

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120320\  
 Data File : BN012862.D  
 Acq On : 04 Dec 2020 00:20  
 Operator : CG/JU  
 Sample : L4865-06DL 5X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B88DL

Manual Integrations  
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 12/7/2020 8:51:47 AM

Quant Time: Dec 04 01:04:43 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 04 00:14:34 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.40  | 152  | 699      | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.16 | 136  | 2697     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.07 | 164  | 1565     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.82 | 188  | 3302     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.04 | 240  | 2803     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.14 | 264  | 2811     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.79 | 152  | 104      | 0.03   | ng/ul  | 0.01     |
| 14) Fluoranthene-d10        | 18.86 | 212  | 269      | 0.03   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 16.86 | 178  | 3353     | 0.303  | ng/ul  | 99       |
| 13) Anthracene              | 16.95 | 178  | 319      | 0.034  | ng/ul# | 68       |
| 15) Fluoranthene            | 18.89 | 202  | 11833    | 0.899  | ng/ul  | 95       |
| 17) Pyrene                  | 19.26 | 202  | 11138    | 0.841  | ng/ul  | 100      |
| 18) Benzo(a)anthracene      | 21.02 | 228  | 4255     | 0.367  | ng/ul  | 97       |
| 19) Chrysene                | 21.07 | 228  | 5880     | 0.459  | ng/ul  | 98       |
| 21) Benzo(b)fluoranthene    | 22.52 | 252  | 7106m    | 0.546  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.56 | 252  | 2733m    | 0.190  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.05 | 252  | 4547     | 0.377  | ng/ul  | 98       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.20 | 276  | 3369     | 0.213  | ng/ul# | 56       |
| 25) Dibenzo(a,h)anthracene  | 25.21 | 278  | 801      | 0.064  | ng/ul# | 60       |
| 26) Benzo(g,h,i)perylene    | 25.83 | 276  | 3138     | 0.219  | ng/ul  | 95       |

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

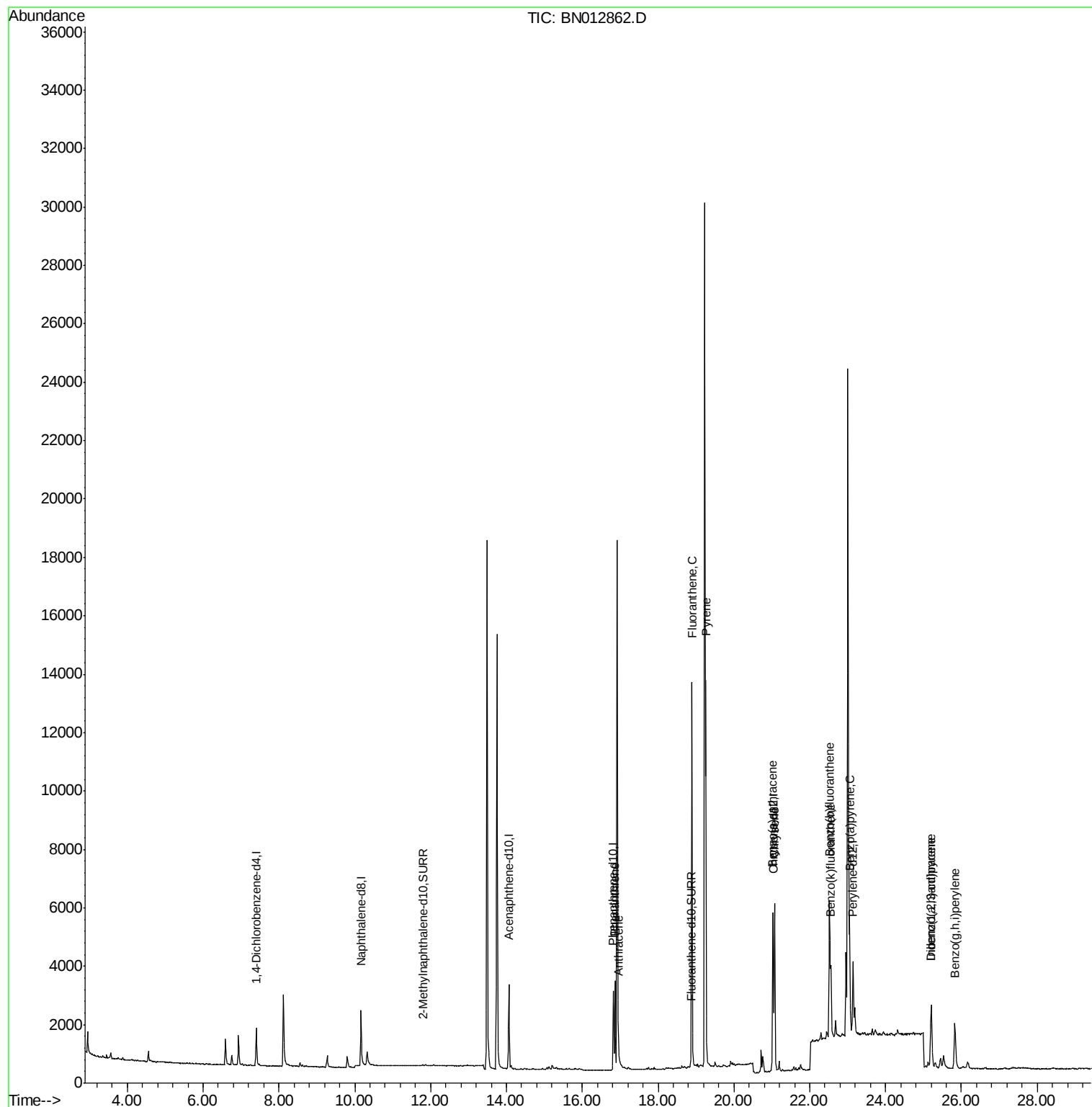
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120320\  
Data File : BN012862.D  
Acq On : 04 Dec 2020 00:20  
Operator : CG/JU  
Sample : L4865-06DL 5X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

