

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA N\DATA\BN030918\  
 Data File : BN000288.D  
 Acq On : 09 Mar 2018 18:53  
 Operator : JU/SJ  
 Sample : J1844-07  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DAM77

Manual Integrations  
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Quant Time: Mar 10 05:01:48 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 09 23:47:40 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.45  | 152  | 283939   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.29 | 136  | 1396946  | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.06 | 164  | 803755   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.77 | 188  | 1677640  | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.89 | 240  | 1652593  | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 24.37 | 264  | 1682414  | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 14.76 | 160  | 2136227  | 26.78  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 16.04 | 176  | 1439594  | 26.65  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 17.87 | 188  | 2109155  | 26.91  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 20.13 | 212  | 2238195  | 27.68  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.22 | 264  | 2124150  | 27.65  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |        |        |          |
| 11) Fluorene                | 16.09 | 166  | 68962    | 1.121  | ng/ul  | 97       |
| 13) Phenanthrene            | 17.82 | 178  | 769044   | 7.993  | ng/ul  | 100      |
| 15) Anthracene              | 17.91 | 178  | 184590   | 1.891  | ng/ul  | 99       |
| 16) Fluoranthene            | 19.79 | 202  | 1160602  | 11.165 | ng/ul# | 93       |
| 19) Pyrene                  | 20.16 | 202  | 936583m  | 8.976  | ng/ul  |          |
| 20) Benzo(a)anthracene      | 21.87 | 228  | 583279m  | 5.677  | ng/ul  |          |
| 21) Chrysene                | 21.93 | 228  | 551729   | 5.659  | ng/ul  | 97       |
| 23) Benzo(b)fluoranthene    | 23.62 | 252  | 710101m  | 7.078  | ng/ul  |          |
| 24) Benzo(k)fluoranthene    | 23.66 | 252  | 243569m  | 2.594  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.26 | 252  | 463836   | 4.858  | ng/ul# | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.92 | 276  | 257986   | 2.506  | ng/ul# | 87       |
| 29) Benzo(g,h,i)perylene    | 27.70 | 276  | 232895   | 2.709  | ng/ul# | 89       |

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

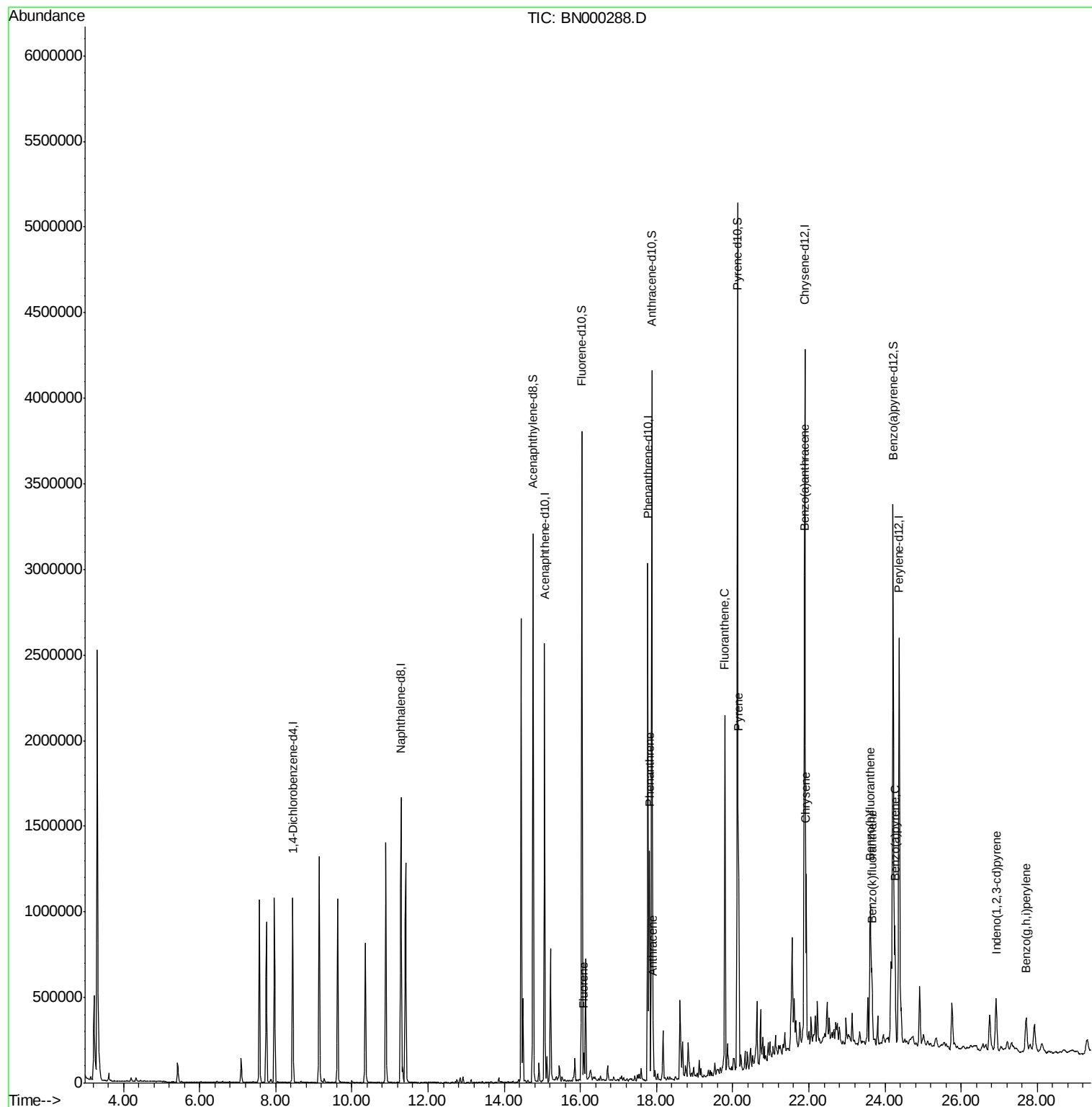
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA N\DATA\BN030918\  
Data File : BN000288.D  
Acq On : 09 Mar 2018 18:53  
Operator : JU/SJ  
Sample : J1844-07  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

