

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070920\  
 Data File : BP002699.D  
 Acq On : 09 Jul 2020 16:14  
 Operator : CG/JU  
 Sample : PB130037BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB130037BS

Quant Time: Jul 09 17:08:25 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 29 16:51:57 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 79773    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.34 | 136  | 387355   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.22 | 164  | 292072   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.97 | 188  | 750445   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.09 | 240  | 857787   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.28 | 264  | 1021823  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.19  | 112 | 794922  | 168.72 | ng | 0.00  |
| 7) Phenol-d6             | 6.77  | 99  | 1148175 | 174.60 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 8.71  | 82  | 677733  | 90.15  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.72 | 330 | 484471  | 136.38 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 12.83 | 172 | 1606717 | 80.97  | ng | 0.00  |
| 79) Terphenyl-d14        | 19.57 | 244 | 3178449 | 79.98  | ng | 0.00  |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.13  | 88  | 70200  | 34.763 | ng | 98     |
| 3) Pyridine                    | 3.52  | 79  | 230009 | 38.431 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.43  | 42  | 109073 | 42.933 | ng | # 86   |
| 6) Aniline                     | 6.90  | 93  | 360819 | 43.675 | ng | 98     |
| 8) 2-Chlorophenol              | 7.14  | 128 | 297988 | 56.935 | ng | 99     |
| 9) Benzaldehyde                | 6.71  | 77  | 93754  | 25.091 | ng | 98     |
| 10) Phenol                     | 6.79  | 94  | 422368 | 63.689 | ng | 94     |
| 11) bis(2-Chloroethyl)ether    | 7.00  | 93  | 281915 | 51.794 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.46  | 146 | 265218 | 43.915 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.60  | 146 | 269491 | 43.800 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.92  | 146 | 266718 | 45.034 | ng | 100    |
| 15) Benzyl Alcohol             | 7.81  | 79  | 272238 | 55.093 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.10  | 45  | 383446 | 50.563 | ng | 99     |
| 17) 2-Methylphenol             | 8.03  | 107 | 275771 | 55.556 | ng | 96     |
| 18) Hexachloroethane           | 8.63  | 117 | 95407  | 42.964 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.37  | 70  | 235180 | 54.506 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.36  | 107 | 381674 | 57.032 | ng | 97     |
| 22) Acetophenone               | 8.38  | 105 | 436835 | 44.555 | ng | # 98   |
| 24) Nitrobenzene               | 8.75  | 77  | 349188 | 43.882 | ng | 100    |
| 25) Isophorone                 | 9.28  | 82  | 700230 | 46.472 | ng | 97     |
| 26) 2-Nitrophenol              | 9.46  | 139 | 167322 | 46.106 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.55  | 122 | 296456 | 53.910 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 9.76  | 93  | 418546 | 48.357 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.00 | 162 | 319354 | 50.390 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.21 | 180 | 288720 | 40.466 | ng | 99     |
| 31) Naphthalene                | 10.39 | 128 | 902997 | 44.037 | ng | 99     |
| 32) Benzoic acid               | 9.70  | 122 | 223072 | 50.987 | ng | 98     |
| 33) 4-Chloroaniline            | 10.50 | 127 | 278279 | 31.025 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.69 | 225 | 153635 | 35.179 | ng | 96     |
| 35) Caprolactam                | 11.27 | 113 | 139978 | 65.705 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 11.66 | 107 | 381610 | 54.938 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.01 | 142 | 705109 | 47.160 | ng | 98     |
| 38) 1-Methylnaphthalene        | 12.23 | 142 | 678564 | 48.189 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216 | 345850 | 37.922 | ng | 99     |

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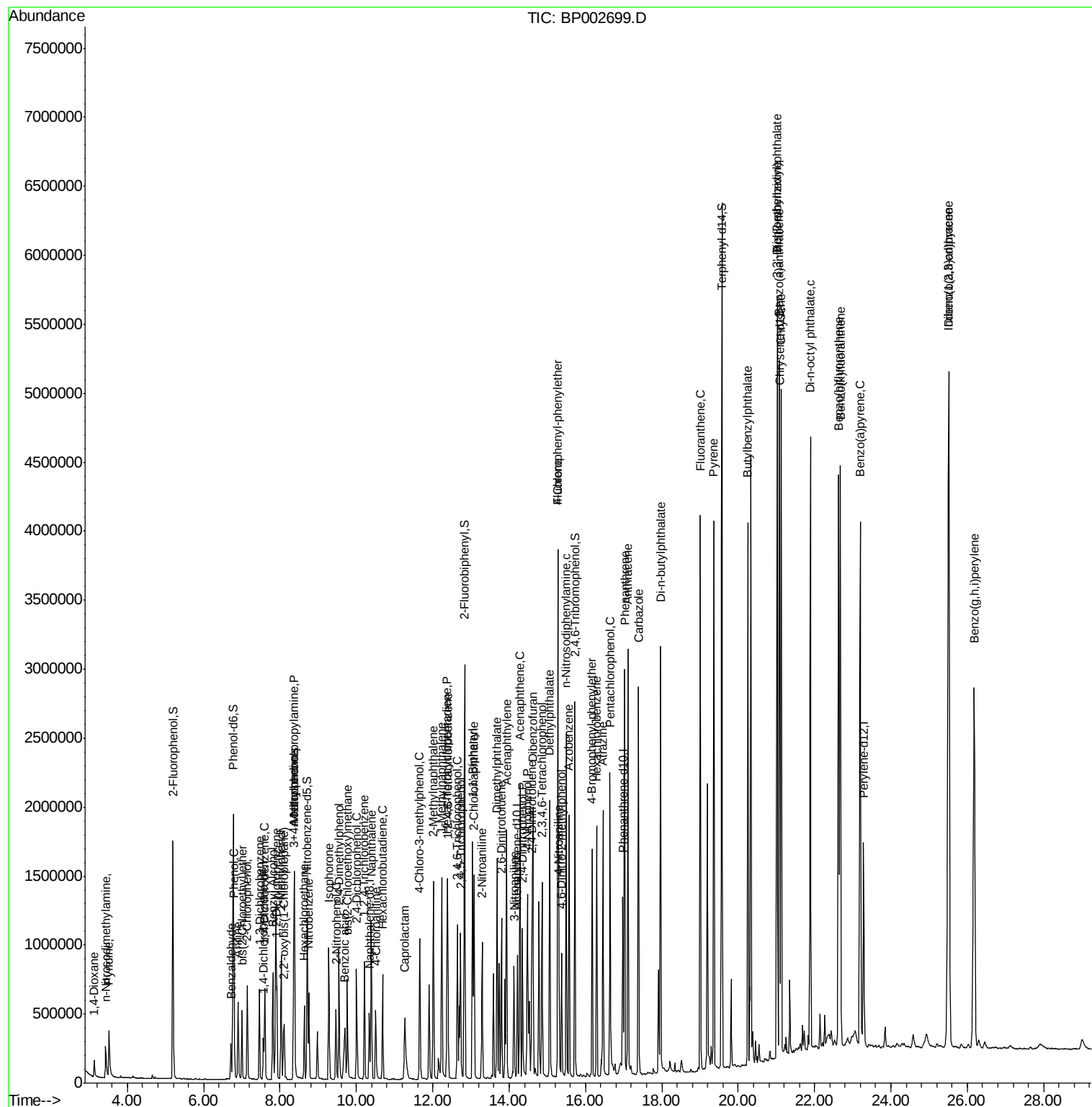
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.38 | 237  | 274387   | 58.860  | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.65 | 196  | 280274   | 45.419  | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.73 | 196  | 315197   | 44.371  | nq    | 98       |
| 46) 1,1'-Biphenyl              | 13.05 | 154  | 920761   | 41.676  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.08 | 162  | 732317   | 40.720  | nq    | 95       |
| 48) 2-Nitroaniline             | 13.29 | 65   | 277976   | 48.450  | nq    | 96       |
| 49) Acenaphthylene             | 13.93 | 152  | 1253314  | 44.281  | nq    | 99       |
| 50) Dimethylphthalate          | 13.69 | 163  | 1059972  | 46.206  | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.80 | 165  | 235979   | 47.630  | nq    | 94       |
| 52) Acenaphthene               | 14.28 | 154  | 740413   | 44.338  | nq    | 98       |
| 53) 3-Nitroaniline             | 14.13 | 138  | 209675   | 38.868  | nq    | 98       |
| 54) 2,4-Dinitrophenol          | 14.35 | 184  | 259640   | 83.763  | nq    | 87       |
| 55) Dibenzofuran               | 14.62 | 168  | 1217705  | 44.997  | nq    | 99       |
| 56) 4-Nitrophenol              | 14.47 | 139  | 459642   | 107.084 | nq    | 93       |
| 57) 2,4-Dinitrotoluene         | 14.60 | 165  | 341698   | 51.270  | nq    | 98       |
| 58) Fluorene                   | 15.27 | 166  | 980029   | 47.550  | nq    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 291624   | 50.819  | nq    | 97       |
| 60) Diethylphthalate           | 15.06 | 149  | 1104561  | 48.422  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.27 | 204  | 483235   | 43.720  | nq    | 94       |
| 62) 4-Nitroaniline             | 15.30 | 138  | 294552   | 54.630  | nq    | 88       |
| 63) Azobenzene                 | 15.57 | 77   | 1096133  | 49.697  | nq    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 206753   | 43.098  | nq    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.49 | 169  | 938712   | 42.849  | nq    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.17 | 248  | 320960   | 38.060  | nq    | 95       |
| 68) Hexachlorobenzene          | 16.29 | 284  | 361271   | 39.988  | nq    | 96       |
| 69) Atrazine                   | 16.46 | 200  | 337119   | 47.958  | nq    | 99       |
| 70) Pentachlorophenol          | 16.65 | 266  | 428206   | 82.838  | nq    | 95       |
| 71) Phenanthrene               | 17.02 | 178  | 1781503  | 44.122  | nq    | 98       |
| 72) Anthracene                 | 17.11 | 178  | 1833211  | 45.626  | nq    | 100      |
| 73) Carbazole                  | 17.39 | 167  | 1820515  | 46.883  | nq    | 99       |
| 74) Di-n-butylphthalate        | 17.96 | 149  | 2173125  | 47.520  | nq    | 99       |
| 75) Fluoranthene               | 19.00 | 202  | 2323688  | 47.544  | nq    | 96       |
| 77) Benzidine                  | 19.19 | 184  | 1249583  | Below   | Cal   | 99       |
| 78) Pyrene                     | 19.36 | 202  | 2408223  | 41.246  | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.25 | 149  | 1090213  | 42.770  | nq    | 99       |
| 81) Benzo(a)anthracene         | 21.07 | 228  | 2441495  | 43.536  | nq    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.01 | 252  | 771014   | 37.554  | nq    | 100      |
| 83) Chrysene                   | 21.12 | 228  | 2349288  | 43.687  | nq    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.02 | 149  | 1572851  | 42.971  | nq    | 99       |
| 85) Di-n-octyl phthalate       | 21.89 | 149  | 2993719  | 46.307  | nq    | 100      |
| 87) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 3663110  | 49.789  | nq    | 97       |
| 88) Benzo(b)fluoranthene       | 22.63 | 252  | 2841027  | 43.573  | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 22.67 | 252  | 2715255  | 44.639  | nq    | 99       |
| 90) Benzo(a)pyrene             | 23.19 | 252  | 2711677  | 45.320  | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 25.52 | 278  | 3001729  | 49.930  | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 26.18 | 276  | 3134821  | 52.138  | nq    | 97       |

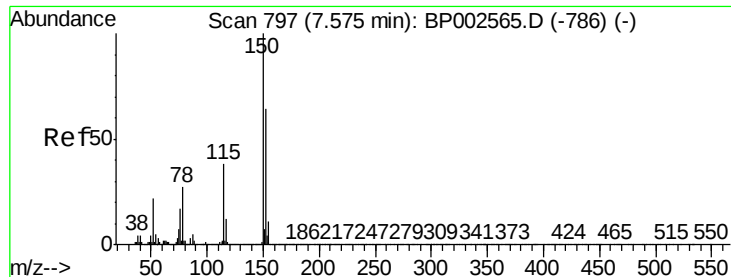
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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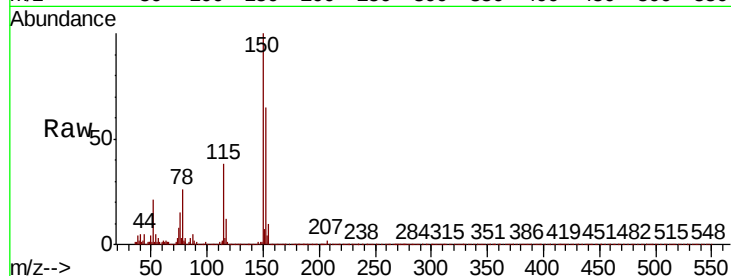


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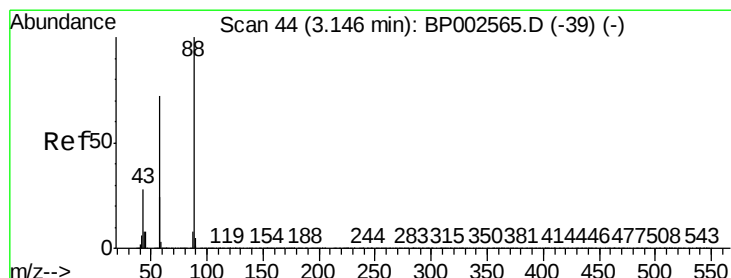
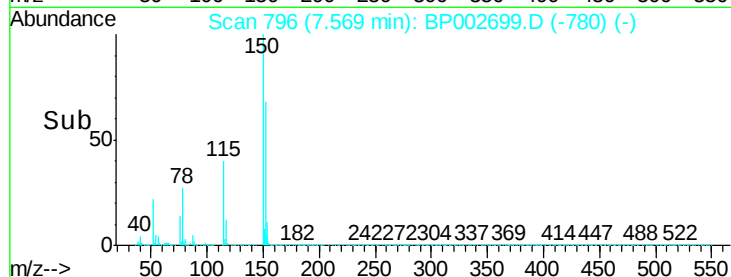
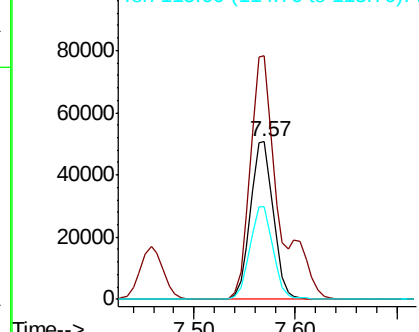
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.57 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

Tot Ion:152 Resp: 79773  
Ion Ratio Lower Upper  
152 100  
150 154.7 124.2 186.2  
115 58.6 47.1 70.7



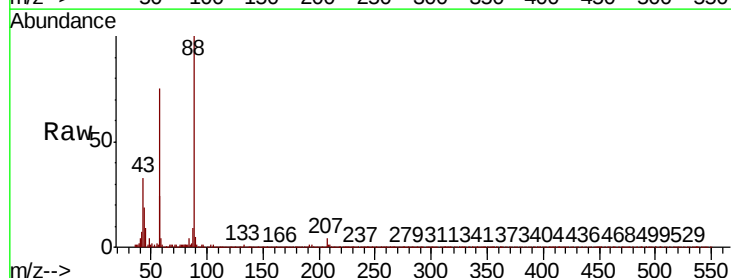
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



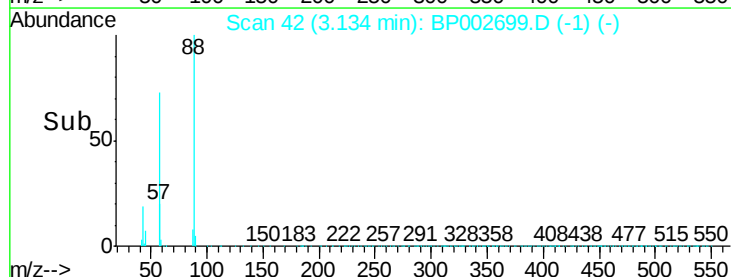
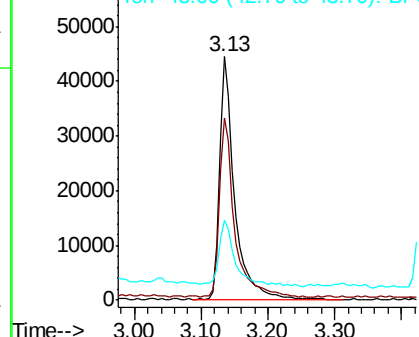
#2

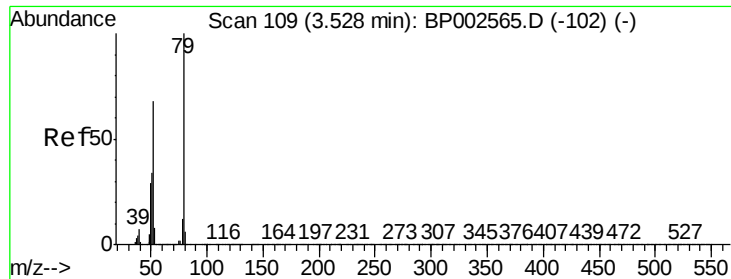
1,4-Dioxane  
Concen: 34.763 ng  
RT: 3.13 min Scan# 42  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Tgt Ion: 88 Resp: 70200  
Ion Ratio Lower Upper  
88 100  
58 74.8 58.1 87.1  
43 29.9 23.2 34.8



Abundance Ion 88.00 (87.70 to 88.70): BP0  
Ion 58.00 (57.70 to 58.70): BP0  
Ion 43.00 (42.70 to 43.70): BP0





#3

Pvridine

Concen: 38.431 ng

RT: 3.52 min Scan# 107

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampleId :

PB130037BS

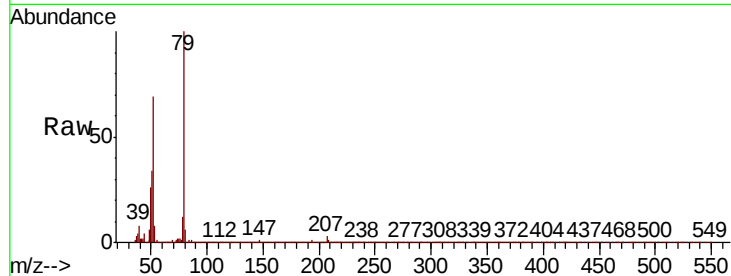
Tot Ion: 79 Resp: 230009

Ion Ratio Lower Upper

79 100

52 68.7 54.5 81.7

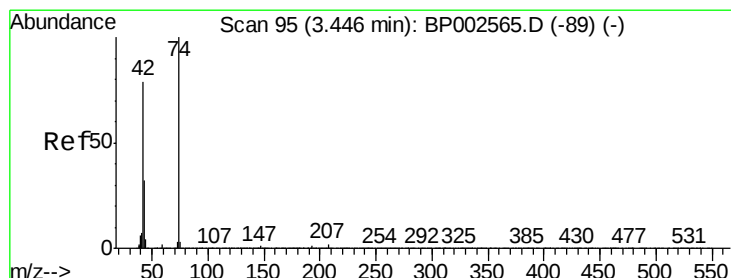
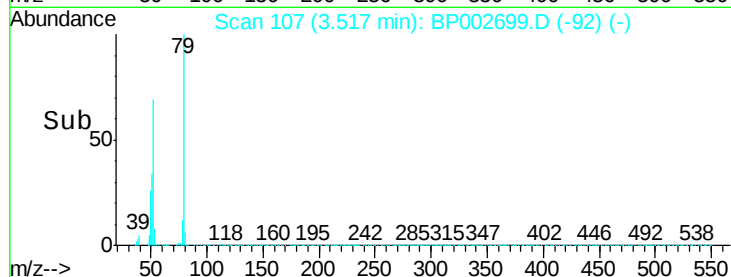
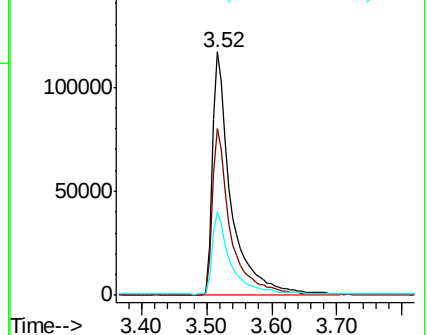
51 34.4 27.8 41.6