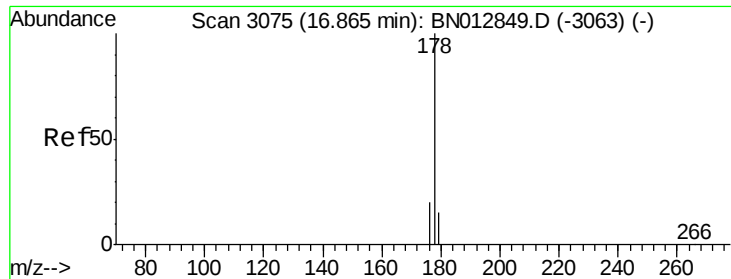
Instrument :  
BNA\_N  
ClientSampleId :  
C0B88DL

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Quant Time: Dec 04 01:04:43 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 04 00:14:34 2020  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.303 ng/ul

RT: 16.86 min Scan# 3074

Delta R.T. -0.00 min

Lab File: BN012862.D

Acq: 04 Dec 2020 00:20

Instrument :

BNA\_N

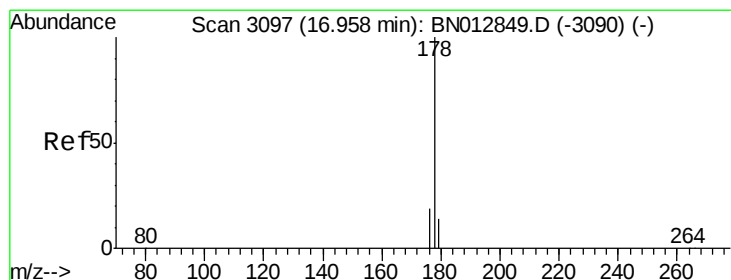
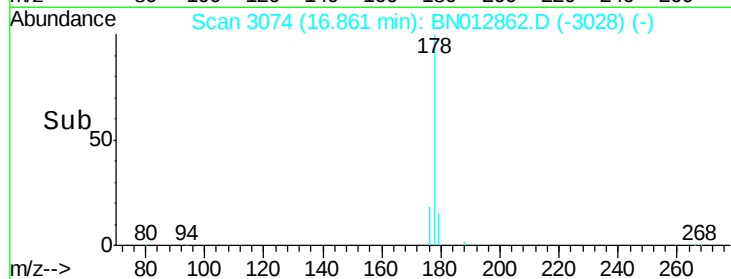
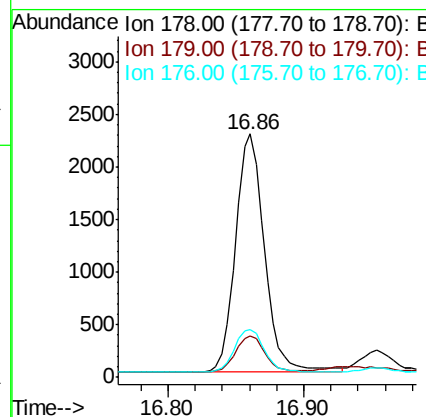
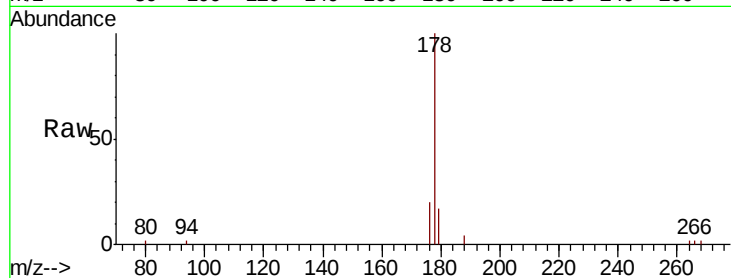
ClientSampleId :

C0B88DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 178   | Resp: | 3353 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 17.0  | 13.6  | 20.4 |
| 176       | 19.7  | 16.4  | 24.6 |

