

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
 Data File : BN012953.D  
 Acq On : 07 Dec 2020 23:31  
 Operator : CG/JU  
 Sample : L4864-21DL 2X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B64DL

Manual Integrations  
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Quant Time: Dec 08 01:00:54 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 : Tue Dec 08 00:15:39 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.39  | 152  | 840      | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.15 | 136  | 3479     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.05 | 164  | 1961     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.81 | 188  | 4497     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.03 | 240  | 3915     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.13 | 264  | 4107     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.76 | 152  | 373      | 0.07   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.85 | 212  | 881      | 0.07   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 13.76 | 152  | 210      | 0.023  | ng/ul# | 57       |
| 12) Phenanthrene            | 16.85 | 178  | 4824     | 0.320  | ng/ul  | 99       |
| 13) Anthracene              | 16.94 | 178  | 657      | 0.051  | ng/ul# | 83       |
| 15) Fluoranthene            | 18.88 | 202  | 22887    | 1.277  | ng/ul  | 97       |
| 17) Pyrene                  | 19.25 | 202  | 21809    | 1.179  | ng/ul  | 100      |
| 18) Benzo(a)anthracene      | 21.02 | 228  | 9580     | 0.591  | ng/ul  | 99       |
| 19) Chrysene                | 21.07 | 228  | 12545    | 0.701  | ng/ul  | 100      |
| 21) Benzo(b)fluoranthene    | 22.52 | 252  | 19534m   | 1.028  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.55 | 252  | 6689m    | 0.319  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.04 | 252  | 11710    | 0.664  | ng/ul# | 89       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.18 | 276  | 8995     | 0.388  | ng/ul# | 97       |
| 25) Dibenzo(a,h)anthracene  | 25.19 | 278  | 1781     | 0.097  | ng/ul# | 82       |
| 26) Benzo(g,h,i)perylene    | 25.82 | 276  | 8877     | 0.424  | ng/ul  | 97       |

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

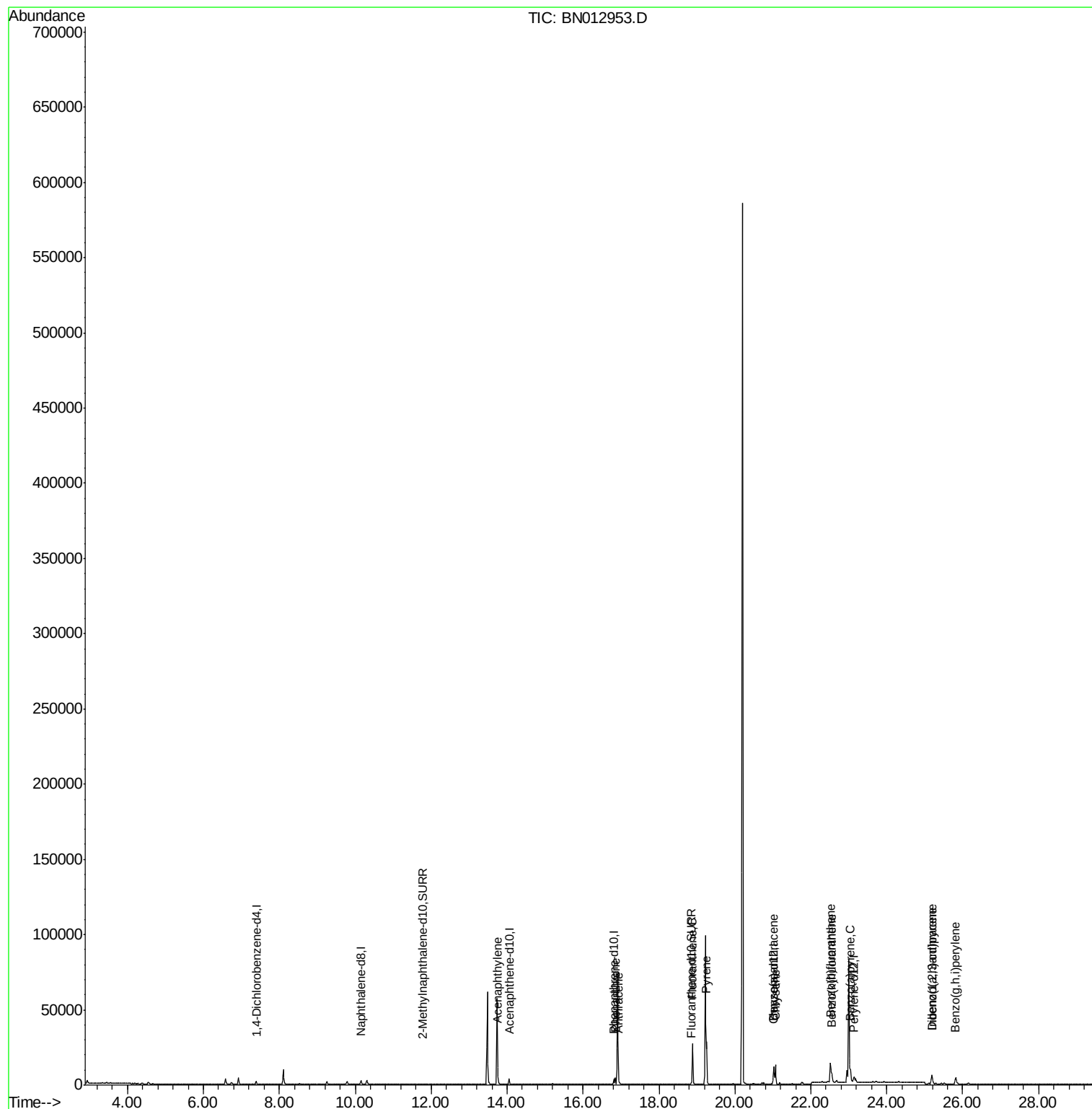
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
Data File : BN012953.D  
Acq On : 07 Dec 2020 23:31  
Operator : CG/JU  
Sample : L4864-21DL 2X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

