

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060519\  
 Data File : BN006124.D  
 Acq On : 06 Jun 2019 06:07  
 Operator : JU/SJ  
 Sample : K3016-16  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jun 06 08:01:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 06 07:51:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 333179   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 1461237  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.30 | 164  | 813297   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.05 | 188  | 1717525  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.27 | 240  | 1534389  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.50 | 264  | 1727386  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 31391   | 4.08  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 517526  | 19.44 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.98  | 67  | 343246  | 22.55 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 416795  | 19.48 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.35  | 113 | 397874  | 19.29 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 211234  | 20.25 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.52  | 143 | 213964  | 18.48 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 375746  | 17.96 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.57 | 131 | 371882  | 14.89 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.71 | 166 | 1248286 | 21.64 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.99 | 160 | 1515660 | 20.30 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.51 | 143 | 85948   | 8.43  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 1050431 | 21.55 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 85746   | 8.92  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.15 | 188 | 1495900 | 20.41 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.46 | 212 | 1597733 | 21.55 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.36 | 264 | 1535340 | 19.96 | ng/ul | 0.00 |

## Target Compounds

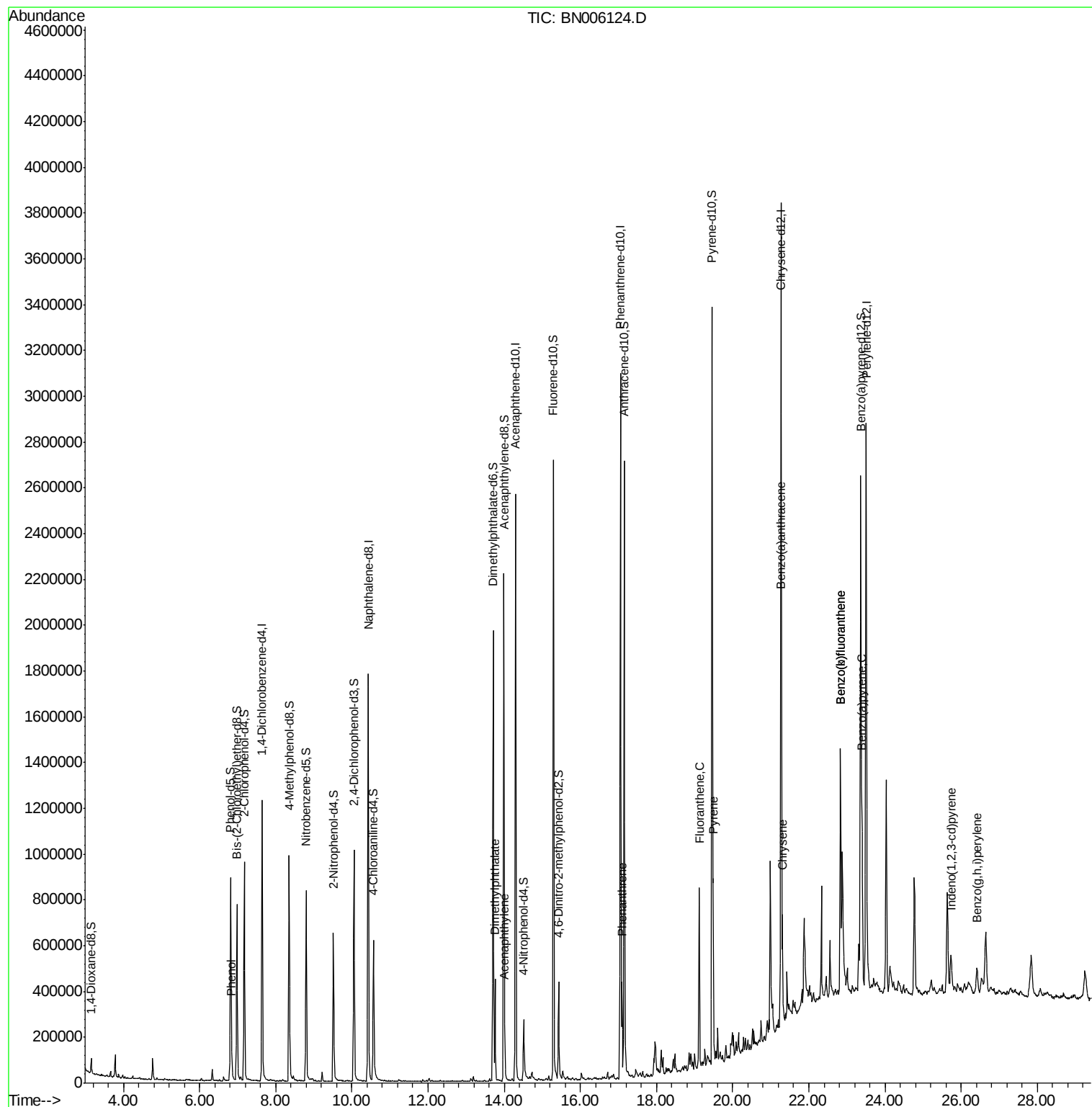
|                            |       |     |        |       | Ovalue    |
|----------------------------|-------|-----|--------|-------|-----------|
| 6) Phenol                  | 6.85  | 94  | 47682  | 1.752 | ng/ul 98  |
| 44) Dimethylphthalate      | 13.76 | 163 | 271608 | 4.746 | ng/ul 99  |
| 47) Acenaphthylene         | 14.02 | 152 | 92801  | 1.265 | ng/ul 98  |
| 69) Phenanthrene           | 17.09 | 178 | 226443 | 2.688 | ng/ul 100 |
| 76) Fluoranthene           | 19.12 | 202 | 454825 | 4.818 | ng/ul 100 |
| 79) Pyrene                 | 19.49 | 202 | 408318 | 4.329 | ng/ul 97  |
| 82) Benzo(a)anthracene     | 21.25 | 228 | 150190 | 1.592 | ng/ul 96  |
| 84) Chrysene               | 21.30 | 228 | 232435 | 2.571 | ng/ul 96  |
| 87) Benzo(b)fluoranthene   | 22.84 | 252 | 315188 | 3.423 | ng/ul# 93 |
| 88) Benzo(k)fluoranthene   | 22.84 | 252 | 315188 | 3.497 | ng/ul# 94 |
| 90) Benzo(a)pyrene         | 23.40 | 252 | 190538 | 2.140 | ng/ul# 96 |
| 91) Indeno(1,2,3-cd)pyrene | 25.73 | 276 | 155167 | 1.430 | ng/ul 100 |
| 93) Benzo(g,h,i)perylene   | 26.42 | 276 | 133751 | 1.450 | ng/ul 97  |

