

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120618\  
 Data File : BN003752.D  
 Acq On : 07 Dec 2018 04:44  
 Operator : JU/SJ  
 Sample : J6227-13  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9E60

Manual Integrations  
 APPROVED

mohammad  
 12/10/2018 12:21:00 PM

Quant Time: Dec 07 06:11:50 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 07 04:08:50 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.84  | 152  | 5726     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.63 | 136  | 23662    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.47 | 164  | 12654    | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.21 | 188  | 27784m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.39 | 240  | 22354m   | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.70 | 264  | 17249m   | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.22 | 152  | 5921     | 0.16   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.24 | 212  | 13134m   | 0.16   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 17.25 | 178  | 2980     | 0.033  | ng/ul  | 93       |
| 17) Pyrene                  | 19.63 | 202  | 3193     | 0.040  | ng/ul# | 91       |
| 18) Benzo(a)anthracene      | 21.38 | 228  | 1550     | 0.022  | ng/ul# | 88       |
| 19) Chrysene                | 21.43 | 228  | 2543     | 0.031  | ng/ul# | 93       |
| 21) Benzo(b)fluoranthene    | 23.01 | 252  | 1628m    | 0.023  | ng/ul  |          |

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

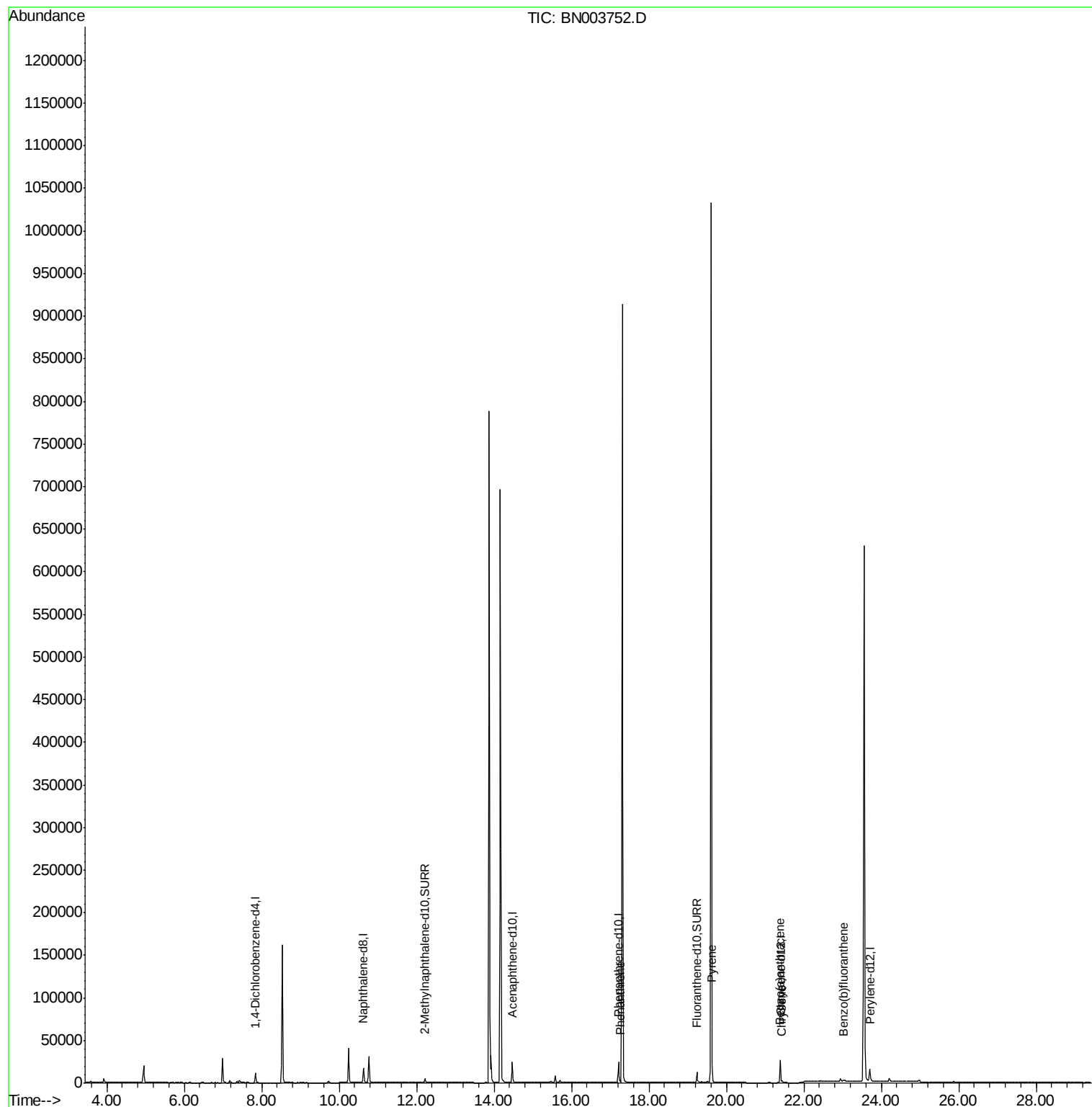
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120618\  
Data File : BN003752.D  
Acq On : 07 Dec 2018 04:44  
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Sample : J6227-13  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

