

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\  
 Data File : BN009075.D  
 Acq On : 20 Dec 2019 19:16  
 Operator : JU  
 Sample : K6171-04DL 10X  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BS6DL

Manual Integrations  
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 12/23/2019 11:54:38 AM

Quant Time: Dec 20 23:26:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 20 22:55:30 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.54  | 152  | 4028     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.29 | 136  | 15346    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.16 | 164  | 8199     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.91 | 188  | 15546    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.12 | 240  | 8649     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.26 | 264  | 8373     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.89 | 152  | 466      | 0.02   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.95 | 212  | 862      | 0.02   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 13.88 | 152  | 1569     | 0.036  | ng/ul# | 90       |
| 12) Phenanthrene            | 16.95 | 178  | 12612    | 0.233  | ng/ul  | 99       |
| 13) Anthracene              | 17.04 | 178  | 2840     | 0.059  | ng/ul# | 94       |
| 15) Fluoranthene            | 18.98 | 202  | 48700    | 0.788  | ng/ul  | 98       |
| 17) Pyrene                  | 19.34 | 202  | 38457    | 0.872  | ng/ul  | 98       |
| 18) Benzo(a)anthracene      | 21.10 | 228  | 15234    | 0.397  | ng/ul  | 96       |
| 19) Chrysene                | 21.15 | 228  | 14126    | 0.366  | ng/ul  | 96       |
| 21) Benzo(b)fluoranthene    | 22.63 | 252  | 17627m   | 0.451  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.66 | 252  | 6466m    | 0.164  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.16 | 252  | 11101    | 0.324  | ng/ul# | 91       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.35 | 276  | 7737     | 0.207  | ng/ul# | 92       |
| 25) Dibenzo(a,h)anthracene  | 25.36 | 278  | 1773     | 0.060  | ng/ul# | 54       |
| 26) Benzo(g,h,i)perylene    | 25.99 | 276  | 7393     | 0.235  | ng/ul  | 94       |

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

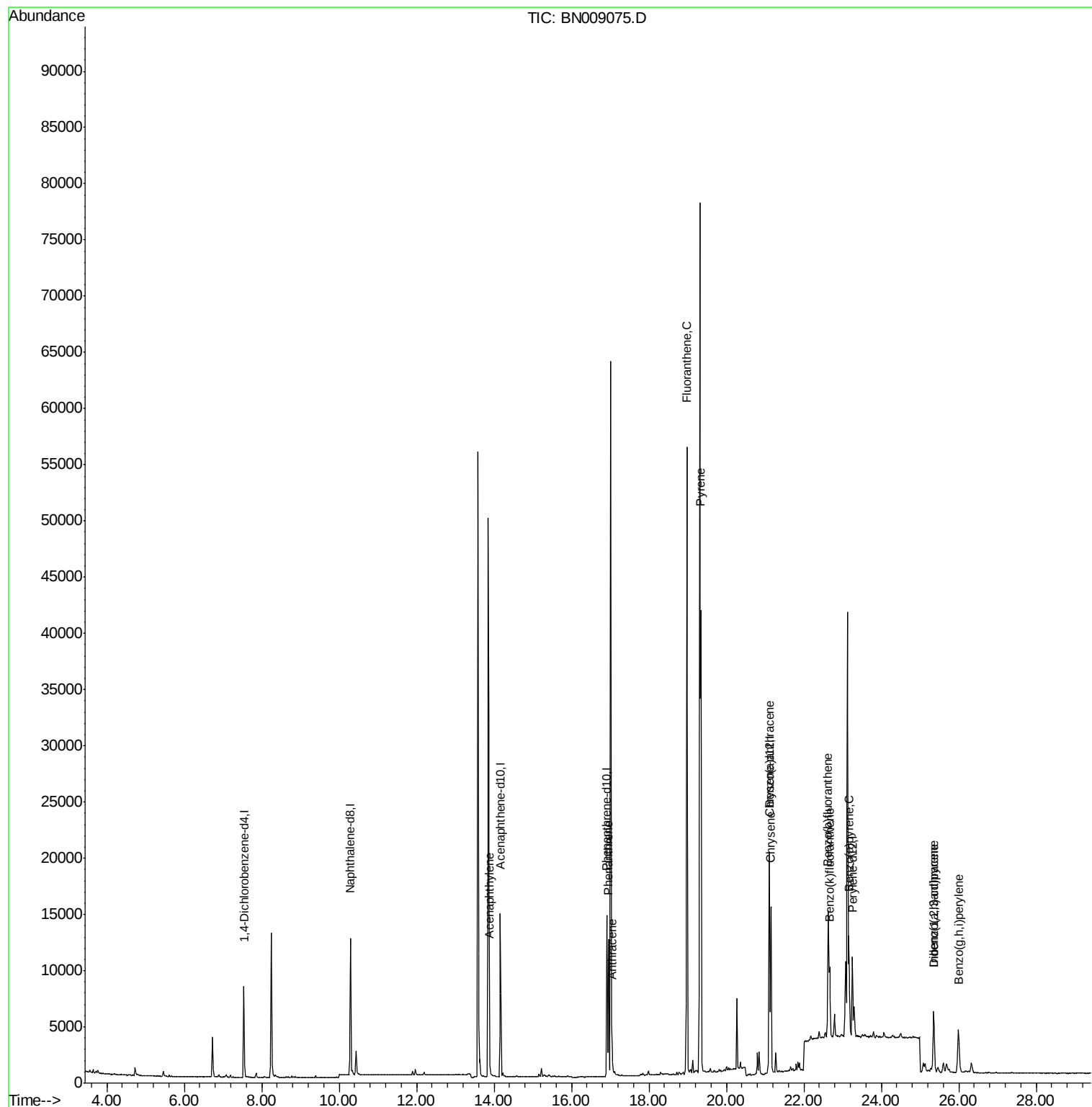
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\  
Data File : BN009075.D  
Acq On : 20 Dec 2019 19:16  
Operator : JU  
Sample : K6171-04DL 10X  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

