

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050118\  
 Data File : BN001030.D  
 Acq On : 01 May 2018 15:01  
 Operator : JU/SJ  
 Sample : J2602-15  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DAT77

Manual Integrations  
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 5/2/2018 11:09:40 AM

Quant Time: May 02 07:35:38 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 02 07:19:06 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 101892   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.39 | 136  | 430870   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.25 | 164  | 215285   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.00 | 188  | 438256   | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.21 | 240  | 419039   | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 23.40 | 264  | 448386   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 13.94 | 160  | 496163   | 24.00  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.25 | 176  | 341997   | 24.78  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 17.10 | 188  | 498824   | 24.89  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 19.40 | 212  | 518288   | 24.14  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 23.27 | 264  | 569723   | 26.90  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 13) Phenanthrene            | 17.05 | 178  | 80038    | 3.348  | ng/ul  | 99       |
| 15) Anthracene              | 17.13 | 178  | 24718    | 1.031  | ng/ul  | 97       |
| 16) Fluoranthene            | 19.07 | 202  | 176347   | 7.272  | ng/ul# | 94       |
| 19) Pyrene                  | 19.43 | 202  | 172108   | 6.394  | ng/ul# | 88       |
| 20) Benzo(a)anthracene      | 21.19 | 228  | 105152m  | 4.198  | ng/ul  |          |
| 21) Chrysene                | 21.24 | 228  | 113530m  | 4.822  | ng/ul  |          |
| 23) Benzo(b)fluoranthene    | 22.75 | 252  | 222699m  | 8.739  | ng/ul  |          |
| 24) Benzo(k)fluoranthene    | 22.79 | 252  | 69806m   | 2.800  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.31 | 252  | 113869   | 4.676  | ng/ul# | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.59 | 276  | 86459    | 2.939  | ng/ul# | 91       |
| 29) Benzo(g,h,i)perylene    | 26.26 | 276  | 64921    | 2.639  | ng/ul# | 92       |

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

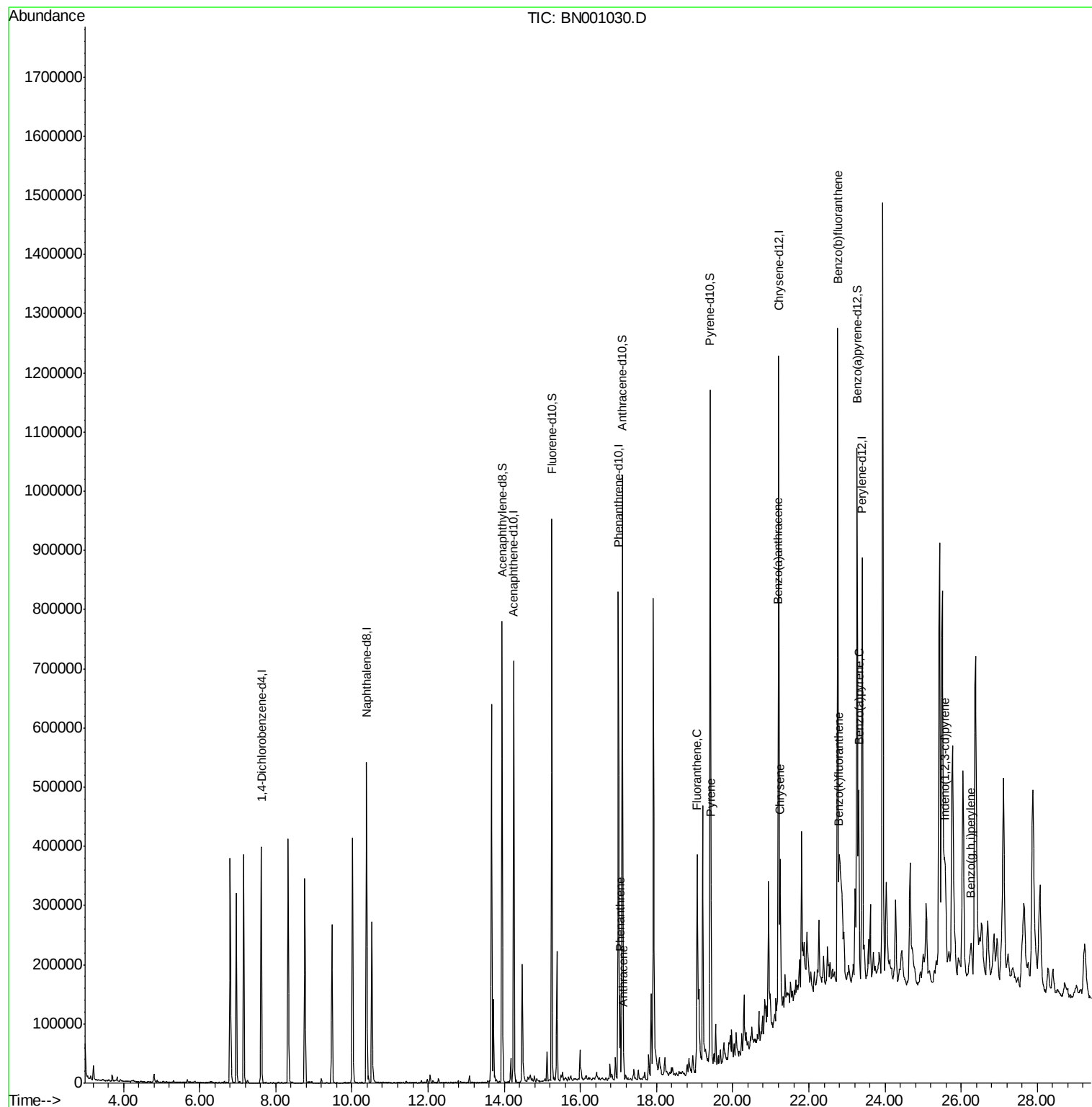
Data Path : Z:\HPCHEM1\BNA N\DATA\BN050118\  
Data File : BN001030.D  
Acq On : 01 May 2018 15:01  
Operator : JU/SJ  
Sample : J2602-15  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

