

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\  
 Data File : BN006232.D  
 Acq On : 10 Jun 2019 20:36  
 Operator : JU/SJ  
 Sample : K3017-15  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51E8

Manual Integrations  
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 6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:06:43 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Jun 09 05:10:30 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.65  | 152  | 4105     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.42 | 136  | 15792    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.30 | 164  | 8173     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.05 | 188  | 16691m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.27 | 240  | 13166m   | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.50 | 264  | 18236    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.02 | 152  | 4381     | 0.18   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.09 | 212  | 9656m    | 0.22   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 14.01 | 152  | 1826     | 0.040  | ng/ul# | 87       |
| 12) Phenanthrene            | 17.09 | 178  | 25545    | 0.477  | ng/ul  | 99       |
| 15) Fluoranthene            | 19.12 | 202  | 86731m   | 1.466  | ng/ul  |          |
| 17) Pyrene                  | 19.49 | 202  | 70804    | 1.021  | ng/ul  | 100      |
| 18) Benzo(a)anthracene      | 21.25 | 228  | 24882m   | 0.427  | ng/ul  |          |
| 19) Chrysene                | 21.30 | 228  | 40405    | 0.739  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 22.83 | 252  | 57845m   | 0.761  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.87 | 252  | 22060m   | 0.298  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.40 | 252  | 34056    | 0.481  | ng/ul  | 99       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.73 | 276  | 29144    | 0.380  | ng/ul# | 87       |
| 25) Dibenzo(a,h)anthracene  | 25.73 | 278  | 6044     | 0.099  | ng/ul# | 71       |
| 26) Benzo(g,h,i)perylene    | 26.41 | 276  | 27896    | 0.434  | ng/ul  | 99       |

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

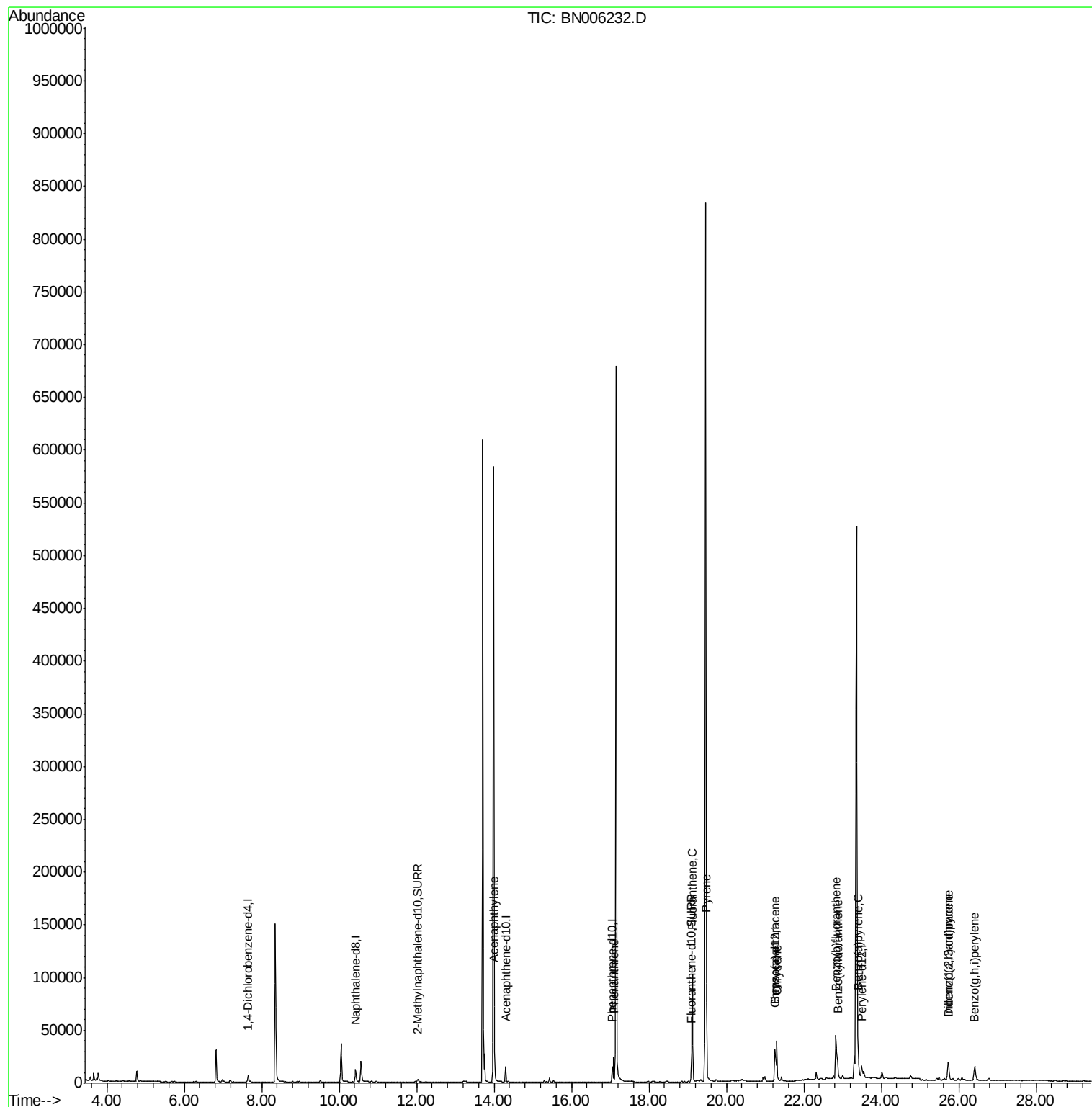
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\  
Data File : BN006232.D  
Acq On : 10 Jun 2019 20:36  
Operator : JU/SJ  
Sample : K3017-15  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

