

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080620\  
 Data File : BN011382.D  
 Acq On : 06 Aug 2020 16:50  
 Operator : CG/JU  
 Sample : L3487-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F4L05

Manual Integrations  
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Quant Time: Aug 06 17:22:24 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN073020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 06 12:09:32 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.46  | 152  | 858      | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.20 | 136  | 2834     | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.09 | 164  | 1610     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.84 | 188  | 3848m    | 0.40  | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.06 | 240  | 3472     | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.18 | 264  | 4059     | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.80 | 152  | 1786     | 0.25  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.88 | 212  | 5472     | 0.29  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
| 3) Naphthalene              | 10.25 | 128  | 814      | 0.097 | ng/ul# | 79       |
| 8) Acenaphthene             | 14.15 | 153  | 135      | 0.022 | ng/ul# | 88       |
| 9) Fluorene                 | 15.15 | 166  | 423      | 0.059 | ng/ul# | 95       |
| 11) Pentachlorophenol       | 16.50 | 266  | 2847     | 3.018 | ng/ul  | 100      |
| 12) Phenanthrene            | 16.88 | 178  | 270      | 0.021 | ng/ul# | 54       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.25 | 276  | 321      | 0.021 | ng/ul# | 70       |
| 26) Benzo(a,h,i)perylene    | 25.87 | 276  | 306      | 0.022 | ng/ul# | 16       |

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

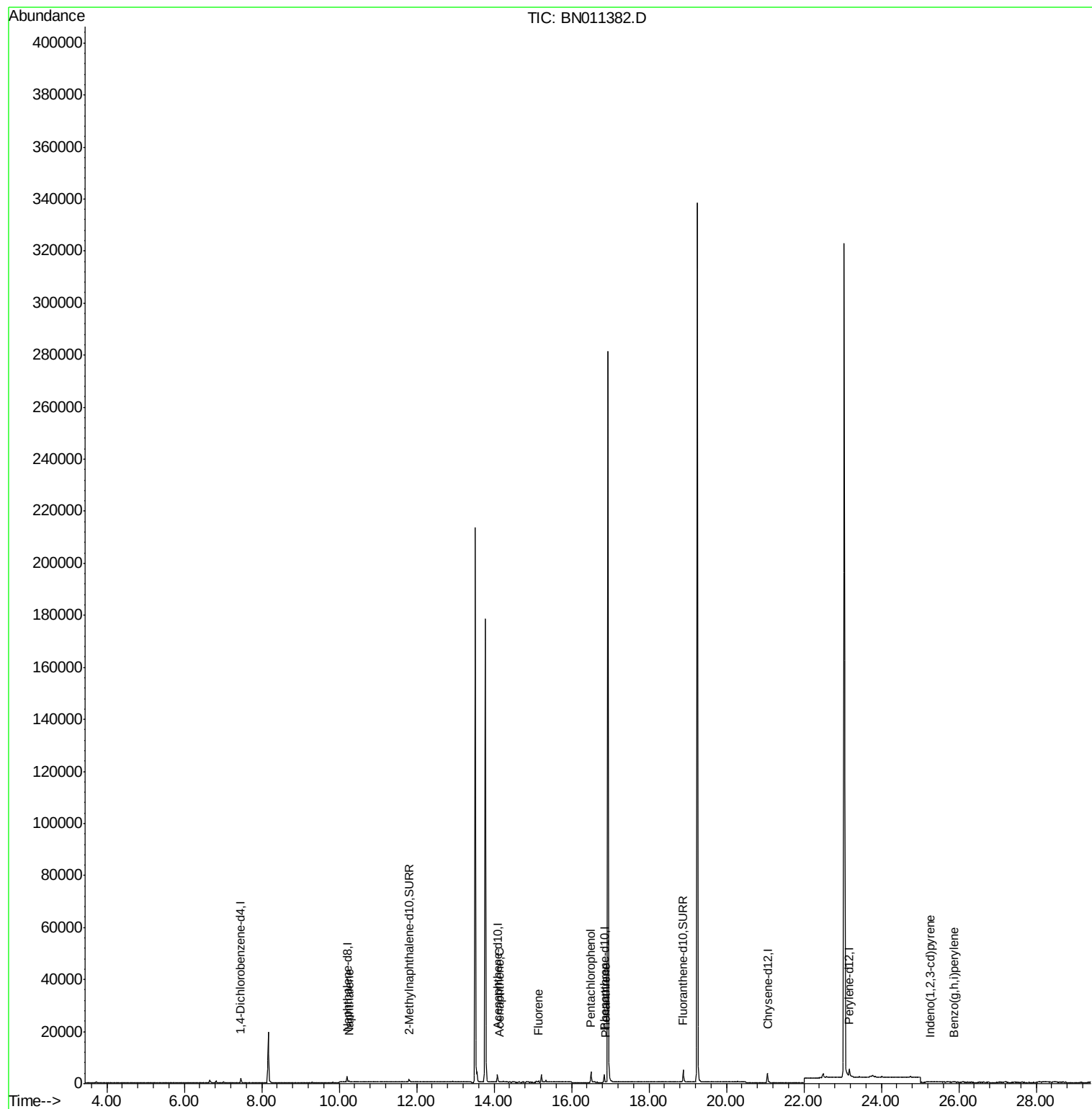
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080620\  
Data File : BN011382.D  
Acq On : 06 Aug 2020 16:50  
Operator : CG/JU  
Sample : L3487-06  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