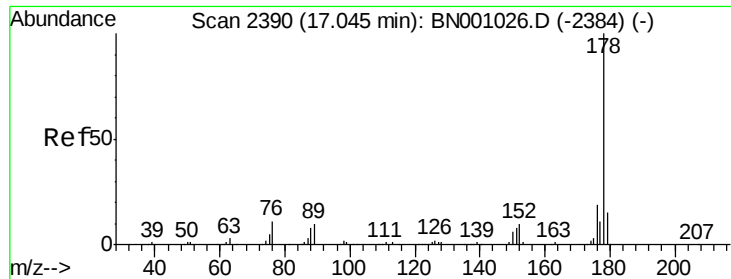
Instrument :  
BNA\_N  
ClientSampled :  
DAT77

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Quant Time: May 02 07:35:38 2018  
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 02 07:19:06 2018  
Response via : Initial Calibration





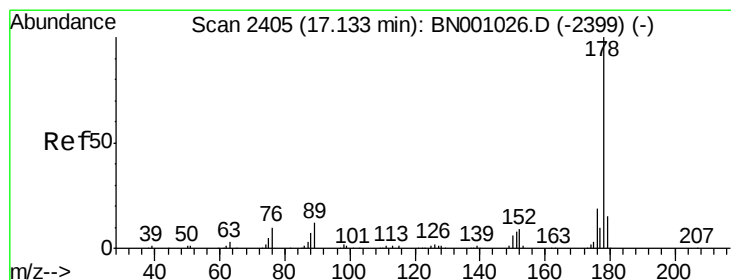
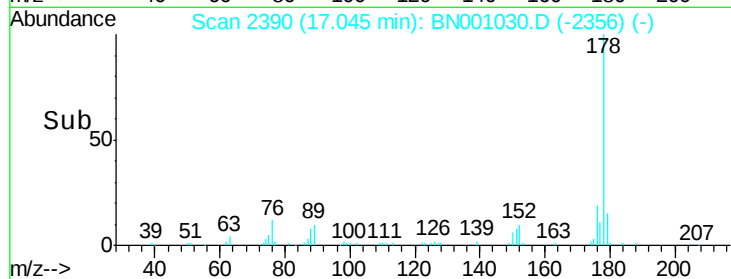
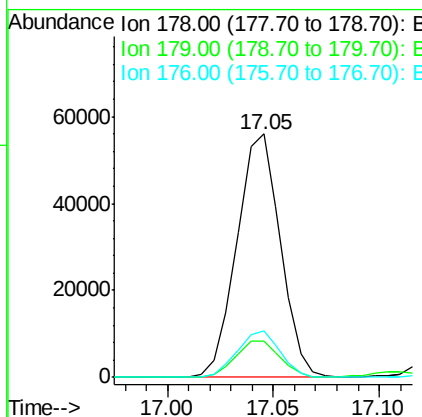
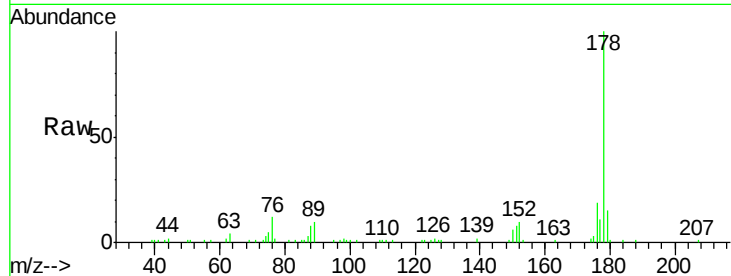
#13  
Phenanthrene  
Concen: 3.348 ng/ul  
RT: 17.05 min Scan# 2390  
Delta R.T. -0.00 min  
Lab File: BN001030.D  
Acq: 01 May 2018 15:01

