

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\  
 Data File : BN012802.D  
 Acq On : 02 Dec 2020 03:53  
 Operator : CG/JU  
 Sample : L4793-16  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B43

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Quant Time: Dec 02 05:17:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 05:08:42 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.42  | 152  | 983      | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.18 | 136  | 3997     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.08 | 164  | 2379     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.83 | 188  | 5160     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.05 | 240  | 4443     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.16 | 264  | 4819     | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.79 | 152  | 713      | 0.12   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.87 | 212  | 1738     | 0.13   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 16.87 | 178  | 2930     | 0.163  | ng/ul  | 100      |
| 13) Anthracene              | 16.96 | 178  | 466      | 0.030  | ng/ul# | 76       |
| 15) Fluoranthene            | 18.91 | 202  | 11765    | 0.568  | ng/ul  | 97       |
| 17) Pyrene                  | 19.27 | 202  | 11580    | 0.583  | ng/ul  | 98       |
| 18) Benzo(a)anthracene      | 21.03 | 228  | 5670     | 0.356  | ng/ul  | 100      |
| 19) Chrysene                | 21.08 | 228  | 7316     | 0.368  | ng/ul  | 98       |
| 21) Benzo(b)fluoranthene    | 22.54 | 252  | 10697m   | 0.483  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.57 | 252  | 3954m    | 0.155  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.07 | 252  | 6964     | 0.334  | ng/ul  | 92       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.23 | 276  | 5586     | 0.205  | ng/ul# | 98       |
| 25) Dibenzo(a,h)anthracene  | 25.24 | 278  | 1295     | 0.059  | ng/ul# | 70       |
| 26) Benzo(g,h,i)perylene    | 25.86 | 276  | 5365     | 0.218  | ng/ul  | 98       |

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

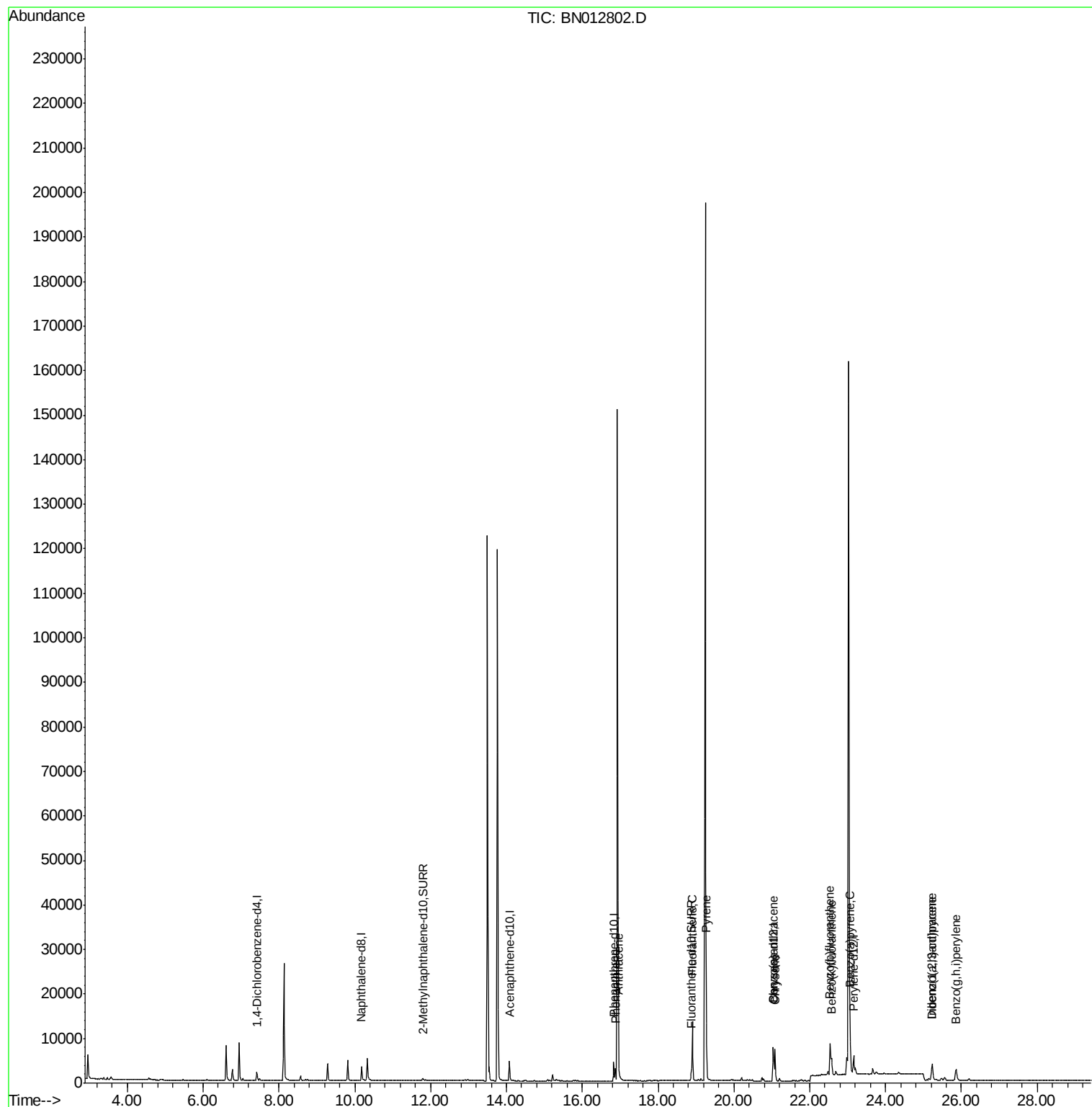
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\  
Data File : BN012802.D  
Acq On : 02 Dec 2020 03:53  
Operator : CG/JU  
Sample : L4793-16  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

