

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110118\  
 Data File : BN003385.D  
 Acq On : 01 Nov 2018 18:59  
 Operator : MJ/SJ  
 Sample : J5657-17MS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A40F1MS

Manual Integrations  
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 11/2/2018 4:14:05 PM

Quant Time: Nov 02 04:08:54 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN110118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 02 04:49:17 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.86  | 152  | 11362    | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.65 | 136  | 46979    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.49 | 164  | 26533    | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.23 | 188  | 65477    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.41 | 240  | 63723    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.72 | 264  | 54488    | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.24 | 152  | 16142    | 0.21   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.26 | 212  | 48633    | 0.26   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 8) Acenaphthene             | 14.55 | 153  | 23874    | 0.232  | ng/ul  | 99       |
| 11) Pentachlorophenol       | 16.87 | 266  | 874      | 0.067  | ng/ul  | 98       |
| 12) Phenanthrene            | 17.27 | 178  | 6654     | 0.031  | ng/ul  | 94       |
| 15) Fluoranthene            | 19.29 | 202  | 18256    | 0.076  | ng/ul  | 81       |
| 17) Pyrene                  | 19.65 | 202  | 79874    | 0.345  | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.39 | 228  | 6829     | 0.034  | ng/ul# | 79       |
| 19) Chrysene                | 21.45 | 228  | 11644    | 0.051  | ng/ul# | 85       |
| 21) Benzo(b)fluoranthene    | 23.02 | 252  | 14052m   | 0.060  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.06 | 252  | 4634m    | 0.020  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.62 | 252  | 7967     | 0.041  | ng/ul# | 30       |
| 24) Indeno(1,2,3-cd)pyrene  | 26.08 | 276  | 4946     | 0.024  | ng/ul# | 51       |
| 26) Benzo(g,h,i)perylene    | 26.80 | 276  | 4639     | 0.026  | ng/ul# | 62       |

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

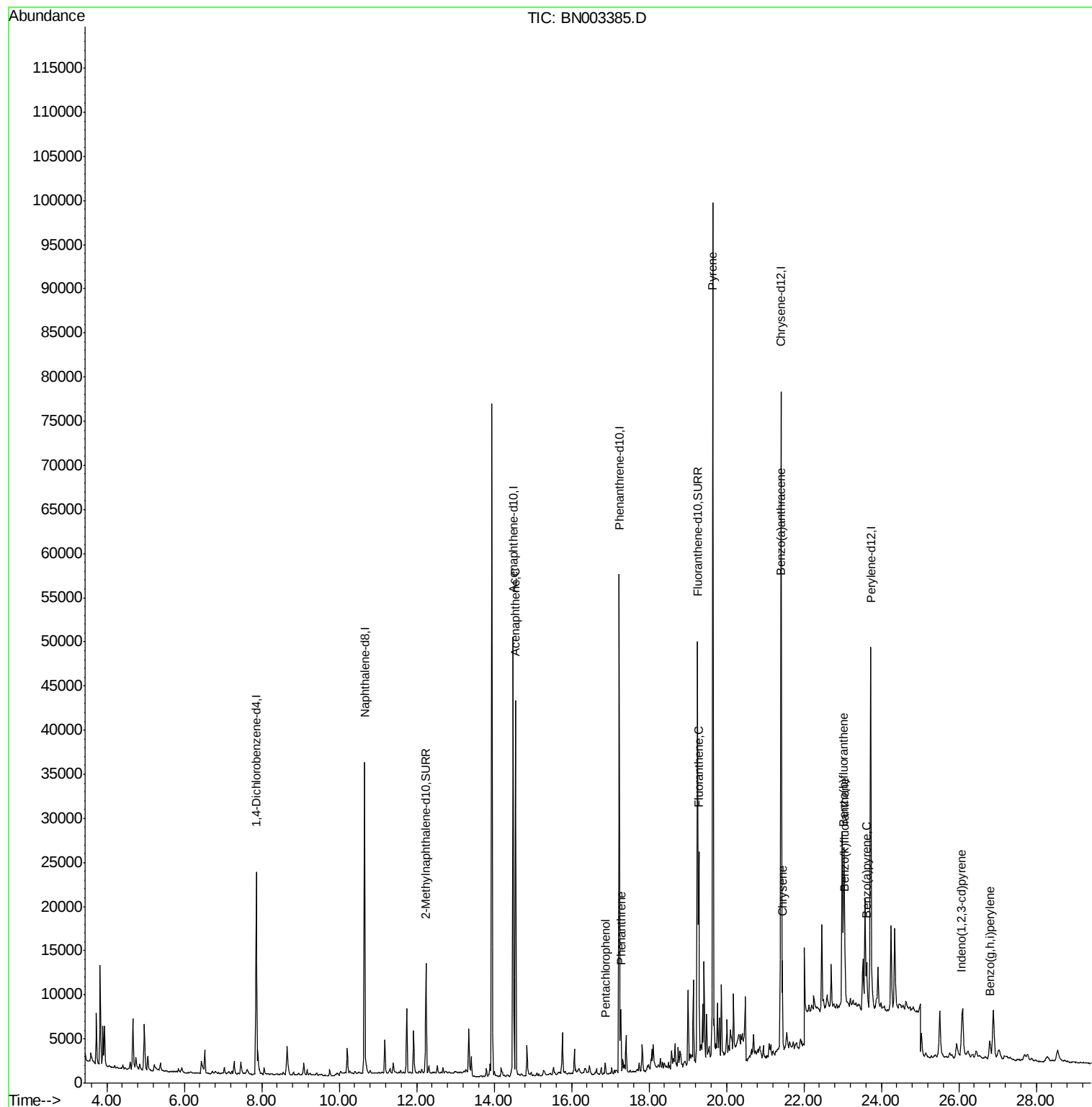
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110118\  
Data File : BN003385.D  
Acq On : 01 Nov 2018 18:59  
Operator : MJ/SJ  
Sample : J5657-17MS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

