

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050218\  
 Data File : BN001066.D  
 Acq On : 02 May 2018 12:34  
 Operator : JU/SJ  
 Sample : J2527-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DAS76

Manual Integrations  
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 5/3/2018 4:24:10 PM

Quant Time: May 03 07:56:18 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 03 07:35:09 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 113185   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.39 | 136  | 467689   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.26 | 164  | 224842   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.00 | 188  | 429038   | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.22 | 240  | 401032   | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 23.41 | 264  | 426277   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 13.95 | 160  | 468709   | 21.71  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.25 | 176  | 313410   | 21.74  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 17.10 | 188  | 436909   | 22.27  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 19.41 | 212  | 452022   | 22.00  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 23.27 | 264  | 482355   | 23.95  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 13) Phenanthrene            | 17.05 | 178  | 51572    | 2.204  | ng/ul  | 98       |
| 16) Fluoranthene            | 19.07 | 202  | 112925   | 4.757  | ng/ul# | 94       |
| 19) Pyrene                  | 19.44 | 202  | 94479    | 3.668  | ng/ul# | 91       |
| 20) Benzo(a)anthracene      | 21.20 | 228  | 53916m   | 2.249  | ng/ul  |          |
| 21) Chrysene                | 21.25 | 228  | 53972    | 2.395  | ng/ul  | 97       |
| 23) Benzo(b)fluoranthene    | 22.76 | 252  | 76742m   | 3.168  | ng/ul  |          |
| 24) Benzo(k)fluoranthene    | 22.80 | 252  | 23783m   | 1.003  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.32 | 252  | 48862    | 2.110  | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.59 | 276  | 35864    | 1.283  | ng/ul# | 89       |
| 29) Benzo(g,h,i)perylene    | 26.26 | 276  | 38587    | 1.650  | ng/ul# | 88       |

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

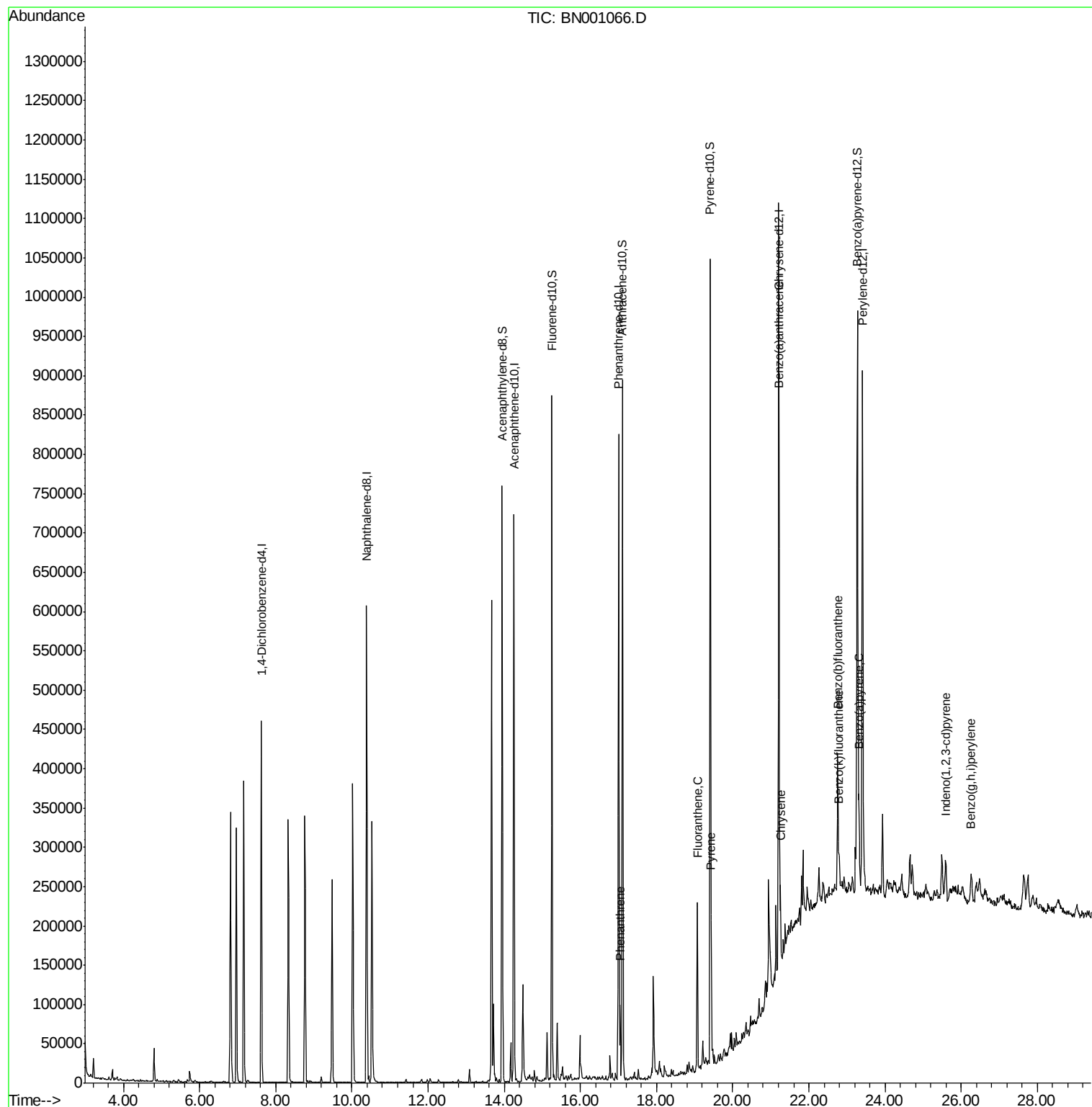
Data Path : Z:\HPCHEM1\BNA N\DATA\BN050218\  
Data File : BN001066.D  
Acq On : 02 May 2018 12:34  
Operator : JU/SJ  
Sample : J2527-07  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