Instrument :  
BNA\_N  
ClientSampled :  
DAT77

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.1  | 12.3  | 18.5  |
| 176     | 19.1  | 15.1  | 22.7  |

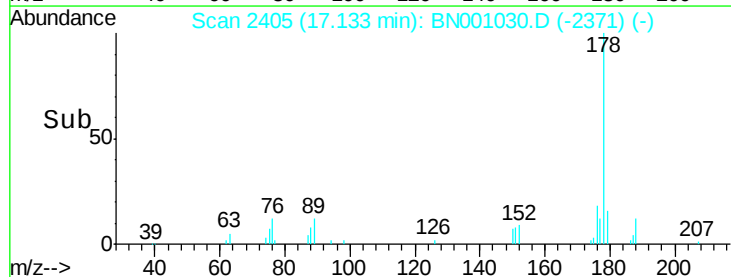
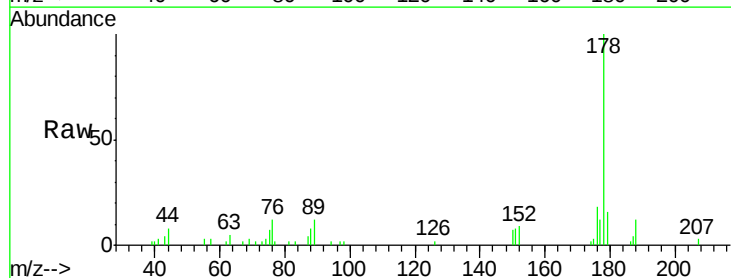
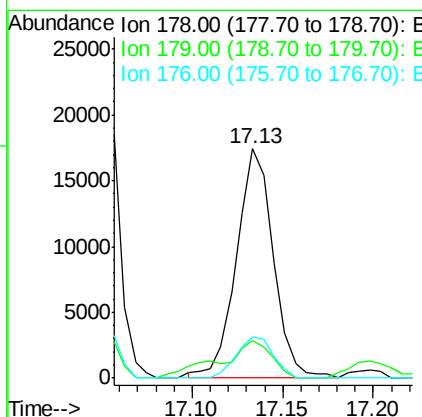
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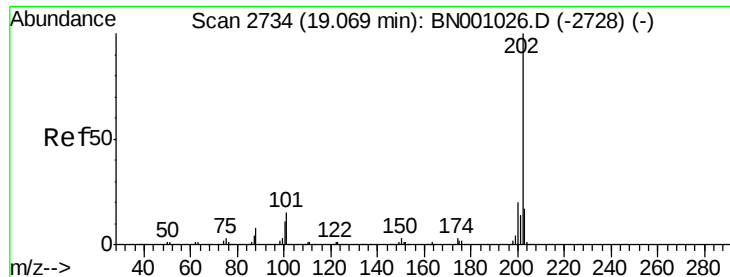
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#15  
Anthracene  
Concen: 1.031 ng/ul  
RT: 17.13 min Scan# 2405  
Delta R.T. -0.00 min  
Lab File: BN001030.D  
Acq: 01 May 2018 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.5  | 11.8  | 17.8  |
| 176     | 18.2  | 15.2  | 22.8  |