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: 42.933 ng

RT: 3.43 min Scan# 93

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

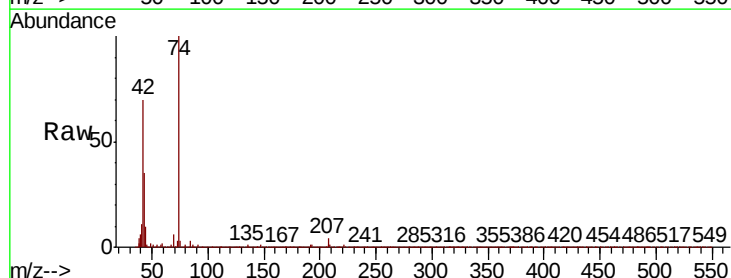
Tgt Ion: 42 Resp: 109073

Ion Ratio Lower Upper

42 100

74 143.1 101.7 152.5

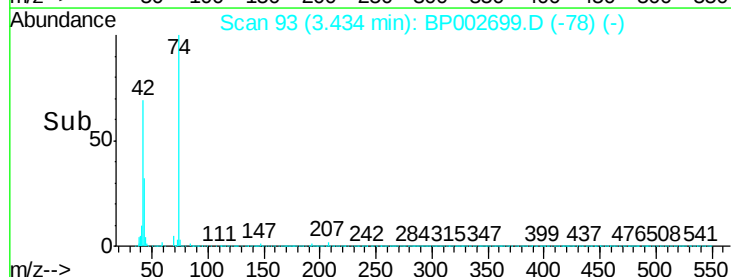
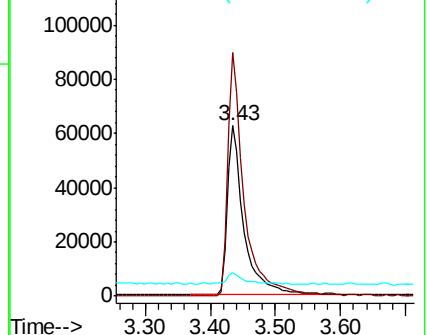
44 13.7 4.9 7.3#

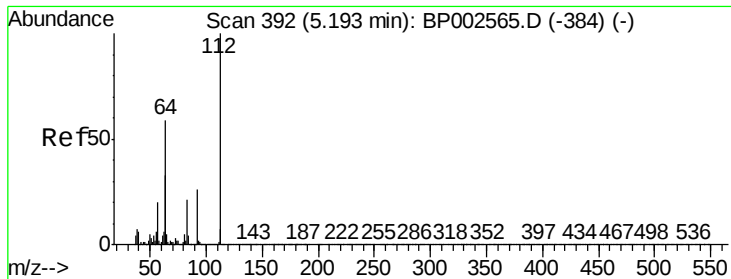


Abundance Ion 42.00 (41.70 to 42.70): BP0

Ion 74.00 (73.70 to 74.70): BP0

Ion 44.00 (43.70 to 44.70): BP0





#5

2-Fluorophenol

Concen: 168.715 ng

RT: 5.19 min Scan# 392

Delta R.T. 0.00 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

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BNA\_P

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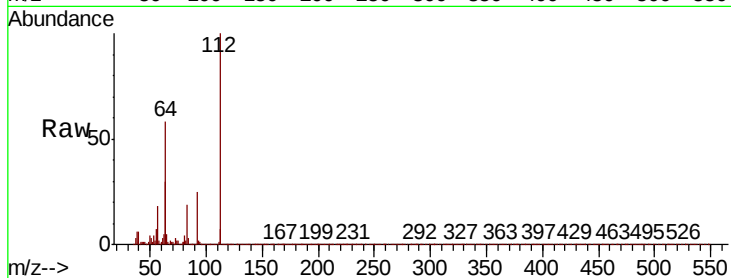
Tot Ion:112 Resp: 794922

Ion Ratio Lower Upper

112 100

64 57.7 47.0 70.6

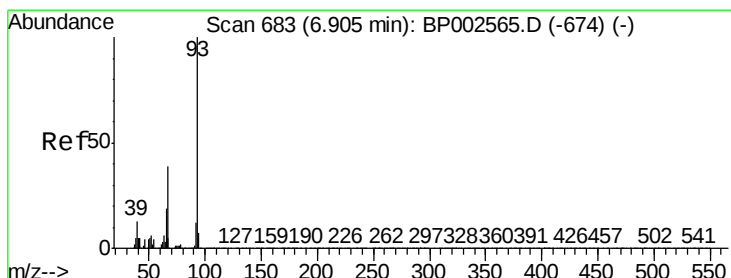
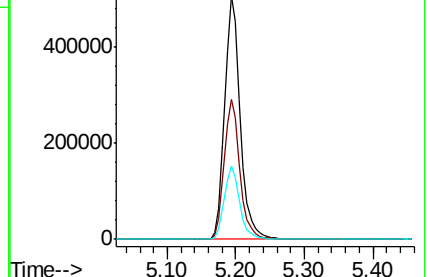
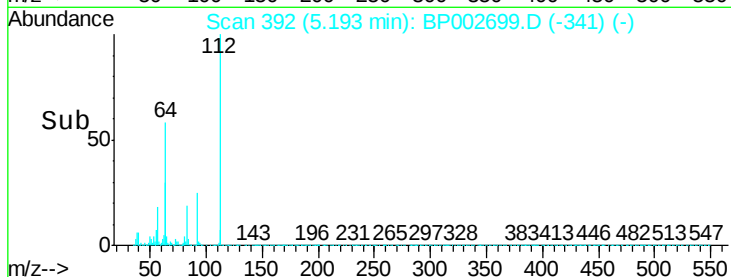
63 30.2 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 43.675 ng

RT: 6.90 min Scan# 682

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

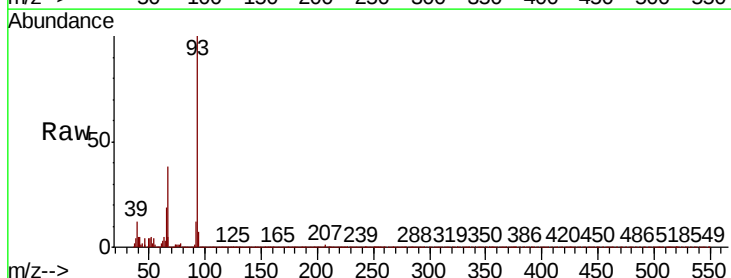
Tgt Ion: 93 Resp: 360819

Ion Ratio Lower Upper

93 100

66 38.2 31.6 47.4

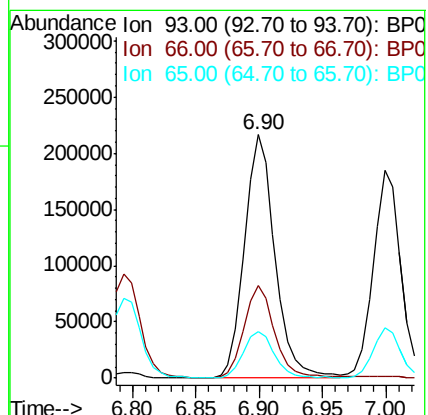
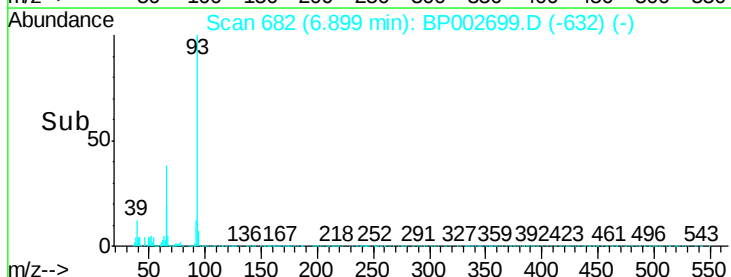
65 19.1 15.7 23.5

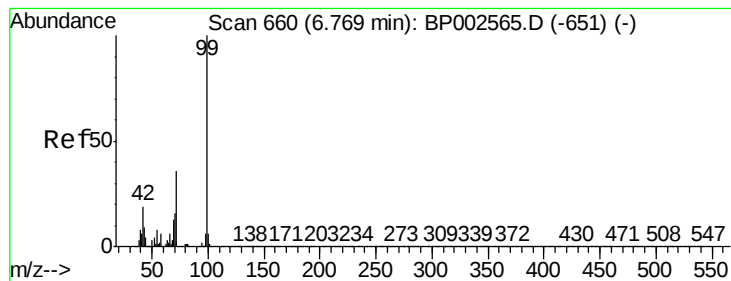


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 174.595 ng

RT: 6.77 min Scan# 660

Delta R.T. 0.00 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

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ClientSampleId :

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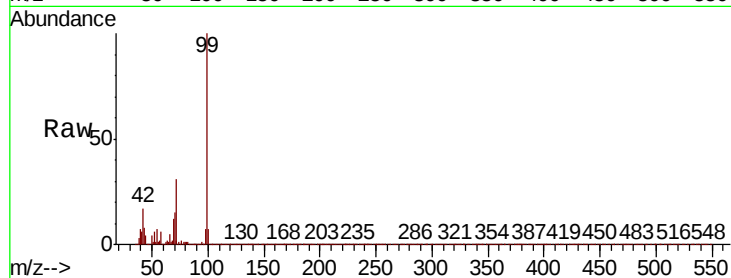
Tot Ion: 99 Resp: 1148175

Ion Ratio Lower Upper

99 100

42 17.2 15.5 23.3

71 31.5 28.9 43.3



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

800000

600000

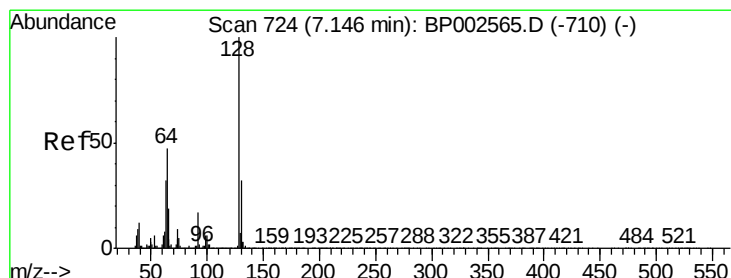
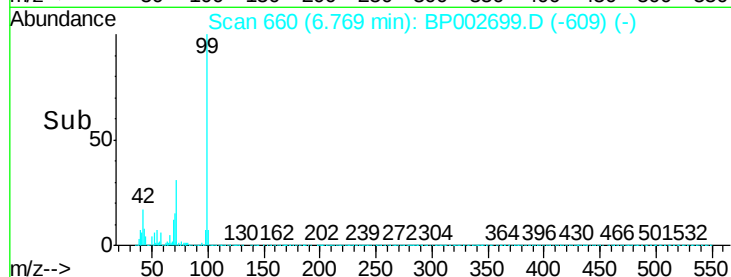
400000

200000

0

6.60 6.70 6.80 6.90 7.00

Time-->



#8

2-Chlorophenol

Concen: 56.935 ng

RT: 7.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

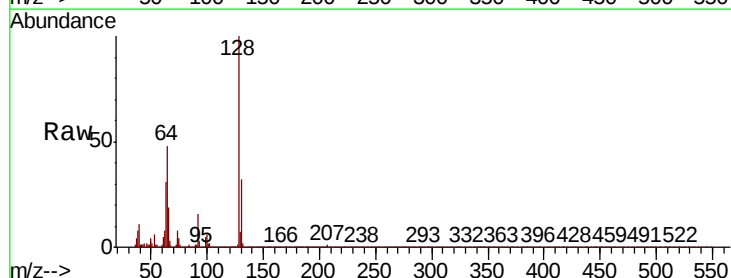
Tgt Ion: 128 Resp: 297988

Ion Ratio Lower Upper

128 100

130 31.6 11.8 51.8

64 48.4 26.9 66.9



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

250000

200000

150000

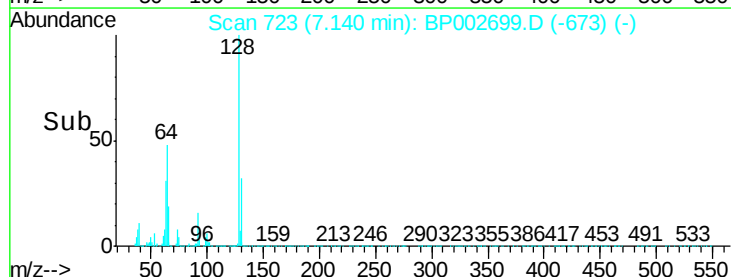
100000

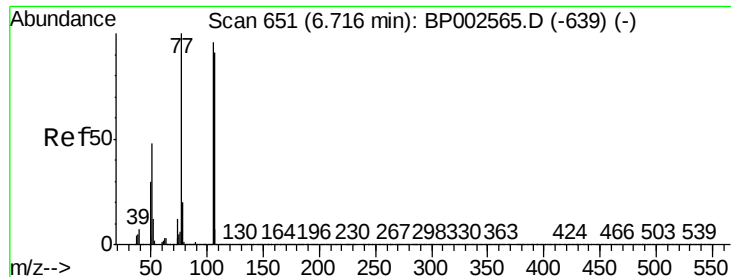
50000

0

7.10 7.20

Time-->





#9

Benzaldehyde

Concen: 25.091 ng

RT: 6.71 min Scan# 650

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampleId :

PB130037BS

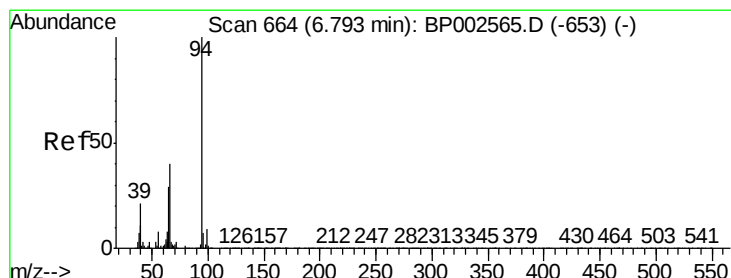
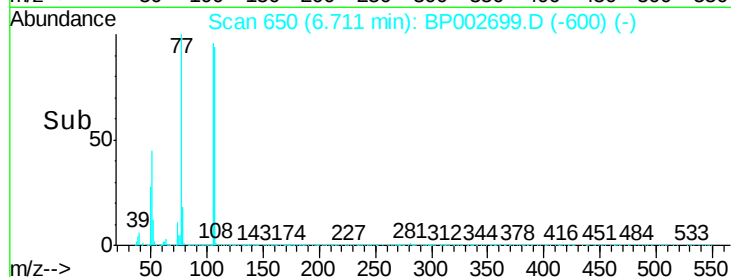
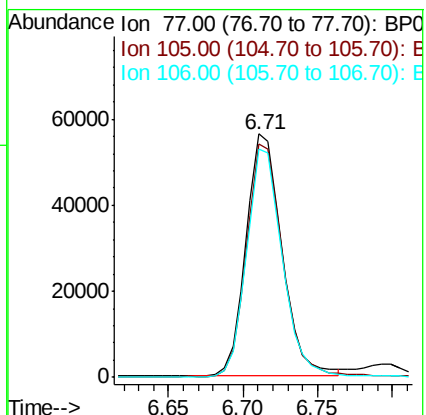
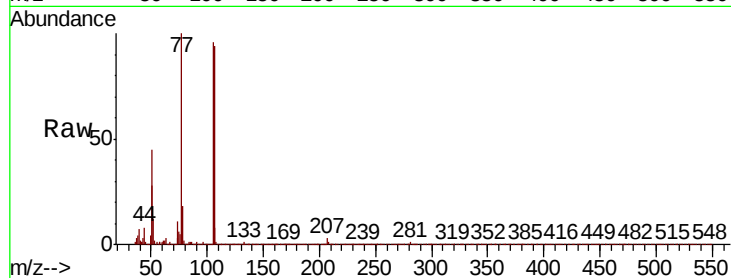
Tot Ion: 77 Resp: 93754

Ion Ratio Lower Upper

77 100

105 96.1 76.5 116.5

106 93.6 70.9 110.9



#10

Phenol

Concen: 63.689 ng

RT: 6.79 min Scan# 664

Delta R.T. 0.00 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

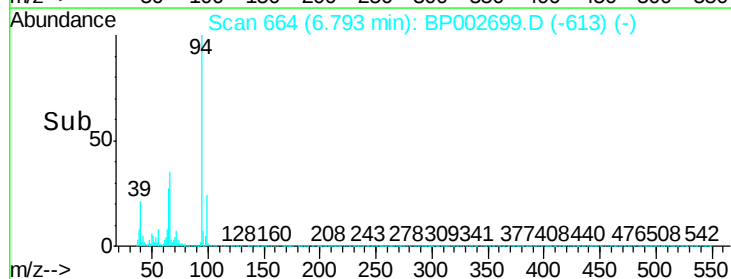
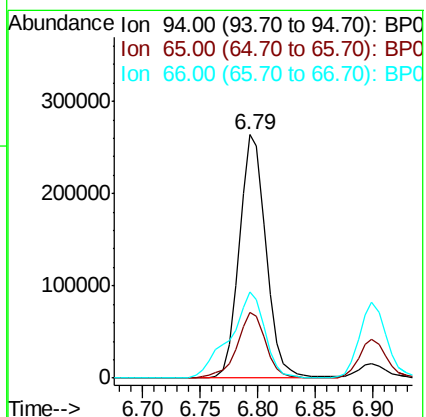
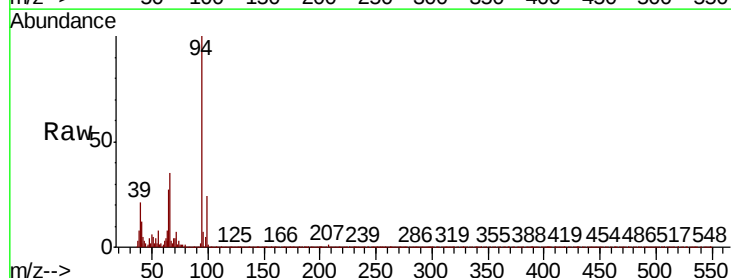
Tgt Ion: 94 Resp: 422368

