

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080620\  
 Data File : BN011388.D  
 Acq On : 06 Aug 2020 20:25  
 Operator : CG/JU  
 Sample : L3419-16  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AF3

Manual Integrations  
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Quant Time: Aug 07 02:17:51 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 : Fri Aug 07 02:04:45 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.46  | 152  | 1289     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.20 | 136  | 4517     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.09 | 164  | 2503     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.84 | 188  | 5537m    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.06 | 240  | 5283     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.18 | 264  | 5498     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.80 | 152  | 1906     | 0.17   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.88 | 212  | 3372     | 0.13   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 16.88 | 178  | 465      | 0.025  | ng/ul# | 68       |
| 15) Fluoranthene            | 18.91 | 202  | 1573     | 0.070  | ng/ul  | 86       |
| 17) Pyrene                  | 19.27 | 202  | 1845m    | 0.077  | ng/ul  |          |
| 18) Benzo(a)anthracene      | 21.05 | 228  | 827      | 0.041  | ng/ul# | 83       |
| 19) Chrysene                | 21.09 | 228  | 893      | 0.038  | ng/ul# | 84       |
| 21) Benzo(b)fluoranthene    | 22.56 | 252  | 1247m    | 0.054  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.59 | 252  | 596m     | 0.023  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.08 | 252  | 743      | 0.037  | ng/ul# | 11       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.25 | 276  | 583      | 0.028  | ng/ul# | 84       |
| 26) Benzo(g,h,i)perylene    | 25.87 | 276  | 577      | 0.030  | ng/ul# | 50       |

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

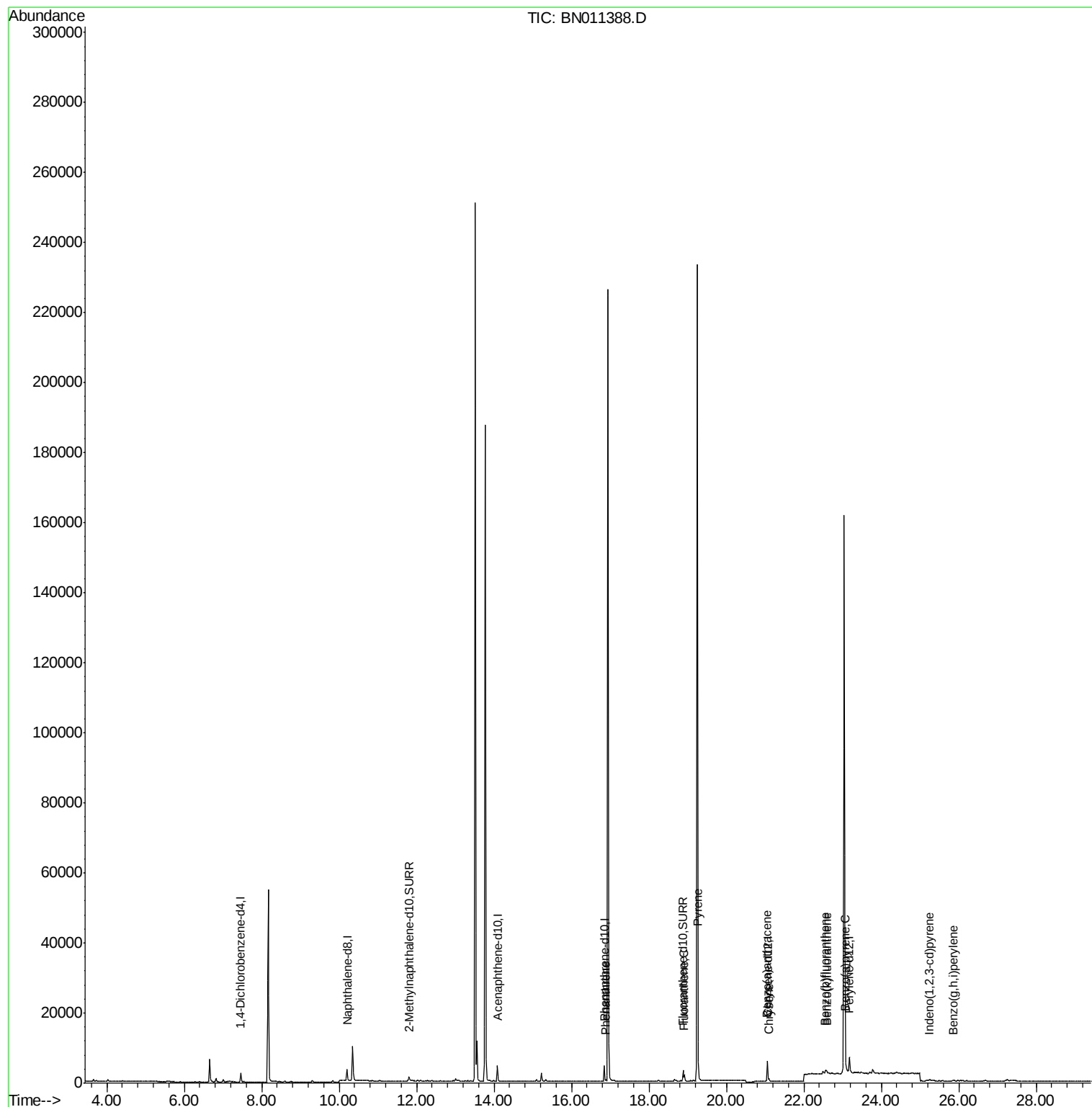
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080620\  
Data File : BN011388.D  
Acq On : 06 Aug 2020 20:25  
Operator : CG/JU  
Sample : L3419-16  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

