

Data File : BN009686.D  
Acq On : 10 Feb 2020 15:36  
Operator : CG/JU  
Sample : L1324-19ME  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAT74ME

Quant Time: Feb 11 01:39:43 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 07 15:21:46 2020  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 129283   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.18 | 136  | 550925   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.06 | 164  | 338768   | 20.00 | ng/ul | -0.01    |
| 61) Phenanthrene-d10      | 16.82 | 188  | 715426   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.03 | 240  | 678719   | 20.00 | ng/ul | -0.01    |
| 85) Perylene-d12          | 23.15 | 264  | 668589   | 20.00 | ng/ul | -0.01    |

System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.07  | 96  | 8263   | 2.62  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.63  | 99  | 144031 | 12.77 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.79  | 67  | 120313 | 15.89 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 6.97  | 132 | 115601 | 13.93 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.14  | 113 | 124742 | 13.89 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.57  | 128 | 63621  | 15.53 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.29  | 143 | 71210  | 15.58 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.82  | 165 | 112696 | 13.16 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.33 | 131 | 136413 | 14.81 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.49 | 166 | 455785 | 18.43 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.75 | 160 | 423740 | 14.18 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.31 | 143 | 62547  | 13.39 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.07 | 176 | 358850 | 16.50 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.23 | 200 | 58819  | 13.16 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 16.92 | 188 | 502375 | 15.45 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.23 | 212 | 472072 | 13.23 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.02 | 264 | 435767 | 13.24 | ng/ul | -0.01 |

Target Compounds

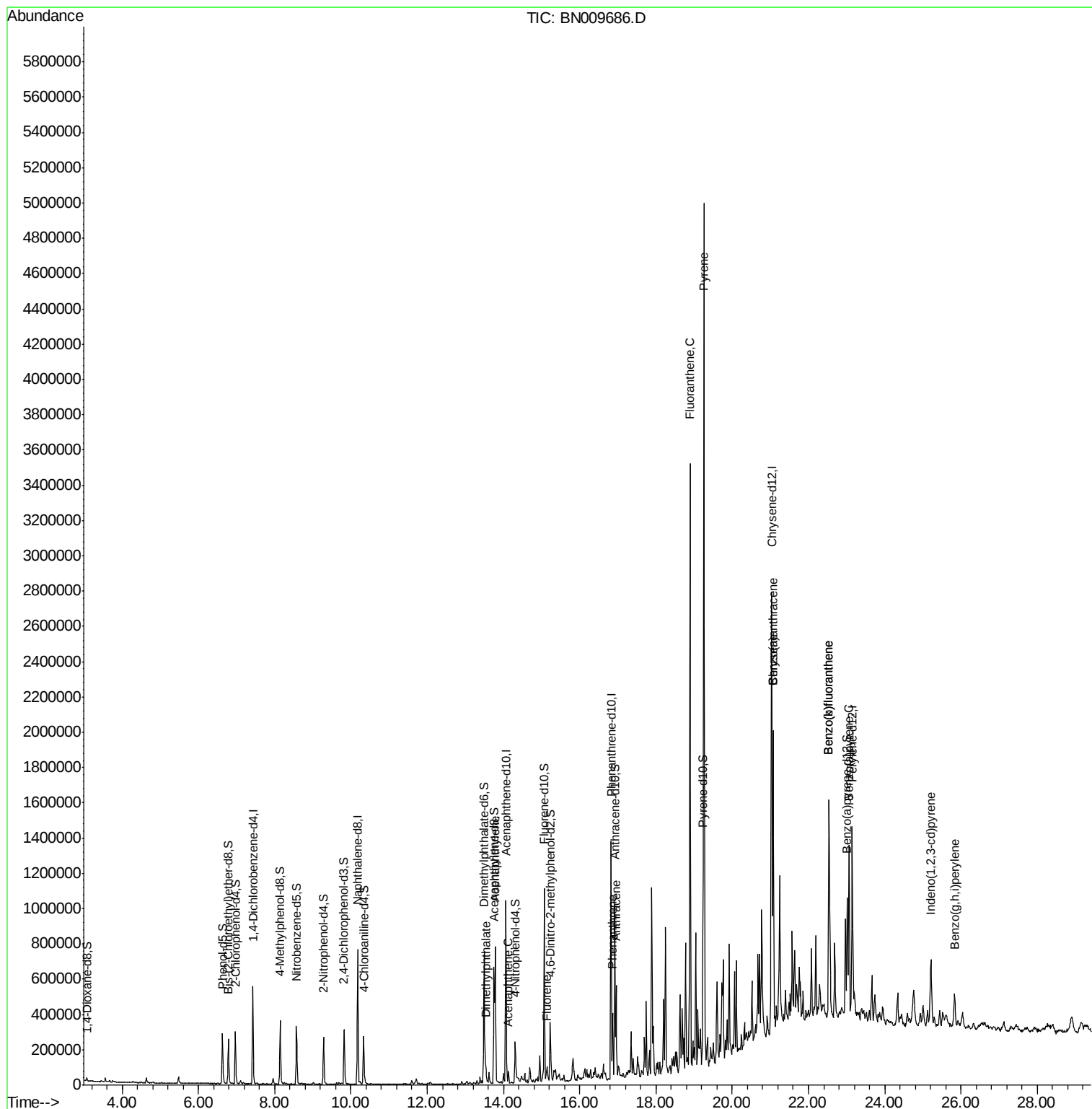
|                            |       |     |         |               | Qvalue |
|----------------------------|-------|-----|---------|---------------|--------|
| 44) Dimethylphthalate      | 13.54 | 163 | 42806   | 1.631 ng/ul   | 98     |
| 47) Acenaphthylene         | 13.78 | 152 | 525764  | 16.078 ng/ul  | 100    |
| 49) Acenaphthene           | 14.13 | 153 | 25134   | 1.131 ng/ul   | 93     |
| 58) Fluorene               | 15.15 | 166 | 38909   | 1.504 ng/ul#  | 52     |
| 69) Phenanthrene           | 16.86 | 178 | 203767  | 4.994 ng/ul   | 99     |
| 71) Anthracene             | 16.96 | 178 | 314732  | 7.603 ng/ul   | 99     |
| 76) Fluoranthene           | 18.89 | 202 | 1889901 | 40.586 ng/ul  | 99     |
| 79) Pyrene                 | 19.26 | 202 | 2724768 | 54.994 ng/ul  | 98     |
| 82) Benzo(a)anthracene     | 21.07 | 228 | 885566  | 18.897 ng/ul  | 94     |
| 84) Chrysene               | 21.07 | 228 | 885566  | 18.982 ng/ul  | 99     |
| 87) Benzo(b)fluoranthene   | 22.53 | 252 | 730314  | 17.459 ng/ul# | 97     |
| 88) Benzo(k)fluoranthene   | 22.53 | 252 | 730314  | 17.728 ng/ul# | 97     |
| 90) Benzo(a)pyrene         | 23.06 | 252 | 375955  | 9.700 ng/ul#  | 93     |
| 91) Indeno(1,2,3-cd)pyrene | 25.20 | 276 | 291060  | 6.317 ng/ul   | 94     |
| 93) Benzo(g,h,i)perylene   | 25.83 | 276 | 187680  | 4.860 ng/ul   | 96     |

