

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110218\  
 Data File : BN003412.D  
 Acq On : 02 Nov 2018 20:26  
 Operator : MJ/SJ  
 Sample : J5704-16  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A40H3

Manual Integrations  
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Quant Time: Nov 15 15:38:02 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 23:49:03 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 10070    | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.65 | 136  | 42636    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.49 | 164  | 26006    | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.23 | 188  | 57503m   | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.41 | 240  | 45917m   | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.73 | 264  | 35907m   | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.24 | 152  | 28919    | 0.42 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.25 | 212  | 67666m   | 0.42 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Ovalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 12) Phenanthrene           | 17.27 | 178  | 75630m   | 0.401 | ng/ul |        |
| 13) Anthracene             | 17.36 | 178  | 9836m    | 0.064 | ng/ul |        |
| 15) Fluoranthene           | 19.29 | 202  | 250830m  | 1.183 | ng/ul |        |
| 17) Pyrene                 | 19.65 | 202  | 191975m  | 1.149 | ng/ul |        |
| 18) Benzo(a)anthracene     | 21.39 | 228  | 86877m   | 0.603 | ng/ul |        |
| 19) Chrysene               | 21.45 | 228  | 108247m  | 0.662 | ng/ul |        |
| 21) Benzo(b)fluoranthene   | 23.02 | 252  | 136660m  | 0.883 | ng/ul |        |
| 22) Benzo(k)fluoranthene   | 23.06 | 252  | 46034m   | 0.307 | ng/ul |        |
| 23) Benzo(a)pyrene         | 23.62 | 252  | 79026m   | 0.612 | ng/ul |        |
| 24) Indeno(1,2,3-cd)pyrene | 26.08 | 276  | 59143m   | 0.428 | ng/ul |        |
| 25) Dibenzo(a,h)anthracene | 26.09 | 278  | 14102m   | 0.125 | ng/ul |        |
| 26) Benzo(g,h,i)perylene   | 26.81 | 276  | 43908m   | 0.370 | ng/ul |        |

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

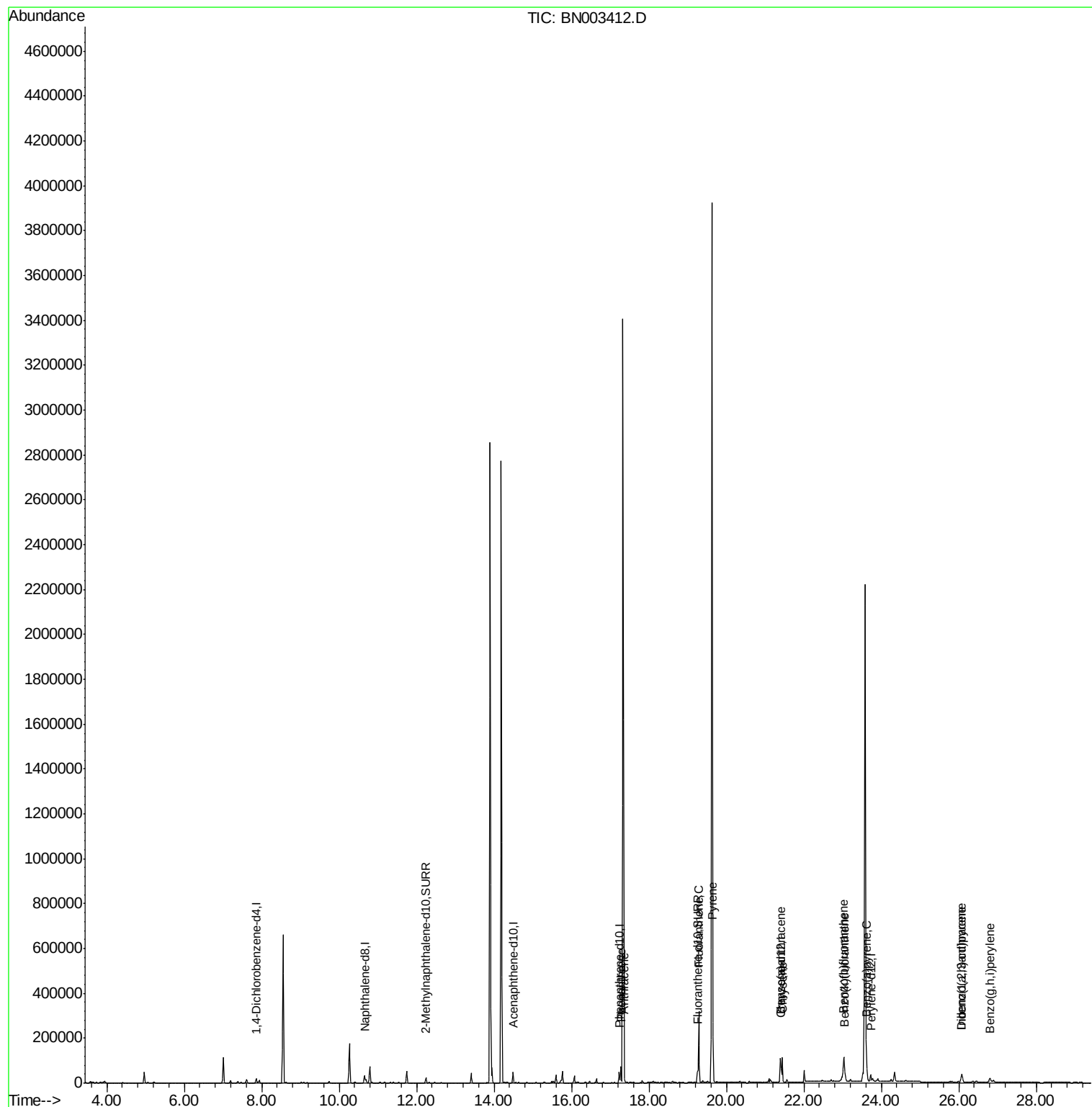
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110218\  
Data File : BN003412.D  
Acq On : 02 Nov 2018 20:26  
Operator : MJ/SJ  
Sample : J5704-16  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