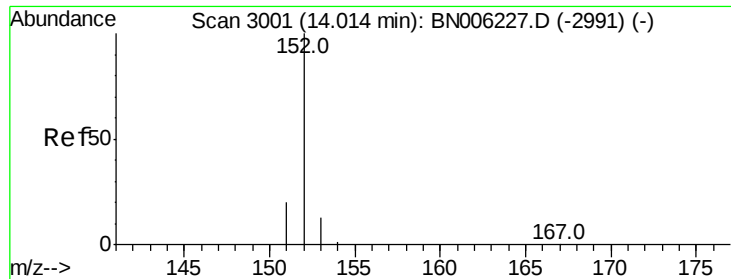
Instrument :  
BNA\_N  
ClientSampleId :  
A51E8

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Quant Time: Jun 11 02:06:43 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Jun 09 05:10:30 2019  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.040 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006232.D

Acq: 10 Jun 2019 20:36

Instrument :

BNA\_N

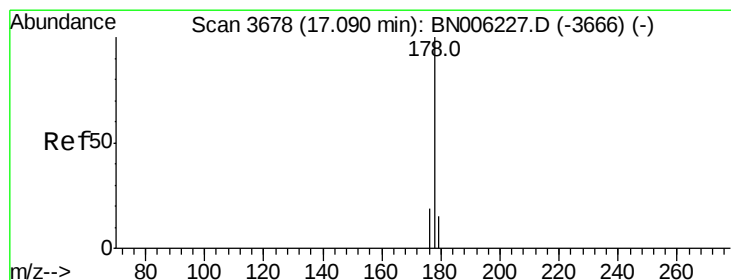
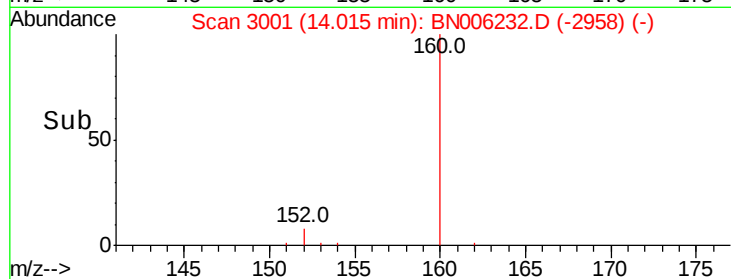
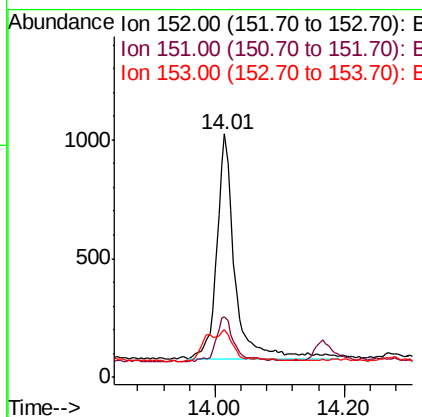
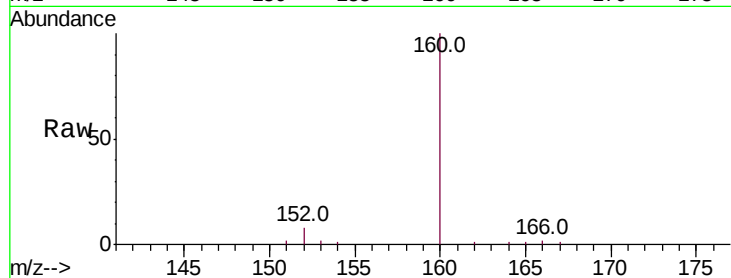
ClientSampled :

A51E8

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 1826  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 24.9  | 15.8  | 23.8# |
| 153       | 19.4  | 10.8  | 16.2# |