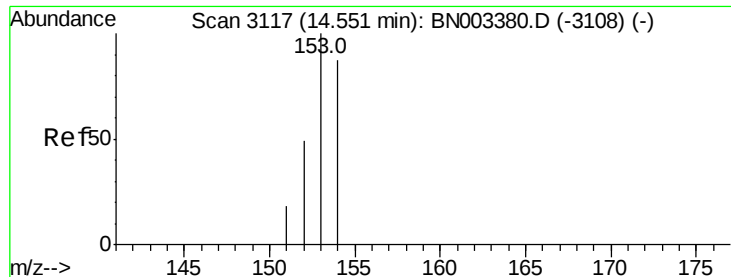
Instrument :  
BNA\_N  
ClientSampleId :  
A40F1MS

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11/2/2018 4:14:05 PM

Quant Time: Nov 02 04:08:54 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN110118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 02 04:49:17 2018  
Response via : Initial Calibration





#8

Acenaphthene

Concen: 0.232 ng/ul

RT: 14.55 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BN003385.D

Acq: 01 Nov 2018 18:59

Instrument :

BNA\_N

ClientSampleId :

A40F1MS

Tot Ion:153 Resp: 23874

Ion Ratio Lower Upper

153 100

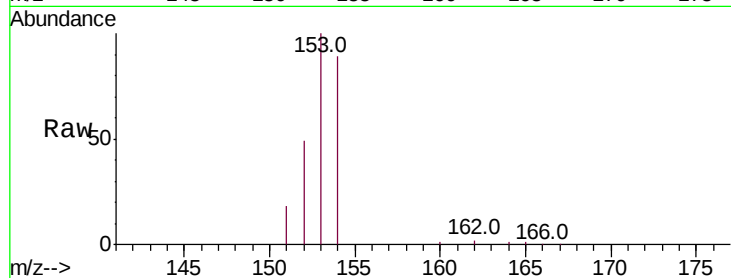
152 48.7 39.5 59.3

154 89.3 70.3 105.5

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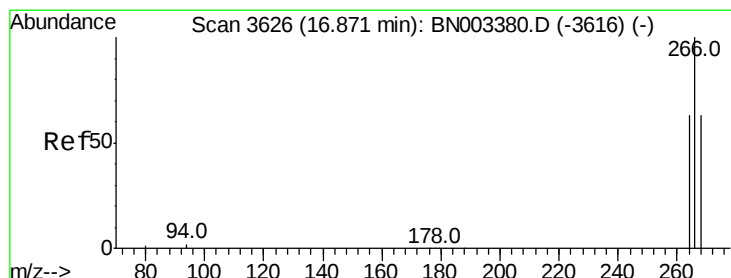
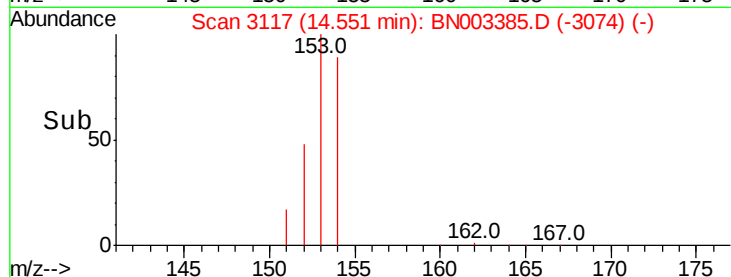
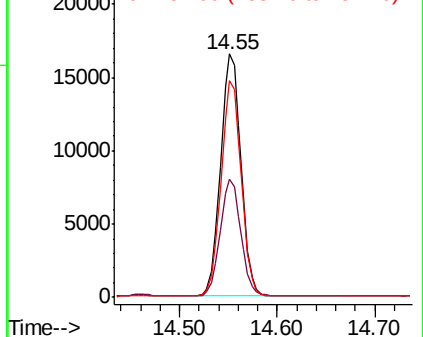


Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Pentachlorophenol

Concen: 0.067 ng/ul

RT: 16.87 min Scan# 3626

Delta R.T. -0.00 min

Lab File: BN003385.D

Acq: 01 Nov 2018 18:59

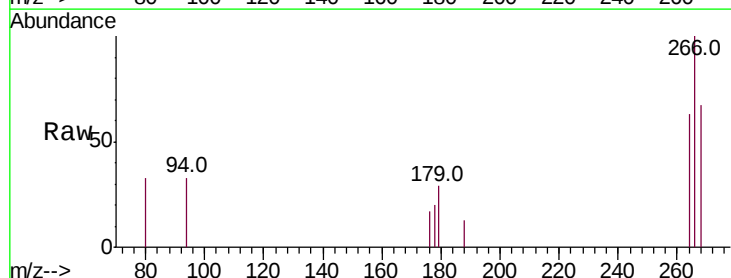
Tgt Ion:266 Resp: 874

Ion Ratio Lower Upper

266 100

264 62.4 50.2 75.4

268 65.6 50.7 76.1

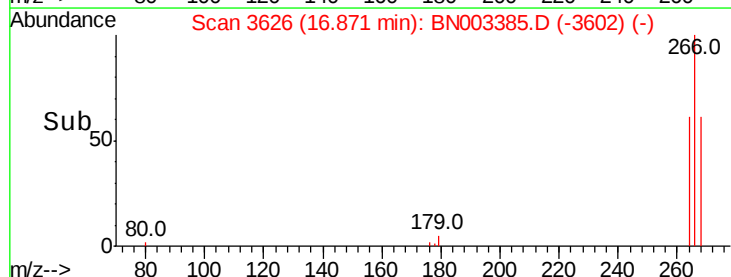
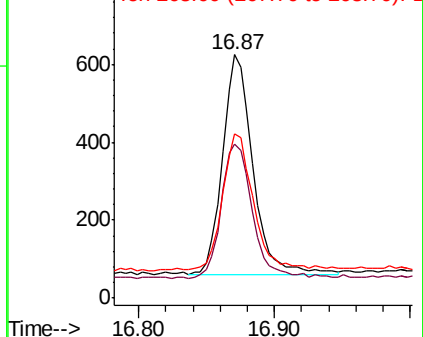


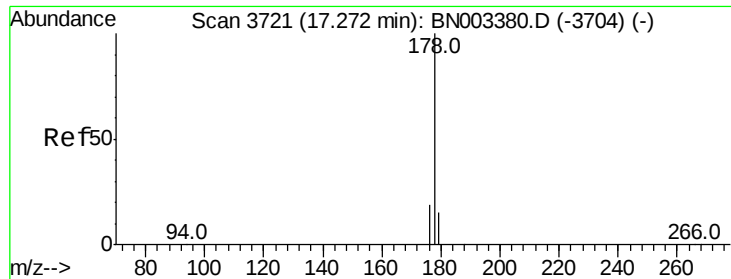
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





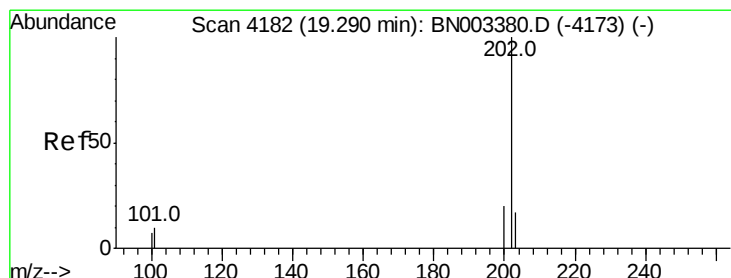
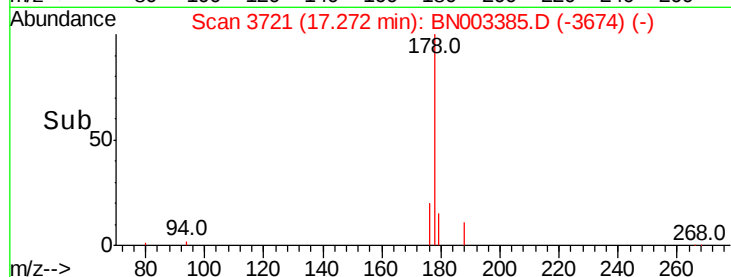
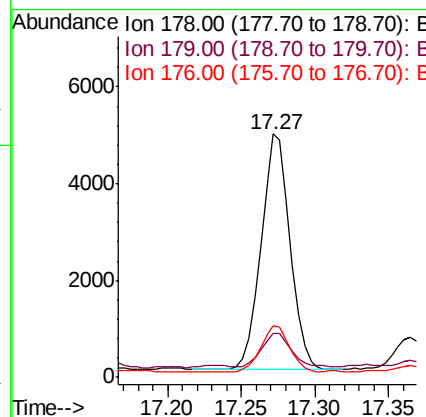
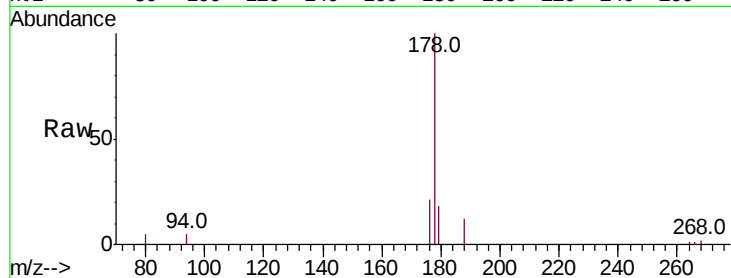
#12  
Phenanthrene  
Concen: 0.031 ng/ul  
RT: 17.27 min Scan# 3721  
Delta R.T. -0.00 min  
Lab File: BN003385.D  
Acq: 01 Nov 2018 18:59