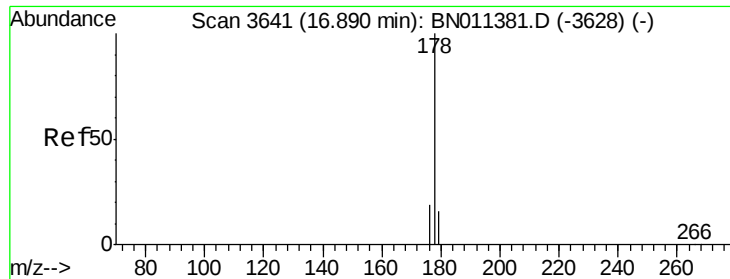
Instrument :  
BNA\_N  
ClientSampleId :  
C0AF3

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8/7/2020 1:53:25 PM

Quant Time: Aug 07 02:17:51 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 : Fri Aug 07 02:04:45 2020  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.025 ng/ul

RT: 16.88 min Scan# 3639

Delta R.T. -0.01 min

Lab File: BN011388.D

Acq: 06 Aug 2020 20:25

Instrument :

BNA\_N

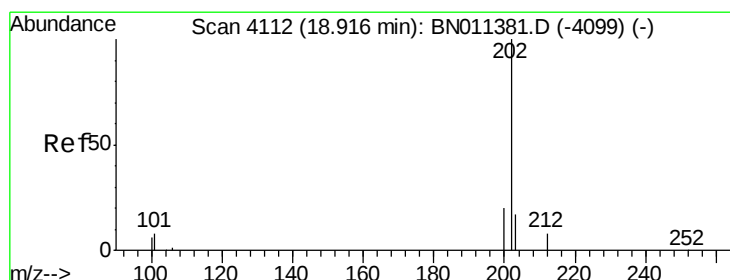
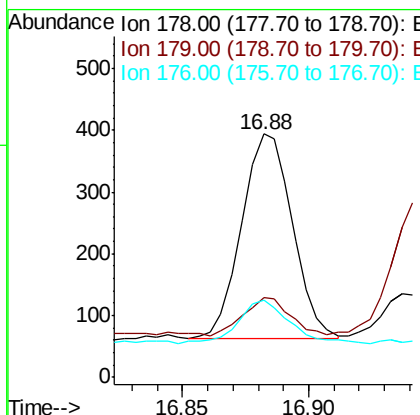
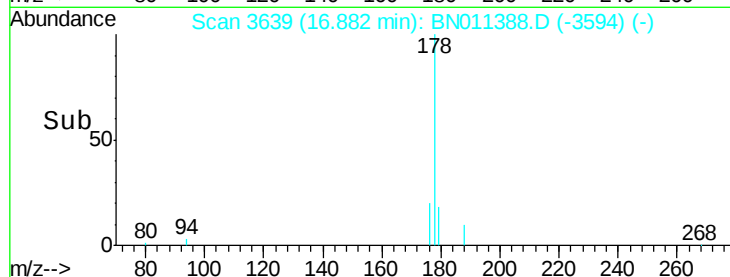
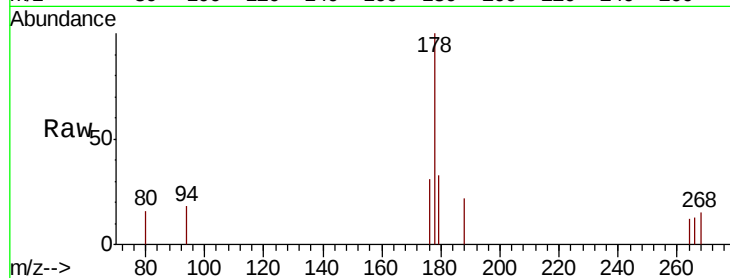
ClientSampleId :

