

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120718\  
 Data File : BN003772.D  
 Acq On : 07 Dec 2018 18:29  
 Operator : JU/SJ  
 Sample : J6228-20  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9E59

Manual Integrations  
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Sohil  
 12/11/2018 8:46:24 AM

Quant Time: Dec 08 00:57:11 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 : Sat Dec 08 00:32:32 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.84  | 152  | 4793     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.63 | 136  | 19914    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.47 | 164  | 11063    | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.21 | 188  | 24294m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.40 | 240  | 21916m   | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.71 | 264  | 16887m   | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.22 | 152  | 8837     | 0.29   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.23 | 212  | 20138m   | 0.28   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 5) 2-Methylnaphthalene      | 12.29 | 142  | 1221     | 0.031  | ng/ul  | 98       |
| 12) Phenanthrene            | 17.25 | 178  | 33991    | 0.426  | ng/ul  | 99       |
| 13) Anthracene              | 17.34 | 178  | 2083m    | 0.032  | ng/ul  |          |
| 15) Fluoranthene            | 19.27 | 202  | 5373m    | 0.057  | ng/ul  |          |
| 17) Pyrene                  | 19.63 | 202  | 19612m   | 0.250  | ng/ul  |          |
| 18) Benzo(a)anthracene      | 21.38 | 228  | 5549m    | 0.080  | ng/ul  |          |
| 19) Chrysene                | 21.43 | 228  | 9933     | 0.125  | ng/ul  | 96       |
| 21) Benzo(b)fluoranthene    | 23.01 | 252  | 2113m    | 0.030  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.61 | 252  | 2289     | 0.038  | ng/ul# | 54       |
| 26) Benzo(g,h,i)perylene    | 26.78 | 276  | 1304     | 0.022  | ng/ul# | 67       |

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

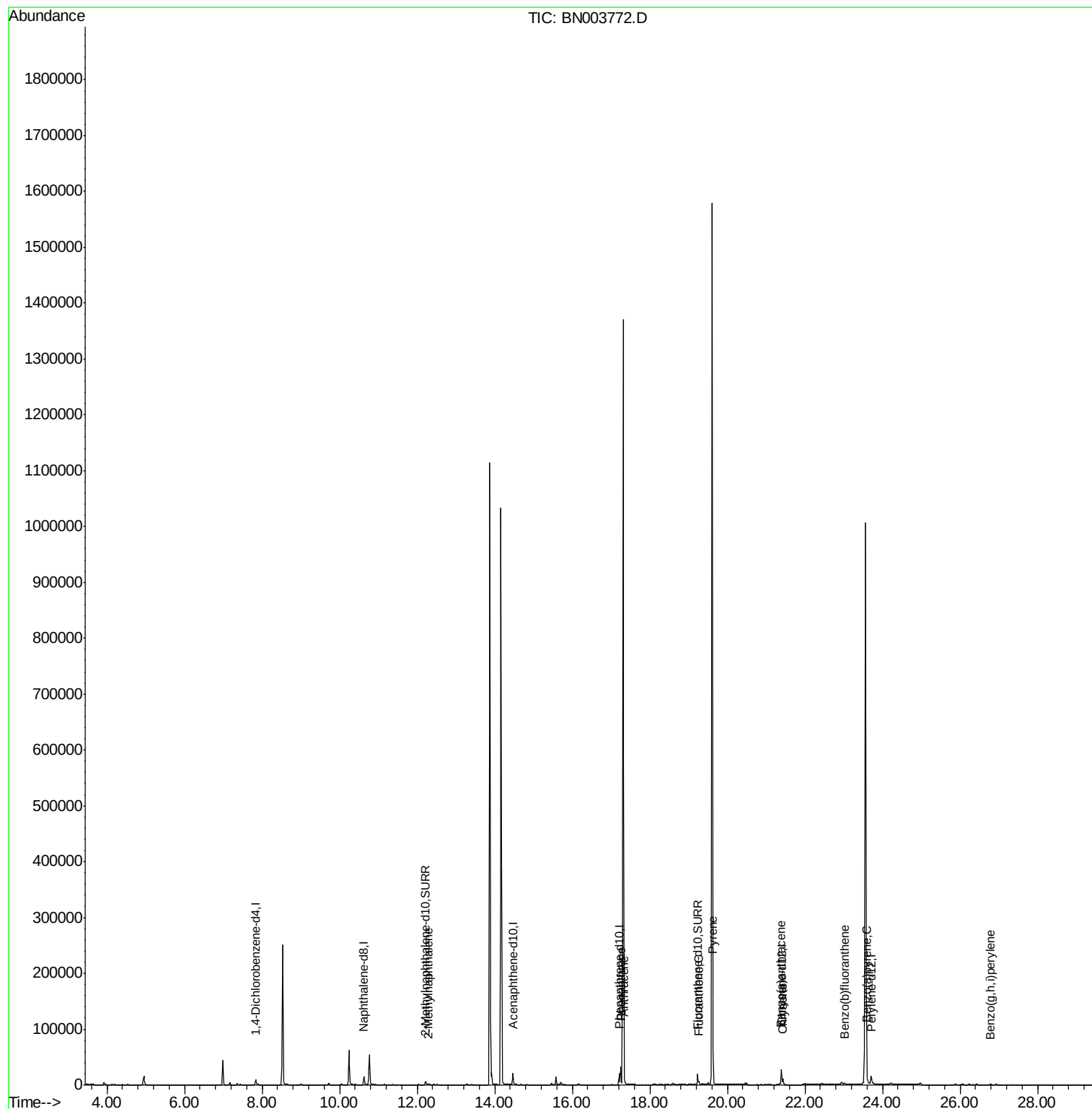
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120718\  
Data File : BN003772.D  
Acq On : 07 Dec 2018 18:29  
Operator : JU/SJ  
Sample : J6228-20  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