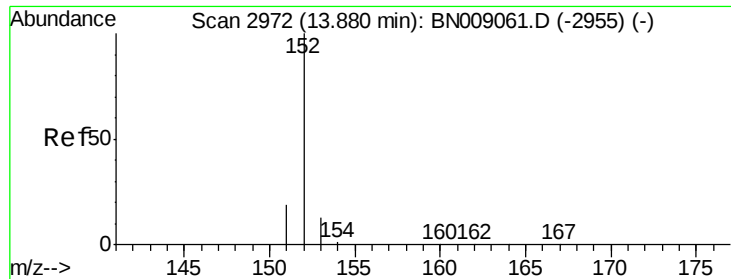
Instrument :  
BNA\_N  
ClientSampleId :  
C0BS6DL

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Quant Time: Dec 20 23:26:53 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 20 22:55:30 2019  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.036 ng/ul

RT: 13.88 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BN009075.D

Acq: 20 Dec 2019 19:16

Instrument :

BNA\_N

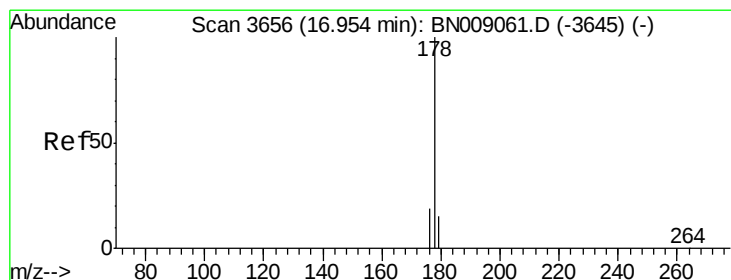
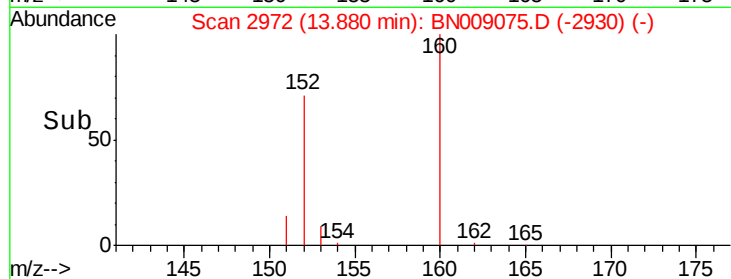
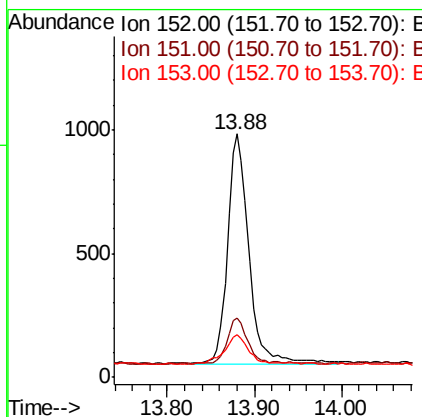
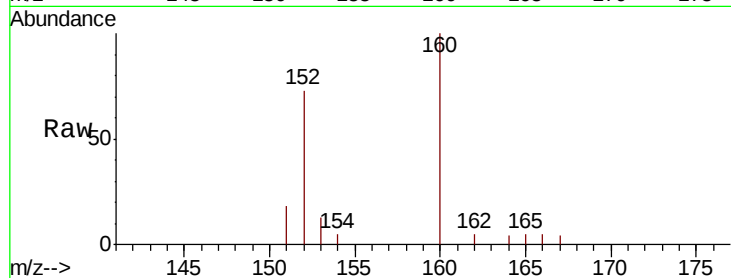
ClientSampleId :

C0BS6DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 1569  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 24.1  | 15.7  | 23.5# |
| 153       | 17.4  | 10.8  | 16.2# |