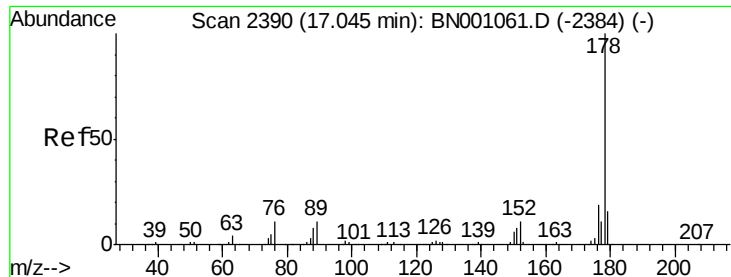
Instrument :  
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ClientSampleId :  
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Quant Time: May 03 07:56:18 2018  
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M  
Quant Title : SVOA CALIBRATION  
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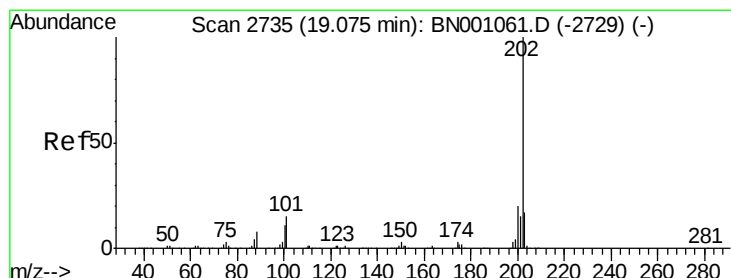
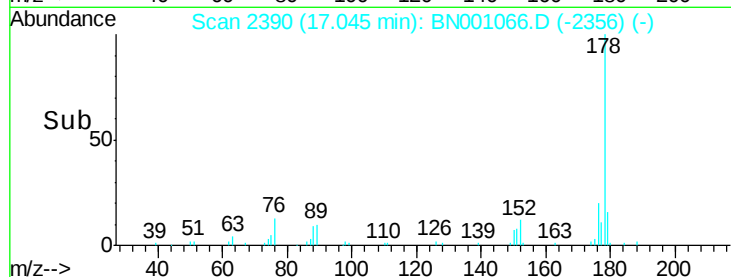
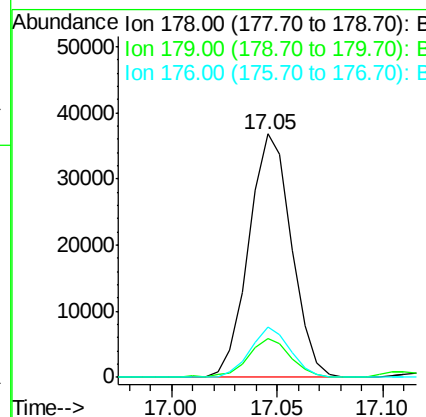
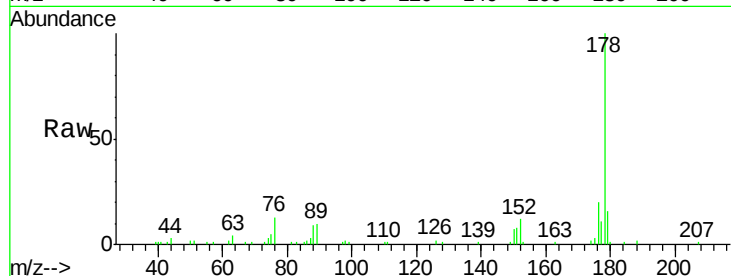
#13  
Phenanthrene  
Concen: 2.204 ng/ul  
RT: 17.05 min Scan# 2390  
Delta R.T. -0.00 min  
Lab File: BN001066.D  
Acq: 02 May 2018 12:34

