

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
 Data File : BN013023.D  
 Acq On : 09 Dec 2020 21:57  
 Operator : CG/JU  
 Sample : L4941-08  
 Misc :  
 ALS Vial : 93 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B10

Manual Integrations  
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Quant Time: Dec 10 01:37:28 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 : Thu Dec 10 00:40:41 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 1020     | 0.40   | ng/ul  | -0.01    |
| 2) Naphthalene-d8           | 10.14 | 136  | 4272     | 0.40   | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.05 | 164  | 2473     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.80 | 188  | 5119     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.02 | 240  | 4071     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.12 | 264  | 3877     | 0.40   | ng/ul  | -0.02    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.75 | 152  | 1085     | 0.17   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.85 | 212  | 2406     | 0.17   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 13.76 | 152  | 240      | 0.021  | ng/ul# | 44       |
| 12) Phenanthrene            | 16.85 | 178  | 3249     | 0.189  | ng/ul  | 99       |
| 13) Anthracene              | 16.94 | 178  | 456      | 0.031  | ng/ul# | 76       |
| 15) Fluoranthene            | 18.88 | 202  | 11551    | 0.566  | ng/ul  | 99       |
| 17) Pyrene                  | 19.25 | 202  | 10508    | 0.546  | ng/ul  | 98       |
| 18) Benzo(a)anthracene      | 21.01 | 228  | 4799     | 0.285  | ng/ul  | 97       |
| 19) Chrysene                | 21.06 | 228  | 6341     | 0.341  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 22.51 | 252  | 8432m    | 0.470  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.54 | 252  | 3161m    | 0.159  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.03 | 252  | 5120     | 0.308  | ng/ul# | 89       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.18 | 276  | 3684     | 0.169  | ng/ul# | 100      |
| 25) Dibenzo(a,h)anthracene  | 25.18 | 278  | 899      | 0.052  | ng/ul# | 42       |
| 26) Benzo(g,h,i)perylene    | 25.80 | 276  | 3242     | 0.164  | ng/ul# | 92       |

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

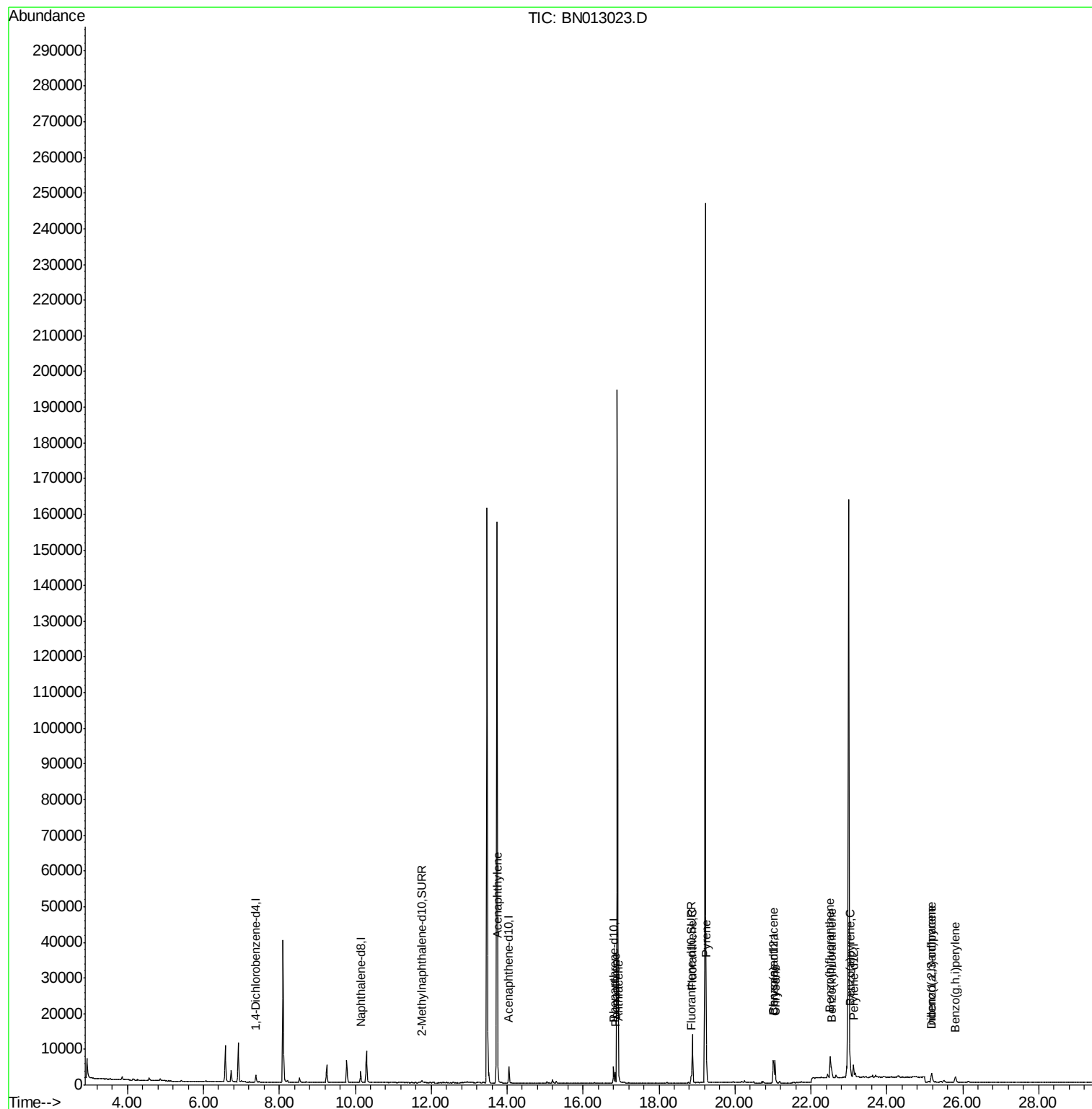
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
Data File : BN013023.D  
Acq On : 09 Dec 2020 21:57  
Operator : CG/JU  
Sample : L4941-08  
Misc :  
ALS Vial : 93 Sample Multiplier: 1