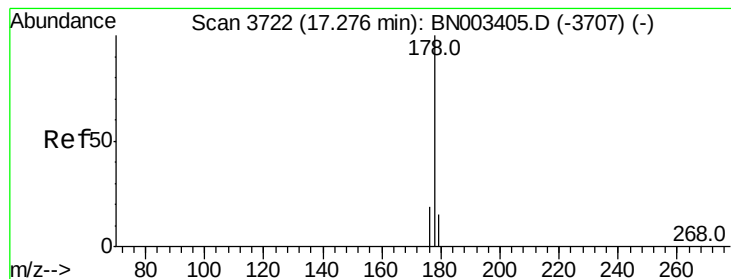
Instrument :  
BNA\_N  
ClientSampled :  
A40H3

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Quant Time: Nov 15 15:38:02 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 23:49:03 2018  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.401 ng/ul m

RT: 17.27 min Scan# 3721

Delta R.T. -0.00 min

Lab File: BN003412.D

Acq: 02 Nov 2018 20:26

Instrument :

BNA\_N

ClientSampled :

A40H3

Tot Ion:178 Resp: 75630

Ion Ratio Lower Upper

178 100

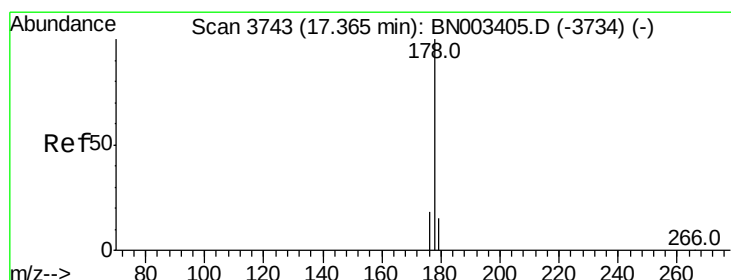
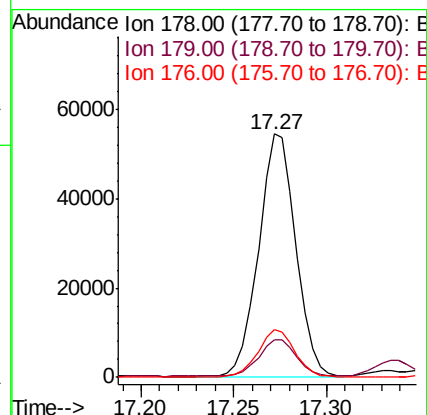
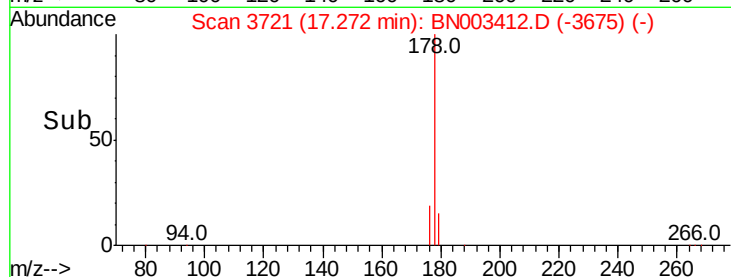
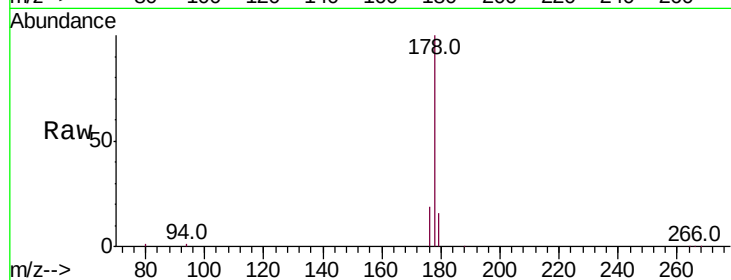
179 15.5 12.4 18.6