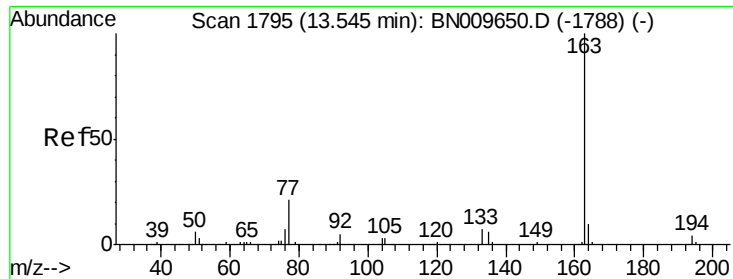
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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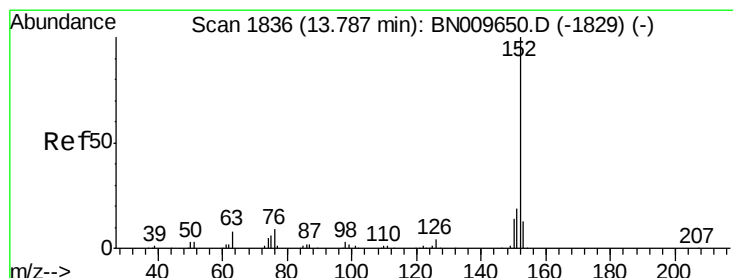
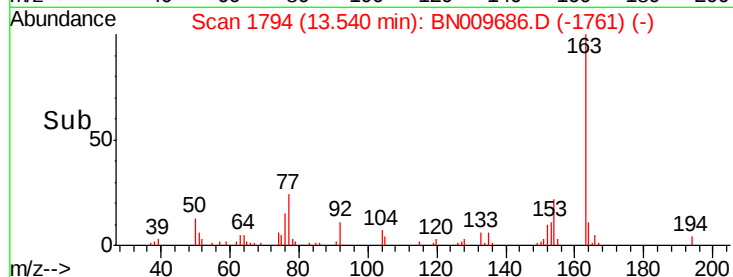
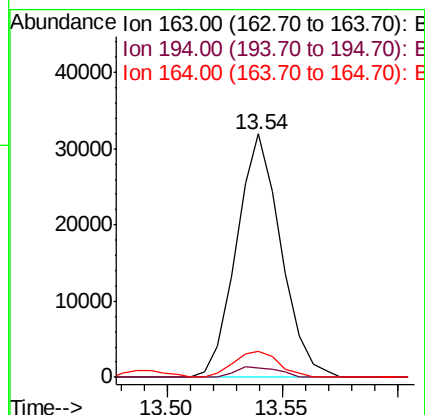
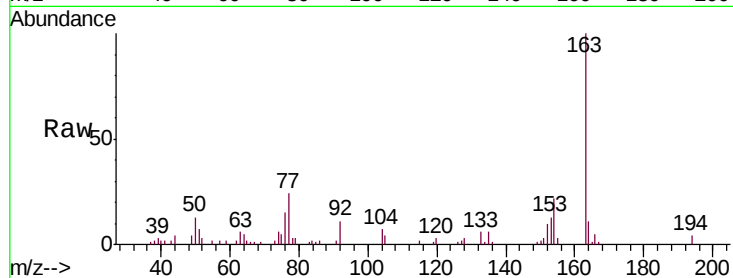




#44  
Dimethylphthalate  
Concen: 1.631 ng/ul  
RT: 13.54 min Scan# 1794  
Delta R.T. -0.01 min  
Lab File: BN009686.D  
Acq: 10 Feb 2020 15:36

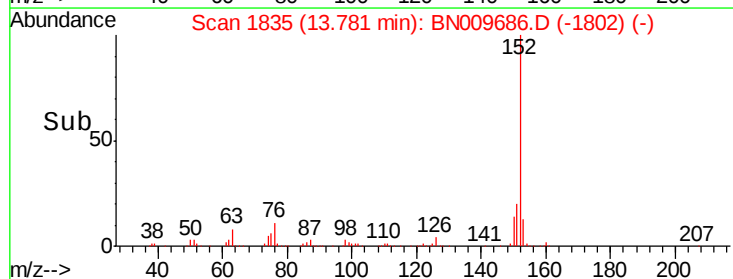
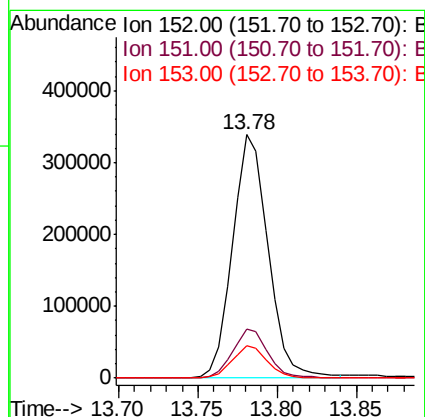
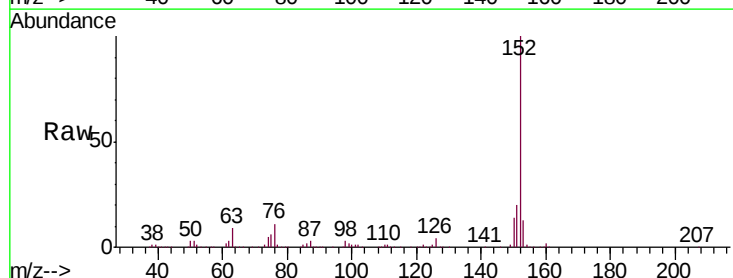
Instrument :  
BNA\_N  
ClientSampleId :  
GAT74ME