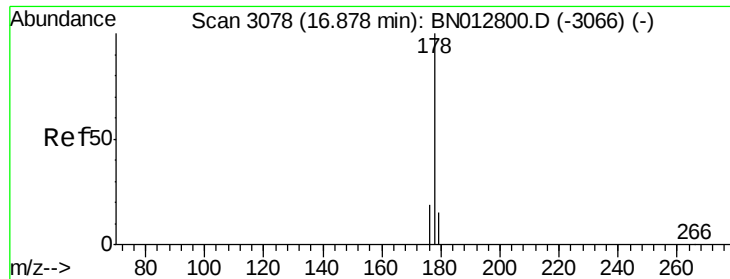
Instrument :  
BNA\_N  
ClientSampleId :  
C0B43

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Quant Time: Dec 02 05:17:39 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 02 05:08:42 2020  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.163 ng/ul

RT: 16.87 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BN012802.D

Acq: 02 Dec 2020 03:53

Instrument :

BNA\_N

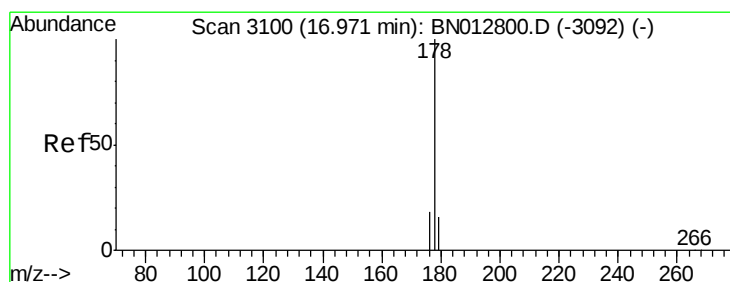
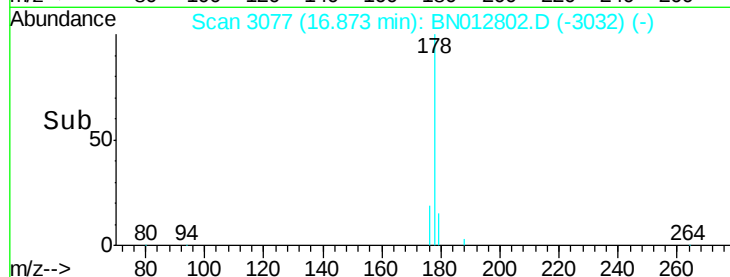
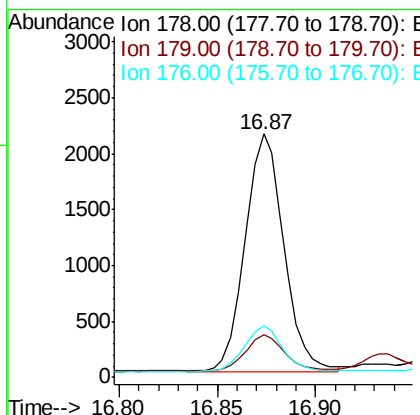
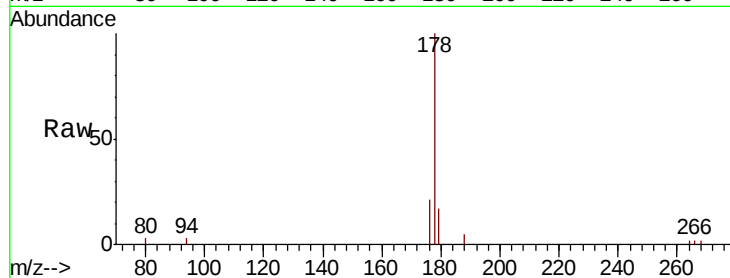
ClientSampleId :

C0B43

|             |       |       |
|-------------|-------|-------|
| Tot Ion:178 | Resp: | 2930  |
| Ion Ratio   | Lower | Upper |
| 178 100     |       |       |
| 179 17.3    | 13.8  | 20.6  |
| 176 21.2    | 16.7  | 25.1  |