Instrument :  
BNA\_N  
ClientSampled :  
DAS76

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.8  | 12.3  | 18.5  |
| 176     | 20.5  | 15.1  | 22.7  |

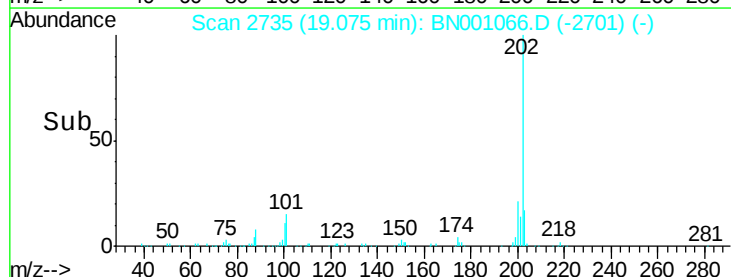
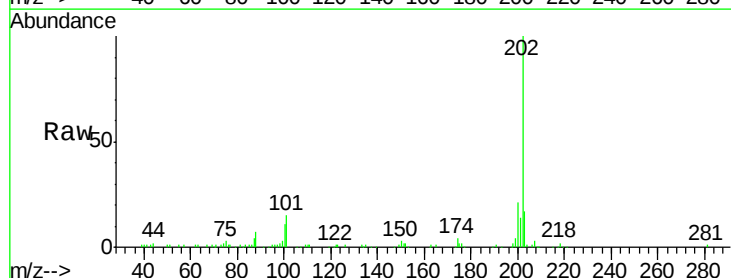
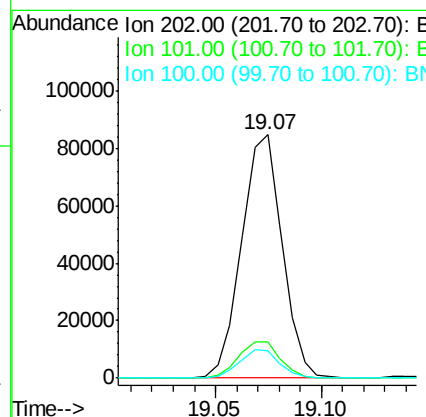
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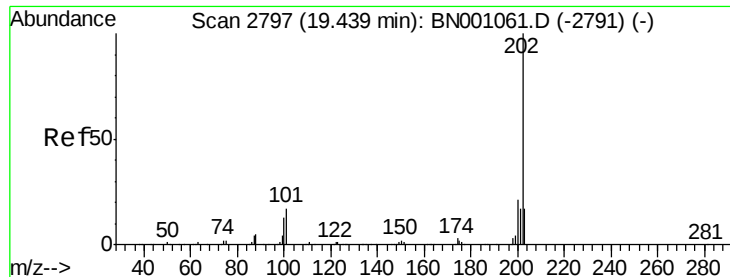
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#16  
Fluoranthene  
Concen: 4.757 ng/ul  
RT: 19.07 min Scan# 2735  
Delta R.T. -0.00 min  
Lab File: BN001066.D  
Acq: 02 May 2018 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 15.0  | 9.9   | 14.9# |
| 100     | 11.2  | 7.4   | 11.0# |