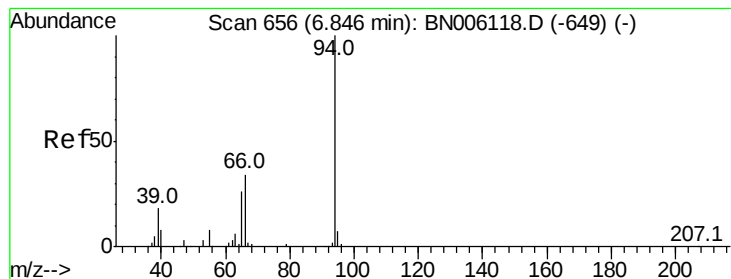
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN060519\  
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BNA\_N  
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Quant Time: Jun 06 08:01:37 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 06 07:51:51 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 1.752 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BN006124.D

Acq: 06 Jun 2019 06:07

Instrument :

BNA\_N

ClientSampleId :

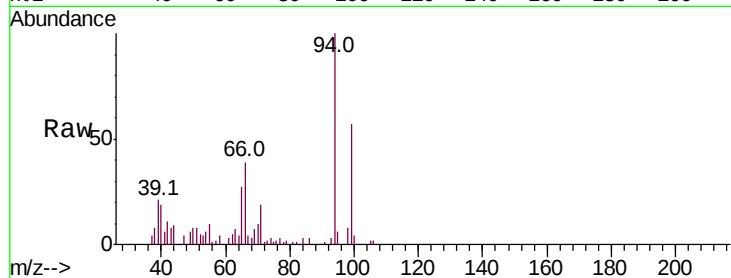
Tot Ion: 94 Resp: 47682

Ion Ratio Lower Upper

94 100

65 27.5 21.8 32.6

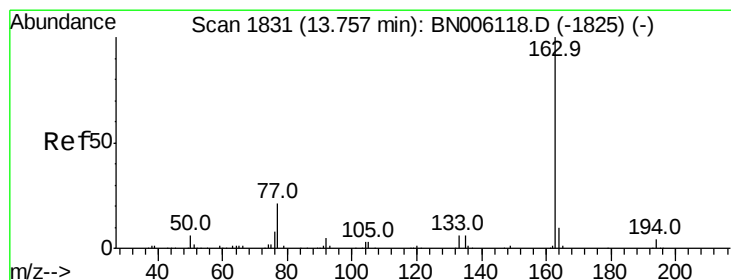
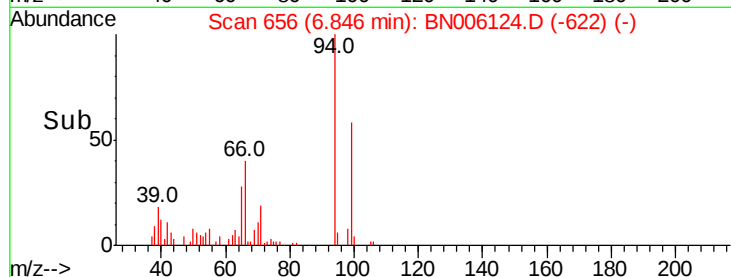
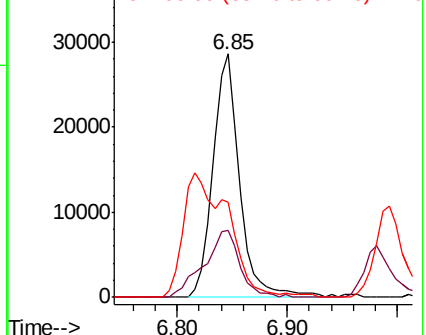
66 39.2 29.5 44.3



Abundance Ion 94.00 (93.70 to 94.70): BN006118.D (-649) (-)

Ion 65.00 (64.70 to 65.70): BN006118.D (-649) (-)

Ion 66.00 (65.70 to 66.70): BN006118.D (-649) (-)



