

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN100220\  
 Data File : BN012042.D  
 Acq On : 02 Oct 2020 18:29  
 Operator : CG/JU  
 Sample : L4166-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AB4

Quant Time: Oct 03 02:14:09 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100220.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 03 02:12:24 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 341243   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 1311228  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.30 | 164  | 776079   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.05 | 188  | 1550607  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.25 | 240  | 1640692  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.46 | 264  | 1898295  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 22942   | 2.93  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.83  | 99  | 310837  | 10.91 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 231897  | 13.25 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 263278  | 11.43 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 248757  | 11.10 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 135111  | 12.98 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.52  | 143 | 132599  | 11.78 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 233493  | 10.81 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.57 | 131 | 293070  | 11.51 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.71 | 166 | 823190  | 13.52 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.99 | 160 | 887431  | 12.21 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.49 | 143 | 69138   | 6.17  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.29 | 176 | 658747  | 12.40 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 81583   | 8.24  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.15 | 188 | 917652  | 12.20 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.45 | 212 | 1014038 | 11.75 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.31 | 264 | 1235413 | 11.60 | ng/ul | 0.00 |

## Target Compounds

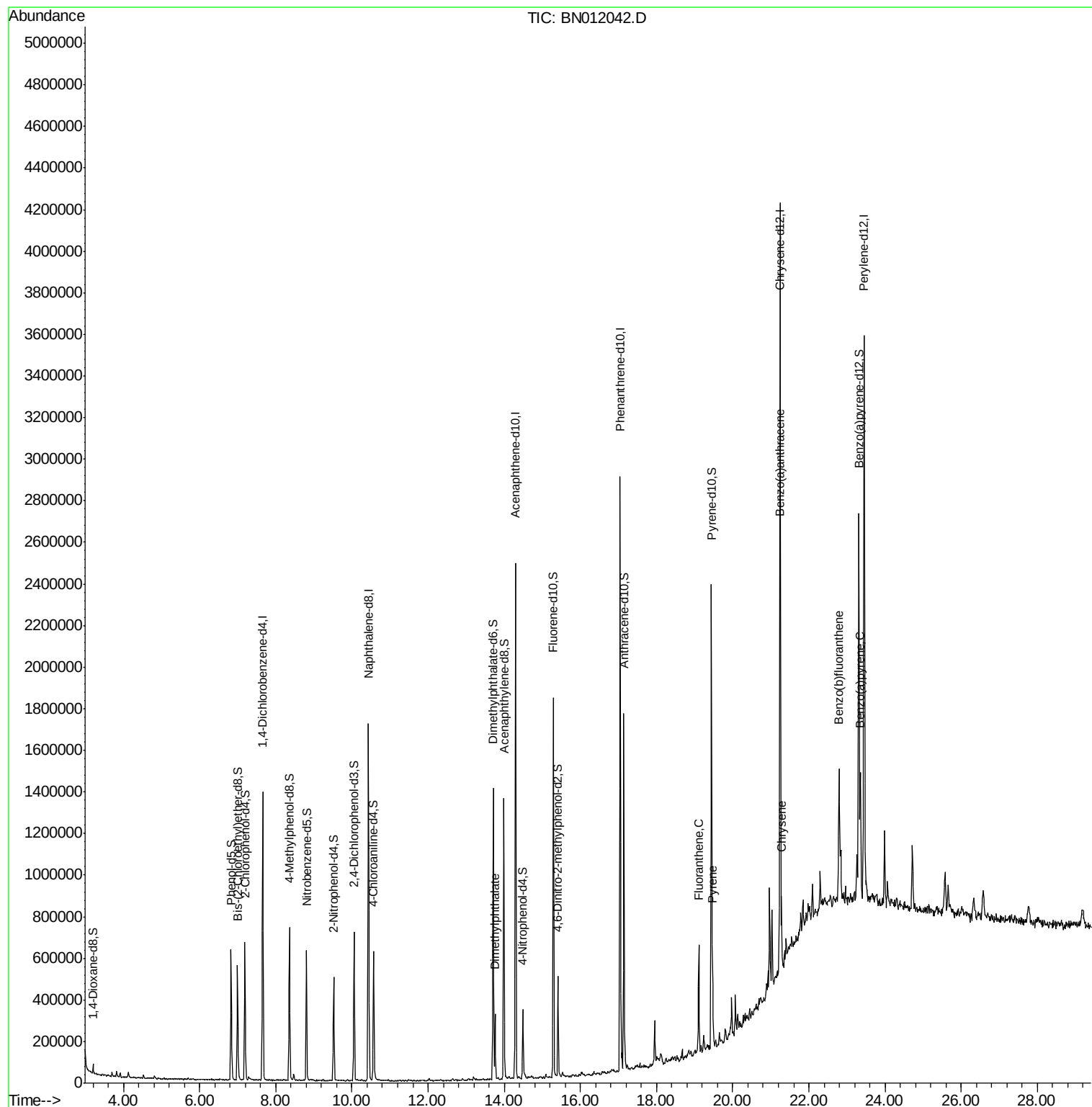
|                          |       |     |        |       | Ovalue |    |
|--------------------------|-------|-----|--------|-------|--------|----|
| 45) Dimethylphthalate    | 13.76 | 163 | 178771 | 2.850 | ng/ul  | 98 |
| 77) Fluoranthene         | 19.11 | 202 | 291272 | 2.745 | ng/ul  | 96 |
| 80) Pyrene               | 19.47 | 202 | 254927 | 2.154 | ng/ul  | 99 |
| 83) Benzo(a)anthracene   | 21.23 | 228 | 127336 | 1.152 | ng/ul# | 93 |
| 85) Chrysene             | 21.28 | 228 | 185725 | 1.709 | ng/ul  | 94 |
| 88) Benzo(b)fluoranthene | 22.79 | 252 | 341707 | 2.570 | ng/ul# | 96 |
| 91) Benzo(a)pyrene       | 23.35 | 252 | 186923 | 1.550 | ng/ul  | 94 |