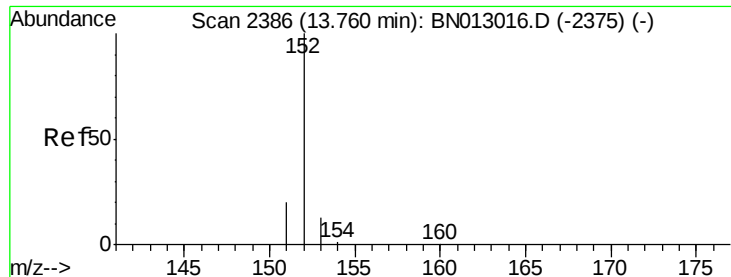
Instrument :  
BNA\_N  
ClientSampleId :  
C0B10

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Quant Time: Dec 10 01:37:28 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 : Thu Dec 10 00:40:41 2020  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.021 ng/ul

RT: 13.76 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

Instrument :

BNA\_N

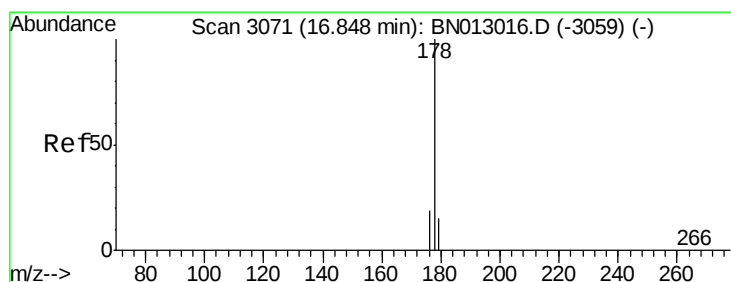
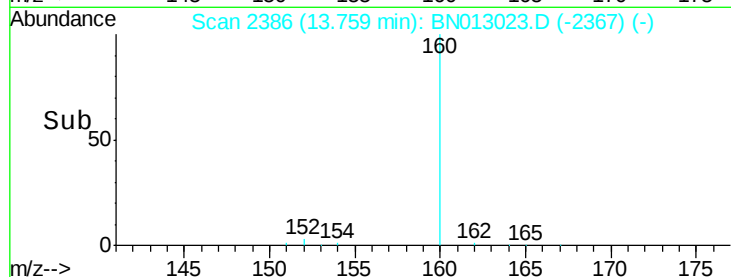
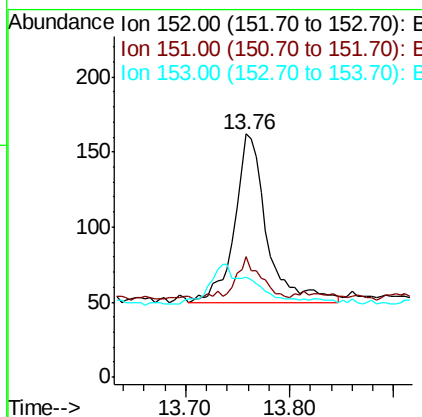
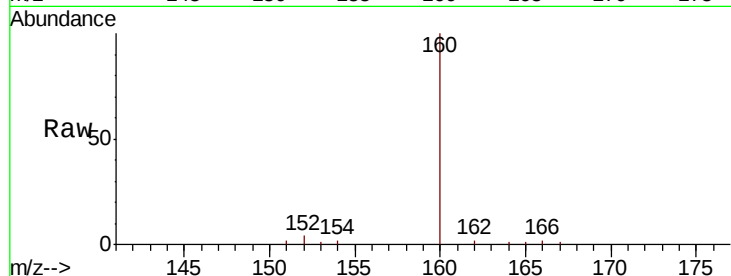
ClientSampleId :

C0B10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 240   |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 49.4  | 18.2  | 27.4# |
| 153       | 41.4  | 13.1  | 19.7# |

