

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
 Data File : BN002714.D  
 Acq On : 15 Sep 2018 06:00  
 Operator : JU/SJ  
 Sample : J4865-16  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Sep 15 06:31:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Sep 15 04:34:35 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 179982   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.42 | 136  | 766096   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.29 | 164  | 393518   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.04 | 188  | 755341   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.23 | 240  | 665330   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.45 | 264  | 724083   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 12769  | 3.27  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.84  | 99  | 271766 | 17.78 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 171139 | 18.03 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 233365 | 18.55 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 181473 | 15.33 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 108091 | 18.21 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.52  | 143 | 124049 | 18.47 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 217414 | 17.93 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 198501 | 14.15 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.70 | 166 | 616981 | 20.03 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.97 | 160 | 779276 | 19.37 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 83842  | 16.46 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.28 | 176 | 528193 | 19.57 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 82742  | 17.51 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.13 | 188 | 755620 | 20.95 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.43 | 212 | 772964 | 22.02 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.31 | 264 | 818526 | 21.48 | ng/ul | 0.00 |

## Target Compounds

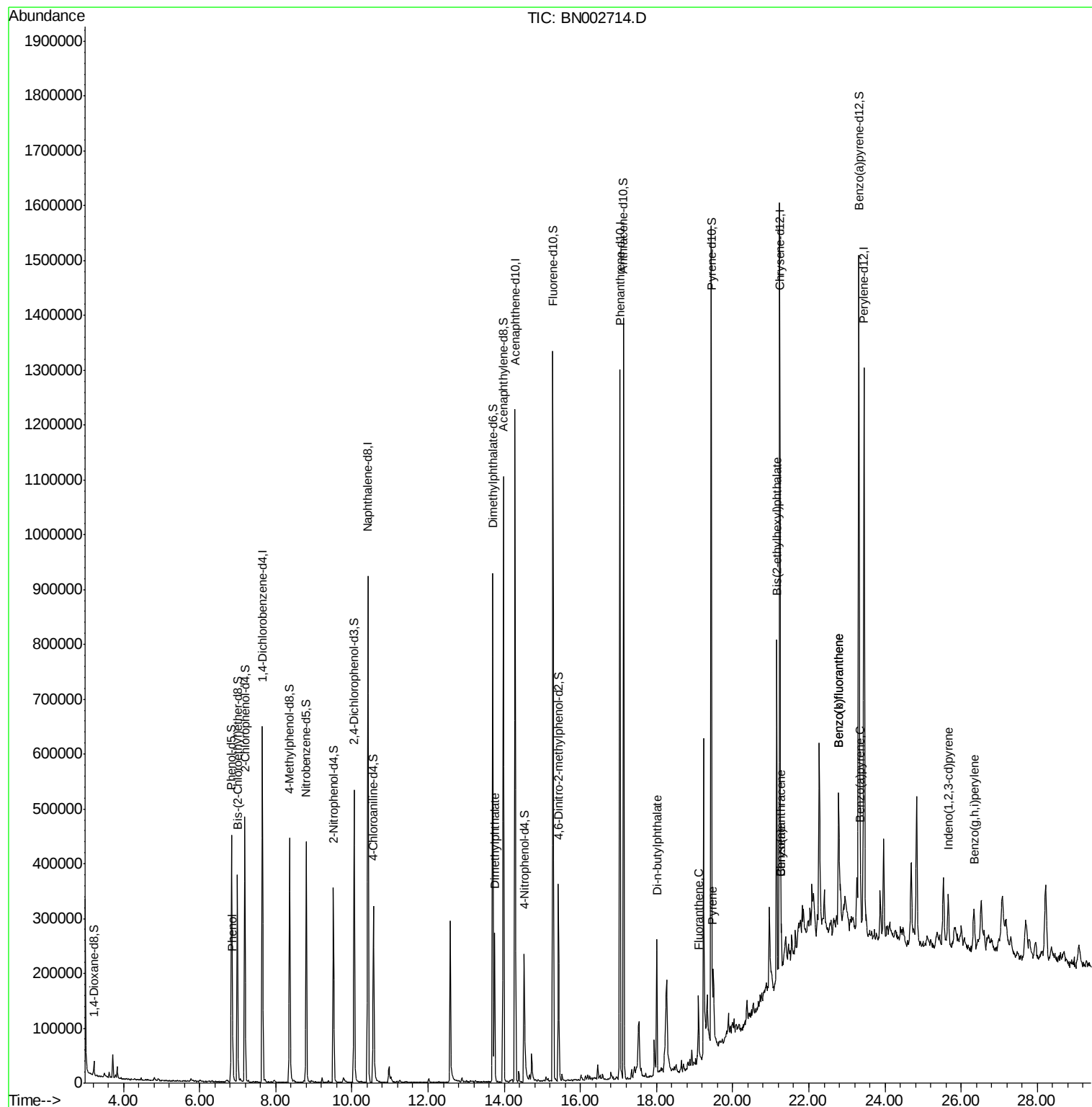
|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 6) Phenol                      | 6.86  | 94  | 36947  | 2.397 ng/ul  | 96     |
| 44) Dimethylphthalate          | 13.75 | 163 | 172346 | 5.733 ng/ul  | 100    |
| 75) Di-n-butylphthalate        | 18.01 | 149 | 169156 | 3.893 ng/ul  | 99     |
| 76) Fluoranthene               | 19.10 | 202 | 60711  | 1.368 ng/ul  | 98     |
| 79) Pyrene                     | 19.47 | 202 | 55107  | 1.253 ng/ul  | 98     |
| 82) Benzo(a)anthracene         | 21.27 | 228 | 55264  | 1.335 ng/ul  | 98     |
| 83) Bis(2-ethylhexyl)phthalate | 21.16 | 149 | 208718 | 7.854 ng/ul  | 99     |
| 84) Chrysene                   | 21.27 | 228 | 55264  | 1.425 ng/ul  | 96     |
| 87) Benzo(b)fluoranthene       | 22.79 | 252 | 129365 | 2.925 ng/ul# | 95     |
| 88) Benzo(k)fluoranthene       | 22.79 | 252 | 129365 | 3.136 ng/ul  | 97     |
| 90) Benzo(a)pyrene             | 23.36 | 252 | 55174  | 1.320 ng/ul# | 97     |
| 91) Indeno(1,2,3-cd)pyrene     | 25.66 | 276 | 84255  | 1.702 ng/ul  | 96     |
| 93) Benzo(g,h,i)perylene       | 26.33 | 276 | 90486  | 2.187 ng/ul  | 98     |