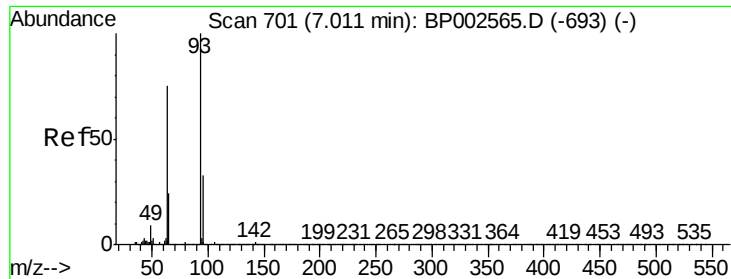
Ion Ratio Lower Upper

94 100

65 27.1 8.8 48.8

66 35.3 19.9 59.9

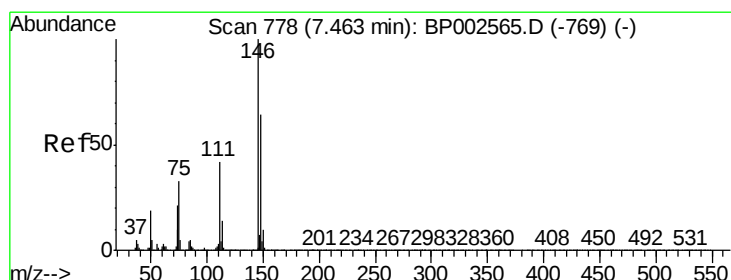
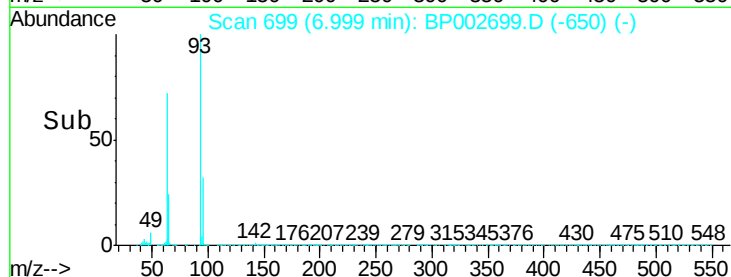
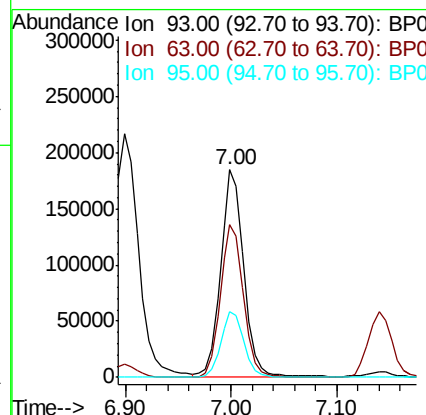
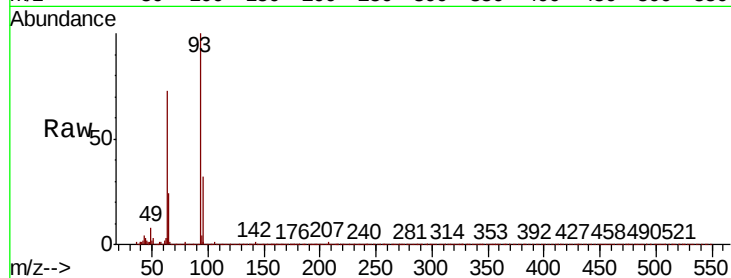




#11  
bis(2-Chloroethyl)ether  
Concen: 51.794 ng  
RT: 7.00 min Scan# 699  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

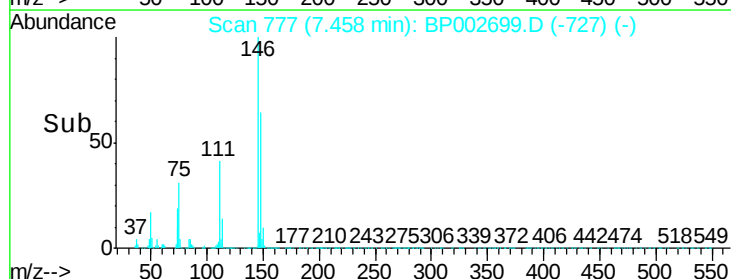
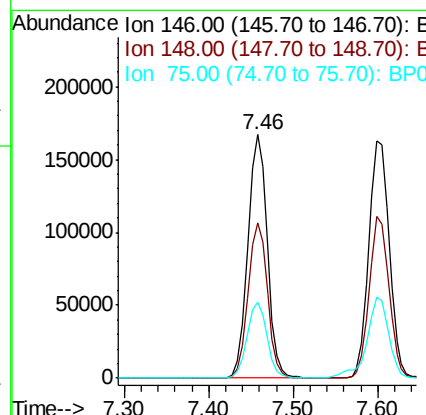
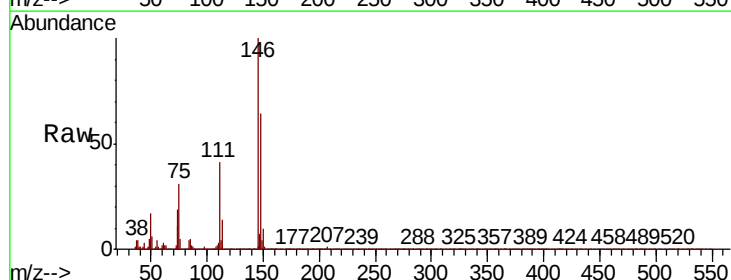
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

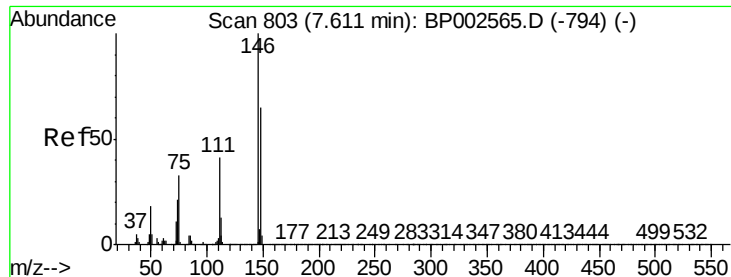
| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 93      | 93  | 100   |       |       |
| 63      | 63  | 73.4  | 54.5  | 94.5  |
| 95      | 95  | 31.7  | 13.1  | 53.1  |



#12  
1,3-Dichlorobenzene  
Concen: 43.915 ng  
RT: 7.46 min Scan# 777  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 146     | 146 | 100   |       |       |
| 148     | 148 | 63.8  | 51.3  | 76.9  |
| 75      | 75  | 31.3  | 26.1  | 39.1  |

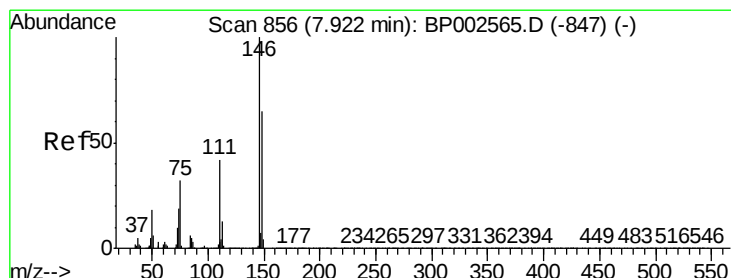
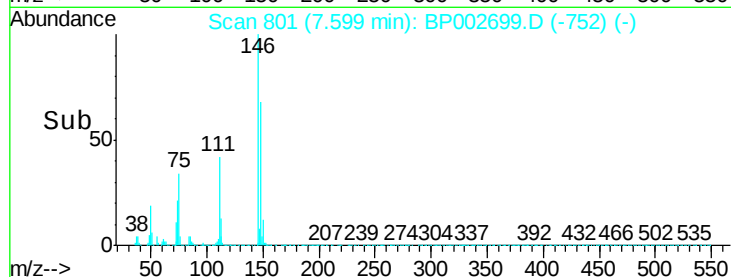
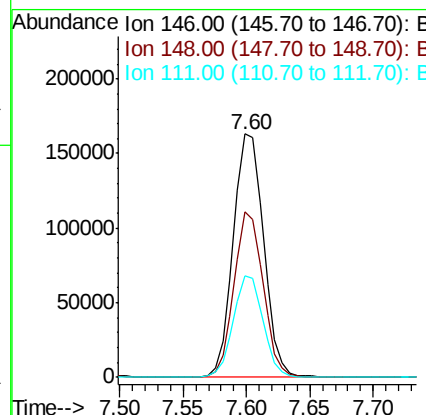
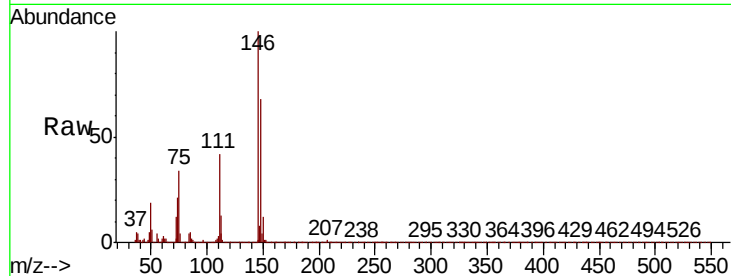




#13  
 1,4-Dichlorobenzene  
 Concen: 43.800 ng  
 RT: 7.60 min Scan# 801  
 Delta R.T. -0.01 min  
 Lab File: BP002699.D  
 Acq: 09 Jul 2020 16:14

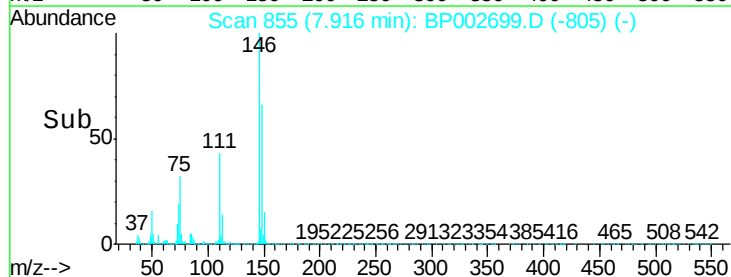
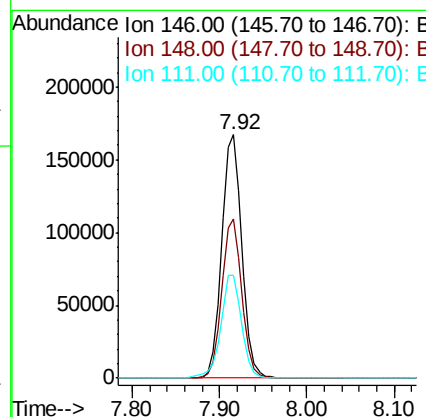
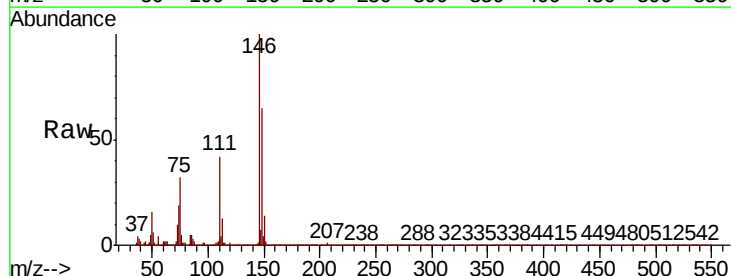
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB130037BS

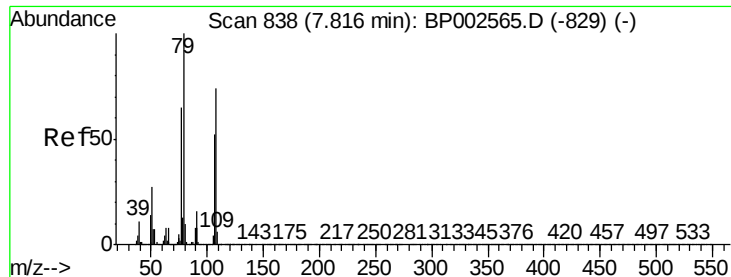
Tot Ion:146 Resp: 269491  
 Ion Ratio Lower Upper  
 146 100  
 148 68.0 51.8 77.6  
 111 41.8 32.8 49.2



#14  
 1,2-Dichlorobenzene  
 Concen: 45.034 ng  
 RT: 7.92 min Scan# 855  
 Delta R.T. -0.01 min  
 Lab File: BP002699.D  
 Acq: 09 Jul 2020 16:14

Tgt Ion:146 Resp: 266718  
 Ion Ratio Lower Upper  
 146 100  
 148 65.4 52.2 78.2  
 111 42.2 34.1 51.1





#15

Benzyl Alcohol

Concen: 55.093 ng

RT: 7.81 min Scan# 837

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampled :

PB130037BS

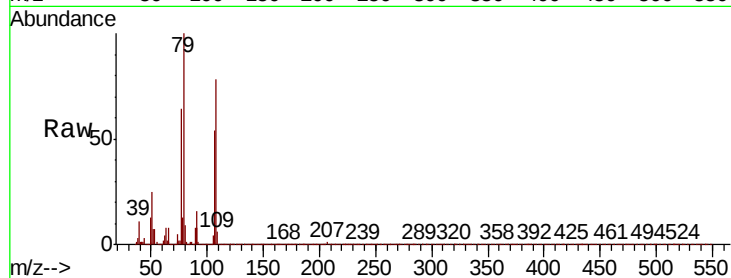
Tot Ion: 79 Resp: 272238

Ion Ratio Lower Upper

79 100

108 78.4 59.4 89.2

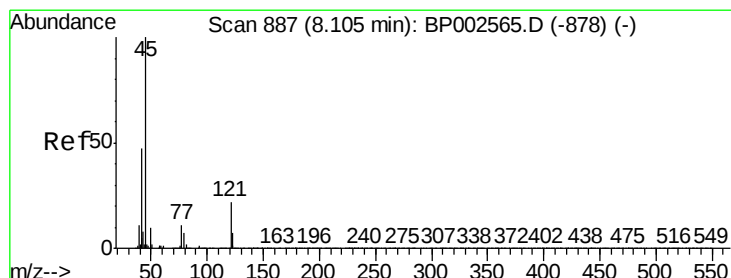
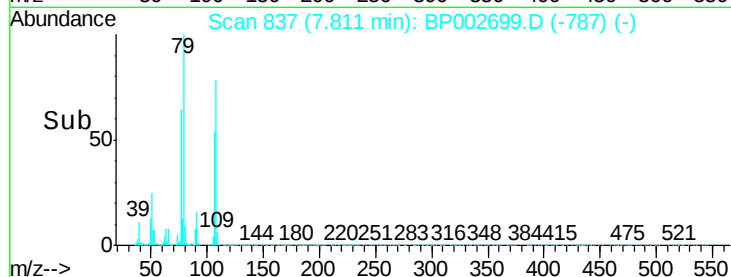
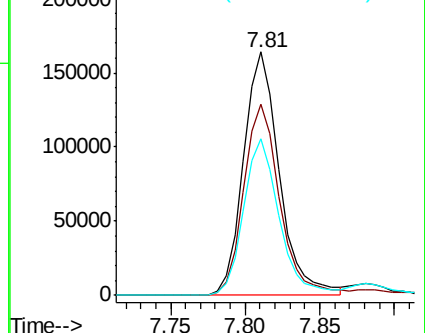
77 64.2 51.9 77.9



Abundance Ion 79.00 (78.70 to 79.70): BP0

Ion 108.00 (107.70 to 108.70): BP0

Ion 77.00 (76.70 to 77.70): BP0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 50.563 ng

RT: 8.10 min Scan# 887

Delta R.T. 0.00 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

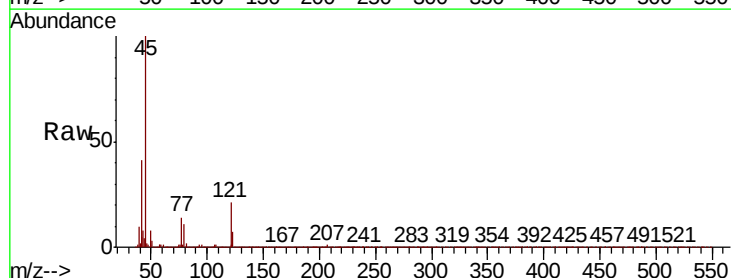
Tgt Ion: 45 Resp: 383446

Ion Ratio Lower Upper

45 100

77 14.5 0.0 35.0

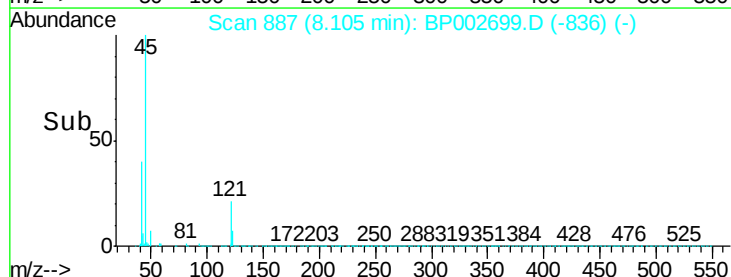
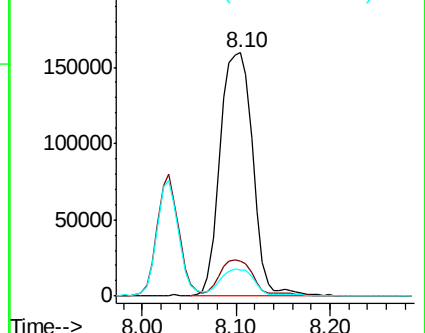
79 10.9 0.0 31.1

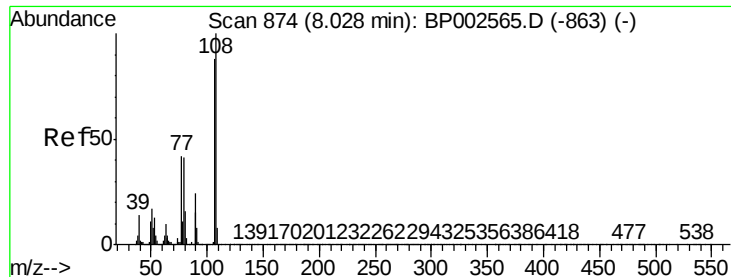


Abundance Ion 45.00 (44.70 to 45.70): BP0

Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0





#17

2-Methylphenol

Concen: 55.556 ng

RT: 8.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampleId :

PB130037BS

Tot Ion:107 Resp: 275771

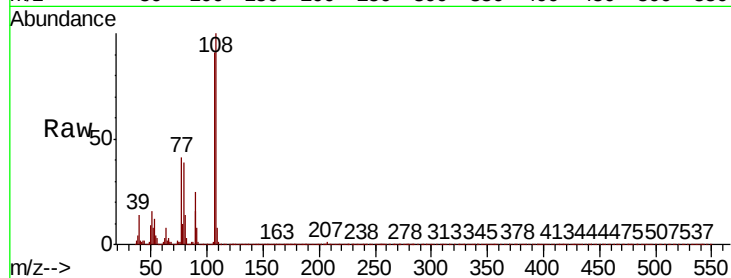
Ion Ratio Lower Upper

107 100

108 110.5 91.4 137.0

77 45.3 38.7 58.1

79 43.3 38.0 57.0

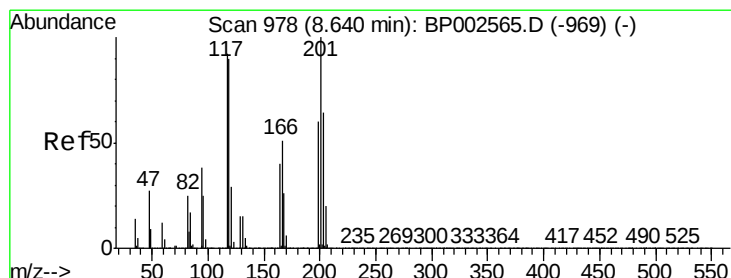
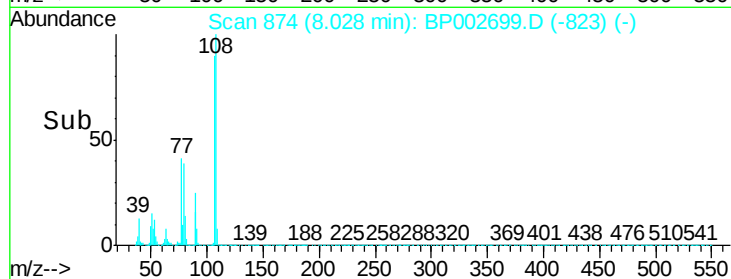
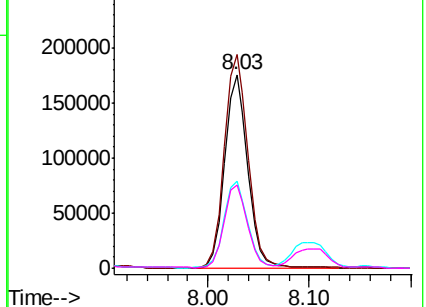