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#12

Phenanthrene

Concen: 0.189 ng/ul

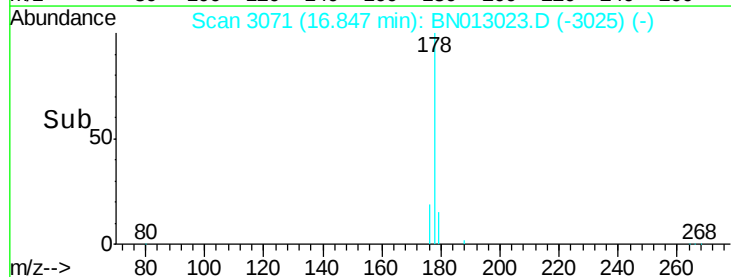
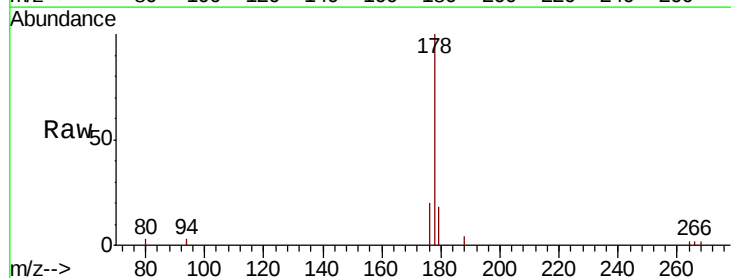
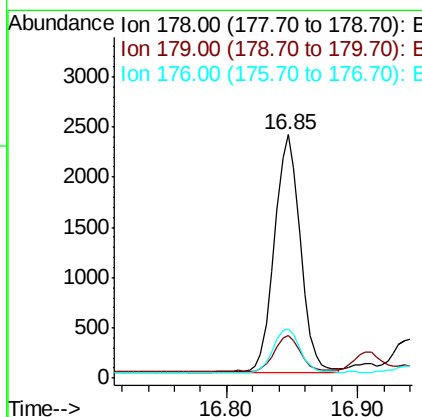
RT: 16.85 min Scan# 3071

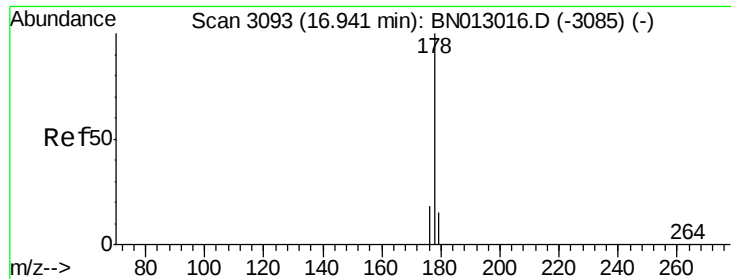
Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 3249 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 17.7  | 13.6  | 20.4 |
| 176       | 20.4  | 16.4  | 24.6 |





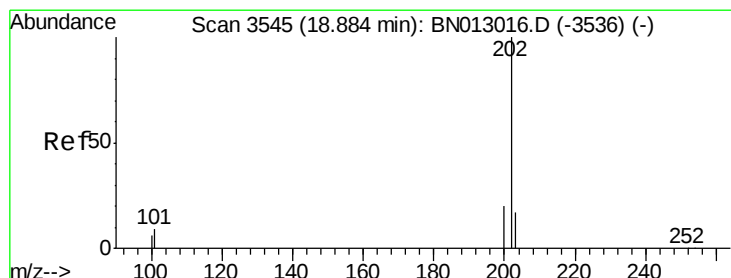
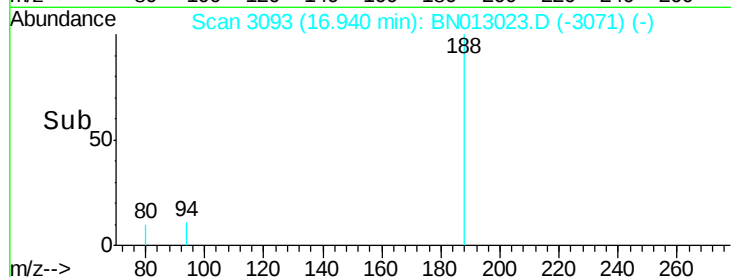
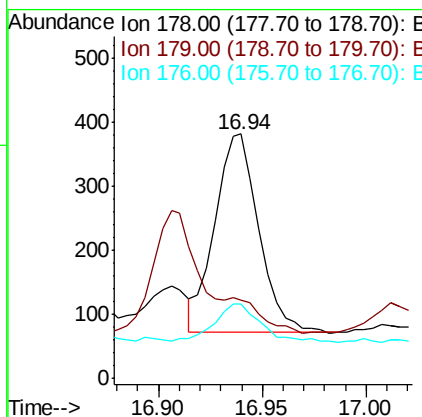
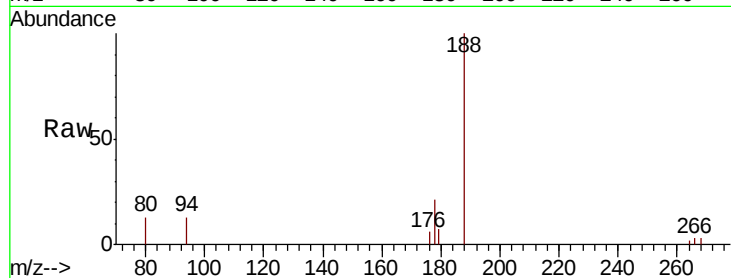
#13  
 Anthracene  
 Concen: 0.031 ng/ul  
 RT: 16.94 min Scan# 3093  
 Delta R.T. -0.01 min  
 Lab File: BN013023.D  
 Acq: 09 Dec 2020 21:57

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 31.8  | 14.6  | 21.8# |
| 176     | 30.4  | 17.1  | 25.7# |

