

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012720\  
 Data File : BP001691.D  
 Acq On : 27 Jan 2020 15:16  
 Operator : CG/JU  
 Sample : PB126358BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Jan 28 03:23:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 24 22:23:46 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 16828    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.33 | 136  | 77028    | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.21 | 164  | 61549    | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 16.97 | 188  | 151582   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.09 | 240  | 156418   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.28 | 264  | 174037   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.18  | 112 | 120271 | 140.00 | ng | 0.00  |
| 7) Phenol-d6             | 6.76  | 99  | 181201 | 131.98 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 8.70  | 82  | 132671 | 75.26  | ng | 0.00  |
| 42) 2,4,6-Tribromophenol | 15.72 | 330 | 80936  | 86.39  | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 12.83 | 172 | 307101 | 73.36  | ng | -0.01 |
| 79) Terphenyl-d14        | 19.57 | 244 | 587271 | 68.67  | ng | -0.01 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.11  | 88  | 11473  | 41.848 | ng | 96     |
| 3) Pyridine                    | 3.49  | 79  | 33964  | 34.284 | ng | 93     |
| 4) n-Nitrosodimethylamine      | 3.41  | 42  | 34189  | 48.693 | ng | # 96   |
| 6) Aniline                     | 6.89  | 93  | 56830  | 33.105 | ng | 92     |
| 8) 2-Chlorophenol              | 7.13  | 128 | 47238  | 47.100 | ng | 98     |
| 9) Benzaldehyde                | 6.70  | 77  | 29785  | 36.320 | ng | 89     |
| 10) Phenol                     | 6.78  | 94  | 70062  | 49.331 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.99  | 93  | 47837  | 42.947 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 7.59  | 146 | 49050  | 38.908 | ng | 92     |
| 13) 1,4-Dichlorobenzene        | 7.59  | 146 | 49050  | 37.627 | ng | 94     |
| 14) 1,2-Dichlorobenzene        | 7.90  | 146 | 49033  | 38.923 | ng | 97     |
| 15) Benzyl Alcohol             | 7.80  | 79  | 54708  | 42.313 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.09  | 45  | 92075  | 44.497 | ng | 97     |
| 17) 2-Methylphenol             | 8.02  | 107 | 46720  | 47.380 | ng | 95     |
| 18) Hexachloroethane           | 8.62  | 117 | 19690  | 38.692 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.36  | 70  | 46875  | 44.783 | ng | 89     |
| 20) 3+4-Methylphenols          | 8.35  | 107 | 63320  | 45.908 | ng | 94     |
| 22) Acetophenone               | 8.37  | 105 | 81247  | 37.627 | ng | # 93   |
| 24) Nitrobenzene               | 8.75  | 77  | 71218  | 39.935 | ng | 97     |
| 25) Isophorone                 | 9.27  | 82  | 128907 | 40.780 | ng | 99     |
| 26) 2-Nitrophenol              | 9.45  | 139 | 26888  | 39.896 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.53  | 122 | 49692  | 49.354 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.76  | 93  | 72427  | 39.112 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 9.99  | 162 | 54015  | 39.193 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.20 | 180 | 56844  | 34.167 | ng | 98     |
| 31) Naphthalene                | 10.38 | 128 | 151603 | 37.292 | ng | 99     |
| 32) Benzoic acid               | 9.53  | 122 | 48191  | 52.676 | ng | # 13   |
| 33) 4-Chloroaniline            | 10.50 | 127 | 43522  | 23.252 | ng | 96     |
| 34) Hexachlorobutadiene        | 10.68 | 225 | 37397  | 31.753 | ng | 97     |
| 35) Caprolactam                | 11.25 | 113 | 10703  | 21.386 | ng | # 90   |
| 36) 4-Chloro-3-methylphenol    | 11.65 | 107 | 64622  | 39.071 | ng | 93     |
| 37) 2-Methylnaphthalene        | 12.00 | 142 | 118791 | 36.665 | ng | 96     |
| 38) 1-Methylnaphthalene        | 12.23 | 142 | 113317 | 36.346 | ng | 96     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216 | 74750  | 35.454 | ng | 98     |

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 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

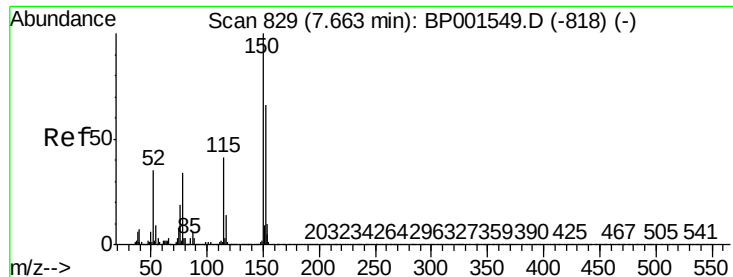
Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Jan 28 03:23:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 24 22:23:46 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.37 | 237  | 64156    | 59.988 | ng    | 95       |
| 43) 2,4,6-Trichlorophenol      | 12.63 | 196  | 44474    | 32.706 | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 12.71 | 196  | 49894    | 34.529 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 13.04 | 154  | 165446   | 37.512 | ng    | 100      |
| 47) 2-Chloronaphthalene        | 13.08 | 162  | 131987   | 36.007 | ng    | 98       |
| 48) 2-Nitroaniline             | 13.29 | 65   | 57811    | 40.142 | ng    | 94       |
| 49) Acenaphthylene             | 13.93 | 152  | 217084   | 38.400 | ng    | 98       |
| 50) Dimethylphthalate          | 13.68 | 163  | 180980   | 35.700 | ng    | 97       |
| 51) 2,6-Dinitrotoluene         | 13.79 | 165  | 39724    | 36.951 | ng #  | 86       |
| 52) Acenaphthene               | 14.27 | 154  | 125534   | 35.854 | ng    | 99       |
| 53) 3-Nitroaniline             | 14.12 | 138  | 28362    | 24.988 | ng    | 93       |
| 54) 2,4-Dinitrophenol          | 14.34 | 184  | 26726    | 44.215 | ng #  | 76       |
| 55) Dibenzofuran               | 14.62 | 168  | 216918   | 36.637 | ng    | 100      |
| 56) 4-Nitrophenol              | 14.46 | 139  | 56988    | 62.875 | ng    | 88       |
| 57) 2,4-Dinitrotoluene         | 14.59 | 165  | 56469    | 35.900 | ng    | 93       |
| 58) Fluorene                   | 15.27 | 166  | 176234   | 36.784 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 46283    | 31.019 | ng    | 96       |
| 60) Diethylphthalate           | 15.06 | 149  | 184175   | 35.323 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.27 | 204  | 97211    | 35.453 | ng    | 97       |
| 62) 4-Nitroaniline             | 15.30 | 138  | 38681    | 29.891 | ng    | 96       |
| 63) Azobenzene                 | 15.57 | 77   | 214605   | 41.192 | ng    | 93       |
| 65) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 29471    | 35.961 | ng    | 95       |
| 66) n-Nitrosodiphenylamine     | 15.49 | 169  | 155208   | 38.650 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.17 | 248  | 60989    | 35.665 | ng    | 96       |
| 68) Hexachlorobenzene          | 16.29 | 284  | 67181    | 33.814 | ng    | 98       |
| 69) Atrazine                   | 16.46 | 200  | 66026    | 44.768 | ng    | 99       |
| 70) Pentachlorophenol          | 16.64 | 266  | 49573    | 45.181 | ng    | 98       |
| 71) Phenanthrene               | 17.02 | 178  | 302656   | 36.715 | ng    | 99       |
| 72) Anthracene                 | 17.11 | 178  | 313061   | 39.010 | ng    | 99       |
| 73) Carbazole                  | 17.39 | 167  | 275031   | 36.504 | ng    | 99       |
| 74) Di-n-butylphthalate        | 17.97 | 149  | 322300   | 36.157 | ng    | 99       |
| 75) Fluoranthene               | 19.00 | 202  | 393536   | 36.281 | ng    | 99       |
| 77) Benzidine                  | 19.19 | 184  | 182118   | 50.991 | ng    | 98       |
| 78) Pyrene                     | 19.36 | 202  | 401462   | 34.940 | ng    | 98       |
| 80) Butylbenzylphthalate       | 20.26 | 149  | 151723   | 34.742 | ng    | 99       |
| 81) Benzo(a)anthracene         | 21.07 | 228  | 394720   | 36.234 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.01 | 252  | 119749   | 29.315 | ng    | 98       |
| 83) Chrysene                   | 21.12 | 228  | 380597   | 35.850 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.03 | 149  | 225160   | 37.610 | ng    | 98       |
| 85) Di-n-octyl phthalate       | 21.89 | 149  | 377241   | 39.519 | ng #  | 93       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.49 | 276  | 457332   | 36.801 | ng #  | 96       |
| 88) Benzo(b)fluoranthene       | 22.63 | 252  | 394226   | 35.947 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 22.63 | 252  | 394226   | 36.868 | ng    | 98       |
| 90) Benzo(a)pyrene             | 23.19 | 252  | 364584   | 35.013 | ng #  | 97       |
| 91) Dibenzo(a,h)anthracene     | 25.51 | 278  | 383635   | 35.708 | ng #  | 98       |
| 92) Benzo(g,h,i)perylene       | 26.17 | 276  | 382170   | 35.782 | ng #  | 96       |

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



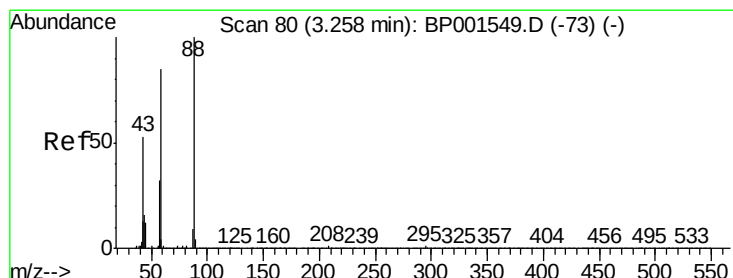
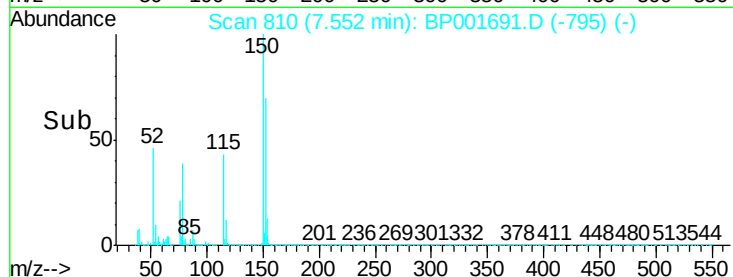
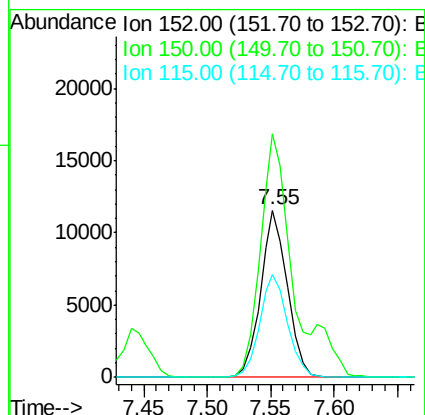
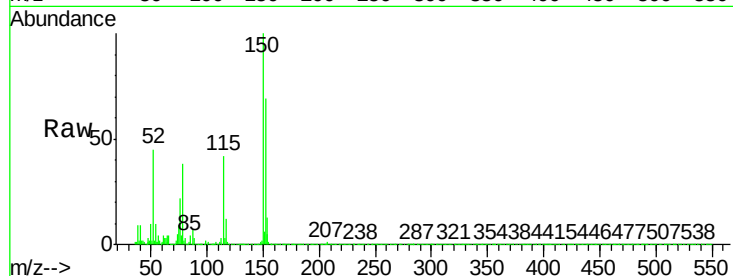


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.55 min Scan# 810  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Instrument :  
BNA\_P  
ClientSampleId :

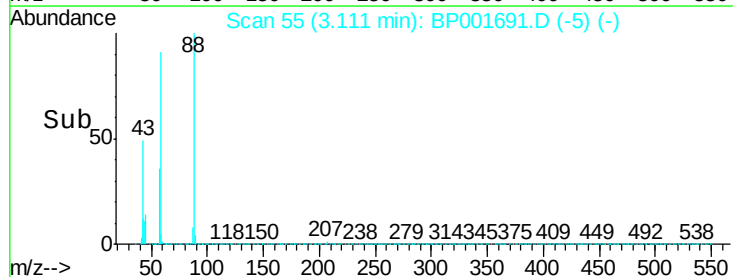
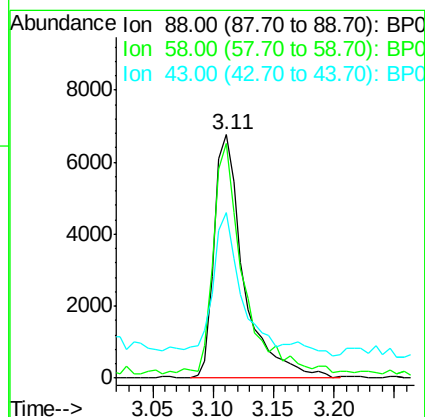
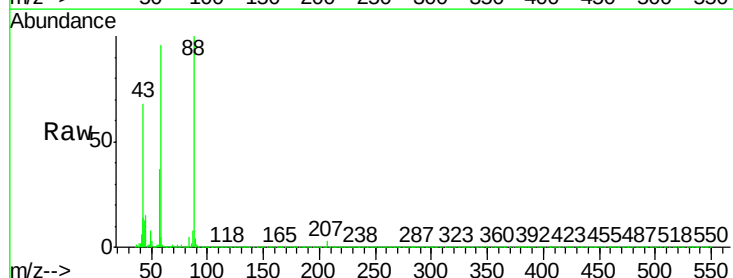
Tot Ion:152 Resp: 16828  
Ion Ratio Lower Upper  
152 100  
150 145.6 122.0 183.0  
115 61.4 50.7 76.1

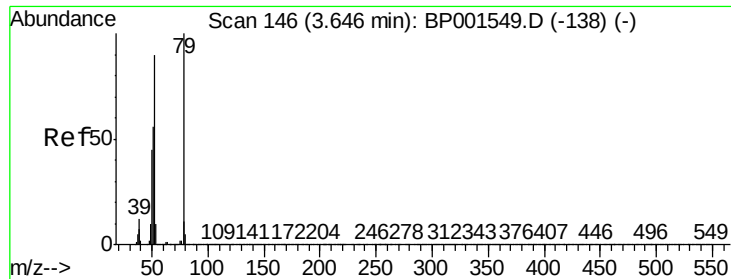


#2

1,4-Dioxane  
Concen: 41.848 ng  
RT: 3.11 min Scan# 55  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Tgt Ion: 88 Resp: 11473  
Ion Ratio Lower Upper  
88 100  
58 92.5 69.5 104.3  
43 50.1 40.3 60.5





#3

Pvridine

Concen: 34.284 ng

RT: 3.49 min Scan# 119

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

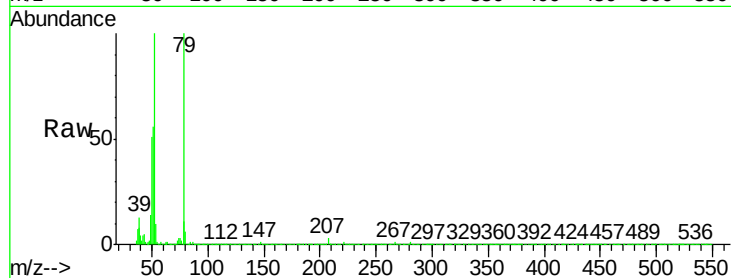
Tot Ion: 79 Resp: 33964

Ion Ratio Lower Upper

79 100

52 100.4 72.1 108.1

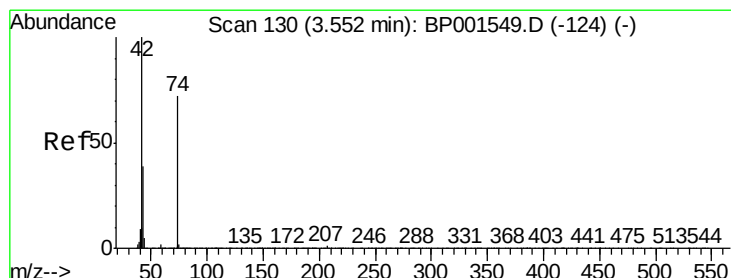
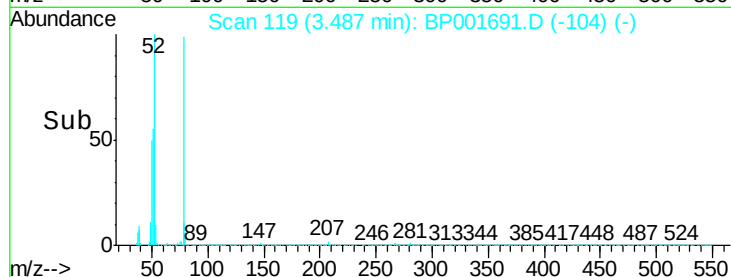
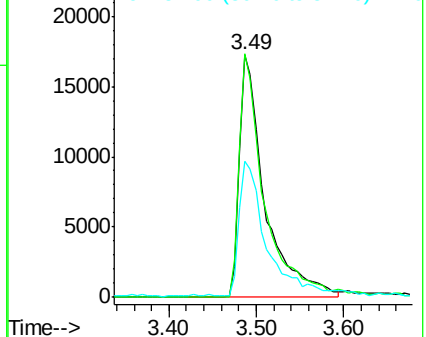
51 56.1 44.8 67.2



Abundance Ion 79.00 (78.70 to 79.70): BP0

Ion 52.00 (51.70 to 52.70): BP0

Ion 51.00 (50.70 to 51.70): BP0



#4

n-Nitrosodimethylamine

Concen: 48.693 ng

RT: 3.41 min Scan# 106

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

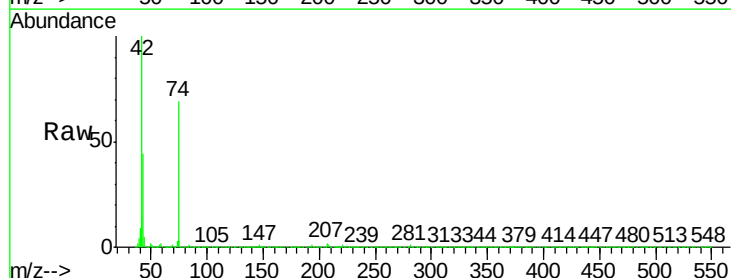
Tgt Ion: 42 Resp: 34189

Ion Ratio Lower Upper

42 100

74 69.2 58.0 87.0

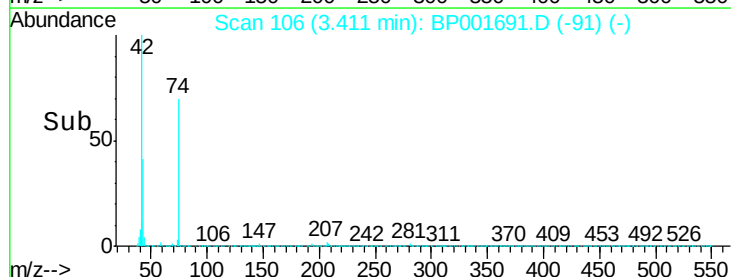
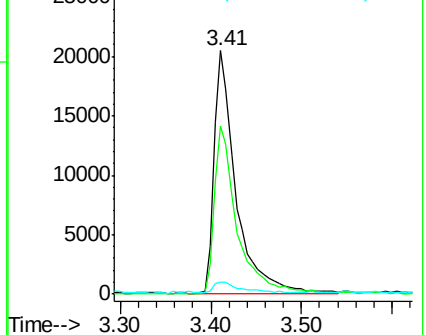
44 5.2 6.7 10.1#

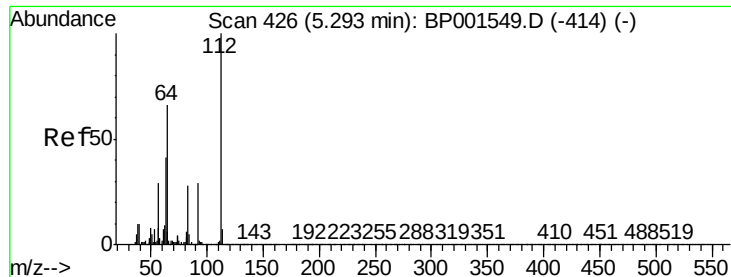


Abundance Ion 42.00 (41.70 to 42.70): BP0

Ion 74.00 (73.70 to 74.70): BP0

Ion 44.00 (43.70 to 44.70): BP0





#5

2-Fluorophenol

Concen: 140.004 ng

RT: 5.18 min Scan# 406

Delta R.T. -0.01 min

Lab File: BP001691.D

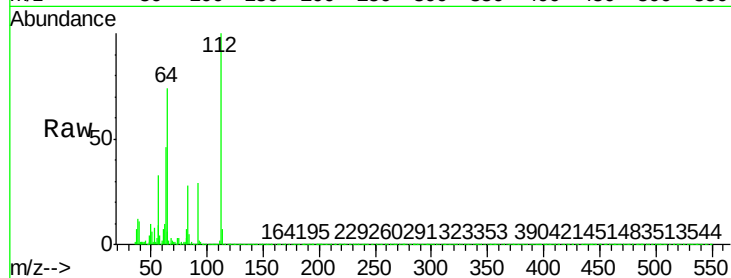
Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampled :

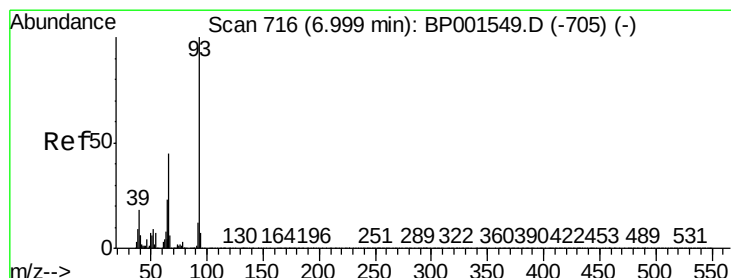
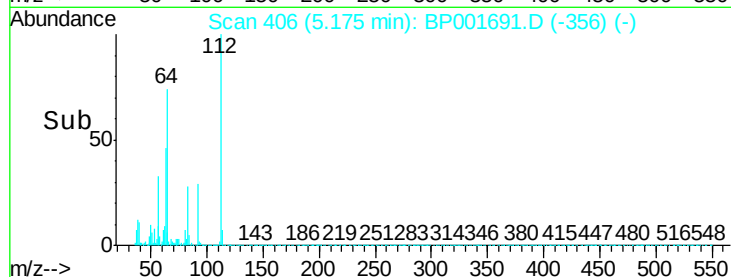
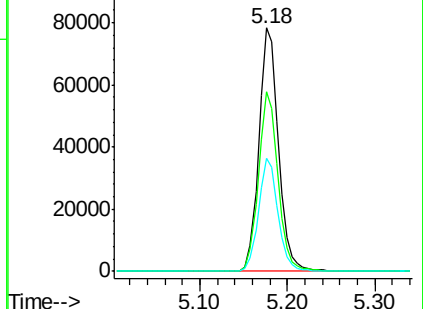
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 120271 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 73.6  | 52.8  | 79.2   |
| 63        | 46.4  | 33.1  | 49.7   |



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: 33.105 ng

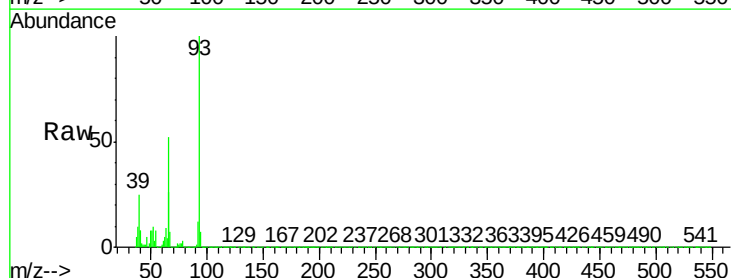
RT: 6.89 min Scan# 697

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

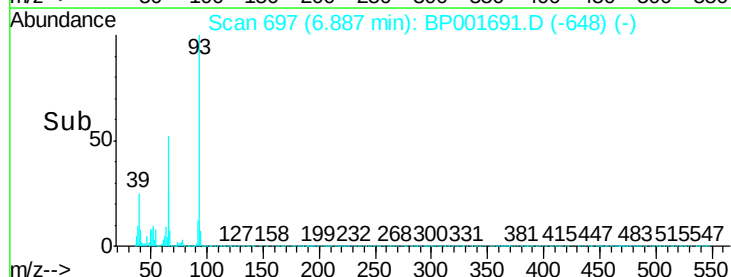
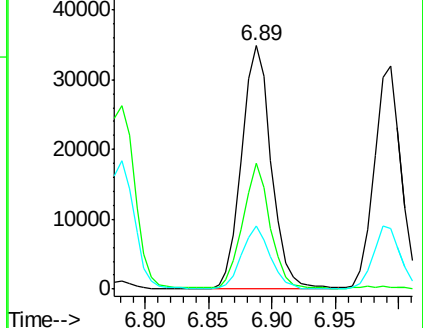
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 56830 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 51.7  | 36.4  | 54.6  |
| 65        | 26.1  | 18.5  | 27.7  |

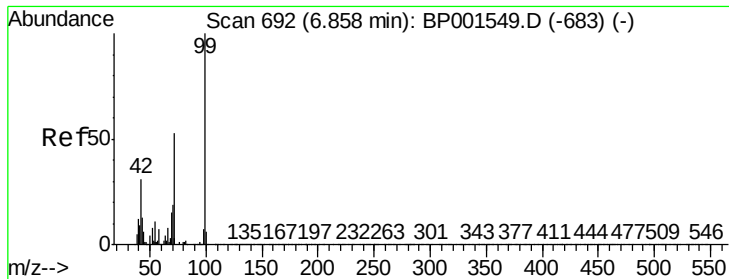


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 131.981 ng

RT: 6.76 min Scan# 675

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

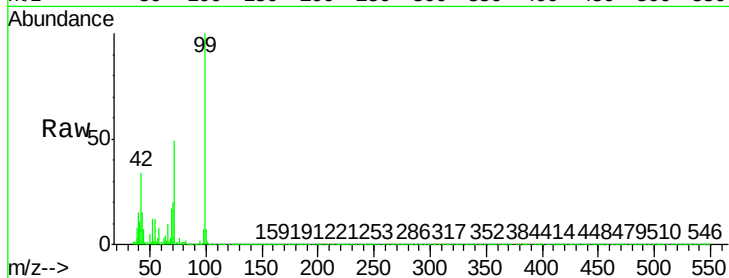
Tot Ion: 99 Resp: 181201

Ion Ratio Lower Upper

99 100

42 34.1 24.5 36.7

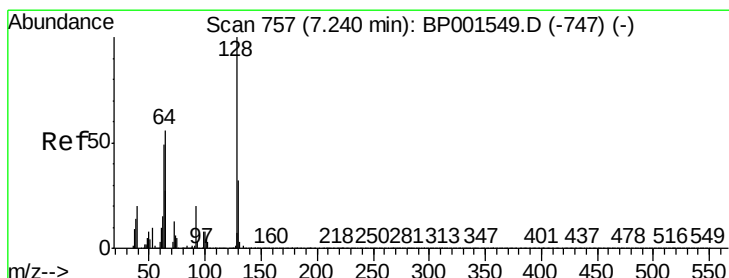
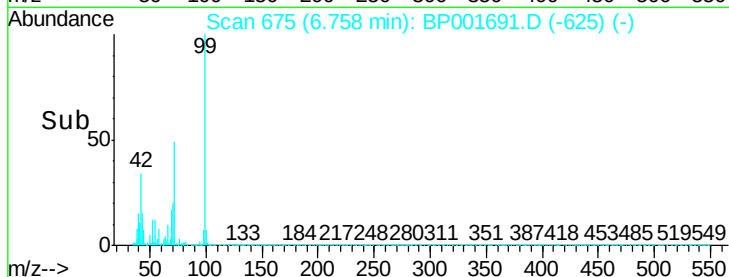
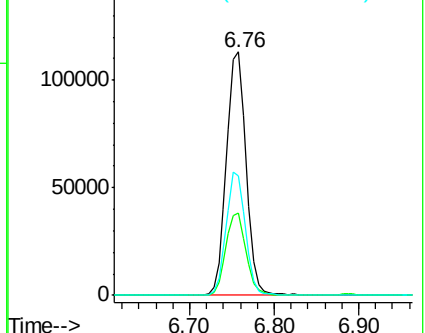
71 49.3 42.4 63.6



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#8

2-Chlorophenol

Concen: 47.100 ng

RT: 7.13 min Scan# 738

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

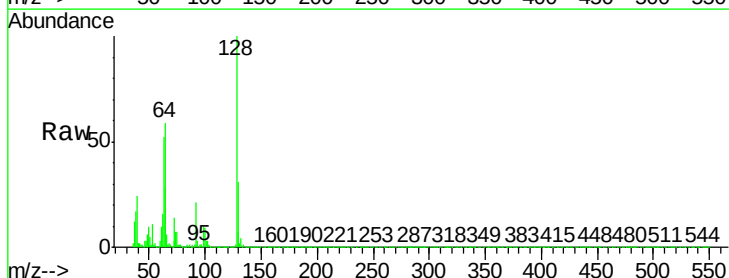
Tgt Ion: 128 Resp: 47238

Ion Ratio Lower Upper

128 100

130 30.8 11.8 51.8

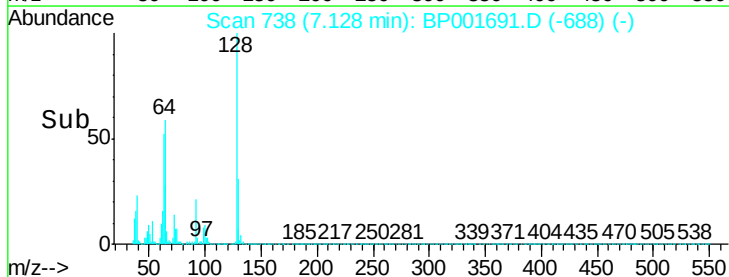
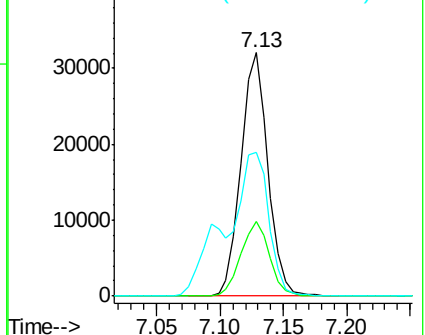
64 59.0 37.2 77.2



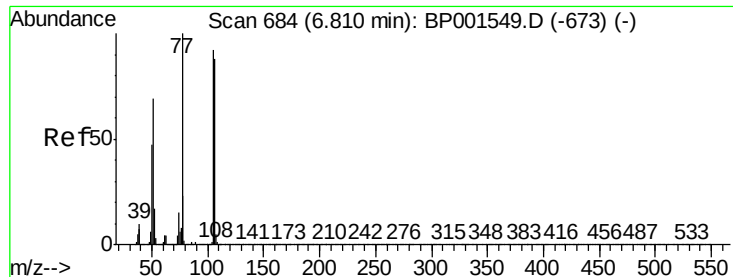
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BP0







#9

Benzaldehyde

Concen: 36.320 ng

RT: 6.70 min Scan# 665

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

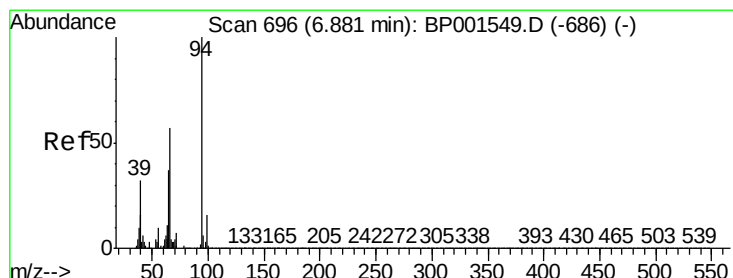
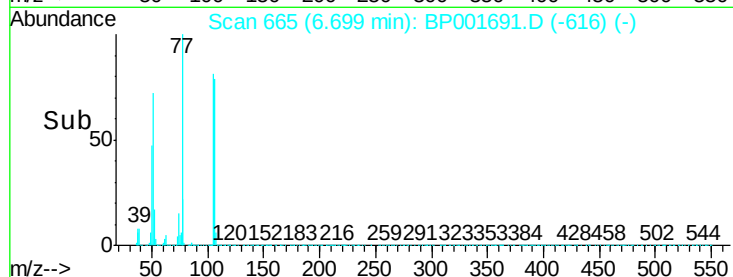
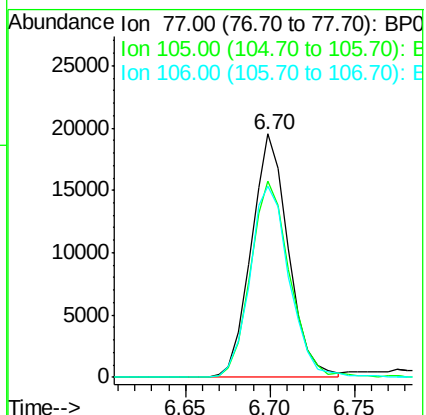
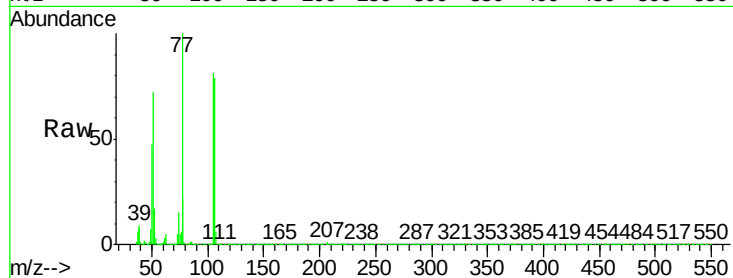
Tot Ion: 77 Resp: 29785