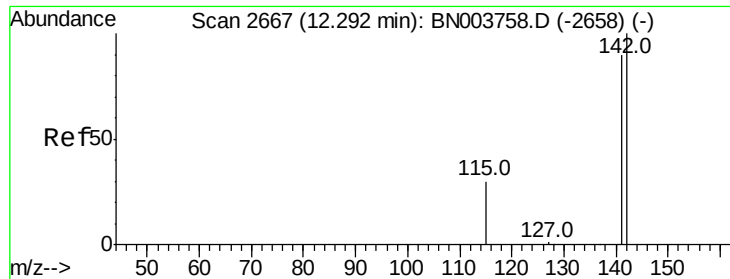
Instrument :  
BNA\_N  
ClientSampleId :  
F9E59

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12/11/2018 8:46:24 AM

Quant Time: Dec 08 00:57:11 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 : Sat Dec 08 00:32:32 2018  
Response via : Initial Calibration





#5

2-Methylnaphthalene

Concen: 0.031 ng/ul

RT: 12.29 min Scan# 2667

Delta R.T. -0.00 min

Lab File: BN003772.D

Acq: 07 Dec 2018 18:29

Instrument :

BNA\_N

ClientSampled :

F9E59

Tot Ion:142 Resp: 1221

Ion Ratio Lower Upper

142 100

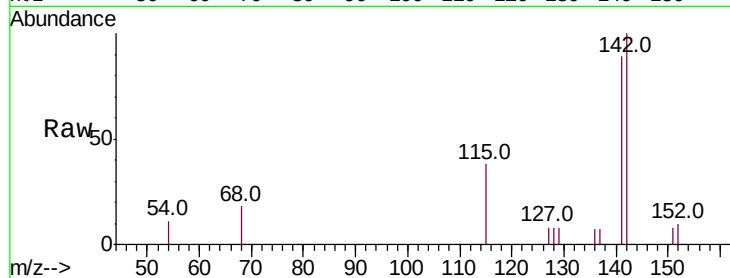
141 88.0 71.5 107.3

Manual Integrations

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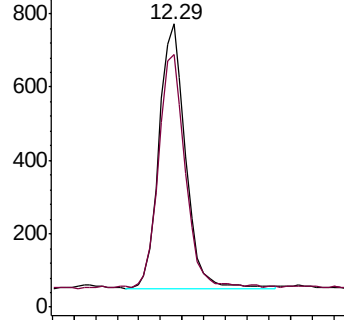
