

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\  
 Data File : BN009207.D  
 Acq On : 27 Dec 2019 22:40  
 Operator : JU  
 Sample : K6276-15  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0C63

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Quant Time: Dec 27 23:33:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 23:08:48 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.51  | 152  | 2266     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.27 | 136  | 8113     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.14 | 164  | 4610     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.89 | 188  | 9680m    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.09 | 240  | 8080     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.21 | 264  | 8068     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.86 | 152  | 3345     | 0.23   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.93 | 212  | 8293     | 0.29   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 16.93 | 178  | 749      | 0.022  | ng/ul# | 77       |
| 15) Fluoranthene            | 18.95 | 202  | 2220     | 0.058  | ng/ul  | 87       |
| 17) Pyrene                  | 19.32 | 202  | 1864     | 0.045  | ng/ul# | 87       |
| 18) Benzo(a)anthracene      | 21.07 | 228  | 1212     | 0.034  | ng/ul# | 82       |
| 19) Chrysene                | 21.12 | 228  | 1550     | 0.043  | ng/ul# | 86       |
| 21) Benzo(b)fluoranthene    | 22.59 | 252  | 2775     | 0.074  | ng/ul# | 53       |
| 22) Benzo(k)fluoranthene    | 22.62 | 252  | 1282m    | 0.034  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.12 | 252  | 1270     | 0.038  | ng/ul# | 20       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.31 | 276  | 1166     | 0.032  | ng/ul# | 82       |
| 26) Benzo(g,h,i)perylene    | 25.94 | 276  | 1138     | 0.038  | ng/ul# | 66       |

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

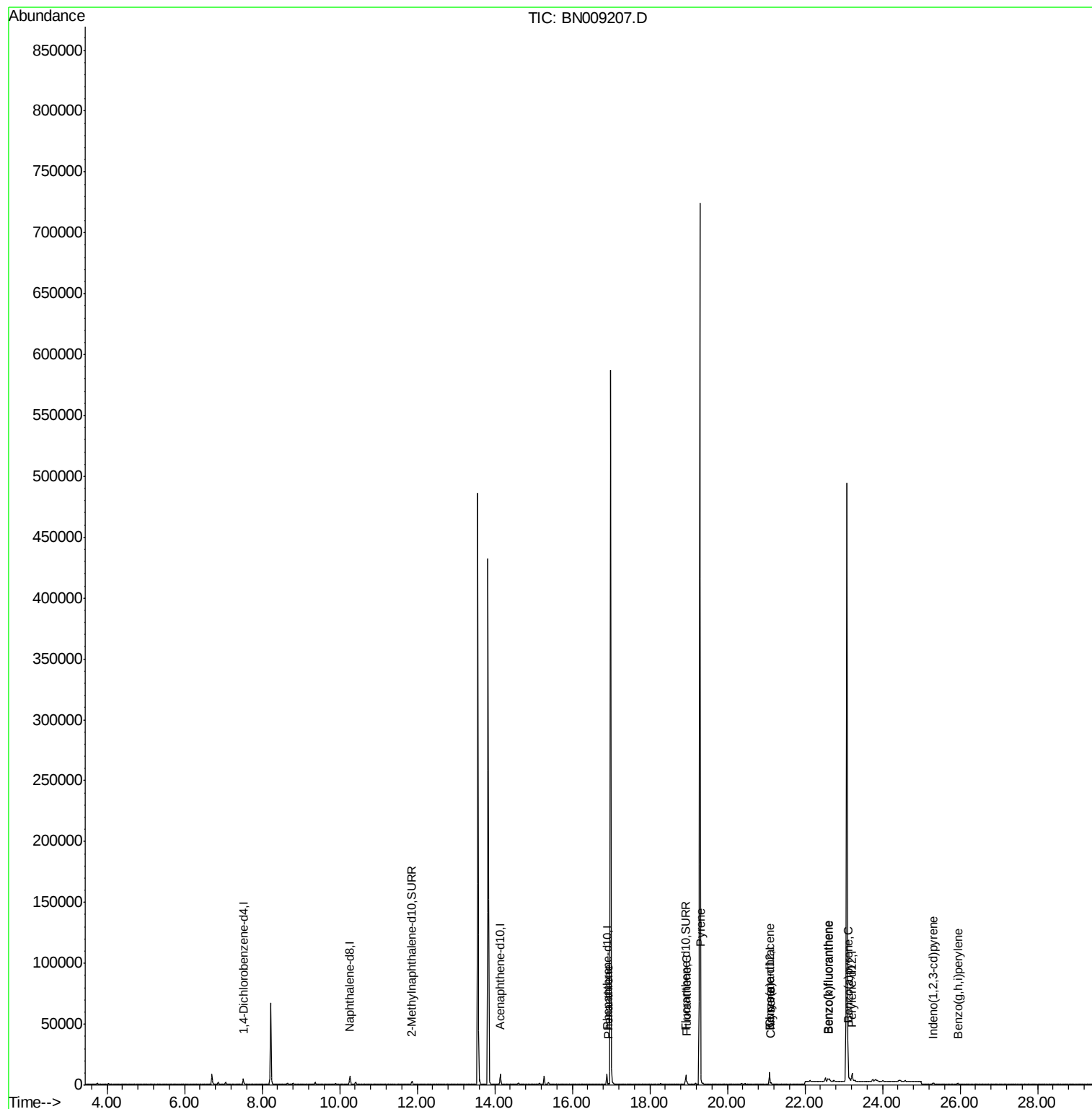
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\  
Data File : BN009207.D  
Acq On : 27 Dec 2019 22:40  
Operator : JU  
Sample : K6276-15  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

