

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120319\  
 Data File : BP001172.D  
 Acq On : 03 Dec 2019 23:37  
 Operator : JU  
 Sample : K6022-11  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Dec 04 03:49:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 27 17:38:46 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.31  | 152  | 111256   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.35 | 136  | 405975   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 13.21 | 164  | 223355   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 15.60 | 188  | 426082   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 19.25 | 240  | 338707   | 20.00 | ng    | -0.03    |
| 87) Perylene-d12          | 21.02 | 264  | 348857   | 20.00 | ng    | -0.03    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 6.22  | 112  | 745847   | 111.22 | ng    | 0.00     |
| 7) Phenol-d6                | 7.76  | 99   | 1022554  | 114.46 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 676885   | 72.34  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 14.50 | 330  | 233245   | 108.95 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.13 | 172  | 1052222  | 68.95  | ng    | -0.02    |
| 79) Terphenyl-d14           | 17.89 | 244  | 1219119  | 66.59  | ng    | -0.02    |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 2) 1,4-Dioxane                 | 2.56  | 88   | 62       | 0.020     | ng    | # 1    |
| 3) Pyridine                    | 3.39  | 79   | 72       | 0.008     | ng    | # 1    |
| 4) n-Nitrosodimethylamine      | 3.28  | 42   | 172      | 0.046     | ng    | # 1    |
| 6) Aniline                     | 7.78  | 93   | 532      | 0.045     | ng    | # 1    |
| 8) 2-Chlorophenol              | 7.97  | 128  | 209      | 0.030     | ng    | # 1    |
| 9) Benzaldehyde                | 7.60  | 77   | 68       | Below Cal |       | # 60   |
| 10) Phenol                     | 7.78  | 94   | 15445    | 1.520     | ng    | # 89   |
| 11) bis(2-Chloroethyl)ether    | 7.95  | 93   | 1453     | 0.184     | ng    | # 1    |
| 12) 1,3-Dichlorobenzene        | 8.23  | 146  | 5        | 0.001     | ng    | # 15   |
| 13) 1,4-Dichlorobenzene        | 8.32  | 146  | 40       | 0.005     | ng    | # 1    |
| 14) 1,2-Dichlorobenzene        | 8.73  | 146  | 7        | 0.001     | ng    | # 86   |
| 15) Benzyl Alcohol             | 8.55  | 79   | 13005    | 1.773     | ng    | # 54   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.84  | 45   | 145      | 0.011     | ng    | # 59   |
| 17) 2-Methylphenol             | 8.73  | 107  | 34       | 0.005     | ng    | # 1    |
| 18) Hexachloroethane           | 9.13  | 117  | 32       | 0.009     | ng    | # 32   |
| 19) n-Nitroso-di-n-propylamine | 9.19  | 70   | 95364    | 14.793    | ng    | # 82   |
| 20) 3+4-Methylphenols          | 8.98  | 107  | 49       | 0.006     | ng    | # 49   |
| 22) Acetophenone               | 8.96  | 105  | 326      | 0.027     | ng    | # 88   |
| 24) Nitrobenzene               | 9.19  | 77   | 2711     | 0.291     | ng    | # 46   |
| 25) Isophorone                 | 9.62  | 82   | 2196     | 0.131     | ng    | # 86   |
| 26) 2-Nitrophenol              | 9.73  | 139  | 12       | 0.004     | ng    | # 1    |
| 27) 2,4-Dimethylphenol         | 9.83  | 122  | 25       | 0.005     | ng    | # 79   |
| 28) bis(2-Chloroethoxy)methane | 10.00 | 93   | 80       | 0.008     | ng    | # 1    |
| 29) 2,4-Dichlorophenol         | 10.13 | 162  | 18       | 0.003     | ng    | # 1    |
| 30) 1,2,4-Trichlorobenzene     | 10.28 | 180  | 22       | 0.003     | ng    | # 68   |
| 31) Naphthalene                | 10.38 | 128  | 375      | 0.018     | ng    | # 79   |
| 32) Benzoic acid               | 10.17 | 122  | 5        | 0.001     | ng    | # 88   |
| 33) 4-Chloroaniline            | 10.46 | 127  | 41       | 0.005     | ng    | # 49   |
| 34) Hexachlorobutadiene        | 10.60 | 225  | 7        | 0.002     | ng    | # 42   |
| 35) Caprolactam                | 11.00 | 113  | 34       | 0.016     | ng    | # 1    |
| 36) 4-Chloro-3-methylphenol    | 11.27 | 107  | 47       | 0.006     | ng    | # 46   |
| 37) 2-Methylnaphthalene        | 11.56 | 142  | 16       | 0.001     | ng    | # 93   |
| 38) 1-Methylnaphthalene        | 11.67 | 142  | 124      | 0.009     | ng    | # 89   |
| 40) 1,2,4,5-Tetrachlorobenzene | 11.79 | 216  | 5        | 0.001     | ng    | # 1    |

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 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

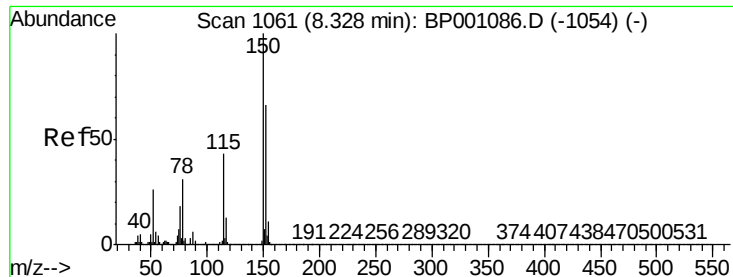
Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Dec 04 03:49:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
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 QLast Update : Wed Nov 27 17:38:46 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 11.86 | 237  | 5        | 0.002 | ng    | 78       |
| 43) 2,4,6-Trichlorophenol      | 11.99 | 196  | 42       | 0.009 | ng    | # 37     |
| 44) 2,4,5-Trichlorophenol      | 12.02 | 196  | 22       | 0.005 | ng    | # 1      |
| 46) 1,1'-Biphenyl              | 12.28 | 154  | 2369     | 0.137 | ng    | 91       |
| 47) 2-Chloronaphthalene        | 12.31 | 162  | 14       | 0.001 | ng    | # 1      |
| 48) 2-Nitroaniline             | 12.49 | 65   | 233      | 0.043 | ng    | # 31     |
| 49) Acenaphthylene             | 12.97 | 152  | 396      | 0.019 | ng    | # 43     |
| 50) Dimethylphthalate          | 12.79 | 163  | 150099   | 8.985 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 12.86 | 165  | 170      | 0.048 | ng    | # 44     |
| 52) Acenaphthene               | 13.26 | 154  | 283      | 0.023 | ng    | 96       |
| 53) 3-Nitroaniline             | 13.15 | 138  | 458      | 0.114 | ng    | # 30     |
| 54) 2,4-Dinitrophenol          | 13.30 | 184  | 10       | 7.115 | ng    | # 1      |
| 55) Dibenzofuran               | 13.55 | 168  | 136      | 0.007 | ng    | # 1      |
| 56) 4-Nitrophenol              | 13.42 | 139  | 115      | 0.040 | ng    | # 1      |
| 57) 2,4-Dinitrotoluene         | 13.54 | 165  | 57       | 0.013 | ng    | # 51     |
| 58) Fluorene                   | 14.11 | 166  | 234      | 0.016 | ng    | # 37     |
| 59) 2,3,4,6-Tetrachlorophenol  | 13.75 | 232  | 20       | 0.005 | ng    | # 1      |
| 60) Diethylphthalate           | 13.97 | 149  | 660      | 0.038 | ng    | # 52     |
| 61) 4-Chlorophenyl-phenylether | 14.13 | 204  | 64       | 0.008 | ng    | # 1      |
| 62) 4-Nitroaniline             | 12.46 | 138  | 99       | 0.021 | ng    | # 35     |
| 63) Azobenzene                 | 14.42 | 77   | 762      | 0.041 | ng    | # 43     |
| 65) 4,6-Dinitro-2-methylphenol | 14.22 | 198  | 21       | 6.286 | ng    | # 1      |
| 66) n-Nitrosodiphenylamine     | 14.33 | 169  | 738      | 0.057 | ng    | # 56     |
| 67) 4-Bromophenyl-phenylether  | 14.92 | 248  | 38       | 0.008 | ng    | # 1      |
| 68) Hexachlorobenzene          | 15.00 | 284  | 6        | 0.001 | ng    | # 1      |
| 69) Atrazine                   | 15.14 | 200  | 54       | 0.014 | ng    | 94       |
| 70) Pentachlorophenol          | 15.51 | 266  | 11       | 0.004 | ng    | 93       |
| 71) Phenanthrene               | 15.64 | 178  | 3036     | 0.136 | ng    | # 84     |
| 72) Anthracene                 | 15.72 | 178  | 848      | 0.038 | ng    | # 48     |
| 73) Carbazole                  | 15.96 | 167  | 363      | 0.018 | ng    | # 12     |
| 74) Di-n-butylphthalate        | 16.52 | 149  | 1539     | 0.057 | ng    | # 93     |
| 75) Fluoranthene               | 17.35 | 202  | 4389     | 0.185 | ng    | 98       |
| 77) Benzidine                  | 17.53 | 184  | 99       | 0.011 | ng    | # 1      |
| 78) Pyrene                     | 17.66 | 202  | 4233     | 0.159 | ng    | # 74     |
| 80) Butylbenzylphthalate       | 18.54 | 149  | 69       | 0.006 | ng    | # 49     |
| 81) Benzo(a)anthracene         | 19.28 | 228  | 1791     | 0.076 | ng    | 93       |
| 82) 3,3'-Dichlorobenzidine     | 19.18 | 252  | 63       | 0.008 | ng    | # 16     |
| 83) Chrysene                   | 19.28 | 228  | 1791     | 0.085 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 19.46 | 149  | 179      | 0.011 | ng    | 98       |
| 85) Di-n-octyl phthalate       | 20.06 | 149  | 101      | 0.003 | ng    | # 75     |
| 86) Indeno(1,2,3-cd)pyrene     | 22.64 | 276  | 1228     | 0.050 | ng    | # 89     |
| 88) Benzo(b)fluoranthene       | 20.53 | 252  | 3484     | 0.164 | ng    | # 72     |
| 89) Benzo(k)fluoranthene       | 20.53 | 252  | 3484     | 0.170 | ng    | # 71     |
| 90) Benzo(a)pyrene             | 20.95 | 252  | 1654     | 0.084 | ng    | # 72     |
| 91) Dibenzo(a,h)anthracene     | 22.66 | 278  | 347      | 0.018 | ng    | # 50     |
| 92) Benzo(g,h,i)perylene       | 23.15 | 276  | 1082     | 0.057 | ng    | # 88     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.31 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

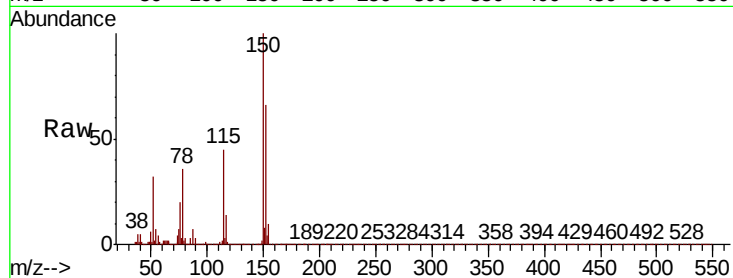
Tot Ion:152 Resp: 111256

Ion Ratio Lower Upper

152 100

150 151.8 120.6 181.0

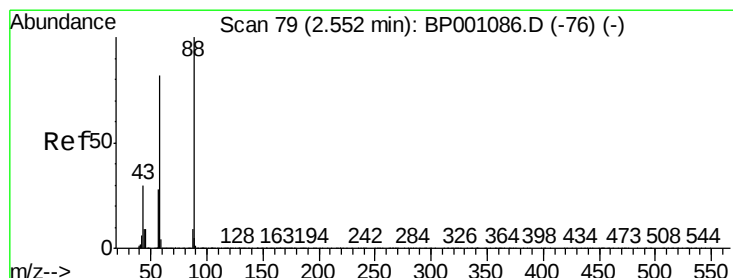
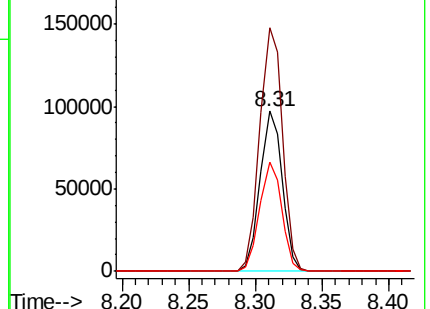
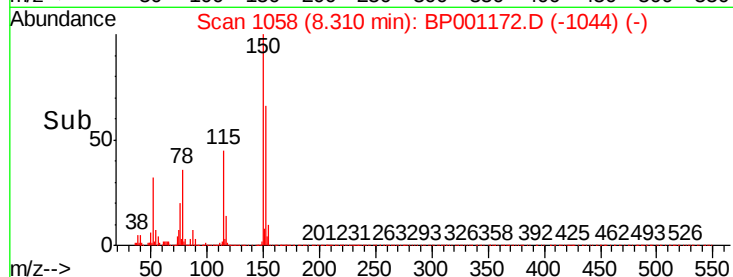
115 68.4 51.6 77.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.020 ng

RT: 2.56 min Scan# 80

Delta R.T. 0.01 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

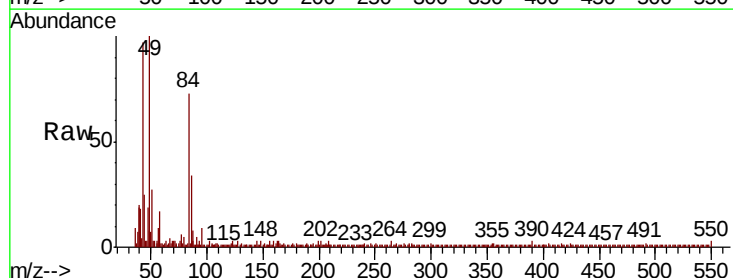
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

58 356.5 64.3 96.5#

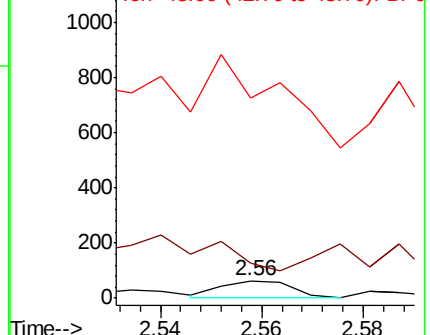
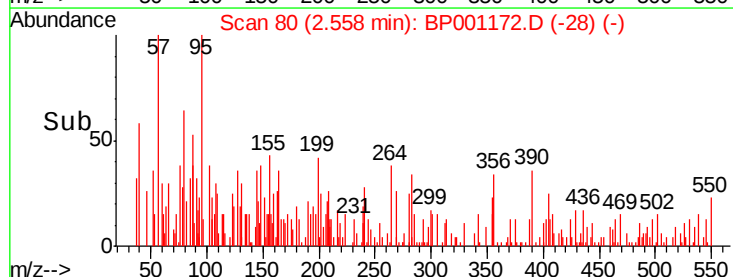
43 367.7 23.8 35.6#

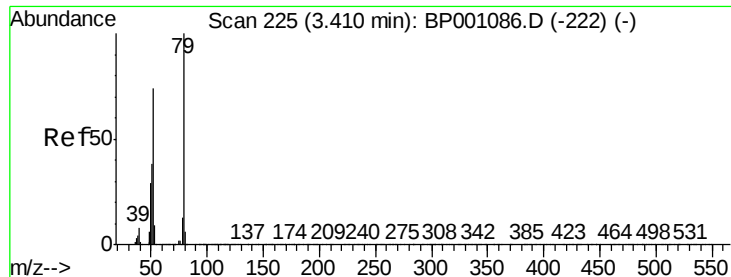


Abundance Ion 88.00 (87.70 to 88.70): BP0

Ion 58.00 (57.70 to 58.70): BP0

Ion 43.00 (42.70 to 43.70): BP0

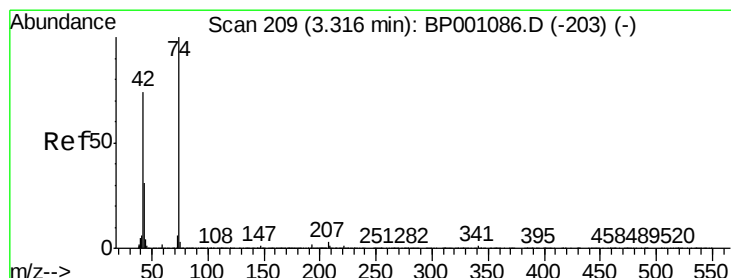
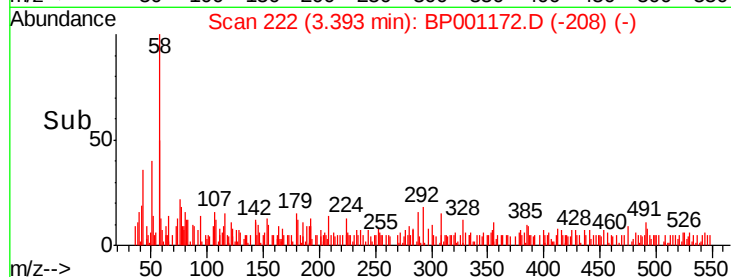
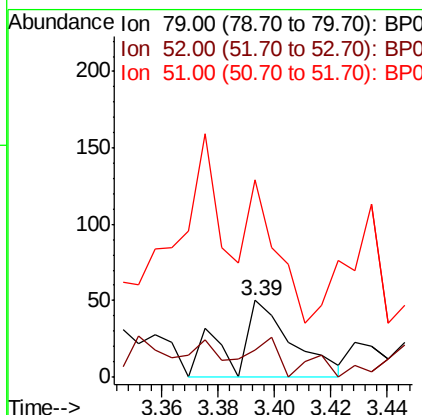
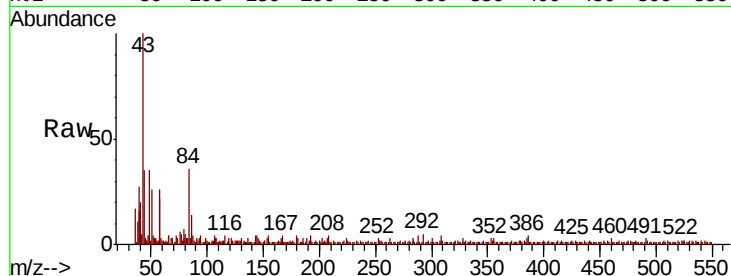




#3  
 Pvridine  
 Concen: 0.008 ng  
 RT: 3.39 min Scan# 222  
 Delta R.T. -0.02 min  
 Lab File: BP001172.D  
 Acq: 03 Dec 2019 23:37

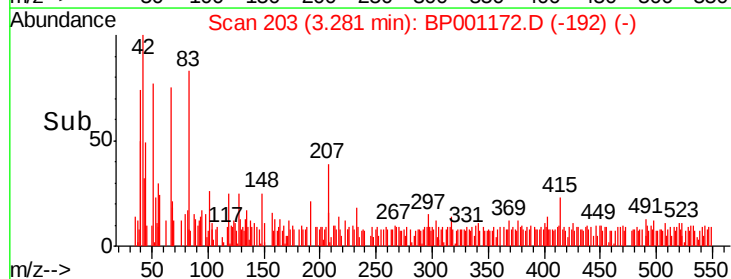
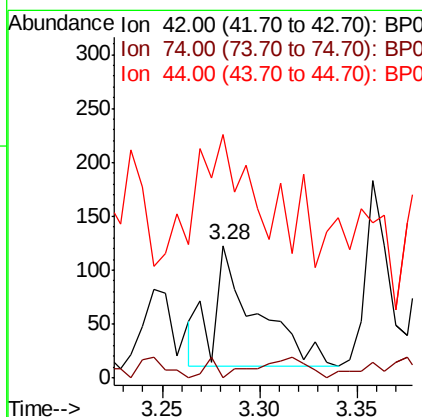
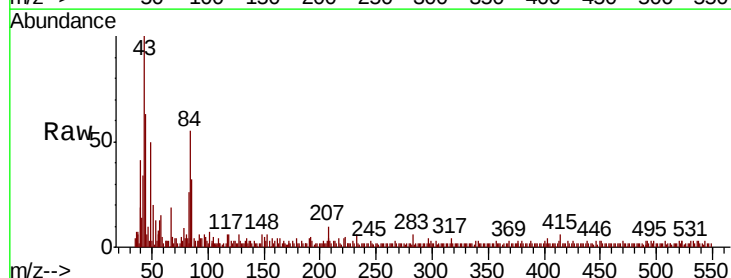
Instrument :  
 BNA\_P  
 ClientSampleId :

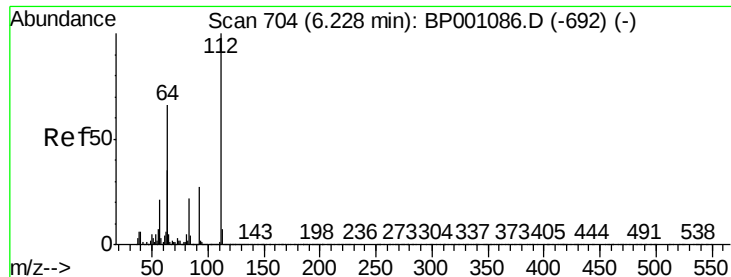
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 36.0  | 59.4  | 89.2# |
| 51      | 258.0 | 30.2  | 45.4# |



#4  
 n-Nitrosodimethylamine  
 Concen: 0.046 ng  
 RT: 3.28 min Scan# 203  
 Delta R.T. -0.04 min  
 Lab File: BP001172.D  
 Acq: 03 Dec 2019 23:37

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 0.0   | 108.6 | 163.0# |
| 44      | 183.7 | 5.1   | 7.7#   |





#5

2-Fluorophenol

Concen: 111.223 ng

RT: 6.22 min Scan# 703

Delta R.T. -0.01 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

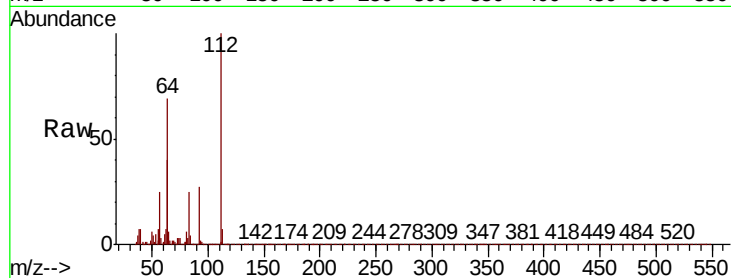
Tot Ion:112 Resp: 745847

Ion Ratio Lower Upper

112 100

64 69.4 52.8 79.2

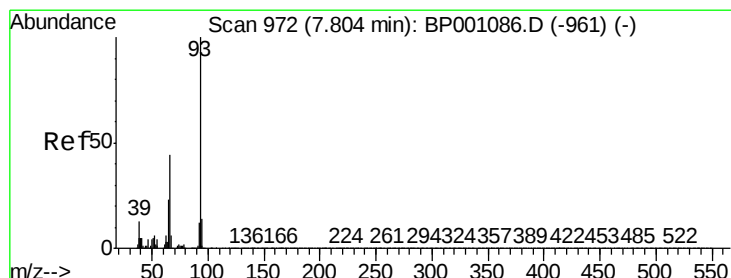
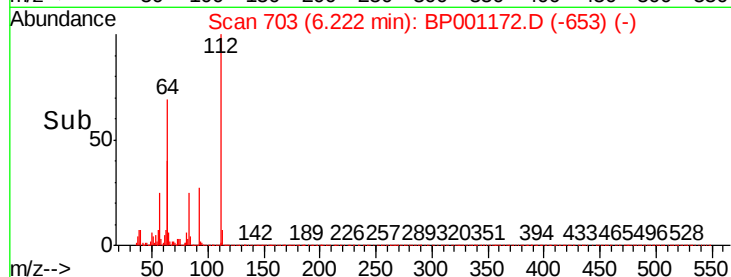
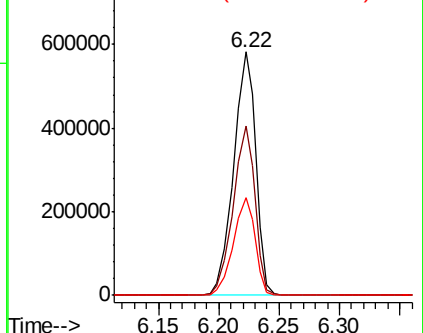
63 40.3 28.2 42.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 0.045 ng

RT: 7.78 min Scan# 967

Delta R.T. -0.03 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

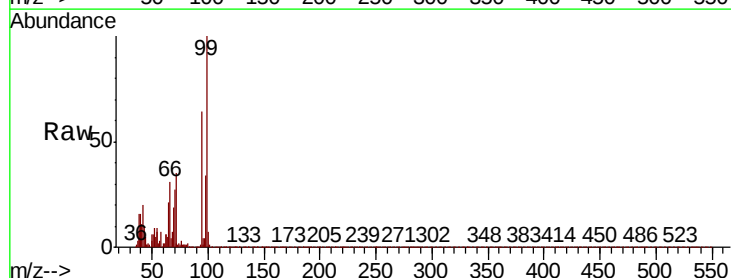
Tgt Ion: 93 Resp: 532

Ion Ratio Lower Upper

93 100

66 2356.6 34.9 52.3#

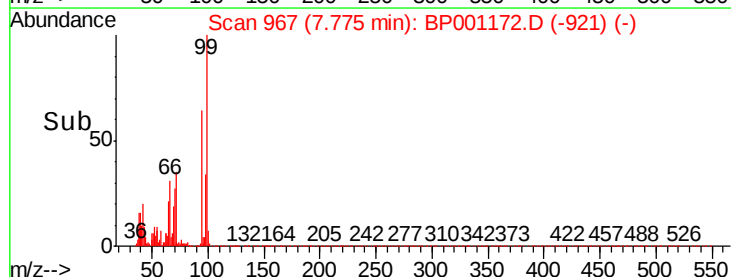
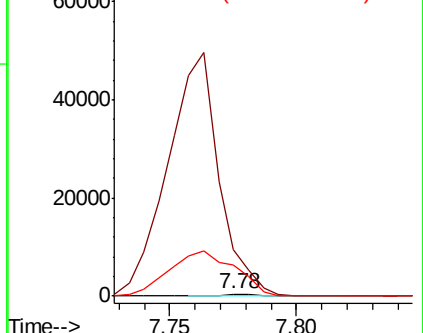
65 1600.2 18.5 27.7#



Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 114.458 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.01 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampled :

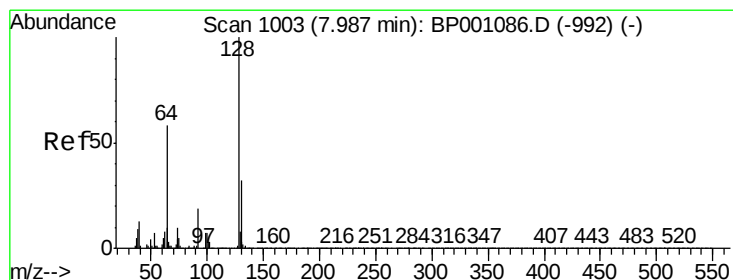
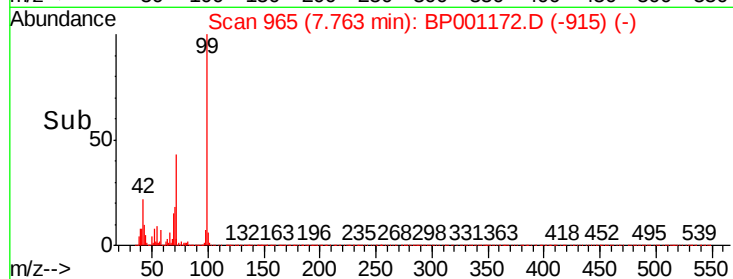
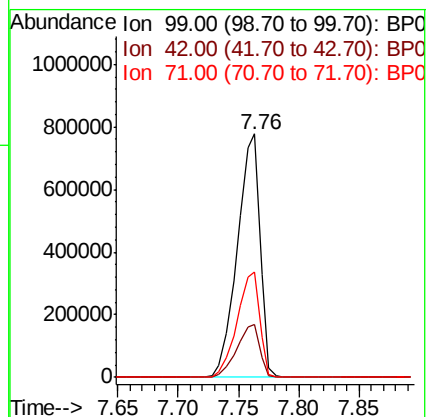
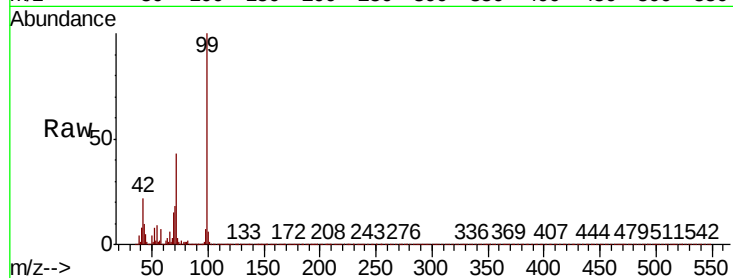
Tot Ion: 99 Resp: 1022554

Ion Ratio Lower Upper

99 100

42 21.7 15.4 23.0

71 43.1 30.8 46.2



#8

2-Chlorophenol

Concen: 0.030 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

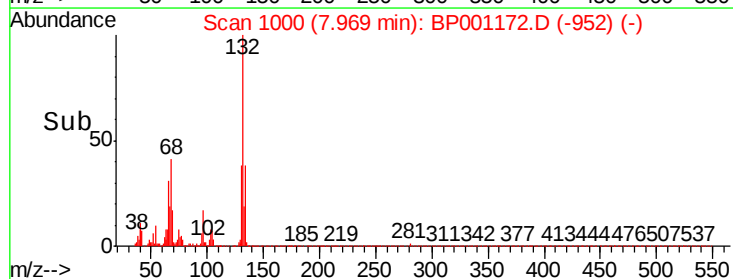
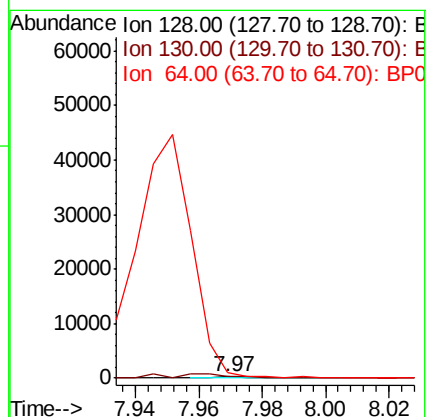
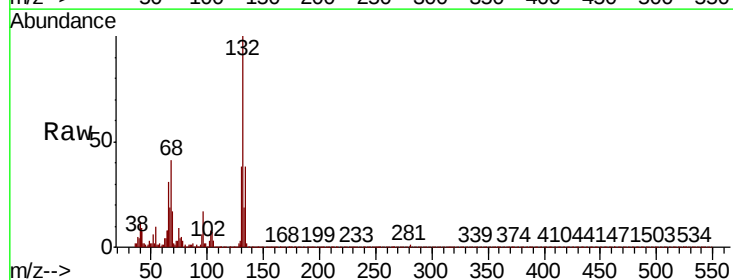
Tgt Ion: 128 Resp: 209