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#12

Phenanthrene

Concen: 0.233 ng/ul

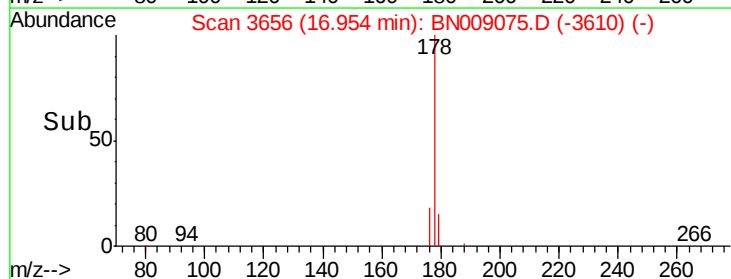
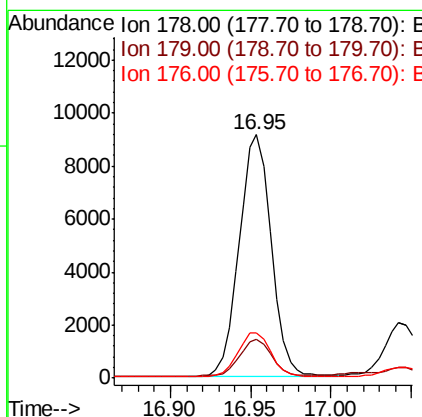
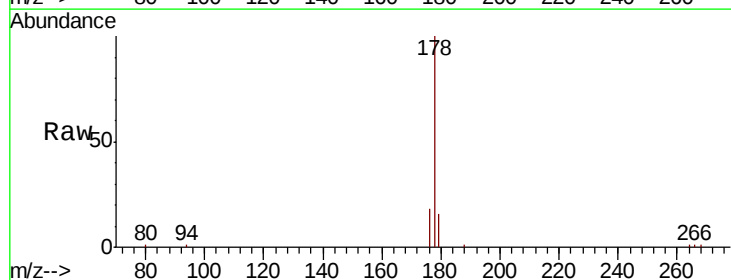
RT: 16.95 min Scan# 3656

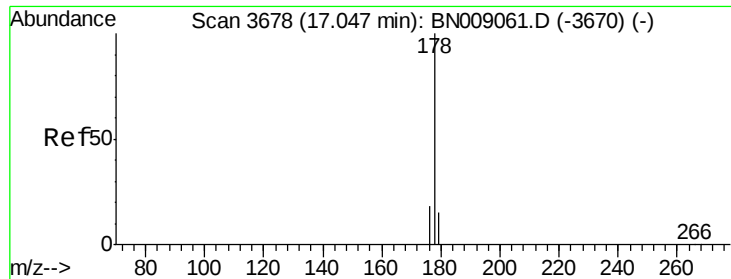
Delta R.T. -0.00 min

Lab File: BN009075.D

Acq: 20 Dec 2019 19:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 12612 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.1  | 12.3  | 18.5  |
| 176       | 18.4  | 15.1  | 22.7  |





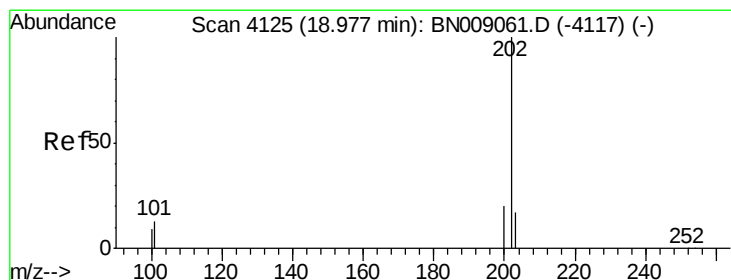
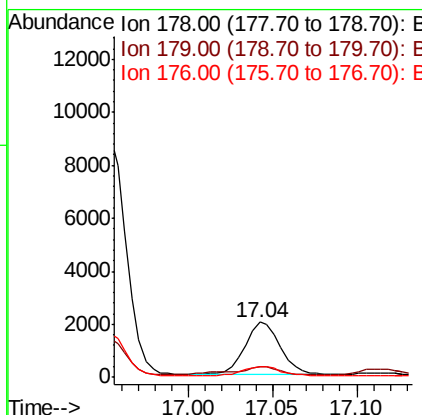
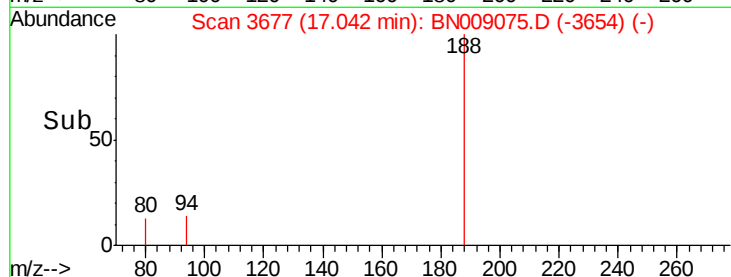
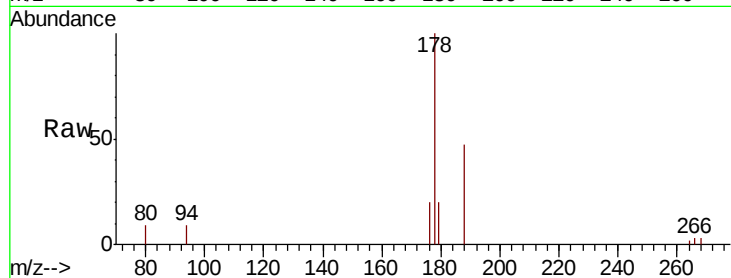
#13  
 Anthracene  
 Concen: 0.059 ng/ul  
 RT: 17.04 min Scan# 3677  
 Delta R.T. -0.00 min  
 Lab File: BN009075.D  
 Acq: 20 Dec 2019 19:16

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BS6DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 19.5  | 12.5  | 18.7# |
| 176     | 19.9  | 14.9  | 22.3  |

