

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090820\  
 Data File : BP003236.D  
 Acq On : 08 Sep 2020 20:20  
 Operator : CG/JU  
 Sample : L3915-13  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-PM-A2-10-14-C

Quant Time: Sep 09 00:53:21 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 01 14:37:05 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 255952   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.44 | 136  | 808458   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.31 | 164  | 430540   | 20.00 | ng    | 0.02     |
| 64) Phenanthrene-d10      | 17.06 | 188  | 799865   | 20.00 | ng    | 0.02     |
| 76) Chrysene-d12          | 21.15 | 240  | 883079   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.39 | 264  | 1001850  | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.26  | 112 | 1243127 | 85.87 | ng | 0.00 |
| 7) Phenol-d6             | 6.84  | 99  | 1458600 | 80.37 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.80  | 82  | 831842  | 74.18 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.81 | 330 | 514211  | 88.31 | ng | 0.02 |
| 45) 2-Fluorobiphenyl     | 12.92 | 172 | 1875296 | 63.79 | ng | 0.00 |
| 79) Terphenyl-d14        | 19.63 | 244 | 1951174 | 48.62 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 9) Benzaldehyde                | 6.81  | 77  | 17859   | 2.111   | ng | # 1    |
| 18) Hexachloroethane           | 8.76  | 117 | 317465  | 48.983  | ng | # 1    |
| 19) n-Nitroso-di-n-propylamine | 8.43  | 70  | 20840   | 2.542   | ng | # 67   |
| 22) Acetophenone               | 8.46  | 105 | 114775  | 6.375   | ng | # 57   |
| 24) Nitrobenzene               | 8.84  | 77  | 43079   | 3.911   | ng | # 54   |
| 25) Isophorone                 | 9.38  | 82  | 188788  | 9.541   | ng | # 1    |
| 26) 2-Nitrophenol              | 9.59  | 139 | 22656   | 3.451   | ng | # 1    |
| 31) Naphthalene                | 10.49 | 128 | 2225252 | 53.574  | ng | # 96   |
| 32) Benzoic acid               | 9.78  | 122 | 2749    | 9.289   | ng | # 1    |
| 33) 4-Chloroaniline            | 10.56 | 127 | 77025   | 4.438   | ng | # 1    |
| 35) Caprolactam                | 11.32 | 113 | 10242   | 2.784   | ng | # 1    |
| 36) 4-Chloro-3-methylphenol    | 11.75 | 107 | 27353   | 2.393   | ng | # 37   |
| 37) 2-Methylnaphthalene        | 12.12 | 142 | 1640971 | 55.227  | ng | # 97   |
| 38) 1-Methylnaphthalene        | 12.34 | 142 | 3757173 | 133.037 | ng | # 100  |
| 48) 2-Nitroaniline             | 13.42 | 65  | 12340   | 2.493   | ng | # 1    |
| 49) Acenaphthylene             | 14.03 | 152 | 393863  | 9.854   | ng | # 21   |
| 50) Dimethylphthalate          | 13.76 | 163 | 203669  | 6.203   | ng | # 76   |
| 51) 2,6-Dinitrotoluene         | 13.89 | 165 | 24726   | 3.624   | ng | # 1    |
| 52) Acenaphthene               | 14.37 | 154 | 593132  | 24.154  | ng | # 96   |
| 53) 3-Nitroaniline             | 14.22 | 138 | 27783   | 3.594   | ng | # 47   |
| 54) 2,4-Dinitrophenol          | 14.40 | 184 | 832     | 7.957   | ng | # 1    |
| 55) Dibenzofuran               | 14.71 | 168 | 709039  | 18.385  | ng | # 55   |
| 56) 4-Nitrophenol              | 14.53 | 139 | 316311  | 56.870  | ng | # 54   |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165 | 200470  | 21.850  | ng | # 64   |
| 58) Fluorene                   | 15.36 | 166 | 937420  | 31.554  | ng | # 88   |
| 66) n-Nitrosodiphenylamine     | 15.59 | 169 | 1596308 | 68.252  | ng | # 45   |
| 71) Phenanthrene               | 17.11 | 178 | 4784023 | 110.379 | ng | # 97   |
| 72) Anthracene                 | 17.11 | 178 | 4784023 | 115.332 | ng | # 96   |
| 73) Carbazole                  | 17.47 | 167 | 126200  | 3.170   | ng | # 1    |
| 75) Fluoranthene               | 19.09 | 202 | 2659250 | 53.086  | ng | # 98   |
| 78) Pyrene                     | 19.43 | 202 | 2645598 | 46.159  | ng | # 99   |
| 81) Benzo(a)anthracene         | 21.13 | 228 | 1040604 | 18.812  | ng | # 96   |
| 83) Chrysene                   | 21.19 | 228 | 1054785 | 19.916  | ng | # 98   |
| 84) Bis(2-ethylhexyl)phthalate | 21.07 | 149 | 86489   | 2.538   | ng | # 93   |

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 Sample : L3915-13  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

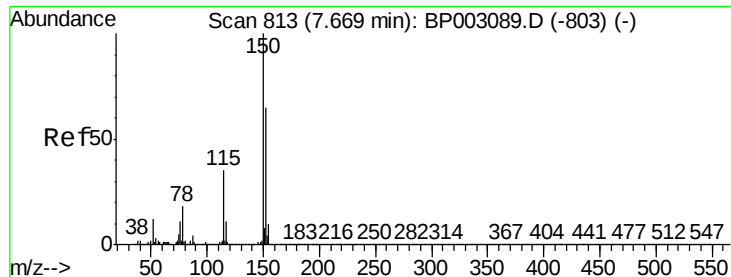
Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-PM-A2-10-14-C

Quant Time: Sep 09 00:53:21 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M  
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| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 87) Indeno(1,2,3-cd)pyrene | 25.67 | 276  | 915600   | 12.255 | nq    | 96       |
| 88) Benzo(b)fluoranthene   | 22.72 | 252  | 2114048  | 33.951 | nq #  | 97       |
| 89) Benzo(k)fluoranthene   | 22.72 | 252  | 2114048  | 35.534 | nq    | 97       |
| 90) Benzo(a)pyrene         | 23.29 | 252  | 934788   | 16.182 | nq    | 97       |
| 91) Dibenzo(a,h)anthracene | 25.66 | 278  | 229808   | 3.744  | nq #  | 85       |
| 92) Benzo(a,h,i)perylene   | 26.36 | 276  | 1068887  | 17.354 | nq    | 98       |

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



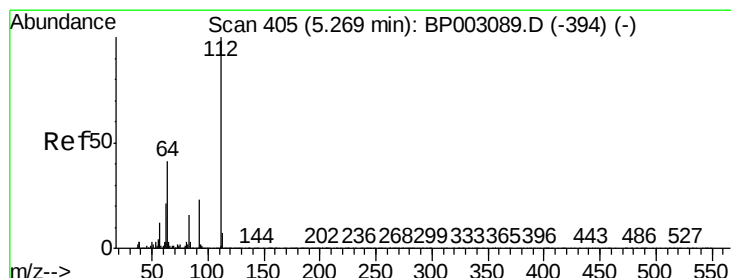
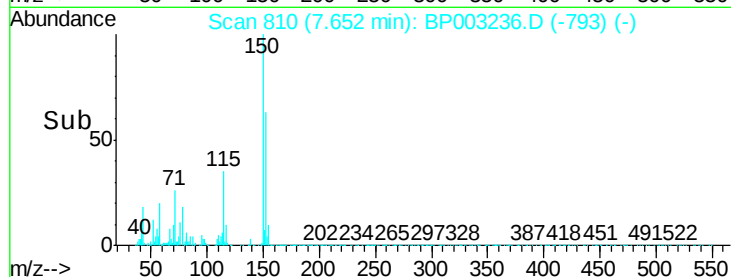
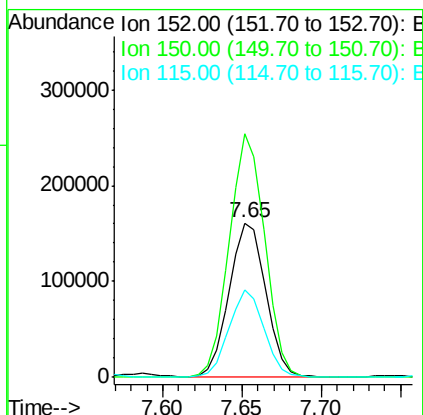
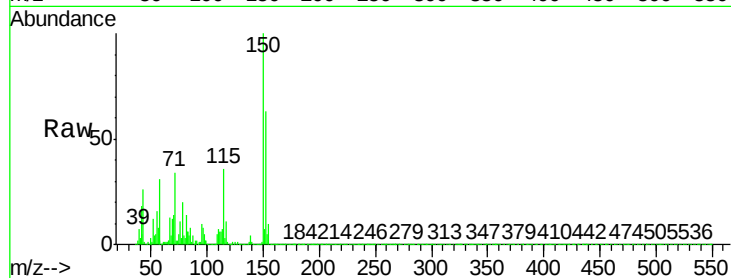


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.65 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

Instrument :  
BNA\_P  
ClientSampleId :  
WC-PM-A2-10-14-C

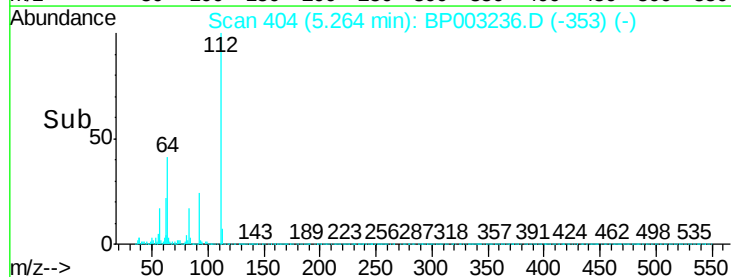
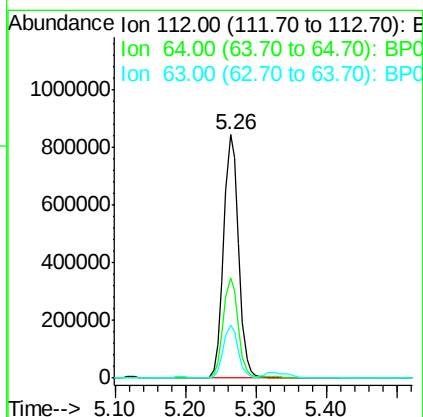
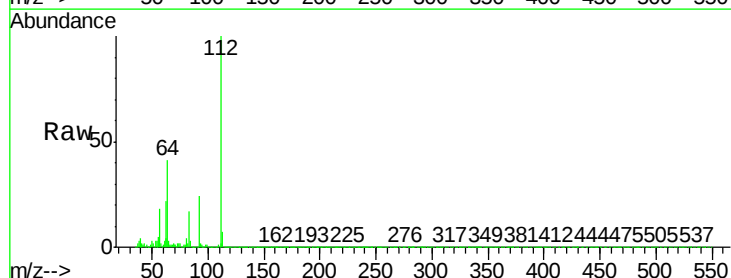
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Ion Ratio Lower Upper  
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150 158.0 123.8 185.6  
115 56.6 43.8 65.6

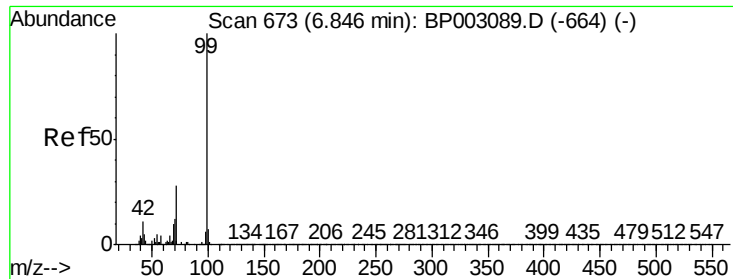


#5

2-Fluorophenol  
Concen: 85.871 ng  
RT: 5.26 min Scan# 404  
Delta R.T. -0.00 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

Tgt Ion:112 Resp: 1243127  
Ion Ratio Lower Upper  
112 100  
64 40.9 32.8 49.2  
63 22.0 17.0 25.4





#7

Phenol-d6

Concen: 80.374 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

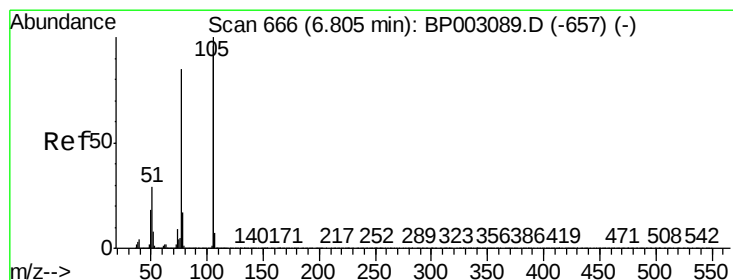
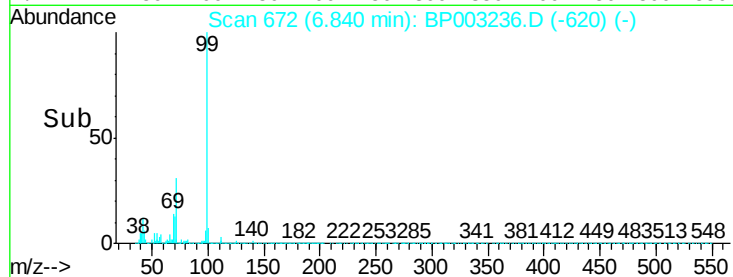
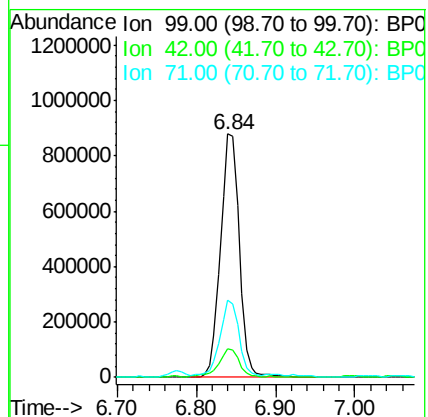
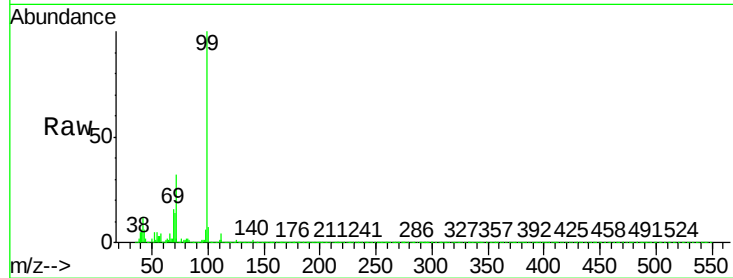
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Ion Ratio Lower Upper

99 100

42 11.7 8.6 13.0

71 31.7 23.4 35.2



#9

Benzaldehyde

Concen: 2.111 ng

RT: 6.81 min Scan# 667

Delta R.T. 0.02 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

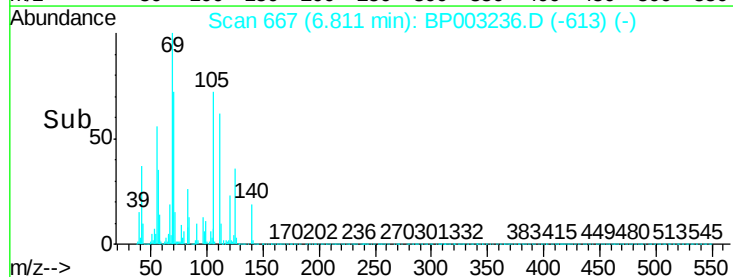
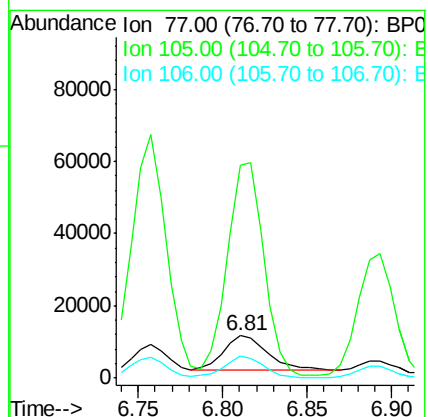
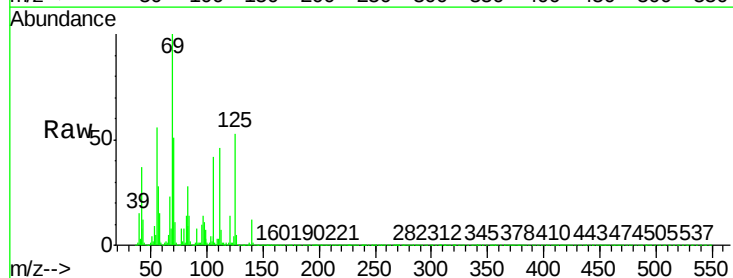
Tgt Ion: 77 Resp: 17859

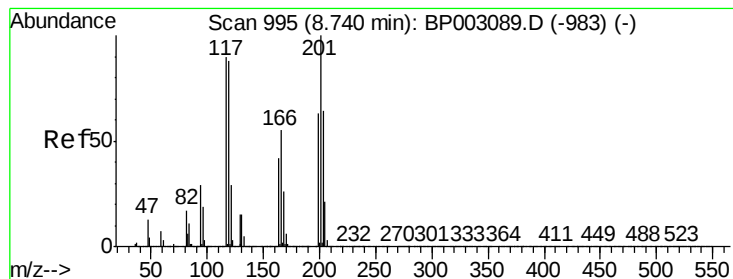
Ion Ratio Lower Upper

77 100

105 499.2 97.1 137.1#

106 51.7 93.7 133.7#





#18

Hexachloroethane

Concen: 48.983 ng

RT: 8.76 min Scan# 999

Delta R.T. 0.04 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

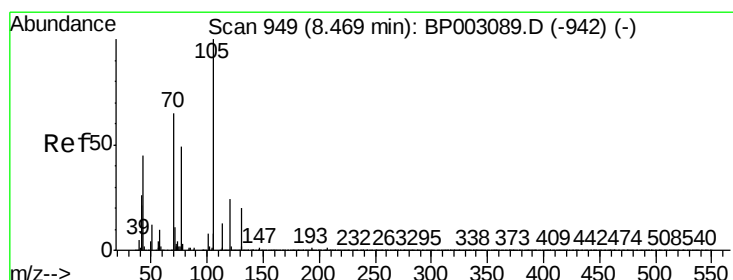
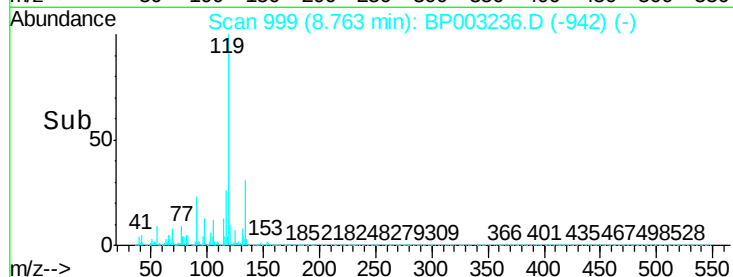
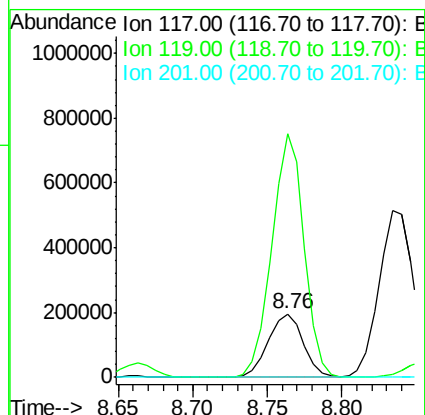
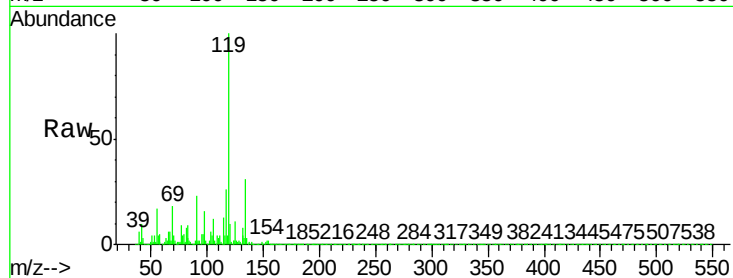
Tot Ion:117 Resp: 317465