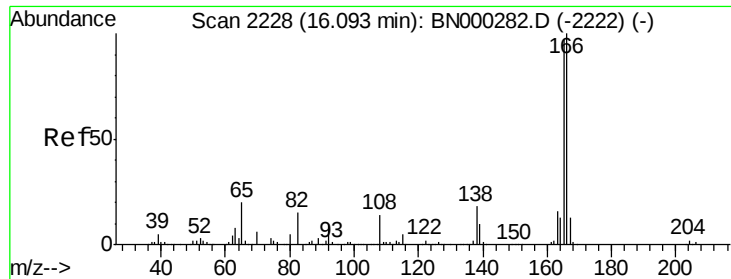
Instrument :  
BNA\_N  
ClientSampleId :  
DAM77

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Quant Time: Mar 10 05:01:48 2018  
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 09 23:47:40 2018  
Response via : Initial Calibration





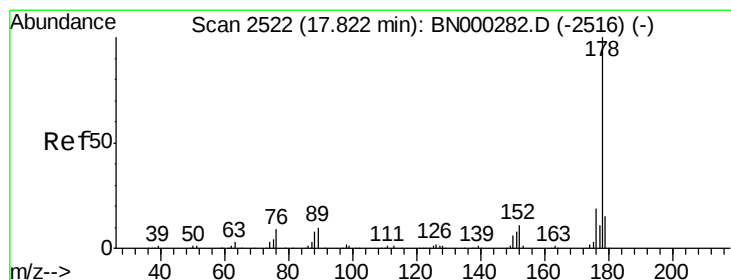
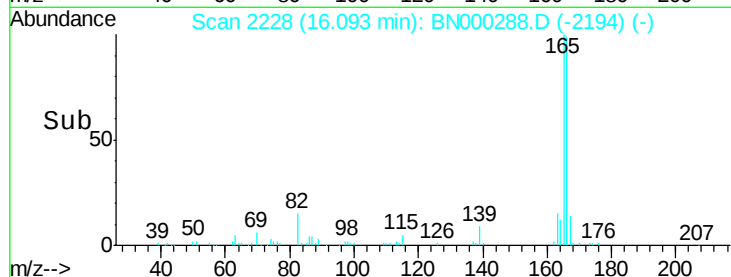
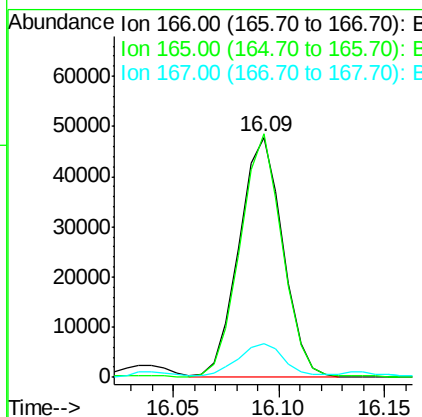
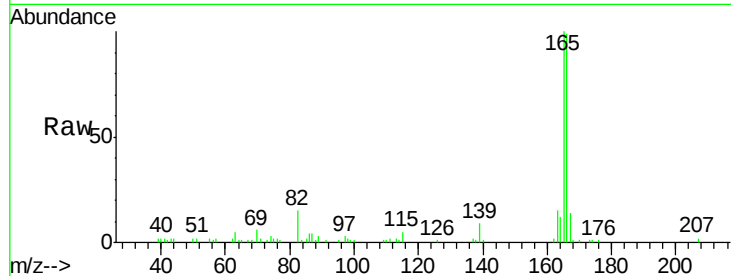
#11  
Fluorene  
Concen: 1.121 ng/ul  
RT: 16.09 min Scan# 2228  
Delta R.T. -0.00 min  
Lab File: BN000288.D  
Acq: 09 Mar 2018 18:53

Instrument :  
BNA\_N  
ClientSampled :  
DAM77

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 101.5 | 83.8  | 125.8 |
| 167     | 13.9  | 11.5  | 17.3  |