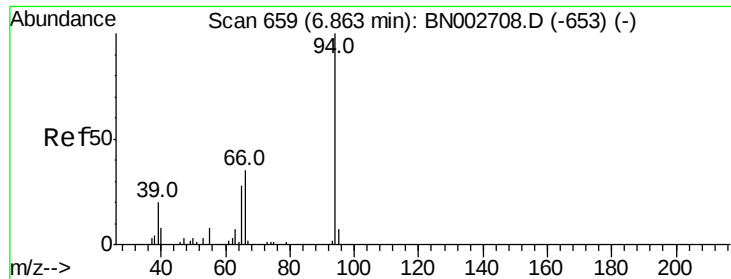
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN091418\  
Data File : BN002714.D  
Acq On : 15 Sep 2018 06:00  
Operator : JU/SJ  
Sample : J4865-16  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Sep 15 06:31:45 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Sep 15 04:34:35 2018  
Response via : Initial Calibration





#6

Phenol

Concen: 2.397 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BN002714.D

Acq: 15 Sep 2018 06:00

Instrument :

BNA\_N

ClientSampleId :

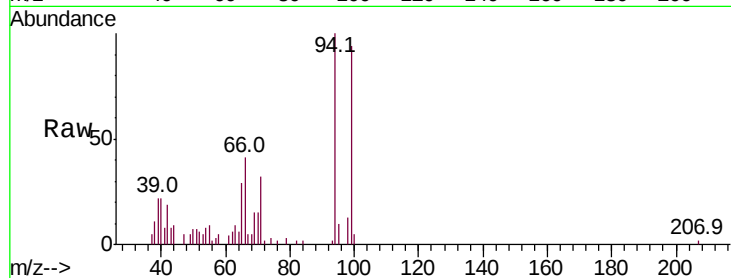
Tot Ion: 94 Resp: 36947

Ion Ratio Lower Upper

94 100

65 29.0 23.1 34.7

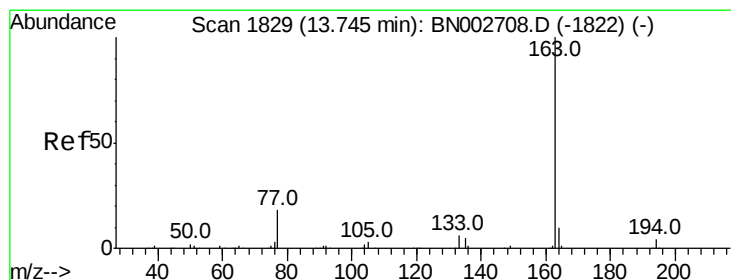
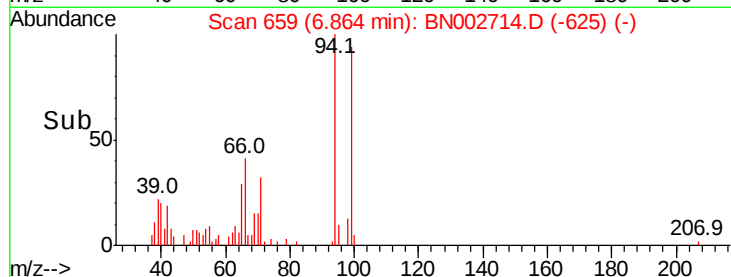
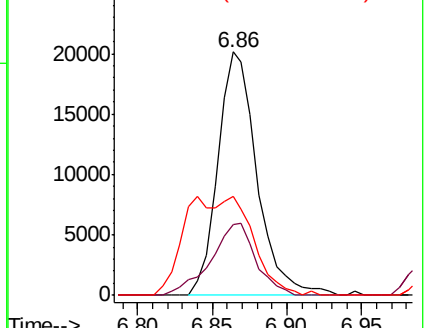
66 40.9 29.8 44.6



Abundance Ion 94.00 (93.70 to 94.70): BN002708.D (-653) (-)

Ion 65.00 (64.70 to 65.70): BN002708.D (-653) (-)

Ion 66.00 (65.70 to 66.70): BN002708.D (-653) (-)