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#12

Phenanthrene

Concen: 0.477 ng/ul

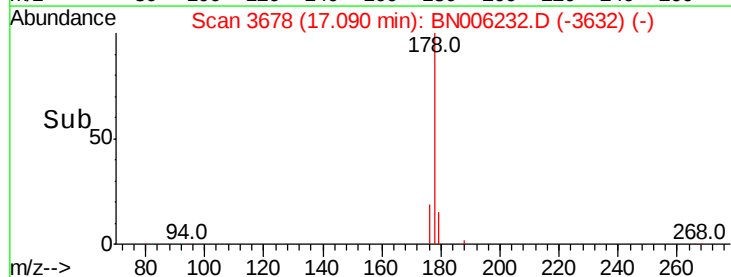
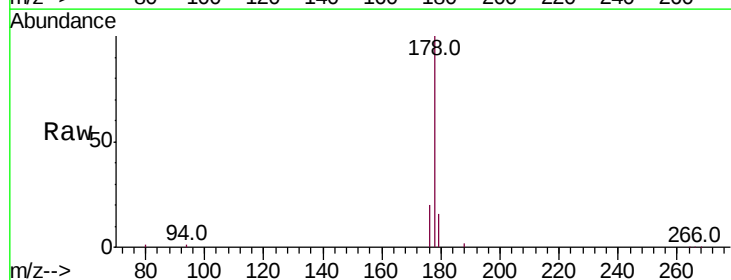
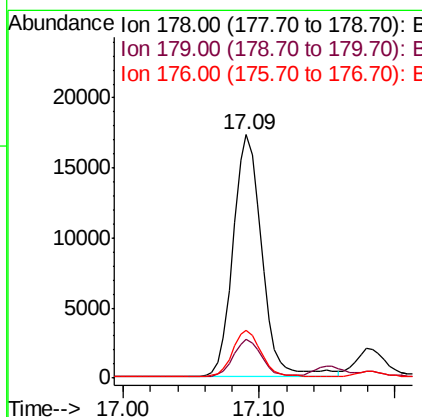
RT: 17.09 min Scan# 3678

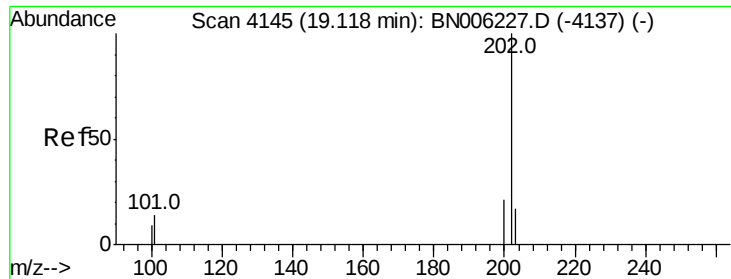
Delta R.T. -0.00 min

Lab File: BN006232.D

Acq: 10 Jun 2019 20:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 25545 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 15.8  | 12.3  | 18.5  |
| 176       | 19.7  | 15.3  | 22.9  |





#15

Fluoranthene

Concen: 1.466 ng/ul m

RT: 19.12 min Scan# 4145

Delta R.T. -0.00 min

Lab File: BN006232.D

Acq: 10 Jun 2019 20:36

Instrument :

BNA\_N

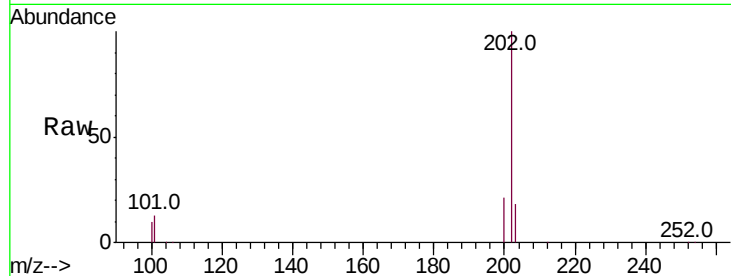
ClientSampleId :

A51E8

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 86731 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.4  | 0.0   | 32.1  |
| 100       | 9.9   | 0.0   | 28.7  |

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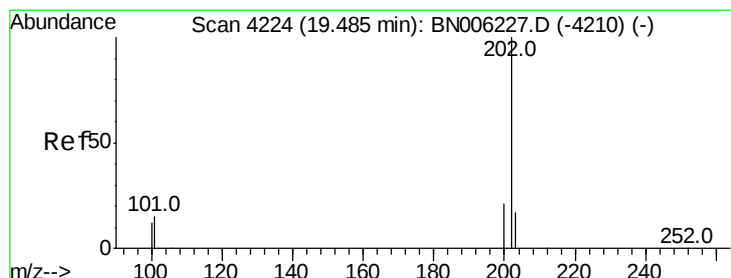
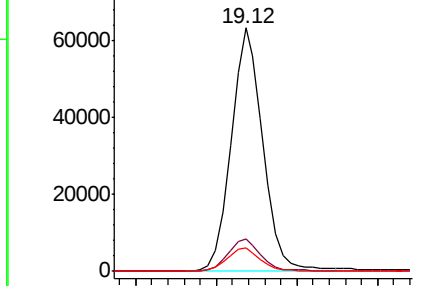
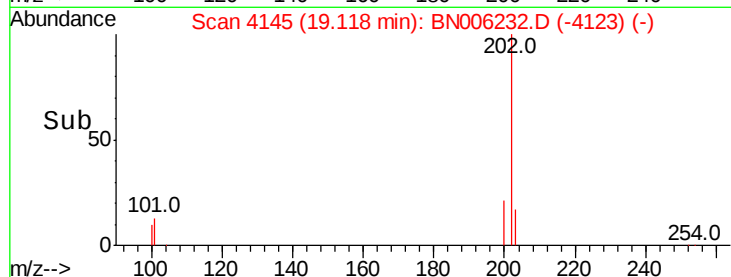
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 1.021 ng/ul