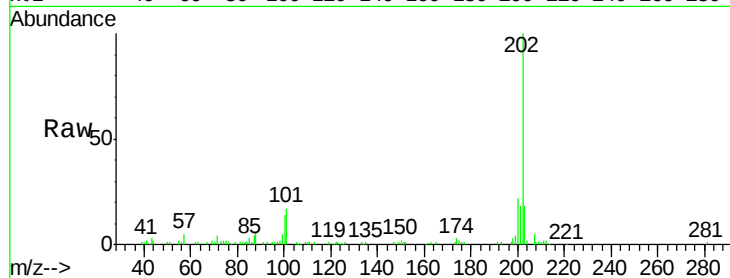
#19  
Pvrene  
Concen: 3.668 ng/ul  
RT: 19.44 min Scan# 2797  
Delta R.T. -0.00 min  
Lab File: BN001066.D  
Acq: 02 May 2018 12:34

Instrument :  
BNA\_N  
ClientSampleId :  
DAS76

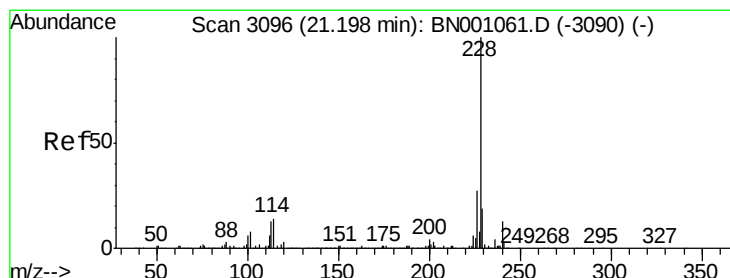
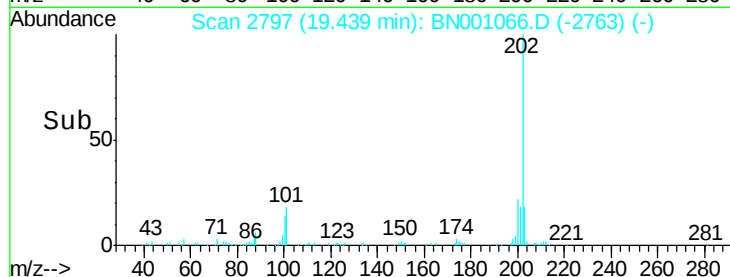
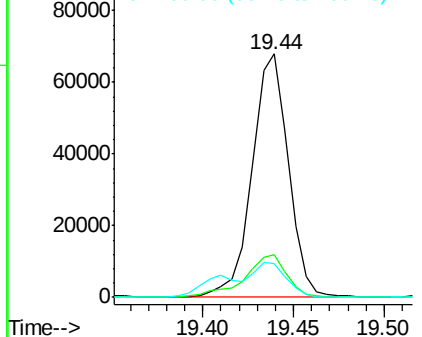
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 94479 |       |       |
| 101     | 17.4  |       | 11.0  | 16.4# |
| 100     | 13.7  |       | 8.1   | 12.1# |

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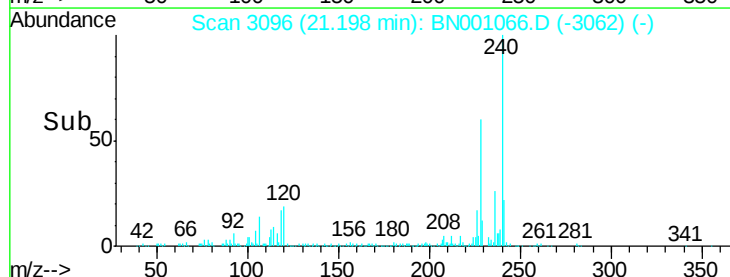
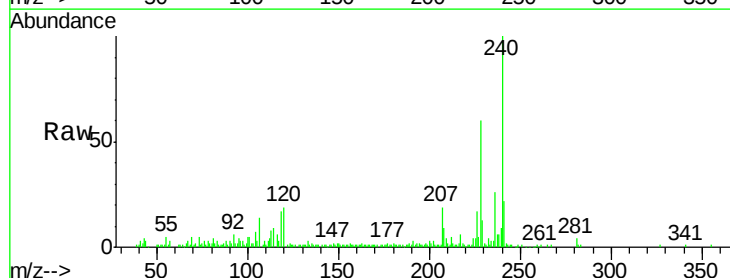
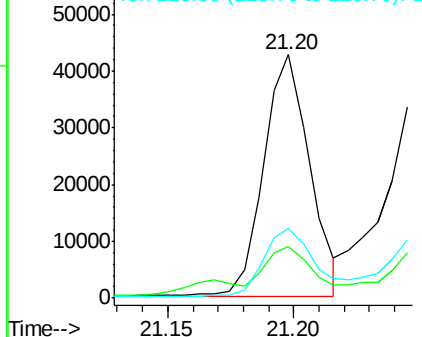
Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): E