Ion Ratio Lower Upper

117 100

119 383.3 78.8 118.2#

201 0.0 92.3 138.5#



#19

n-Nitroso-di-n-propylamine

Concen: 2.542 ng

RT: 8.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Tgt Ion: 70 Resp: 20840

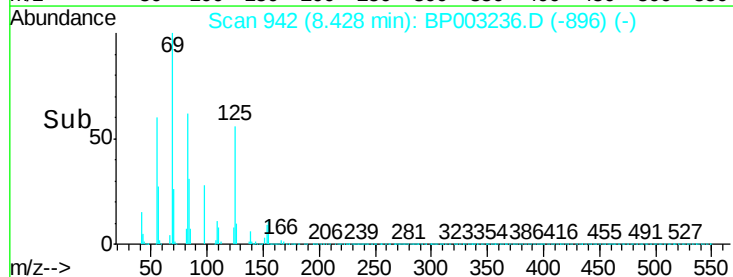
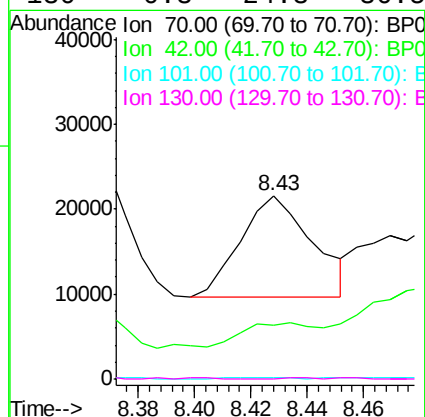
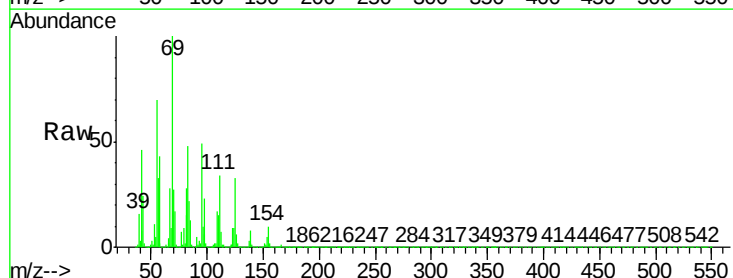
Ion Ratio Lower Upper

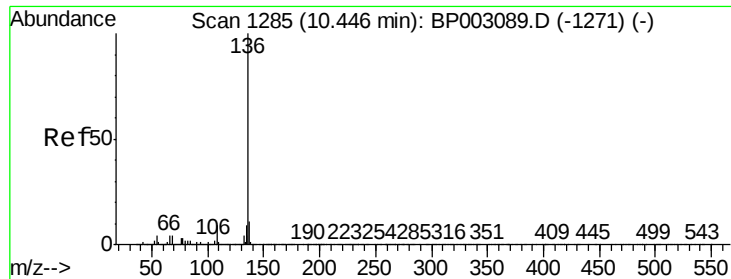
70 100

42 29.7 32.8 49.2#

101 0.4 9.6 14.4#

130 0.3 24.3 36.5#

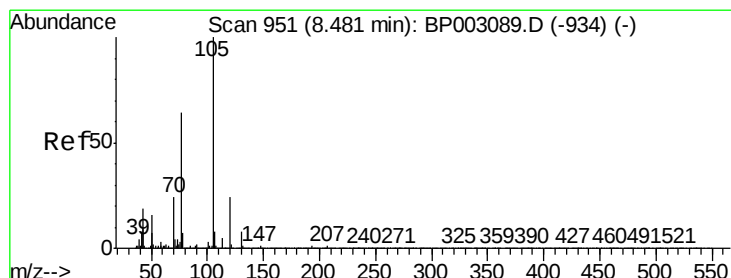
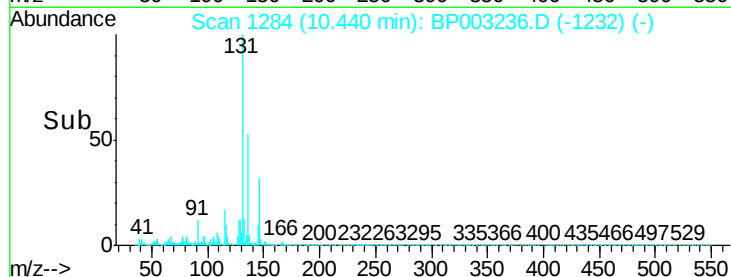
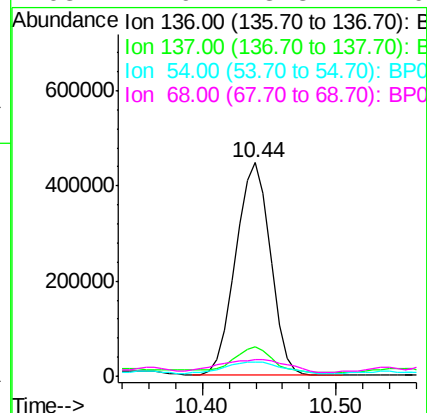
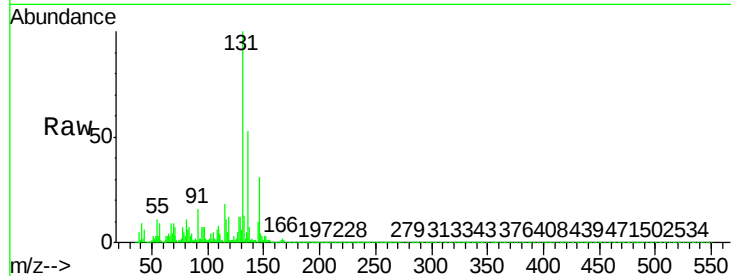




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.44 min Scan# 1284  
Delta R.T. 0.01 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

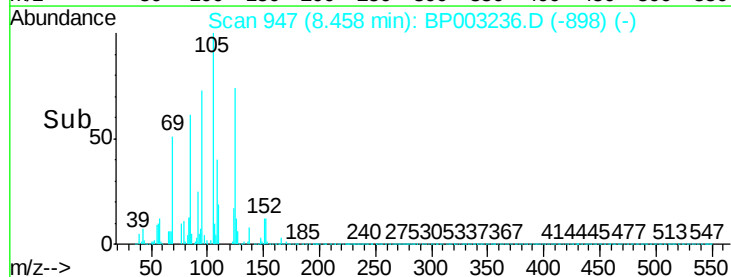
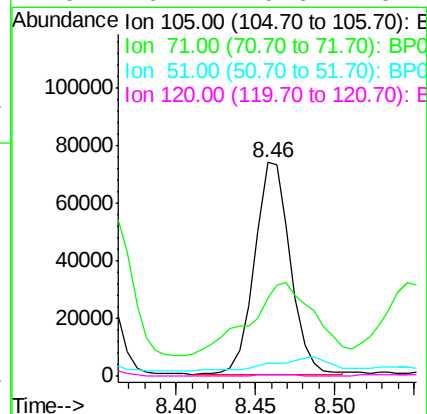
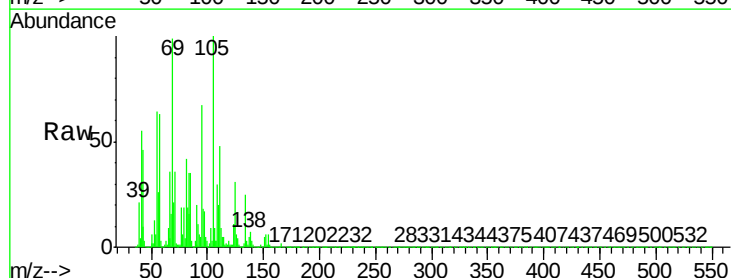
Instrument :  
BNA\_P  
ClientSampleId :  
WC-PM-A2-10-14-C

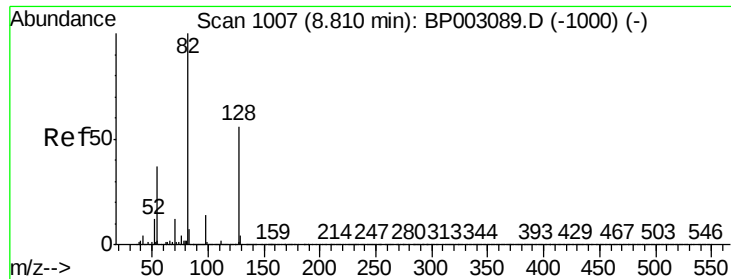
| Tot Ion:136 | Resp: | 808458      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 13.6  | 8.6 13.0#   |
| 54          | 6.5   | 3.6 5.4#    |
| 68          | 7.9   | 3.3 4.9#    |



#22  
Acetophenone  
Concen: 6.375 ng  
RT: 8.46 min Scan# 947  
Delta R.T. -0.01 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

| Tgt Ion:105 | Resp: | 114775      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 71          | 36.3  | 2.6 3.8#    |
| 51          | 6.0   | 13.5 20.3#  |
| 120         | 0.7   | 19.6 29.4#  |

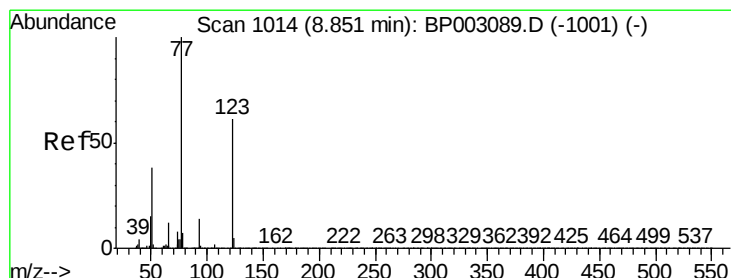
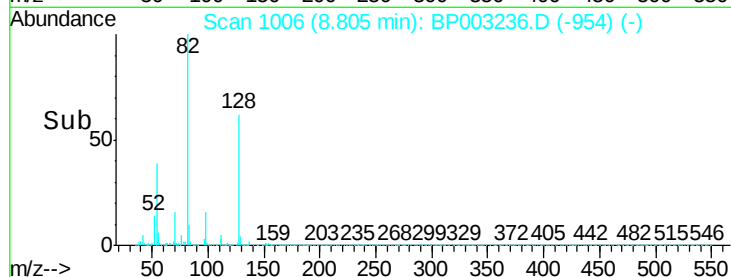
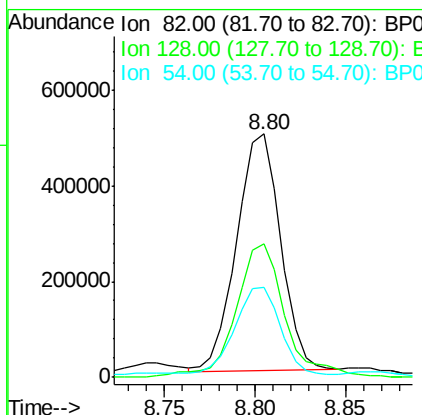
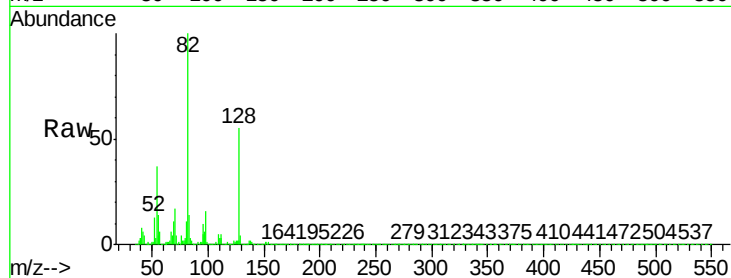




#23  
 Nitrobenzene-d5  
 Concen: 74.176 ng  
 RT: 8.80 min Scan# 1006  
 Delta R.T. 0.01 min  
 Lab File: BP003236.D  
 Acq: 08 Sep 2020 20:20

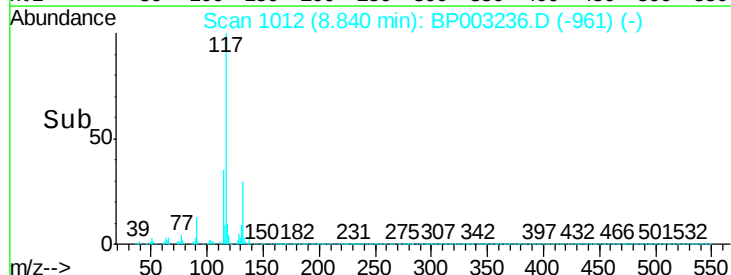
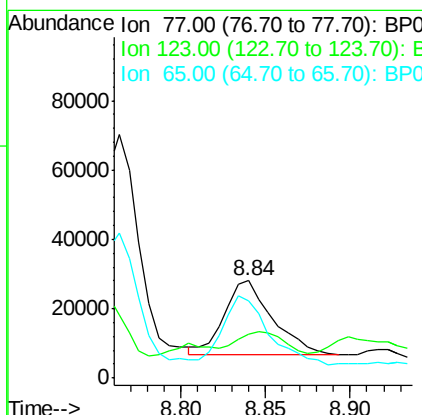
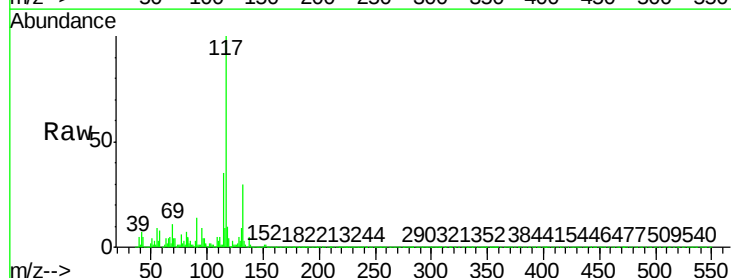
Instrument :  
 BNA\_P  
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 WC-PM-A2-10-14-C

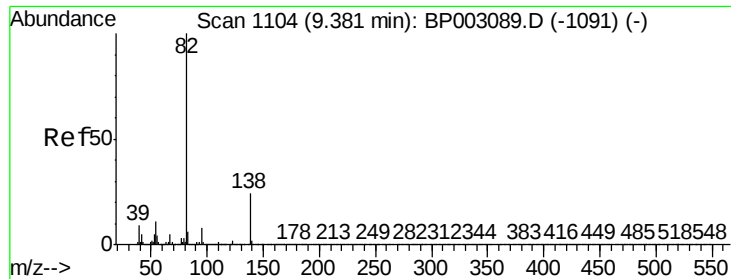
Tot Ion: 82 Resp: 831842  
 Ion Ratio Lower Upper  
 82 100  
 128 55.0 45.6 68.4  
 54 36.9 30.1 45.1



#24  
 Nitrobenzene  
 Concen: 3.911 ng  
 RT: 8.84 min Scan# 1012  
 Delta R.T. -0.00 min  
 Lab File: BP003236.D  
 Acq: 08 Sep 2020 20:20

Tgt Ion: 77 Resp: 43079  
 Ion Ratio Lower Upper  
 77 100  
 123 45.5 48.6 72.8#  
 65 79.8 10.0 15.0#





#25

Isophorone

Concen: 9.541 ng

RT: 9.38 min Scan# 1103

Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

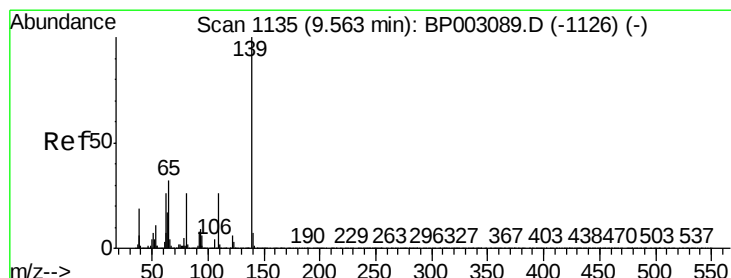
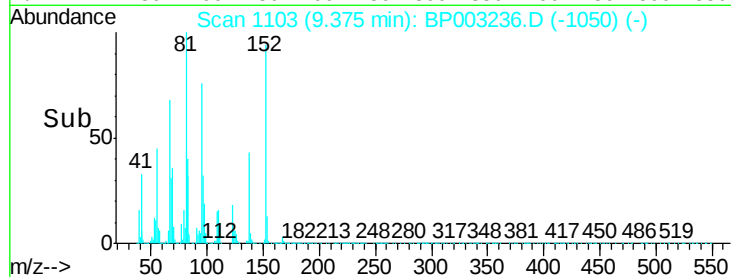
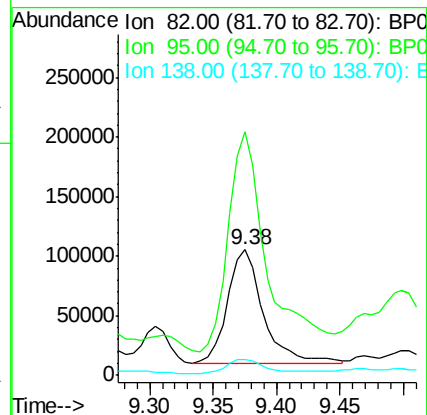
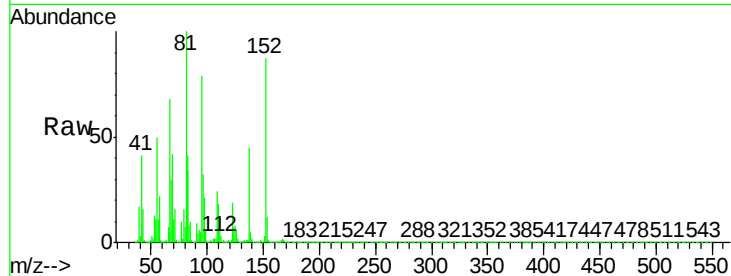
Tot Ion: 82 Resp: 188788