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#13

Anthracene

Concen: 0.034 ng/ul

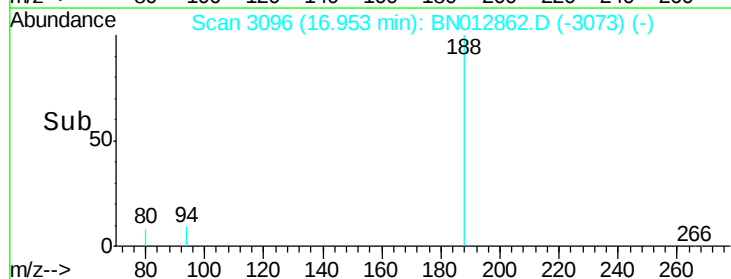
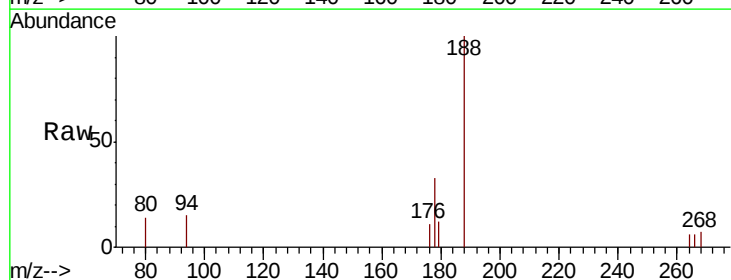
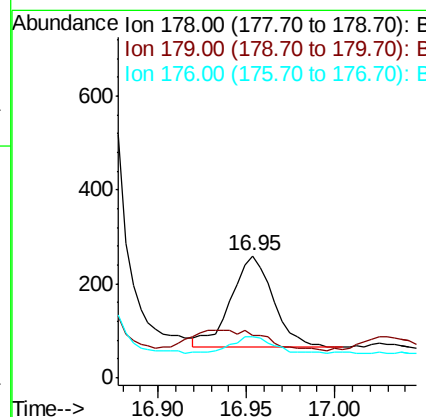
RT: 16.95 min Scan# 3096

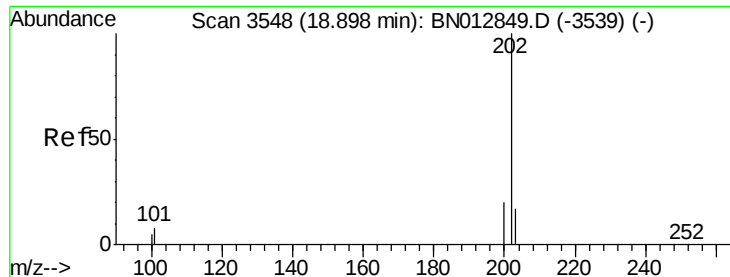
Delta R.T. -0.00 min

Lab File: BN012862.D

Acq: 04 Dec 2020 00:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 319   |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 35.0  | 14.6  | 21.8# |
| 176       | 33.8  | 17.1  | 25.7# |





#15

Fluoranthene

Concen: 0.899 ng/ul

RT: 18.89 min Scan# 3547

Delta R.T. -0.00 min

Lab File: BN012862.D

Acq: 04 Dec 2020 00:20

Instrument :

BNA\_N

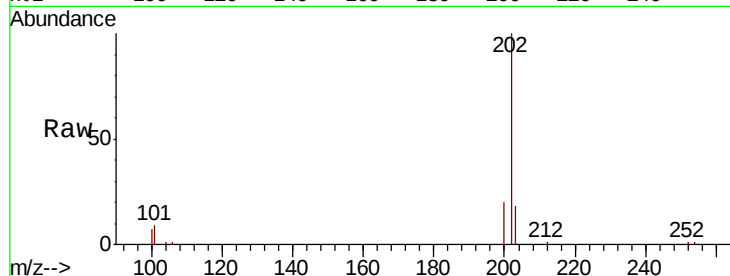
ClientSampleId :

C0B88DL

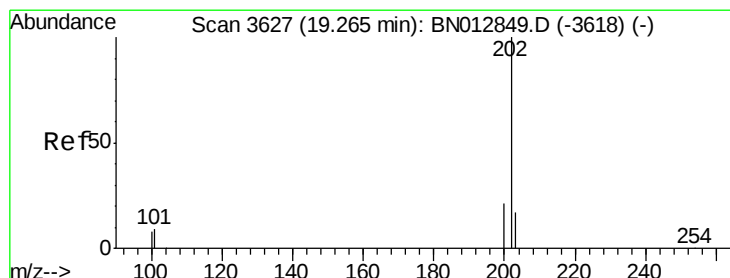
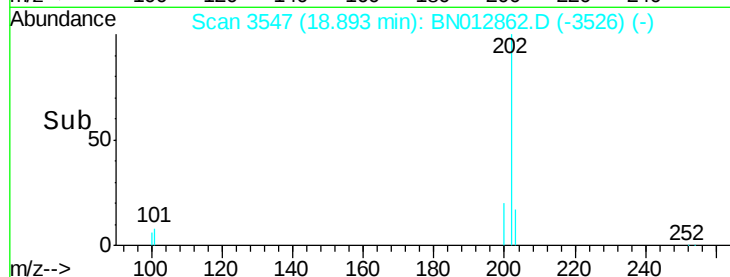
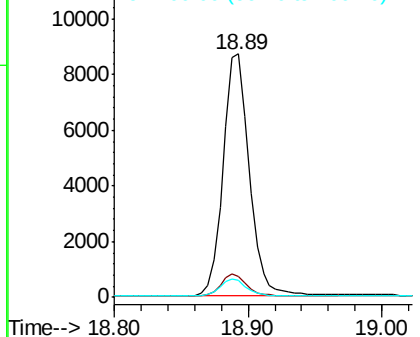
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 11833 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 8.6   | 0.0   | 30.6  |
| 100       | 6.9   | 0.0   | 28.7  |

