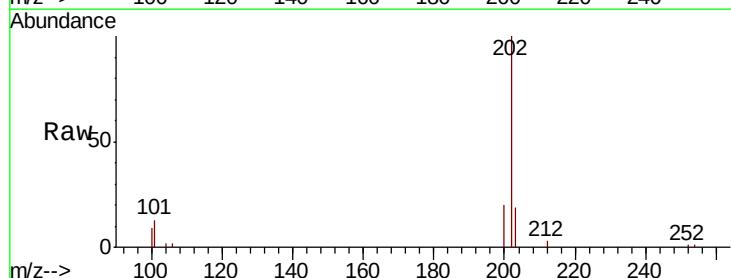
Tgt Ion:202 Resp: 13168

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.2

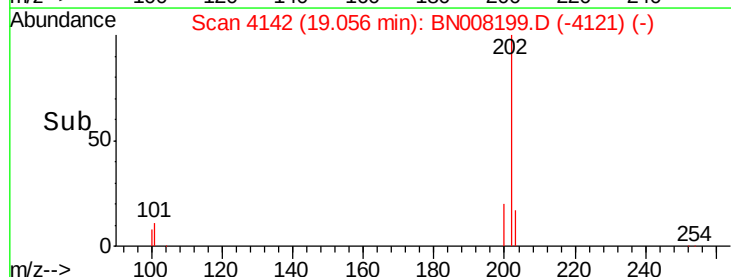
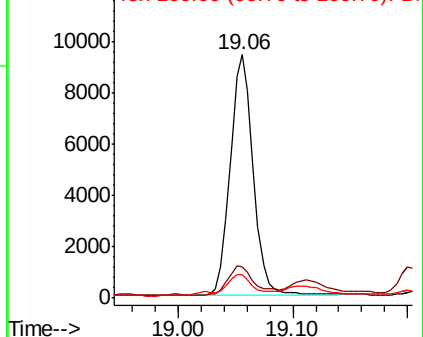
100 9.4 0.0 28.5

