

Data Path : Z:\HPCHEM1\BNA\_N\DATA\BN031418\  
 Data File : BN000398.D  
 Acq On : 15 Mar 2018 05:01  
 Operator : JU/SJ  
 Sample : J1865-08  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DAMC1

Manual Integrations  
 APPROVED

Sohil  
 3/15/2018 7:03:31 PM

Quant Time: Mar 15 08:09:05 2018  
 Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030918MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 15 07:55:46 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.45  | 152  | 185846   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.29 | 136  | 930990   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 15.06 | 164  | 549989   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.79 | 188  | 1251992  | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 21.90 | 240  | 1235249  | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.39 | 264  | 1140270  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                        |       |     |         |       |       |      |
|------------------------|-------|-----|---------|-------|-------|------|
| 7) Acenaphthylene-d8   | 14.76 | 160 | 2077756 | 38.06 | ng/ul | 0.00 |
| 10) Fluorene-d10       | 16.05 | 176 | 1367943 | 37.01 | ng/ul | 0.00 |
| 14) Anthracene-d10     | 17.89 | 188 | 2192514 | 37.48 | ng/ul | 0.00 |
| 18) Pyrene-d10         | 20.14 | 212 | 2421159 | 40.06 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.24 | 264 | 1950435 | 37.46 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |       |        | Qvalue |
|----------------------------|-------|-----|---------|-------|--------|--------|
| 13) Phenanthrene           | 17.83 | 178 | 130599  | 1.819 | ng/ul  | 99     |
| 16) Fluoranthene           | 19.80 | 202 | 338242  | 4.360 | ng/ul# | 92     |
| 19) Pyrene                 | 20.17 | 202 | 285082  | 3.655 | ng/ul# | 92     |
| 20) Benzo(a)anthracene     | 21.89 | 228 | 168697  | 2.197 | ng/ul  | 97     |
| 21) Chrysene               | 21.94 | 228 | 187196  | 2.569 | ng/ul  | 97     |
| 23) Benzo(b)fluoranthene   | 23.63 | 252 | 291668m | 4.290 | ng/ul  |        |
| 24) Benzo(k)fluoranthene   | 23.67 | 252 | 80236m  | 1.261 | ng/ul  |        |
| 26) Benzo(a)pyrene         | 24.29 | 252 | 172608  | 2.667 | ng/ul# | 91     |
| 27) Indeno(1,2,3-cd)pyrene | 26.96 | 276 | 136319  | 1.954 | ng/ul# | 85     |
| 29) Benzo(g,h,i)perylene   | 27.75 | 276 | 118179  | 2.028 | ng/ul# | 89     |

