

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\  
 Data File : BN006226.D  
 Acq On : 10 Jun 2019 17:08  
 Operator : JU/SJ  
 Sample : K3016-02DL 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51C1DL

Manual Integrations  
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 6/11/2019 4:28:13 PM

Quant Time: Jun 11 01:12:58 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  | 4717     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.42 | 136  | 18096    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.30 | 164  | 9070     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.05 | 188  | 18532    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.26 | 240  | 14502    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.49 | 264  | 18586    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.02 | 152  | 984      | 0.04   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.09 | 212  | 1955     | 0.04   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 14.01 | 152  | 4007     | 0.079  | ng/ul  | 96       |
| 12) Phenanthrene            | 17.09 | 178  | 18373    | 0.309  | ng/ul  | 99       |
| 13) Anthracene              | 17.18 | 178  | 3741     | 0.066  | ng/ul# | 93       |
| 15) Fluoranthene            | 19.12 | 202  | 25974    | 0.395  | ng/ul  | 99       |
| 17) Pyrene                  | 19.48 | 202  | 26187    | 0.343  | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.25 | 228  | 10362    | 0.162  | ng/ul  | 96       |
| 19) Chrysene                | 21.30 | 228  | 11556    | 0.192  | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 22.83 | 252  | 12924m   | 0.167  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.87 | 252  | 5509m    | 0.073  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.39 | 252  | 7928     | 0.110  | ng/ul  | 92       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.73 | 276  | 5648     | 0.072  | ng/ul# | 91       |
| 25) Dibenzo(a,h)anthracene  | 25.73 | 278  | 1457     | 0.023  | ng/ul# | 50       |
| 26) Benzo(g,h,i)perylene    | 26.41 | 276  | 4870     | 0.074  | ng/ul  | 94       |

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

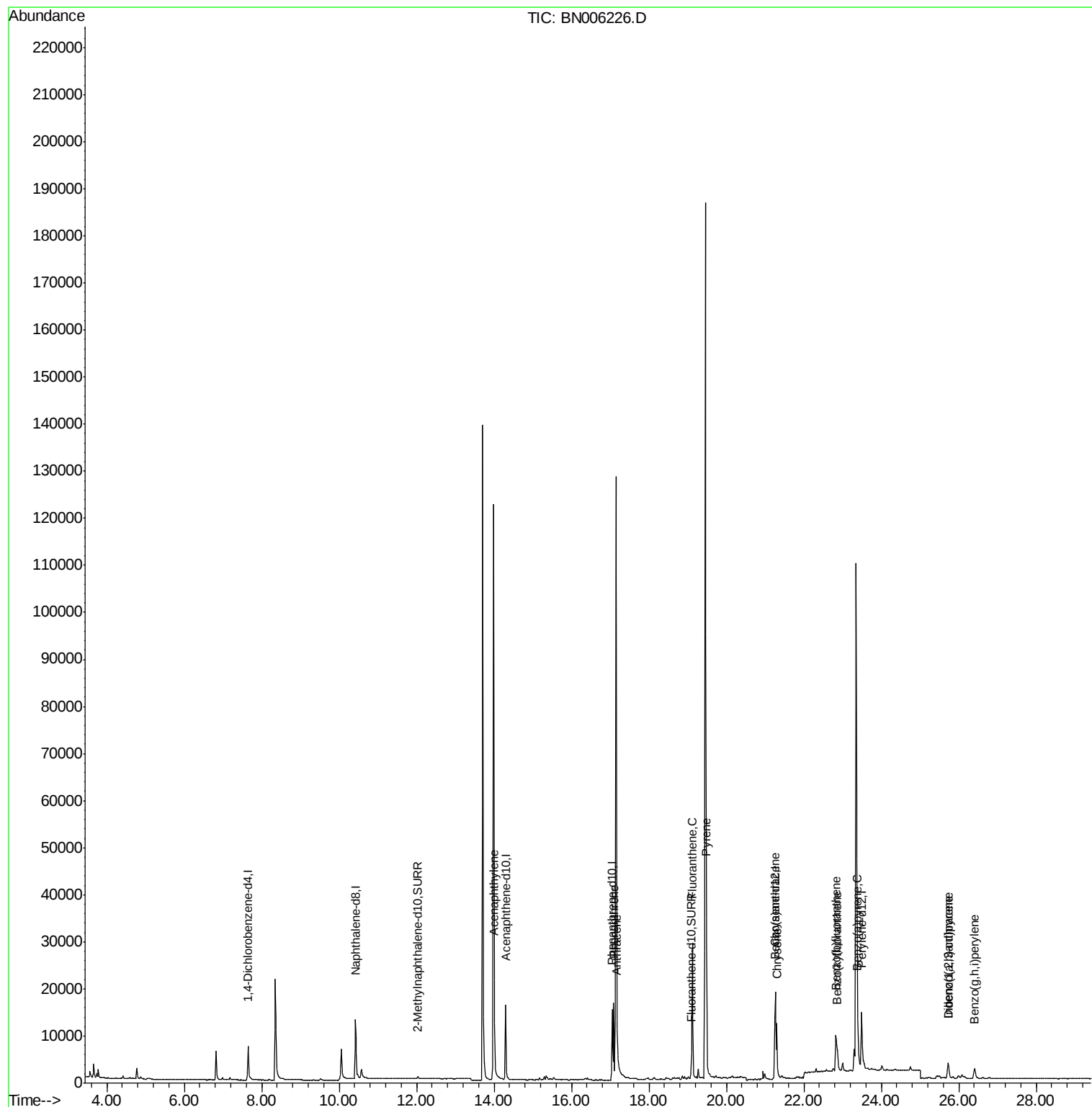
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\  
Data File : BN006226.D  
Acq On : 10 Jun 2019 17:08  
Operator : JU/SJ  
Sample : K3016-02DL 5X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