176 19.4 15.0 22.4

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#13

Anthracene

Concen: 0.064 ng/ul m

RT: 17.36 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BN003412.D

Acq: 02 Nov 2018 20:26

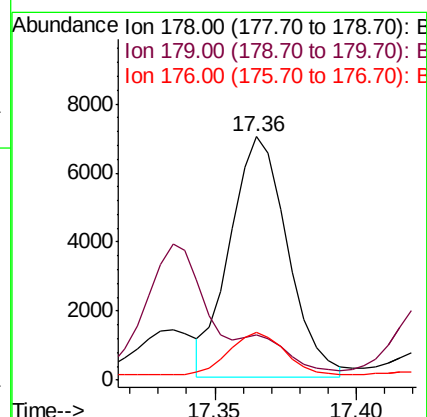
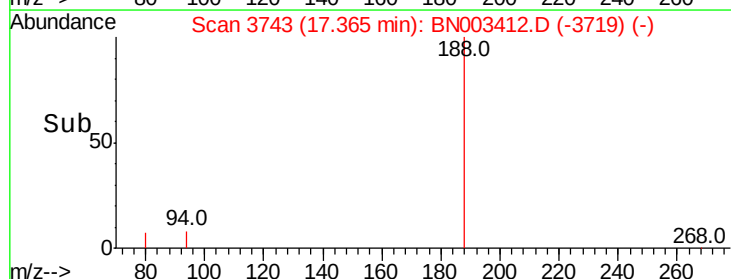
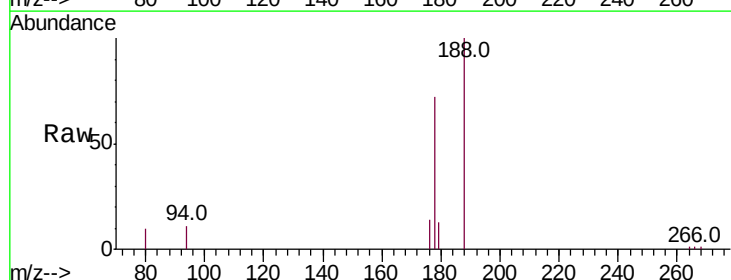
Tgt Ion:178 Resp: 9836

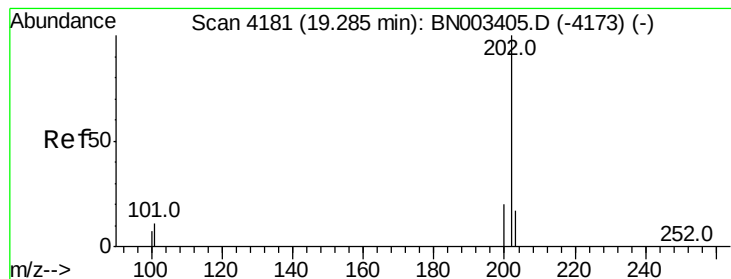
Ion Ratio Lower Upper

178 100

179 18.5 12.2 18.2#

176 19.6 14.7 22.1





#15

Fluoranthene

Concen: 1.183 ng/ul m

RT: 19.29 min Scan# 4181

Delta R.T. -0.00 min

Lab File: BN003412.D

Acq: 02 Nov 2018 20:26

Instrument :

BNA\_N

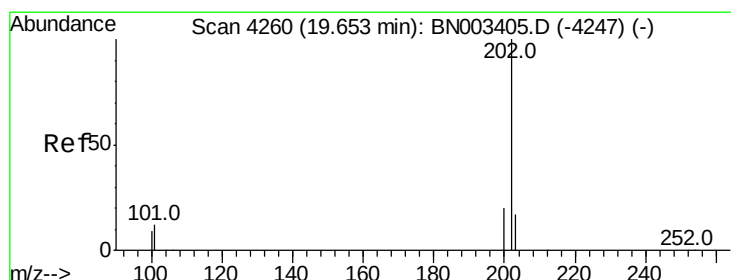
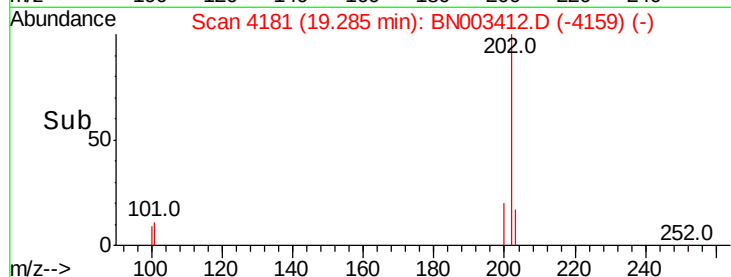
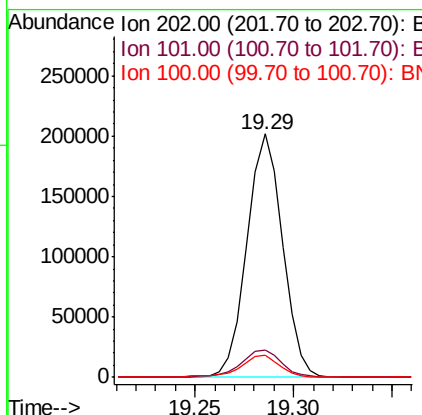
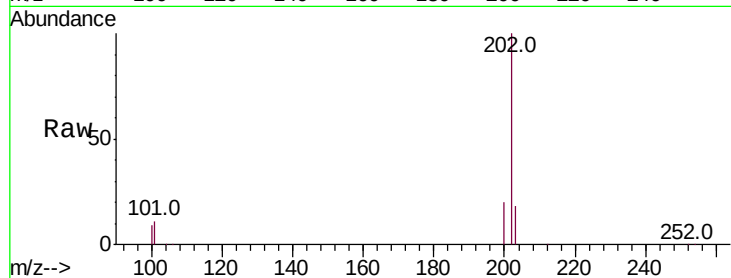
ClientSampled :