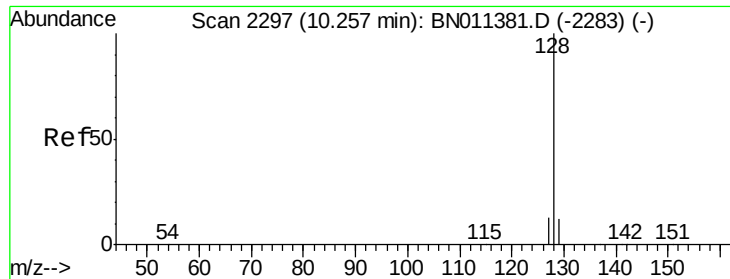
Instrument :  
BNA\_N  
ClientSampleId :  
F4L05

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Quant Time: Aug 06 17:22:24 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN073020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 06 12:09:32 2020  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.097 ng/ul

RT: 10.25 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BN011382.D

Acq: 06 Aug 2020 16:50

Instrument :

BNA\_N

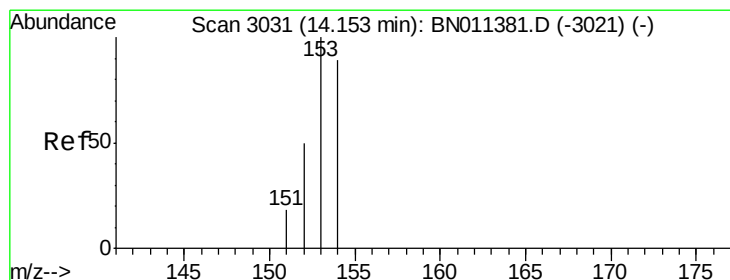
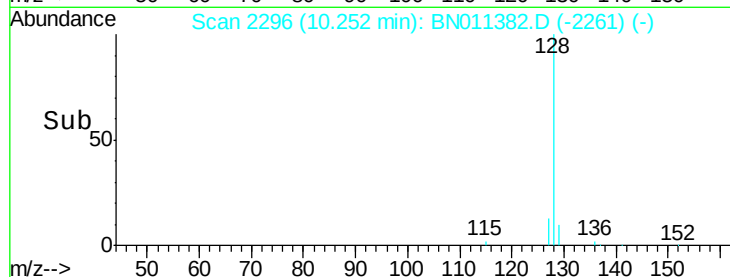
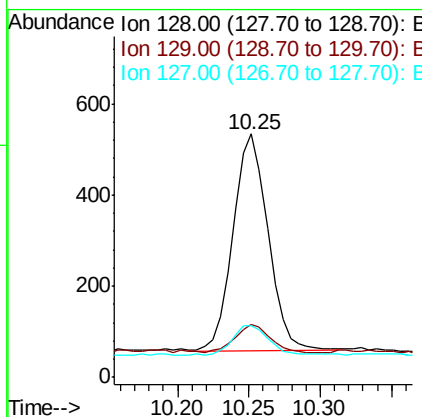
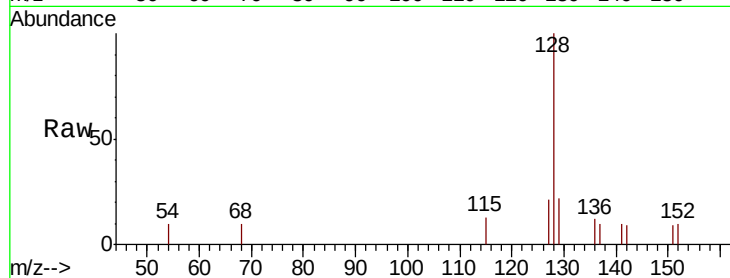
ClientSampleId :