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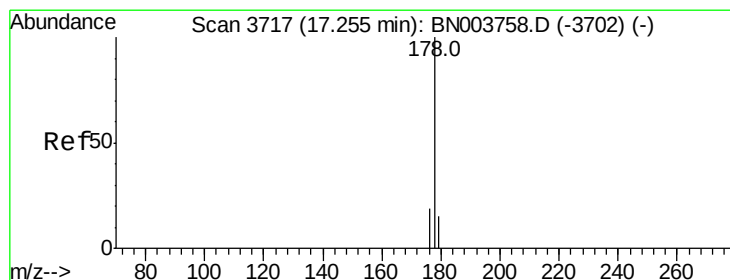
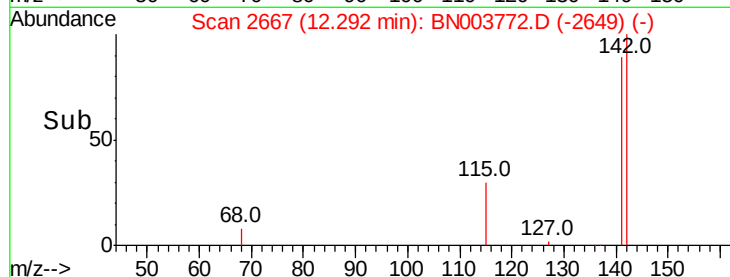


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#12

Phenanthrene

Concen: 0.426 ng/ul

RT: 17.25 min Scan# 3716

Delta R.T. -0.00 min

Lab File: BN003772.D

Acq: 07 Dec 2018 18:29

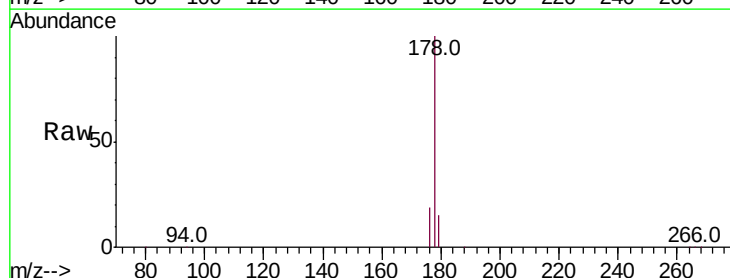
Tgt Ion:178 Resp: 33991

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

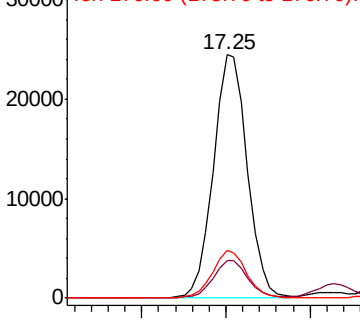
176 19.4 15.0 22.4



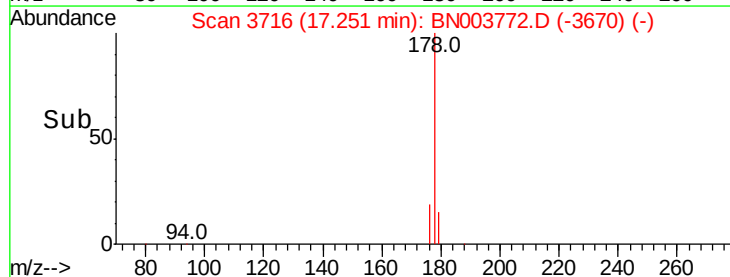
Abundance Ion 178.00 (177.70 to 178.70): E

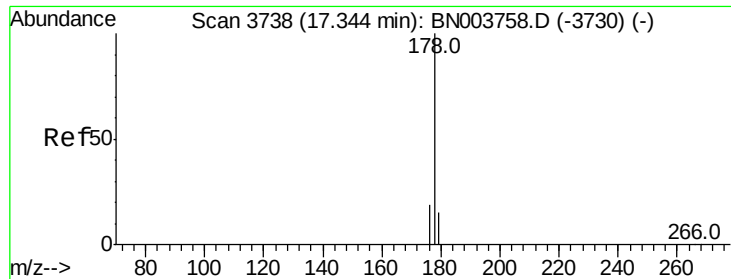
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