#44

Dimethylphthalate

Concen: 5.733 ng/ul

RT: 13.75 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BN002714.D

Acq: 15 Sep 2018 06:00

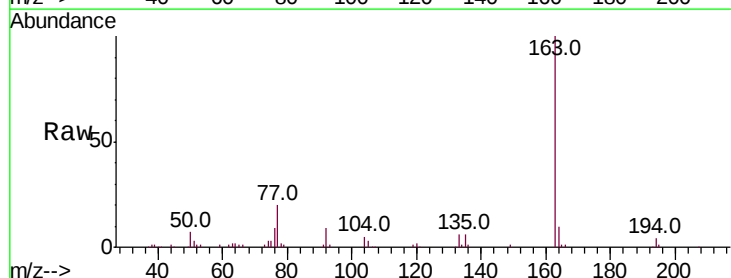
Tgt Ion:163 Resp: 172346

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

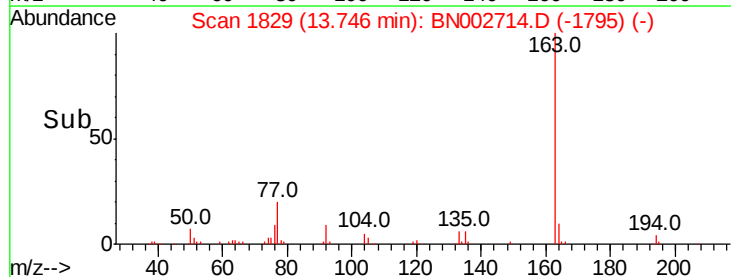
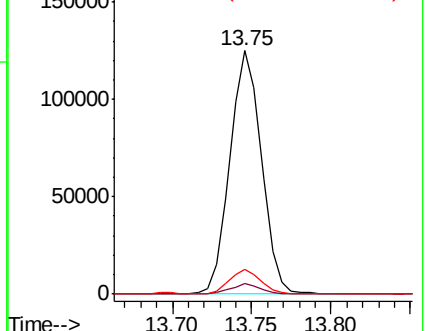
164 10.1 8.1 12.1

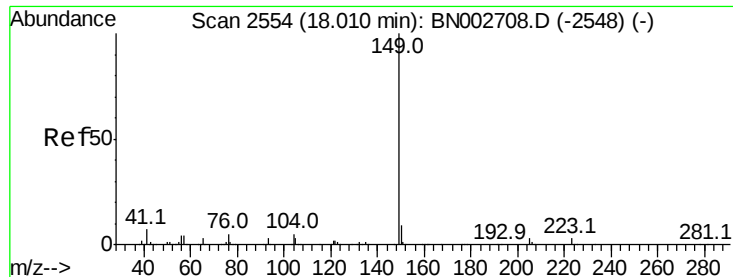


Abundance Ion 163.00 (162.70 to 163.70): BN002708.D (-1822) (-)

Ion 194.00 (193.70 to 194.70): BN002708.D (-1822) (-)

Ion 164.00 (163.70 to 164.70): BN002708.D (-1822) (-)

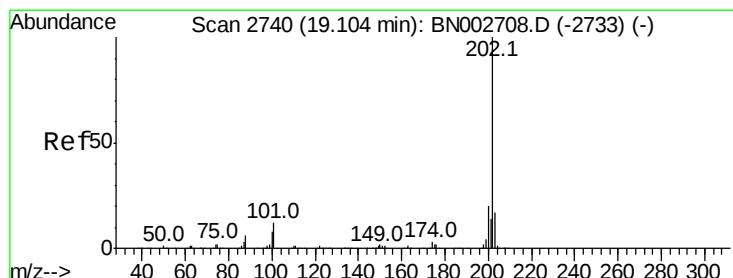
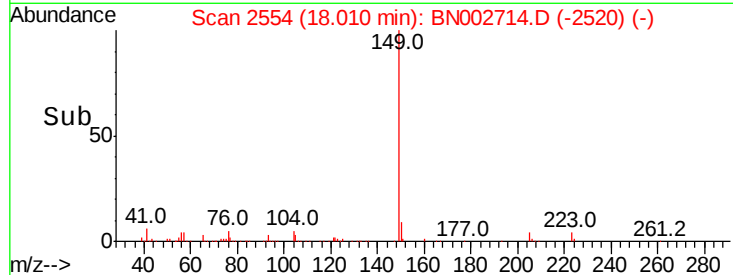
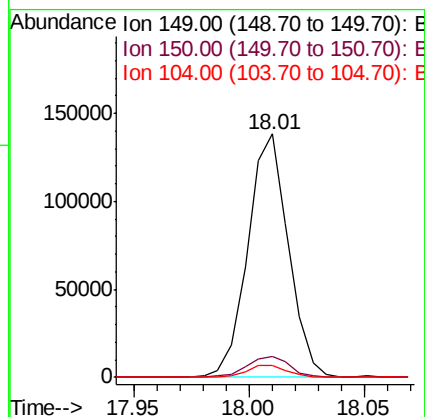
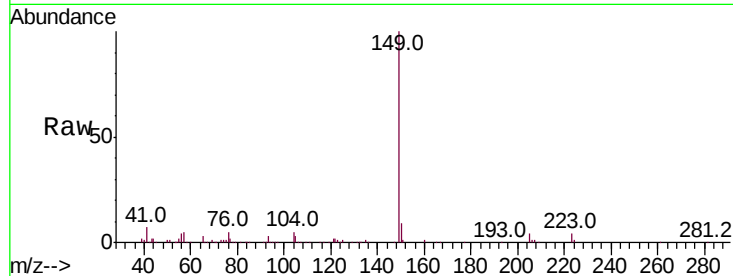




