

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062219\  
 Data File : BN006503.D  
 Acq On : 22 Jun 2019 23:17  
 Operator : HP/JU  
 Sample : K3360-09  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41Y9

Manual Integrations  
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 6/25/2019 8:44:54 AM

Quant Time: Jun 24 09:13:47 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 5065     | 0.40   | ng/ul | -0.01    |
| 2) Naphthalene-d8           | 10.41 | 136  | 20010    | 0.40   | ng/ul | -0.02    |
| 6) Acenaphthene-d10         | 14.28 | 164  | 11156    | 0.40   | ng/ul | 0.00     |
| 10) Phenanthrene-d10        | 17.04 | 188  | 22662m   | 0.40   | ng/ul | -0.02    |
| 16) Chrysene-d12            | 21.25 | 240  | 13407m   | 0.40   | ng/ul | -0.01    |
| 20) Perylene-d12            | 23.48 | 264  | 10748m   | 0.40   | ng/ul | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 4) 2-Methylnaphthalene-d10  | 12.01 | 152  | 6772     | 0.22   | ng/ul | -0.02    |
| 14) Fluoranthene-d10        | 19.08 | 212  | 14219m   | 0.23   | ng/ul | -0.01    |
| Target Compounds            |       |      |          | Qvalue |       |          |
| 12) Phenanthrene            | 17.08 | 178  | 4176     | 0.057  | ng/ul | 95       |
| 15) Fluoranthene            | 19.11 | 202  | 12113m   | 0.151  | ng/ul |          |
| 17) Pyrene                  | 19.47 | 202  | 14020    | 0.199  | ng/ul | 96       |
| 18) Benzo(a)anthracene      | 21.24 | 228  | 5989     | 0.101  | ng/ul | 96       |
| 19) Chrysene                | 21.29 | 228  | 5951     | 0.107  | ng/ul | 97       |
| 21) Benzo(b)fluoranthene    | 22.81 | 252  | 7067m    | 0.158  | ng/ul |          |
| 22) Benzo(k)fluoranthene    | 22.86 | 252  | 3271m    | 0.075  | ng/ul |          |
| 23) Benzo(a)pyrene          | 23.38 | 252  | 4002m    | 0.096  | ng/ul |          |
| 24) Indeno(1,2,3-cd)pyrene  | 25.72 | 276  | 2588m    | 0.057  | ng/ul |          |
| 26) Benzo(g,h,i)perylene    | 26.40 | 276  | 2156m    | 0.057  | ng/ul |          |