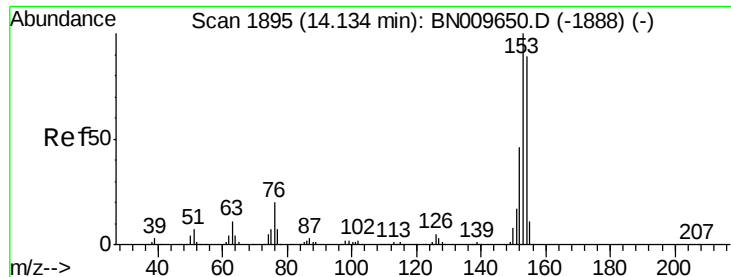
Tgt Ion:163 Resp: 42806  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.5 5.3  
164 10.9 8.0 12.0



#47  
Acenaphthylene  
Concen: 16.078 ng/ul  
RT: 13.78 min Scan# 1835  
Delta R.T. -0.01 min  
Lab File: BN009686.D  
Acq: 10 Feb 2020 15:36

Tgt Ion:152 Resp: 525764  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.2 24.2  
153 13.2 10.6 15.8





#49

Acenaphthene

Concen: 1.131 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Instrument :

BNA\_N

ClientSampleId :

GAT74ME

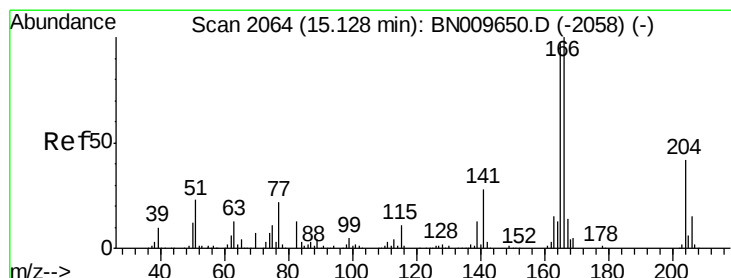
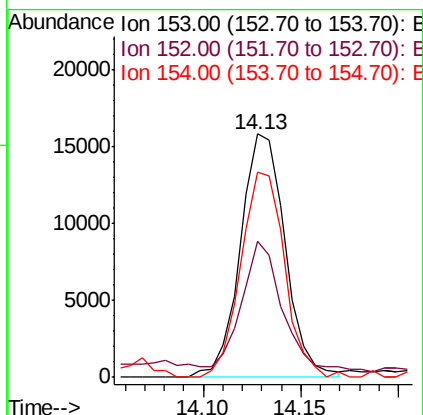
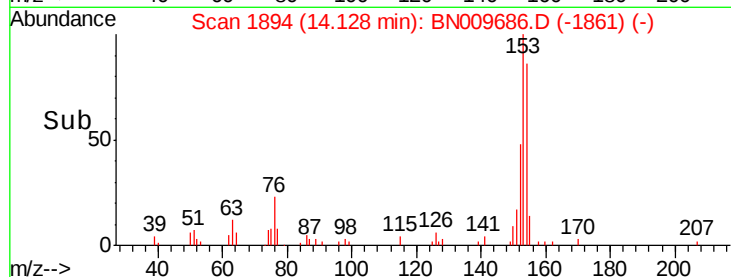
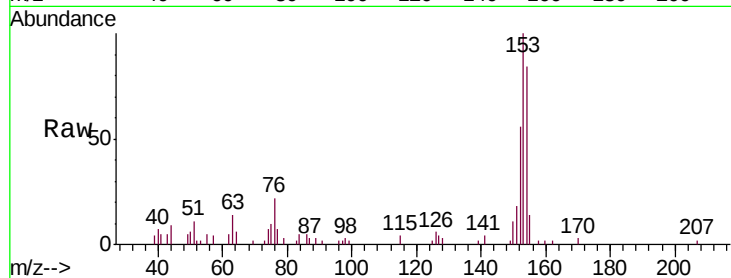
Tgt Ion:153 Resp: 25134

Ion Ratio Lower Upper

153 100

152 55.7 37.3 55.9

154 84.3 70.2 105.2



#58

Fluorene

Concen: 1.504 ng/ul

RT: 15.15 min Scan# 2067

Delta R.T. 0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

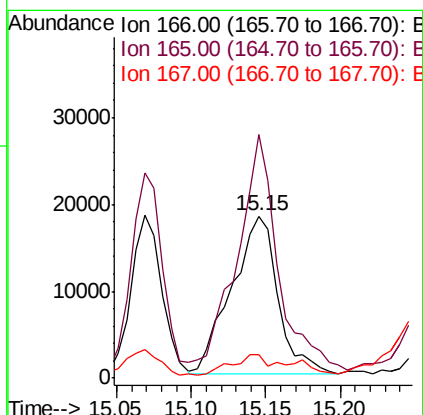
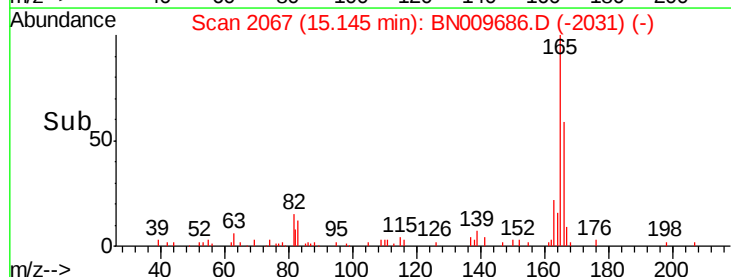
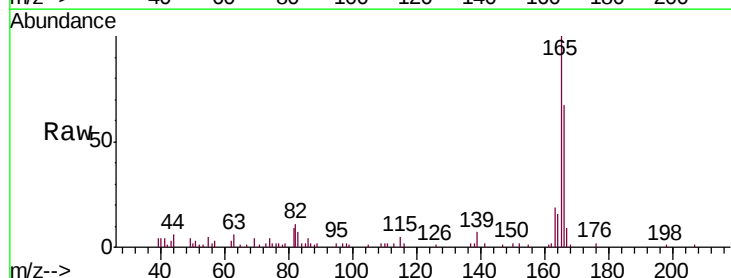
Tgt Ion:166 Resp: 38909