F4L05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 814   |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 21.9  | 9.6   | 14.4# |
| 127       | 21.0  | 11.2  | 16.8# |

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#8

Acenaphthene

Concen: 0.022 ng/ul

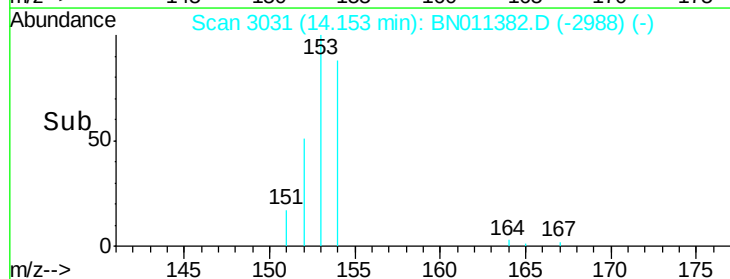
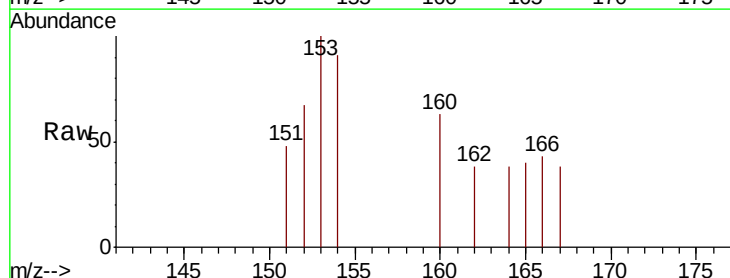
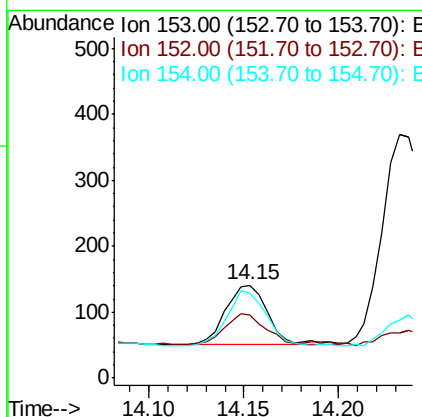
RT: 14.15 min Scan# 3031

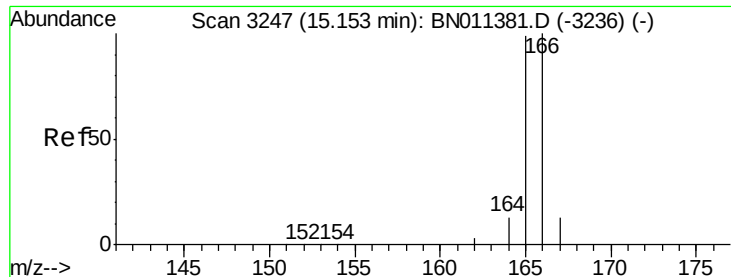
Delta R.T. -0.00 min

Lab File: BN011382.D

Acq: 06 Aug 2020 16:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 135   |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 67.4  | 40.5  | 60.7# |
| 154       | 90.8  | 69.5  | 104.3 |