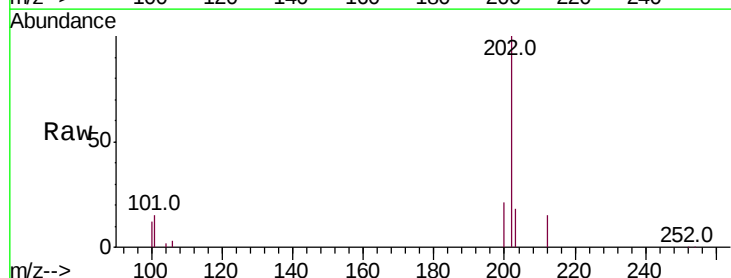
RT: 19.49 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN006232.D

Acq: 10 Jun 2019 20:36

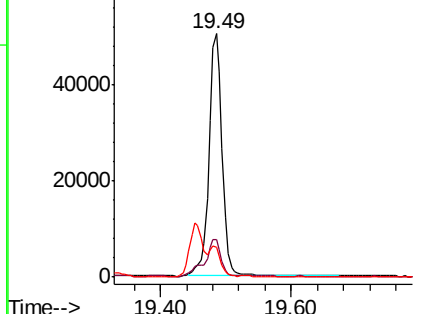
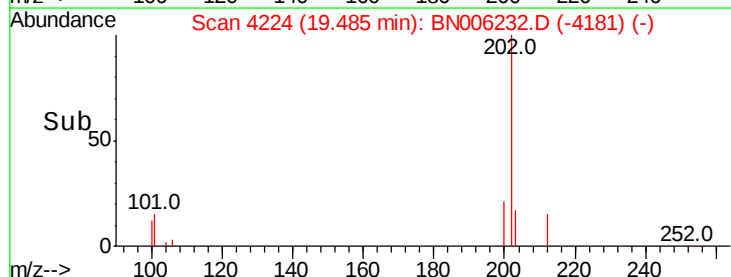
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 70804 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 15.2  | 12.2  | 18.2  |
| 100       | 12.1  | 9.8   | 14.6  |

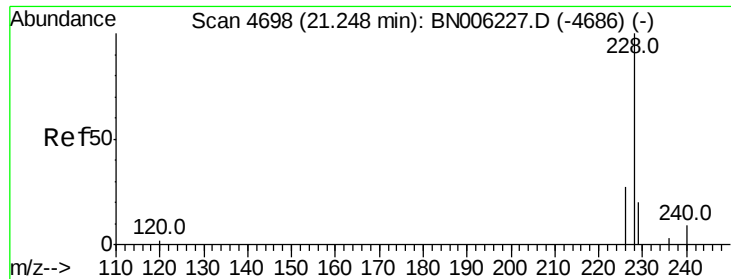


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.427 ng/ul m

RT: 21.25 min Scan# 4698

Delta R.T. -0.00 min

Lab File: BN006232.D

Acq: 10 Jun 2019 20:36

Instrument :