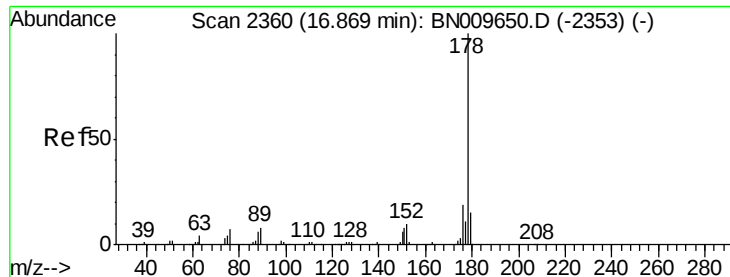
Ion Ratio Lower Upper

166 100

165 150.0 76.7 115.1#

167 14.1 11.1 16.7





#69

Phenanthrene

Concen: 4.994 ng/ul

RT: 16.86 min Scan# 2359

Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Instrument :

BNA\_N

ClientSampleId :

GAT74ME

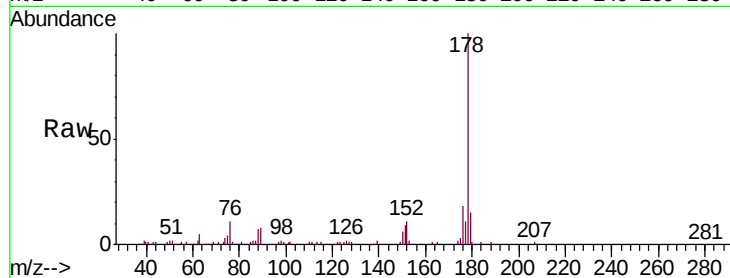
Tgt Ion:178 Resp: 203767

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.2

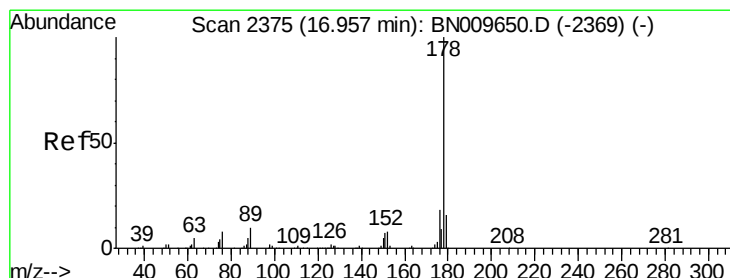
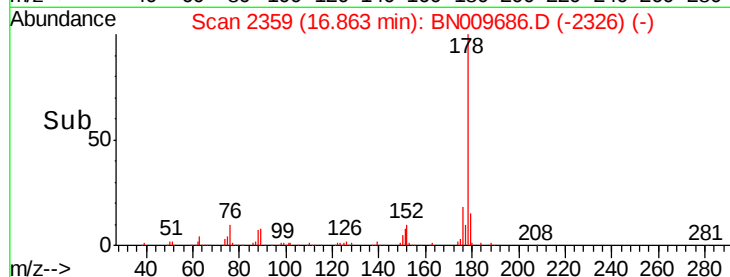
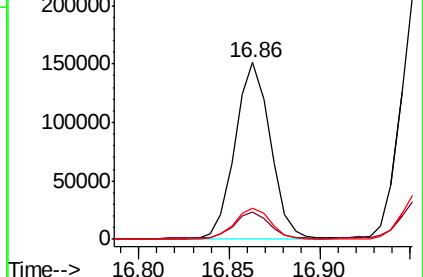
176 17.8 14.8 22.2



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



#71

Anthracene

Concen: 7.603 ng/ul

RT: 16.96 min Scan# 2375

Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

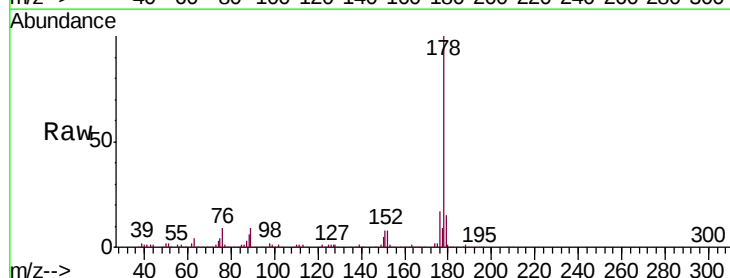
Tgt Ion:178 Resp: 314732

Ion Ratio Lower Upper

178 100

179 15.2 12.1 18.1

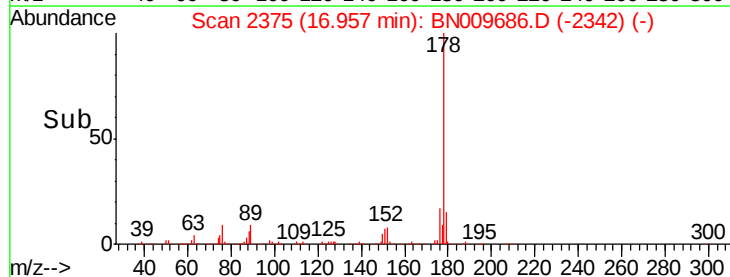
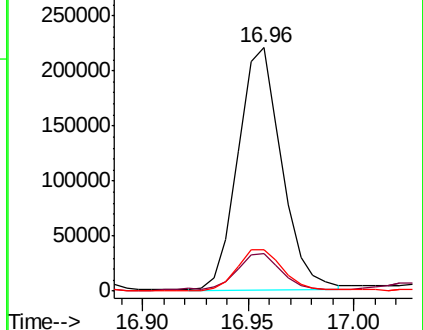
176 17.3 14.6 21.8