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

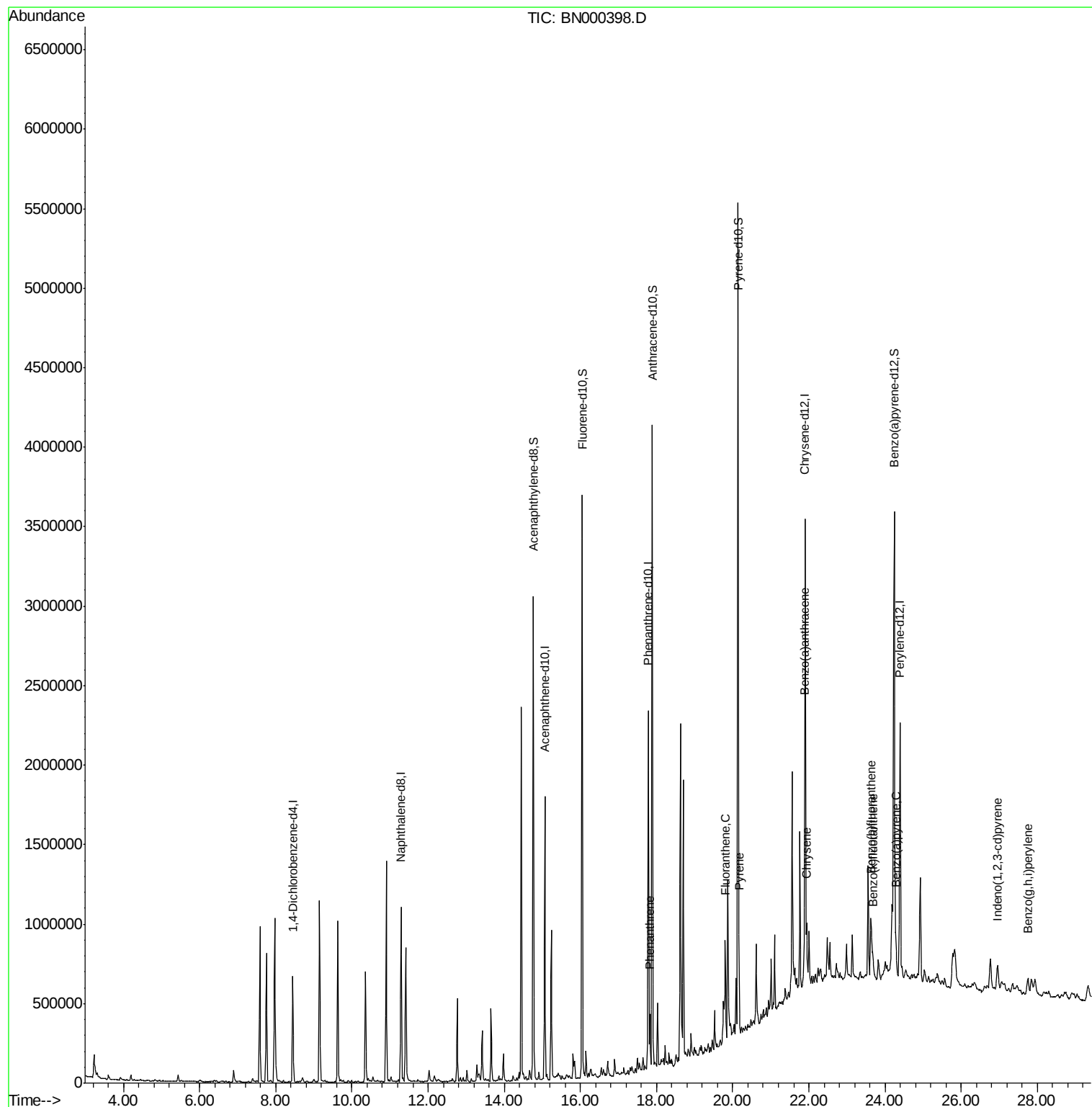
Data Path : Z:\HPCHEM1\BNA\_N\DATA\BN031418\  
Data File : BN000398.D  
Acq On : 15 Mar 2018 05:01  
Operator : JU/SJ  
Sample : J1865-08  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

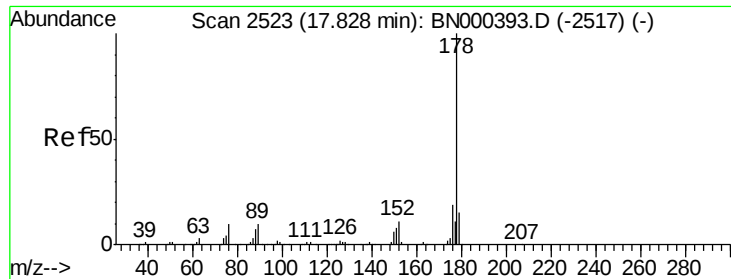
Instrument :  
BNA\_N  
ClientSampleId :  
DAMC1