Ion Ratio Lower Upper

77 100

105 80.6 71.6 111.6

106 78.7 67.7 107.7



#10

Phenol

Concen: 49.331 ng

RT: 6.78 min Scan# 679

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

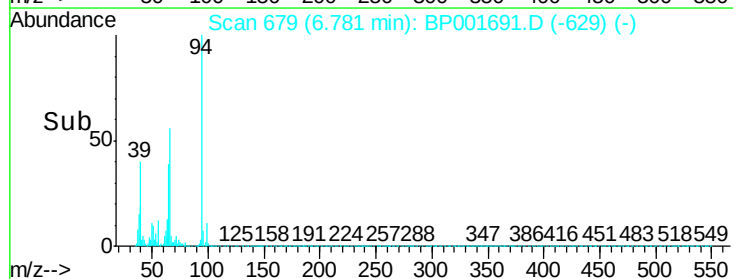
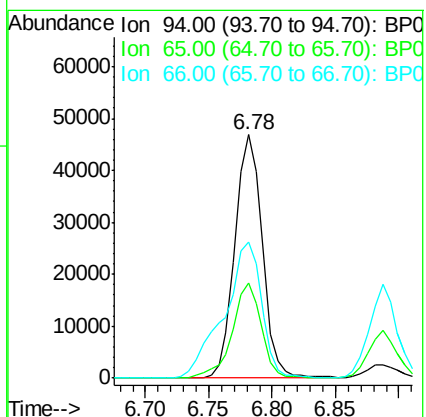
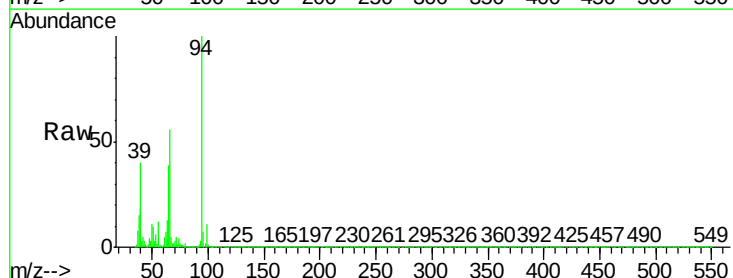
Tgt Ion: 94 Resp: 70062

Ion Ratio Lower Upper

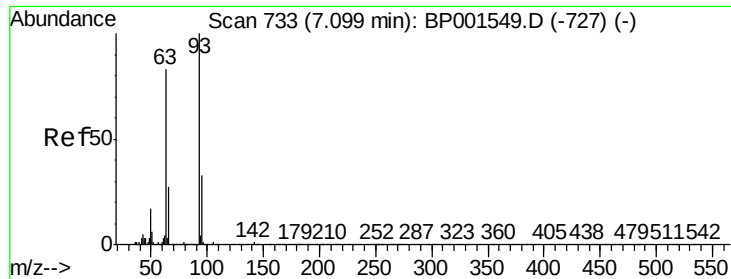
94 100

65 39.1 17.5 57.5

66 56.0 36.7 76.7



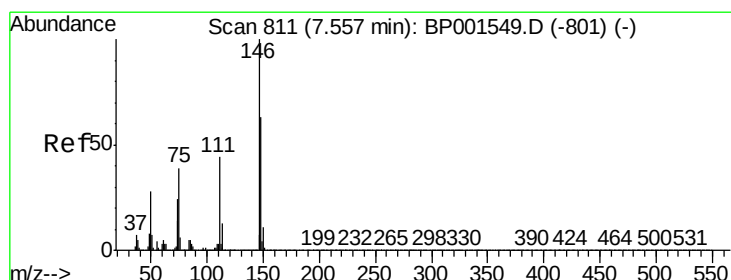
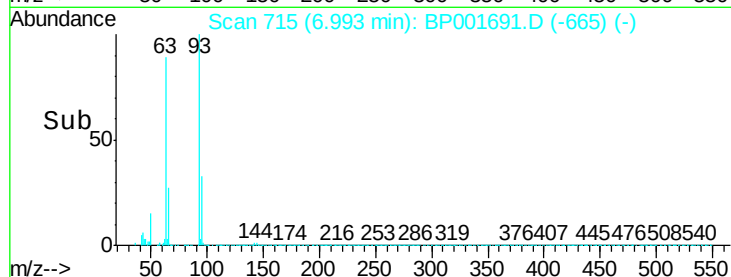
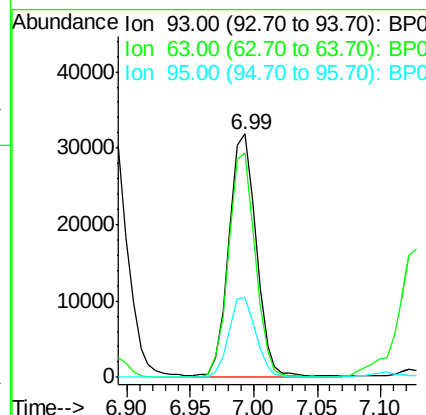
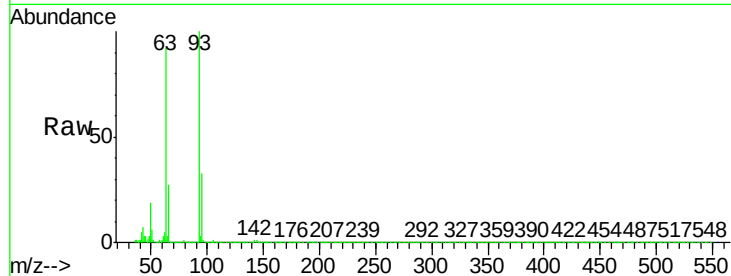




#11  
bis(2-Chloroethyl)ether  
Concen: 42.947 ng  
RT: 6.99 min Scan# 715  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

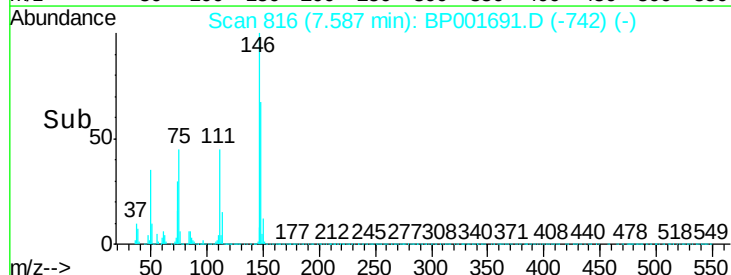
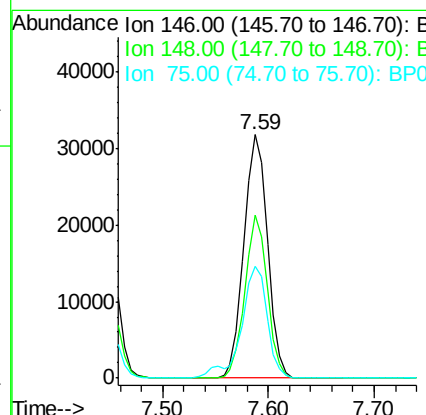
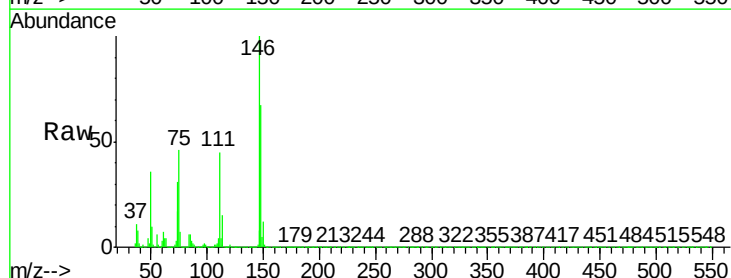
Instrument :  
BNA\_P  
ClientSampleId :

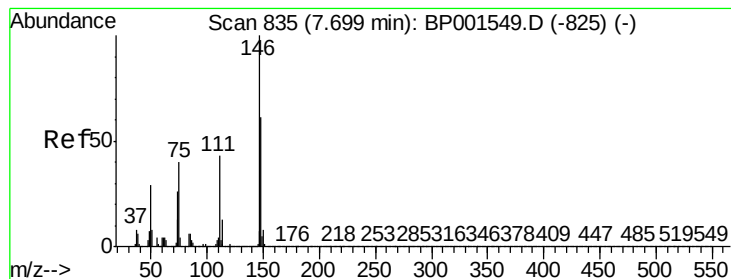
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 92.0  | 63.2  | 103.2 |
| 95      | 32.9  | 12.6  | 52.6  |



#12  
1,3-Dichlorobenzene  
Concen: 38.908 ng  
RT: 7.59 min Scan# 816  
Delta R.T. 0.14 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.8  | 50.2  | 75.2  |
| 75      | 45.7  | 31.1  | 46.7  |





#13

1,4-Dichlorobenzene

Concen: 37.627 ng

RT: 7.59 min Scan# 816

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

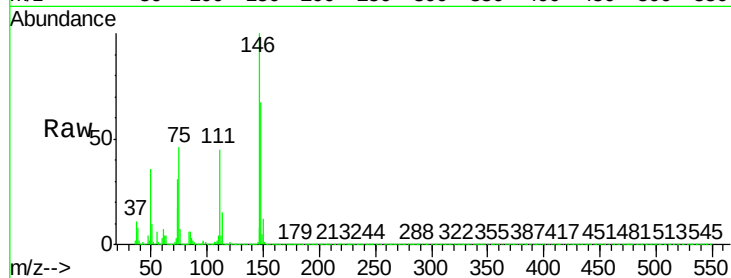
Tot Ion:146 Resp: 49050

Ion Ratio Lower Upper

146 100

148 66.8 48.6 73.0

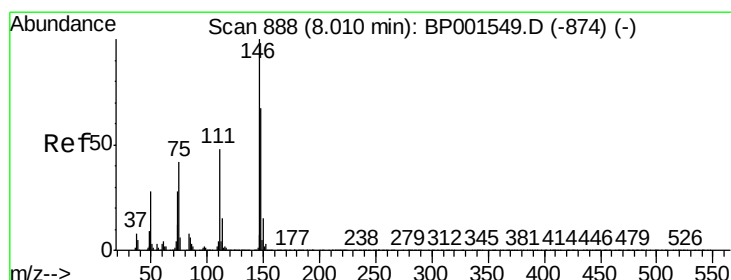
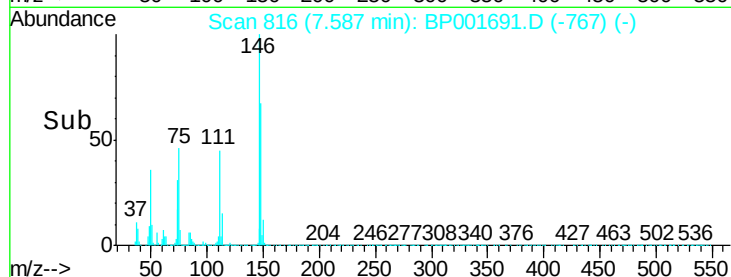
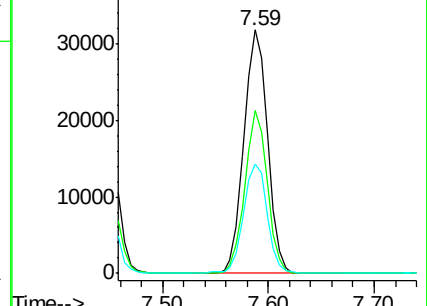
111 44.8 34.3 51.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 38.923 ng

RT: 7.90 min Scan# 869

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

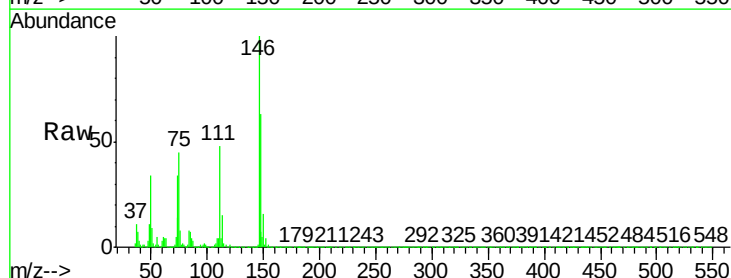
Tgt Ion:146 Resp: 49033

Ion Ratio Lower Upper

146 100

148 63.2 53.9 80.9

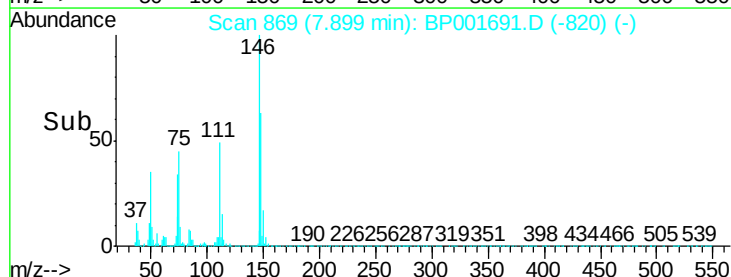
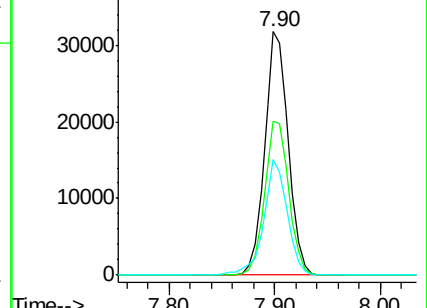
111 47.5 38.2 57.4

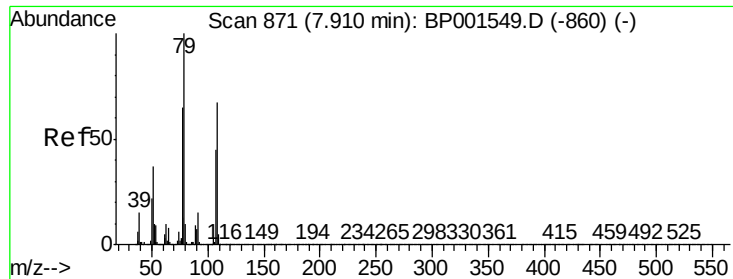


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

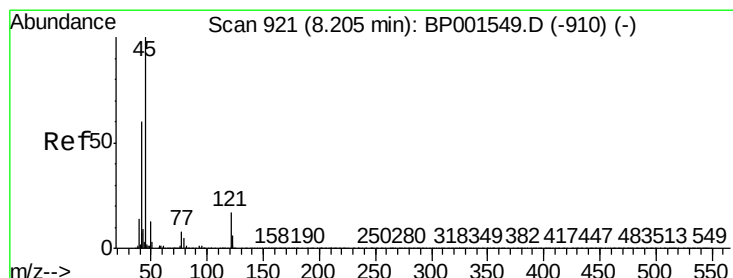
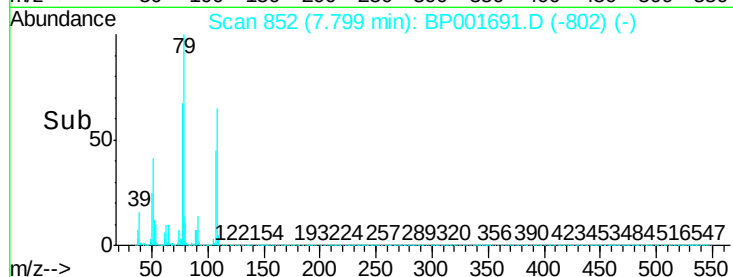
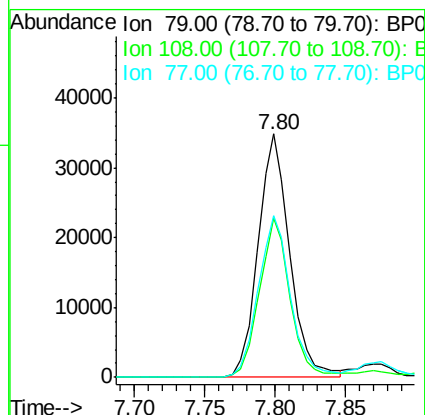
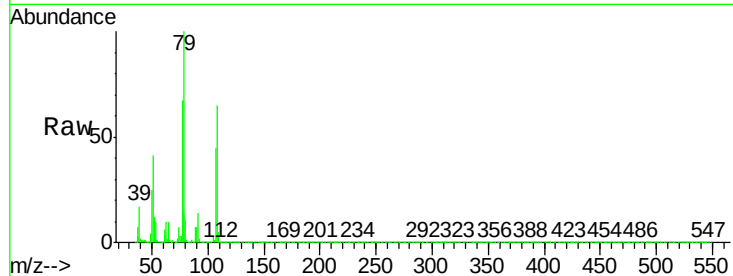




#15  
Benzyl Alcohol  
Concen: 42.313 ng  
RT: 7.80 min Scan# 852  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

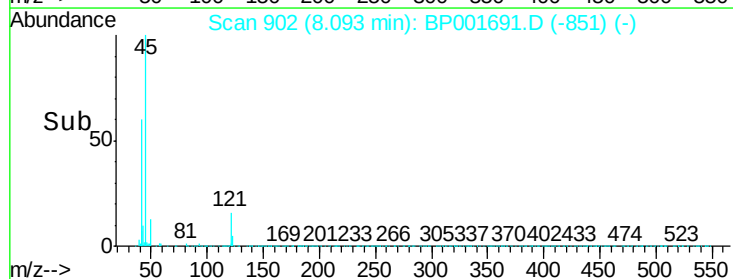
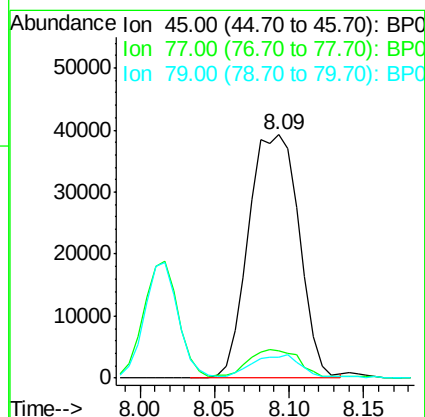
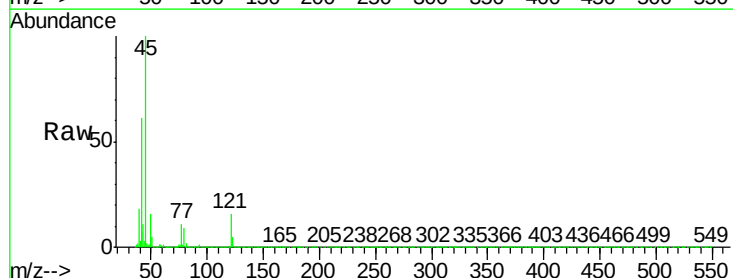
Instrument :  
BNA\_P  
ClientSampleId :

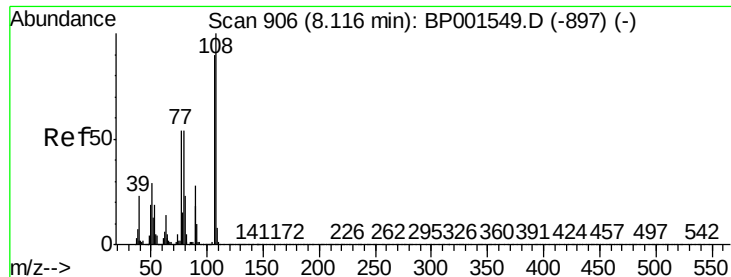
Tot Ion: 79 Resp: 54708  
Ion Ratio Lower Upper  
79 100  
108 65.4 53.2 79.8  
77 66.6 52.1 78.1



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.497 ng  
RT: 8.09 min Scan# 902  
Delta R.T. 0.00 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Tgt Ion: 45 Resp: 92075  
Ion Ratio Lower Upper  
45 100  
77 11.3 0.0 32.6  
79 8.5 0.0 29.3





#17

2-Methylphenol

Concen: 47.380 ng

RT: 8.02 min Scan# 889

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

Tot Ion:107 Resp: 46720

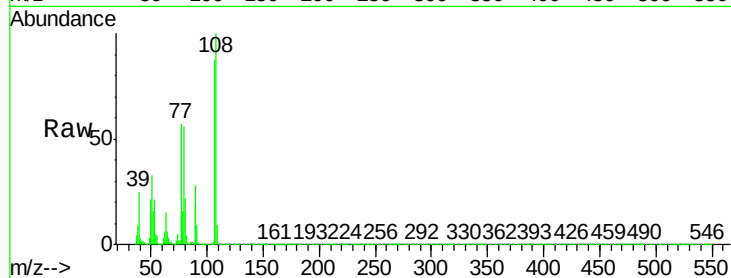
Ion Ratio Lower Upper

107 100

108 115.0 89.2 133.8

77 65.2 47.9 71.9

79 64.1 48.3 72.5

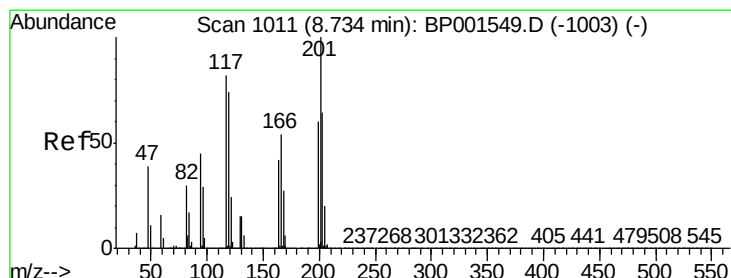
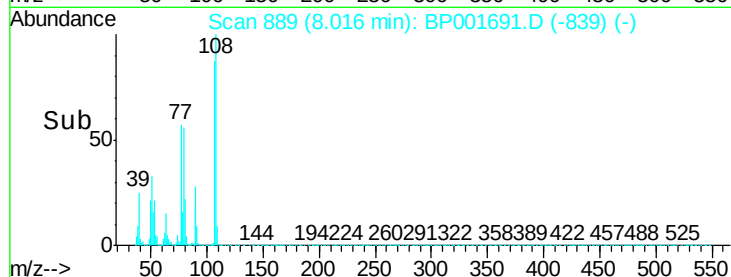
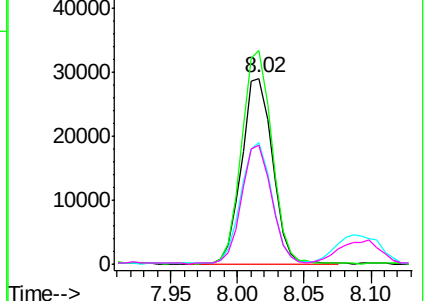


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0



#18

Hexachloroethane

Concen: 38.692 ng

RT: 8.62 min Scan# 992

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

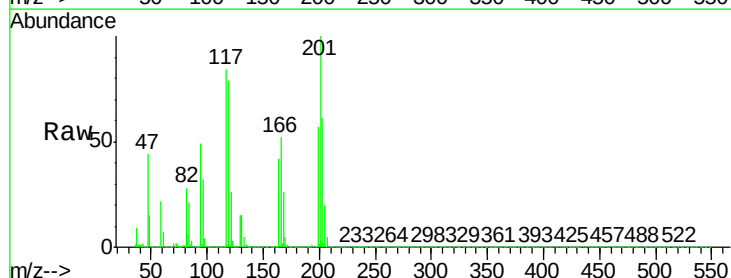
Tgt Ion:117 Resp: 19690

Ion Ratio Lower Upper

117 100

119 94.7 71.8 107.8

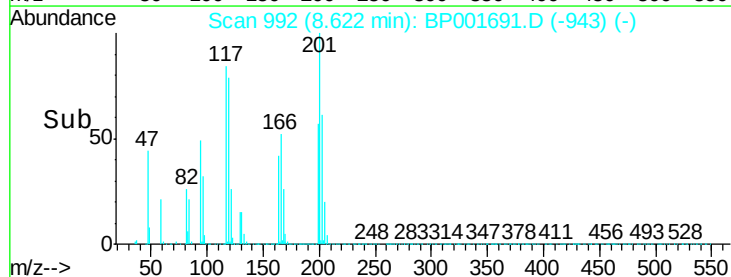
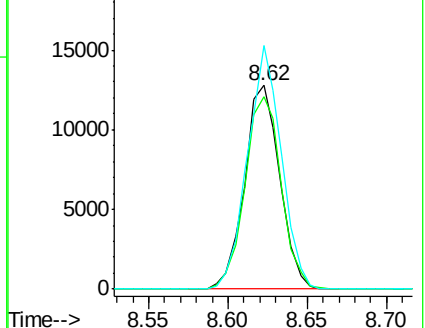
201 119.7 97.6 146.4

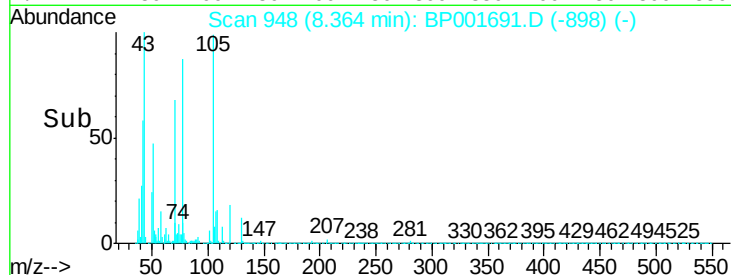
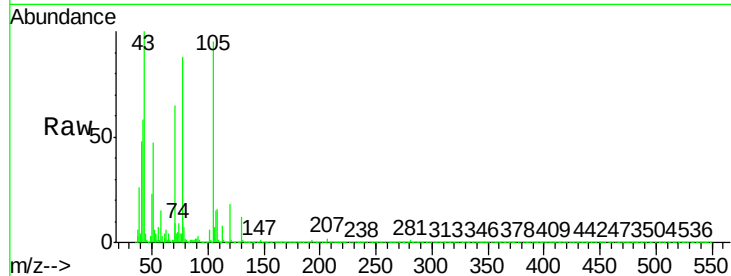
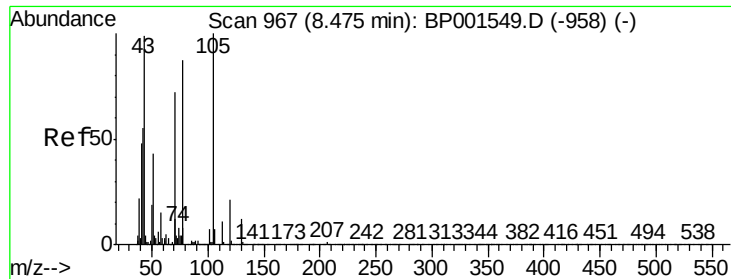


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

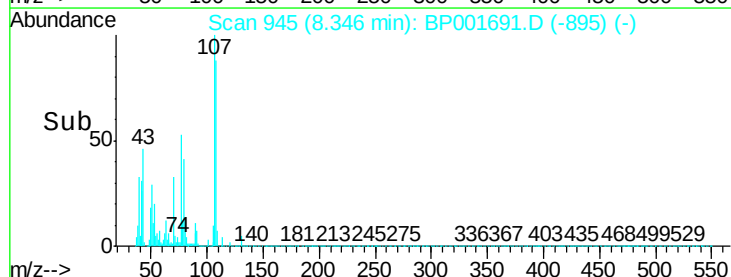
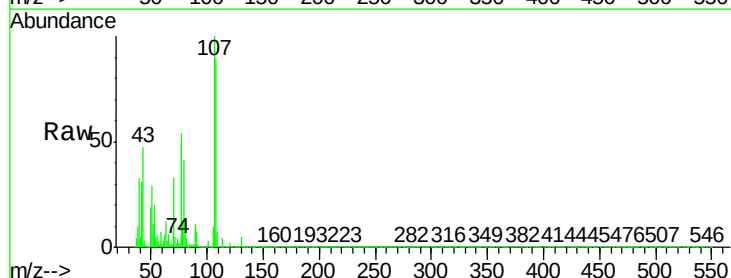
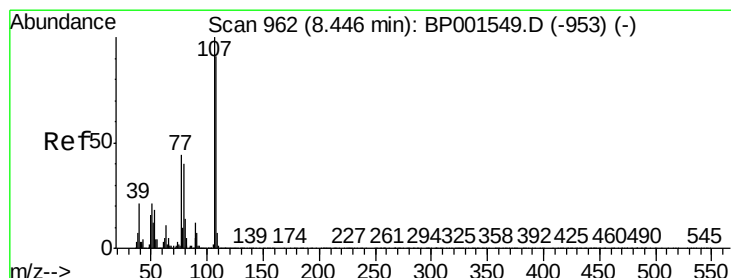
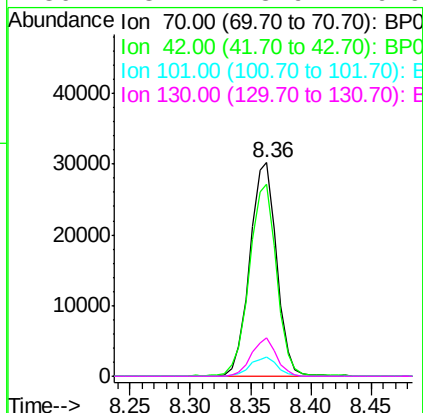




#19  
n-Nitroso-di-n-propylamine  
Concen: 44.783 ng  
RT: 8.36 min Scan# 948  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

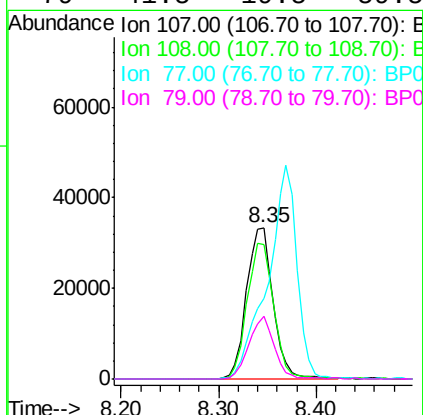
Instrument :  
BNA\_P  
ClientSampleId :

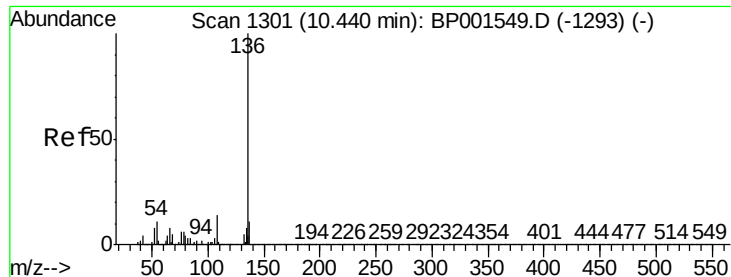
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 46875 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 90.0  | 62.3  | 93.5  |
| 101      | 9.3   | 7.3   | 10.9  |
| 130      | 18.1  | 13.9  | 20.9  |



#20  
3+4-Methylphenols  
Concen: 45.908 ng  
RT: 8.35 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 63320 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 88.6  | 71.2  | 111.2 |
| 77       | 53.6  | 24.4  | 64.4  |
| 79       | 41.5  | 19.5  | 59.5  |

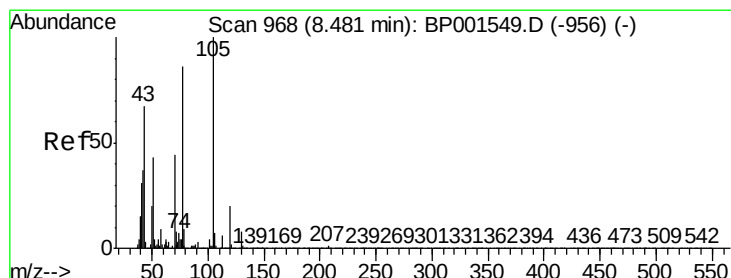
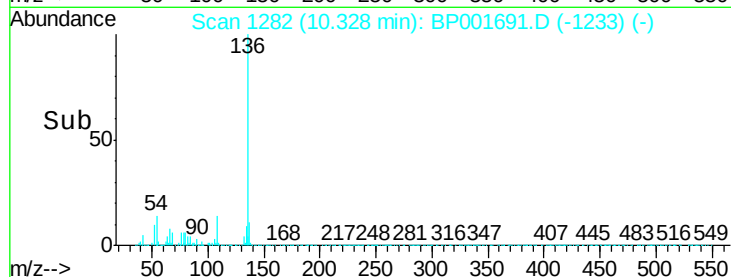
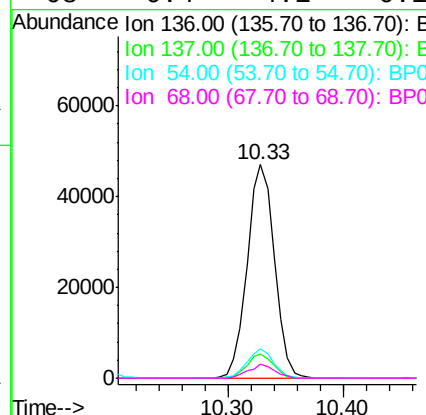
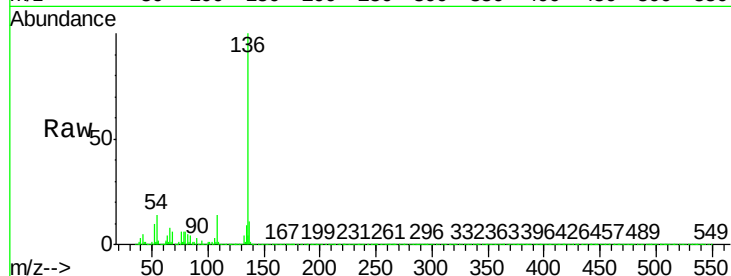




