

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112420\  
 Data File : BN012723.D  
 Acq On : 24 Nov 2020 19:15  
 Operator : CG/JU  
 Sample : L4751-14  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B86

Manual Integrations  
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Quant Time: Nov 25 03:02:37 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 Nov 25 01:45:20 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.44  | 152  | 1160     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.20 | 136  | 4827     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.09 | 164  | 2684     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.85 | 188  | 5343     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.06 | 240  | 4226     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.18 | 264  | 4306     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.81 | 152  | 798      | 0.11   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.89 | 212  | 1599     | 0.11   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 13.81 | 152  | 516      | 0.039  | ng/ul# | 79       |
| 8) Acenaphthene             | 14.16 | 153  | 1048     | 0.095  | ng/ul  | 99       |
| 9) Fluorene                 | 15.15 | 166  | 1204     | 0.099  | ng/ul# | 94       |
| 11) Pentachlorophenol       | 16.51 | 266  | 58       | 0.034  | ng/ul  | 95       |
| 12) Phenanthrene            | 16.89 | 178  | 38307    | 2.060  | ng/ul  | 96       |
| 13) Anthracene              | 16.98 | 178  | 4518     | 0.280  | ng/ul  | 99       |
| 15) Fluoranthene            | 18.92 | 202  | 76686    | 3.573  | ng/ul  | 99       |
| 17) Pyrene                  | 19.28 | 202  | 62714    | 3.318  | ng/ul  | 97       |
| 18) Benzo(a)anthracene      | 21.05 | 228  | 28145    | 1.859  | ng/ul  | 99       |
| 19) Chrysene                | 21.10 | 228  | 34105    | 1.803  | ng/ul  | 98       |
| 21) Benzo(b)fluoranthene    | 22.56 | 252  | 40418m   | 2.040  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.59 | 252  | 14653m   | 0.641  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.09 | 252  | 26085    | 1.399  | ng/ul# | 83       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.26 | 276  | 17275    | 0.709  | ng/ul  | 98       |
| 25) Dibenzo(a,h)anthracene  | 25.26 | 278  | 4337     | 0.221  | ng/ul# | 89       |
| 26) Benzo(a,h,i)perylene    | 25.89 | 276  | 14734    | 0.672  | ng/ul  | 97       |

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

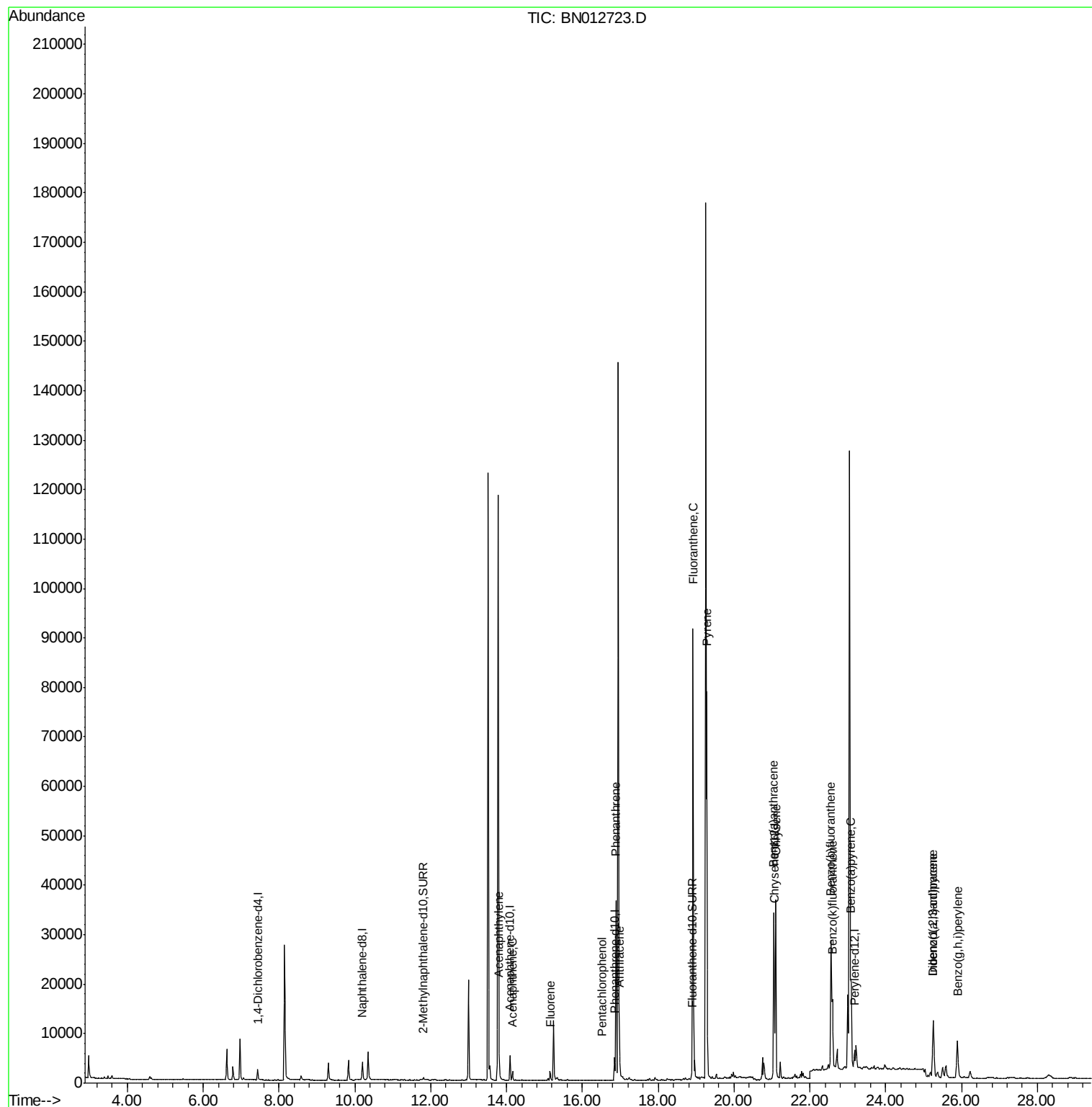
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112420\  
Data File : BN012723.D  
Acq On : 24 Nov 2020 19:15  
Operator : CG/JU  
Sample : L4751-14  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

