

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN100918\  
 Data File : BN003025.D  
 Acq On : 09 Oct 2018 14:15  
 Operator : MJ/SJ  
 Sample : J5116-04DL 5X  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 JLC55DL

Manual Integrations  
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Quant Time: Oct 09 15:05:15 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN100918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 09 08:56:18 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 1506     | 0.40   | ng/ul  | -0.02    |
| 2) Naphthalene-d8           | 10.41 | 136  | 6307     | 0.40   | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.27 | 164  | 3776     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.02 | 188  | 8825     | 0.40   | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.23 | 240  | 7788     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.44 | 264  | 6006     | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.03 | 152  | 709      | 0.07   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.06 | 212  | 1986     | 0.08   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 11) Pentachlorophenol       | 16.73 | 266  | 170      | 0.199  | ng/ul  | 91       |
| 12) Phenanthrene            | 17.06 | 178  | 4214     | 0.171  | ng/ul  | 97       |
| 13) Anthracene              | 17.15 | 178  | 786      | 0.034  | ng/ul# | 74       |
| 15) Fluoranthene            | 19.09 | 202  | 12712    | 0.440  | ng/ul  | 99       |
| 17) Pyrene                  | 19.45 | 202  | 13351    | 0.441  | ng/ul  | 97       |
| 18) Benzo(a)anthracene      | 21.21 | 228  | 6972m    | 0.278  | ng/ul  |          |
| 19) Chrysene                | 21.27 | 228  | 14202    | 0.558  | ng/ul  | 98       |
| 21) Benzo(b)fluoranthene    | 22.78 | 252  | 17529m   | 0.810  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.82 | 252  | 5148m    | 0.230  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.34 | 252  | 5521     | 0.285  | ng/ul# | 64       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.66 | 276  | 6600     | 0.296  | ng/ul# | 94       |
| 25) Dibenzo(a,h)anthracene  | 25.65 | 278  | 1641     | 0.092  | ng/ul# | 8        |
| 26) Benzo(g,h,i)perylene    | 26.33 | 276  | 6534     | 0.348  | ng/ul# | 90       |

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

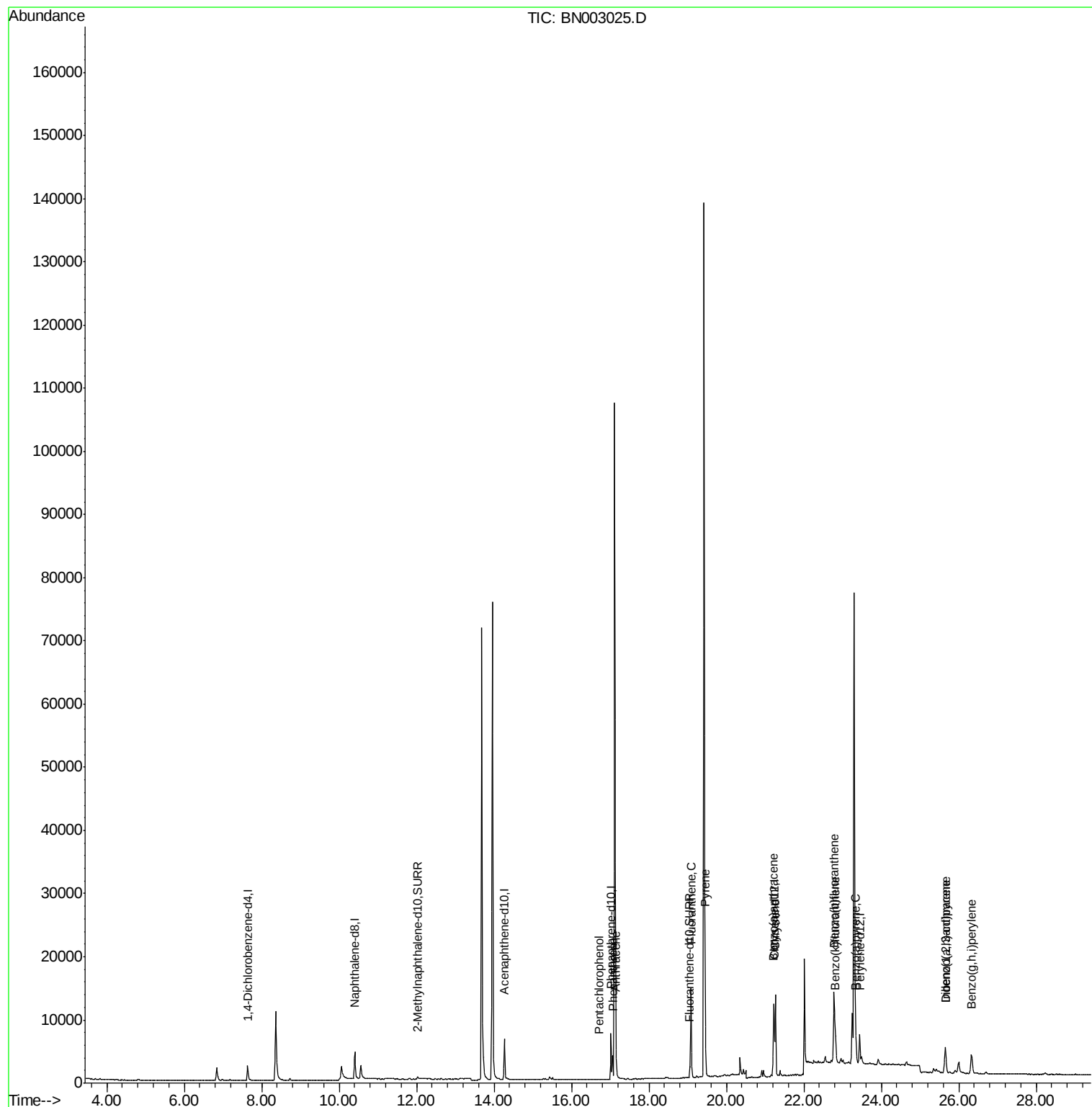
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN100918\  
Data File : BN003025.D  
Acq On : 09 Oct 2018 14:15  
Operator : MJ/SJ  
Sample : J5116-04DL 5X  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