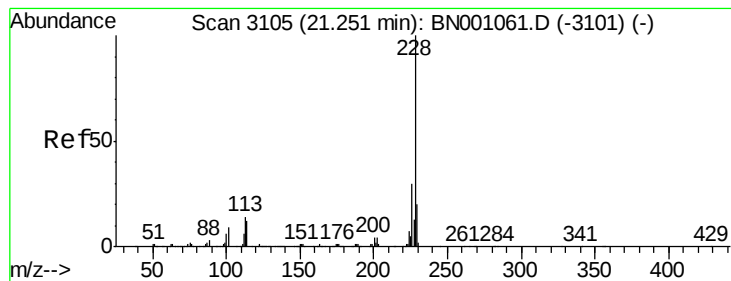


#20  
Benzo(a)anthracene  
Concen: 2.249 ng/ul m  
RT: 21.20 min Scan# 3096  
Delta R.T. -0.00 min  
Lab File: BN001066.D  
Acq: 02 May 2018 12:34

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 228     | 100   | 53916 |       |       |
| 229     | 21.4  |       | 15.7  | 23.5  |
| 226     | 28.7  |       | 21.1  | 31.7  |

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





#21

Chrysene

Concen: 2.395 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN001066.D

Acq: 02 May 2018 12:34

Instrument :

BNA\_N

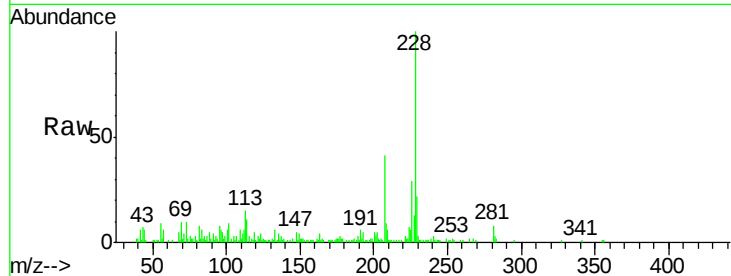
ClientSampled :

DAS76

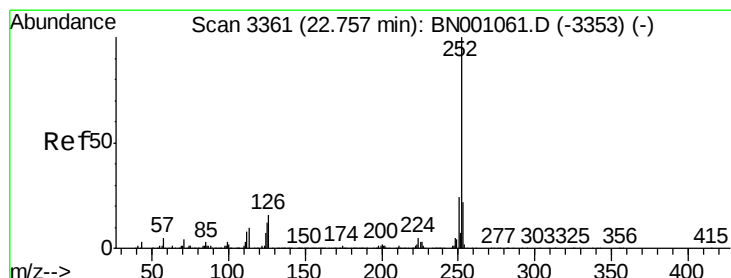
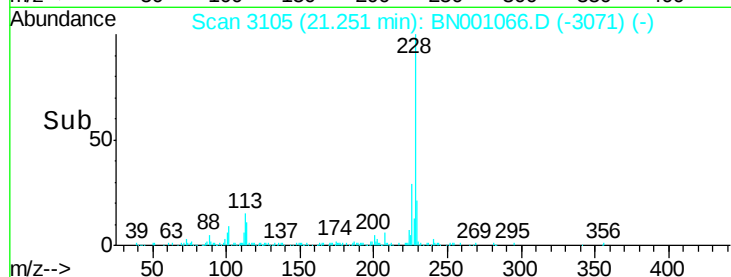
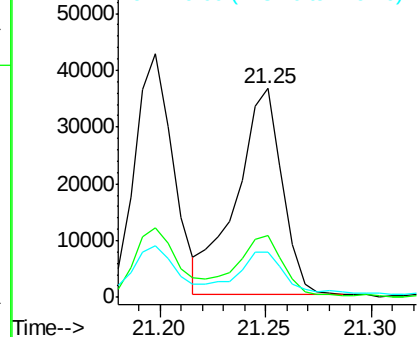
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 53972 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.3  | 24.5  | 36.7  |
| 229       | 21.7  | 15.8  | 23.8  |