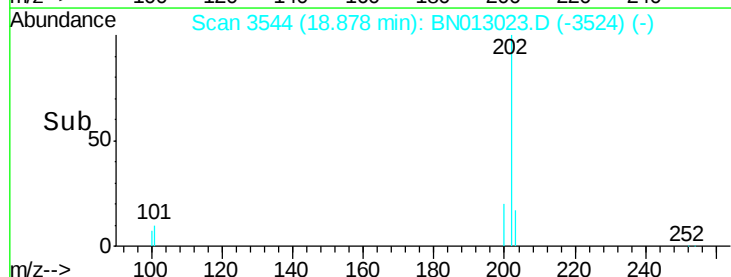
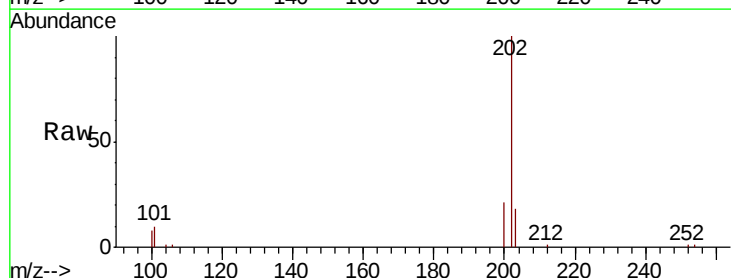
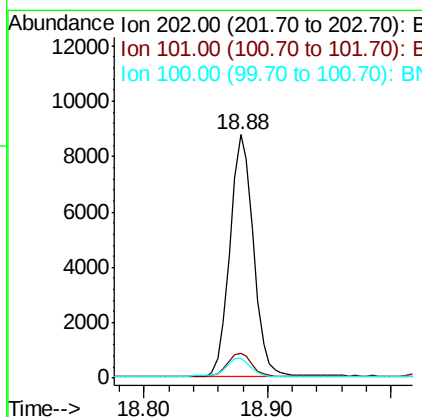
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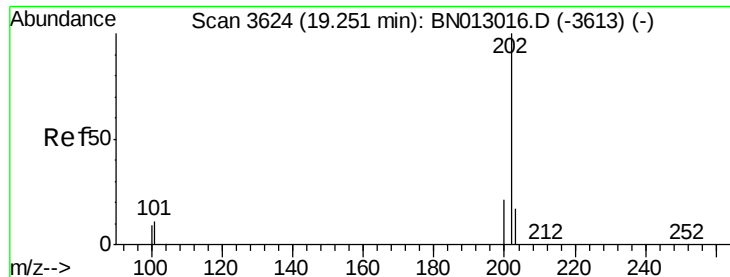
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#15  
 Fluoranthene  
 Concen: 0.566 ng/ul  
 RT: 18.88 min Scan# 3544  
 Delta R.T. -0.01 min  
 Lab File: BN013023.D  
 Acq: 09 Dec 2020 21:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.4  | 0.0   | 30.6  |
| 100     | 8.0   | 0.0   | 28.7  |





#17

Pvrene

Concen: 0.546 ng/ul

RT: 19.25 min Scan# 3623

Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

Instrument :

BNA\_N

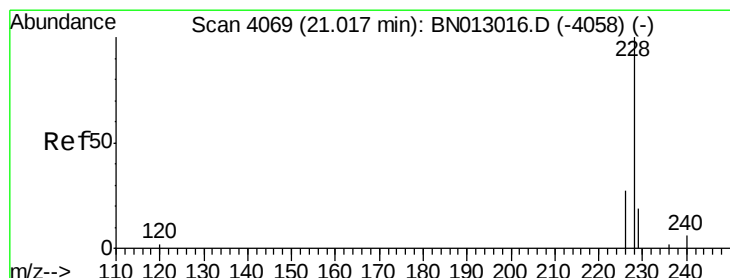
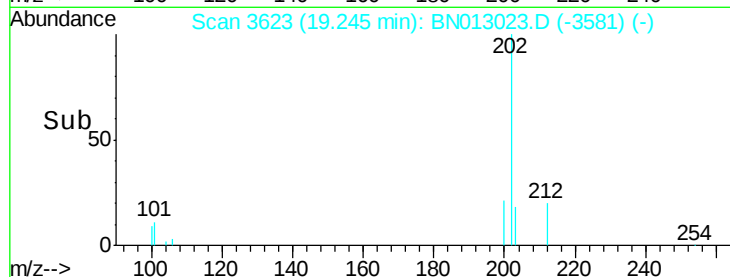
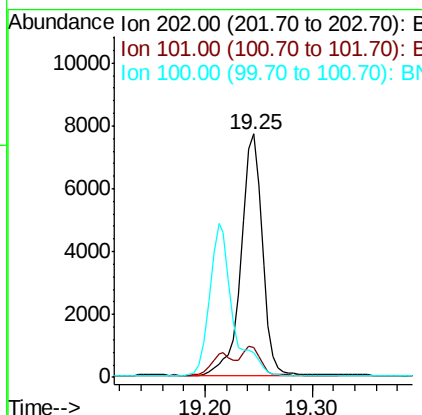
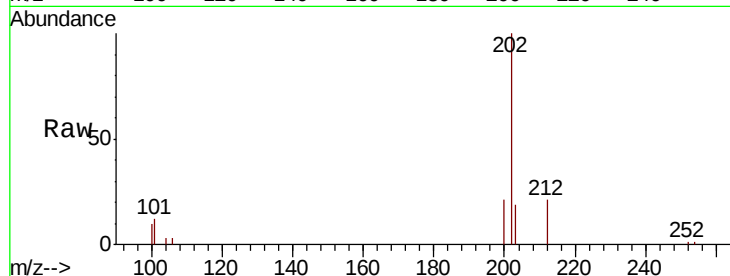
ClientSampled :

C0B10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 10508 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.2  | 9.1   | 13.7  |
| 100       | 9.9   | 7.5   | 11.3  |