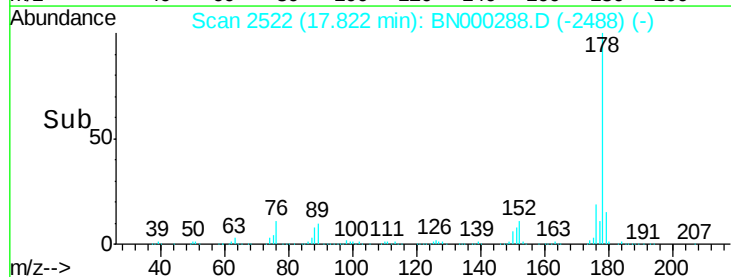
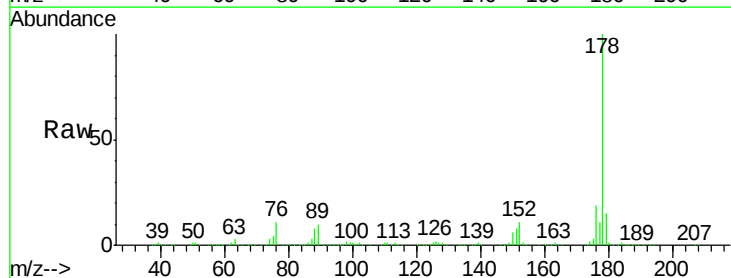
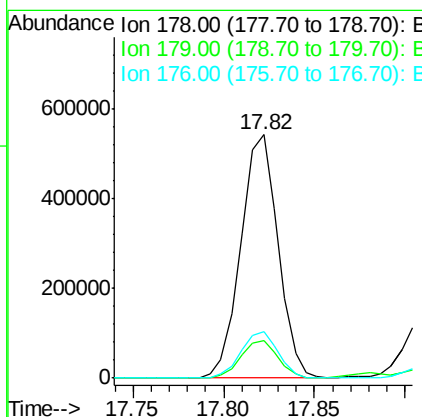
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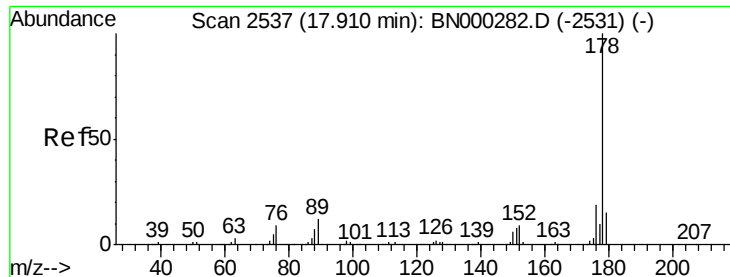
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#13  
Phenanthrene  
Concen: 7.993 ng/ul  
RT: 17.82 min Scan# 2522  
Delta R.T. -0.00 min  
Lab File: BN000288.D  
Acq: 09 Mar 2018 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.2  | 12.3  | 18.5  |
| 176     | 18.9  | 15.1  | 22.7  |





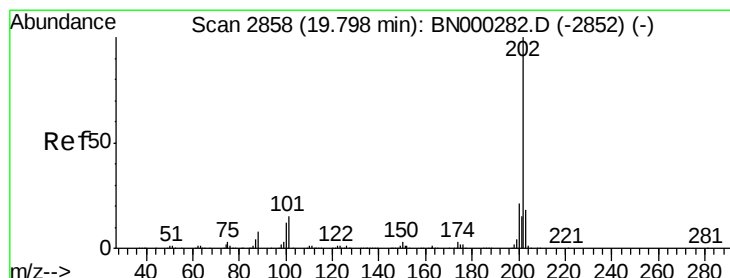
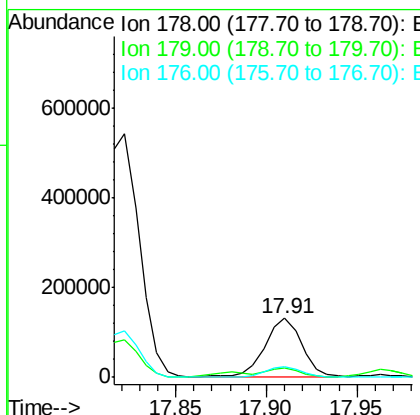
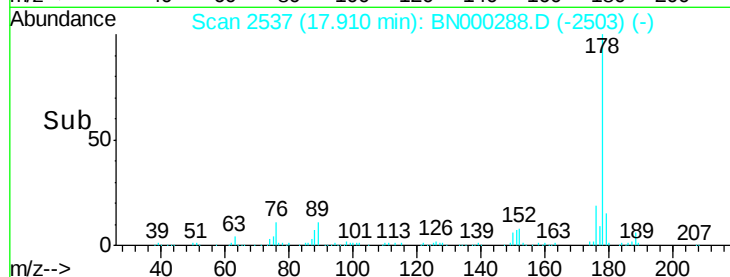
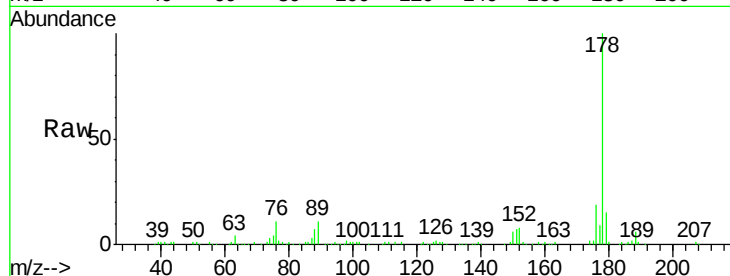
#15  
 Anthracene  
 Concen: 1.891 ng/ul  
 RT: 17.91 min Scan# 2537  
 Delta R.T. -0.00 min  
 Lab File: BN000288.D  
 Acq: 09 Mar 2018 18:53