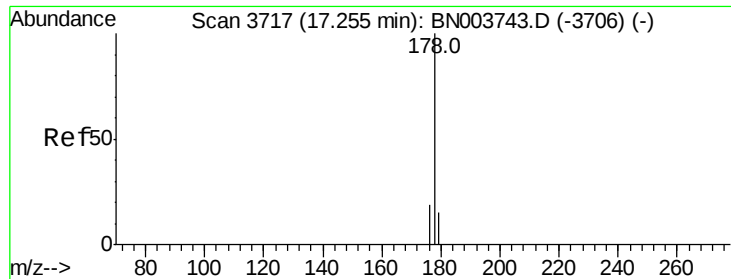
Instrument :  
BNA\_N  
ClientSampleId :  
F9E60

Quant Time: Dec 07 06:11:50 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M  
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#12

Phenanthrene

Concen: 0.033 ng/ul

RT: 17.25 min Scan# 3717

Delta R.T. 0.00 min

Lab File: BN003752.D

Acq: 07 Dec 2018 04:44

Instrument :

BNA\_N

ClientSampleId :

F9E60

Tot Ion:178 Resp: 2980

Ion Ratio Lower Upper

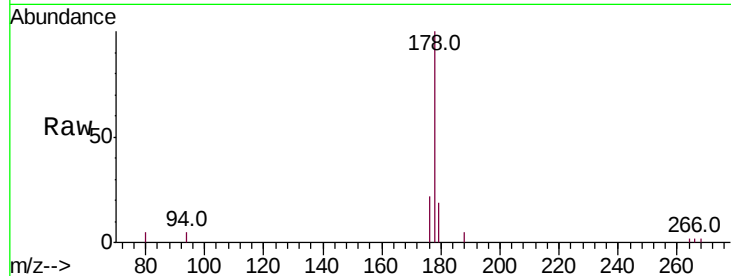
178 100

179 18.6 12.5 18.7

176 21.6 15.0 22.4

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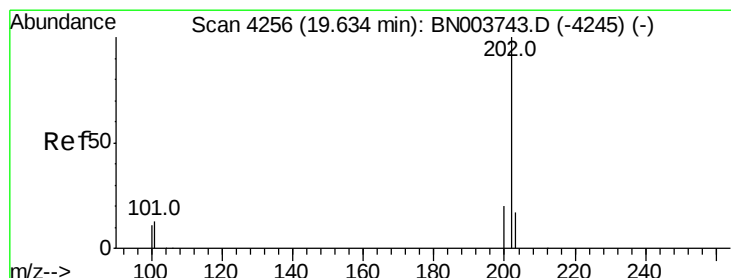
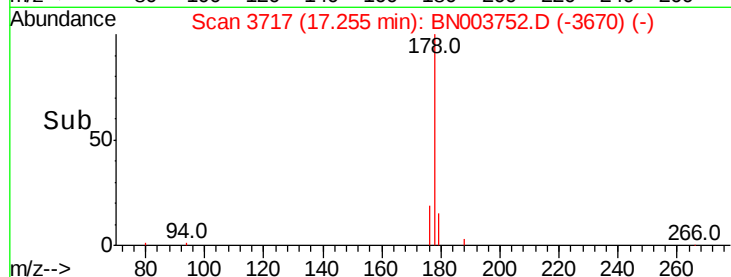
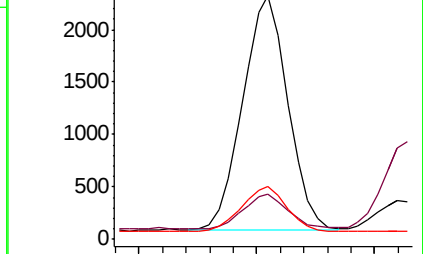
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#17