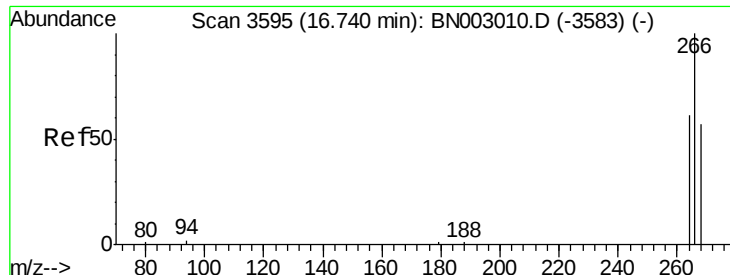
Instrument :  
BNA\_N  
ClientSampleId :  
JLC55DL

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Quant Time: Oct 09 15:05:15 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN100918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 09 08:56:18 2018  
Response via : Initial Calibration





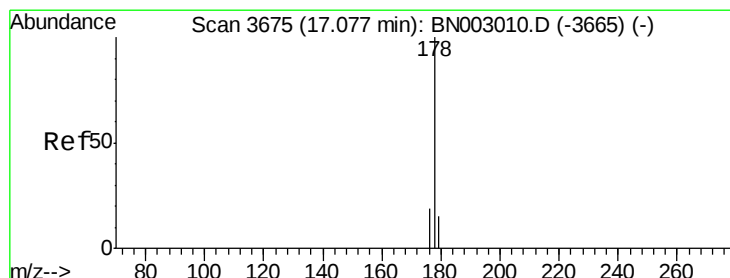
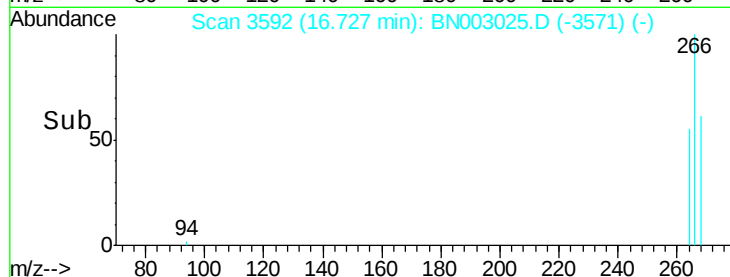
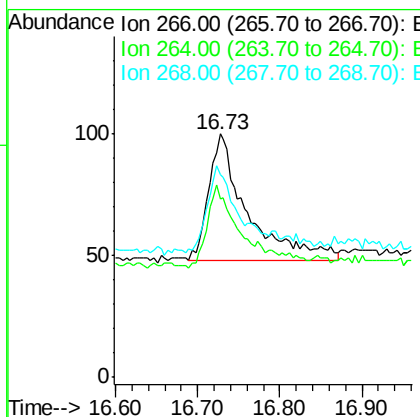
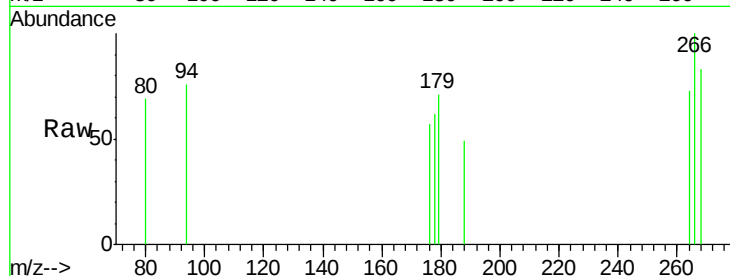
#11  
 Pentachlorophenol  
 Concen: 0.199 ng/ul  
 RT: 16.73 min Scan# 3592  
 Delta R.T. -0.01 min  
 Lab File: BN003025.D  
 Acq: 09 Oct 2018 14:15

Instrument :  
 BNA\_N  
 ClientSampled :  
 JLC55DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 60.6  | 52.5  | 78.7  |
| 268     | 70.0  | 48.6  | 72.8  |