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.33 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

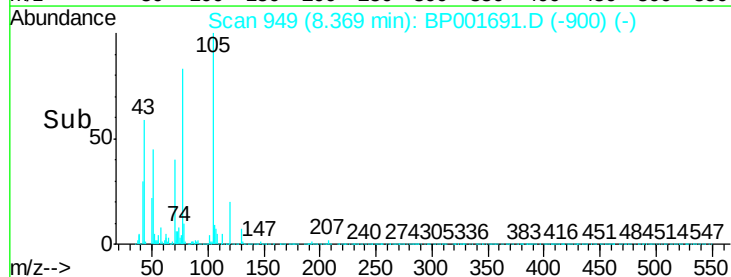
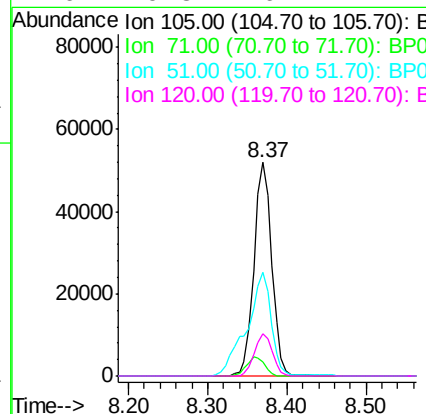
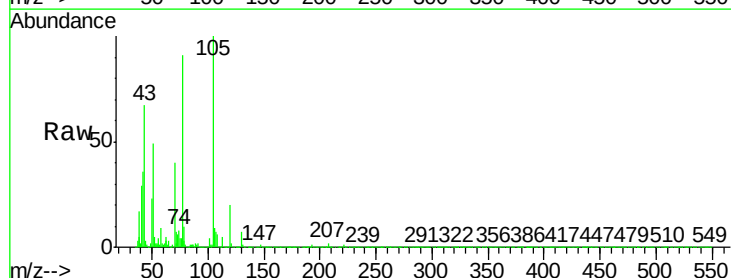
Instrument :  
BNA\_P  
ClientSampleId :

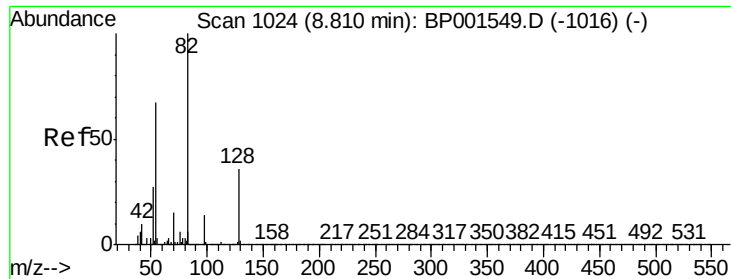
| Tot Ion:136 | Resp: | 77028       |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.2  | 8.6 12.8    |
| 54          | 13.9  | 9.2 13.8#   |
| 68          | 6.4   | 4.1 6.1#    |



#22  
Acetophenone  
Concen: 37.627 ng  
RT: 8.37 min Scan# 949  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

| Tgt Ion:105 | Resp: | 81247       |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 71          | 6.5   | 6.6 10.0#   |
| 51          | 48.7  | 34.1 51.1   |
| 120         | 19.8  | 16.1 24.1   |

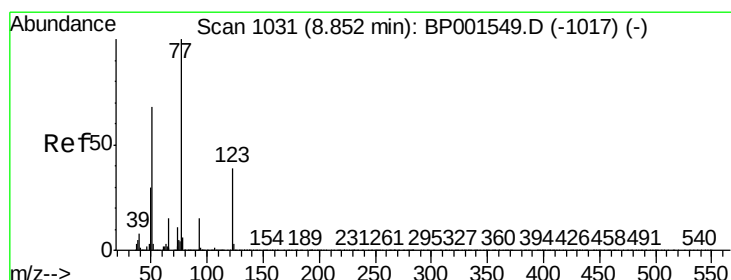
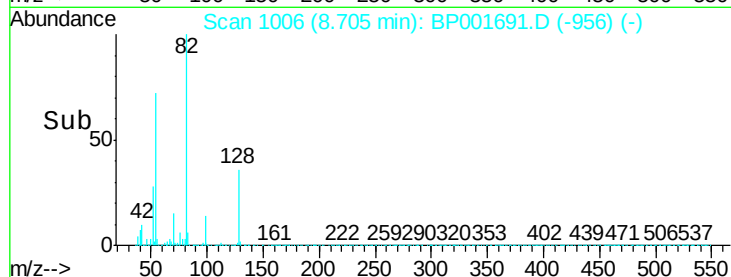
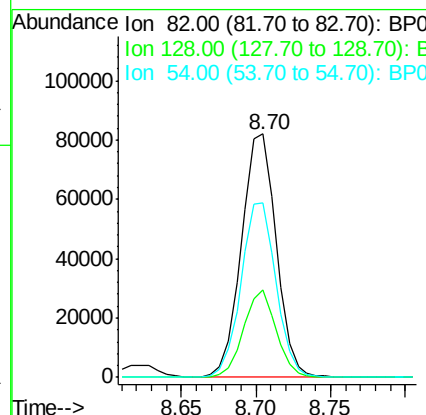
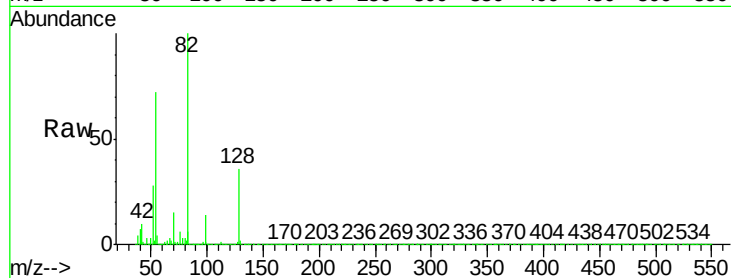




#23  
 Nitrobenzene-d5  
 Concen: 75.263 ng  
 RT: 8.70 min Scan# 1006  
 Delta R.T. -0.01 min  
 Lab File: BP001691.D  
 Acq: 27 Jan 2020 15:16

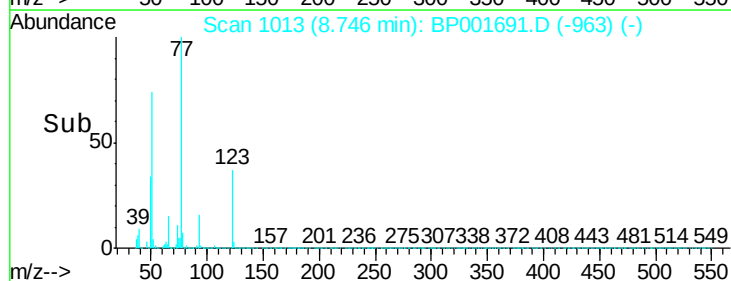
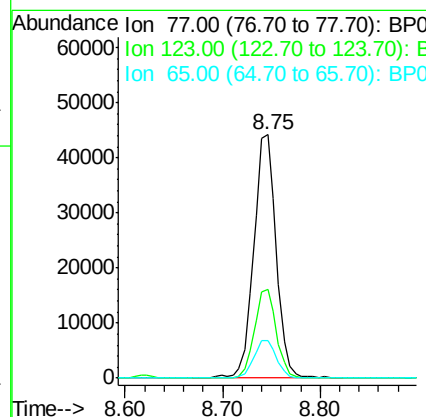
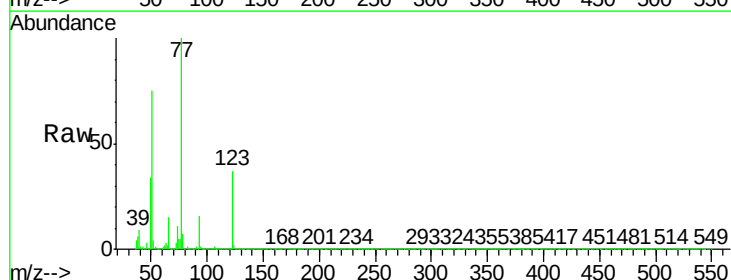
Instrument :  
 BNA\_P  
 ClientSampleId :

| Tot Ion   | 82    | Resp  | 132671 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.9  | 28.4  | 42.6   |
| 54        | 71.8  | 53.4  | 80.2   |

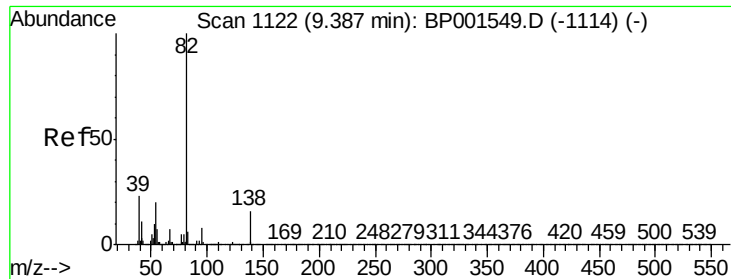


#24  
 Nitrobenzene  
 Concen: 39.935 ng  
 RT: 8.75 min Scan# 1013  
 Delta R.T. -0.01 min  
 Lab File: BP001691.D  
 Acq: 27 Jan 2020 15:16

| Tgt Ion   | 77    | Resp  | 71218 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 123       | 36.7  | 31.1  | 46.7  |
| 65        | 15.4  | 12.4  | 18.6  |







#25

Isophorone

Concen: 40.780 ng

RT: 9.27 min Scan# 1102

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

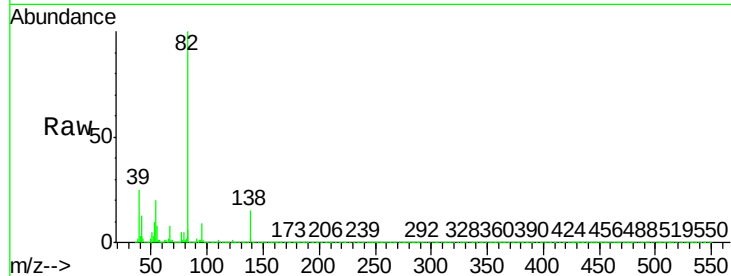
Tot Ion: 82 Resp: 128907

Ion Ratio Lower Upper

82 100

95 8.8 6.7 10.1

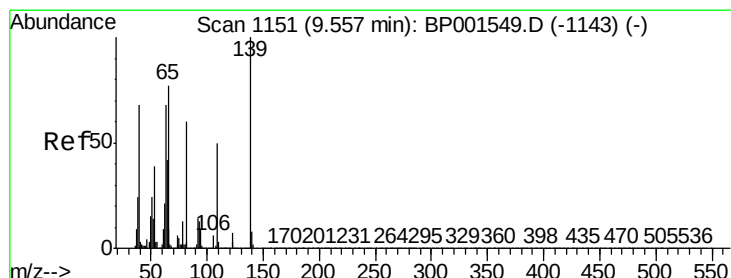
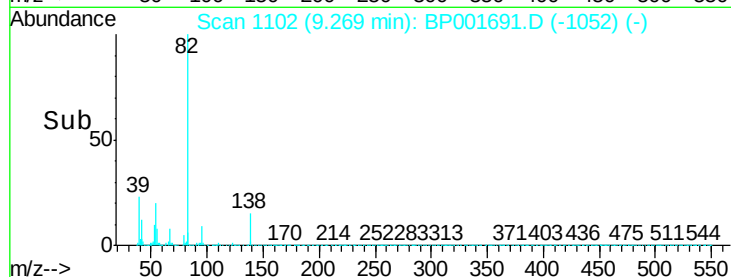
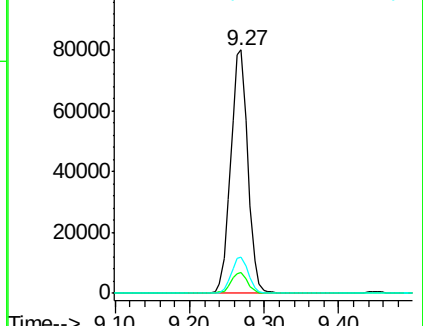
138 15.1 12.5 18.7



Abundance Ion 82.00 (81.70 to 82.70): BP001691.D (-1102) (-)

Ion 95.00 (94.70 to 95.70): BP001691.D (-1102) (-)

Ion 138.00 (137.70 to 138.70): BP001691.D (-1102) (-)



#26

2-Nitrophenol

Concen: 39.896 ng

RT: 9.45 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

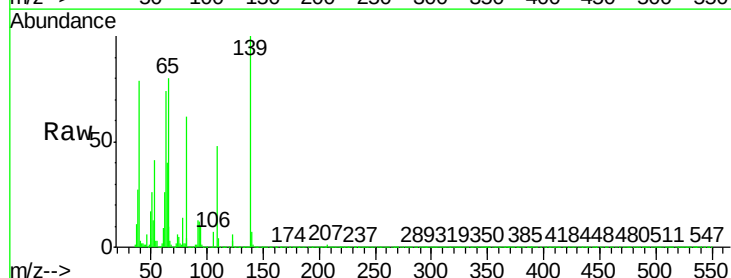
Tgt Ion: 139 Resp: 26888

Ion Ratio Lower Upper

139 100

109 48.1 39.6 59.4

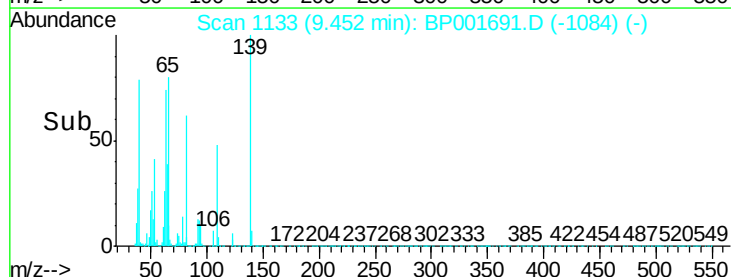
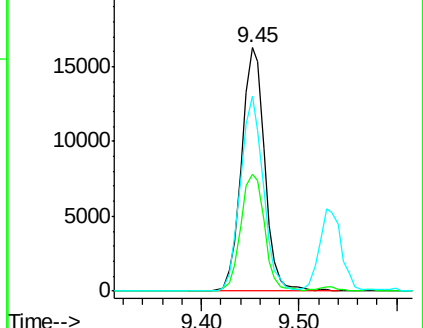
65 80.2 61.3 91.9

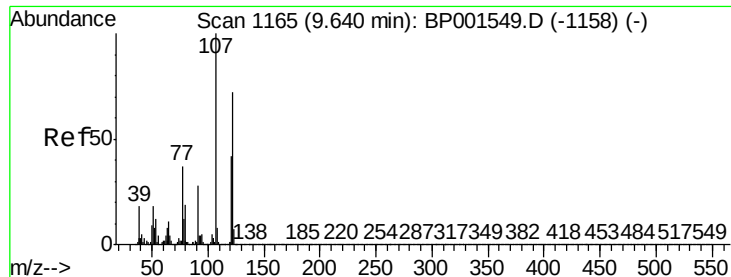


Abundance Ion 139.00 (138.70 to 139.70): BP001691.D (-1133) (-)

Ion 109.00 (108.70 to 109.70): BP001691.D (-1133) (-)

Ion 65.00 (64.70 to 65.70): BP001691.D (-1133) (-)

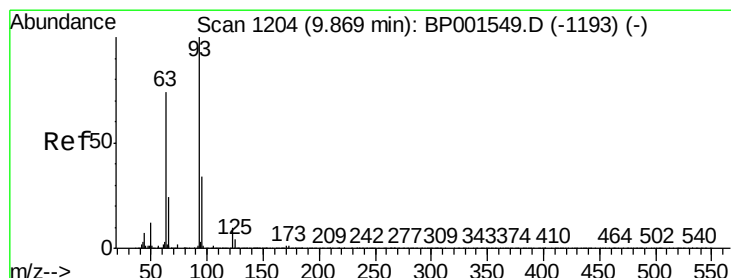
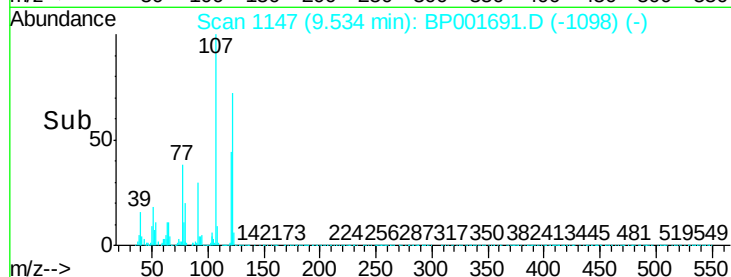
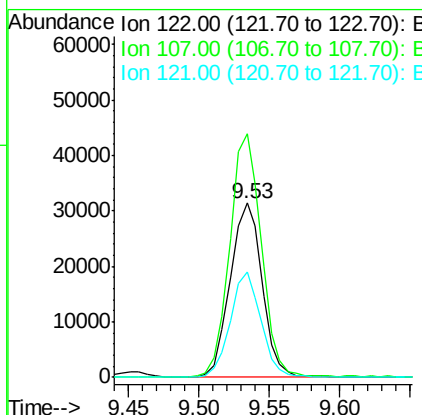
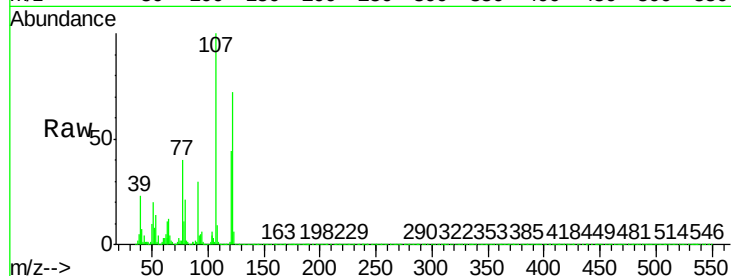




#27  
2,4-Dimethylphenol  
Concen: 49.354 ng  
RT: 9.53 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

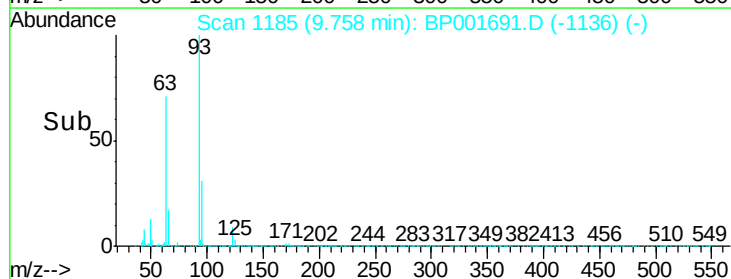
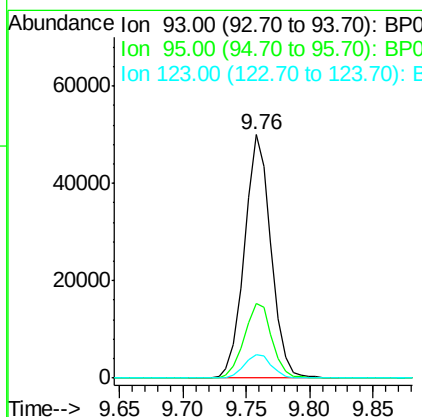
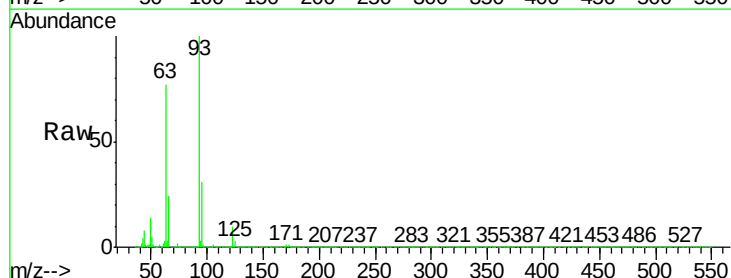
Instrument :  
BNA\_P  
ClientSampled :

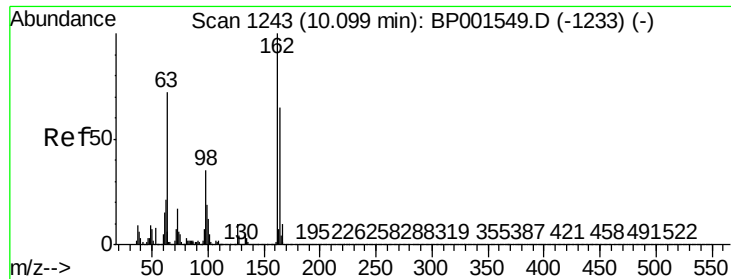
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 139.7 | 111.8 | 167.6 |
| 121     | 60.8  | 47.4  | 71.0  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 39.112 ng  
RT: 9.76 min Scan# 1185  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 30.9  | 26.9  | 40.3  |
| 123     | 9.6   | 8.0   | 12.0  |

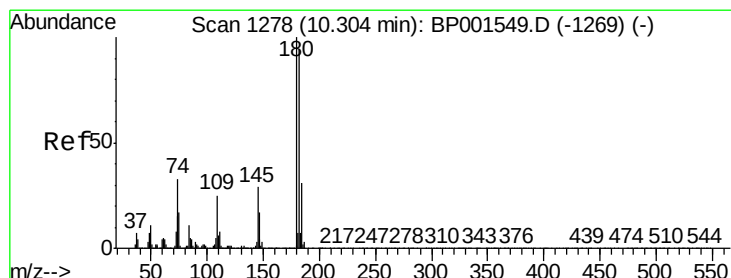
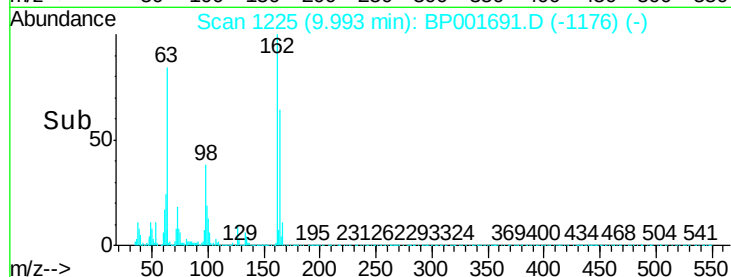
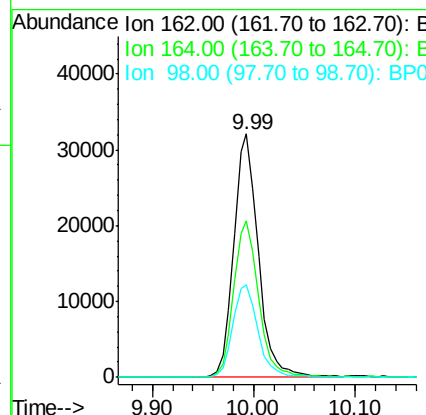
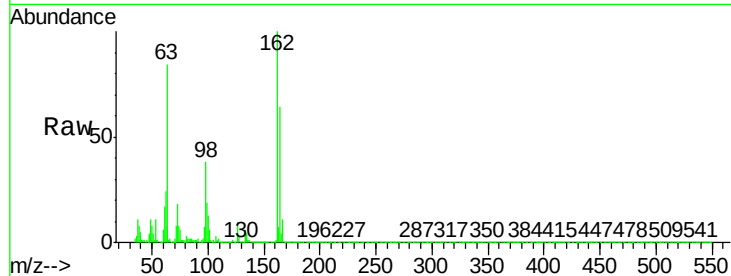




#29  
 2,4-Dichlorophenol  
 Concen: 39.193 ng  
 RT: 9.99 min Scan# 1225  
 Delta R.T. -0.01 min  
 Lab File: BP001691.D  
 Acq: 27 Jan 2020 15:16

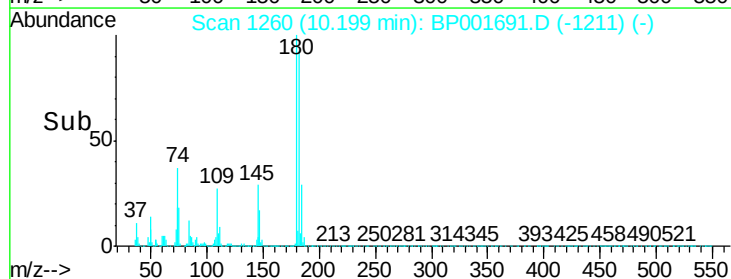
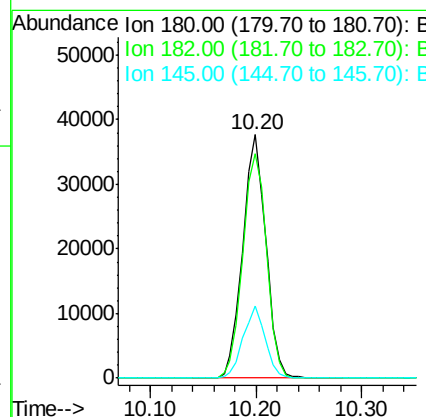
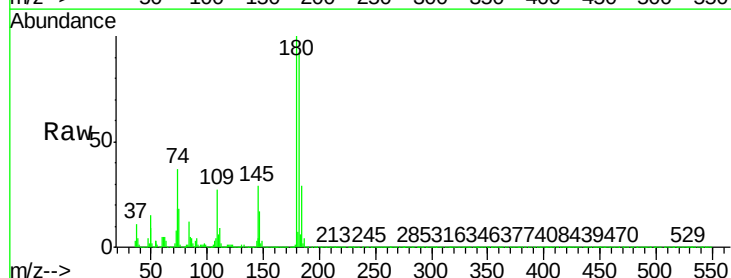
Instrument :  
 BNA\_P  
 ClientSampleId :

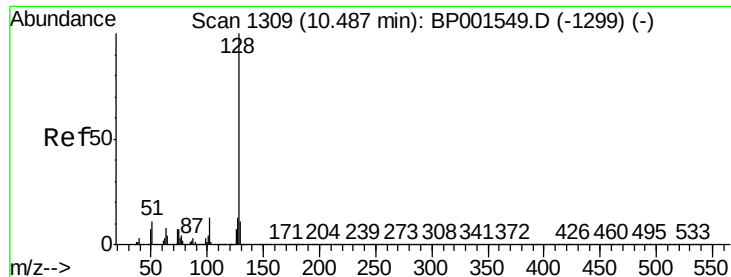
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.1  | 44.9  | 84.9  |
| 98      | 38.2  | 14.9  | 54.9  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 34.167 ng  
 RT: 10.20 min Scan# 1260  
 Delta R.T. -0.01 min  
 Lab File: BP001691.D  
 Acq: 27 Jan 2020 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.0  | 75.2  | 112.8 |
| 145     | 29.4  | 22.9  | 34.3  |

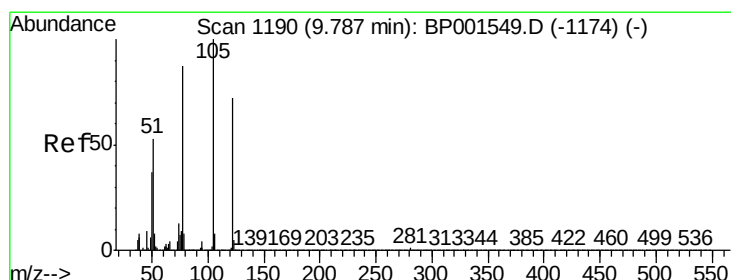
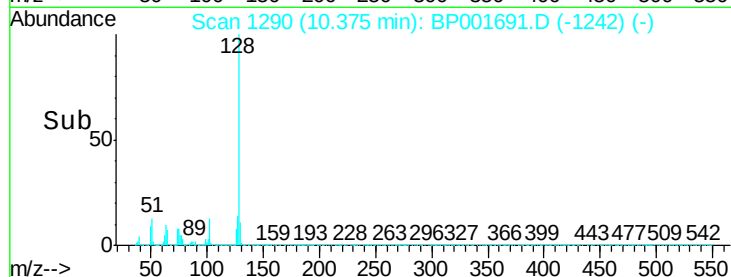
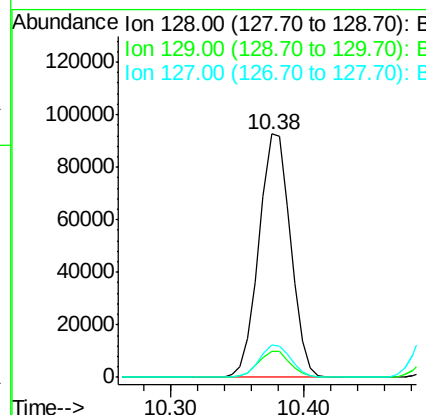
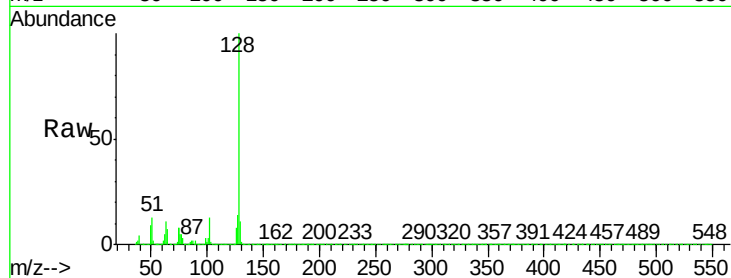




#31  
Naphthalene  
Concen: 37.292 ng  
RT: 10.38 min Scan# 1290  
Delta R.T. -0.02 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

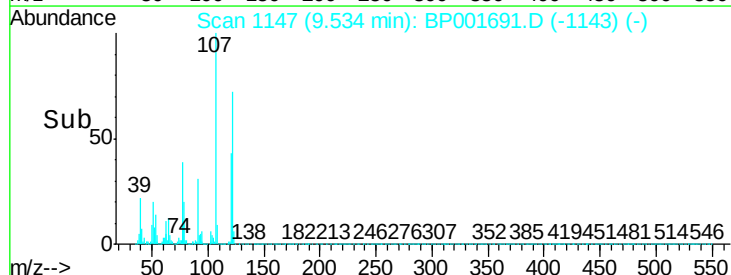
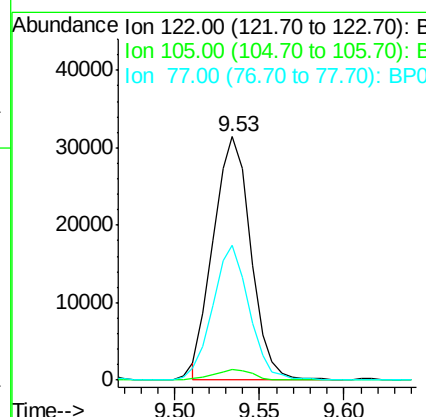
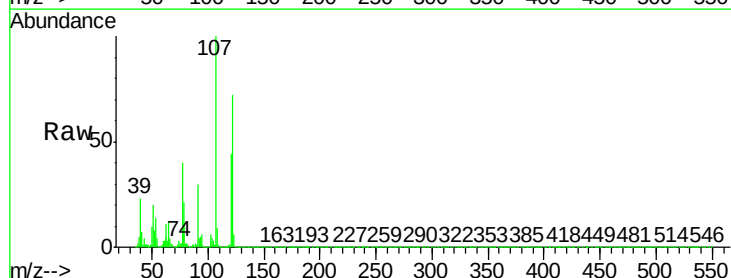
Instrument :  
BNA\_P  
ClientSampleId :

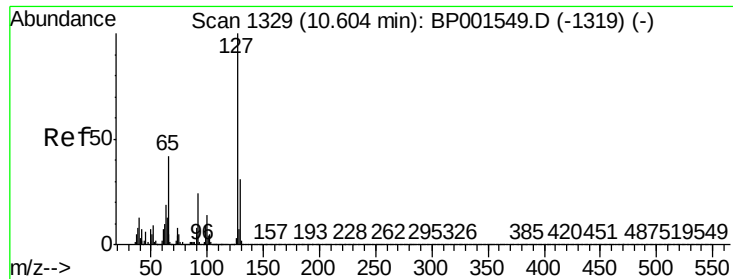
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.5  | 8.9   | 13.3  |
| 127     | 13.5  | 10.6  | 16.0  |



#32  
Benzoic acid  
Concen: 52.676 ng  
RT: 9.53 min Scan# 1147  
Delta R.T. -0.28 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 4.4   | 119.5 | 159.5# |
| 77      | 55.6  | 102.8 | 142.8# |