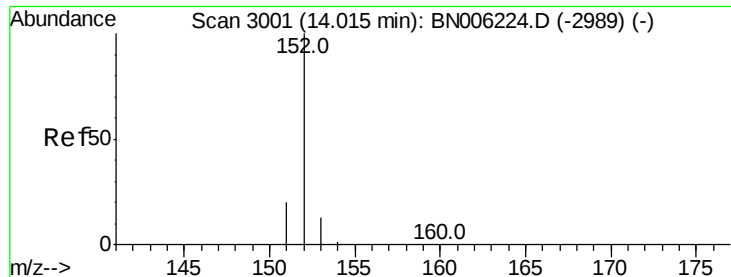
Instrument :  
BNA\_N  
ClientSampleId :  
A51C1DL

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Quant Time: Jun 11 01:12:58 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: 0.079 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006226.D

Acq: 10 Jun 2019 17:08

Instrument :

BNA\_N

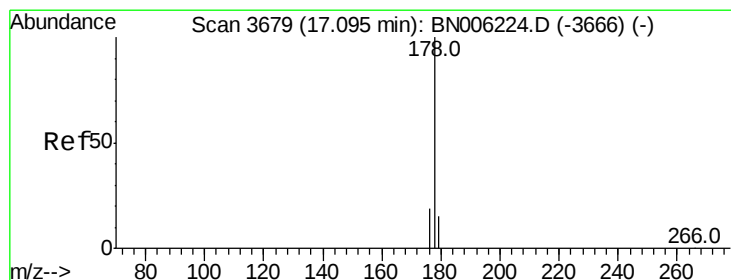
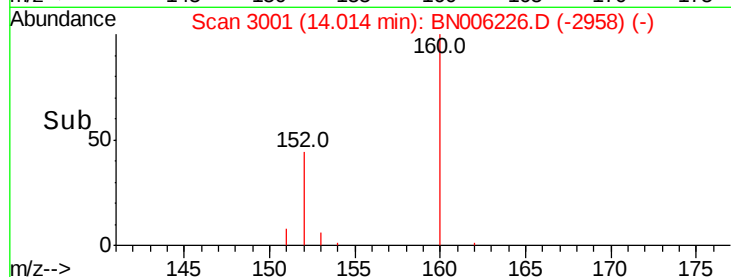
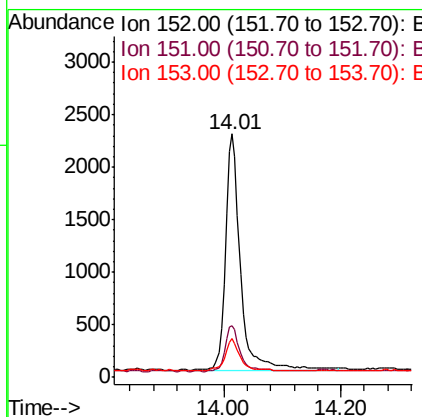
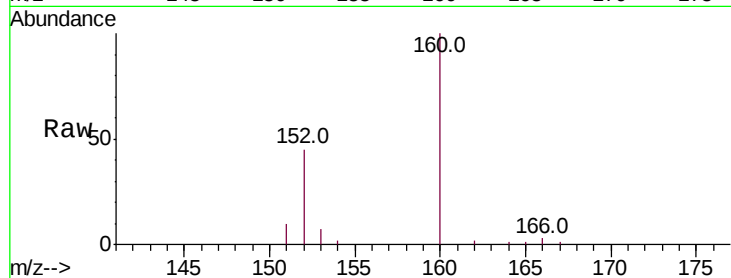
ClientSampleId :

A51C1DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 152   | Resp: | 4007 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 21.2  | 15.8  | 23.8 |
| 153       | 15.8  | 10.8  | 16.2 |

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#12

Phenanthrene

Concen: 0.309 ng/ul

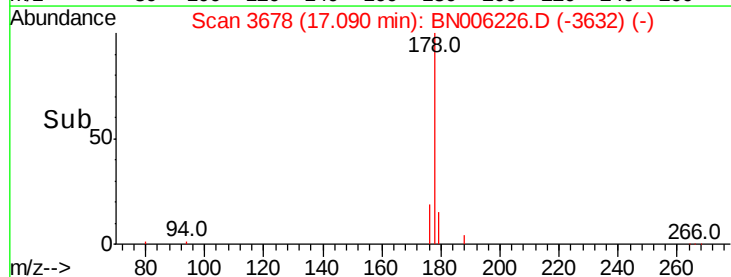
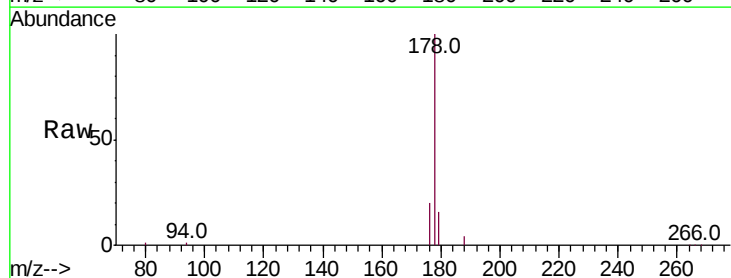
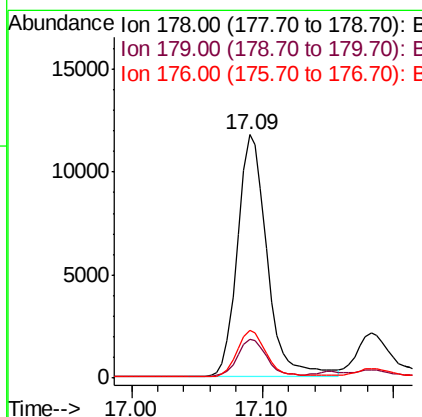
RT: 17.09 min Scan# 3678