C0AF3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 465   |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 32.7  | 12.6  | 18.8# |
| 176       | 31.5  | 15.7  | 23.5# |

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#15

Fluoranthene

Concen: 0.070 ng/ul

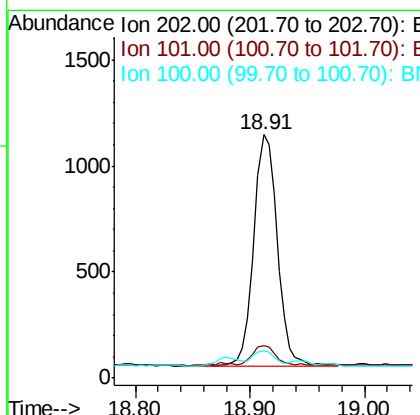
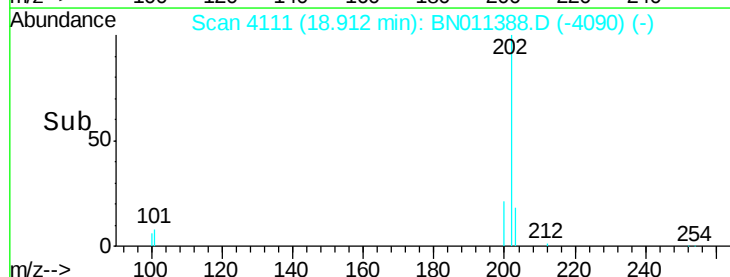
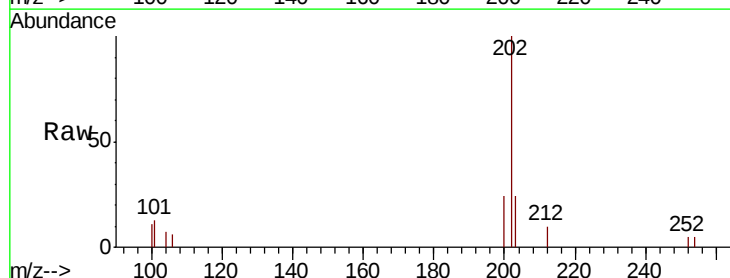
RT: 18.91 min Scan# 4111

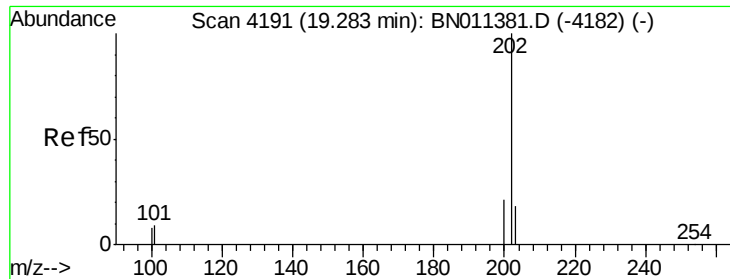
Delta R.T. -0.00 min

Lab File: BN011388.D

Acq: 06 Aug 2020 20:25

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 1573 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 13.3  | 0.0   | 28.2 |
| 100       | 11.3  | 0.0   | 26.8 |





#17

Pvrene

Concen: 0.077 ng/ul m

RT: 19.27 min Scan# 4189

Delta R.T. -0.01 min

Lab File: BN011388.D

Acq: 06 Aug 2020 20:25

Instrument :