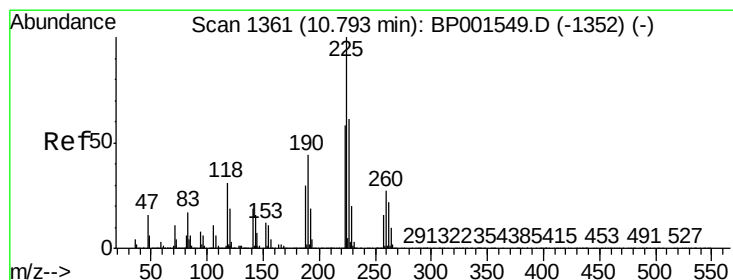
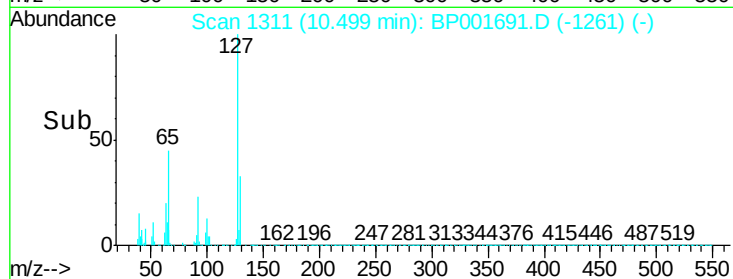
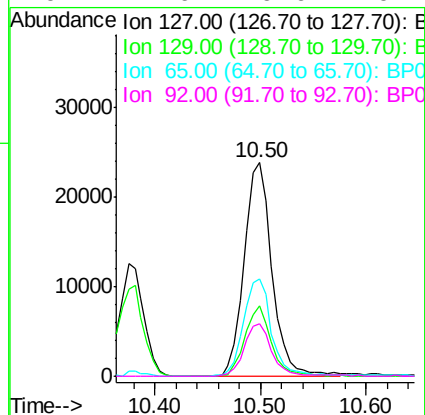
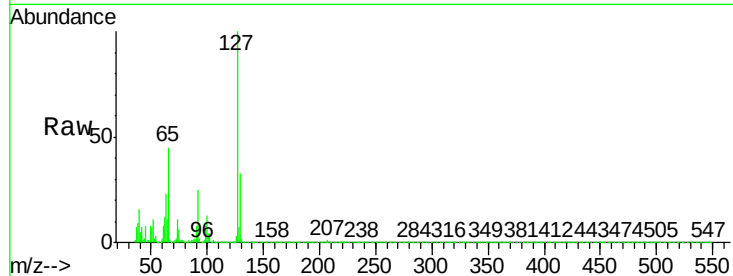




#33  
4-Chloroaniline  
Concen: 23.252 ng  
RT: 10.50 min Scan# 1311  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

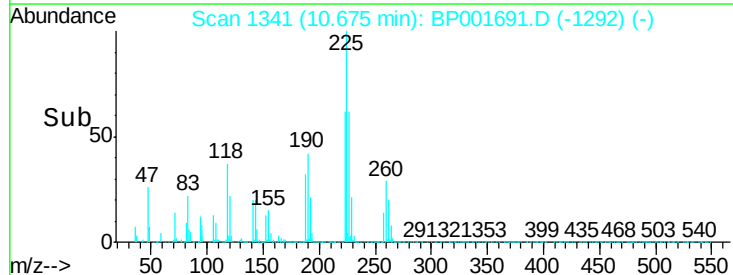
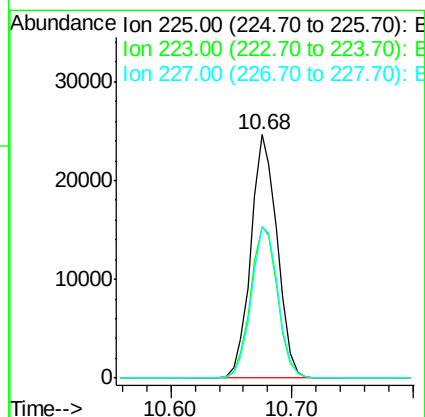
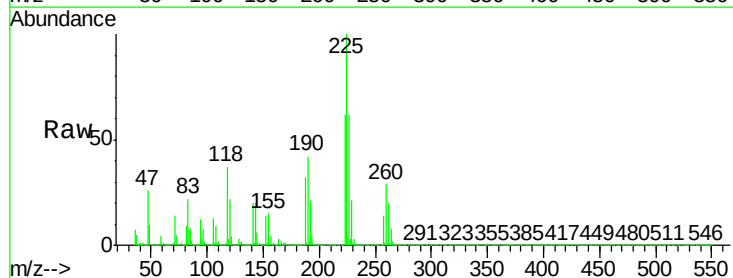
Instrument :  
BNA\_P  
ClientSampleId :

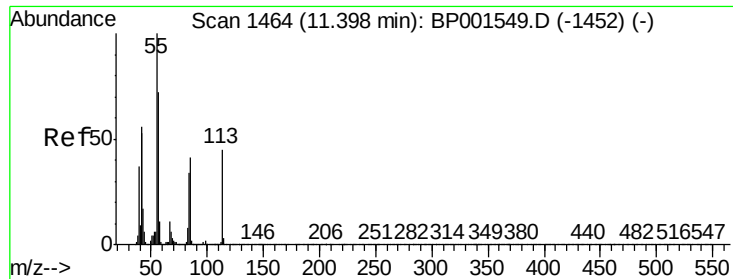
| Tot Ion: | 127   | Resp: | 43522 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 33.0  | 24.9  | 37.3  |
| 65       | 45.5  | 33.3  | 49.9  |
| 92       | 24.6  | 19.6  | 29.4  |



#34  
Hexachlorobutadiene  
Concen: 31.753 ng  
RT: 10.68 min Scan# 1341  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

| Tgt Ion: | 225   | Resp: | 37397 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.3  | 46.5  | 69.7  |
| 227      | 62.0  | 48.8  | 73.2  |

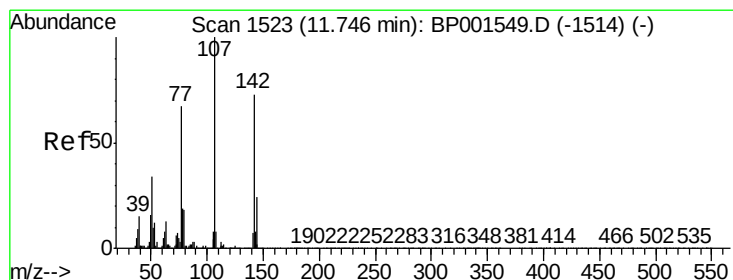
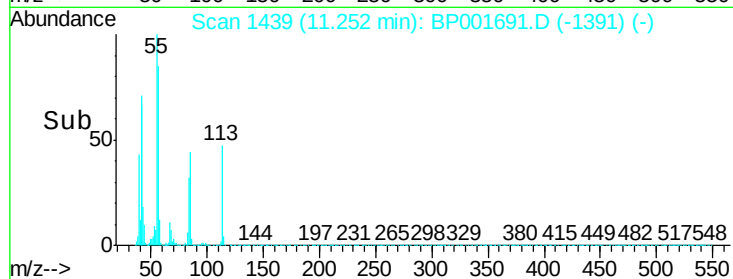
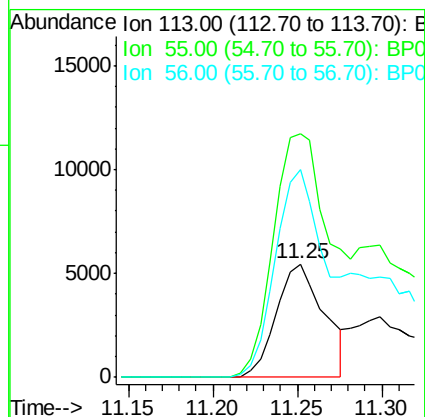
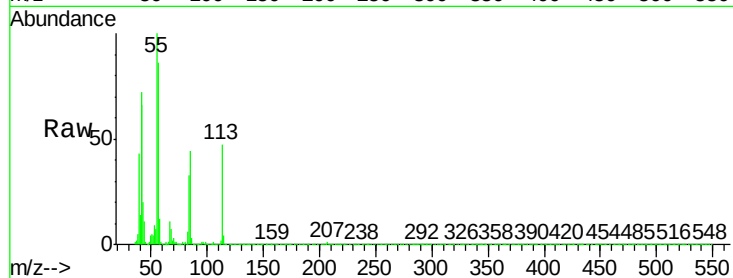




#35  
Caprolactam  
Concen: 21.386 ng  
RT: 11.25 min Scan# 1439  
Delta R.T. -0.02 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

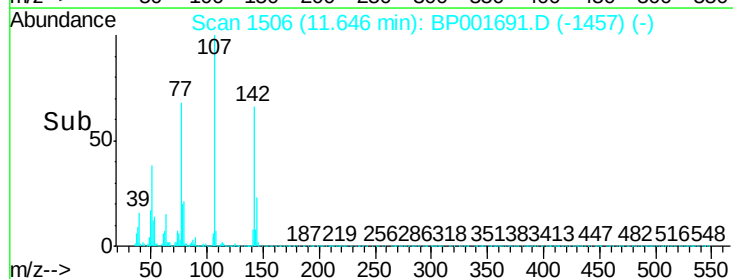
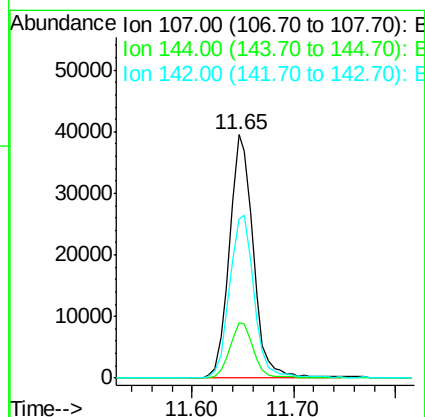
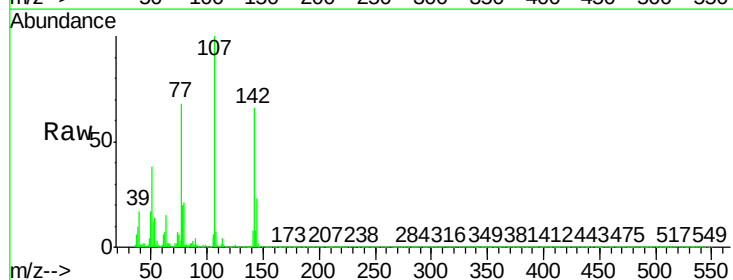
Instrument :  
BNA\_P  
ClientSampled :

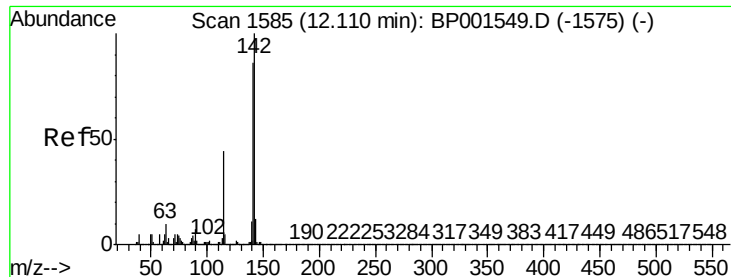
Tot Ion:113 Resp: 10703  
Ion Ratio Lower Upper  
113 100  
55 214.4 202.7 242.7  
56 183.4 140.0 180.0#



#36  
4-Chloro-3-methylphenol  
Concen: 39.071 ng  
RT: 11.65 min Scan# 1506  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Tgt Ion:107 Resp: 64622  
Ion Ratio Lower Upper  
107 100  
144 22.8 18.9 28.3  
142 65.6 58.0 87.0





#37

2-Methylnaphthalene

Concen: 36.665 ng

RT: 12.00 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

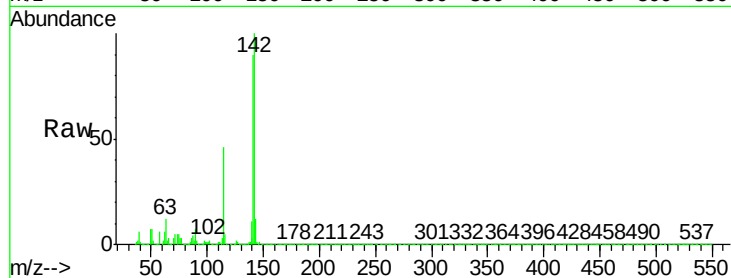
Instrument :

BNA\_P

ClientSampled :

Tot Ion:142 Resp: 118791

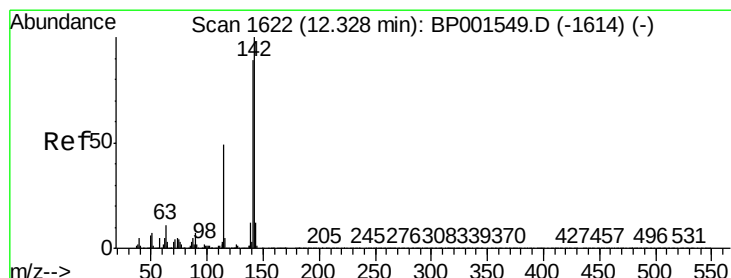
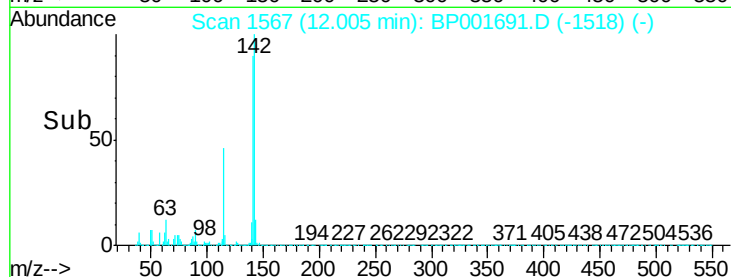
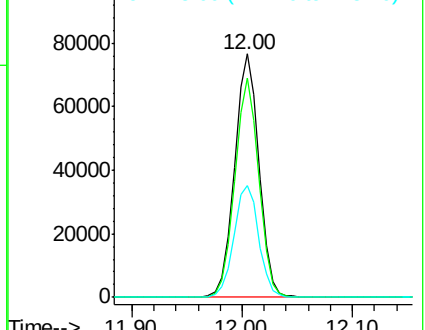
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 90.2  | 68.4  | 102.6 |
| 115 | 46.0  | 35.1  | 52.7  |



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 36.346 ng

RT: 12.23 min Scan# 1605

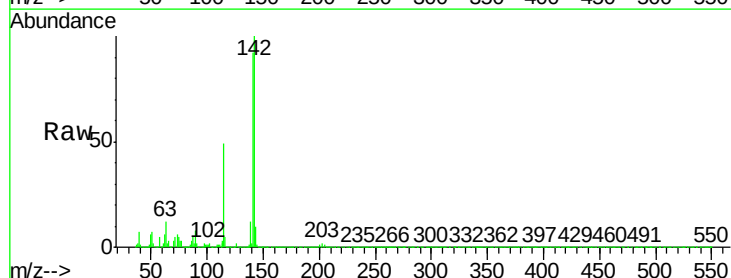
Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Tgt Ion:142 Resp: 113317

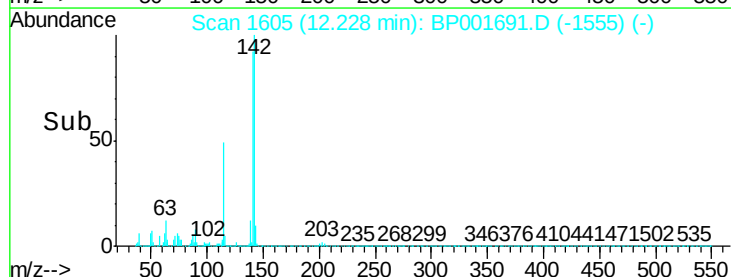
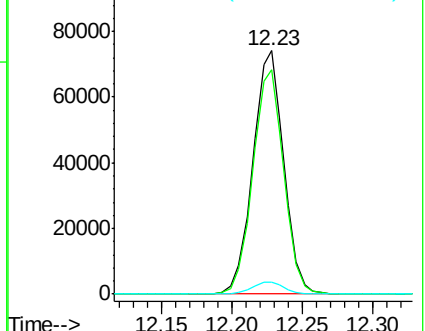
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 92.4  | 70.9  | 106.3 |
| 116 | 4.7   | 4.1   | 6.1   |

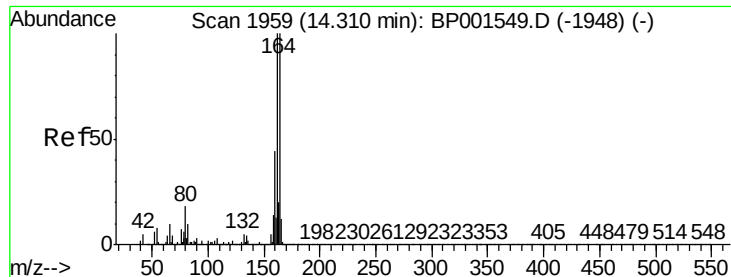


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.21 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

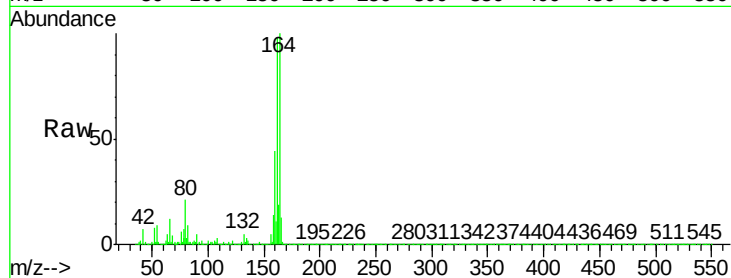
Instrument :

BNA\_P

ClientSampled :

Tot Ion:164 Resp: 61549

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 98.3  | 79.8  | 119.6 |
| 160 | 44.0  | 35.0  | 52.6  |

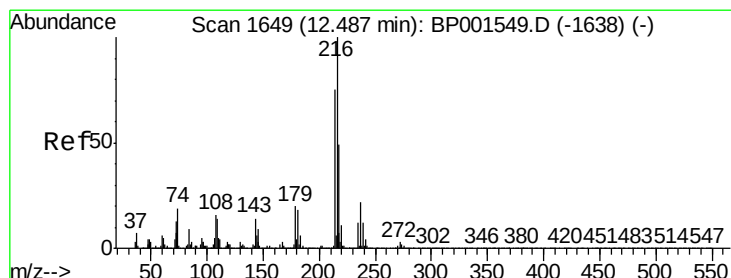
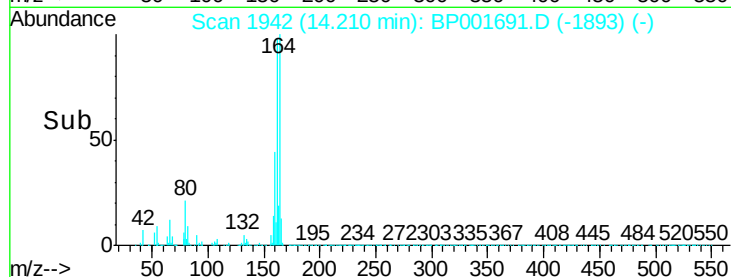
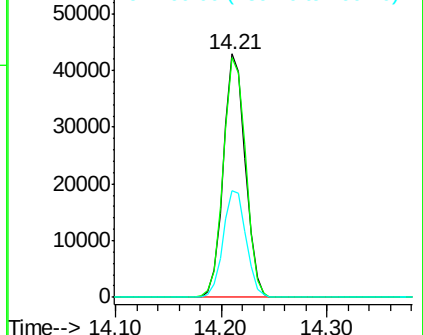


Abundance

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: 35.454 ng

RT: 12.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Tgt Ion:216 Resp: 74750

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 77.6  | 61.3  | 91.9  |
| 179 | 19.6  | 15.7  | 23.5  |
| 108 | 21.2  | 14.2  | 21.4  |

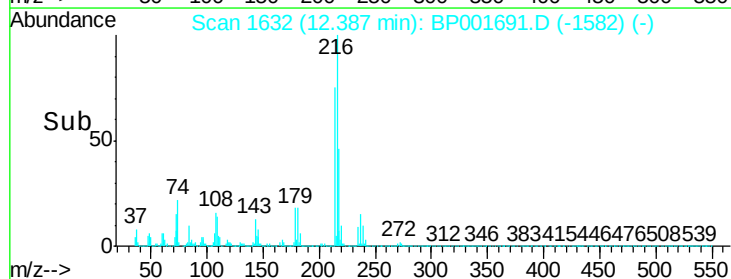
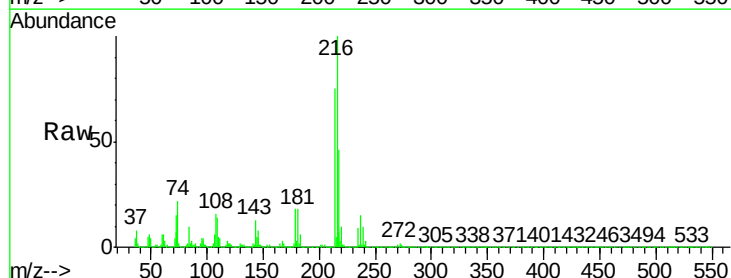
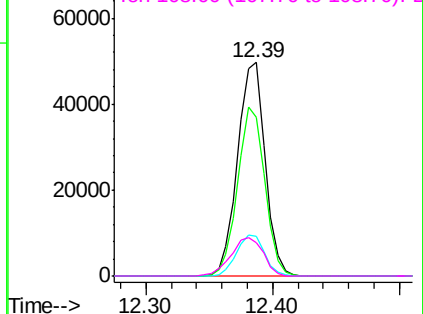
Abundance

Ion 216.00 (215.70 to 216.70): E

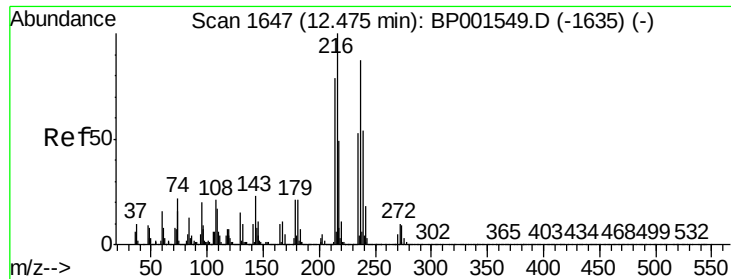
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E







#41

Hexachlorocyclopentadiene

Concen: 59.988 ng

RT: 12.37 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

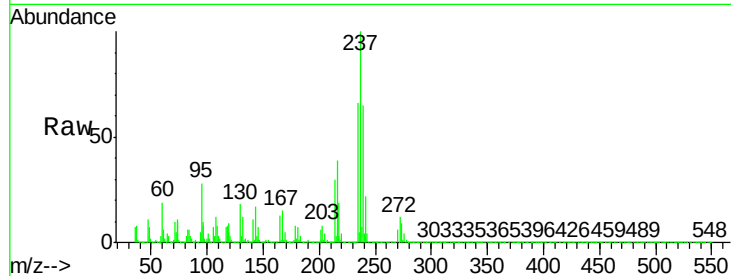
Tot Ion:237 Resp: 64156

Ion Ratio Lower Upper

237 100

235 65.7 41.6 81.6

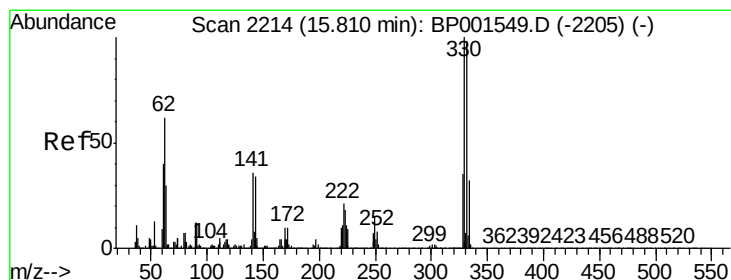
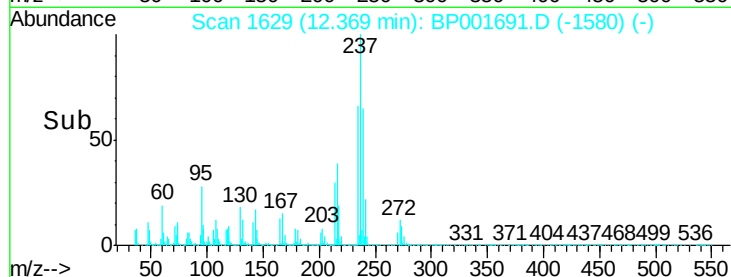
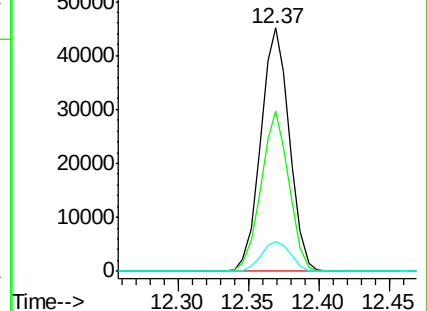
272 12.1 0.0 31.2



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 86.387 ng

RT: 15.72 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

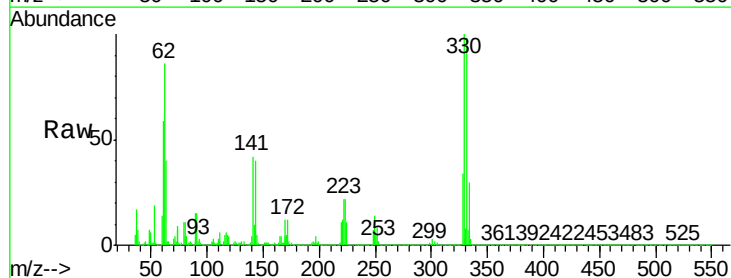
Tgt Ion:330 Resp: 80936

Ion Ratio Lower Upper

330 100

332 97.2 77.8 116.6

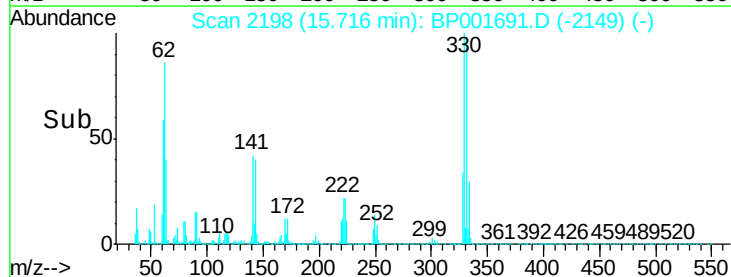
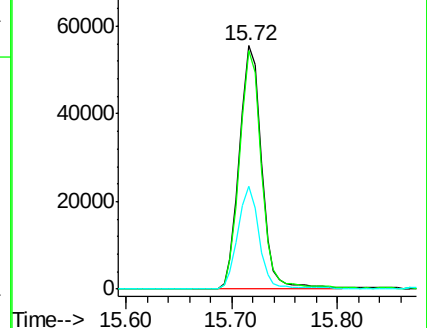
141 40.8 28.7 43.1

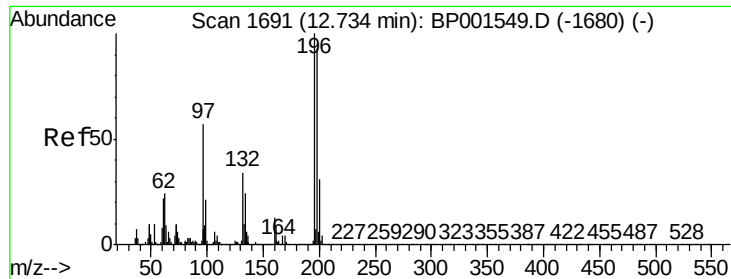


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

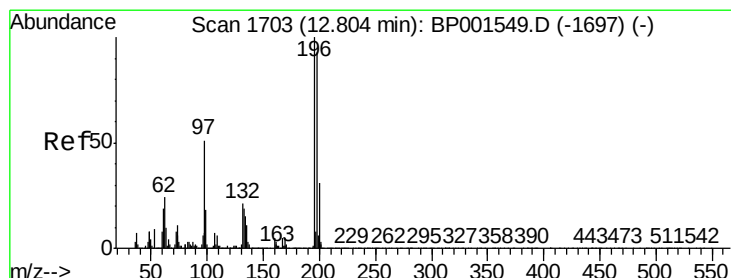
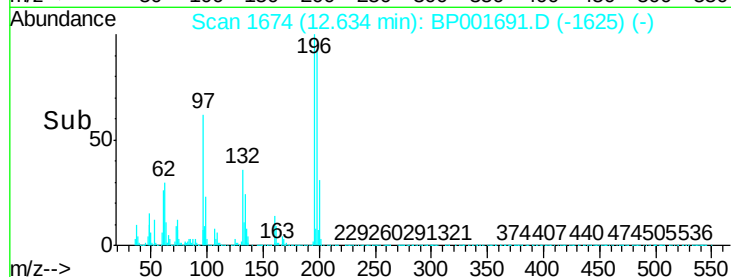
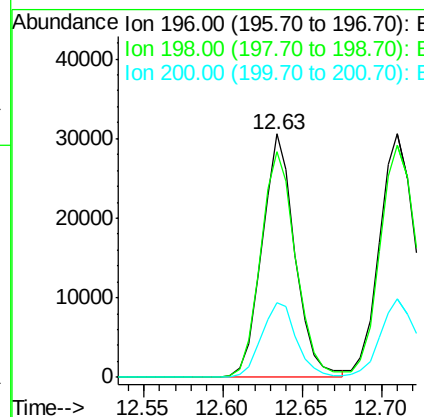
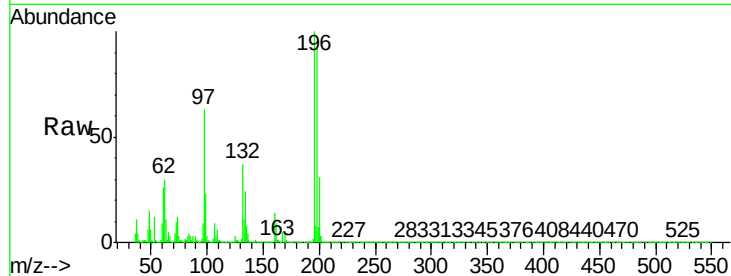




#43  
 2,4,6-Trichlorophenol  
 Concen: 32.706 ng  
 RT: 12.63 min Scan# 1674  
 Delta R.T. -0.01 min  
 Lab File: BP001691.D  
 Acq: 27 Jan 2020 15:16

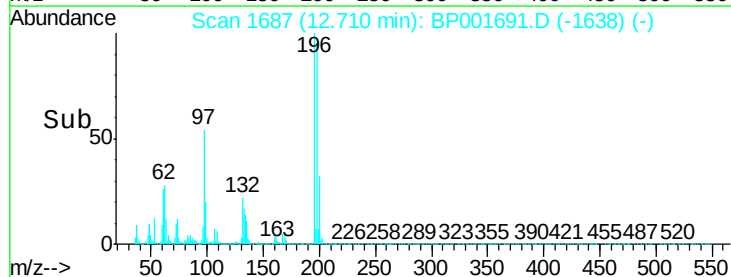
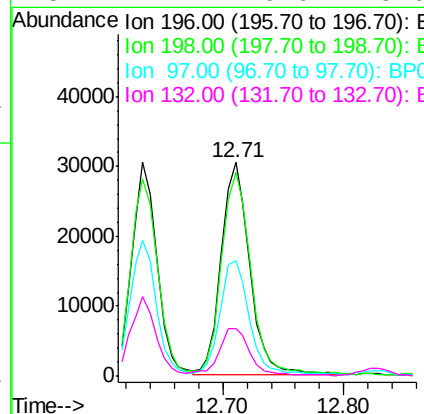
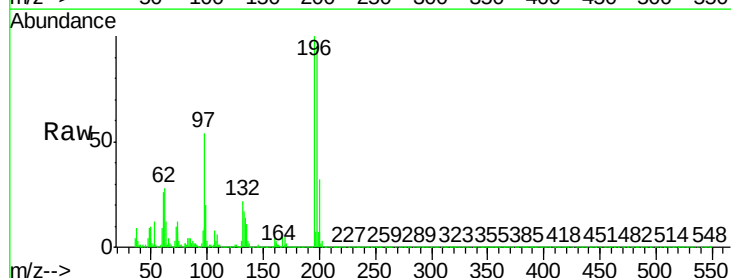
Instrument :  
 BNA\_P  
 ClientSampleId :

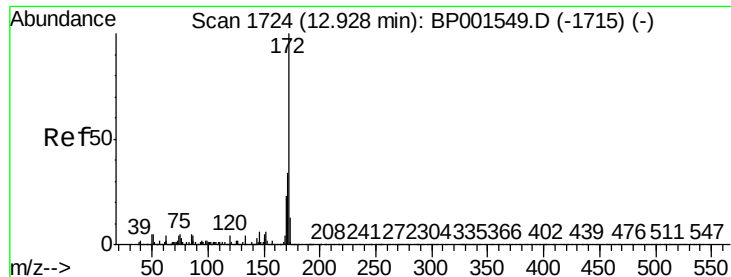
Tot Ion:196 Resp: 44474  
 Ion Ratio Lower Upper  
 196 100  
 198 92.5 74.2 111.4  
 200 30.8 24.6 37.0



#44  
 2,4,5-Trichlorophenol  
 Concen: 34.529 ng  
 RT: 12.71 min Scan# 1687  
 Delta R.T. -0.01 min  
 Lab File: BP001691.D  
 Acq: 27 Jan 2020 15:16