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

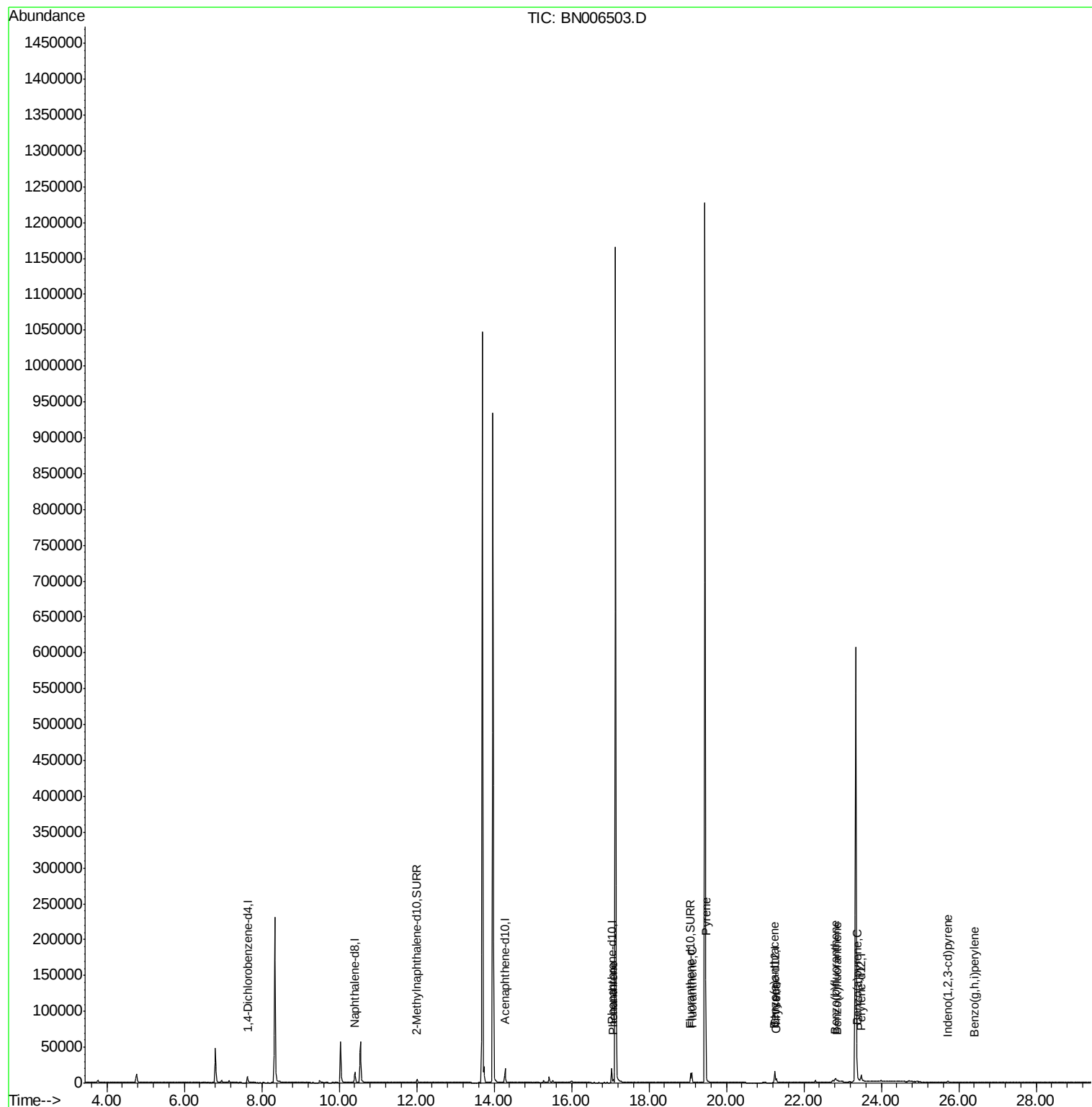
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062219\  
Data File : BN006503.D  
Acq On : 22 Jun 2019 23:17  
Operator : HP/JU  
Sample : K3360-09  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

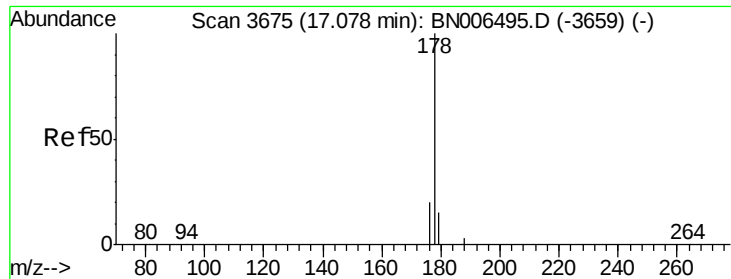
Instrument :  
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ClientSampleId :  
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Quant Time: Jun 24 09:13:47 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M  
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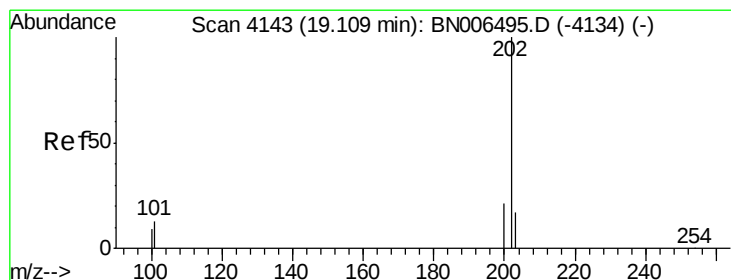
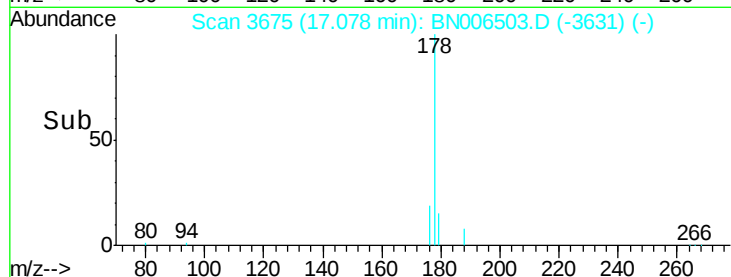
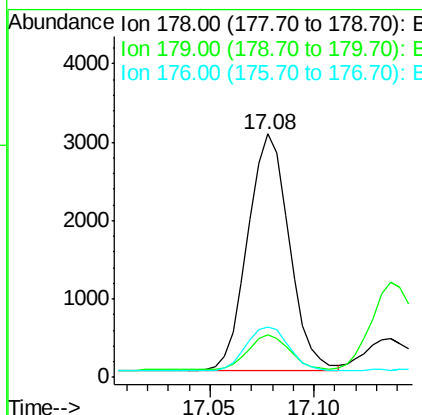
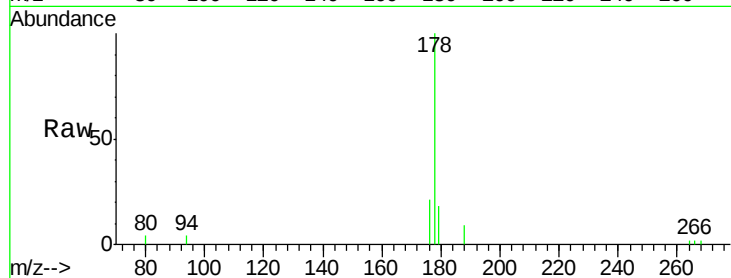
#12  
Phenanthrene  
Concen: 0.057 ng/ul  
RT: 17.08 min Scan# 3675  
Delta R.T. -0.01 min  
Lab File: BN006503.D  
Acq: 22 Jun 2019 23:17