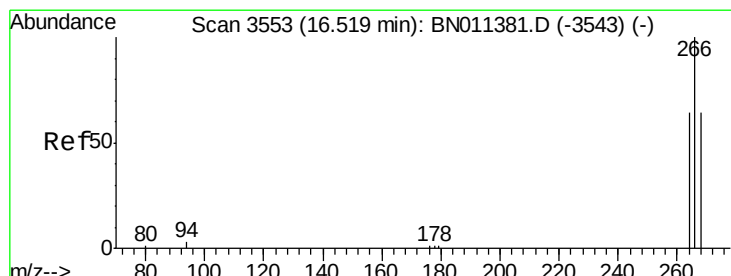
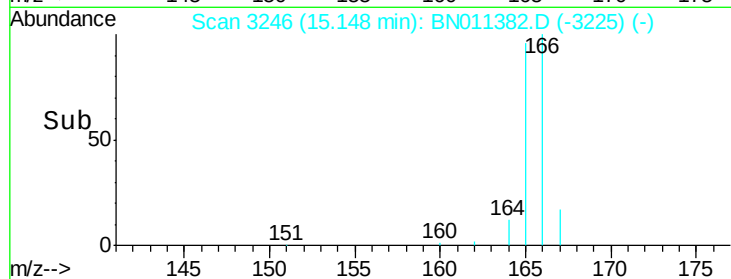
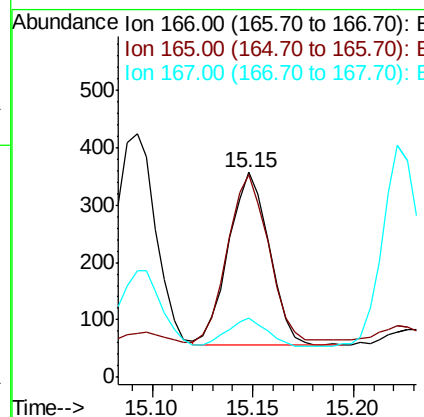
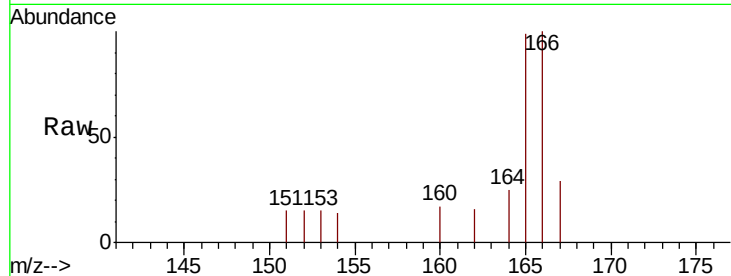
#9  
**Fluorene**  
 Concen: 0.059 ng/ul  
 RT: 15.15 min Scan# 3246  
 Delta R.T. -0.00 min  
 Lab File: BN011382.D  
 Acq: 06 Aug 2020 16:50

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F4L05

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.6  | 78.8  | 118.2 |
| 167     | 29.1  | 12.1  | 18.1# |

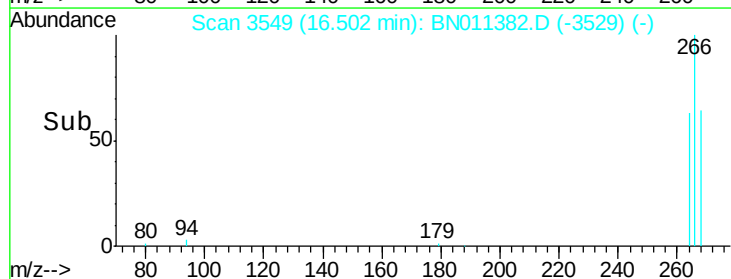
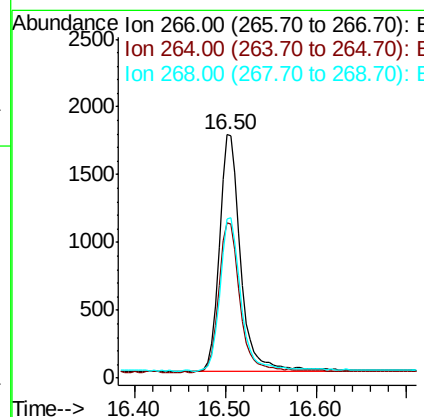
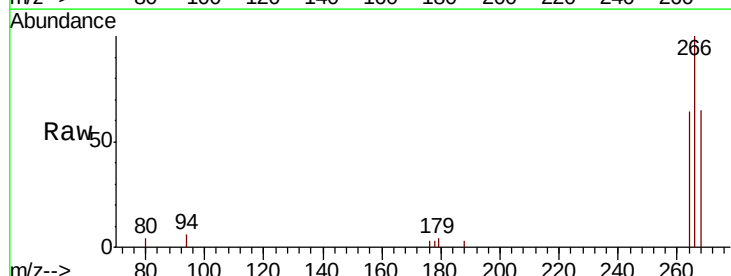
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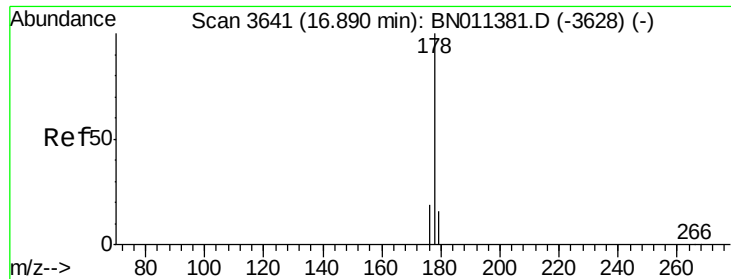
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#11  
**Pentachlorophenol**  
 Concen: 3.018 ng/ul  
 RT: 16.50 min Scan# 3549  
 Delta R.T. -0.02 min  
 Lab File: BN011382.D  
 Acq: 06 Aug 2020 16:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.6  | 50.7  | 76.1  |
| 268     | 64.0  | 51.3  | 76.9  |