Abundance Ion 107.00 (106.70 to 107.70): E

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: 42.964 ng

RT: 8.63 min Scan# 977

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

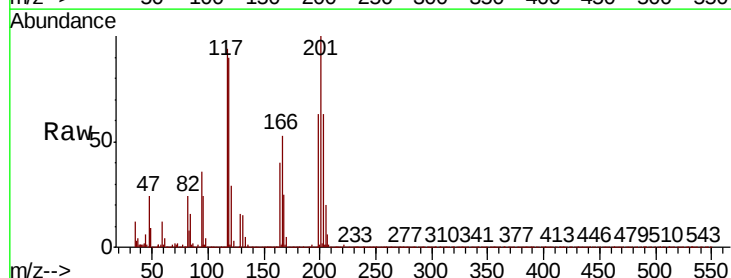
Tgt Ion:117 Resp: 95407

Ion Ratio Lower Upper

117 100

119 95.4 78.2 117.4

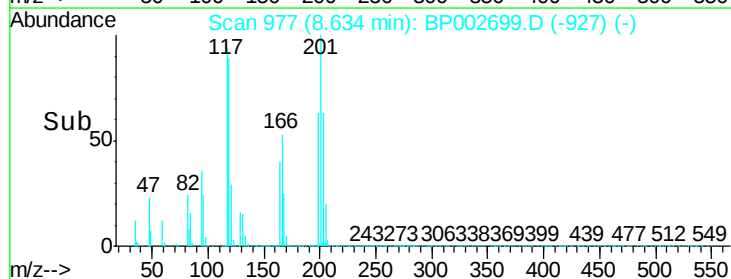
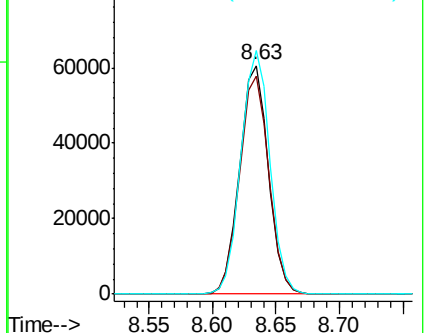
201 106.5 87.0 130.6



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

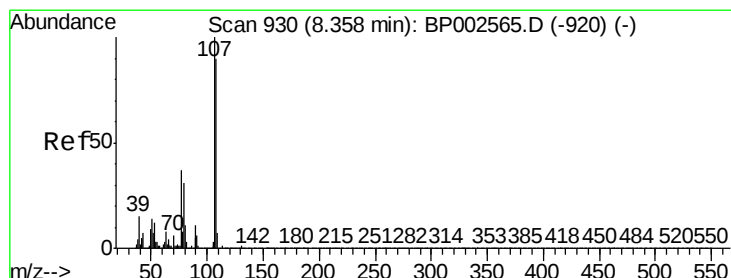
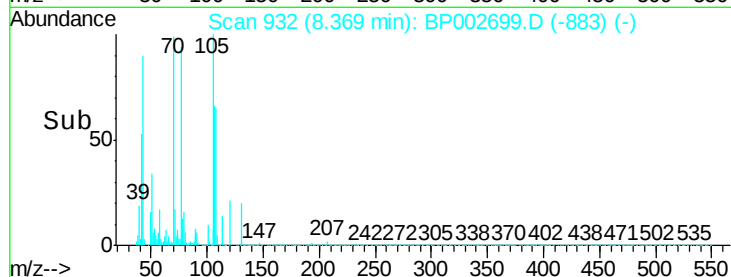
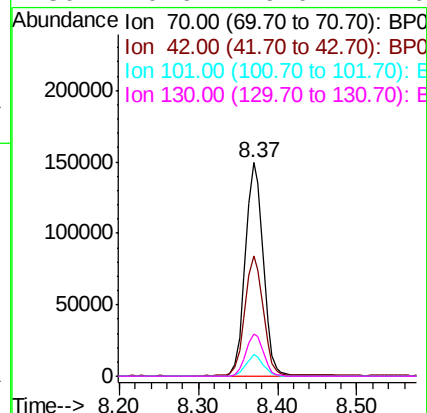
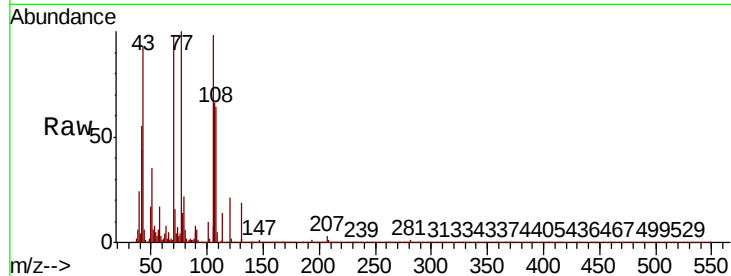




#19  
n-Nitroso-di-n-propylamine  
Concen: 54.506 ng  
RT: 8.37 min Scan# 932  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

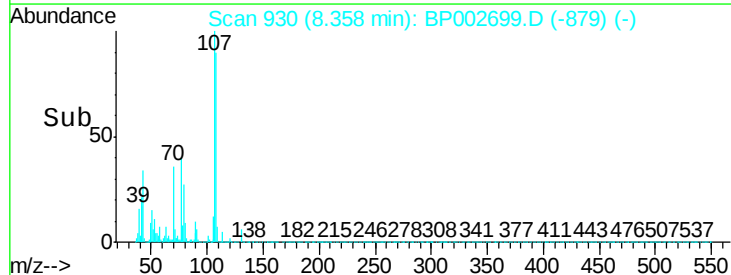
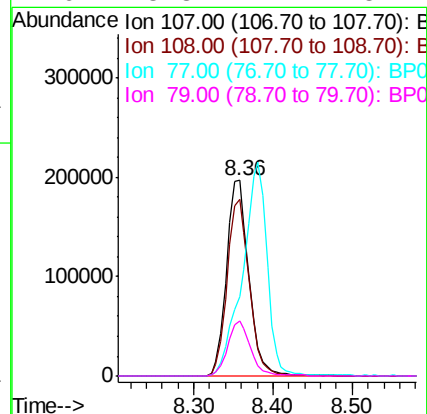
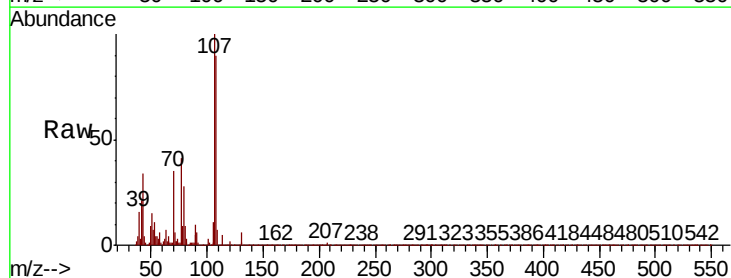
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

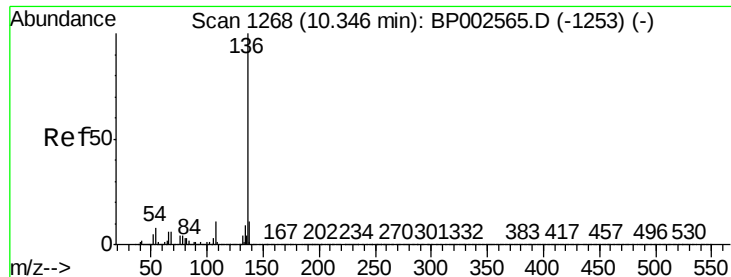
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 235180 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 56.5  | 46.7  | 70.1   |
| 101      | 9.9   | 7.5   | 11.3   |
| 130      | 19.6  | 16.0  | 24.0   |



#20  
3+4-Methylphenols  
Concen: 57.032 ng  
RT: 8.36 min Scan# 930  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 381674 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.5  | 70.4  | 110.4  |
| 77       | 40.8  | 16.7  | 56.7   |
| 79       | 28.3  | 11.1  | 51.1   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampleId :

PB130037BS

Tot Ion:136 Resp: 387355

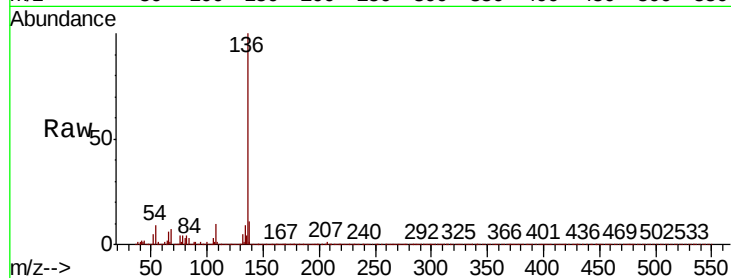
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.5 6.4 9.6

68 6.9 5.1 7.7

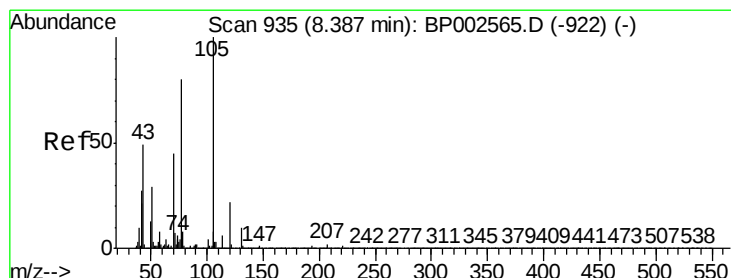
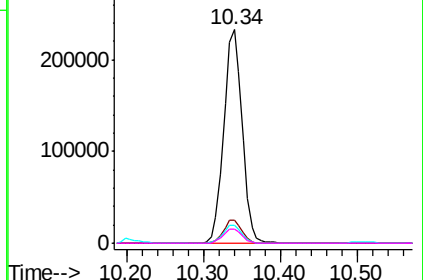
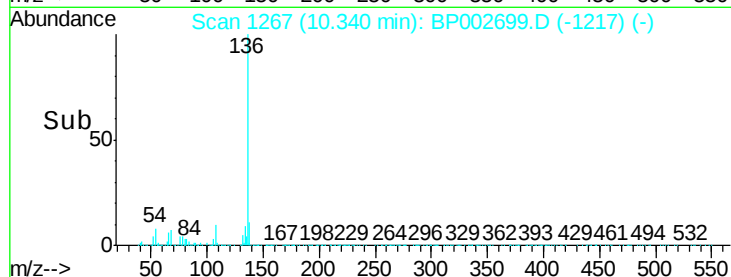


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



#22

Acetophenone

Concen: 44.555 ng

RT: 8.38 min Scan# 934

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Tgt Ion:105 Resp: 436835

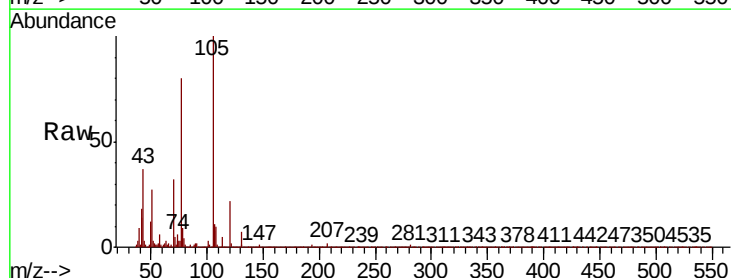
Ion Ratio Lower Upper

105 100

71 5.4 5.8 8.8#

51 27.4 23.3 34.9

120 21.8 17.4 26.0

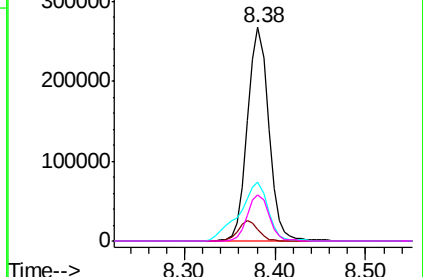
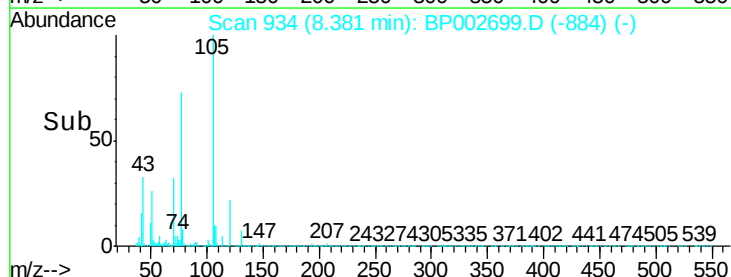


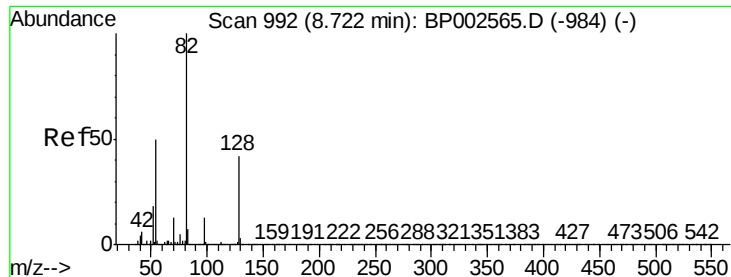
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BP0

Ion 51.00 (50.70 to 51.70): BP0

Ion 120.00 (119.70 to 120.70): E

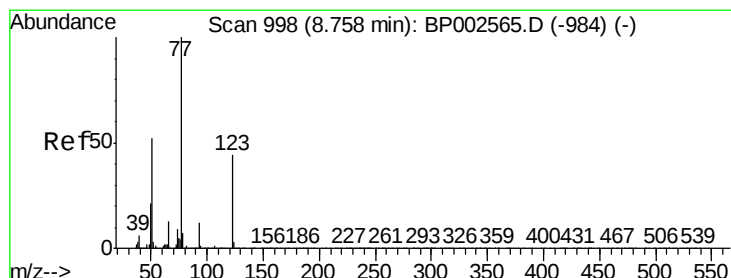
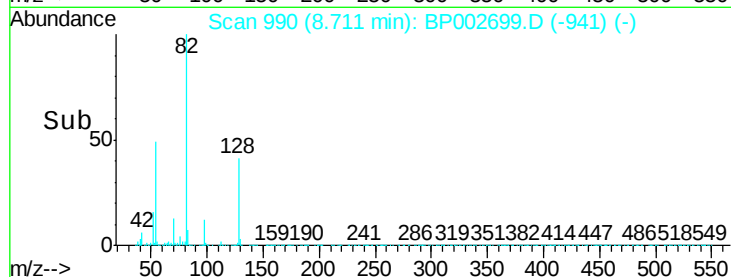
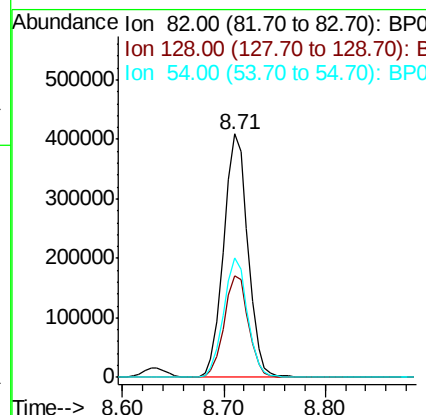
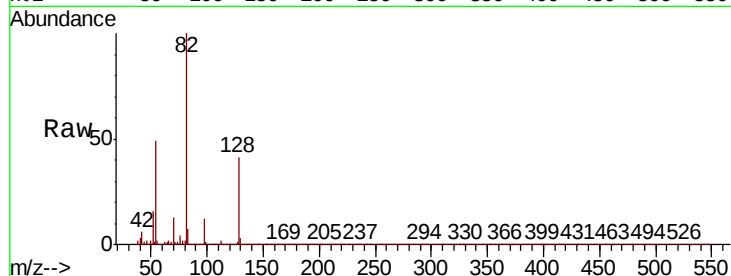




#23  
Nitrobenzene-d5  
Concen: 90.151 ng  
RT: 8.71 min Scan# 990  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

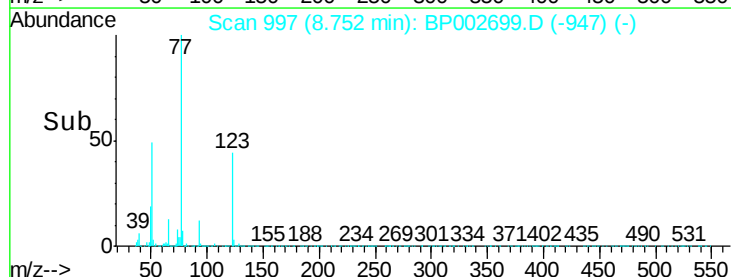
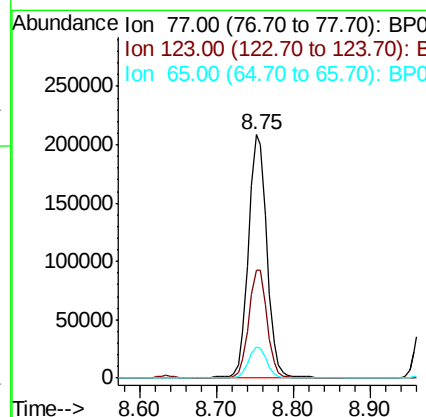
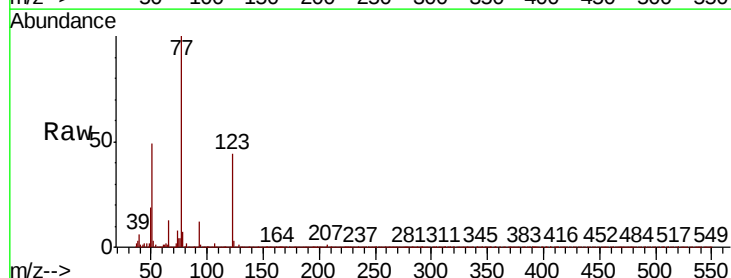
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

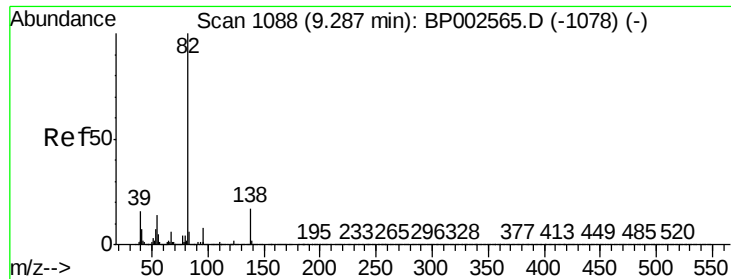
Tot Ion: 82 Resp: 677733  
Ion Ratio Lower Upper  
82 100  
128 41.5 33.4 50.2  
54 49.1 40.1 60.1