Instrument :  
BNA\_N  
ClientSampleId :  
A40F1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 18.0  | 12.4  | 18.6  |
| 176     | 21.4  | 15.0  | 22.4  |

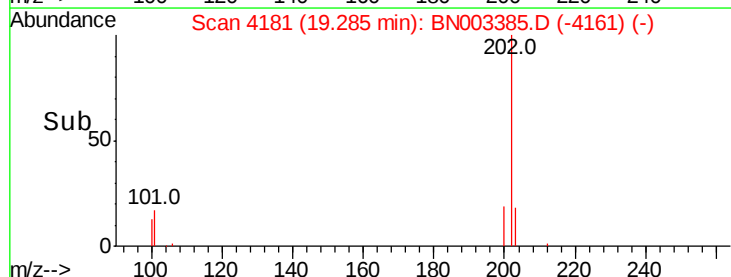
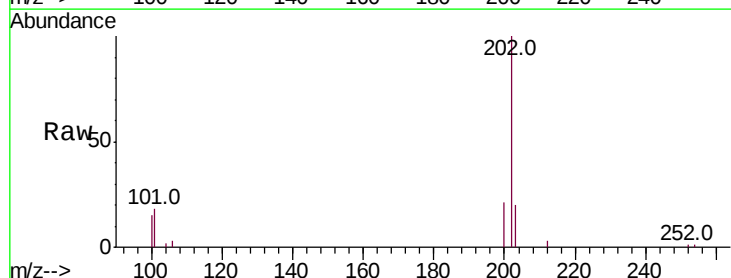
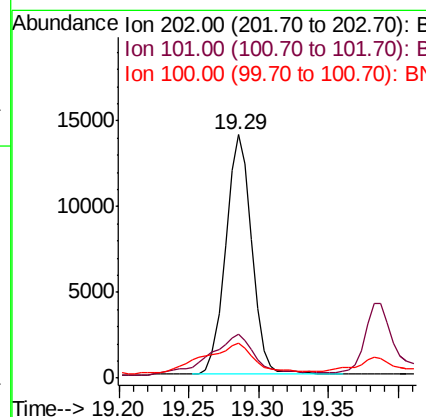
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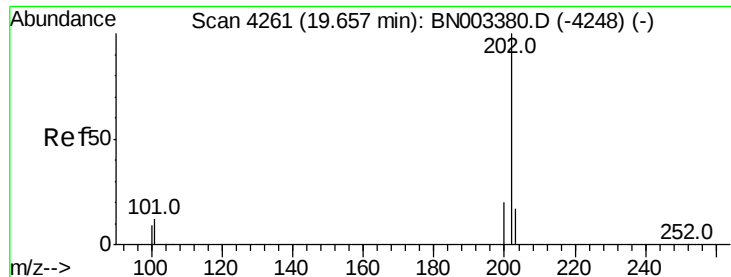
Sohil  
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#15  
Fluoranthene  
Concen: 0.076 ng/ul  
RT: 19.29 min Scan# 4181  
Delta R.T. -0.00 min  
Lab File: BN003385.D  
Acq: 01 Nov 2018 18:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 18.2  | 0.0   | 30.7  |
| 100     | 14.5  | 0.0   | 28.0  |





#17

Pvrene

Concen: 0.345 ng/ul

RT: 19.65 min Scan# 4260

Delta R.T. -0.00 min

Lab File: BN003385.D

Acq: 01 Nov 2018 18:59

Instrument :