BNA\_N

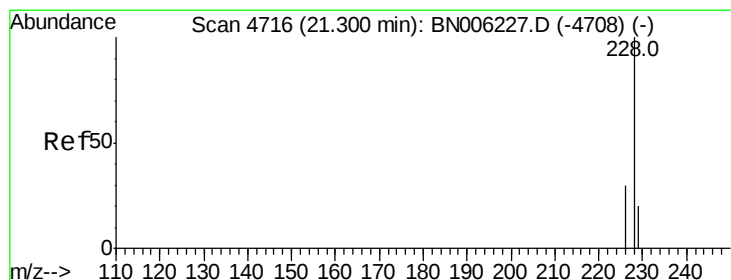
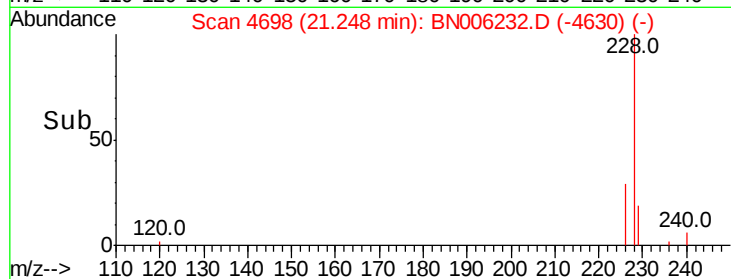
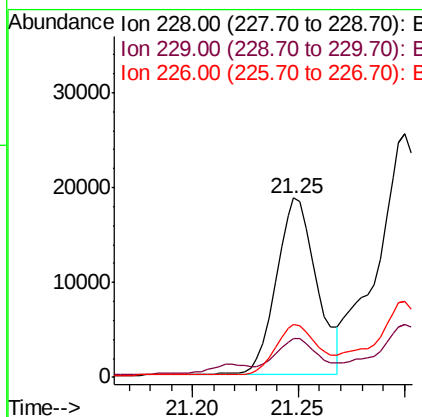
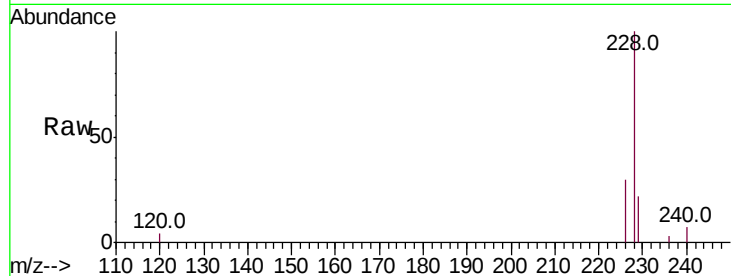
ClientSampleId :

A51E8

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:228 | Resp: | 24882     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 229         | 21.7  | 16.5 24.7 |
| 226         | 29.8  | 22.8 34.2 |

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#19

Chrysene

Concen: 0.739 ng/ul

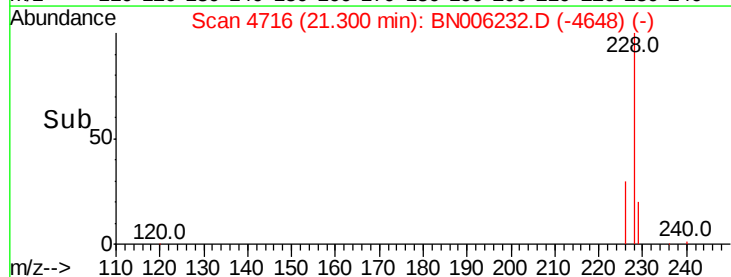
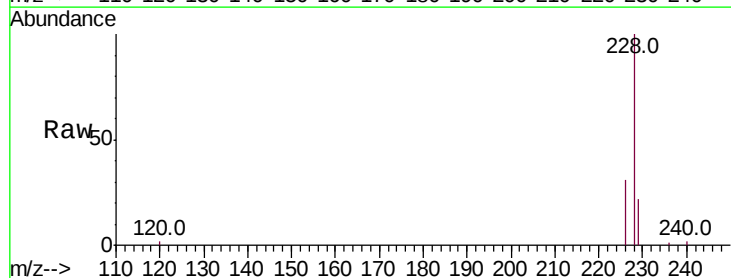
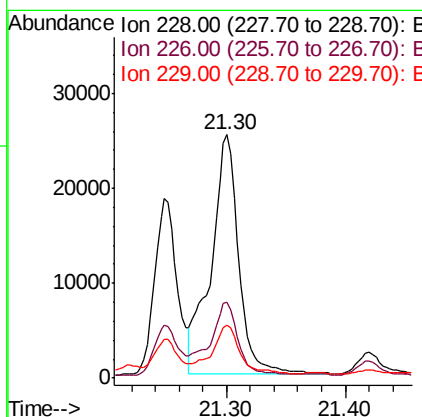
RT: 21.30 min Scan# 4716

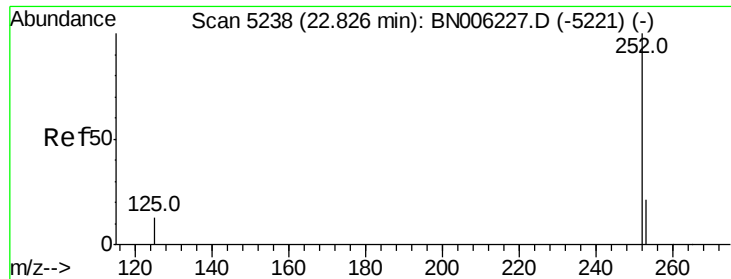
Delta R.T. -0.00 min

Lab File: BN006232.D

Acq: 10 Jun 2019 20:36

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 40405     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 31.2  | 25.0 37.6 |
| 229         | 21.5  | 16.3 24.5 |