#24  
Nitrobenzene  
Concen: 43.882 ng  
RT: 8.75 min Scan# 997  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Tgt Ion: 77 Resp: 349188  
Ion Ratio Lower Upper  
77 100  
123 44.1 35.3 52.9  
65 12.8 10.6 16.0





#25

Isophorone

Concen: 46.472 ng

RT: 9.28 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampleId :

PB130037BS

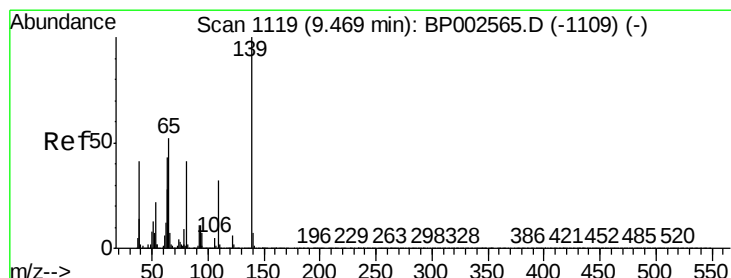
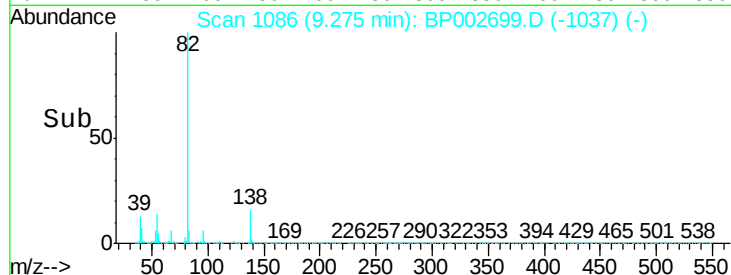
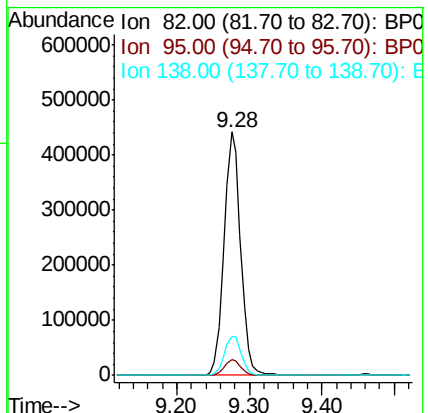
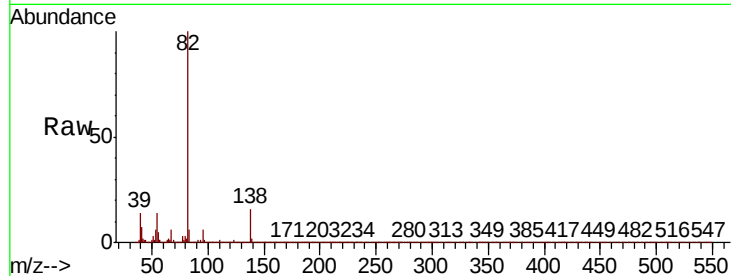
Tot Ion: 82 Resp: 700230

Ion Ratio Lower Upper

82 100

95 6.4 6.0 9.0

138 16.2 13.8 20.8



#26

2-Nitrophenol

Concen: 46.106 ng

RT: 9.46 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

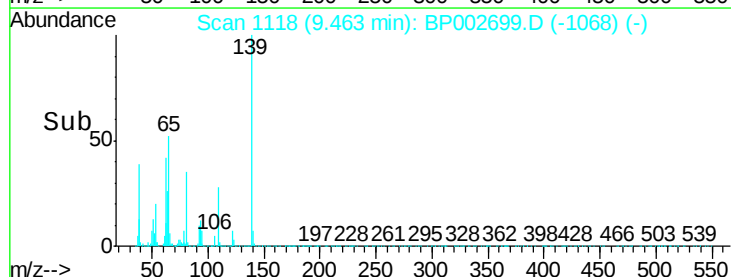
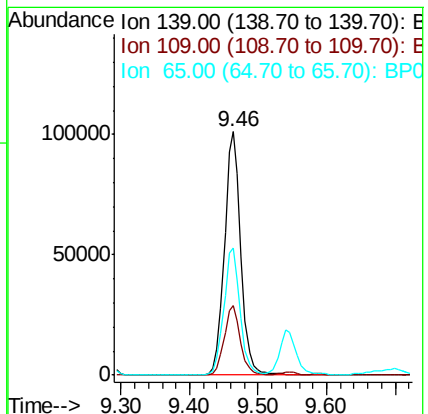
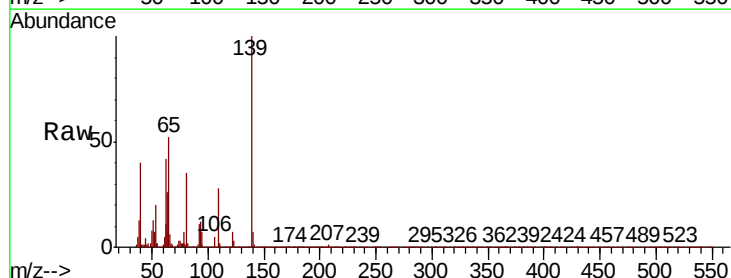
Tgt Ion: 139 Resp: 167322

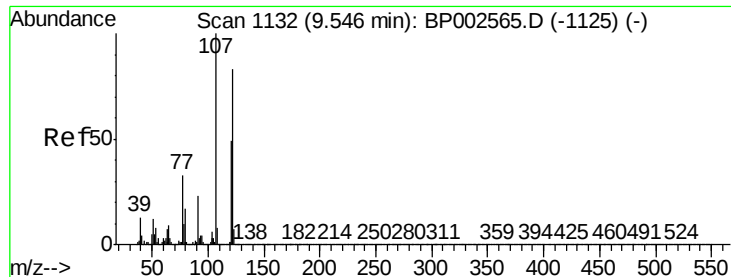
Ion Ratio Lower Upper

139 100

109 28.5 26.0 39.0

65 52.0 41.9 62.9

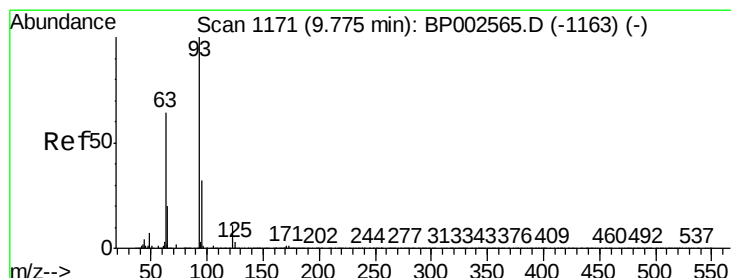
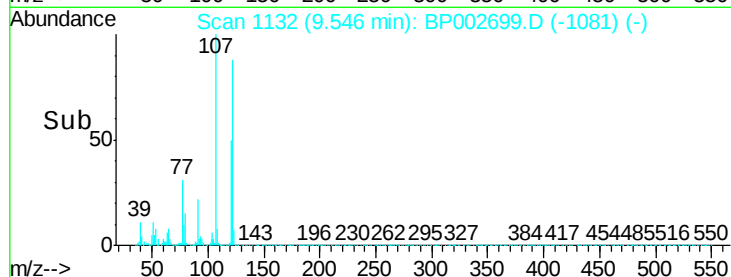
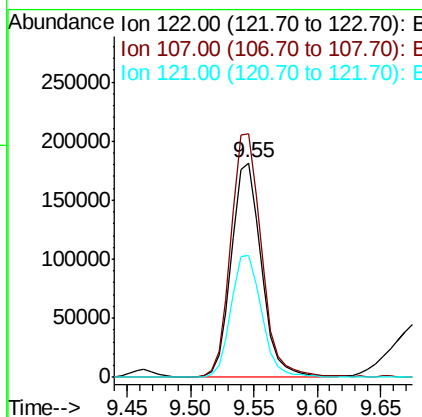
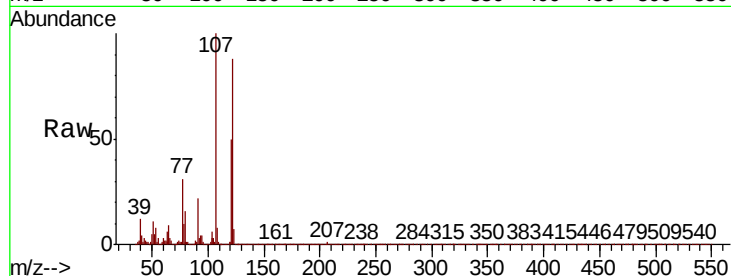




#27  
2,4-Dimethylphenol  
Concen: 53.910 ng  
RT: 9.55 min Scan# 1132  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

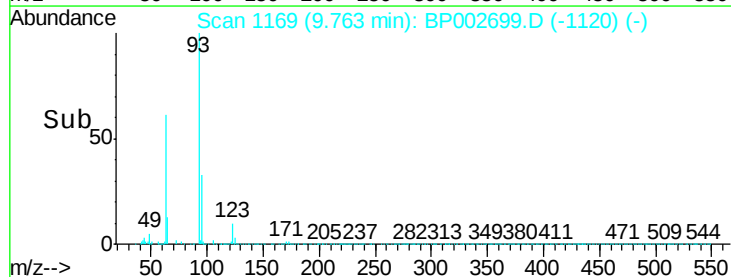
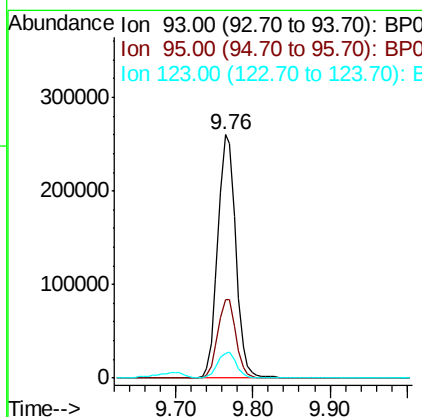
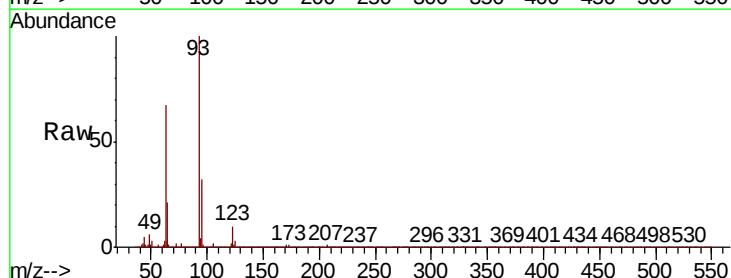
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

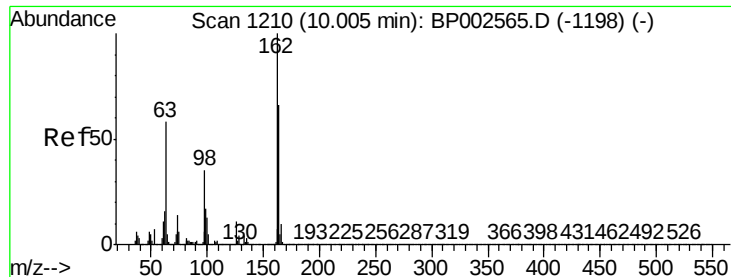
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 113.7 | 95.9  | 143.9 |
| 121     | 57.1  | 47.0  | 70.6  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 48.357 ng  
RT: 9.76 min Scan# 1169  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.4  | 25.5  | 38.3  |
| 123     | 10.3  | 8.7   | 13.1  |

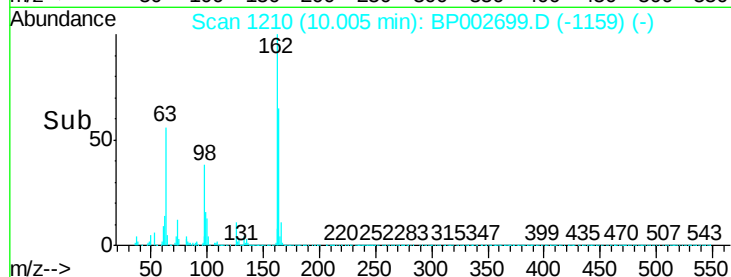
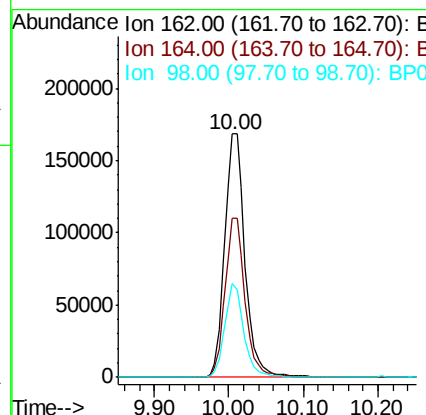
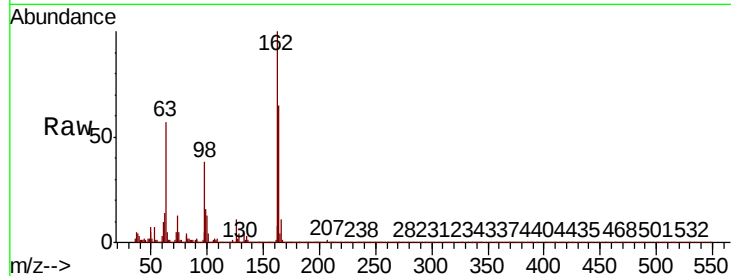




#29  
 2,4-Dichlorophenol  
 Concen: 50.390 ng  
 RT: 10.00 min Scan# 1210  
 Delta R.T. 0.00 min  
 Lab File: BP002699.D  
 Acq: 09 Jul 2020 16:14

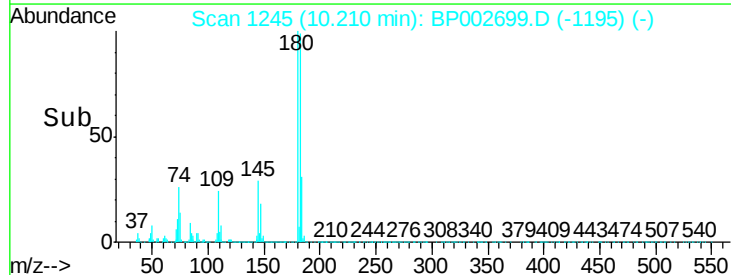
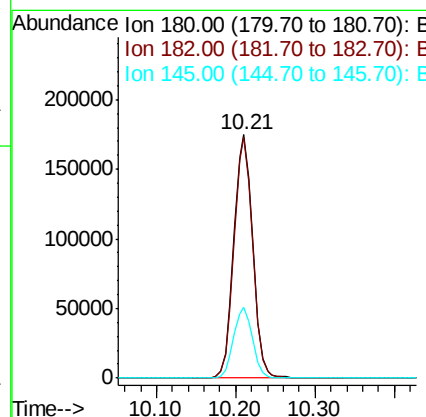
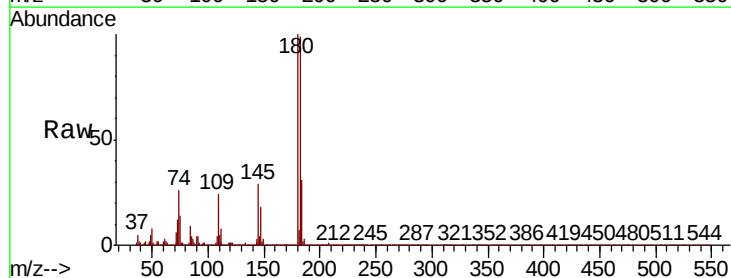
Instrument :  
 BNA\_P  
 ClientSampleID :  
 PB130037BS

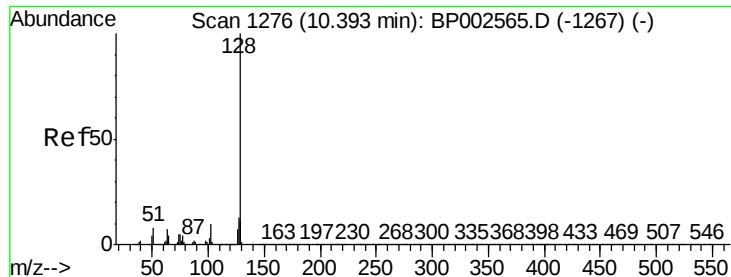
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.4  | 46.1  | 86.1  |
| 98      | 38.3  | 15.3  | 55.3  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.466 ng  
 RT: 10.21 min Scan# 1245  
 Delta R.T. -0.01 min  
 Lab File: BP002699.D  
 Acq: 09 Jul 2020 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.8  | 78.2  | 117.2 |
| 145     | 29.0  | 22.6  | 34.0  |

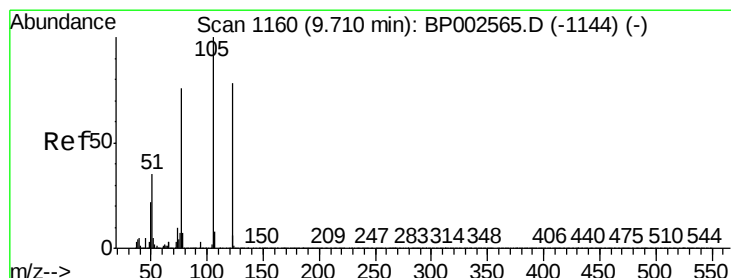
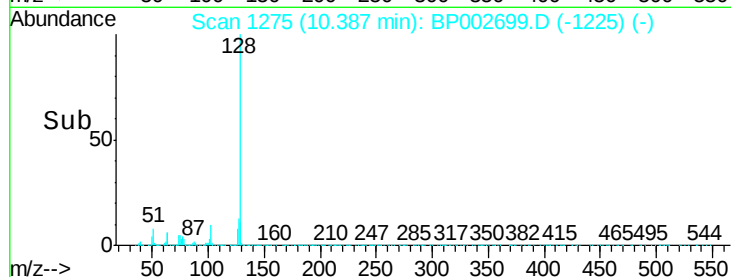
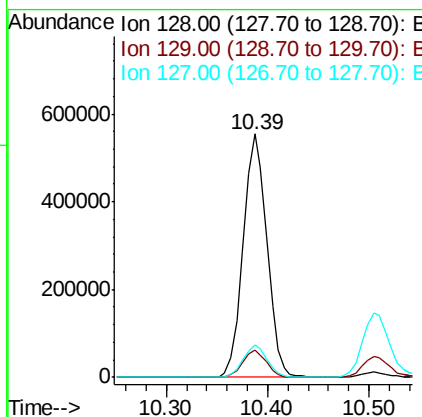
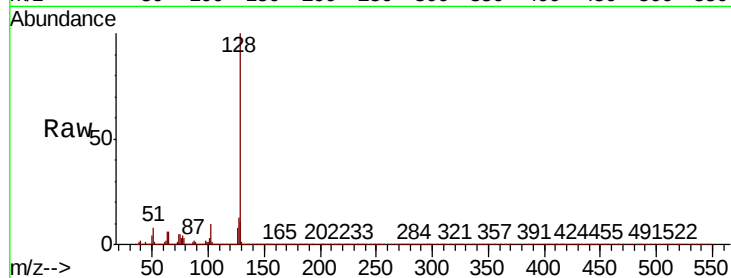