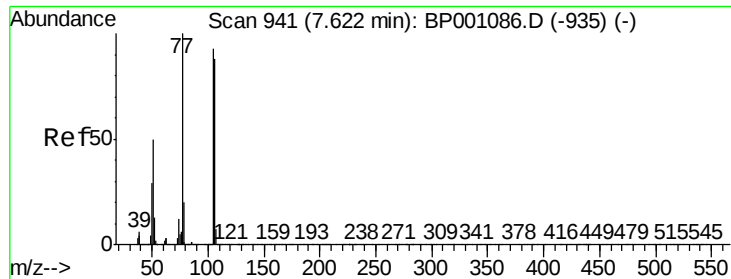
Ion Ratio Lower Upper

128 100

130 184.2 11.7 51.7#

64 448.8 39.7 79.7#





#9

Benzaldehyde

Concen: Below Cal

RT: 7.60 min Scan# 938

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

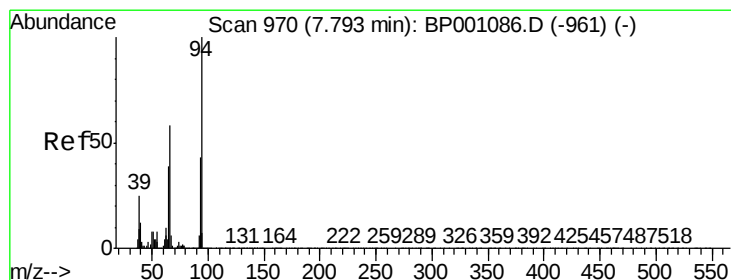
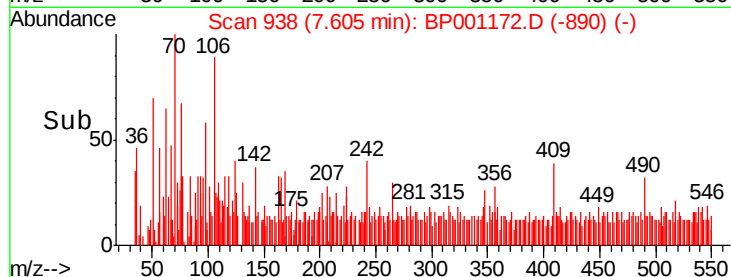
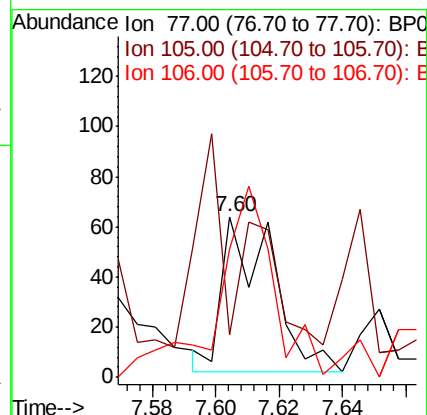
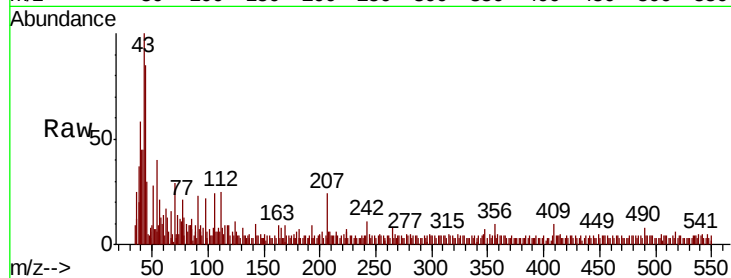
Tot Ion: 77 Resp: 68

Ion Ratio Lower Upper

77 100

105 26.6 72.5 112.5#

106 79.7 67.6 107.6



#10

Phenol

Concen: 1.520 ng

RT: 7.78 min Scan# 967

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

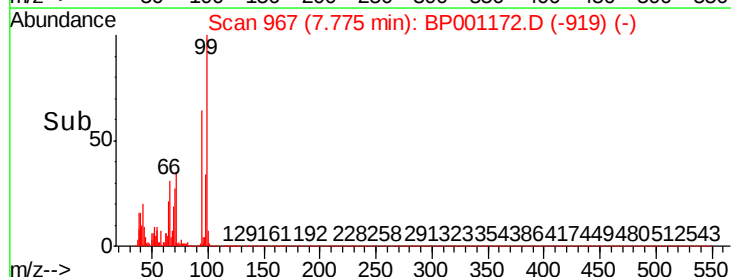
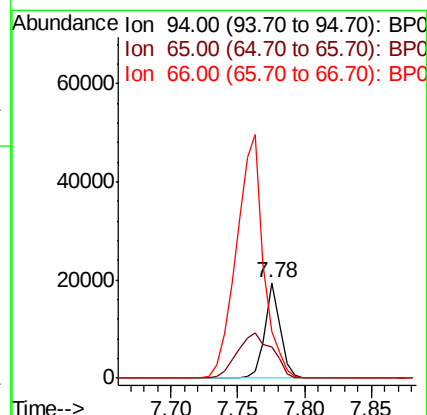
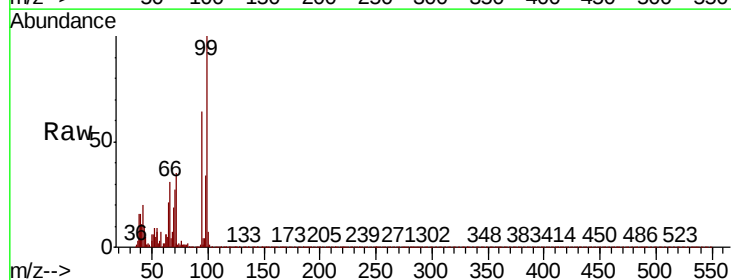
Tgt Ion: 94 Resp: 15445

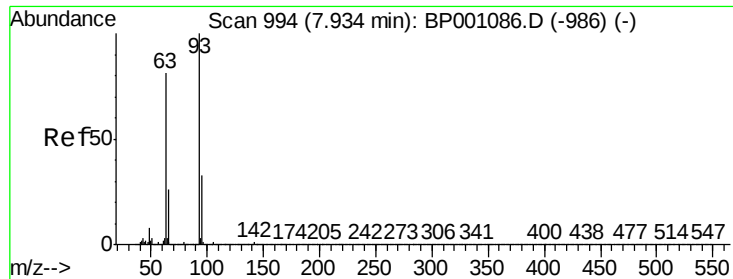
Ion Ratio Lower Upper

94 100

65 33.2 18.6 58.6

66 48.9 37.6 77.6

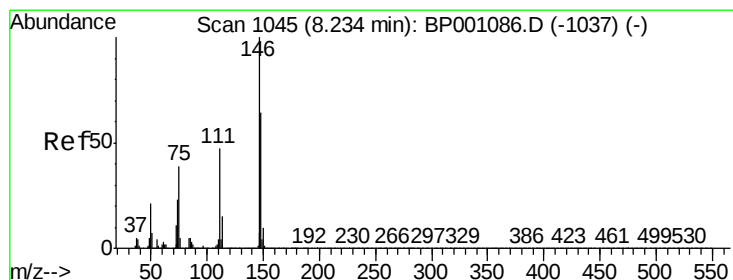
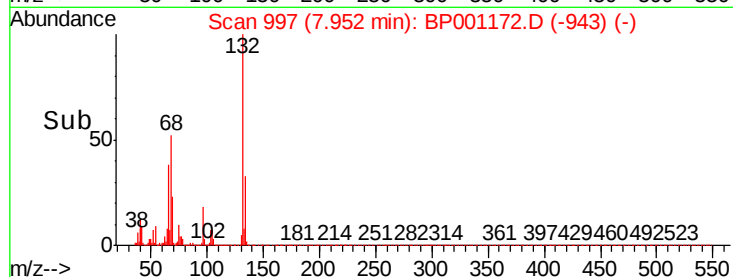
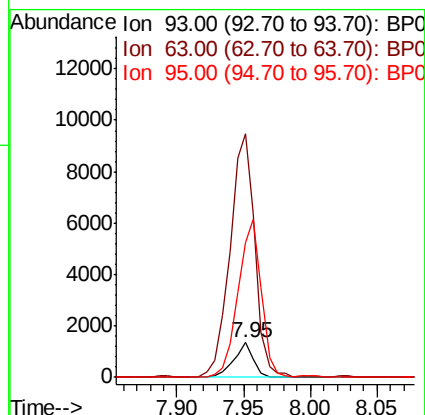
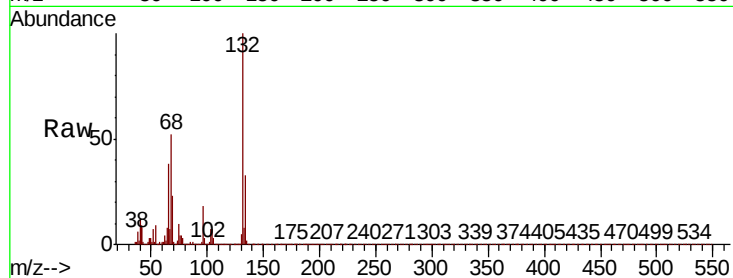




#11  
bis(2-Chloroethyl)ether  
Concen: 0.184 ng  
RT: 7.95 min Scan# 997  
Delta R.T. 0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

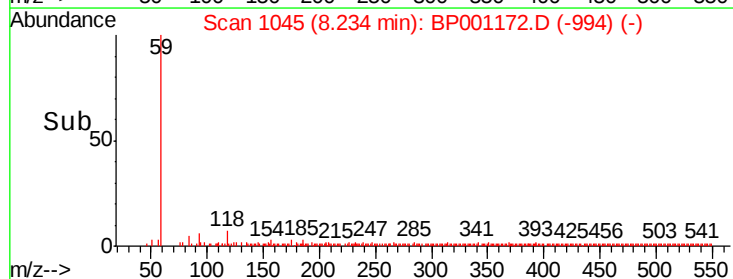
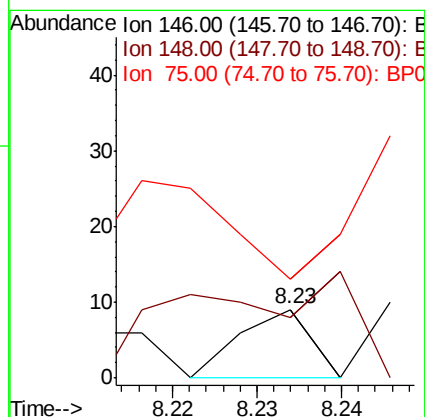
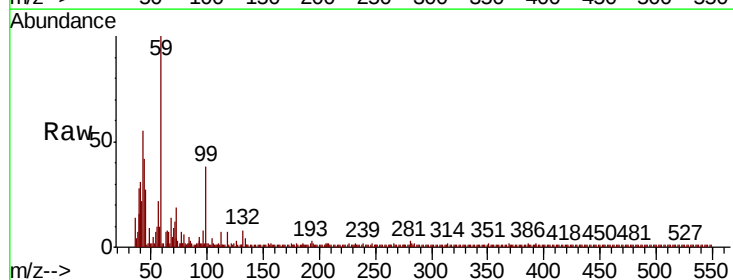
Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion: 93 Resp: 1453  
Ion Ratio Lower Upper  
93 100  
63 706.2 60.7 100.7#  
95 389.4 12.7 52.7#



#12  
1,3-Dichlorobenzene  
Concen: 0.001 ng  
RT: 8.23 min Scan# 1045  
Delta R.T. 0.00 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

Tgt Ion: 146 Resp: 5  
Ion Ratio Lower Upper  
146 100  
148 88.9 51.1 76.7#  
75 144.4 31.3 46.9#

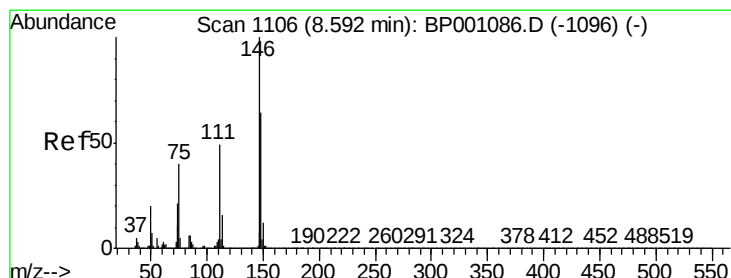
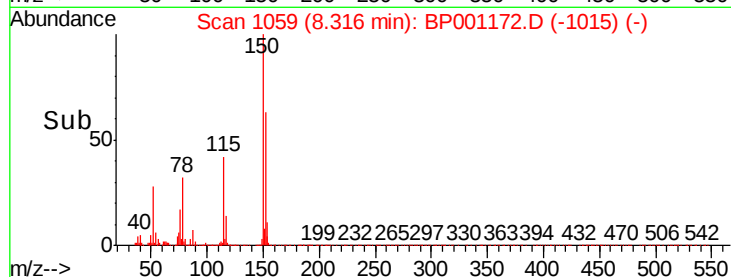
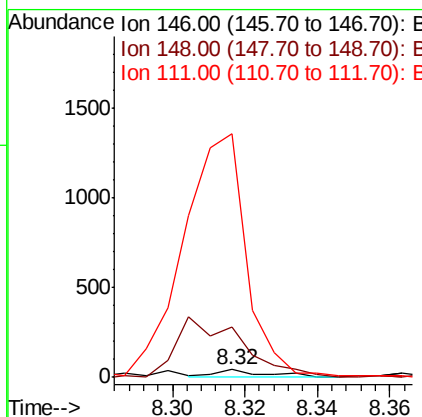
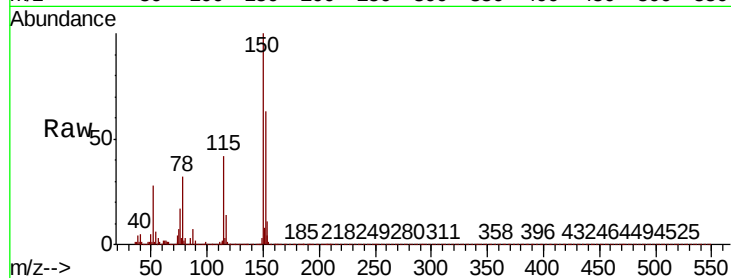




#13  
 1,4-Dichlorobenzene  
 Concen: 0.005 ng  
 RT: 8.32 min Scan# 1059  
 Delta R.T. -0.04 min  
 Lab File: BP001172.D  
 Acq: 03 Dec 2019 23:37

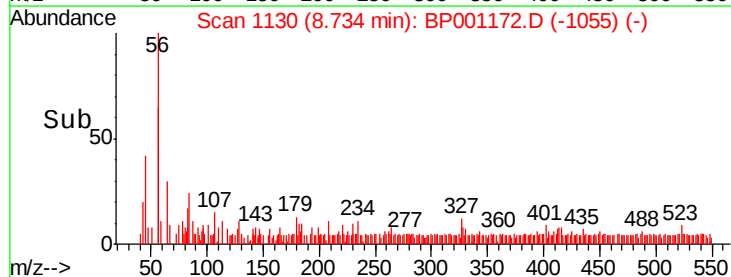
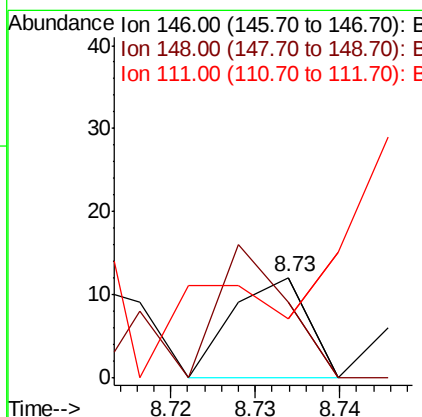
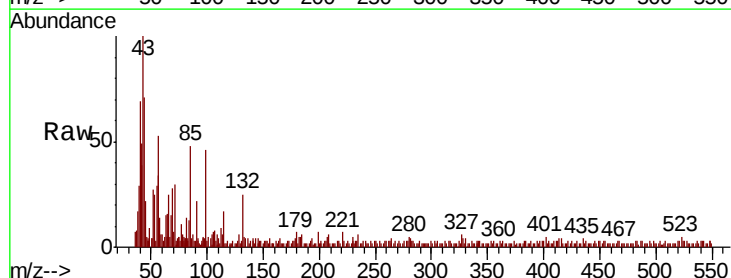
Instrument :  
 BNA\_P  
 ClientSampleId :

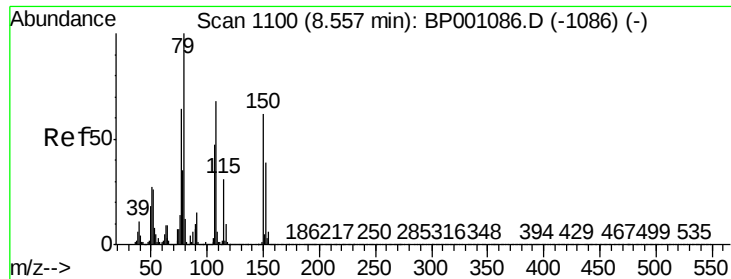
Tot Ion:146 Resp: 40  
 Ion Ratio Lower Upper  
 146 100  
 148 659.5 51.6 77.4#  
 111 3223.8 37.0 55.6#



#14  
 1,2-Dichlorobenzene  
 Concen: 0.001 ng  
 RT: 8.73 min Scan# 1130  
 Delta R.T. 0.14 min  
 Lab File: BP001172.D  
 Acq: 03 Dec 2019 23:37

Tgt Ion:146 Resp: 7  
 Ion Ratio Lower Upper  
 146 100  
 148 75.0 51.5 77.3  
 111 58.3 39.3 58.9

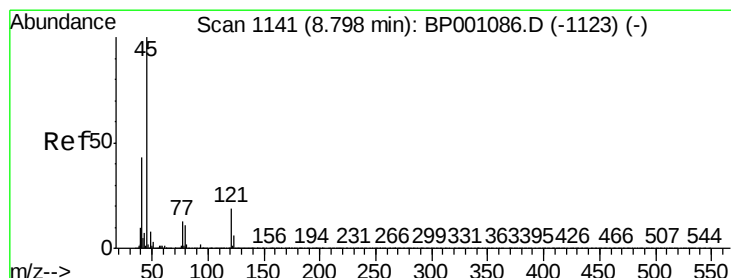
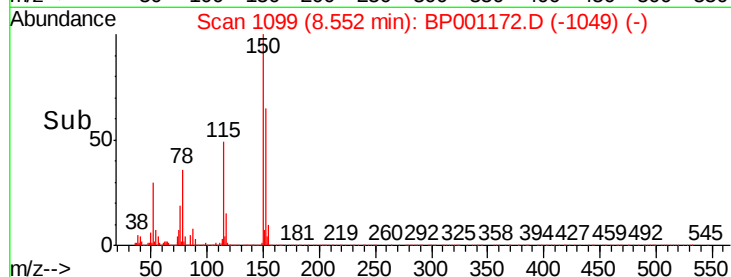
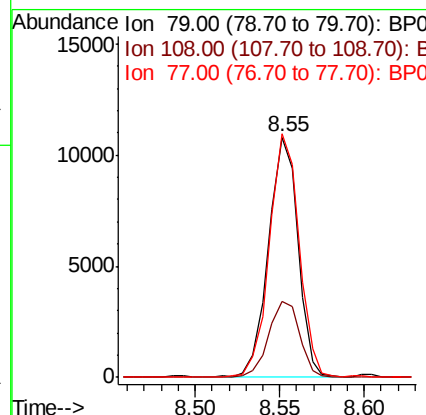
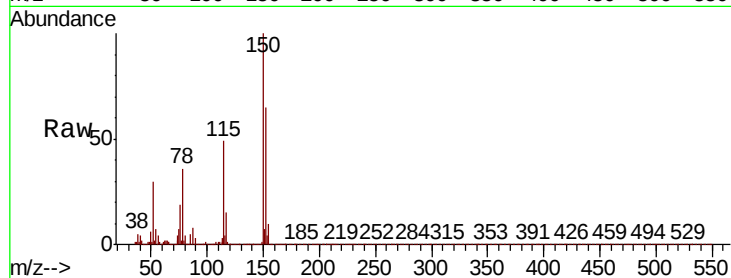




#15  
Benzyl Alcohol  
Concen: 1.773 ng  
RT: 8.55 min Scan# 1099  
Delta R.T. -0.01 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

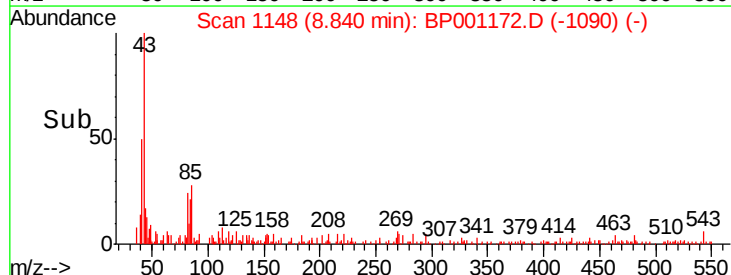
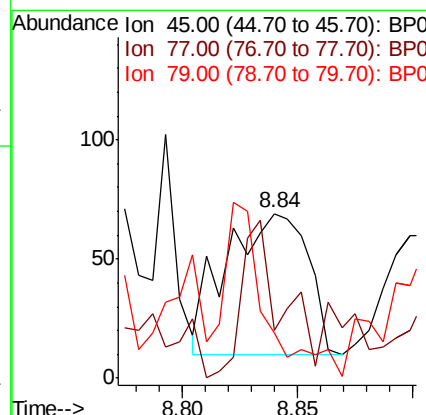
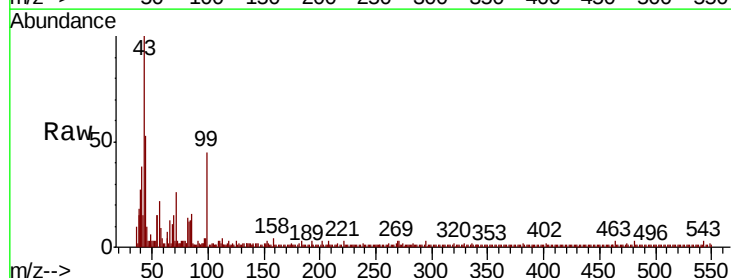
Instrument :  
BNA\_P  
ClientSampled :

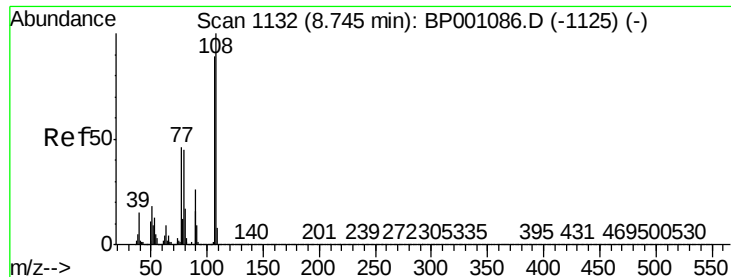
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 31.6  | 54.8  | 82.2# |
| 77      | 101.3 | 51.4  | 77.2# |



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 0.011 ng  
RT: 8.84 min Scan# 1148  
Delta R.T. 0.04 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 29.0  | 0.0   | 33.3  |
| 79      | 27.5  | 0.0   | 30.9  |





#17

2-Methylphenol

Concen: 0.005 ng

RT: 8.73 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BP001172.D

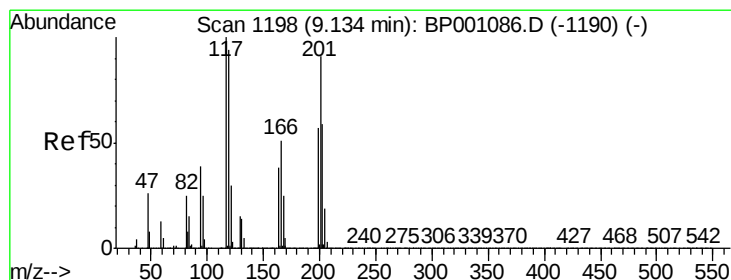
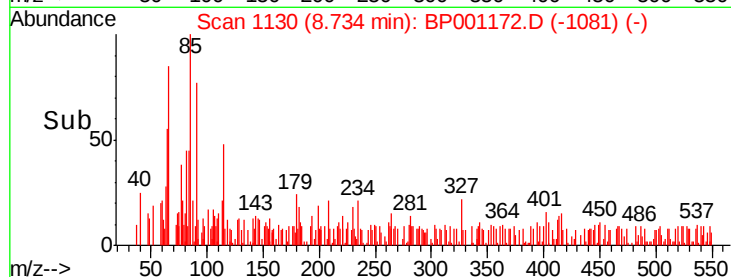
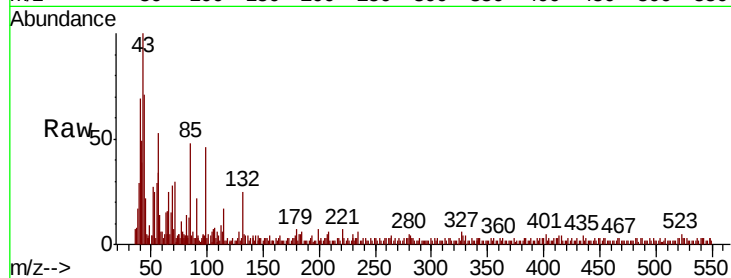
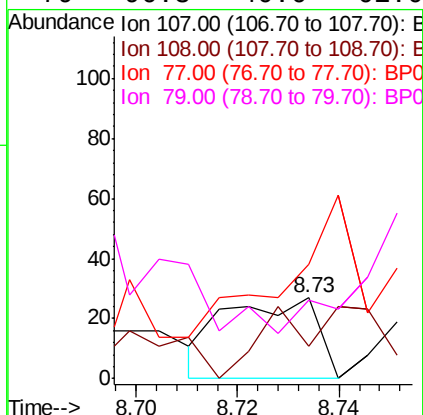
Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 34     |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 40.7  | 89.8  | 134.6# |
| 77       | 218.5 | 41.4  | 62.2#  |
| 79       | 96.3  | 40.6  | 61.0#  |



#18

Hexachloroethane

Concen: 0.009 ng

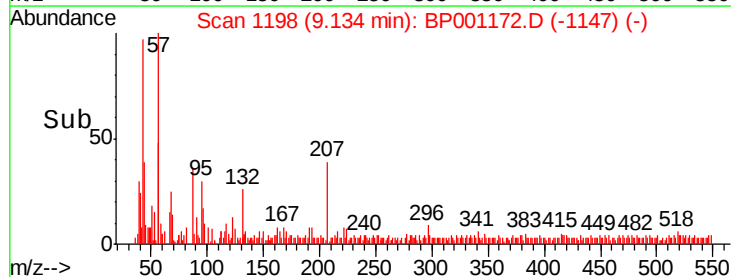
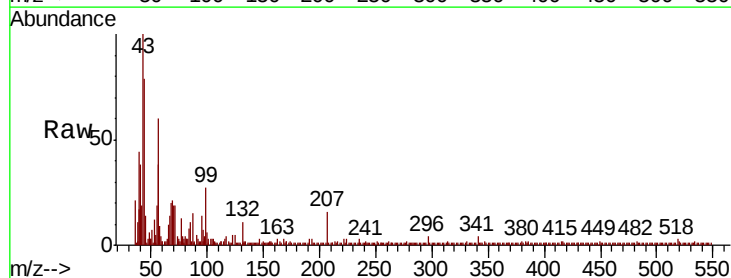
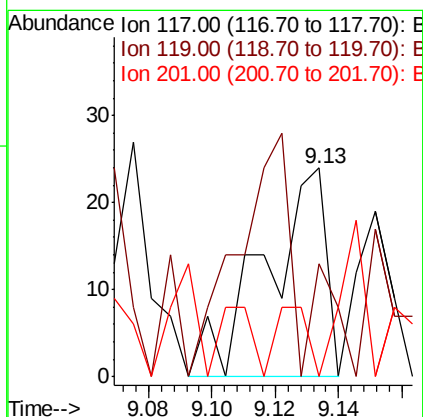
RT: 9.13 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 32     |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 54.2  | 75.2  | 112.8# |
| 201      | 0.0   | 72.5  | 108.7# |

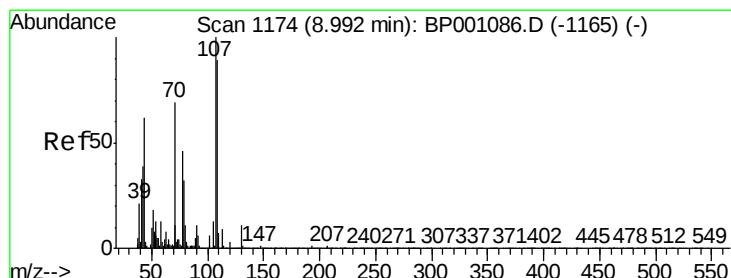
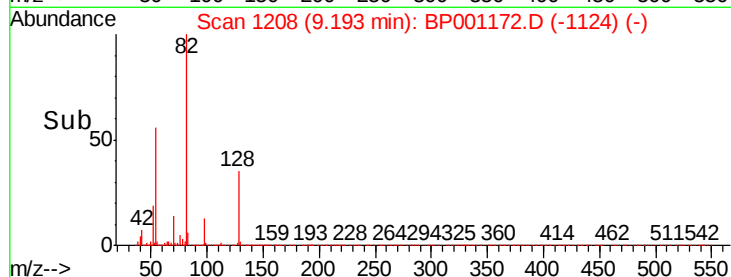
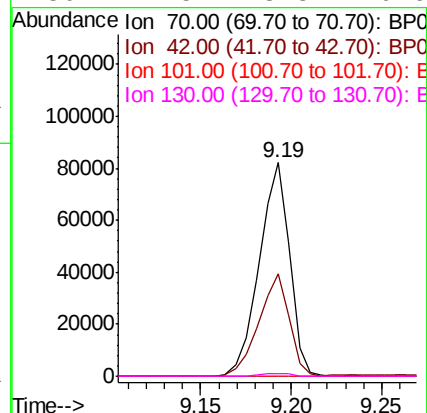
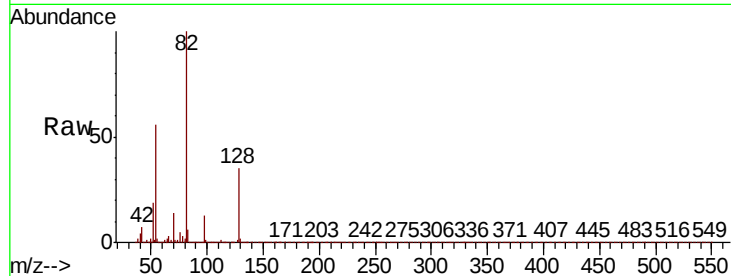




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.793 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. 0.19 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

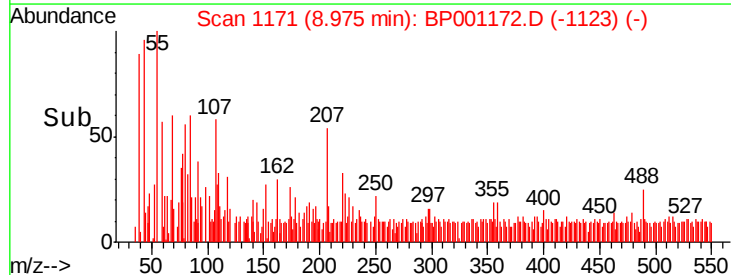
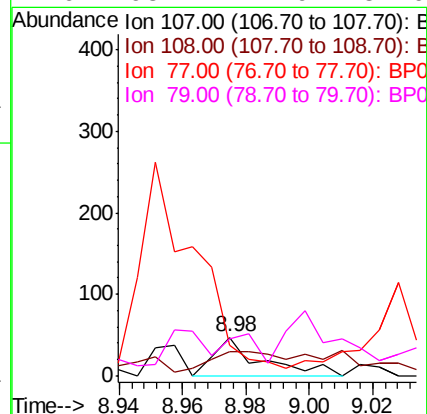
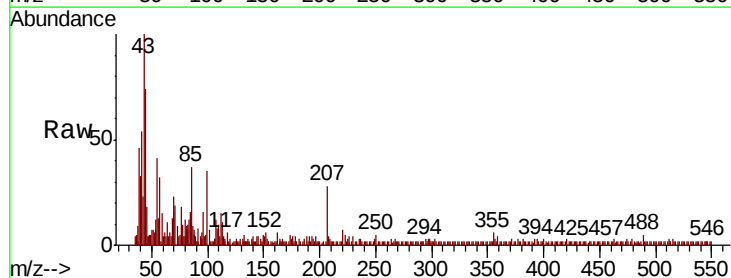
Instrument :  
BNA\_P  
ClientSampleId :

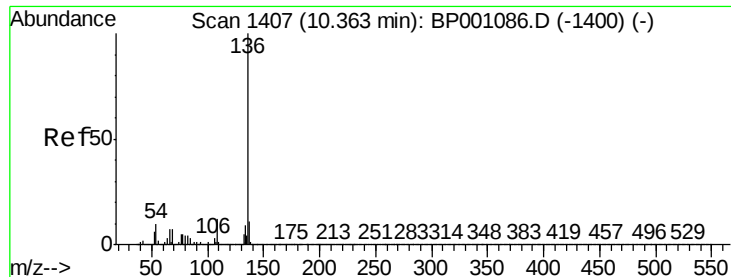
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 70    | Resp: | 95364 |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 47.8  | 44.6  | 66.8  |
| 101       | 0.1   | 7.1   | 10.7# |
| 130       | 1.5   | 13.8  | 20.6# |



#20  
3+4-Methylphenols  
Concen: 0.006 ng  
RT: 8.98 min Scan# 1171  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 49     |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 63.8  | 68.9  | 108.9# |
| 77        | 80.9  | 25.9  | 65.9#  |
| 79        | 95.7  | 11.9  | 51.9#  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BP001172.D