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#13

Anthracene

Concen: 0.030 ng/ul

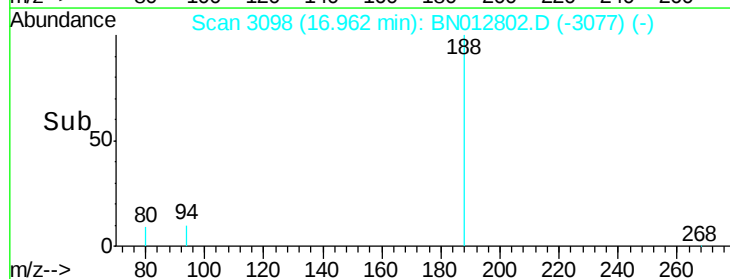
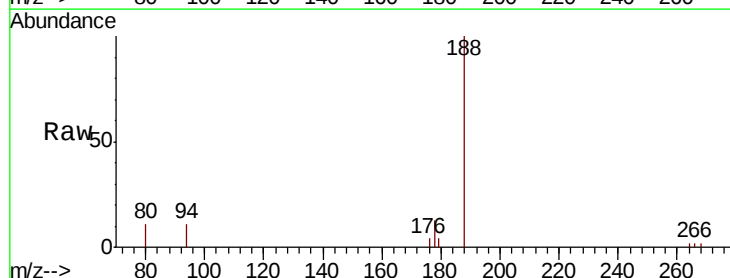
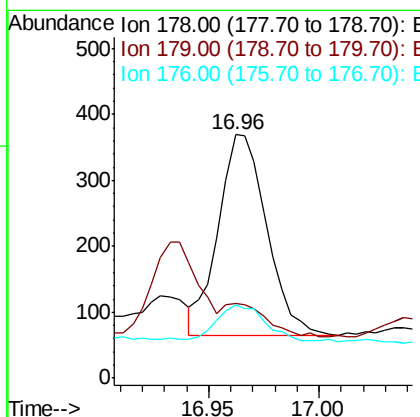
RT: 16.96 min Scan# 3098

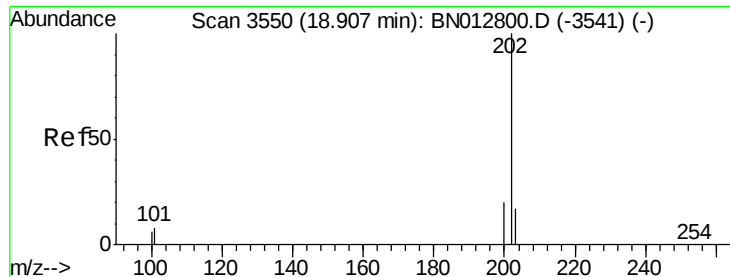
Delta R.T. -0.01 min

Lab File: BN012802.D

Acq: 02 Dec 2020 03:53

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:178 | Resp: | 466   |
| Ion Ratio   | Lower | Upper |
| 178 100     |       |       |
| 179 30.9    | 14.8  | 22.2# |
| 176 30.1    | 16.3  | 24.5# |





#15

Fluoranthene

Concen: 0.568 ng/ul

RT: 18.91 min Scan# 3550

Delta R.T. -0.00 min

Lab File: BN012802.D

Acq: 02 Dec 2020 03:53

Instrument :

BNA\_N

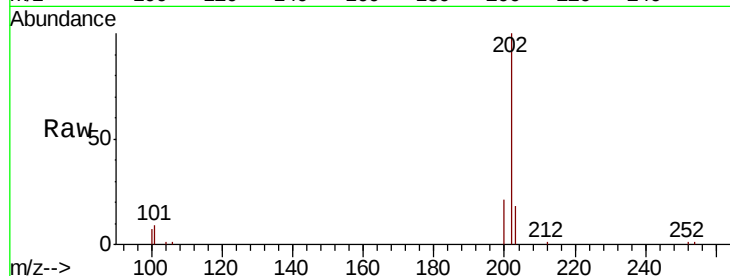
ClientSampleId :

C0B43

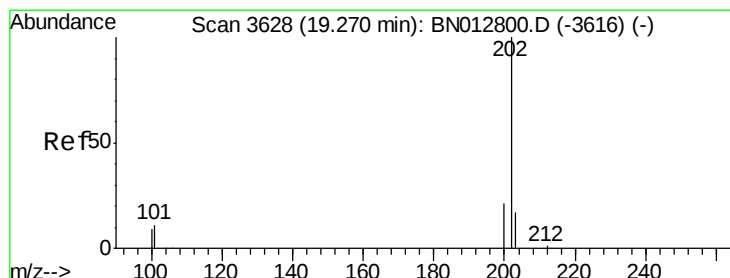
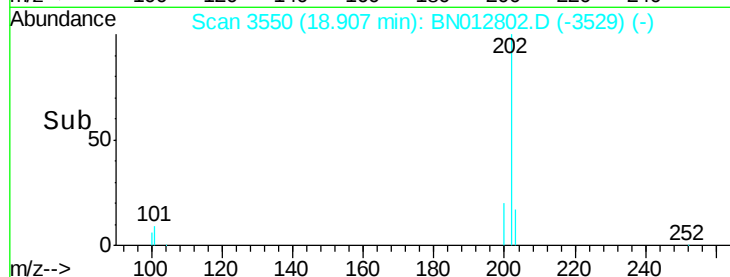
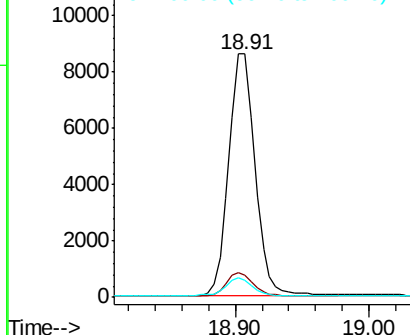
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 11765 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 9.3   | 0.0   | 30.5  |
| 100       | 7.1   | 0.0   | 28.4  |