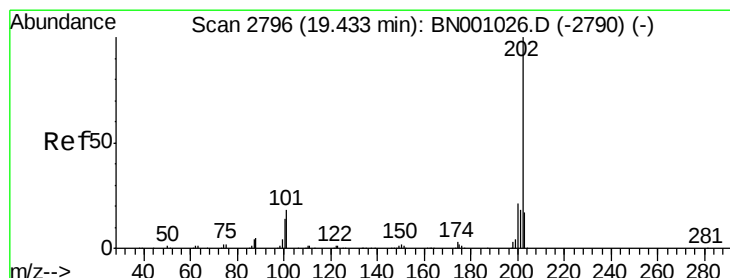
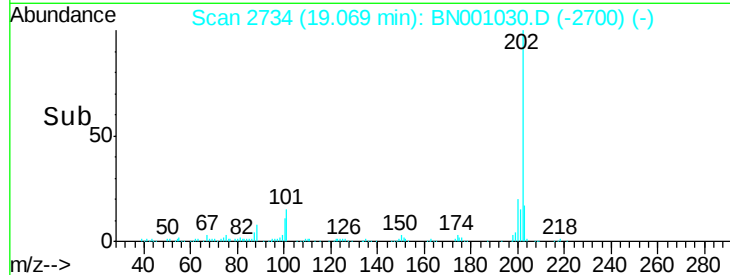
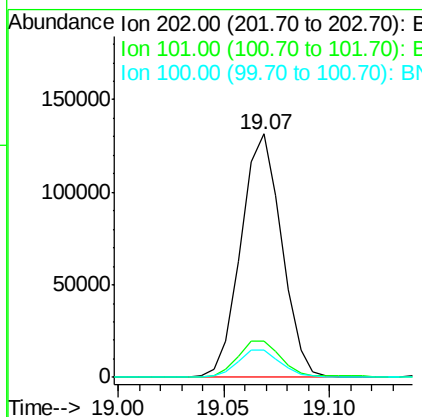
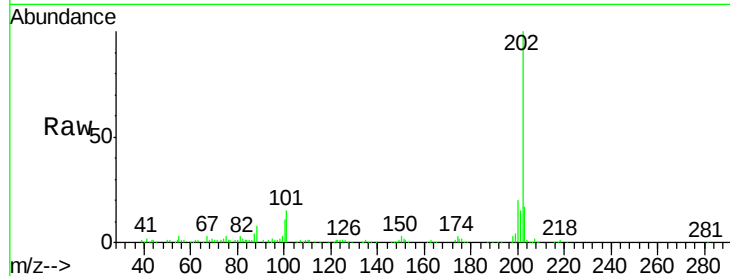
#16  
**Fluoranthene**  
 Concen: 7.272 ng/ul  
 RT: 19.07 min Scan# 2734  
 Delta R.T. -0.00 min  
 Lab File: BN001030.D  
 Acq: 01 May 2018 15:01

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DAT77

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 14.9  | 9.9        | 14.9       |
| 100     | 11.2  | 7.4        | 11.0       |

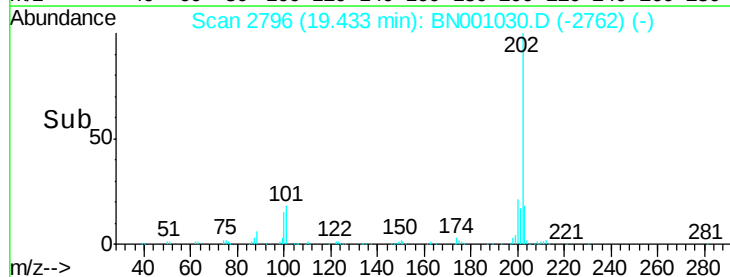
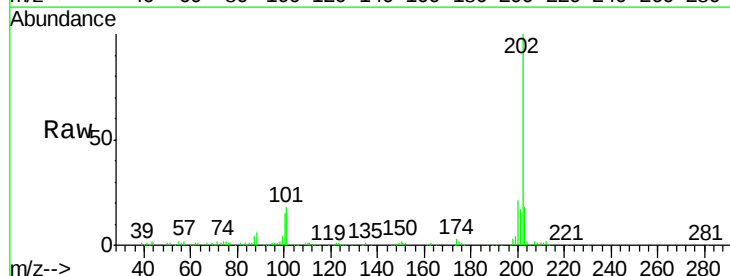
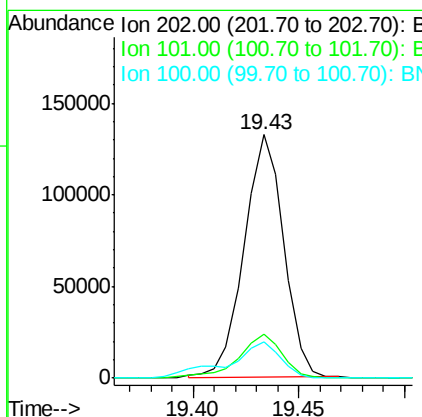
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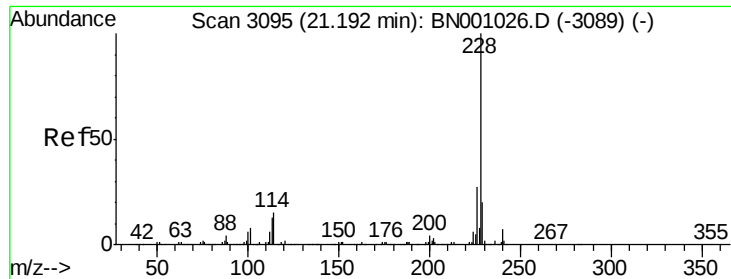
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#19  
**Pyrene**  
 Concen: 6.394 ng/ul  
 RT: 19.43 min Scan# 2796  
 Delta R.T. -0.00 min  
 Lab File: BN001030.D  
 Acq: 01 May 2018 15:01