#12

Phenanthrene

Concen: 0.021 ng/ul

RT: 16.88 min Scan# 3639

Delta R.T. -0.01 min

Lab File: BN011382.D

Acq: 06 Aug 2020 16:50

Instrument :

BNA\_N

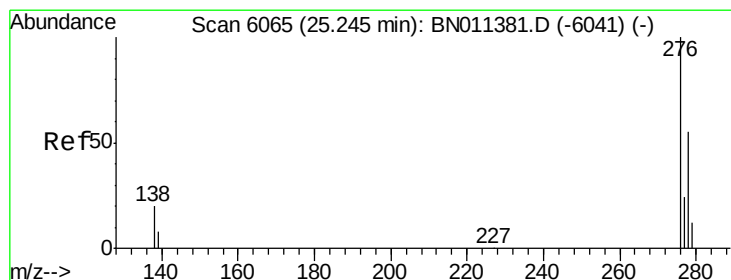
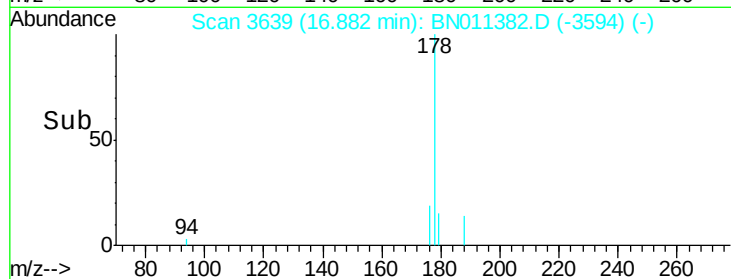
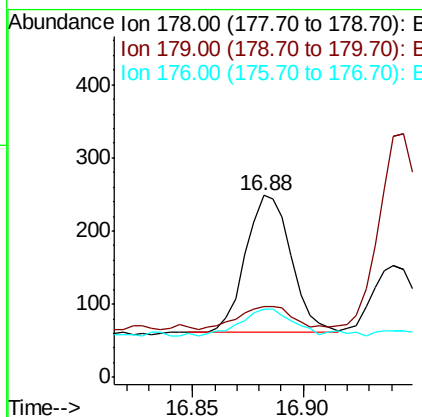
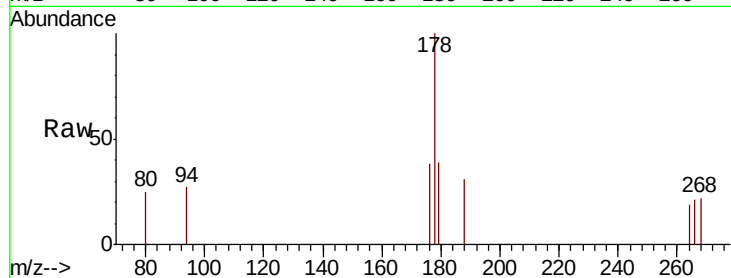
ClientSampleId :