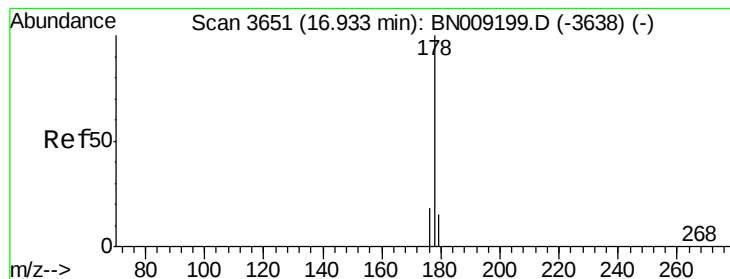
Instrument :  
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C0C63

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Quant Time: Dec 27 23:33:05 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 27 23:08:48 2019  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.022 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BN009207.D

Acq: 27 Dec 2019 22:40

Instrument :

BNA\_N

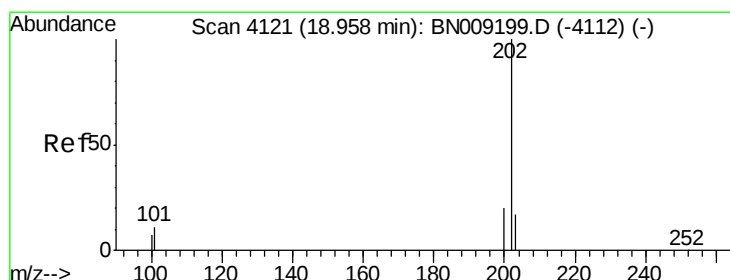
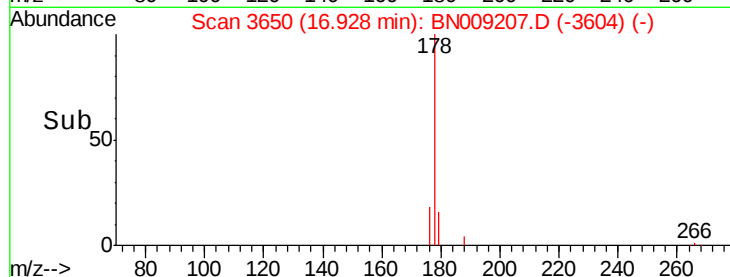
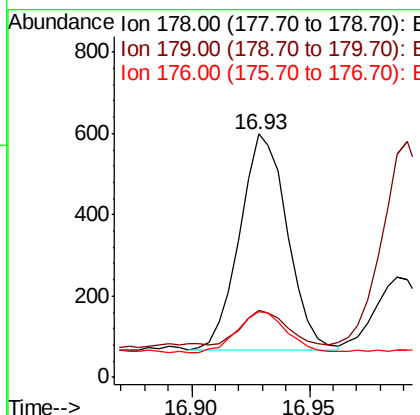
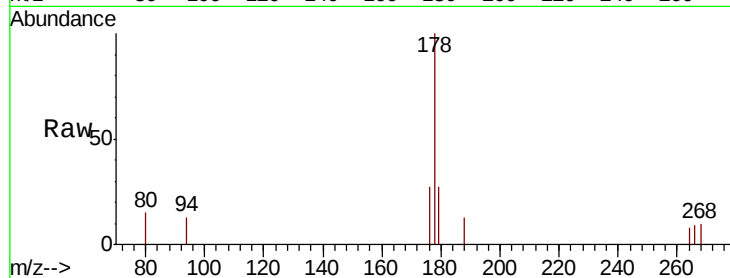
ClientSampleId :