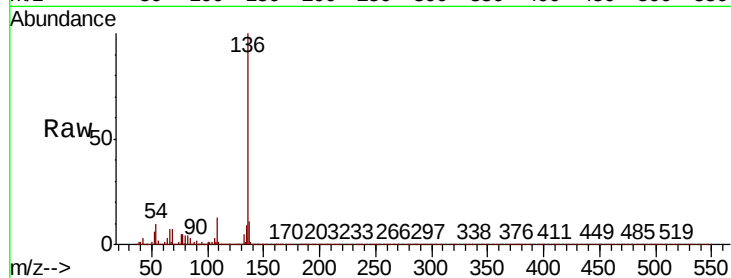
Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 405975 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.8    | 8.8   | 13.2   |
| 54 10.1     | 7.9   | 11.9   |
| 68 6.6      | 5.6   | 8.4    |



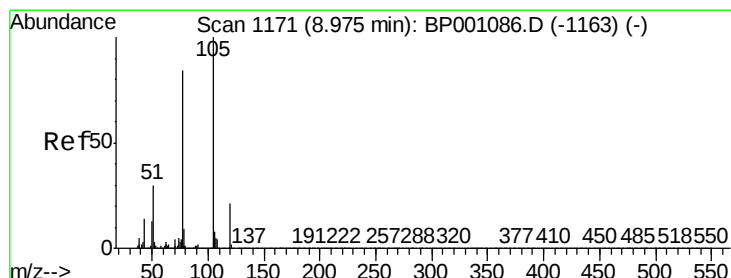
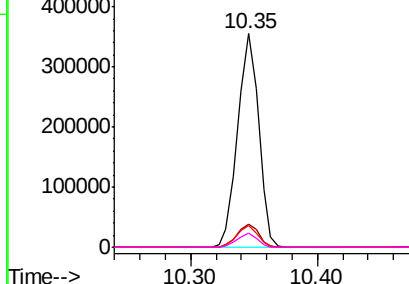
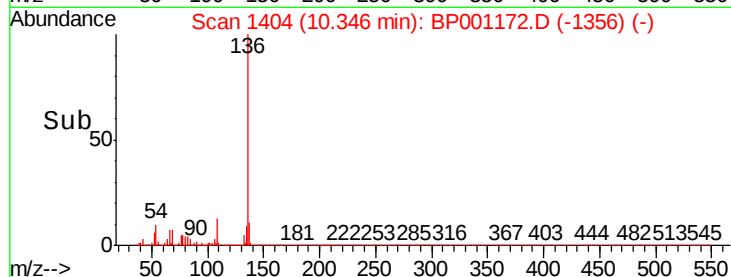
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



#22

Acetophenone

Concen: 0.027 ng

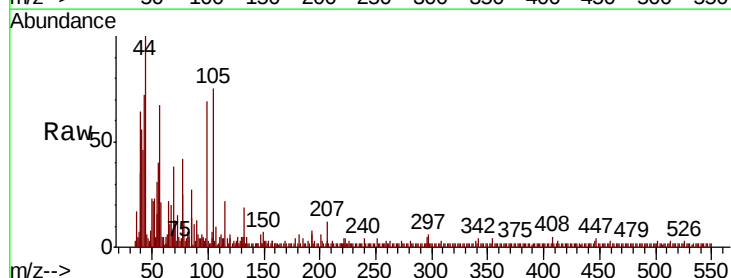
RT: 8.96 min Scan# 1168

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:105 | Resp: | 326   |
| Ion Ratio   | Lower | Upper |
| 105 100     |       |       |
| 71 17.9     | 0.5   | 0.7#  |
| 51 29.3     | 24.2  | 36.4  |
| 120 7.7     | 16.4  | 24.6# |



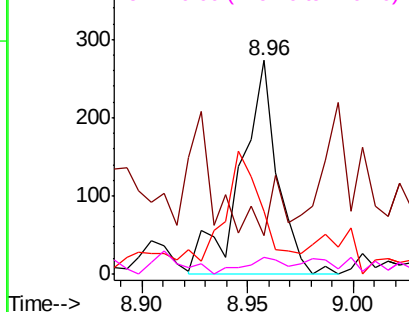
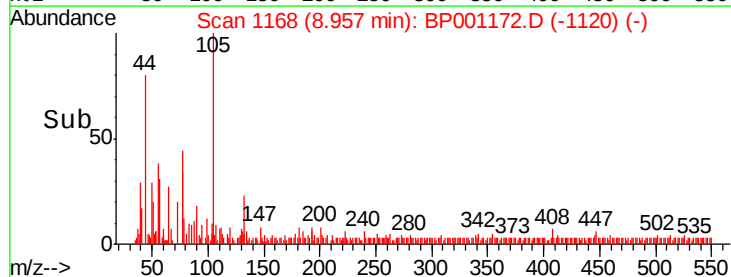
Abundance

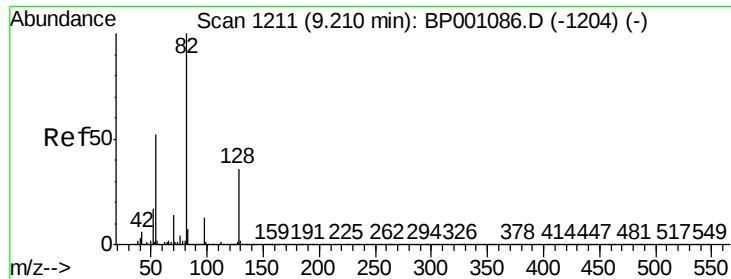
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BP0

Ion 51.00 (50.70 to 51.70): BP0

Ion 120.00 (119.70 to 120.70): E

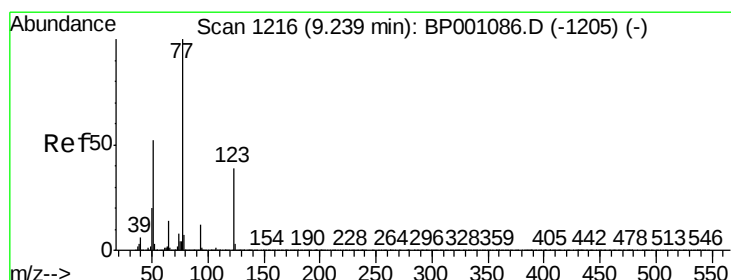
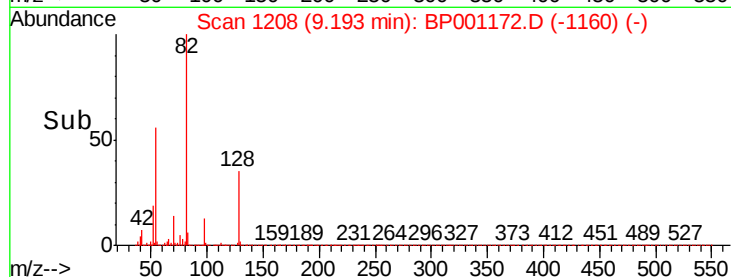
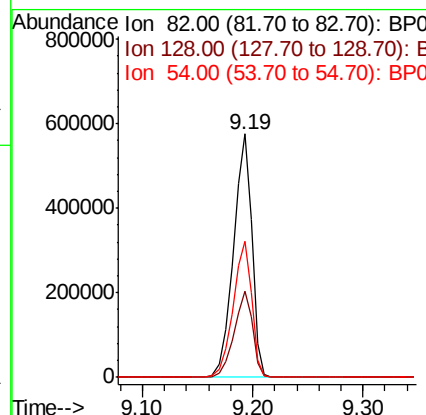
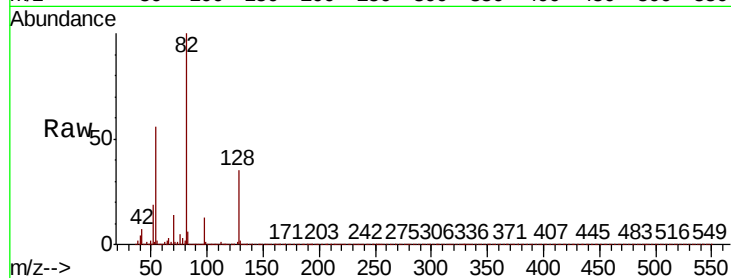




#23  
Nitrobenzene-d5  
Concen: 72.338 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

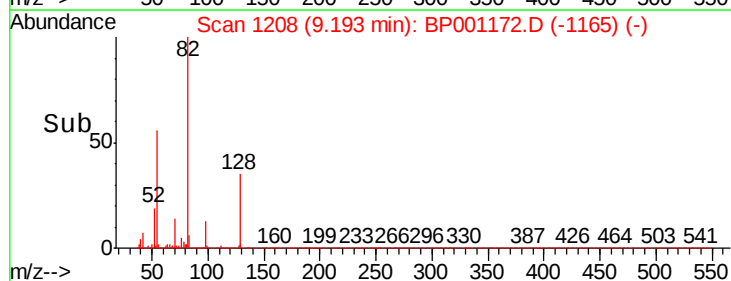
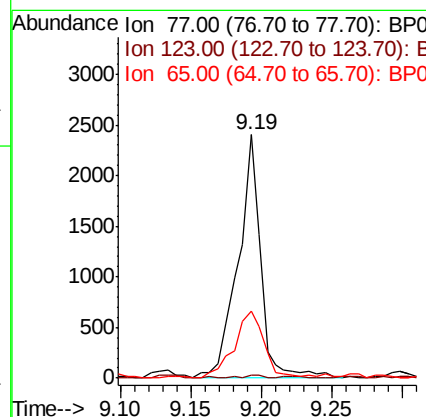
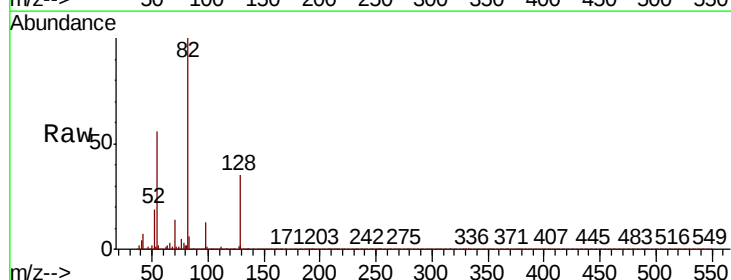
Instrument :  
BNA\_P  
ClientSampleId :

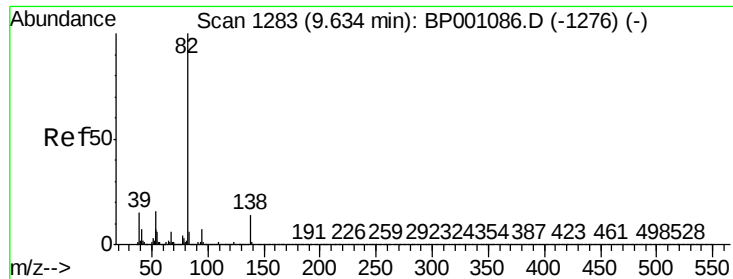
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.2  | 28.9  | 43.3  |
| 54      | 56.1  | 41.9  | 62.9  |



#24  
Nitrobenzene  
Concen: 0.291 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. -0.05 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 1.2   | 31.0  | 46.4# |
| 65      | 27.3  | 11.0  | 16.6# |

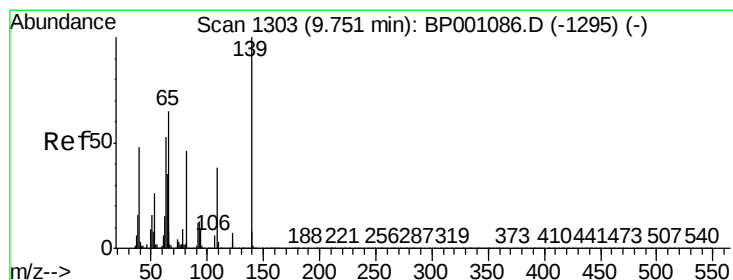
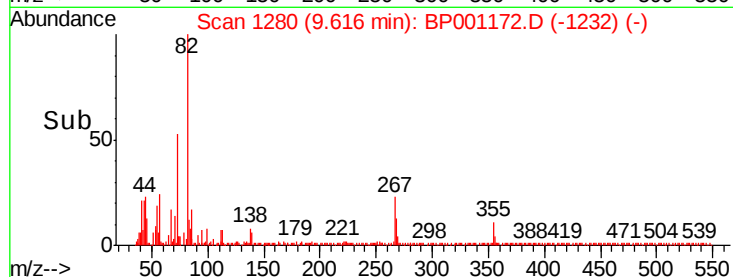
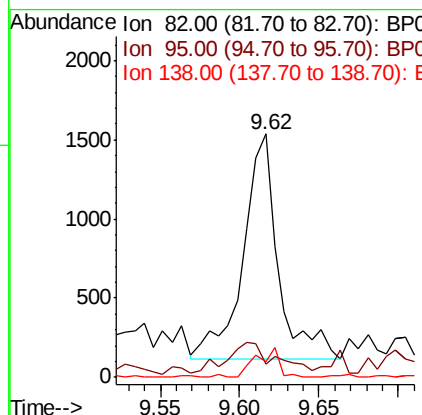
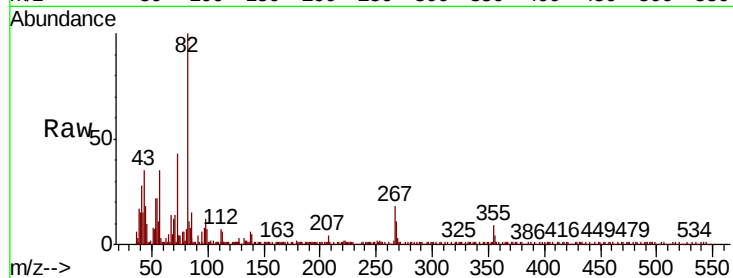




#25  
Isophorone  
Concen: 0.131 ng  
RT: 9.62 min Scan# 1280  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

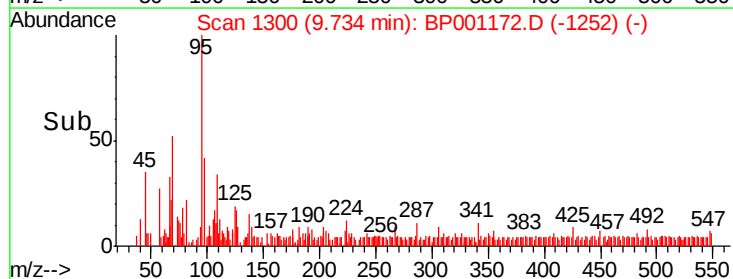
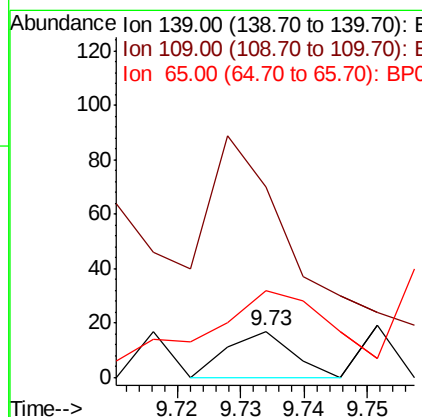
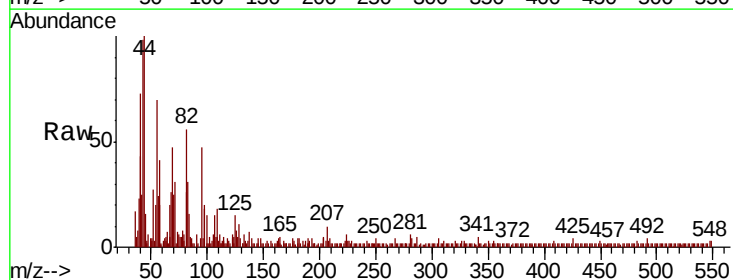
Instrument :  
BNA\_P  
ClientSampleId :

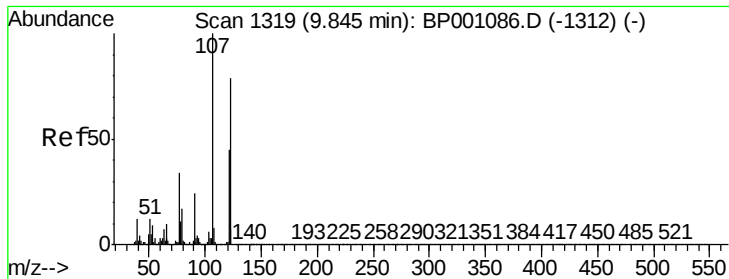
Tot Ion: 82 Resp: 2196  
Ion Ratio Lower Upper  
82 100  
95 5.5 5.7 8.5#  
138 6.4 11.3 16.9#



#26  
2-Nitrophenol  
Concen: 0.004 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

Tgt Ion: 139 Resp: 12  
Ion Ratio Lower Upper  
139 100  
109 470.6 30.6 45.8#  
65 188.2 51.8 77.8#

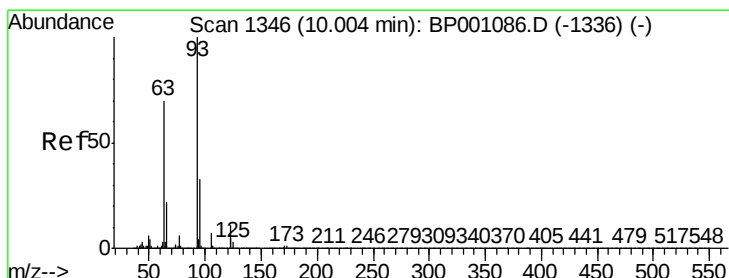
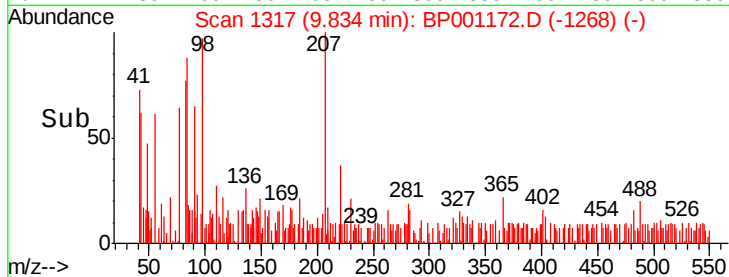
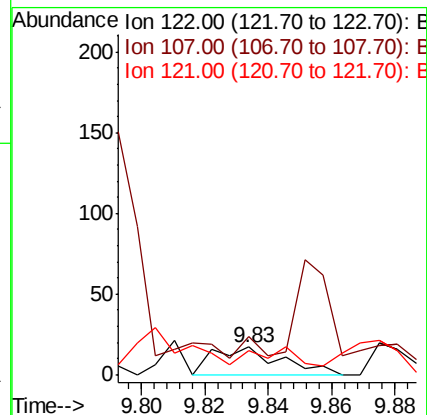
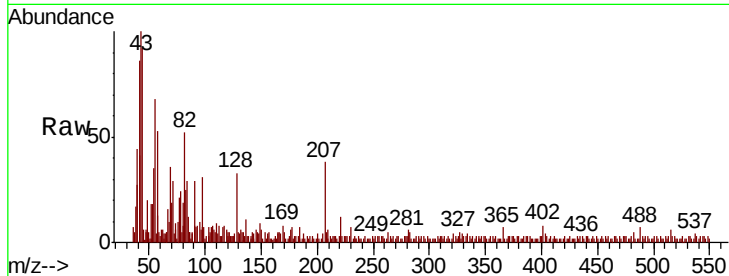




#27  
2,4-Dimethylphenol  
Concen: 0.005 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

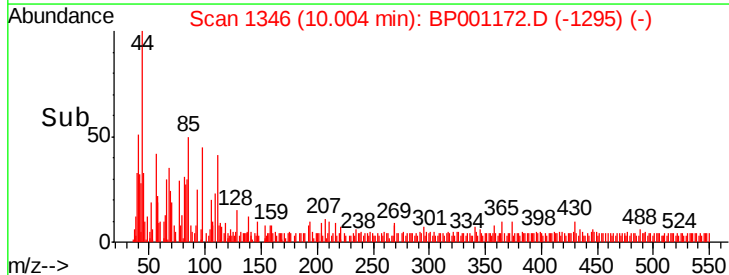
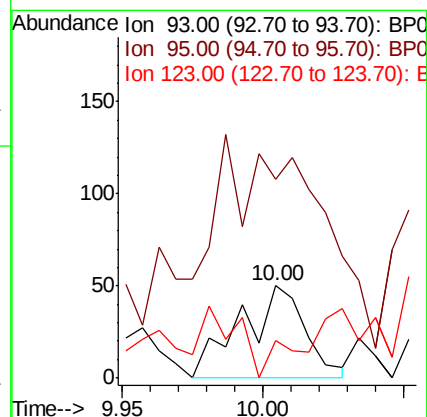
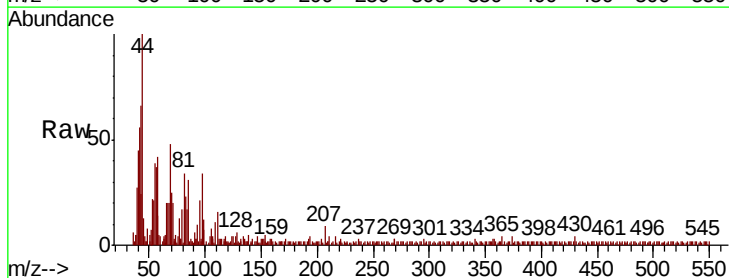
Instrument :  
BNA\_P  
ClientSampleId :

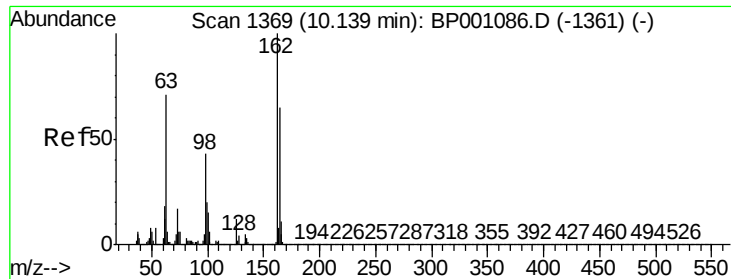
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 141.2 | 101.9 | 152.9 |
| 121     | 88.2  | 46.1  | 69.1# |



#28  
bis(2-Chloroethoxy)methane  
Concen: 0.008 ng  
RT: 10.00 min Scan# 1346  
Delta R.T. 0.00 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 216.0 | 26.0  | 39.0# |
| 123     | 40.0  | 8.9   | 13.3# |





#29

2,4-Dichlorophenol

Concen: 0.003 ng

RT: 10.13 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BP001172.D

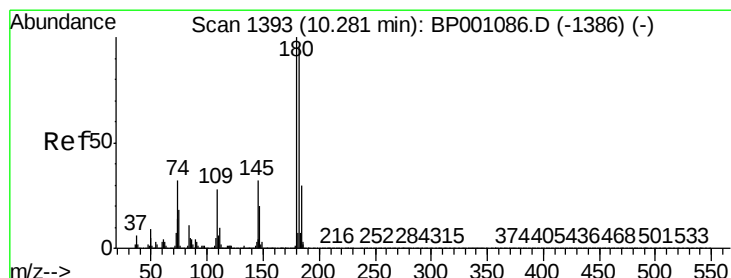
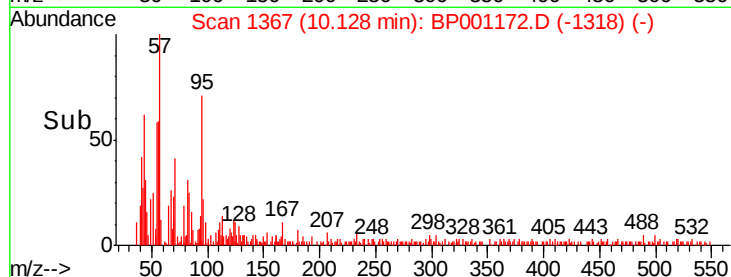
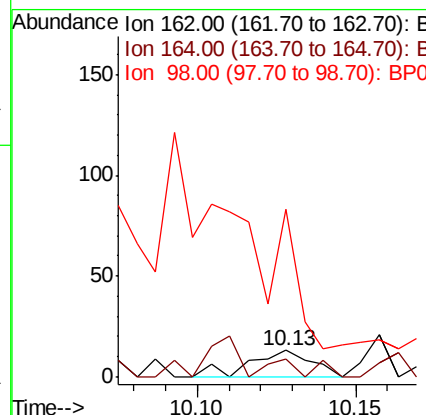
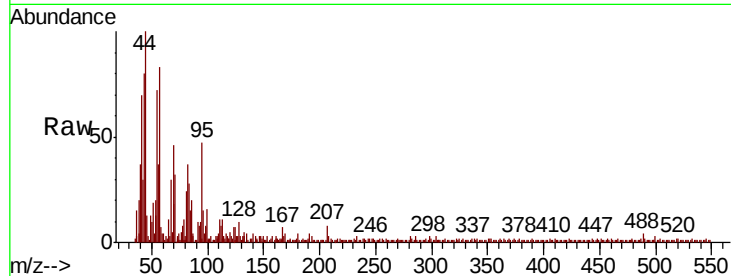
Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 162   | Resp: | 18    |
| Ion      | Ratio | Lower | Upper |
| 162      | 100   |       |       |
| 164      | 69.2  | 45.1  | 85.1  |
| 98       | 638.5 | 23.4  | 63.4# |



#30

1,2,4-Trichlorobenzene

Concen: 0.003 ng

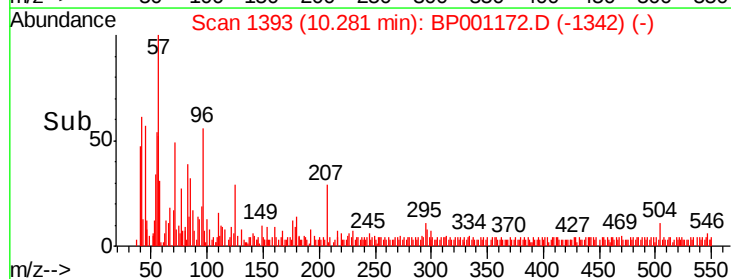
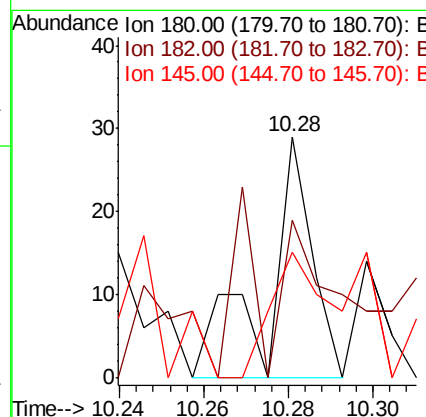
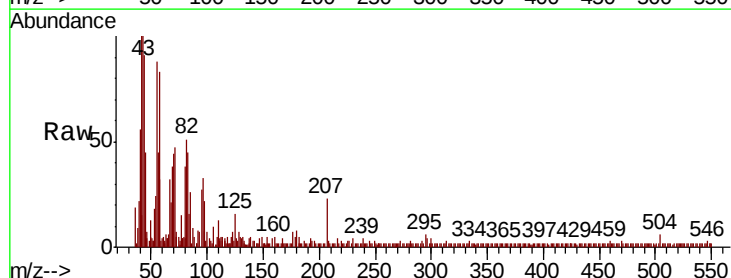
RT: 10.28 min Scan# 1393

Delta R.T. 0.00 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 22     |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 65.5  | 76.3  | 114.5# |
| 145      | 51.7  | 25.4  | 38.2#  |

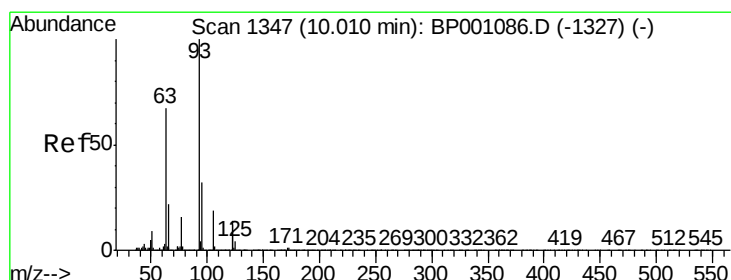
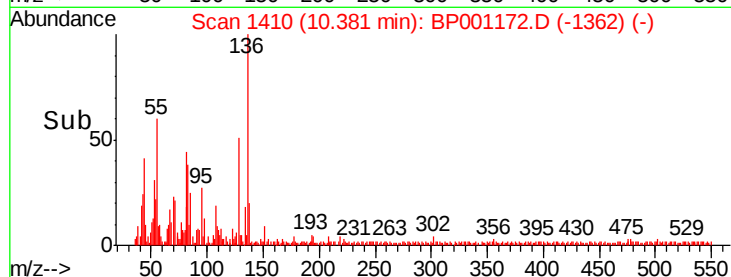
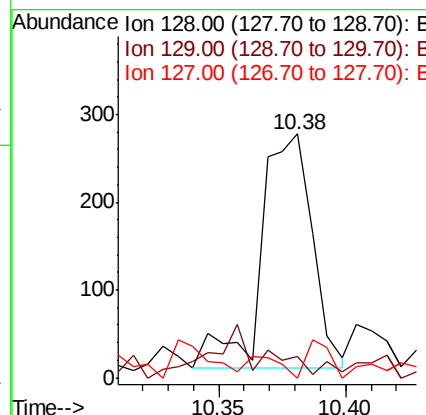
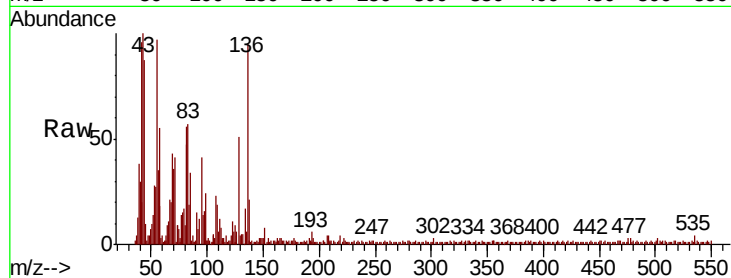




#31  
Naphthalene  
Concen: 0.018 ng  
RT: 10.38 min Scan# 1410  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

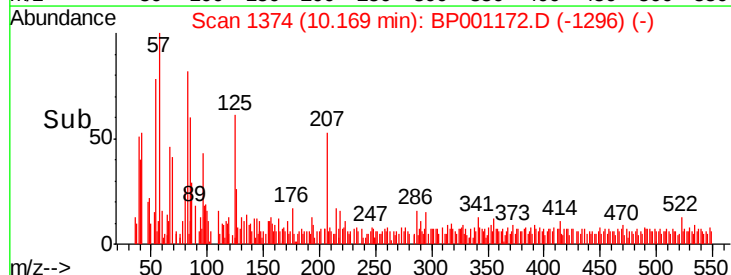
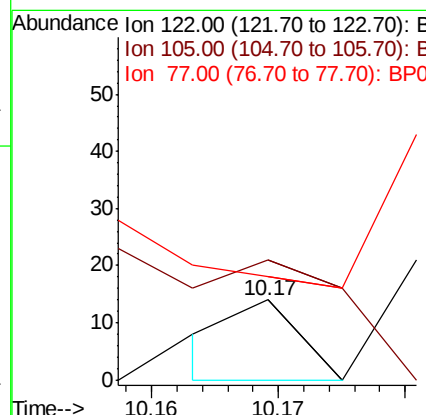
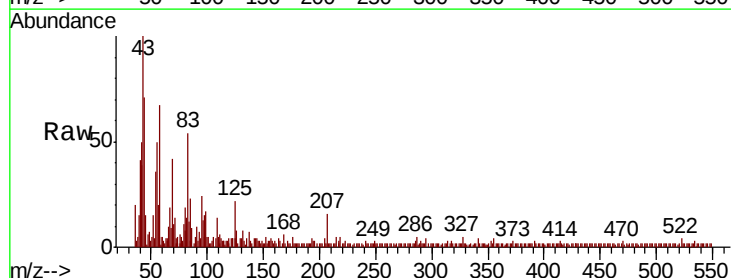
Instrument :  
BNA\_P  
ClientSampleId :

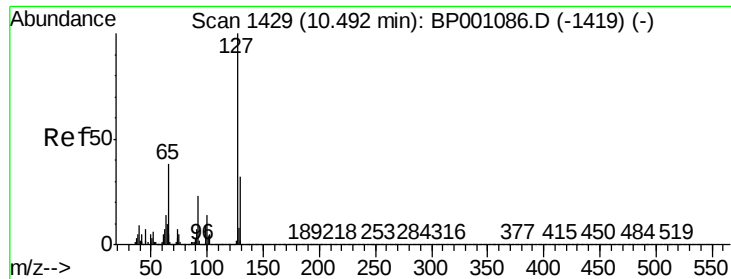
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 8.6   | 8.8   | 13.2# |
| 127     | 0.0   | 10.6  | 16.0# |



#32  
Benzoic acid  
Concen: 0.001 ng  
RT: 10.17 min Scan# 1374  
Delta R.T. 0.16 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 150.0 | 116.8 | 156.8 |
| 77      | 128.6 | 95.0  | 135.0 |