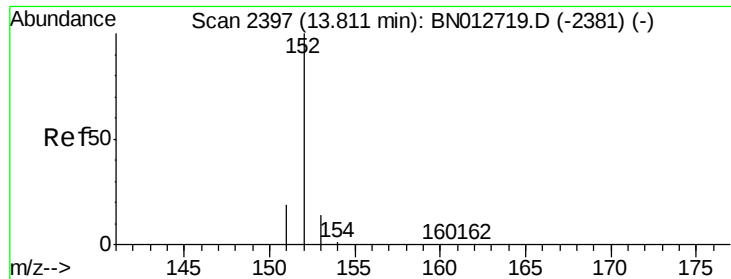
Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Time: Nov 25 03:02:37 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 25 01:45:20 2020  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.039 ng/ul

RT: 13.81 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BN012723.D

Acq: 24 Nov 2020 19:15

Instrument :

BNA\_N

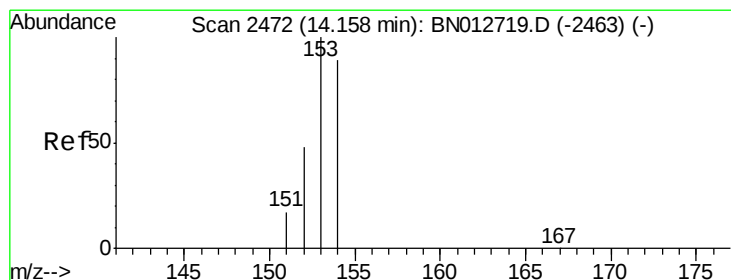
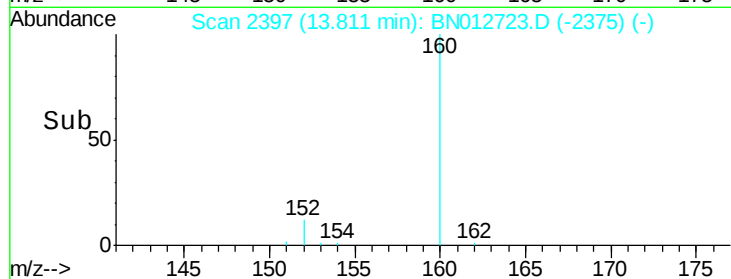
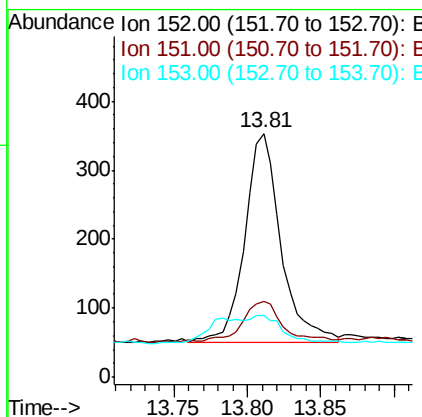
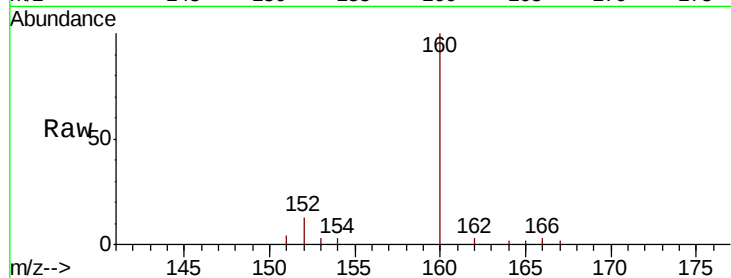
ClientSampleId :

C0B86

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 516   |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 30.9  | 17.1  | 25.7# |
| 153       | 25.2  | 12.6  | 19.0# |

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#8

Acenaphthene

Concen: 0.095 ng/ul

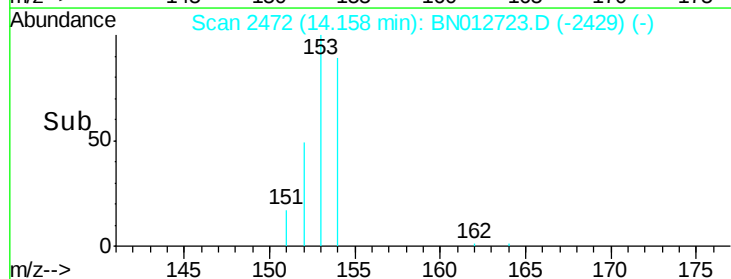
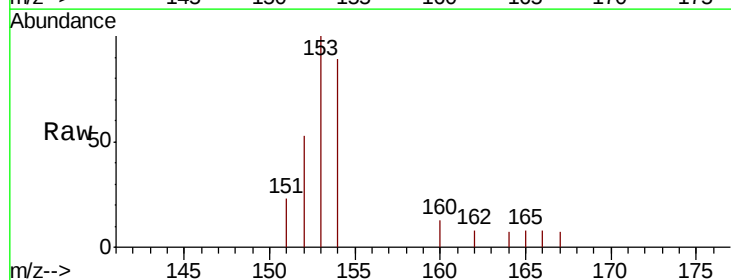
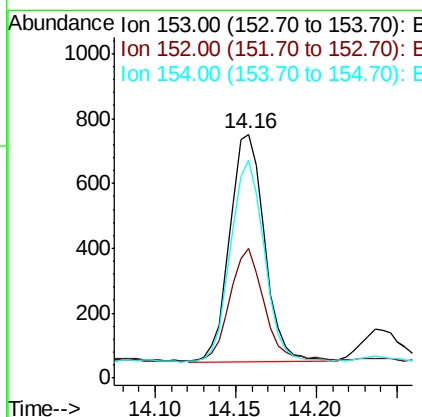
RT: 14.16 min Scan# 2472

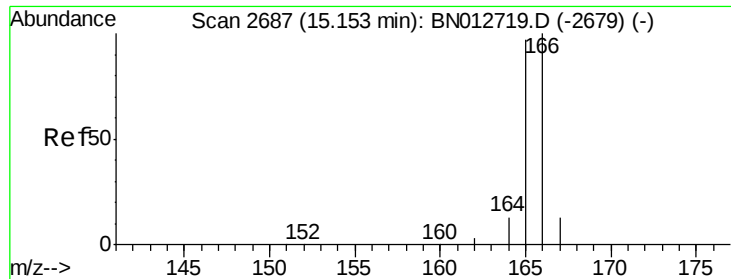
Delta R.T. -0.00 min

Lab File: BN012723.D

Acq: 24 Nov 2020 19:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 1048  |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 53.1  | 41.4  | 62.0  |
| 154       | 89.5  | 70.9  | 106.3 |