Ion Ratio Lower Upper

82 100

95 194.2 6.4 9.6#

138 12.9 18.7 28.1#



#26

2-Nitrophenol

Concen: 3.451 ng

RT: 9.59 min Scan# 1139

Delta R.T. 0.04 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

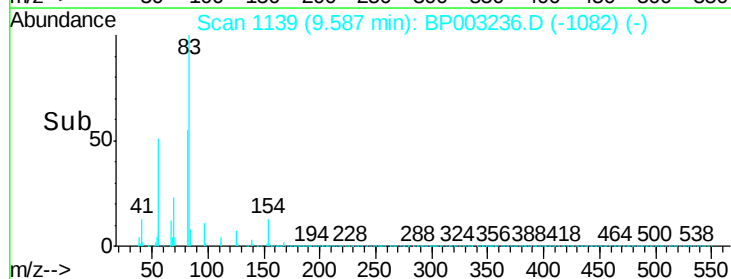
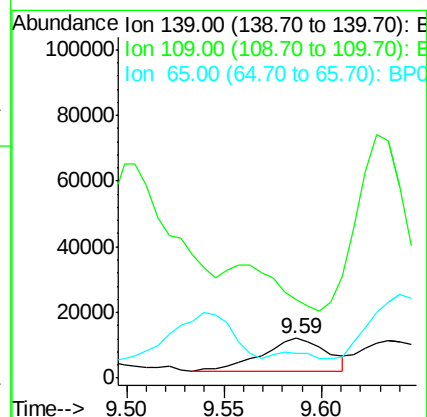
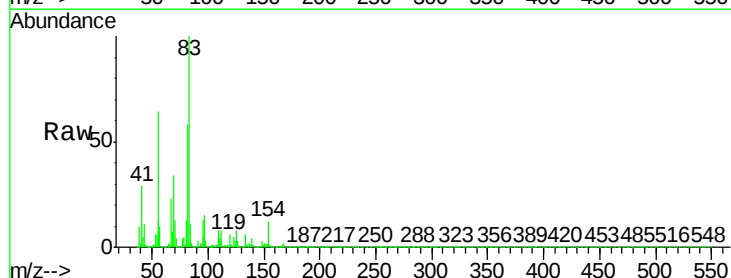
Tgt Ion: 139 Resp: 22656

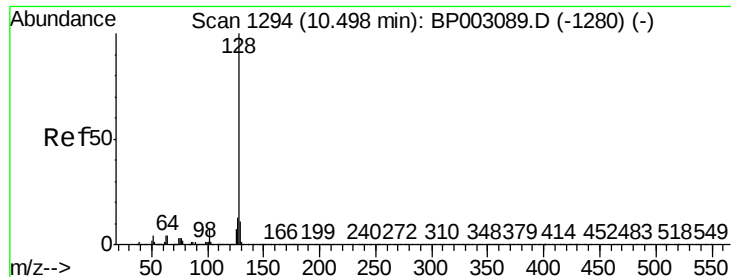
Ion Ratio Lower Upper

139 100

109 200.2 22.1 33.1#

65 64.0 26.5 39.7#

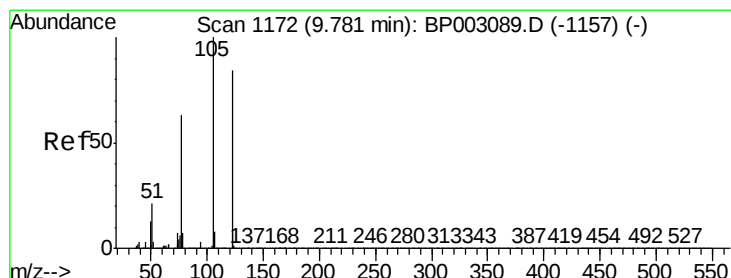
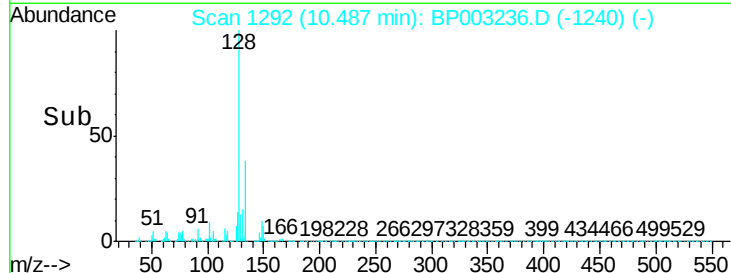
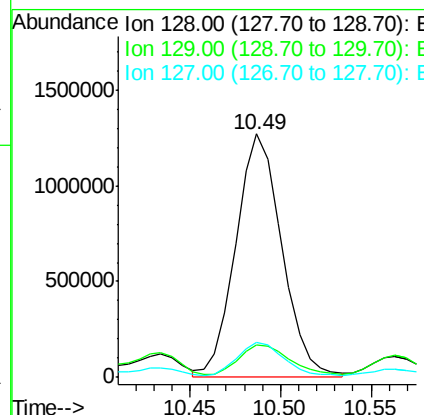
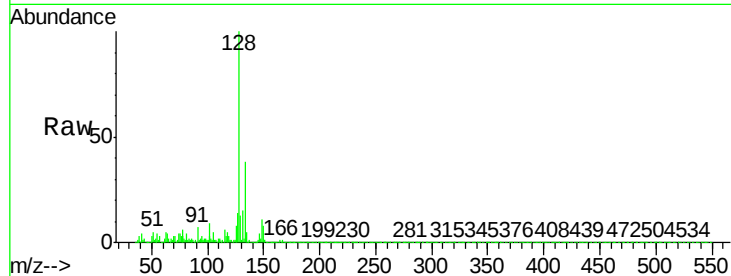




#31  
Naphthalene  
Concen: 53.574 ng  
RT: 10.49 min Scan# 1292  
Delta R.T. 0.01 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

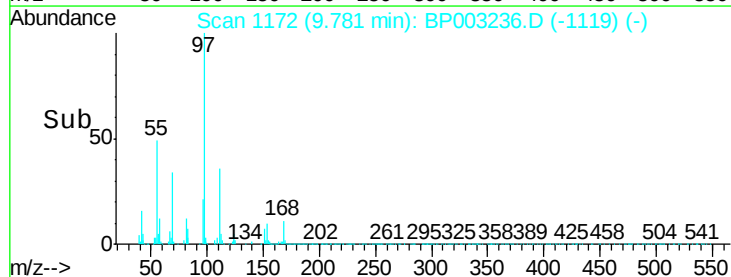
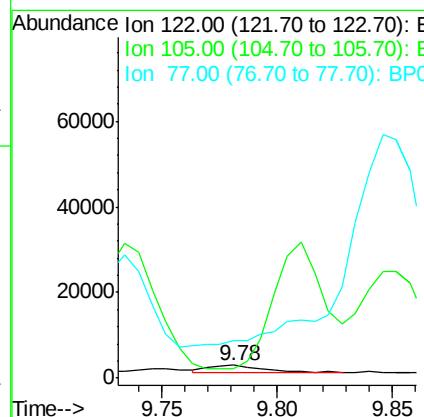
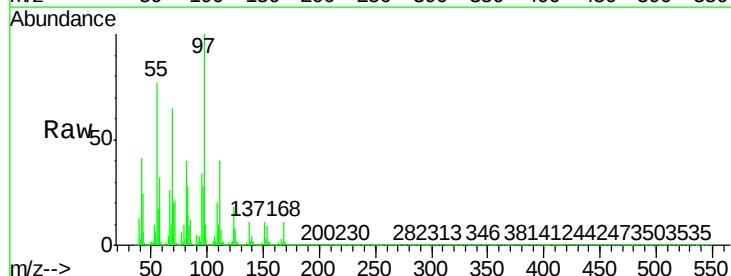
Instrument :  
BNA\_P  
ClientSampleId :  
WC-PM-A2-10-14-C

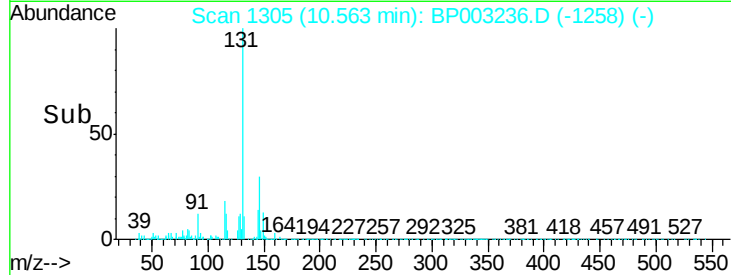
Tot Ion:128 Resp: 2225252  
Ion Ratio Lower Upper  
128 100  
129 13.3 8.8 13.2#  
127 14.4 10.6 15.8



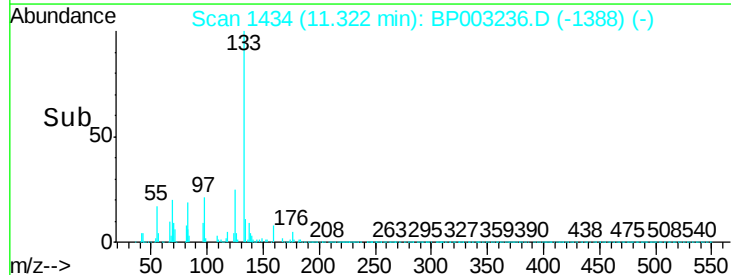
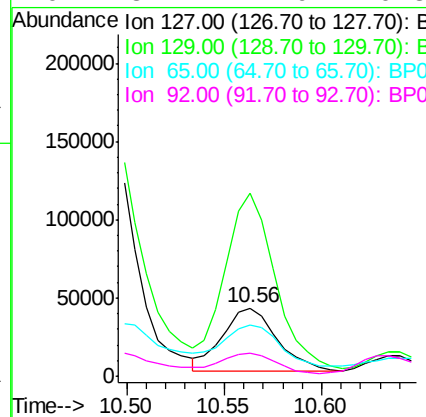
#32  
Benzoic acid  
Concen: 9.289 ng  
RT: 9.78 min Scan# 1172  
Delta R.T. 0.01 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

Tgt Ion:122 Resp: 2749  
Ion Ratio Lower Upper  
122 100  
105 76.8 94.1 134.1#  
77 301.3 50.1 90.1#

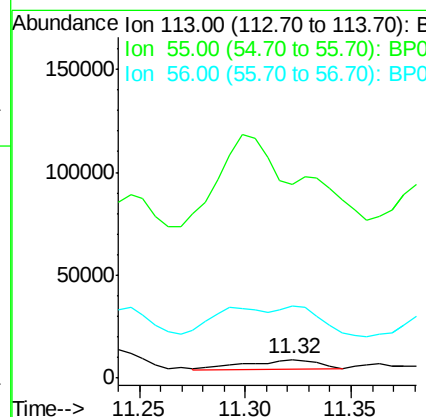


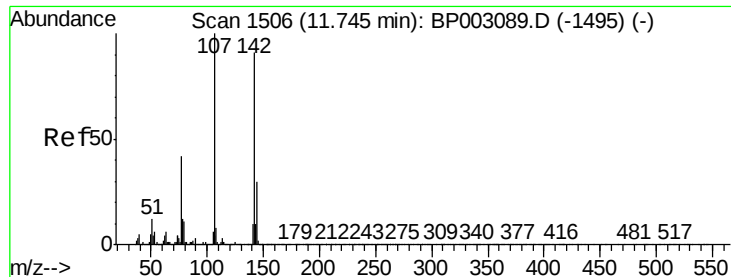


|     |         |       |       |
|-----|---------|-------|-------|
| Tot | Ion:127 | Resp: | 77025 |
| Ion | Ratio   | Lower | Upper |
| 127 | 100     |       |       |
| 129 | 268.6   | 25.7  | 38.5# |
| 65  | 75.1    | 17.3  | 25.9# |
| 92  | 34.4    | 12.9  | 19.3# |



|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:113 | Resp: | 10242  |
| Ion | Ratio   | Lower | Upper  |
| 113 | 100     |       |        |
| 55  | 1036.7  | 77.3  | 117.3# |
| 56  | 384.3   | 55.9  | 95.9#  |

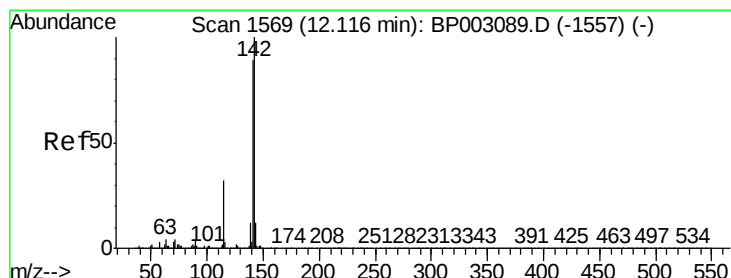
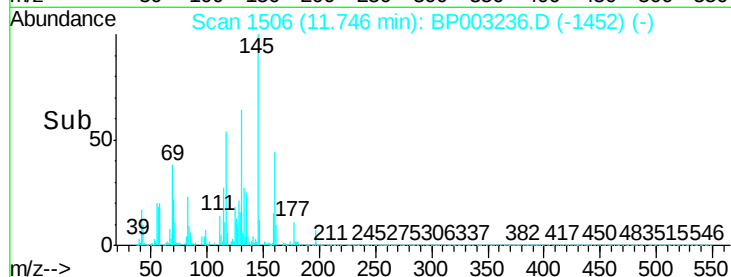
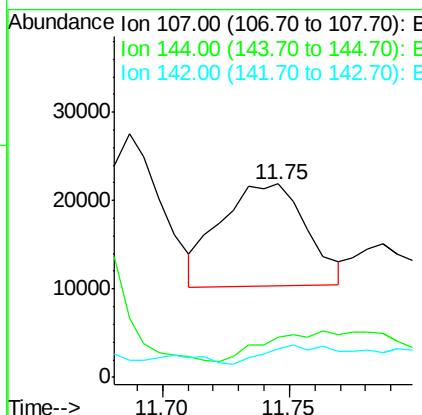
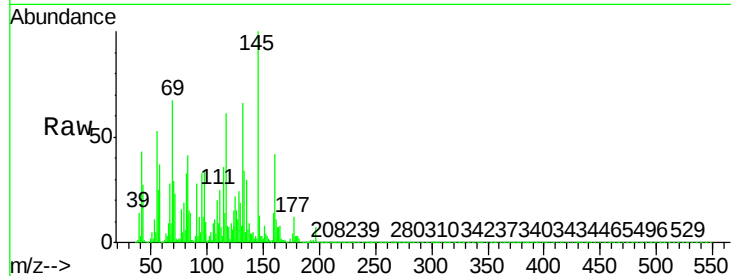




#36  
 4-Chloro-3-methylphenol  
 Concen: 2.393 ng  
 RT: 11.75 min Scan# 1506  
 Delta R.T. 0.02 min  
 Lab File: BP003236.D  
 Acq: 08 Sep 2020 20:20

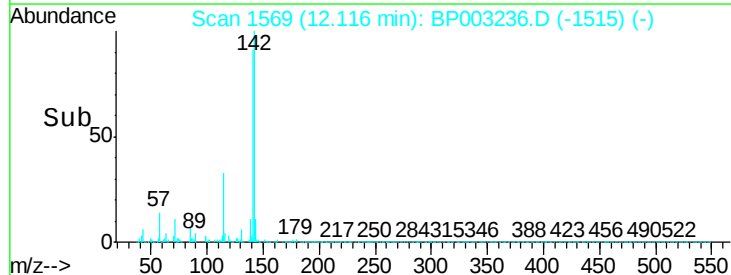
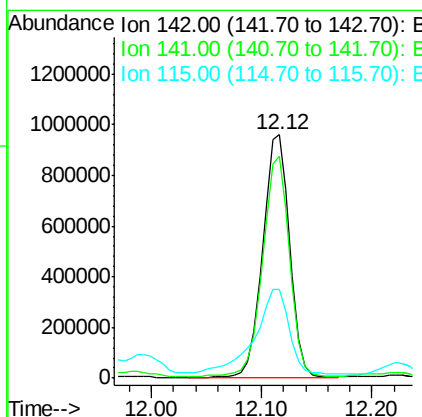
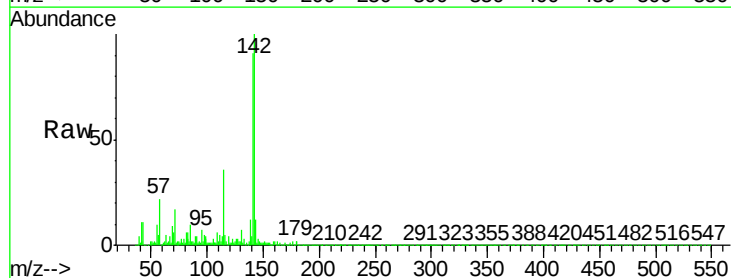
Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-PM-A2-10-14-C

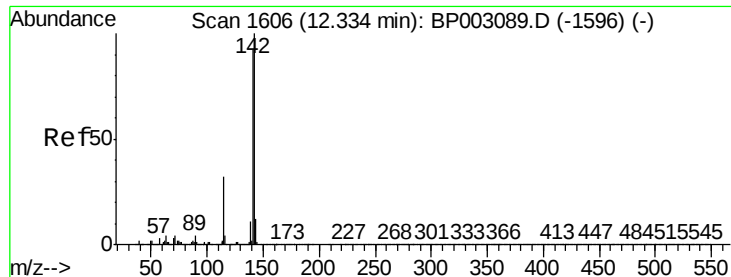
Tot Ion:107 Resp: 27353  
 Ion Ratio Lower Upper  
 107 100  
 144 20.9 22.7 34.1#  
 142 14.6 70.7 106.1#



#37  
 2-Methylnaphthalene  
 Concen: 55.227 ng  
 RT: 12.12 min Scan# 1569  
 Delta R.T. 0.02 min  
 Lab File: BP003236.D  
 Acq: 08 Sep 2020 20:20

Tgt Ion:142 Resp: 1640971  
 Ion Ratio Lower Upper  
 142 100  
 141 90.9 71.4 107.2  
 115 36.2 25.8 38.6