#31  
Naphthalene  
Concen: 44.037 ng  
RT: 10.39 min Scan# 1275  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

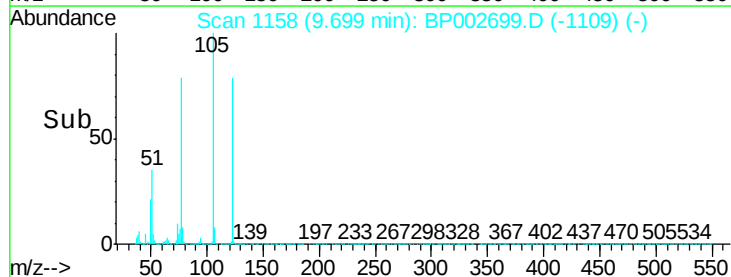
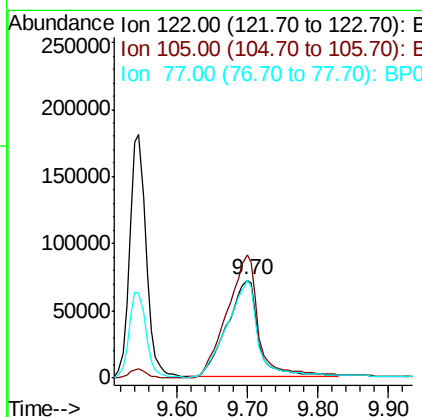
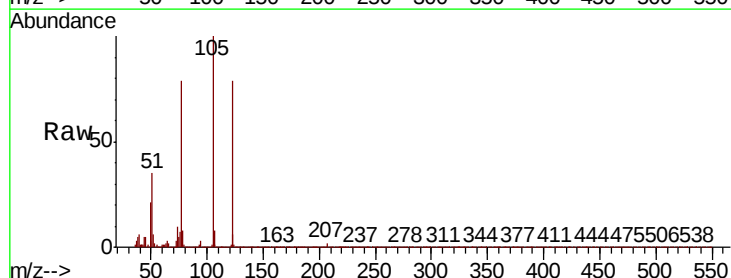
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

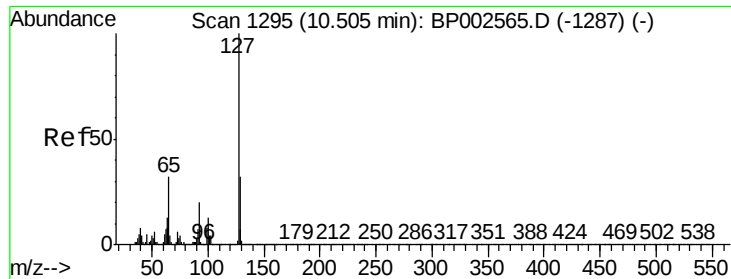
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.0  | 8.6   | 13.0  |
| 127     | 13.1  | 10.3  | 15.5  |



#32  
Benzoic acid  
Concen: 50.987 ng  
RT: 9.70 min Scan# 1158  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 126.1 | 106.6 | 146.6 |
| 77      | 99.4  | 76.5  | 116.5 |

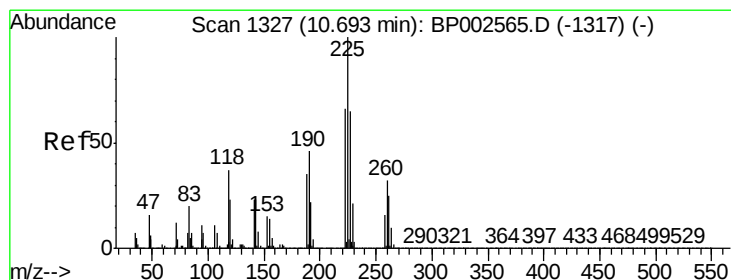
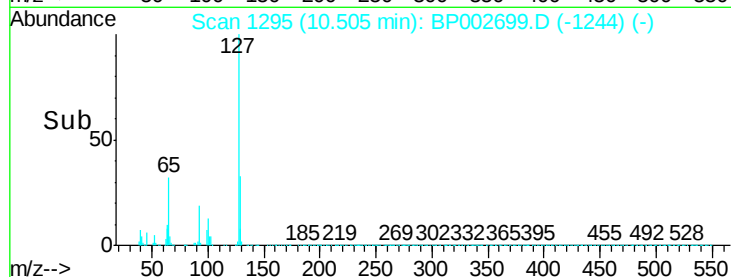
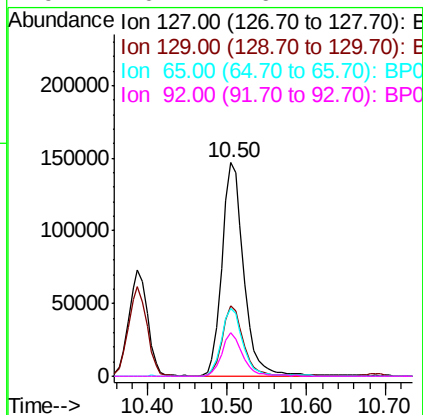
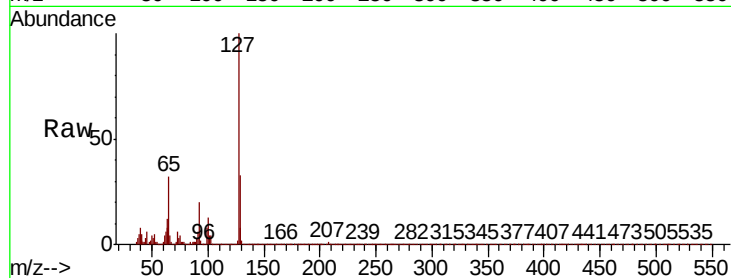




#33  
4-Chloroaniline  
Concen: 31.025 ng  
RT: 10.50 min Scan# 1295  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

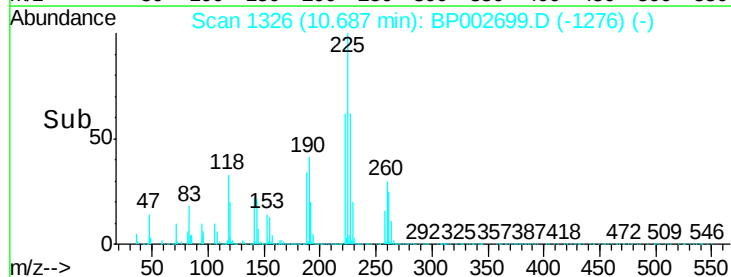
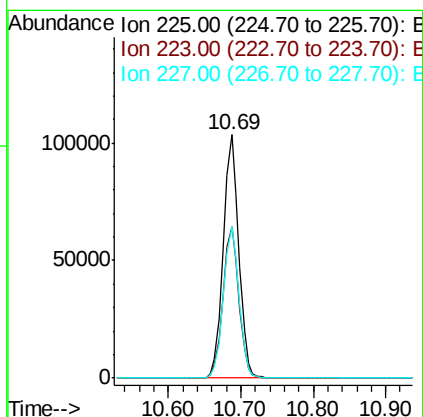
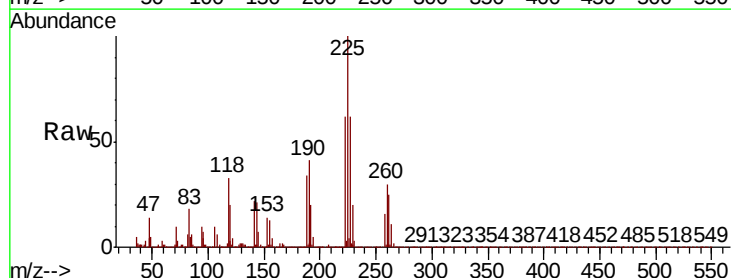
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

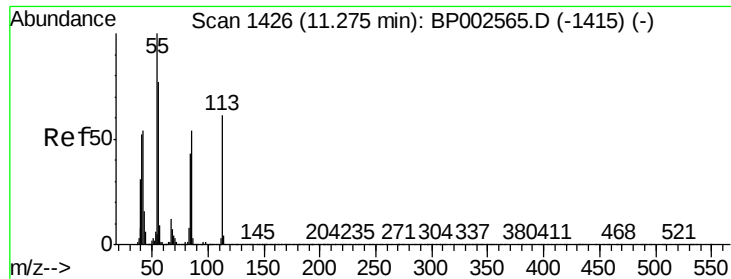
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 33.1  | 25.7  | 38.5  |
| 65      | 31.8  | 25.7  | 38.5  |
| 92      | 20.1  | 16.1  | 24.1  |



#34  
Hexachlorobutadiene  
Concen: 35.179 ng  
RT: 10.69 min Scan# 1326  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.3  | 52.6  | 78.8  |
| 227     | 62.3  | 52.1  | 78.1  |

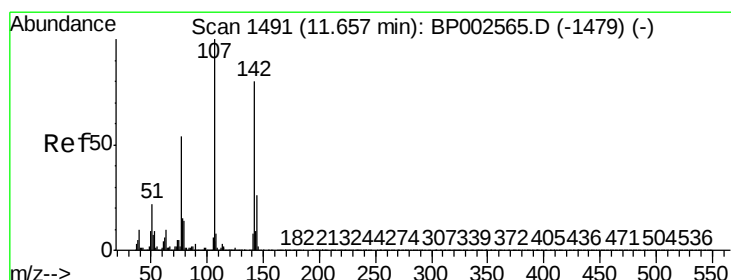
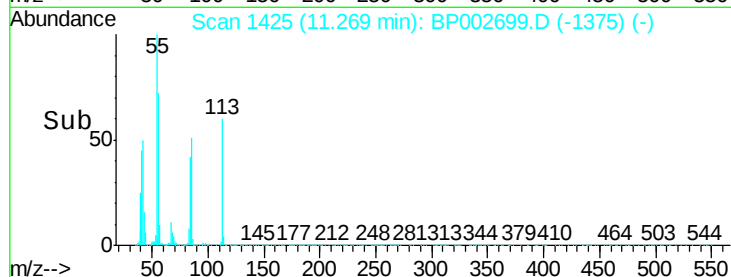
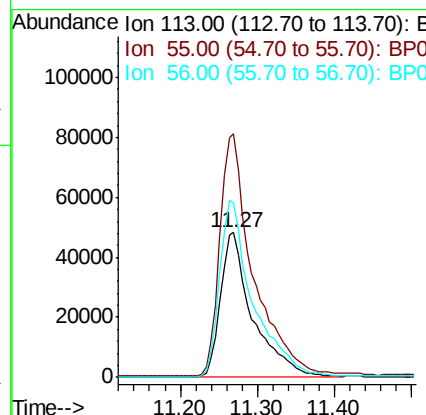
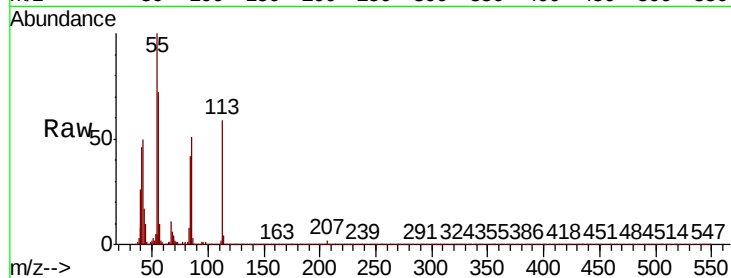




#35  
Caprolactam  
Concen: 65.705 ng  
RT: 11.27 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

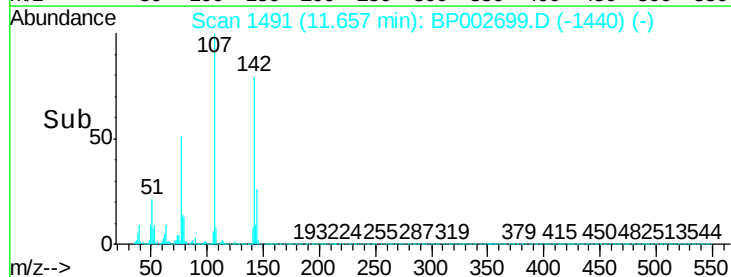
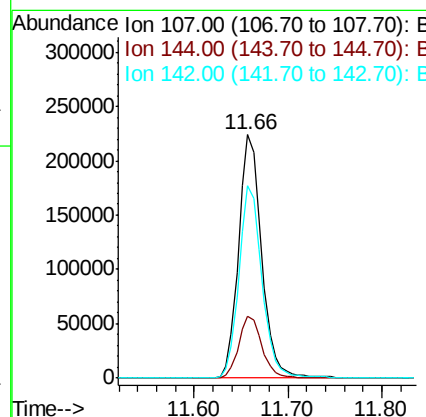
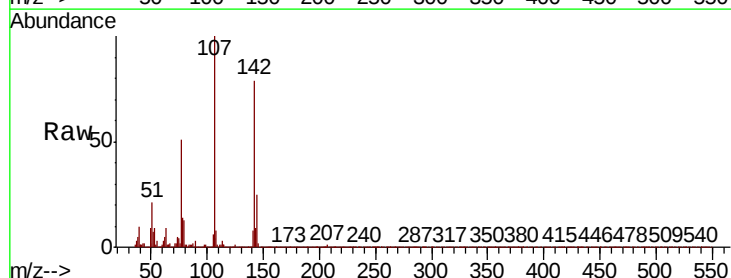
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

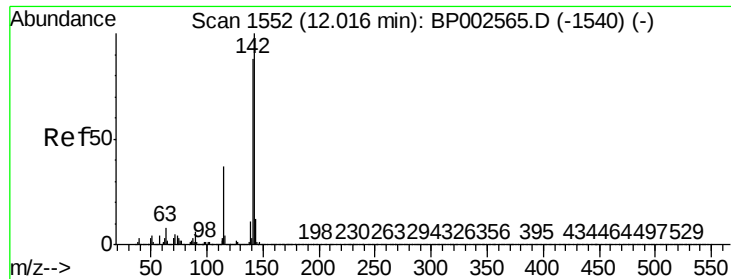
Tot Ion:113 Resp: 139978  
Ion Ratio Lower Upper  
113 100  
55 168.5 143.7 183.7  
56 121.0 105.2 145.2



#36  
4-Chloro-3-methylphenol  
Concen: 54.938 ng  
RT: 11.66 min Scan# 1491  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Tgt Ion:107 Resp: 381610  
Ion Ratio Lower Upper  
107 100  
144 25.5 21.0 31.6  
142 79.0 63.9 95.9

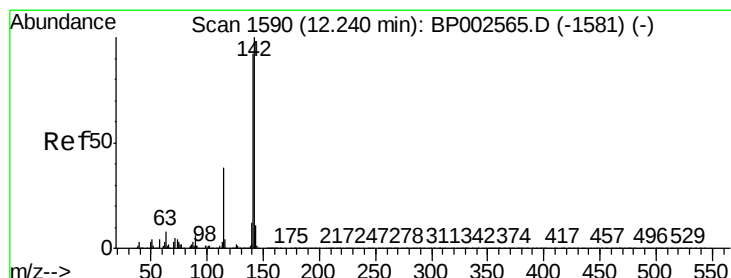
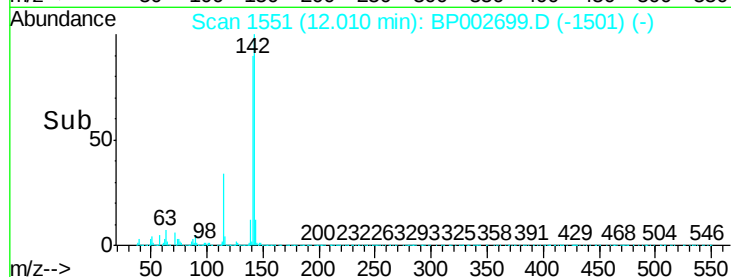
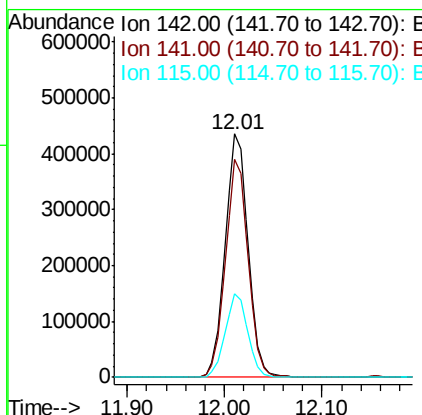
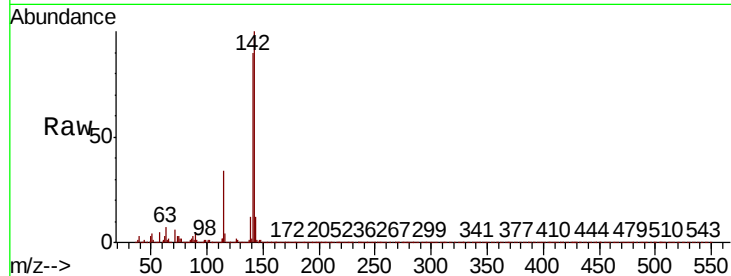




#37  
2-Methylnaphthalene  
Concen: 47.160 ng  
RT: 12.01 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

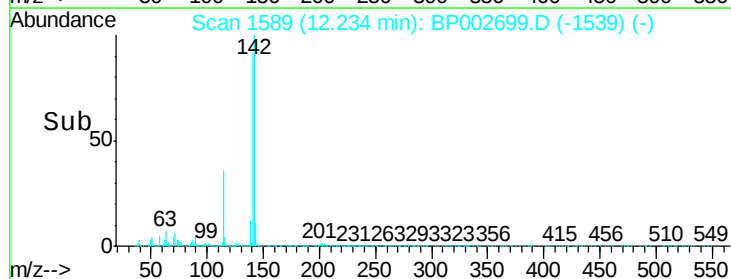
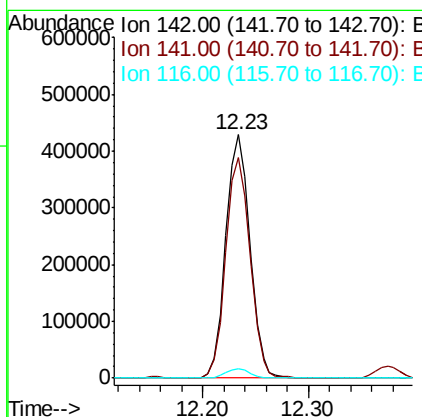
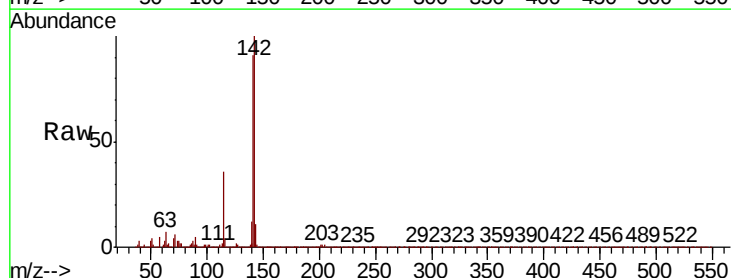
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