#44

Dimethylphthalate

Concen: 4.746 ng/ul

RT: 13.76 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BN006124.D

Acq: 06 Jun 2019 06:07

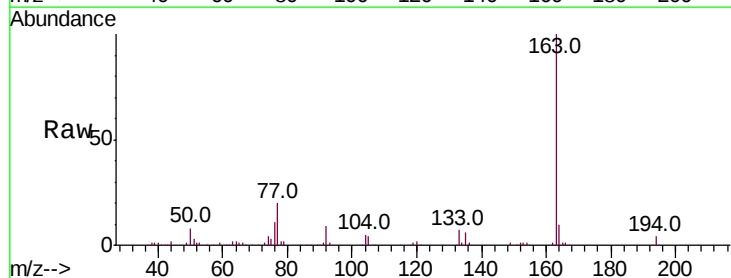
Tgt Ion:163 Resp: 271608

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

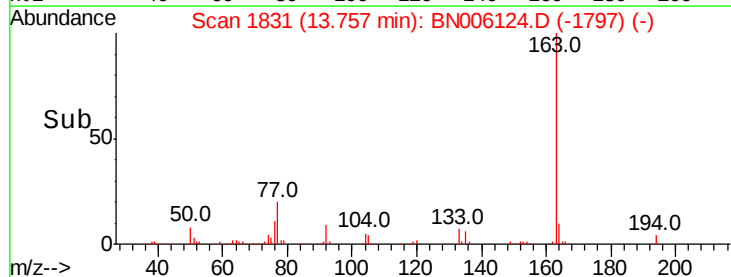
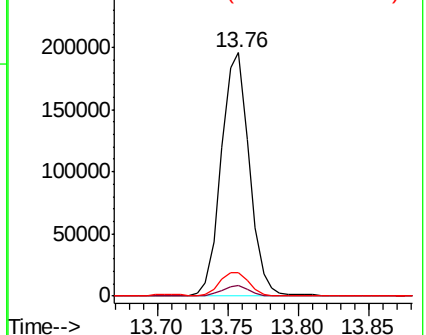
164 9.9 8.2 12.2

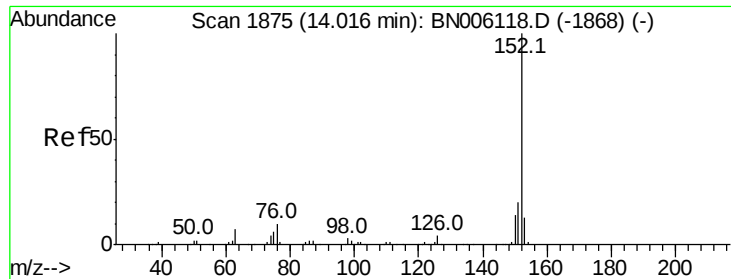


Abundance Ion 163.00 (162.70 to 163.70): BN006118.D (-1825) (-)

Ion 194.00 (193.70 to 194.70): BN006118.D (-1825) (-)

Ion 164.00 (163.70 to 164.70): BN006118.D (-1825) (-)





#47

Acenaphthylene

Concen: 1.265 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BN006124.D

Acq: 06 Jun 2019 06:07

Instrument :

BNA\_N

ClientSampleId :

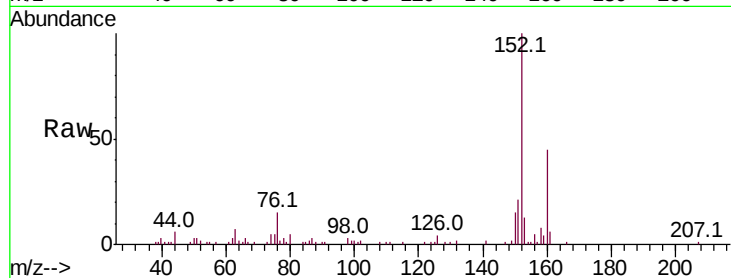
Tot Ion:152 Resp: 92801

Ion Ratio Lower Upper

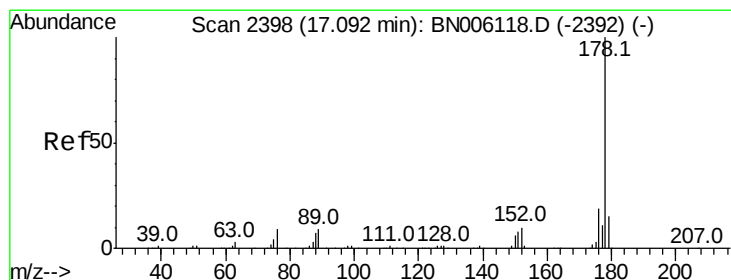
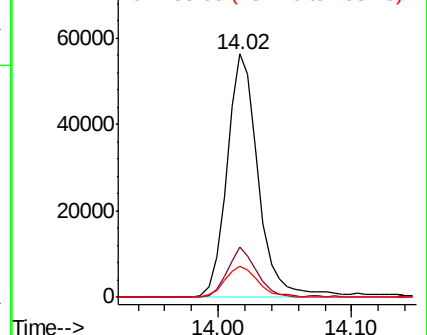
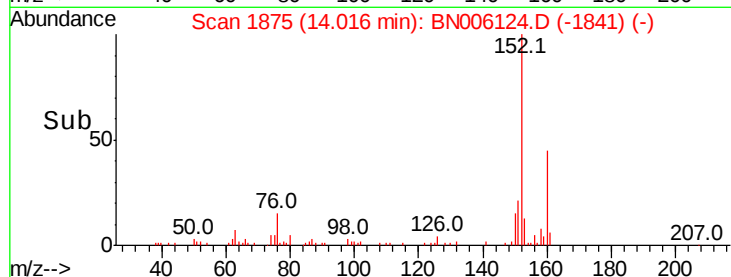
152 100