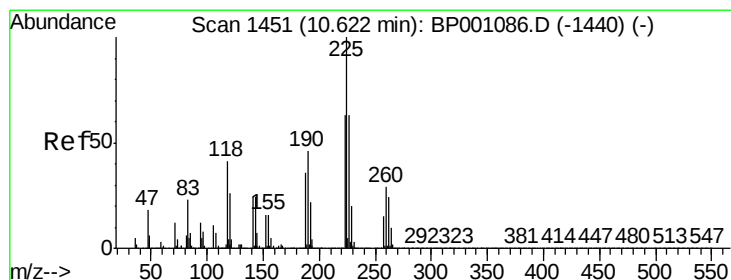
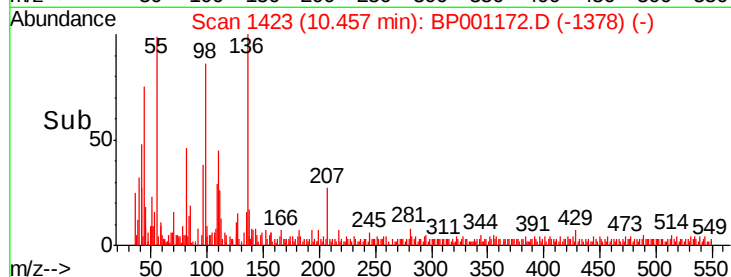
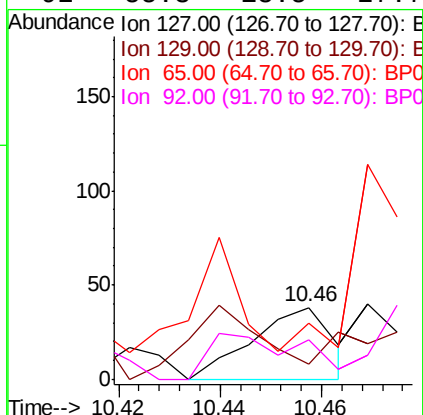
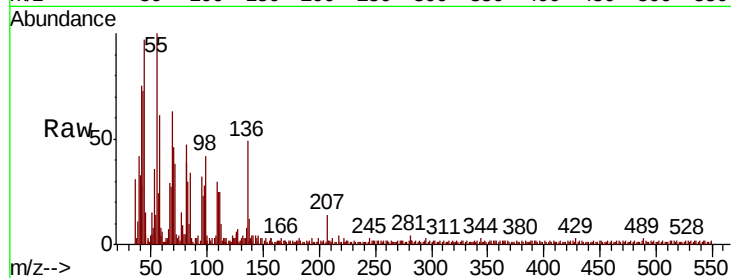




#33  
4-Chloroaniline  
Concen: 0.005 ng  
RT: 10.46 min Scan# 1423  
Delta R.T. -0.04 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

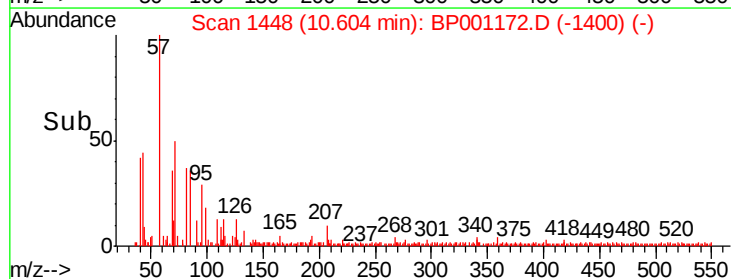
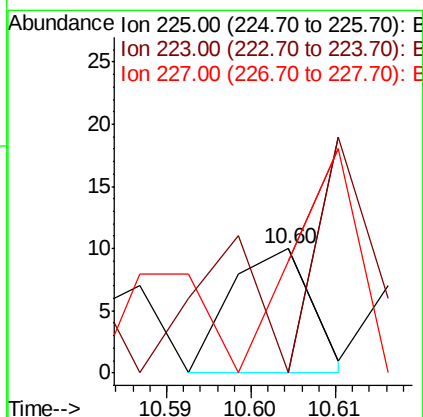
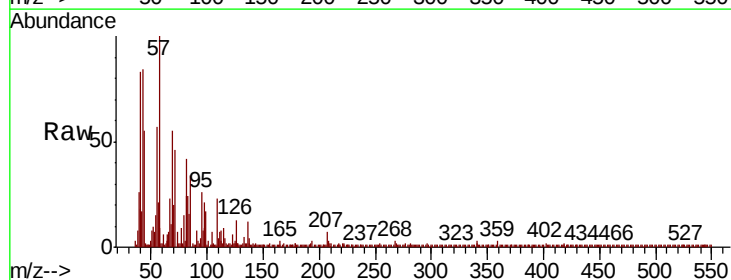
Instrument :  
BNA\_P  
ClientSampleId :

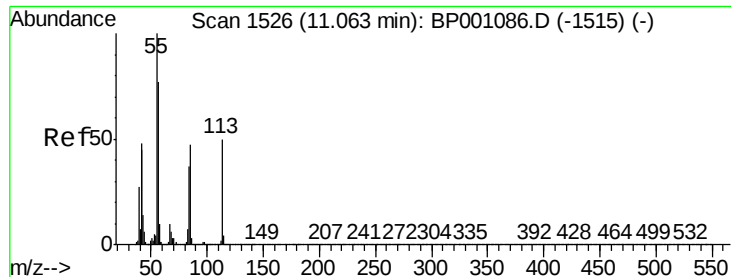
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 41    |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 21.1  | 25.5  | 38.3# |
| 65       | 78.9  | 30.6  | 46.0# |
| 92       | 55.3  | 18.5  | 27.7# |



#34  
Hexachlorobutadiene  
Concen: 0.002 ng  
RT: 10.60 min Scan# 1448  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 7     |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 0.0   | 50.0  | 75.0# |
| 227      | 90.0  | 50.0  | 75.0# |





#35

Caprolactam

Concen: 0.016 ng

RT: 11.00 min Scan# 1516

Delta R.T. -0.06 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

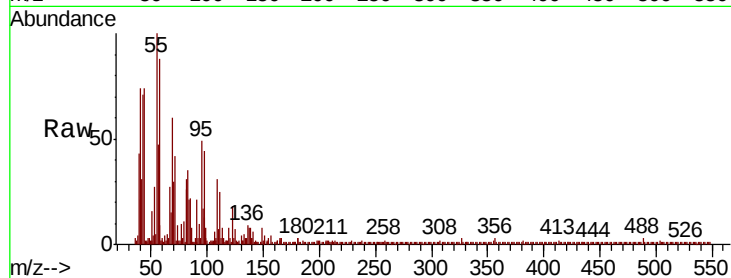
Tot Ion:113 Resp: 34

Ion Ratio Lower Upper

113 100

55 1288.5 181.2 221.2#

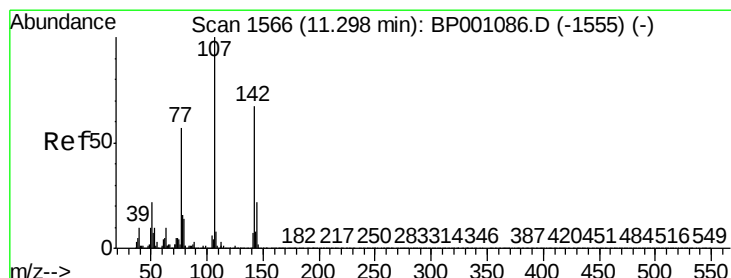
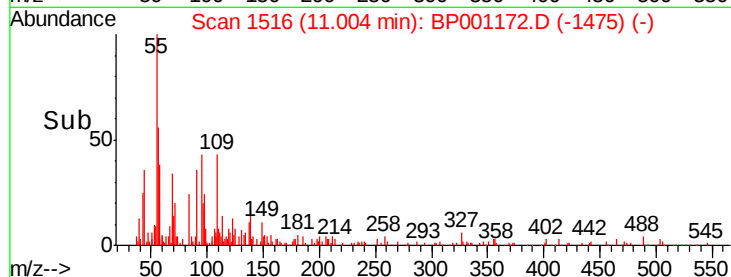
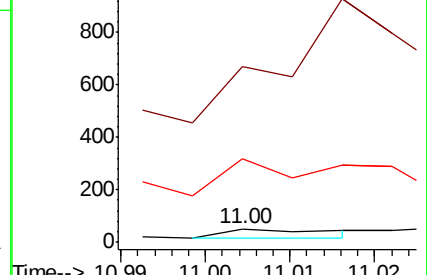
56 611.5 134.7 174.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BP0

Ion 56.00 (55.70 to 56.70): BP0



#36

4-Chloro-3-methylphenol

Concen: 0.006 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

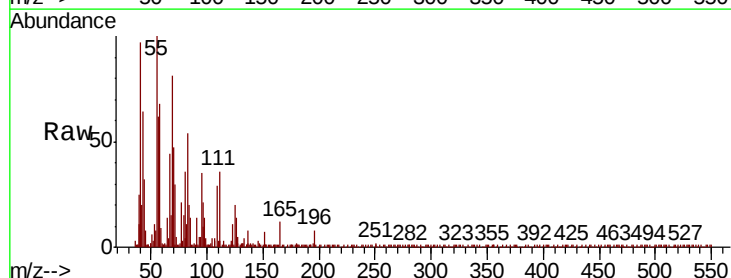
Tgt Ion:107 Resp: 47

Ion Ratio Lower Upper

107 100

144 8.1 17.5 26.3#

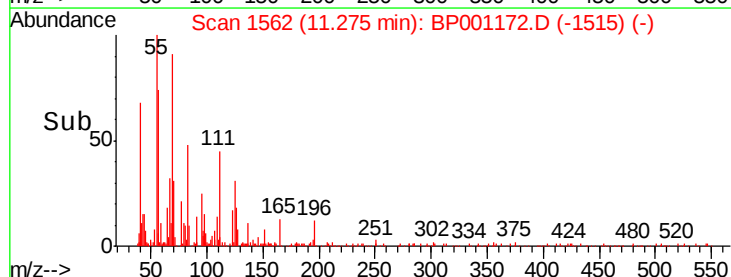
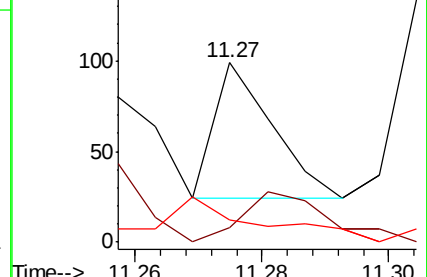
142 17.2 53.3 79.9#

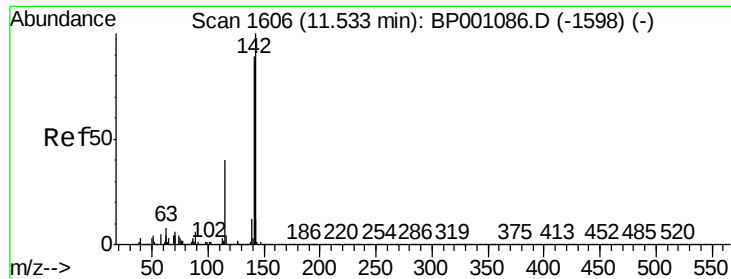


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

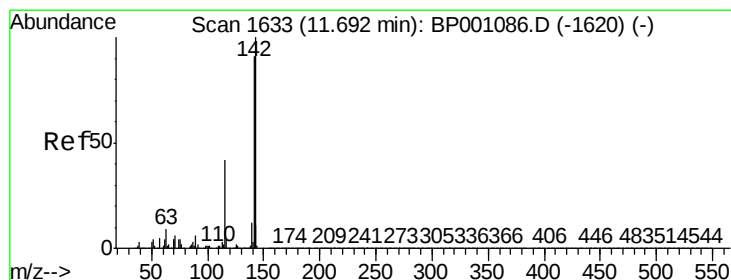
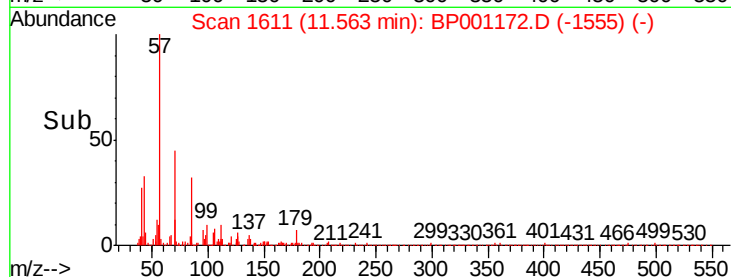
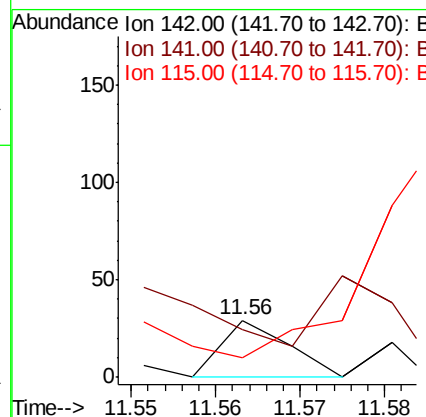
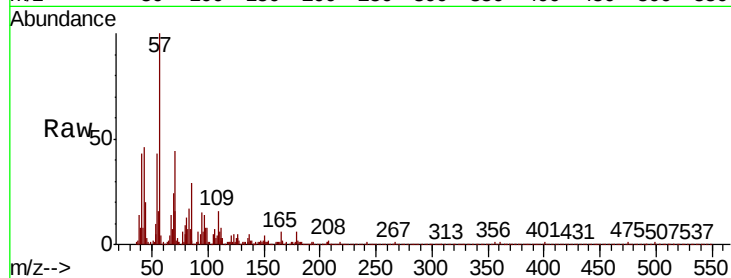




#37  
2-Methylnaphthalene  
Concen: 0.001 ng  
RT: 11.56 min Scan# 1611  
Delta R.T. 0.03 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

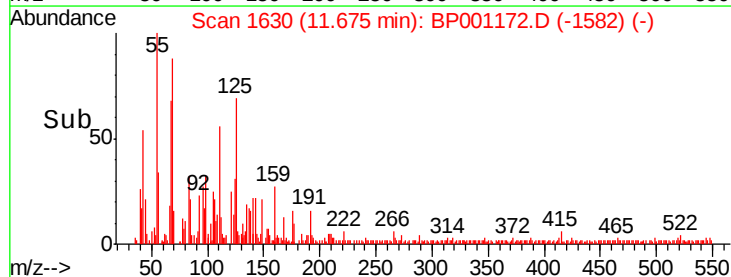
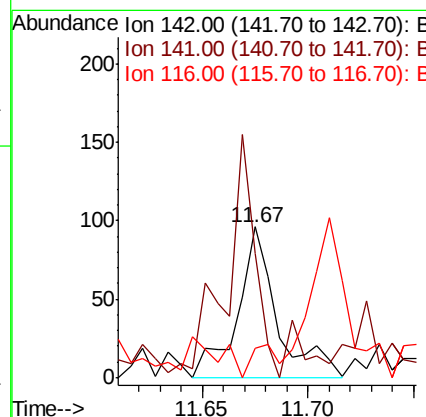
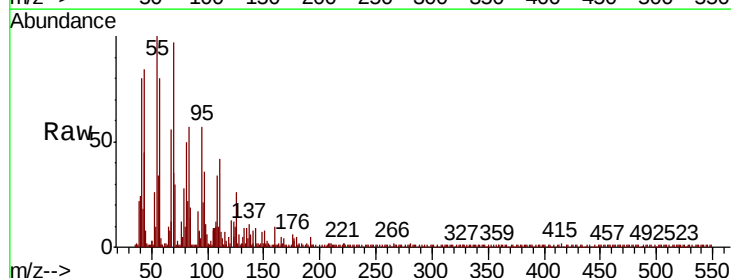
Instrument :  
BNA\_P  
ClientSampleId :

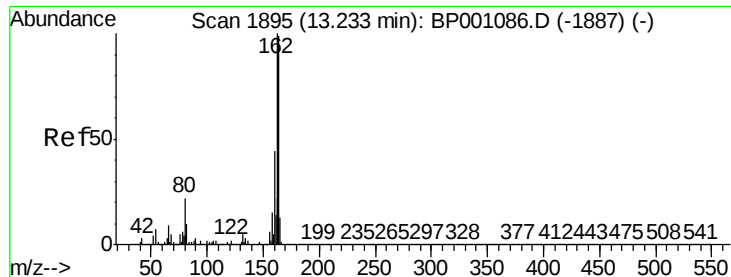
Tot Ion:142 Resp: 16  
Ion Ratio Lower Upper  
142 100  
141 82.8 71.1 106.7  
115 34.5 32.3 48.5



#38  
1-Methylnaphthalene  
Concen: 0.009 ng  
RT: 11.67 min Scan# 1630  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

Tgt Ion:142 Resp: 124  
Ion Ratio Lower Upper  
142 100  
141 82.3 73.0 109.4  
116 19.8 3.4 5.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.21 min Scan# 1891

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

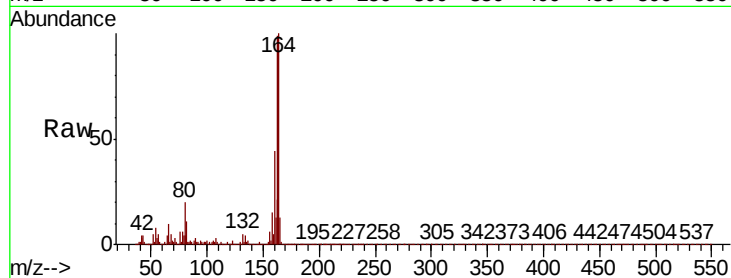
Tot Ion:164 Resp: 223355

Ion Ratio Lower Upper

164 100

162 99.4 80.6 120.8

160 44.1 35.4 53.2

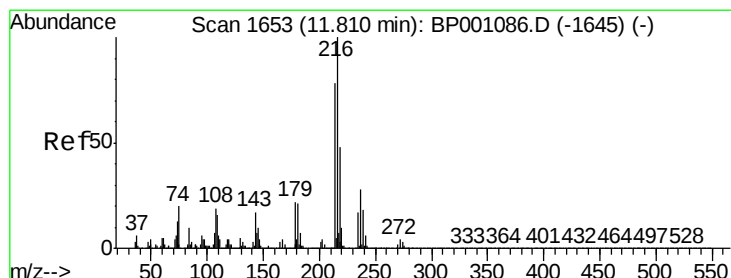
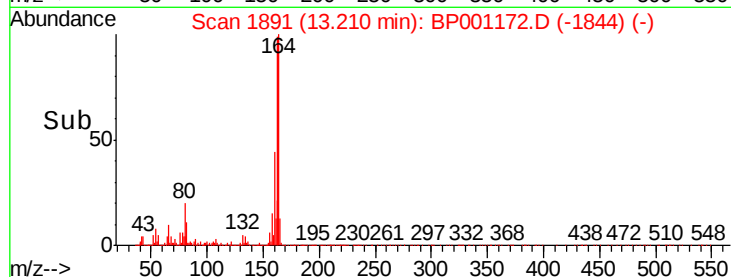
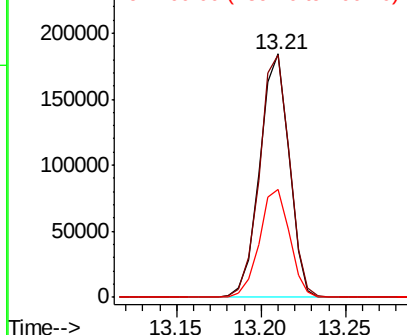


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 0.001 ng

RT: 11.79 min Scan# 1649

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Tgt Ion:216 Resp: 5

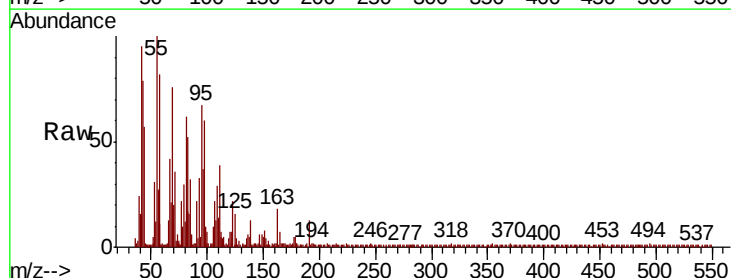
Ion Ratio Lower Upper

216 100

214 80.0 62.8 94.2

179 1120.0 17.6 26.4#

108 2900.0 17.7 26.5#



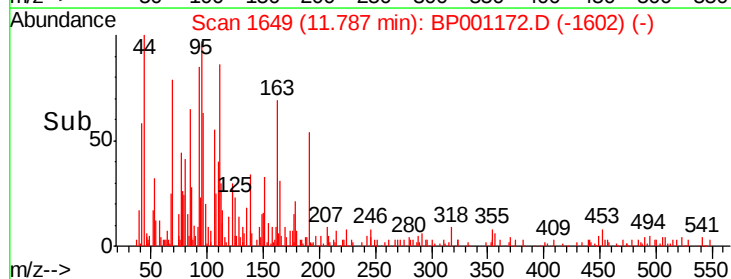
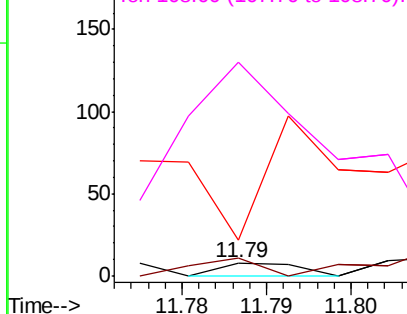
Abundance

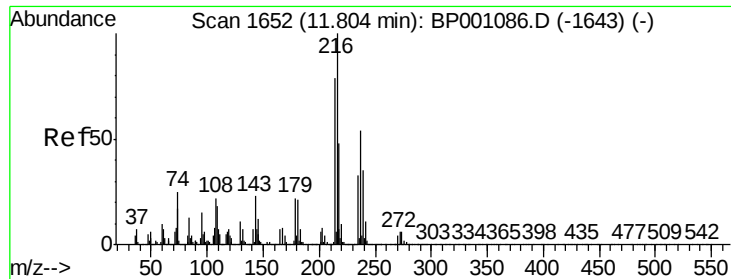
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

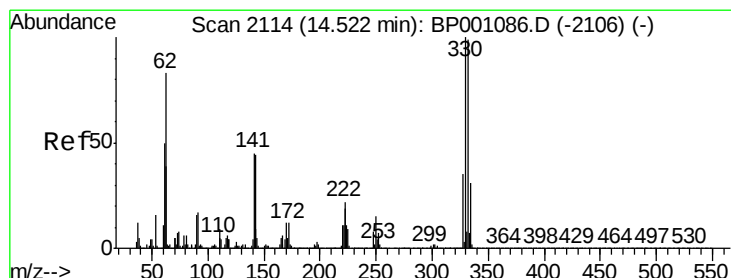
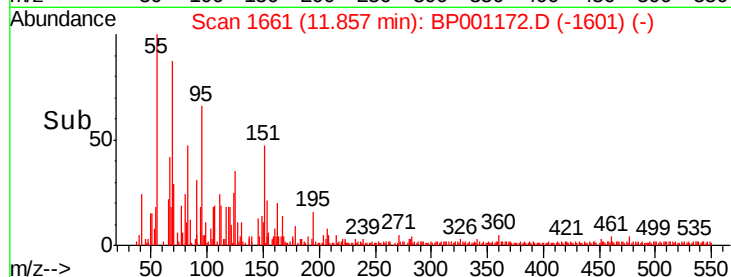
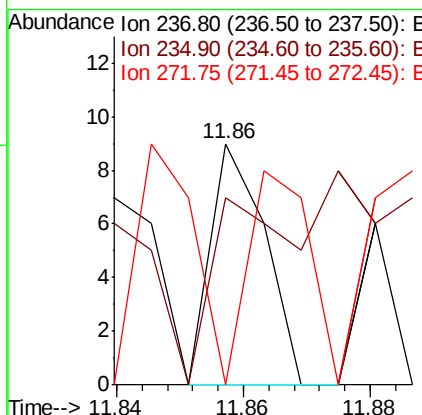
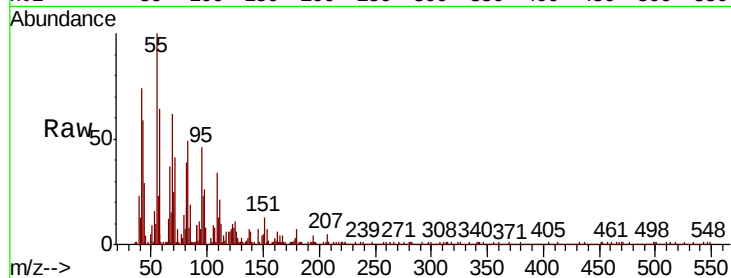




#41  
Hexachlorocyclopentadiene  
Concen: 0.002 ng  
RT: 11.86 min Scan# 1661  
Delta R.T. 0.05 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

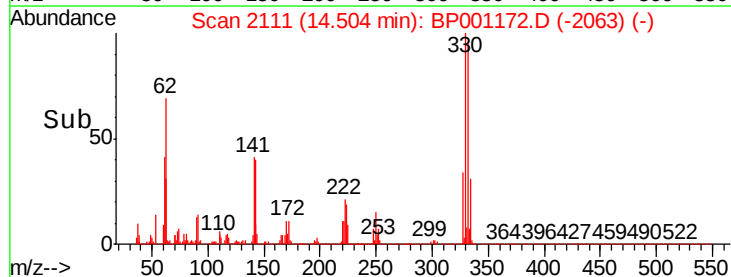
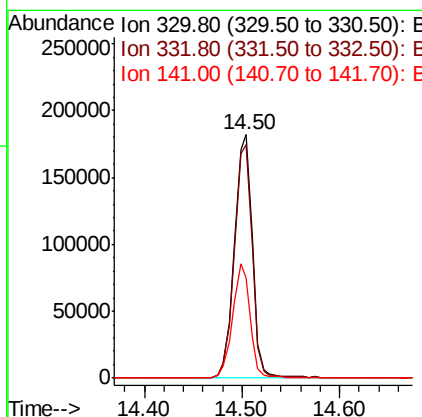
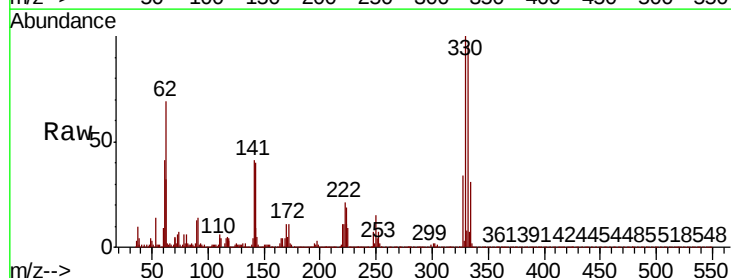
Instrument :  
BNA\_P  
ClientSampled :

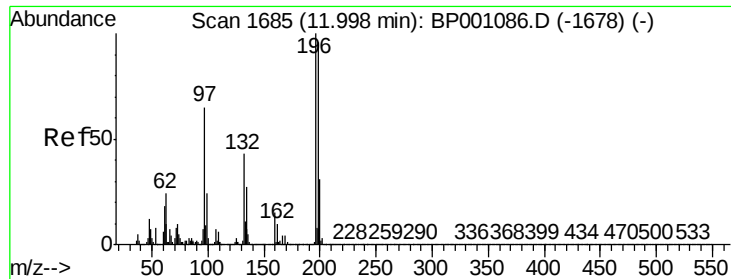
Tot Ion: 237 Resp: 5  
Ion Ratio Lower Upper  
237 100  
235 77.8 41.8 81.8  
272 0.0 0.0 31.9



#42  
2,4,6-Tribromophenol  
Concen: 108.949 ng  
RT: 14.50 min Scan# 2111  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

Tgt Ion: 330 Resp: 233245  
Ion Ratio Lower Upper  
330 100  
332 95.6 77.6 116.4  
141 45.1 34.2 51.2

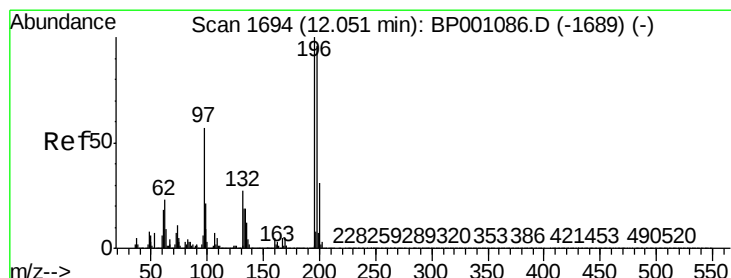
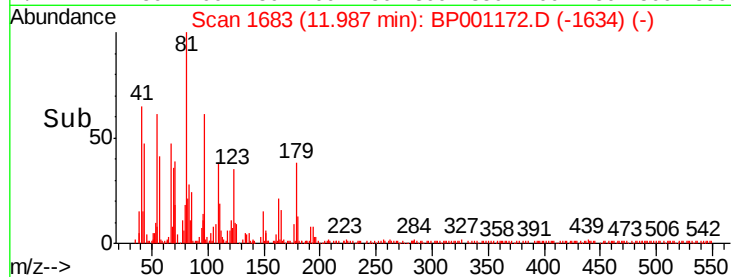
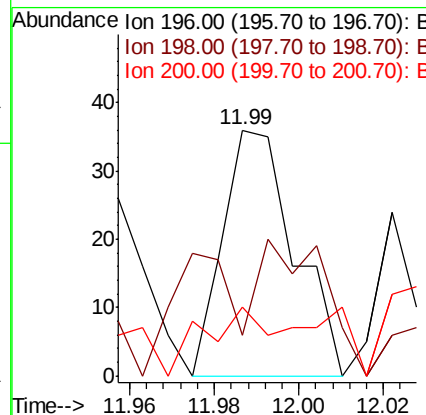
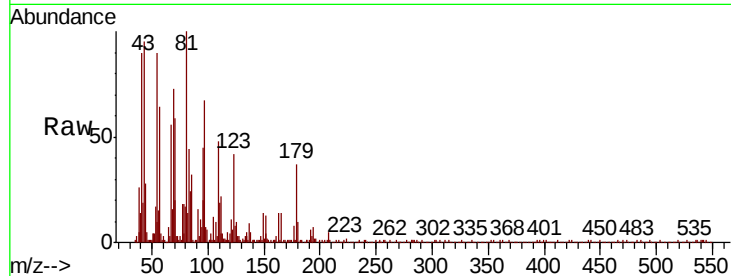




#43  
2,4,6-Trichlorophenol  
Concen: 0.009 ng  
RT: 11.99 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

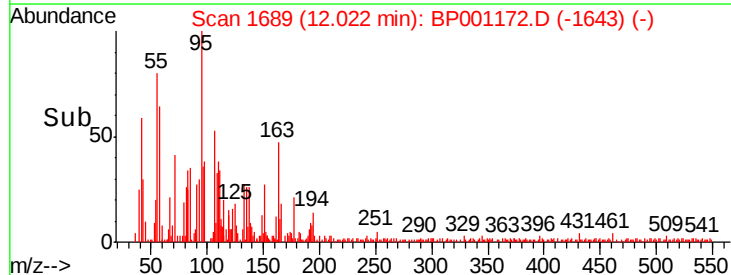
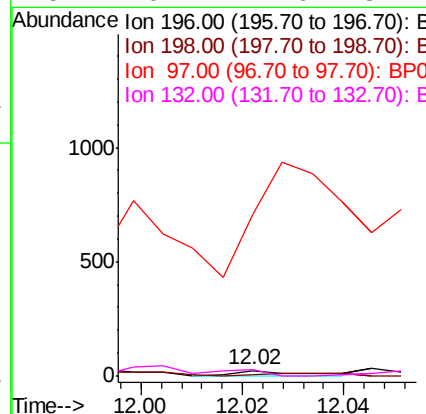
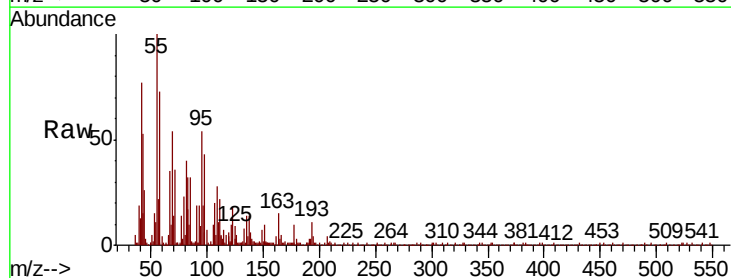
Instrument :  
BNA\_P  
ClientSampled :