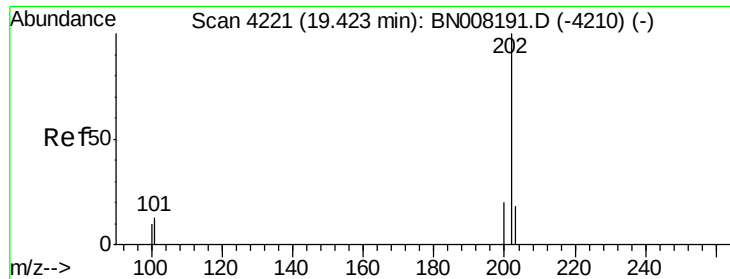


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

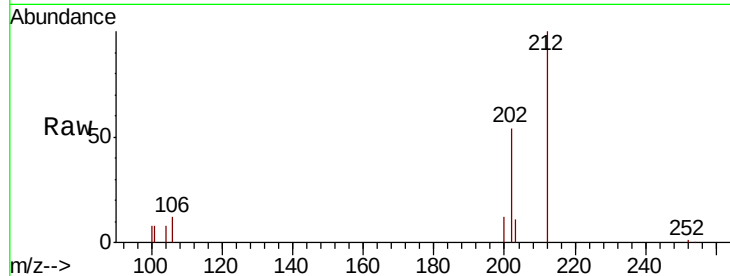
Ion 100.00 (99.70 to 100.70): B



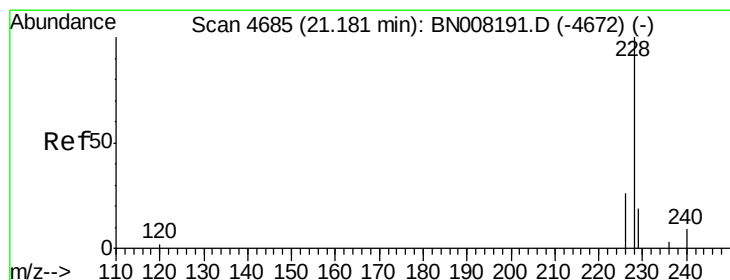
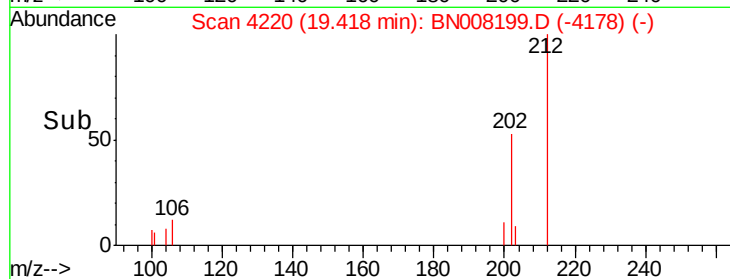
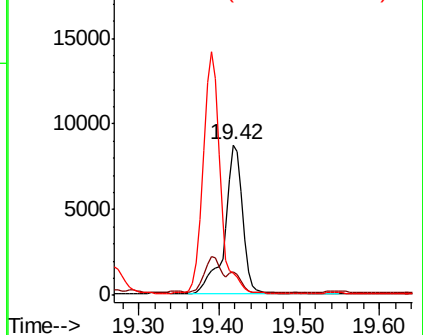


#17  
Pvrene  
Concen: 0.183 ng/ul  
RT: 19.42 min Scan# 4220  
Delta R.T. -0.00 min  
Lab File: BN008199.D  
Acq: 16 Oct 2019 15:29

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 15.8  | 10.9  | 16.3  |
| 100     | 14.5  | 8.7   | 13.1  |

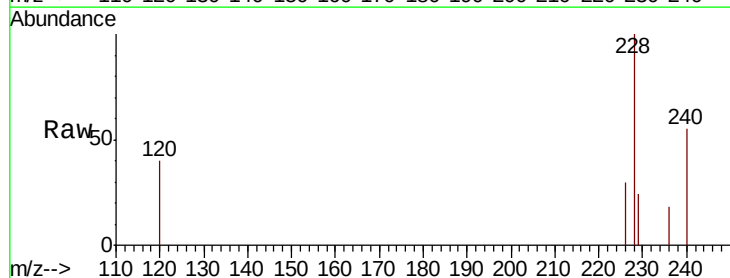


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

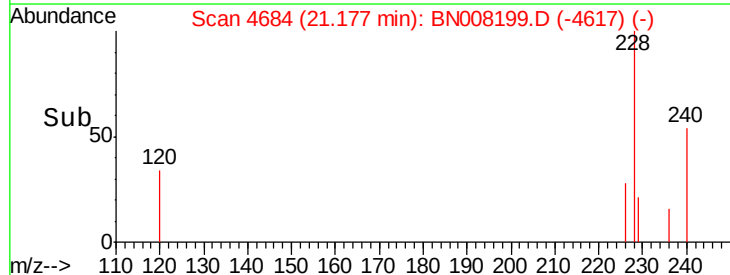
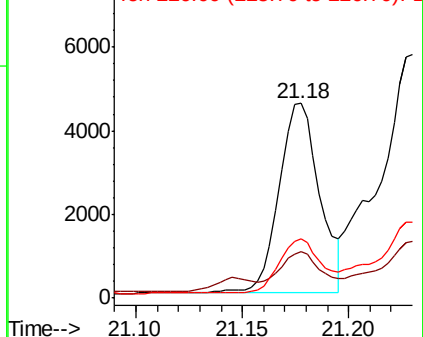


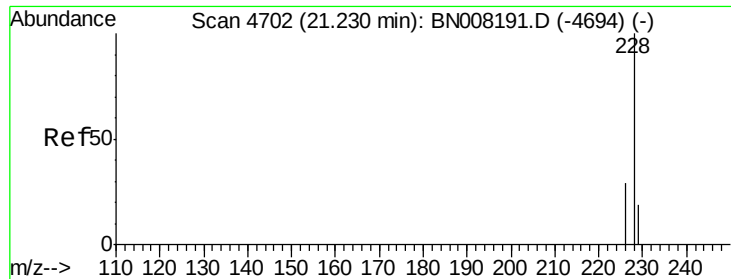
#18  
Benzo(a)anthracene  
Concen: 0.092 ng/ul  
RT: 21.18 min Scan# 4684  
Delta R.T. -0.00 min  
Lab File: BN008199.D  
Acq: 16 Oct 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 23.6  | 16.2  | 24.2  |
| 226     | 30.4  | 21.4  | 32.0  |