#75  
Di-n-butylphthalate  
Concen: 3.893 ng/ul  
RT: 18.01 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: BN002714.D  
Acq: 15 Sep 2018 06:00

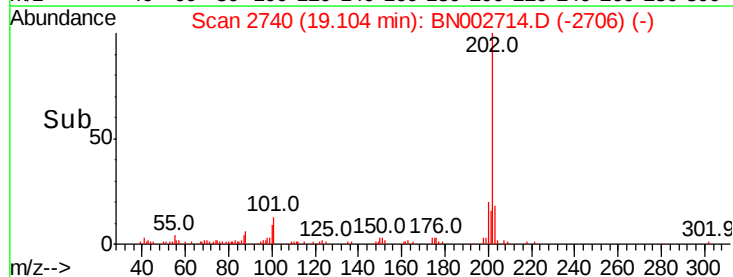
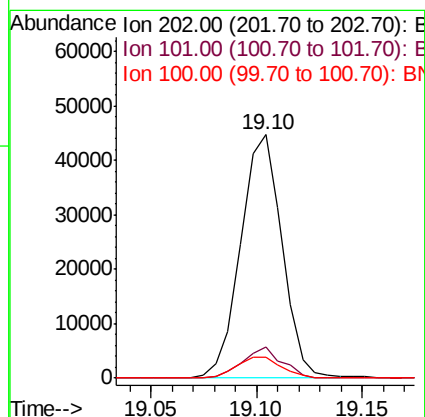
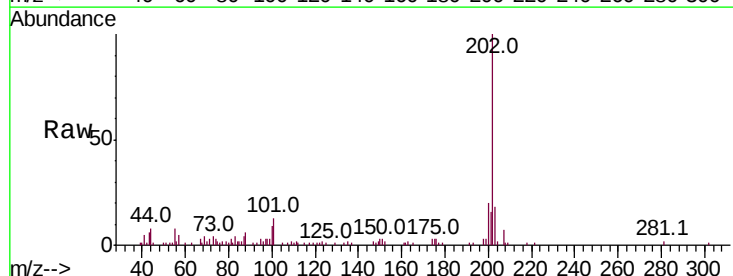
Instrument :  
BNA\_N  
ClientSampleId :

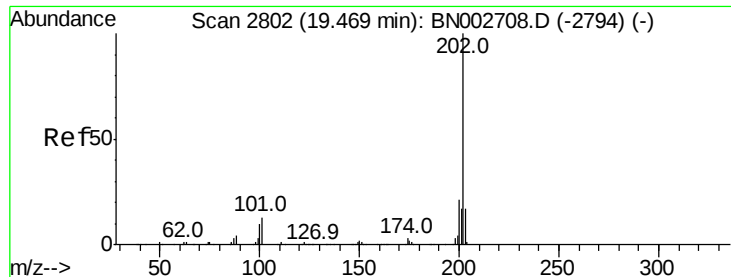
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 8.6   | 7.3   | 10.9  |
| 104     | 4.9   | 3.7   | 5.5   |



#76  
Fluoranthene  
Concen: 1.368 ng/ul  
RT: 19.10 min Scan# 2740  
Delta R.T. 0.00 min  
Lab File: BN002714.D  
Acq: 15 Sep 2018 06:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.8  | 9.4   | 14.2  |
| 100     | 8.6   | 7.0   | 10.6  |

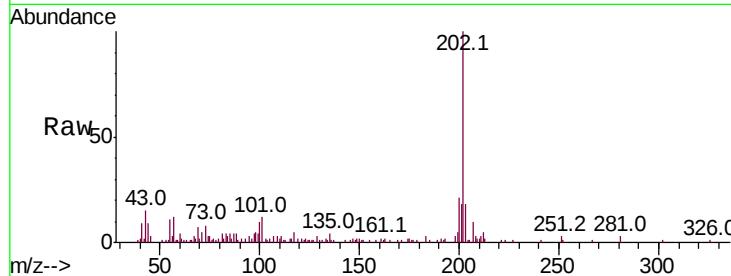




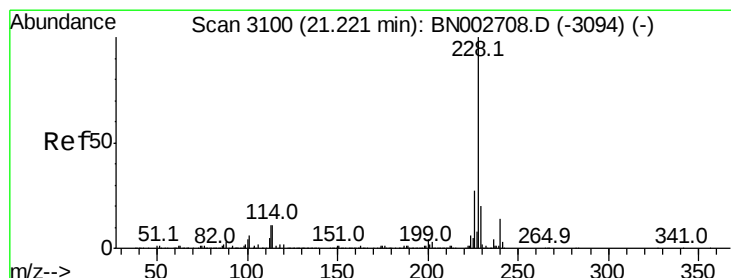
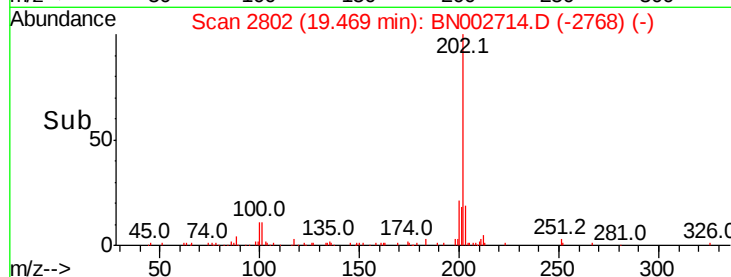
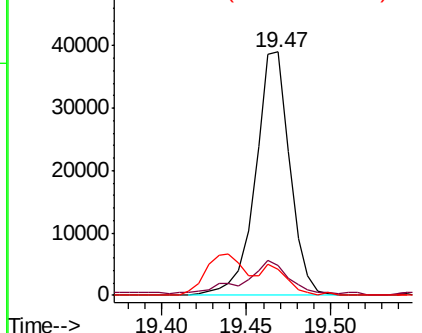
#79  
Pvrene  
Concen: 1.253 ng/ul  
RT: 19.47 min Scan# 2802  
Delta R.T. 0.00 min  
Lab File: BN002714.D  
Acq: 15 Sep 2018 06:00