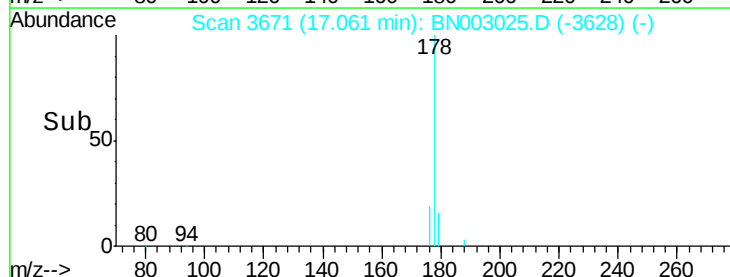
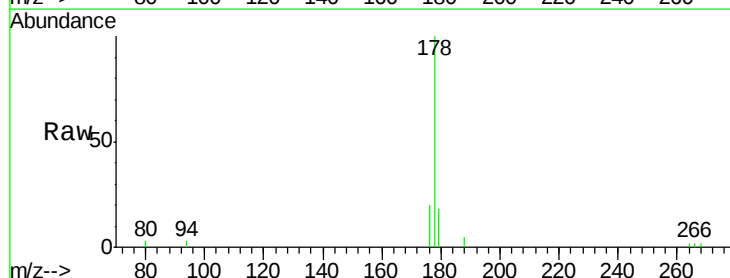
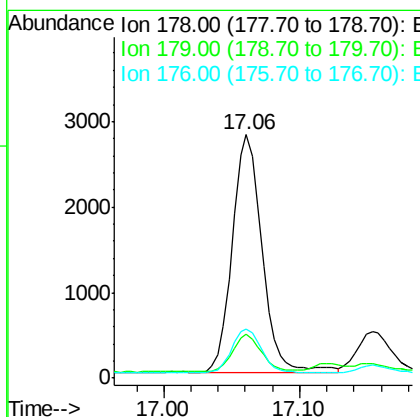
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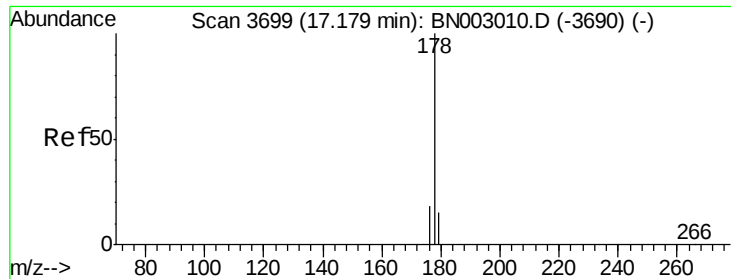
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#12  
 Phenanthrene  
 Concen: 0.171 ng/ul  
 RT: 17.06 min Scan# 3671  
 Delta R.T. -0.02 min  
 Lab File: BN003025.D  
 Acq: 09 Oct 2018 14:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 17.8  | 12.9  | 19.3  |
| 176     | 20.3  | 15.4  | 23.2  |





#13

Anthracene

Concen: 0.034 ng/ul

RT: 17.15 min Scan# 3693

Delta R.T. -0.03 min

Lab File: BN003025.D

Acq: 09 Oct 2018 14:15

Instrument :

BNA\_N

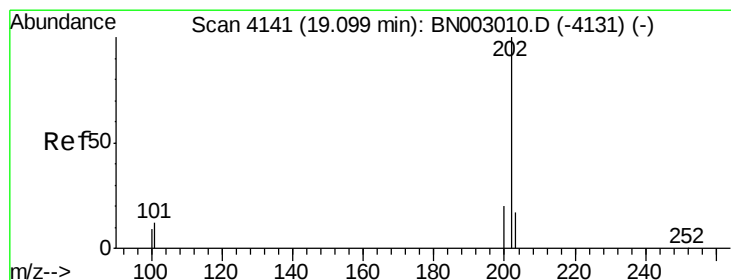
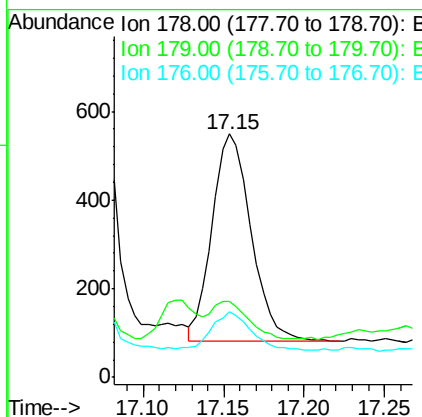
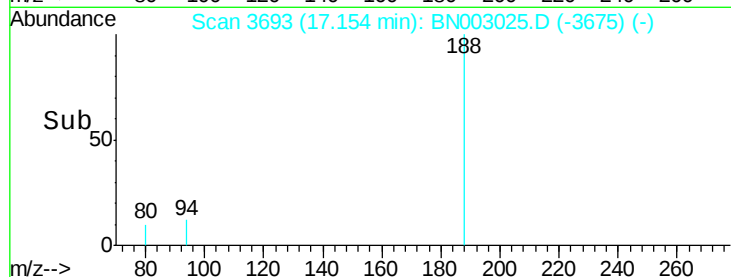
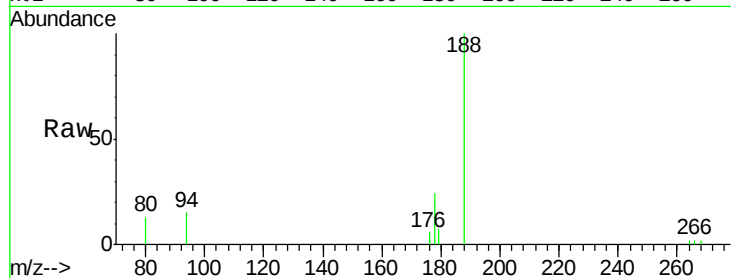
ClientSampleId :

JLC55DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 786   |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 31.3  | 13.0  | 19.6# |
| 176       | 27.3  | 15.3  | 22.9# |