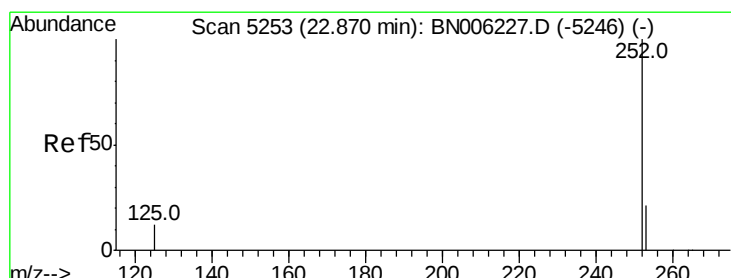
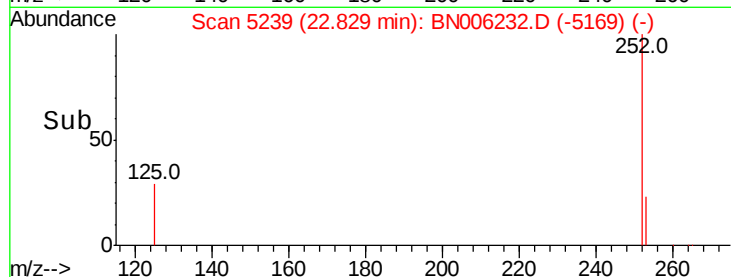
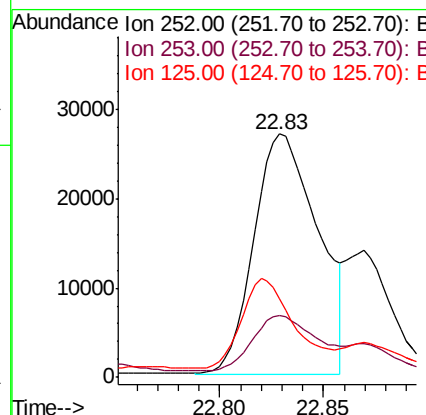
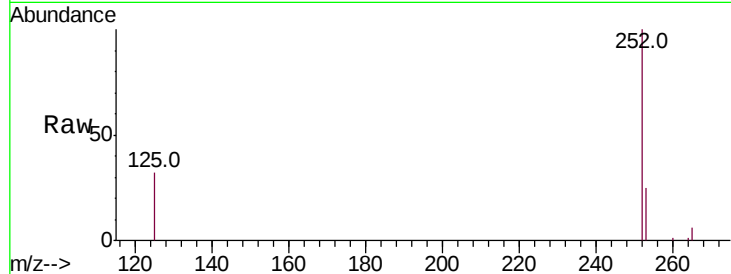
#21  
Benzo(b)fluoranthene  
Concen: 0.761 ng/ul m  
RT: 22.83 min Scan# 5239  
Delta R.T. 0.01 min  
Lab File: BN006232.D  
Acq: 10 Jun 2019 20:36

Instrument :  
BNA\_N  
ClientSampleId :  
A51E8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.3  | 0.0   | 51.4  |
| 125     | 32.5  | 0.0   | 41.0  |

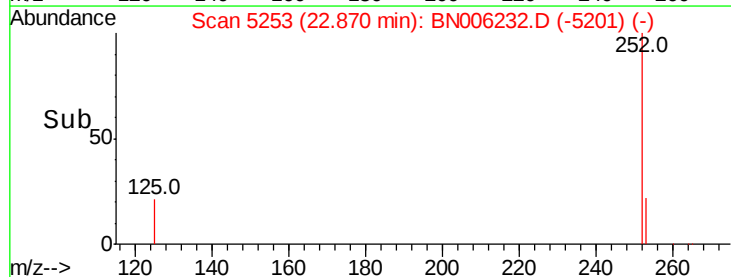
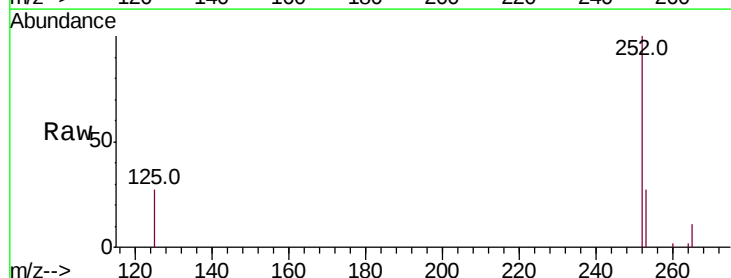
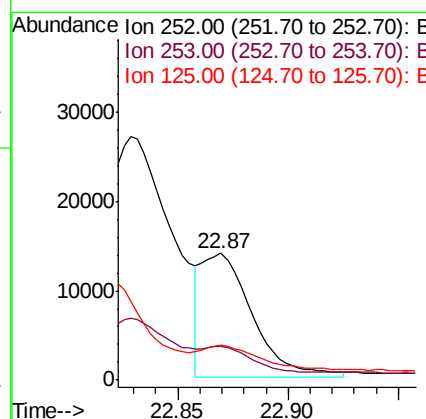
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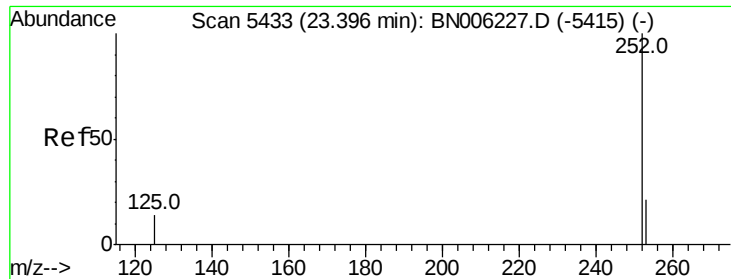
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#22  
Benzo(k)fluoranthene  
Concen: 0.298 ng/ul m  
RT: 22.87 min Scan# 5253  
Delta R.T. 0.00 min  
Lab File: BN006232.D  
Acq: 10 Jun 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.8  | 20.3  | 30.5  |
| 125     | 27.2  | 14.3  | 21.5# |