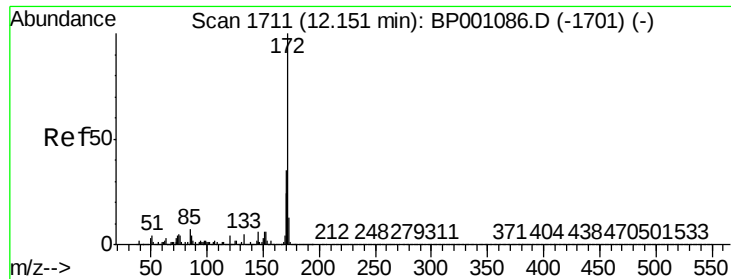
Tot Ion:196 Resp: 42  
Ion Ratio Lower Upper  
196 100  
198 16.7 76.7 115.1#  
200 27.8 24.7 37.1



#44  
2,4,5-Trichlorophenol  
Concen: 0.005 ng  
RT: 12.02 min Scan# 1689  
Delta R.T. -0.03 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

Tgt Ion:196 Resp: 22  
Ion Ratio Lower Upper  
196 100  
198 25.0 76.8 115.2#  
97 2937.5 46.1 69.1#  
132 116.7 21.6 32.4#

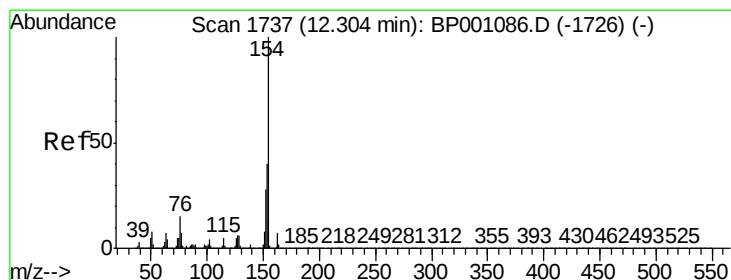
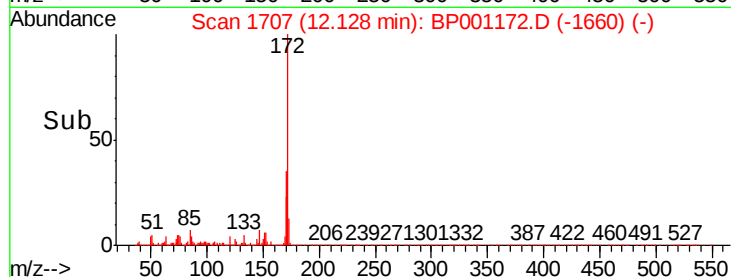
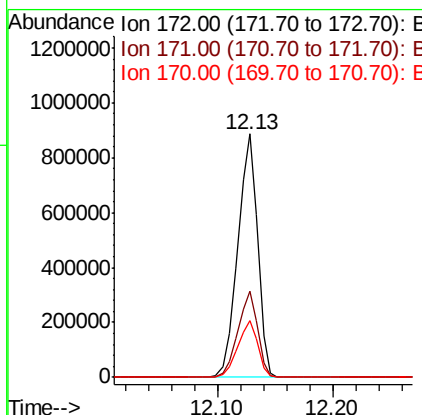
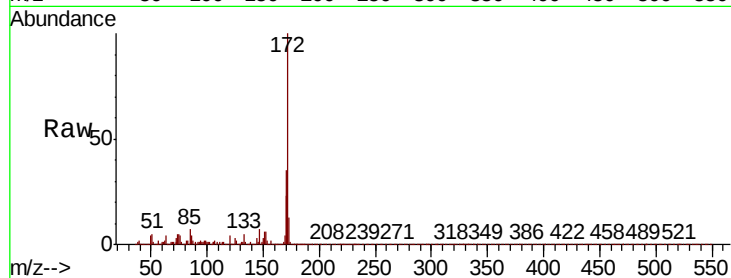




#45  
2-Fluorobiphenyl  
Concen: 68.949 ng  
RT: 12.13 min Scan# 1707  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

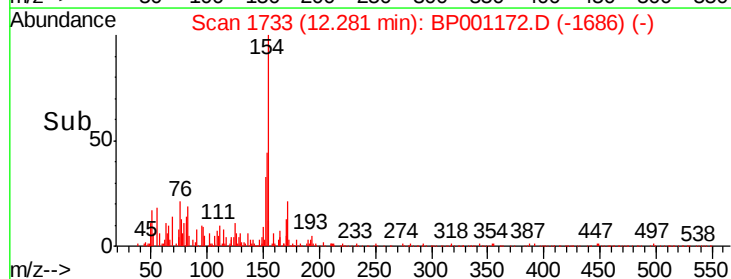
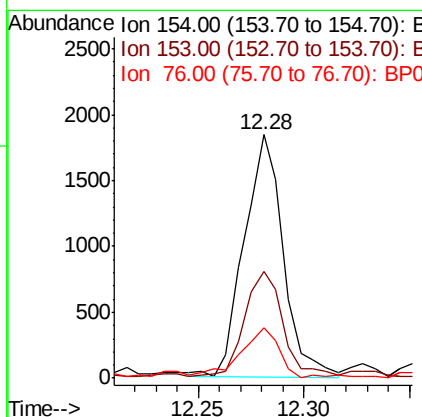
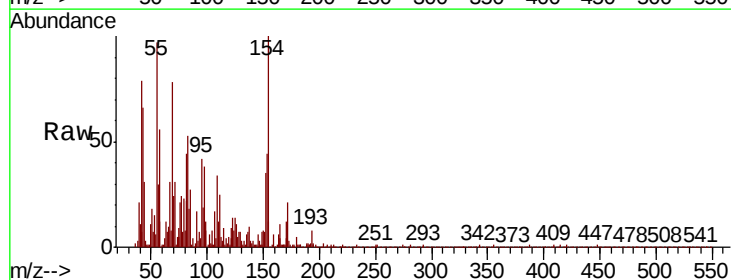
Instrument :  
BNA\_P  
ClientSampleId :

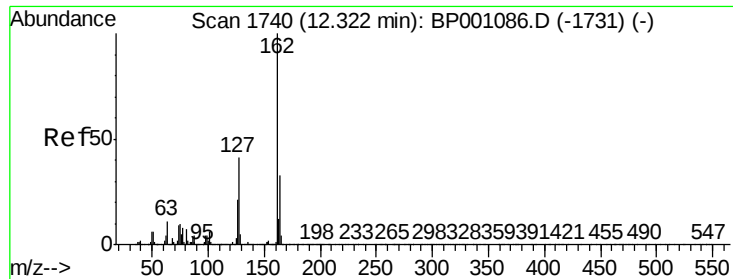
Tot Ion:172 Resp: 1052222  
Ion Ratio Lower Upper  
172 100  
171 35.3 27.9 41.9  
170 23.3 19.0 28.4



#46  
1,1'-Biphenyl  
Concen: 0.137 ng  
RT: 12.28 min Scan# 1733  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

Tgt Ion:154 Resp: 2369  
Ion Ratio Lower Upper  
154 100  
153 44.0 20.2 60.2  
76 20.8 0.0 34.5

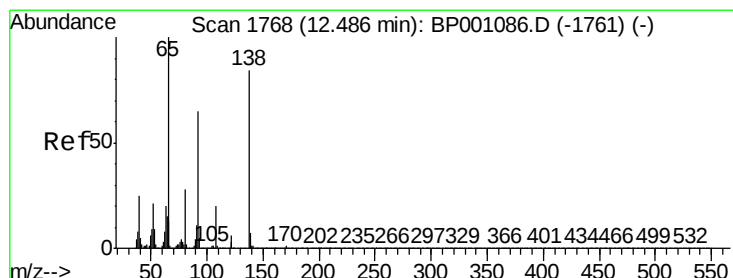
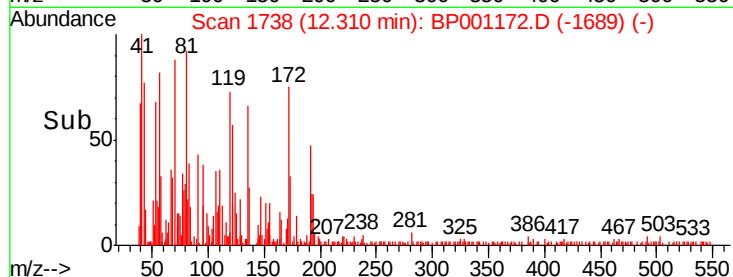
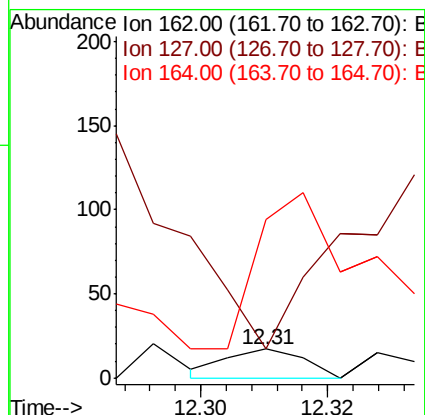
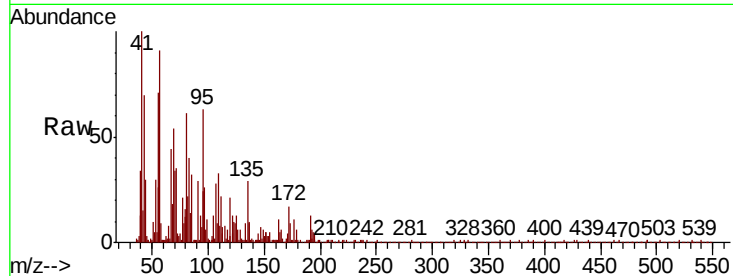




#47  
2-Chloronaphthalene  
Concen: 0.001 ng  
RT: 12.31 min Scan# 1738  
Delta R.T. -0.01 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

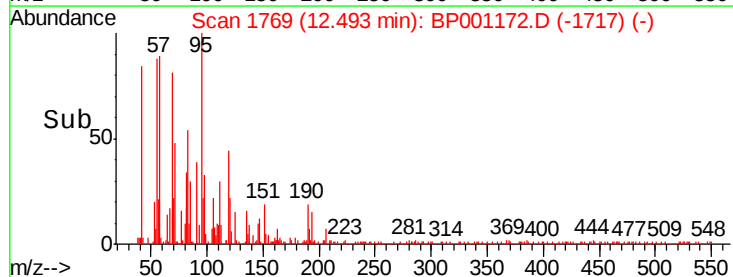
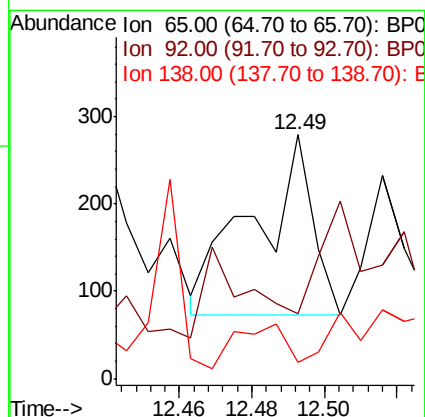
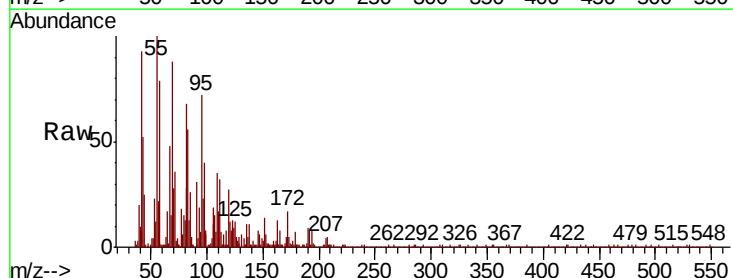
Instrument :  
BNA\_P  
ClientSampleId :

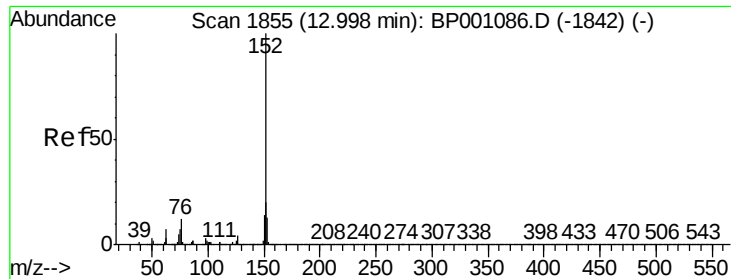
Tot Ion: 162 Resp: 14  
Ion Ratio Lower Upper  
162 100  
127 100.0 33.0 49.6#  
164 552.9 26.7 40.1#



#48  
2-Nitroaniline  
Concen: 0.043 ng  
RT: 12.49 min Scan# 1769  
Delta R.T. 0.01 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

Tgt Ion: 65 Resp: 233  
Ion Ratio Lower Upper  
65 100  
92 26.5 51.6 77.4#  
138 6.8 67.3 100.9#





#49

Acenaphthylene

Concen: 0.019 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampled :

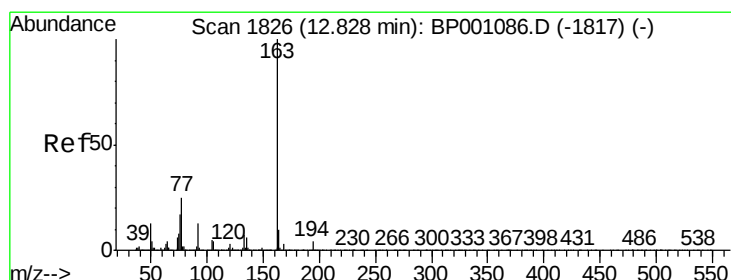
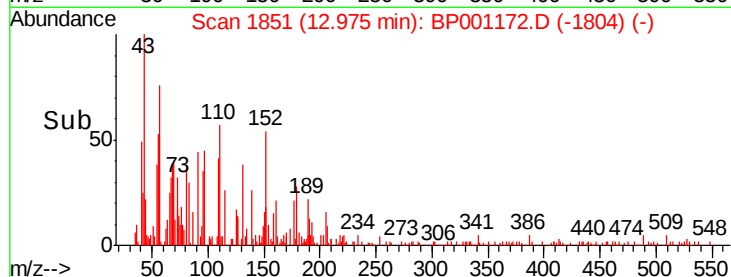
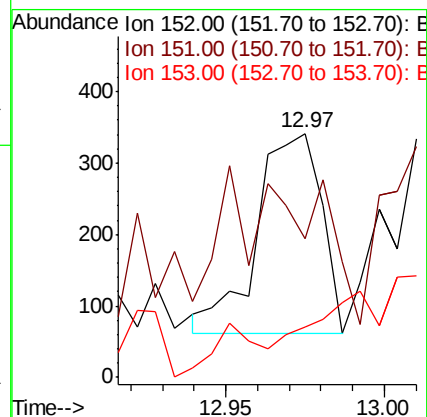
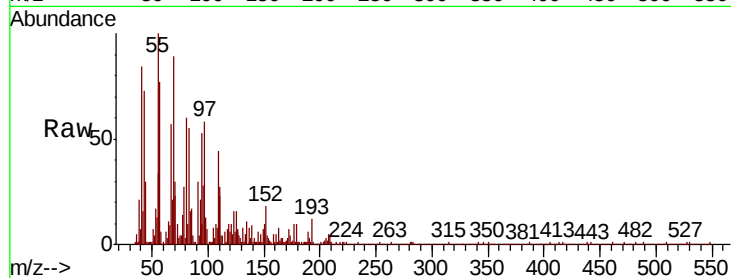
Tot Ion:152 Resp: 396

Ion Ratio Lower Upper

152 100

151 57.2 15.8 23.8#

153 20.5 10.2 15.4#



#50

Dimethylphthalate

Concen: 8.985 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.04 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

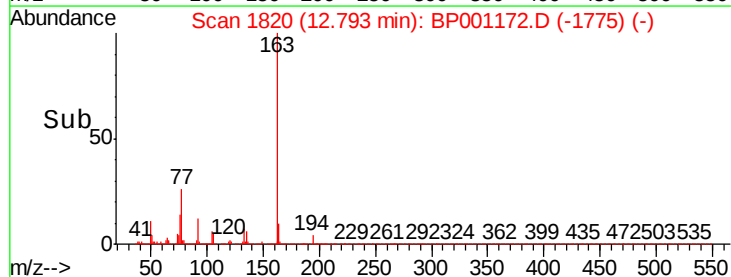
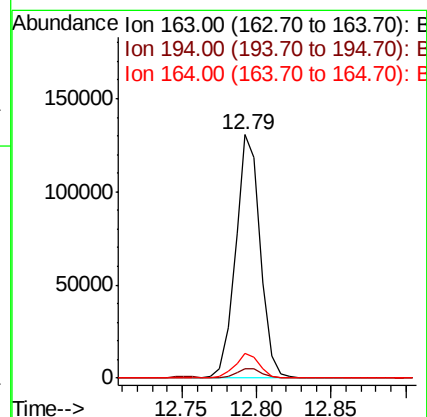
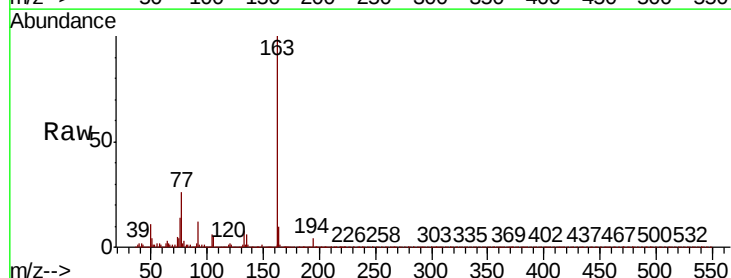
Tgt Ion:163 Resp: 150099

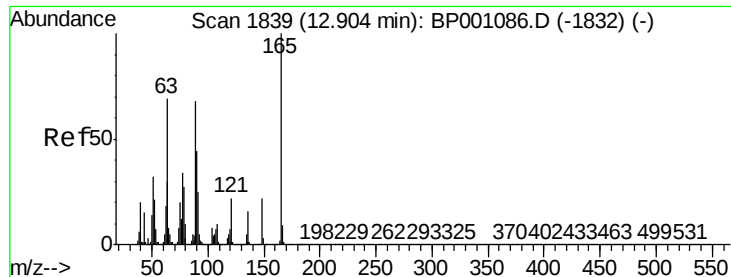
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.1 8.1 12.1

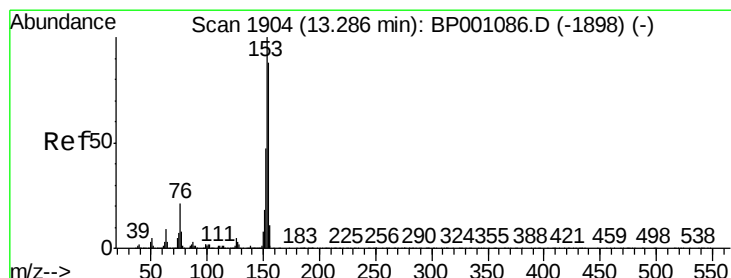
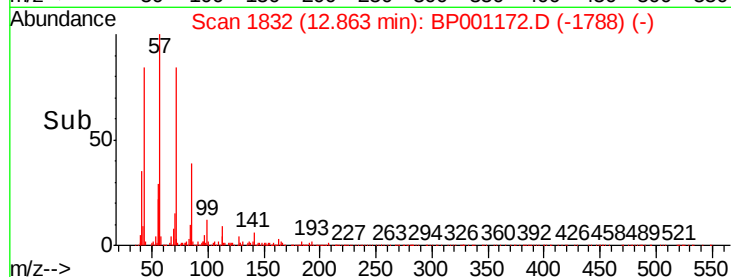
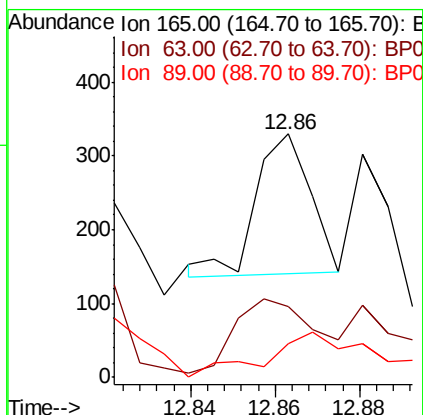
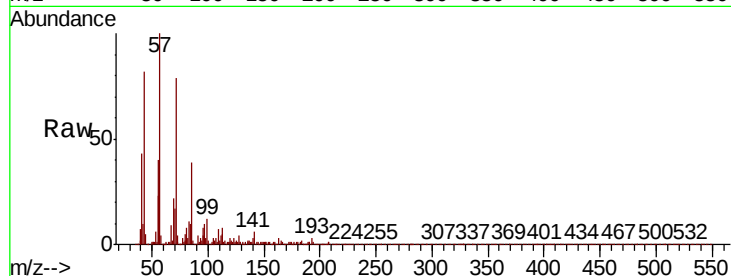




#51  
2,6-Dinitrotoluene  
Concen: 0.048 ng  
RT: 12.86 min Scan# 1832  
Delta R.T. -0.04 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

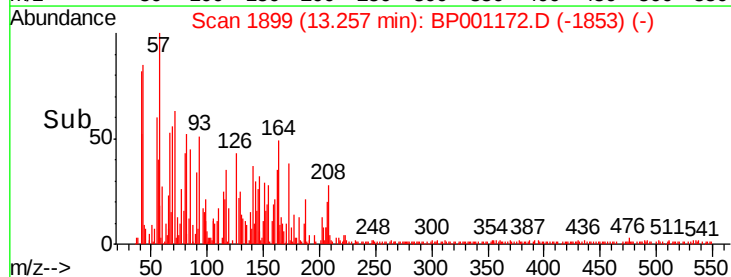
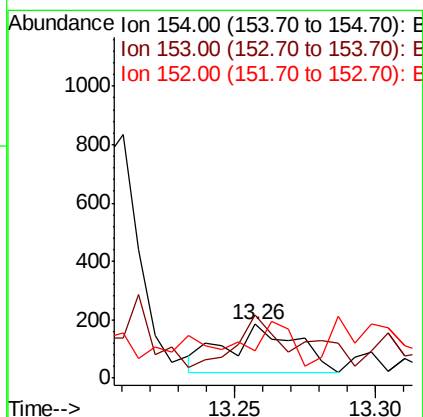
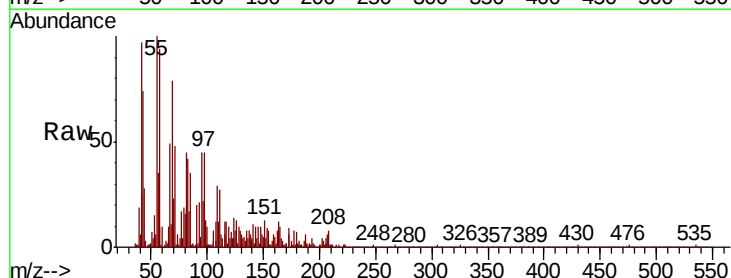
Instrument :  
BNA\_P  
ClientSampleId :

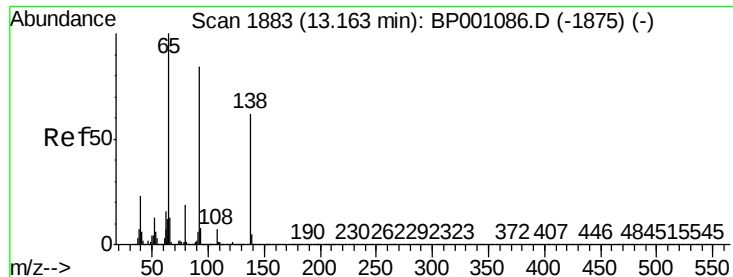
Tot Ion:165 Resp: 170  
Ion Ratio Lower Upper  
165 100  
63 29.1 55.6 83.4#  
89 17.9 54.1 81.1#



#52  
Acenaphthene  
Concen: 0.023 ng  
RT: 13.26 min Scan# 1899  
Delta R.T. -0.03 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

Tgt Ion:154 Resp: 283  
Ion Ratio Lower Upper  
154 100  
153 117.3 90.5 135.7  
152 51.4 42.6 64.0





#53

3-Nitroaniline

Concen: 0.114 ng

RT: 13.15 min Scan# 1880

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

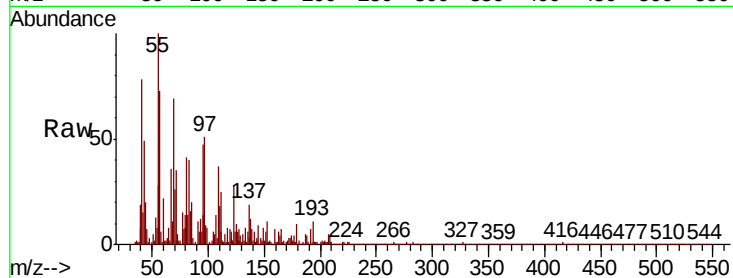
Tot Ion:138 Resp: 458

Ion Ratio Lower Upper

138 100

108 27.0 9.2 13.8#

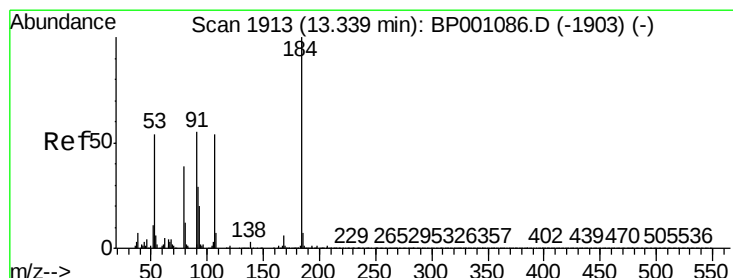
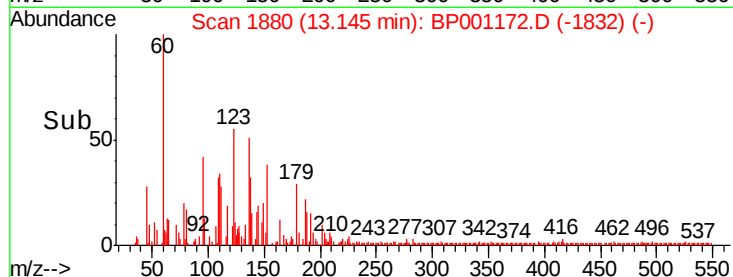
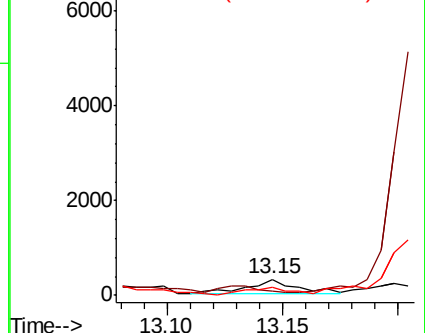
92 48.7 107.8 161.6#



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: 7.115 ng

RT: 13.30 min Scan# 1907

Delta R.T. -0.03 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

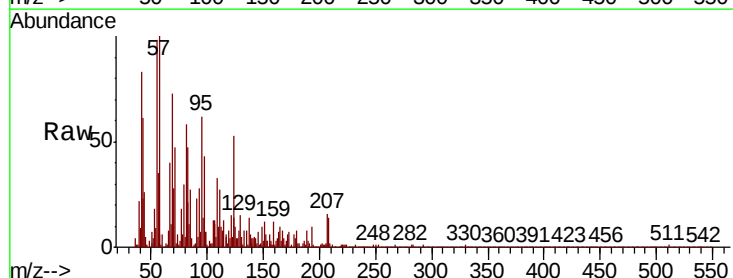
Tgt Ion:184 Resp: 10

Ion Ratio Lower Upper

184 100

63 625.0 60.7 91.1#

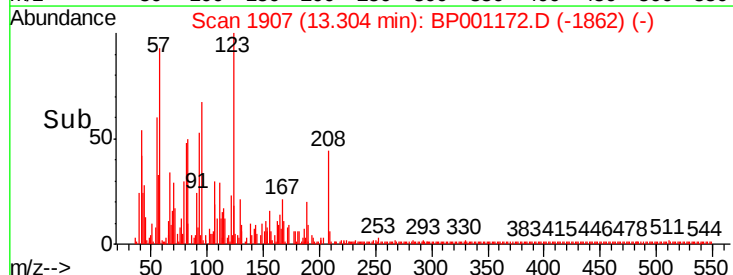
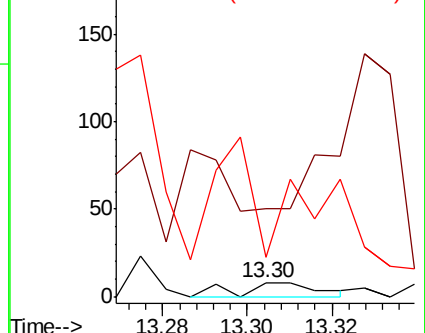
154 275.0 56.2 84.2#

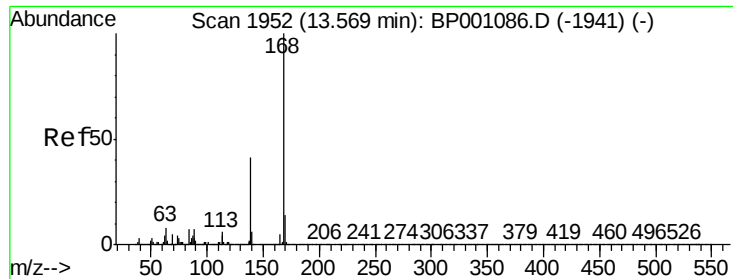


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 0.007 ng

RT: 13.55 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BP001172.D

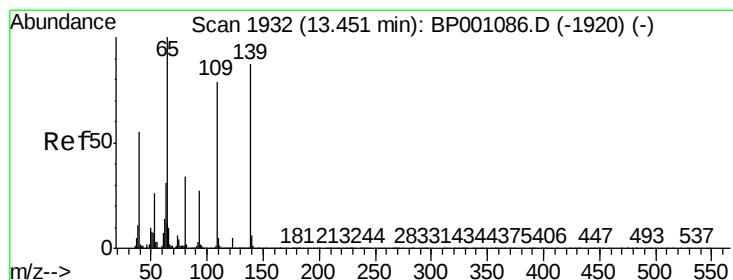
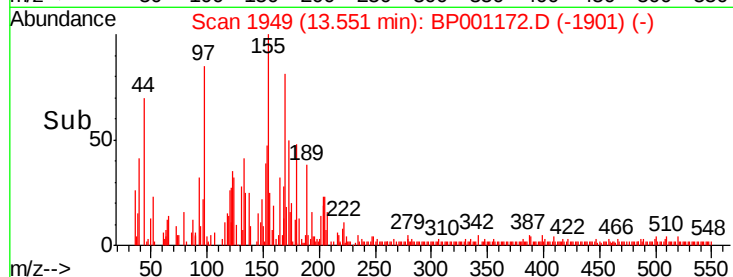
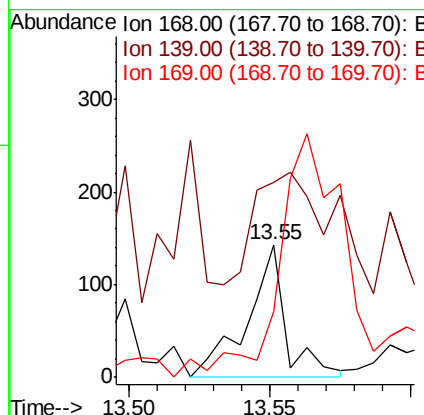
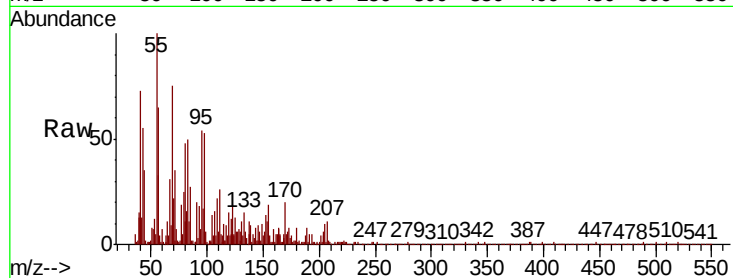
Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampled :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:168 | Resp: | 136        |
| Ion Ratio   | Lower | Upper      |
| 168         | 100   |            |
| 139         | 146.9 | 32.8 49.2# |
| 169         | 49.7  | 10.9 16.3# |