Instrument :  
 BNA\_N  
 ClientSampled :  
 DAM77

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.4  | 11.8  | 17.8  |
| 176     | 19.0  | 15.2  | 22.8  |

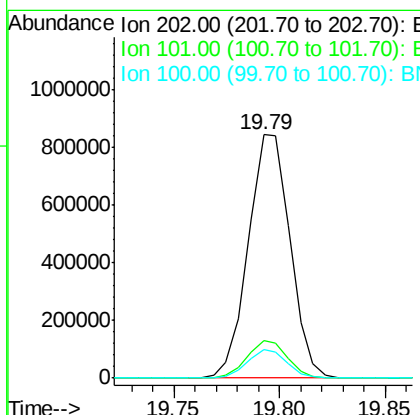
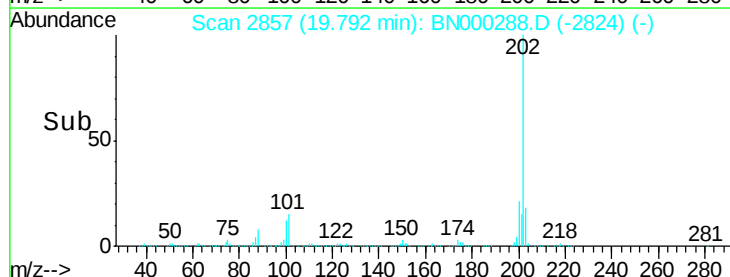
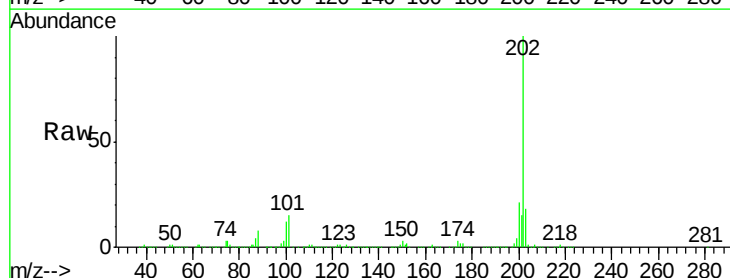
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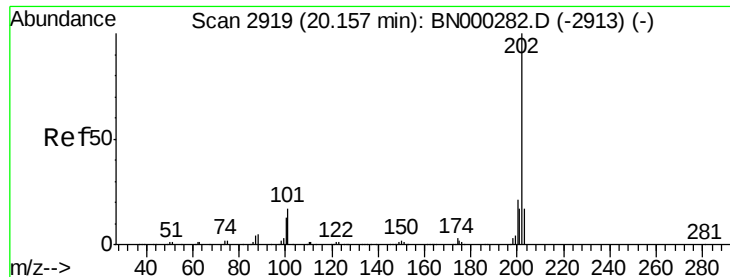
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#16  
 Fluoranthene  
 Concen: 11.165 ng/ul  
 RT: 19.79 min Scan# 2857  
 Delta R.T. -0.01 min  
 Lab File: BN000288.D  
 Acq: 09 Mar 2018 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 15.4  | 9.9   | 14.9# |
| 100     | 11.8  | 7.4   | 11.0# |





#19

Pvrene

Concen: 8.976 ng/ul m

RT: 20.16 min Scan# 2919

Delta R.T. -0.00 min

Lab File: BN000288.D

Acq: 09 Mar 2018 18:53

Instrument :