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 18.2  | 11.0       | 16.4       |
| 100     | 15.0  | 8.1        | 12.1       |





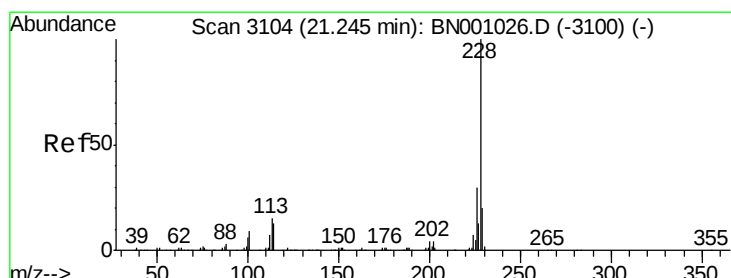
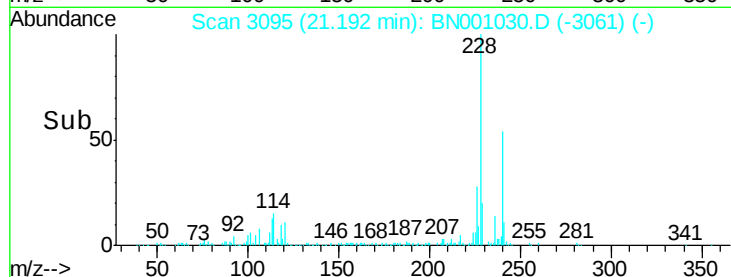
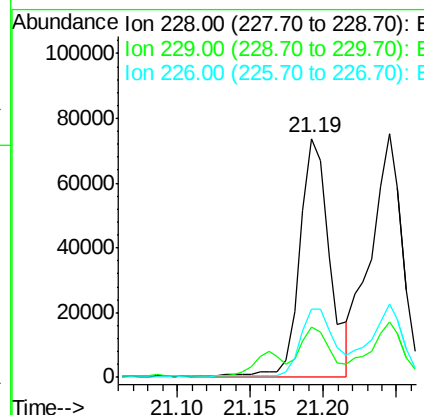
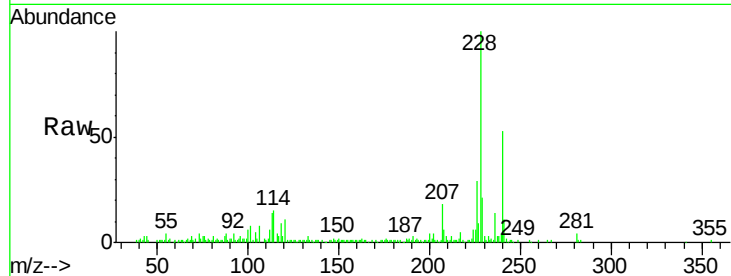
#20  
Benzo(a)anthracene  
Concen: 4.198 ng/ul m  
RT: 21.19 min Scan# 3095  
Delta R.T. -0.00 min  
Lab File: BN001030.D  
Acq: 01 May 2018 15:01

Instrument :  
BNA\_N  
ClientSampleId :  
DAT77

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.9  | 15.7  | 23.5  |
| 226     | 28.7  | 21.1  | 31.7  |