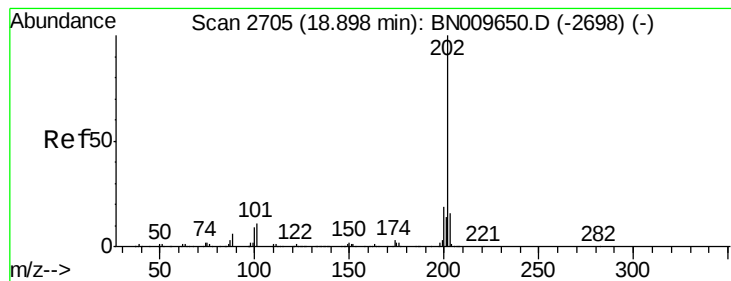


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 40.586 ng/ul

RT: 18.89 min Scan# 2704

Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Instrument :

BNA\_N

ClientSampleId :

GAT74ME

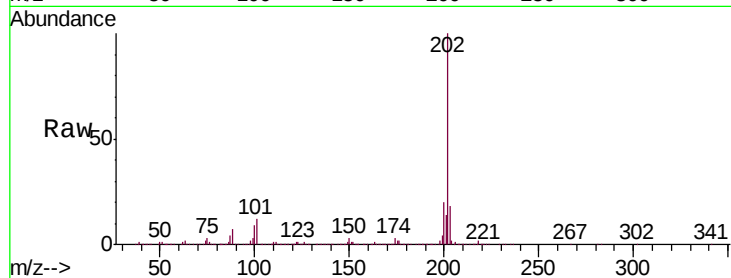
Tgt Ion:202 Resp: 1889901

Ion Ratio Lower Upper

202 100

101 11.7 9.2 13.8

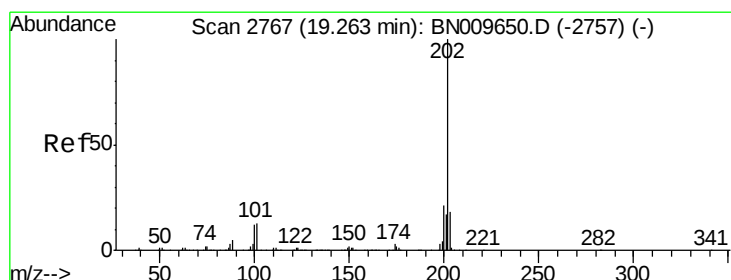
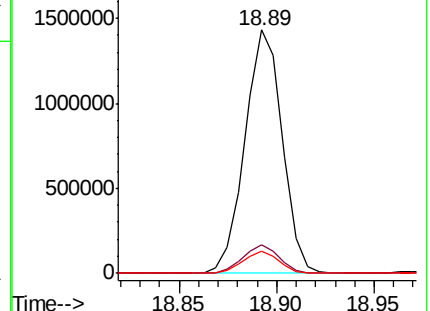
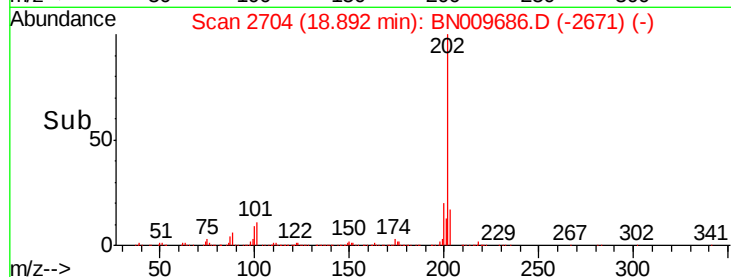
100 9.1 6.9 10.3



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



#79

Pyrene

Concen: 54.994 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

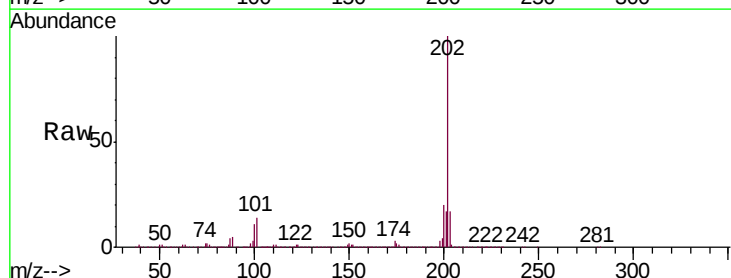
Tgt Ion:202 Resp: 2724768

Ion Ratio Lower Upper

202 100

101 13.6 10.3 15.5

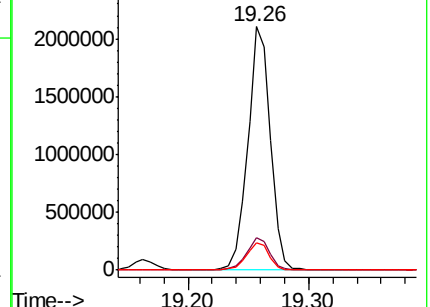
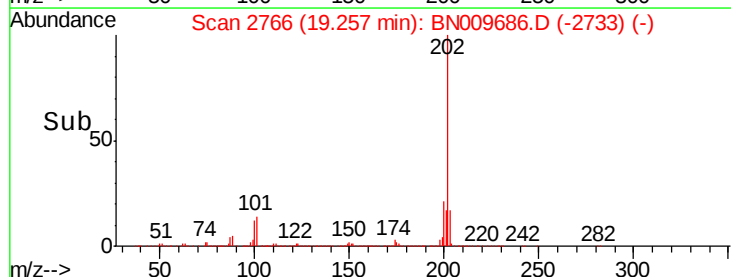
100 11.5 8.4 12.6

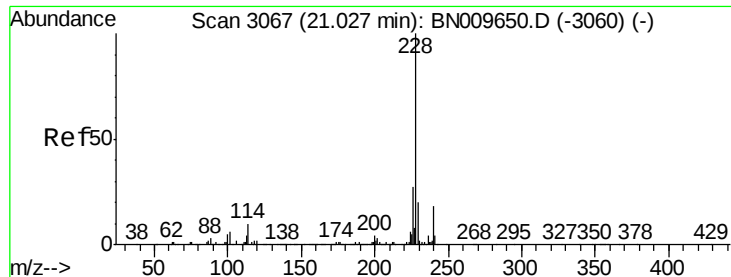


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 18.897 ng/u1

RT: 21.07 min Scan# 3075

Delta R.T. 0.04 min

Lab File: BN009686.D

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ClientSampleId :