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#18

Benzo(a)anthracene

Concen: 0.285 ng/ul

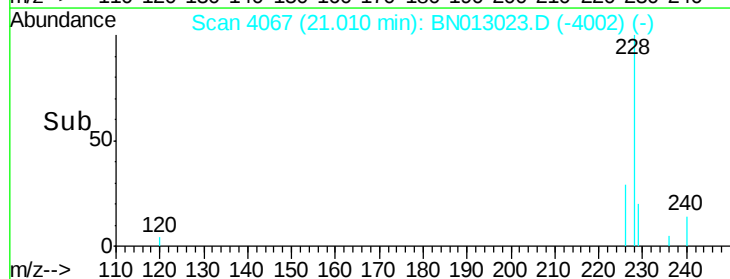
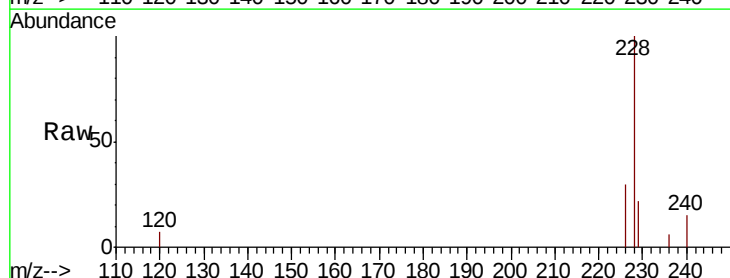
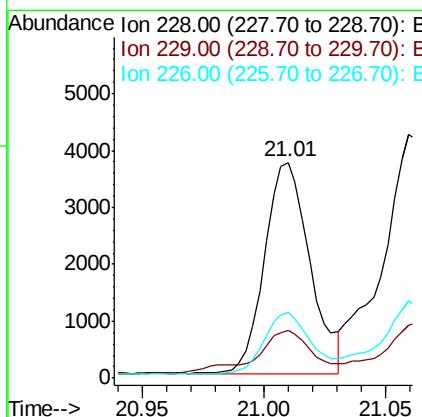
RT: 21.01 min Scan# 4067

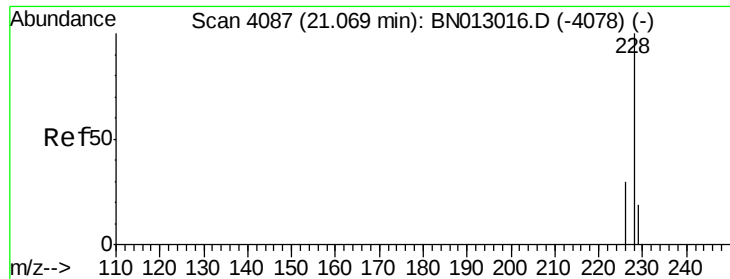
Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 4799 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 229       | 22.4  | 16.3  | 24.5 |
| 226       | 30.5  | 23.4  | 35.2 |





#19

Chrysene

Concen: 0.341 ng/ul

RT: 21.06 min Scan# 4084

Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

Instrument :

BNA\_N

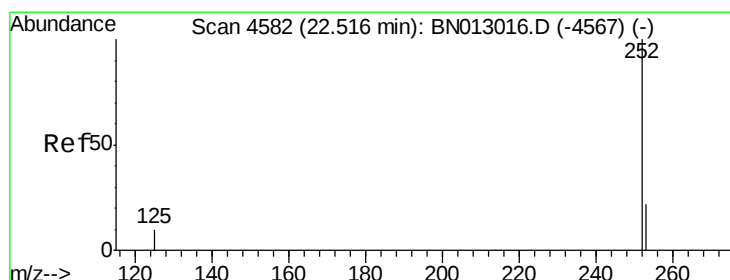
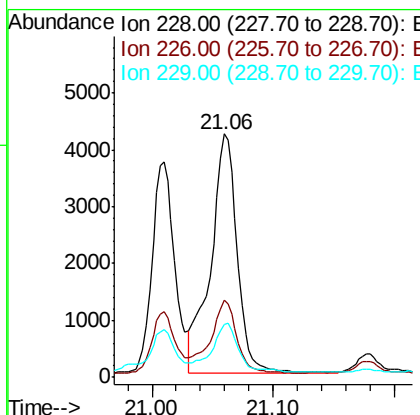
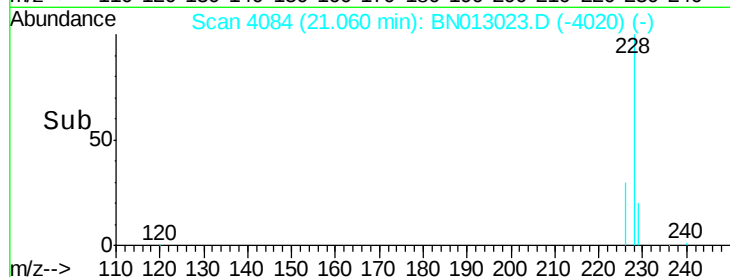
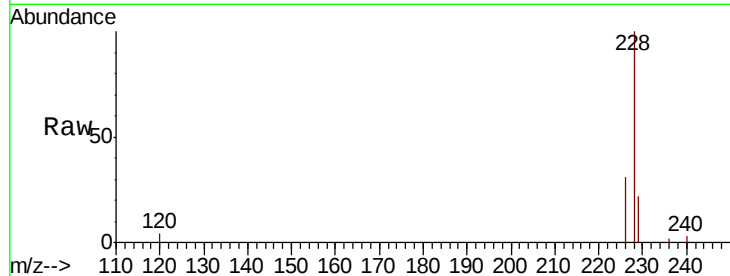
ClientSampled :