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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: 0.841 ng/ul

RT: 19.26 min Scan# 3625

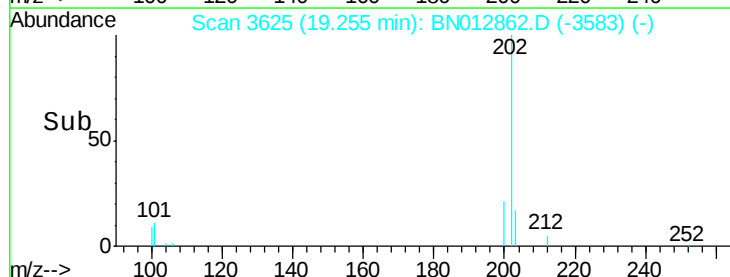
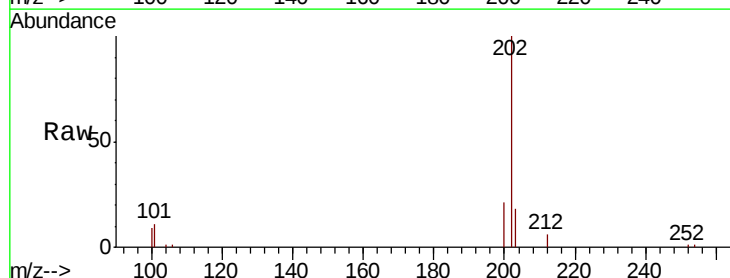
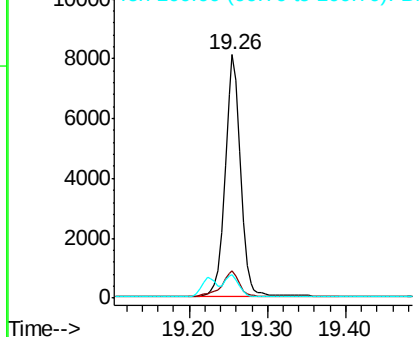
Delta R.T. -0.01 min

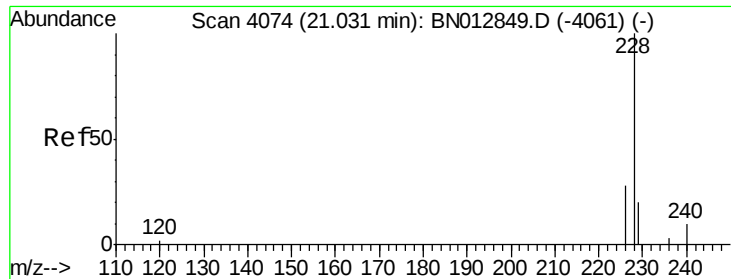
Lab File: BN012862.D

Acq: 04 Dec 2020 00:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 11138 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.3  | 9.1   | 13.7  |
| 100       | 9.4   | 7.5   | 11.3  |

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





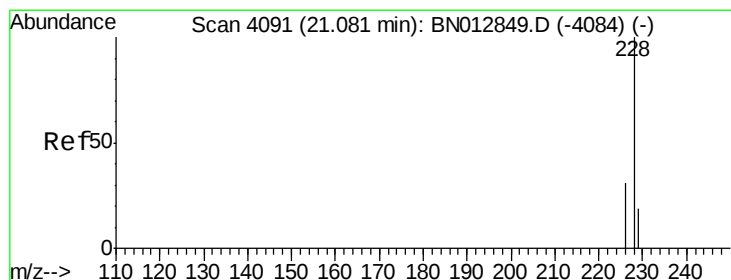
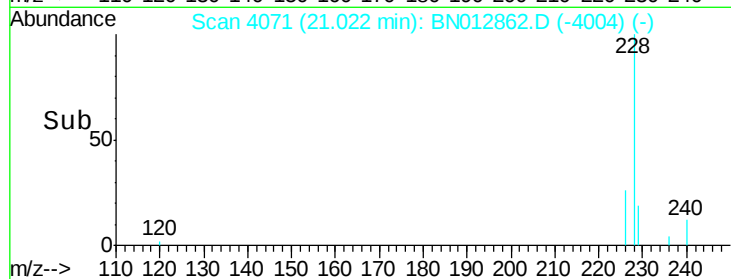
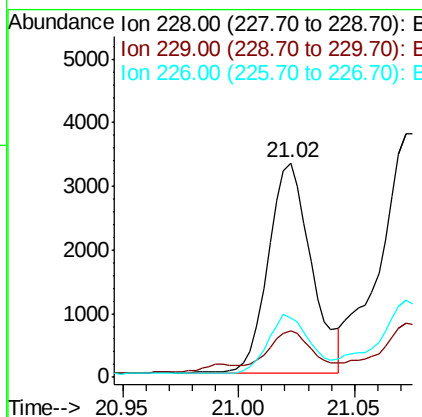
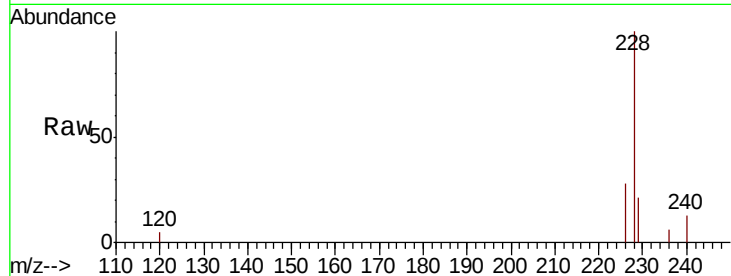
#18  
Benzo(a)anthracene  
Concen: 0.367 ng/ul  
RT: 21.02 min Scan# 4071  
Delta R.T. -0.00 min  
Lab File: BN012862.D  
Acq: 04 Dec 2020 00:20