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#15

Fluoranthene

Concen: 0.440 ng/ul

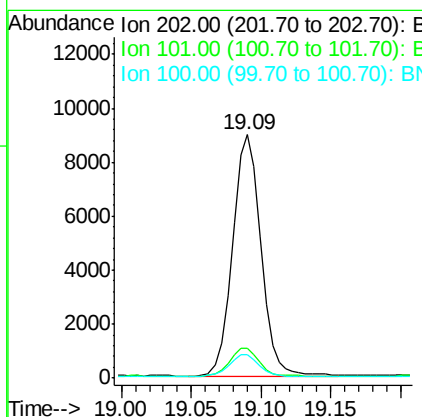
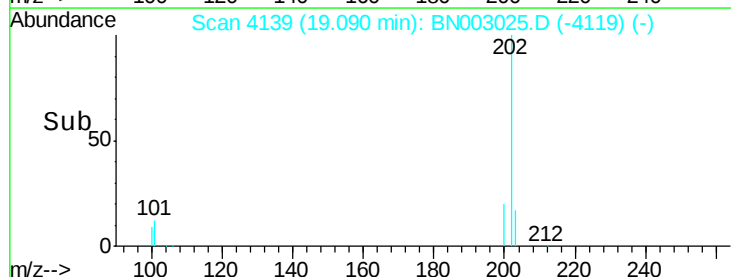
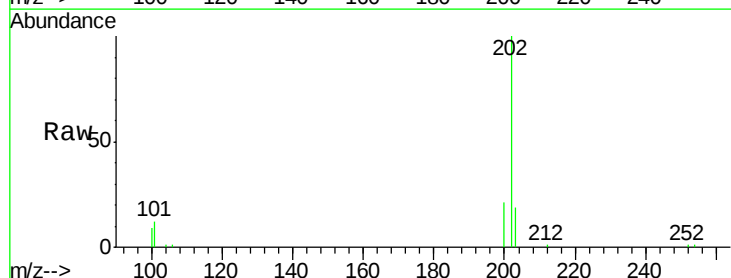
RT: 19.09 min Scan# 4139

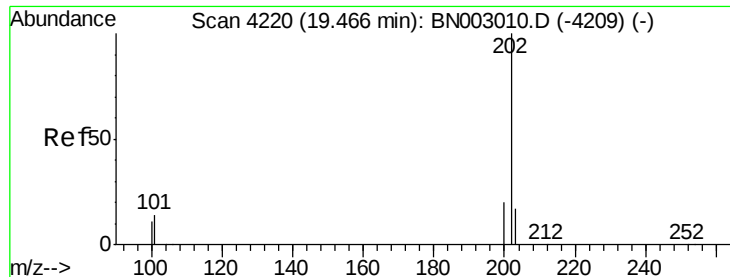
Delta R.T. -0.01 min

Lab File: BN003025.D

Acq: 09 Oct 2018 14:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 12712 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.4  | 0.0   | 32.3  |
| 100       | 9.4   | 0.0   | 29.1  |





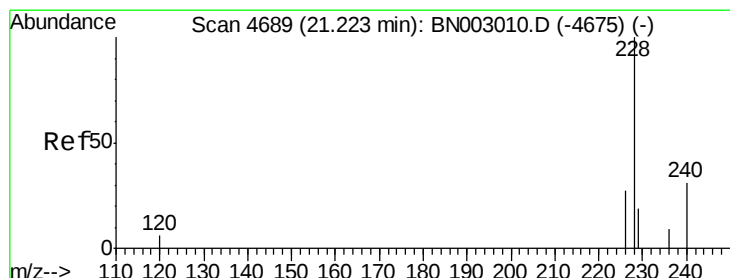
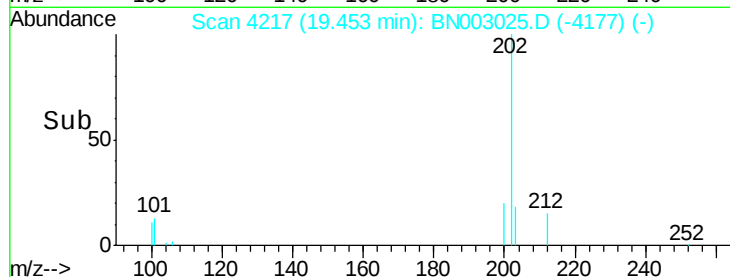
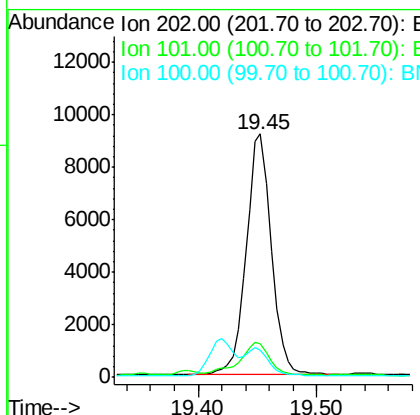
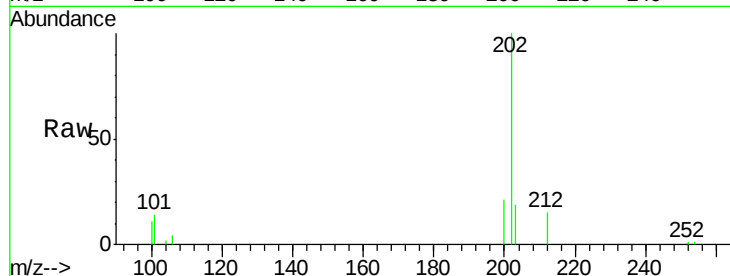
#17  
 Pyrene  
 Concen: 0.441 ng/ul  
 RT: 19.45 min Scan# 4217  
 Delta R.T. -0.01 min  
 Lab File: BN003025.D  
 Acq: 09 Oct 2018 14:15

Instrument :  
 BNA\_N  
 ClientSampleId :  
 JLC55DL

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 14.1  | 11.9       | 17.9       |
| 100     | 11.2  | 9.9        | 14.9       |