BNA\_N

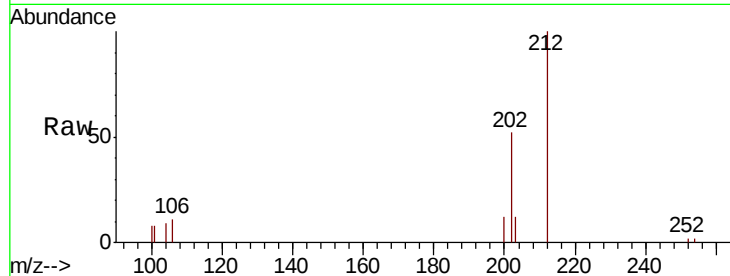
ClientSampleId :

C0AF3

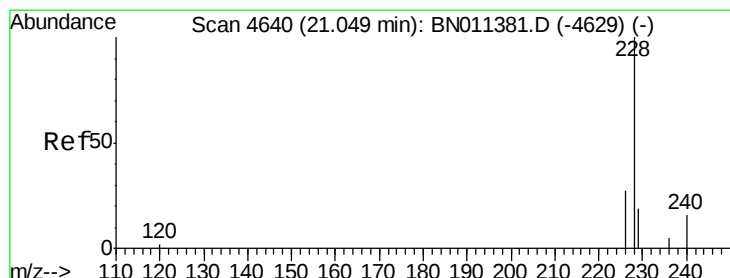
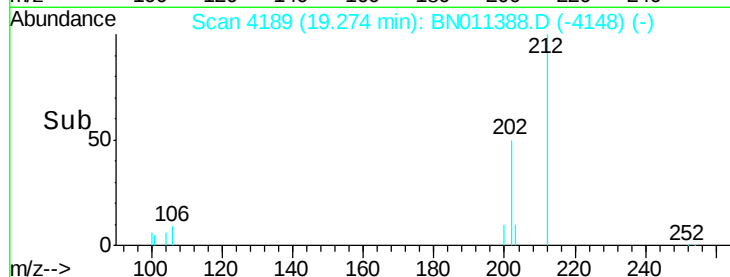
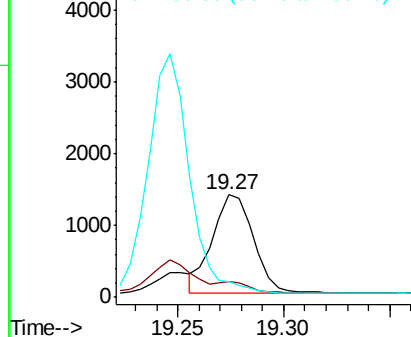
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 1845  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 14.8  | 8.5   | 12.7# |
| 100       | 15.3  | 7.1   | 10.7# |

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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): E



#18

Benzo(a)anthracene

Concen: 0.041 ng/ul

RT: 21.05 min Scan# 4639

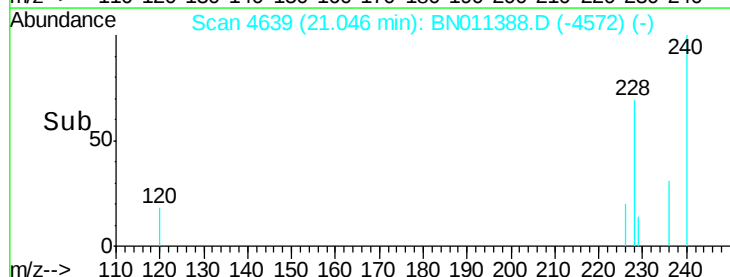
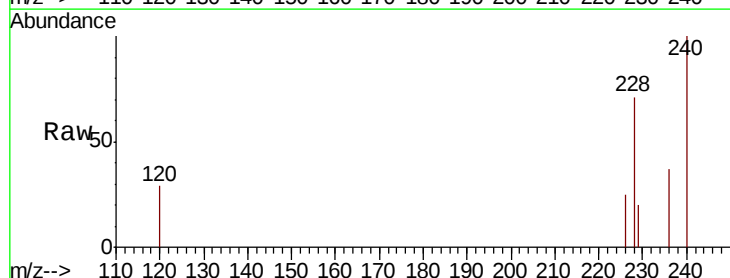
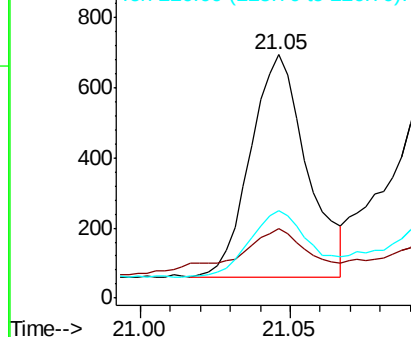
Delta R.T. -0.00 min