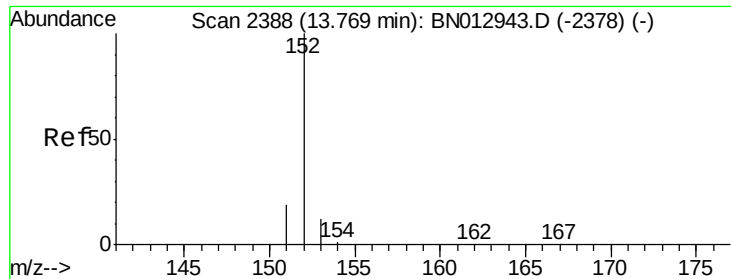
Instrument :  
BNA\_N  
ClientSampleId :  
C0B64DL

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Quant Time: Dec 08 01:00:54 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 : Tue Dec 08 00:15:39 2020  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.023 ng/ul

RT: 13.76 min Scan# 2387

Delta R.T. -0.00 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

Instrument :

BNA\_N

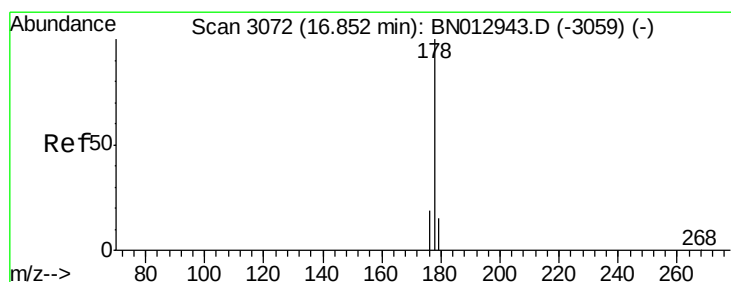
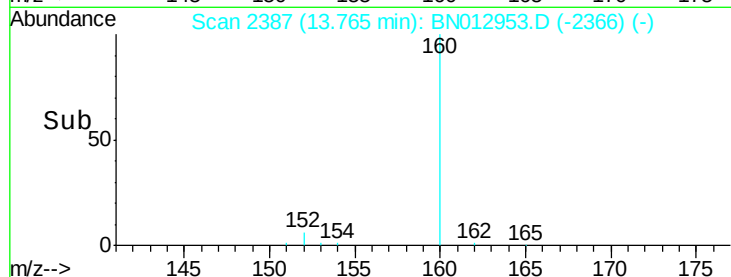
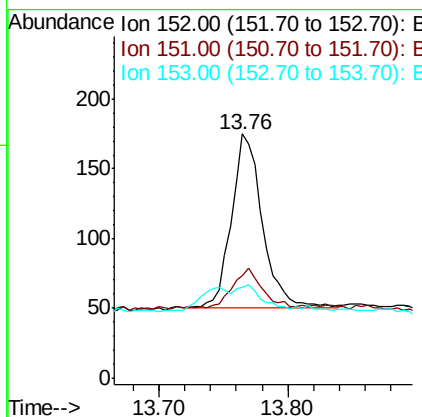
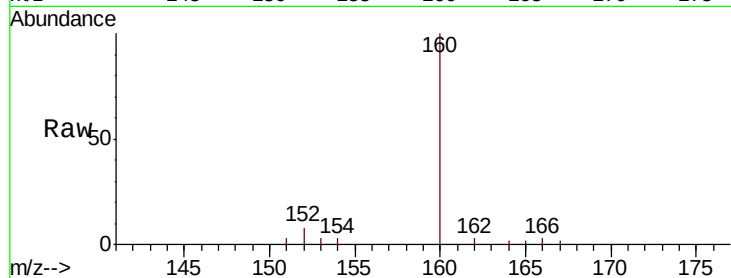
ClientSampleId :

C0B64DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 210   |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 41.7  | 18.2  | 27.4# |
| 153       | 37.1  | 13.1  | 19.7# |

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#12

Phenanthrene

Concen: 0.320 ng/ul

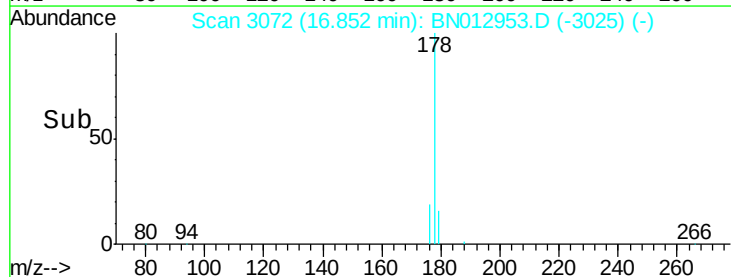
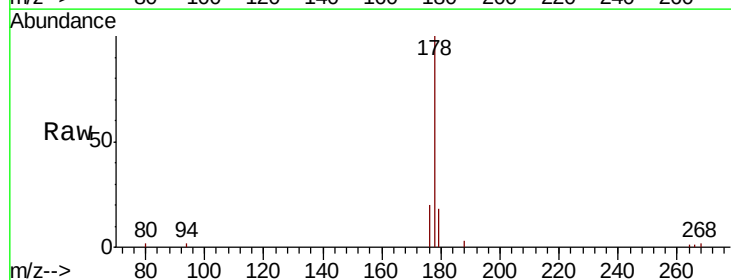
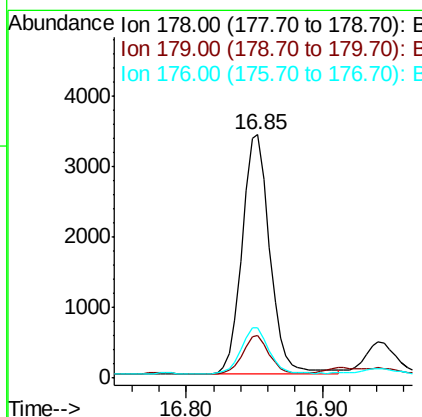
RT: 16.85 min Scan# 3072