#56

4-Nitrophenol

Concen: 0.040 ng

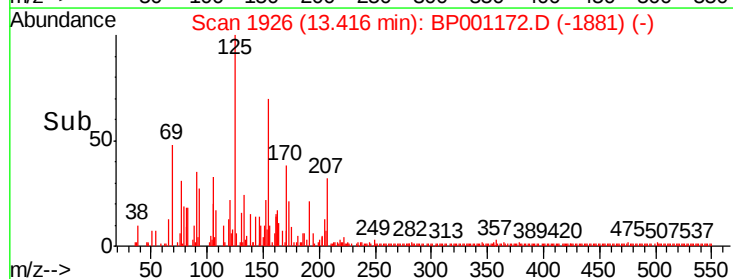
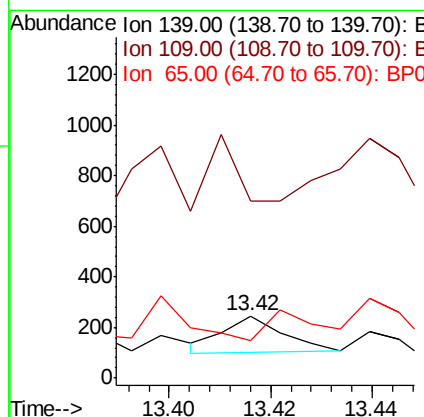
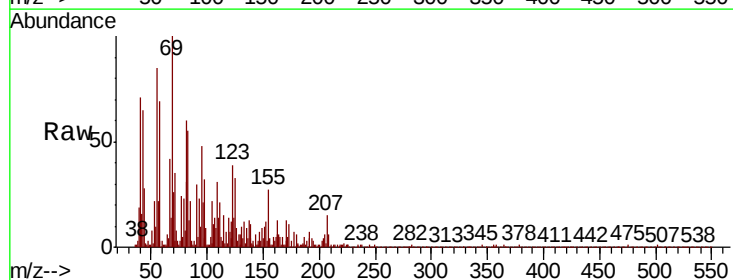
RT: 13.42 min Scan# 1926

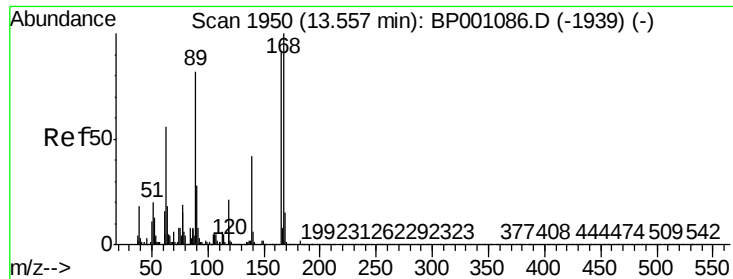
Delta R.T. -0.04 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:139 | Resp: | 115         |
| Ion Ratio   | Lower | Upper       |
| 139         | 100   |             |
| 109         | 286.5 | 70.9 110.9# |
| 65          | 60.0  | 95.2 135.2# |

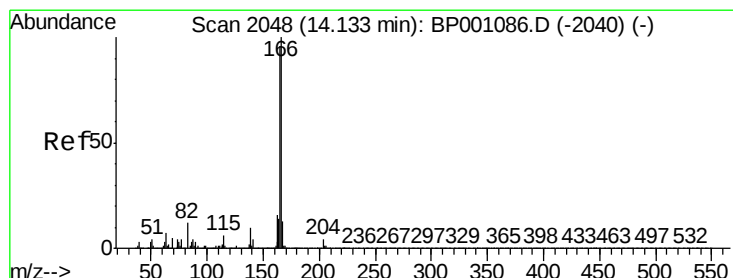
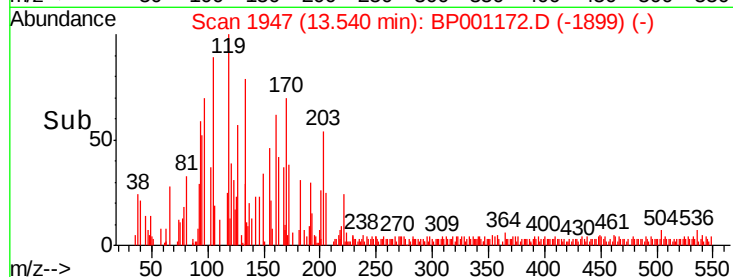
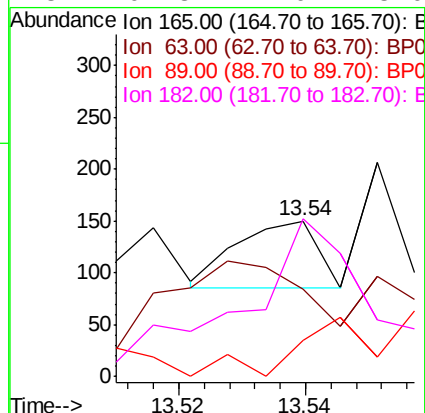
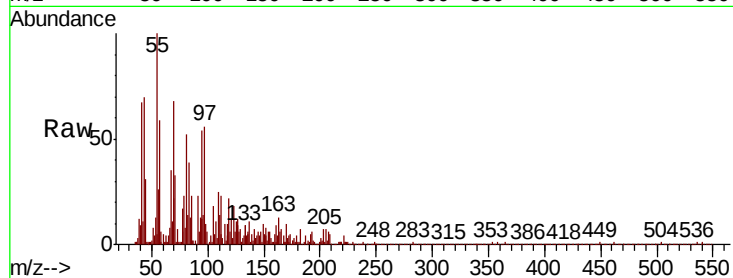




#57  
2,4-Dinitrotoluene  
Concen: 0.013 ng  
RT: 13.54 min Scan# 1947  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

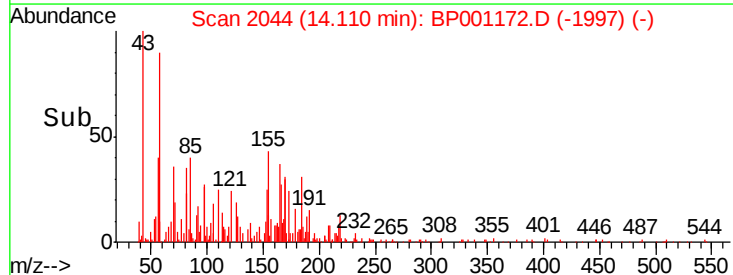
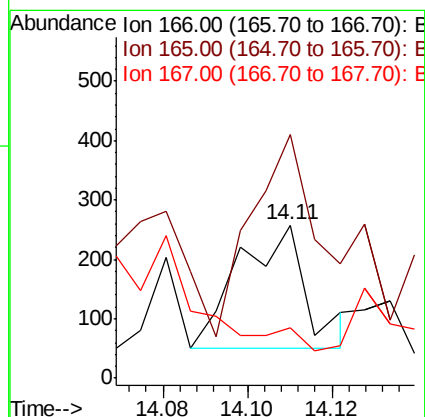
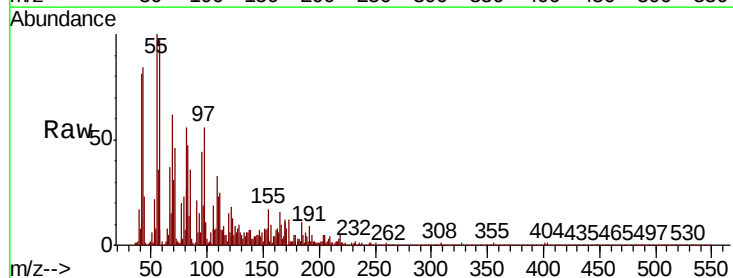
Instrument :  
BNA\_P  
ClientSampled :

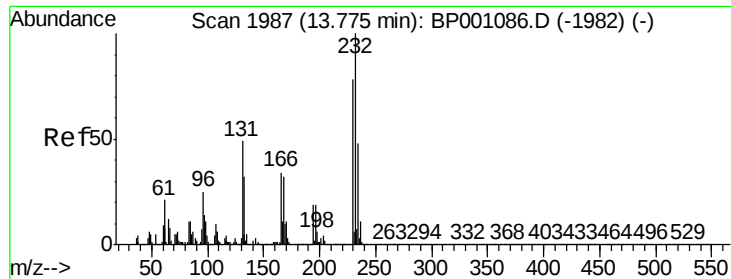
Tot Ion:165 Resp: 57  
Ion Ratio Lower Upper  
165 100  
63 56.0 49.4 74.2  
89 23.3 72.1 108.1#  
182 101.3 2.0 3.0#



#58  
Fluorene  
Concen: 0.016 ng  
RT: 14.11 min Scan# 2044  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

Tgt Ion:166 Resp: 234  
Ion Ratio Lower Upper  
166 100  
165 158.9 76.7 115.1#  
167 32.9 10.5 15.7#





#59

2,3,4,6-Tetrachlorophenol

Concen: 0.005 ng

RT: 13.75 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BP001172.D

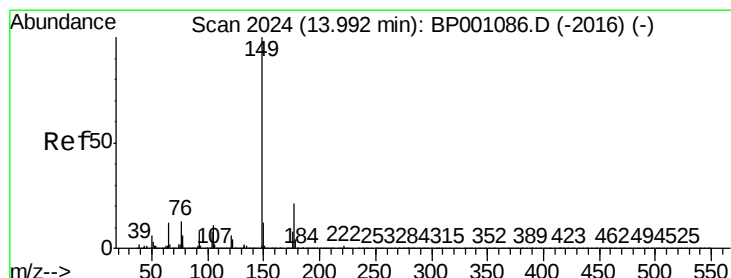
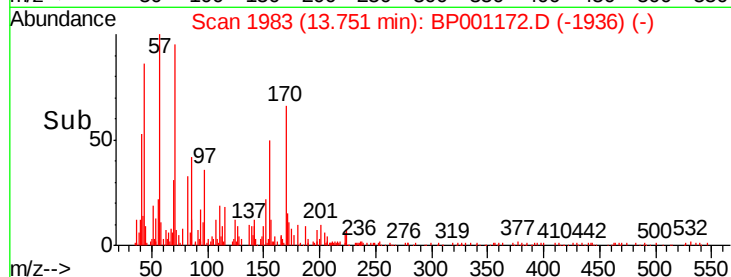
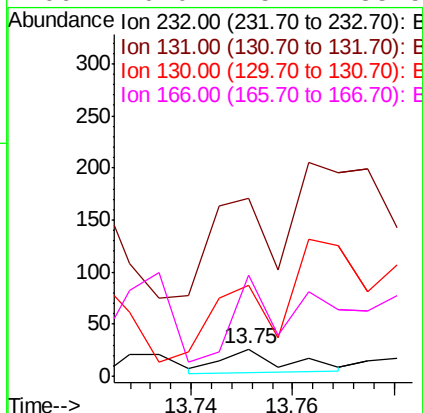
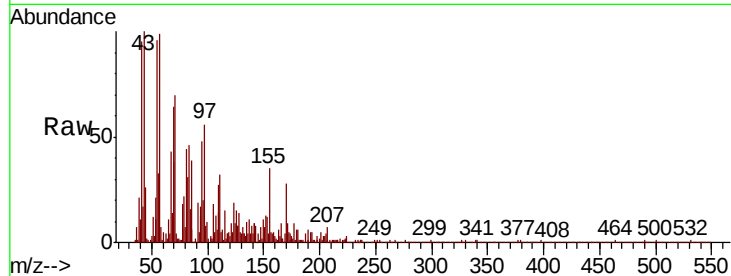
Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 232   | Resp: | 20    |
| Ion      | Ratio | Lower | Upper |
| 232      | 100   |       |       |
| 131      | 380.0 | 39.6  | 59.4# |
| 130      | 0.0   | 1.9   | 2.9#  |
| 166      | 210.0 | 25.7  | 38.5# |



#60

Diethylphthalate

Concen: 0.038 ng

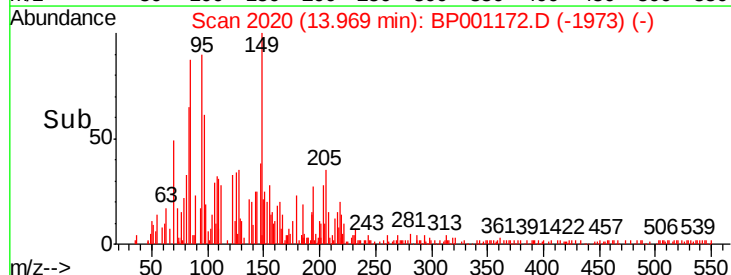
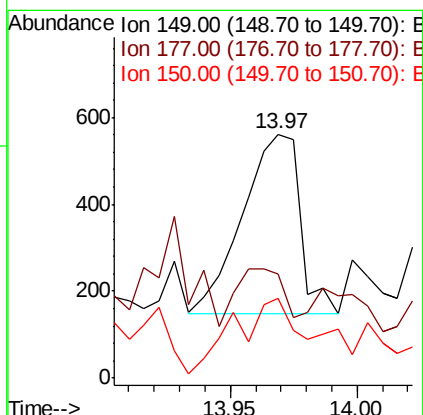
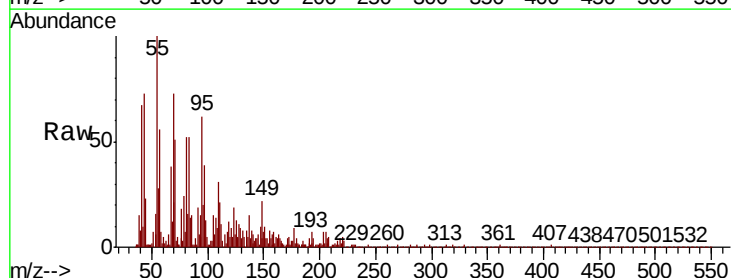
RT: 13.97 min Scan# 2020

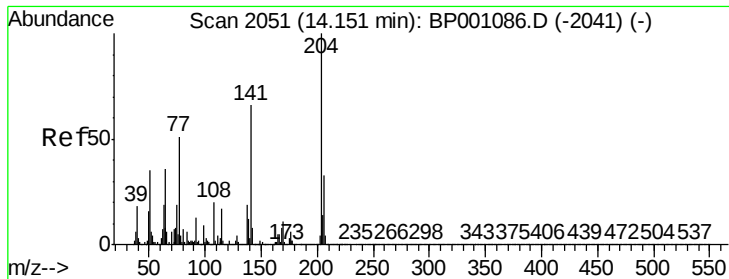
Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 660   |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 177      | 42.8  | 17.0  | 25.6# |
| 150      | 32.6  | 9.9   | 14.9# |

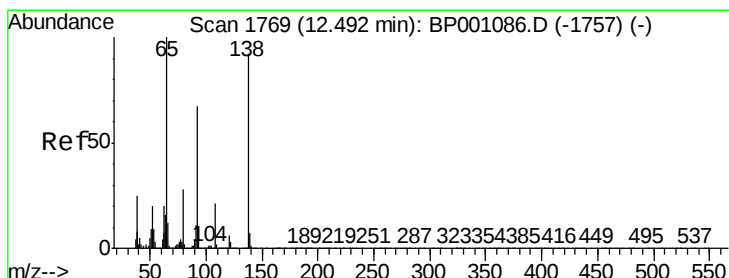
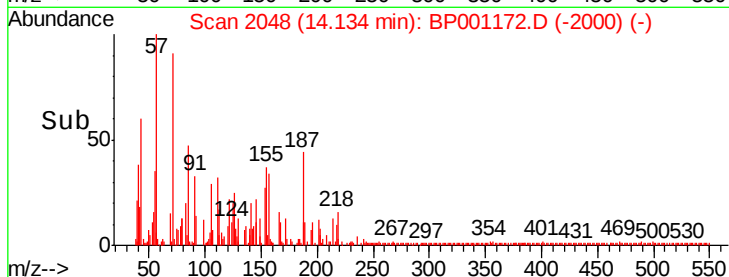
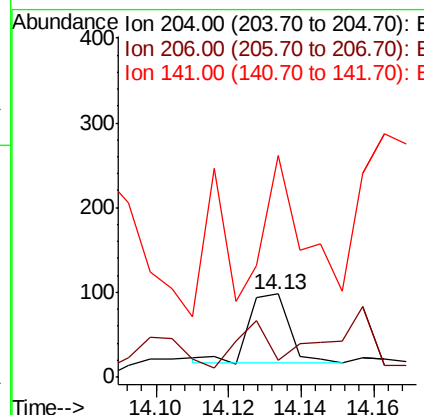
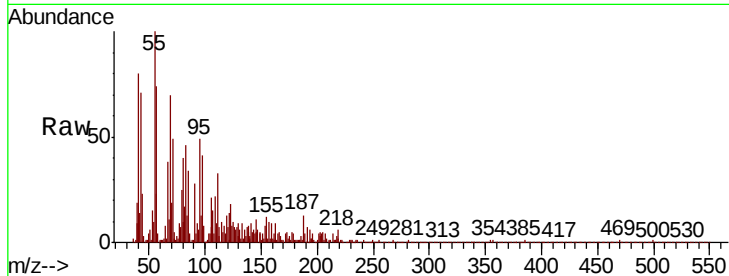




#61  
4-Chlorophenyl-phenylether  
Concen: 0.008 ng  
RT: 14.13 min Scan# 2048  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

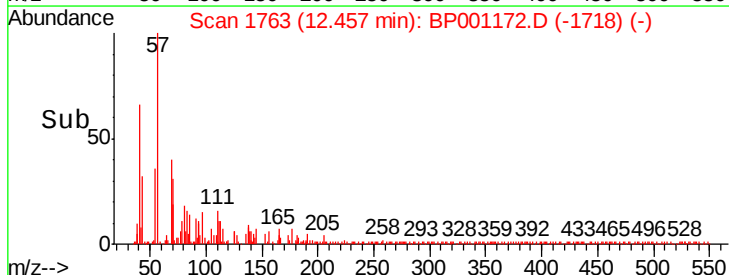
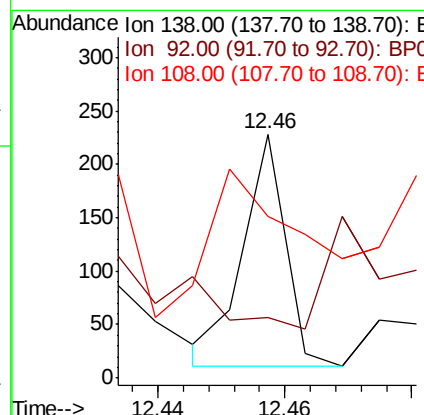
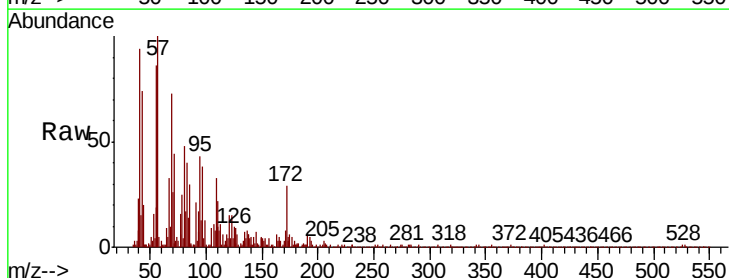
Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 20.4  | 26.1  | 39.1# |
| 141     | 266.3 | 52.7  | 79.1# |



#62  
4-Nitroaniline  
Concen: 0.021 ng  
RT: 12.46 min Scan# 1763  
Delta R.T. -0.04 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 24.6  | 53.3  | 93.3# |
| 108     | 66.2  | 3.1   | 43.1# |

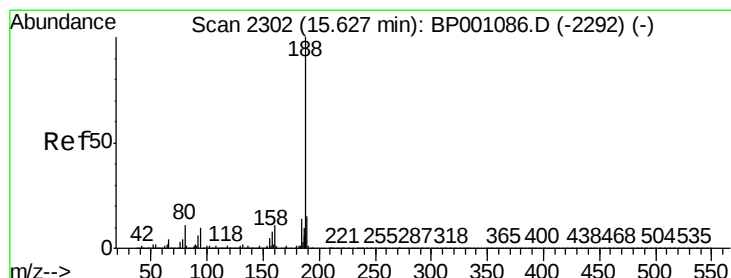
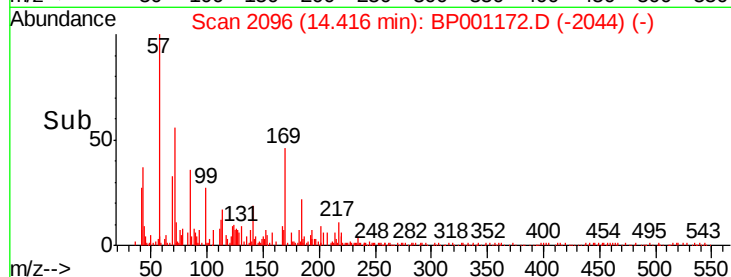
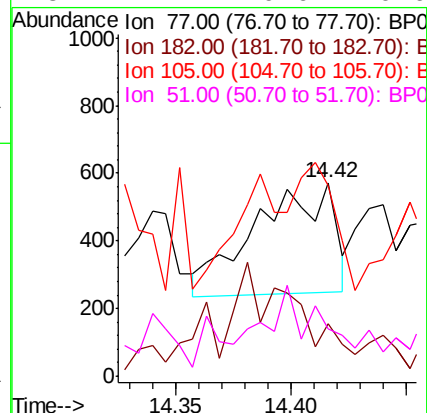
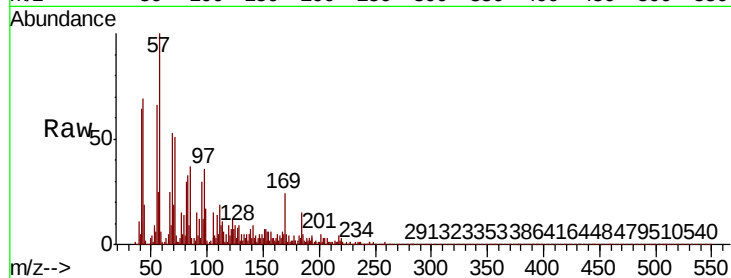




#63  
Azobenzene  
Concen: 0.041 ng  
RT: 14.42 min Scan# 2096  
Delta R.T. 0.01 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

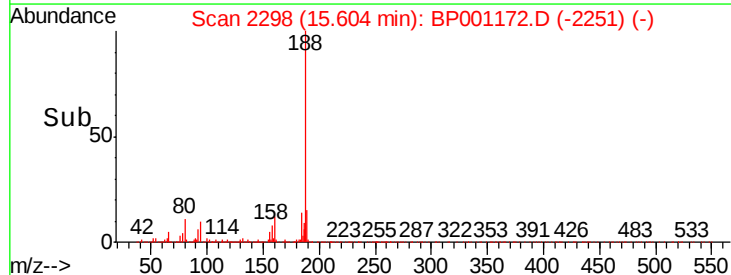
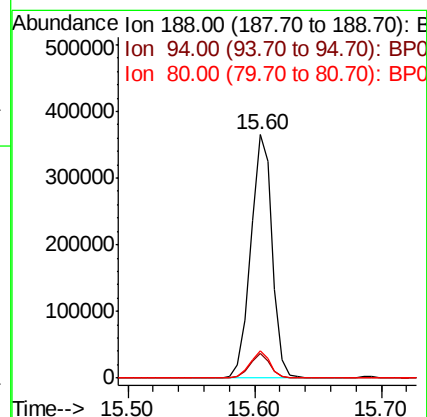
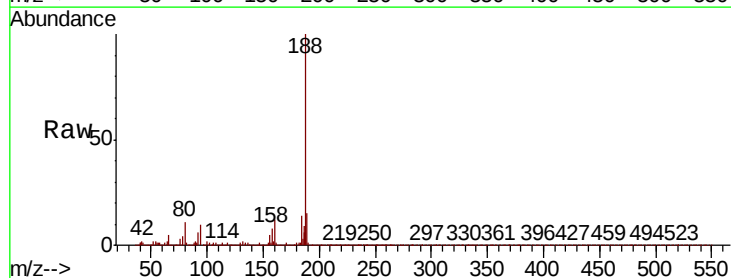
Instrument :  
BNA\_P  
ClientSampleId :

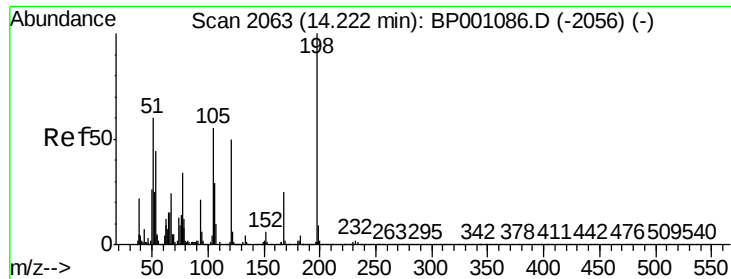
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 762   |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 182      | 27.4  | 0.8   | 40.8  |
| 105      | 98.6  | 0.3   | 40.3# |
| 51       | 24.4  | 9.6   | 49.6  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 15.60 min Scan# 2298  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 426082 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.4  | 7.9   | 11.9   |
| 80       | 11.2  | 8.8   | 13.2   |

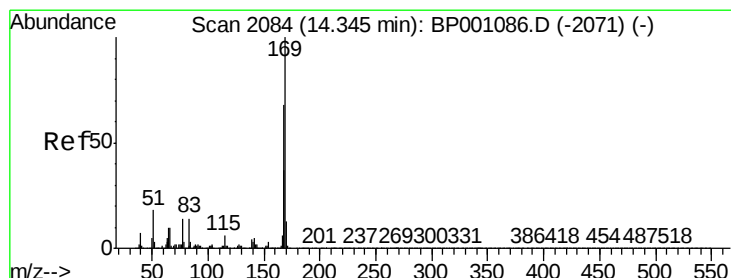
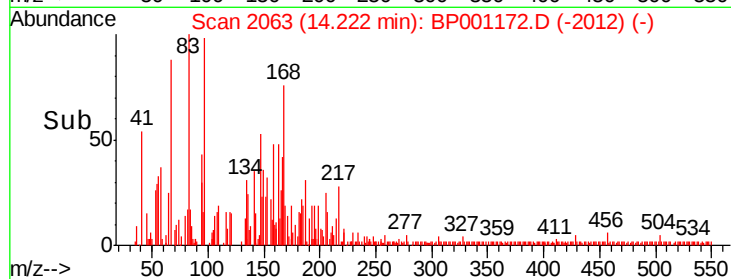
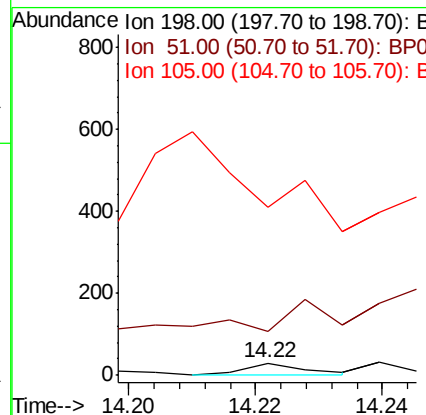
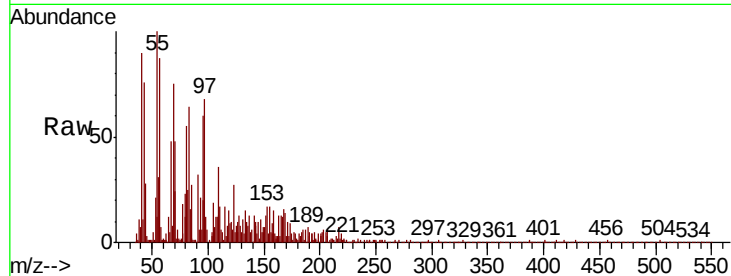




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.286 ng  
RT: 14.22 min Scan# 2063  
Delta R.T. 0.00 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

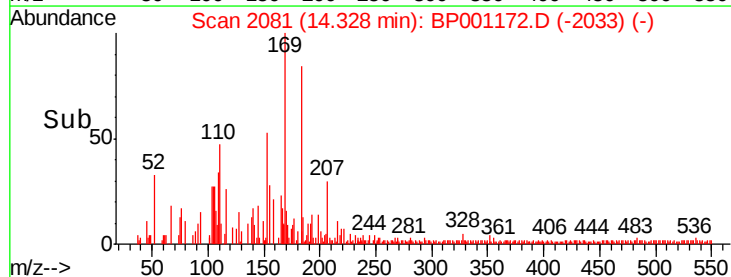
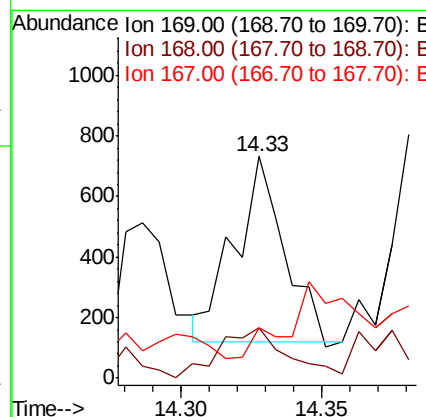
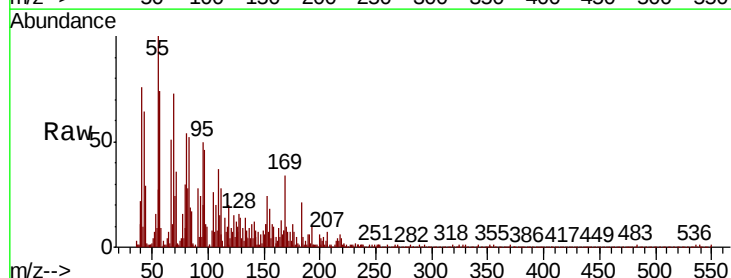
Instrument :  
BNA\_P  
ClientSampleId :

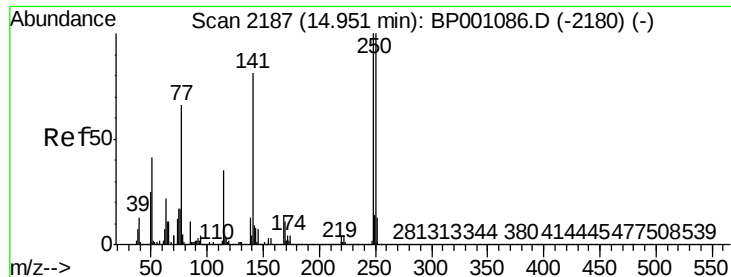
Tot Ion:198 Resp: 21  
Ion Ratio Lower Upper  
198 100  
51 353.3 40.5 80.5#  
105 1363.3 35.7 75.7#



#66  
n-Nitrosodiphenylamine  
Concen: 0.057 ng  
RT: 14.33 min Scan# 2081  
Delta R.T. -0.02 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

Tgt Ion:169 Resp: 738  
Ion Ratio Lower Upper  
169 100  
168 22.7 54.1 81.1#  
167 22.8 29.5 44.3#

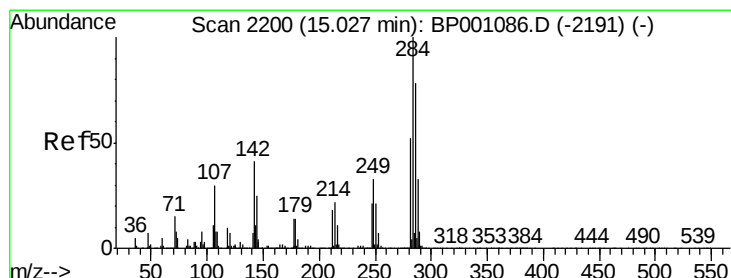
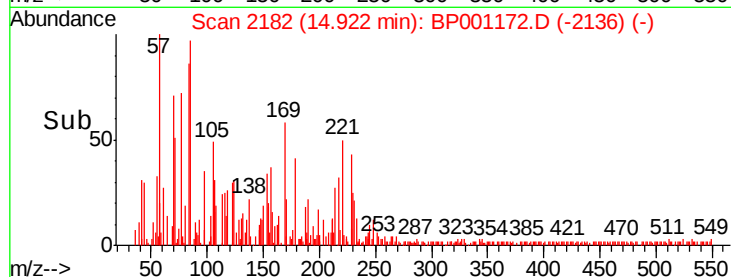
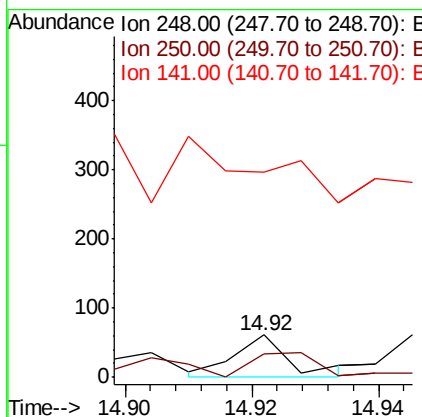
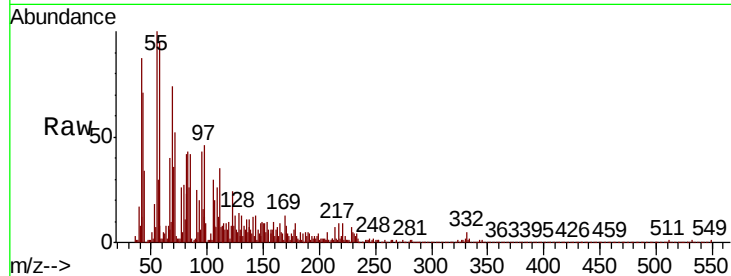




#67  
4-Bromophenyl-phenylether  
Concen: 0.008 ng  
RT: 14.92 min Scan# 2182  
Delta R.T. -0.03 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