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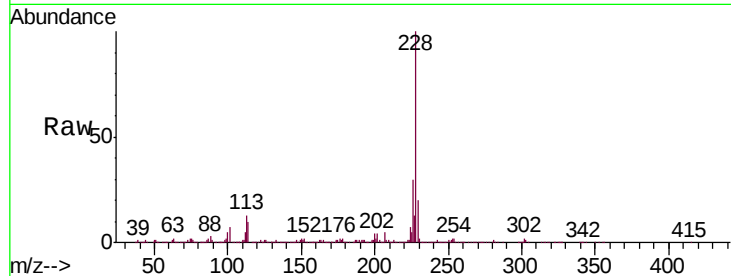
Tgt Ion:228 Resp: 885566

Ion Ratio Lower Upper

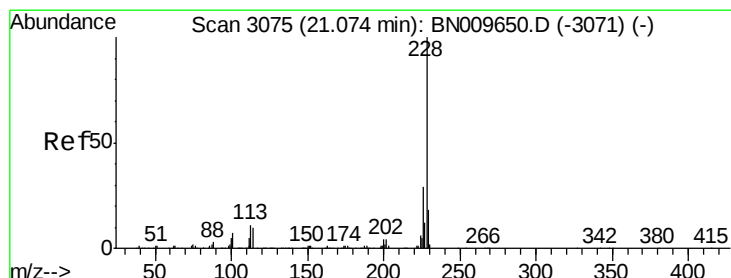
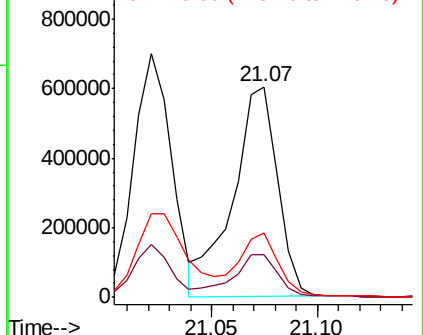
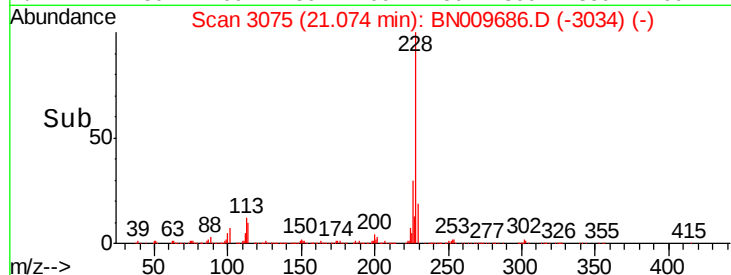
228 100

229 20.0 15.0 22.4

226 30.4 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



#84

Chrysene

Concen: 18.982 ng/u1

RT: 21.07 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

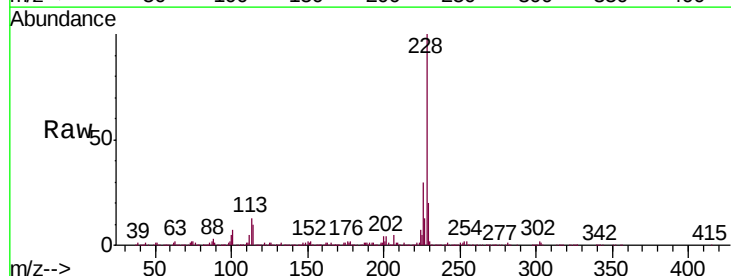
Tgt Ion:228 Resp: 885566

Ion Ratio Lower Upper

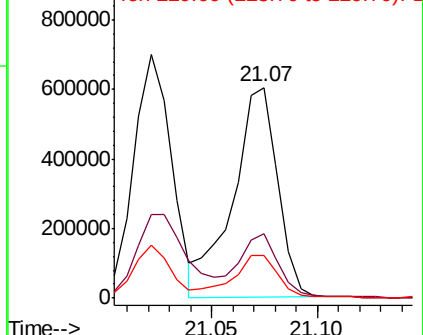
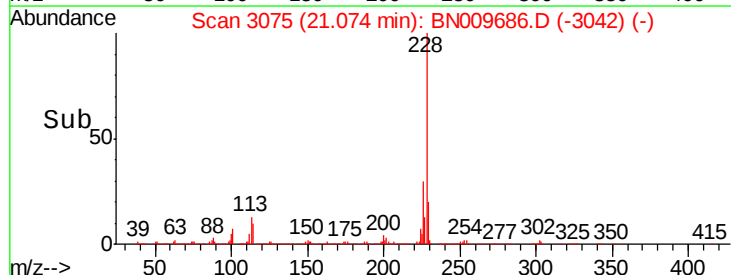
228 100

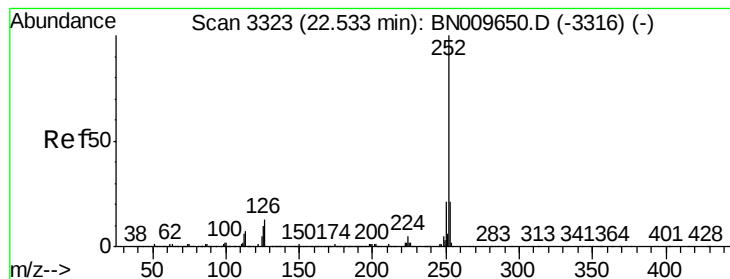
226 30.4 23.5 35.3

229 20.0 15.8 23.8



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





#87

Benzo(b)fluoranthene

Concen: 17.459 ng/u1

RT: 22.53 min Scan# 3323

Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Instrument :

BNA\_N

ClientSampleId :