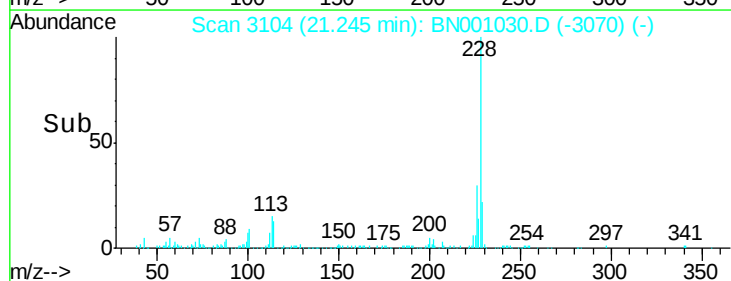
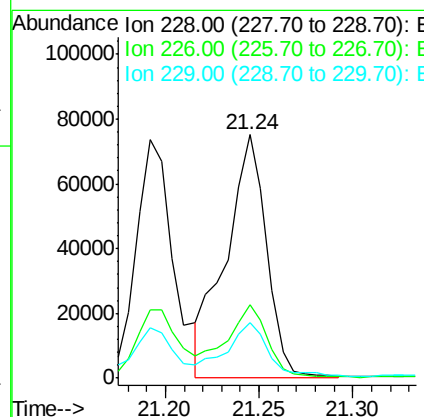
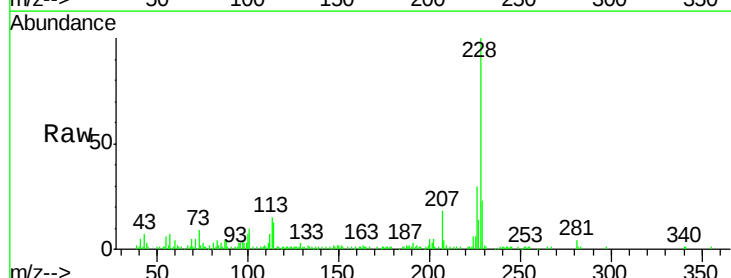
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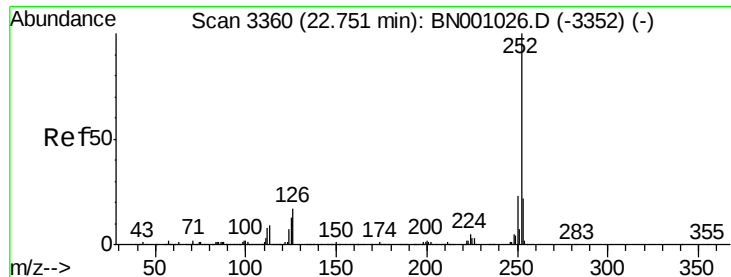
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#21  
Chrysene  
Concen: 4.822 ng/ul m  
RT: 21.24 min Scan# 3104  
Delta R.T. -0.00 min  
Lab File: BN001030.D  
Acq: 01 May 2018 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.0  | 24.5  | 36.7  |
| 229     | 22.5  | 15.8  | 23.8  |





#23

Benzo(b)fluoranthene

Concen: 8.739 ng/ul m

RT: 22.75 min Scan# 3360

Delta R.T. -0.00 min

Lab File: BN001030.D

Acq: 01 May 2018 15:01

Instrument :

BNA\_N

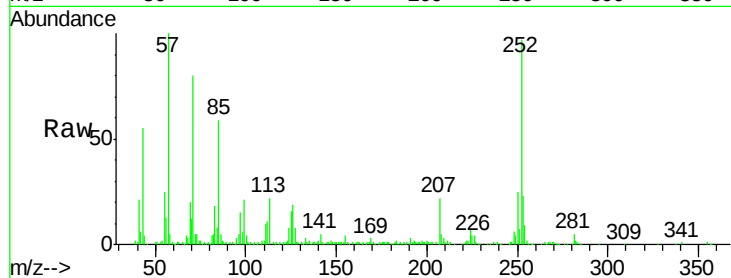
ClientSampled :

DAT77

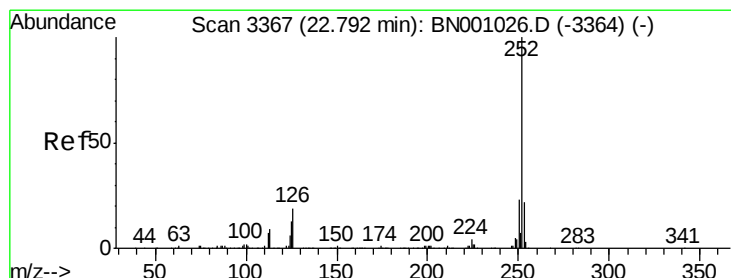
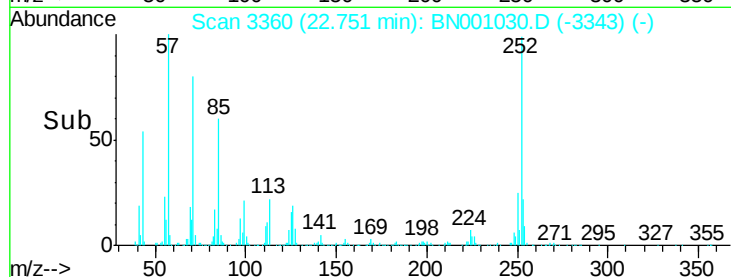
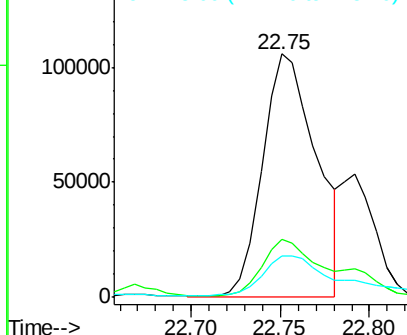
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 222699 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.7  | 18.0  | 27.0   |
| 125       | 16.9  | 8.0   | 12.0#  |