Pyrene

Concen: 0.040 ng/ul

RT: 19.63 min Scan# 4256

Delta R.T. 0.00 min

Lab File: BN003752.D

Acq: 07 Dec 2018 04:44

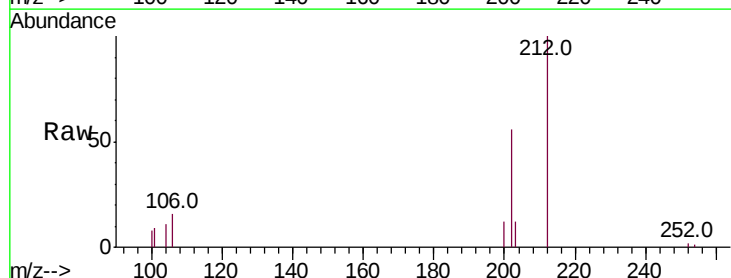
Tgt Ion:202 Resp: 3193

Ion Ratio Lower Upper

202 100

101 16.5 10.3 15.5#

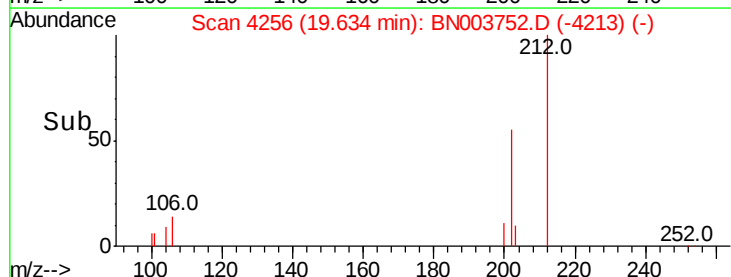
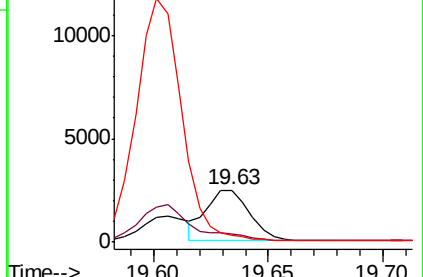
100 14.1 8.5 12.7#

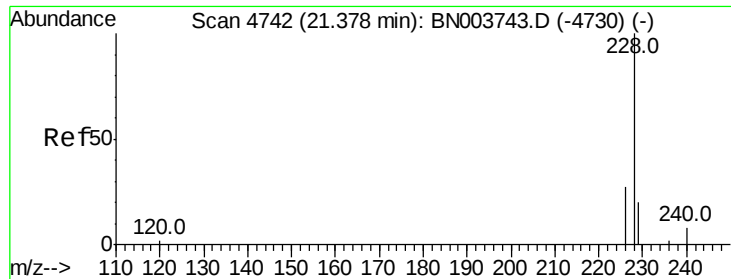


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.022 ng/ul

RT: 21.38 min Scan# 4741

Delta R.T. -0.00 min

Lab File: BN003752.D

Acq: 07 Dec 2018 04:44

Instrument :

BNA\_N

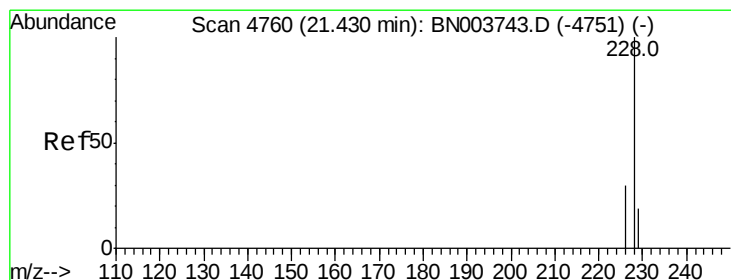
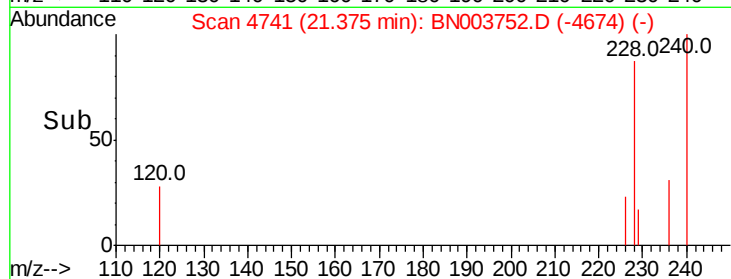
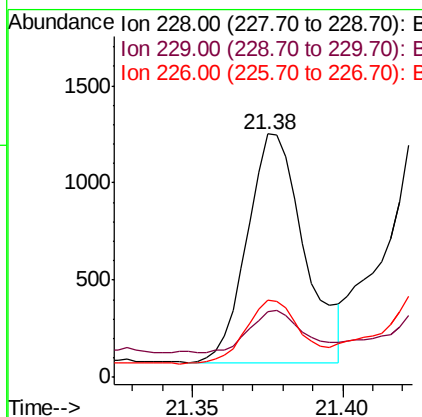
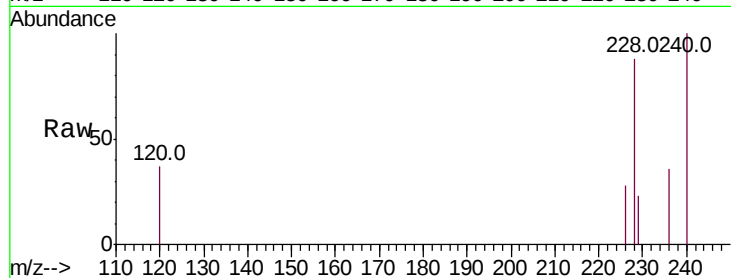
ClientSampleId :