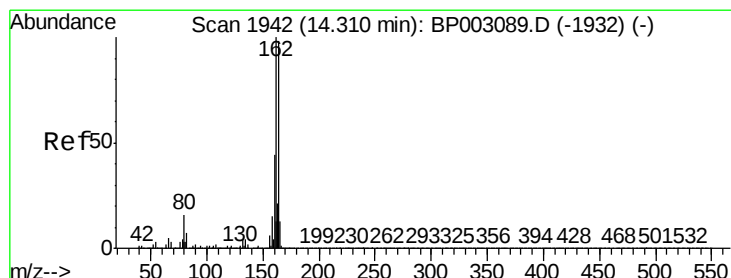
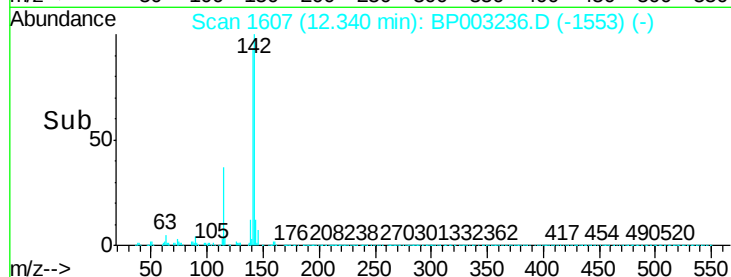
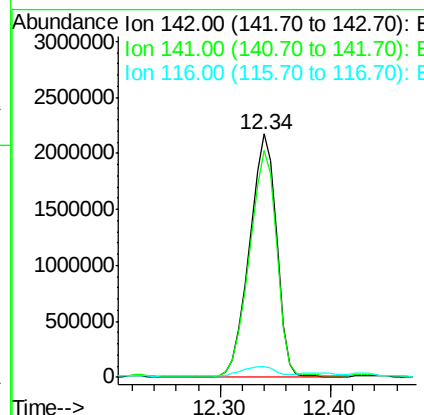
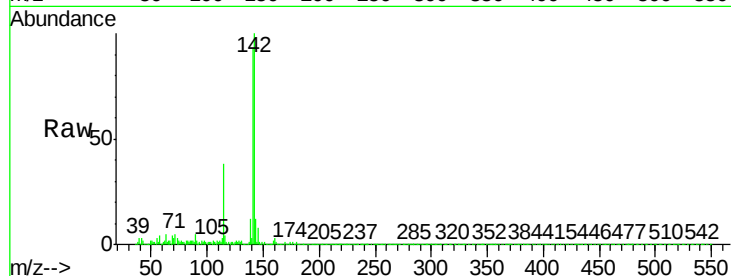


#38  
 1-Methylnaphthalene  
 Concen: 133.037 ng  
 RT: 12.34 min Scan# 1607  
 Delta R.T. 0.02 min  
 Lab File: BP003236.D  
 Acq: 08 Sep 2020 20:20

Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-PM-A2-10-14-C

Tot Ion:142 Resp: 3757173  

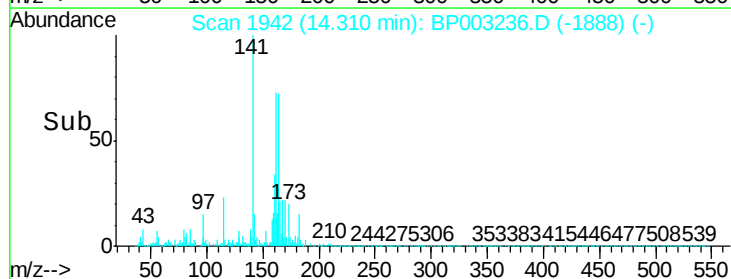
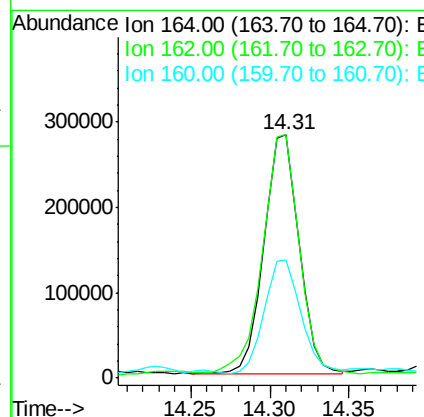
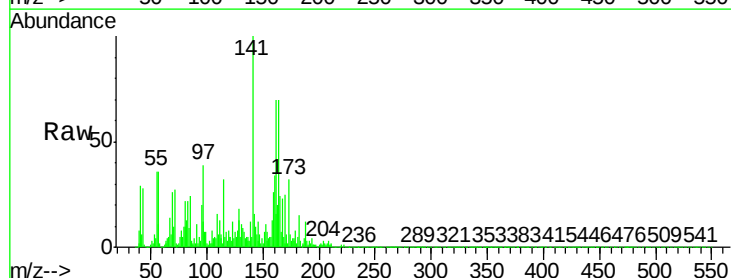
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 93.0  | 74.4  | 111.6 |
| 116 | 4.4   | 2.9   | 4.3#  |

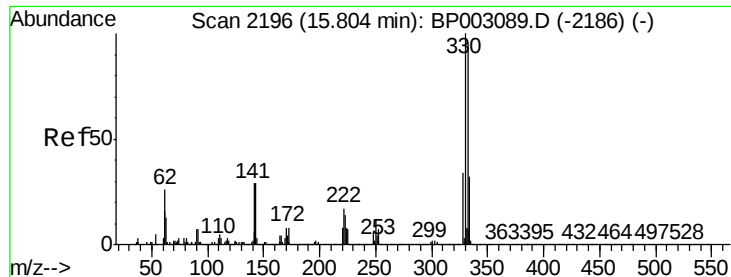


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.31 min Scan# 1942  
 Delta R.T. 0.02 min  
 Lab File: BP003236.D  
 Acq: 08 Sep 2020 20:20

Tgt Ion:164 Resp: 430540  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 99.9  | 79.4  | 119.2 |
| 160 | 48.5  | 36.1  | 54.1  |





#42

2,4,6-Tribromophenol

Concen: 88.308 ng

RT: 15.81 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

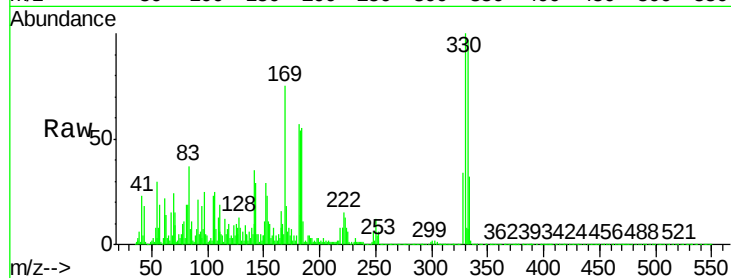
Tot Ion:330 Resp: 514211

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

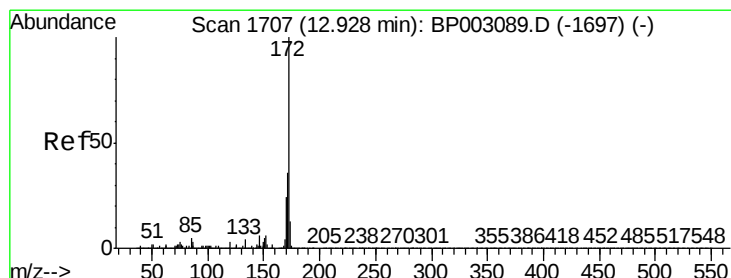
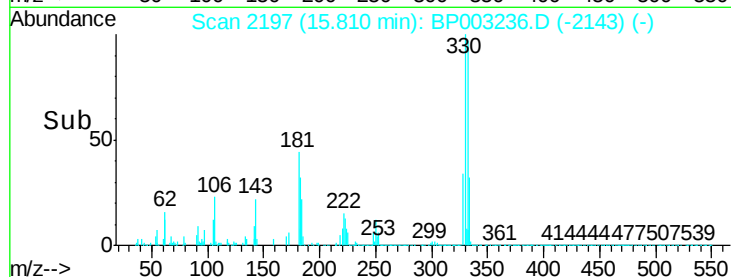
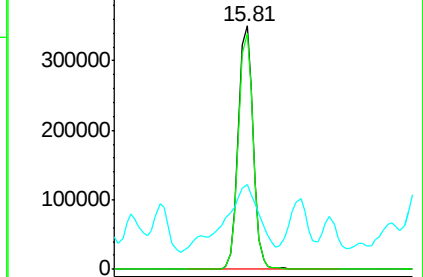
141 65.0 23.4 35.2#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 63.787 ng

RT: 12.92 min Scan# 1706

Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

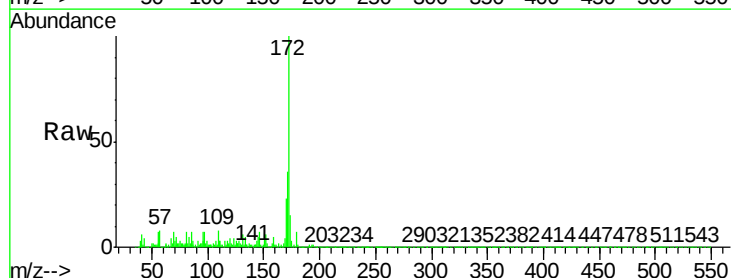
Tgt Ion:172 Resp: 1875296

Ion Ratio Lower Upper

172 100

171 35.8 28.5 42.7

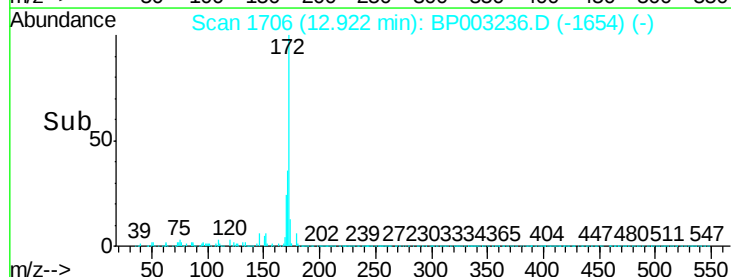
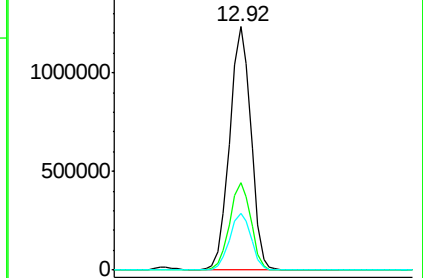
170 23.4 19.2 28.8

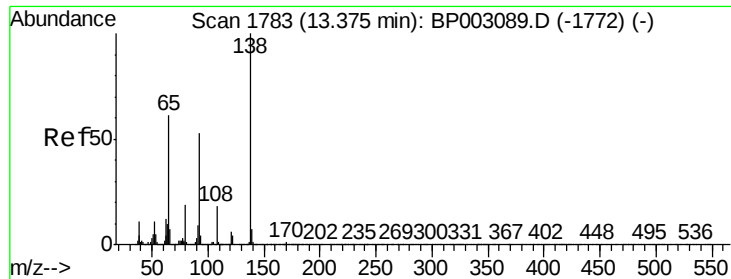


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

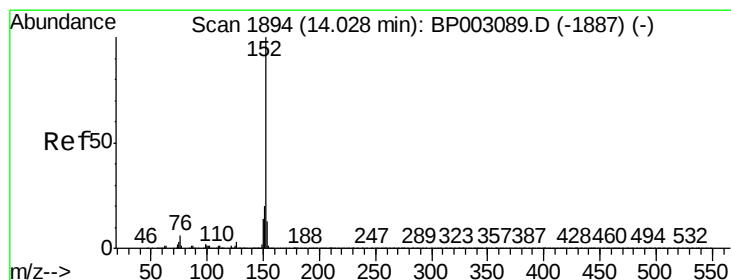
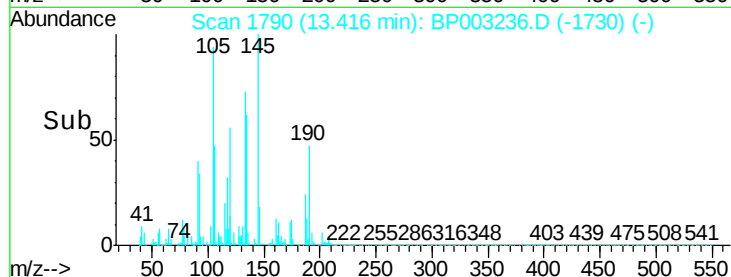
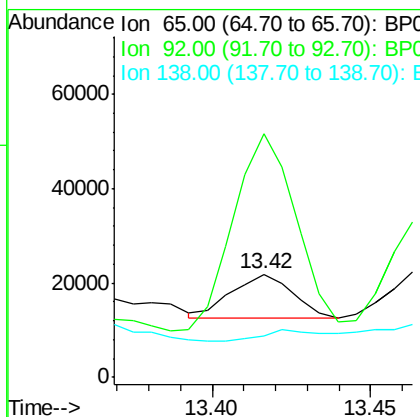
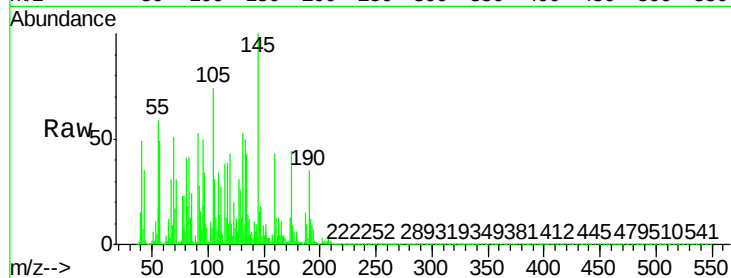




#48  
2-Nitroaniline  
Concen: 2.493 ng  
RT: 13.42 min Scan# 1790  
Delta R.T. 0.05 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

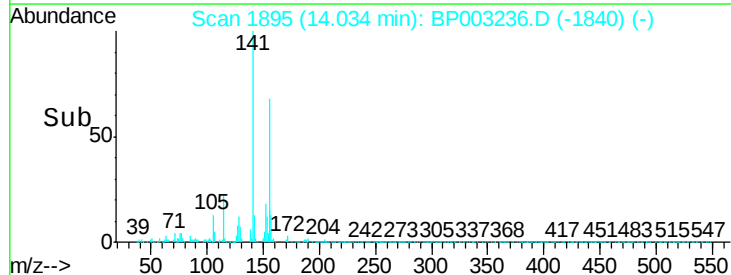
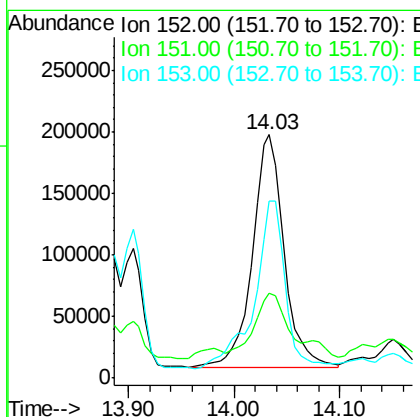
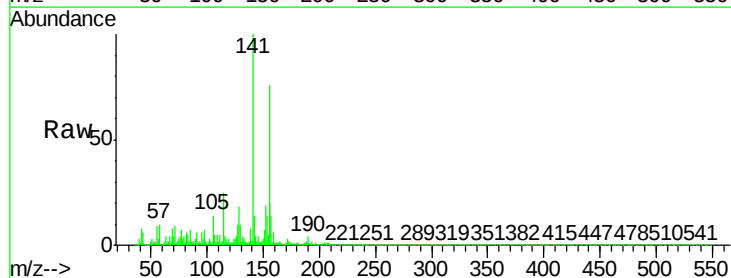
Instrument :  
BNA\_P  
ClientSampleId :  
WC-PM-A2-10-14-C

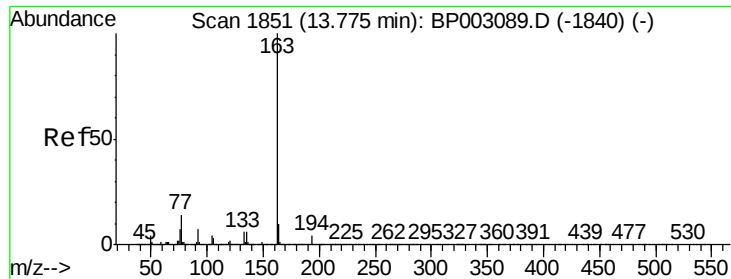
Tot Ion: 65 Resp: 12340  
Ion Ratio Lower Upper  
65 100  
92 235.6 70.6 106.0#  
138 40.4 133.6 200.4#



#49  
Acenaphthylene  
Concen: 9.854 ng  
RT: 14.03 min Scan# 1895  
Delta R.T. 0.02 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

Tgt Ion: 152 Resp: 393863  
Ion Ratio Lower Upper  
152 100  
151 34.8 15.9 23.9#  
153 72.7 10.5 15.7#





#50

Dimethylphthalate

Concen: 6.203 ng

RT: 13.76 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

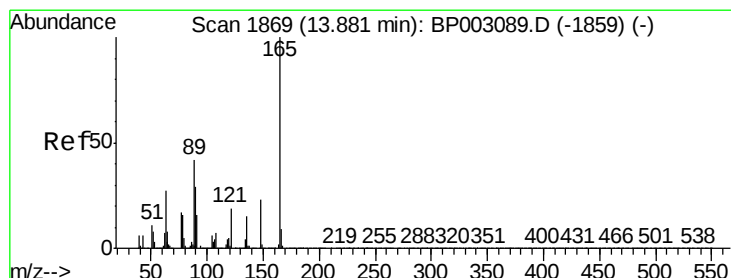
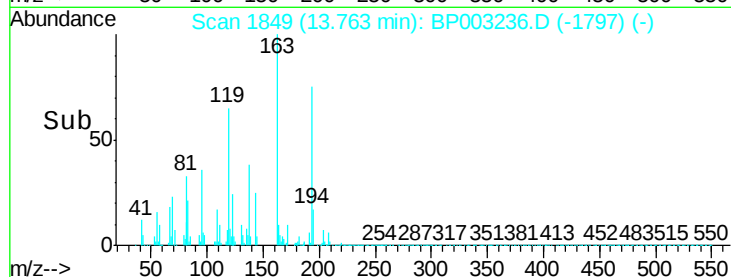
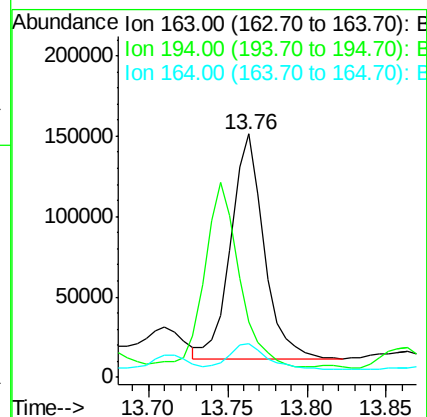
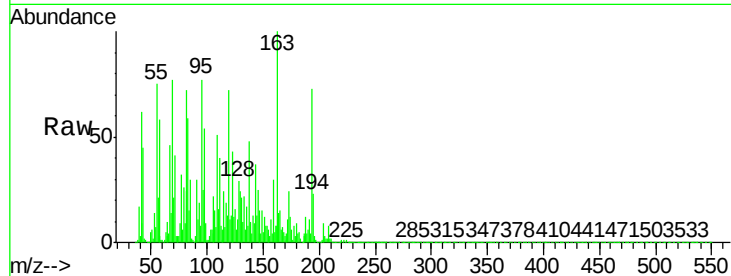
Tot Ion:163 Resp: 203669