Instrument :  
BNA\_N  
ClientSampleId :  
A41Y9

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 17.6  | 12.3  | 18.5  |
| 176     | 20.8  | 15.3  | 22.9  |

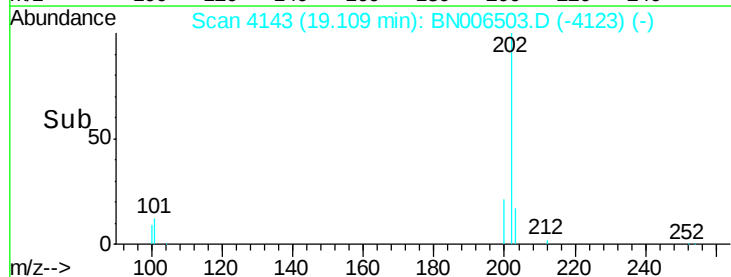
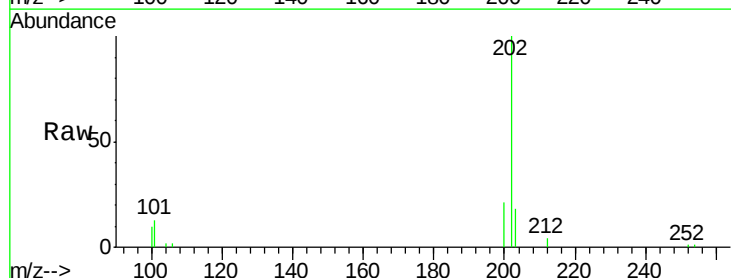
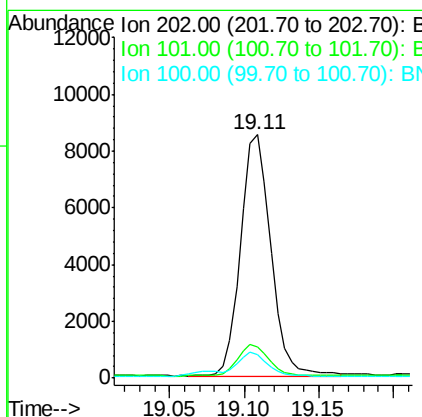
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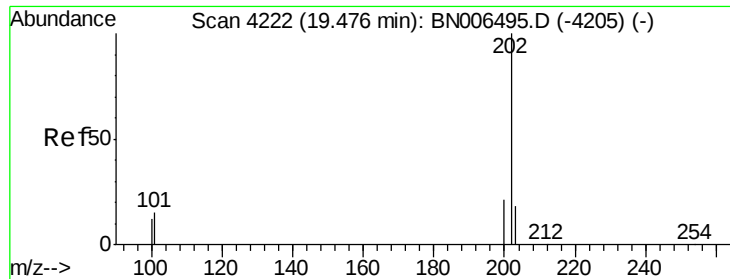
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#15  
Fluoranthene  
Concen: 0.151 ng/ul m  
RT: 19.11 min Scan# 4143  
Delta R.T. -0.01 min  
Lab File: BN006503.D  
Acq: 22 Jun 2019 23:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.0  | 0.0   | 32.1  |
| 100     | 9.7   | 0.0   | 28.7  |