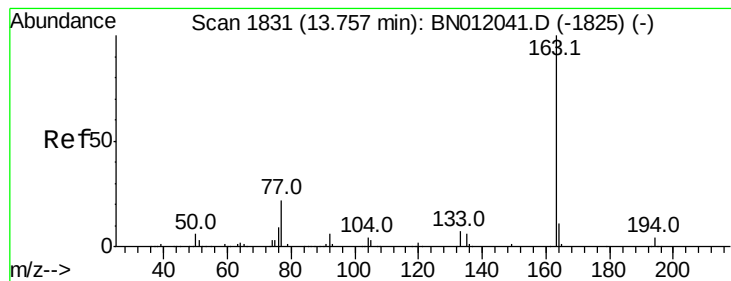
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 02:14:09 2020  
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Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 03 02:12:24 2020  
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 2.850 ng/ul

RT: 13.76 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BN012042.D

Acq: 02 Oct 2020 18:29

Instrument :

BNA\_N

ClientSampleId :

C0AB4

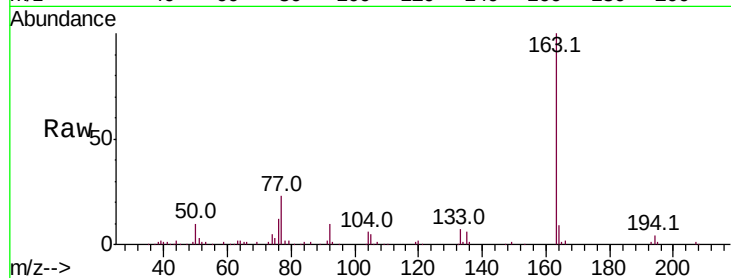
Tot Ion:163 Resp: 178771

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

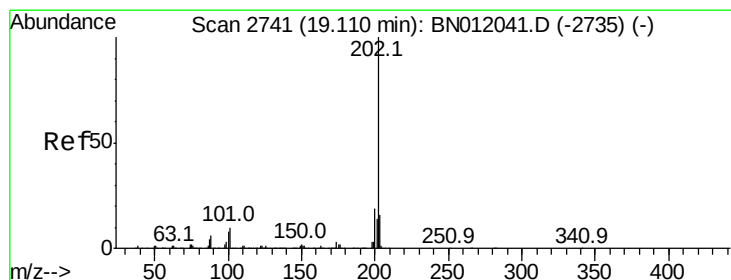
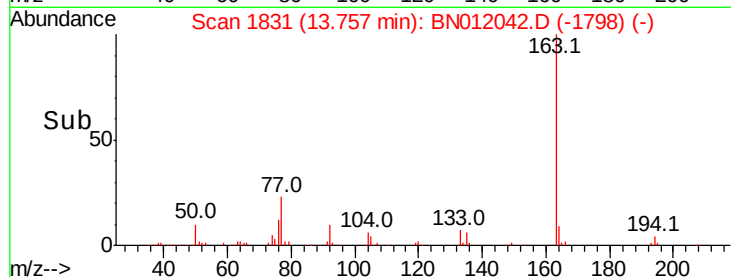
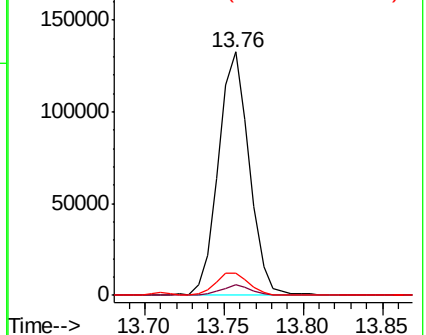
164 8.9 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#77

Fluoranthene

Concen: 2.745 ng/ul

RT: 19.11 min Scan# 2741

Delta R.T. 0.00 min

Lab File: BN012042.D

Acq: 02 Oct 2020 18:29

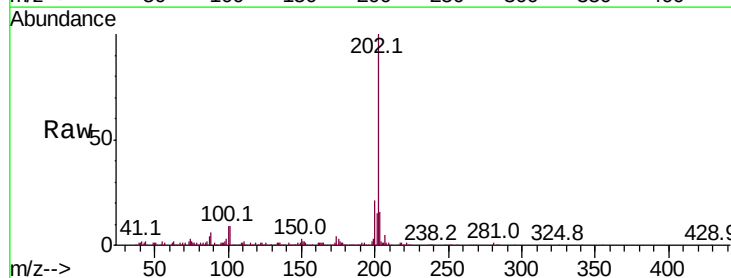
Tgt Ion:202 Resp: 291272

Ion Ratio Lower Upper

202 100

101 8.7 8.6 13.0

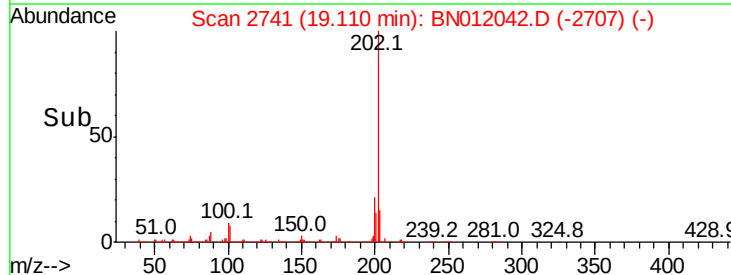
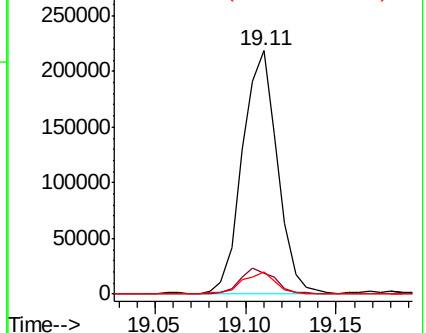
100 9.0 6.6 9.8