151 20.7 15.7 23.5

153 12.9 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#69

Phenanthrene

Concen: 2.688 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BN006124.D

Acq: 06 Jun 2019 06:07

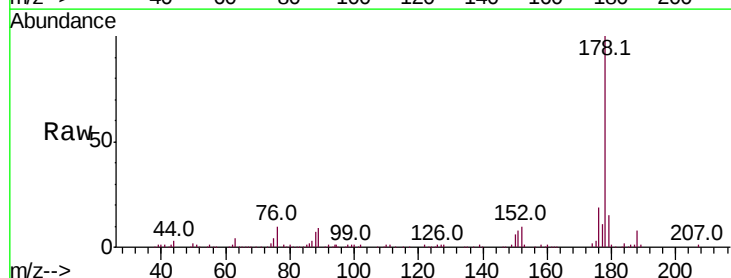
Tgt Ion:178 Resp: 226443

Ion Ratio Lower Upper

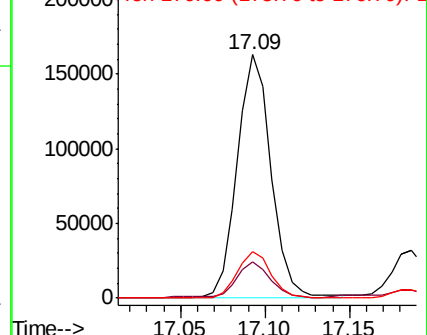
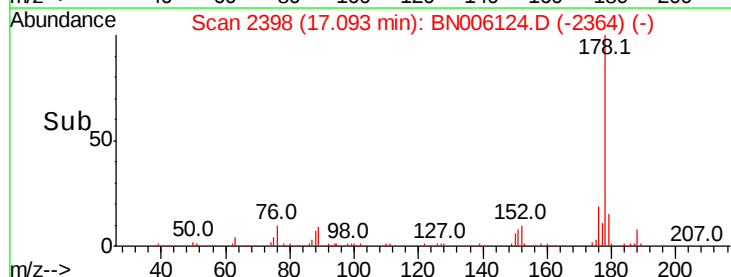
178 100

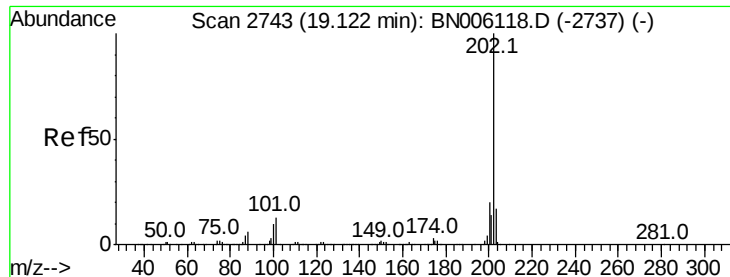
179 14.7 11.8 17.8

176 19.0 15.0 22.6



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

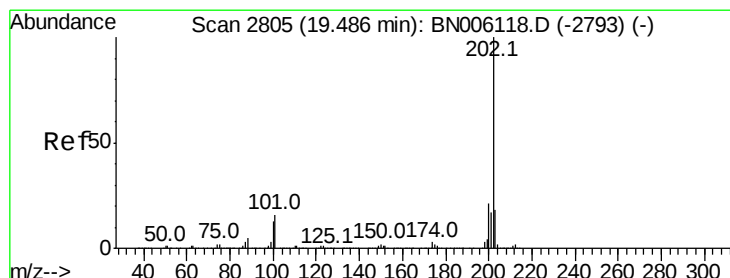
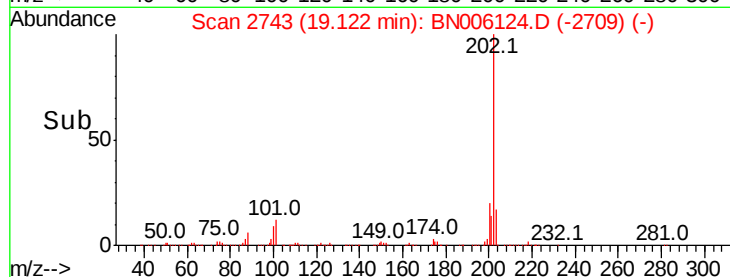
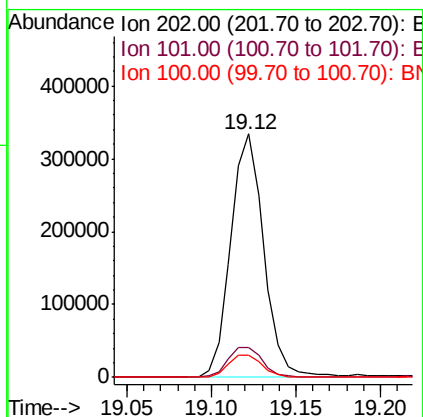
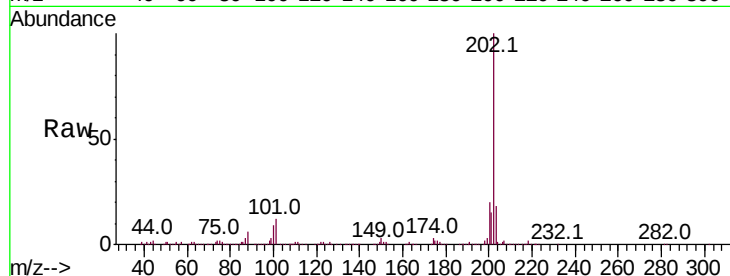




#76  
Fluoranthene  
Concen: 4.818 ng/ul  
RT: 19.12 min Scan# 2743  
Delta R.T. 0.00 min  
Lab File: BN006124.D  
Acq: 06 Jun 2019 06:07