#17

Pyrene

Concen: 0.199 ng/ul

RT: 19.47 min Scan# 4221

Delta R.T. -0.01 min

Lab File: BN006503.D

Acq: 22 Jun 2019 23:17

Instrument :

BNA\_N

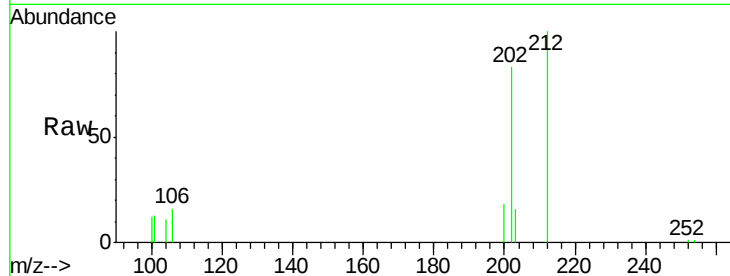
ClientSampleId :

A41Y9

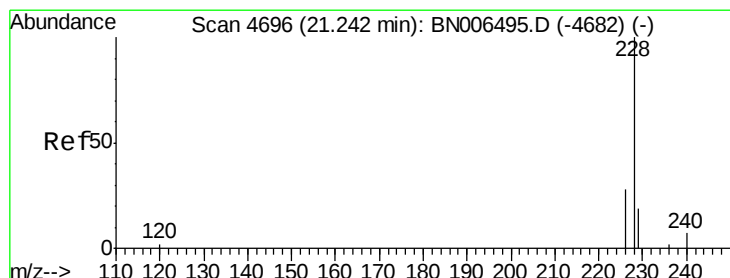
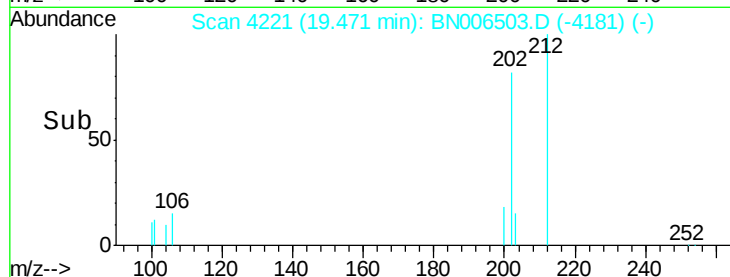
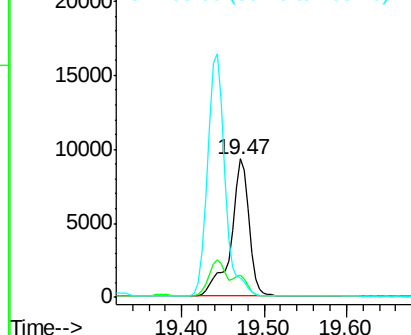
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 14020 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 16.2  | 12.2  | 18.2  |
| 100       | 14.2  | 9.8   | 14.6  |

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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): B



#18

Benzo(a)anthracene

Concen: 0.101 ng/ul

RT: 21.24 min Scan# 4694

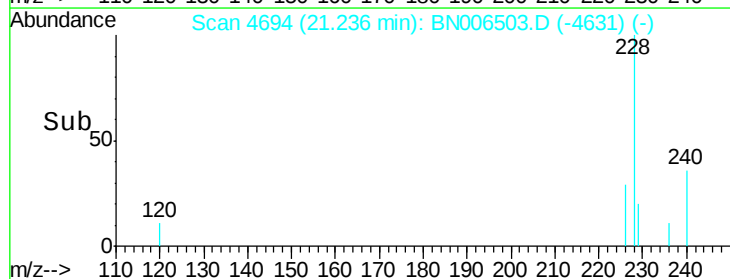
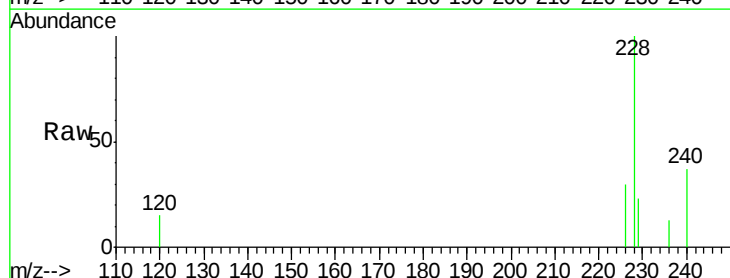
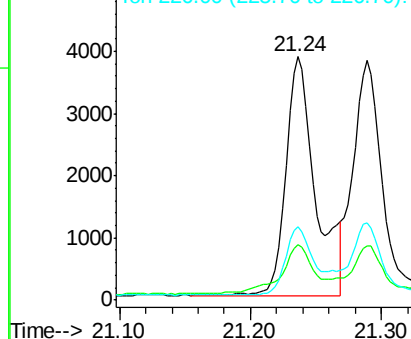
Delta R.T. -0.02 min