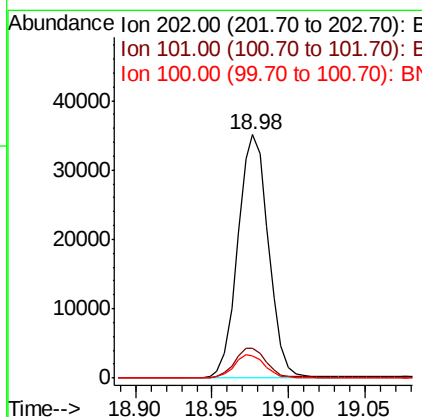
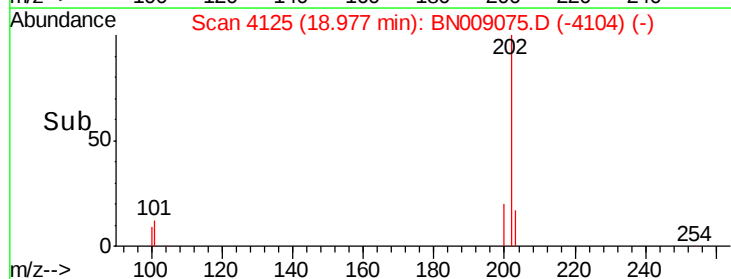
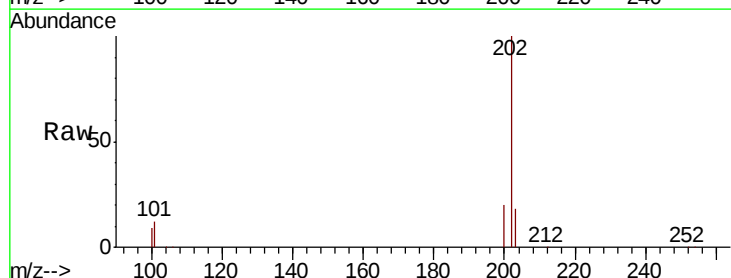
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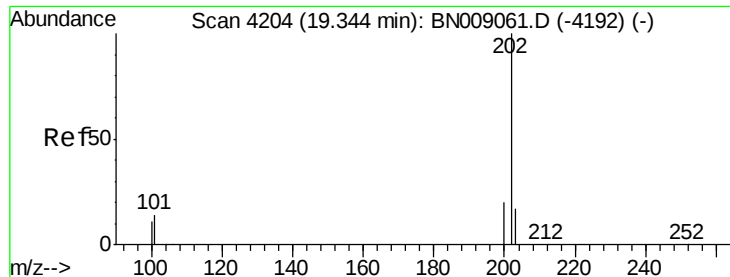
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#15  
 Fluoranthene  
 Concen: 0.788 ng/ul  
 RT: 18.98 min Scan# 4125  
 Delta R.T. -0.00 min  
 Lab File: BN009075.D  
 Acq: 20 Dec 2019 19:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.5  | 0.0   | 31.5  |
| 100     | 9.4   | 0.0   | 28.9  |





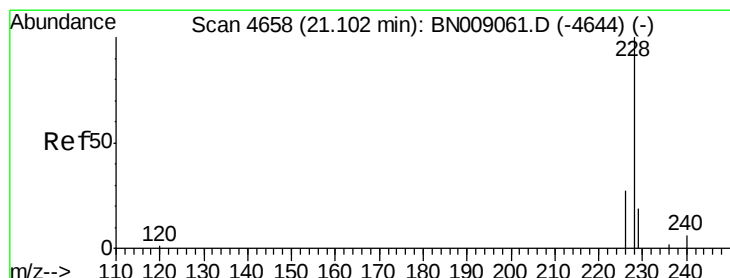
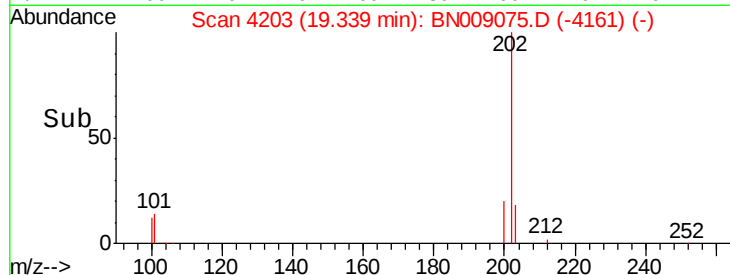
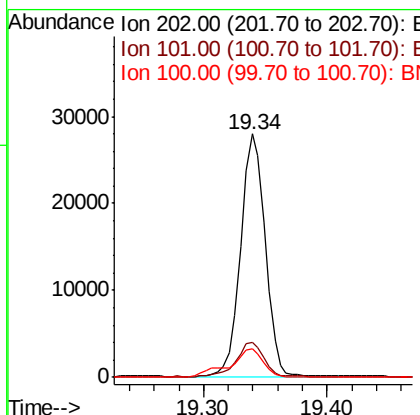
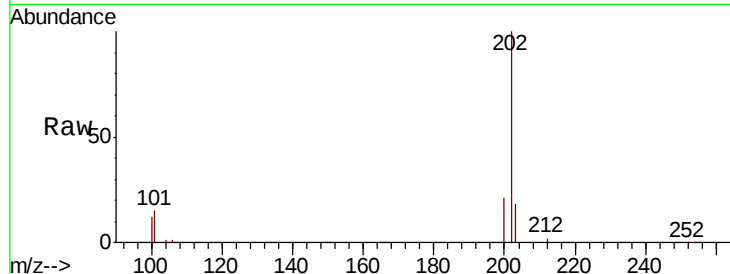
#17  
Pvrene  
Concen: 0.872 ng/ul  
RT: 19.34 min Scan# 4203  
Delta R.T. -0.00 min  
Lab File: BN009075.D  
Acq: 20 Dec 2019 19:16