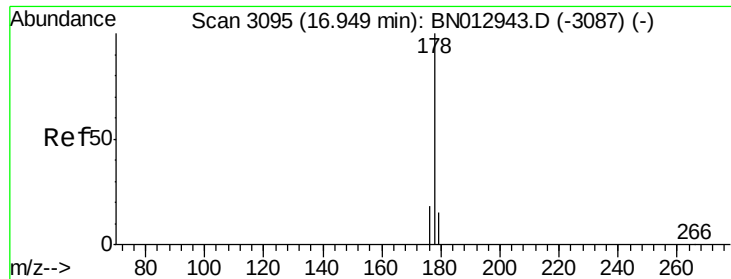
Delta R.T. -0.00 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 4824 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 17.6  | 13.6  | 20.4 |
| 176       | 20.5  | 16.4  | 24.6 |





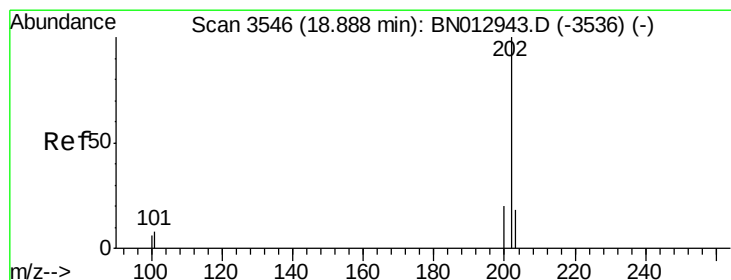
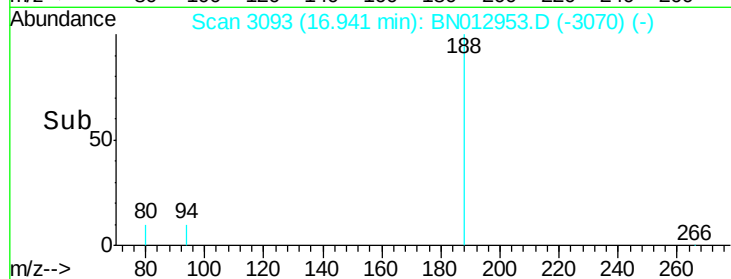
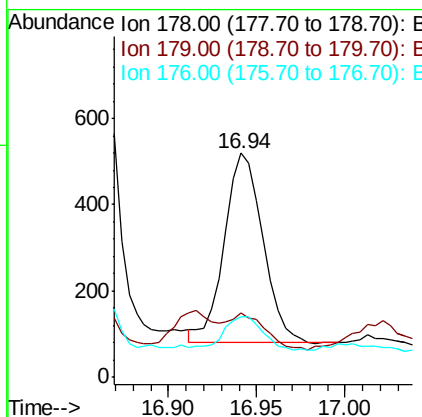
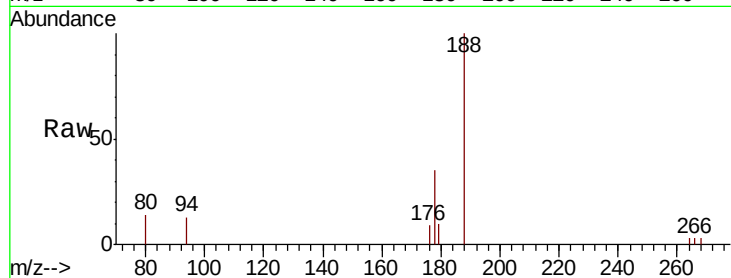
#13  
 Anthracene  
 Concen: 0.051 ng/ul  
 RT: 16.94 min Scan# 3093  
 Delta R.T. -0.00 min  
 Lab File: BN012953.D  
 Acq: 07 Dec 2020 23:31

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B64DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 28.8  | 14.6  | 21.8# |
| 176     | 26.9  | 17.1  | 25.7# |