BNA\_N

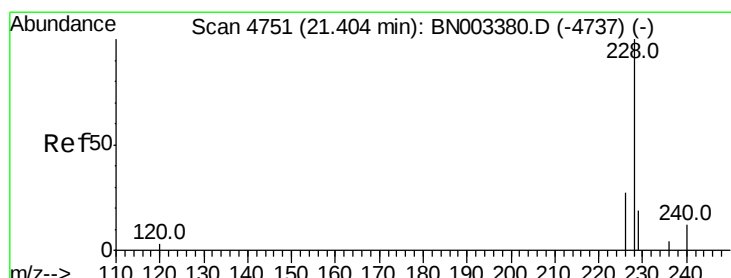
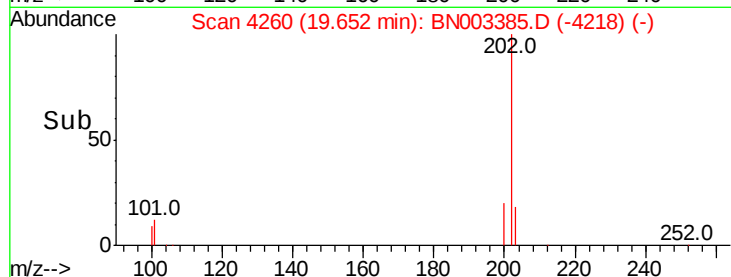
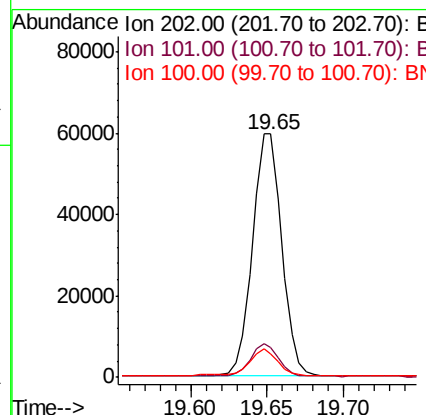
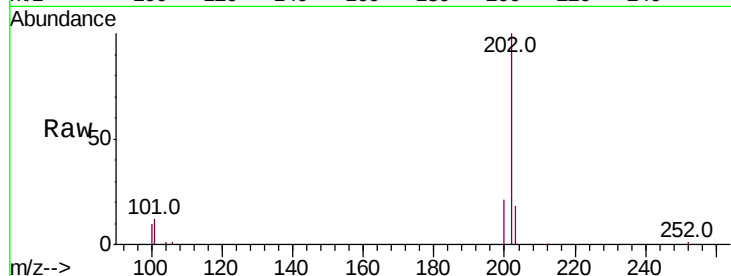
ClientSampleId :

A40F1MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 79874 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.2  | 9.5   | 14.3  |
| 100       | 9.8   | 7.5   | 11.3  |

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#18

Benzo(a)anthracene

Concen: 0.034 ng/ul

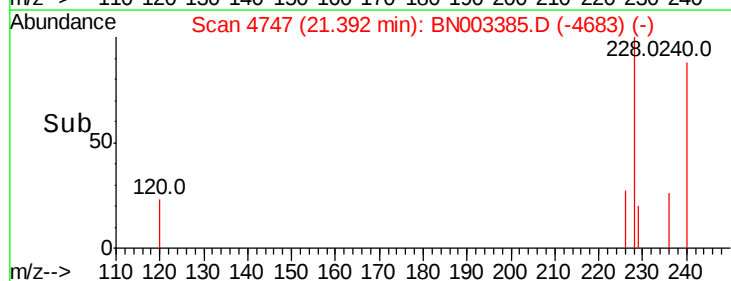
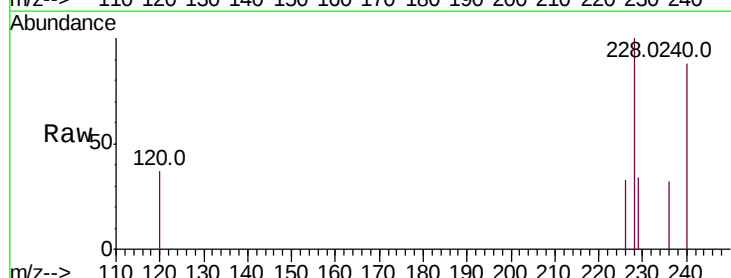
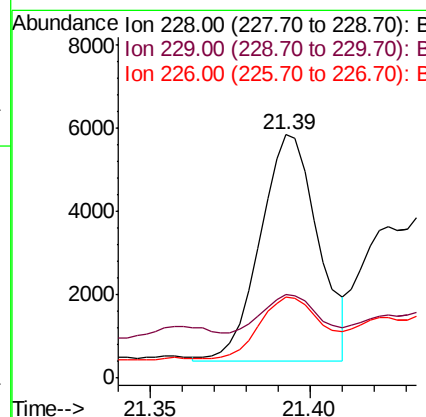
RT: 21.39 min Scan# 4747

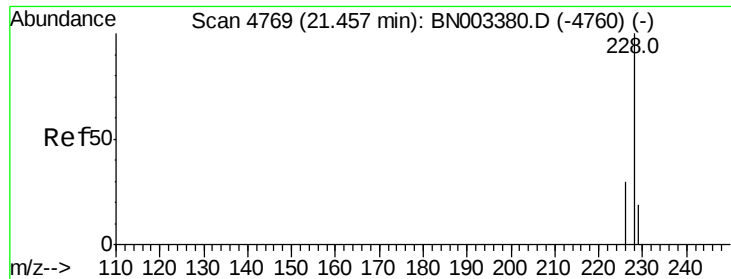
Delta R.T. -0.01 min

Lab File: BN003385.D

Acq: 01 Nov 2018 18:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 6829  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 34.4  | 15.5  | 23.3# |
| 226       | 33.3  | 21.5  | 32.3# |





#19

Chrysene

Concen: 0.051 ng/ul

RT: 21.45 min Scan# 4765

Delta R.T. -0.01 min

Lab File: BN003385.D

Acq: 01 Nov 2018 18:59

Instrument :