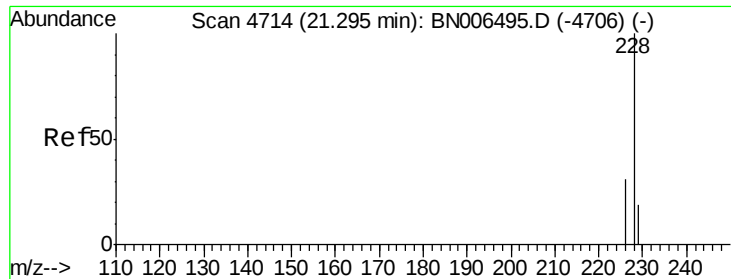
Lab File: BN006503.D

Acq: 22 Jun 2019 23:17

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 5989 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 229       | 22.6  | 16.5  | 24.7 |
| 226       | 30.4  | 22.8  | 34.2 |

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





#19

Chrysene

Concen: 0.107 ng/ul

RT: 21.29 min Scan# 4712

Delta R.T. -0.02 min

Lab File: BN006503.D

Acq: 22 Jun 2019 23:17

Instrument :

BNA\_N

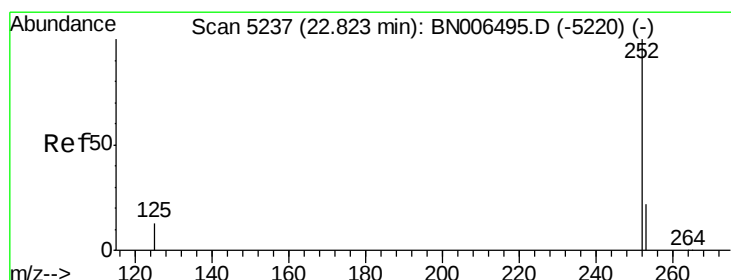
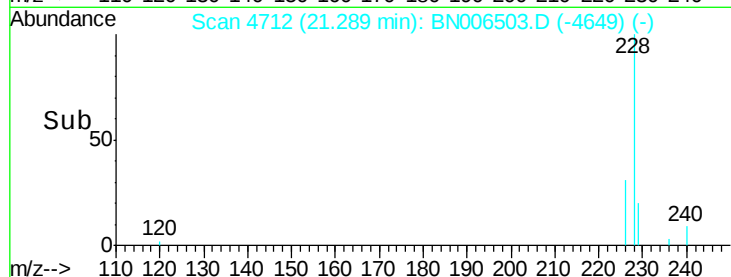
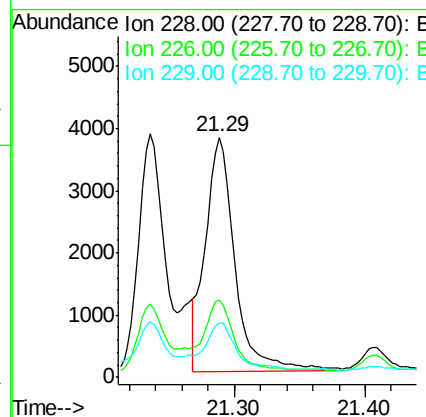
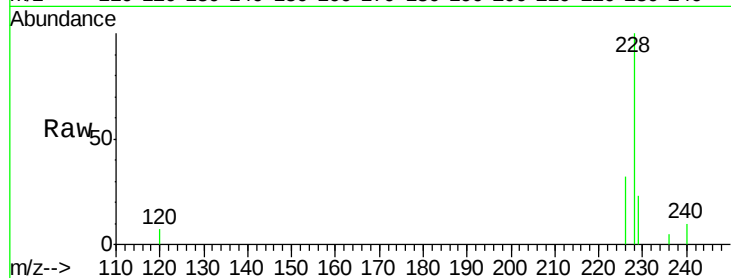
ClientSampleId :