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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#23

Benzo(b)fluoranthene

Concen: 3.168 ng/ul m

RT: 22.76 min Scan# 3361

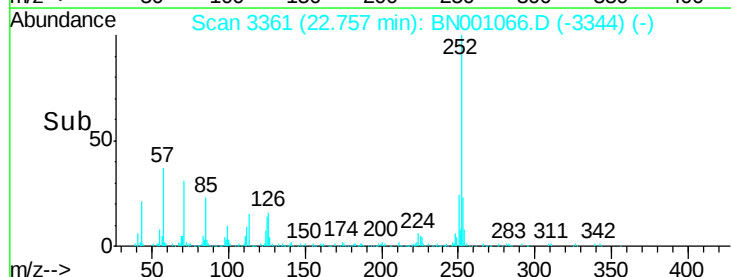
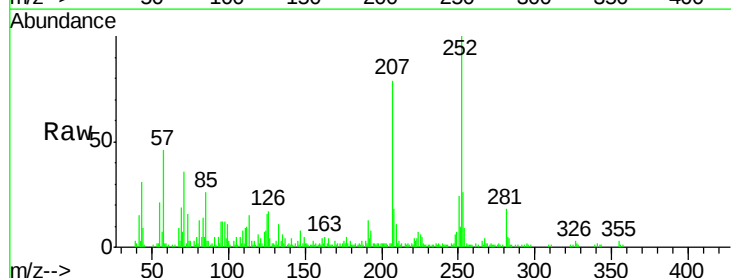
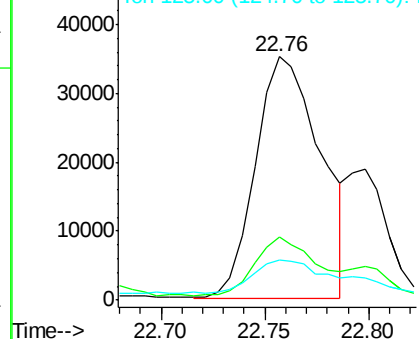
Delta R.T. -0.00 min

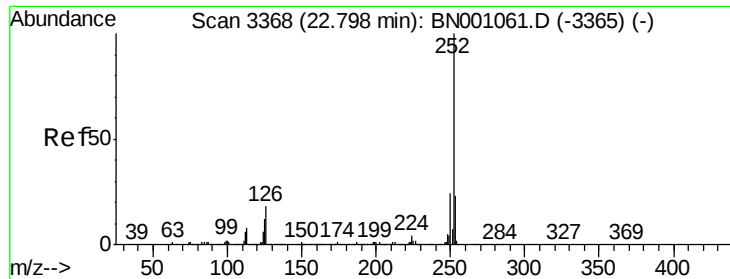
Lab File: BN001066.D

Acq: 02 May 2018 12:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 76742 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.9  | 18.0  | 27.0  |
| 125       | 16.4  | 8.0   | 12.0# |

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 1.003 ng/ul m

RT: 22.80 min Scan# 3368

Delta R.T. -0.00 min

Lab File: BN001066.D

Acq: 02 May 2018 12:34

Instrument :

BNA\_N

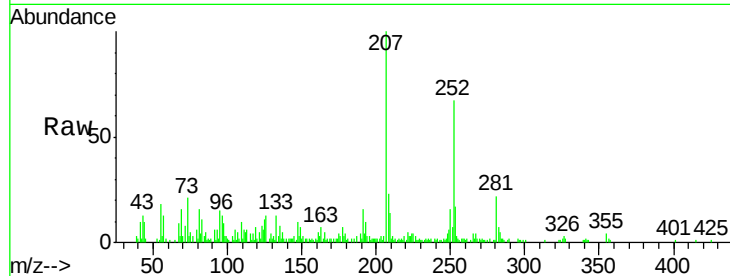
ClientSampleId :