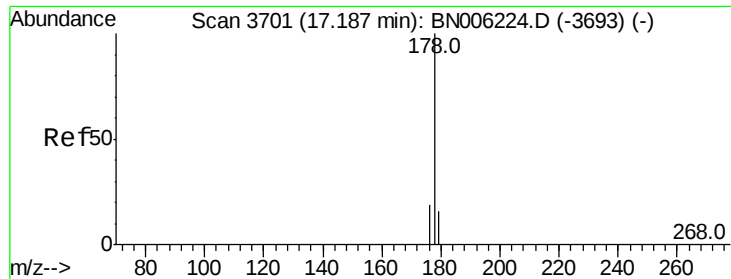
Delta R.T. -0.00 min

Lab File: BN006226.D

Acq: 10 Jun 2019 17:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 18373 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 15.7  | 12.3  | 18.5  |
| 176       | 19.8  | 15.3  | 22.9  |





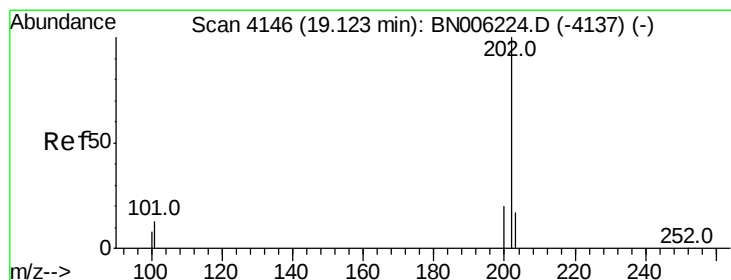
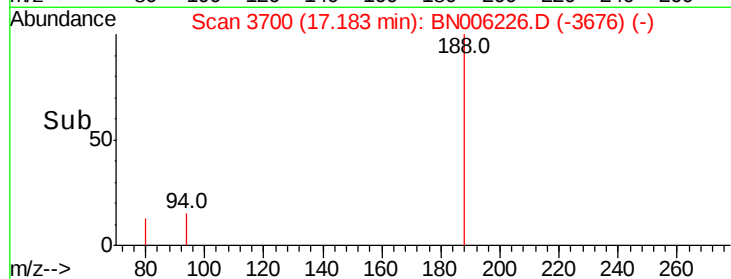
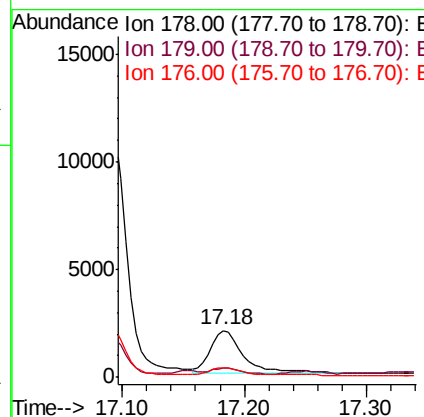
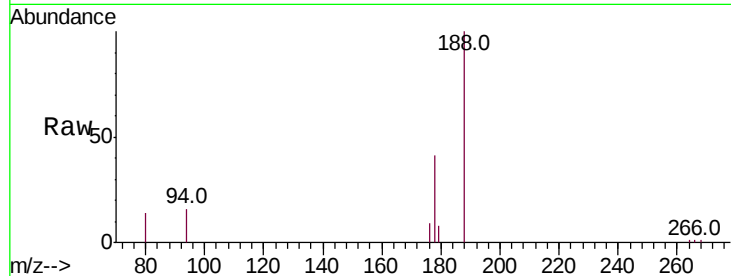
#13  
 Anthracene  
 Concen: 0.066 ng/ul  
 RT: 17.18 min Scan# 3700  
 Delta R.T. -0.00 min  
 Lab File: BN006226.D  
 Acq: 10 Jun 2019 17:08

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51C1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 19.2  | 12.2  | 18.4# |
| 176     | 21.2  | 15.1  | 22.7  |