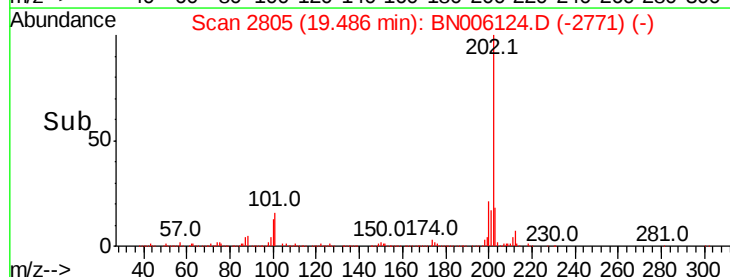
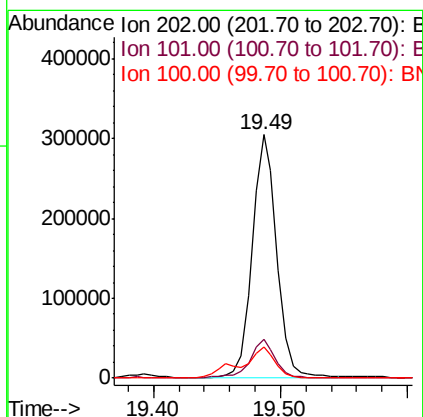
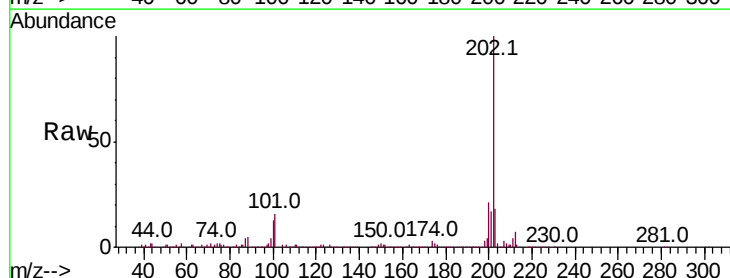
Instrument :  
BNA\_N  
ClientSampleId :

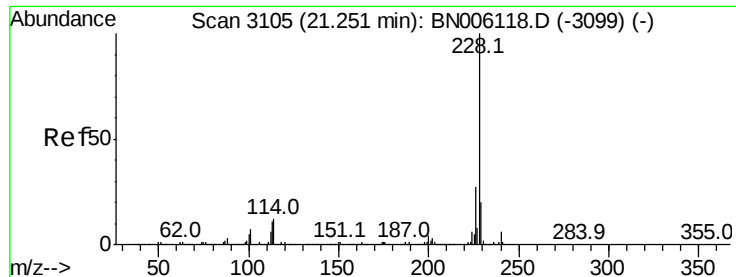
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.0  | 9.6   | 14.4  |
| 100     | 9.2   | 7.1   | 10.7  |



#79  
Pyrene  
Concen: 4.329 ng/ul  
RT: 19.49 min Scan# 2805  
Delta R.T. 0.00 min  
Lab File: BN006124.D  
Acq: 06 Jun 2019 06:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 15.7  | 11.5  | 17.3  |
| 100     | 12.7  | 9.0   | 13.6  |

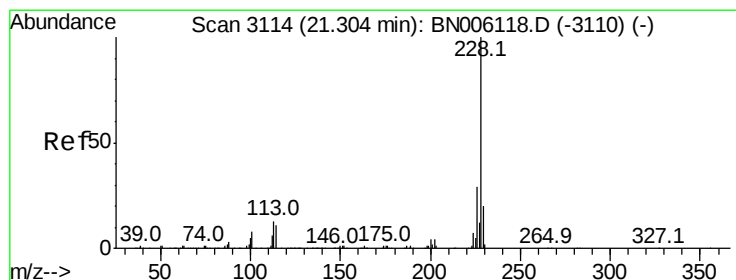
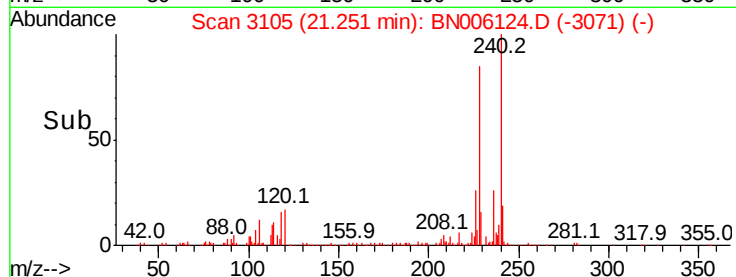
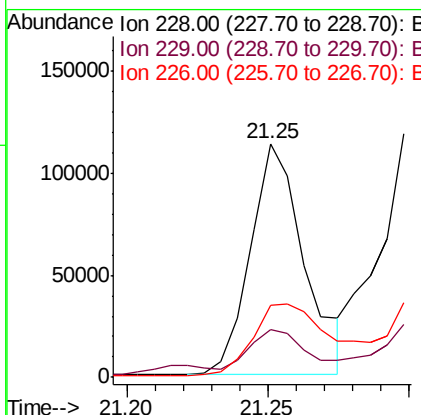
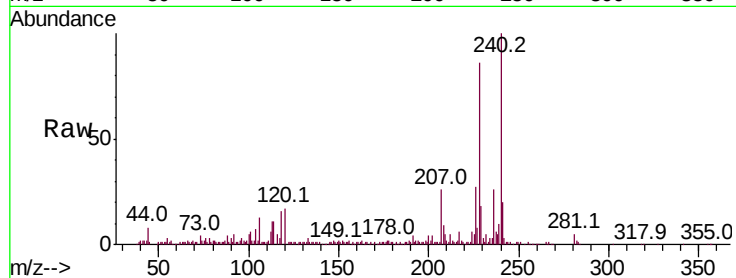