Ion Ratio Lower Upper

163 100

194 22.9 3.3 4.9#

164 14.1 8.2 12.2#



#51

2,6-Dinitrotoluene

Concen: 3.624 ng

RT: 13.89 min Scan# 1870

Delta R.T. 0.02 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

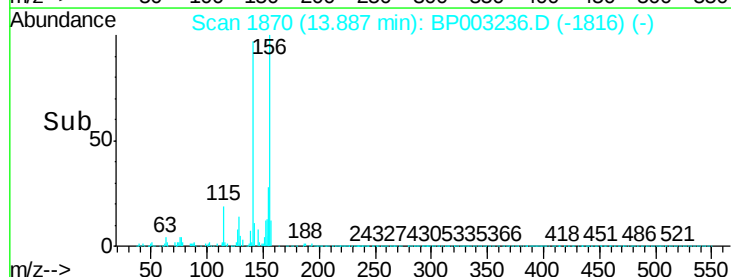
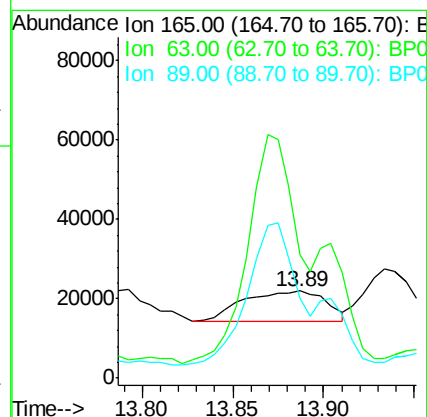
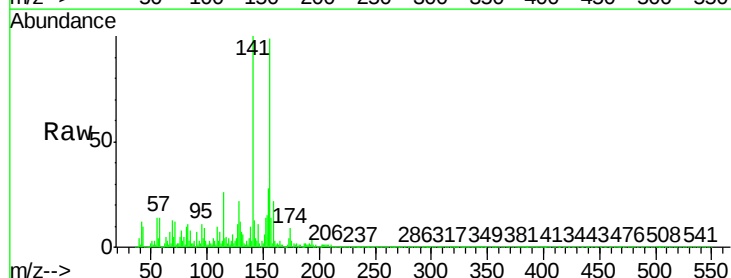
Tgt Ion:165 Resp: 24726

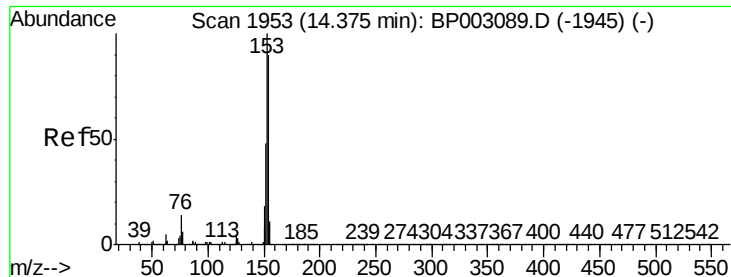
Ion Ratio Lower Upper

165 100

63 141.0 27.8 41.6#

89 91.5 34.6 52.0#





#52

Acenaphthene

Concen: 24.154 ng

RT: 14.37 min Scan# 1952

Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

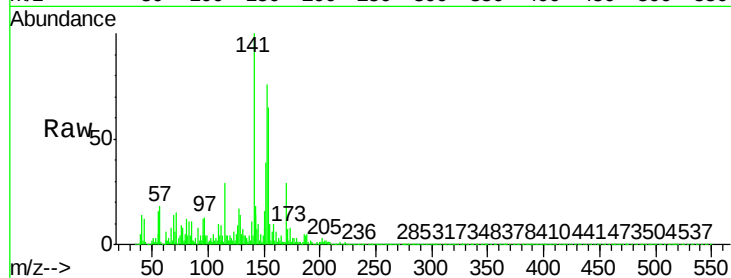
Tot Ion:154 Resp: 593132

Ion Ratio Lower Upper

154 100

153 116.4 91.0 136.6

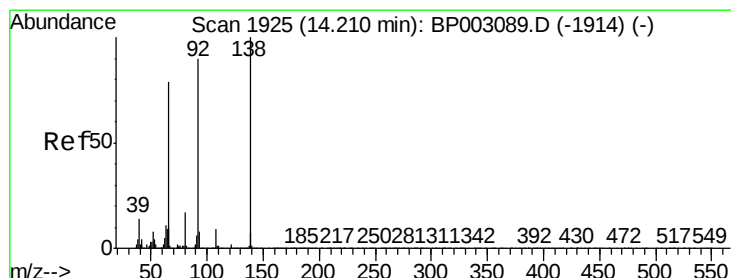
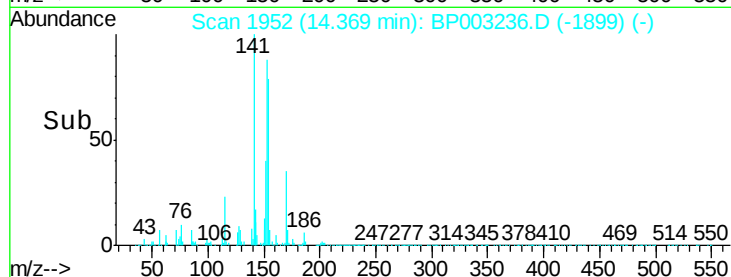
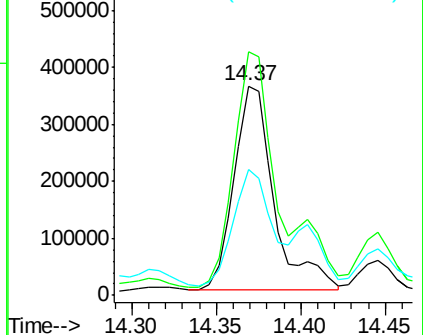
152 60.0 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 3.594 ng

RT: 14.22 min Scan# 1927

Delta R.T. 0.03 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

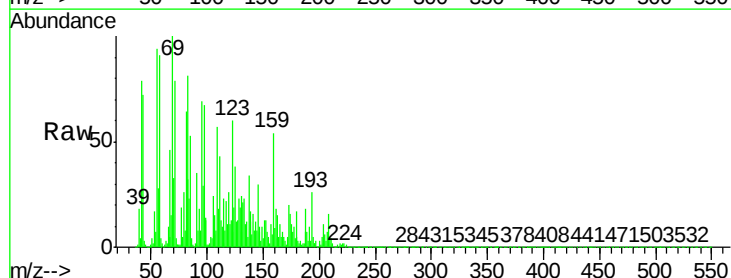
Tgt Ion:138 Resp: 27783

Ion Ratio Lower Upper

138 100

108 46.5 7.5 11.3#

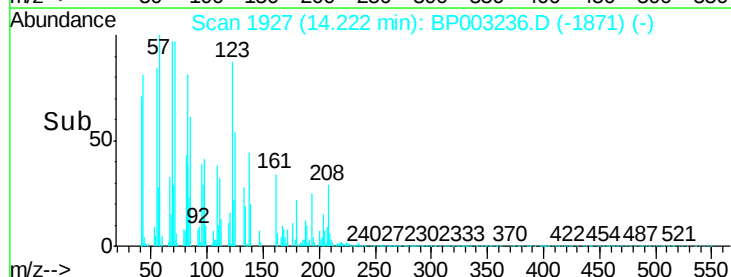
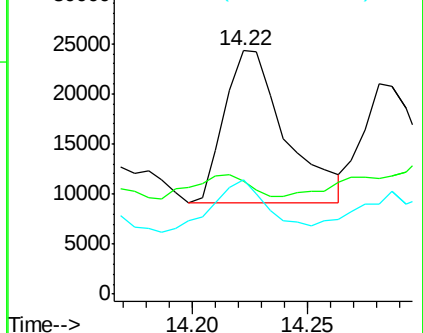
92 47.1 75.0 112.6#

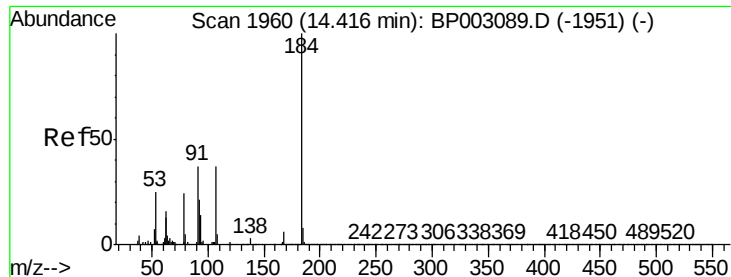


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BP0

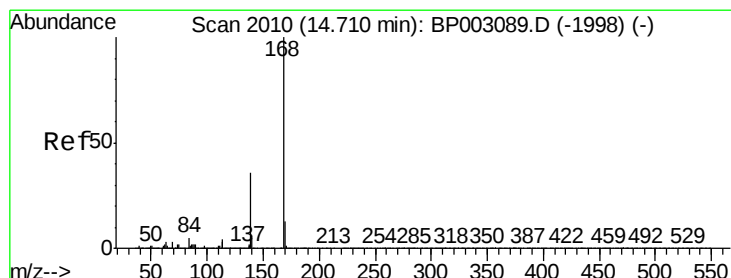
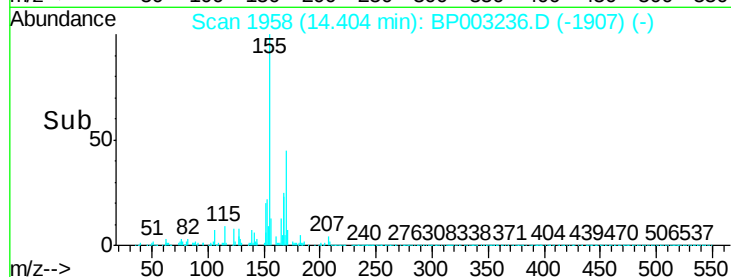
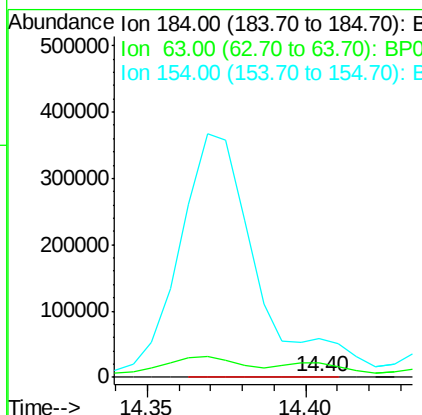
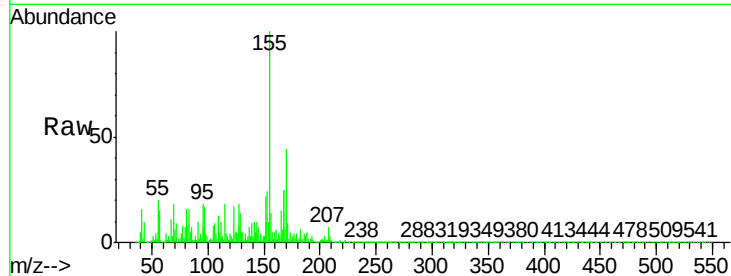




#54  
2,4-Dinitrophenol  
Concen: 7.957 ng  
RT: 14.40 min Scan# 1958  
Delta R.T. -0.00 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

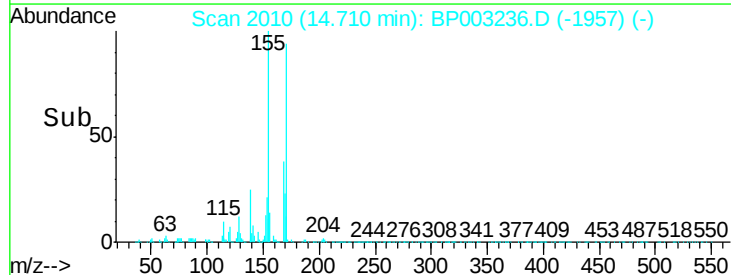
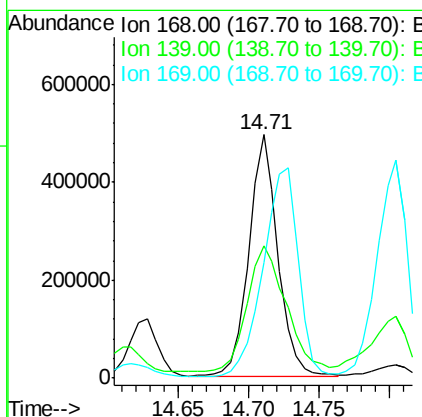
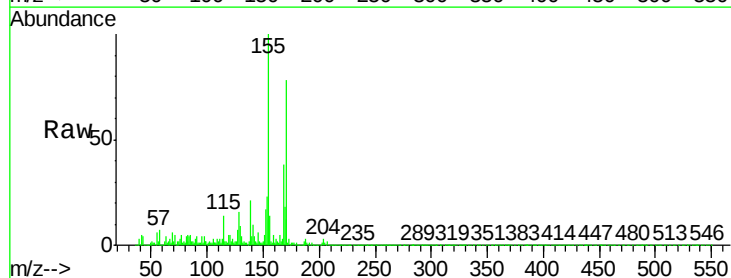
Instrument :  
BNA\_P  
ClientSampleId :  
WC-PM-A2-10-14-C

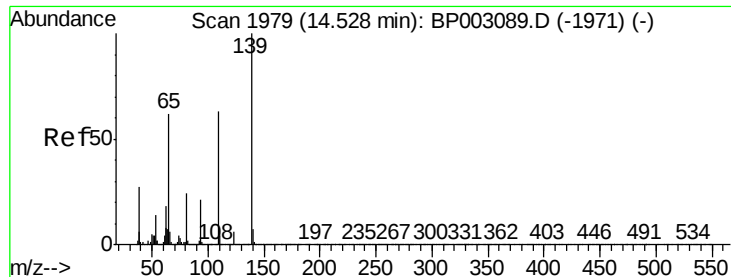
Tot Ion:184 Resp: 832  
Ion Ratio Lower Upper  
184 100  
63 2186.6 32.3 48.5#  
154 6090.2 49.1 73.7#



#55  
Dibenzofuran  
Concen: 18.385 ng  
RT: 14.71 min Scan# 2010  
Delta R.T. 0.01 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

Tgt Ion:168 Resp: 709039  
Ion Ratio Lower Upper  
168 100  
139 54.2 29.1 43.7#  
169 47.5 10.4 15.6#





#56

4-Nitrophenol

Concen: 56.870 ng

RT: 14.53 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

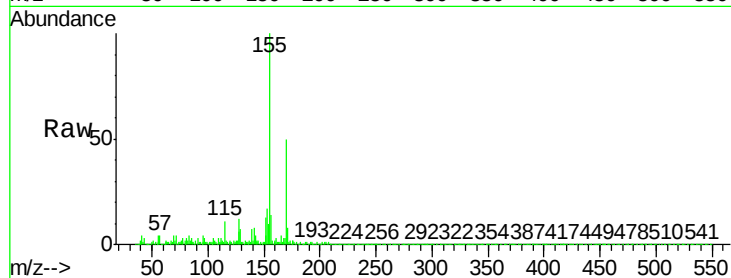
Tot Ion:139 Resp: 316311

Ion Ratio Lower Upper

139 100

109 39.0 44.6 84.6#

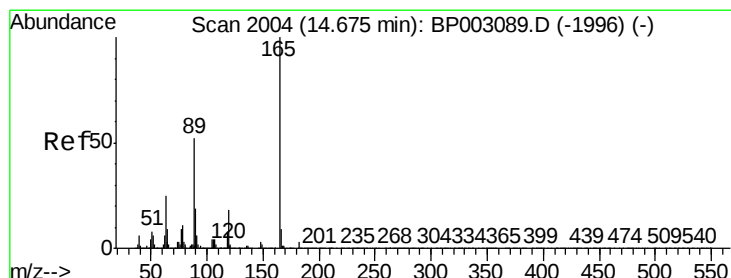
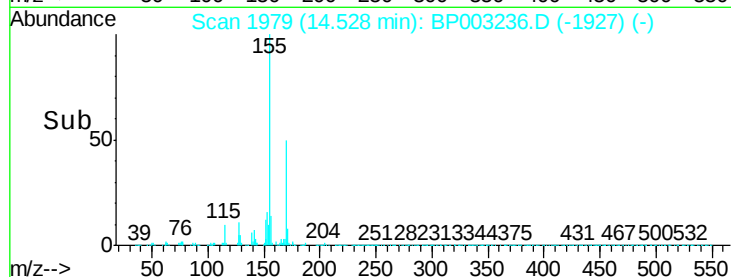
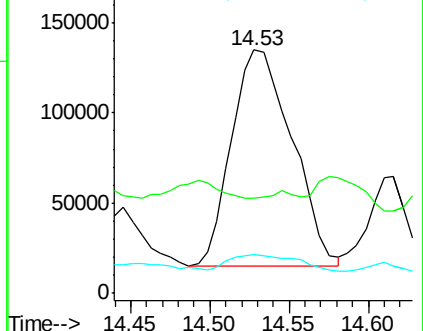
65 15.9 41.6 81.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BPC



#57

2,4-Dinitrotoluene

Concen: 21.850 ng

RT: 14.73 min Scan# 2013

Delta R.T. 0.06 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Tgt Ion:165 Resp: 200470