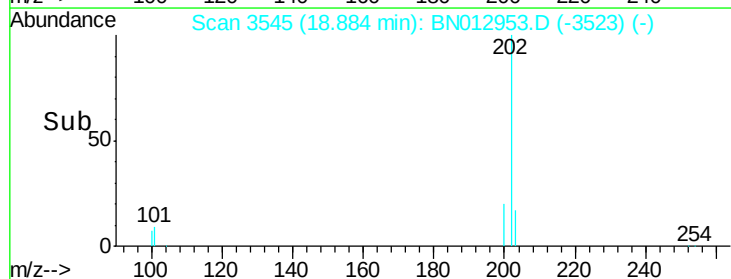
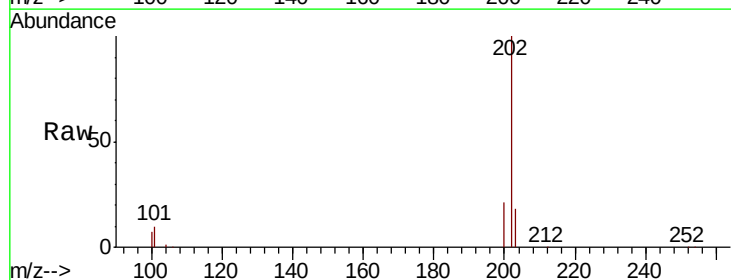
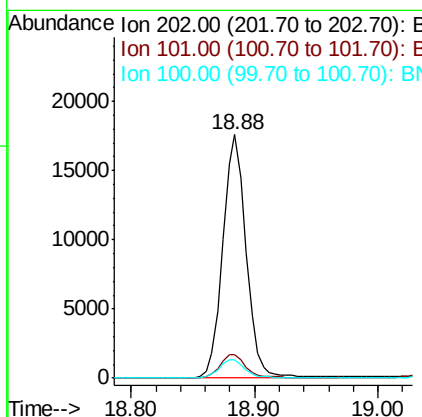
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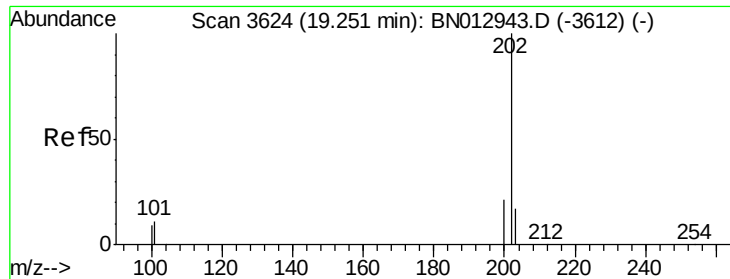
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#15  
 Fluoranthene  
 Concen: 1.277 ng/ul  
 RT: 18.88 min Scan# 3545  
 Delta R.T. -0.00 min  
 Lab File: BN012953.D  
 Acq: 07 Dec 2020 23:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.7   | 0.0   | 30.6  |
| 100     | 7.3   | 0.0   | 28.7  |





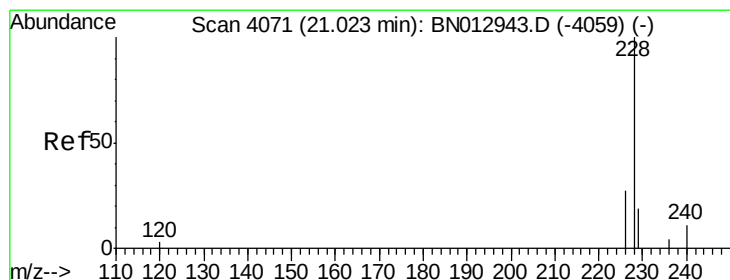
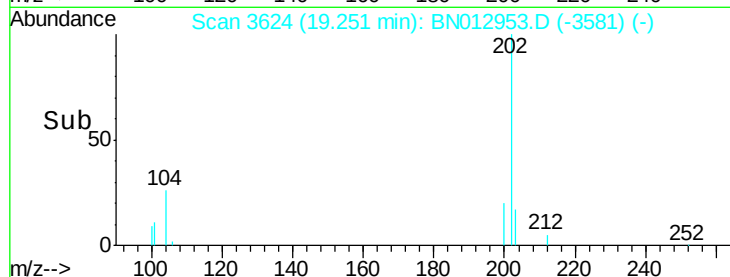
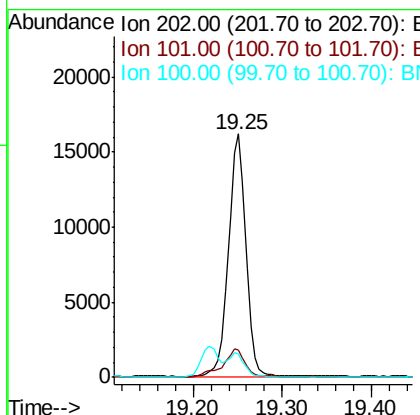
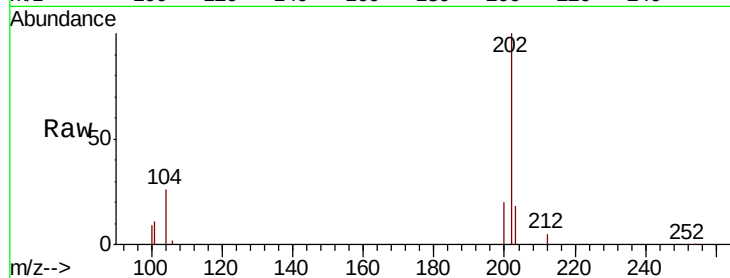
#17  
Pvrene  
Concen: 1.179 ng/ul  
RT: 19.25 min Scan# 3624  
Delta R.T. -0.00 min  
Lab File: BN012953.D  
Acq: 07 Dec 2020 23:31

Instrument :  
BNA\_N  
ClientSampleId :  
C0B64DL

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 11.3  | 9.1        | 13.7       |
| 100     | 9.4   | 7.5        | 11.3       |