BNA\_N

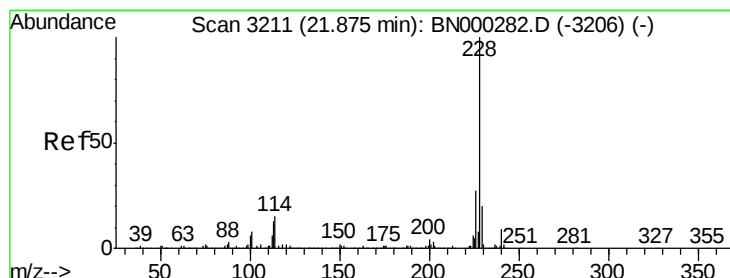
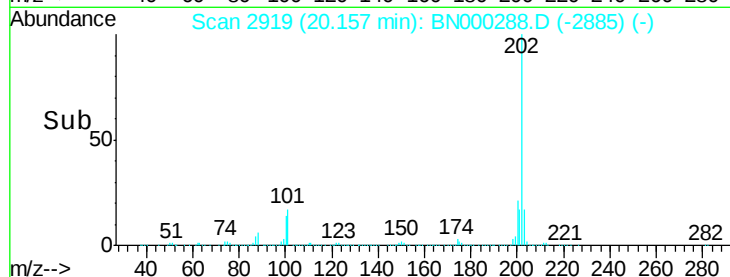
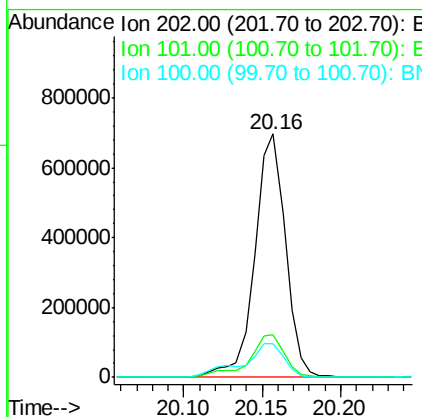
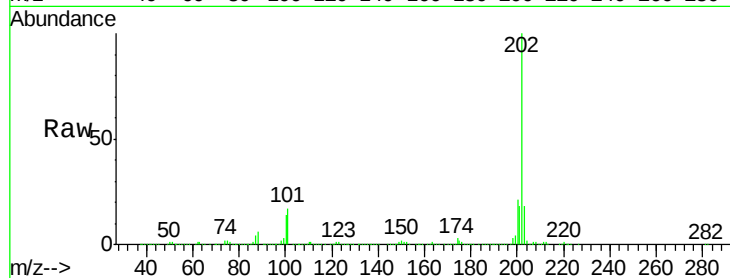
ClientSampled :

DAM77

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 936583 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 17.4  | 11.0  | 16.4#  |
| 100       | 14.0  | 8.1   | 12.1#  |

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#20

Benzo(a)anthracene

Concen: 5.677 ng/ul m

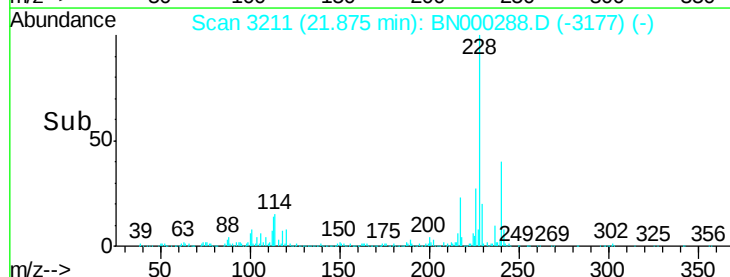
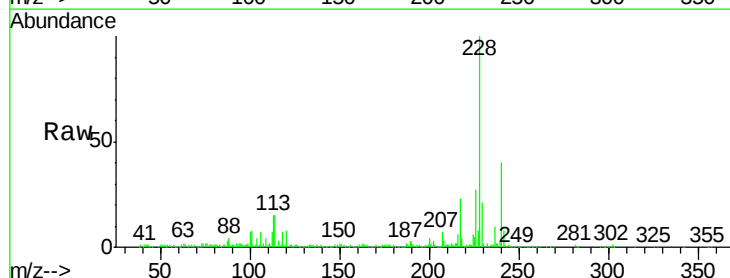
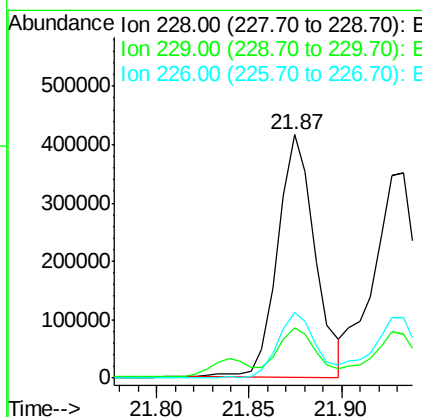
RT: 21.87 min Scan# 3211

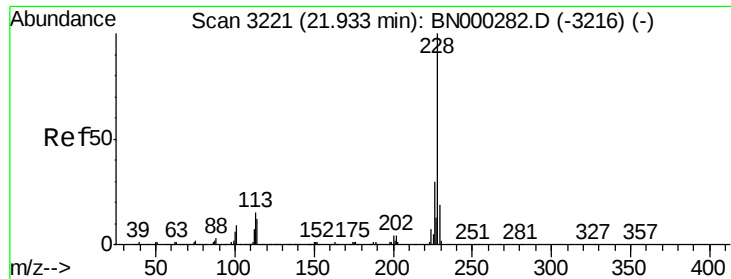
Delta R.T. -0.00 min

Lab File: BN000288.D

Acq: 09 Mar 2018 18:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 583279 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 20.6  | 15.7  | 23.5   |
| 226       | 27.2  | 21.1  | 31.7   |