Instrument :  
BNA\_N  
ClientSampleId :  
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| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 14.6  | 10.9       | 16.3       |
| 100     | 11.8  | 9.0        | 13.6       |

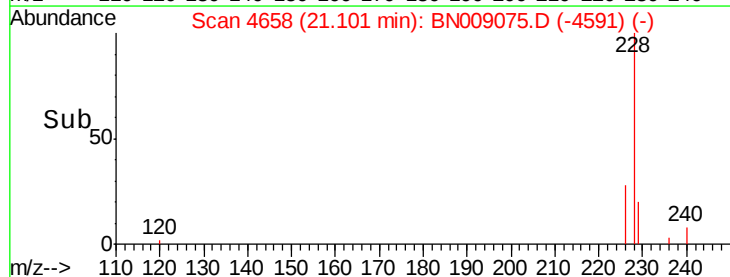
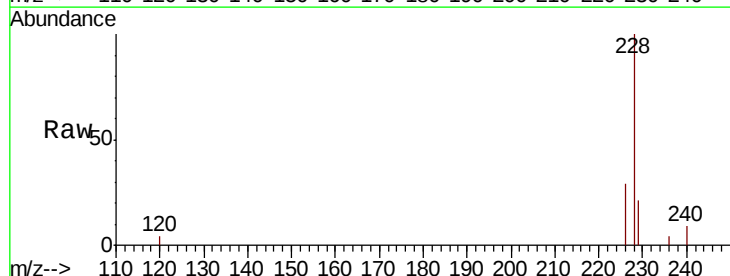
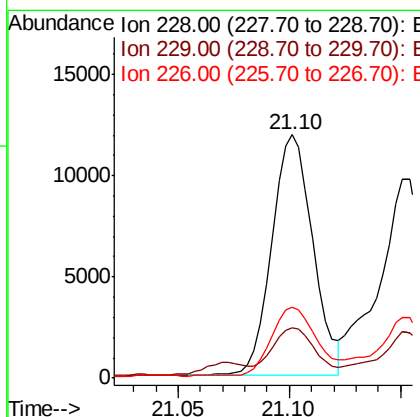
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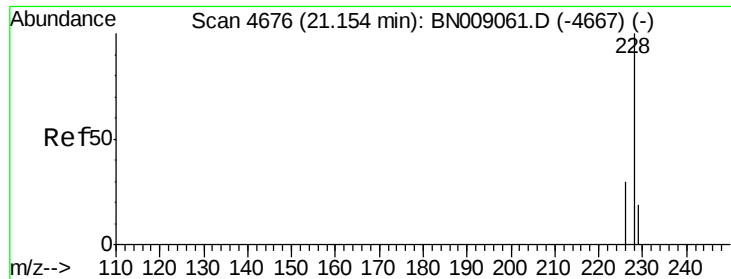
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#18  
Benzo(a)anthracene  
Concen: 0.397 ng/ul  
RT: 21.10 min Scan# 4658  
Delta R.T. -0.00 min  
Lab File: BN009075.D  
Acq: 20 Dec 2019 19:16

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 229     | 20.8  | 15.5       | 23.3       |
| 226     | 29.2  | 21.7       | 32.5       |





#19

Chrysene

Concen: 0.366 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.00 min

Lab File: BN009075.D

Acq: 20 Dec 2019 19:16

Instrument :

BNA\_N

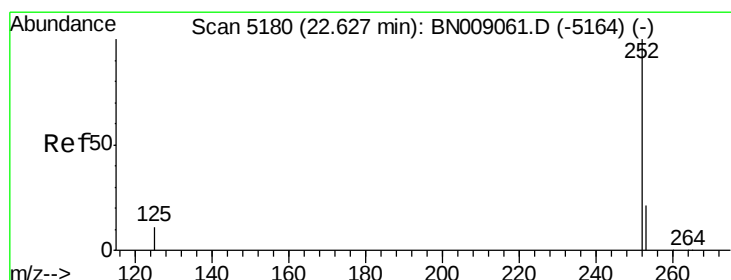
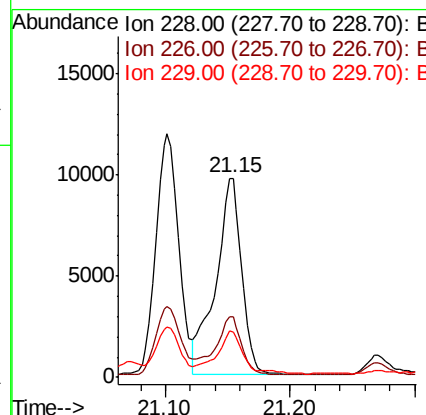
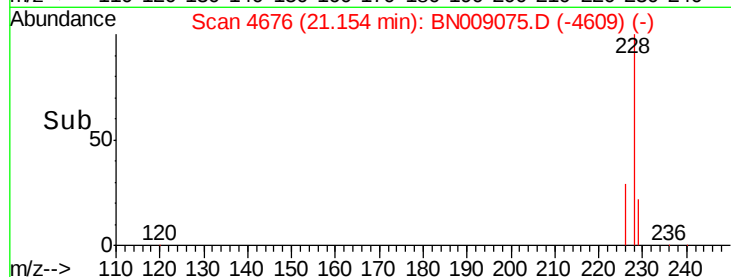
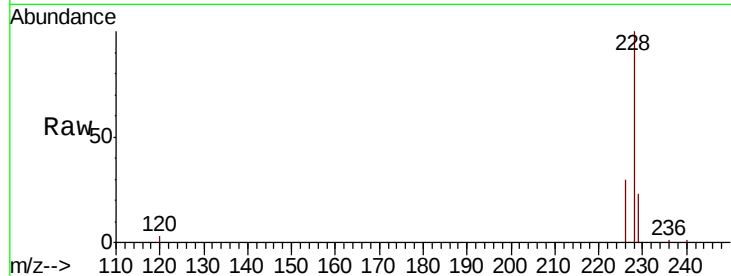
ClientSampleId :