Tgt Ion:196 Resp: 49894  
 Ion Ratio Lower Upper  
 196 100  
 198 95.1 74.6 111.8  
 97 53.7 41.0 61.6  
 132 22.4 16.6 25.0

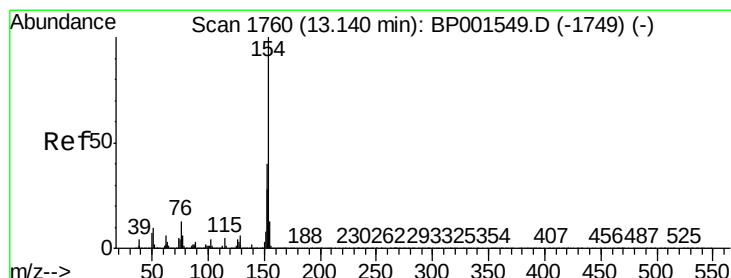
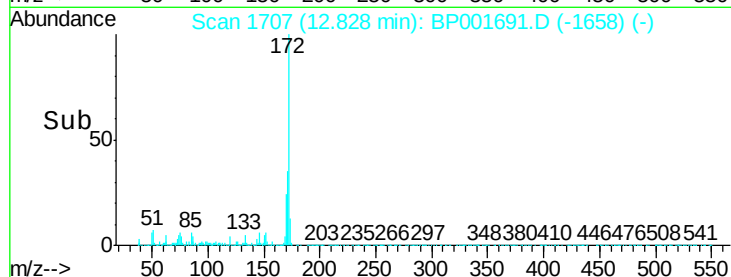
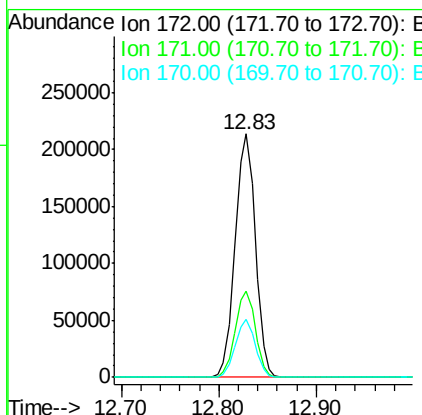
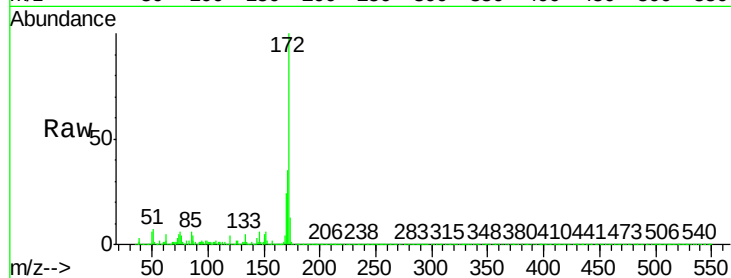




#45  
2-Fluorobiphenyl  
Concen: 73.360 ng  
RT: 12.83 min Scan# 1707  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

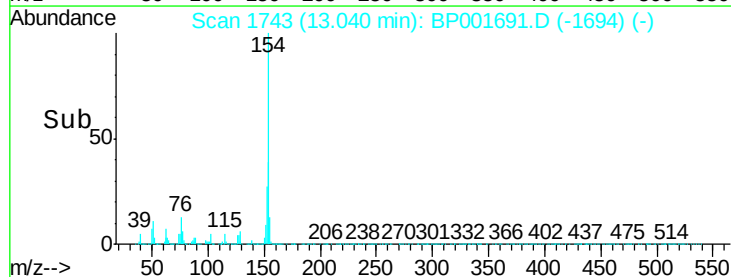
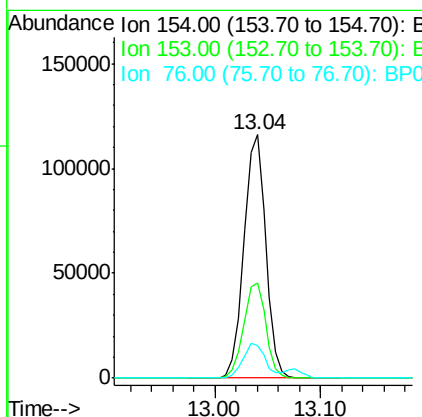
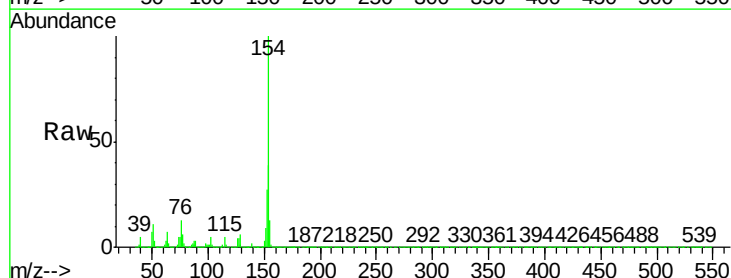
Instrument :  
BNA\_P  
ClientSampleId :

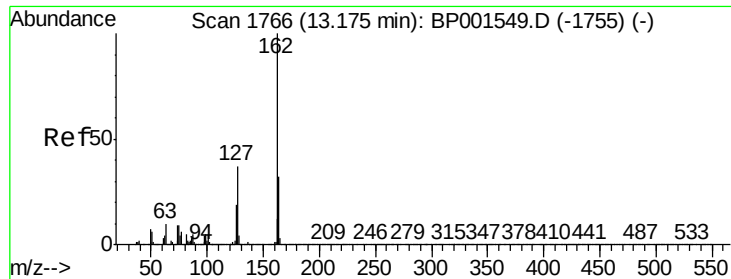
Tot Ion:172 Resp: 307101  
Ion Ratio Lower Upper  
172 100  
171 35.2 27.6 41.4  
170 23.7 18.3 27.5



#46  
1,1'-Biphenyl  
Concen: 37.512 ng  
RT: 13.04 min Scan# 1743  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Tgt Ion:154 Resp: 165446  
Ion Ratio Lower Upper  
154 100  
153 39.3 19.5 59.5  
76 13.4 0.0 33.1

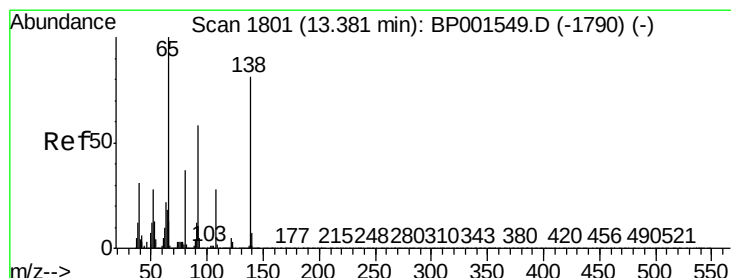
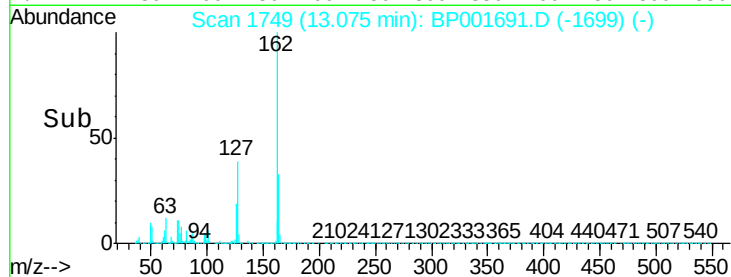
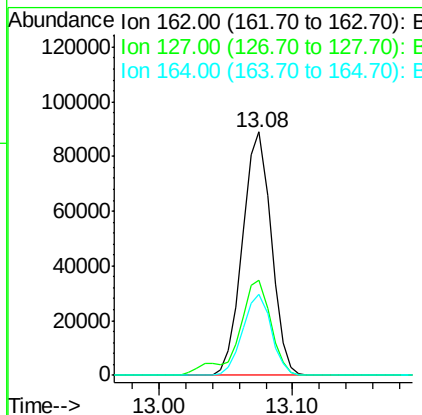
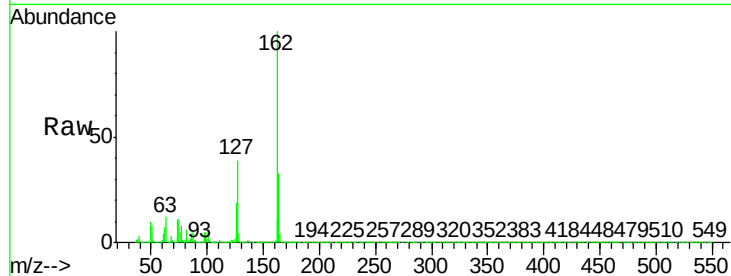




#47  
 2-Chloronaphthalene  
 Concen: 36.007 ng  
 RT: 13.08 min Scan# 1749  
 Delta R.T. -0.01 min  
 Lab File: BP001691.D  
 Acq: 27 Jan 2020 15:16

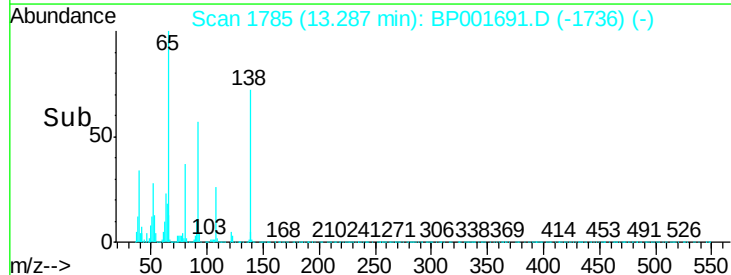
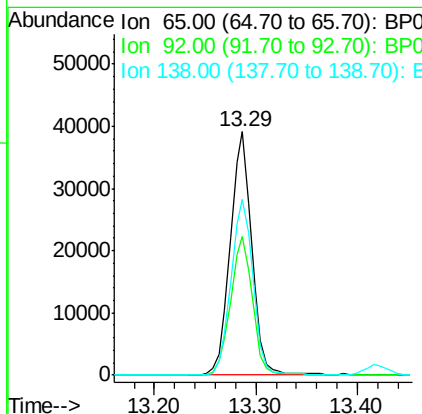
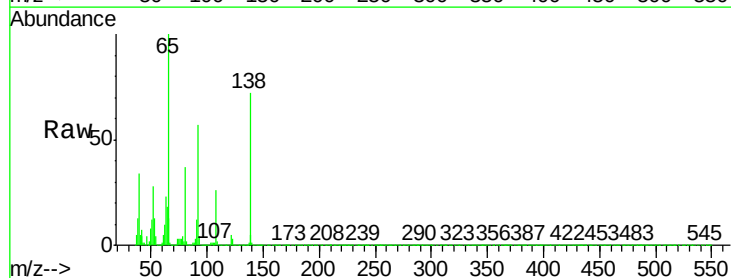
Instrument :  
 BNA\_P  
 ClientSampled :

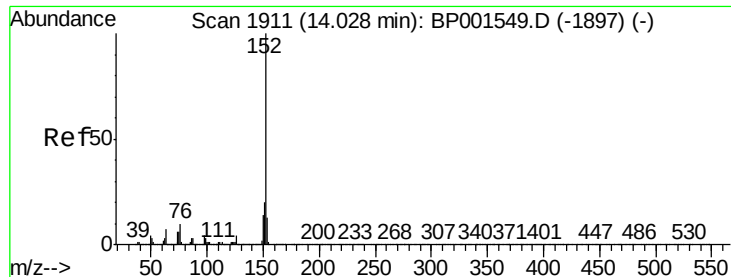
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.9  | 29.9  | 44.9  |
| 164     | 33.3  | 26.0  | 39.0  |



#48  
 2-Nitroaniline  
 Concen: 40.142 ng  
 RT: 13.29 min Scan# 1785  
 Delta R.T. -0.01 min  
 Lab File: BP001691.D  
 Acq: 27 Jan 2020 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 57.0  | 46.2  | 69.2  |
| 138     | 72.3  | 64.7  | 97.1  |





#49

Acenaphthylene

Concen: 38.400 ng

RT: 13.93 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BP001691.D

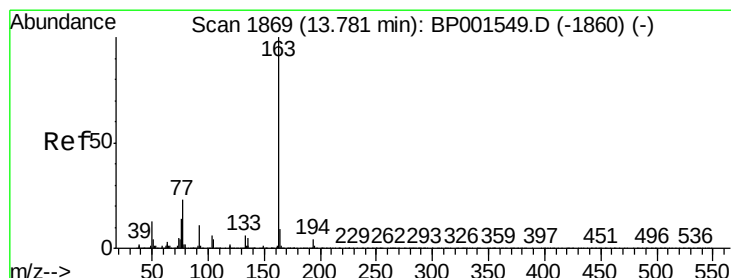
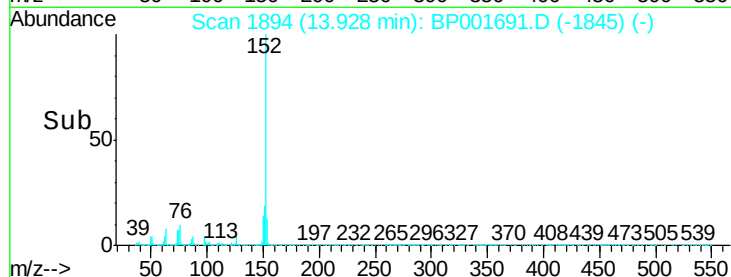
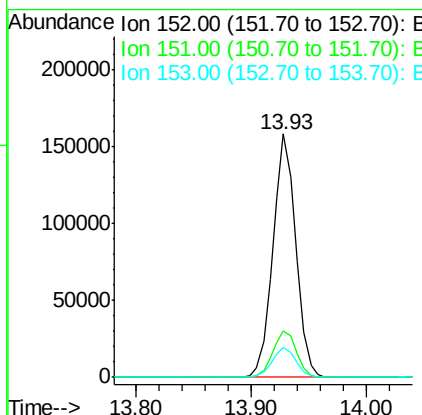
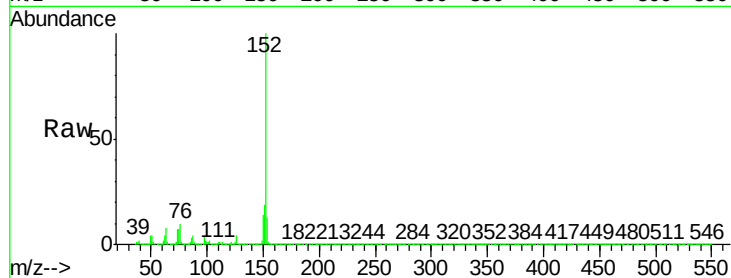
Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 152   | Resp: | 217084 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 151      | 18.8  | 15.9  | 23.9   |
| 153      | 12.5  | 10.4  | 15.6   |



#50

Dimethylphthalate

Concen: 35.700 ng

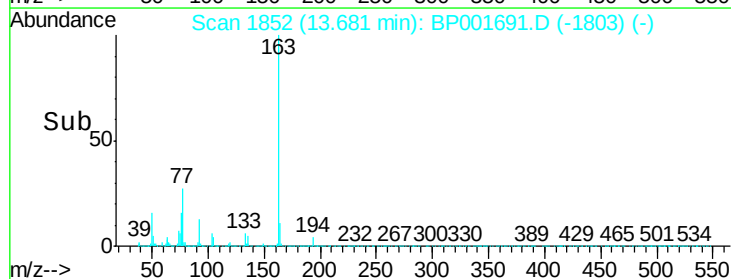
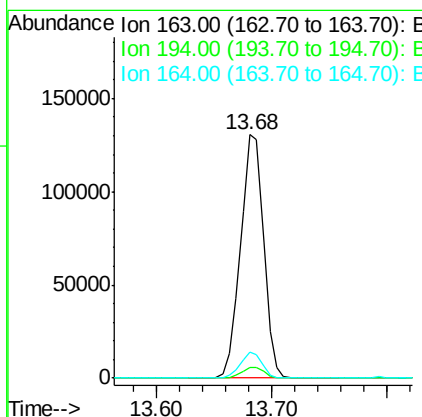
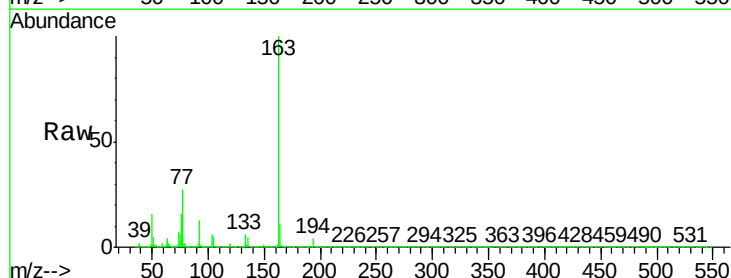
RT: 13.68 min Scan# 1852

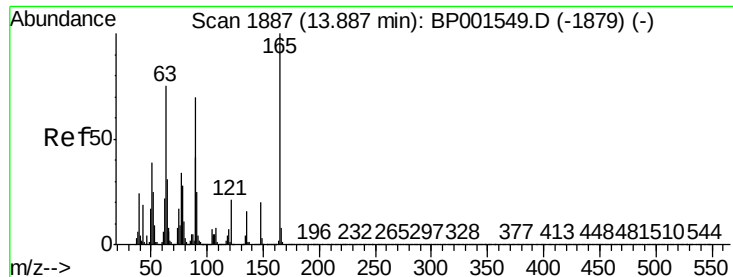
Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 180980 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 4.3   | 3.6   | 5.4    |
| 164      | 10.7  | 7.5   | 11.3   |

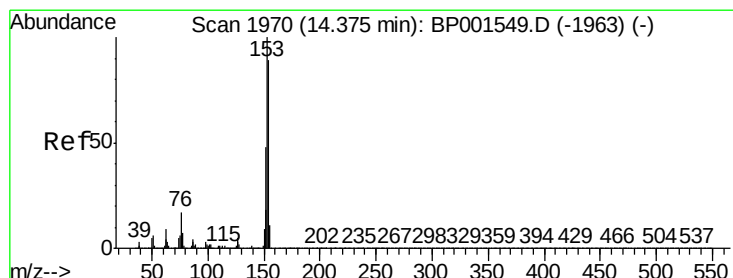
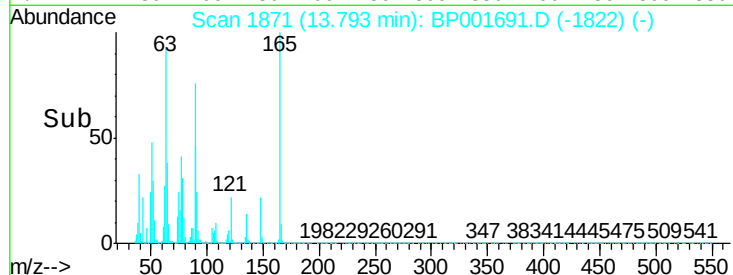
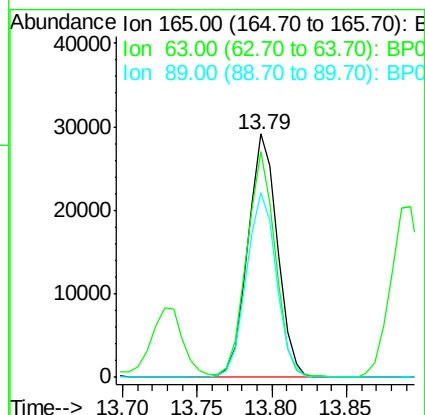
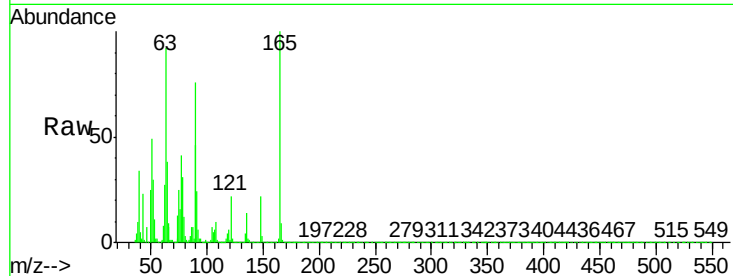




#51  
2,6-Dinitrotoluene  
Concen: 36.951 ng  
RT: 13.79 min Scan# 1871  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

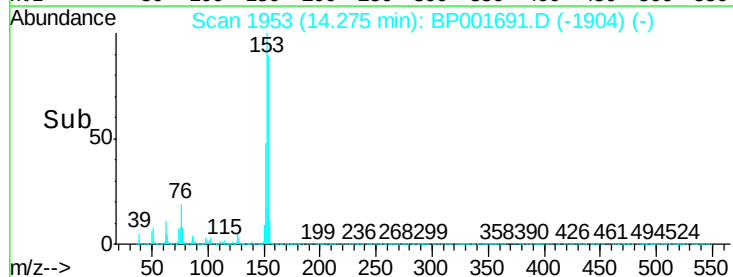
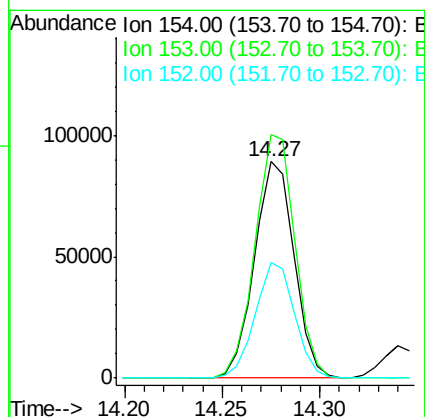
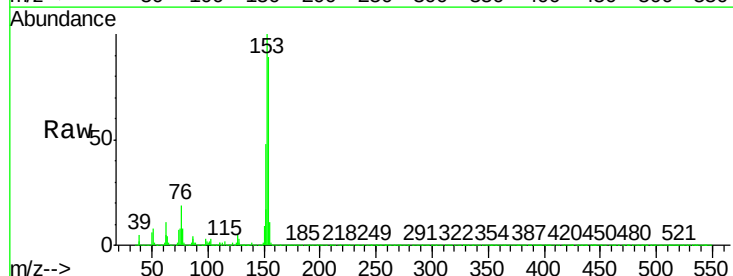
Instrument :  
BNA\_P  
ClientSampleId :

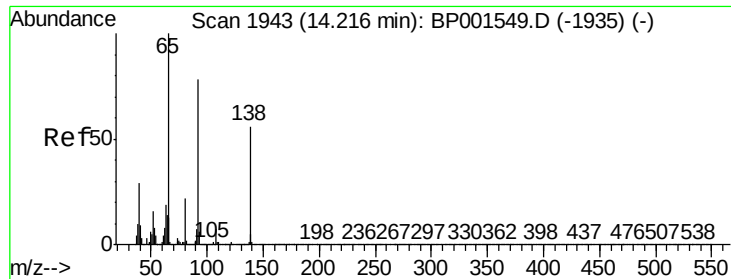
Tot Ion:165 Resp: 39724  
Ion Ratio Lower Upper  
165 100  
63 92.5 60.9 91.3#  
89 76.0 55.7 83.5



#52  
Acenaphthene  
Concen: 35.854 ng  
RT: 14.27 min Scan# 1953  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Tgt Ion:154 Resp: 125534  
Ion Ratio Lower Upper  
154 100  
153 112.4 89.4 134.2  
152 53.6 42.6 64.0

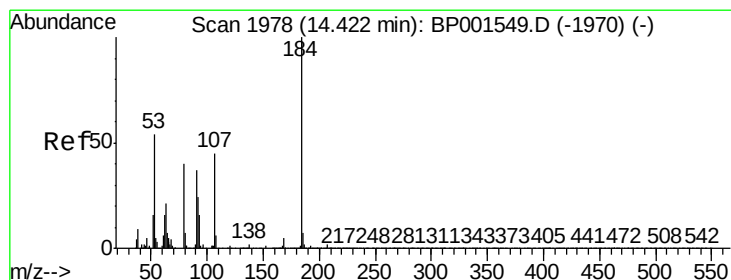
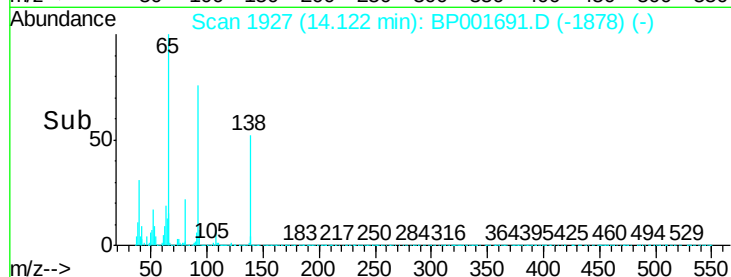
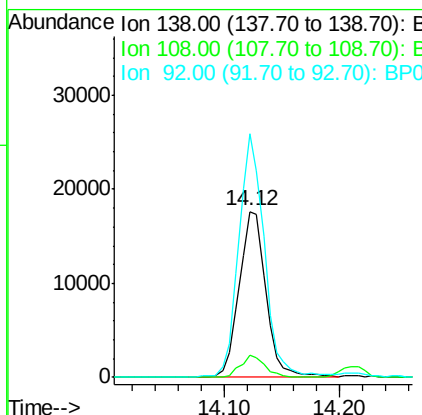
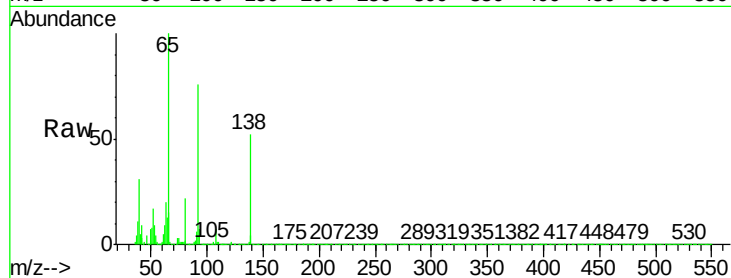




#53  
3-Nitroaniline  
Concen: 24.988 ng  
RT: 14.12 min Scan# 1927  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

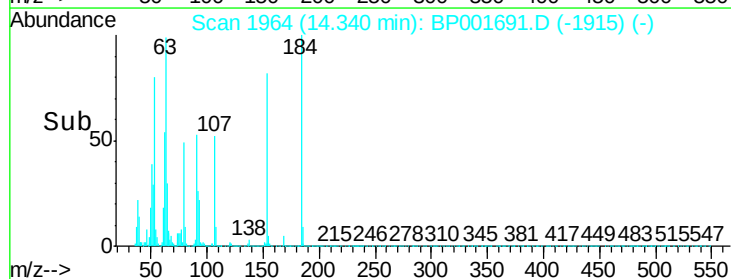
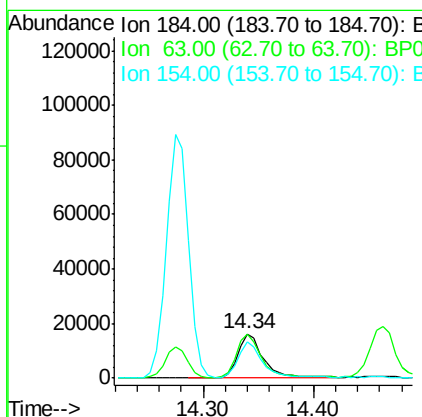
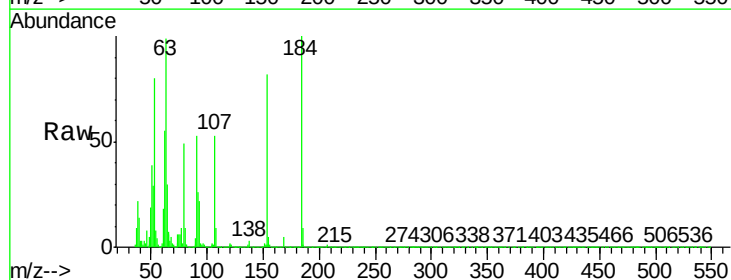
Instrument :  
BNA\_P  
ClientSampleId :

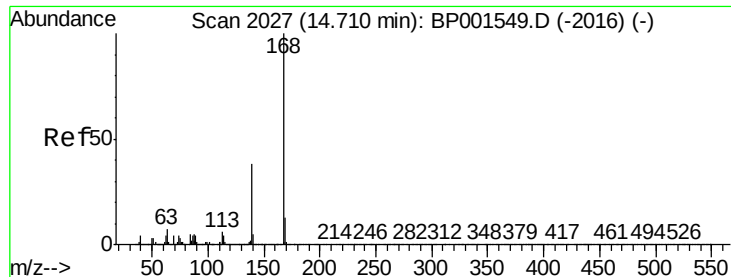
Tot Ion:138 Resp: 28362  
Ion Ratio Lower Upper  
138 100  
108 13.1 9.9 14.9  
92 146.7 110.6 166.0



#54  
2,4-Dinitrophenol  
Concen: 44.215 ng  
RT: 14.34 min Scan# 1964  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Tgt Ion:184 Resp: 26726  
Ion Ratio Lower Upper  
184 100  
63 99.1 59.7 89.5#  
154 82.3 53.9 80.9#

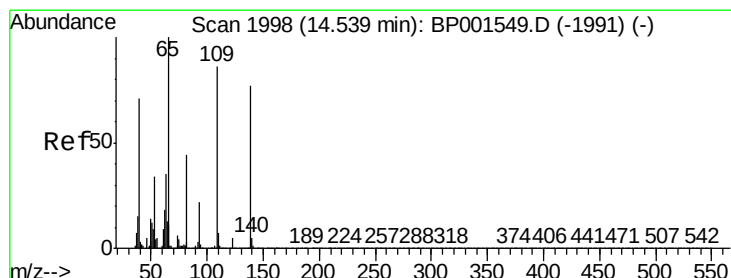
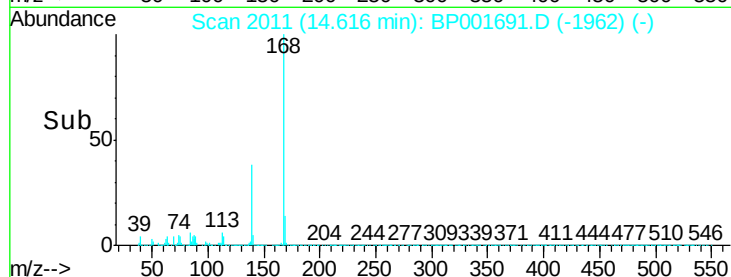
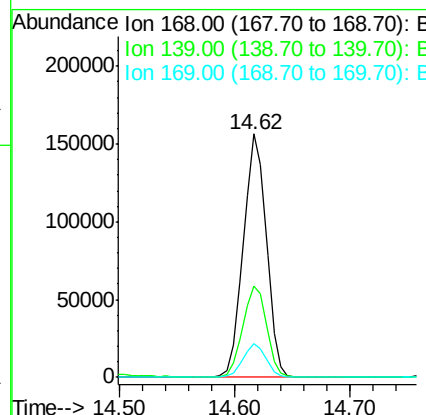
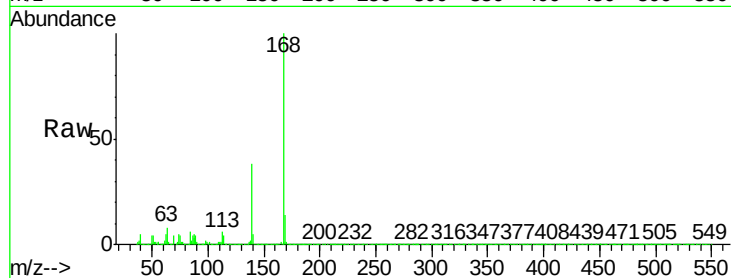




#55  
Dibenzofuran  
Concen: 36.637 ng  
RT: 14.62 min Scan# 2011  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

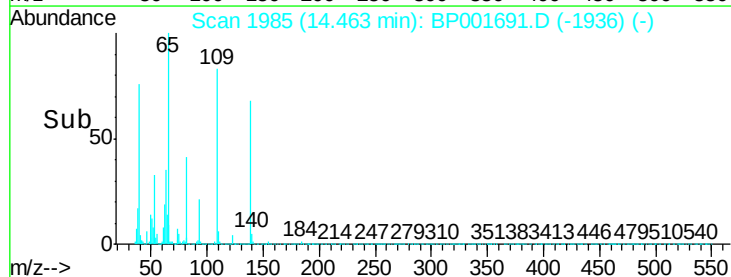
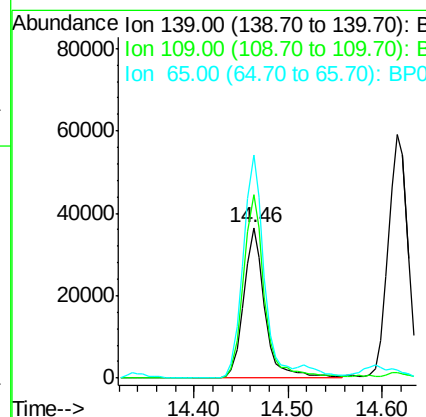
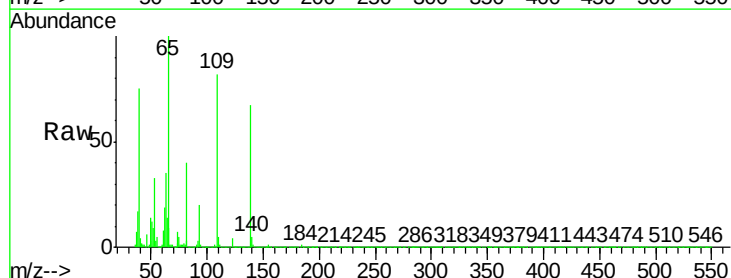
Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion:168 Resp: 216918  
Ion Ratio Lower Upper  
168 100  
139 37.7 30.2 45.4  
169 13.8 10.6 16.0