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





#19

Chrysene

Concen: 0.122 ng/ul

RT: 21.23 min Scan# 4702

Delta R.T. -0.00 min

Lab File: BN008199.D

Acq: 16 Oct 2019 15:29

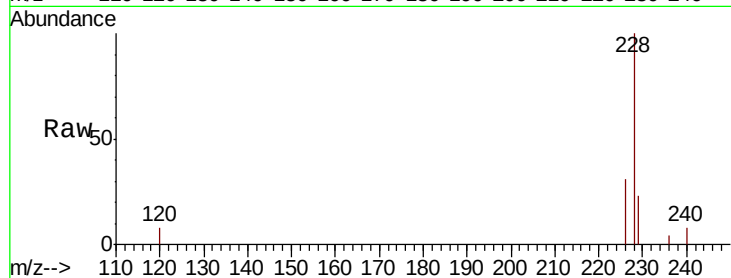
Tot Ion:228 Resp: 9888

Ion Ratio Lower Upper

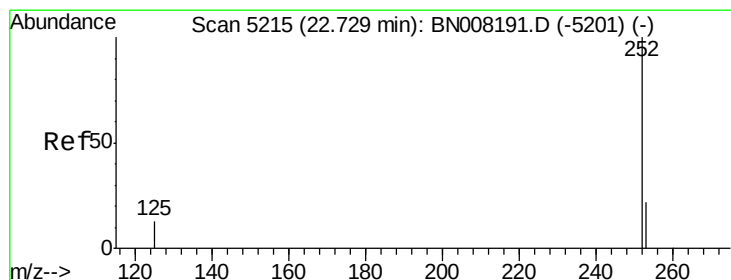
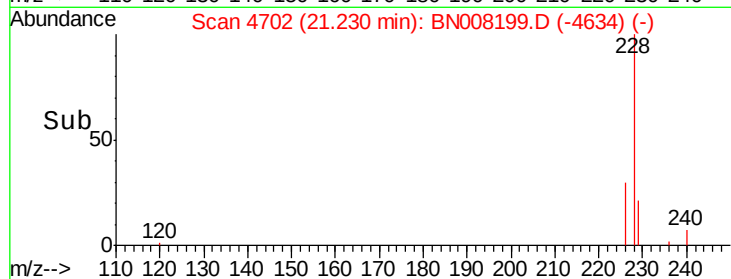
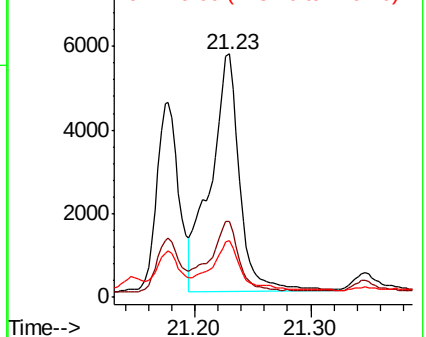
228 100