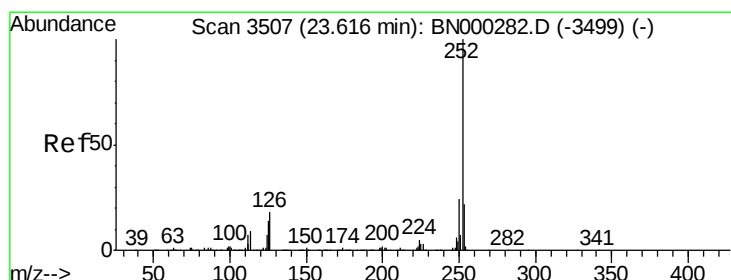
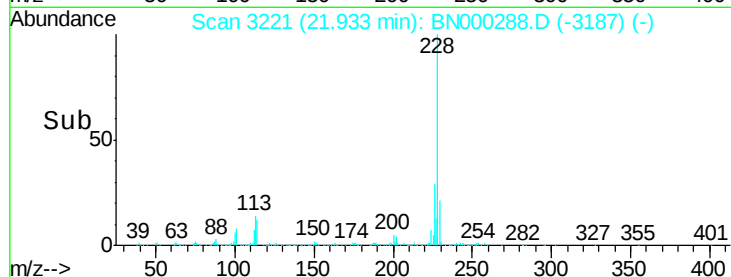
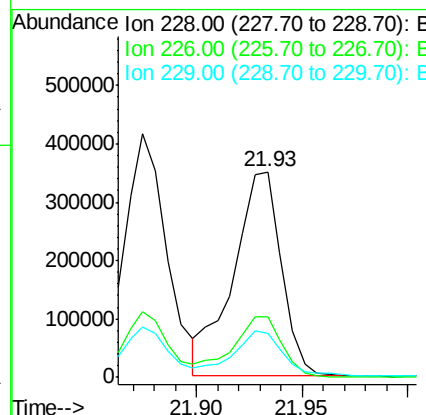
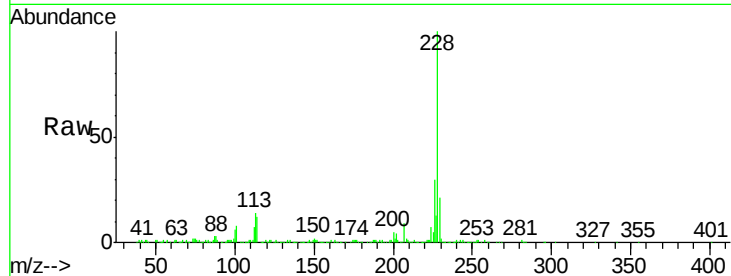
#21  
Chrysene  
Concen: 5.659 ng/ul  
RT: 21.93 min Scan# 3221  
Delta R.T. -0.00 min  
Lab File: BN000288.D  
Acq: 09 Mar 2018 18:53

Instrument :  
BNA\_N  
ClientSampled :  
DAM77

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.6  | 24.5  | 36.7  |
| 229     | 21.5  | 15.8  | 23.8  |

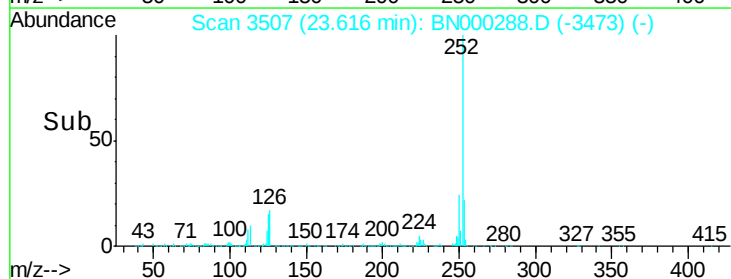
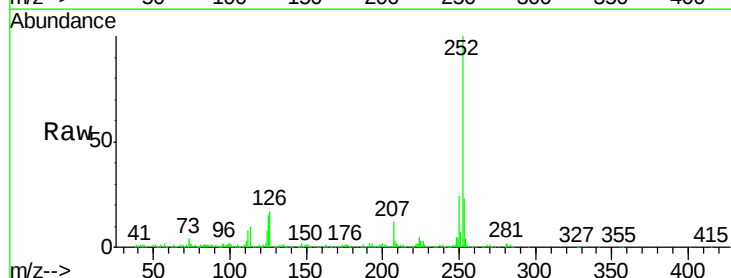
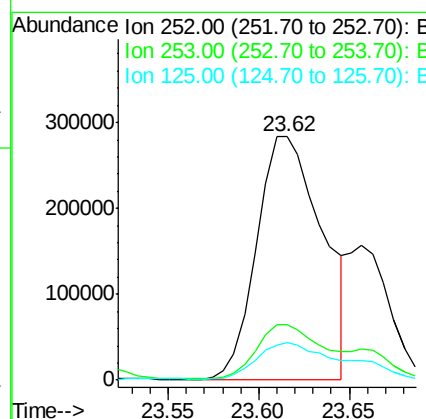
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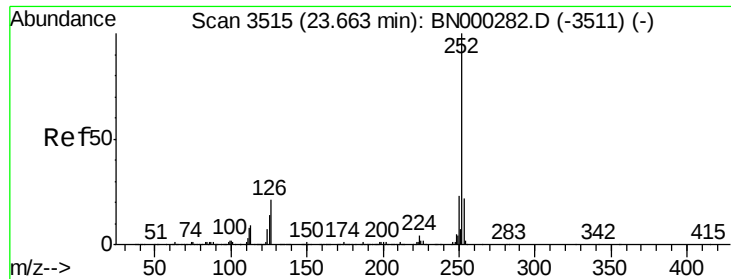
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#23  
Benzo(b)fluoranthene  
Concen: 7.078 ng/ul m  
RT: 23.62 min Scan# 3507  
Delta R.T. -0.00 min  
Lab File: BN000288.D  
Acq: 09 Mar 2018 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.0  | 27.0  |
| 125     | 15.4  | 8.0   | 12.0  |