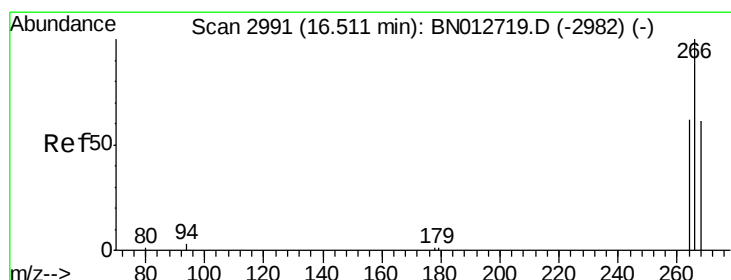
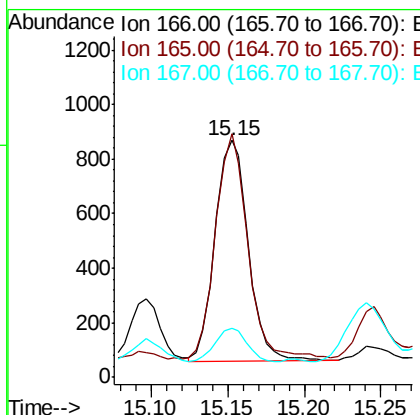
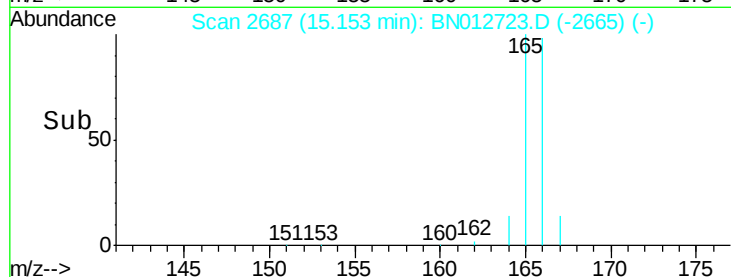
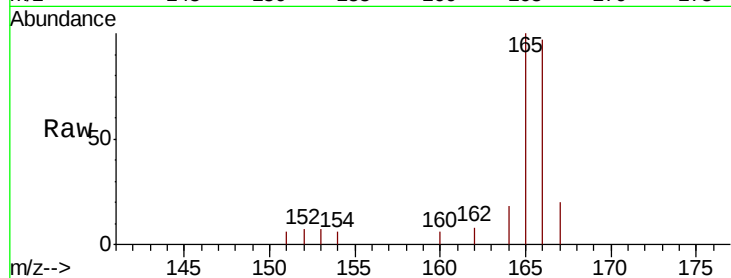
#9  
**Fluorene**  
 Concen: 0.099 ng/ul  
 RT: 15.15 min Scan# 2687  
 Delta R.T. -0.00 min  
 Lab File: BN012723.D  
 Acq: 24 Nov 2020 19:15

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B86

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 102.9 | 78.5  | 117.7 |
| 167     | 21.0  | 12.7  | 19.1  |

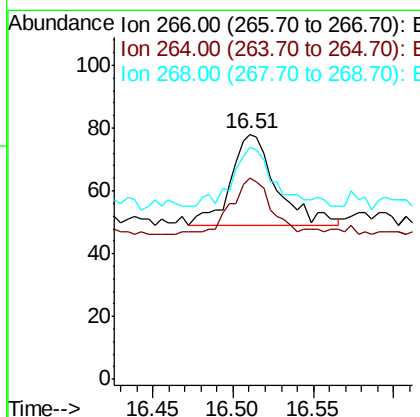
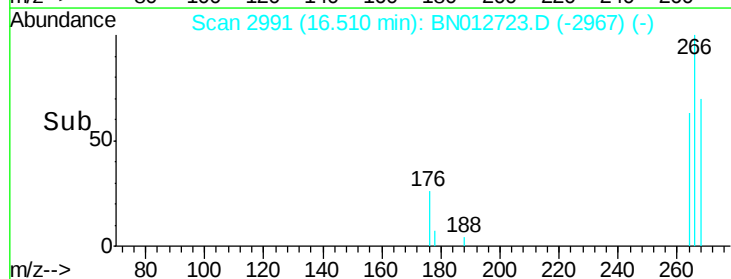
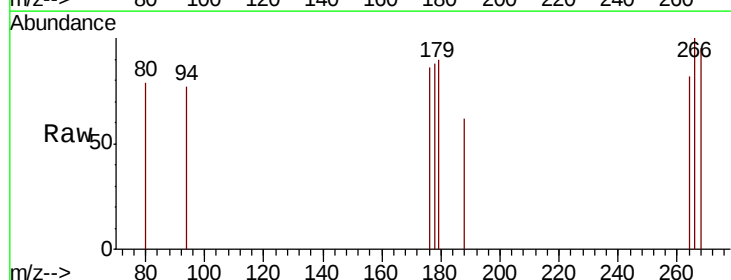
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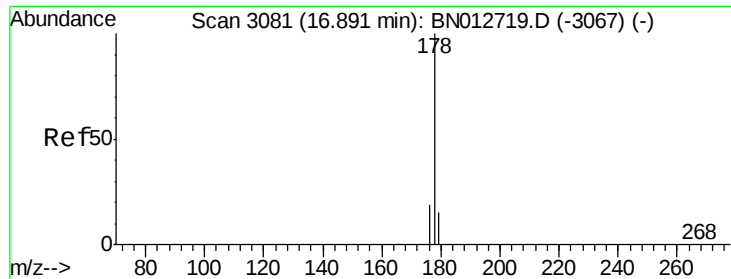
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#11  
**Pentachlorophenol**  
 Concen: 0.034 ng/ul  
 RT: 16.51 min Scan# 2991  
 Delta R.T. -0.00 min  
 Lab File: BN012723.D  
 Acq: 24 Nov 2020 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 56.9  | 51.0  | 76.6  |
| 268     | 58.6  | 47.8  | 71.6  |





#12

Phenanthrene

Concen: 2.060 ng/ul

RT: 16.89 min Scan# 3081

Delta R.T. -0.00 min

Lab File: BN012723.D

Acq: 24 Nov 2020 19:15

Instrument :

BNA\_N

ClientSampled :