A41Y9

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 5951 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 32.4  | 25.0  | 37.6 |
| 229       | 22.6  | 16.3  | 24.5 |

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#21

Benzo(b)fluoranthene

Concen: 0.158 ng/ul m

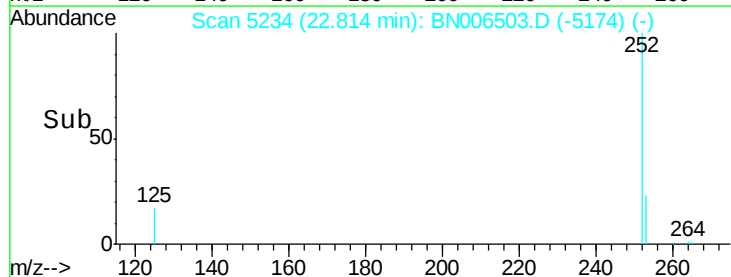
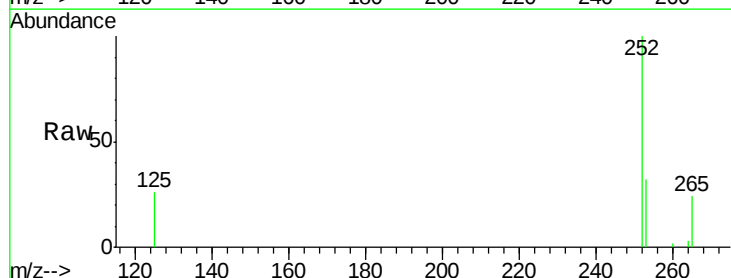
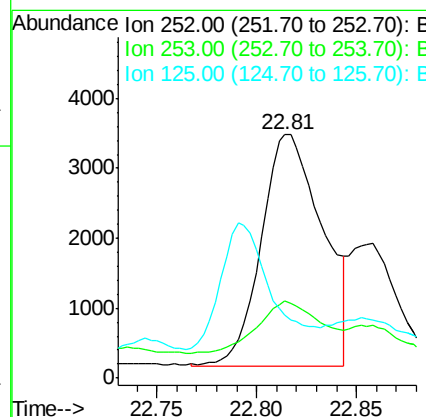
RT: 22.81 min Scan# 5234

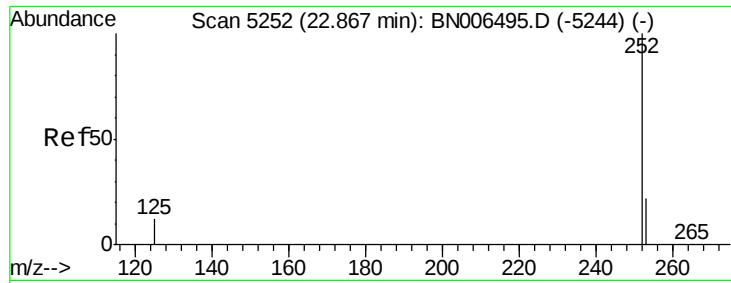
Delta R.T. -0.02 min

Lab File: BN006503.D

Acq: 22 Jun 2019 23:17

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 7067 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 31.8  | 0.0   | 51.4 |
| 125       | 25.8  | 0.0   | 41.0 |