C0BS6DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 228   | Resp: | 14126 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 30.2  | 23.7  | 35.5  |
| 229      | 23.0  | 15.4  | 23.0  |

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#21

Benzo(b)fluoranthene

Concen: 0.451 ng/ul m

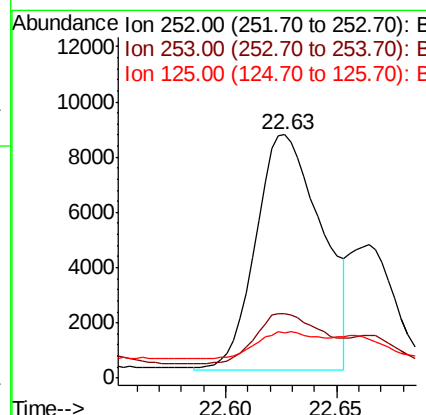
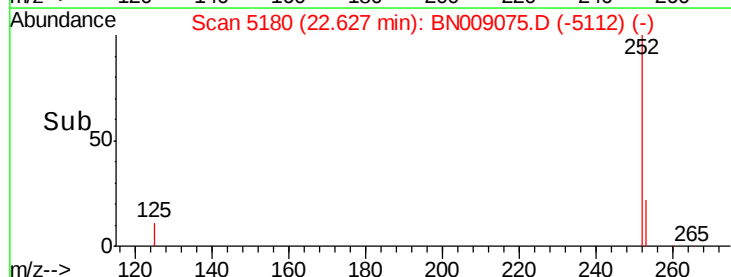
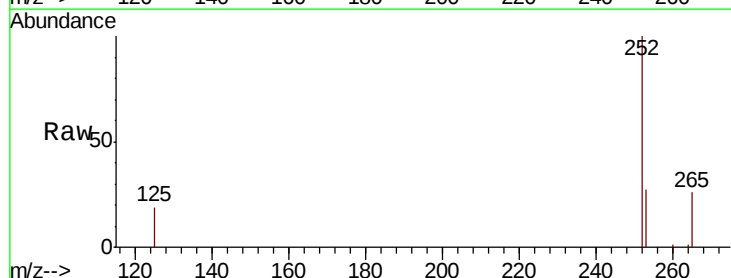
RT: 22.63 min Scan# 5180

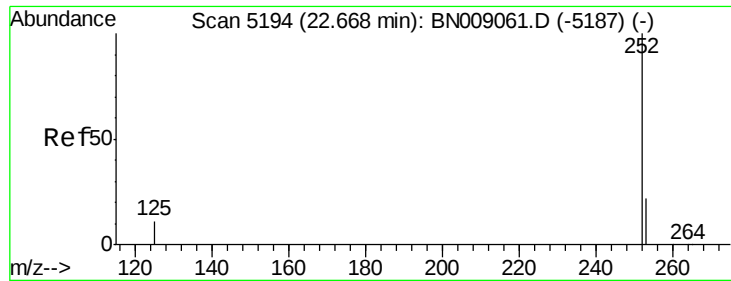
Delta R.T. -0.00 min

Lab File: BN009075.D

Acq: 20 Dec 2019 19:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 17627 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 26.6  | 0.0   | 48.2  |
| 125      | 18.7  | 0.0   | 30.0  |





#22

Benzo(k)fluoranthene

Concen: 0.164 ng/ul m

RT: 22.66 min Scan# 5193

Delta R.T. -0.00 min

Lab File: BN009075.D

Acq: 20 Dec 2019 19:16

Instrument :

BNA\_N

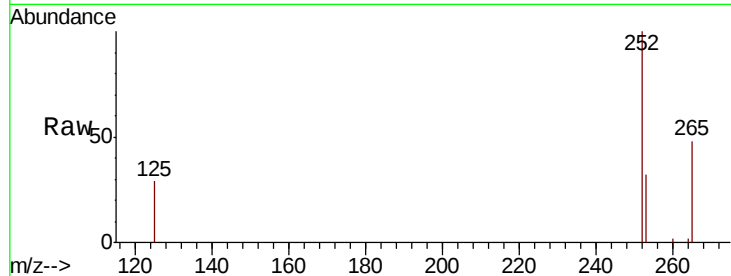
ClientSampleId :