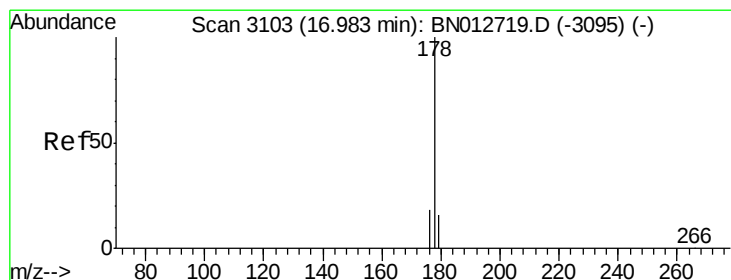
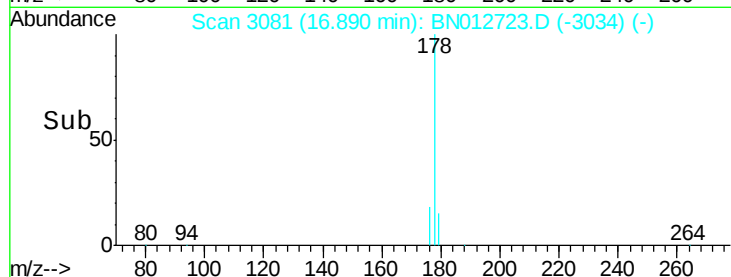
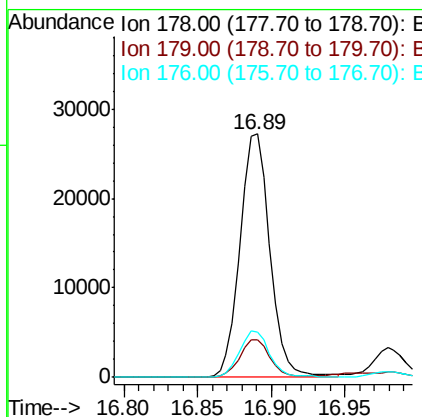
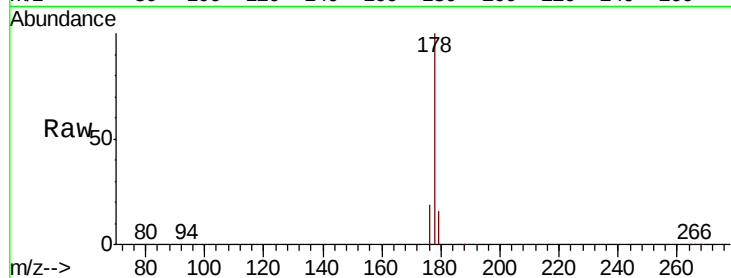
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Tot Ion:178 Resp: 38307

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.7  | 13.8  | 20.6  |
| 176 | 18.5  | 16.7  | 25.1  |

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#13

Anthracene

Concen: 0.280 ng/ul

RT: 16.98 min Scan# 3102

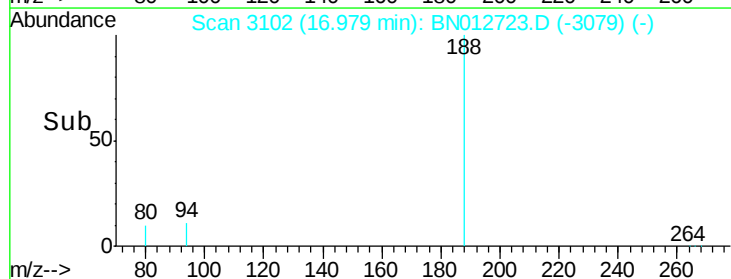
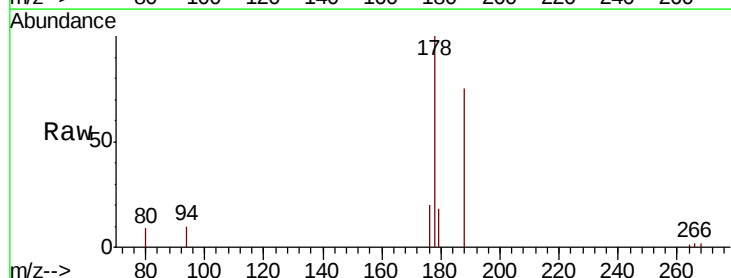
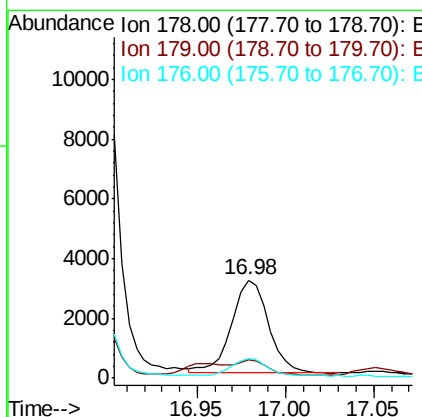
Delta R.T. -0.00 min

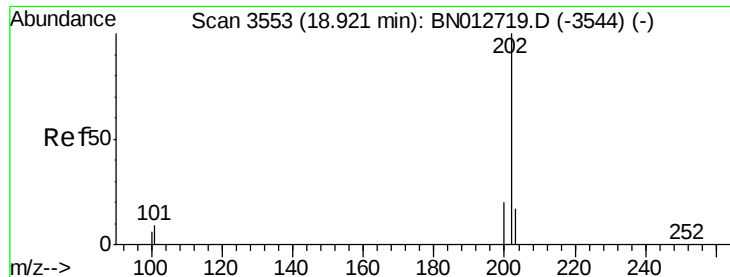
Lab File: BN012723.D

Acq: 24 Nov 2020 19:15

Tgt Ion:178 Resp: 4518

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 18.3  | 14.8  | 22.2  |
| 176 | 20.0  | 16.3  | 24.5  |