BNA\_N

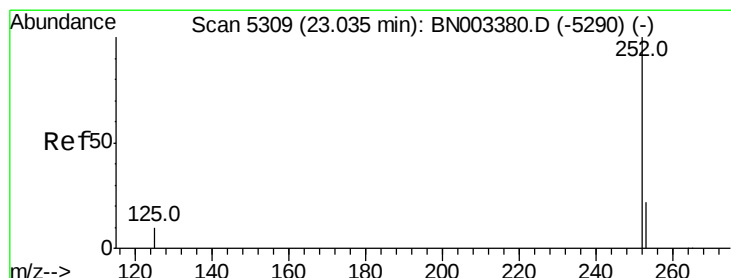
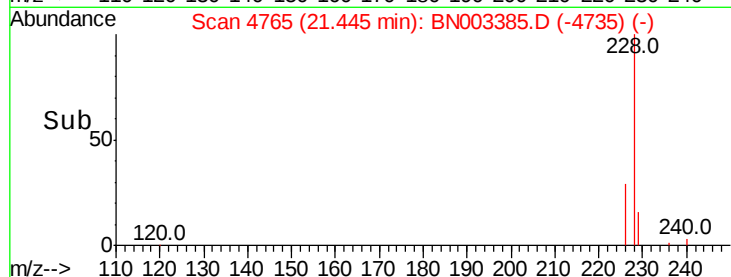
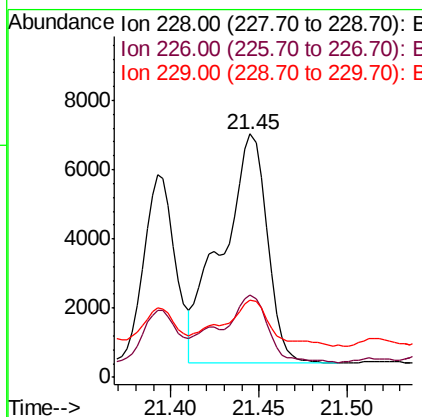
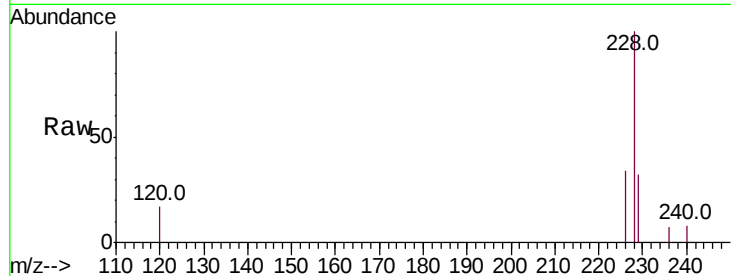
ClientSampled :

A40F1MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 11644 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 33.7  | 23.8  | 35.6  |
| 229       | 31.8  | 15.5  | 23.3# |

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#21

Benzo(b)fluoranthene

Concen: 0.060 ng/ul m

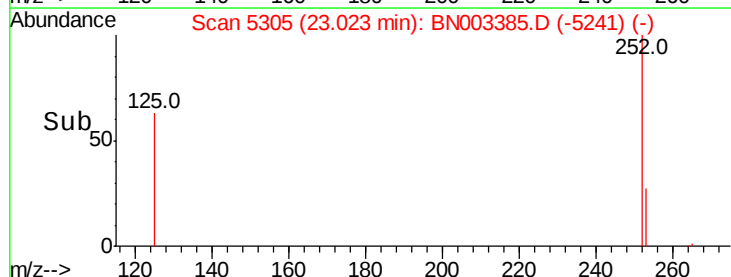
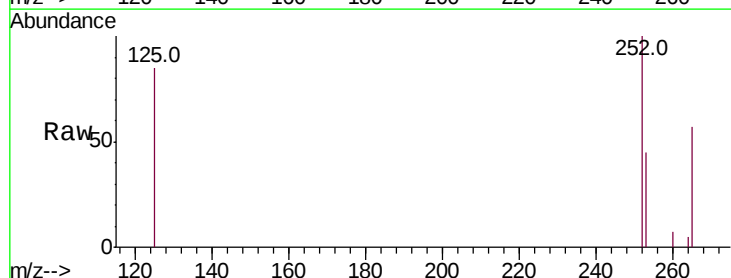
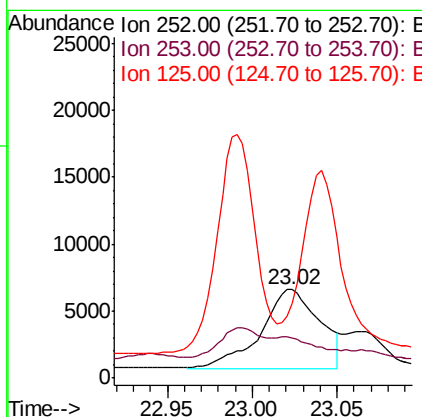
RT: 23.02 min Scan# 5305