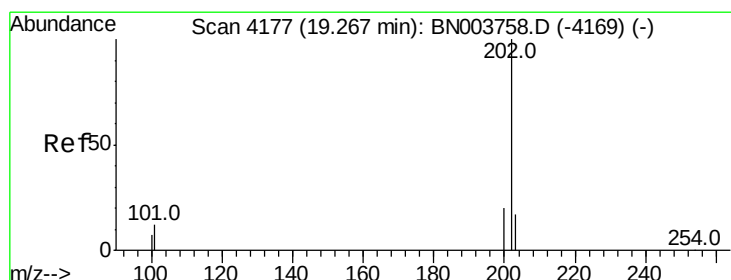
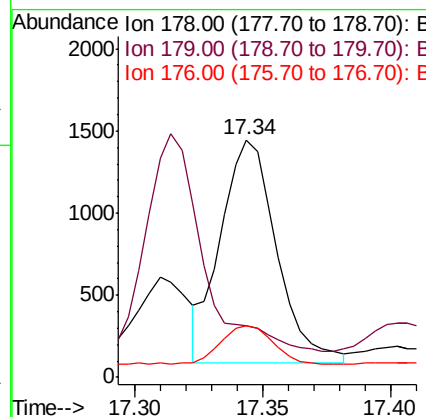
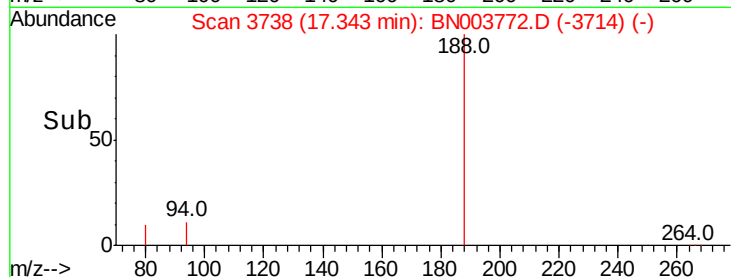
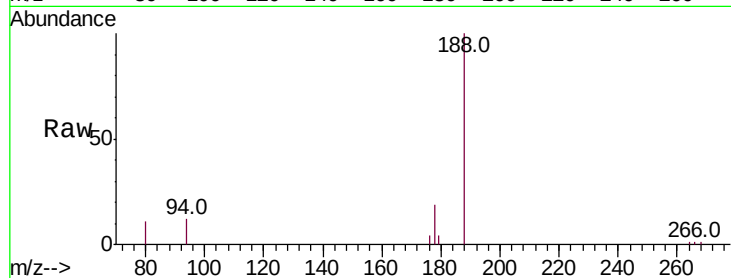
#13  
 Anthracene  
 Concen: 0.032 ng/ul m  
 RT: 17.34 min Scan# 3738  
 Delta R.T. -0.00 min  
 Lab File: BN003772.D  
 Acq: 07 Dec 2018 18:29

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9E59

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 22.0  | 12.3  | 18.5# |
| 176     | 22.0  | 14.8  | 22.2  |

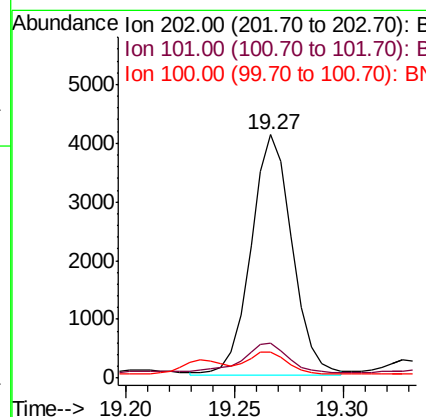
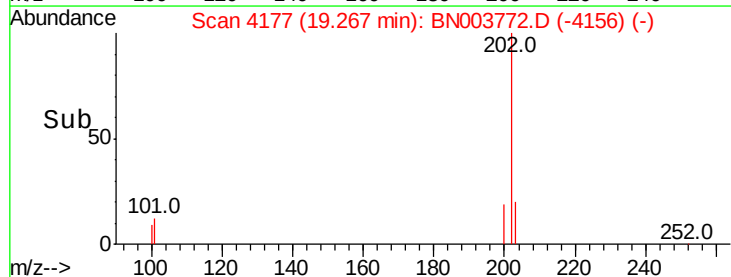
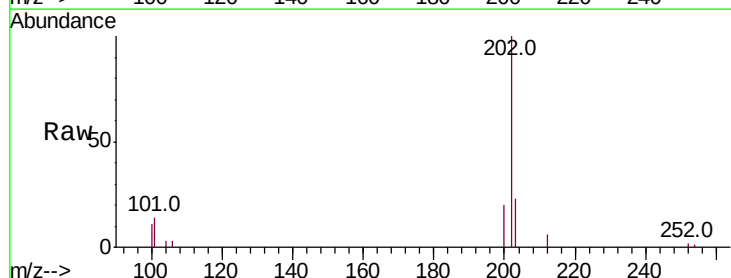
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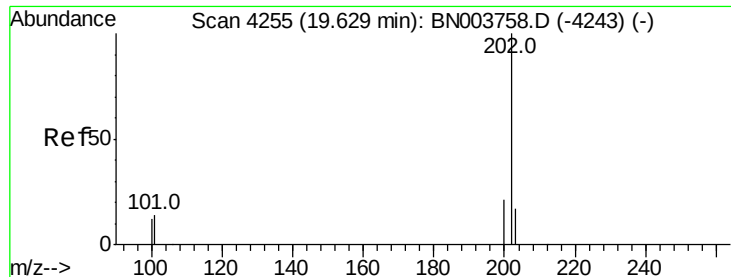
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#15  
 Fluoranthene  
 Concen: 0.057 ng/ul m  
 RT: 19.27 min Scan# 4177  
 Delta R.T. -0.00 min  
 Lab File: BN003772.D  
 Acq: 07 Dec 2018 18:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.4  | 0.0   | 30.7  |
| 100     | 10.5  | 0.0   | 28.1  |