C0C63

|             |       |            |
|-------------|-------|------------|
| Tot Ion:178 | Resp: | 749        |
| Ion Ratio   | Lower | Upper      |
| 178         | 100   |            |
| 179         | 27.4  | 12.3 18.5# |
| 176         | 27.0  | 15.1 22.7# |

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#15

Fluoranthene

Concen: 0.058 ng/ul

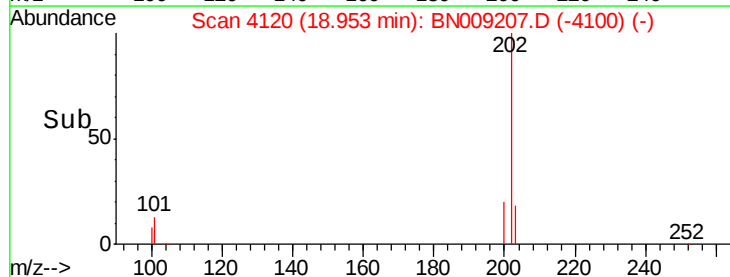
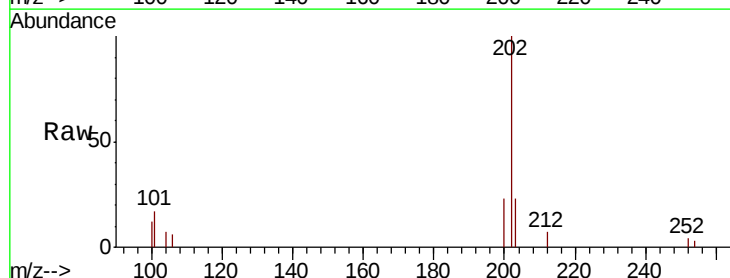
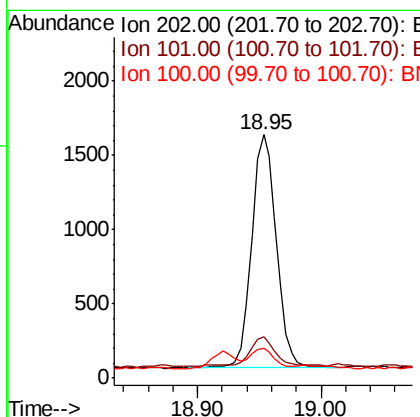
RT: 18.95 min Scan# 4120

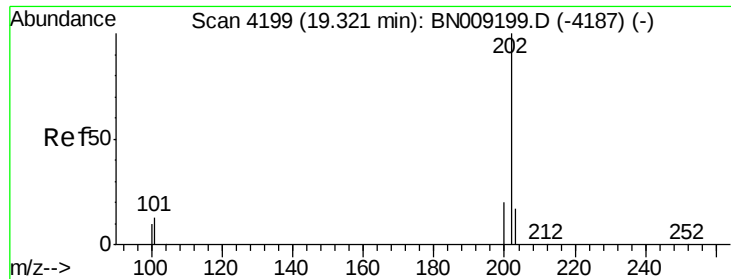
Delta R.T. -0.00 min

Lab File: BN009207.D

Acq: 27 Dec 2019 22:40

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 2220     |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 17.1  | 0.0 31.5 |
| 100         | 12.5  | 0.0 28.9 |