Instrument :  
BNA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.3  | 10.8  | 16.2  |
| 100     | 10.5  | 8.2   | 12.2  |

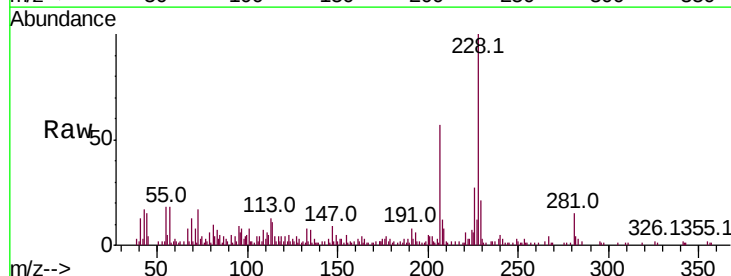


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

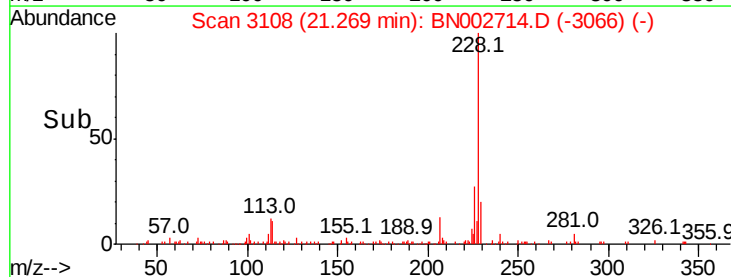
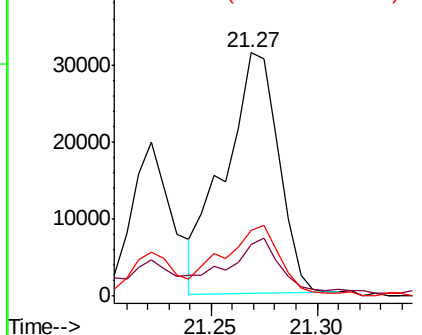


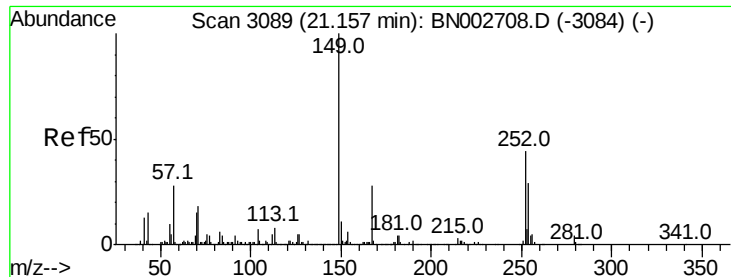
#82  
Benzo(a)anthracene  
Concen: 1.335 ng/ul  
RT: 21.27 min Scan# 3108  
Delta R.T. 0.05 min  
Lab File: BN002714.D  
Acq: 15 Sep 2018 06:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 21.2  | 15.8  | 23.6  |
| 226     | 27.0  | 20.9  | 31.3  |



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

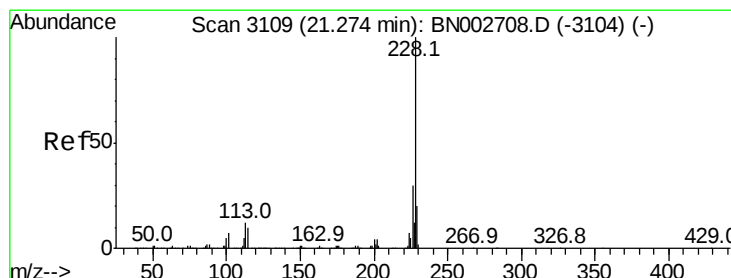
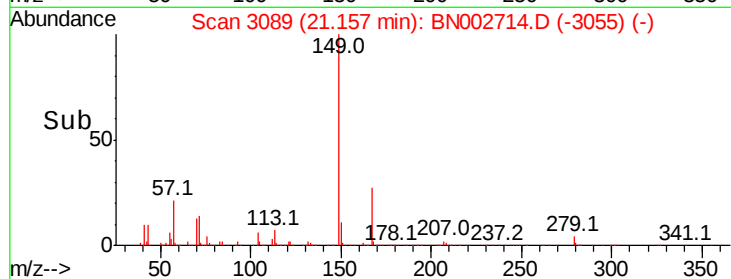
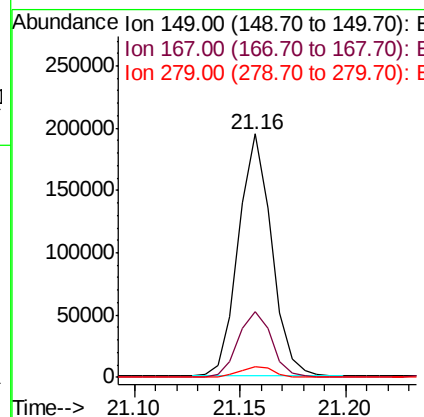
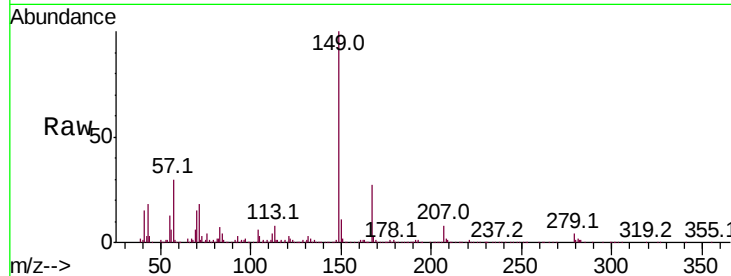