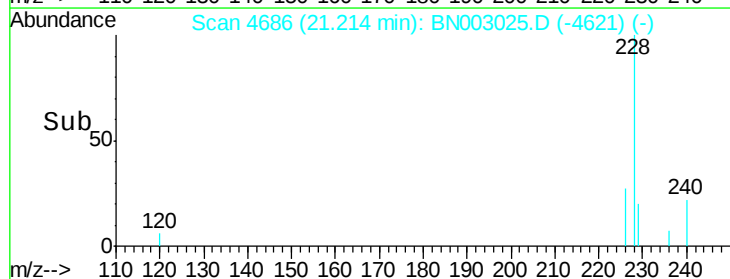
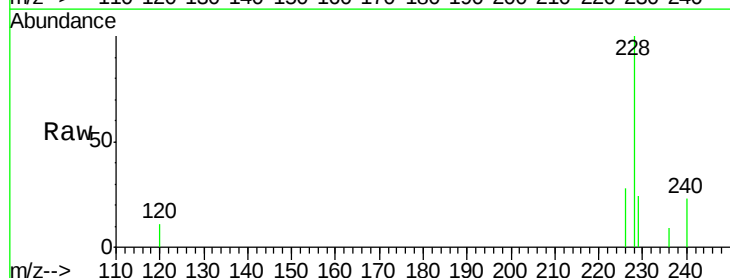
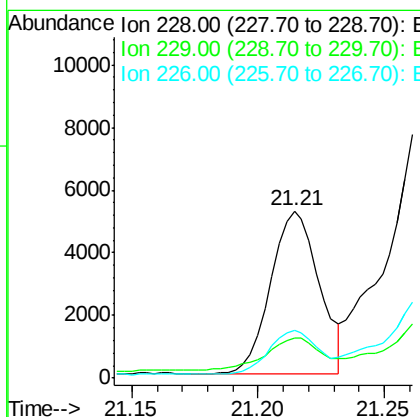
Manual Integrations  
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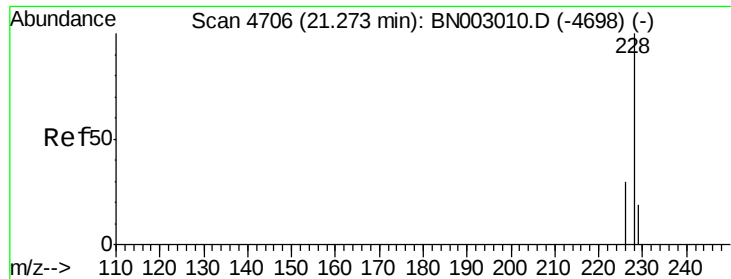
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#18  
 Benzo(a)anthracene  
 Concen: 0.278 ng/ul m  
 RT: 21.21 min Scan# 4686  
 Delta R.T. -0.01 min  
 Lab File: BN003025.D  
 Acq: 09 Oct 2018 14:15

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 229     | 24.2  | 16.2       | 24.2#      |
| 226     | 28.4  | 22.3       | 33.5       |





#19

Chrysene

Concen: 0.558 ng/ul

RT: 21.27 min Scan# 4704

Delta R.T. -0.01 min

Lab File: BN003025.D

Acq: 09 Oct 2018 14:15

Instrument :

BNA\_N

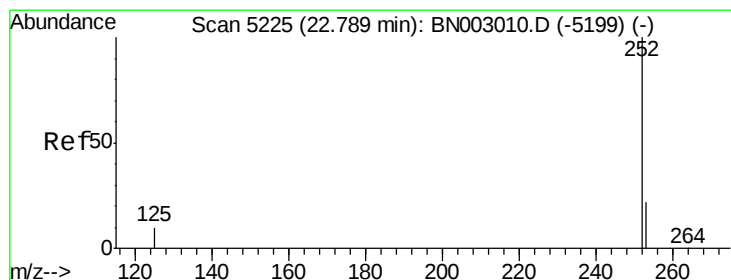
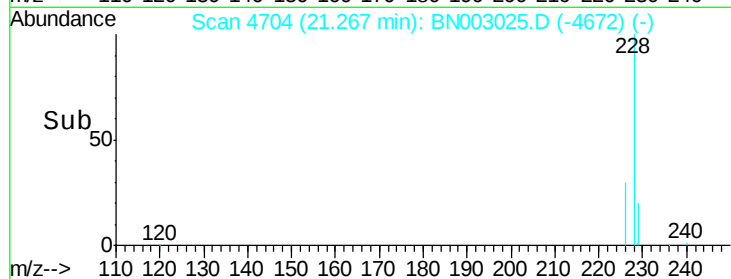
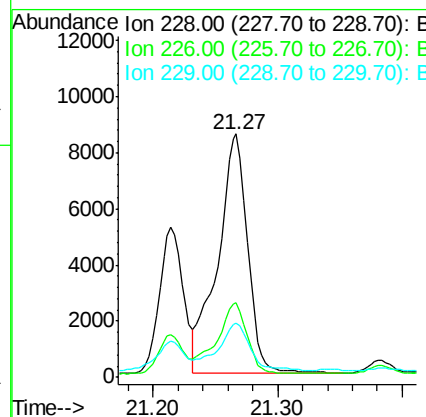
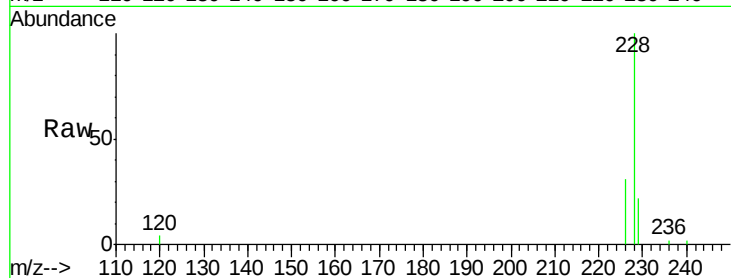
ClientSampled :