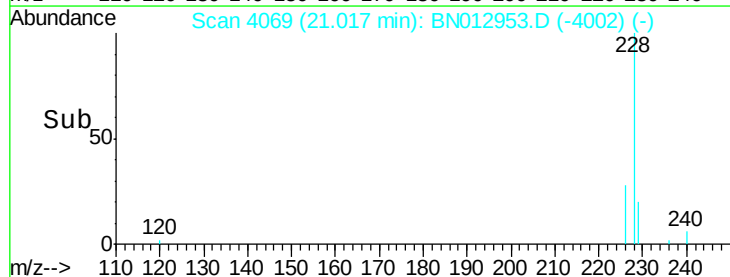
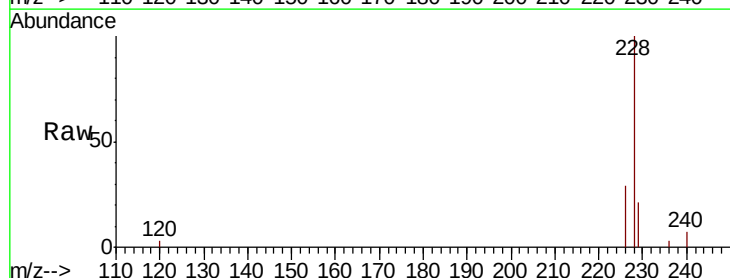
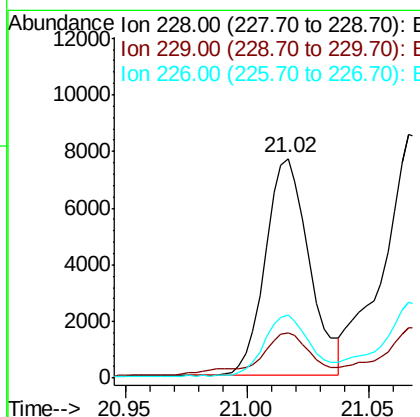
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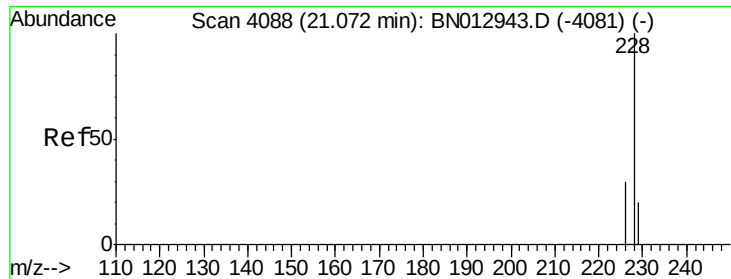
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#18  
Benzo(a)anthracene  
Concen: 0.591 ng/ul  
RT: 21.02 min Scan# 4069  
Delta R.T. -0.00 min  
Lab File: BN012953.D  
Acq: 07 Dec 2020 23:31

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 229     | 20.8  | 16.3       | 24.5       |
| 226     | 28.6  | 23.4       | 35.2       |





#19

Chrysene

Concen: 0.701 ng/ul

RT: 21.07 min Scan# 4086

Delta R.T. -0.01 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

Instrument :

BNA\_N

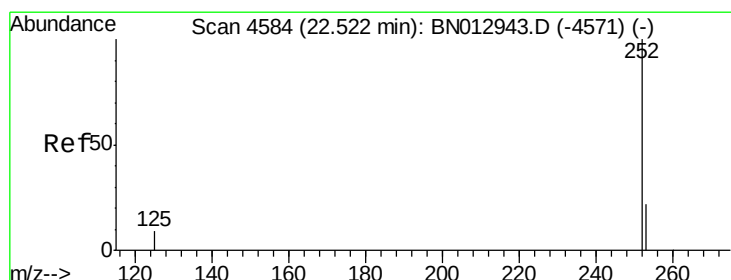
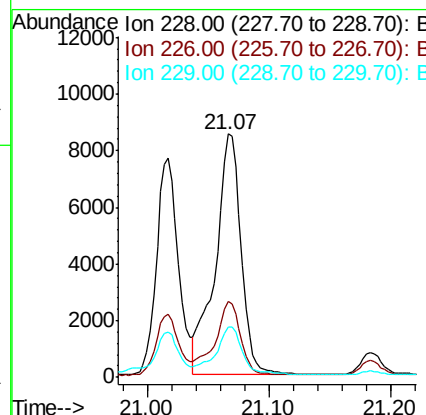
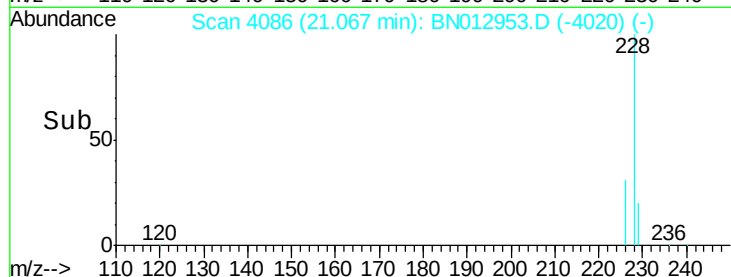
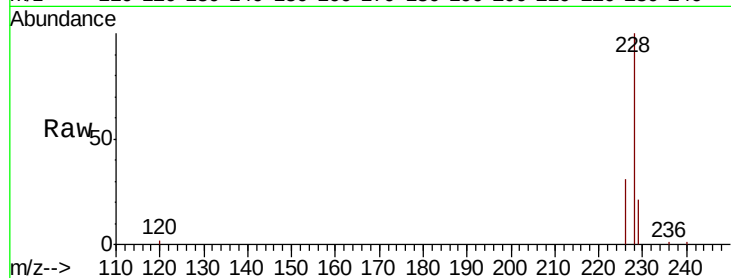
ClientSampleID :