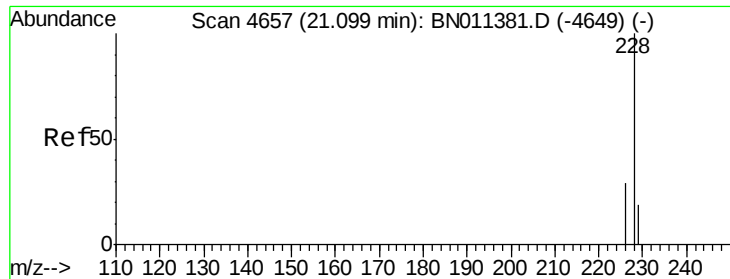
Lab File: BN011388.D

Acq: 06 Aug 2020 20:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 827   |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 28.3  | 16.1  | 24.1# |
| 226       | 35.8  | 22.2  | 33.2# |

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: 0.038 ng/ul

RT: 21.09 min Scan# 4655

Delta R.T. -0.01 min

Lab File: BN011388.D

Acq: 06 Aug 2020 20:25

Instrument :

BNA\_N

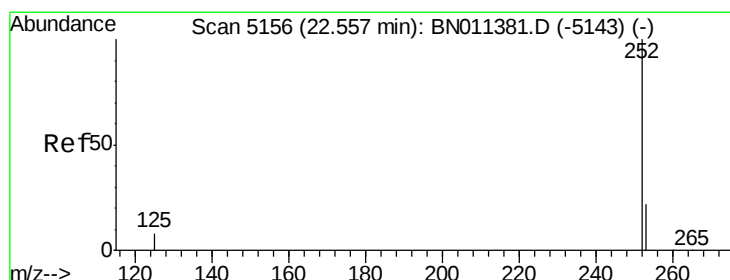
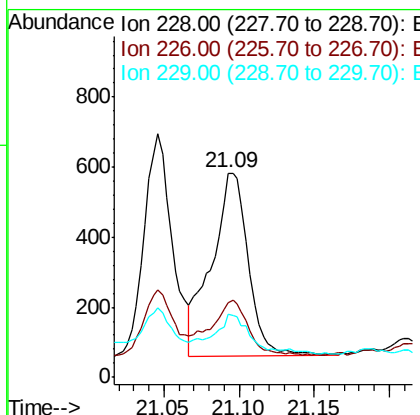
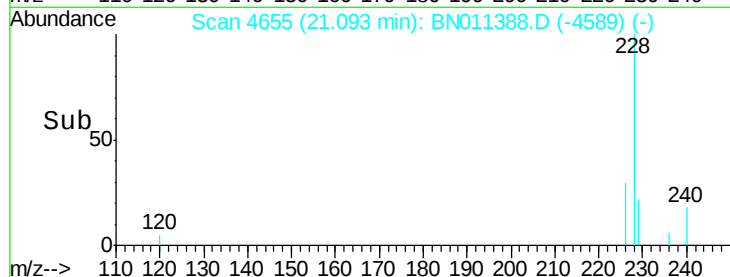
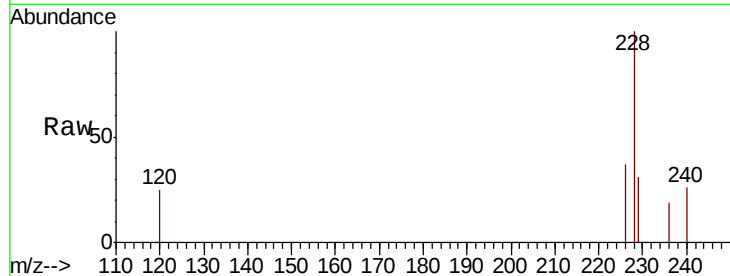
ClientSampleId :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 893   |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 36.7  | 24.5  | 36.7  |
| 229       | 30.9  | 15.8  | 23.6# |