JLC55DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 14202 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.8  | 24.2  | 36.4  |
| 229       | 22.4  | 16.7  | 25.1  |

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#21

Benzo(b)fluoranthene

Concen: 0.810 ng/ul m

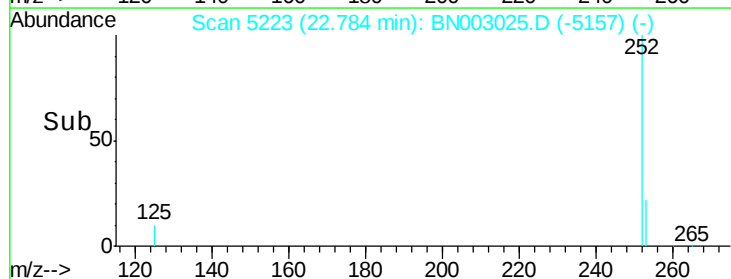
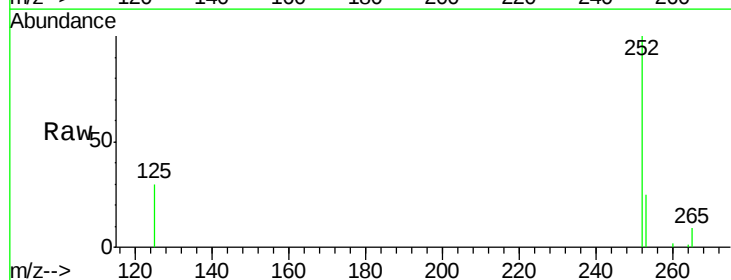
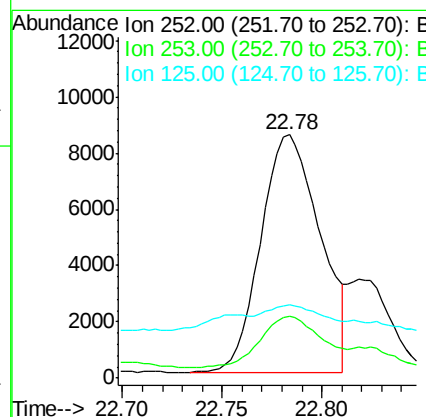
RT: 22.78 min Scan# 5223

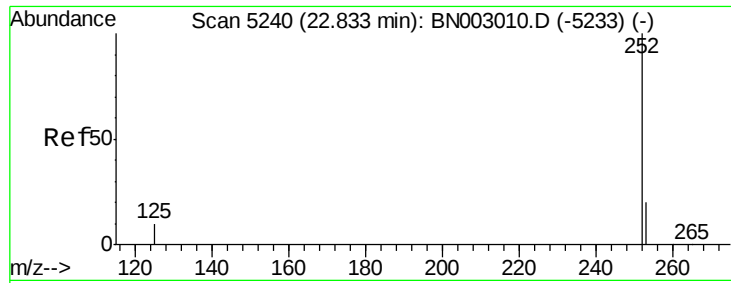
Delta R.T. -0.01 min

Lab File: BN003025.D

Acq: 09 Oct 2018 14:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 17529 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.4  | 0.0   | 53.2  |
| 125       | 30.0  | 0.0   | 34.2  |





#22

Benzo(k)fluoranthene

Concen: 0.230 ng/ul m

RT: 22.82 min Scan# 5235

Delta R.T. -0.01 min

Lab File: BN003025.D

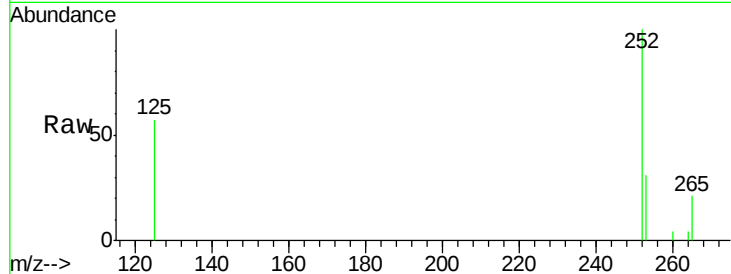
Acq: 09 Oct 2018 14:15

Instrument :

BNA\_N

ClientSampleId :

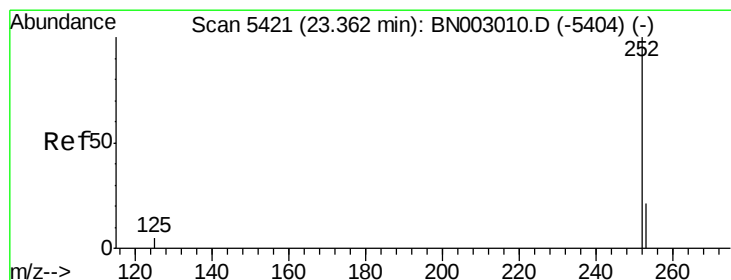
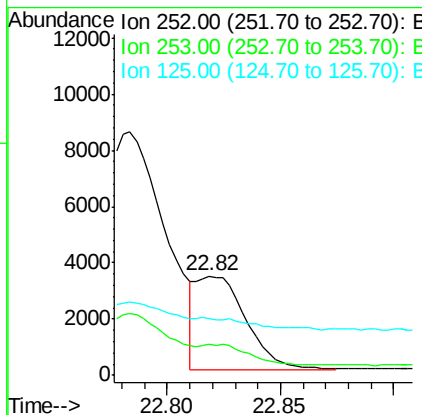
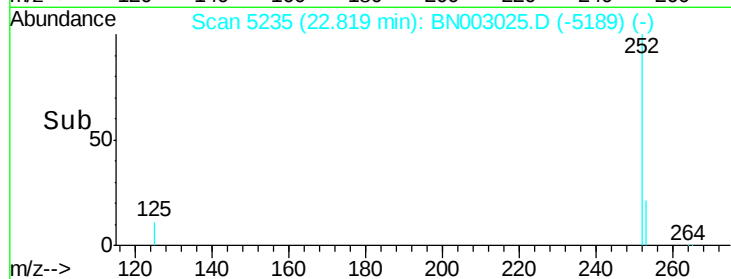
JLC55DL