Instrument :  
BNA\_N  
ClientSampleId :  
C0B88DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 21.4  | 16.3  | 24.5  |
| 226     | 27.8  | 23.4  | 35.2  |

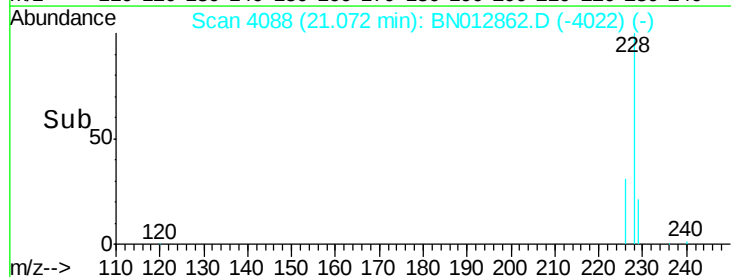
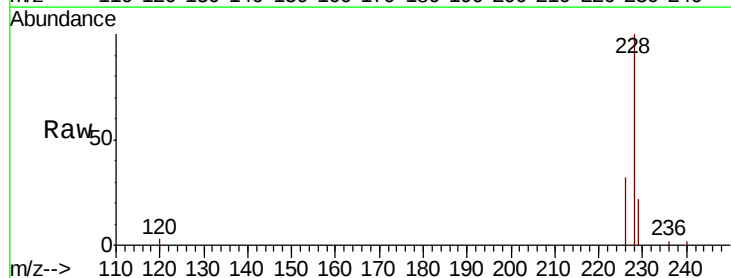
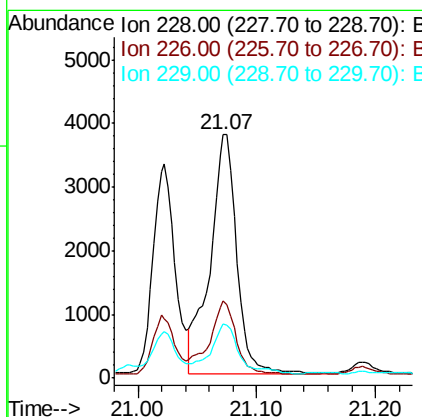
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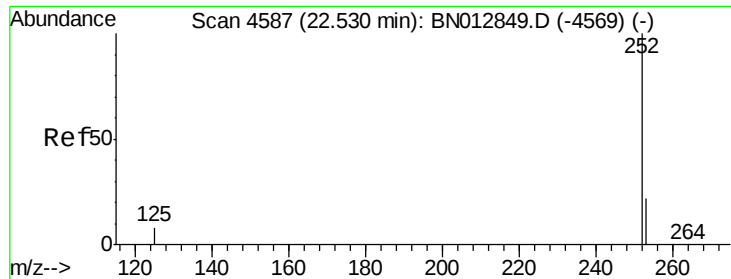
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#19  
Chrysene  
Concen: 0.459 ng/ul  
RT: 21.07 min Scan# 4088  
Delta R.T. -0.01 min  
Lab File: BN012862.D  
Acq: 04 Dec 2020 00:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.0  | 25.0  | 37.6  |
| 229     | 22.2  | 16.4  | 24.6  |