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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



#24

Benzo(k)fluoranthene

Concen: 2.800 ng/ul m

RT: 22.79 min Scan# 3367

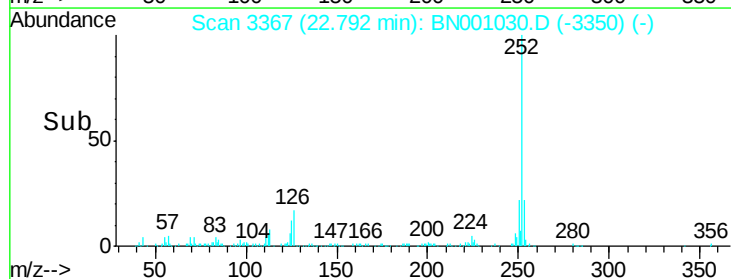
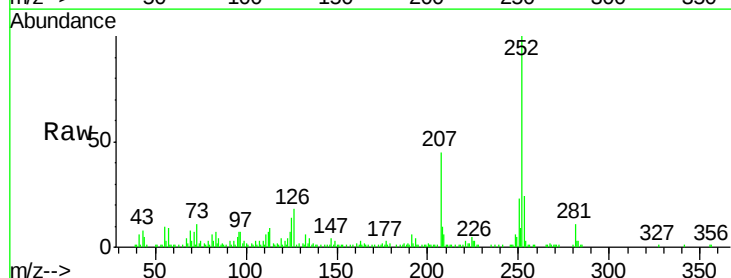
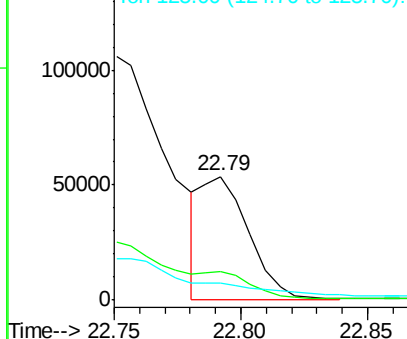
Delta R.T. -0.00 min

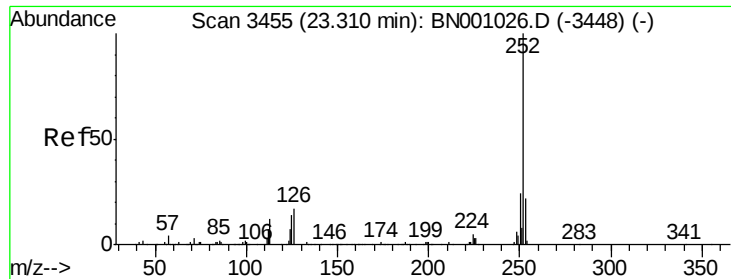
Lab File: BN001030.D

Acq: 01 May 2018 15:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 69806 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.5  | 18.0  | 27.0  |
| 125       | 13.5  | 8.1   | 12.1# |

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





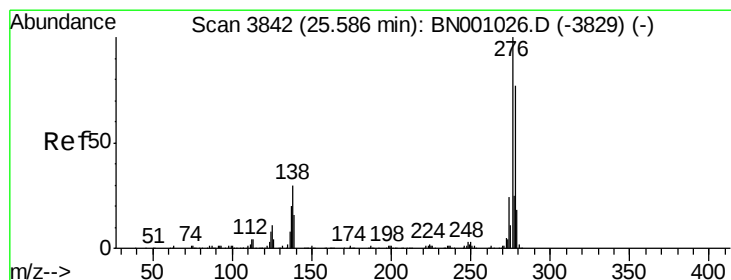
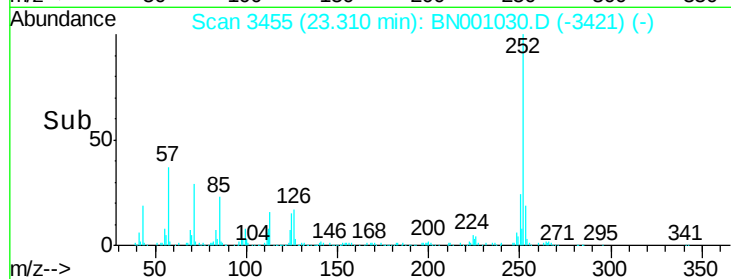
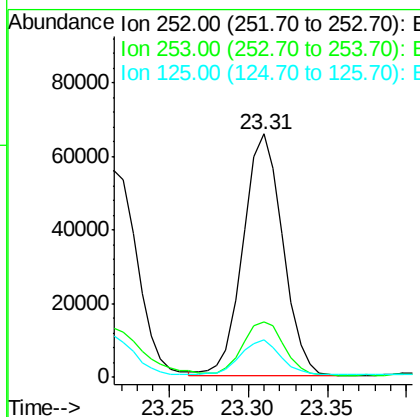
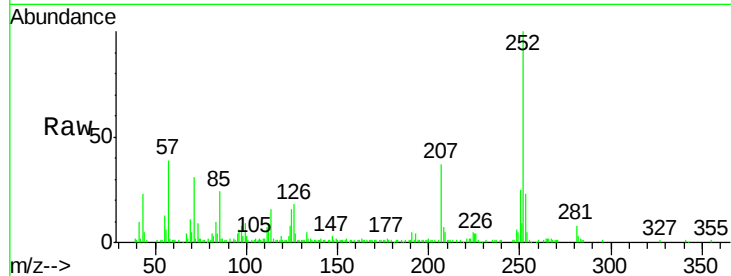
#26  
Benzo(a)pyrene  
Concen: 4.676 ng/ul  
RT: 23.31 min Scan# 3455  
Delta R.T. -0.00 min  
Lab File: BN001030.D  
Acq: 01 May 2018 15:01