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#21

Benzo(b)fluoranthene

Concen: 0.054 ng/ul m

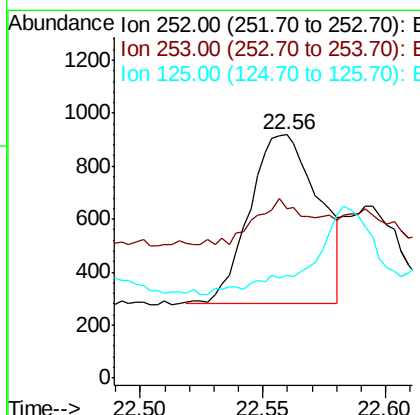
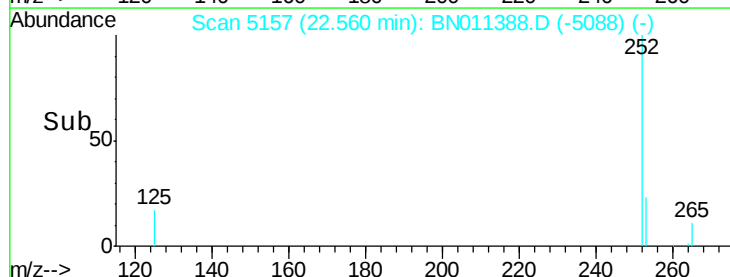
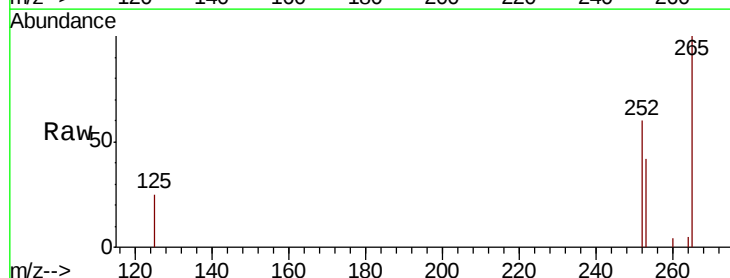
RT: 22.56 min Scan# 5157

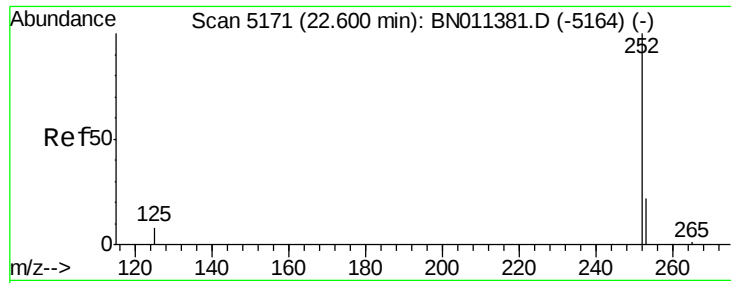
Delta R.T. 0.00 min

Lab File: BN011388.D

Acq: 06 Aug 2020 20:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 1247  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 69.3  | 0.0   | 51.8# |
| 125       | 42.1  | 0.0   | 24.2# |