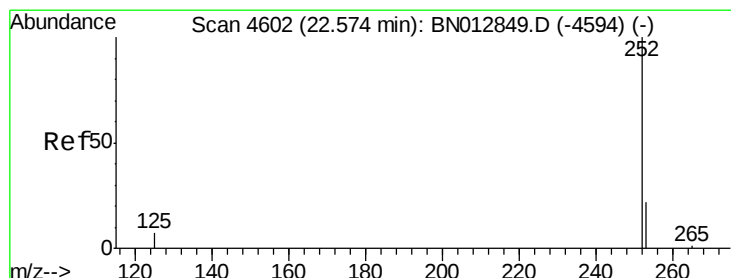
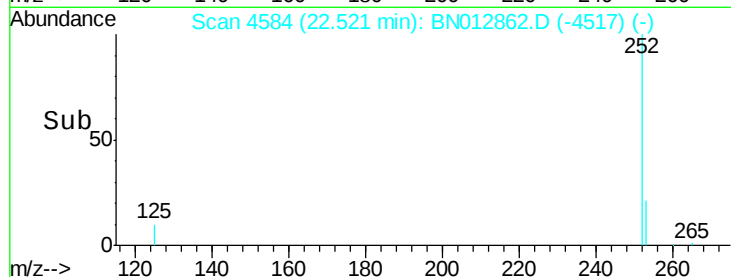
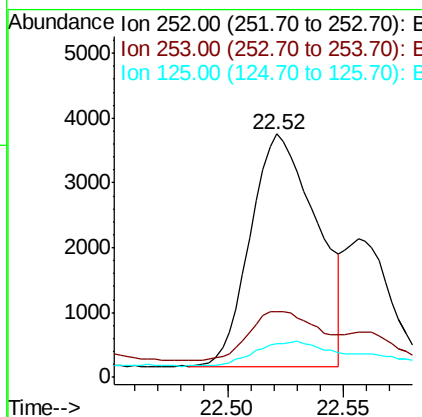
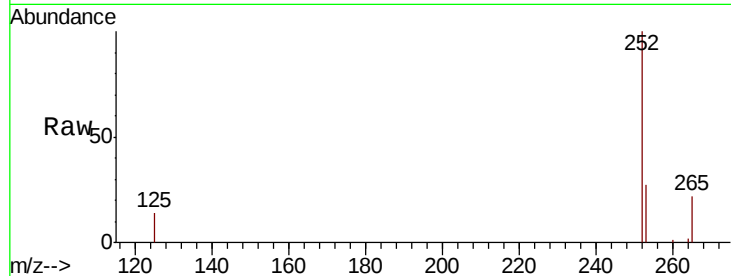
#21  
Benzo(b)fluoranthene  
Concen: 0.546 ng/ul m  
RT: 22.52 min Scan# 4584  
Delta R.T. -0.00 min  
Lab File: BN012862.D  
Acq: 04 Dec 2020 00:20

Instrument :  
BNA\_N  
ClientSampleId :  
C0B88DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.2  | 0.0   | 59.6  |
| 125     | 13.7  | 0.0   | 26.0  |

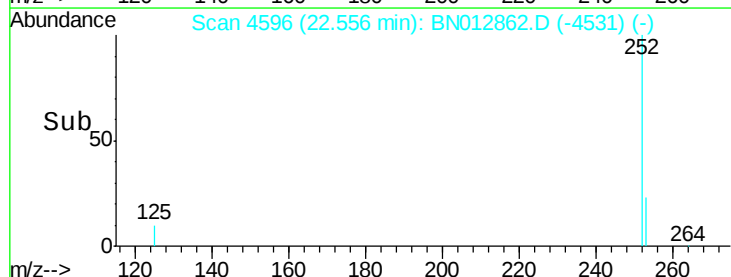
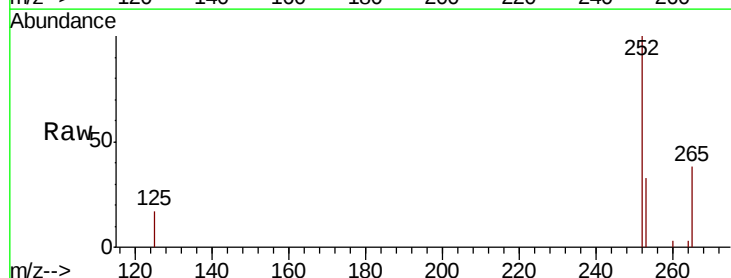
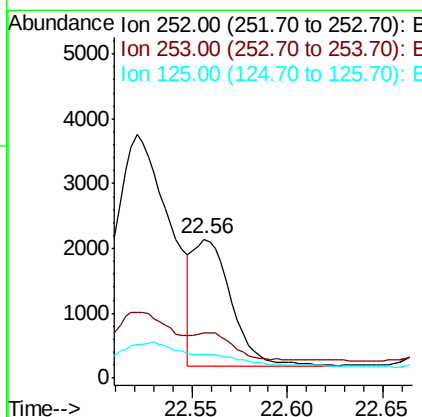
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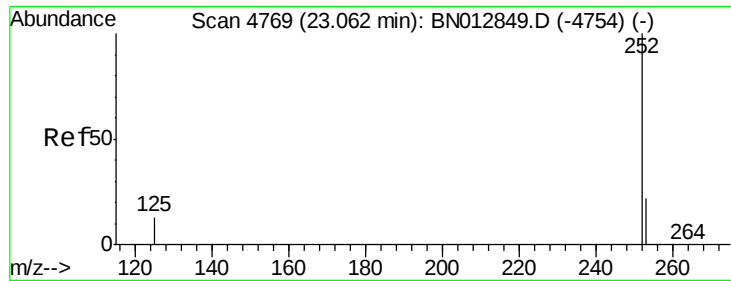
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#22  
Benzo(k)fluoranthene  
Concen: 0.190 ng/ul m  
RT: 22.56 min Scan# 4596  
Delta R.T. -0.01 min  
Lab File: BN012862.D  
Acq: 04 Dec 2020 00:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 32.7  | 23.4  | 35.2  |
| 125     | 16.9  | 11.1  | 16.7# |