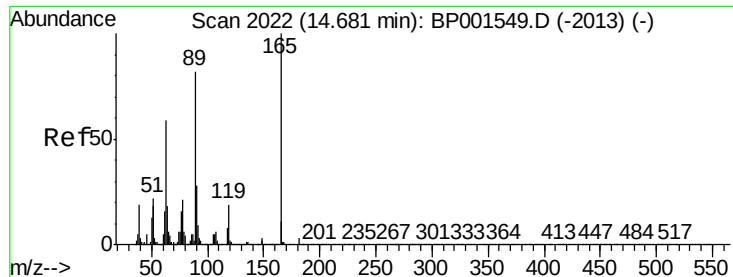


#56  
4-Nitrophenol  
Concen: 62.875 ng  
RT: 14.46 min Scan# 1985  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Tgt Ion:139 Resp: 56988  
Ion Ratio Lower Upper  
139 100  
109 122.1 92.7 132.7  
65 148.9 111.1 151.1



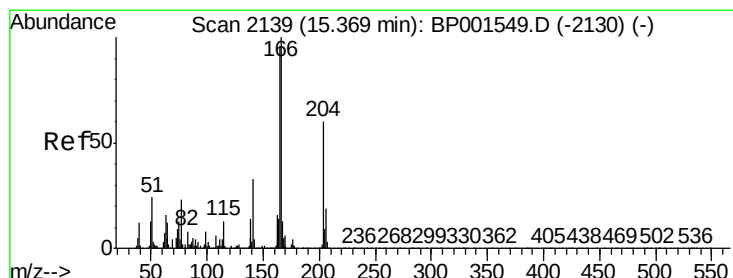
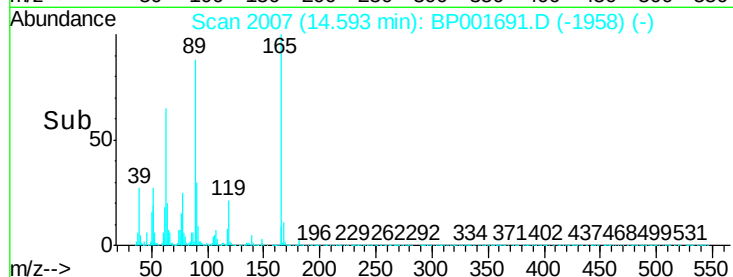
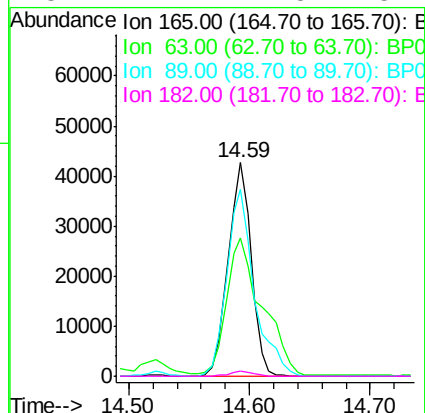
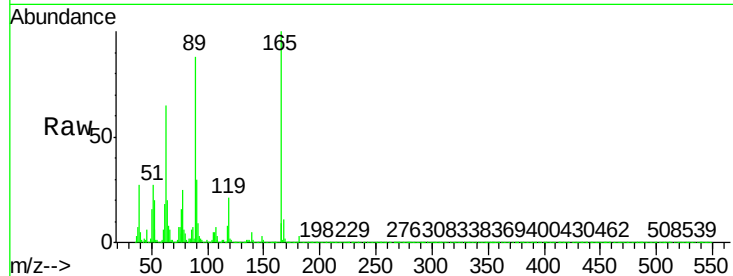




#57  
2,4-Dinitrotoluene  
Concen: 35.900 ng  
RT: 14.59 min Scan# 2007  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

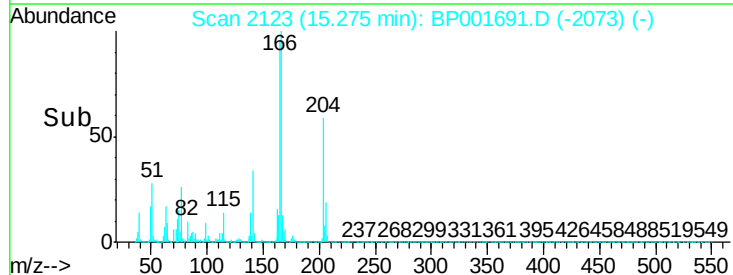
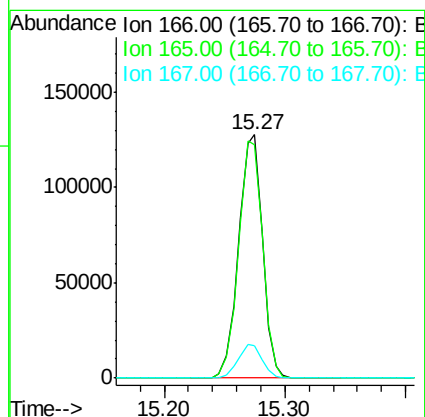
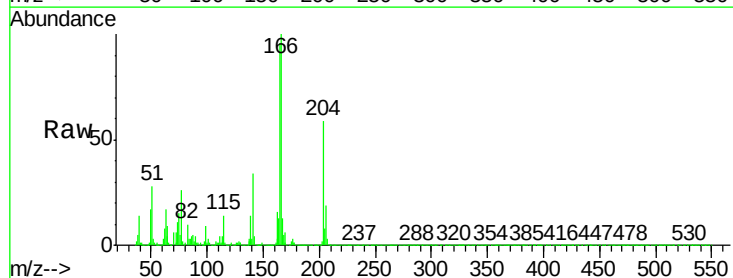
Instrument :  
BNA\_P  
ClientSampleId :

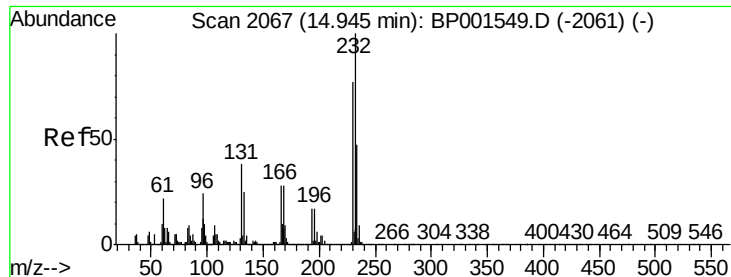
Tot Ion:165 Resp: 56469  
Ion Ratio Lower Upper  
165 100  
63 64.9 47.3 70.9  
89 87.6 65.4 98.0  
182 2.7 2.5 3.7



#58  
Fluorene  
Concen: 36.784 ng  
RT: 15.27 min Scan# 2123  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Tgt Ion:166 Resp: 176234  
Ion Ratio Lower Upper  
166 100  
165 95.8 76.9 115.3  
167 13.2 10.3 15.5





#59

2,3,4,6-Tetrachlorophenol

Concen: 31.019 ng

RT: 14.86 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

Tot Ion:232 Resp: 46283

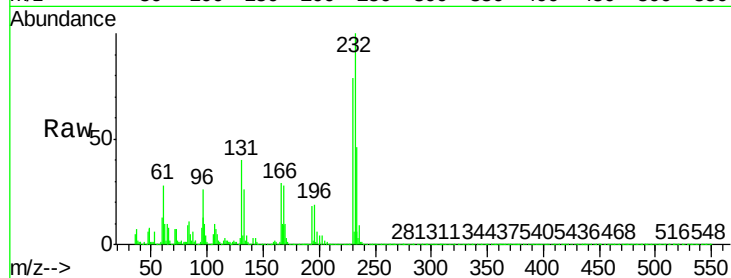
Ion Ratio Lower Upper

232 100

131 35.3 31.3 46.9

130 2.3 2.0 3.0

166 28.2 22.6 33.8

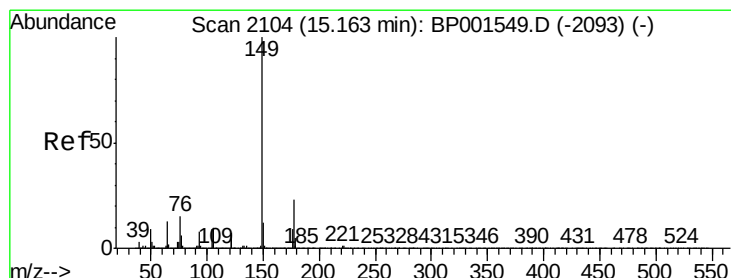
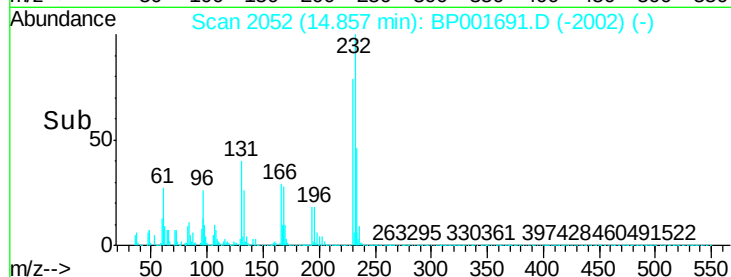
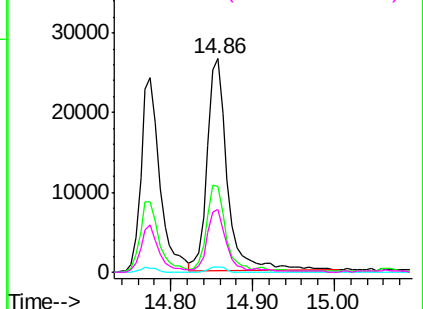


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 35.323 ng

RT: 15.06 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

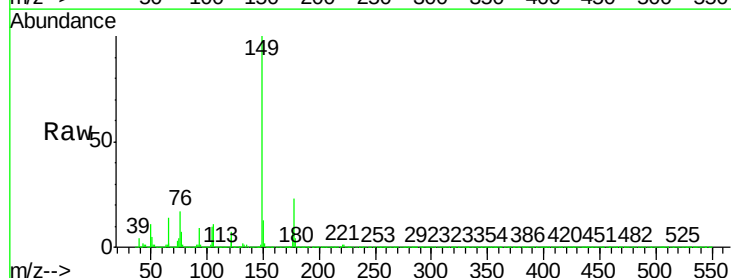
Tgt Ion:149 Resp: 184175

Ion Ratio Lower Upper

149 100

177 23.3 18.4 27.6

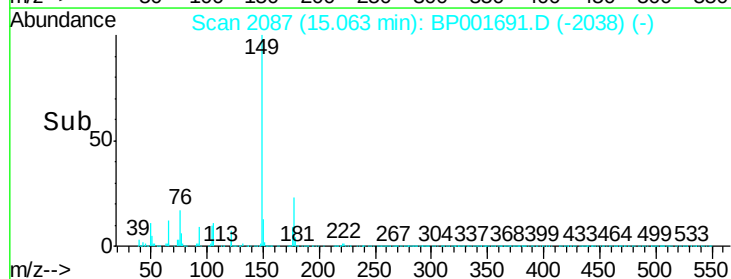
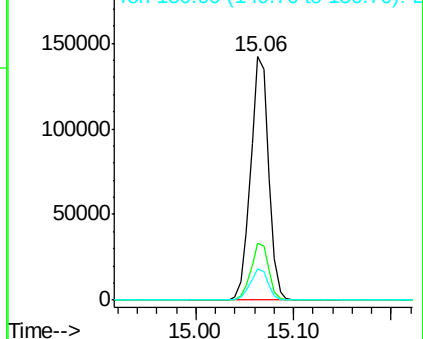
150 12.6 10.0 15.0

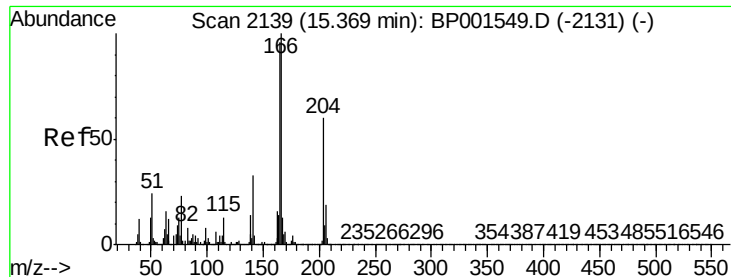


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

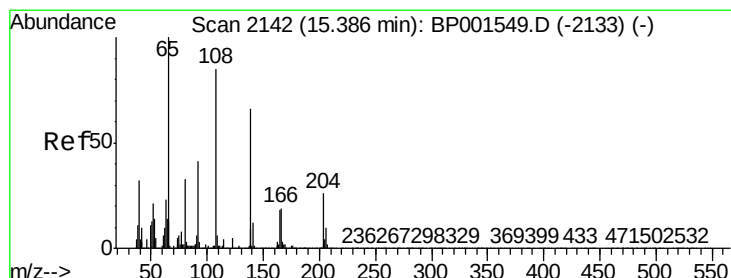
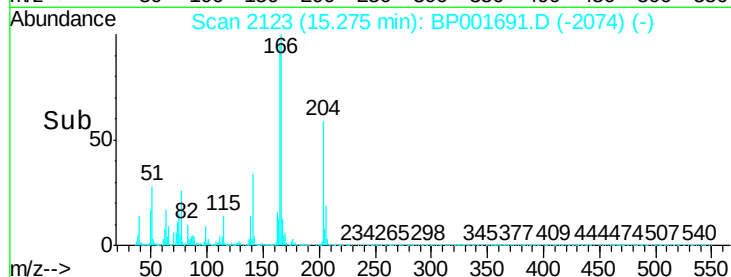
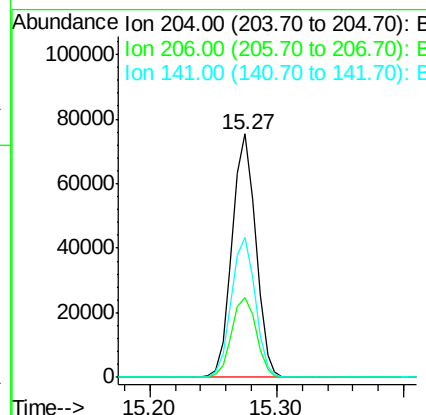
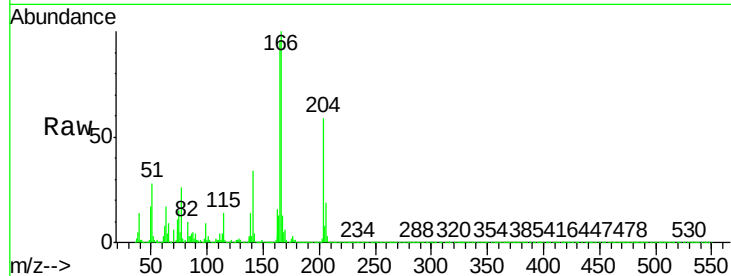




#61  
4-Chlorophenyl-phenylether  
Concen: 35.453 ng  
RT: 15.27 min Scan# 2123  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

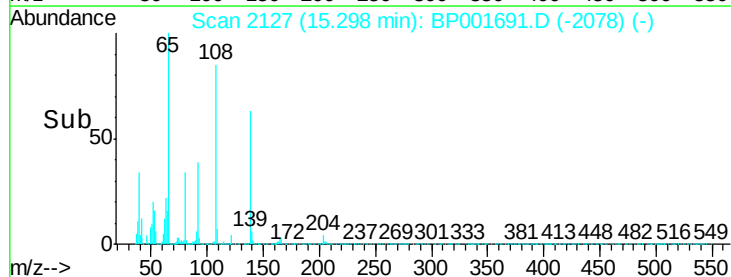
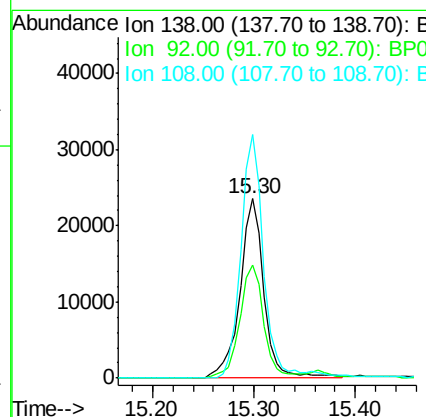
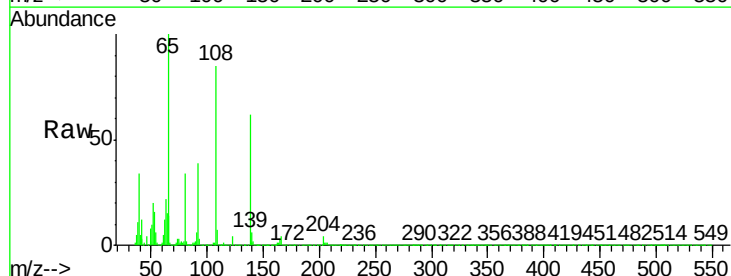
Instrument :  
BNA\_P  
ClientSampleId :

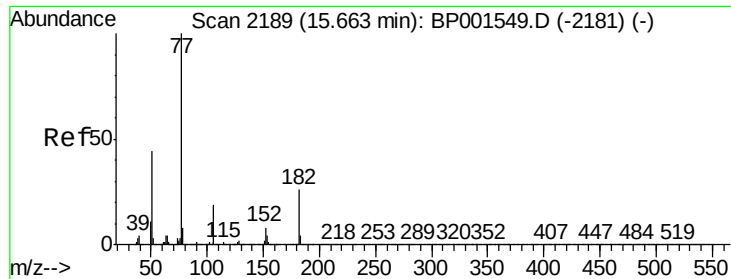
Tot Ion:204 Resp: 97211  
Ion Ratio Lower Upper  
204 100  
206 32.5 25.4 38.0  
141 57.7 43.8 65.6



#62  
4-Nitroaniline  
Concen: 29.891 ng  
RT: 15.30 min Scan# 2127  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Tgt Ion:138 Resp: 38681  
Ion Ratio Lower Upper  
138 100  
92 62.8 42.7 82.7  
108 136.0 108.6 148.6

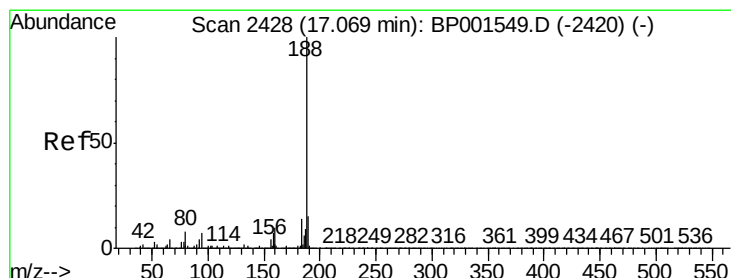
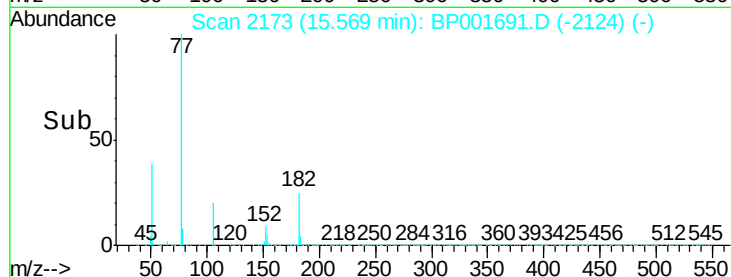
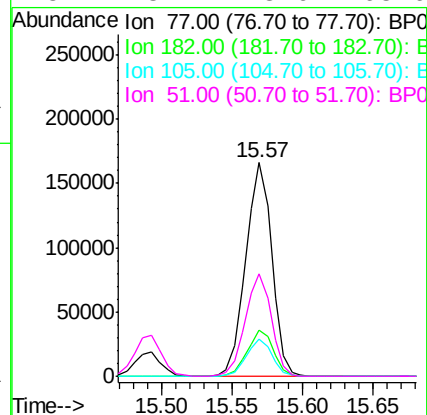
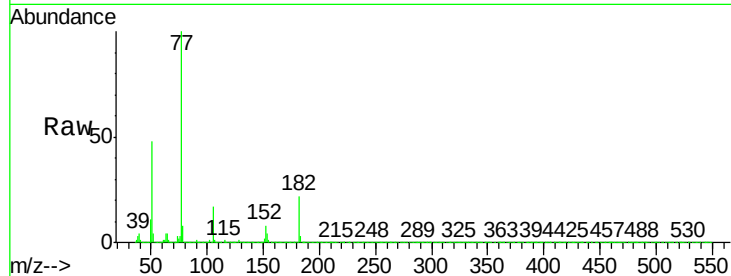




#63  
Azobenzene  
Concen: 41.192 ng  
RT: 15.57 min Scan# 2173  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

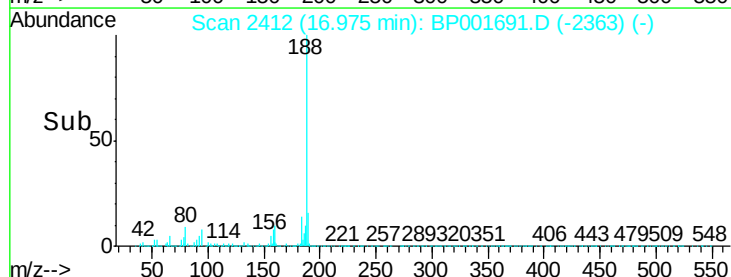
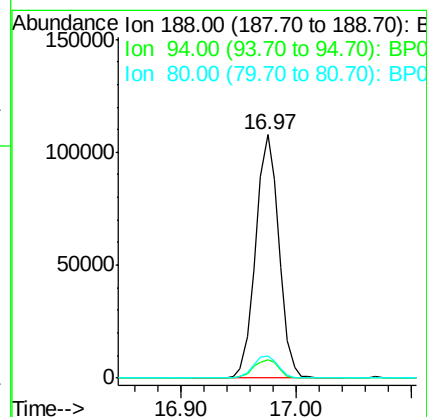
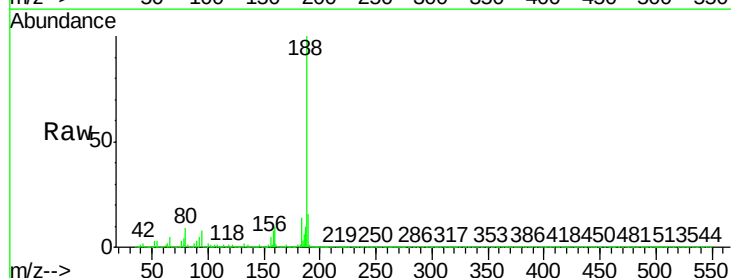
Instrument :  
BNA\_P  
ClientSampleId :

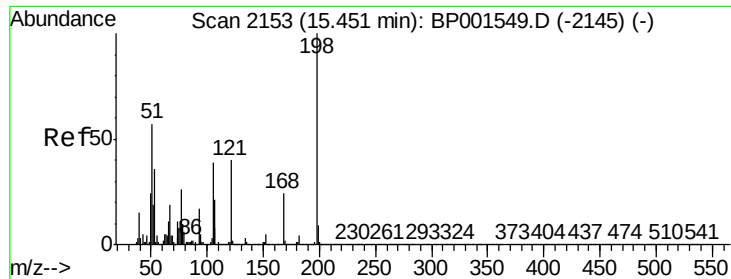
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 214605 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 21.8  | 5.8   | 45.8   |
| 105      | 17.2  | 0.0   | 39.3   |
| 51       | 48.2  | 23.6  | 63.6   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.97 min Scan# 2412  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 151582 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 7.5   | 5.9   | 8.9    |
| 80       | 9.0   | 6.8   | 10.2   |

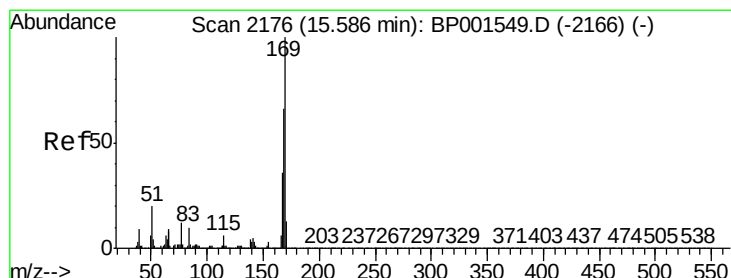
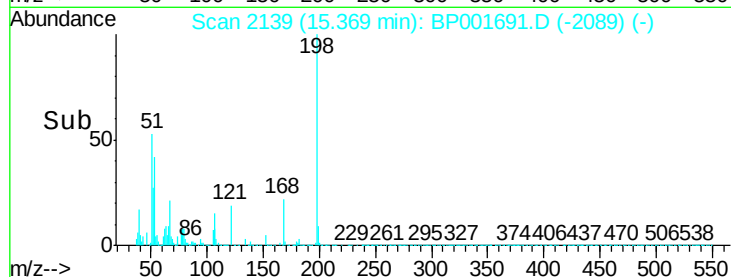
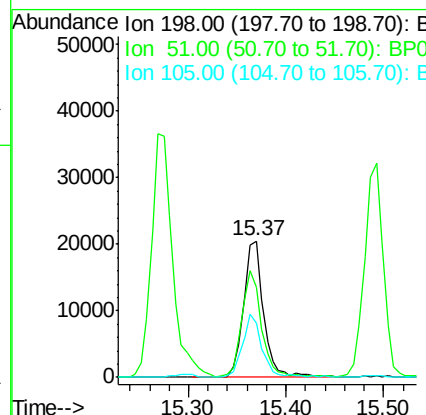
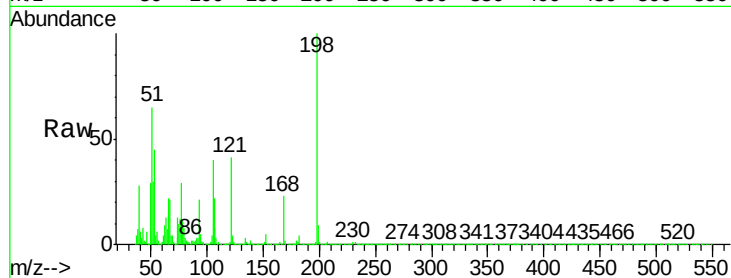




#65  
4,6-Dinitro-2-methylphenol  
Concen: 35.961 ng  
RT: 15.37 min Scan# 2139  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

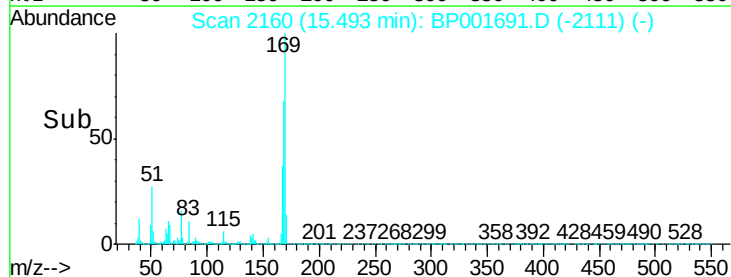
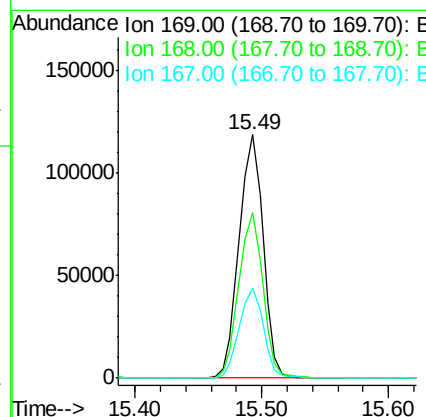
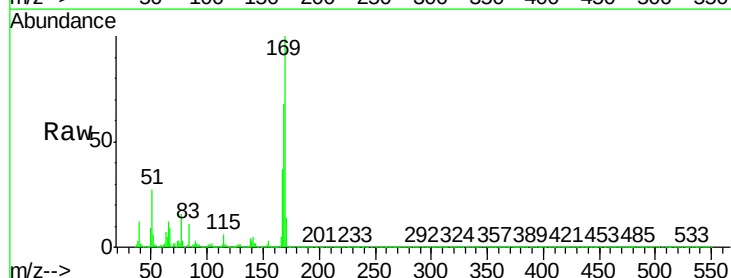
Instrument :  
BNA\_P  
ClientSampled :

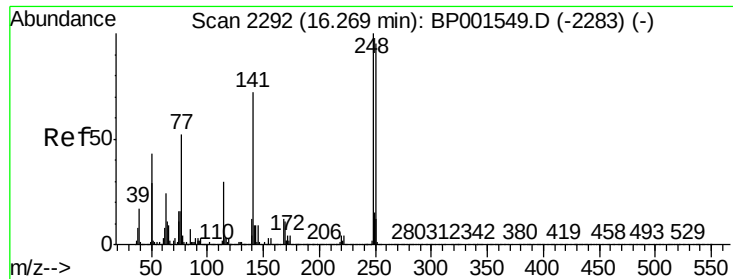
Tot Ion:198 Resp: 29471  
Ion Ratio Lower Upper  
198 100  
51 65.5 39.4 79.4  
105 39.7 19.7 59.7



#66  
n-Nitrosodiphenylamine  
Concen: 38.650 ng  
RT: 15.49 min Scan# 2160  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Tgt Ion:169 Resp: 155208  
Ion Ratio Lower Upper  
169 100  
168 68.3 53.1 79.7  
167 37.2 28.9 43.3

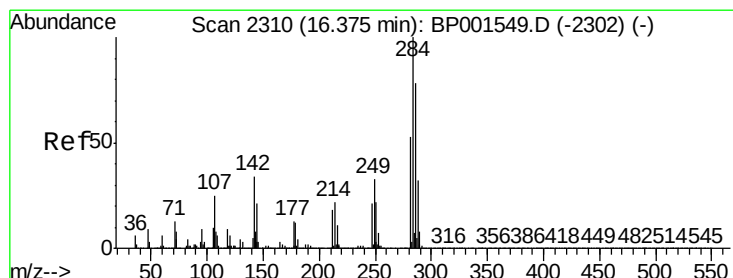
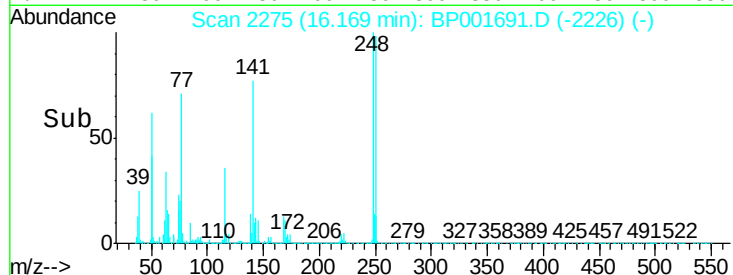
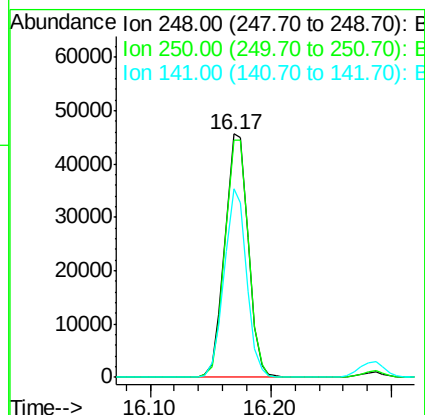
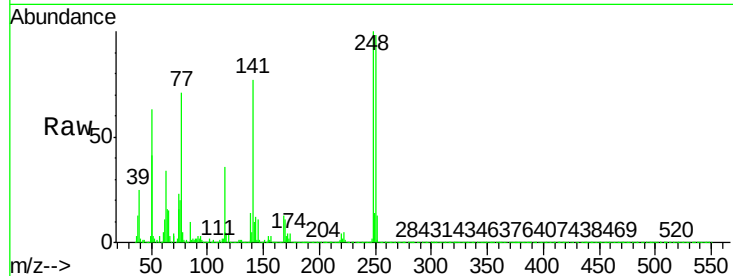




#67  
4-Bromophenyl-phenylether  
Concen: 35.665 ng  
RT: 16.17 min Scan# 2275  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