F4L05

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 178   | Resp: | 270   |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 38.6  | 12.6  | 18.8# |
| 176      | 37.8  | 15.7  | 23.5# |

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.021 ng/ul

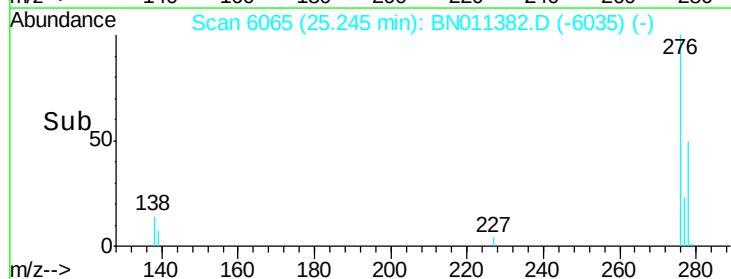
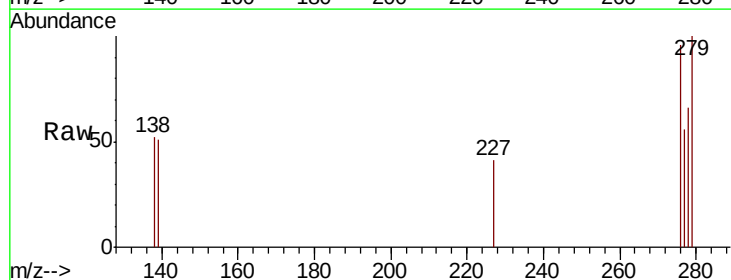
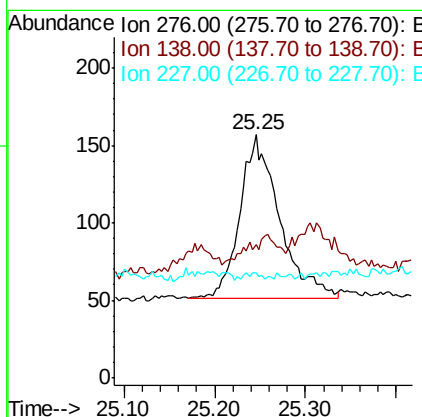
RT: 25.25 min Scan# 6065

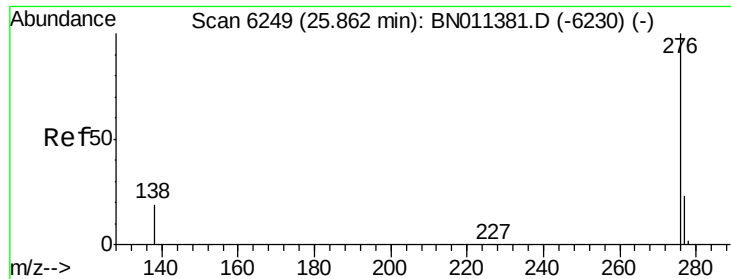
Delta R.T. -0.00 min

Lab File: BN011382.D

Acq: 06 Aug 2020 16:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 321   |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 138      | 7.8   | 18.1  | 27.1# |
| 227      | 0.9   | 0.2   | 0.4#  |





#26

Benzo(a,h,i)perylene

Concen: 0.022 ng/ul

RT: 25.87 min Scan# 6252

Delta R.T. 0.00 min

Lab File: BN011382.D

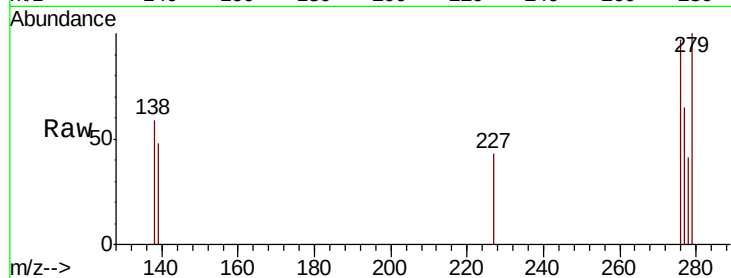
Acq: 06 Aug 2020 16:50

Instrument :

BNA\_N

ClientSampleId :

F4L05



| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 60.1  | 16.4  | 24.6# |
| 277     | 66.9  | 20.2  | 30.4# |

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