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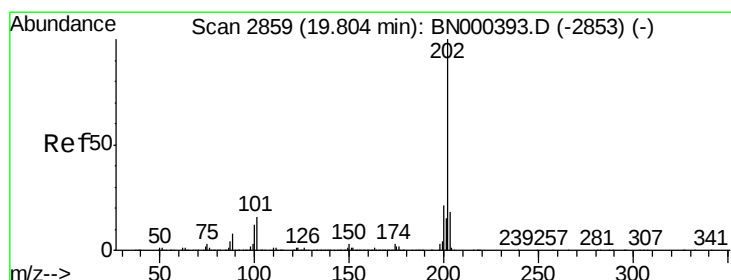
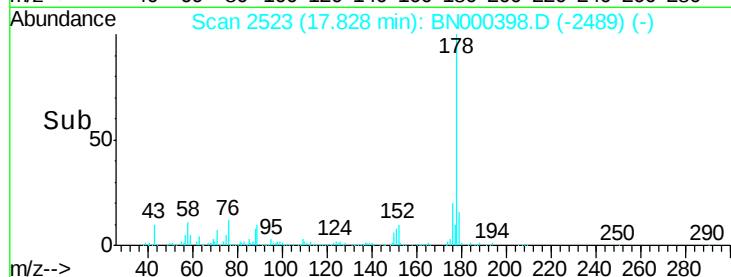
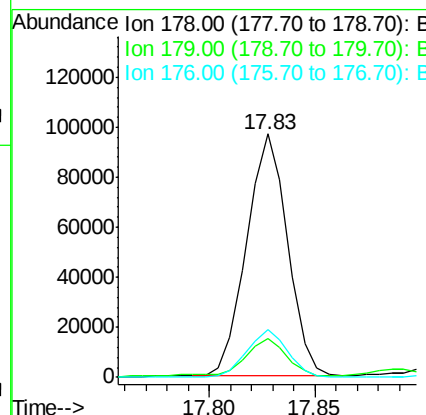
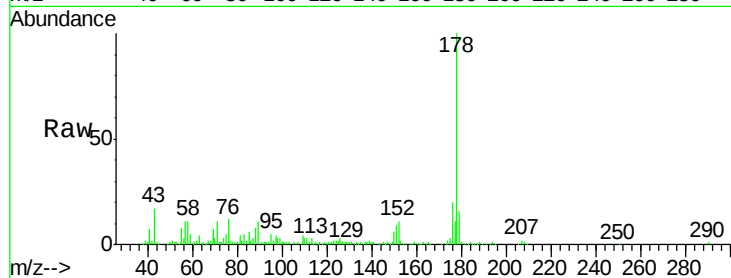
#13  
Phenanthrene  
Concen: 1.819 ng/ul  
RT: 17.83 min Scan# 2523  
Delta R.T. -0.00 min  
Lab File: BN000398.D  
Acq: 15 Mar 2018 05:01

Instrument :  
BNA\_N  
ClientSampleId :  
DAMC1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.9  | 12.3  | 18.5  |
| 176     | 19.5  | 15.1  | 22.7  |

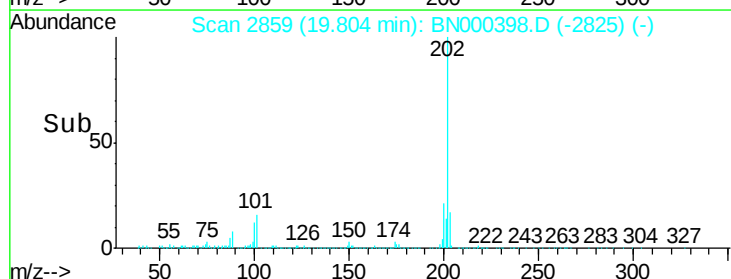
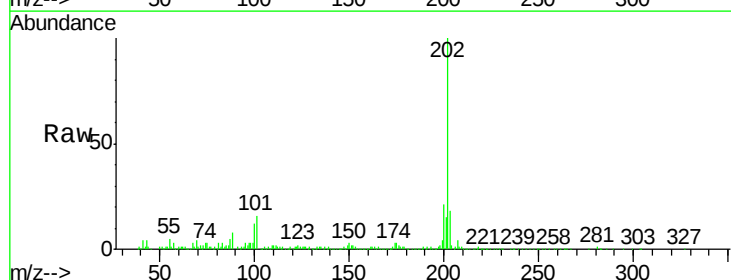
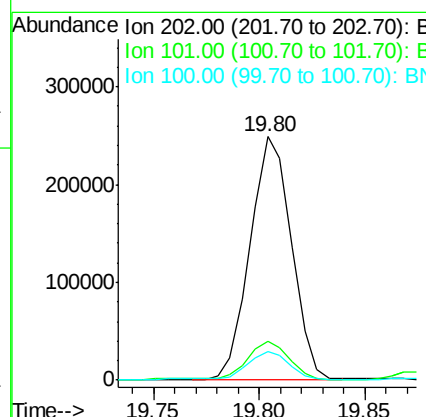
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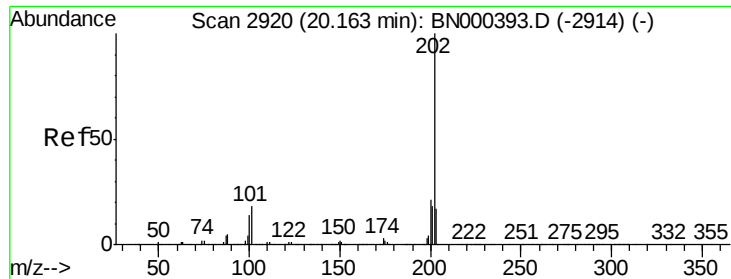
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#16  
Fluoranthene  
Concen: 4.360 ng/ul  
RT: 19.80 min Scan# 2859  
Delta R.T. -0.00 min  
Lab File: BN000398.D  
Acq: 15 Mar 2018 05:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 15.8  | 9.9   | 14.9# |
| 100     | 11.7  | 7.4   | 11.0# |