C0BS6DL

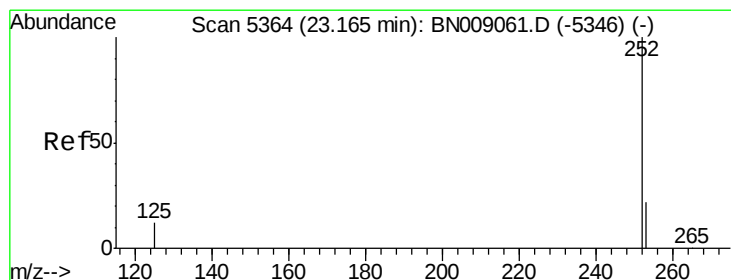
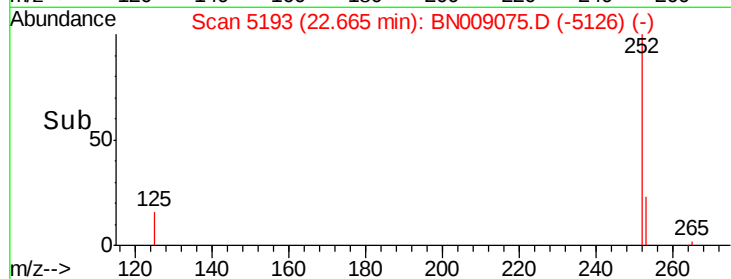
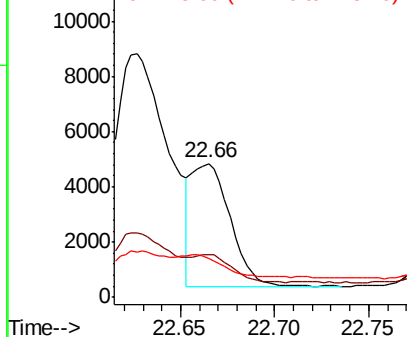
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 6466  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 32.2  | 19.4  | 29.0# |
| 125       | 29.4  | 12.4  | 18.6# |

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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



#23

Benzo(a)pyrene

Concen: 0.324 ng/ul

RT: 23.16 min Scan# 5363

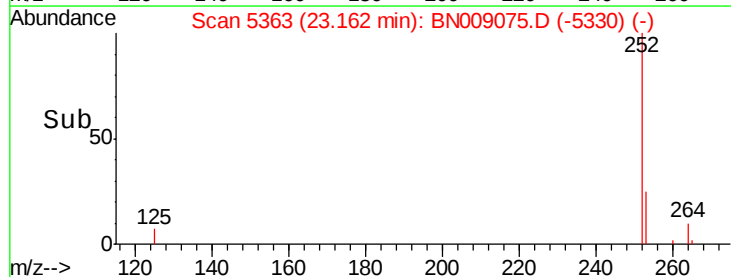
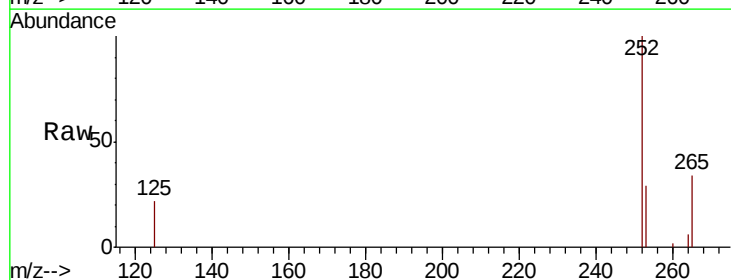
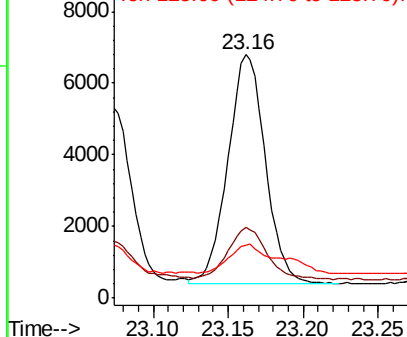
Delta R.T. -0.00 min

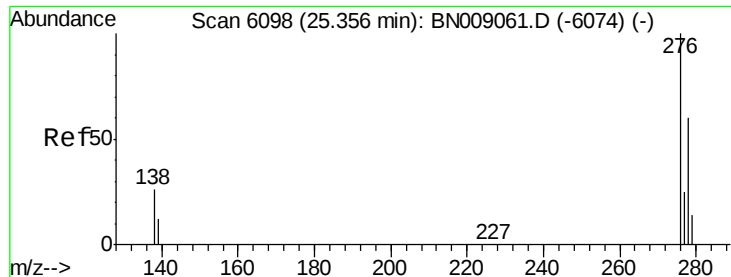
Lab File: BN009075.D

Acq: 20 Dec 2019 19:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 11101 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 29.2  | 20.2  | 30.4  |
| 125       | 21.5  | 13.2  | 19.8# |