A40H3

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 250830 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 11.4  | 0.0   | 30.7   |
| 100       | 8.9   | 0.0   | 28.0   |

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#17

Pyrene

Concen: 1.149 ng/ul m

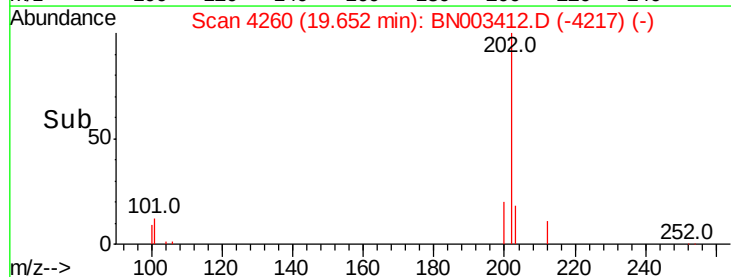
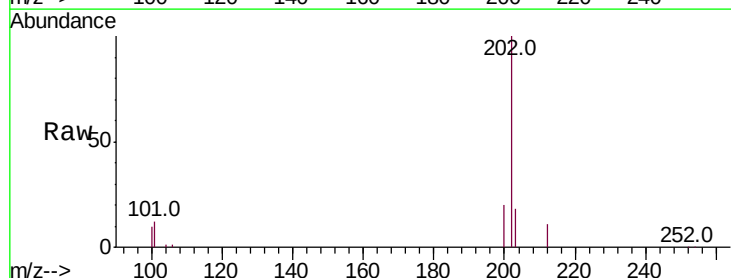
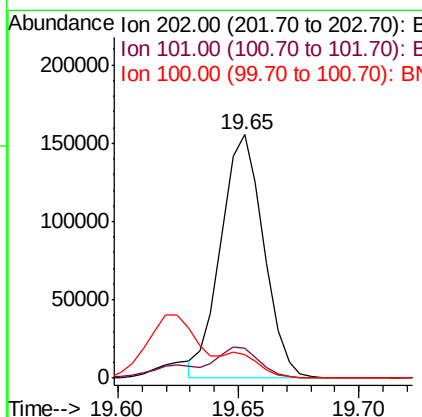
RT: 19.65 min Scan# 4260

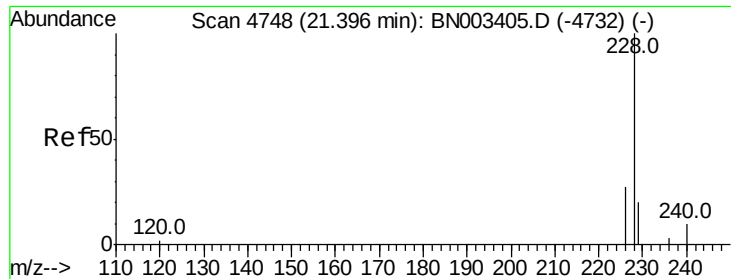
Delta R.T. -0.00 min

Lab File: BN003412.D

Acq: 02 Nov 2018 20:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 191975 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 12.1  | 9.5   | 14.3   |
| 100       | 9.6   | 7.5   | 11.3   |