C0B10

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 228   | Resp: | 6341  |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 31.5  | 25.0  | 37.6  |
| 229      | 21.9  | 16.4  | 24.6  |

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#21

Benzo(b)fluoranthene

Concen: 0.470 ng/ul m

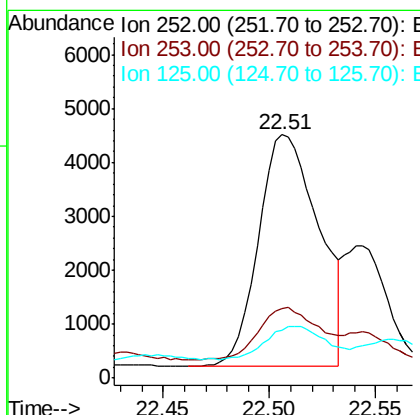
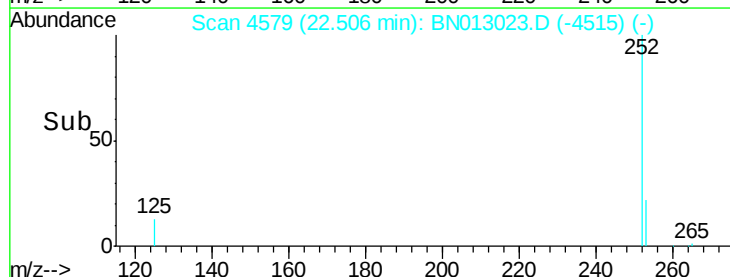
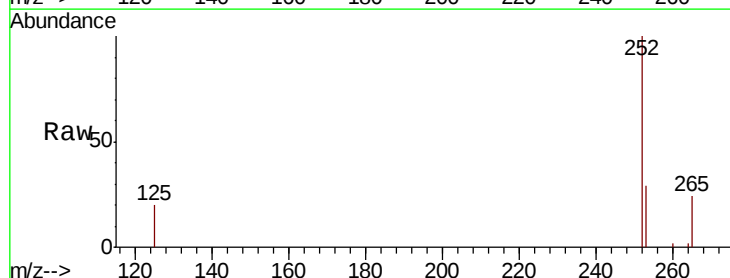
RT: 22.51 min Scan# 4579

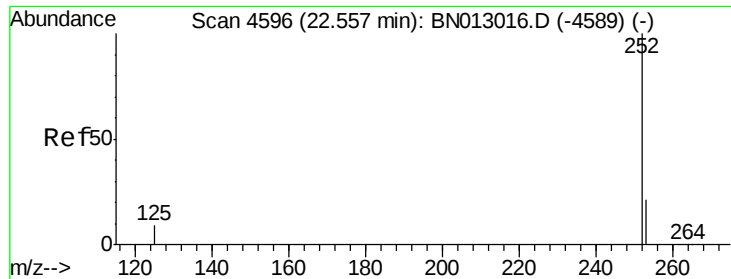
Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 8432  |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 28.8  | 0.0   | 59.6  |
| 125      | 19.9  | 0.0   | 26.0  |





#22

Benzo(k)fluoranthene

Concen: 0.159 ng/ul m

RT: 22.54 min Scan# 4592

Delta R.T. -0.02 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

Instrument :

BNA\_N

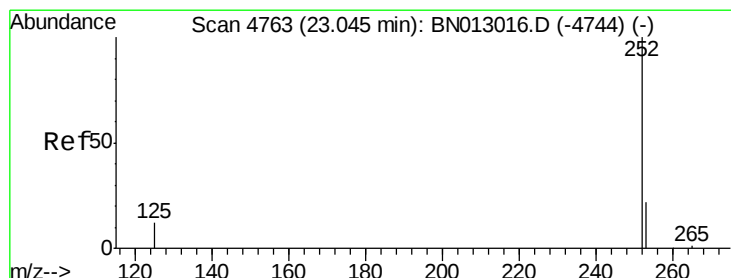
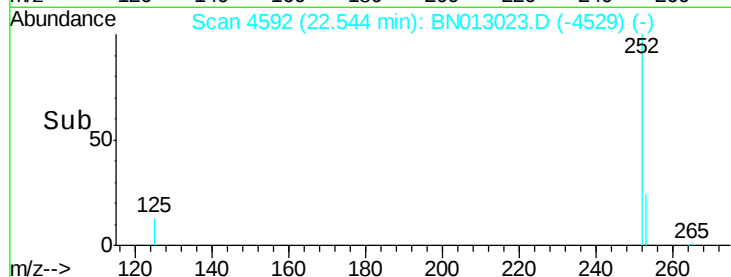
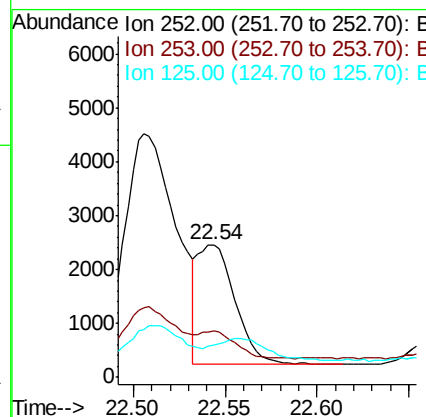
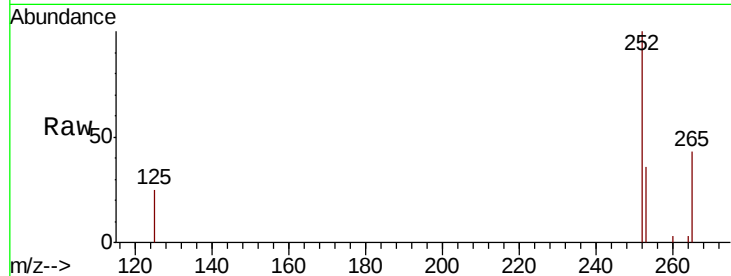
ClientSampled :