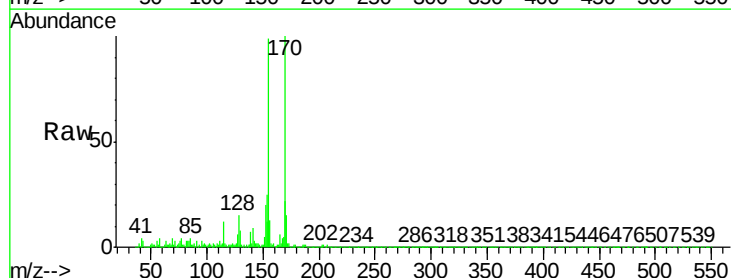
Ion Ratio Lower Upper

165 100

63 45.4 20.6 31.0#

89 27.2 42.6 63.8#

182 4.0 2.4 3.6#

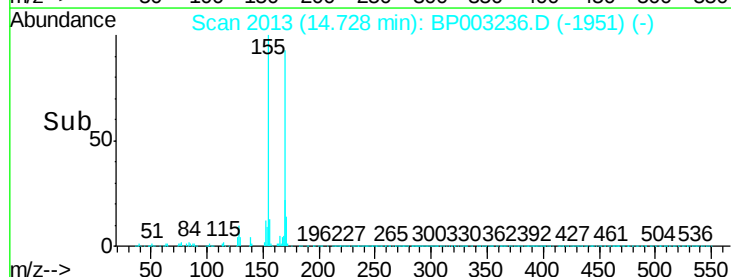
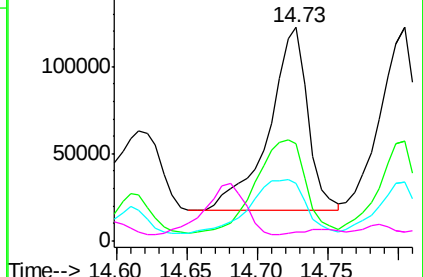


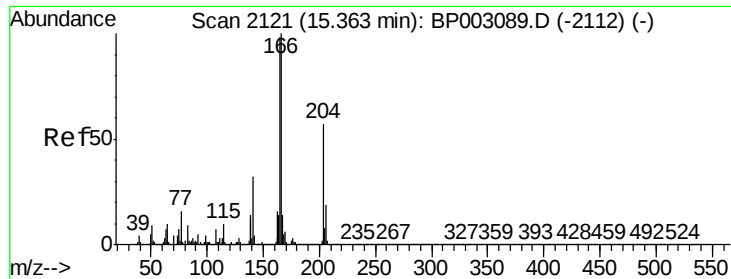
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BPC

Ion 89.00 (88.70 to 89.70): BPC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 31.554 ng

RT: 15.36 min Scan# 2121

Delta R.T. 0.02 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

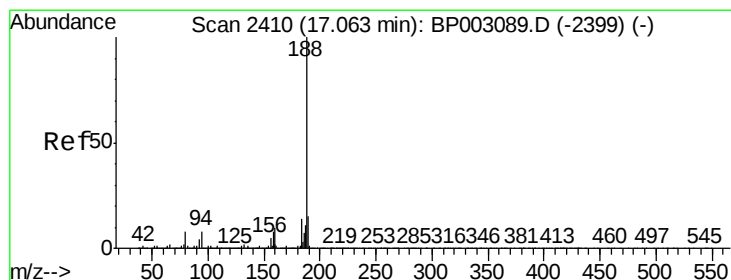
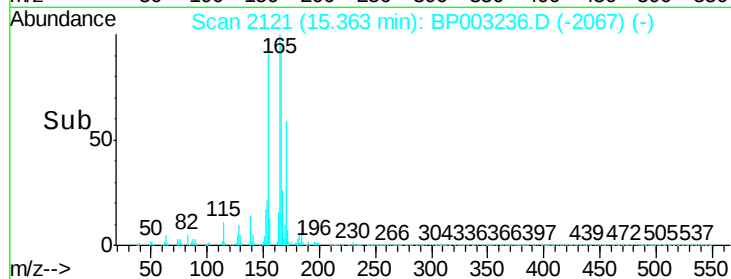
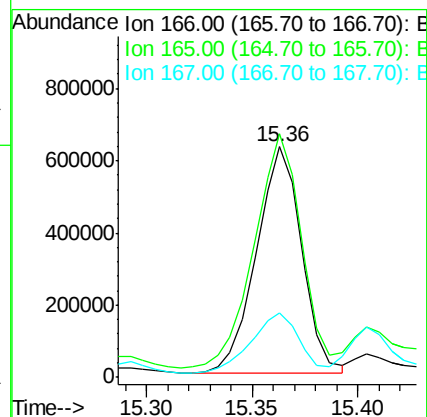
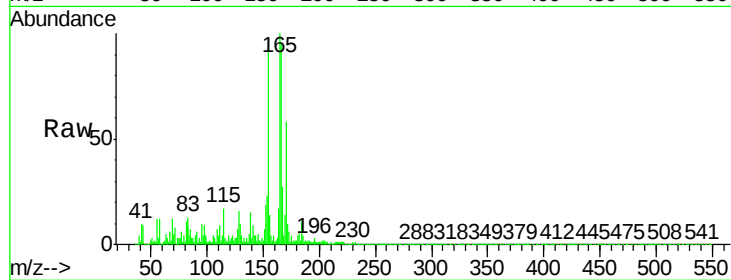
Tot Ion:166 Resp: 937420

Ion Ratio Lower Upper

166 100

165 105.7 77.8 116.8

167 28.1 11.0 16.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2410

Delta R.T. 0.02 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

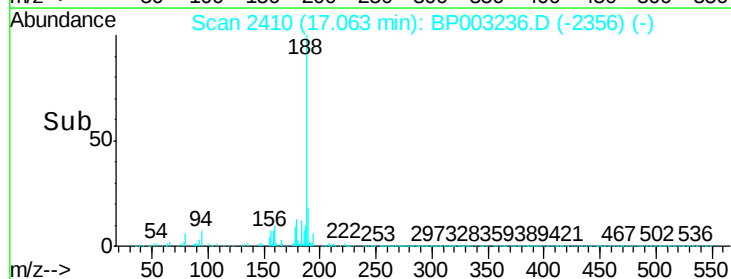
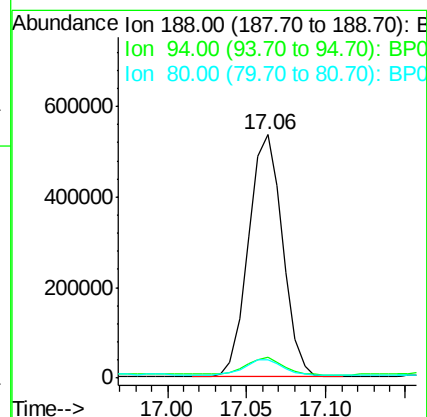
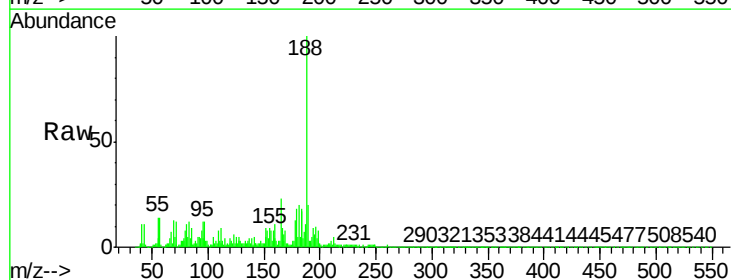
Tgt Ion:188 Resp: 799865

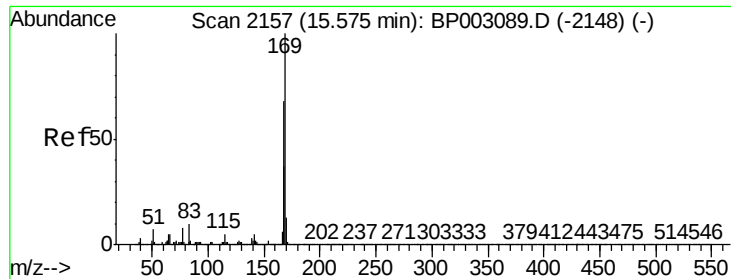
Ion Ratio Lower Upper

188 100

94 8.4 6.2 9.2

80 7.6 6.2 9.2

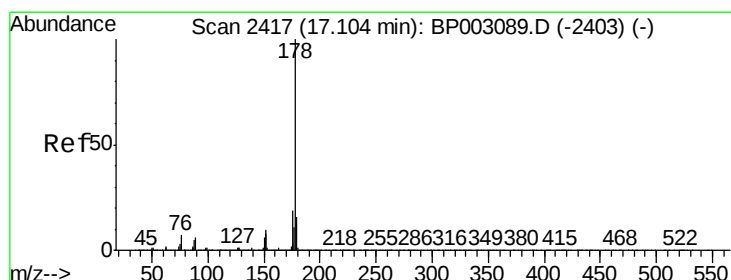
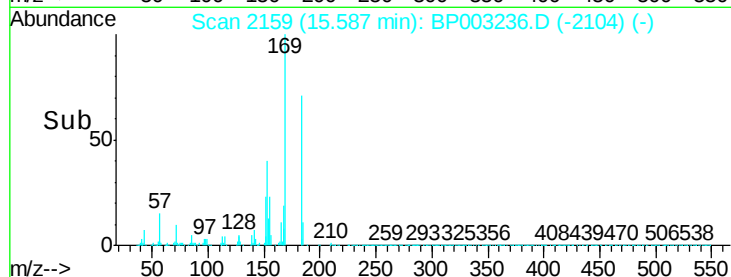
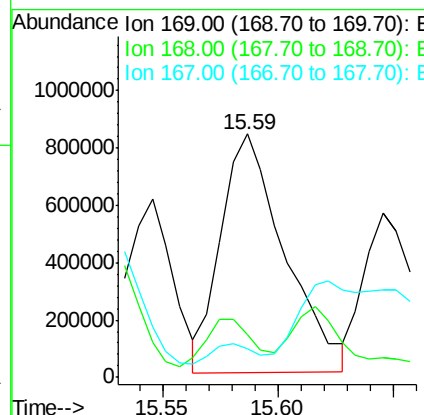
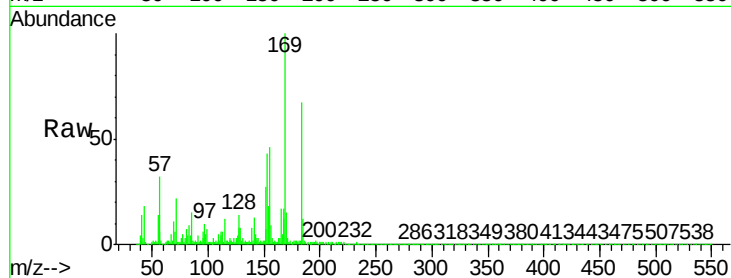




#66  
n-Nitrosodiphenylamine  
Concen: 68.252 ng  
RT: 15.59 min Scan# 2159  
Delta R.T. 0.02 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

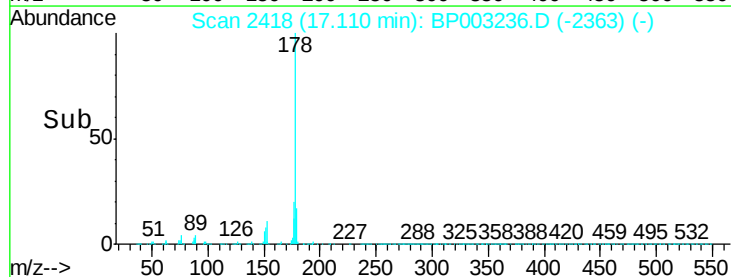
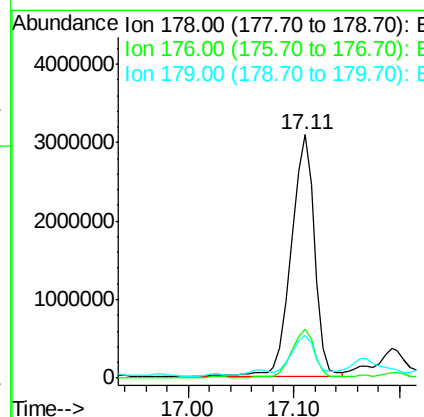
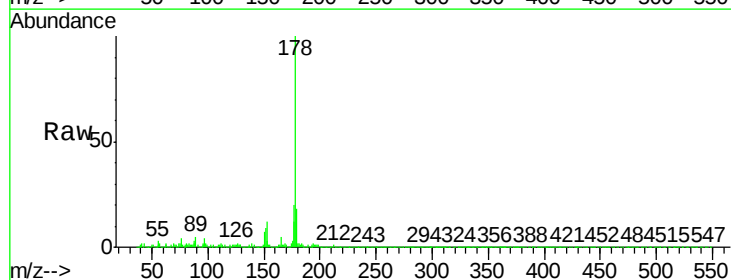
Instrument :  
BNA\_P  
ClientSampleId :  
WC-PM-A2-10-14-C

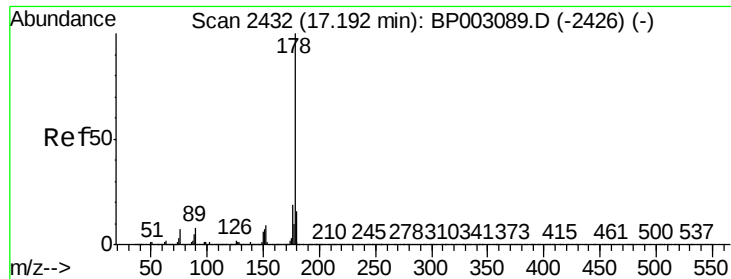
Tot Ion:169 Resp: 1596308  
Ion Ratio Lower Upper  
169 100  
168 17.5 53.8 80.6#  
167 12.0 28.9 43.3#



#71  
Phenanthrene  
Concen: 110.379 ng  
RT: 17.11 min Scan# 2418  
Delta R.T. 0.02 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

Tgt Ion:178 Resp: 4784023  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.3 22.9  
179 17.6 12.5 18.7





#72

Anthracene

Concen: 115.332 ng

RT: 17.11 min Scan# 2418

Delta R.T. -0.07 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

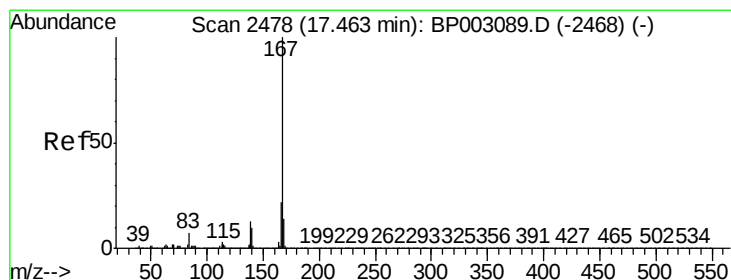
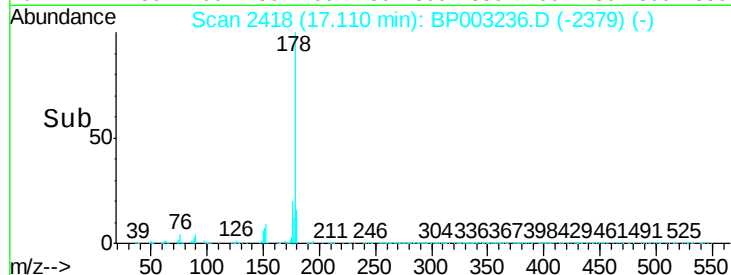
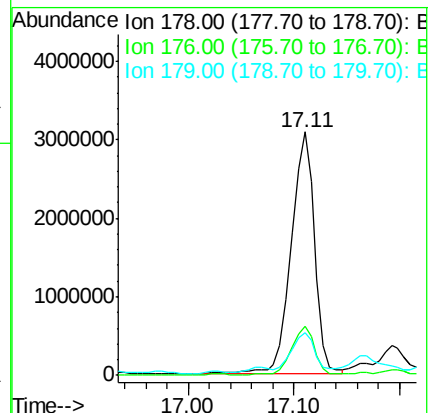
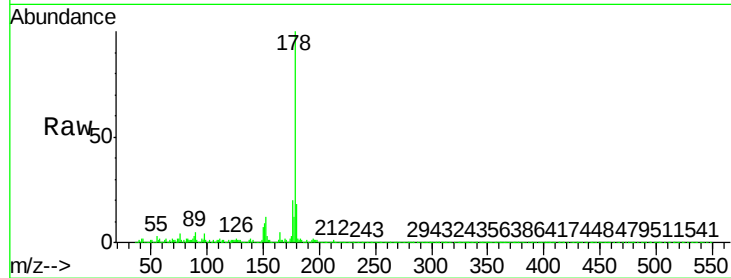
Tot Ion:178 Resp: 4784023

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 20.1  | 15.0  | 22.4  |
| 179 | 17.6  | 12.5  | 18.7  |

178 100

176 20.1 15.0 22.4

179 17.6 12.5 18.7



#73

Carbazole

Concen: 3.170 ng

RT: 17.47 min Scan# 2479

Delta R.T. 0.02 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

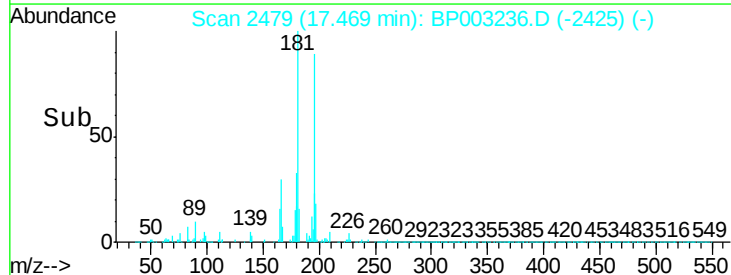
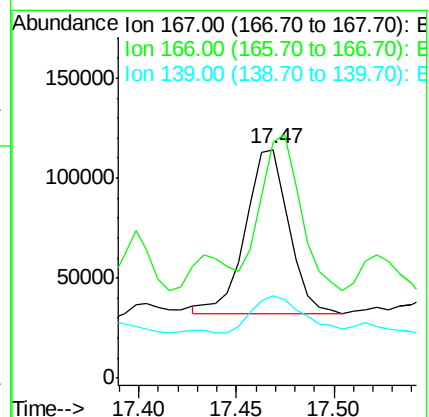
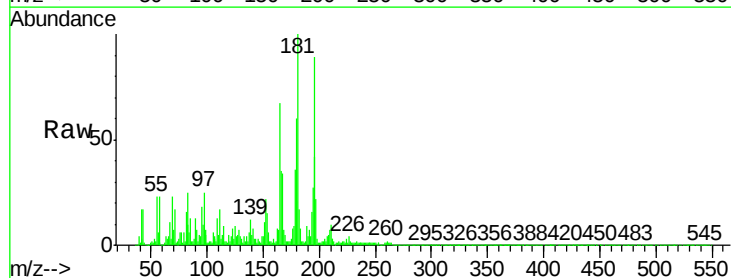
Tgt Ion:167 Resp: 126200