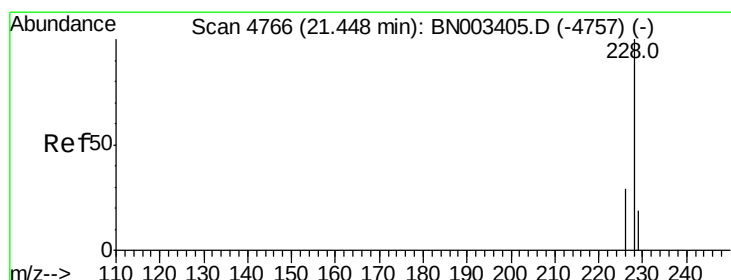
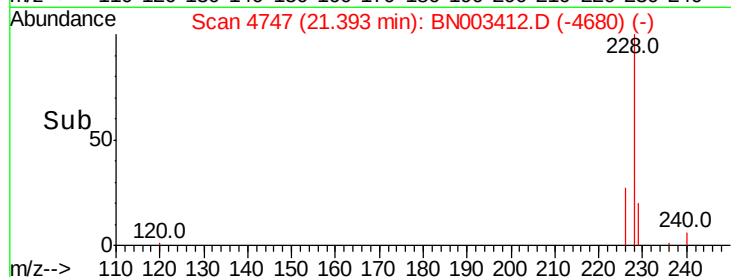
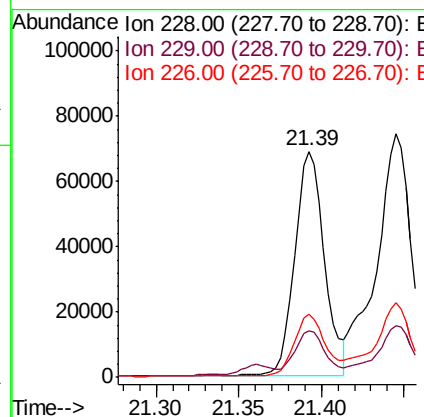
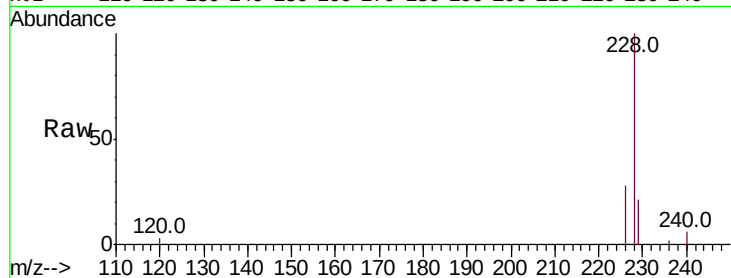
#18  
Benzo(a)anthracene  
Concen: 0.603 ng/ul m  
RT: 21.39 min Scan# 4747  
Delta R.T. -0.00 min  
Lab File: BN003412.D  
Acq: 02 Nov 2018 20:26

Instrument :  
BNA\_N  
ClientSampled :  
A40H3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.7  | 15.5  | 23.3  |
| 226     | 27.8  | 21.5  | 32.3  |

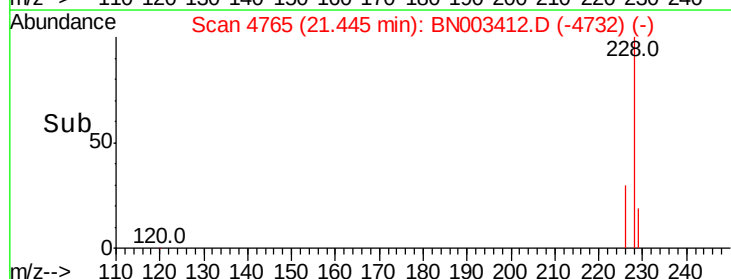
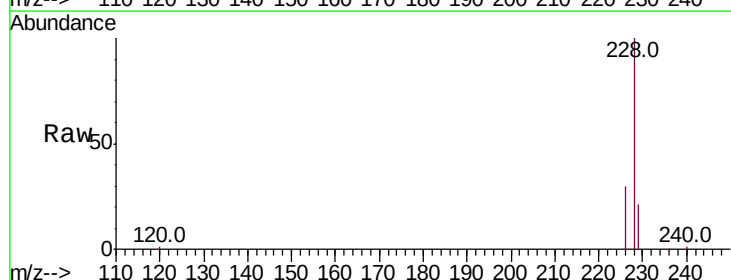
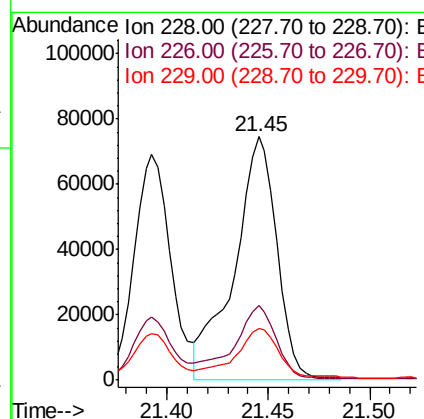
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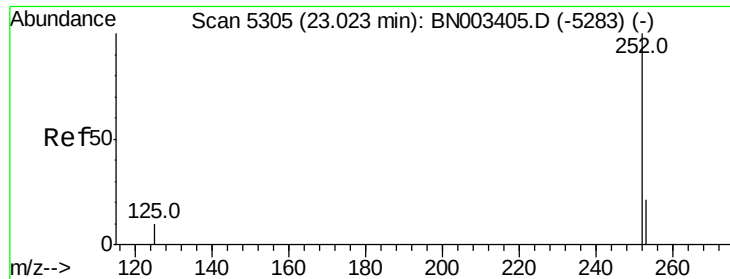
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#19  
Chrysene  
Concen: 0.662 ng/ul m  
RT: 21.45 min Scan# 4765  
Delta R.T. -0.00 min  
Lab File: BN003412.D  
Acq: 02 Nov 2018 20:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.4  | 23.8  | 35.6  |
| 229     | 21.4  | 15.5  | 23.3  |