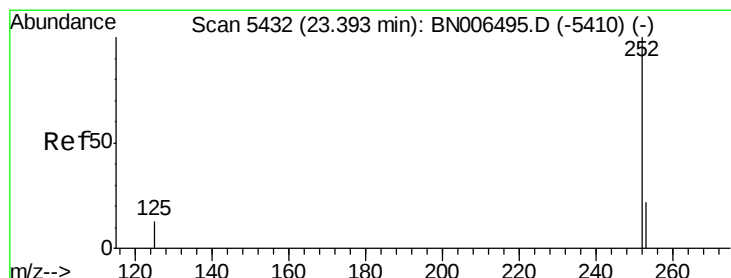
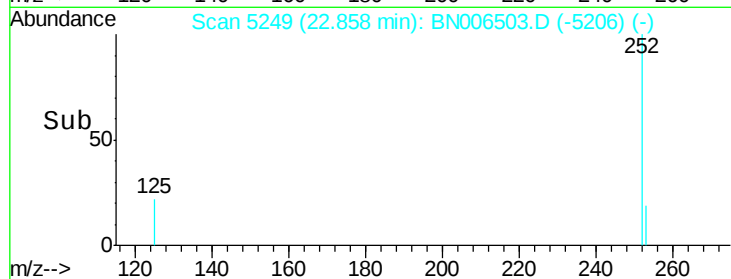
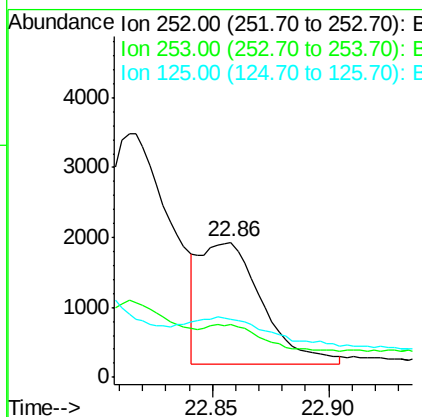
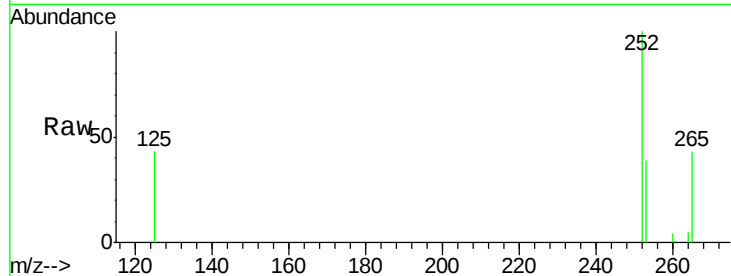
#22  
Benzo(k)fluoranthene  
Concen: 0.075 ng/ul m  
RT: 22.86 min Scan# 5249  
Delta R.T. -0.02 min  
Lab File: BN006503.D  
Acq: 22 Jun 2019 23:17

Instrument :  
BNA\_N  
ClientSampleId :  
A41Y9

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 38.8  | 20.3  | 30.5# |
| 125     | 43.3  | 14.3  | 21.5# |

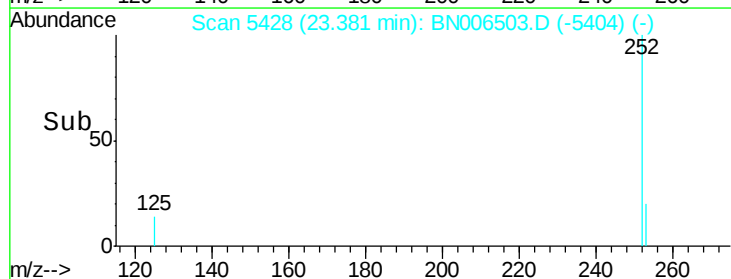
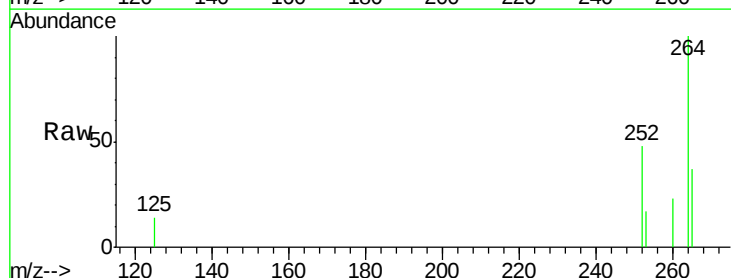
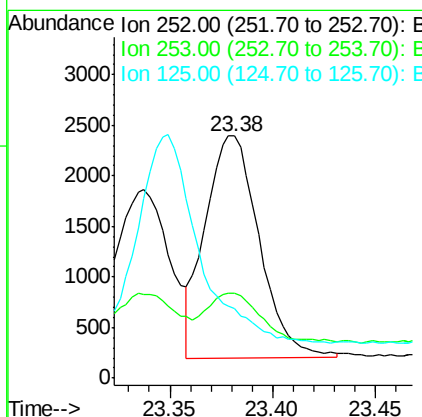
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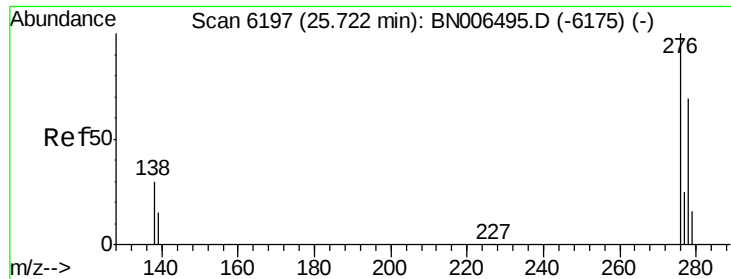
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#23  
Benzo(a)pyrene  
Concen: 0.096 ng/ul m  
RT: 23.38 min Scan# 5428  
Delta R.T. -0.03 min  
Lab File: BN006503.D  
Acq: 22 Jun 2019 23:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 35.0  | 21.1  | 31.7# |
| 125     | 28.6  | 20.3  | 30.5  |