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 5148  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 31.3  | 21.3  | 31.9  |
| 125       | 57.3  | 14.1  | 21.1# |

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#23

Benzo(a)pyrene

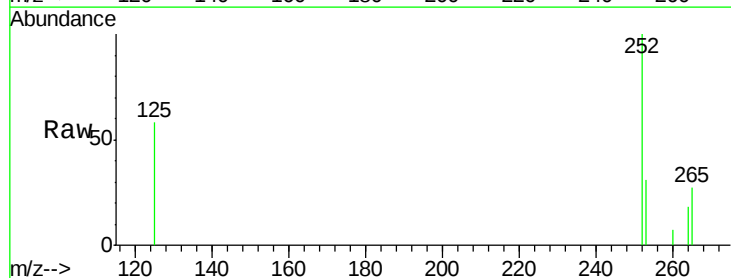
Concen: 0.285 ng/ul

RT: 23.34 min Scan# 5415

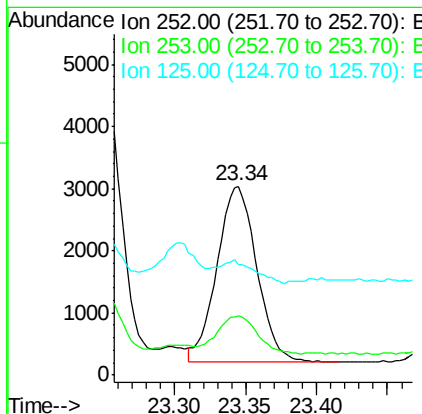
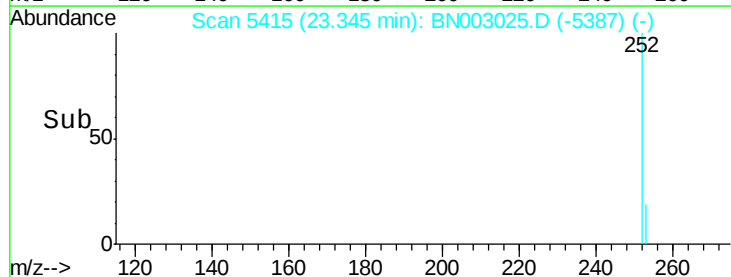
Delta R.T. -0.02 min

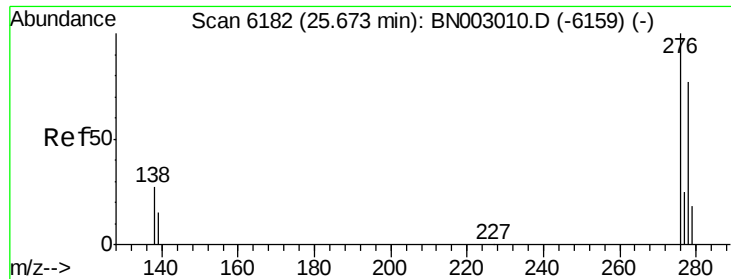
Lab File: BN003025.D

Acq: 09 Oct 2018 14:15



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 5521  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 31.3  | 23.1  | 34.7  |
| 125       | 58.4  | 16.9  | 25.3# |





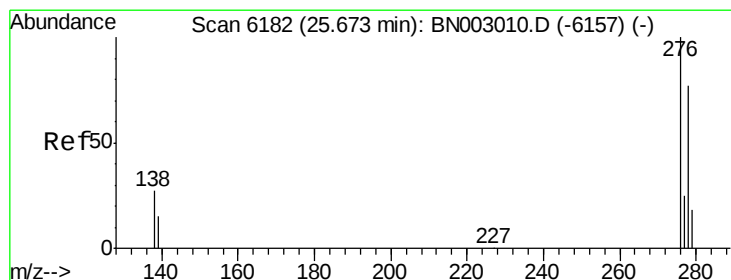
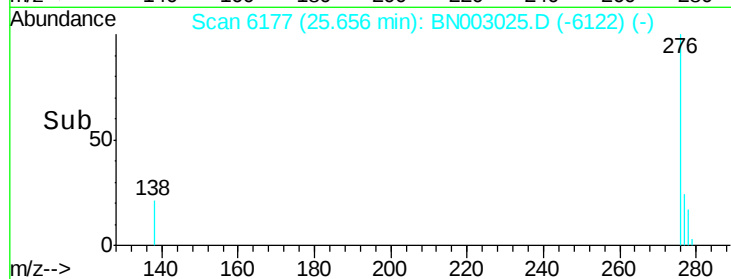
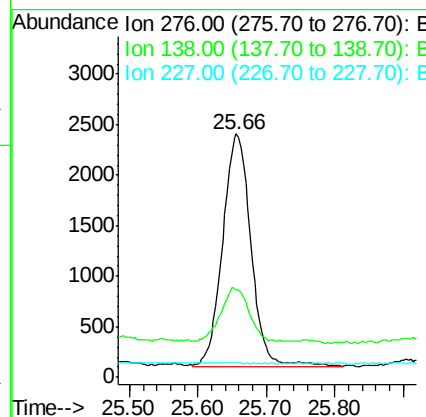
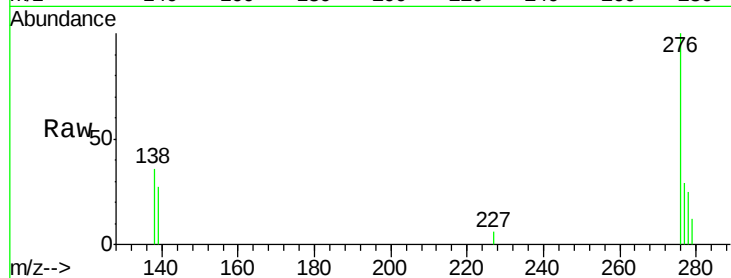
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.296 ng/ul  
 RT: 25.66 min Scan# 6177  
 Delta R.T. -0.02 min  
 Lab File: BN003025.D  
 Acq: 09 Oct 2018 14:15