#17

Pvrene

Concen: 0.045 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. -0.00 min

Lab File: BN009207.D

Acq: 27 Dec 2019 22:40

Instrument :

BNA\_N

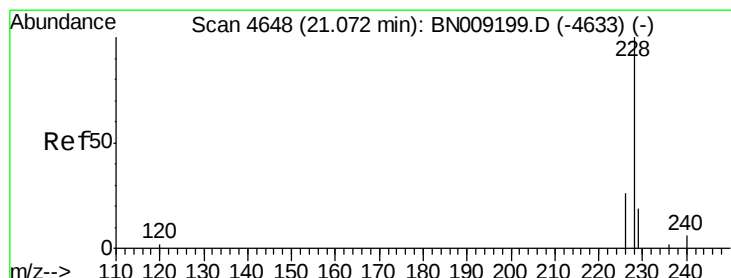
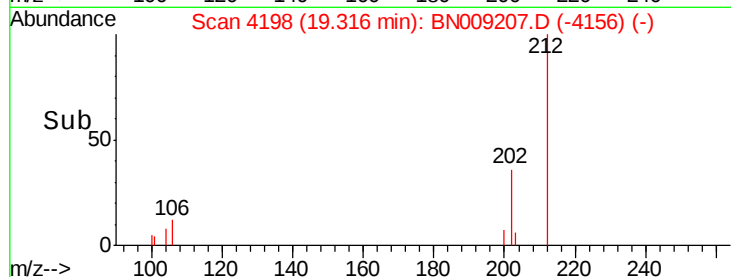
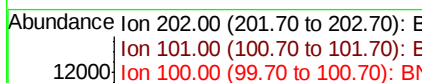
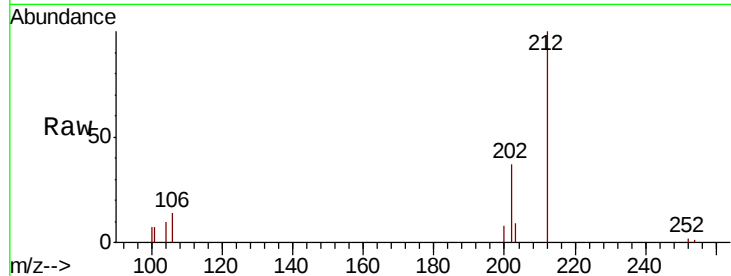
ClientSampleId :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 1864  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 17.9  | 10.9  | 16.3# |
| 100       | 17.7  | 9.0   | 13.6# |

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#18

Benzo(a)anthracene

Concen: 0.034 ng/ul

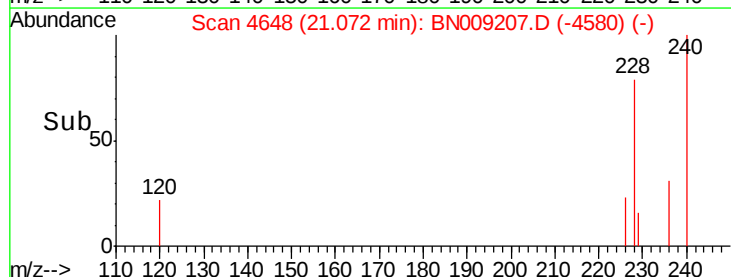
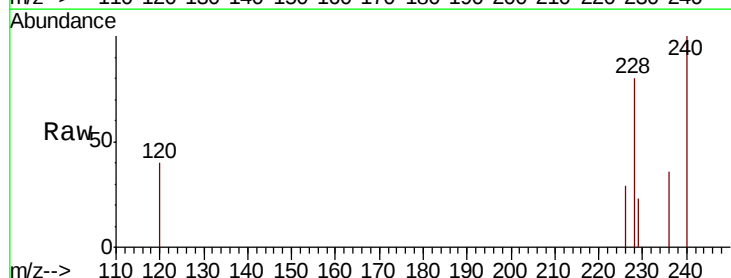
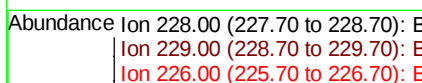
RT: 21.07 min Scan# 4648