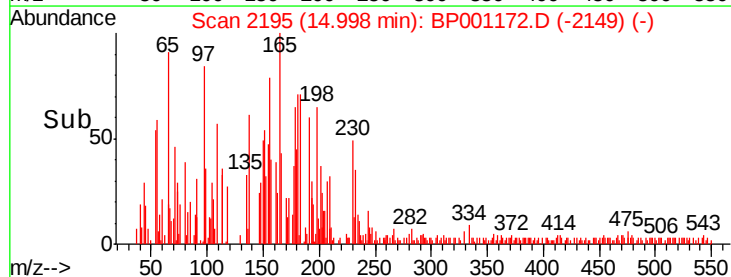
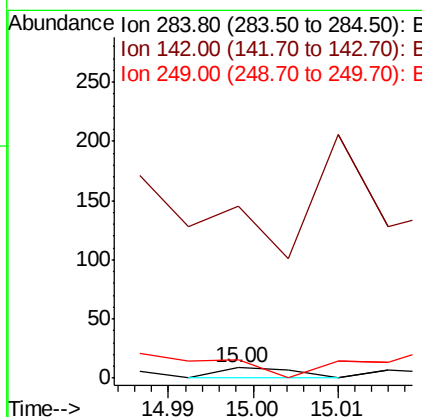
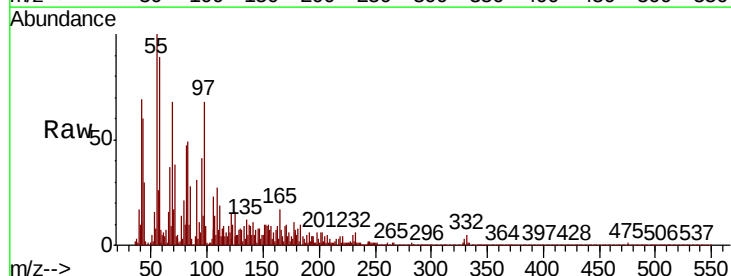
Instrument :  
BNA\_P  
ClientSampled :

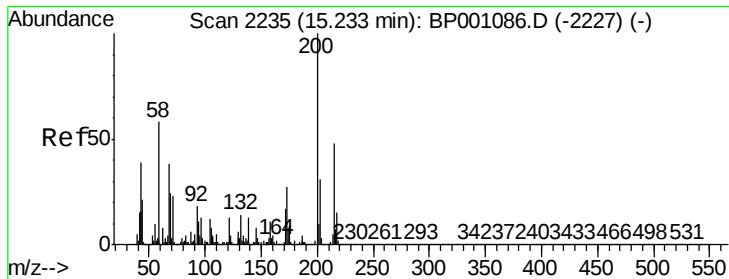
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 55.7  | 80.3  | 120.5# |
| 141     | 485.2 | 64.9  | 97.3#  |



#68  
Hexachlorobenzene  
Concen: 0.001 ng  
RT: 15.00 min Scan# 2195  
Delta R.T. -0.03 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

| Tgt Ion | Ratio  | Lower | Upper |
|---------|--------|-------|-------|
| 284     | 100    |       |       |
| 142     | 1611.1 | 33.2  | 49.8# |
| 249     | 177.8  | 26.2  | 39.4# |





#69

Atrazine

Concen: 0.014 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.09 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

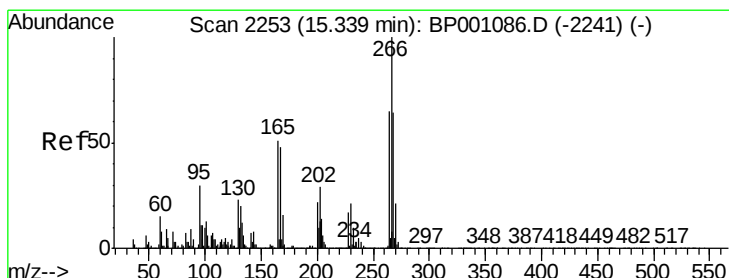
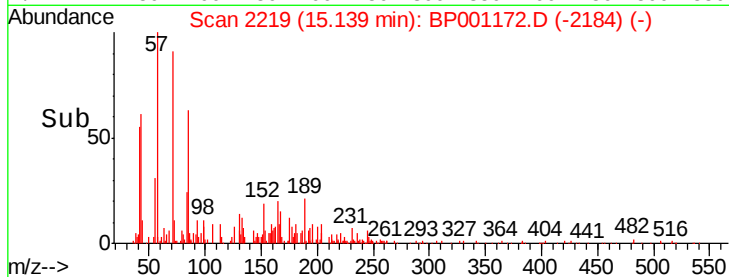
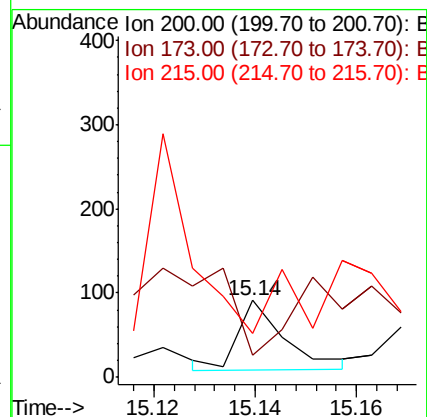
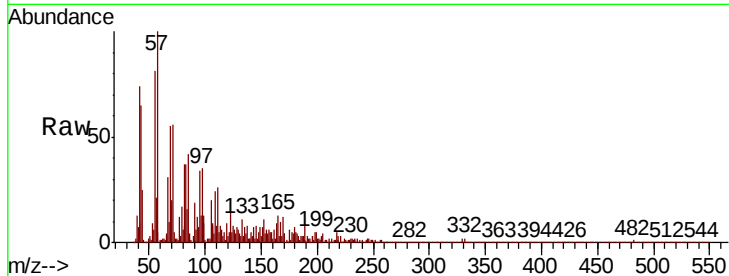
Tot Ion:200 Resp: 54

Ion Ratio Lower Upper

200 100

173 27.1 6.7 46.7

215 54.2 27.9 67.9



#70

Pentachlorophenol

Concen: 0.004 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.17 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

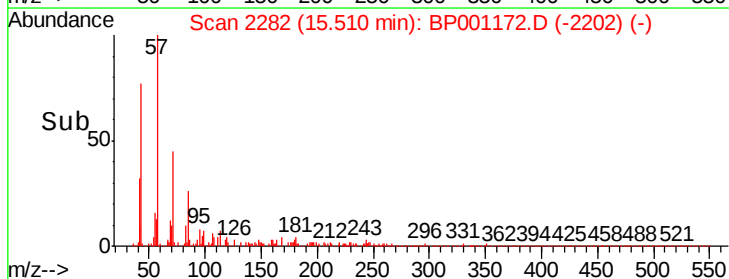
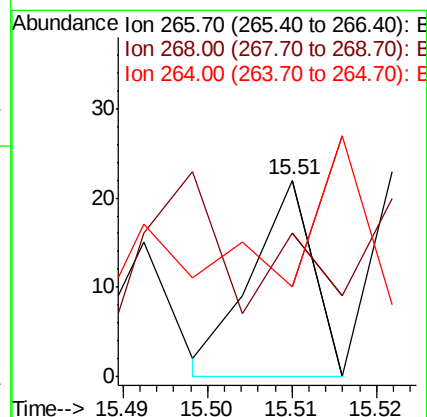
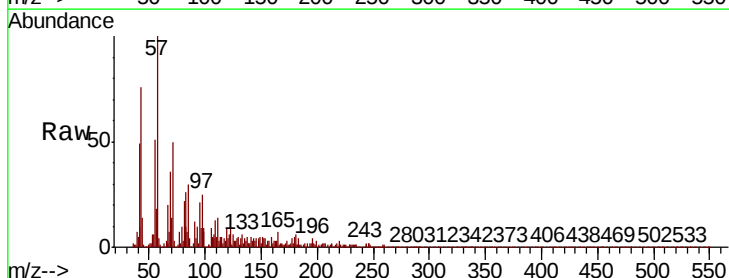
Tgt Ion:266 Resp: 11

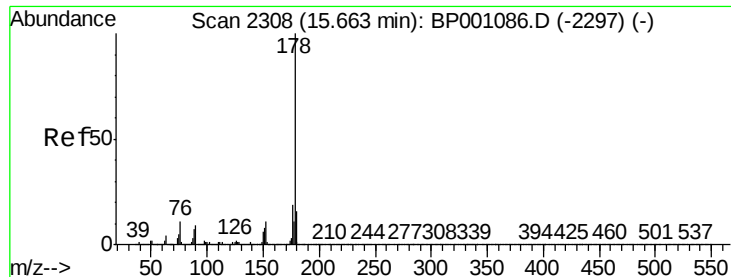
Ion Ratio Lower Upper

266 100

268 72.7 51.6 77.4

264 68.2 52.2 78.4





#71

Phenanthrene

Concen: 0.136 ng

RT: 15.64 min Scan# 2304

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

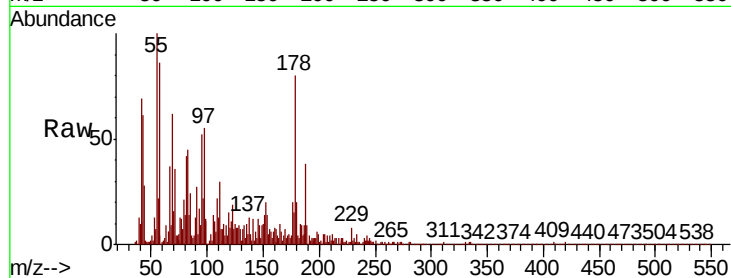
Tot Ion:178 Resp: 3036

Ion Ratio Lower Upper

178 100

176 24.7 15.4 23.2#

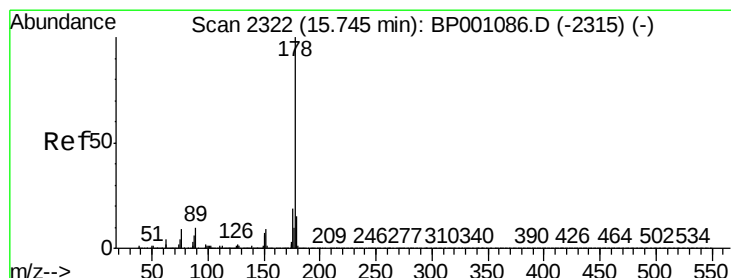
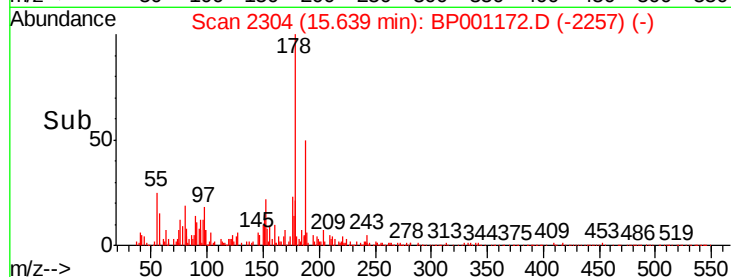
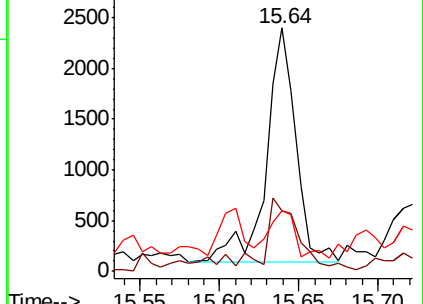
179 24.7 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 0.038 ng

RT: 15.72 min Scan# 2318

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

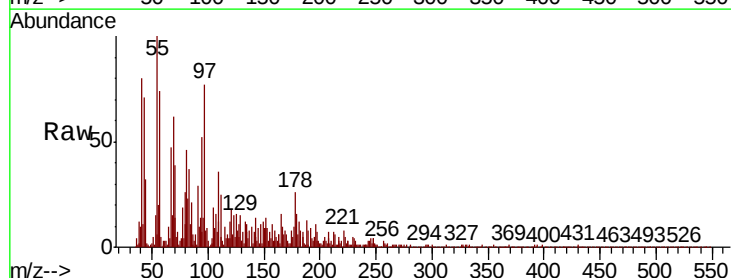
Tgt Ion:178 Resp: 848

Ion Ratio Lower Upper

178 100

176 19.5 14.9 22.3

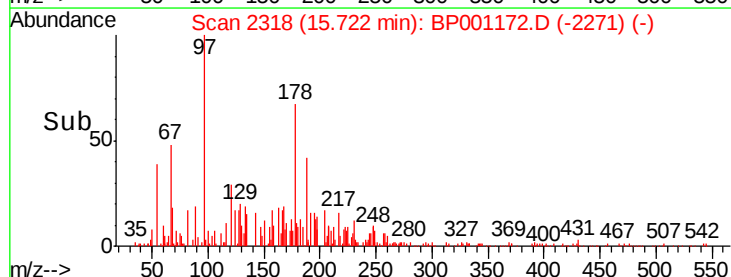
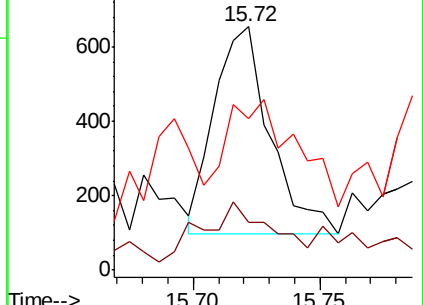
179 62.1 12.2 18.4#

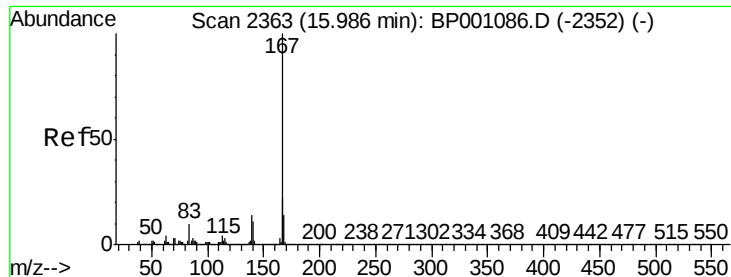


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

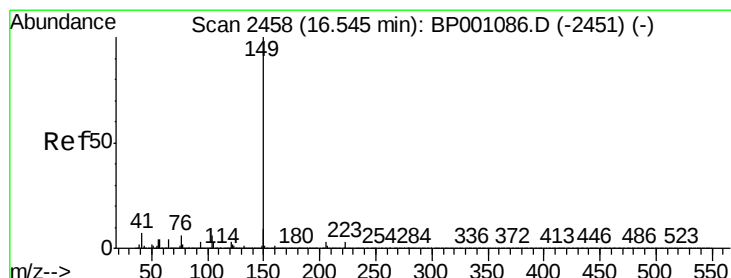
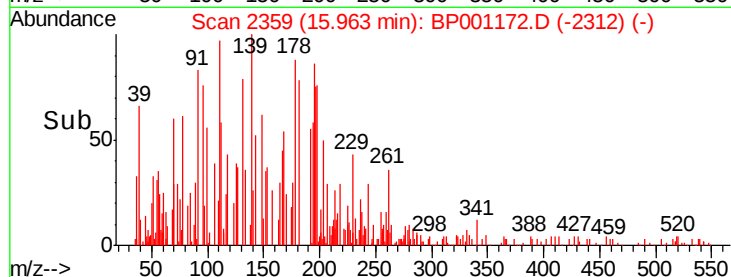
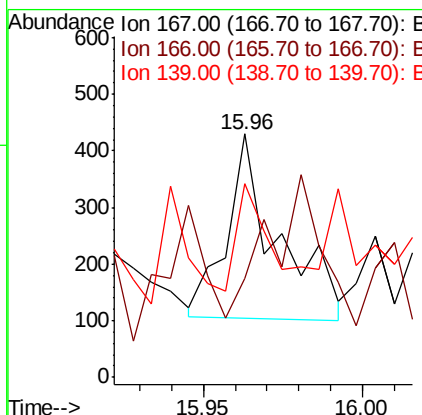
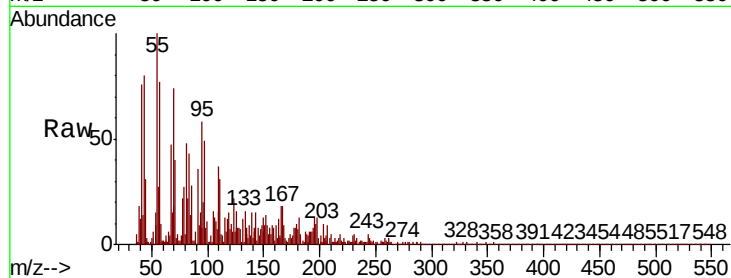




#73  
 Carbazole  
 Concen: 0.018 ng  
 RT: 15.96 min Scan# 2359  
 Delta R.T. -0.02 min  
 Lab File: BP001172.D  
 Acq: 03 Dec 2019 23:37

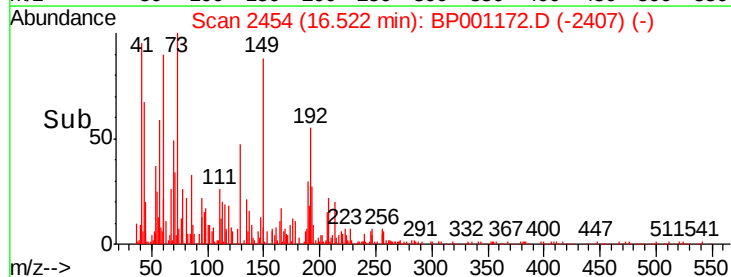
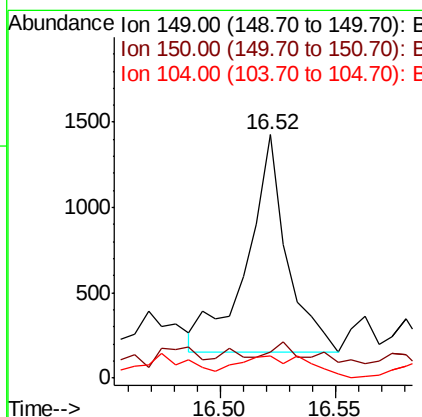
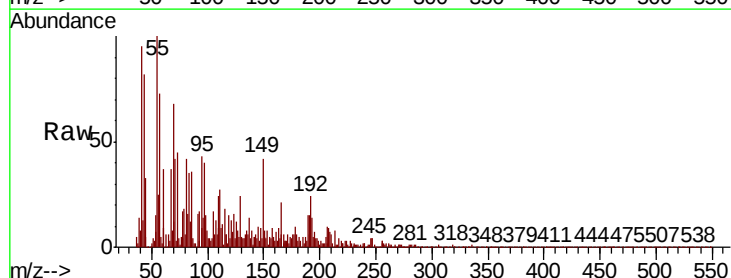
Instrument :  
 BNA\_P  
 ClientSampled :

Tot Ion:167 Resp: 363  
 Ion Ratio Lower Upper  
 167 100  
 166 40.7 17.2 25.8#  
 139 79.5 11.3 16.9#



#74  
 Di-n-butylphthalate  
 Concen: 0.057 ng  
 RT: 16.52 min Scan# 2454  
 Delta R.T. -0.02 min  
 Lab File: BP001172.D  
 Acq: 03 Dec 2019 23:37

Tgt Ion:149 Resp: 1539  
 Ion Ratio Lower Upper  
 149 100  
 150 10.9 7.4 11.2  
 104 9.2 4.6 6.8#





#75

Fluoranthene

Concen: 0.185 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

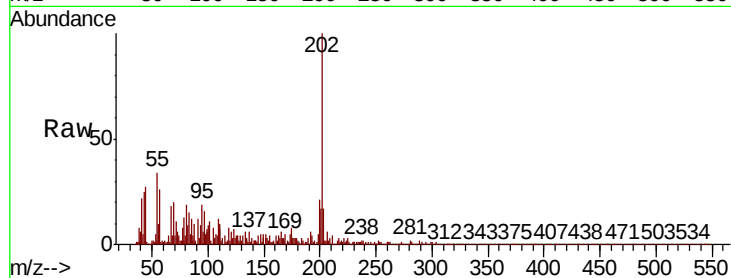
Tot Ion:202 Resp: 4389

Ion Ratio Lower Upper

202 100

101 11.3 0.0 32.1

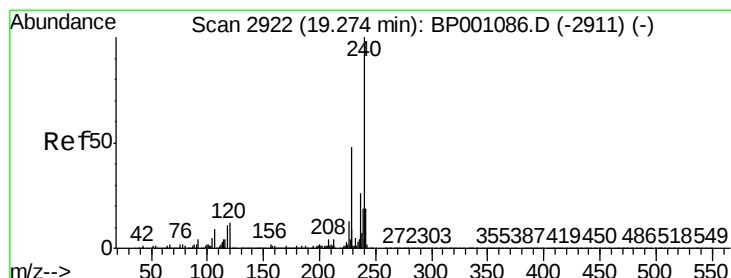
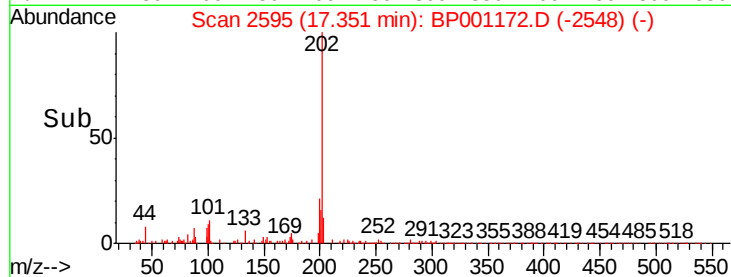
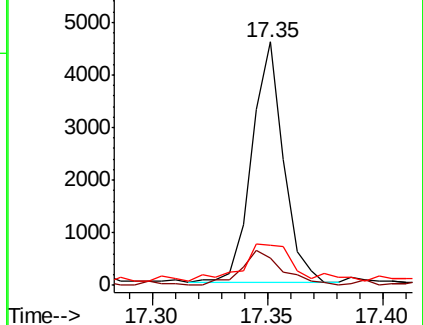
203 16.7 0.0 37.8



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 19.25 min Scan# 2917

Delta R.T. -0.03 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

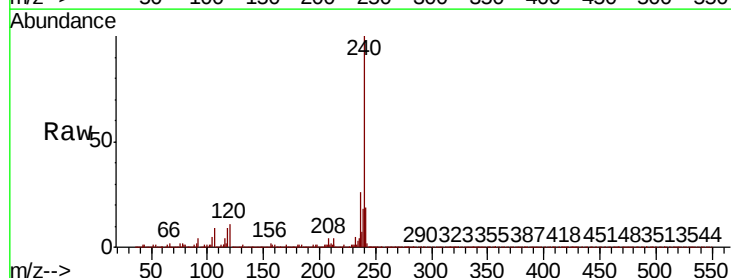
Tgt Ion:240 Resp: 338707

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

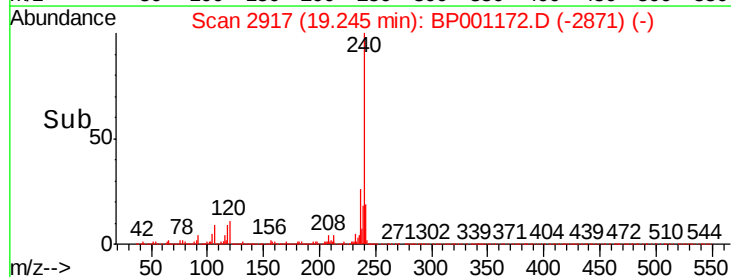
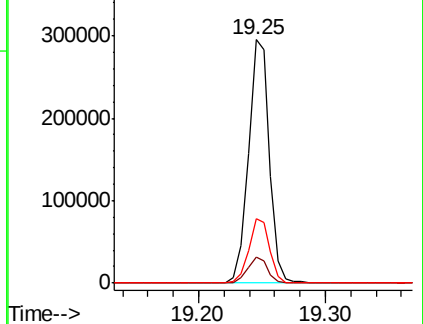
236 26.5 20.4 30.6



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





#77

Benzidine

Concen: 0.011 ng

RT: 17.53 min Scan# 2626

Delta R.T. -0.03 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampled :

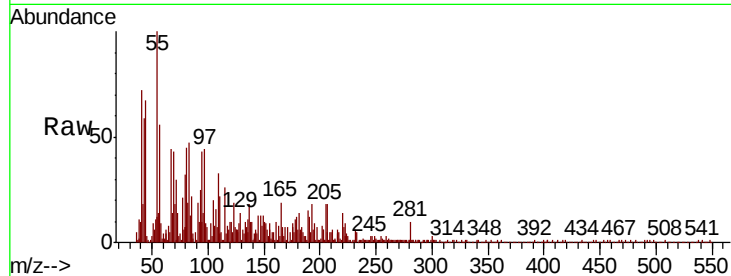
Tot Ion:184 Resp: 99

Ion Ratio Lower Upper

184 100

185 77.6 12.2 18.4#

183 56.9 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

250

200

150

100

50

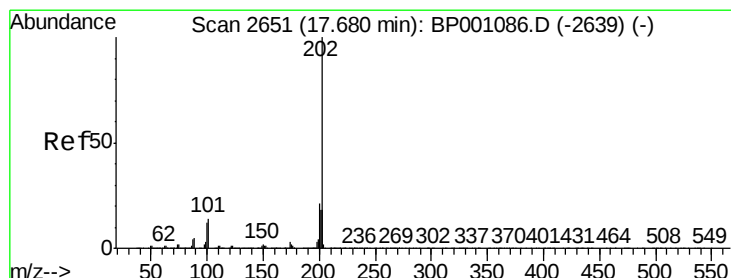
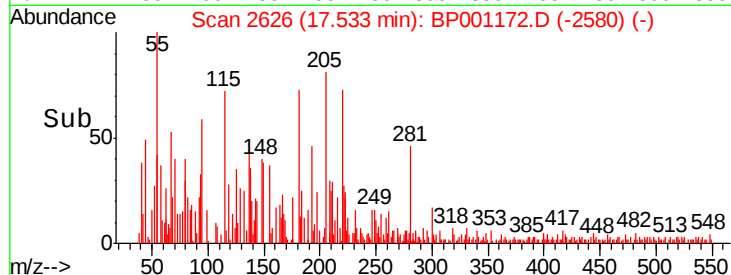
0

17.50

17.52

17.54

Time-->



#78

Pyrene

Concen: 0.159 ng

RT: 17.66 min Scan# 2647

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

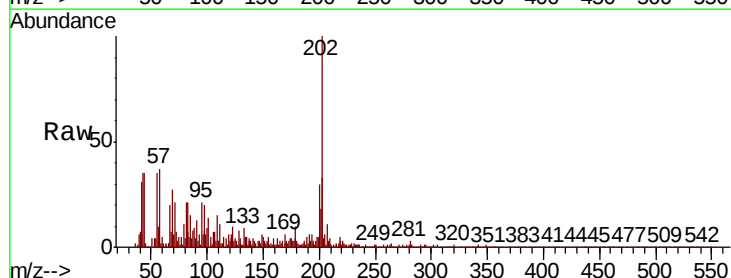
Tgt Ion:202 Resp: 4233

Ion Ratio Lower Upper

202 100

200 30.5 17.0 25.6#

203 32.9 14.1 21.1#



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

5000

4000

3000

2000

1000

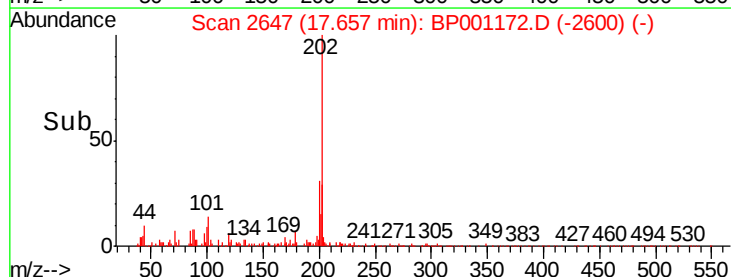
0

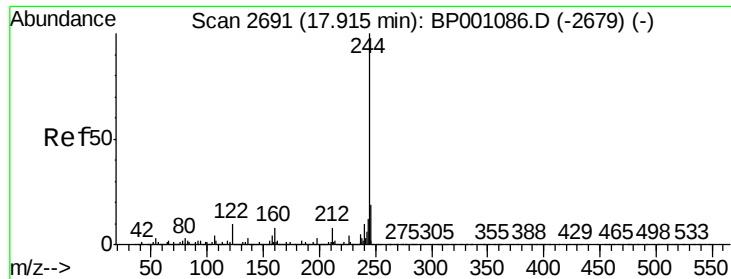
17.60

17.65

17.70

Time-->





#79

Terphenyl-d14

Concen: 66.591 ng

RT: 17.89 min Scan# 2687

Delta R.T. -0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

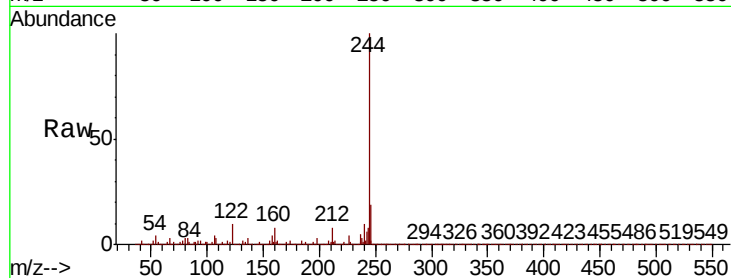
Instrument :

BNA\_P

ClientSampleId :

Tot Ion:244 Resp: 1219119

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.9   | 6.2   | 9.2   |
| 122 | 10.3  | 8.2   | 12.2  |

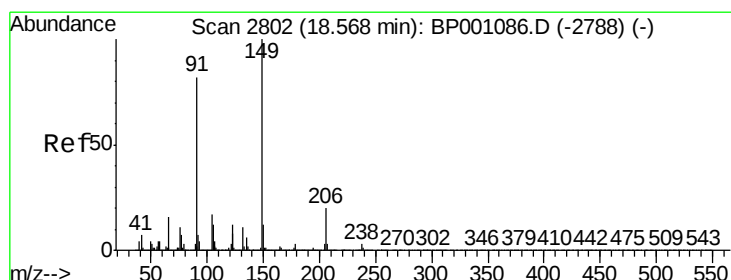
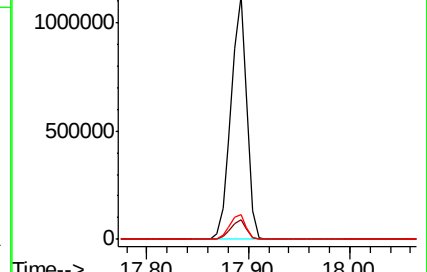
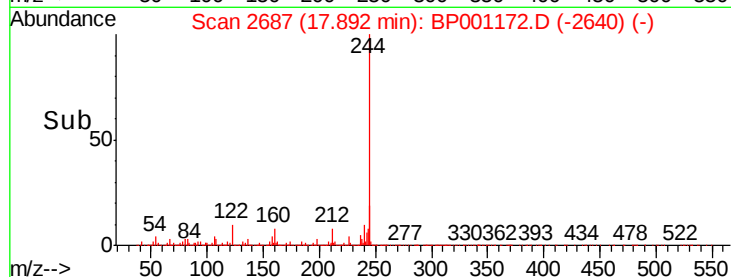


Abundance

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



#80

Butylbenzylphthalate

Concen: 0.006 ng

RT: 18.54 min Scan# 2797

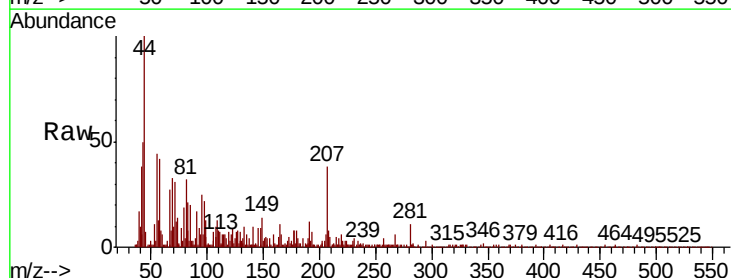
Delta R.T. -0.03 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Tgt Ion:149 Resp: 69

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 126.5 | 65.4  | 98.2# |
| 206 | 45.3  | 16.0  | 24.0# |

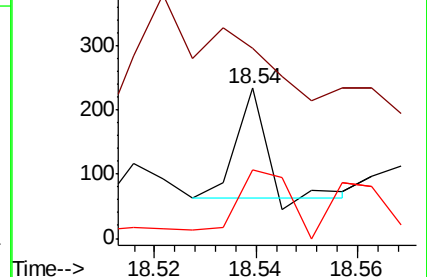
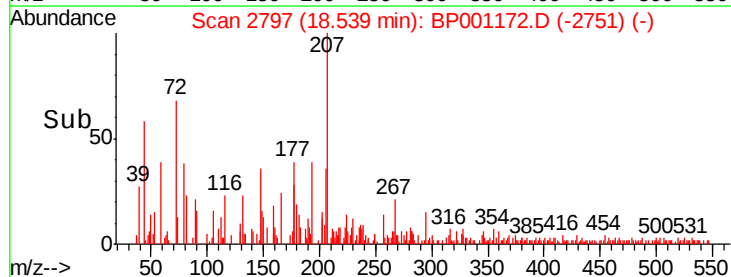