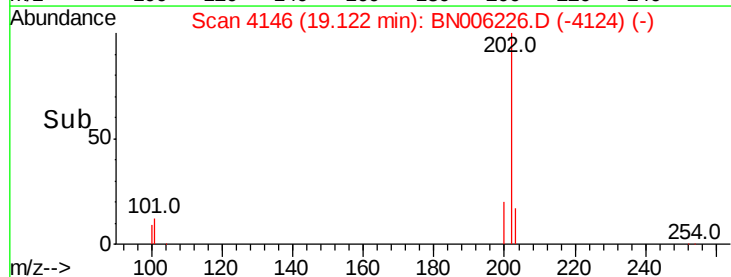
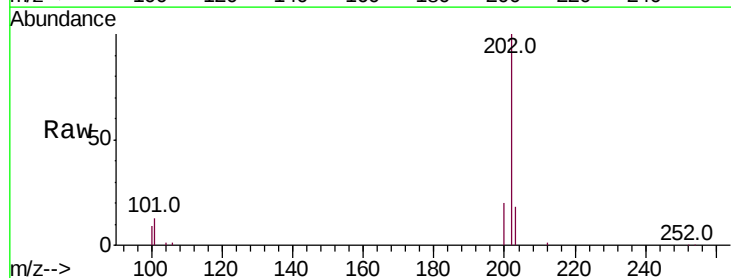
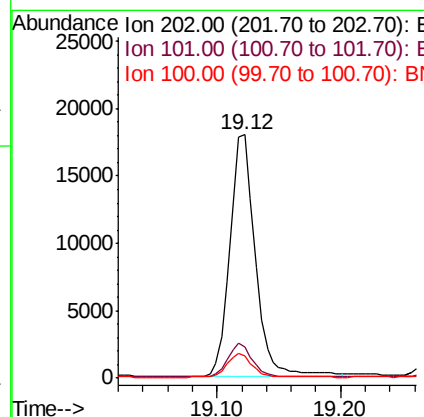
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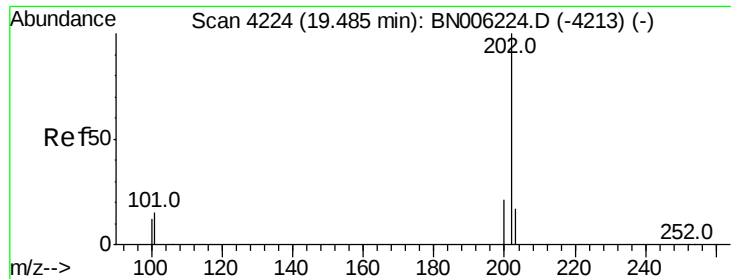
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#15  
 Fluoranthene  
 Concen: 0.395 ng/ul  
 RT: 19.12 min Scan# 4146  
 Delta R.T. 0.00 min  
 Lab File: BN006226.D  
 Acq: 10 Jun 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.6  | 0.0   | 32.1  |
| 100     | 9.0   | 0.0   | 28.7  |





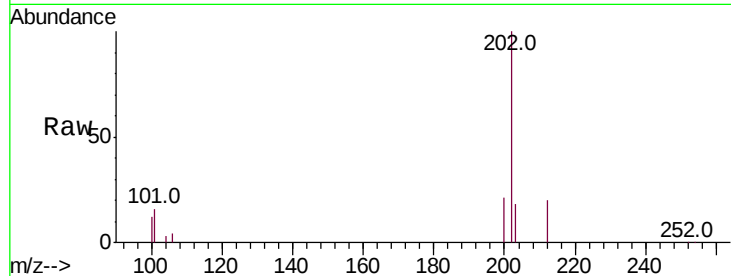
#17  
Pvrene  
Concen: 0.343 ng/ul  
RT: 19.48 min Scan# 4224  
Delta R.T. -0.00 min  
Lab File: BN006226.D  
Acq: 10 Jun 2019 17:08

Instrument :  
BNA\_N  
ClientSampleId :  
A51C1DL

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 26187 |       |       |
| 101     | 15.7  |       | 12.2  | 18.2  |
| 100     | 12.4  |       | 9.8   | 14.6  |

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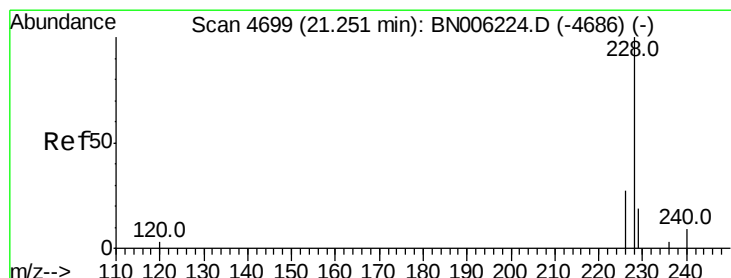
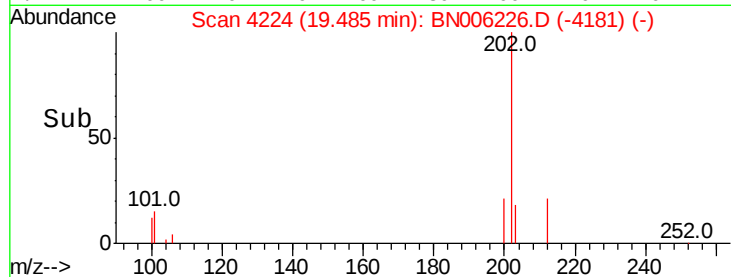
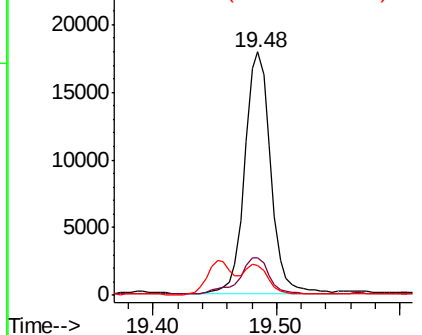


Abundance

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



#18  
Benzo(a)anthracene  
Concen: 0.162 ng/ul  
RT: 21.25 min Scan# 4697  
Delta R.T. -0.00 min  
Lab File: BN006226.D  
Acq: 10 Jun 2019 17:08