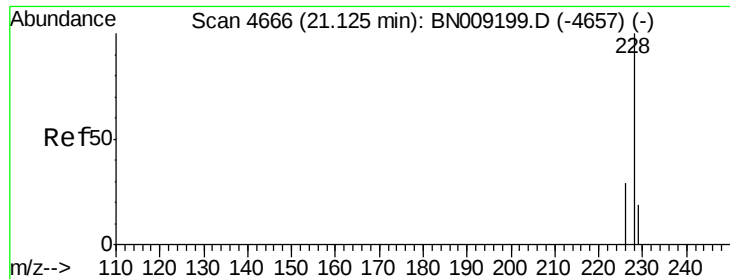
Delta R.T. -0.00 min

Lab File: BN009207.D

Acq: 27 Dec 2019 22:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 1212  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 28.7  | 15.5  | 23.3# |
| 226       | 35.5  | 21.7  | 32.5# |





#19

Chrysene

Concen: 0.043 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009207.D

Acq: 27 Dec 2019 22:40

Instrument :

BNA\_N

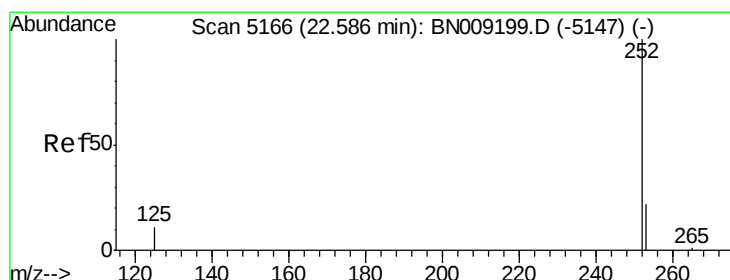
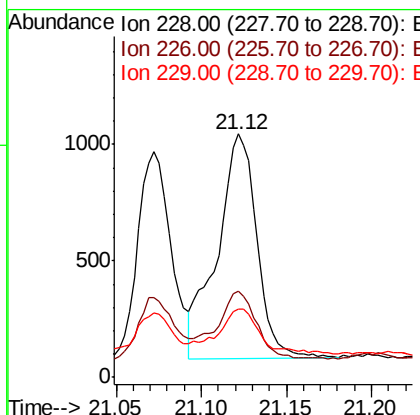
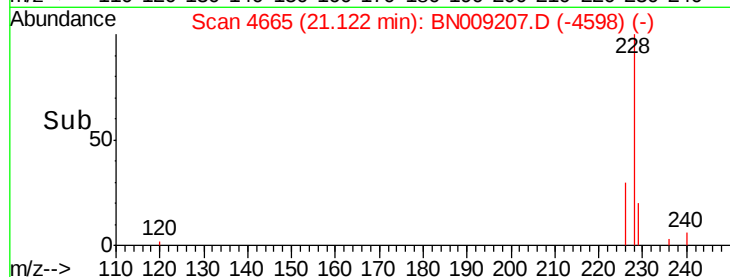
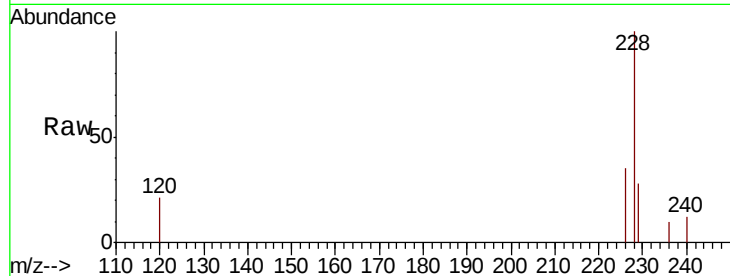
ClientSampleId :

C0C63

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 1550  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 35.4  | 23.7  | 35.5  |
| 229       | 27.8  | 15.4  | 23.0# |