Instrument :  
BNA\_N  
ClientSampleId :  
DAT77

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.2  | 25.8  |
| 125     | 15.5  | 8.2   | 12.4  |

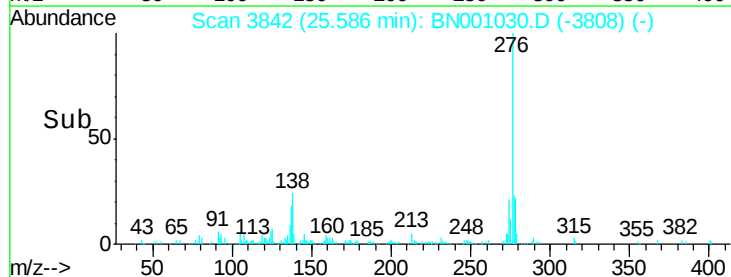
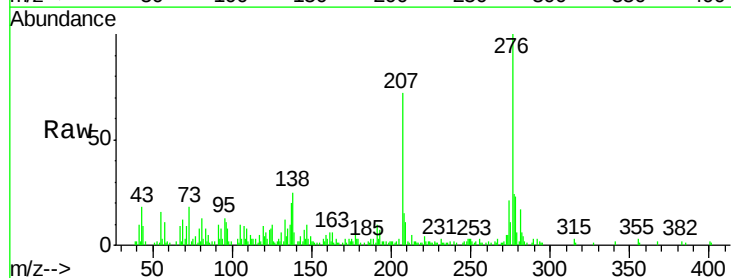
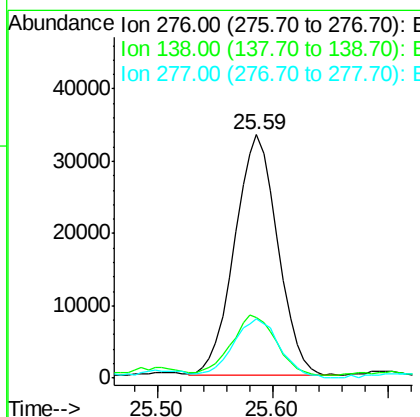
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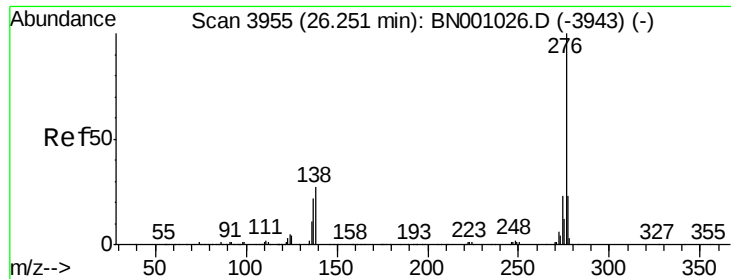
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#27  
Indeno(1,2,3-cd)pyrene  
Concen: 2.939 ng/ul  
RT: 25.59 min Scan# 3842  
Delta R.T. -0.00 min  
Lab File: BN001030.D  
Acq: 01 May 2018 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.0  | 14.4  | 21.6  |
| 277     | 24.2  | 18.0  | 27.0  |





#29

Benzo(a,h,i)perylene

Concen: 2.639 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. 0.01 min

Lab File: BN001030.D

Acq: 01 May 2018 15:01

Instrument :

BNA\_N

ClientSampleId :

DAT77

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 64921 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 26.9  | 15.3  | 22.9# |
| 277       | 24.3  | 19.0  | 28.4  |

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