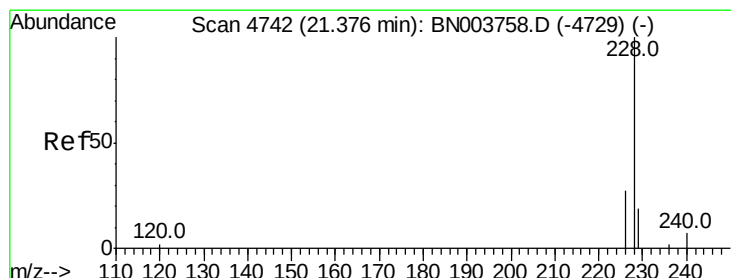
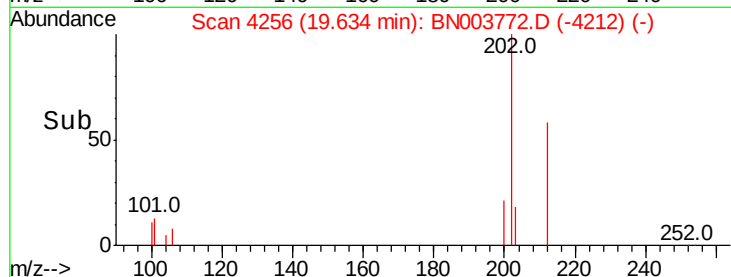
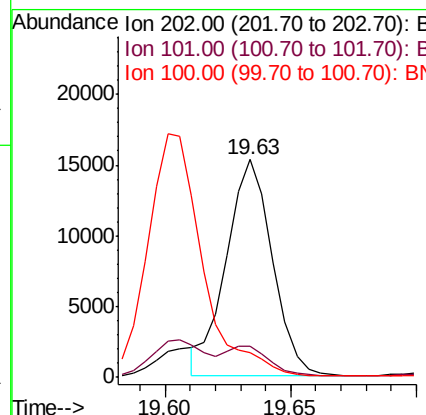
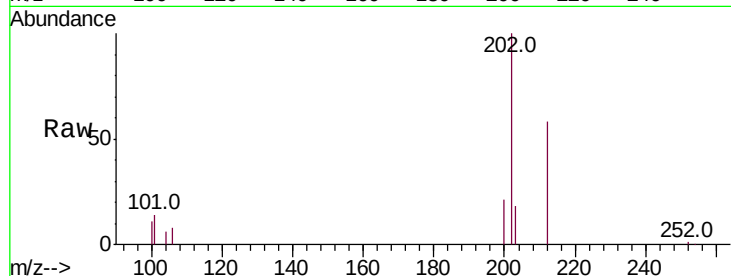
#17  
Pvrene  
Concen: 0.250 ng/ul m  
RT: 19.63 min Scan# 4256  
Delta R.T. 0.00 min  
Lab File: BN003772.D  
Acq: 07 Dec 2018 18:29