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.057 ng/ul m

RT: 25.72 min Scan# 6195

Delta R.T. -0.03 min

Lab File: BN006503.D

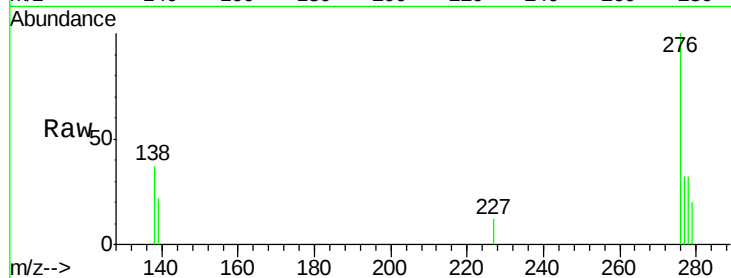
Acq: 22 Jun 2019 23:17

Instrument :

BNA\_N

ClientSampleId :

A41Y9



Tgt Ion: 276 Resp: 2588

Ion Ratio Lower Upper

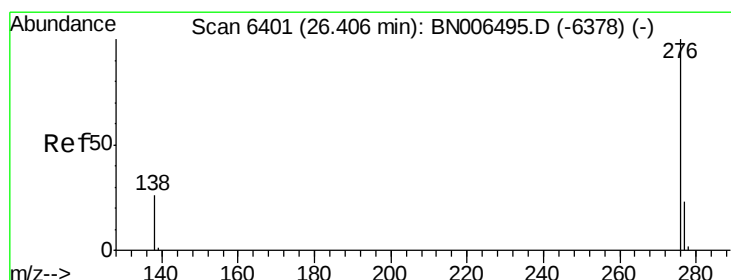
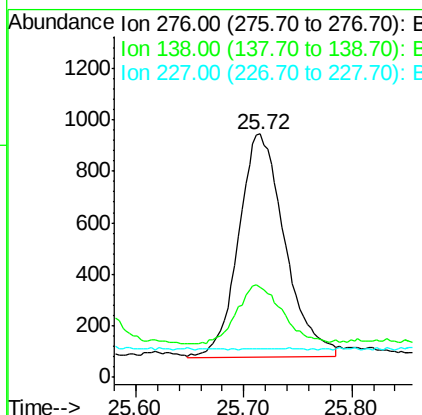
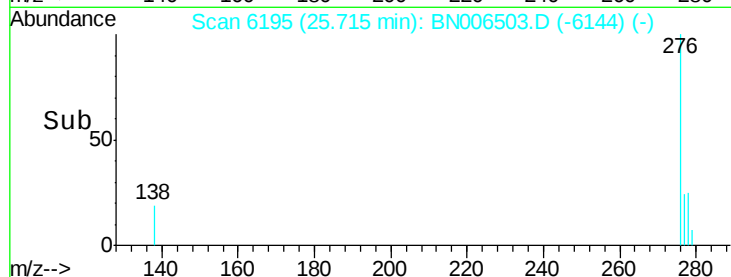
276 100

138 2.8 25.6 38.4#

227 0.3 0.3 0.5#

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#26

Benzo(g,h,i)perylene

Concen: 0.057 ng/ul m

RT: 26.40 min Scan# 6399

Delta R.T. -0.03 min

Lab File: BN006503.D

Acq: 22 Jun 2019 23:17

Tgt Ion: 276 Resp: 2156

Ion Ratio Lower Upper

276 100

138 40.0 24.2 36.4#

277 33.5 21.5 32.3#