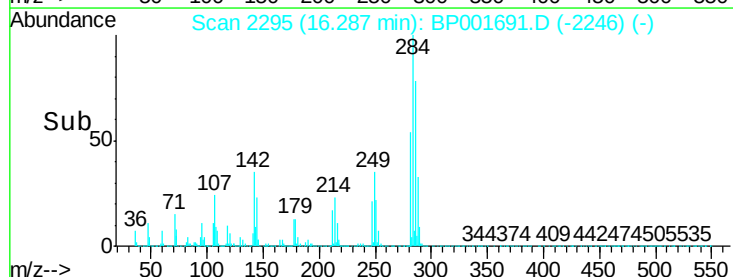
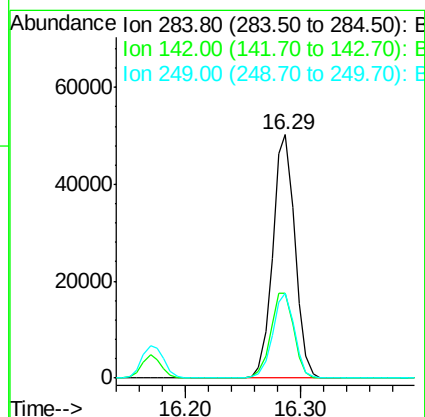
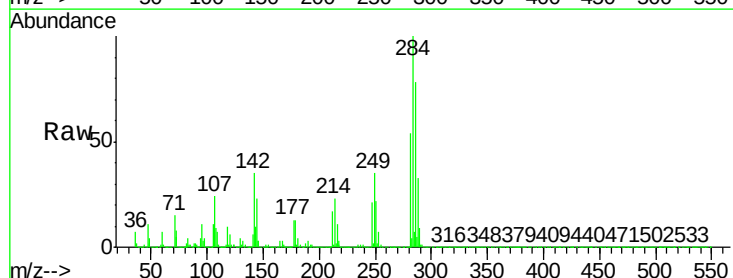
Instrument :  
BNA\_P  
ClientSampleId :

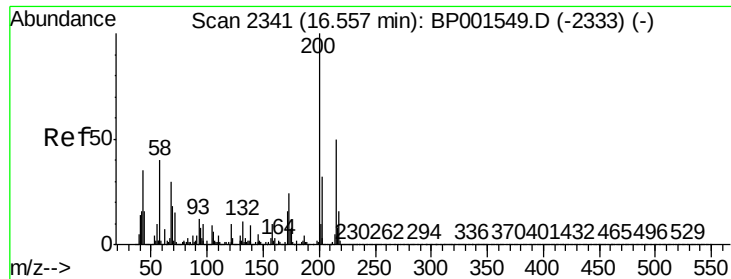
Tot Ion:248 Resp: 60989  
Ion Ratio Lower Upper  
248 100  
250 97.6 76.0 114.0  
141 77.4 57.8 86.8



#68  
Hexachlorobenzene  
Concen: 33.814 ng  
RT: 16.29 min Scan# 2295  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Tgt Ion:284 Resp: 67181  
Ion Ratio Lower Upper  
284 100  
142 34.9 27.4 41.2  
249 35.1 26.8 40.2

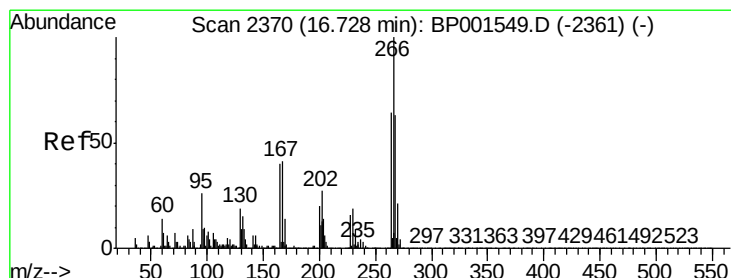
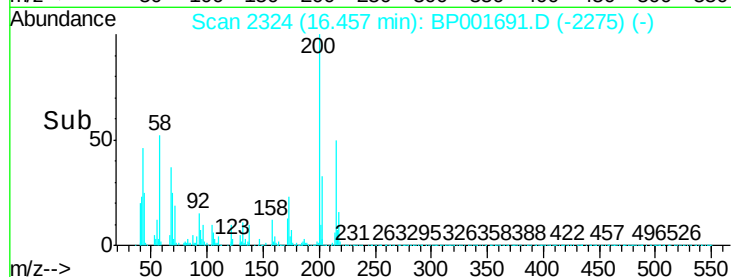
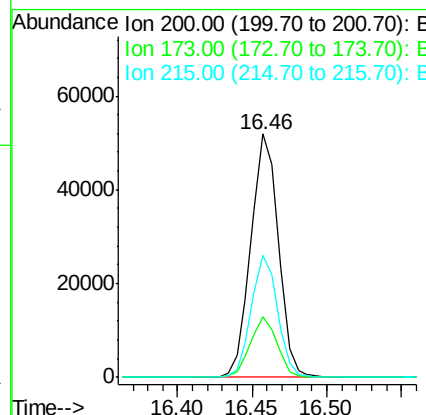
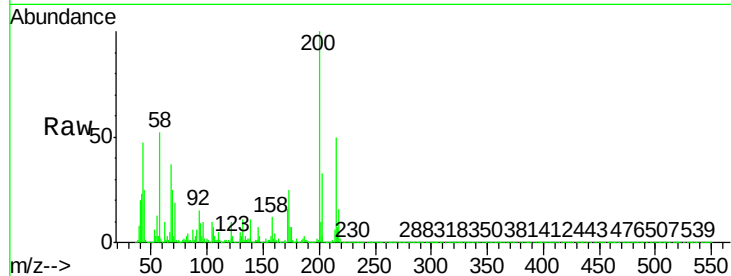




#69  
 Atrazine  
 Concen: 44.768 ng  
 RT: 16.46 min Scan# 2324  
 Delta R.T. -0.01 min  
 Lab File: BP001691.D  
 Acq: 27 Jan 2020 15:16

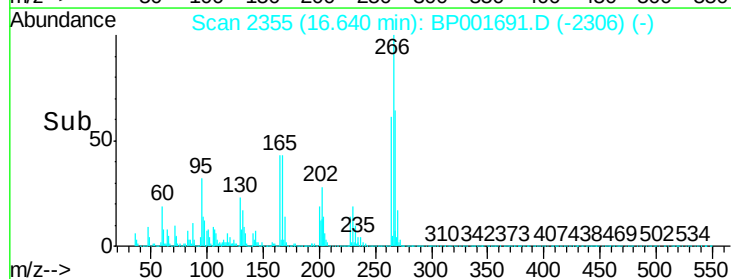
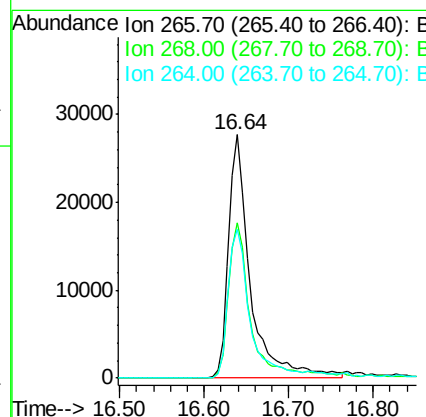
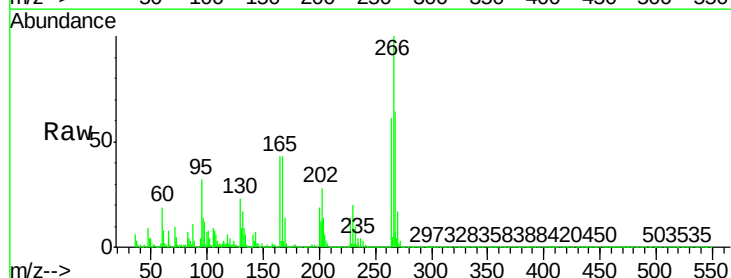
Instrument :  
 BNA\_P  
 ClientSampleId :

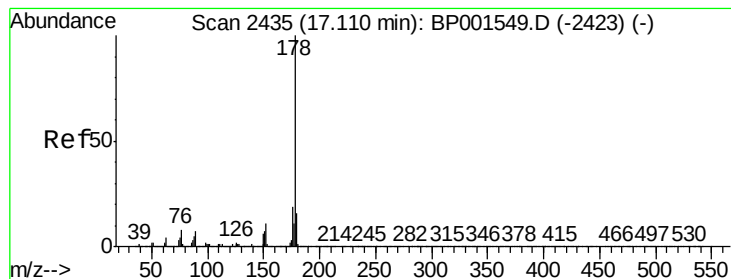
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.0  | 3.5   | 43.5  |
| 215     | 50.3  | 30.4  | 70.4  |



#70  
 Pentachlorophenol  
 Concen: 45.181 ng  
 RT: 16.64 min Scan# 2355  
 Delta R.T. -0.01 min  
 Lab File: BP001691.D  
 Acq: 27 Jan 2020 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.9  | 50.5  | 75.7  |
| 264     | 61.0  | 50.9  | 76.3  |





#71

Phenanthrene

Concen: 36.715 ng

RT: 17.02 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

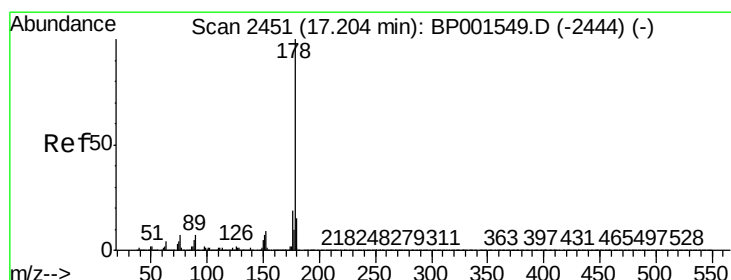
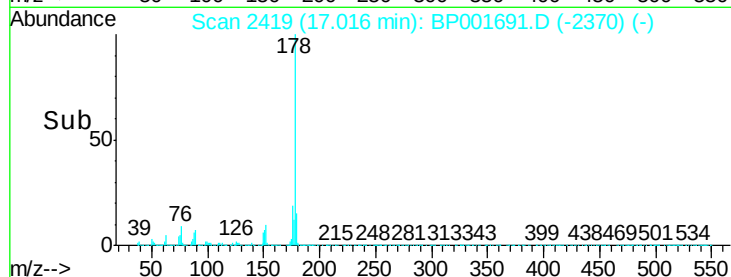
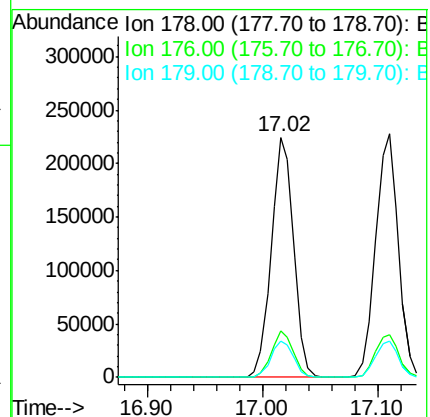
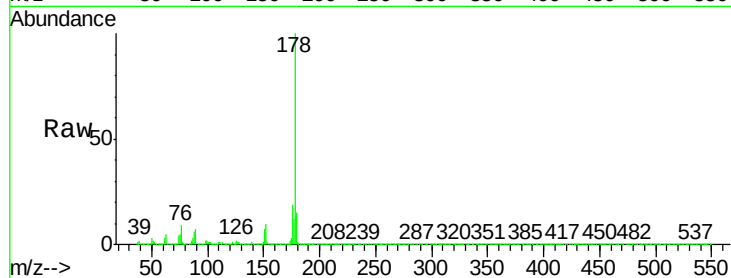
Tot Ion:178 Resp: 302656

Ion Ratio Lower Upper

178 100

176 19.3 14.9 22.3

179 15.1 12.5 18.7



#72

Anthracene

Concen: 39.010 ng

RT: 17.11 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

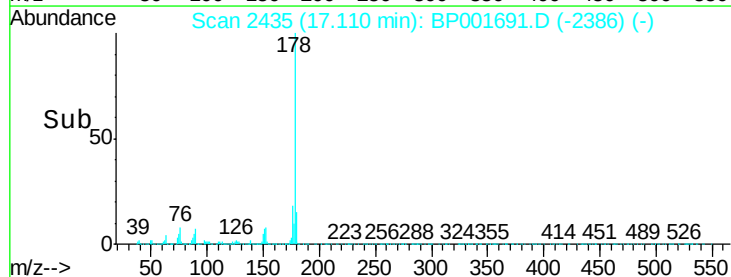
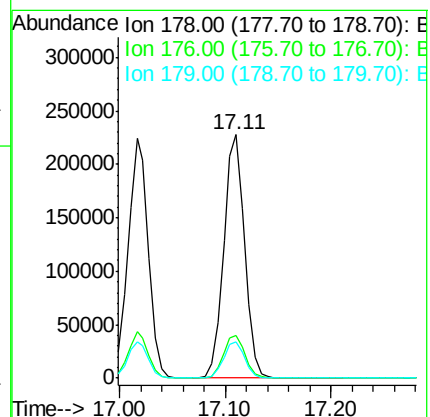
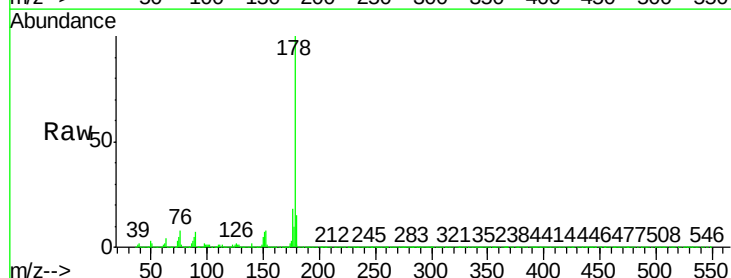
Tgt Ion:178 Resp: 313061

Ion Ratio Lower Upper

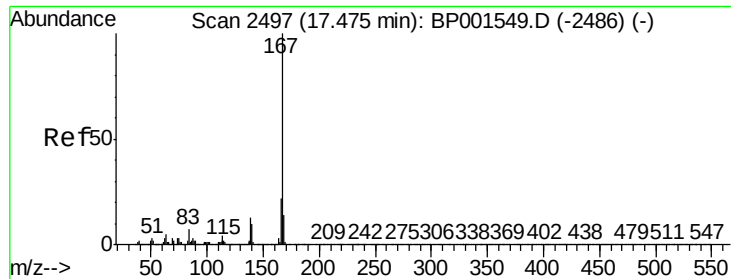
178 100

176 17.7 15.0 22.6

179 14.8 11.8 17.8



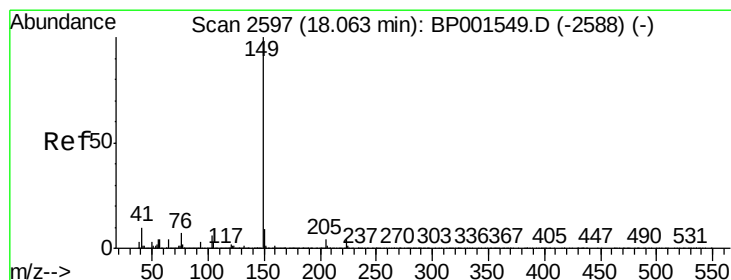
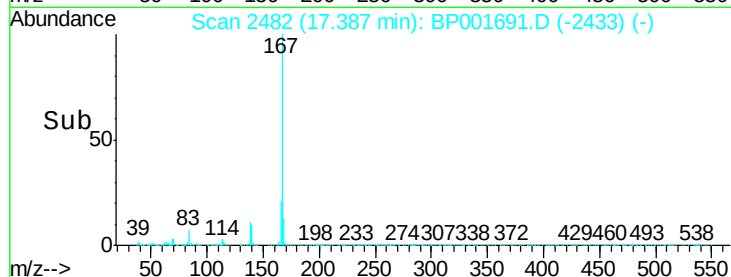
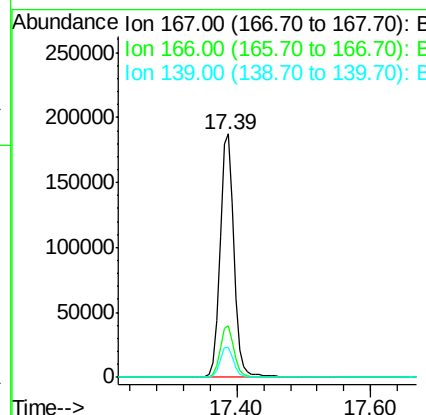
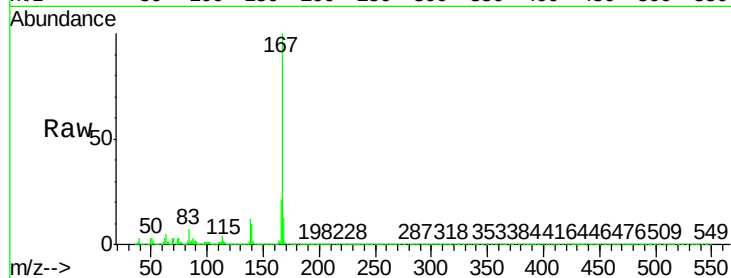




#73  
 Carbazole  
 Concen: 36.504 ng  
 RT: 17.39 min Scan# 2482  
 Delta R.T. -0.01 min  
 Lab File: BP001691.D  
 Acq: 27 Jan 2020 15:16

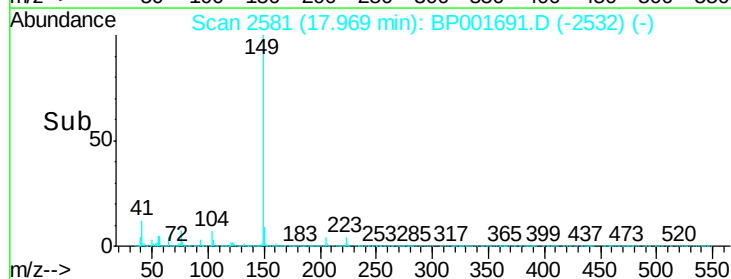
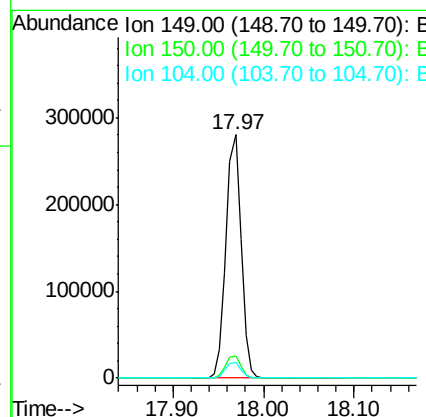
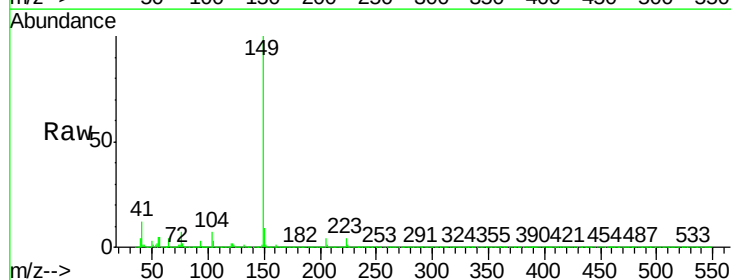
Instrument :  
 BNA\_P  
 ClientSampled :

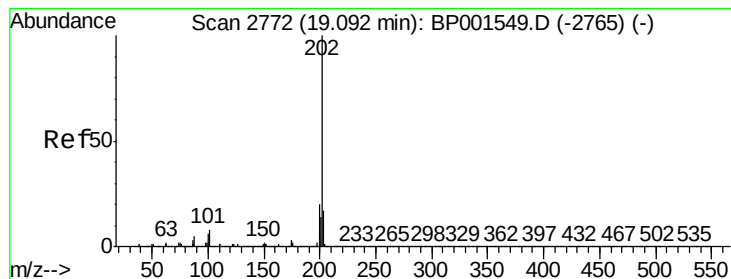
Tot Ion:167 Resp: 275031  
 Ion Ratio Lower Upper  
 167 100  
 166 21.2 17.2 25.8  
 139 12.3 10.0 15.0



#74  
 Di-n-butylphthalate  
 Concen: 36.157 ng  
 RT: 17.97 min Scan# 2581  
 Delta R.T. -0.01 min  
 Lab File: BP001691.D  
 Acq: 27 Jan 2020 15:16

Tgt Ion:149 Resp: 322300  
 Ion Ratio Lower Upper  
 149 100  
 150 8.9 7.0 10.6  
 104 6.7 5.0 7.4





#75

Fluoranthene

Concen: 36.281 ng

RT: 19.00 min Scan# 2757

Delta R.T. -0.01 min

Lab File: BP001691.D

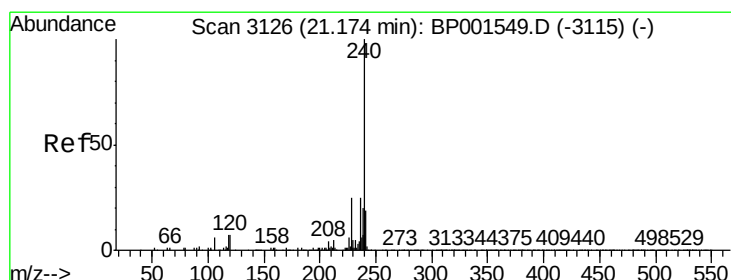
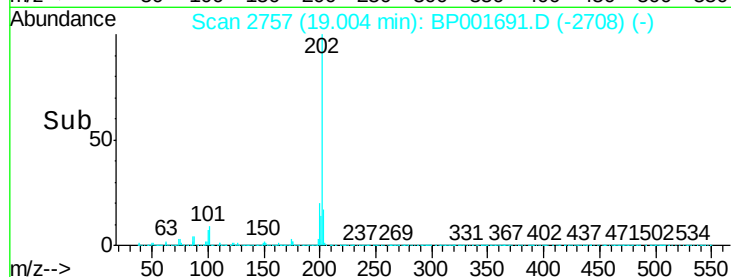
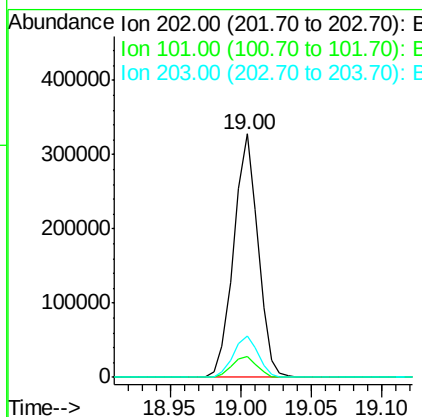
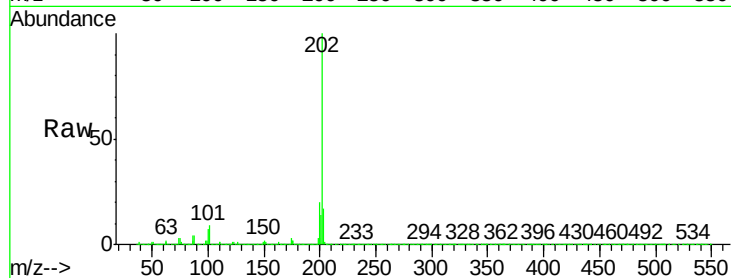
Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 202  | Resp: | 393536 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 101       | 8.6  | 0.0   | 28.4   |
| 203       | 17.1 | 0.0   | 37.4   |



#76

Chrysene-d12

Concen: 20.000 ng

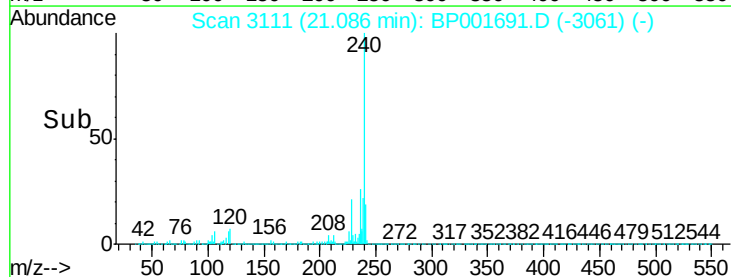
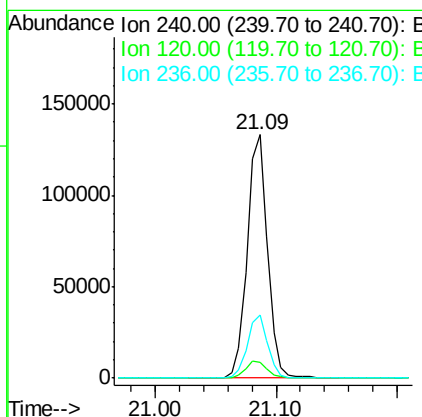
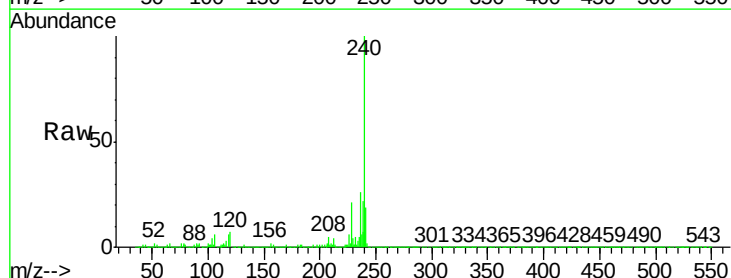
RT: 21.09 min Scan# 3111

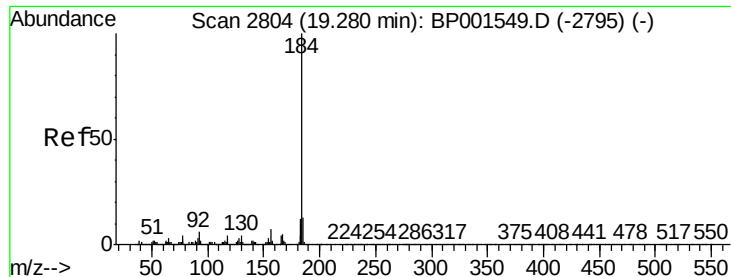
Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 240  | Resp: | 156418 |
| Ion Ratio |      | Lower | Upper  |
| 240       | 100  |       |        |
| 120       | 6.7  | 5.7   | 8.5    |
| 236       | 25.9 | 20.4  | 30.6   |





#77

Benzidine

Concen: 50.991 ng

RT: 19.19 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

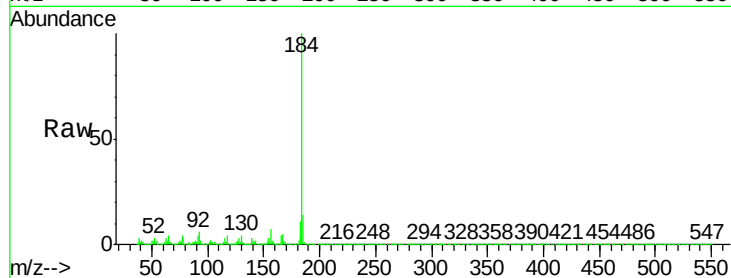
Tot Ion:184 Resp: 182118

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.4  | 10.6  | 16.0  |
| 183 | 11.1  | 9.4   | 14.0  |

184 100

185 14.4 10.6 16.0

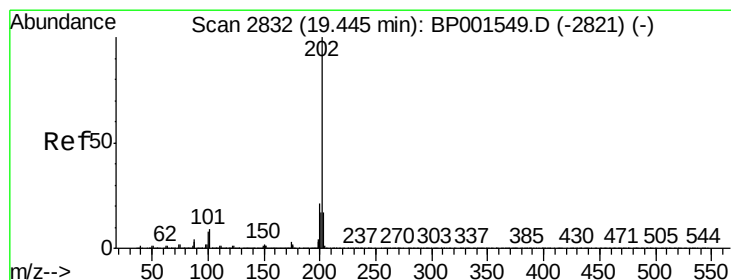
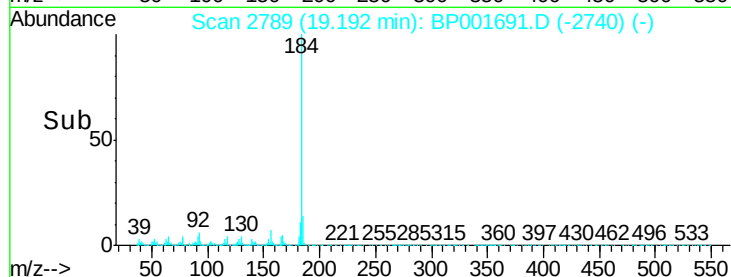
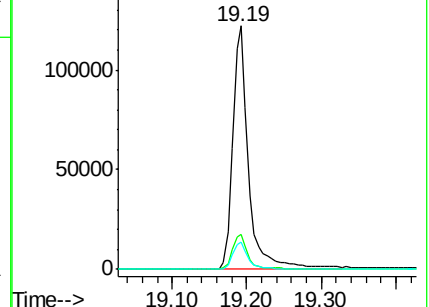
183 11.1 9.4 14.0



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



#78

Pyrene

Concen: 34.940 ng

RT: 19.36 min Scan# 2817

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

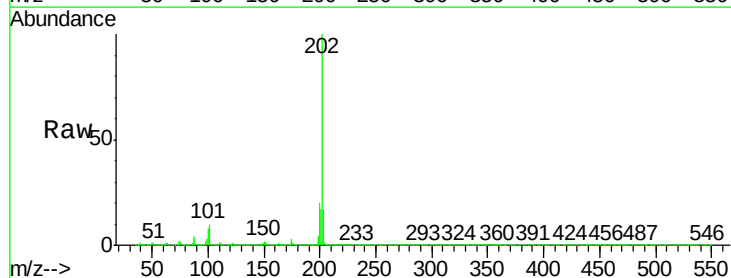
Tgt Ion:202 Resp: 401462

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 20.1  | 17.0  | 25.6  |
| 203 | 16.8  | 13.7  | 20.5  |

202 100

200 20.1 17.0 25.6

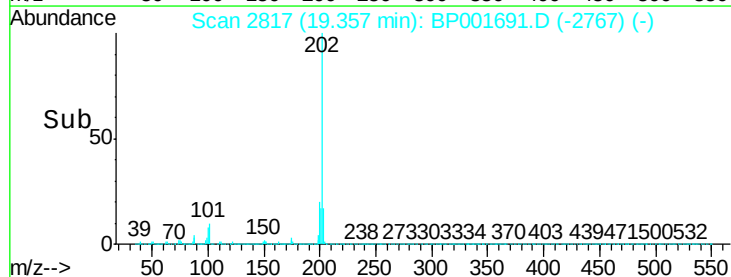
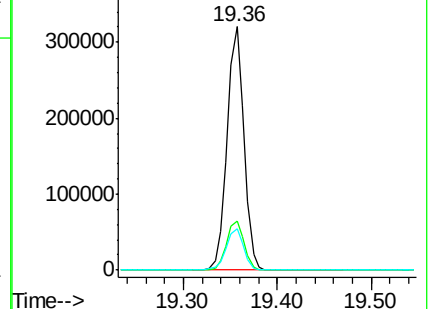
203 16.8 13.7 20.5

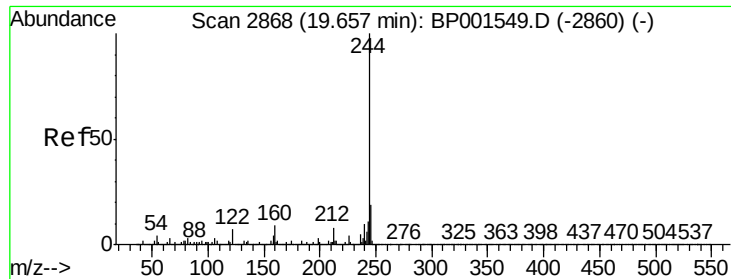


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.671 ng

RT: 19.57 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

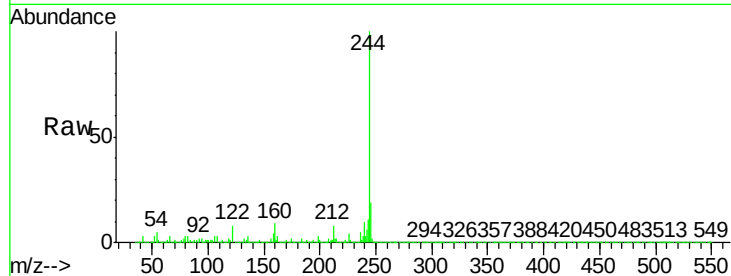
Tot Ion:244 Resp: 587271

Ion Ratio Lower Upper

244 100

212 8.2 6.3 9.5

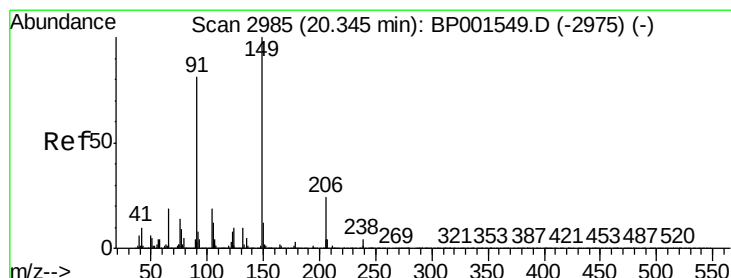
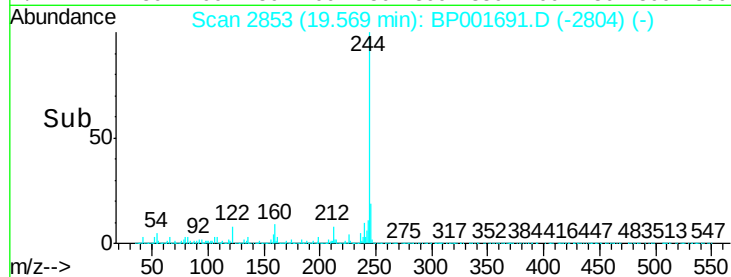
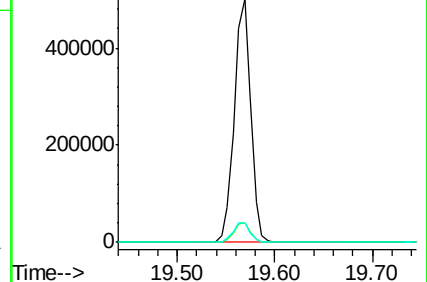
122 8.0 5.8 8.6