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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: 0.583 ng/ul

RT: 19.27 min Scan# 3628

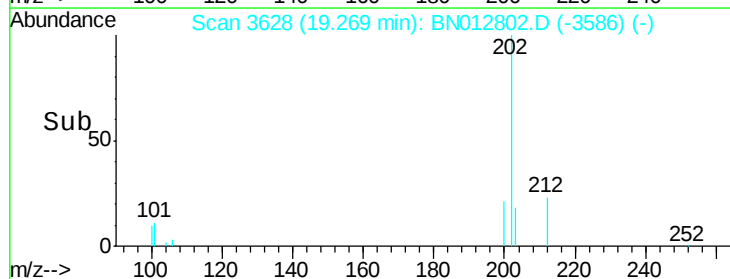
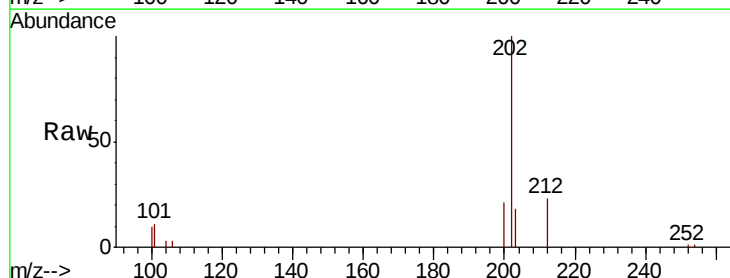
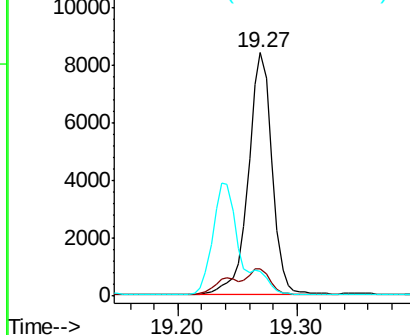
Delta R.T. -0.00 min

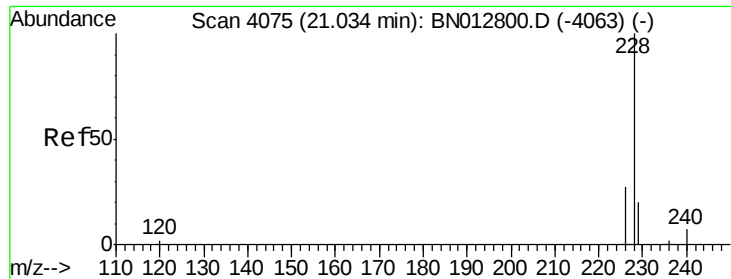
Lab File: BN012802.D

Acq: 02 Dec 2020 03:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 11580 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.3  | 8.9   | 13.3  |
| 100       | 10.4  | 7.4   | 11.2  |

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





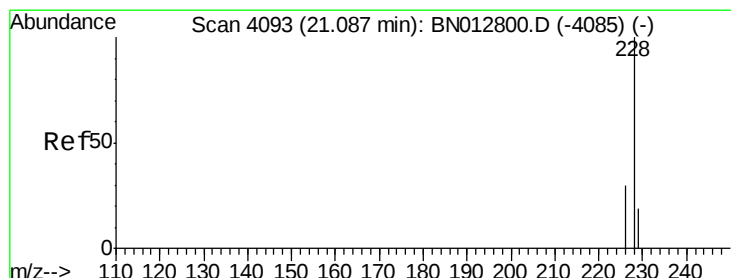
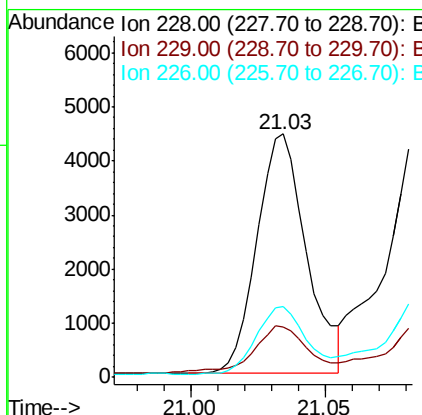
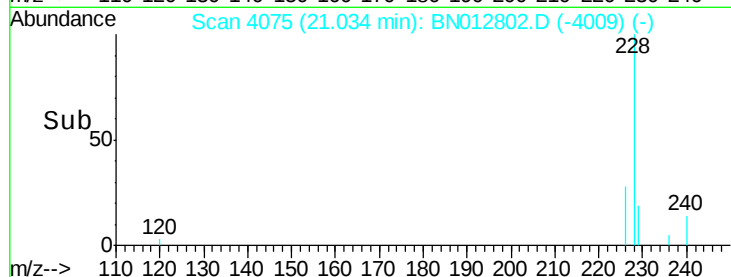
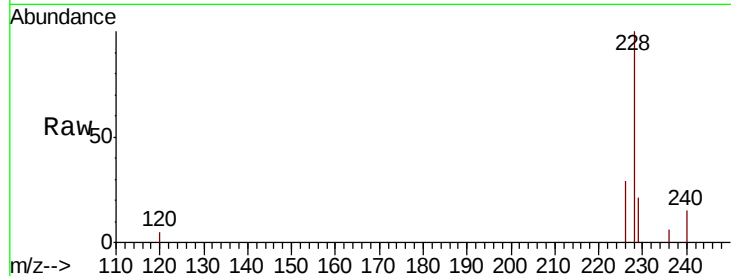
#18  
Benzo(a)anthracene  
Concen: 0.356 ng/ul  
RT: 21.03 min Scan# 4075  
Delta R.T. -0.01 min  
Lab File: BN012802.D  
Acq: 02 Dec 2020 03:53