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#21

Benzo(b)fluoranthene

Concen: 0.074 ng/ul

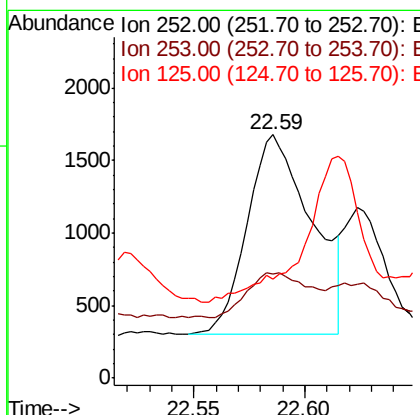
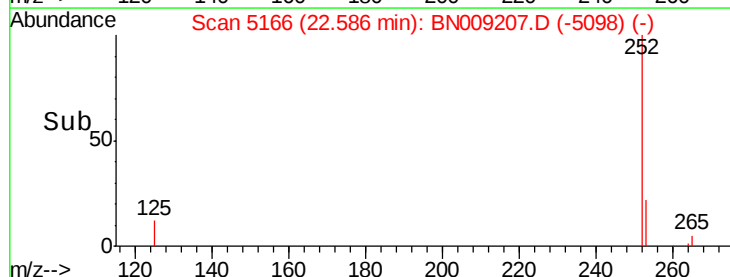
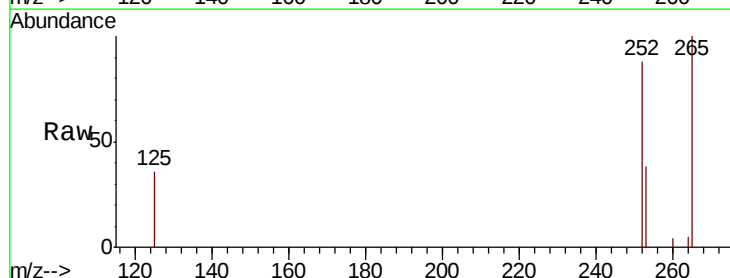
RT: 22.59 min Scan# 5166

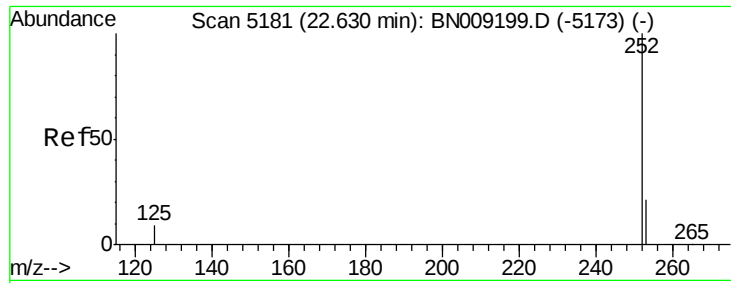
Delta R.T. -0.00 min

Lab File: BN009207.D

Acq: 27 Dec 2019 22:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 2775  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 43.0  | 0.0   | 48.2  |
| 125       | 40.8  | 0.0   | 30.0# |





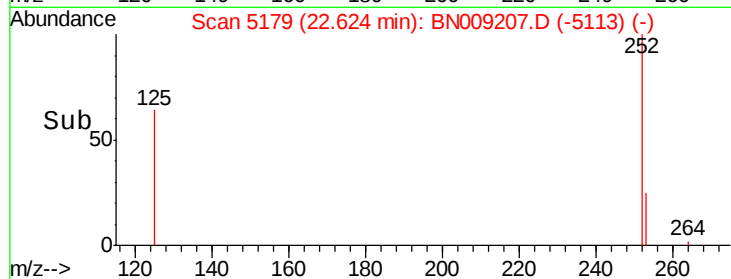
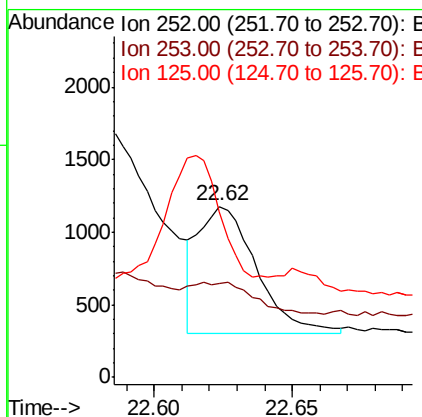
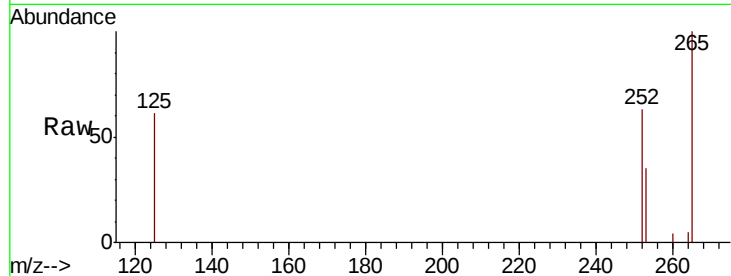
#22  
Benzo(k)fluoranthene  
Concen: 0.034 ng/ul m  
RT: 22.62 min Scan# 5179  
Delta R.T. -0.01 min  
Lab File: BN009207.D  
Acq: 27 Dec 2019 22:40