#23

Benzo(a)pyrene

Concen: 0.481 ng/ul

RT: 23.40 min Scan# 5434

Delta R.T. 0.00 min

Lab File: BN006232.D

Acq: 10 Jun 2019 20:36

Instrument :

BNA\_N

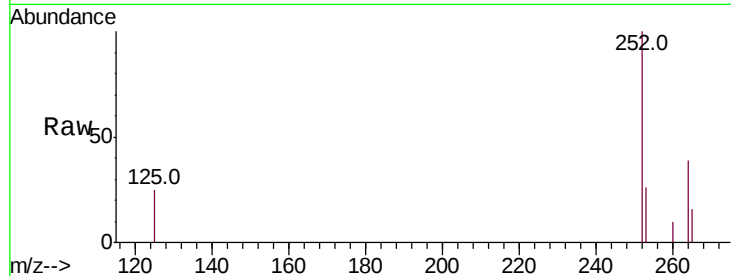
ClientSampleId :

A51E8

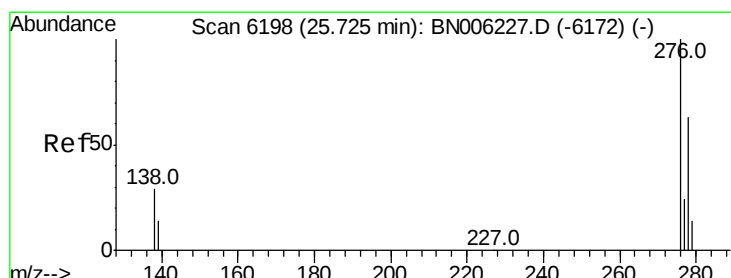
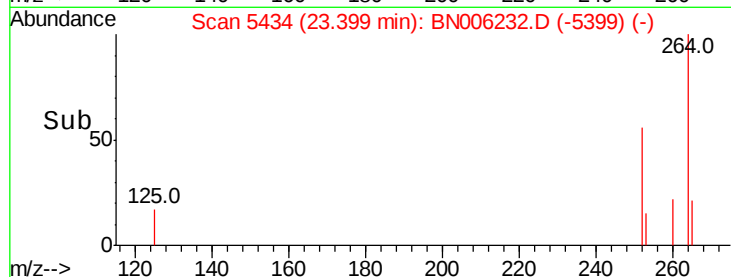
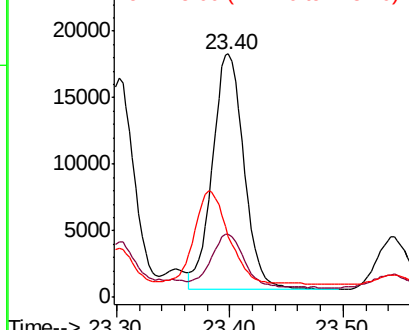
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 34056 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.8  | 21.1  | 31.7  |
| 125       | 25.0  | 20.3  | 30.5  |

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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: 0.380 ng/ul

RT: 25.73 min Scan# 6198

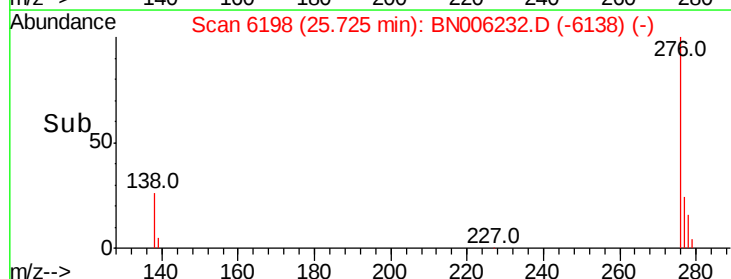
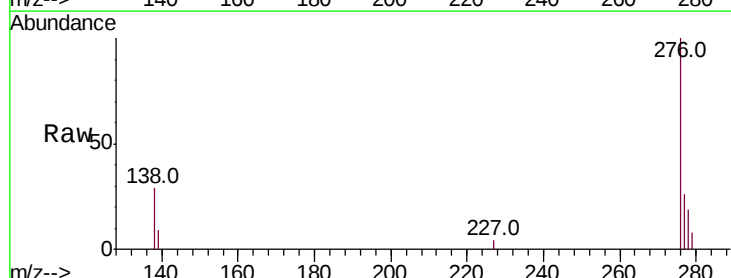
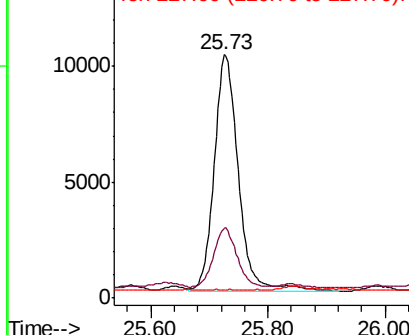
Delta R.T. -0.00 min