#23

Benzo(a)pyrene

Concen: 0.377 ng/ul

RT: 23.05 min Scan# 4764

Delta R.T. -0.01 min

Lab File: BN012862.D

Acq: 04 Dec 2020 00:20

Instrument :

BNA\_N

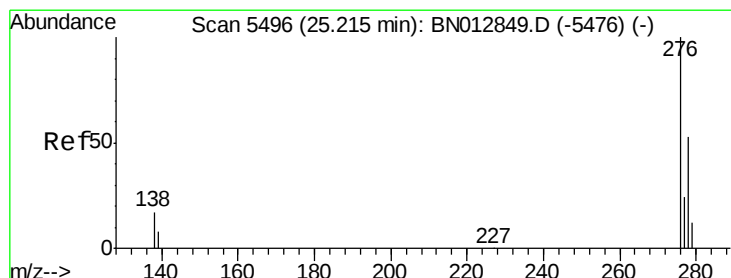
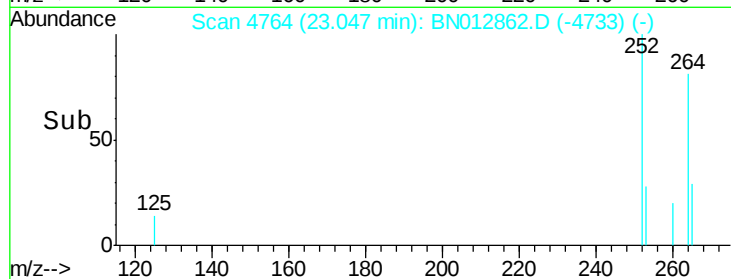
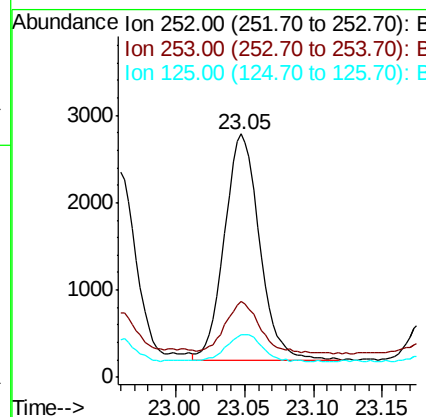
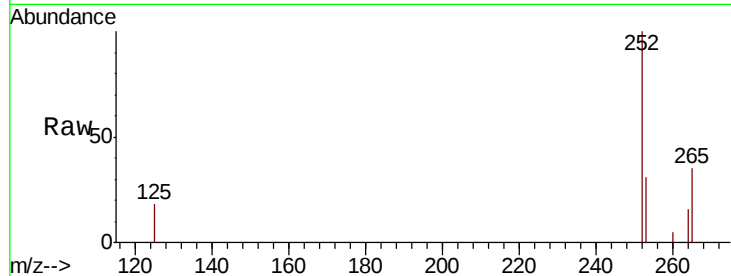
ClientSampleId :

C0B88DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 252   | Resp: | 4547 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 31.2  | 26.5  | 39.7 |
| 125       | 17.8  | 14.2  | 21.2 |

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.213 ng/ul

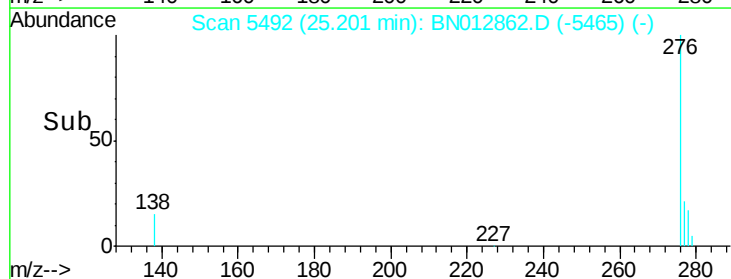
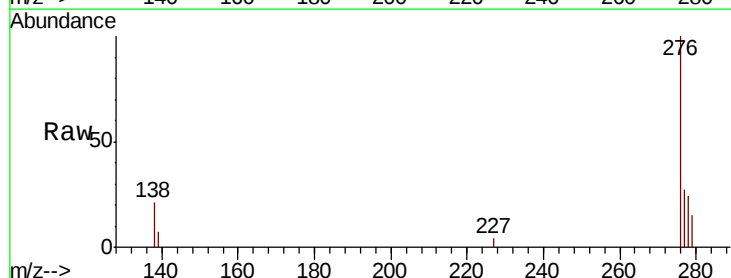
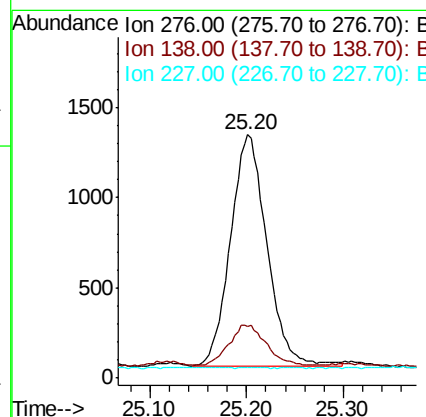
RT: 25.20 min Scan# 5492