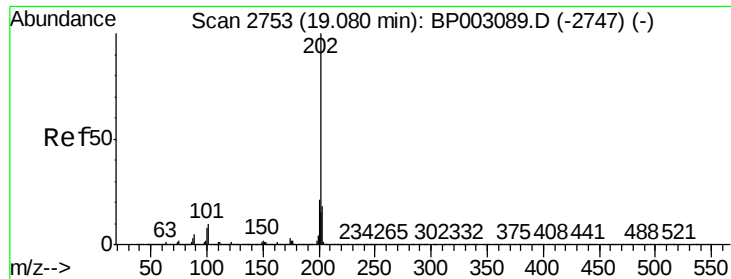
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 103.3 | 17.6  | 26.4# |
| 139 | 36.0  | 10.2  | 15.4# |

167 100

166 103.3 17.6 26.4#

139 36.0 10.2 15.4#





#75

Fluoranthene

Concen: 53.086 ng

RT: 19.09 min Scan# 2754

Delta R.T. 0.02 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

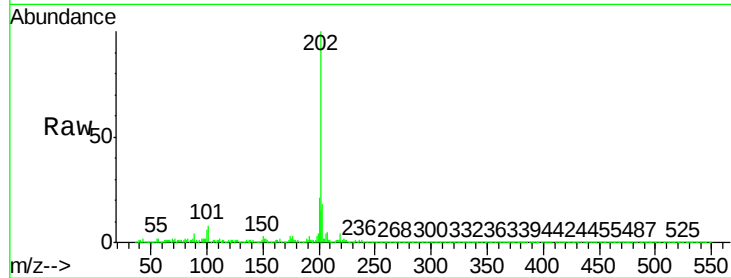
BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

Tot Ion:202 Resp: 2659250

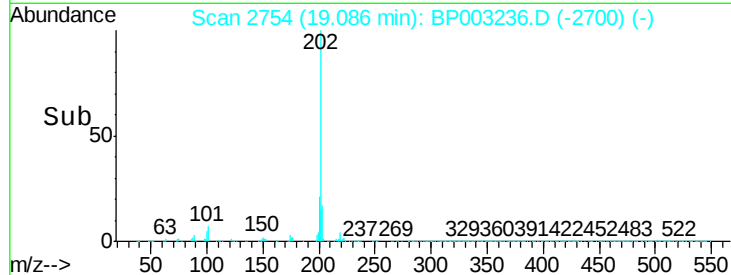
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 7.7   | 0.0   | 29.4  |
| 203 | 18.3  | 0.0   | 37.8  |



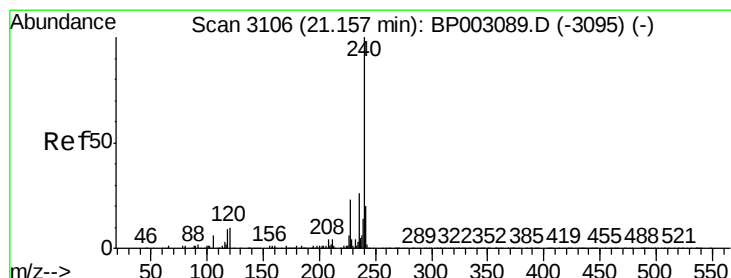
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.15 min Scan# 3105

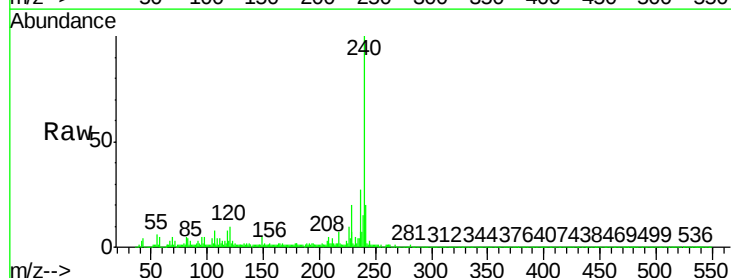
Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Tgt Ion:240 Resp: 883079

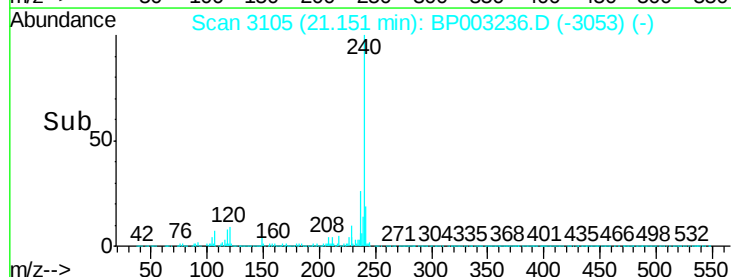
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 9.6   | 7.8   | 11.6  |
| 236 | 26.7  | 20.8  | 31.2  |



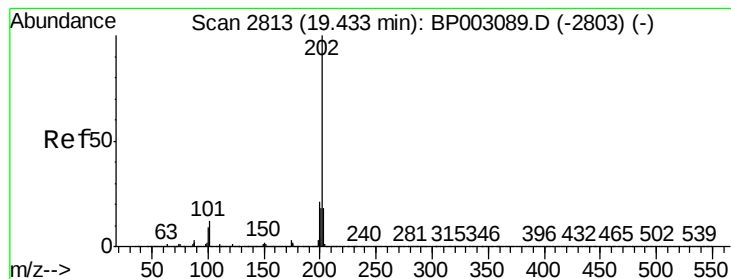
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Pvrene

Concen: 46.159 ng

RT: 19.43 min Scan# 2813

Delta R.T. 0.02 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

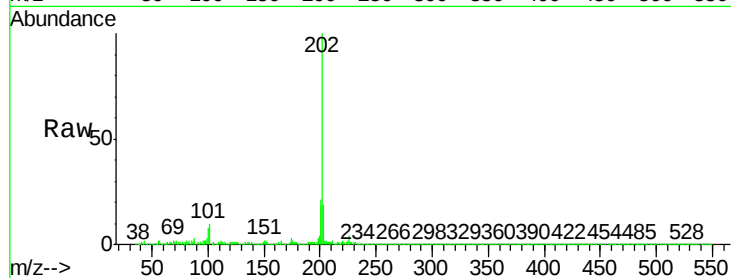
BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

Tot Ion:202 Resp: 2645598

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.3  | 17.1  | 25.7  |
| 203 | 18.5  | 14.2  | 21.2  |

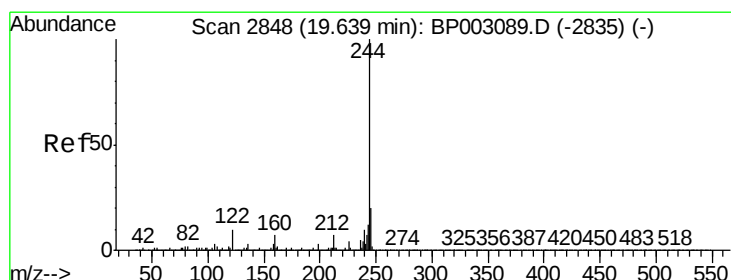
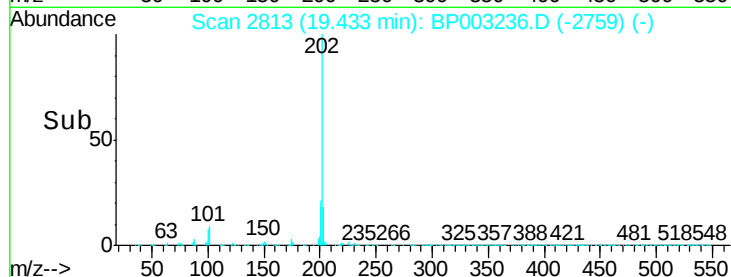
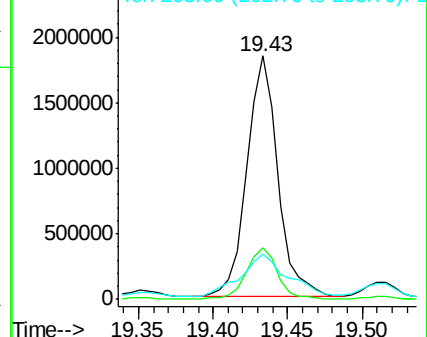


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 48.619 ng

RT: 19.63 min Scan# 2846

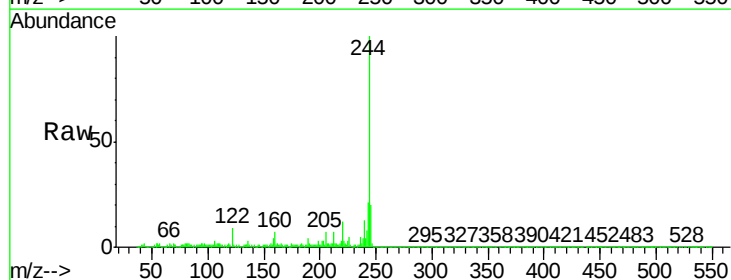
Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Tgt Ion:244 Resp: 1951174

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.4   | 5.8   | 8.6   |
| 122 | 8.6   | 7.8   | 11.8  |

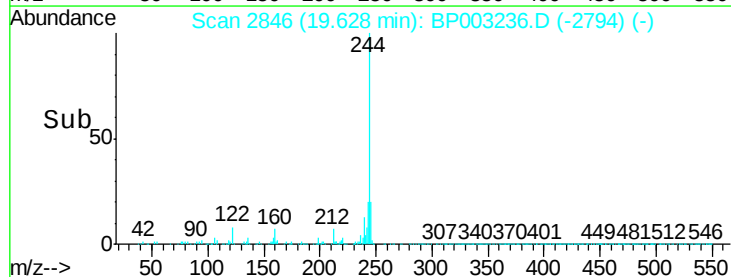
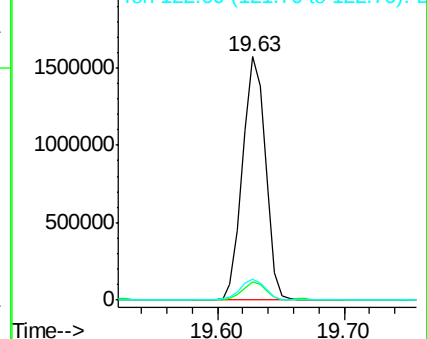


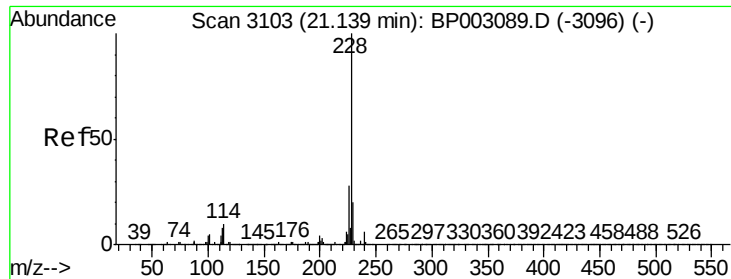
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

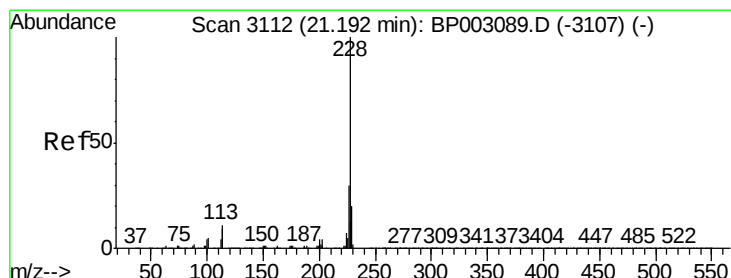
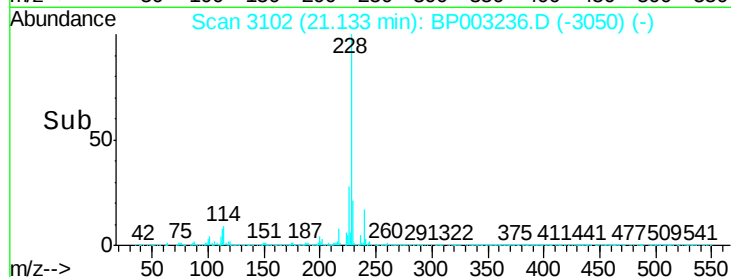
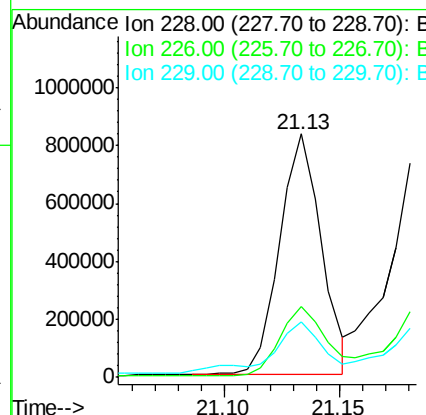
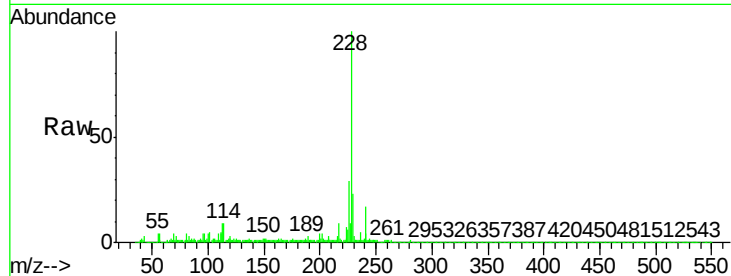




#81  
Benzo(a)anthracene  
Concen: 18.812 ng  
RT: 21.13 min Scan# 3102  
Delta R.T. 0.01 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

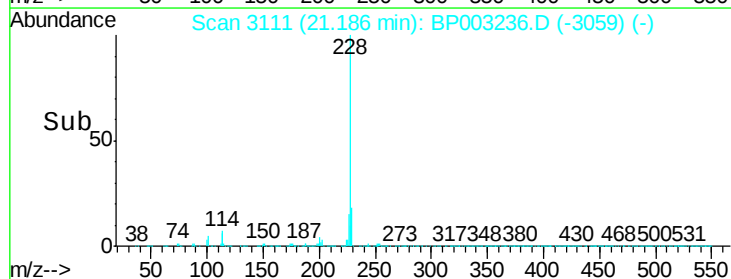
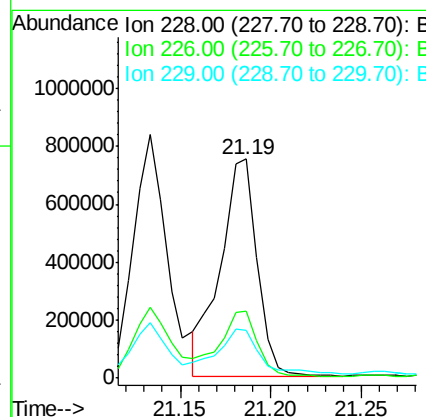
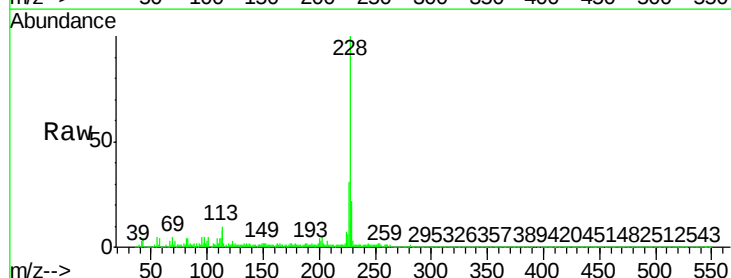
Instrument :  
BNA\_P  
ClientSampleId :  
WC-PM-A2-10-14-C

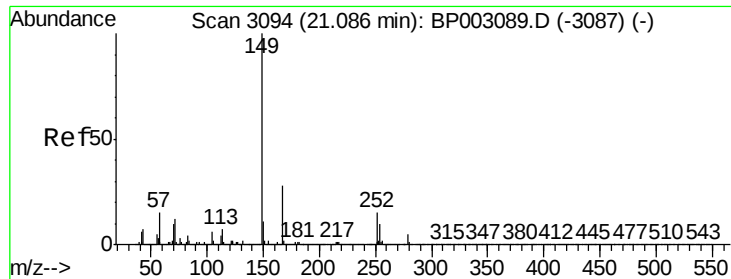
Tot Ion:228 Resp: 1040604  
Ion Ratio Lower Upper  
228 100  
226 29.2 22.1 33.1  
229 22.7 15.9 23.9



#83  
Chrysene  
Concen: 19.916 ng  
RT: 21.19 min Scan# 3111  
Delta R.T. 0.01 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

Tgt Ion:228 Resp: 1054785  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.4 36.6  
229 22.1 15.8 23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.538 ng

RT: 21.07 min Scan# 3091

Delta R.T. -0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

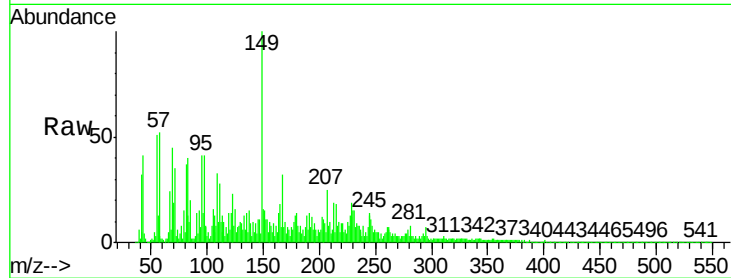
Tot Ion:149 Resp: 86489

Ion Ratio Lower Upper

149 100

167 32.4 22.6 34.0

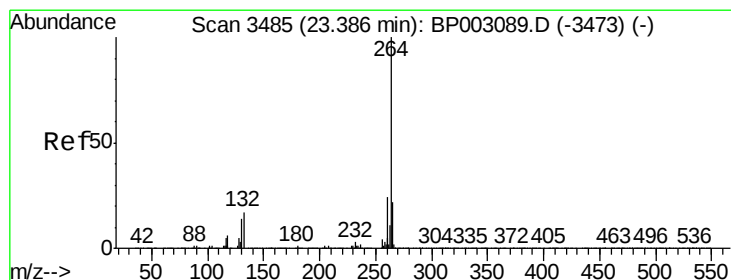
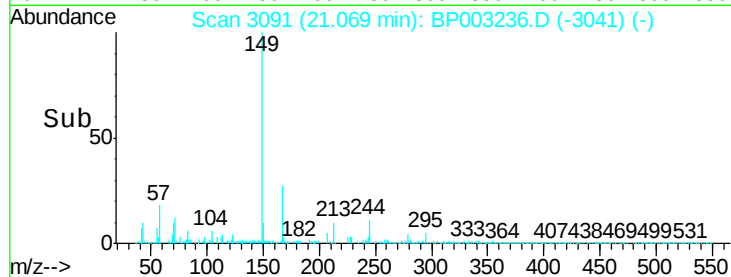
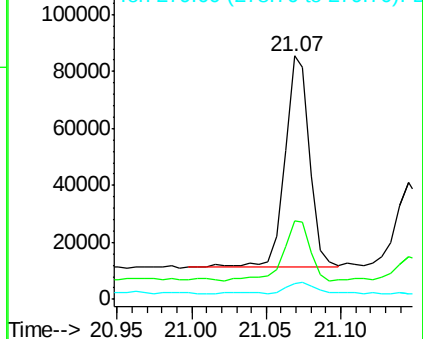
279 6.4 4.2 6.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.39 min Scan# 3485