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





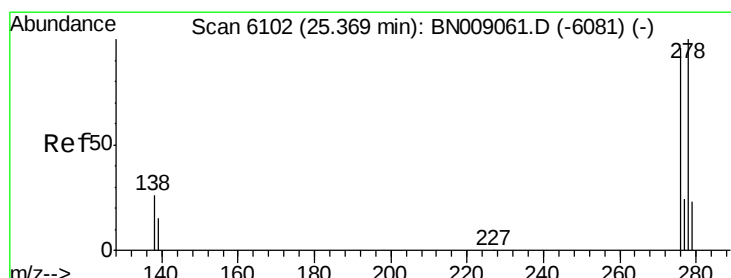
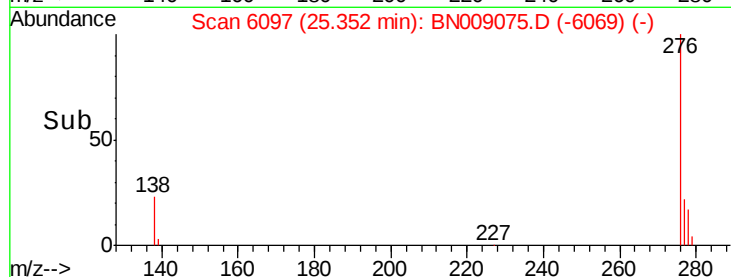
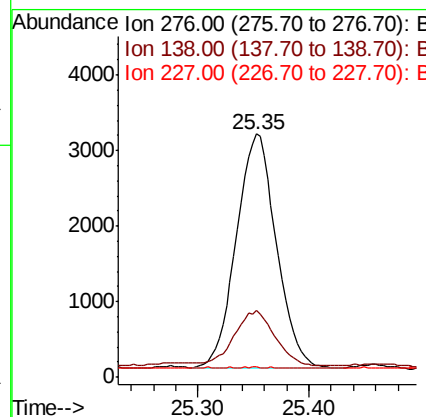
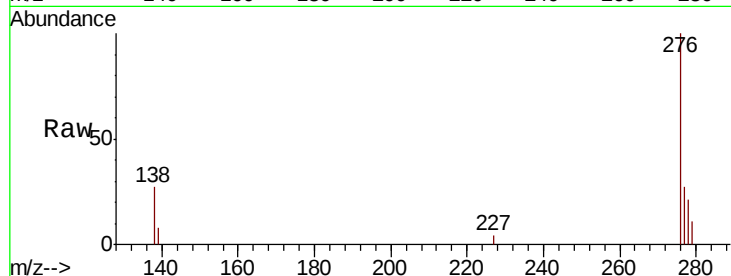
#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.207 ng/ul  
RT: 25.35 min Scan# 6097  
Delta R.T. -0.01 min  
Lab File: BN009075.D  
Acq: 20 Dec 2019 19:16

Instrument :  
BNA\_N  
ClientSampleId :  
C0BS6DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.0  | 22.4  | 33.6  |
| 227     | 0.1   | 0.2   | 0.4   |

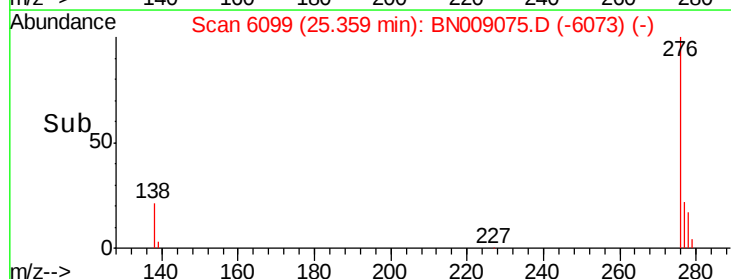
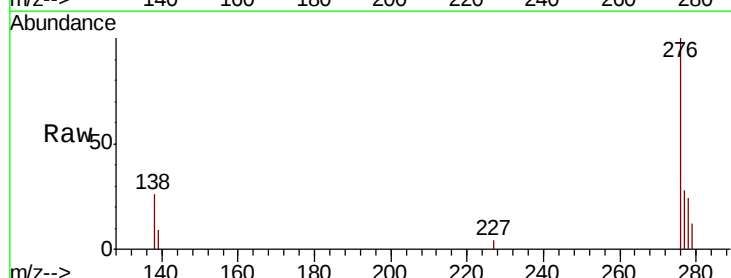
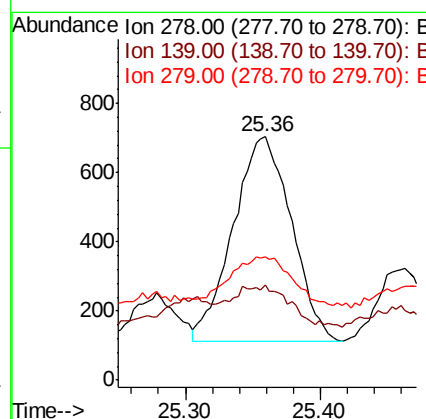
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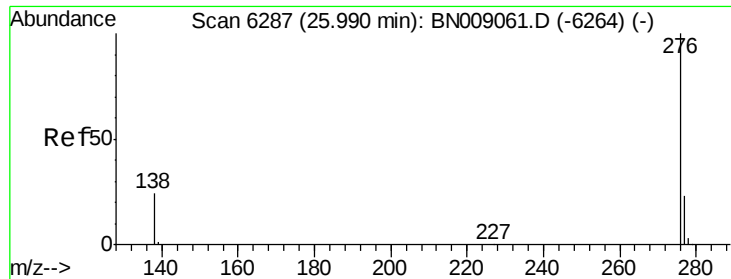
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#25  
Dibenzo(a,h)anthracene  
Concen: 0.060 ng/ul  
RT: 25.36 min Scan# 6099  
Delta R.T. -0.01 min  
Lab File: BN009075.D  
Acq: 20 Dec 2019 19:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 38.9  | 16.2  | 24.2  |
| 279     | 50.9  | 20.3  | 30.5  |





#26  
Benzo(a,h,i)perylene  
Concen: 0.235 ng/ul  
RT: 25.99 min Scan# 6287  
Delta R.T. -0.00 min  
Lab File: BN009075.D  
Acq: 20 Dec 2019 19:16

Instrument :  
BNA\_N  
ClientSampleId :  
C0BS6DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 28.8  | 20.6  | 30.8  |
| 277     | 27.8  | 19.6  | 29.4  |

Manual Integrations  
APPROVED

mohammad  
12/23/2019 11:54:38 AM