Instrument :  
BNA\_N  
ClientSampleId :  
C0C63

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 54.9  | 19.4  | 29.0# |
| 125     | 96.6  | 12.4  | 18.6# |

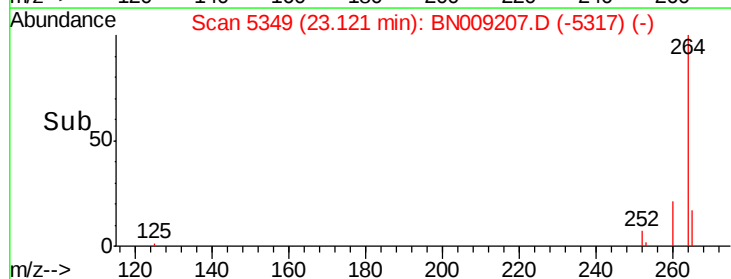
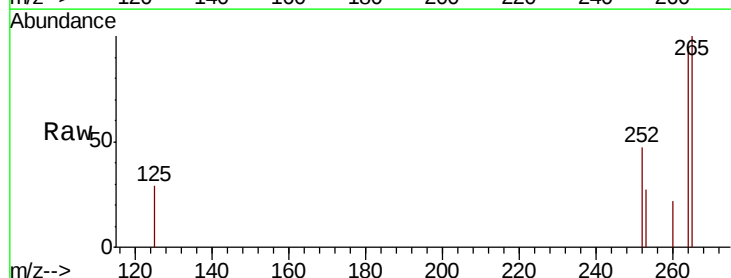
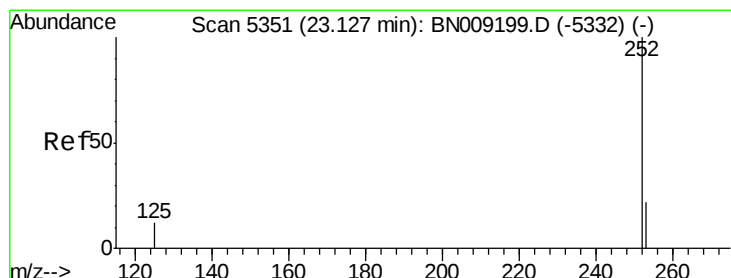
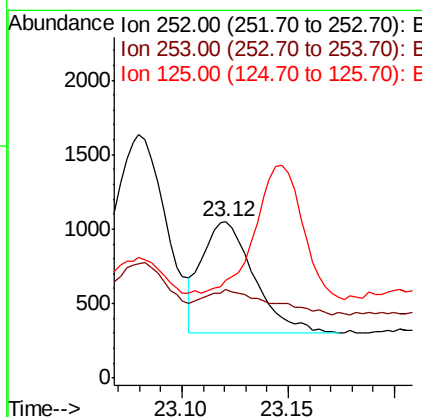
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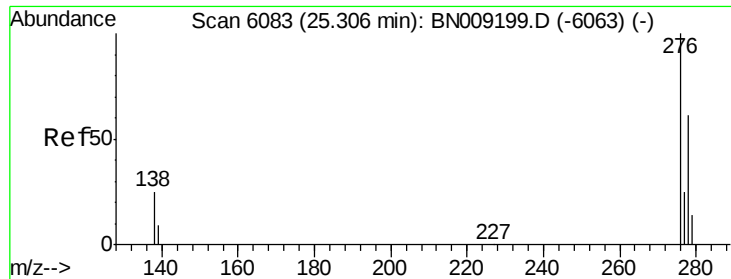
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#23  
Benzo(a)pyrene  
Concen: 0.038 ng/ul  
RT: 23.12 min Scan# 5349  
Delta R.T. -0.01 min  
Lab File: BN009207.D  
Acq: 27 Dec 2019 22:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 57.0  | 20.2  | 30.4# |
| 125     | 62.3  | 13.2  | 19.8# |