DAS76

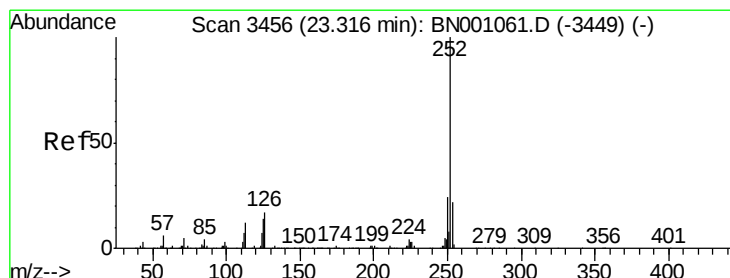
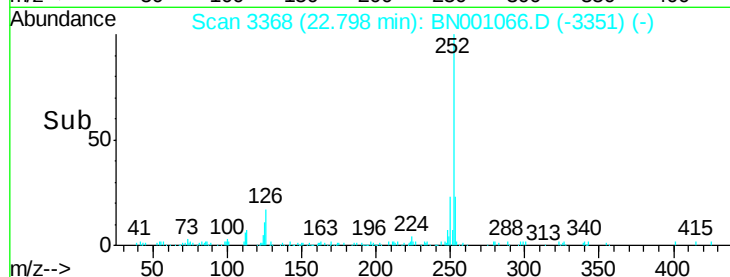
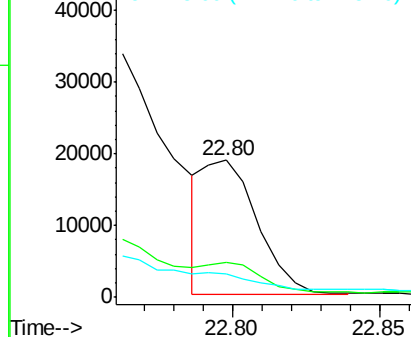
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 23783 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.8  | 18.0  | 27.0  |
| 125       | 16.7  | 8.1   | 12.1# |

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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#26

Benzo(a)pyrene

Concen: 2.110 ng/ul

RT: 23.32 min Scan# 3456

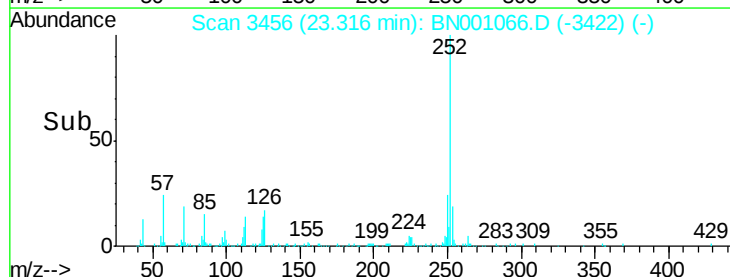
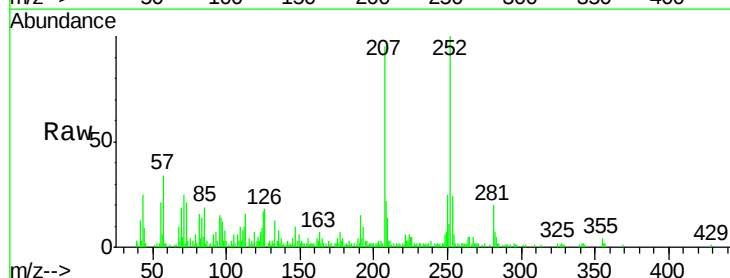
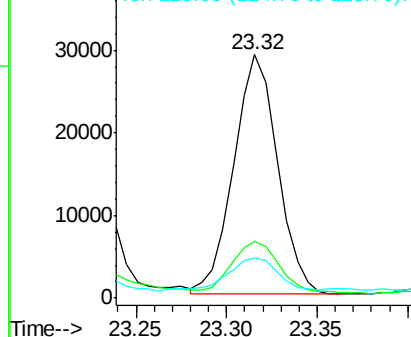
Delta R.T. -0.00 min