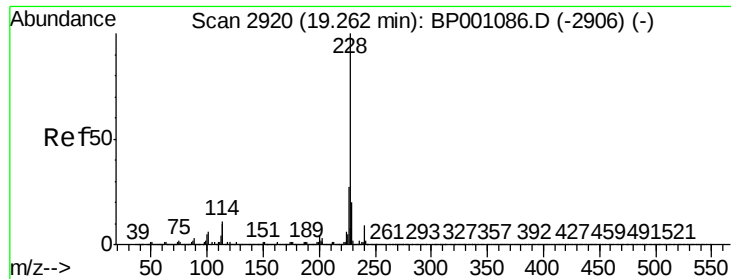
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.076 ng

RT: 19.28 min Scan# 2923

Delta R.T. 0.02 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

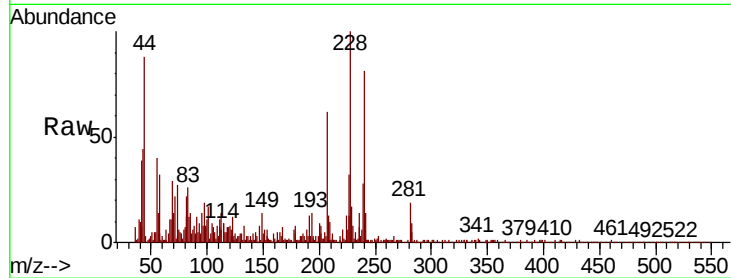
Instrument :

BNA\_P

ClientSampled :

Tot Ion:228 Resp: 1791

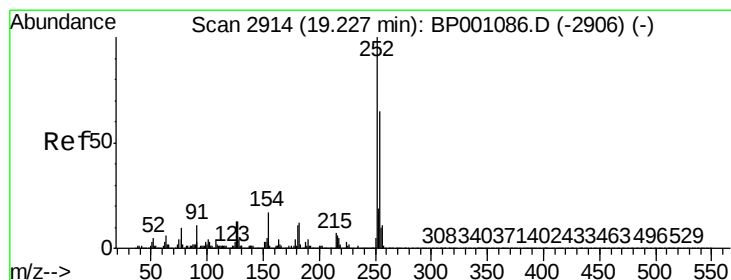
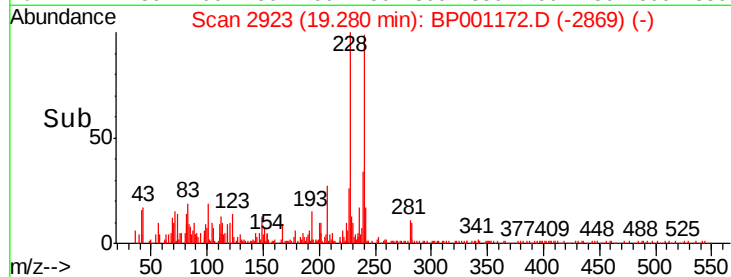
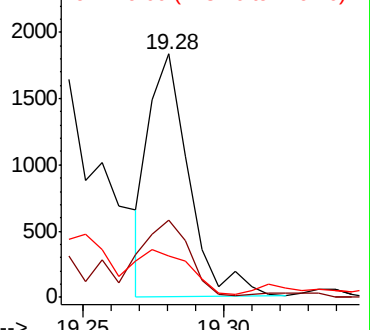
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.5  | 21.8  | 32.6  |
| 229 | 17.1  | 15.8  | 23.6  |



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



#82

3,3'-Dichlorobenzidine

Concen: 0.008 ng

RT: 19.18 min Scan# 2906

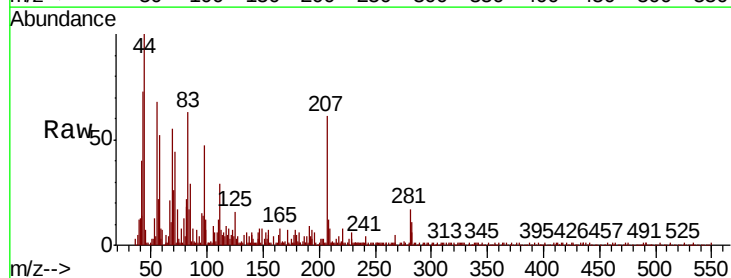
Delta R.T. -0.05 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Tgt Ion:252 Resp: 63

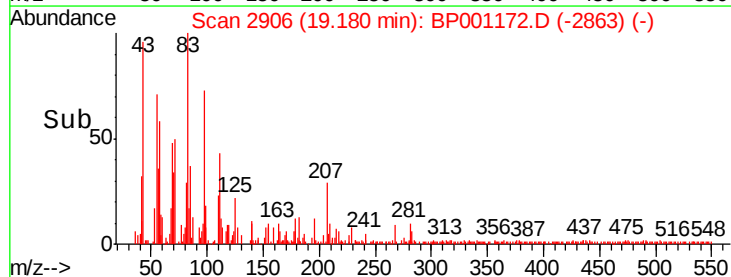
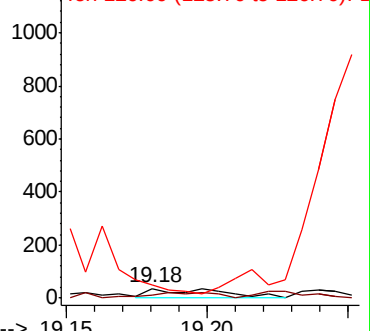
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 36.1  | 51.7  | 77.5# |
| 126 | 141.7 | 10.2  | 15.4# |

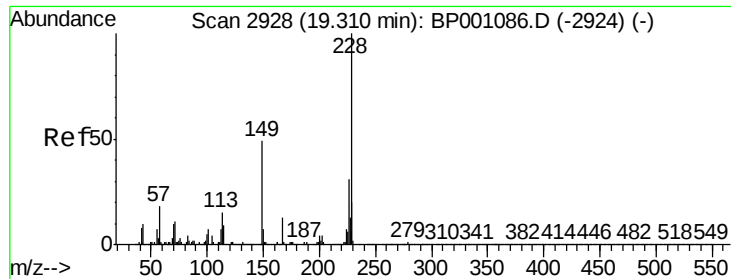


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.085 ng

RT: 19.28 min Scan# 2923

Delta R.T. -0.03 min

Lab File: BP001172.D

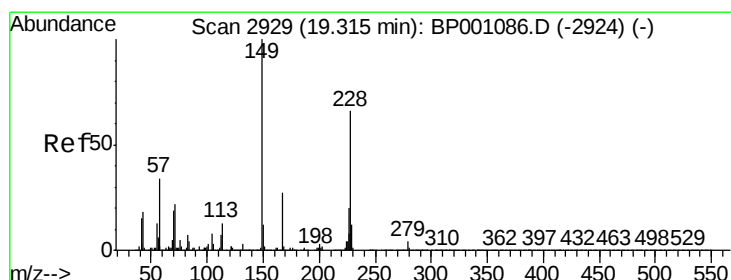
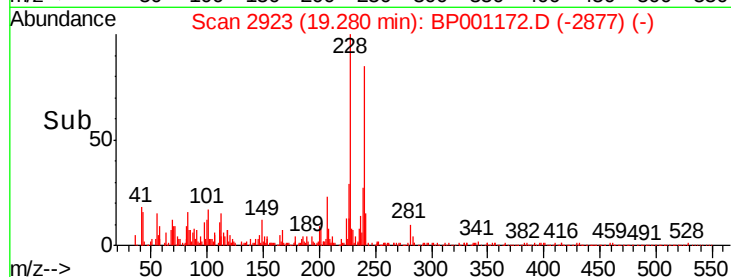
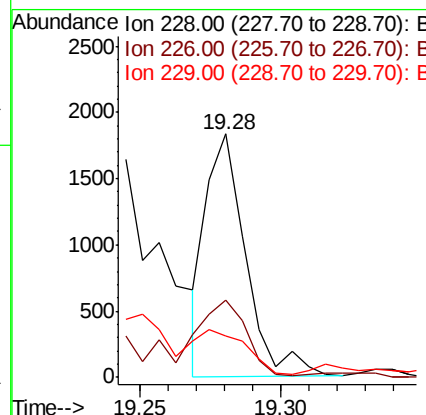
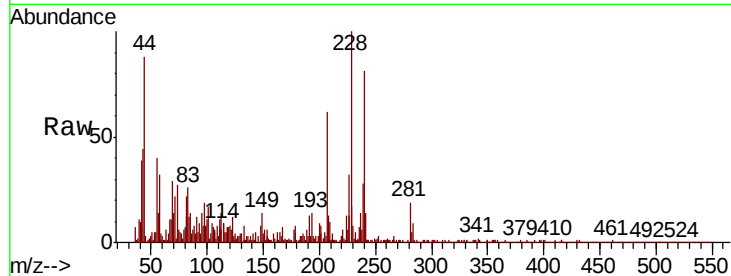
Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampled :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:228 | Resp: | 1791        |
| Ion         | Ratio | Lower Upper |
| 228         | 100   |             |
| 226         | 31.5  | 24.4 36.6   |
| 229         | 17.1  | 15.7 23.5   |



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.011 ng

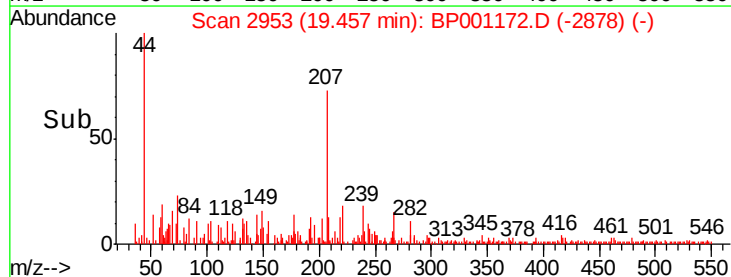
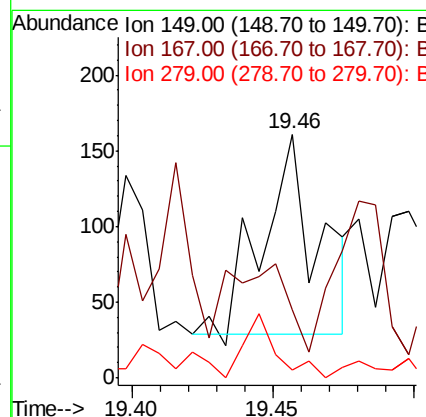
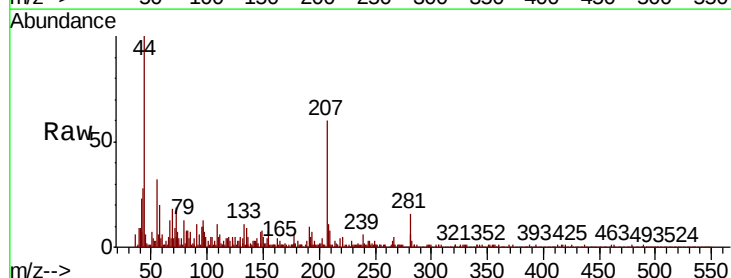
RT: 19.46 min Scan# 2953

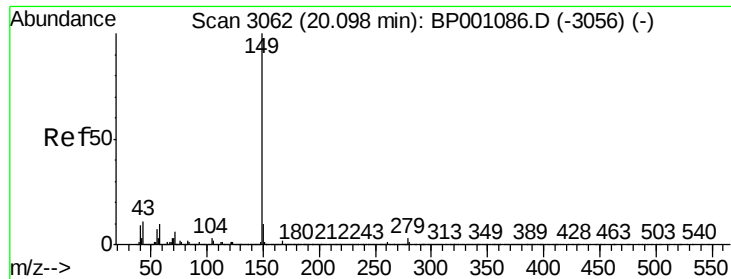
Delta R.T. 0.14 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:149 | Resp: | 179         |
| Ion         | Ratio | Lower Upper |
| 149         | 100   |             |
| 167         | 28.0  | 21.3 31.9   |
| 279         | 3.1   | 2.8 4.2     |

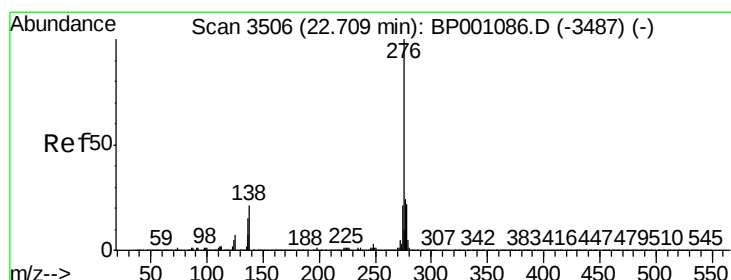
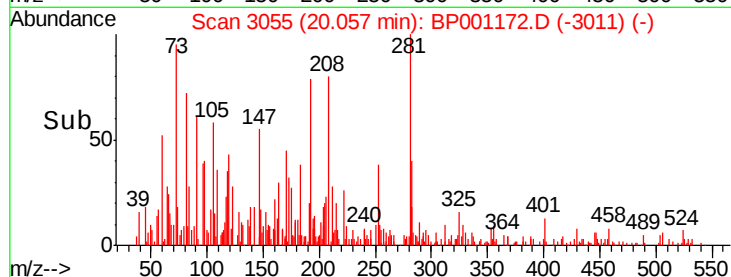
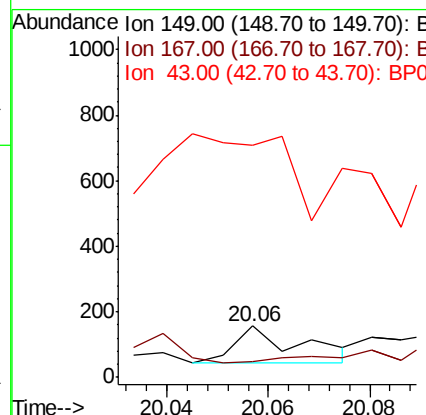
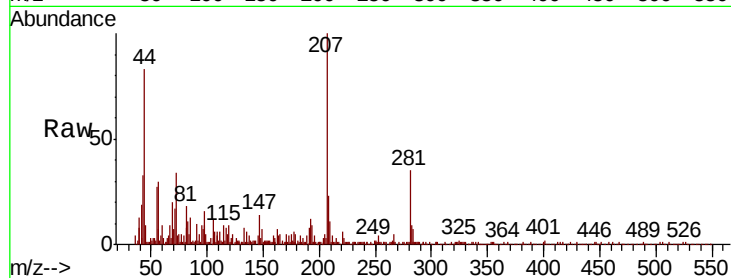




#85  
Di-n-octyl phthalate  
Concen: 0.003 ng  
RT: 20.06 min Scan# 3055  
Delta R.T. -0.04 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

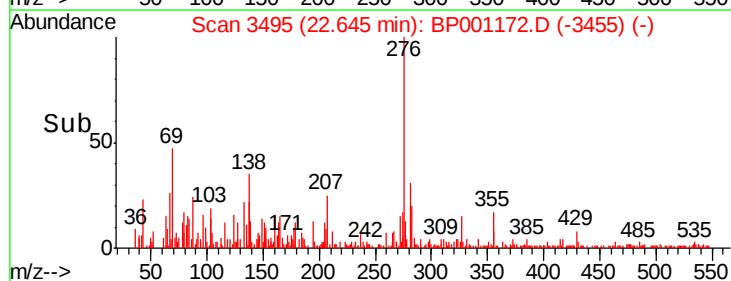
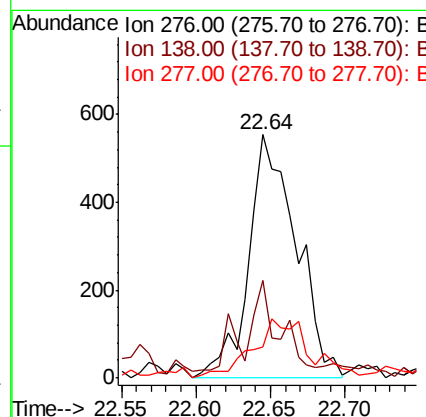
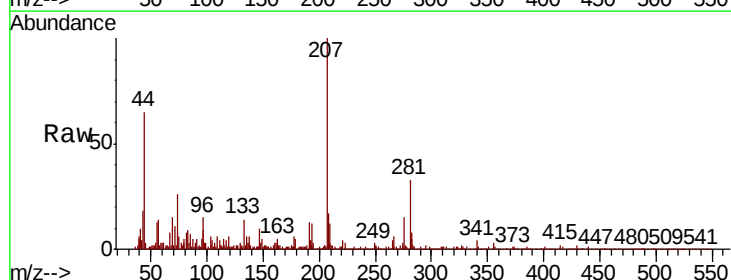
Instrument :  
BNA\_P  
ClientSampleId :

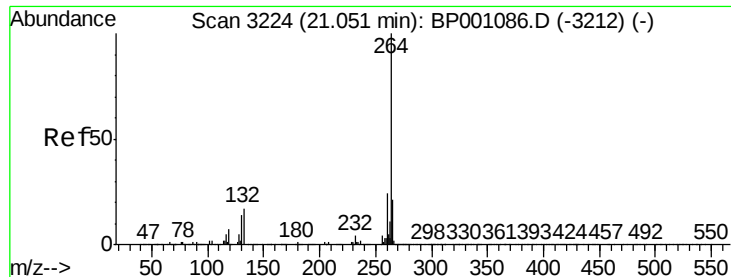
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 0.0   | 1.2   | 1.8#  |
| 43      | 0.0   | 8.5   | 12.7# |



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 0.050 ng  
RT: 22.64 min Scan# 3495  
Delta R.T. -0.06 min  
Lab File: BP001172.D  
Acq: 03 Dec 2019 23:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 17.3  | 20.6  | 30.8# |
| 277     | 22.8  | 20.0  | 30.0  |





#87

Pervlene-d12

Concen: 20.000 ng

RT: 21.02 min Scan# 3219

Delta R.T. -0.03 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

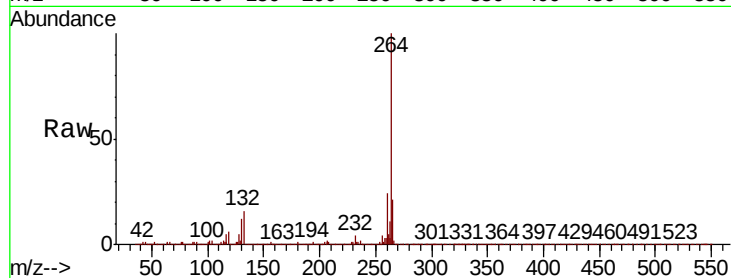
Instrument :

BNA\_P

ClientSampleId :

Tot Ion:264 Resp: 348857

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.4  | 18.8  | 28.2  |
| 265 | 21.3  | 16.9  | 25.3  |

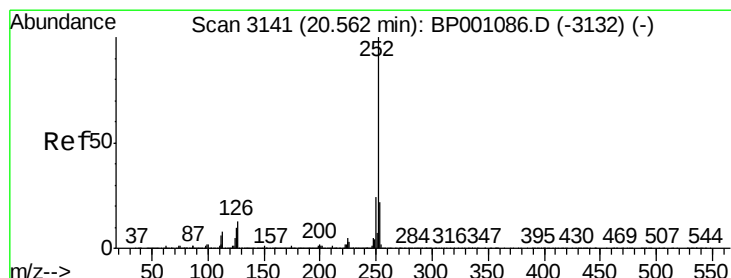
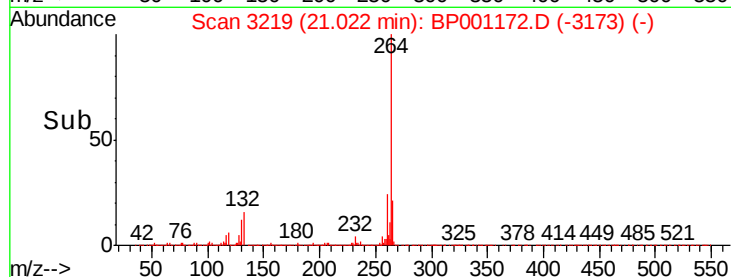
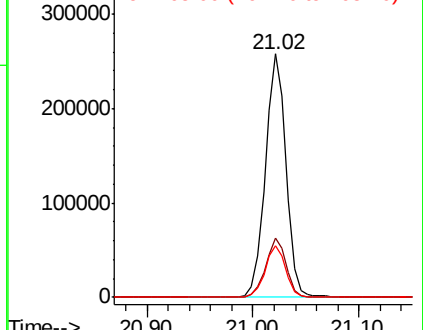


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 0.164 ng

RT: 20.53 min Scan# 3136

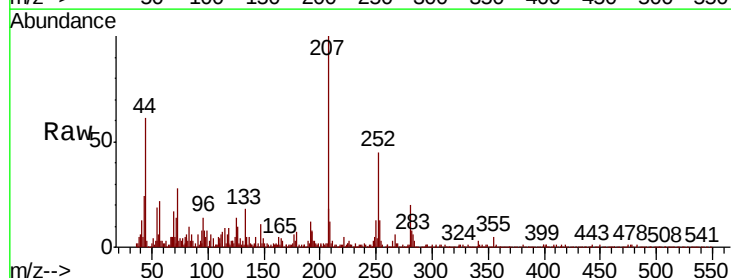
Delta R.T. -0.03 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Tgt Ion:252 Resp: 3484

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 28.8  | 17.4  | 26.0# |
| 125 | 31.4  | 8.1   | 12.1# |

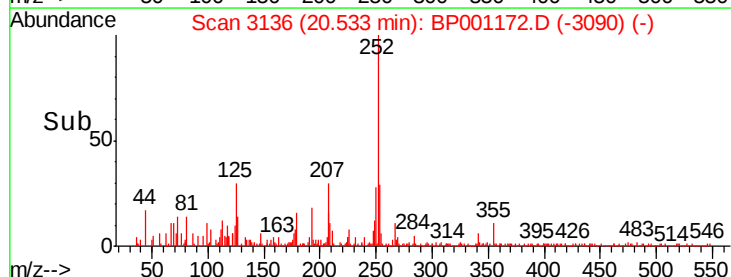
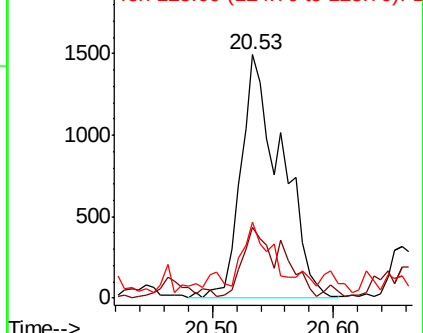


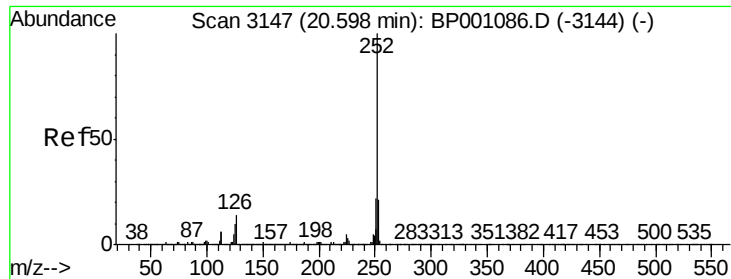
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 0.170 ng

RT: 20.53 min Scan# 3136

Delta R.T. -0.06 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

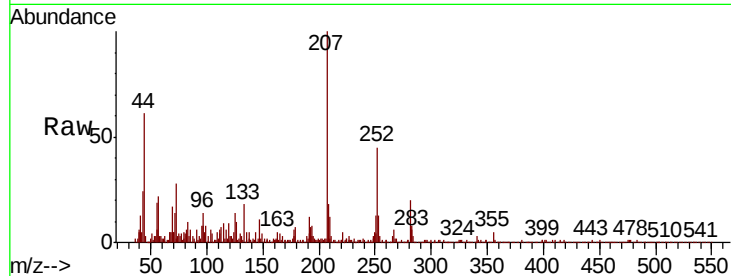
Tot Ion:252 Resp: 3484

Ion Ratio Lower Upper

252 100

253 28.8 17.1 25.7#

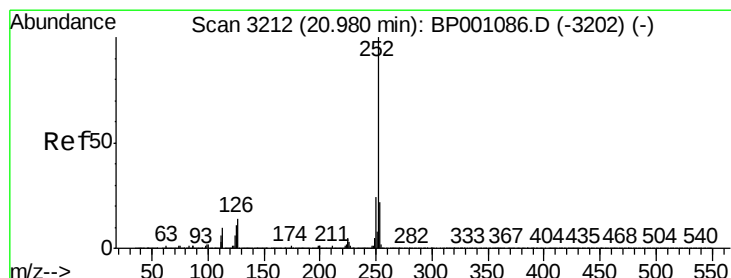
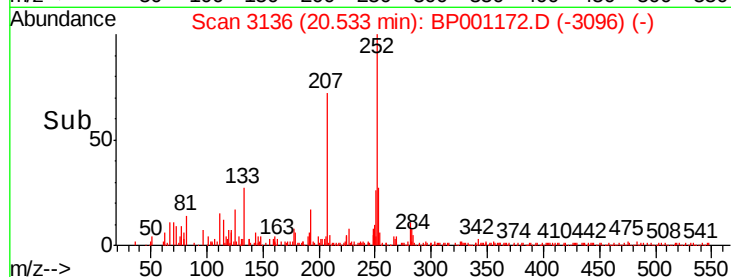
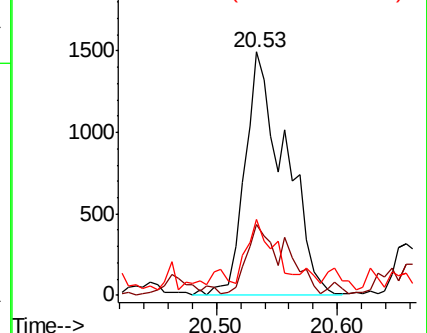
125 31.4 8.2 12.2#



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



#90

Benzo(a)pyrene

Concen: 0.084 ng

RT: 20.95 min Scan# 3206

Delta R.T. -0.04 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

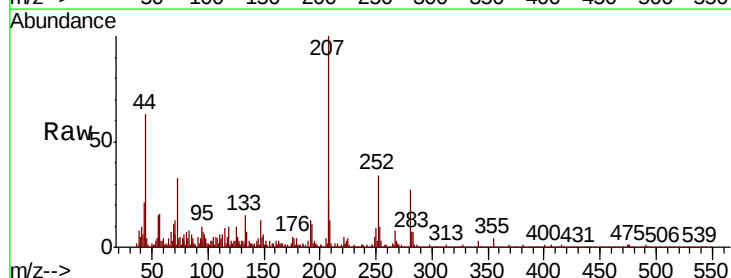
Tgt Ion:252 Resp: 1654

Ion Ratio Lower Upper

252 100

253 29.5 17.4 26.0#

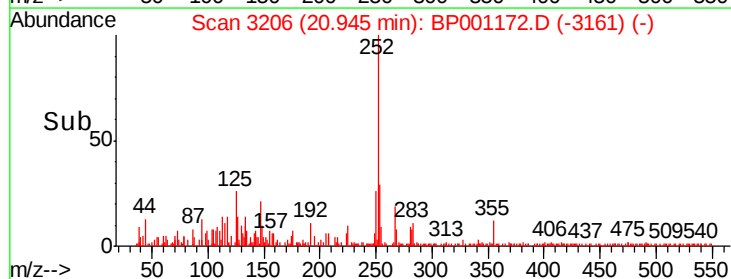
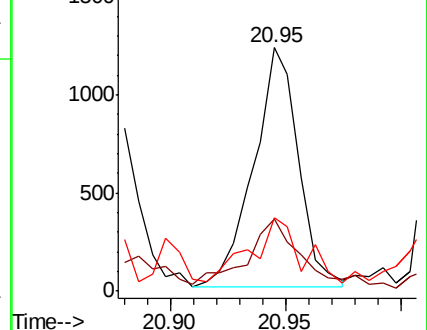
125 30.0 8.7 13.1#

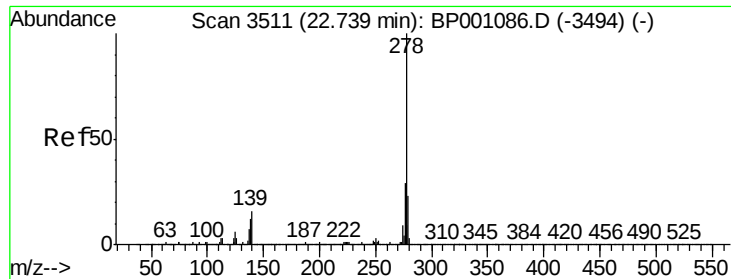


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 0.018 ng

RT: 22.66 min Scan# 3498

Delta R.T. -0.08 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

Instrument :

BNA\_P

ClientSampleId :

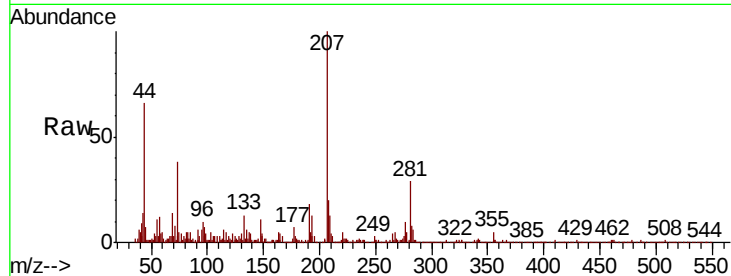
Tot Ion:278 Resp: 347

Ion Ratio Lower Upper

278 100

139 38.8 13.0 19.4#

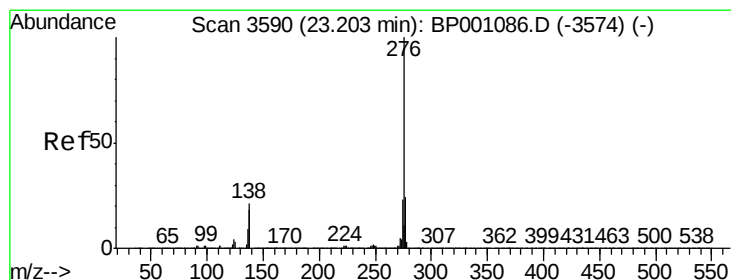
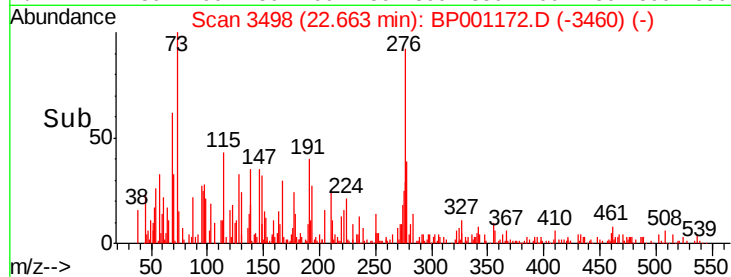
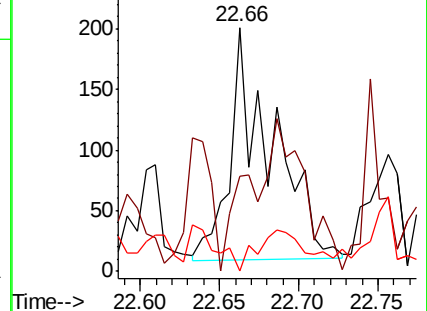
279 0.0 18.7 28.1#



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: 0.057 ng

RT: 23.15 min Scan# 3581

Delta R.T. -0.05 min

Lab File: BP001172.D

Acq: 03 Dec 2019 23:37

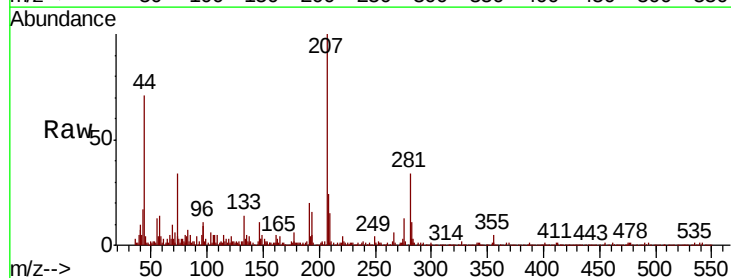
Tgt Ion:276 Resp: 1082

Ion Ratio Lower Upper

276 100

277 15.4 19.2 28.8#

138 18.9 17.2 25.8



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