Delta R.T. 0.02 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

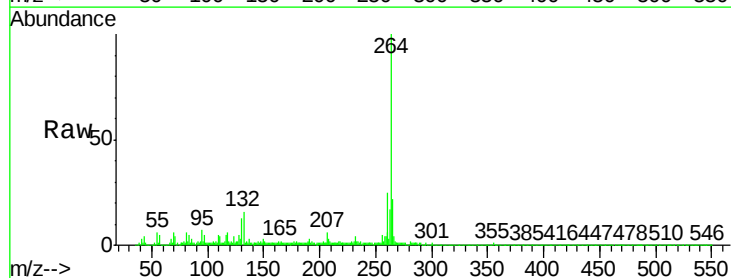
Tgt Ion:264 Resp: 1001850

Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

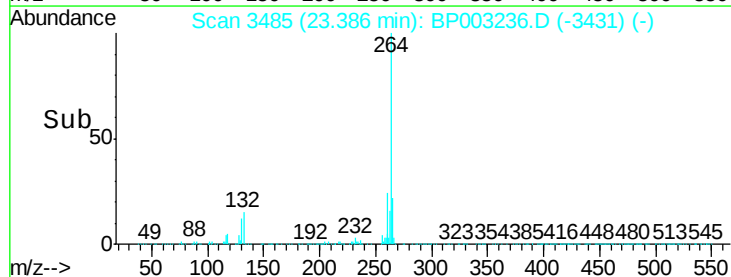
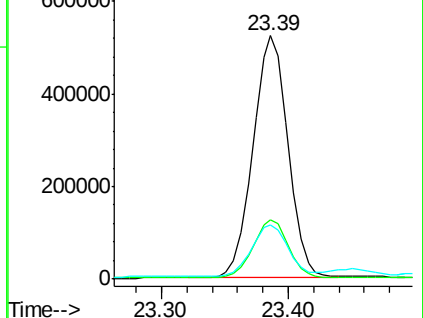
265 22.4 17.4 26.2

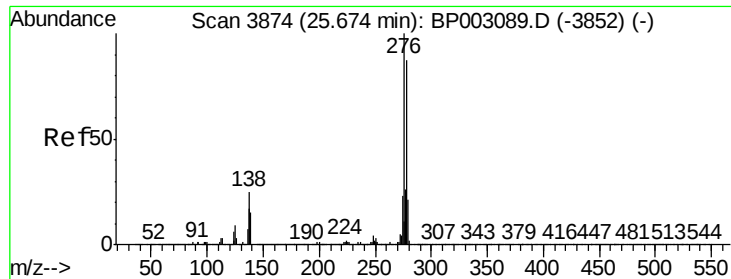


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

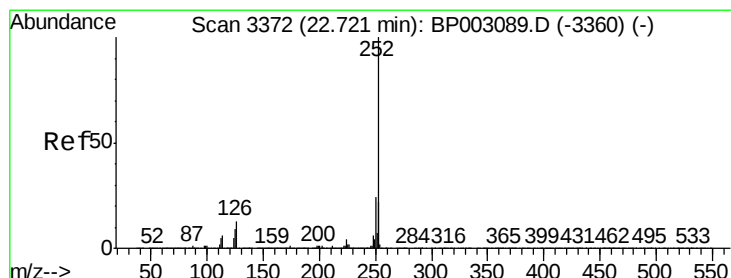
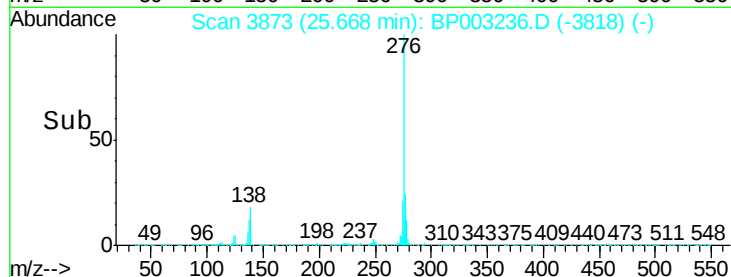
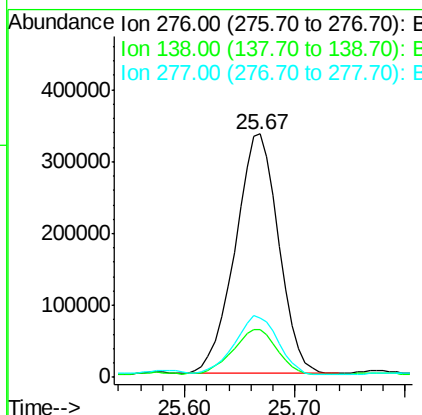
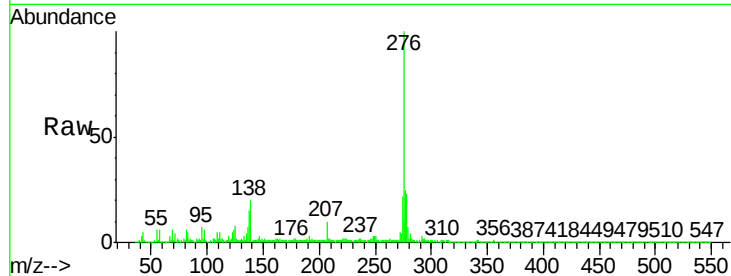




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 12.255 ng  
 RT: 25.67 min Scan# 3873  
 Delta R.T. 0.02 min  
 Lab File: BP003236.D  
 Acq: 08 Sep 2020 20:20

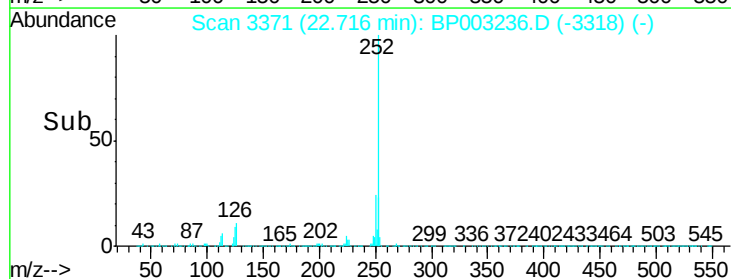
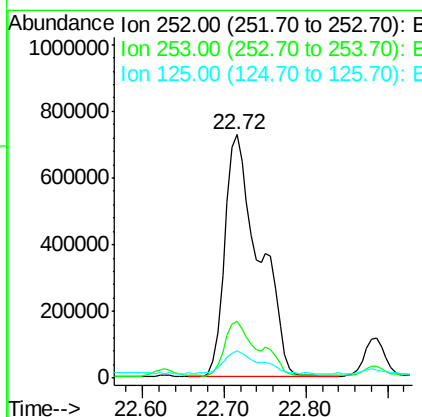
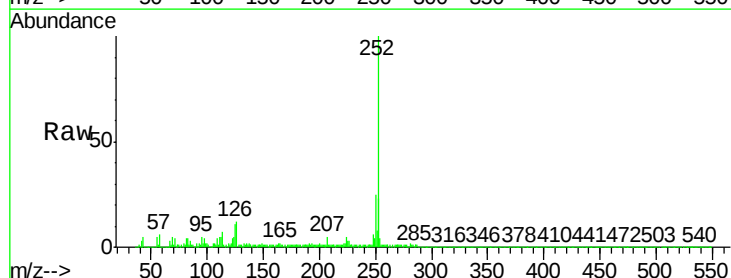
Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-PM-A2-10-14-C

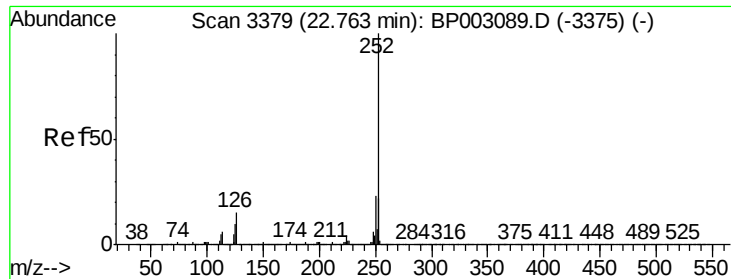
Tot Ion:276 Resp: 915600  
 Ion Ratio Lower Upper  
 276 100  
 138 19.5 18.7 28.1  
 277 24.9 20.4 30.6



#88  
 Benzo(b)fluoranthene  
 Concen: 33.951 ng  
 RT: 22.72 min Scan# 3371  
 Delta R.T. 0.01 min  
 Lab File: BP003236.D  
 Acq: 08 Sep 2020 20:20

Tgt Ion:252 Resp: 2114048  
 Ion Ratio Lower Upper  
 252 100  
 253 23.2 17.6 26.4  
 125 11.0 7.3 10.9#

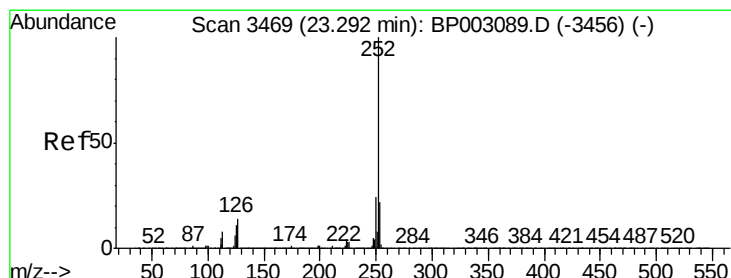
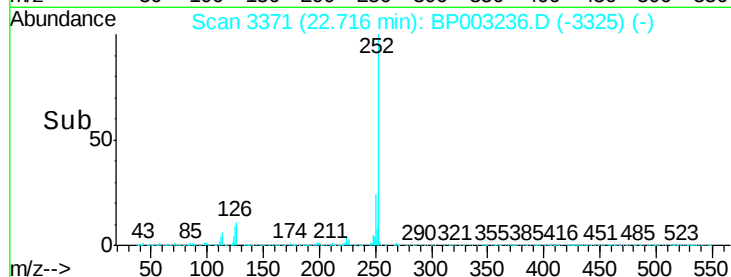
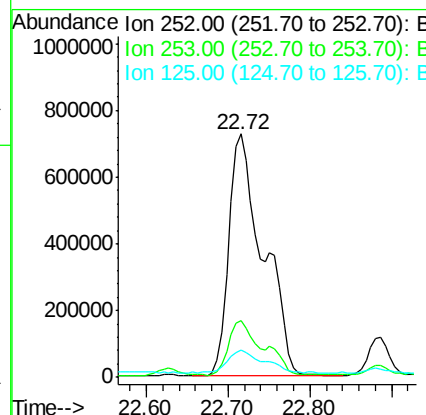
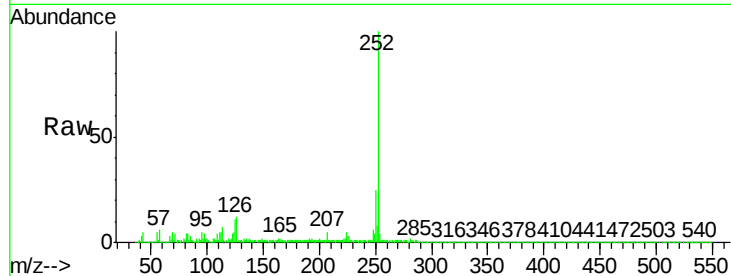




#89  
Benzo(k)fluoranthene  
Concen: 35.534 ng  
RT: 22.72 min Scan# 3371  
Delta R.T. -0.03 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

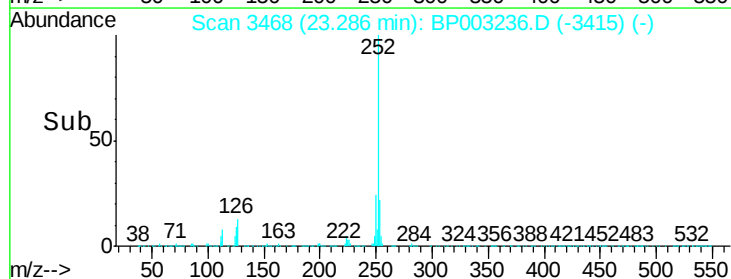
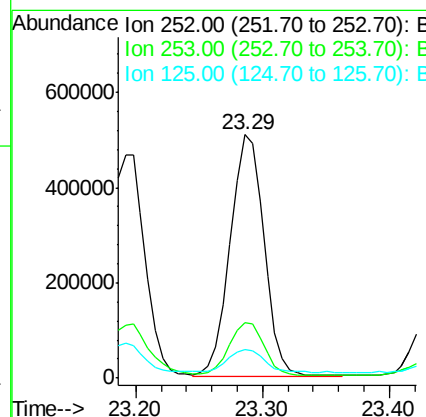
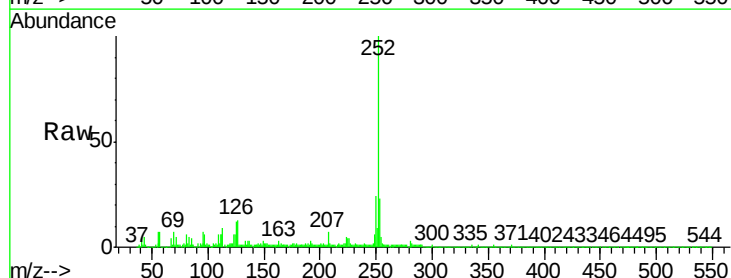
Instrument :  
BNA\_P  
ClientSampleId :  
WC-PM-A2-10-14-C

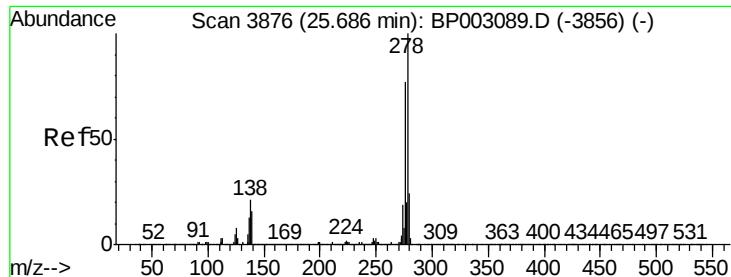
Tot Ion:252 Resp: 2114048  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.8 26.8  
125 11.0 7.4 11.2



#90  
Benzo(a)pyrene  
Concen: 16.182 ng  
RT: 23.29 min Scan# 3468  
Delta R.T. 0.01 min  
Lab File: BP003236.D  
Acq: 08 Sep 2020 20:20

Tgt Ion:252 Resp: 934788  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.4 26.0  
125 11.8 8.2 12.4





#91

Dibenzo(a,h)anthracene

Concen: 3.744 ng

RT: 25.66 min Scan# 3872

Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA\_P

ClientSampleId :

WC-PM-A2-10-14-C

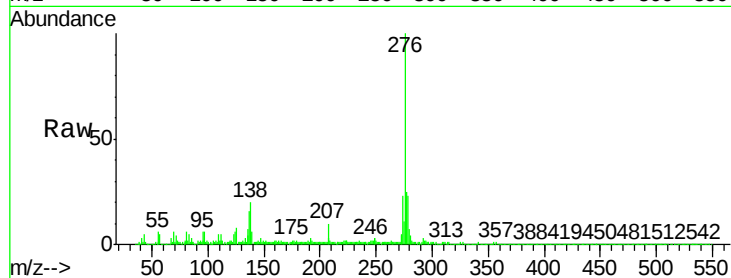
Tot Ion:278 Resp: 229808

Ion Ratio Lower Upper

278 100

139 23.6 12.4 18.6#

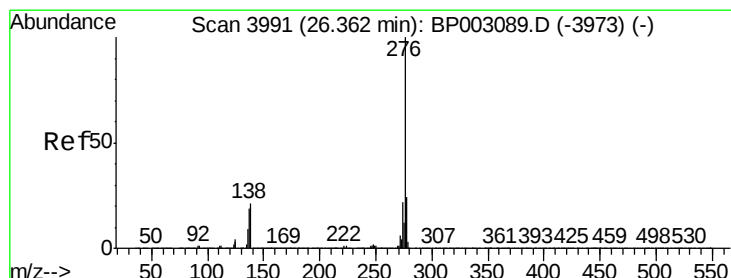
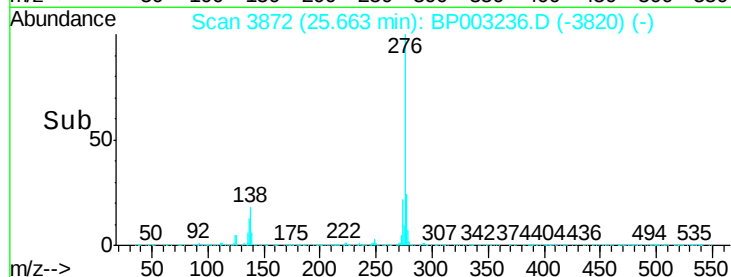
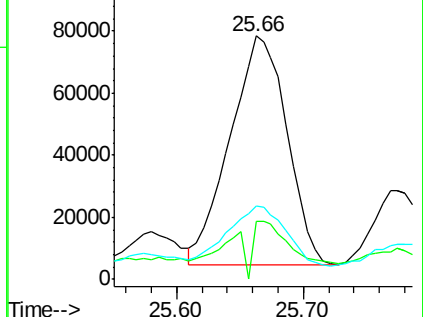
279 30.0 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 17.354 ng

RT: 26.36 min Scan# 3991

Delta R.T. 0.03 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

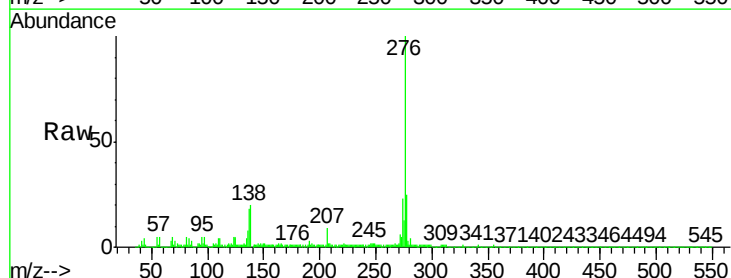
Tgt Ion:276 Resp: 1068887

Ion Ratio Lower Upper

276 100

277 24.9 19.0 28.6

138 20.0 16.6 24.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