C0B64DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 12545 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.3  | 25.0  | 37.6  |
| 229       | 20.9  | 16.4  | 24.6  |

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#21

Benzo(b)fluoranthene

Concen: 1.028 ng/ul m

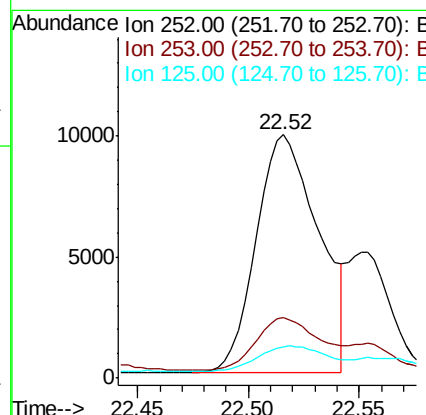
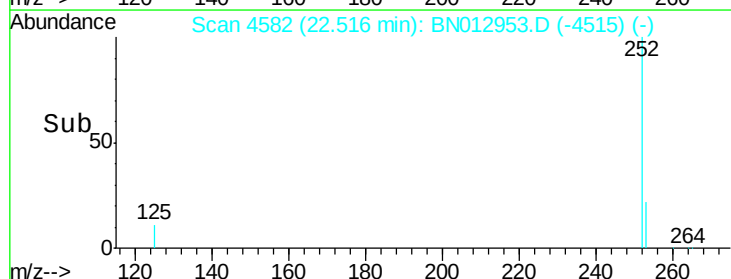
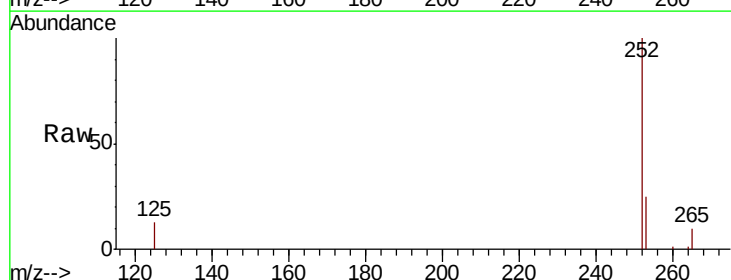
RT: 22.52 min Scan# 4582

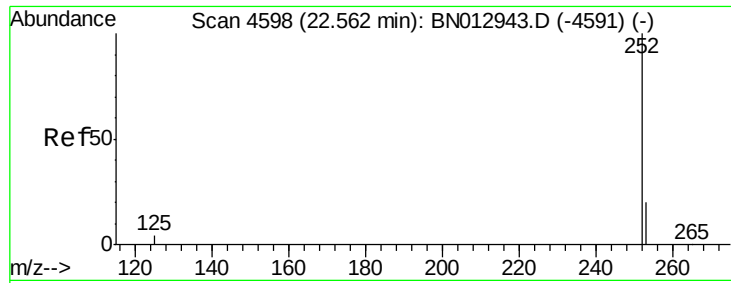
Delta R.T. -0.00 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 19534 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.8  | 0.0   | 59.6  |
| 125       | 12.9  | 0.0   | 26.0  |





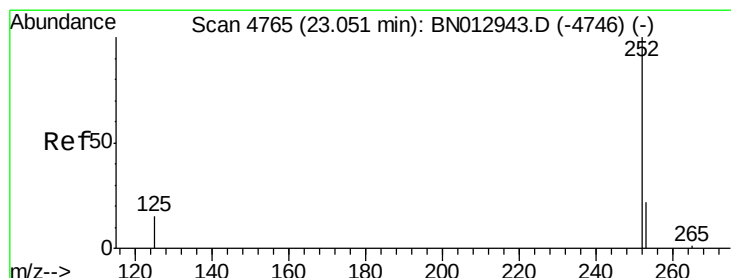
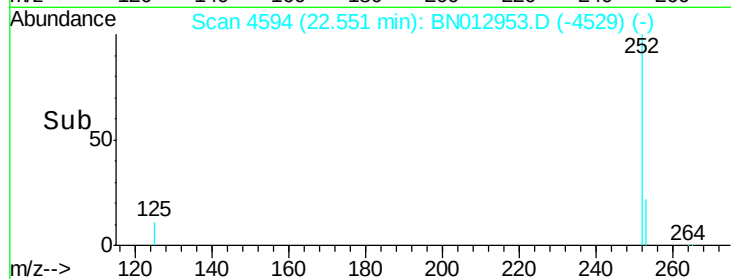
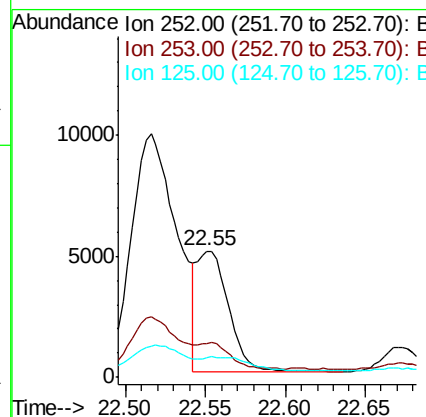
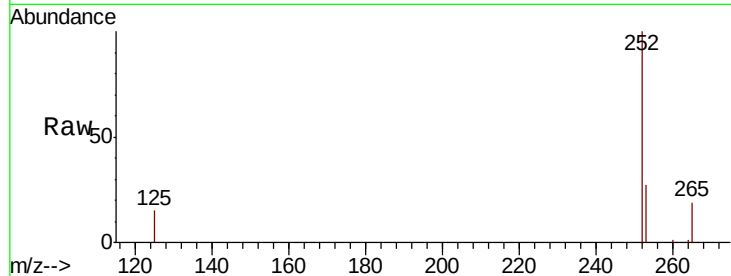
#22  
Benzo(k)fluoranthene  
Concen: 0.319 ng/ul m  
RT: 22.55 min Scan# 4594  
Delta R.T. -0.01 min  
Lab File: BN012953.D  
Acq: 07 Dec 2020 23:31