226 30.9 24.1 36.1

229 23.3 16.2 24.2



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



#21

Benzo(b)fluoranthene

Concen: 0.205 ng/ul m

RT: 22.73 min Scan# 5214

Delta R.T. -0.00 min

Lab File: BN008199.D

Acq: 16 Oct 2019 15:29

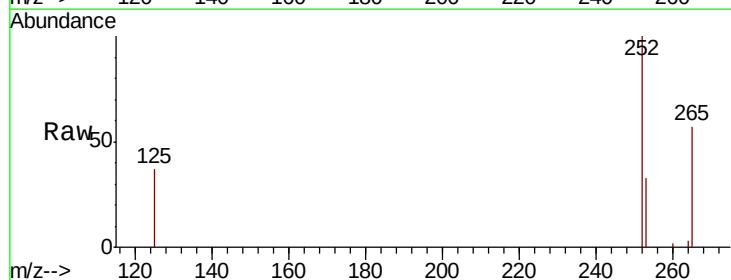
Tgt Ion:252 Resp: 10472

Ion Ratio Lower Upper

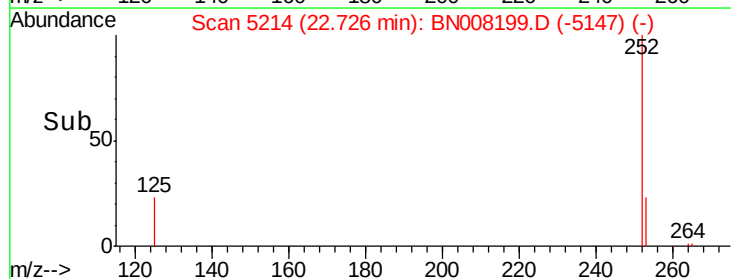
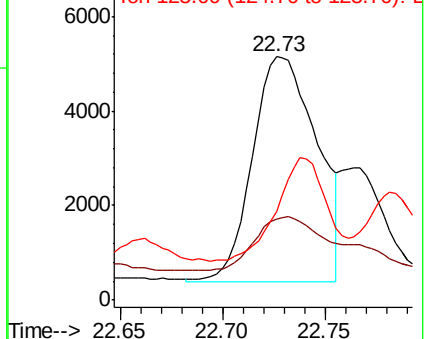
252 100

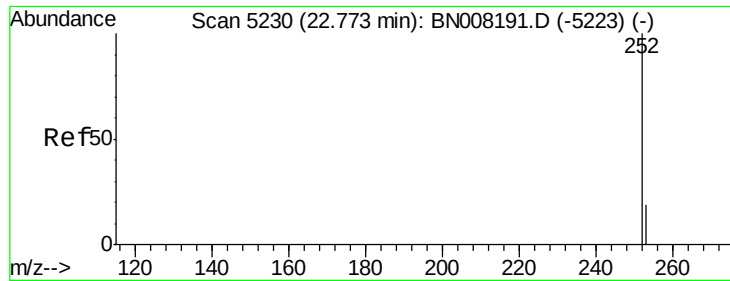
253 33.2 0.0 53.4

125 36.7 0.0 32.4#



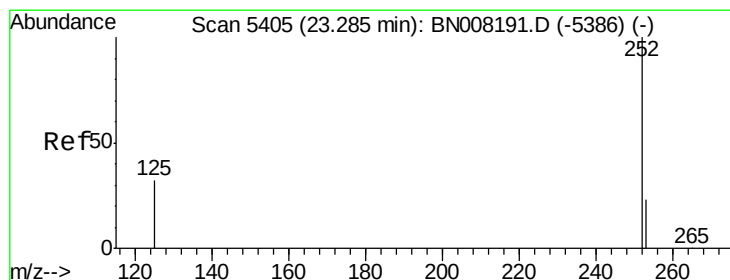
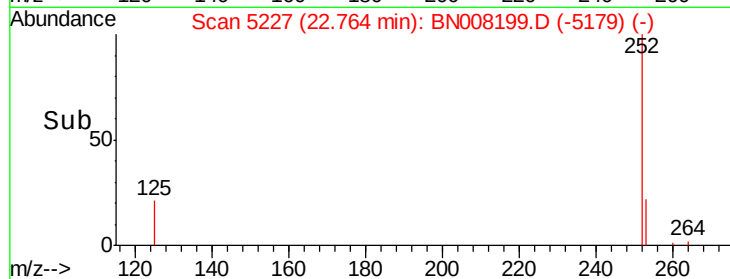
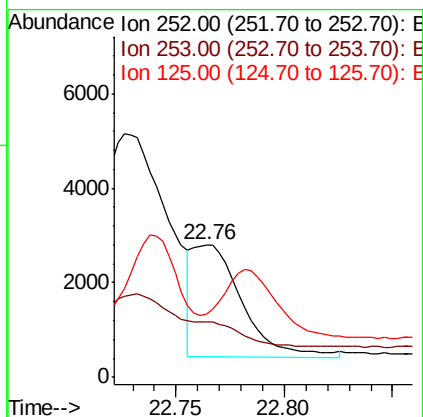
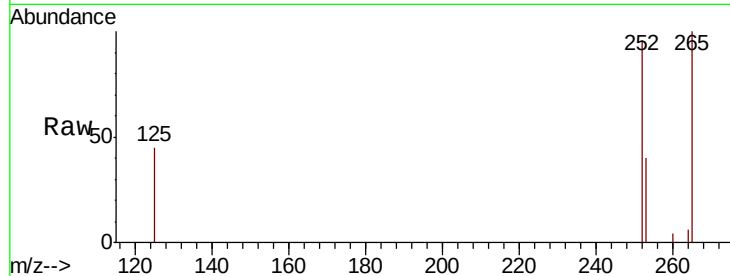
Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