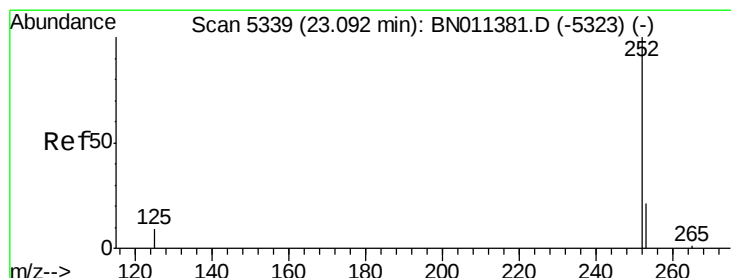
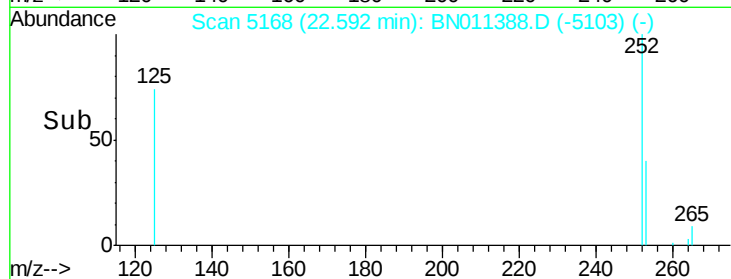
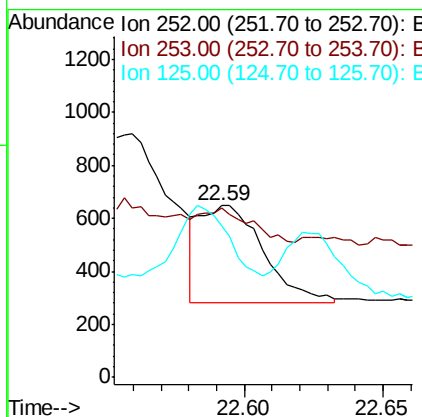
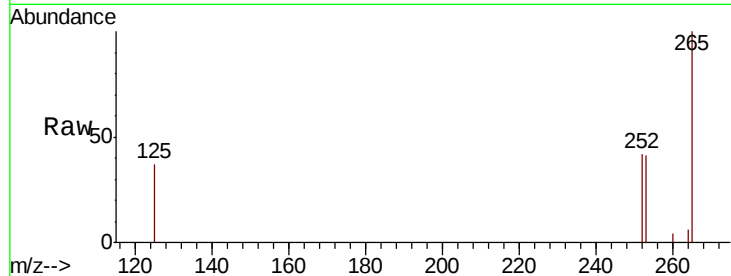
#22  
Benzo(k)fluoranthene  
Concen: 0.023 ng/ul m  
RT: 22.59 min Scan# 5168  
Delta R.T. -0.01 min  
Lab File: BN011388.D  
Acq: 06 Aug 2020 20:25

Instrument :  
BNA\_N  
ClientSampled :  
C0AF3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 98.3  | 21.4  | 32.0# |
| 125     | 88.1  | 12.6  | 18.8# |

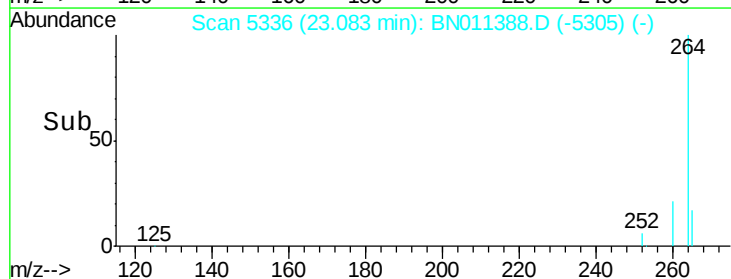
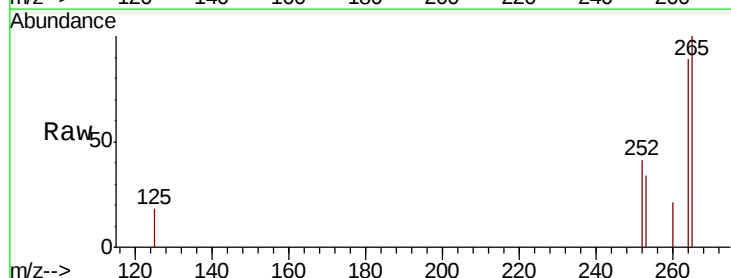
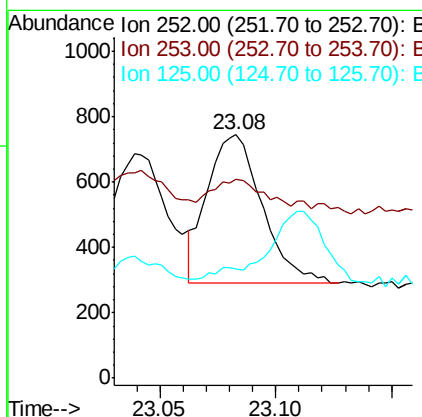
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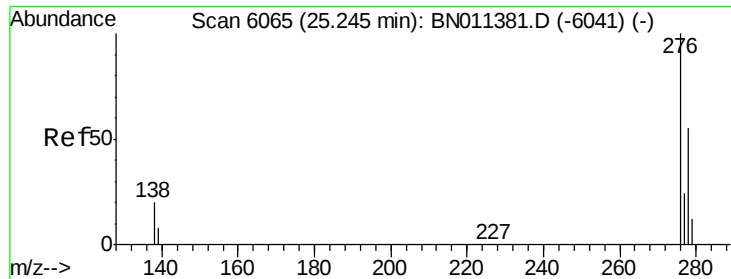
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#23  
Benzo(a)pyrene  
Concen: 0.037 ng/ul  
RT: 23.08 min Scan# 5336  
Delta R.T. -0.01 min  
Lab File: BN011388.D  
Acq: 06 Aug 2020 20:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 81.5  | 22.6  | 34.0# |
| 125     | 44.7  | 12.6  | 18.8# |