Instrument :  
BNA\_N  
ClientSampleId :  
C0B64DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.1  | 23.4  | 35.2  |
| 125     | 15.4  | 11.1  | 16.7  |

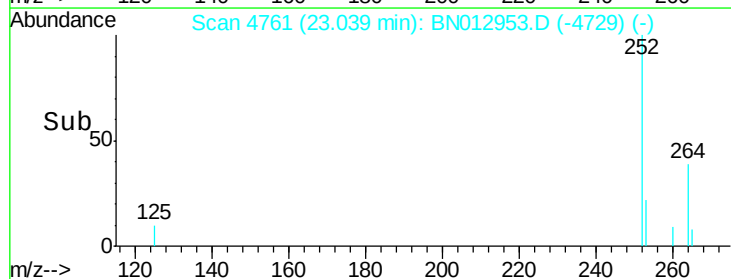
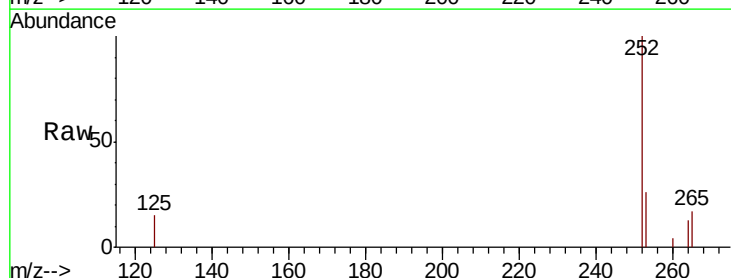
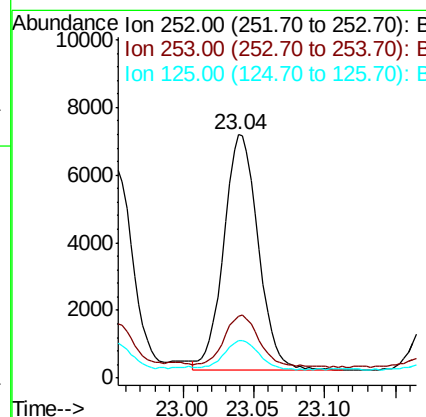
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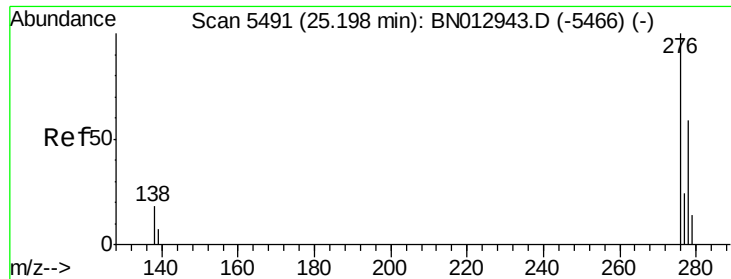
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#23  
Benzo(a)pyrene  
Concen: 0.664 ng/ul  
RT: 23.04 min Scan# 4761  
Delta R.T. -0.01 min  
Lab File: BN012953.D  
Acq: 07 Dec 2020 23:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.6  | 26.5  | 39.7# |
| 125     | 15.2  | 14.2  | 21.2  |





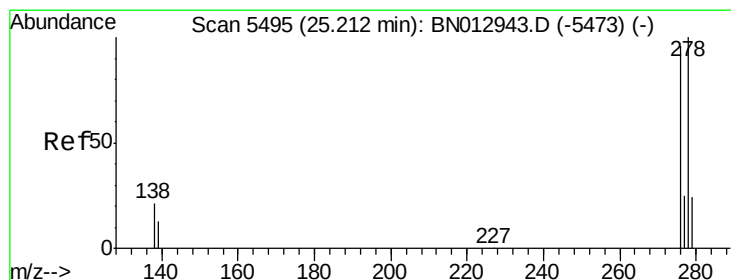
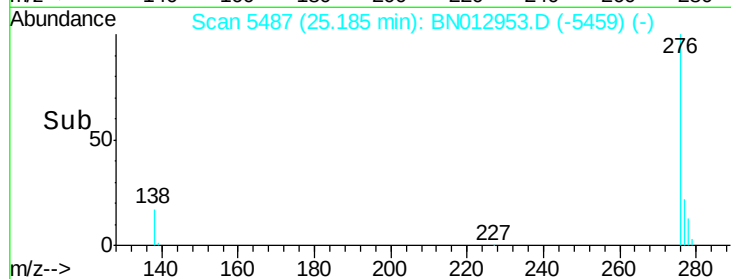
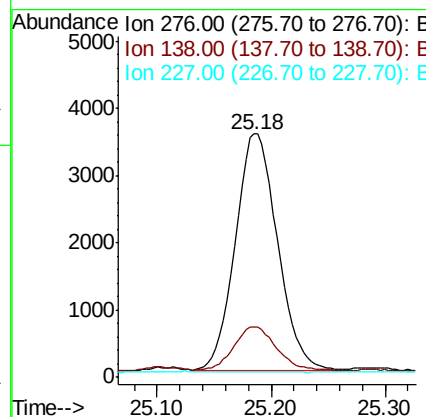
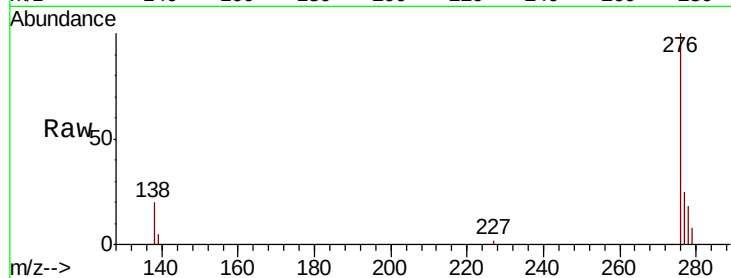
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.388 ng/ul  
 RT: 25.18 min Scan# 5487  
 Delta R.T. -0.01 min  
 Lab File: BN012953.D  
 Acq: 07 Dec 2020 23:31