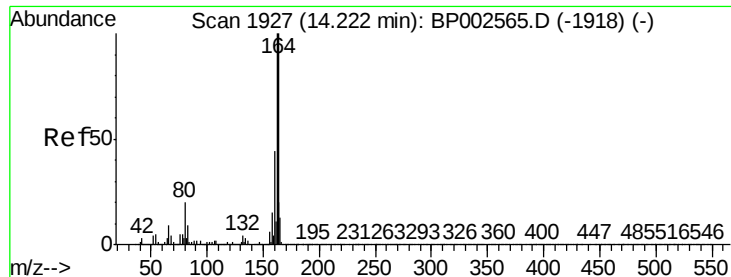
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.6  | 70.7  | 106.1 |
| 115     | 34.4  | 29.7  | 44.5  |



#38  
1-Methylnaphthalene  
Concen: 48.189 ng  
RT: 12.23 min Scan# 1589  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.6  | 73.4  | 110.2 |
| 116     | 3.7   | 3.2   | 4.8   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampleId :

PB130037BS

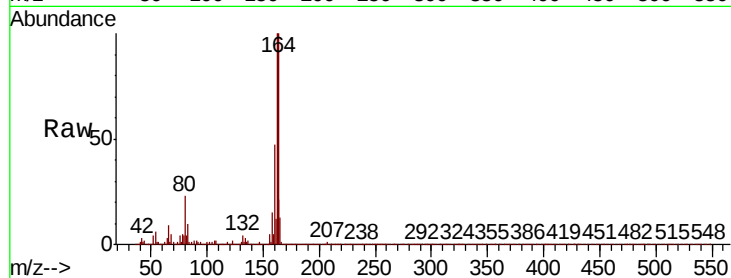
Tot Ion:164 Resp: 292072

Ion Ratio Lower Upper

164 100

162 100.4 80.3 120.5

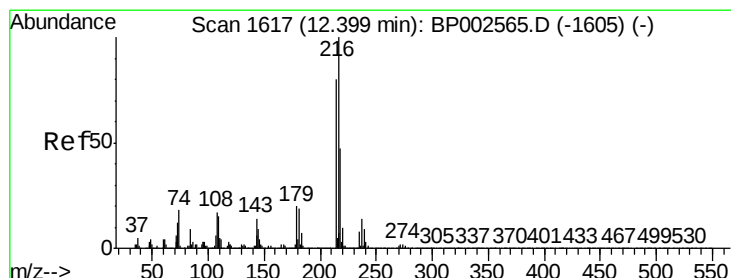
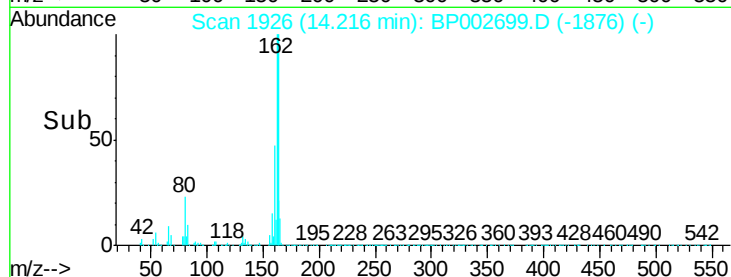
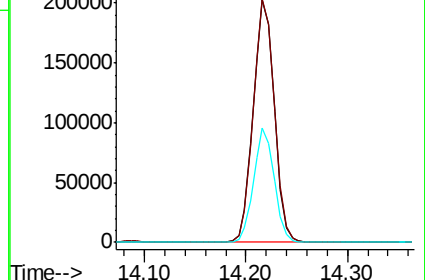
160 46.9 35.0 52.6



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: 37.922 ng

RT: 12.39 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Tgt Ion:216 Resp: 345850

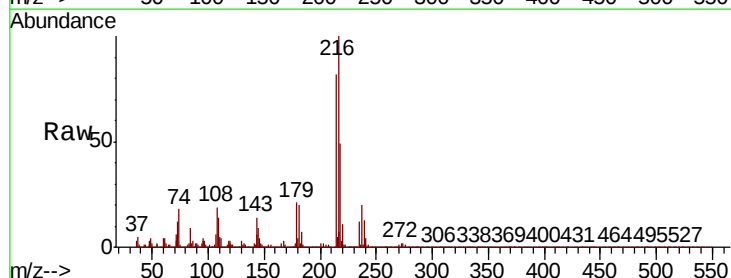
Ion Ratio Lower Upper

216 100

214 79.5 63.2 94.8

179 19.9 16.6 24.8

108 19.6 14.9 22.3

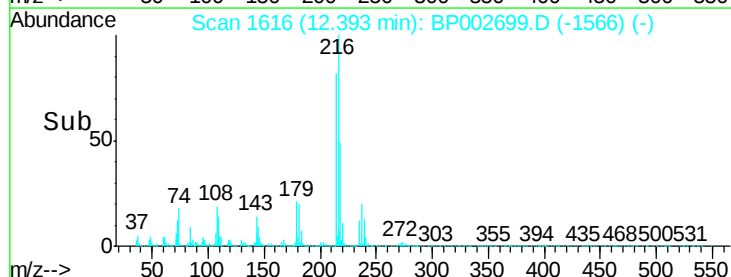
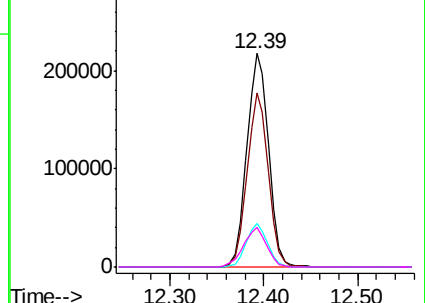


Abundance Ion 216.00 (215.70 to 216.70): E

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: 58.860 ng

RT: 12.38 min Scan# 1613

Delta R.T. -0.00 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampleId :

PB130037BS

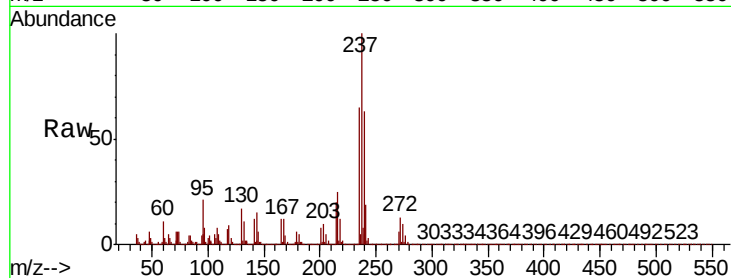
Tot Ion:237 Resp: 274387

Ion Ratio Lower Upper

237 100

235 64.7 45.4 85.4

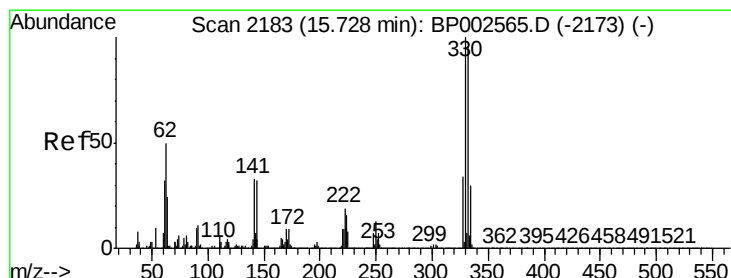
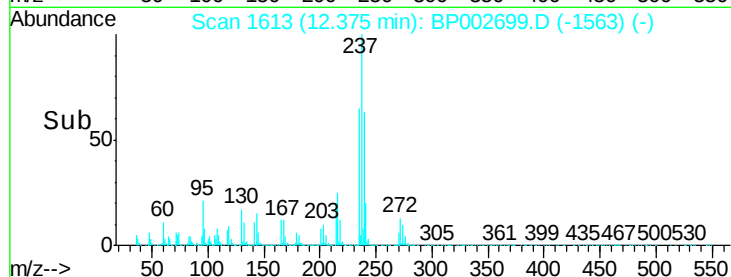
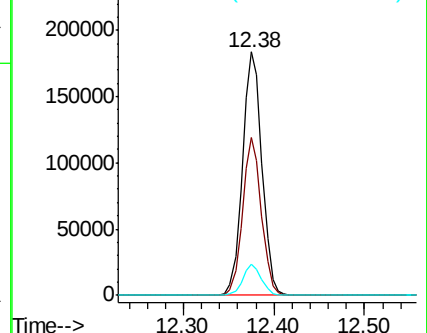
272 12.8 0.0 32.6



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: 136.378 ng

RT: 15.72 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

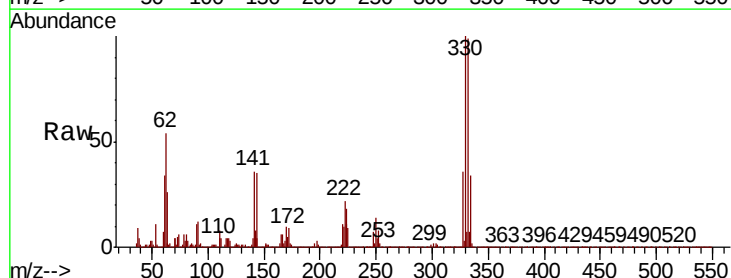
Tgt Ion:330 Resp: 484471

Ion Ratio Lower Upper

330 100

332 96.7 77.7 116.5

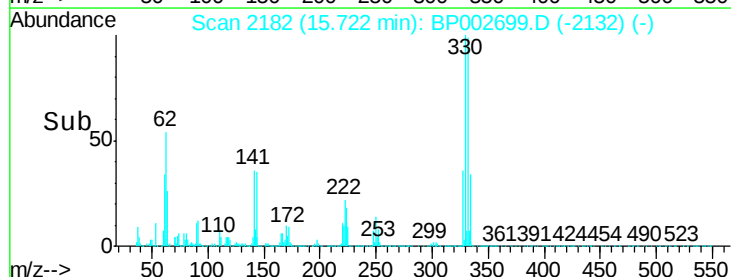
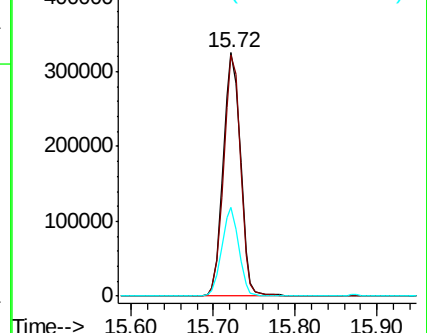
141 36.0 29.0 43.6

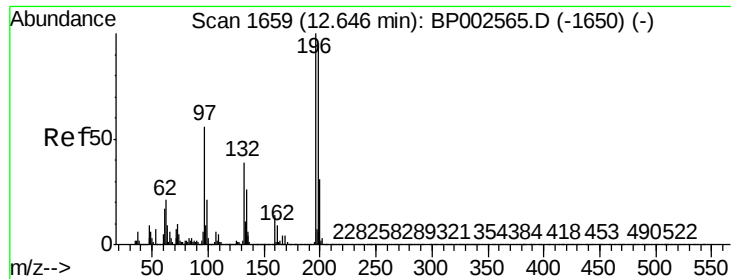


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

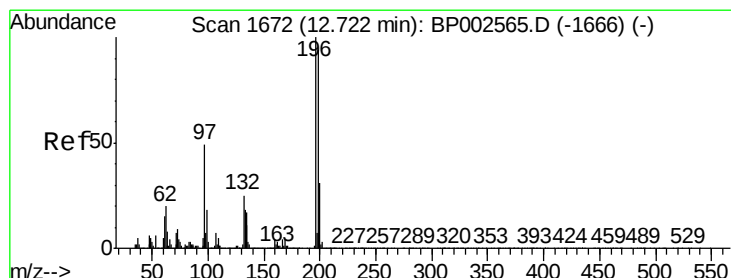
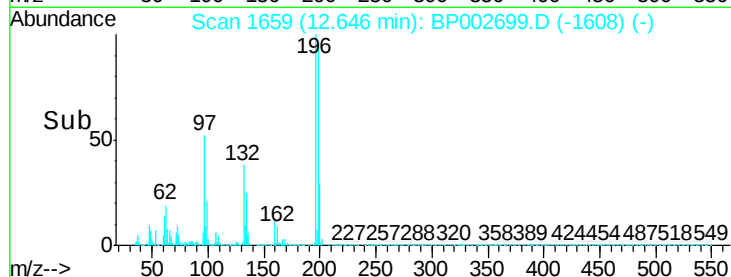
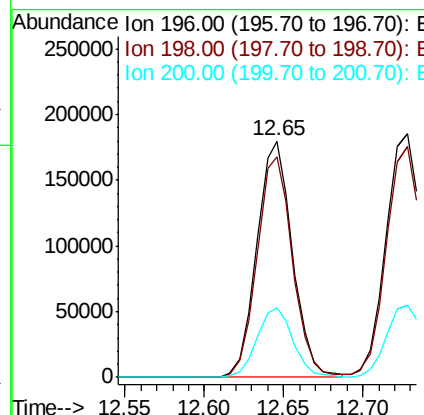
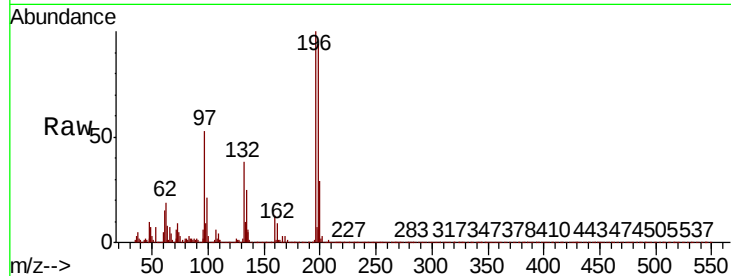




#43  
 2,4,6-Trichlorophenol  
 Concen: 45.419 ng  
 RT: 12.65 min Scan# 1659  
 Delta R.T. 0.00 min  
 Lab File: BP002699.D  
 Acq: 09 Jul 2020 16:14

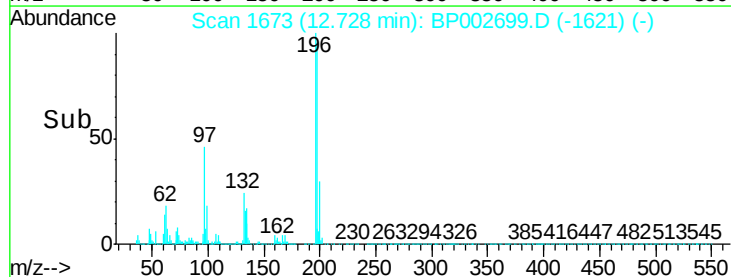
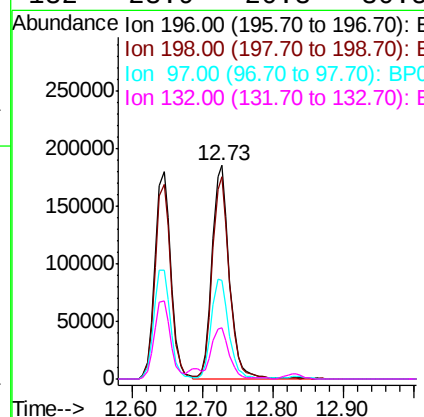
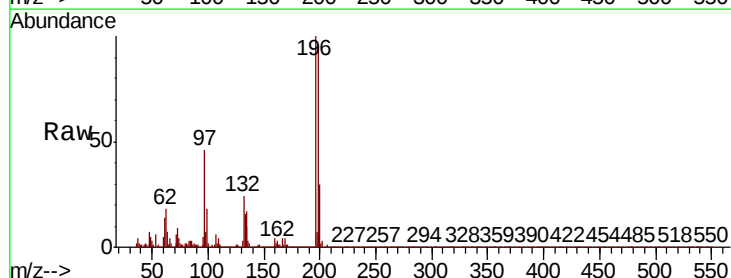
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB130037BS

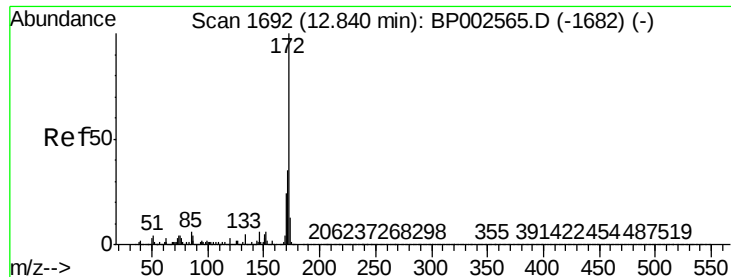
Tot Ion:196 Resp: 280274  
 Ion Ratio Lower Upper  
 196 100  
 198 93.5 75.3 112.9  
 200 29.2 24.6 36.8



#44  
 2,4,5-Trichlorophenol  
 Concen: 44.371 ng  
 RT: 12.73 min Scan# 1673  
 Delta R.T. 0.01 min  
 Lab File: BP002699.D  
 Acq: 09 Jul 2020 16:14

Tgt Ion:196 Resp: 315197  
 Ion Ratio Lower Upper  
 196 100  
 198 94.9 75.4 113.0  
 97 46.4 39.3 58.9  
 132 23.9 20.3 30.5

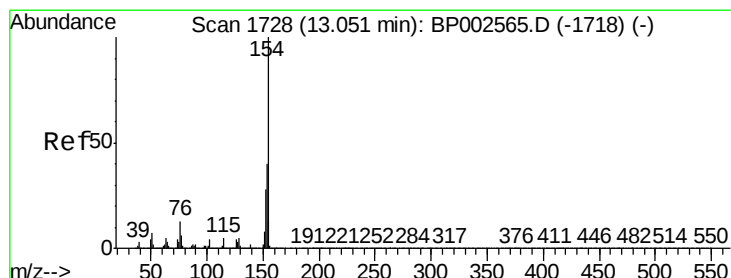
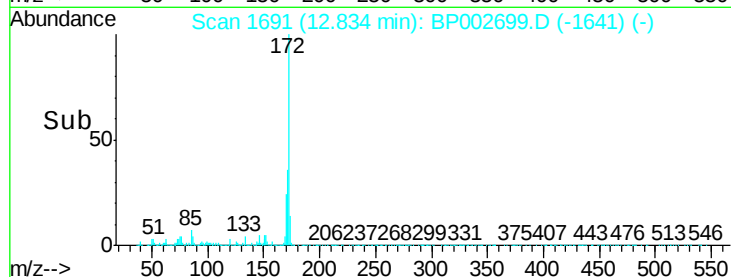
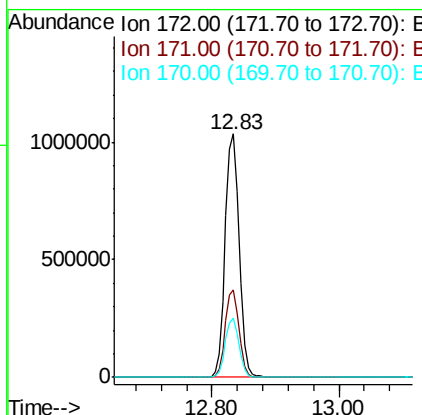
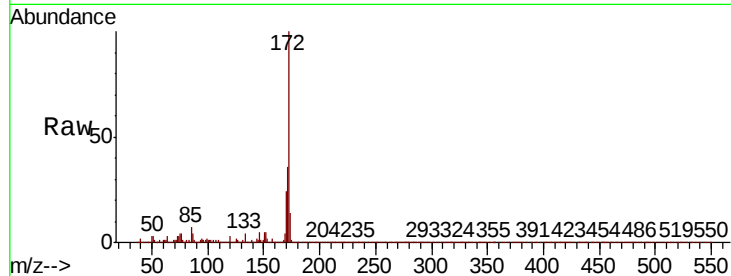