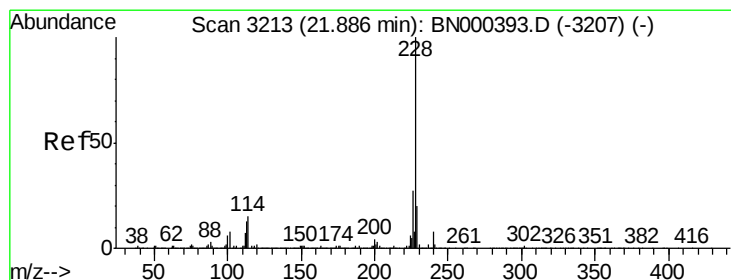
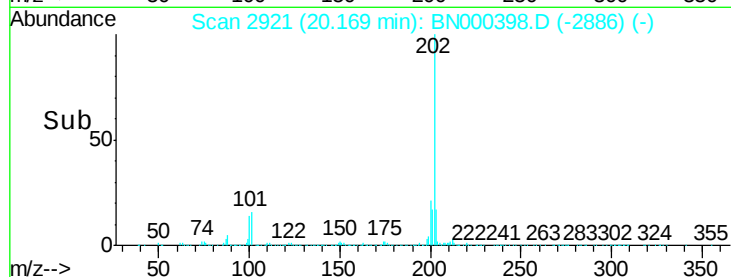
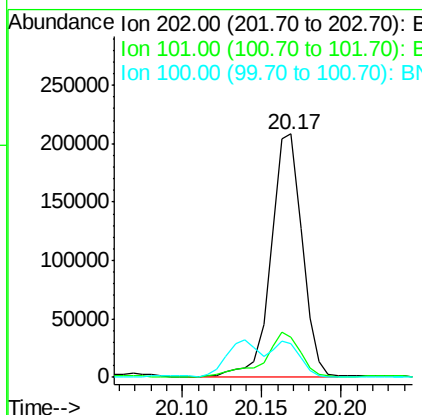
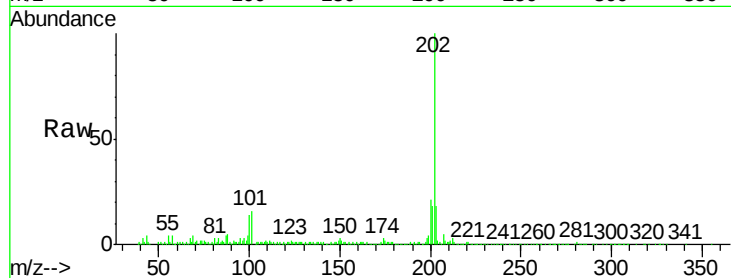
#19  
Pyrene  
Concen: 3.655 ng/ul  
RT: 20.17 min Scan# 2921  
Delta R.T. 0.01 min  
Lab File: BN000398.D  
Acq: 15 Mar 2018 05:01

Instrument :  
BNA\_N  
ClientSampleId :  
DAMC1

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 16.4  | 11.0       | 16.4       |
| 100     | 13.7  | 8.1        | 12.1       |