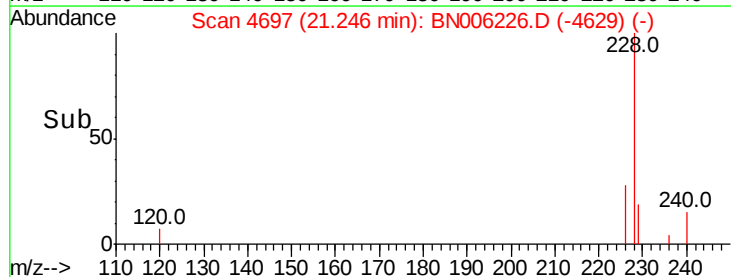
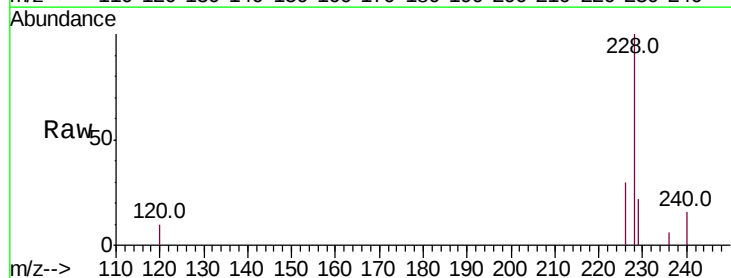
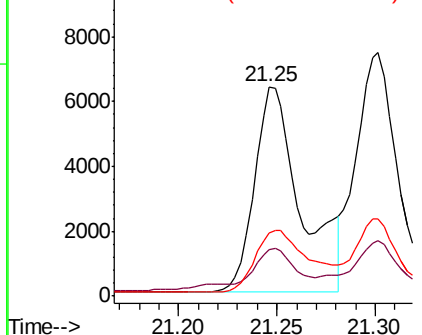
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 228     | 100   | 10362 |       |       |
| 229     | 22.3  |       | 16.5  | 24.7  |
| 226     | 30.3  |       | 22.8  | 34.2  |

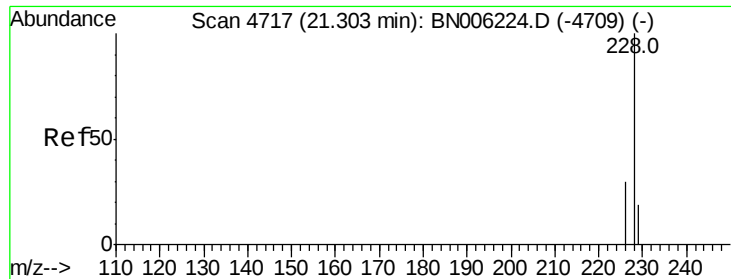
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.192 ng/ul

RT: 21.30 min Scan# 4716

Delta R.T. 0.00 min

Lab File: BN006226.D

Acq: 10 Jun 2019 17:08

Instrument :

BNA\_N

ClientSampled :

A51C1DL

Tot Ion:228 Resp: 11556

Ion Ratio Lower Upper

228 100

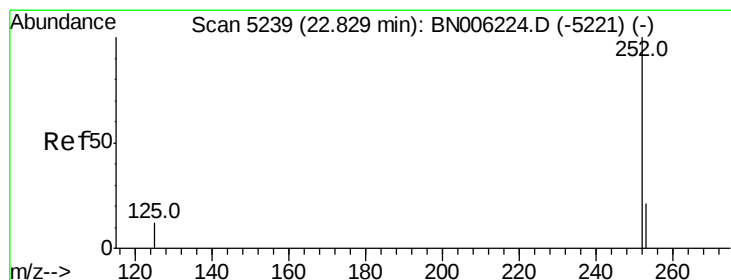
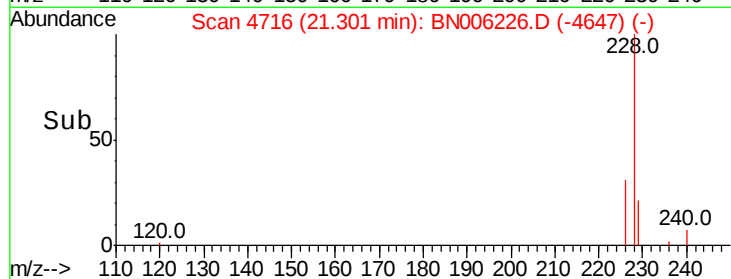
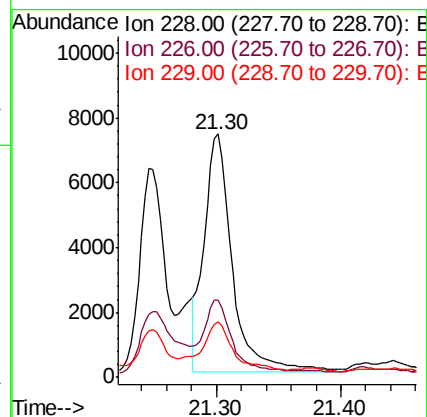
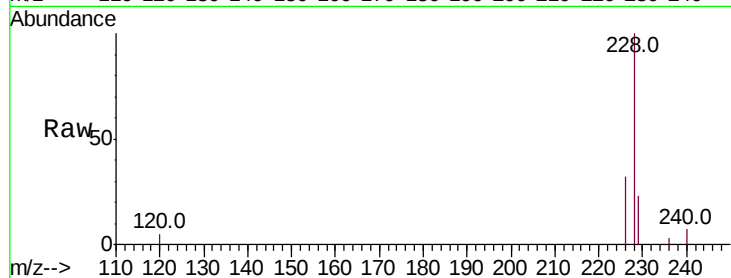
226 31.9 25.0 37.6