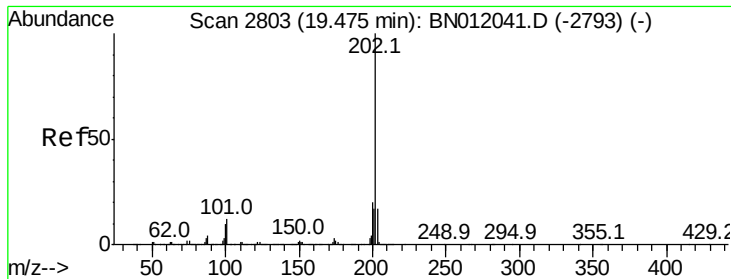


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

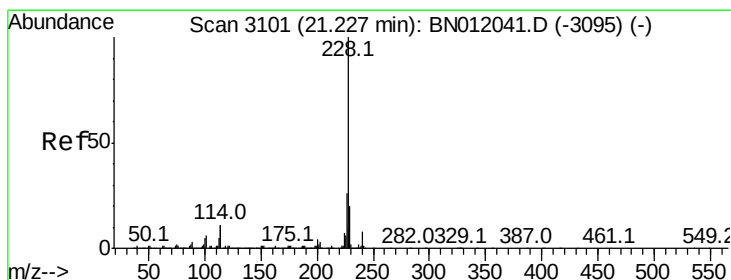
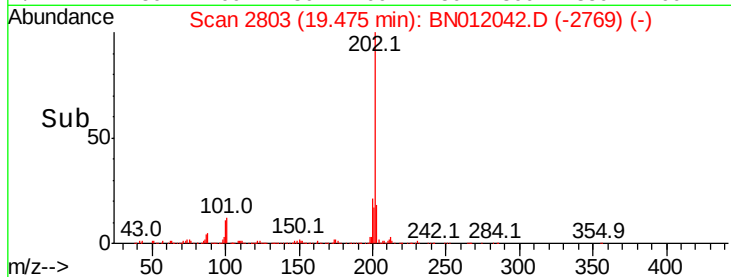
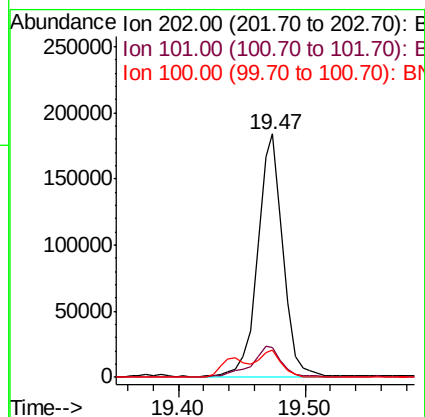
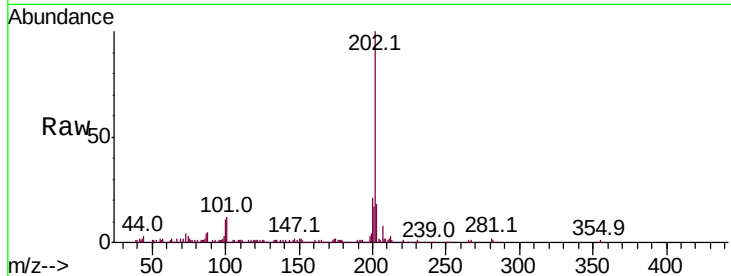




#80  
Pvrene  
Concen: 2.154 ng/ul  
RT: 19.47 min Scan# 2803  
Delta R.T. 0.00 min  
Lab File: BN012042.D  
Acq: 02 Oct 2020 18:29

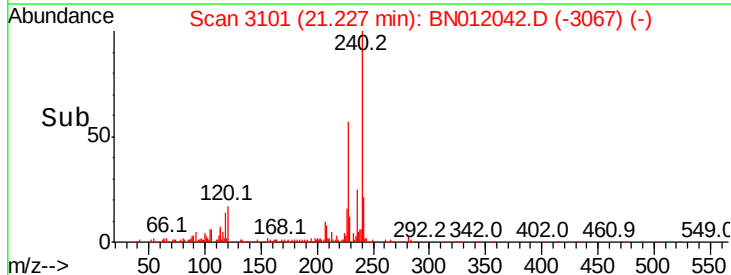
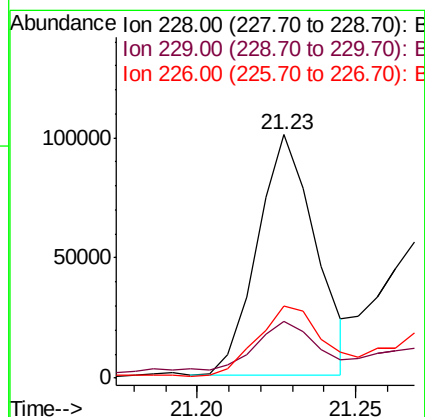
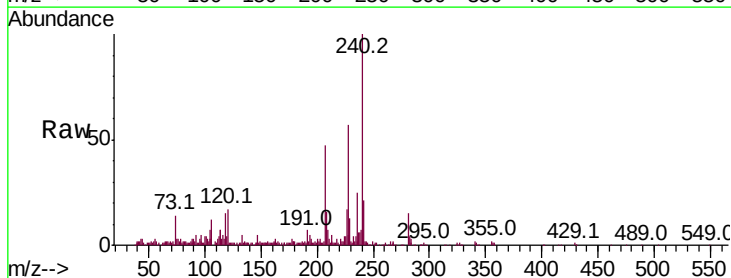
Instrument :  
BNA\_N  
ClientSampleId :  
C0AB4