#24

Benzo(k)fluoranthene

Concen: 2.594 ng/ul

RT: 23.66 min Scan# 3514

Delta R.T. -0.01 min

Lab File: BN000288.D

Acq: 09 Mar 2018 18:53

Instrument :

BNA\_N

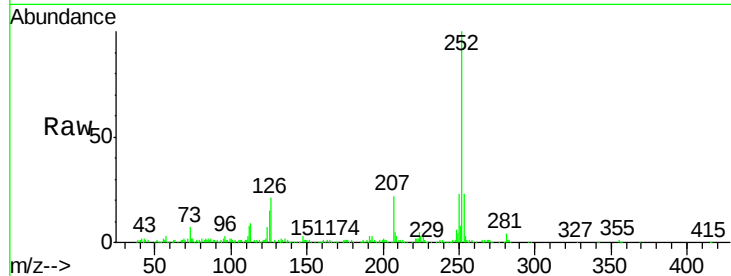
ClientSampled :

DAM77

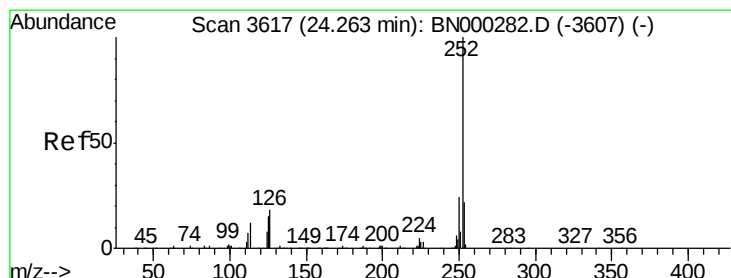
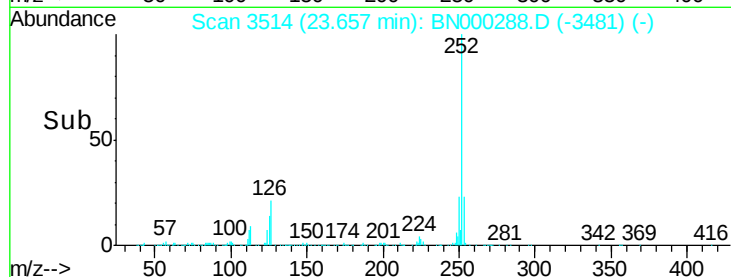
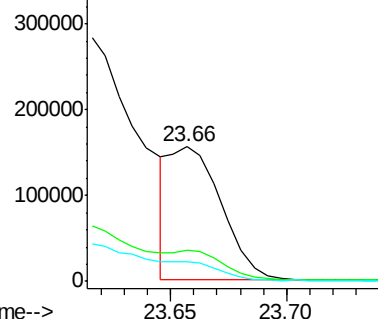
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 243569 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.3  | 18.0  | 27.0   |
| 125       | 14.5  | 8.1   | 12.1#  |

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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: 4.858 ng/ul

RT: 24.26 min Scan# 3617

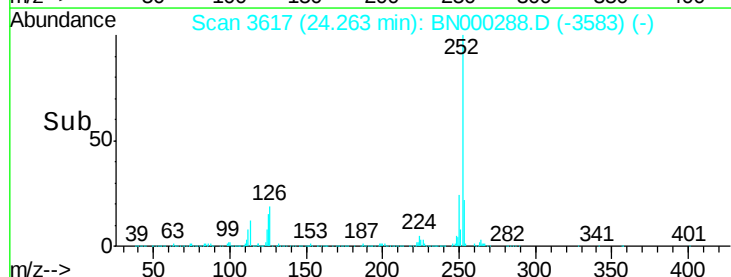
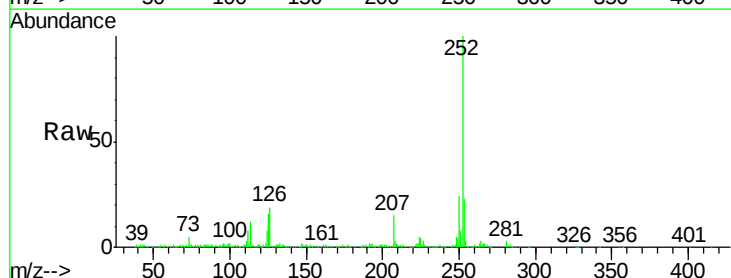
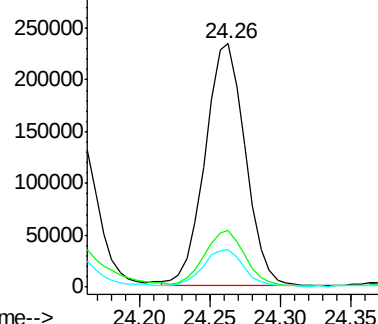
Delta R.T. -0.00 min