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 7.854 ng/ul  
 RT: 21.16 min Scan# 3089  
 Delta R.T. 0.00 min  
 Lab File: BN002714.D  
 Acq: 15 Sep 2018 06:00

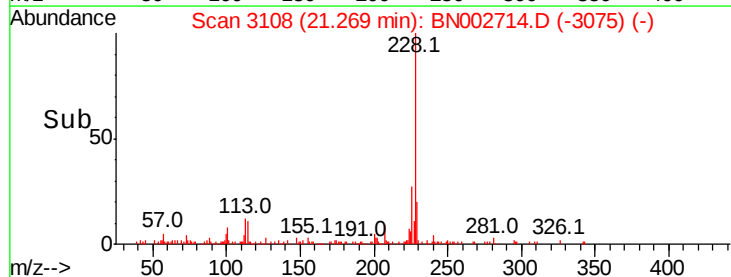
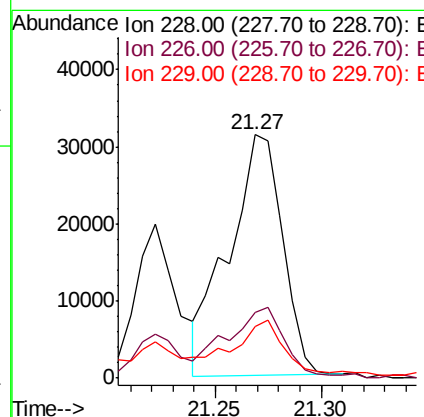
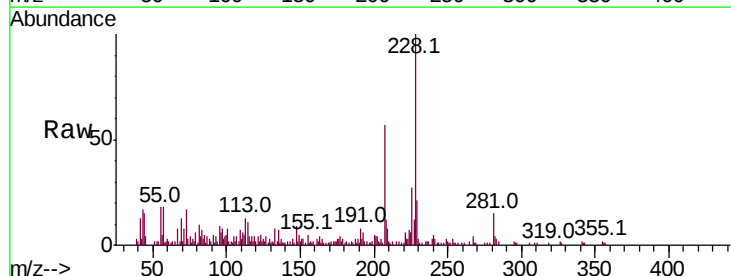
Instrument :  
 BNA\_N  
 ClientSampled :

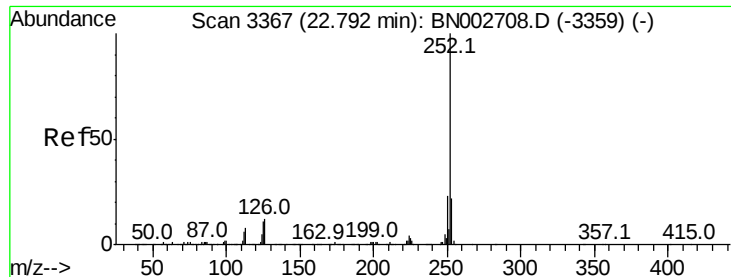
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.9  | 22.0  | 33.0  |
| 279     | 4.4   | 3.3   | 4.9   |



#84  
 Chrysene  
 Concen: 1.425 ng/ul  
 RT: 21.27 min Scan# 3108  
 Delta R.T. -0.01 min  
 Lab File: BN002714.D  
 Acq: 15 Sep 2018 06:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.0  | 23.4  | 35.0  |
| 229     | 21.2  | 15.7  | 23.5  |





#87

Benzo(b)fluoranthene

Concen: 2.925 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. 0.00 min

Lab File: BN002714.D

Acq: 15 Sep 2018 06:00

Instrument :

BNA\_N

ClientSampleId :