C0B10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 3161  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 35.5  | 23.4  | 35.2# |
| 125       | 24.6  | 11.1  | 16.7# |

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#23

Benzo(a)pyrene

Concen: 0.308 ng/ul

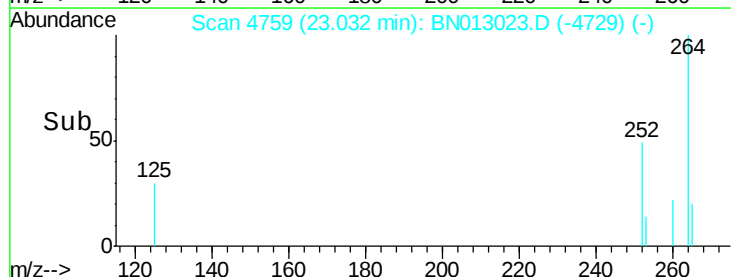
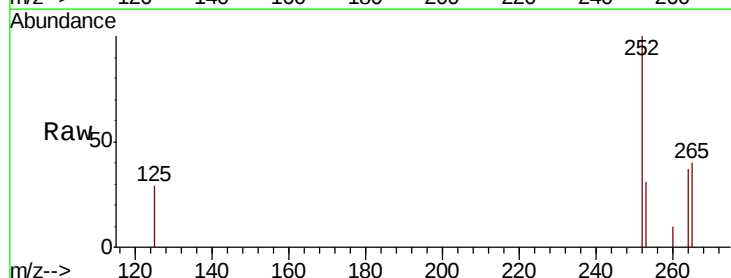
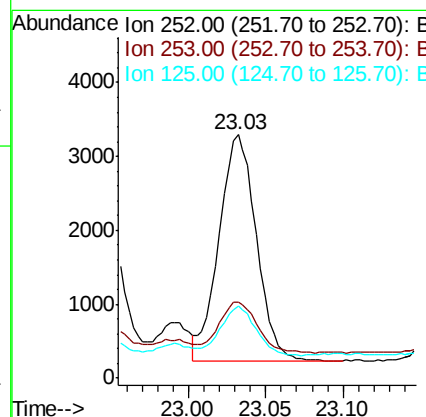
RT: 23.03 min Scan# 4759

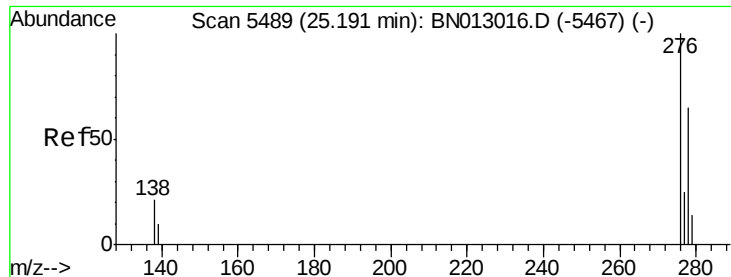
Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 5120  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 31.3  | 26.5  | 39.7  |
| 125       | 29.4  | 14.2  | 21.2# |





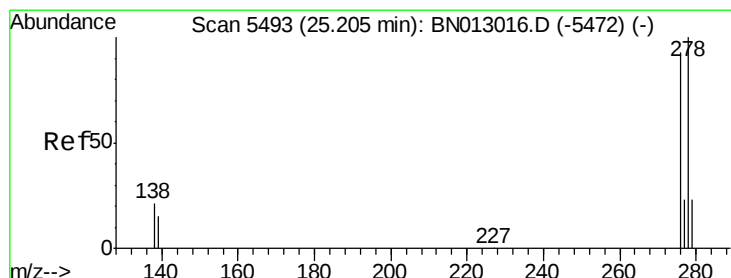
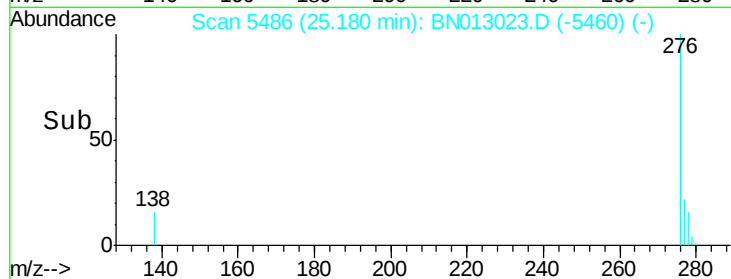
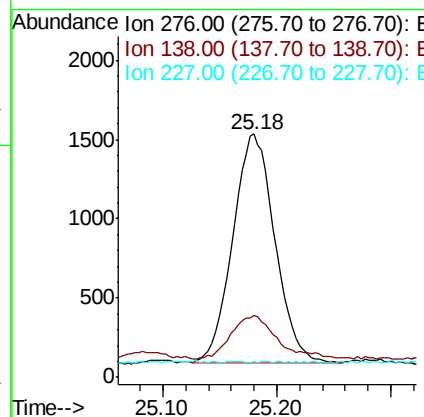
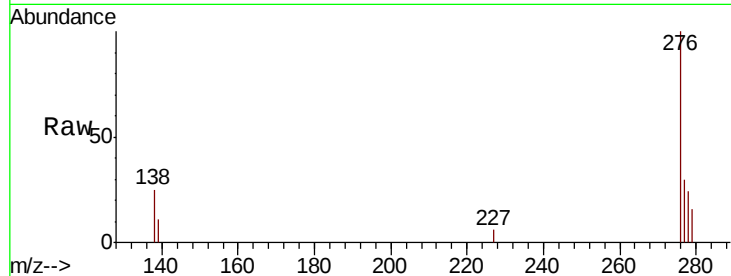
#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.169 ng/ul  
RT: 25.18 min Scan# 5486  
Delta R.T. -0.01 min  
Lab File: BN013023.D  
Acq: 09 Dec 2020 21:57