Instrument :  
BNA\_N  
ClientSampleId :  
C0B43

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.9  | 16.9  | 25.3  |
| 226     | 28.9  | 23.1  | 34.7  |

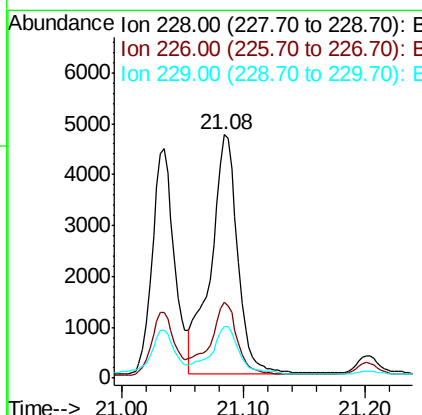
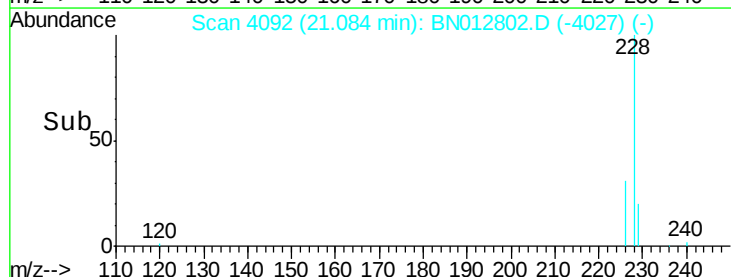
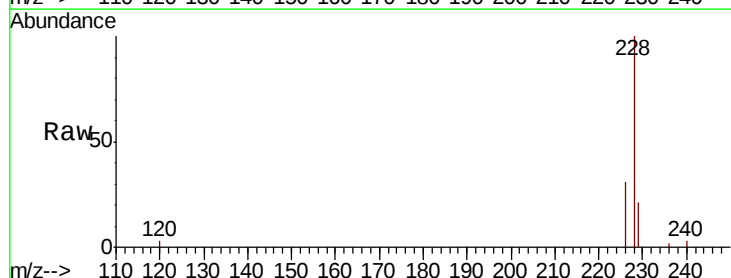
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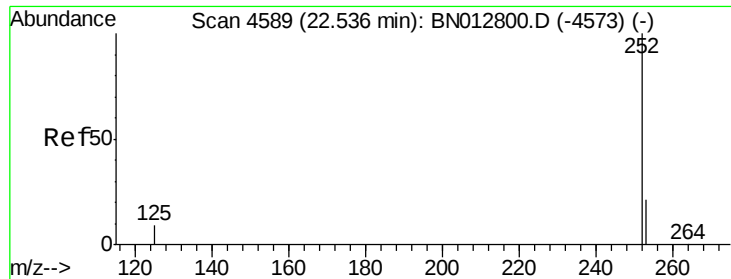
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#19  
Chrysene  
Concen: 0.368 ng/ul  
RT: 21.08 min Scan# 4092  
Delta R.T. -0.01 min  
Lab File: BN012802.D  
Acq: 02 Dec 2020 03:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.3  | 24.4  | 36.6  |
| 229     | 21.0  | 16.1  | 24.1  |