Instrument :  
BNA\_N  
ClientSampleId :  
F9E59

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 19612 |       |       |
| 101     | 14.2  |       | 10.3  | 15.5  |
| 100     | 11.4  |       | 8.5   | 12.7  |

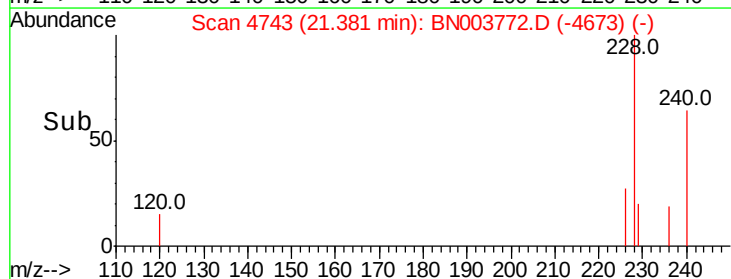
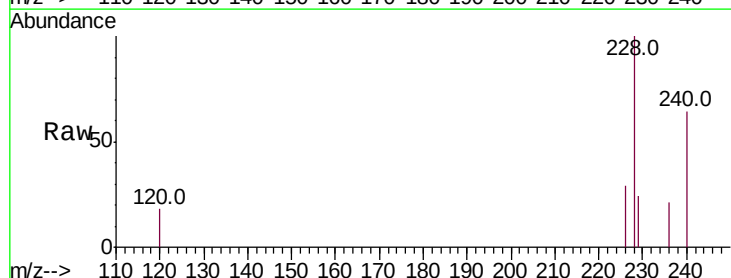
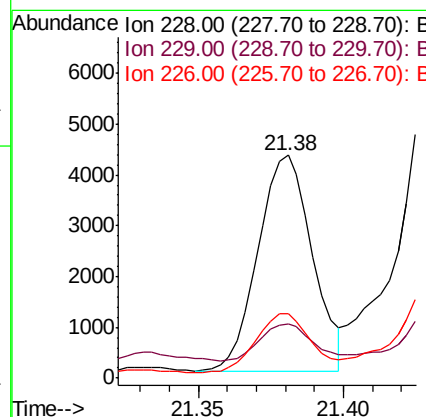
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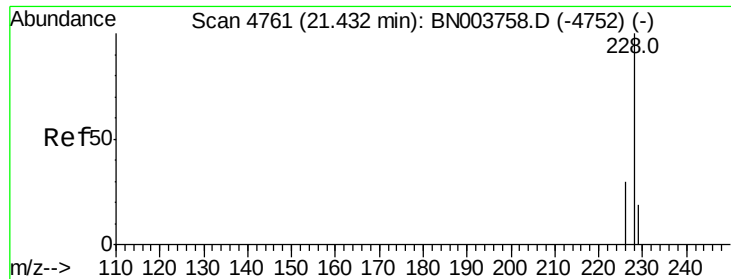
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#18  
Benzo(a)anthracene  
Concen: 0.080 ng/ul m  
RT: 21.38 min Scan# 4743  
Delta R.T. 0.00 min  
Lab File: BN003772.D  
Acq: 07 Dec 2018 18:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 228     | 100   | 5549 |       |       |
| 229     | 24.1  |      | 15.6  | 23.4# |
| 226     | 28.8  |      | 21.1  | 31.7  |





#19

Chrysene

Concen: 0.125 ng/ul

RT: 21.43 min Scan# 4761

Delta R.T. 0.00 min

Lab File: BN003772.D

Acq: 07 Dec 2018 18:29

Instrument :