Instrument :  
BNA\_N  
ClientSampleId :  
C0B10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.4  | 16.2  | 24.2  |
| 227     | 0.4   | 0.0   | 0.0   |

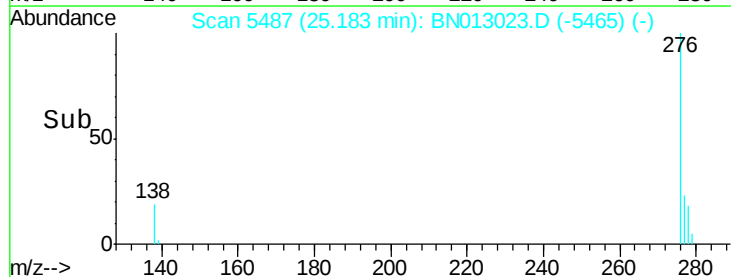
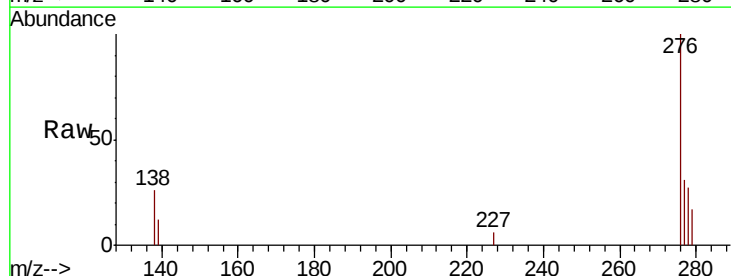
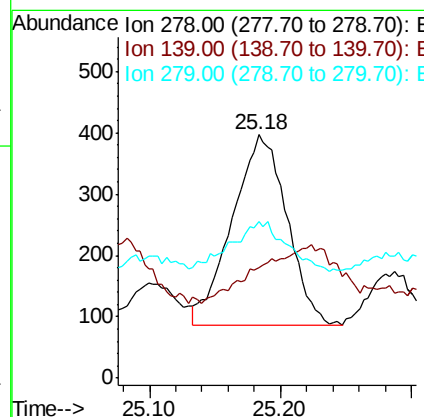
Manual Integrations  
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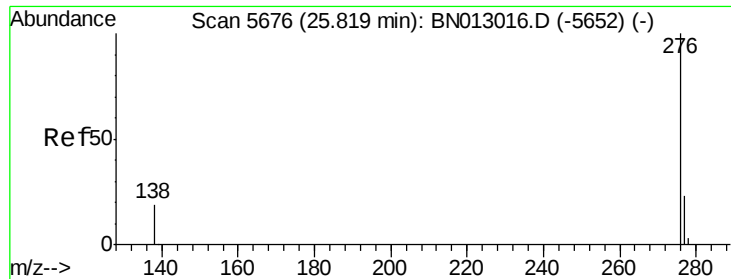
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#25  
Dibenzo(a,h)anthracene  
Concen: 0.052 ng/ul  
RT: 25.18 min Scan# 5487  
Delta R.T. -0.03 min  
Lab File: BN013023.D  
Acq: 09 Dec 2020 21:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 45.6  | 14.5  | 21.7  |
| 279     | 64.2  | 26.3  | 39.5  |





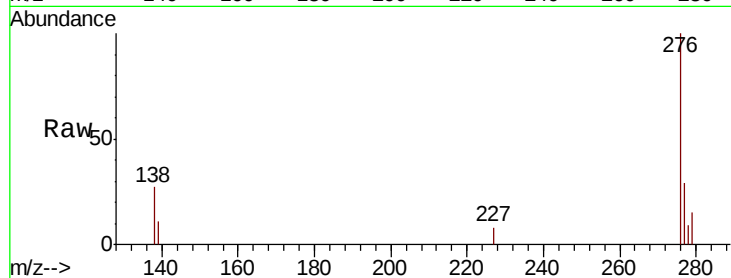
#26  
Benzo(a,h,i)perylene  
Concen: 0.164 ng/ul  
RT: 25.80 min Scan# 5672  
Delta R.T. -0.02 min  
Lab File: BN013023.D  
Acq: 09 Dec 2020 21:57

Instrument :  
BNA\_N  
ClientSampleId :  
C0B10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 27.1  | 16.3  | 24.5# |
| 277     | 29.2  | 21.8  | 32.6  |

Manual Integrations  
APPROVED

mohammad  
12/11/2020 1:18:09 PM



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