#82  
Benzo(a)anthracene  
Concen: 1.592 ng/ul  
RT: 21.25 min Scan# 3105  
Delta R.T. 0.00 min  
Lab File: BN006124.D  
Acq: 06 Jun 2019 06:07

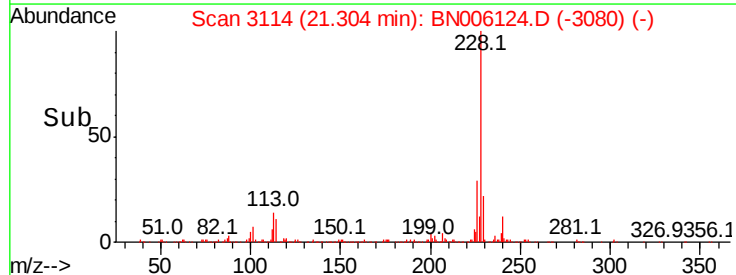
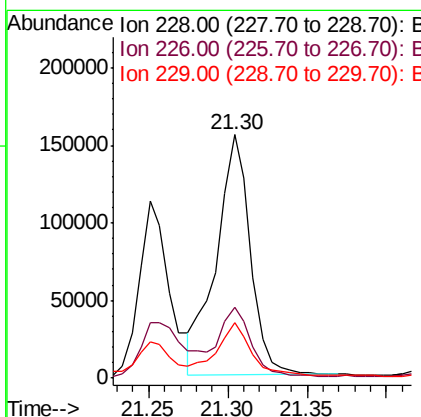
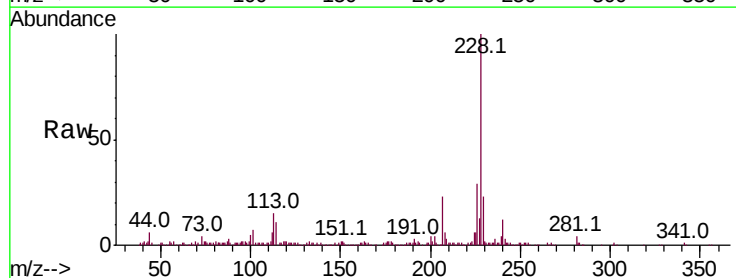
Instrument :  
BNA\_N  
ClientSampleId :

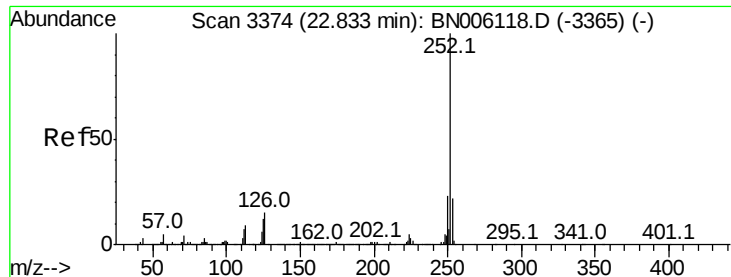
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.5  | 16.1  | 24.1  |
| 226     | 31.1  | 21.9  | 32.9  |



#84  
Chrysene  
Concen: 2.571 ng/ul  
RT: 21.30 min Scan# 3114  
Delta R.T. 0.00 min  
Lab File: BN006124.D  
Acq: 06 Jun 2019 06:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.1  | 24.1  | 36.1  |
| 229     | 22.8  | 16.0  | 24.0  |

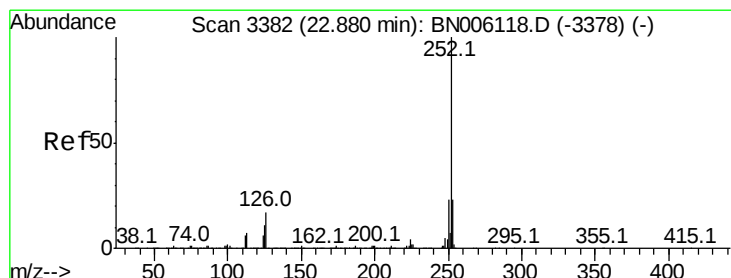
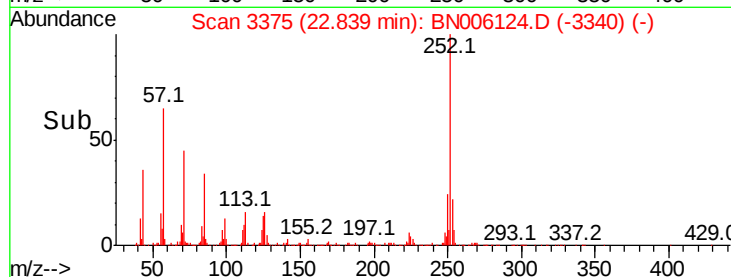
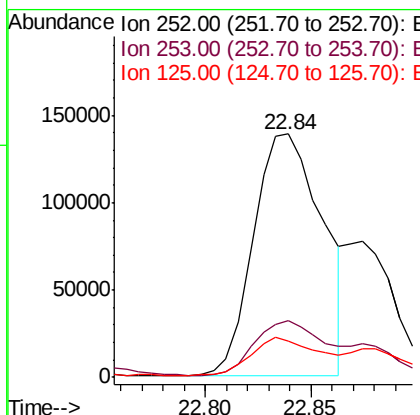
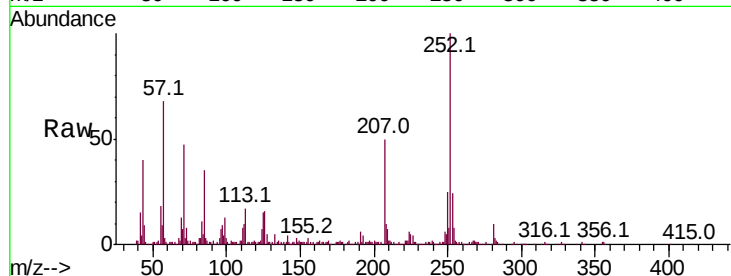