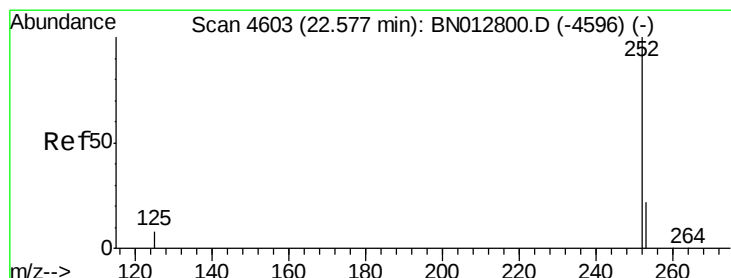
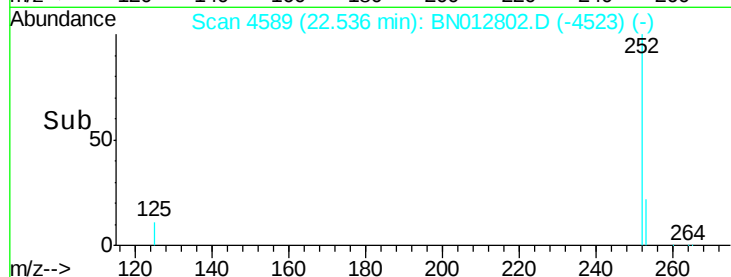
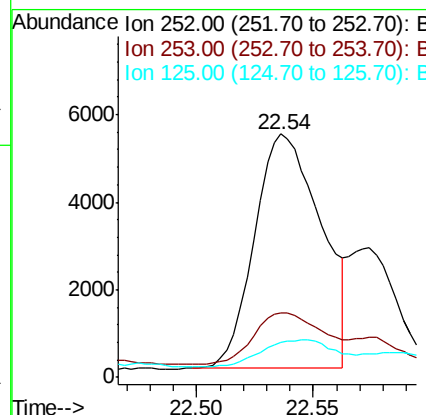
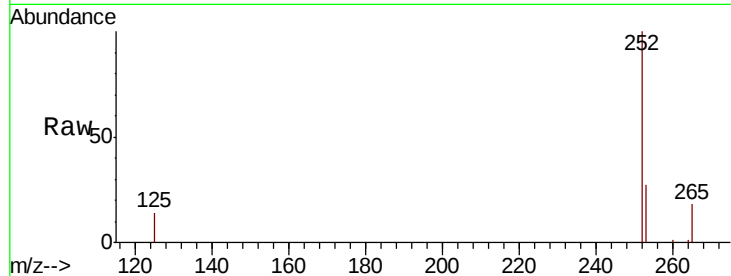
#21  
Benzo(b)fluoranthene  
Concen: 0.483 ng/ul m  
RT: 22.54 min Scan# 4589  
Delta R.T. -0.01 min  
Lab File: BN012802.D  
Acq: 02 Dec 2020 03:53

Instrument :  
BNA\_N  
ClientSampleId :  
C0B43

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.5  | 0.0   | 58.4  |
| 125     | 14.2  | 0.0   | 28.6  |

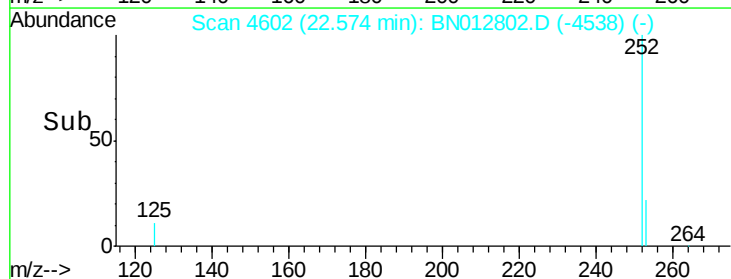
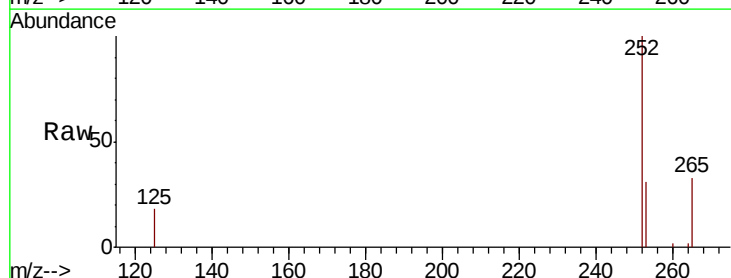
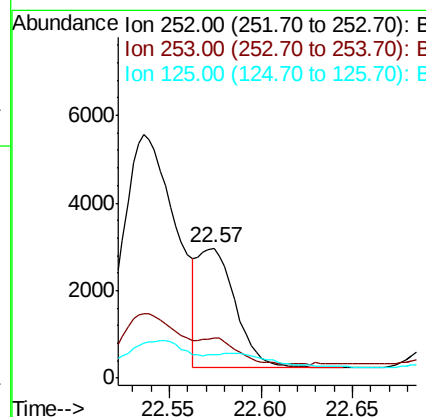
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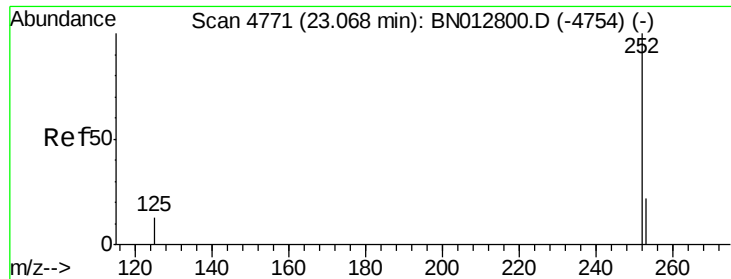
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#22  
Benzo(k)fluoranthene  
Concen: 0.155 ng/ul m  
RT: 22.57 min Scan# 4602  
Delta R.T. -0.01 min  
Lab File: BN012802.D  
Acq: 02 Dec 2020 03:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 31.0  | 23.4  | 35.2  |
| 125     | 18.1  | 10.2  | 15.2# |