229 22.8 16.3 24.5

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#21

Benzo(b)fluoranthene

Concen: 0.167 ng/ul m

RT: 22.83 min Scan# 5239

Delta R.T. 0.01 min

Lab File: BN006226.D

Acq: 10 Jun 2019 17:08

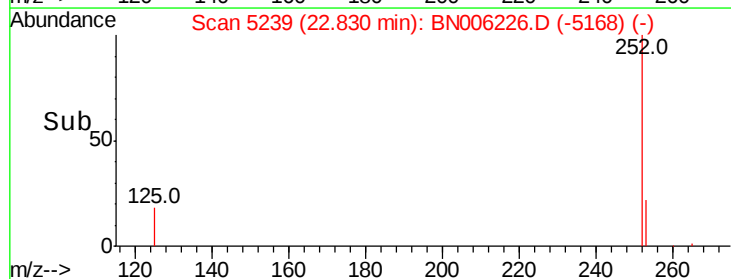
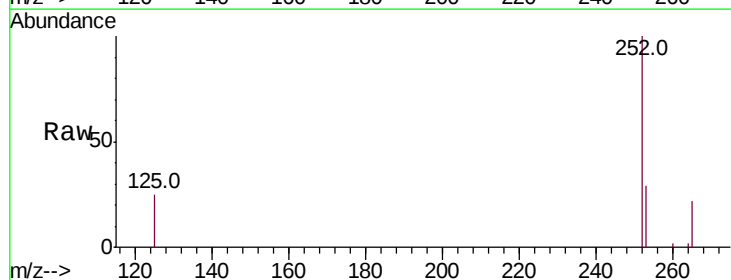
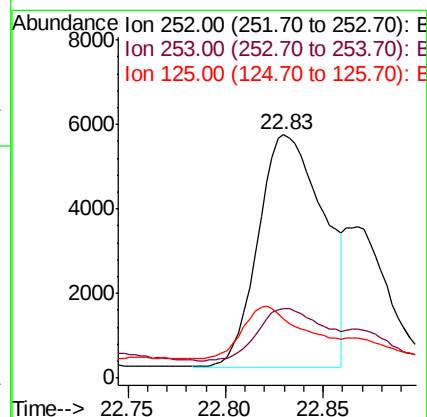
Tgt Ion:252 Resp: 12924

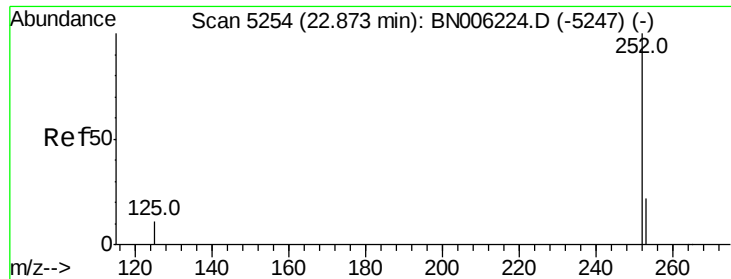
Ion Ratio Lower Upper

252 100

253 28.5 0.0 51.4

125 24.6 0.0 41.0





#22

Benzo(k)fluoranthene

Concen: 0.073 ng/ul m

RT: 22.87 min Scan# 5252

Delta R.T. 0.00 min

Lab File: BN006226.D

Acq: 10 Jun 2019 17:08

Instrument :

BNA\_N

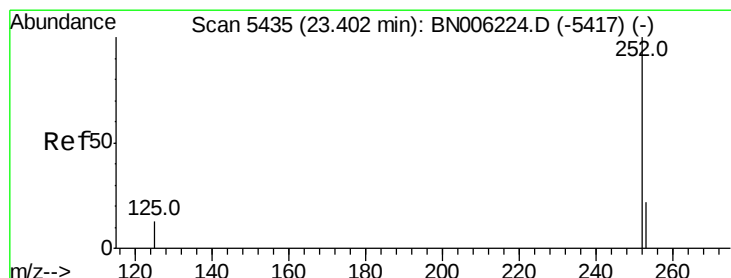
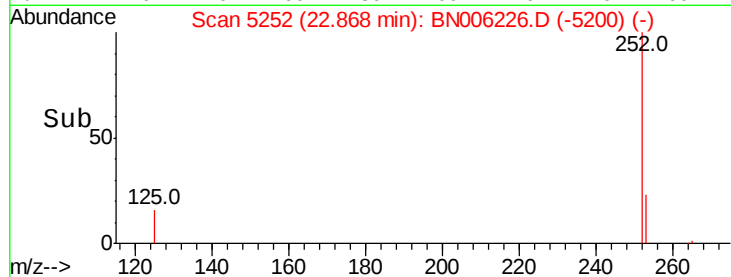
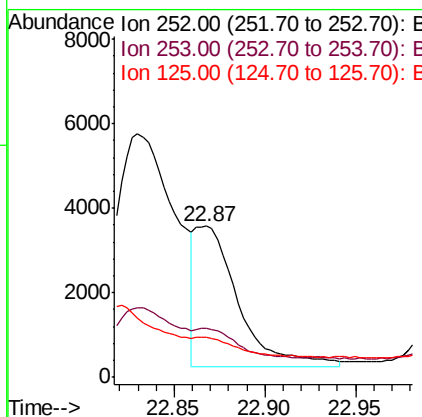
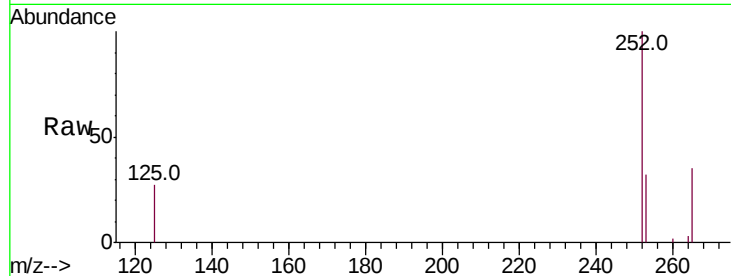
ClientSampleId :