F9E60

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 1550  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 26.7  | 15.6  | 23.4# |
| 226       | 31.4  | 21.1  | 31.7  |

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#19

Chrysene

Concen: 0.031 ng/ul

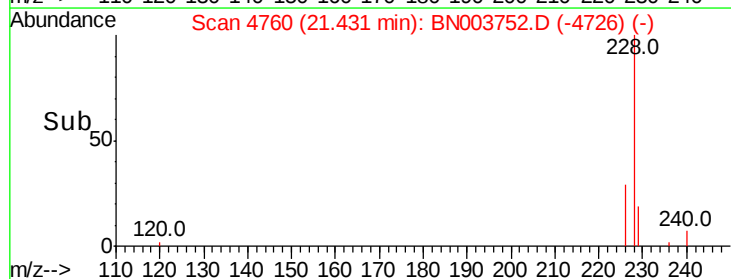
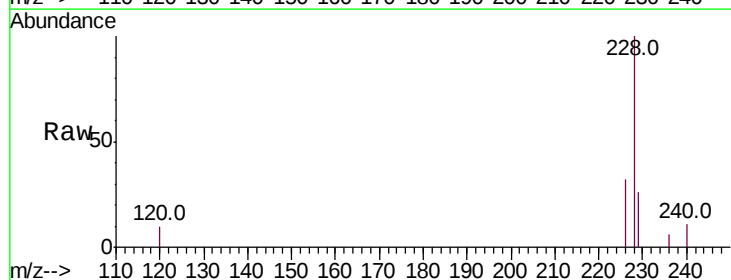
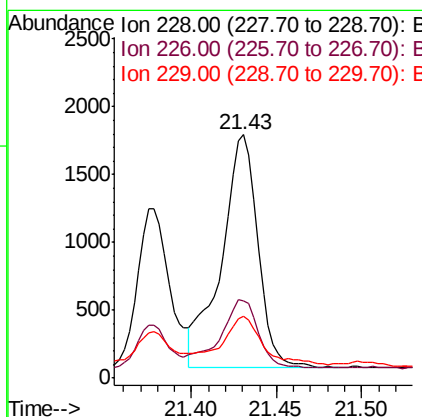
RT: 21.43 min Scan# 4760

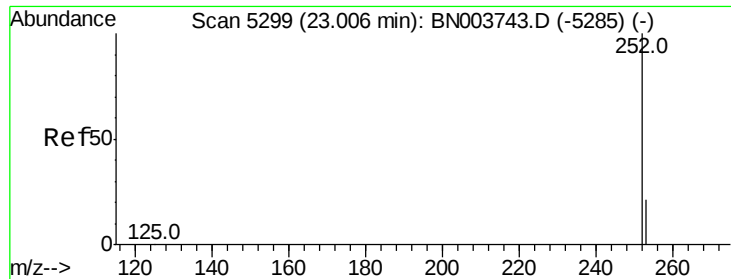
Delta R.T. 0.00 min

Lab File: BN003752.D

Acq: 07 Dec 2018 04:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 2543  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.8  | 24.0  | 36.0  |
| 229       | 25.6  | 15.7  | 23.5# |





#21

Benzo(b)fluoranthene

Concen: 0.023 ng/ul m

RT: 23.01 min Scan# 5299

Delta R.T. 0.00 min

Lab File: BN003752.D

Acq: 07 Dec 2018 04:44

Instrument :

BNA\_N

ClientSampleId :

F9E60

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 1628  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 61.7  | 0.0   | 46.0# |
| 125       | 53.2  | 0.0   | 22.4# |

Manual Integrations  
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