#87  
Benzo(b)fluoranthene  
Concen: 3.423 ng/ul  
RT: 22.84 min Scan# 3375  
Delta R.T. 0.01 min  
Lab File: BN006124.D  
Acq: 06 Jun 2019 06:07

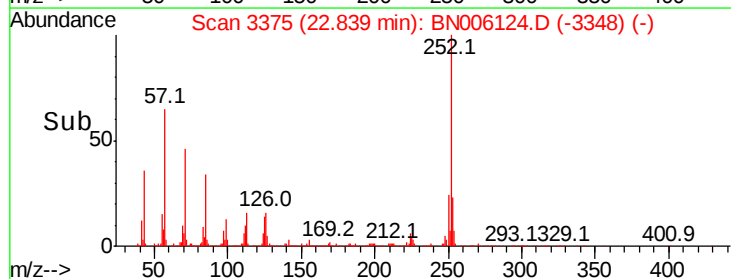
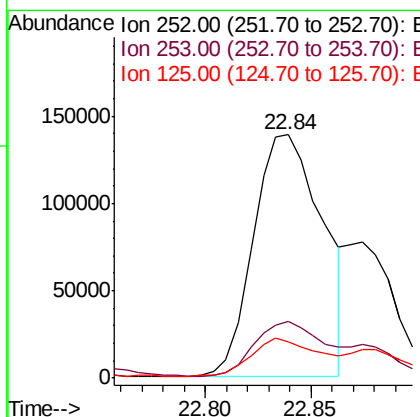
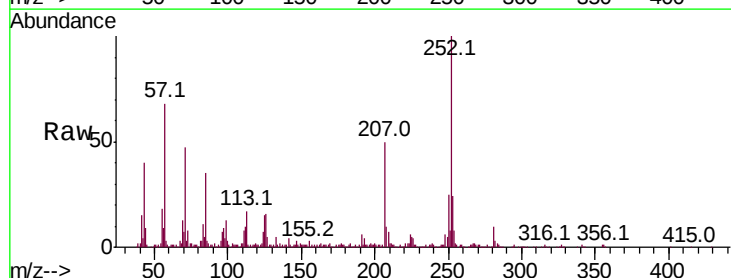
Instrument :  
BNA\_N  
ClientSampleId :

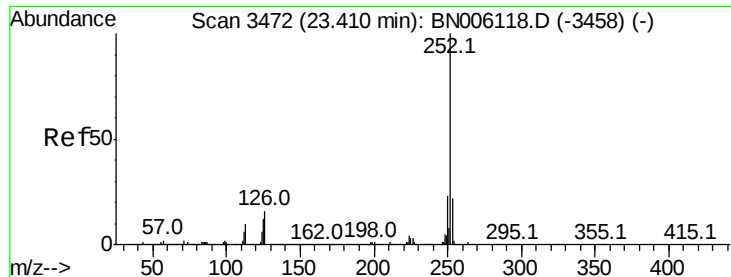
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.5  | 17.4  | 26.2  |
| 125     | 14.9  | 8.2   | 12.2  |



#88  
Benzo(k)fluoranthene  
Concen: 3.497 ng/ul  
RT: 22.84 min Scan# 3375  
Delta R.T. -0.04 min  
Lab File: BN006124.D  
Acq: 06 Jun 2019 06:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.5  | 17.8  | 26.6  |
| 125     | 14.9  | 8.0   | 12.0  |