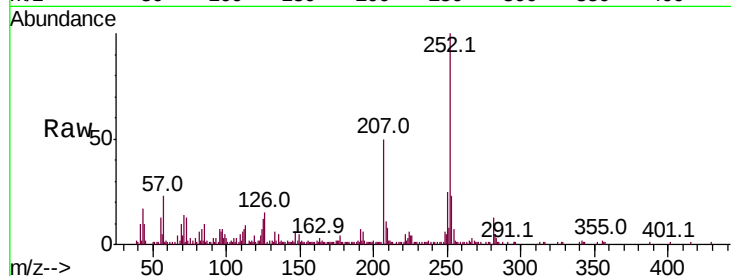
Tot Ion:252 Resp: 129365

Ion Ratio Lower Upper

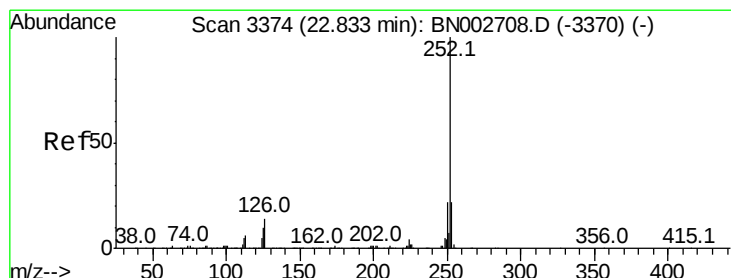
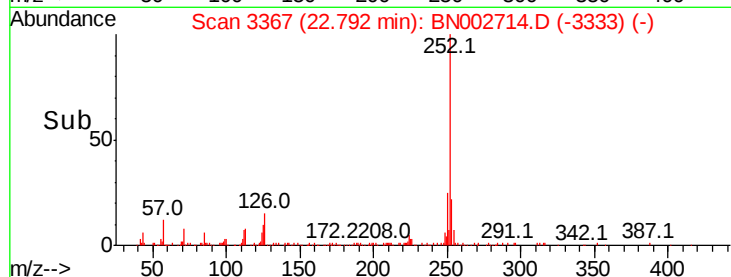
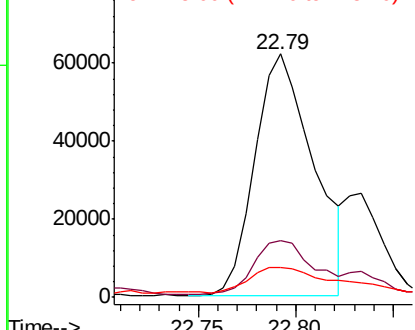
252 100

253 23.4 17.0 25.4

125 12.3 8.0 12.0#



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



#88

Benzo(k)fluoranthene

Concen: 3.136 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.04 min

Lab File: BN002714.D

Acq: 15 Sep 2018 06:00

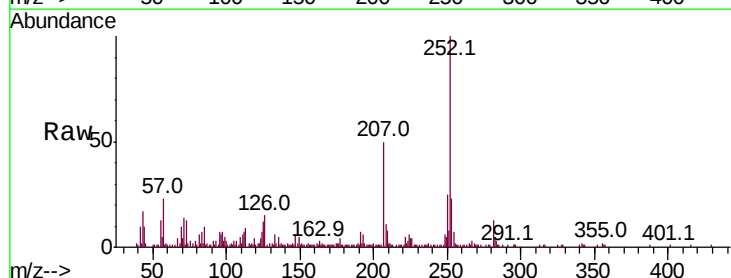
Tgt Ion:252 Resp: 129365

Ion Ratio Lower Upper

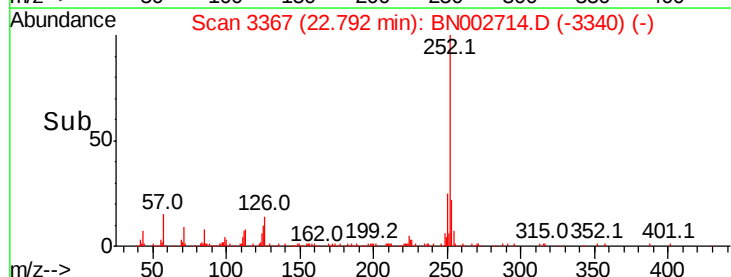
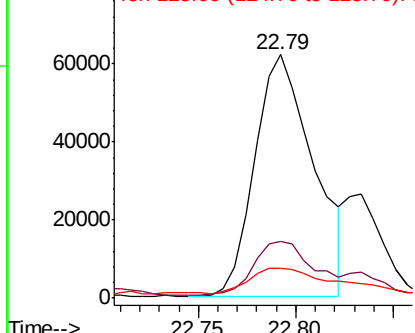
252 100

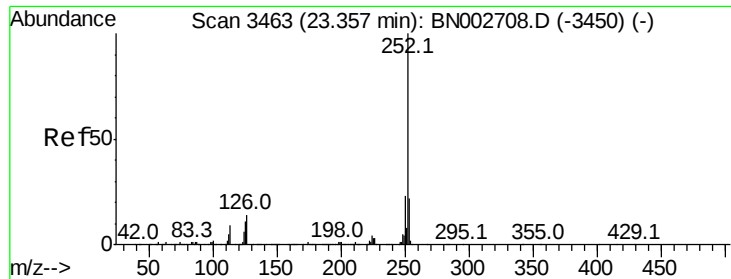
253 23.4 17.8 26.8

125 12.3 8.3 12.5



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





#90

Benzo(a)pyrene

Concen: 1.320 ng/ul

RT: 23.36 min Scan# 3463

Delta R.T. 0.00 min

Lab File: BN002714.D

Acq: 15 Sep 2018 06:00

Instrument :

BNA\_N

ClientSampleId :