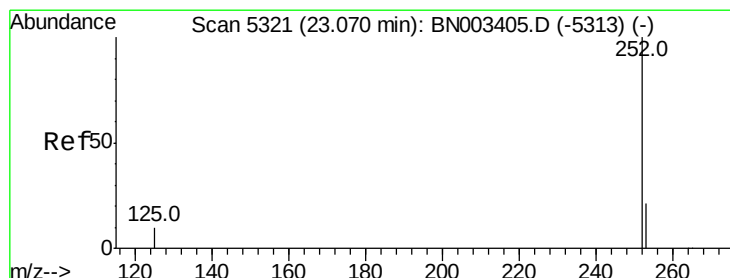
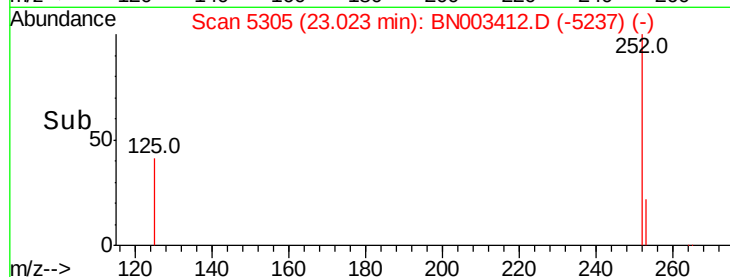
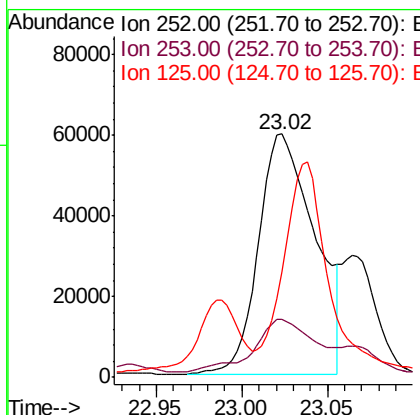
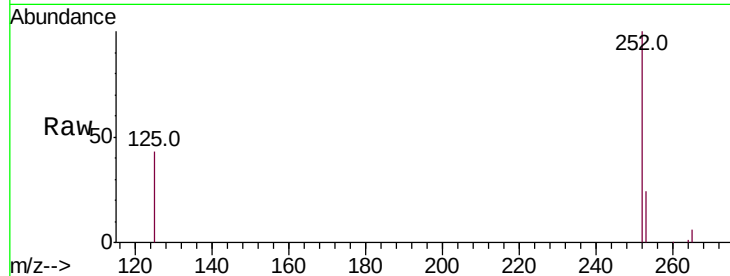
#21  
Benzo(b)fluoranthene  
Concen: 0.883 ng/ul m  
RT: 23.02 min Scan# 5305  
Delta R.T. -0.00 min  
Lab File: BN003412.D  
Acq: 02 Nov 2018 20:26

Instrument :  
BNA\_N  
ClientSampleId :  
A40H3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 0.0   | 45.6  |
| 125     | 43.3  | 0.0   | 21.8# |

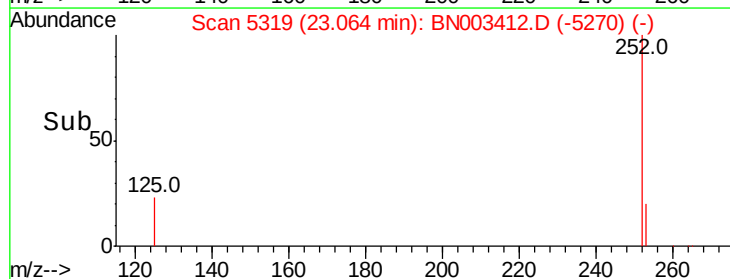
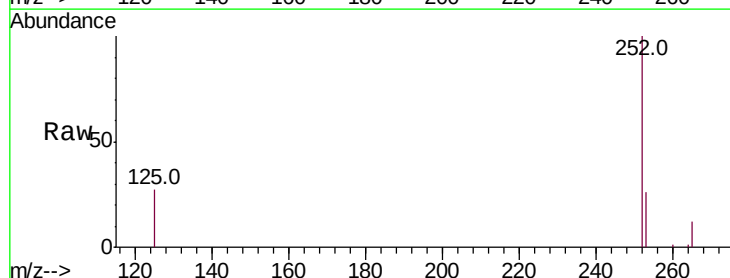
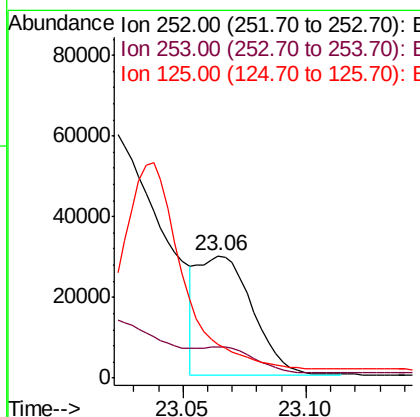
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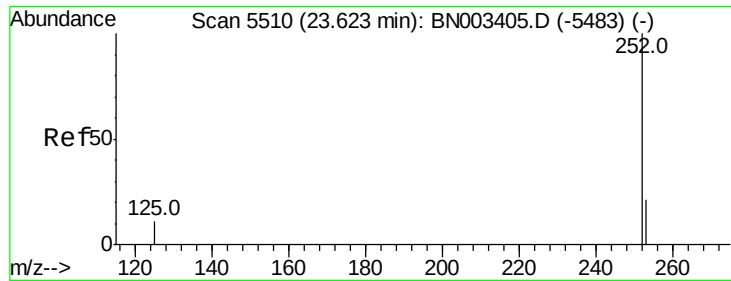
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#22  
Benzo(k)fluoranthene  
Concen: 0.307 ng/ul m  
RT: 23.06 min Scan# 5319  
Delta R.T. -0.01 min  
Lab File: BN003412.D  
Acq: 02 Nov 2018 20:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.9  | 18.2  | 27.4  |
| 125     | 27.4  | 8.6   | 13.0# |