#23

Benzo(a)pyrene

Concen: 0.334 ng/ul

RT: 23.07 min Scan# 4770

Delta R.T. -0.01 min

Lab File: BN012802.D

Acq: 02 Dec 2020 03:53

Instrument :

BNA\_N

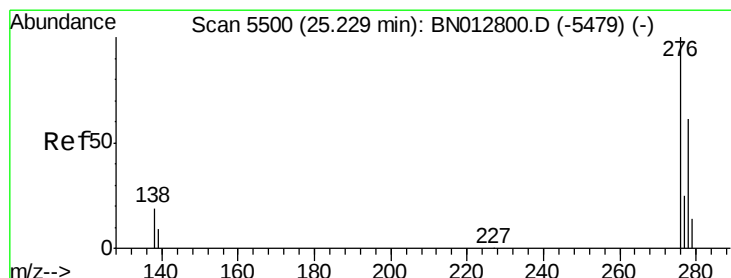
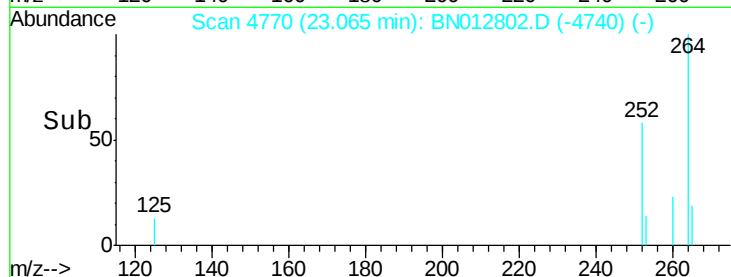
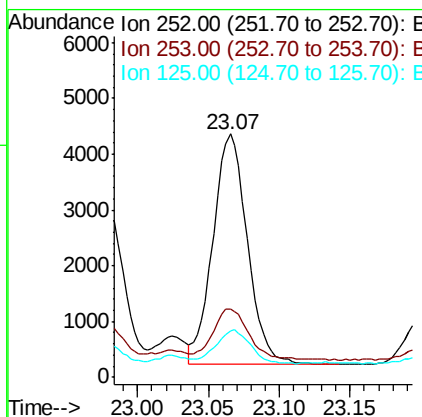
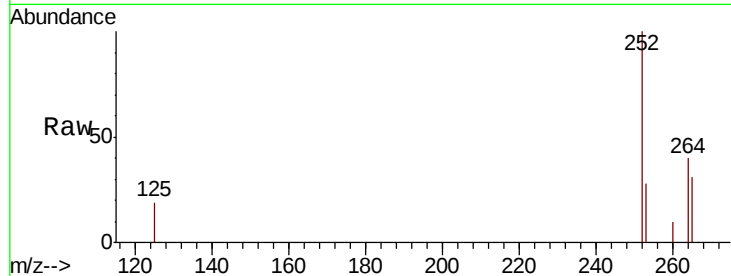
ClientSampleId :

C0B43

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 252   | Resp: | 6964  |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 28.3  | 27.6  | 41.4  |
| 125      | 19.0  | 17.0  | 25.4  |

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.205 ng/ul

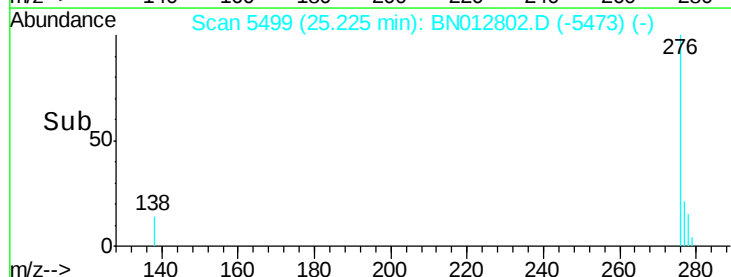
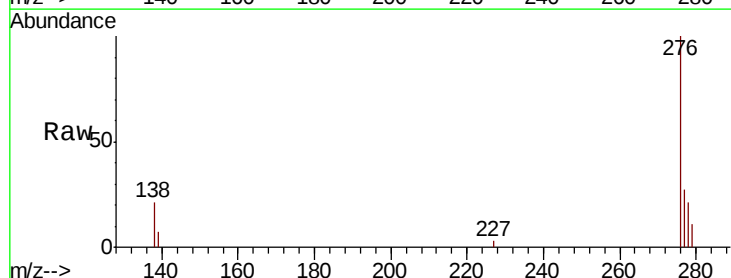
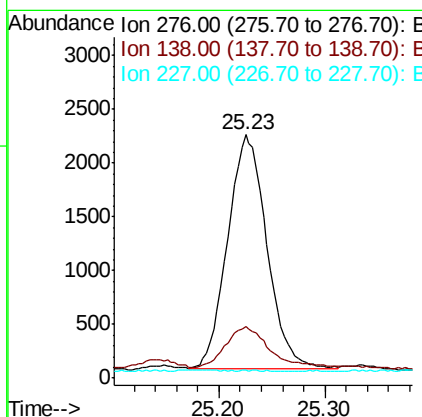
RT: 25.23 min Scan# 5499