A51C1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 32.4  | 20.3  | 30.5# |
| 125     | 26.8  | 14.3  | 21.5# |

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#23

Benzo(a)pyrene

Concen: 0.110 ng/ul

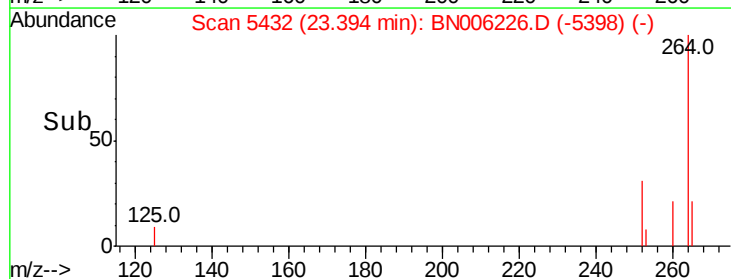
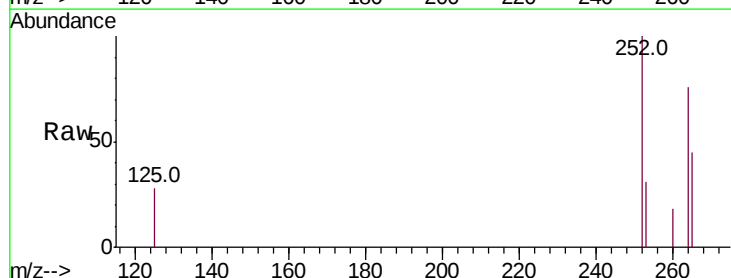
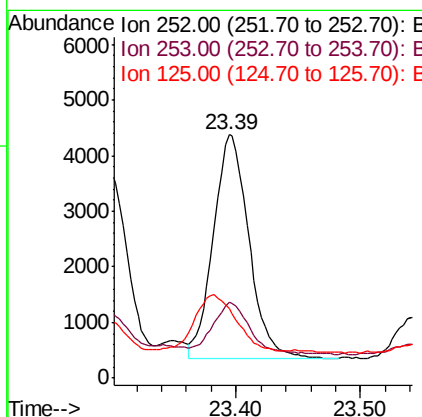
RT: 23.39 min Scan# 5432

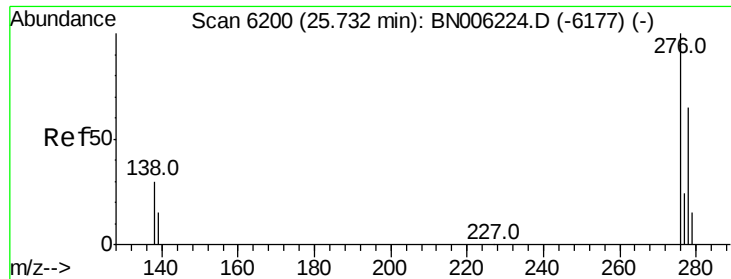
Delta R.T. -0.00 min

Lab File: BN006226.D

Acq: 10 Jun 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 31.0  | 21.1  | 31.7  |
| 125     | 28.4  | 20.3  | 30.5  |





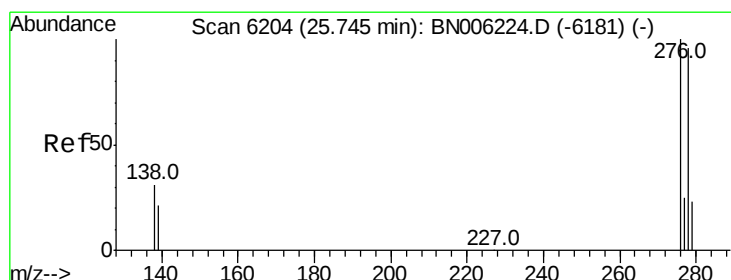
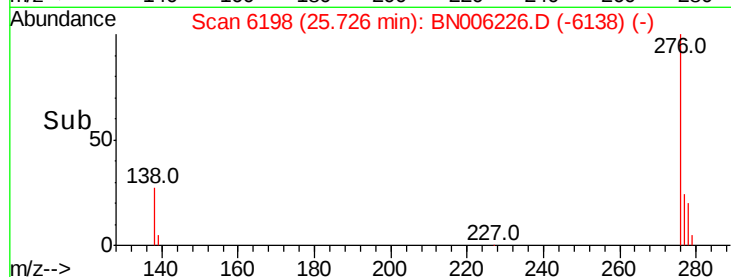
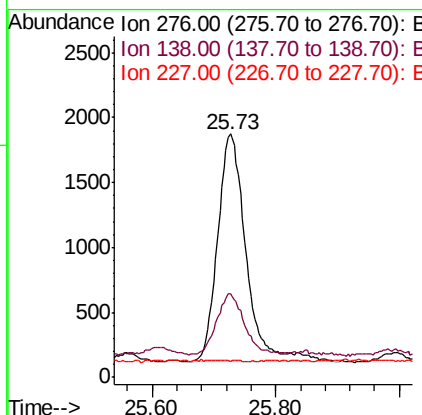
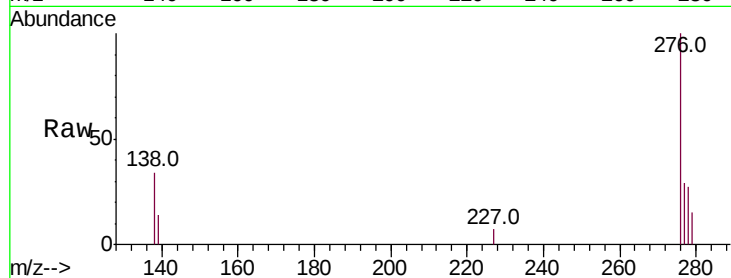
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.072 ng/uL  
 RT: 25.73 min Scan# 6198  
 Delta R.T. 0.00 min  
 Lab File: BN006226.D  
 Acq: 10 Jun 2019 17:08