#23

Benzo(a)pyrene

Concen: 0.612 ng/ul m

RT: 23.62 min Scan# 5510

Delta R.T. -0.00 min

Lab File: BN003412.D

Acq: 02 Nov 2018 20:26

Instrument :

BNA\_N

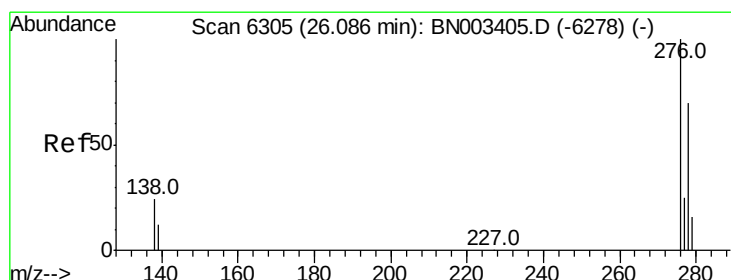
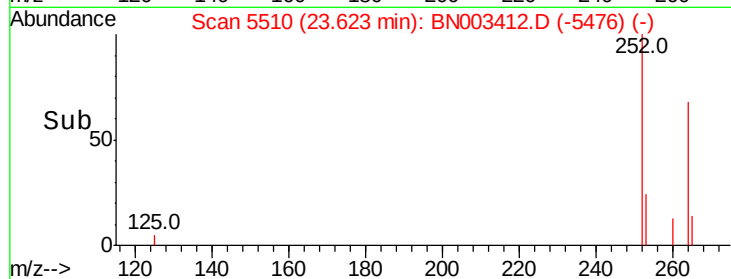
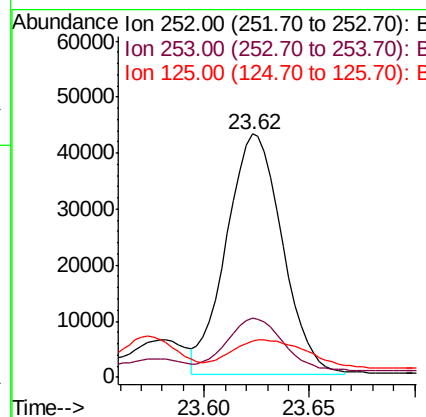
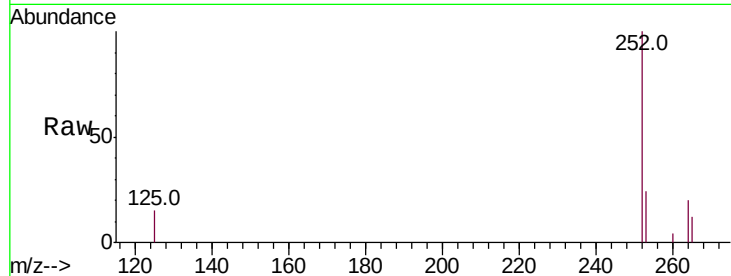
ClientSampled :

A40H3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 79026 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.4  | 18.5  | 27.7  |
| 125       | 14.8  | 9.9   | 14.9  |

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.428 ng/ul m

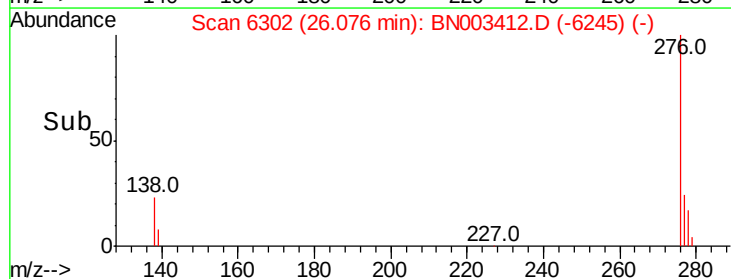
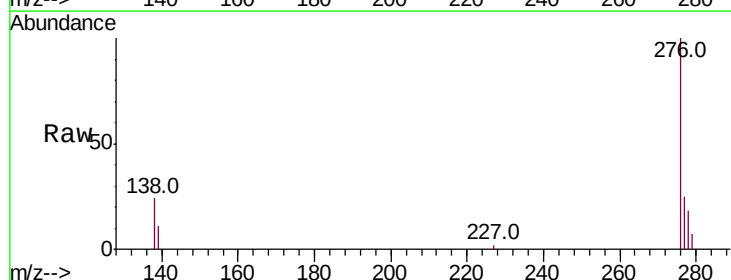
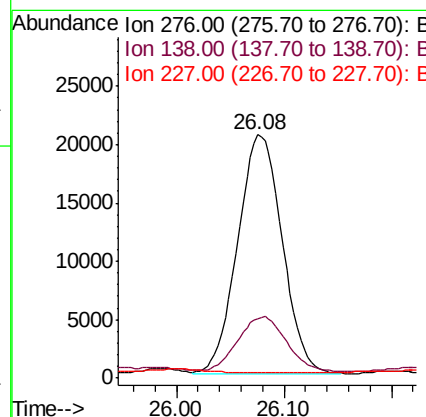
RT: 26.08 min Scan# 6302