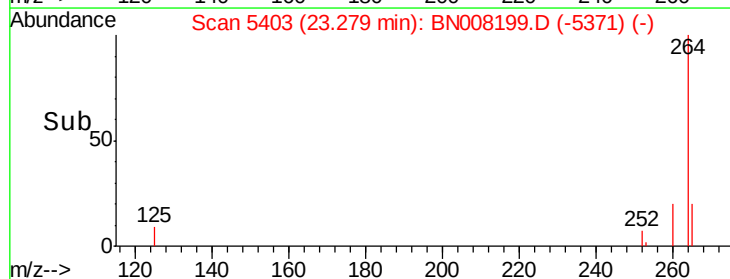
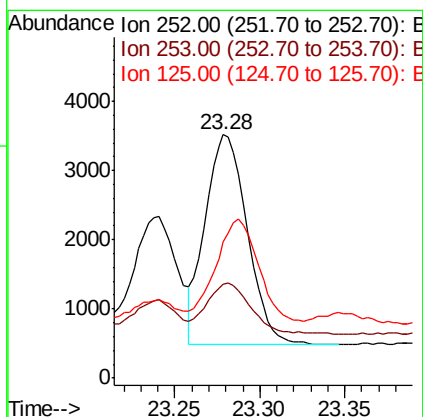
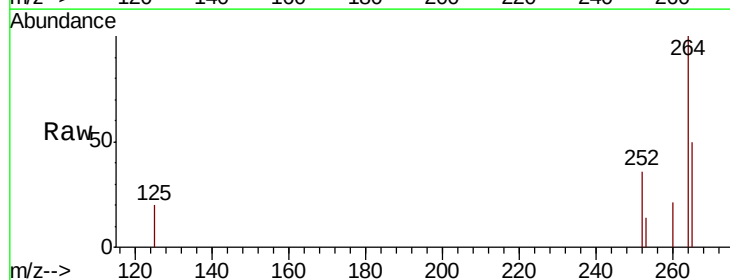
#22  
Benzo(k)fluoranthene  
Concen: 0.065 ng/ul m  
RT: 22.76 min Scan# 5227  
Delta R.T. -0.01 min  
Lab File: BN008199.D  
Acq: 16 Oct 2019 15:29

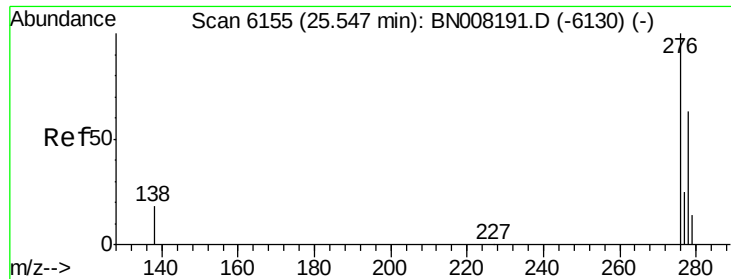
Tot Ion:252 Resp: 3747  
Ion Ratio Lower Upper  
252 100  
253 41.6 21.3 31.9#  
125 47.2 12.3 18.5#



#23  
Benzo(a)pyrene  
Concen: 0.097 ng/ul  
RT: 23.28 min Scan# 5403  
Delta R.T. -0.01 min  
Lab File: BN008199.D  
Acq: 16 Oct 2019 15:29