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51C1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 27.2  | 25.6  | 38.4  |
| 227     | 0.2   | 0.3   | 0.5   |

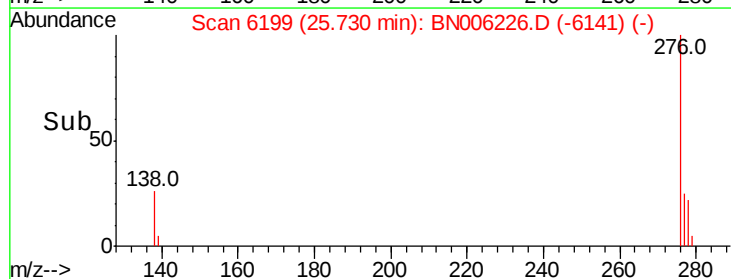
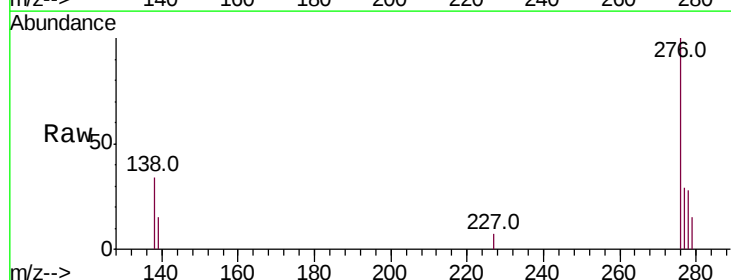
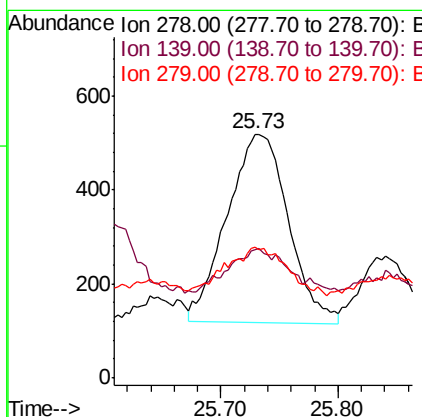
Manual Integrations  
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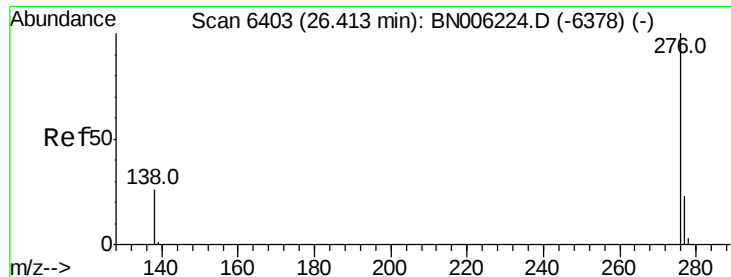
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#25  
 Dibenzo(a,h)anthracene  
 Concen: 0.023 ng/uL  
 RT: 25.73 min Scan# 6199  
 Delta R.T. -0.01 min  
 Lab File: BN006226.D  
 Acq: 10 Jun 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 52.7  | 21.2  | 31.8  |
| 279     | 53.7  | 22.6  | 33.8  |





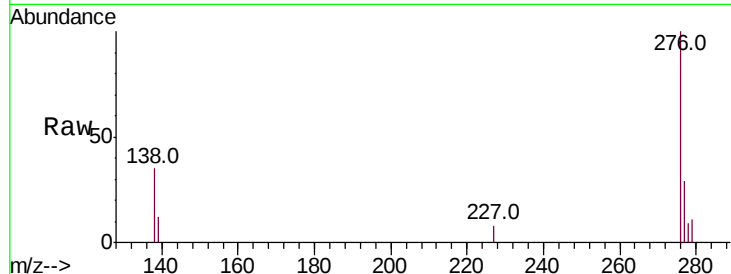
#26  
 Benzo(a,h,i)perylene  
 Concen: 0.074 ng/ul  
 RT: 26.41 min Scan# 6401  
 Delta R.T. 0.00 min  
 Lab File: BN006226.D  
 Acq: 10 Jun 2019 17:08

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51C1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 34.6  | 24.2  | 36.4  |
| 277     | 29.0  | 21.5  | 32.3  |

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:28:13 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