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B64DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 18.7  | 16.2  | 24.2  |
| 227     | 0.2   | 0.0   | 0.0#  |

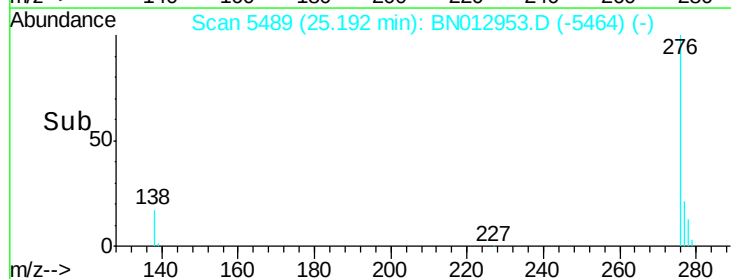
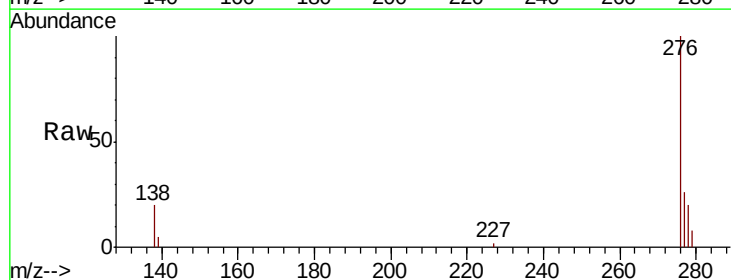
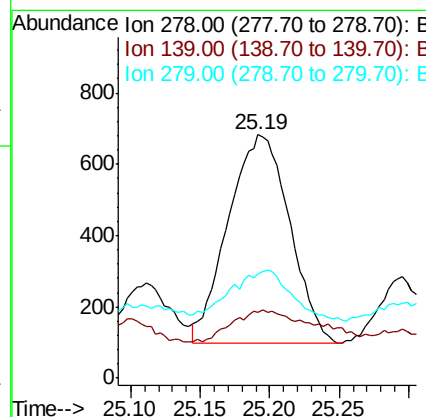
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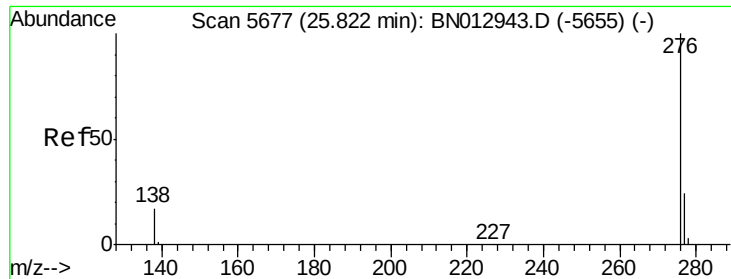


#25  
 Dibenzo(a,h)anthracene  
 Concen: 0.097 ng/ul  
 RT: 25.19 min Scan# 5489  
 Delta R.T. -0.02 min  
 Lab File: BN012953.D  
 Acq: 07 Dec 2020 23:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 27.1  | 14.5  | 21.7# |
| 279     | 42.6  | 26.3  | 39.5# |







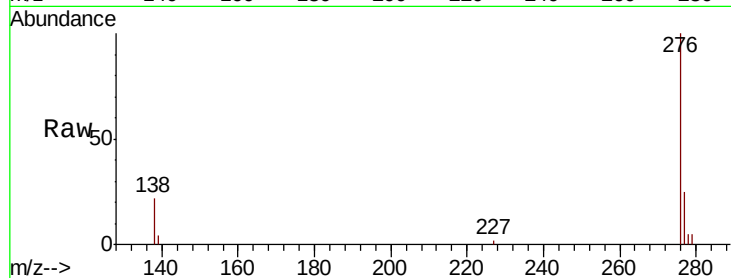
#26  
 Benzo(a,h,i)perylene  
 Concen: 0.424 ng/ul  
 RT: 25.82 min Scan# 5675  
 Delta R.T. -0.01 min  
 Lab File: BN012953.D  
 Acq: 07 Dec 2020 23:31

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B64DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.6  | 16.3  | 24.5  |
| 277     | 25.2  | 21.8  | 32.6  |

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 12/9/2020 12:21:45 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