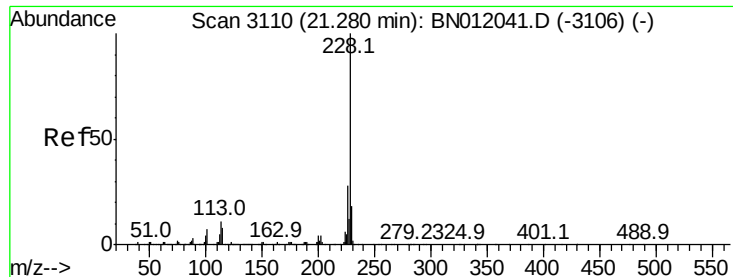
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.2  | 10.2  | 15.2  |
| 100     | 11.1  | 8.8   | 13.2  |



#83  
Benzo(a)anthracene  
Concen: 1.152 ng/ul  
RT: 21.23 min Scan# 3101  
Delta R.T. 0.00 min  
Lab File: BN012042.D  
Acq: 02 Oct 2020 18:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 23.5  | 15.4  | 23.2# |
| 226     | 29.4  | 21.2  | 31.8  |





#85

Chrysene

Concen: 1.709 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BN012042.D

Acq: 02 Oct 2020 18:29

Instrument :

BNA\_N

ClientSampleId :

C0AB4

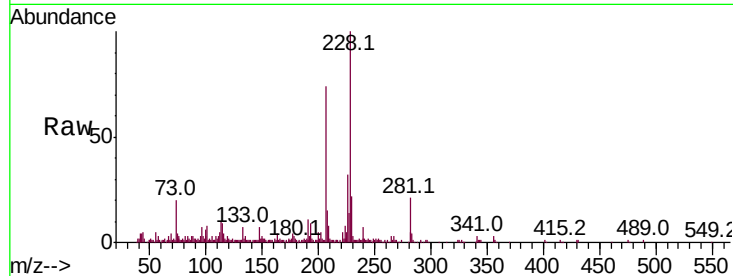
Tot Ion:228 Resp: 185725

Ion Ratio Lower Upper

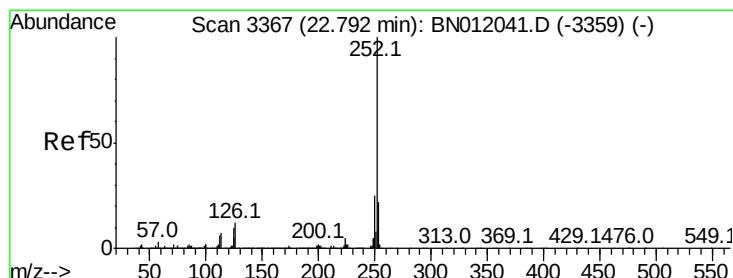
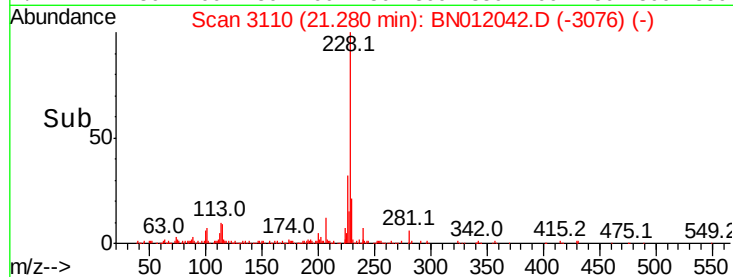
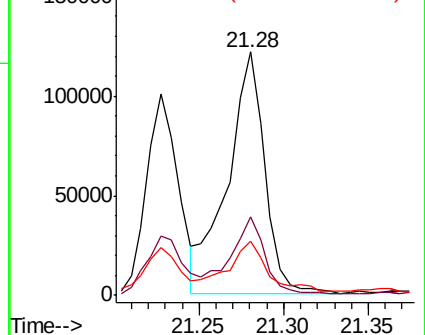
228 100