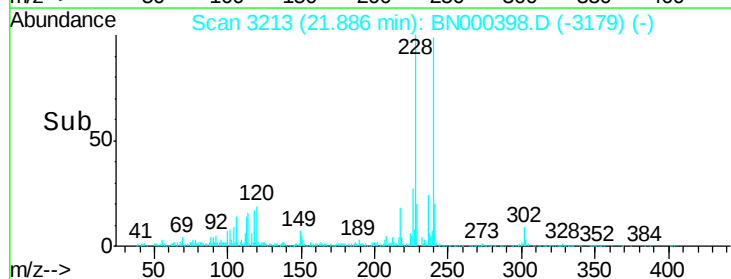
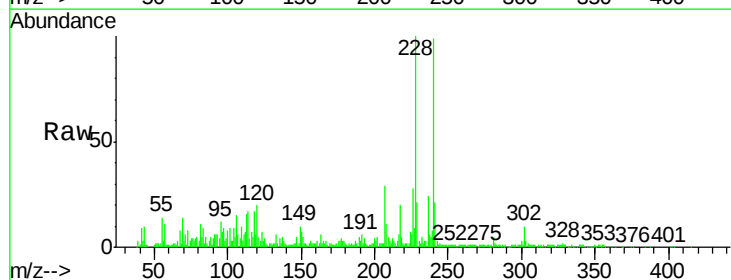
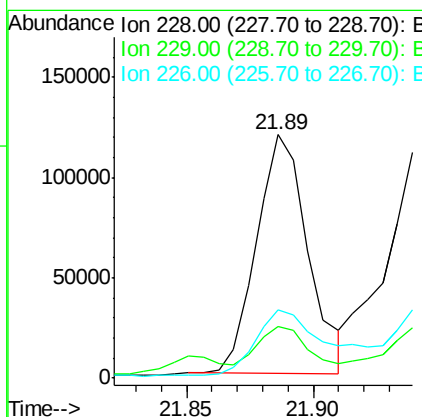
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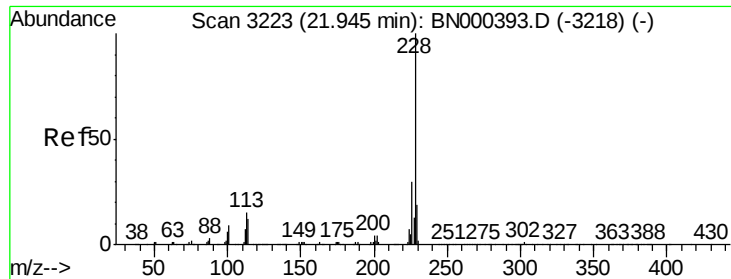
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#20  
Benzo(a)anthracene  
Concen: 2.197 ng/ul  
RT: 21.89 min Scan# 3213  
Delta R.T. -0.00 min  
Lab File: BN000398.D  
Acq: 15 Mar 2018 05:01

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 229     | 21.3  | 15.7       | 23.5       |
| 226     | 27.8  | 21.1       | 31.7       |





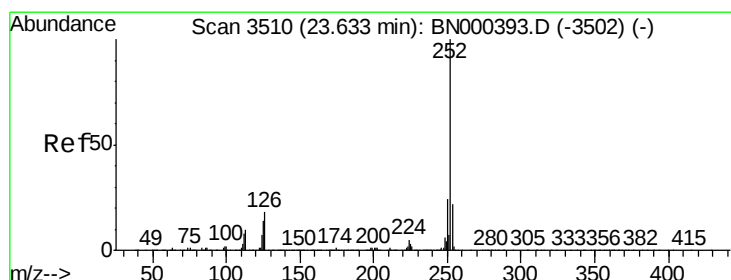
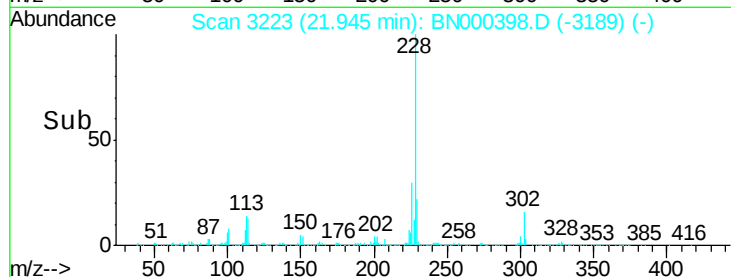
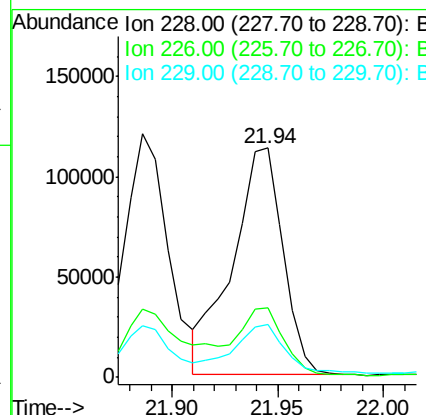
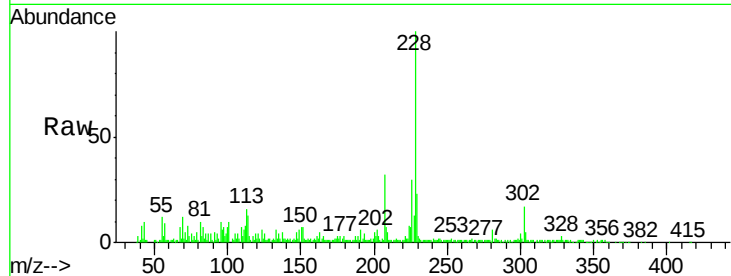
#21  
Chrysene  
Concen: 2.569 ng/ul  
RT: 21.94 min Scan# 3223  
Delta R.T. -0.00 min  
Lab File: BN000398.D  
Acq: 15 Mar 2018 05:01