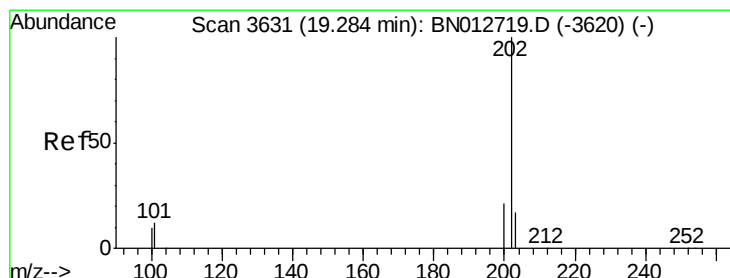
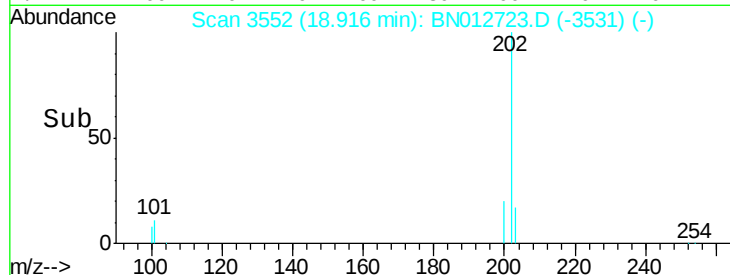
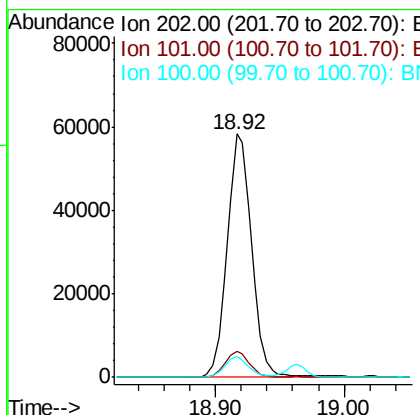
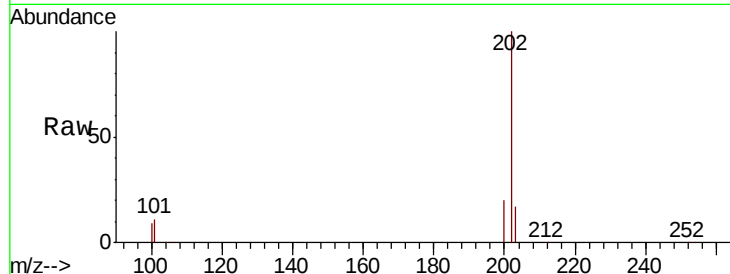
#15  
Fluoranthene  
Concen: 3.573 ng/ul  
RT: 18.92 min Scan# 3552  
Delta R.T. -0.00 min  
Lab File: BN012723.D  
Acq: 24 Nov 2020 19:15

Instrument :  
BNA\_N  
ClientSampleId :  
C0B86

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.9  | 0.0   | 30.5  |
| 100     | 8.6   | 0.0   | 28.4  |

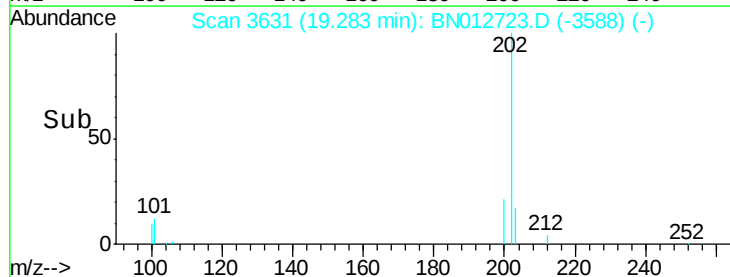
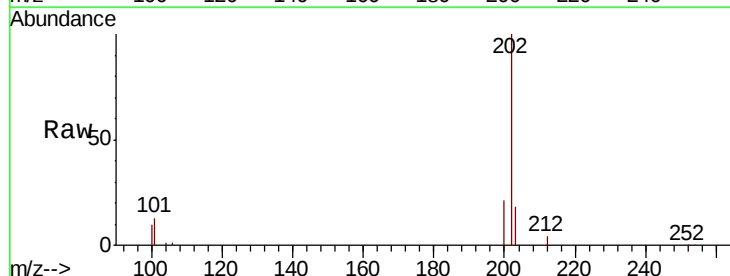
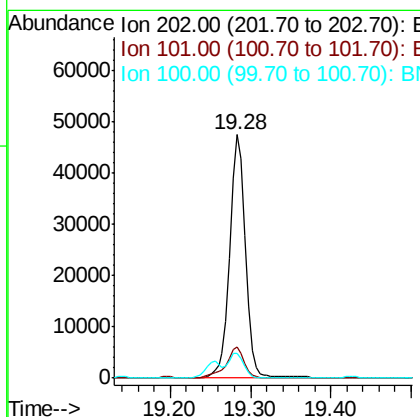
Manual Integrations  
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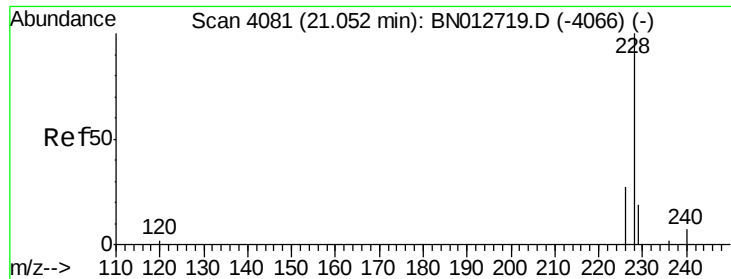
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#17  
Pyrene  
Concen: 3.318 ng/ul  
RT: 19.28 min Scan# 3631  
Delta R.T. -0.00 min  
Lab File: BN012723.D  
Acq: 24 Nov 2020 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.5  | 8.9   | 13.3  |
| 100     | 10.3  | 7.4   | 11.2  |





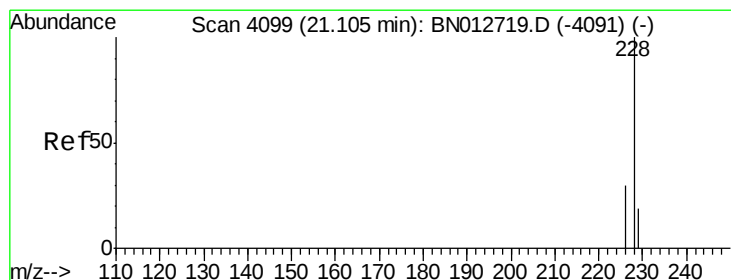
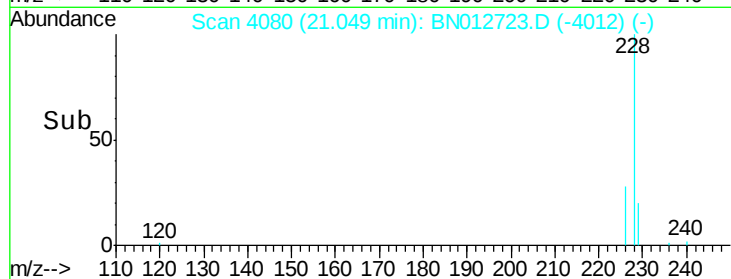
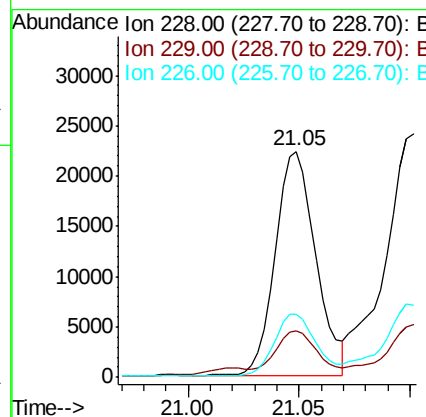
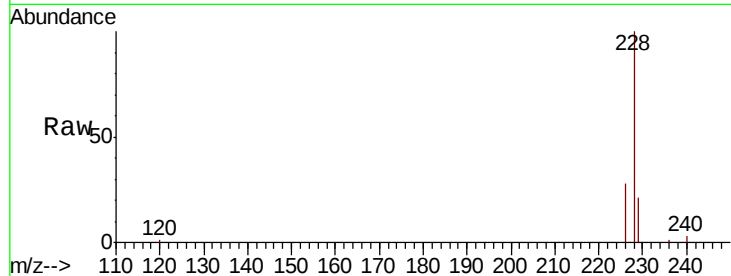
#18  
Benzo(a)anthracene  
Concen: 1.859 ng/ul  
RT: 21.05 min Scan# 4080  
Delta R.T. -0.00 min  
Lab File: BN012723.D  
Acq: 24 Nov 2020 19:15