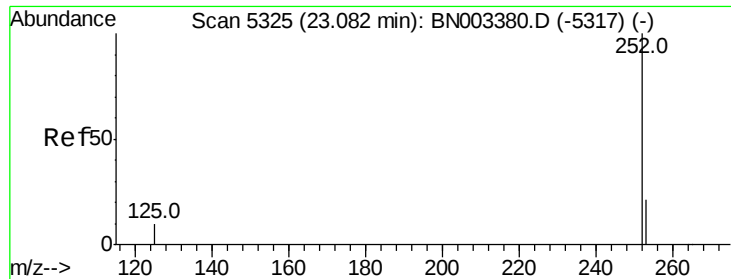
Delta R.T. -0.01 min

Lab File: BN003385.D

Acq: 01 Nov 2018 18:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 14052 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 44.9  | 0.0   | 45.6  |
| 125       | 84.6  | 0.0   | 21.8# |





#22

Benzo(k)fluoranthene

Concen: 0.020 ng/ul m

RT: 23.06 min Scan# 5319

Delta R.T. -0.02 min

Lab File: BN003385.D

Acq: 01 Nov 2018 18:59

Instrument :

BNA\_N

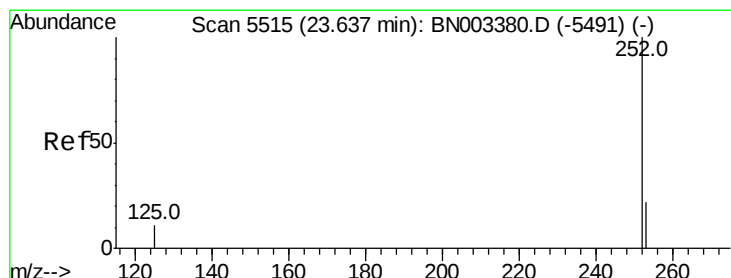
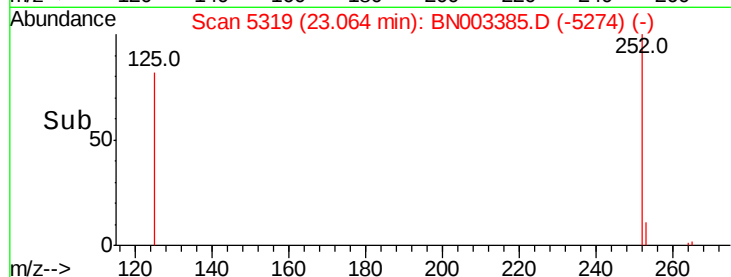
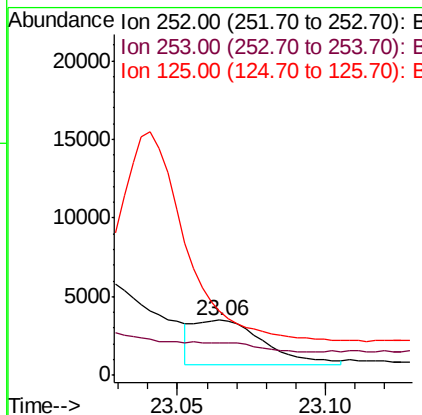
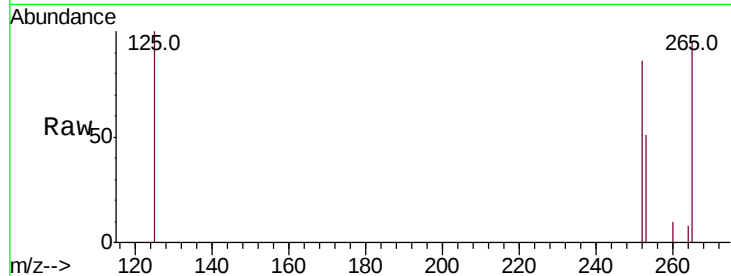
ClientSampleId :

A40F1MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 4634  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 59.9  | 18.2  | 27.4# |
| 125       | 116.4 | 8.6   | 13.0# |

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#23

Benzo(a)pyrene

Concen: 0.041 ng/ul

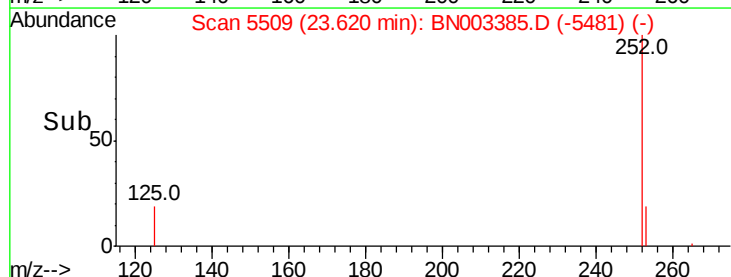
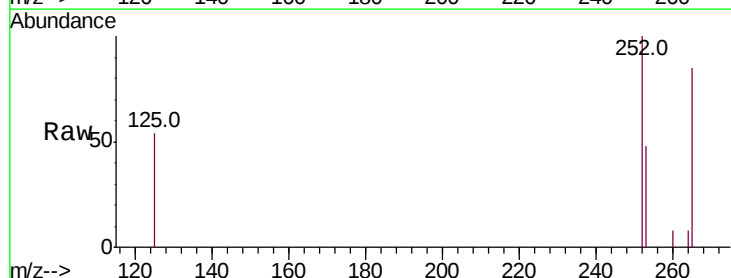
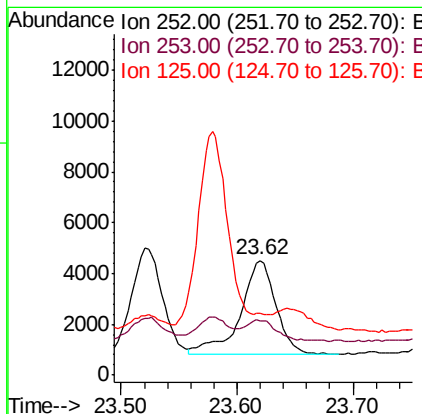
RT: 23.62 min Scan# 5509