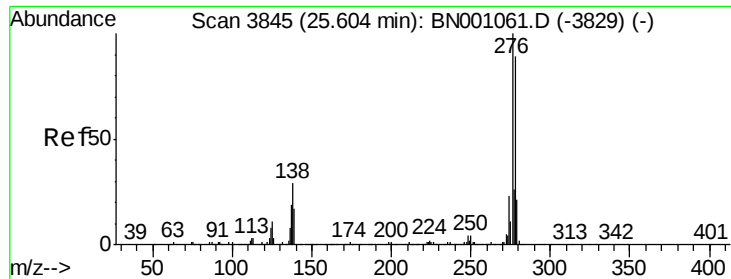
Lab File: BN001066.D

Acq: 02 May 2018 12:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 48862 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.5  | 17.2  | 25.8  |
| 125       | 16.7  | 8.2   | 12.4# |

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





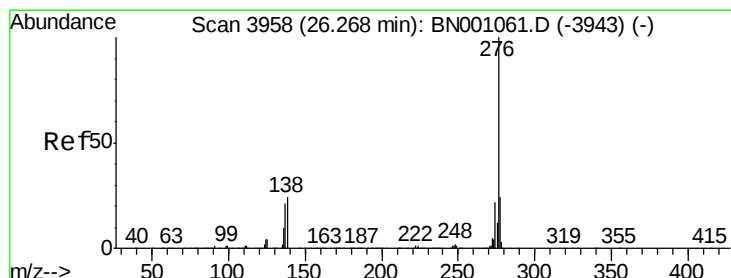
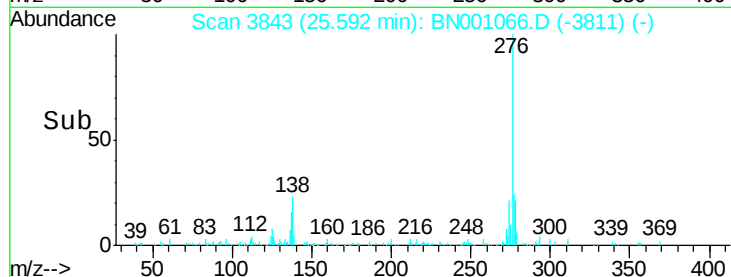
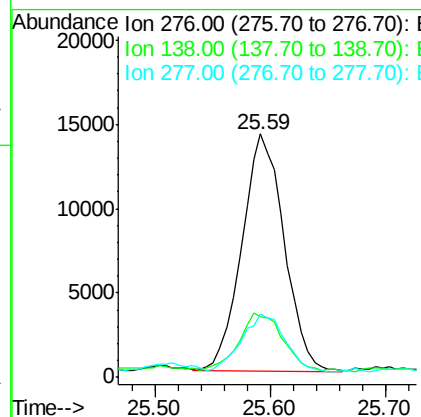
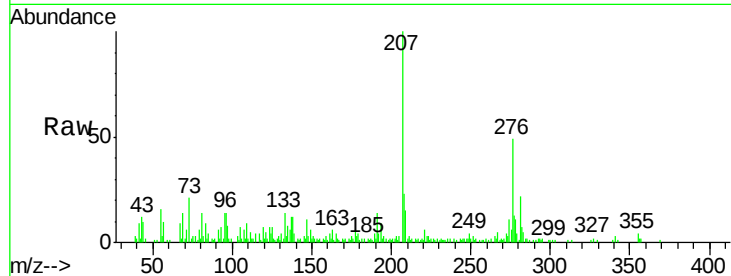
#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.283 ng/ul  
 RT: 25.59 min Scan# 3843  
 Delta R.T. -0.01 min  
 Lab File: BN001066.D  
 Acq: 02 May 2018 12:34

Instrument :  
 BNA\_N  
 ClientSampled :  
 DAS76

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.6  | 14.4  | 21.6# |
| 277     | 25.8  | 18.0  | 27.0  |

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#29  
 Benzo(g,h,i)perylene  
 Concen: 1.650 ng/ul  
 RT: 26.26 min Scan# 3957  
 Delta R.T. -0.01 min  
 Lab File: BN001066.D  
 Acq: 02 May 2018 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.7  | 15.3  | 22.9# |
| 277     | 28.6  | 19.0  | 28.4# |