GAT74ME

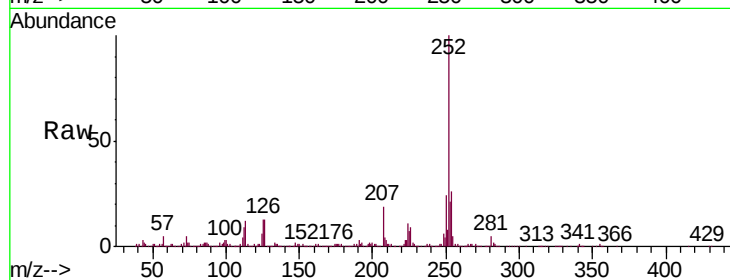
Tgt Ion:252 Resp: 730314

Ion Ratio Lower Upper

252 100

253 20.6 17.0 25.6

125 12.6 8.2 12.2#

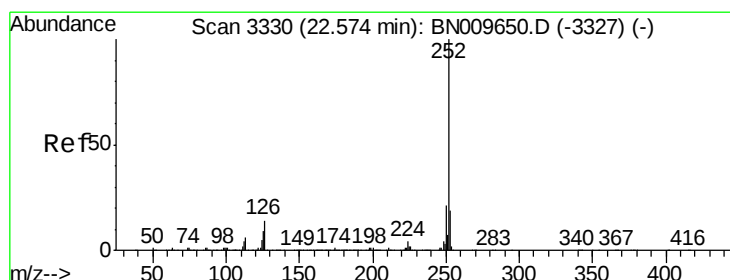
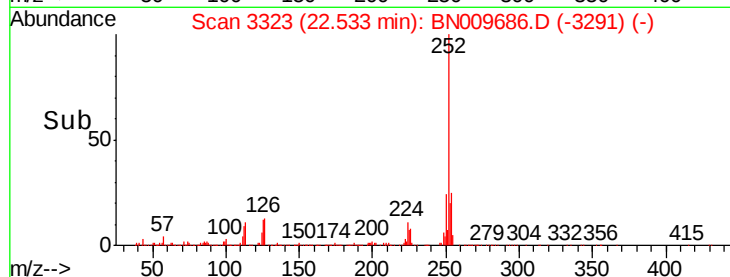
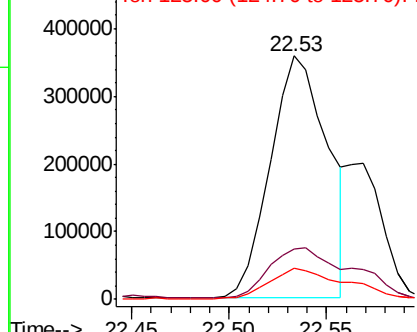


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 17.728 ng/u1

RT: 22.53 min Scan# 3323

Delta R.T. -0.05 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

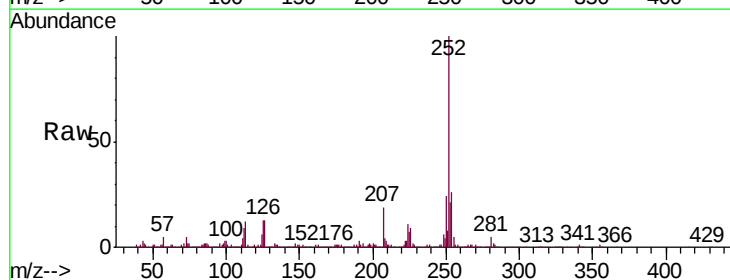
Tgt Ion:252 Resp: 730314

Ion Ratio Lower Upper

252 100

253 20.6 17.0 25.4

125 12.6 8.0 12.0#

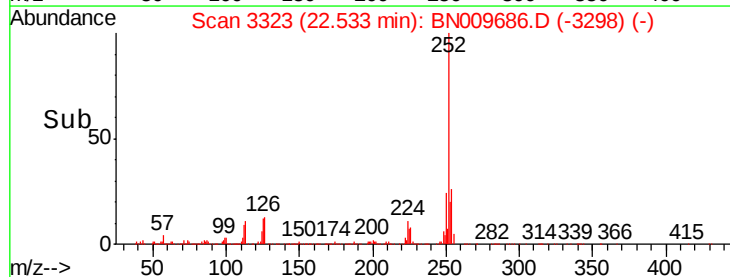
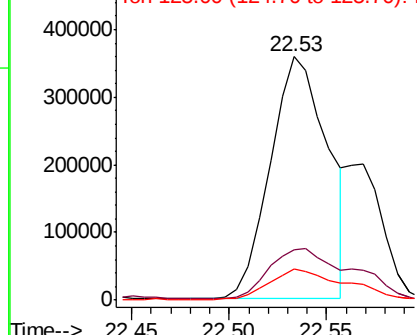