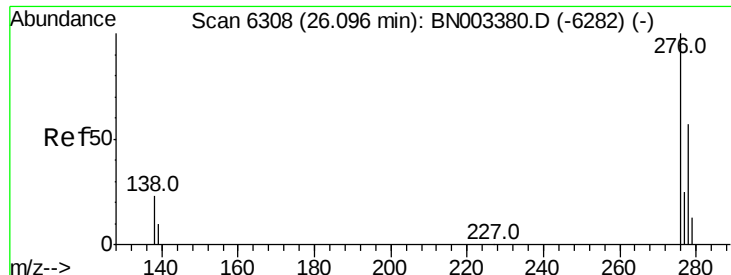
Delta R.T. -0.02 min

Lab File: BN003385.D

Acq: 01 Nov 2018 18:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 7967  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 47.8  | 18.5  | 27.7# |
| 125       | 53.6  | 9.9   | 14.9# |





#24

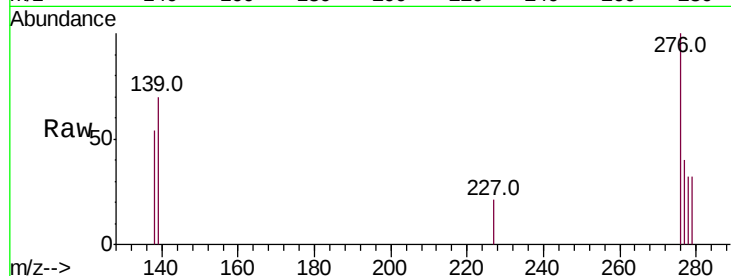
Indeno(1,2,3-cd)pyrene  
Concen: 0.024 ng/u1  
RT: 26.08 min Scan# 6302  
Delta R.T. -0.02 min  
Lab File: BN003385.D  
Acq: 01 Nov 2018 18:59

Instrument :  
BNA\_N  
ClientSampled :  
A40F1MS

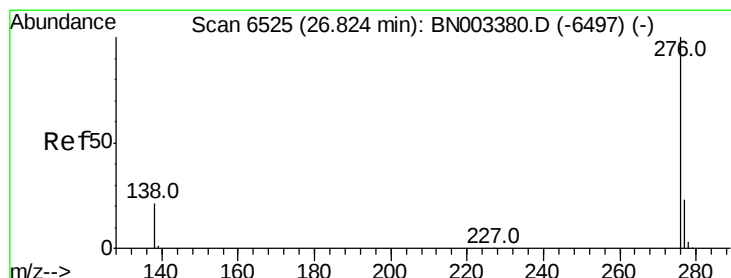
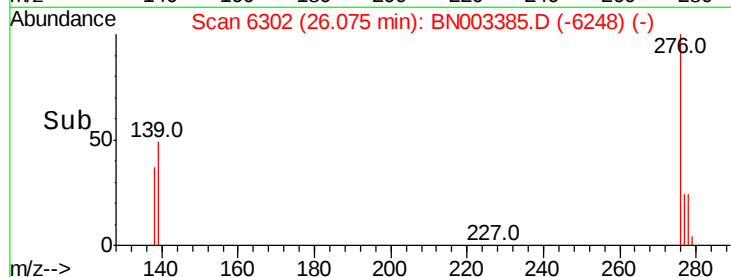
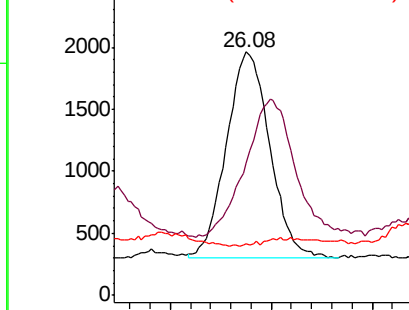
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.0   | 19.8  | 29.8# |
| 227     | 0.4   | 0.2   | 0.2#  |

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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



#26

Benzo(g,h,i)perylene  
Concen: 0.026 ng/u1  
RT: 26.80 min Scan# 6519  
Delta R.T. -0.02 min  
Lab File: BN003385.D  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 42.0  | 17.0  | 25.6# |
| 277     | 40.6  | 19.2  | 28.8# |

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