BNA\_N

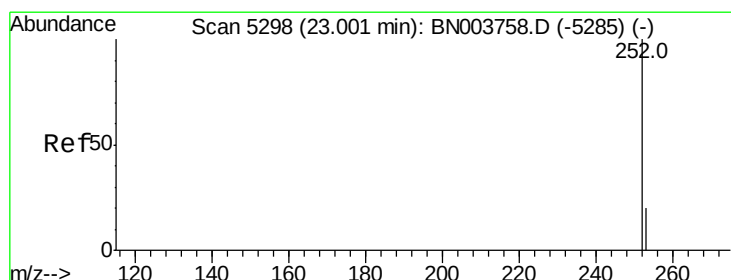
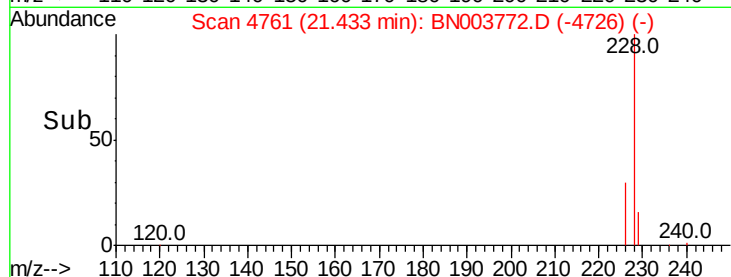
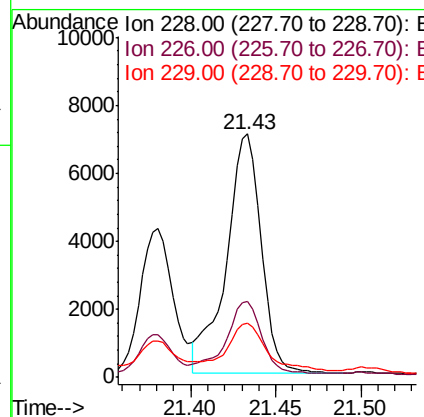
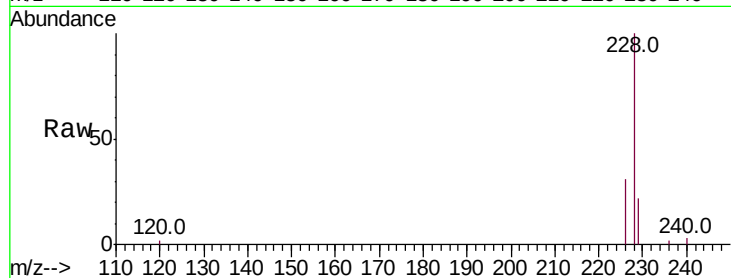
ClientSampled :

F9E59

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 228   | Resp: | 9933 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 31.1  | 24.0  | 36.0 |
| 229       | 22.4  | 15.7  | 23.5 |

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#21

Benzo(b)fluoranthene

Concen: 0.030 ng/ul m

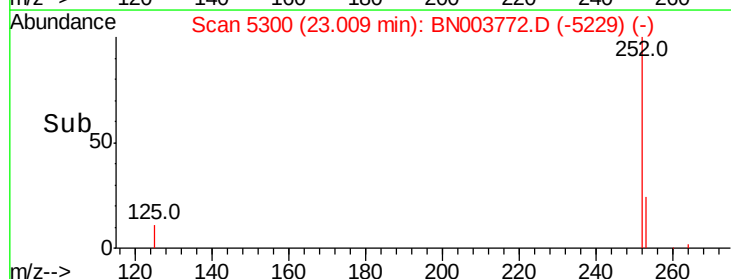
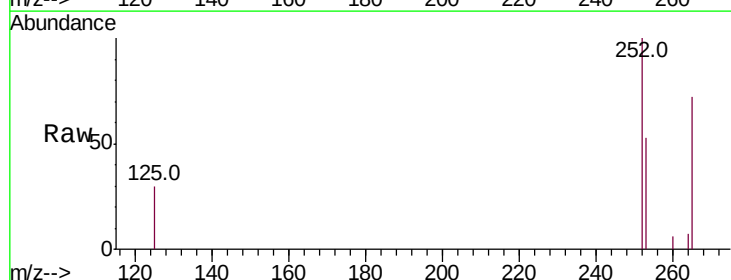
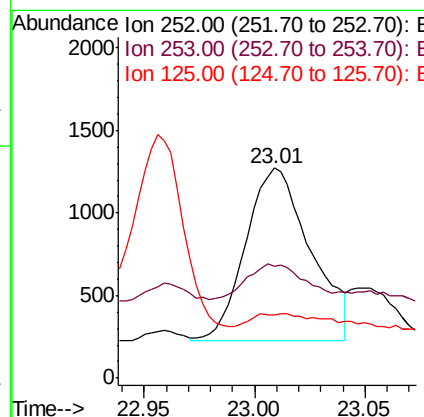
RT: 23.01 min Scan# 5300