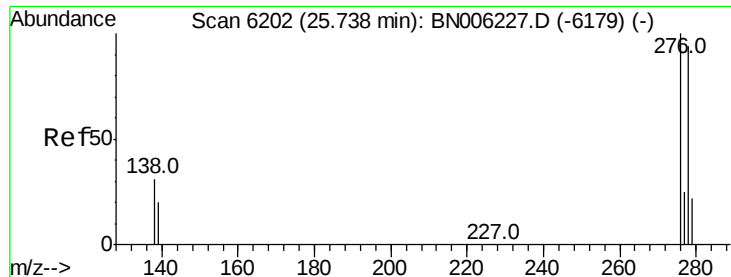
Lab File: BN006232.D

Acq: 10 Jun 2019 20:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 29144 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 24.7  | 25.6  | 38.4# |
| 227       | 0.2   | 0.3   | 0.5#  |

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





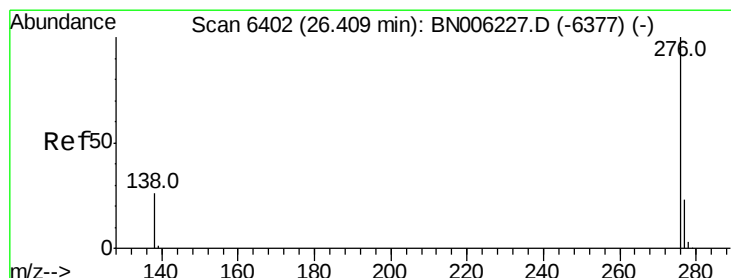
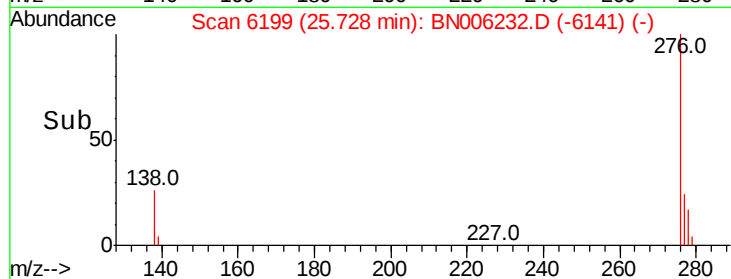
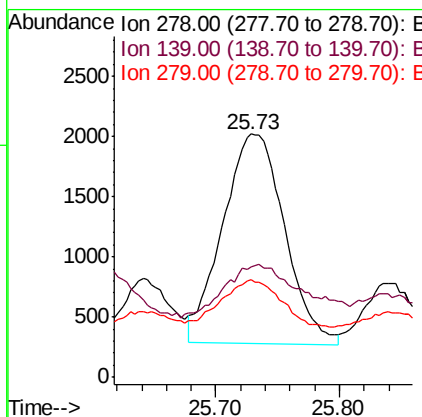
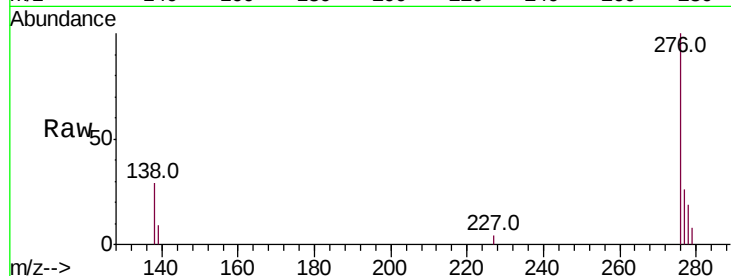
#25  
Dibenzo(a,h)anthracene  
Concen: 0.099 ng/u1  
RT: 25.73 min Scan# 6199  
Delta R.T. -0.01 min  
Lab File: BN006232.D  
Acq: 10 Jun 2019 20:36

Instrument :  
BNA\_N  
ClientSampleId :  
A51E8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 45.2  | 21.2  | 31.8# |
| 279     | 40.2  | 22.6  | 33.8# |

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#26  
Benzo(g,h,i)perylene  
Concen: 0.434 ng/u1  
RT: 26.41 min Scan# 6403  
Delta R.T. 0.01 min  
Lab File: BN006232.D  
Acq: 10 Jun 2019 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 29.5  | 24.2  | 36.4  |
| 277     | 26.2  | 21.5  | 32.3  |