Instrument :  
BNA\_N  
ClientSampleId :  
DAMC1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 24.5  | 36.7  |
| 229     | 23.1  | 15.8  | 23.8  |

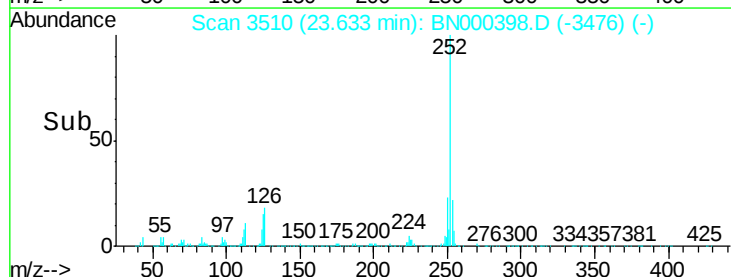
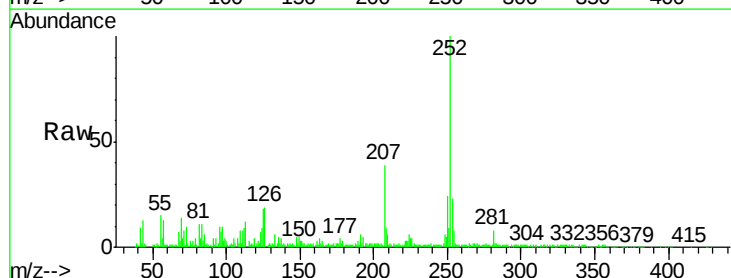
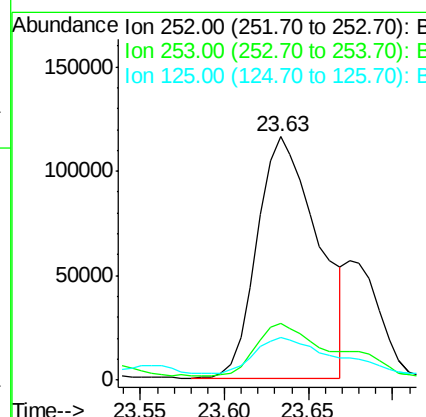
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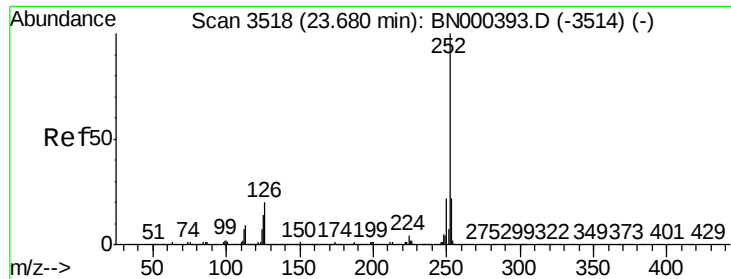
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#23  
Benzo(b)fluoranthene  
Concen: 4.290 ng/ul m  
RT: 23.63 min Scan# 3510  
Delta R.T. -0.00 min  
Lab File: BN000398.D  
Acq: 15 Mar 2018 05:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.5  | 18.0  | 27.0  |
| 125     | 17.7  | 8.0   | 12.0  |