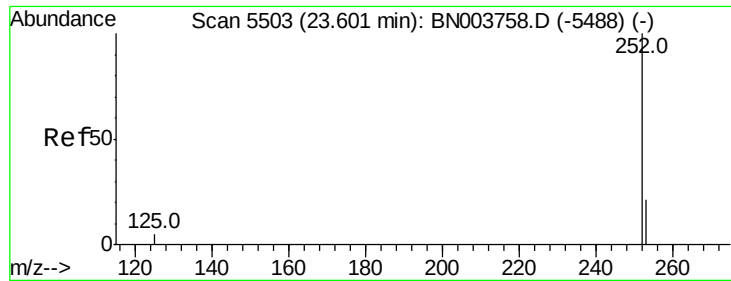
Delta R.T. 0.01 min

Lab File: BN003772.D

Acq: 07 Dec 2018 18:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 2113  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 53.1  | 0.0   | 46.0# |
| 125       | 30.2  | 0.0   | 22.4# |





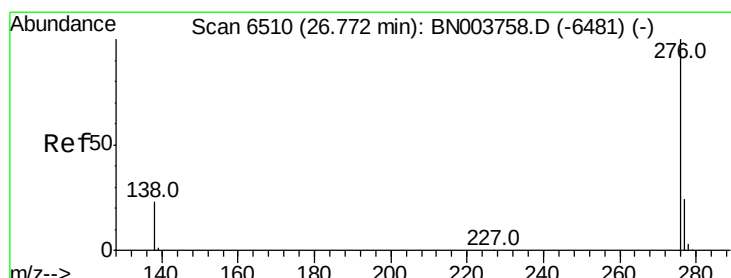
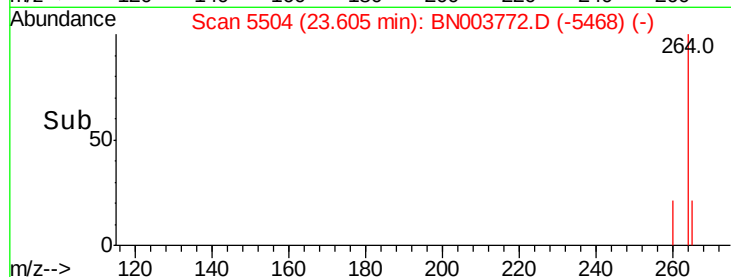
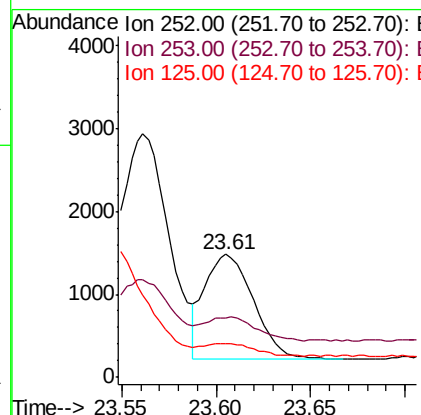
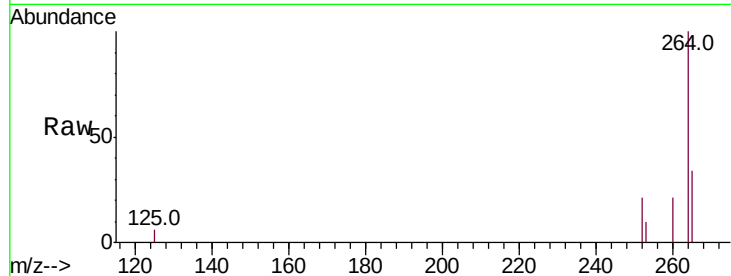
#23  
Benzo(a)pyrene  
Concen: 0.038 ng/ul  
RT: 23.61 min Scan# 5504  
Delta R.T. 0.00 min  
Lab File: BN003772.D  
Acq: 07 Dec 2018 18:29

Instrument :  
BNA\_N  
ClientSampled :  
F9E59

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 48.6  | 19.0  | 28.4# |
| 125     | 27.7  | 10.2  | 15.4# |

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#26  
Benzo(g,h,i)perylene  
Concen: 0.022 ng/ul  
RT: 26.78 min Scan# 6512  
Delta R.T. 0.01 min  
Lab File: BN003772.D  
Acq: 07 Dec 2018 18:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 40.9  | 17.7  | 26.5# |
| 277     | 37.9  | 19.3  | 28.9# |