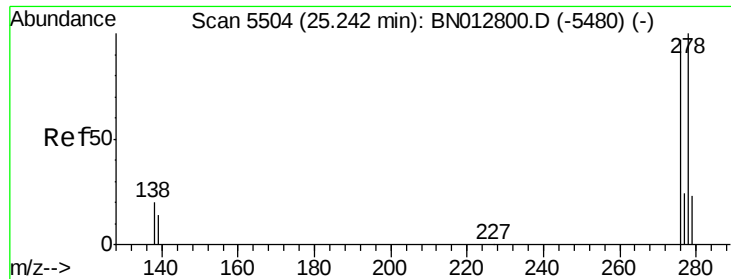
Delta R.T. -0.01 min

Lab File: BN012802.D

Acq: 02 Dec 2020 03:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 5586  |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 138      | 19.8  | 16.5  | 24.7  |
| 227      | 0.0   | 0.1   | 0.1#  |





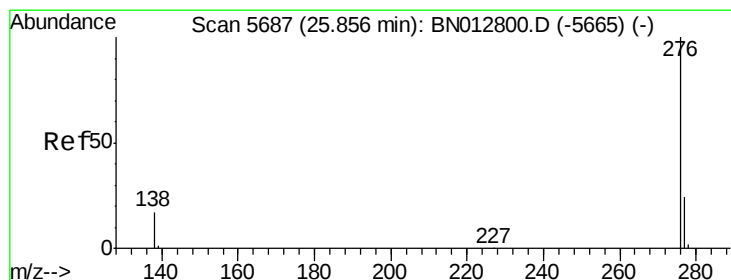
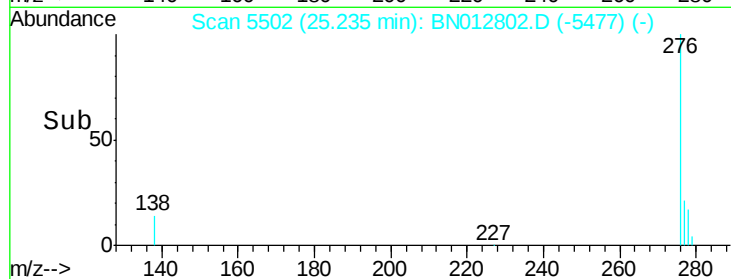
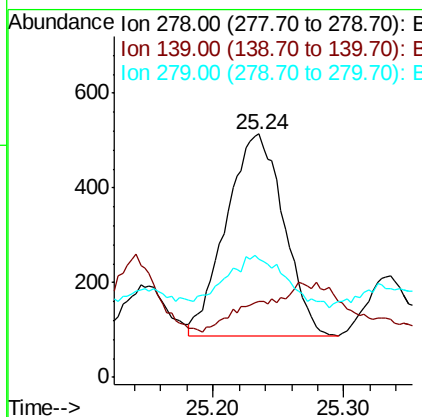
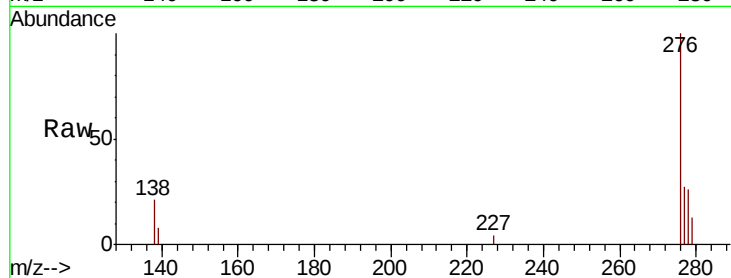
#25  
Dibenzo(a,h)anthracene  
Concen: 0.059 ng/u1  
RT: 25.24 min Scan# 5502  
Delta R.T. -0.02 min  
Lab File: BN012802.D  
Acq: 02 Dec 2020 03:53

Instrument :  
BNA\_N  
ClientSampleId :  
C0B43

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 31.3  | 13.8  | 20.8# |
| 279     | 48.4  | 25.6  | 38.4# |

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#26  
Benzo(g,h,i)perylene  
Concen: 0.218 ng/u1  
RT: 25.86 min Scan# 5688  
Delta R.T. -0.01 min  
Lab File: BN012802.D  
Acq: 02 Dec 2020 03:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.5  | 16.3  | 24.5  |
| 277     | 26.8  | 21.8  | 32.8  |