Instrument :  
BNA\_N  
ClientSampleId :  
C0B86

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.6  | 16.9  | 25.3  |
| 226     | 28.2  | 23.1  | 34.7  |

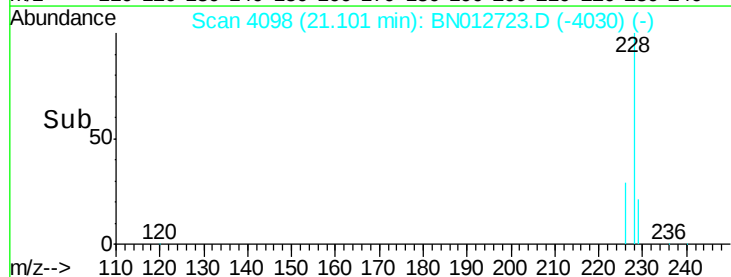
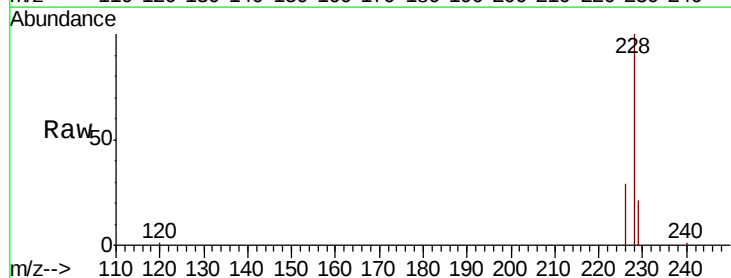
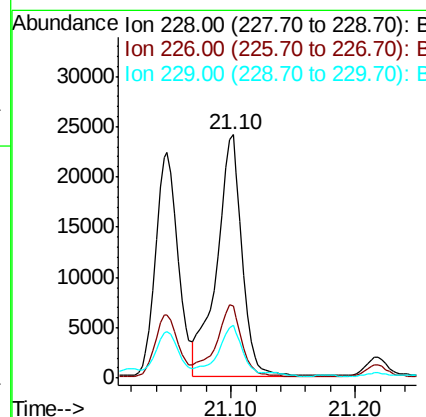
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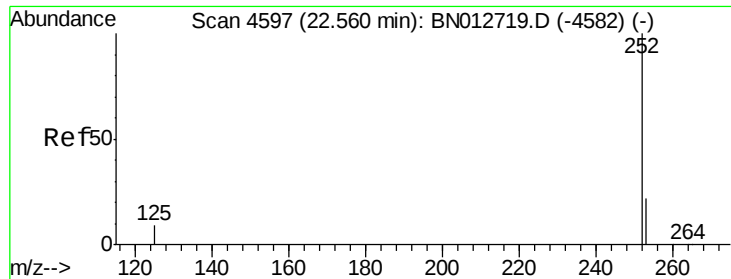
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#19  
Chrysene  
Concen: 1.803 ng/ul  
RT: 21.10 min Scan# 4098  
Delta R.T. -0.00 min  
Lab File: BN012723.D  
Acq: 24 Nov 2020 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.5  | 24.4  | 36.6  |
| 229     | 21.5  | 16.1  | 24.1  |





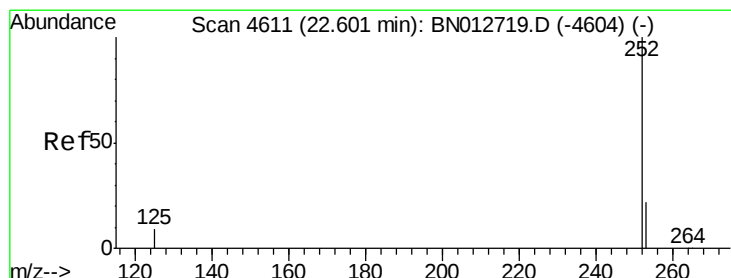
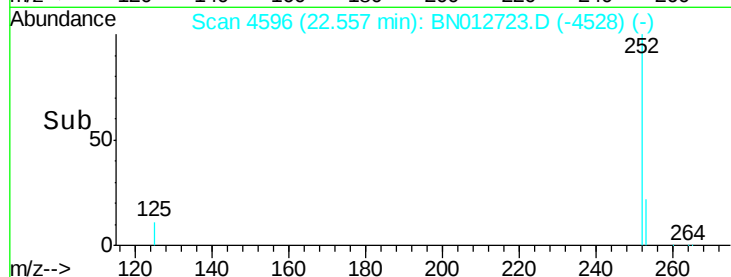
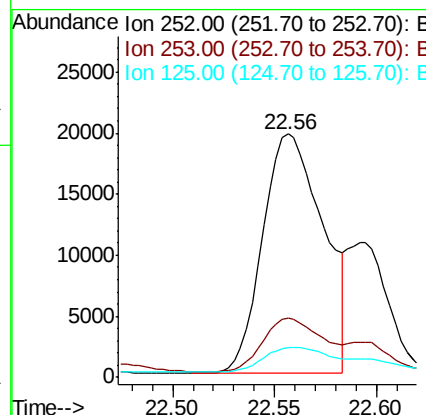
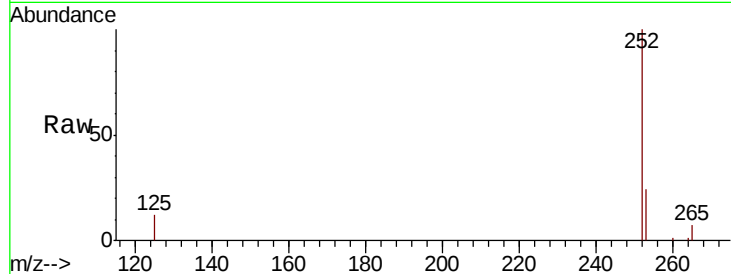
#21  
Benzo(b)fluoranthene  
Concen: 2.040 ng/ul m  
RT: 22.56 min Scan# 4596  
Delta R.T. -0.00 min  
Lab File: BN012723.D  
Acq: 24 Nov 2020 19:15