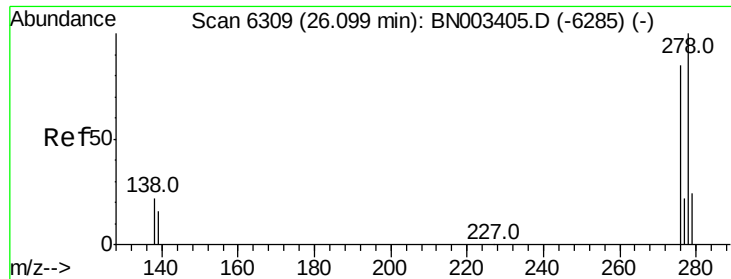
Delta R.T. -0.01 min

Lab File: BN003412.D

Acq: 02 Nov 2018 20:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 59143 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 1.5   | 19.8  | 29.8# |
| 227       | 0.0   | 0.2   | 0.2#  |





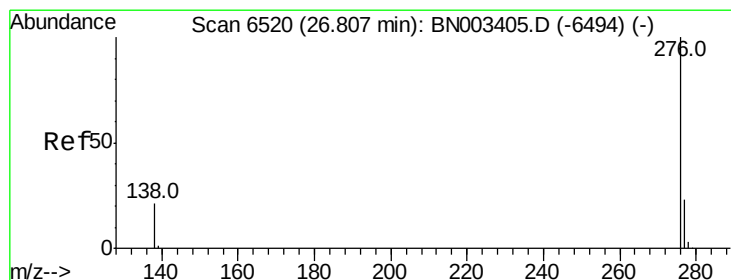
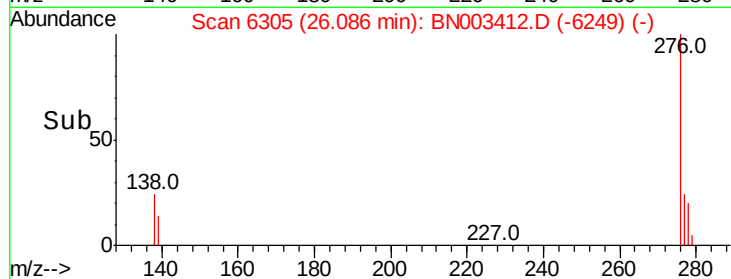
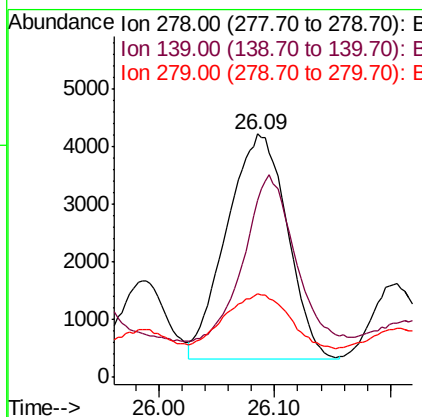
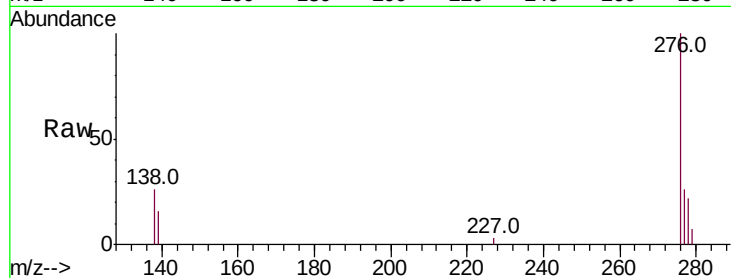
#25  
Dibenzo(a,h)anthracene  
Concen: 0.125 ng/ul m  
RT: 26.09 min Scan# 6305  
Delta R.T. -0.01 min  
Lab File: BN003412.D  
Acq: 02 Nov 2018 20:26

Instrument :  
BNA\_N  
ClientSampled :  
A40H3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 73.0  | 13.1  | 19.7# |
| 279     | 34.1  | 19.5  | 29.3# |

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#26  
Benzo(g,h,i)perylene  
Concen: 0.370 ng/ul m  
RT: 26.81 min Scan# 6520  
Delta R.T. -0.00 min  
Lab File: BN003412.D  
Acq: 02 Nov 2018 20:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.4  | 17.0  | 25.6  |
| 277     | 25.6  | 19.2  | 28.8  |