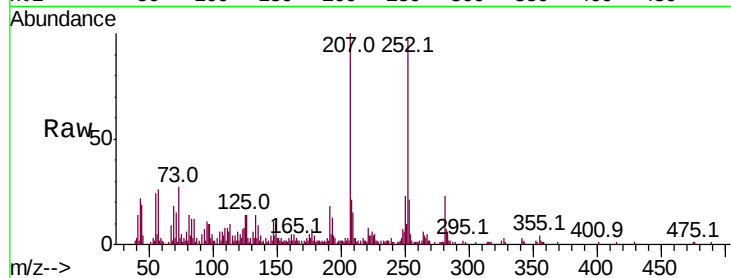
Tot Ion:252 Resp: 55174

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

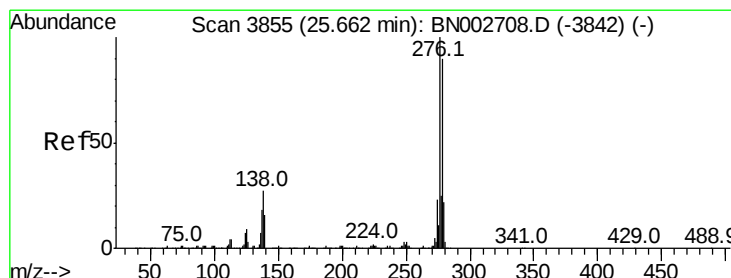
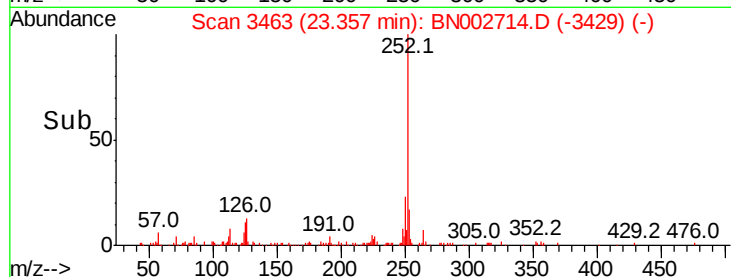
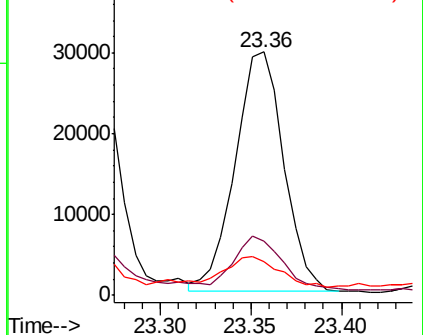
125 14.0 8.8 13.2#



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

Indeno(1,2,3-cd)pyrene

Concen: 1.702 ng/ul

RT: 25.66 min Scan# 3854

Delta R.T. -0.01 min

Lab File: BN002714.D

Acq: 15 Sep 2018 06:00

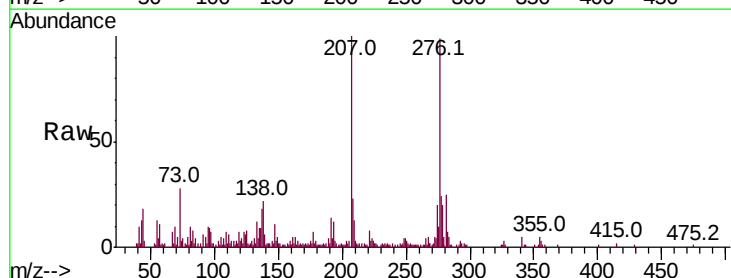
Tgt Ion:276 Resp: 84255

Ion Ratio Lower Upper

276 100

138 22.0 20.2 30.4

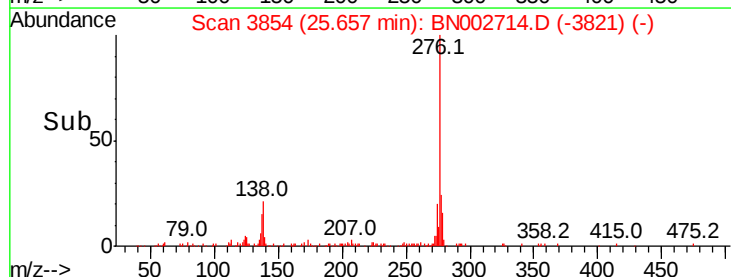
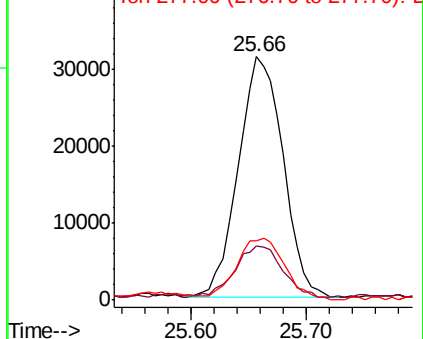
277 24.6 20.0 30.0

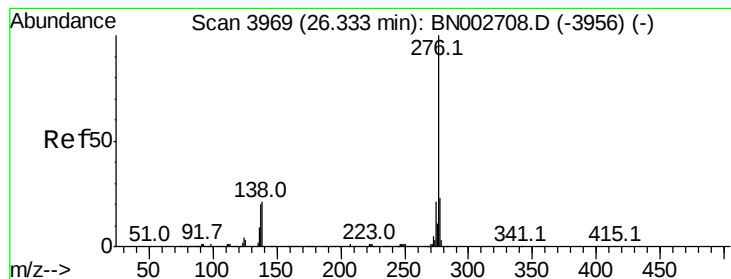


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Benzo(a,h,i)perylene

Concen: 2.187 ng/ul

RT: 26.33 min Scan# 3969

Delta R.T. 0.00 min

Lab File: BN002714.D

Acq: 15 Sep 2018 06:00

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:276 Resp: 90486

Ion Ratio Lower Upper

276 100

138 21.8 18.2 27.2

277 22.4 18.6 28.0