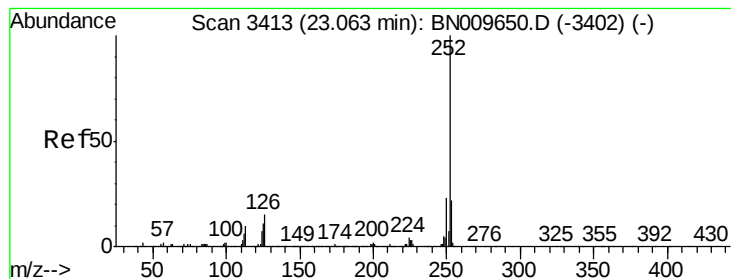
Abundance

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

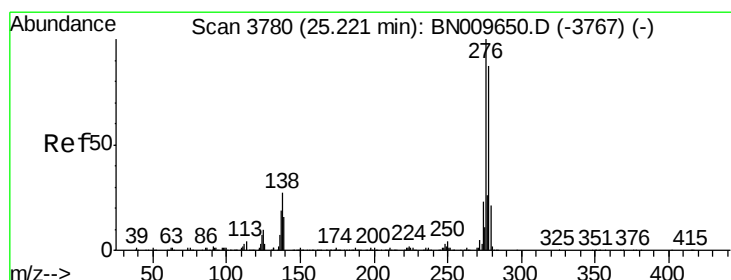
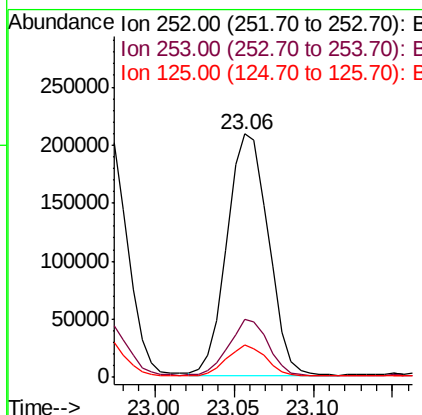
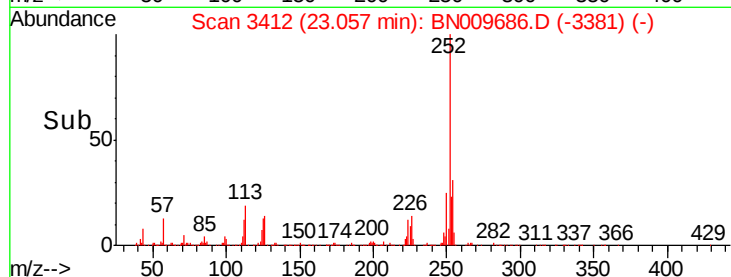
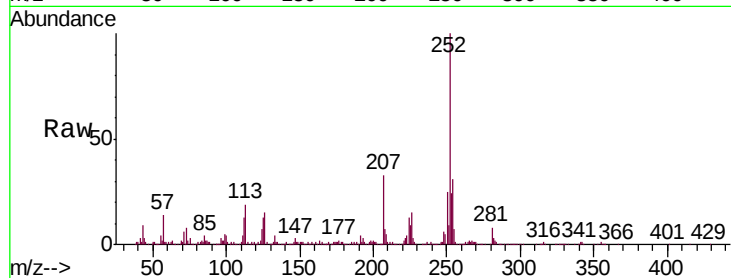




#90  
Benzo(a)pyrene  
Concen: 9.700 ng/ul  
RT: 23.06 min Scan# 3412  
Delta R.T. -0.02 min  
Lab File: BN009686.D  
Acq: 10 Feb 2020 15:36

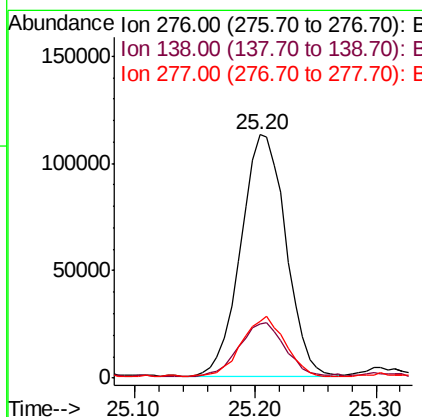
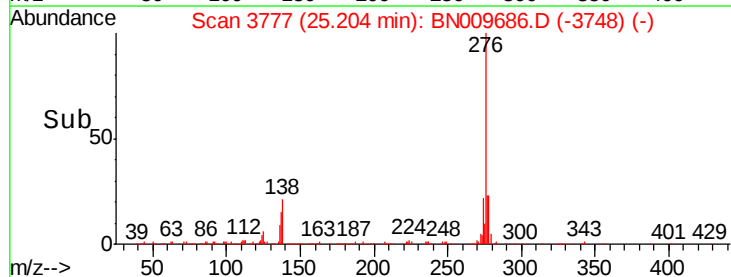
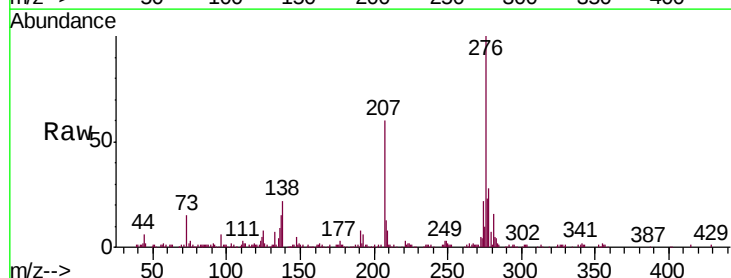
Instrument :  
BNA\_N  
ClientSampleId :  
GAT74ME

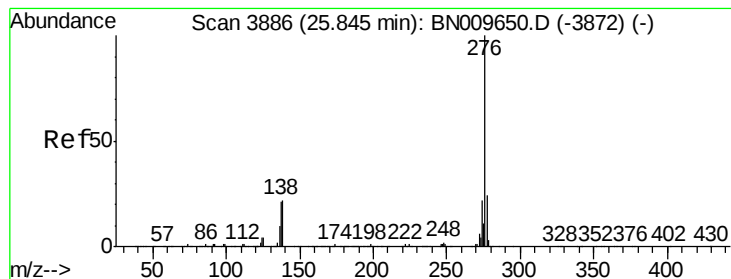
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 15.8  | 23.8  |
| 125     | 13.2  | 8.7   | 13.1  |



#91  
Indeno(1,2,3-cd)pyrene  
Concen: 6.317 ng/ul  
RT: 25.20 min Scan# 3777  
Delta R.T. -0.03 min  
Lab File: BN009686.D  
Acq: 10 Feb 2020 15:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.1  | 20.3  | 30.5  |
| 277     | 23.2  | 21.2  | 31.8  |





#93

Benzo(g,h,i)perylene

Concen: 4.860 ng/ul

RT: 25.83 min Scan# 3884

Delta R.T. -0.02 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Instrument :

BNA\_N

ClientSampleId :

GAT74ME

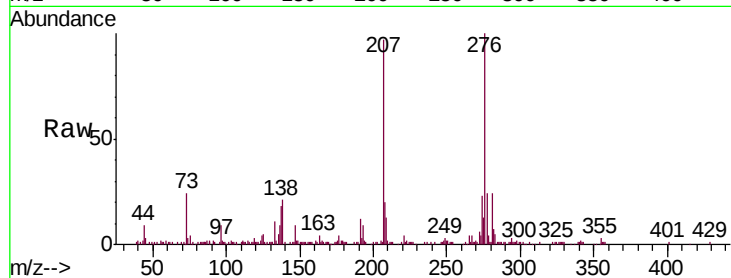
Tgt Ion: 276 Resp: 187680

Ion Ratio Lower Upper

276 100

138 21.4 16.0 24.0

277 23.7 17.0 25.6



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