#24

Benzo(k)fluoranthene

Concen: 1.261 ng/ul

RT: 23.67 min Scan# 3517

Delta R.T. -0.01 min

Lab File: BN000398.D

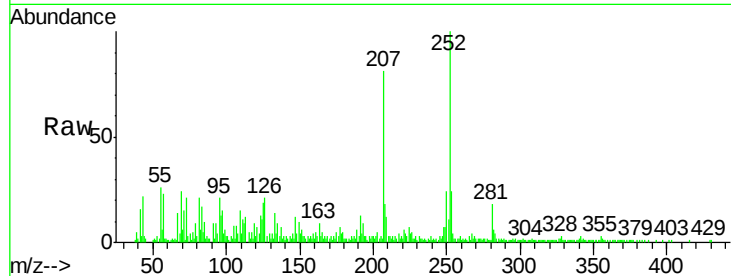
Acq: 15 Mar 2018 05:01

Instrument :  
BNA\_N  
ClientSampled :  
DAMC1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 18.0  | 27.0  |
| 125     | 19.0  | 8.1   | 12.1  |

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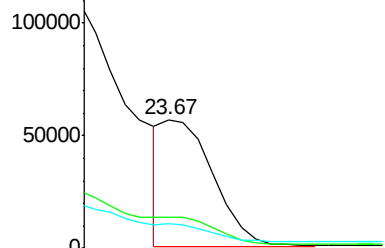


Abundance

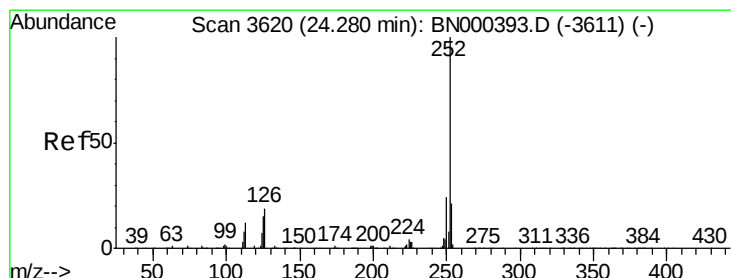
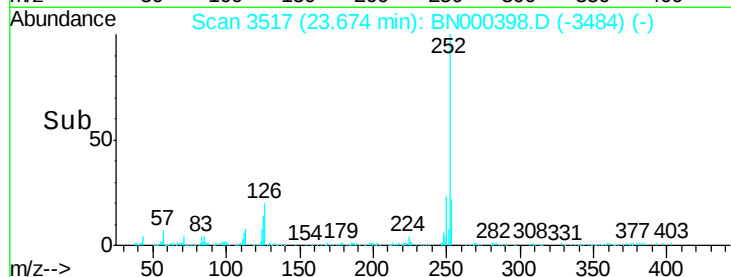
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#26

Benzo(a)pyrene

Concen: 2.667 ng/ul

RT: 24.29 min Scan# 3621

Delta R.T. 0.01 min

Lab File: BN000398.D

Acq: 15 Mar 2018 05:01

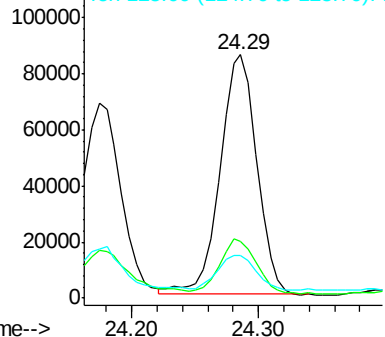
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.5  | 17.2  | 25.8  |
| 125     | 17.4  | 8.2   | 12.4  |

Abundance

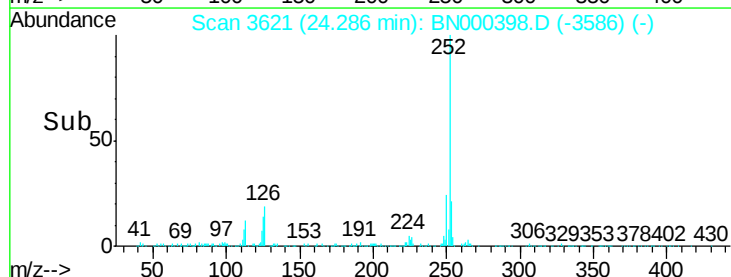
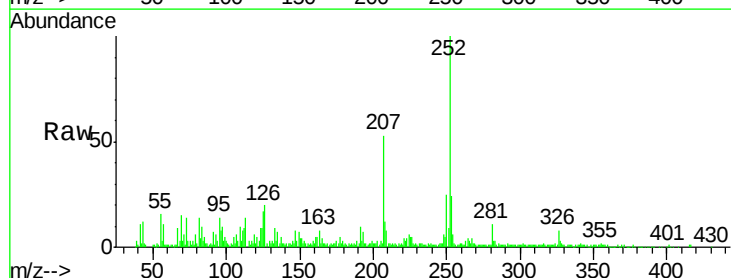
Ion 252.00 (251.70 to 252.70): E