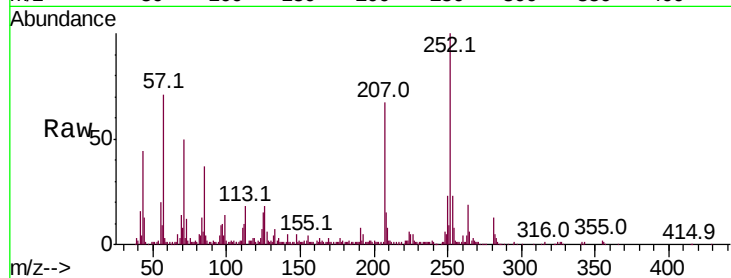




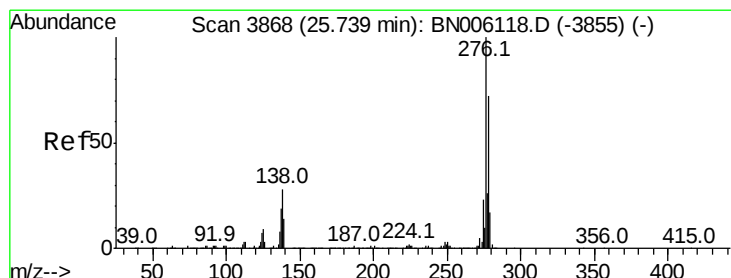
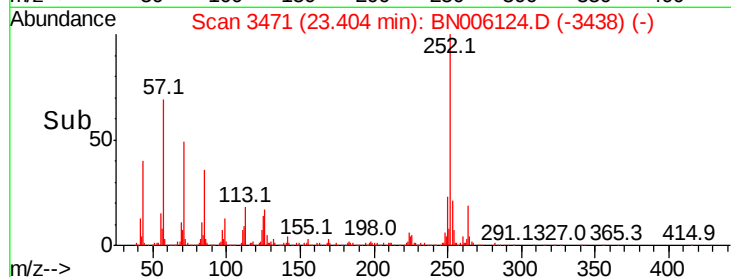
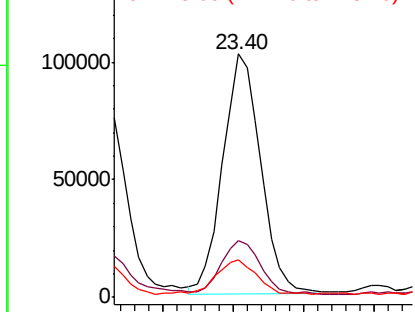
#90  
Benzo(a)pyrene  
Concen: 2.140 ng/ul  
RT: 23.40 min Scan# 3471  
Delta R.T. -0.01 min  
Lab File: BN006124.D  
Acq: 06 Jun 2019 06:07

Instrument :  
BNA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 17.7  | 26.5  |
| 125     | 15.3  | 9.7   | 14.5  |

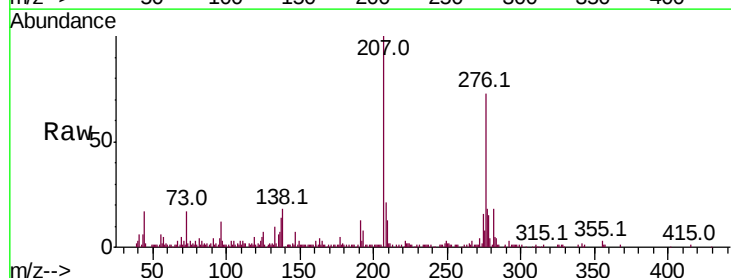


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

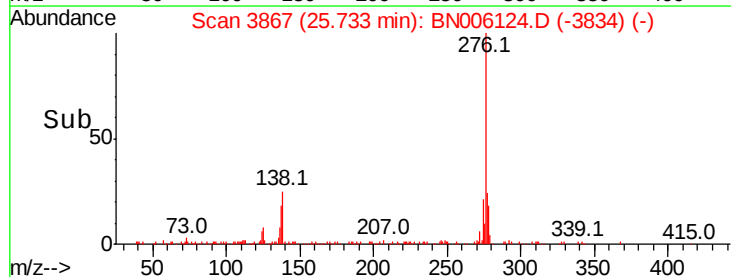
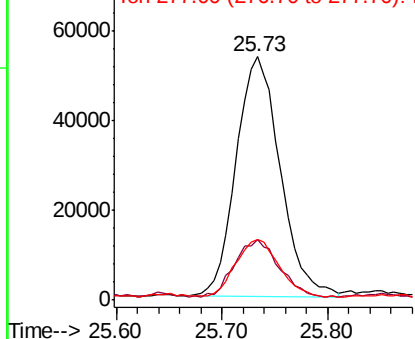


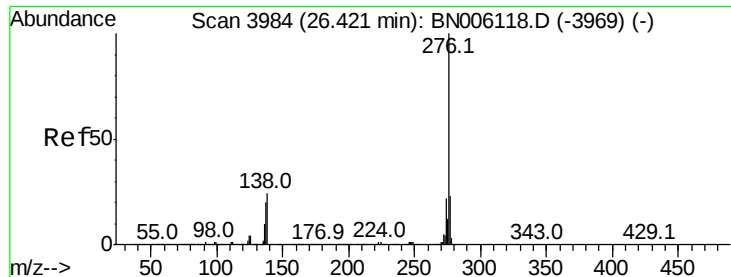
#91  
Indeno(1,2,3-cd)pyrene  
Concen: 1.430 ng/ul  
RT: 25.73 min Scan# 3867  
Delta R.T. -0.01 min  
Lab File: BN006124.D  
Acq: 06 Jun 2019 06:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.1  | 20.2  | 30.4  |
| 277     | 24.9  | 19.8  | 29.8  |



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: 1.450 ng/ul

RT: 26.42 min Scan# 3983

Delta R.T. -0.01 min

Lab File: BN006124.D

Acq: 06 Jun 2019 06:07

Instrument :

BNA\_N

ClientSampleId :

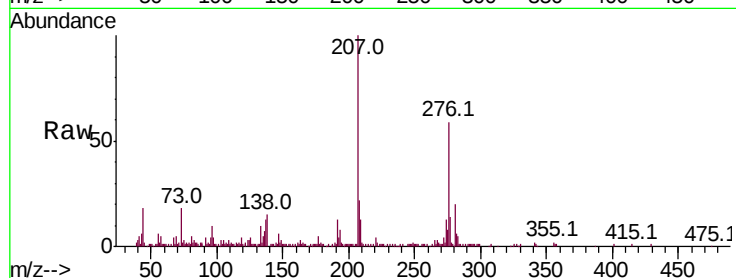
Tot Ion:276 Resp: 133751

Ion Ratio Lower Upper

276 100

138 25.5 18.0 27.0

277 23.6 18.8 28.2



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