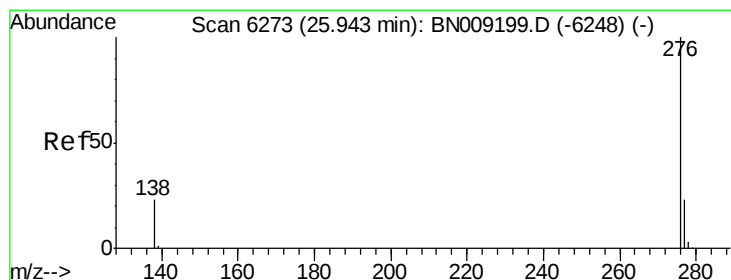
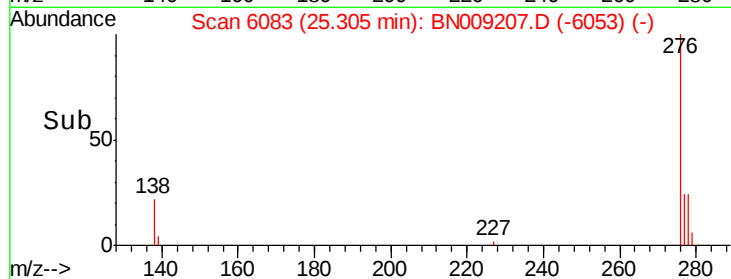
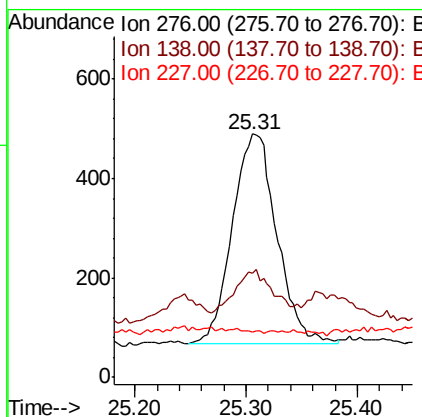
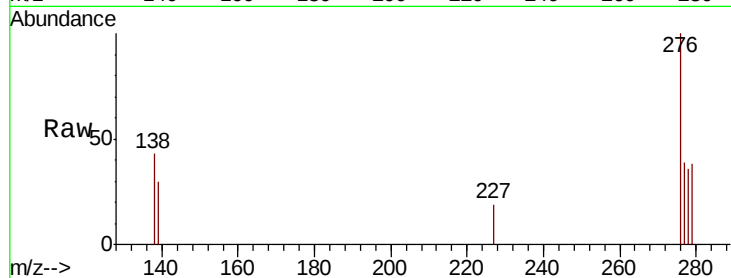
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.032 ng/ul  
 RT: 25.31 min Scan# 6083  
 Delta R.T. -0.00 min  
 Lab File: BN009207.D  
 Acq: 27 Dec 2019 22:40

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0C63

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 18.7  | 22.4  | 33.6# |
| 227     | 0.4   | 0.2   | 0.4#  |

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#26  
 Benzo(g,h,i)perylene  
 Concen: 0.038 ng/ul  
 RT: 25.94 min Scan# 6272  
 Delta R.T. -0.00 min  
 Lab File: BN009207.D  
 Acq: 27 Dec 2019 22:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 43.9  | 20.6  | 30.8# |
| 277     | 40.5  | 19.6  | 29.4# |