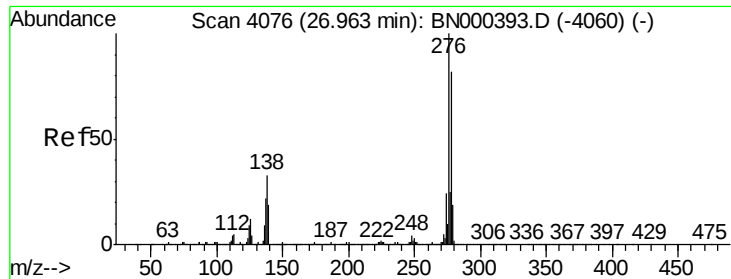
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#27

Indeno(1,2,3-cd)pyrene

Concen: 1.954 ng/ul

RT: 26.96 min Scan# 4075

Delta R.T. -0.01 min

Lab File: BN000398.D

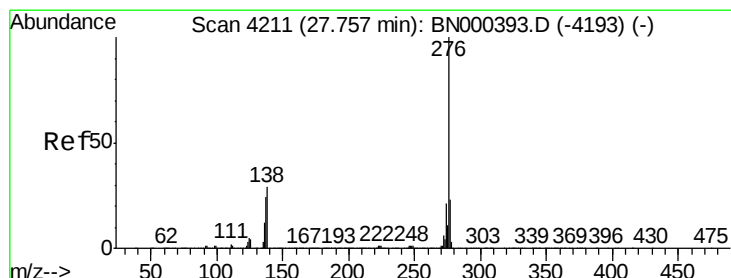
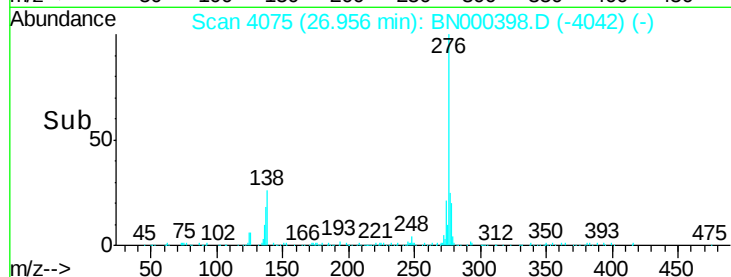
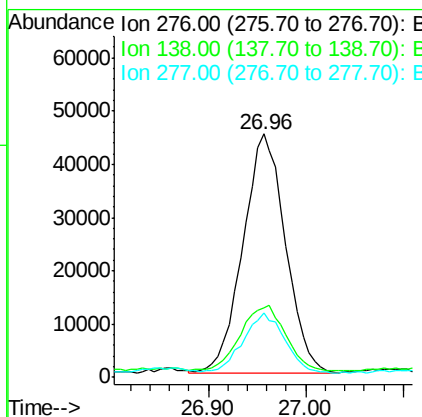
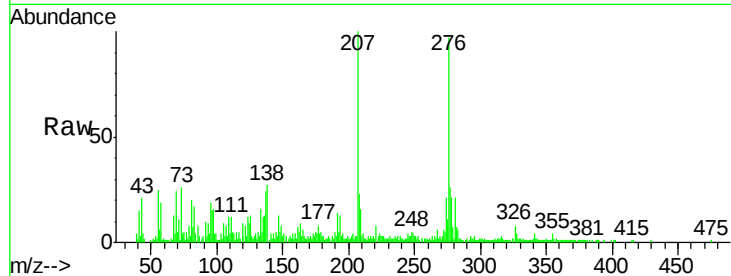
Acq: 15 Mar 2018 05:01

Instrument :  
BNA\_N  
ClientSampleId :  
DAMC1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 28.3  | 14.4  | 21.6# |
| 277     | 26.4  | 18.0  | 27.0  |

Manual Integrations  
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#29

Benzo(g,h,i)perylene

Concen: 2.028 ng/ul

RT: 27.75 min Scan# 4210

Delta R.T. -0.01 min

Lab File: BN000398.D

Acq: 15 Mar 2018 05:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 29.9  | 15.3  | 22.9# |
| 277     | 24.2  | 19.0  | 28.4  |