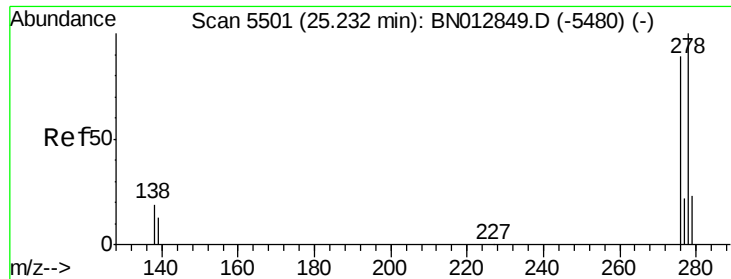
Delta R.T. -0.01 min

Lab File: BN012862.D

Acq: 04 Dec 2020 00:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 3369  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 0.0   | 16.2  | 24.2# |
| 227       | 0.1   | 0.0   | 0.0#  |





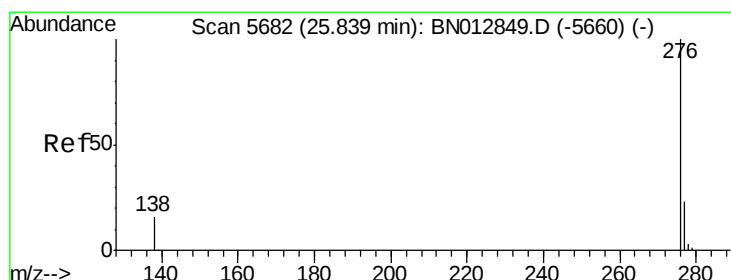
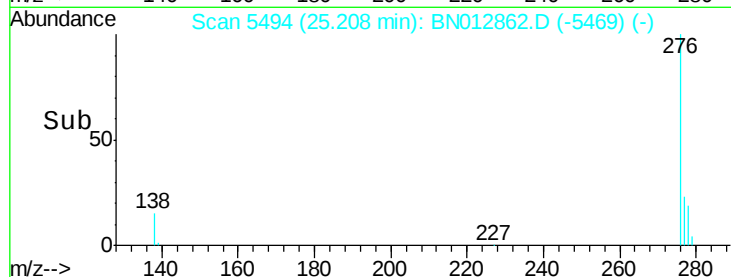
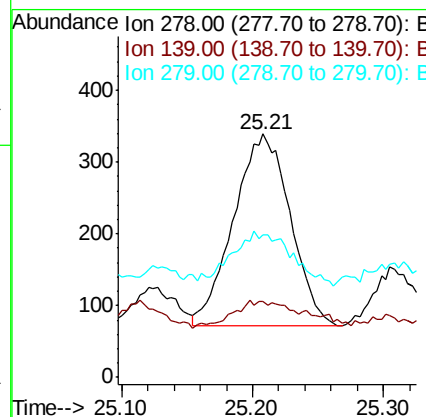
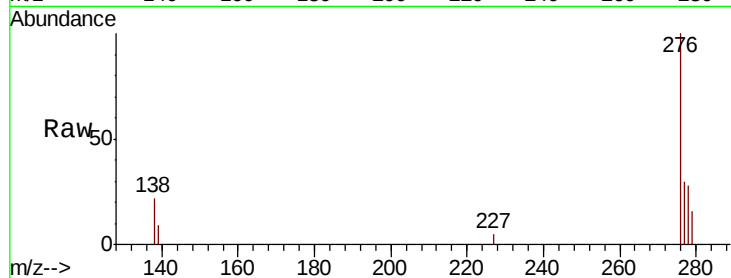
#25  
Dibenzo(a,h)anthracene  
Concen: 0.064 ng/ul  
RT: 25.21 min Scan# 5494  
Delta R.T. -0.02 min  
Lab File: BN012862.D  
Acq: 04 Dec 2020 00:20

Instrument :  
BNA\_N  
ClientSampleId :  
C0B88DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 31.3  | 14.5  | 21.7# |
| 279     | 58.7  | 26.3  | 39.5# |

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#26  
Benzo(g,h,i)perylene  
Concen: 0.219 ng/ul  
RT: 25.83 min Scan# 5679  
Delta R.T. -0.01 min  
Lab File: BN012862.D  
Acq: 04 Dec 2020 00:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.9  | 16.3  | 24.5  |
| 277     | 29.4  | 21.8  | 32.6  |