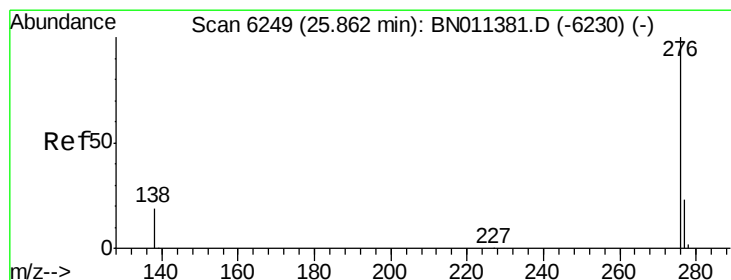
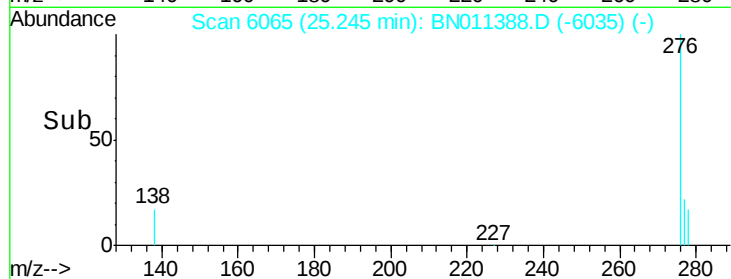
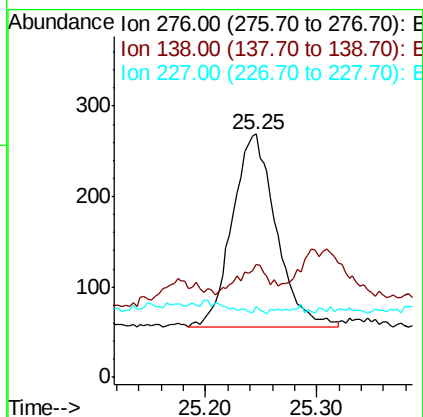
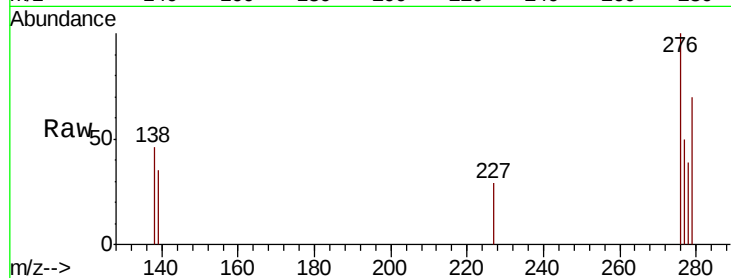
#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.028 ng/u1  
RT: 25.25 min Scan# 6065  
Delta R.T. -0.00 min  
Lab File: BN011388.D  
Acq: 06 Aug 2020 20:25

Instrument :  
BNA\_N  
ClientSampleId :  
C0AF3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 14.6  | 18.1  | 27.1# |
| 227     | 0.5   | 0.2   | 0.4#  |

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#26  
Benzo(g,h,i)perylene  
Concen: 0.030 ng/u1  
RT: 25.87 min Scan# 6250  
Delta R.T. -0.00 min  
Lab File: BN011388.D  
Acq: 06 Aug 2020 20:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 45.7  | 16.4  | 24.6# |
| 277     | 48.6  | 20.2  | 30.4# |