Instrument :  
BNA\_N  
ClientSampleId :  
C0B86

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 0.0   | 58.4  |
| 125     | 12.4  | 0.0   | 28.6  |

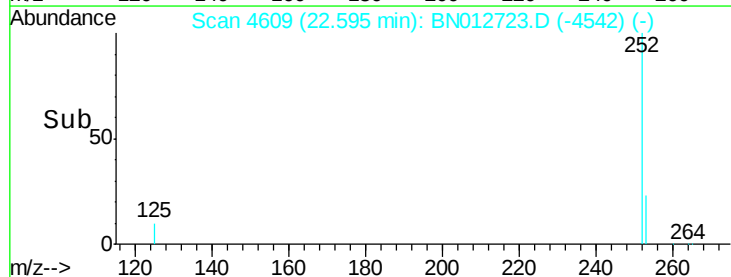
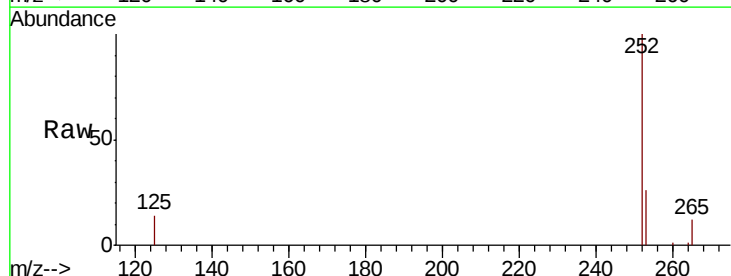
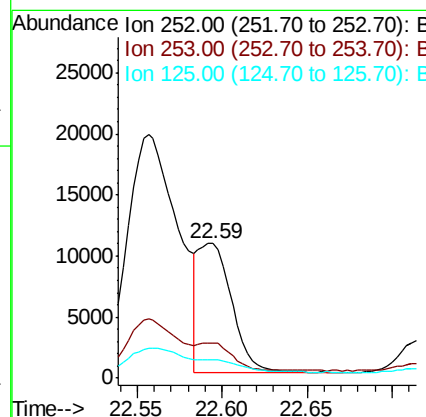
Manual Integrations  
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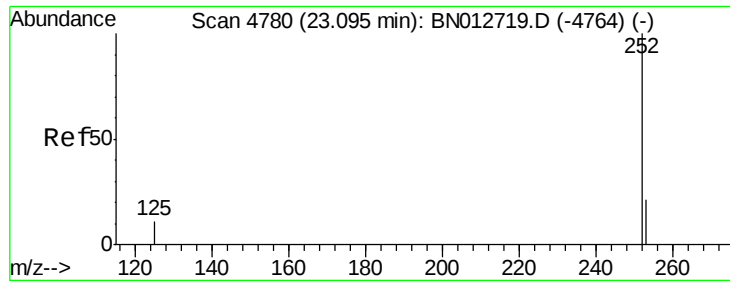
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#22  
Benzo(k)fluoranthene  
Concen: 0.641 ng/ul m  
RT: 22.59 min Scan# 4609  
Delta R.T. -0.00 min  
Lab File: BN012723.D  
Acq: 24 Nov 2020 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.2  | 23.4  | 35.2  |
| 125     | 14.0  | 10.2  | 15.2  |





#23

Benzo(a)pyrene

Concen: 1.399 ng/ul

RT: 23.09 min Scan# 4777

Delta R.T. -0.00 min

Lab File: BN012723.D

Acq: 24 Nov 2020 19:15

Instrument :

BNA\_N

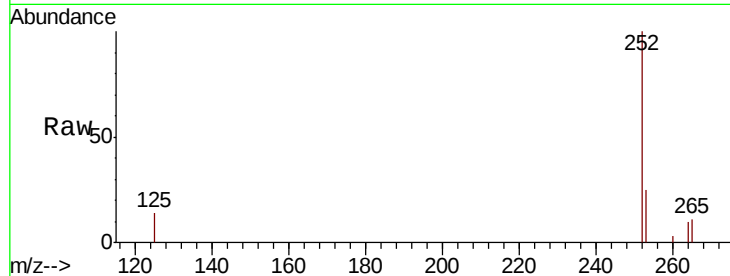
ClientSampleId :

C0B86

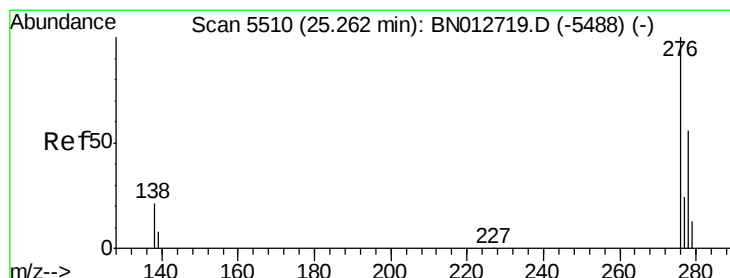
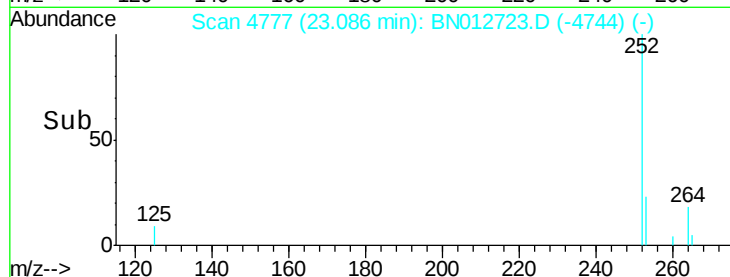
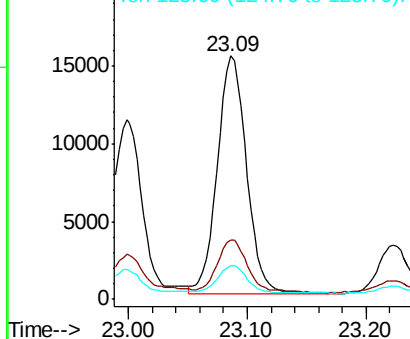
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 26085 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.6  | 27.6  | 41.4# |
| 125       | 13.9  | 17.0  | 25.4# |