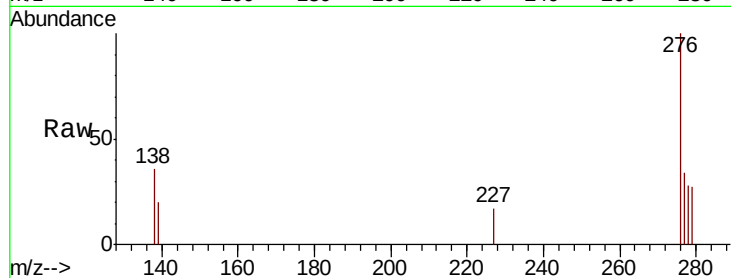
Tgt Ion:252 Resp: 5241  
Ion Ratio Lower Upper  
252 100  
253 38.6 22.8 34.2#  
125 55.7 18.4 27.6#





#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.050 ng/ul  
 RT: 25.54 min Scan# 6153  
 Delta R.T. -0.01 min  
 Lab File: BN008199.D  
 Acq: 16 Oct 2019 15:29

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 11.4  | 16.1  | 24.1# |
| 227     | 0.0   | 0.2   | 0.2#  |

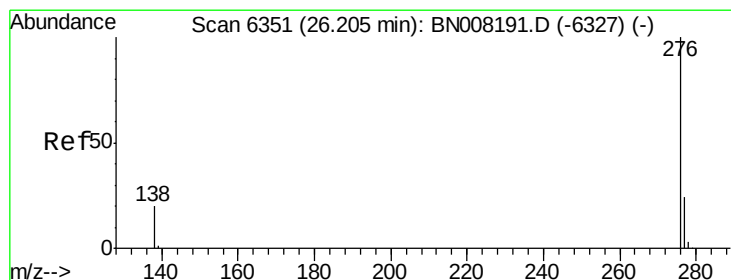
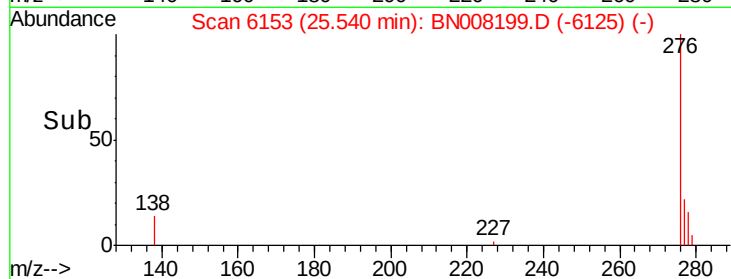
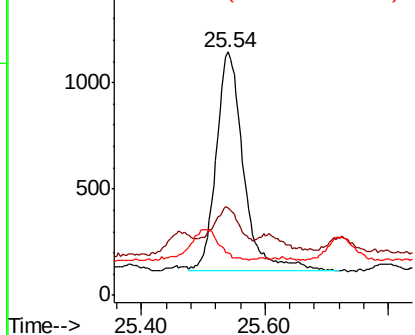


Abundance

Ion 276.00 (275.70 to 276.70): E

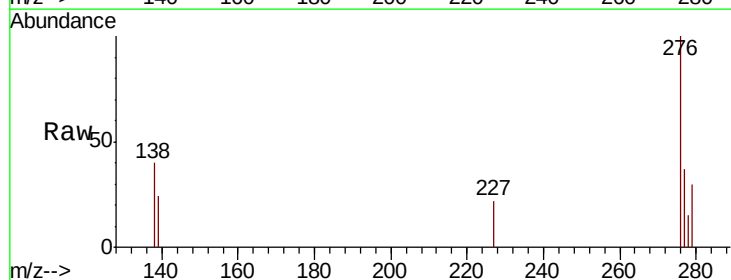
Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



#26  
 Benzo(g,h,i)perylene  
 Concen: 0.041 ng/ul  
 RT: 26.20 min Scan# 6349  
 Delta R.T. -0.01 min  
 Lab File: BN008199.D  
 Acq: 16 Oct 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 40.3  | 17.0  | 25.4# |
| 277     | 36.9  | 20.4  | 30.6# |



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