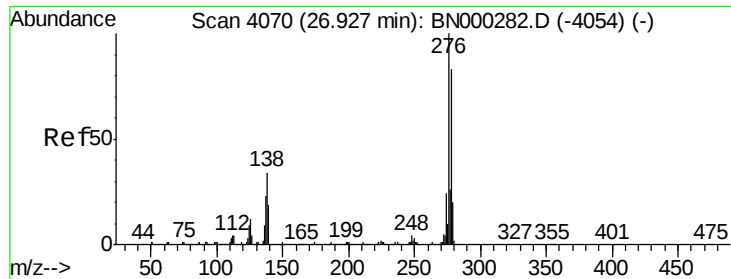
Lab File: BN000288.D

Acq: 09 Mar 2018 18:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 463836 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.4  | 17.2  | 25.8   |
| 125       | 15.6  | 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





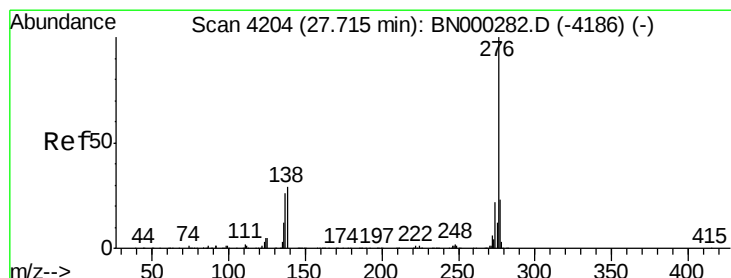
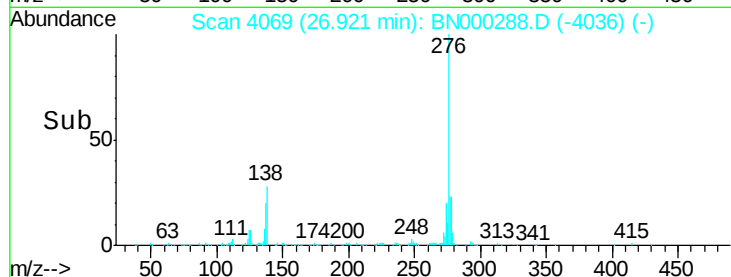
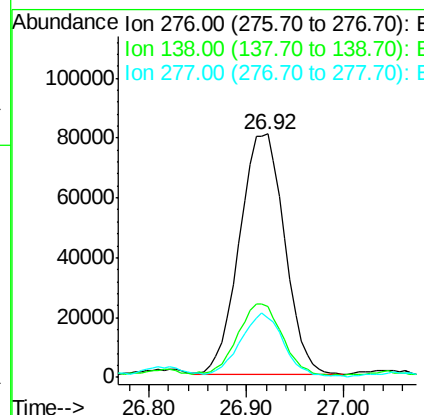
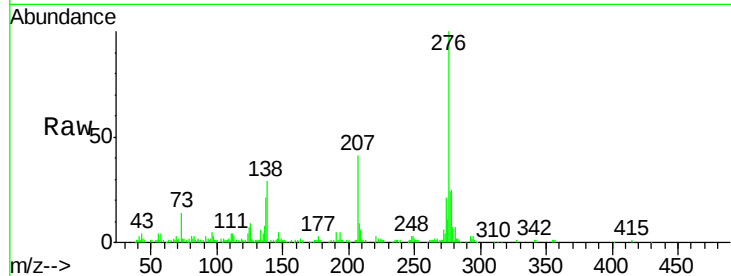
#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.506 ng/ul  
 RT: 26.92 min Scan# 4069  
 Delta R.T. -0.01 min  
 Lab File: BN000288.D  
 Acq: 09 Mar 2018 18:53

Instrument :  
 BNA\_N  
 ClientSampled :  
 DAM77

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 29.0  | 14.4  | 21.6# |
| 277     | 24.3  | 18.0  | 27.0  |

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#29  
 Benzo(g,h,i)perylene  
 Concen: 2.709 ng/ul  
 RT: 27.70 min Scan# 4202  
 Delta R.T. -0.01 min  
 Lab File: BN000288.D  
 Acq: 09 Mar 2018 18:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 30.0  | 15.3  | 22.9# |
| 277     | 23.5  | 19.0  | 28.4  |