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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: 0.709 ng/ul

RT: 25.26 min Scan# 5508

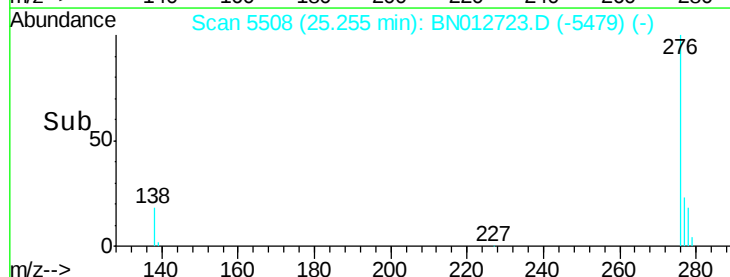
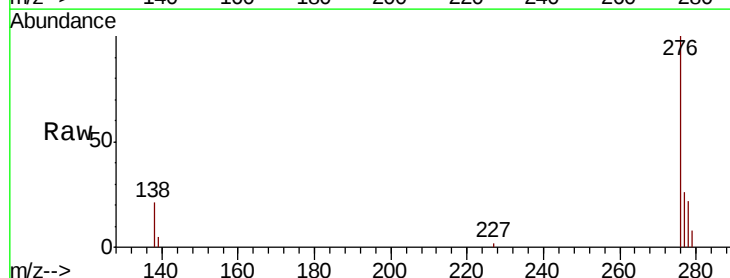
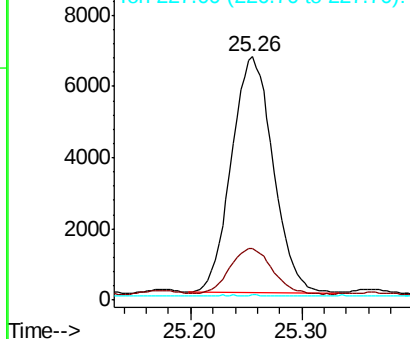
Delta R.T. -0.00 min

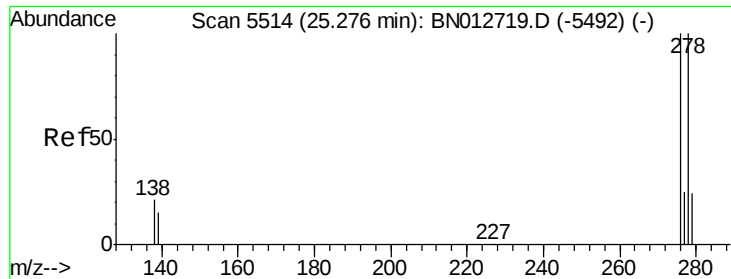
Lab File: BN012723.D

Acq: 24 Nov 2020 19:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 17275 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 19.6  | 16.5  | 24.7  |
| 227       | 0.1   | 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





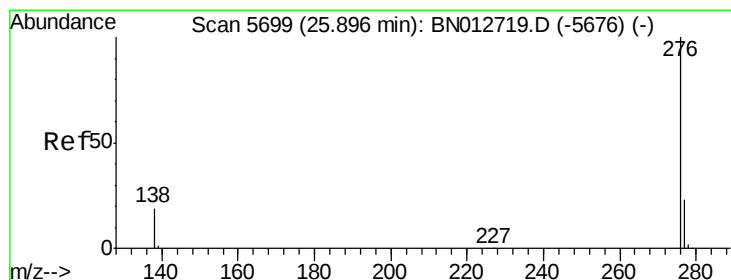
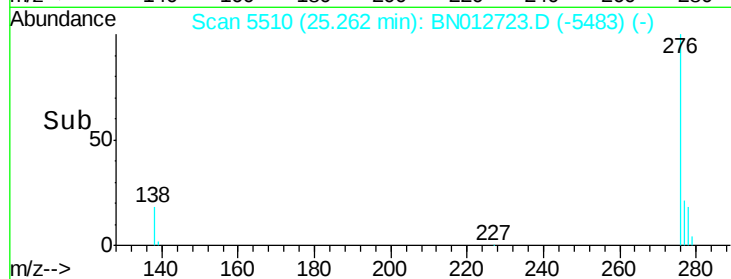
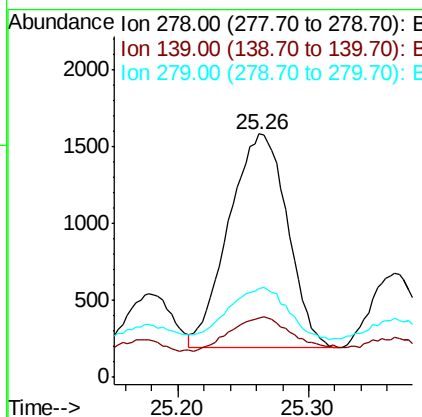
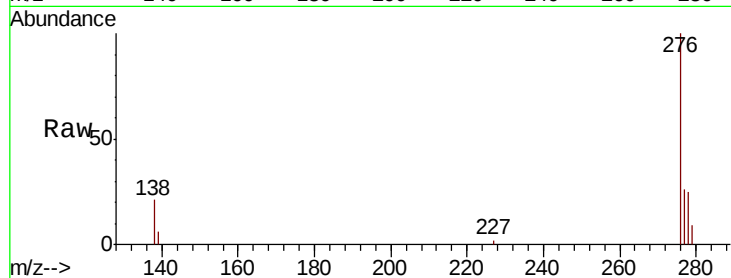
#25  
Dibenzo(a,h)anthracene  
Concen: 0.221 ng/u1  
RT: 25.26 min Scan# 5510  
Delta R.T. -0.01 min  
Lab File: BN012723.D  
Acq: 24 Nov 2020 19:15

Instrument :  
BNA\_N  
ClientSampleId :  
C0B86

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 24.2  | 13.8  | 20.8# |
| 279     | 36.4  | 25.6  | 38.4  |

Manual Integrations  
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#26  
Benzo(g,h,i)perylene  
Concen: 0.672 ng/u1  
RT: 25.89 min Scan# 5698  
Delta R.T. 0.00 min  
Lab File: BN012723.D  
Acq: 24 Nov 2020 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.1  | 16.3  | 24.5  |
| 277     | 25.6  | 21.8  | 32.8  |