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: 34.742 ng

RT: 20.26 min Scan# 2970

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

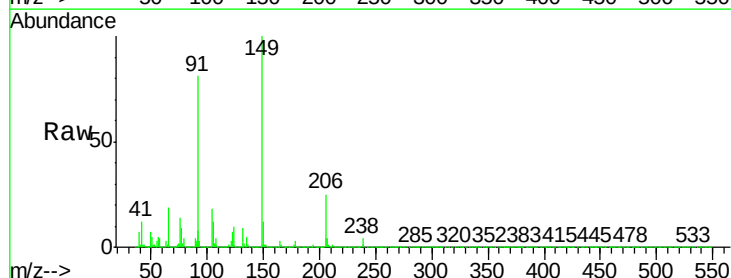
Tgt Ion:149 Resp: 151723

Ion Ratio Lower Upper

149 100

91 80.6 64.8 97.2

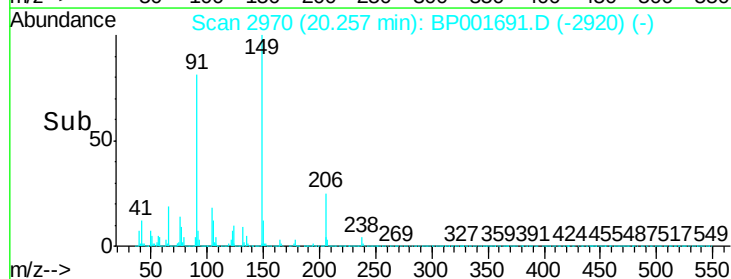
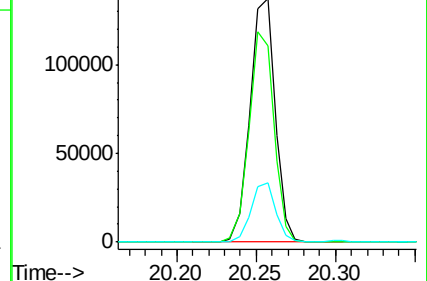
206 24.6 19.4 29.0

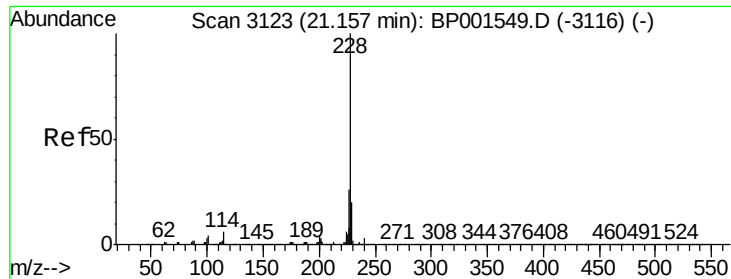


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

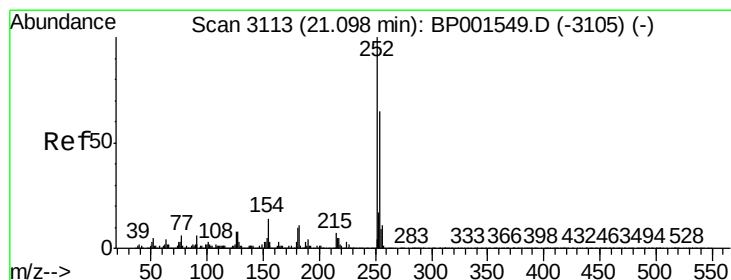
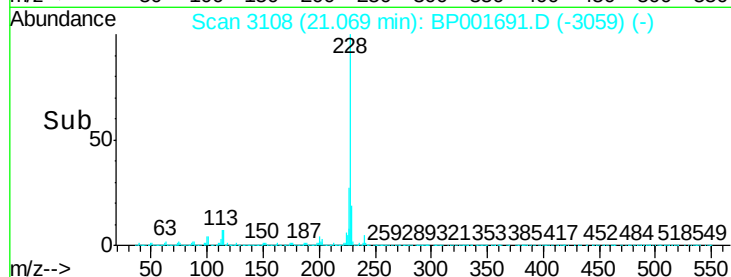
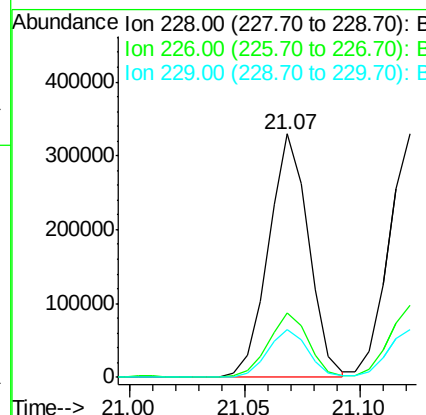
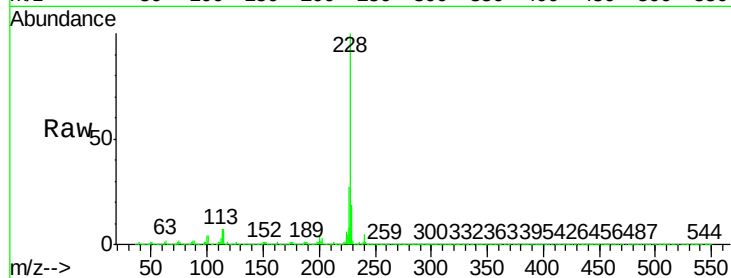




#81  
Benzo(a)anthracene  
Concen: 36.234 ng  
RT: 21.07 min Scan# 3108  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

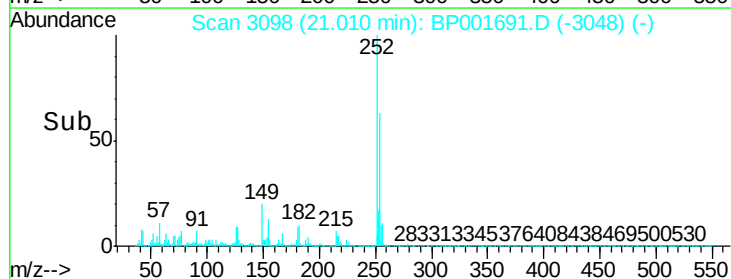
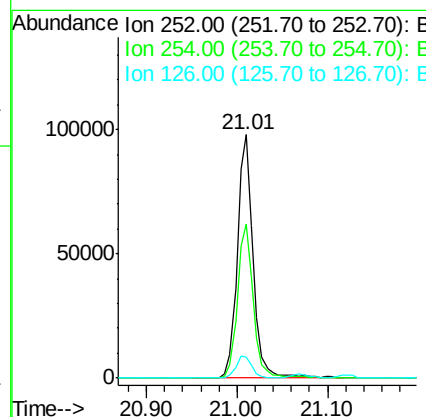
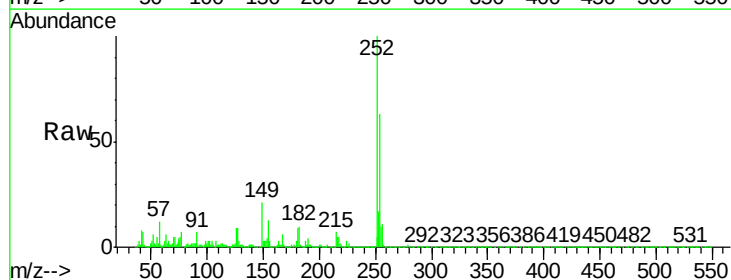
Instrument :  
BNA\_P  
ClientSampleId :

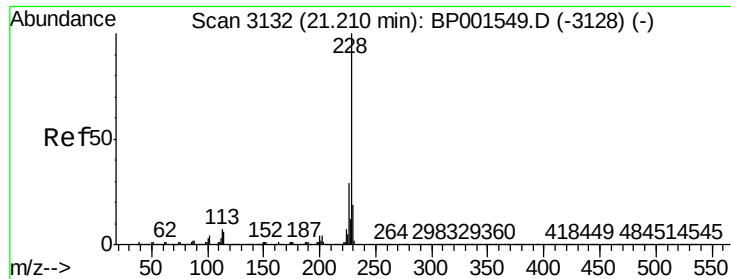
Tot Ion:228 Resp: 394720  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.2 31.8  
229 19.5 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 29.315 ng  
RT: 21.01 min Scan# 3098  
Delta R.T. -0.01 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

Tgt Ion:252 Resp: 119749  
Ion Ratio Lower Upper  
252 100  
254 63.4 52.2 78.2  
126 8.8 6.6 9.8





#83

Chrysene

Concen: 35.850 ng

RT: 21.12 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

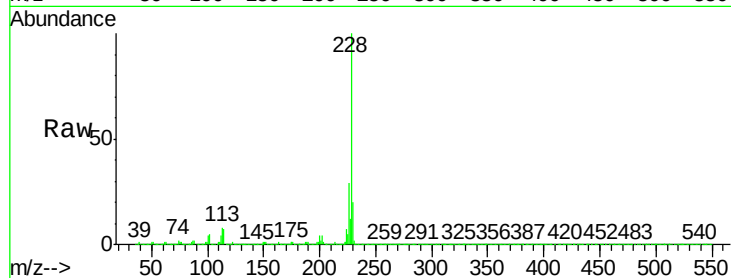
Instrument :

BNA\_P

ClientSampleId :

Tot Ion:228 Resp: 380597

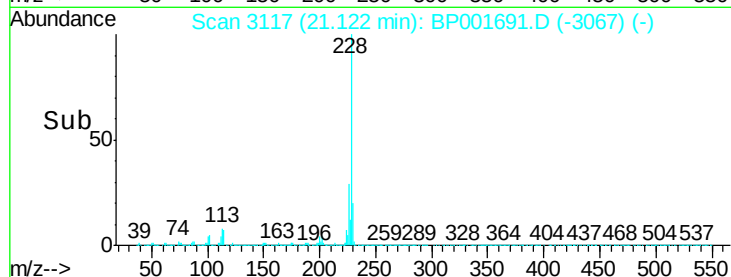
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.4  | 23.2  | 34.8  |
| 229 | 19.8  | 15.2  | 22.8  |



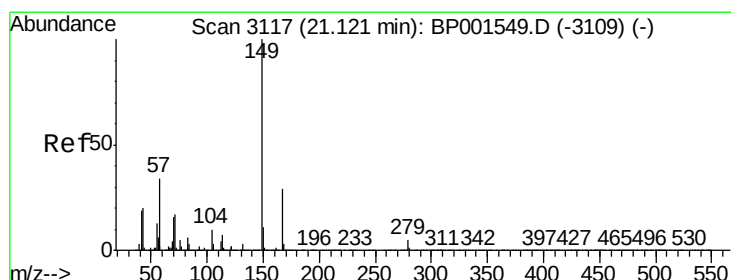
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.610 ng

RT: 21.03 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

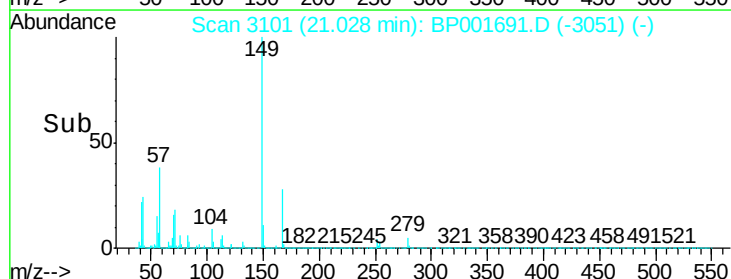
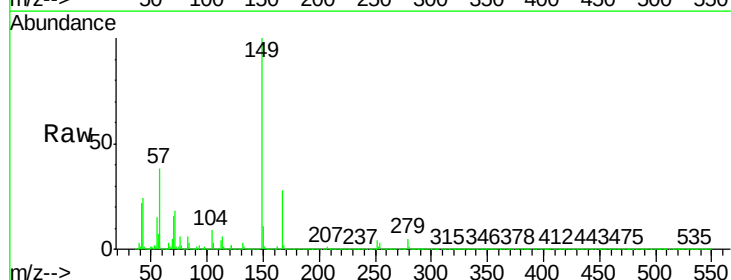
Tgt Ion:149 Resp: 225160

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.9  | 23.5  | 35.3  |
| 279 | 4.9   | 4.0   | 6.0   |

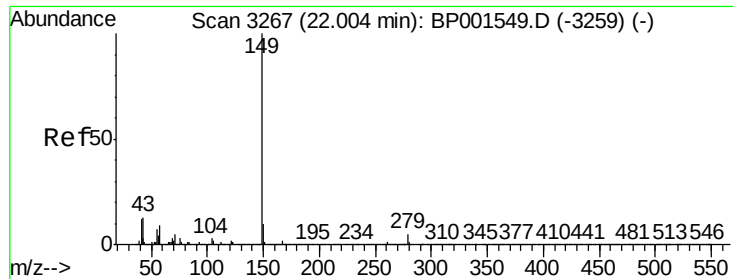
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#85

Di-n-octyl phthalate

Concen: 39.519 ng

RT: 21.89 min Scan# 3248

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

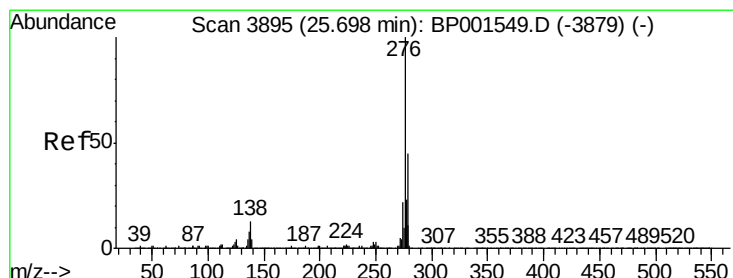
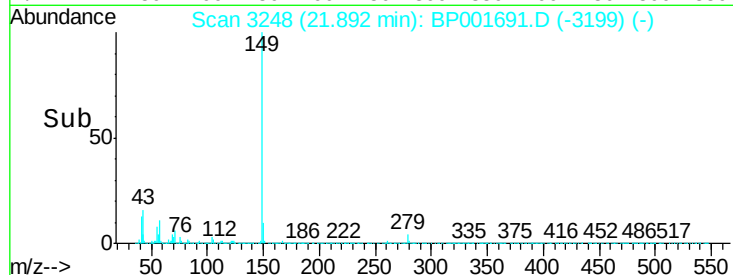
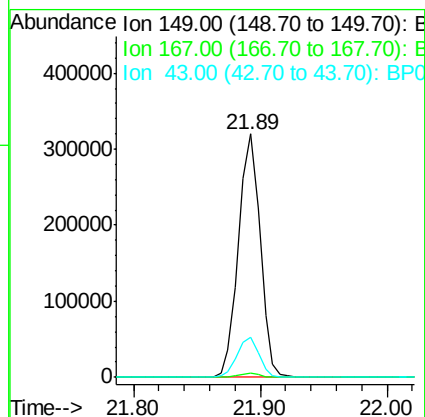
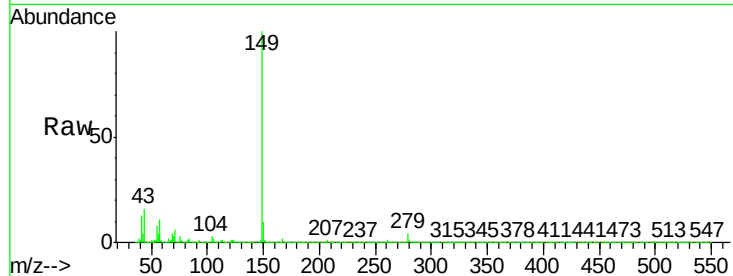
Instrument :

BNA\_P

ClientSampleId :

Tot Ion:149 Resp: 377241

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.6   | 1.4   | 2.0   |
| 43  | 16.4  | 10.7  | 16.1# |



#86

Indeno(1,2,3-cd)pyrene

Concen: 36.801 ng

RT: 25.49 min Scan# 3860

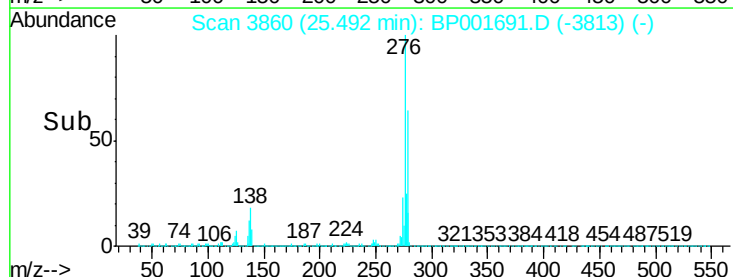
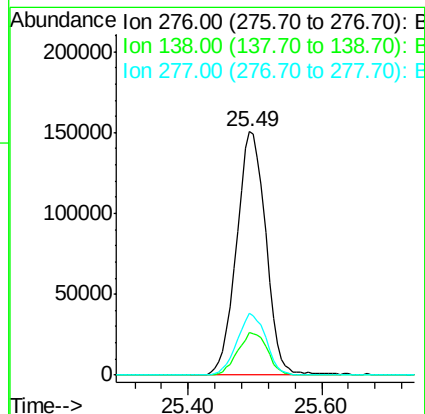
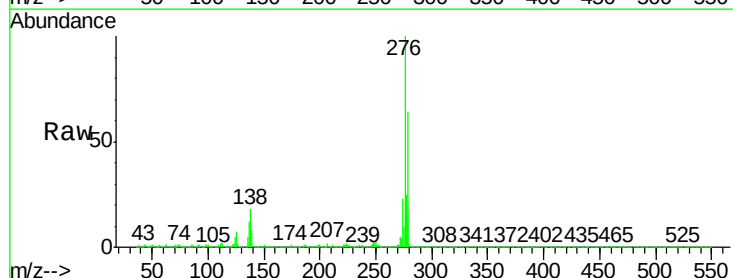
Delta R.T. -0.02 min

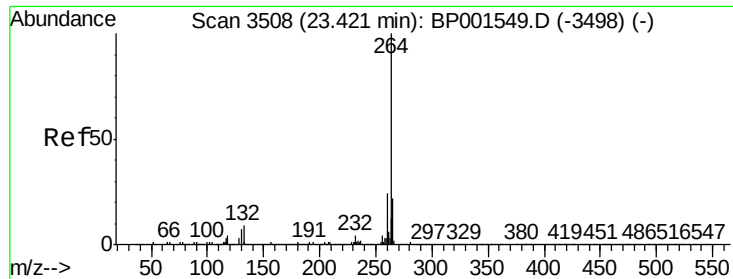
Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Tgt Ion:276 Resp: 457332

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 17.9  | 11.1  | 16.7# |
| 277 | 25.1  | 20.4  | 30.6  |





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.28 min Scan# 3484

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

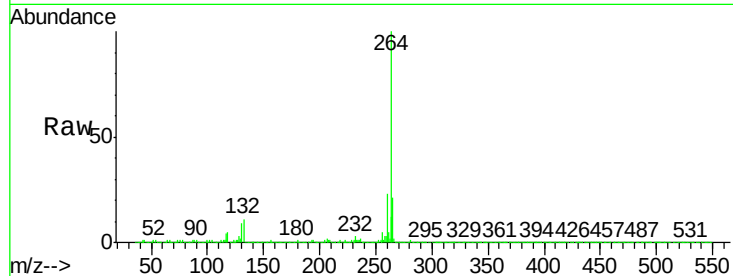
Tot Ion:264 Resp: 174037

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

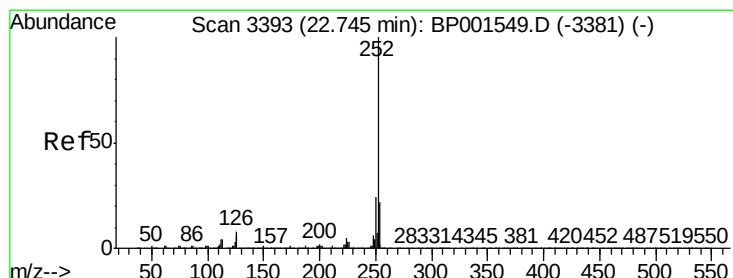
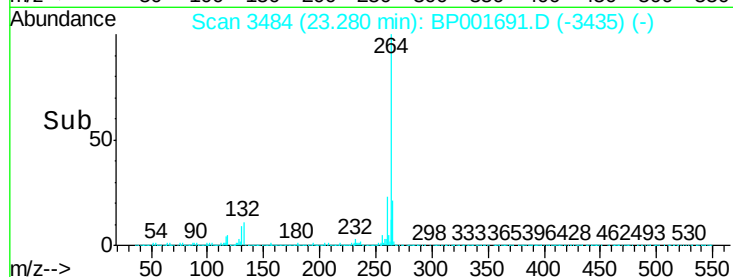
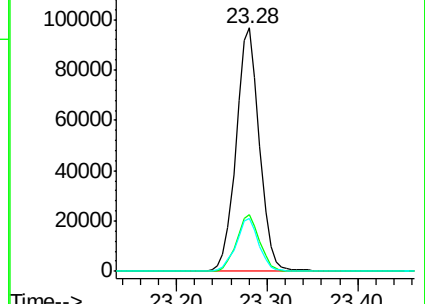
265 21.5 18.2 27.4



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: 35.947 ng

RT: 22.63 min Scan# 3373

Delta R.T. -0.01 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

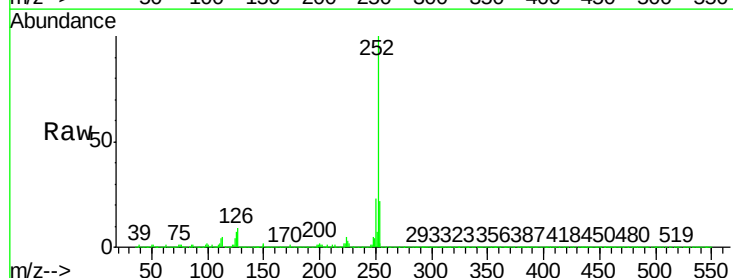
Tgt Ion:252 Resp: 394226

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

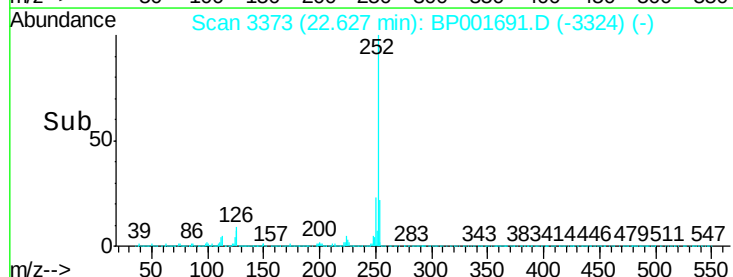
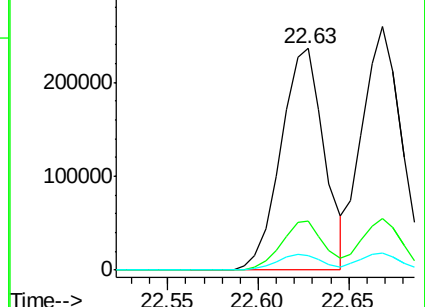
125 6.8 4.6 7.0



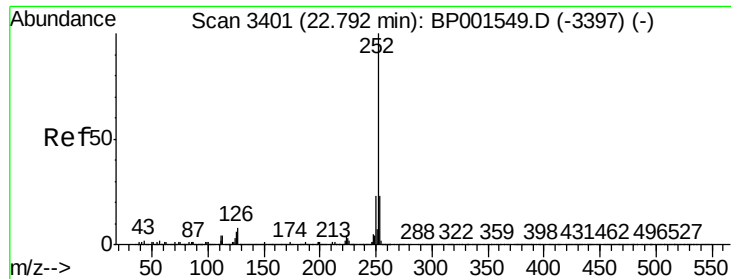
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



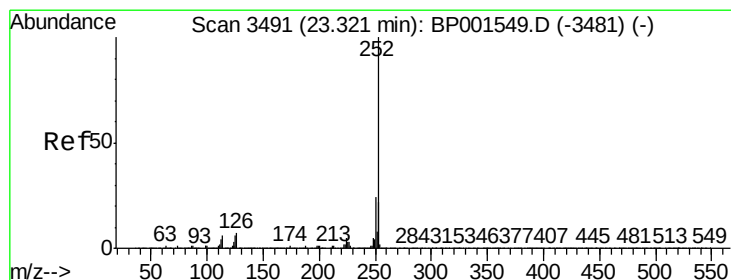
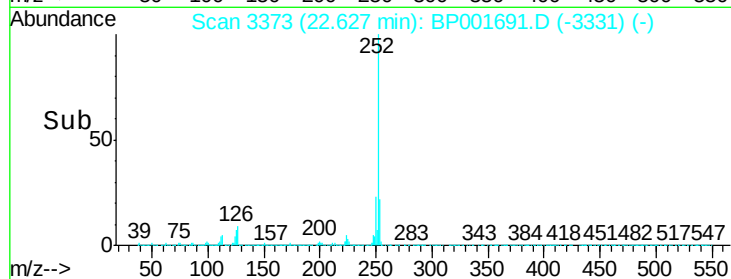
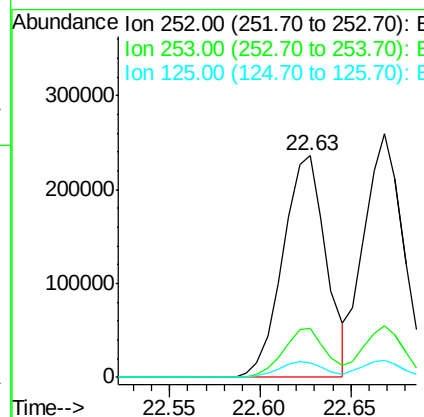
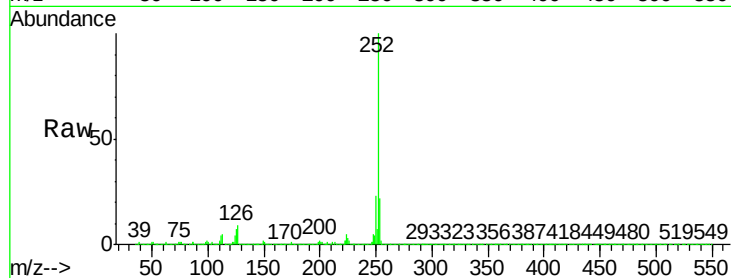




#89  
Benzo(k)fluoranthene  
Concen: 36.868 ng  
RT: 22.63 min Scan# 3373  
Delta R.T. -0.05 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

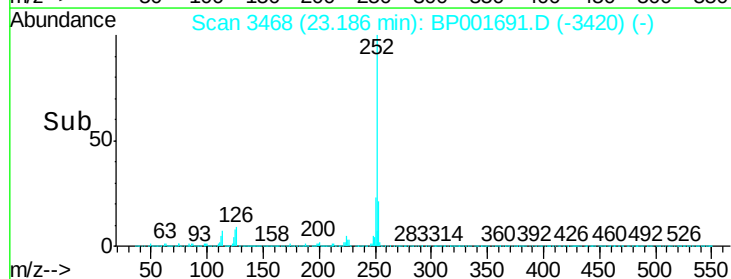
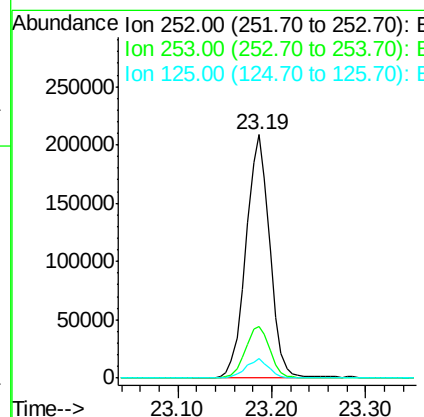
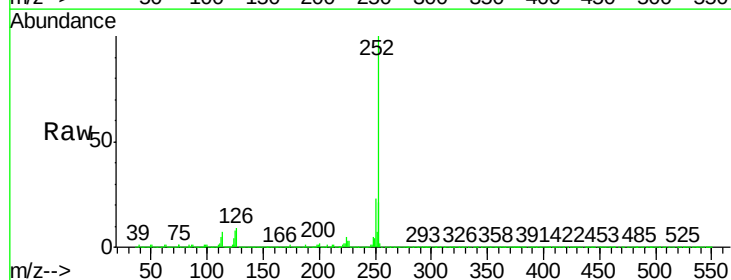
Instrument :  
BNA\_P  
ClientSampleId :

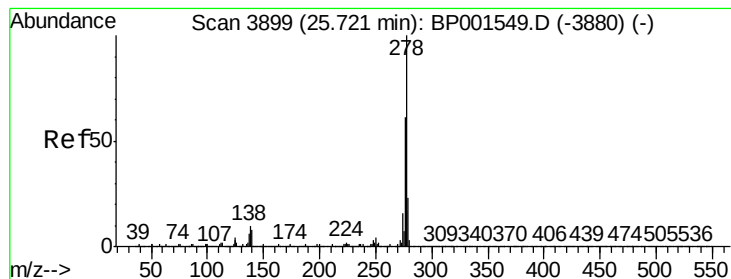
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 18.2  | 27.2  |
| 125     | 6.8   | 4.6   | 6.8   |



#90  
Benzo(a)pyrene  
Concen: 35.013 ng  
RT: 23.19 min Scan# 3468  
Delta R.T. -0.02 min  
Lab File: BP001691.D  
Acq: 27 Jan 2020 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.0  | 17.6  | 26.4  |
| 125     | 7.9   | 5.0   | 7.4   |





#91

Dibenzo(a,h)anthracene

Concen: 35.708 ng

RT: 25.51 min Scan# 3863

Delta R.T. -0.02 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

Instrument :

BNA\_P

ClientSampleId :

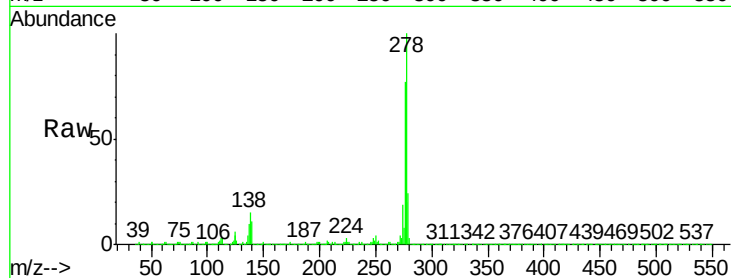
Tot Ion:278 Resp: 383635

Ion Ratio Lower Upper

278 100

139 10.8 6.7 10.1#

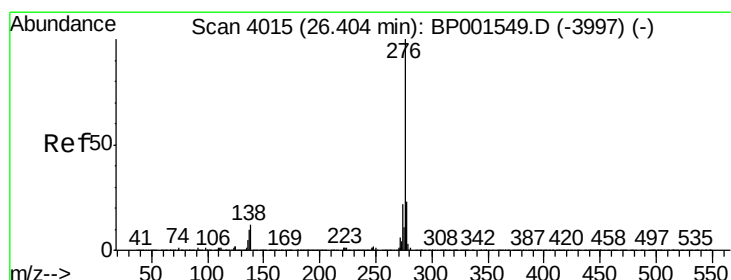
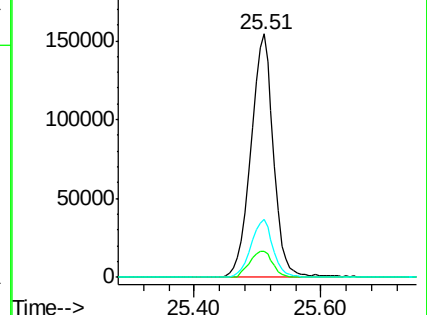
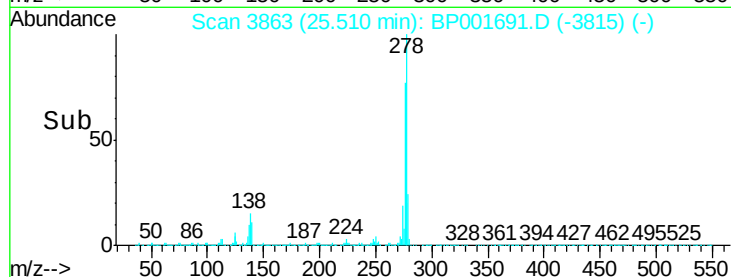
279 23.8 18.6 28.0



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: 35.782 ng

RT: 26.17 min Scan# 3975

Delta R.T. -0.02 min

Lab File: BP001691.D

Acq: 27 Jan 2020 15:16

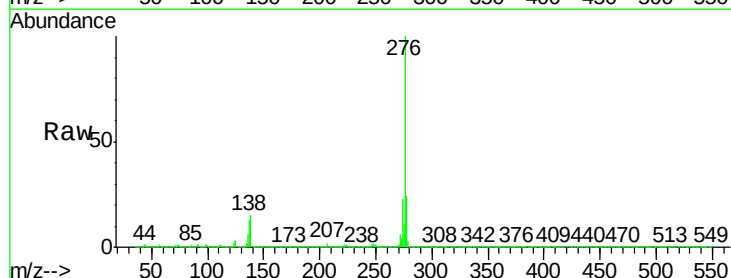
Tgt Ion:276 Resp: 382170

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 14.9 9.4 14.2#



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