226 32.2 23.3 34.9

229 22.0 15.0 22.4



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 2.570 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. 0.00 min

Lab File: BN012042.D

Acq: 02 Oct 2020 18:29

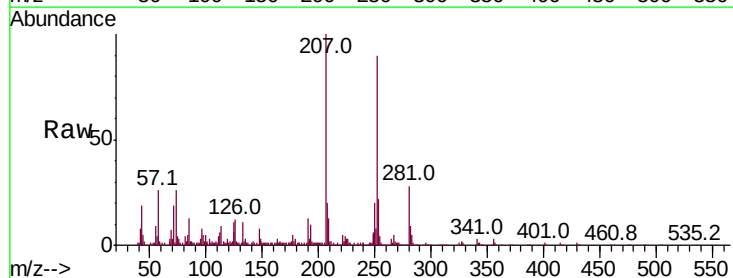
Tgt Ion:252 Resp: 341707

Ion Ratio Lower Upper

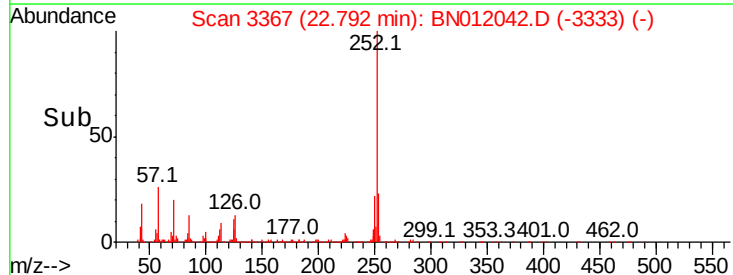
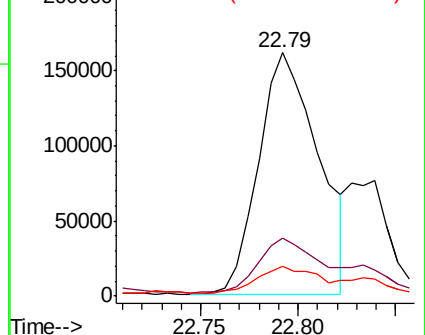
252 100

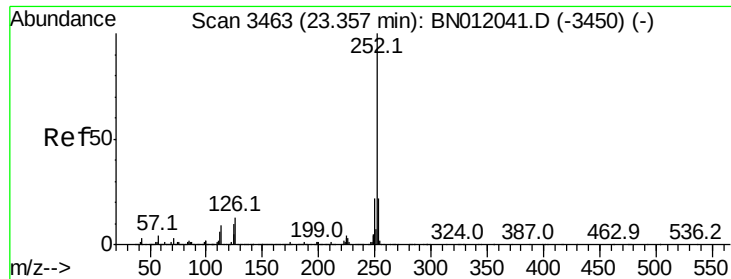
253 23.9 17.8 26.8

125 12.3 8.1 12.1#



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





#91

Benzo(a)pyrene

Concen: 1.550 ng/ul

RT: 23.35 min Scan# 3462

Delta R.T. -0.01 min

Lab File: BN012042.D

Acq: 02 Oct 2020 18:29

Instrument :

BNA\_N

ClientSampleId :

C0AB4

Tot Ion:252 Resp: 186923

Ion Ratio Lower Upper

252 100

253 23.3 16.6 24.8

125 13.5 9.0 13.6