Instrument :  
 BNA\_N  
 ClientSampleId :  
 JLC55DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.6  | 21.5  | 32.3  |
| 227     | 0.0   | 0.3   | 0.5   |

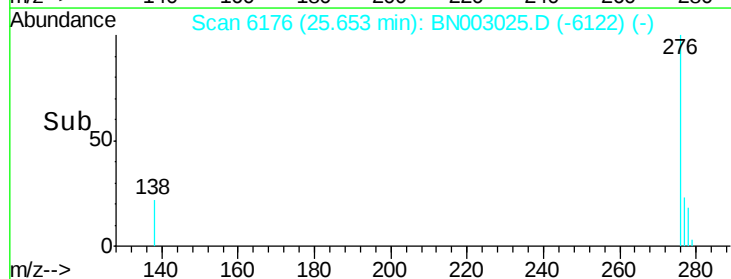
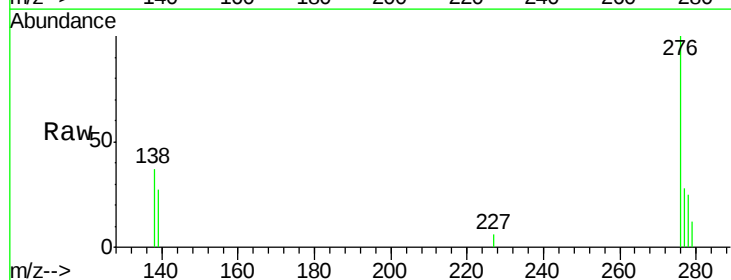
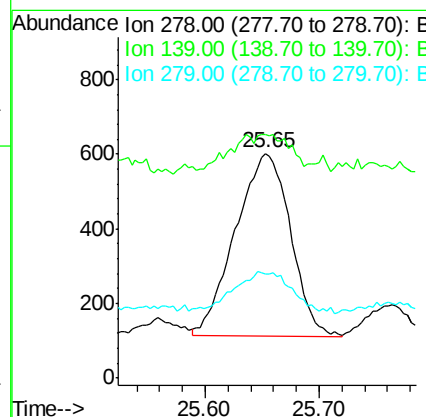
Manual Integrations  
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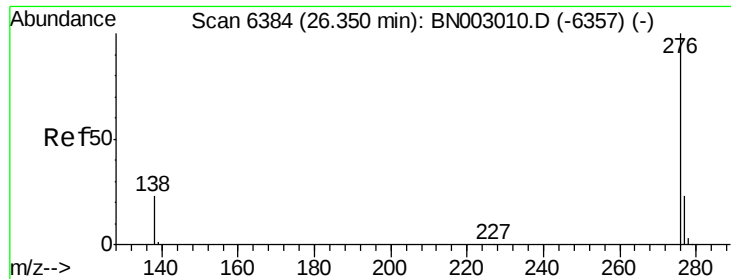
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#25  
 Dibenzo(a,h)anthracene  
 Concen: 0.092 ng/ul  
 RT: 25.65 min Scan# 6176  
 Delta R.T. -0.02 min  
 Lab File: BN003025.D  
 Acq: 09 Oct 2018 14:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 108.3 | 20.2  | 30.4  |
| 279     | 46.5  | 23.8  | 35.8  |





#26

Benzo(g,h,i)perylene

Concen: 0.348 ng/ul

RT: 26.33 min Scan# 6378

Delta R.T. -0.02 min

Lab File: BN003025.D

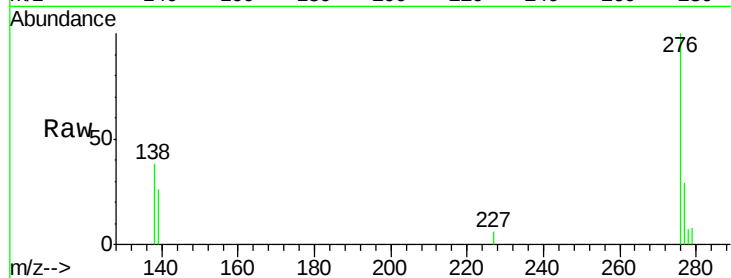
Acq: 09 Oct 2018 14:15

Instrument :

BNA\_N

ClientSampleId :

JLC55DL



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 6534  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 38.3  | 23.0  | 34.4# |
| 277       | 28.9  | 22.0  | 33.0  |

Manual Integrations  
APPROVED

Sohil  
10/9/2018 5:38:39 PM