#45  
2-Fluorobiphenyl  
Concen: 80.967 ng  
RT: 12.83 min Scan# 1691  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

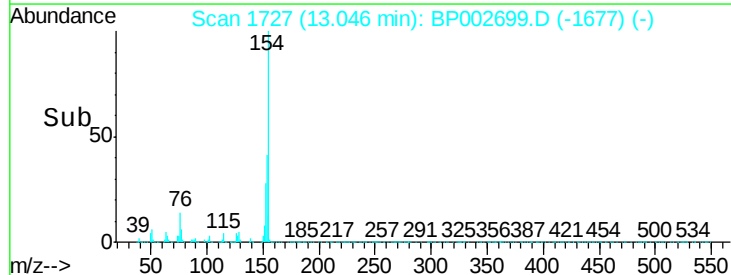
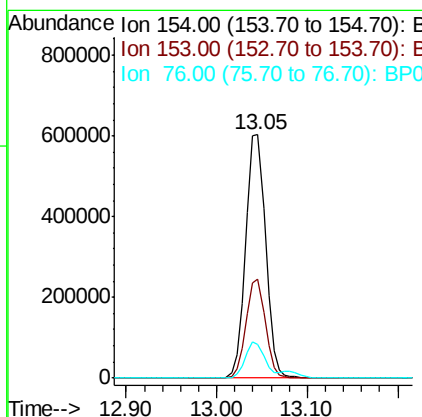
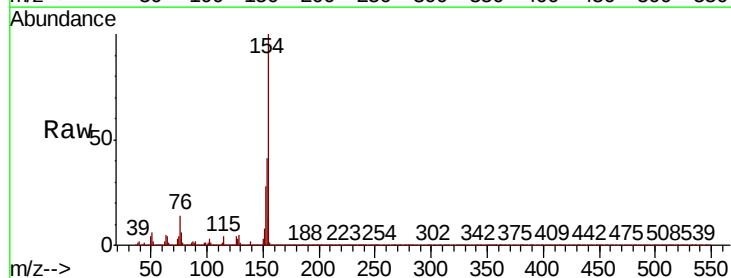
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

Tot Ion:172 Resp: 1606717  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.0 42.0  
170 24.4 19.0 28.4



#46  
1,1'-Biphenyl  
Concen: 41.676 ng  
RT: 13.05 min Scan# 1727  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Tgt Ion:154 Resp: 920761  
Ion Ratio Lower Upper  
154 100  
153 40.5 20.0 60.0  
76 13.8 0.0 33.0

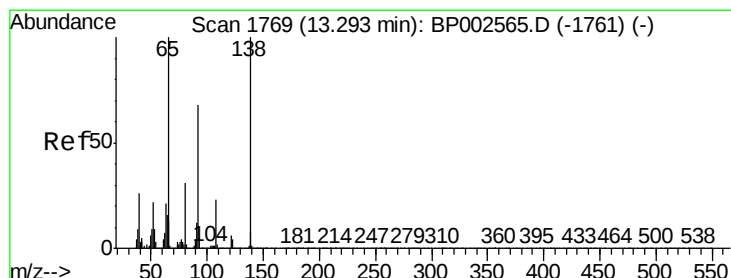
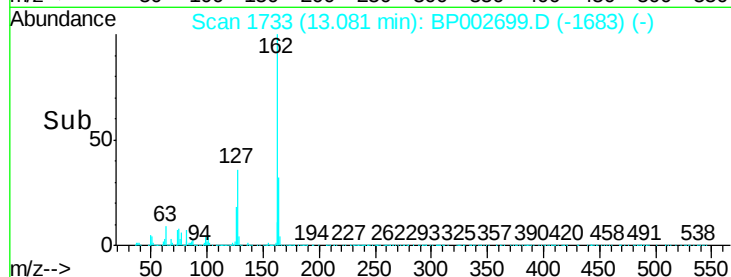
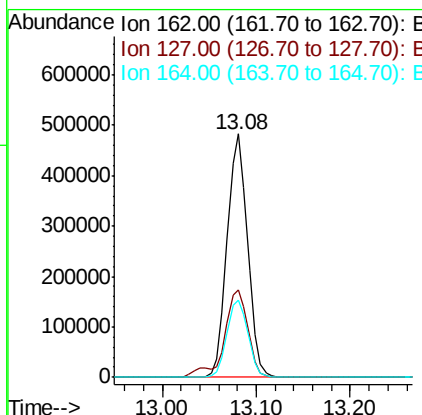
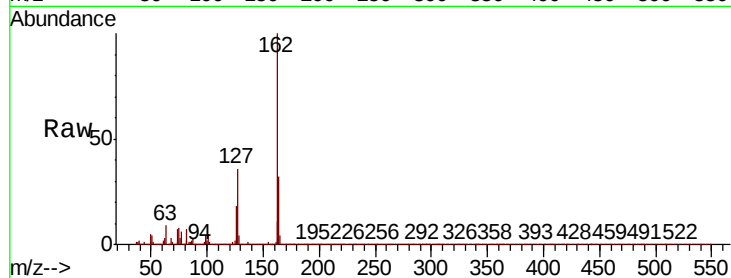




#47  
2-Chloronaphthalene  
Concen: 40.720 ng  
RT: 13.08 min Scan# 1733  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

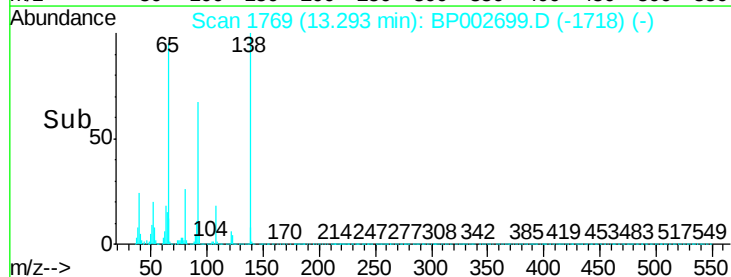
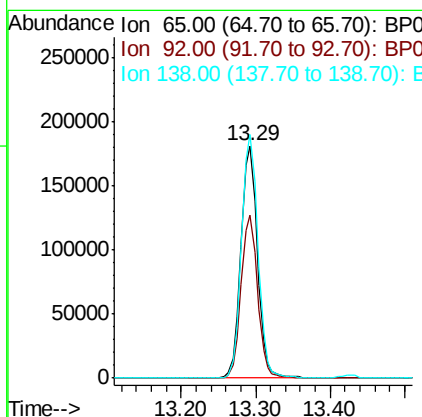
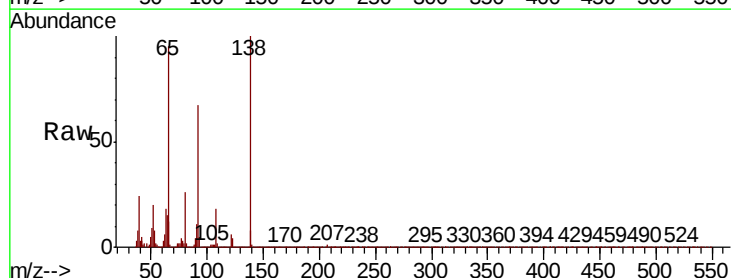
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

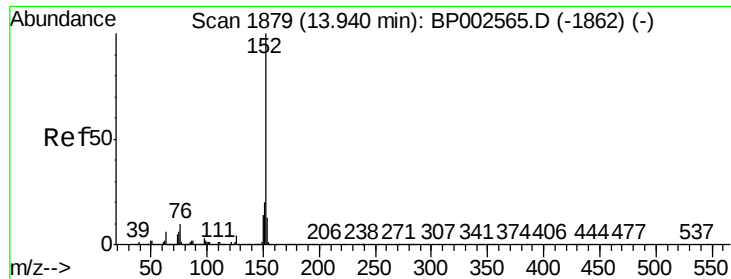
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 36.0  | 31.7  | 47.5  |
| 164     | 31.6  | 27.3  | 40.9  |



#48  
2-Nitroaniline  
Concen: 48.450 ng  
RT: 13.29 min Scan# 1769  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 70.4  | 54.2  | 81.4  |
| 138     | 104.8 | 79.8  | 119.8 |





#49

Acenaphthylene

Concen: 44.281 ng

RT: 13.93 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

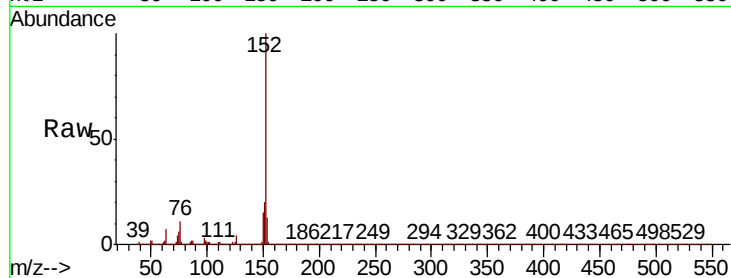
BNA\_P

ClientSampleId :

PB130037BS

Tot Ion:152 Resp: 1253314

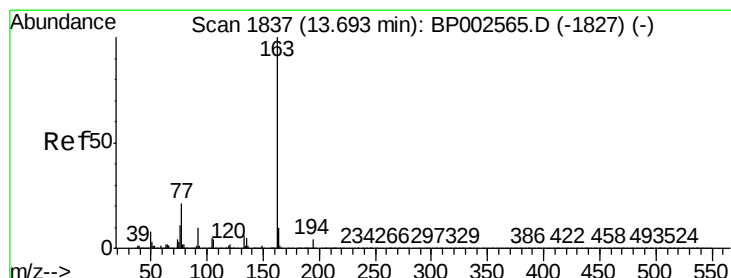
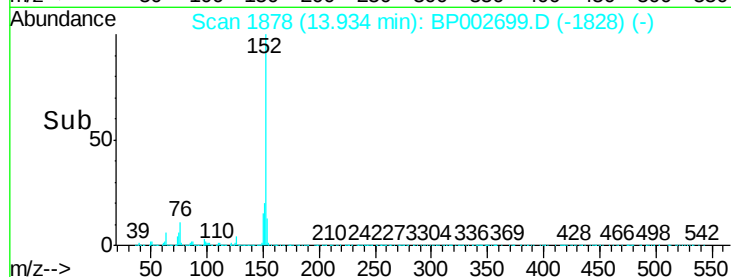
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.0  | 15.7  | 23.5  |
| 153 | 13.3  | 10.2  | 15.2  |



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 46.206 ng

RT: 13.69 min Scan# 1836

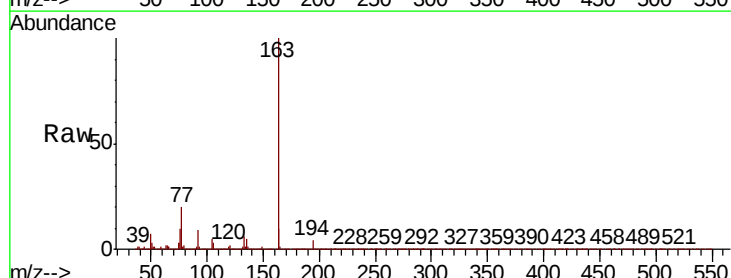
Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Tgt Ion:163 Resp: 1059972

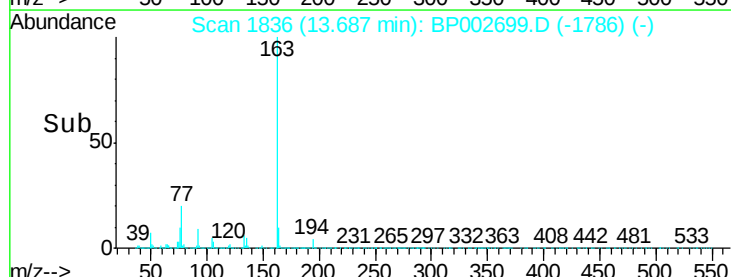
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.1   | 3.4   | 5.0   |
| 164 | 10.0  | 8.2   | 12.4  |

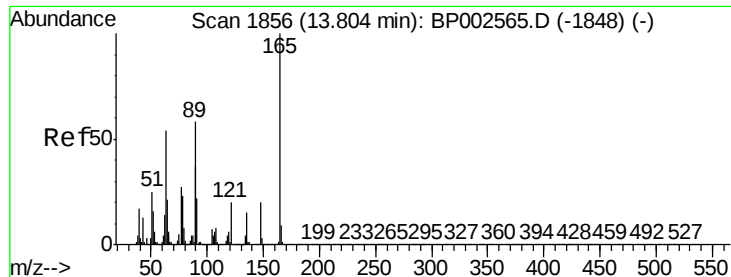


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

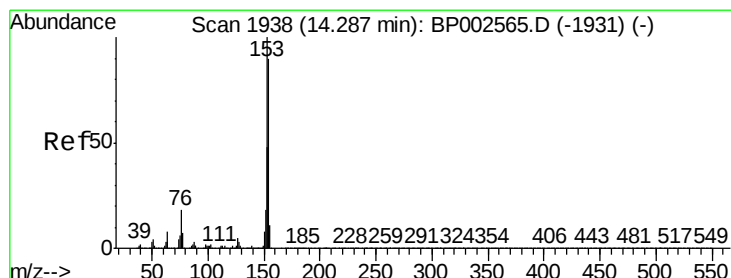
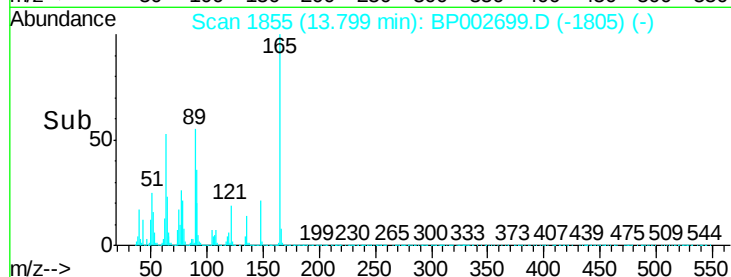
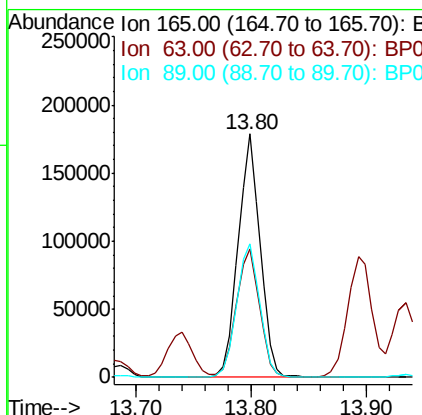
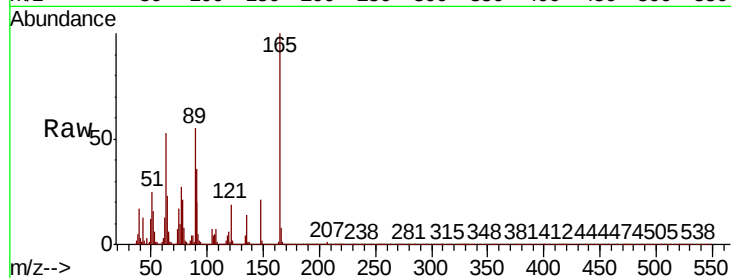




#51  
2,6-Dinitrotoluene  
Concen: 47.630 ng  
RT: 13.80 min Scan# 1855  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

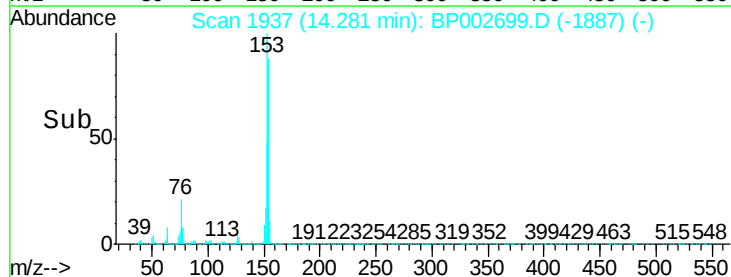
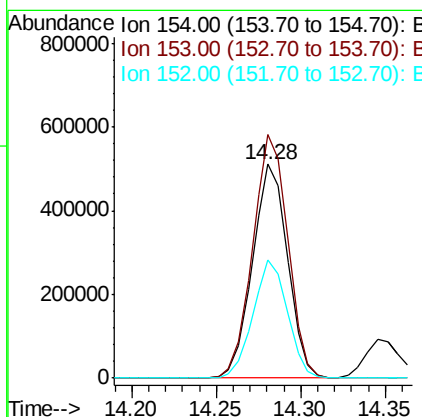
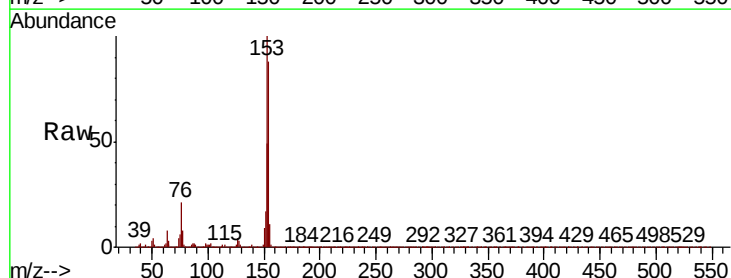
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

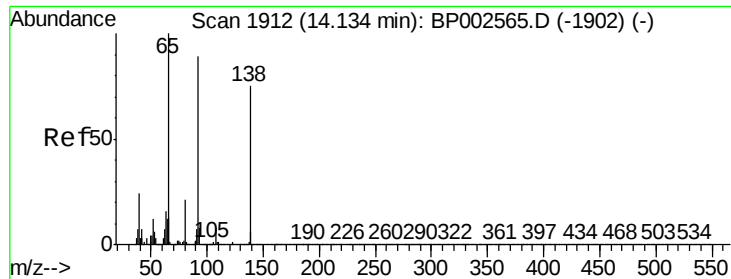
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 52.8  | 46.6  | 69.8  |
| 89      | 54.8  | 46.3  | 69.5  |



#52  
Acenaphthene  
Concen: 44.338 ng  
RT: 14.28 min Scan# 1937  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.9 | 89.1  | 133.7 |
| 152     | 55.2  | 43.2  | 64.8  |

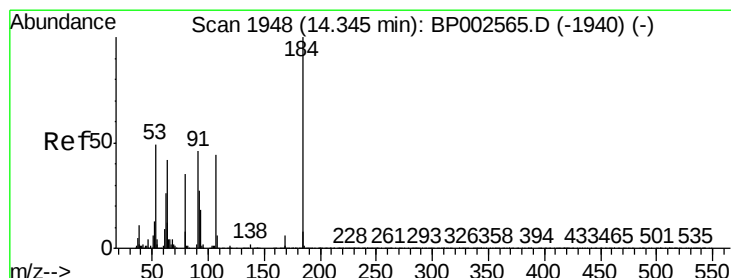
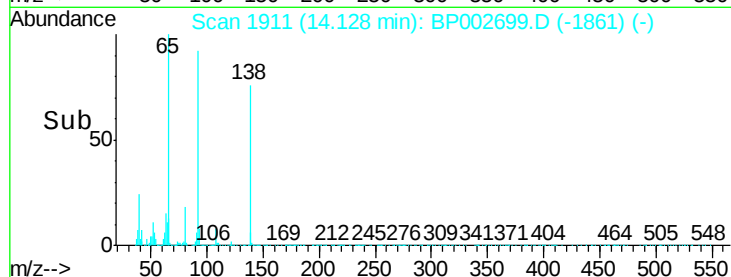
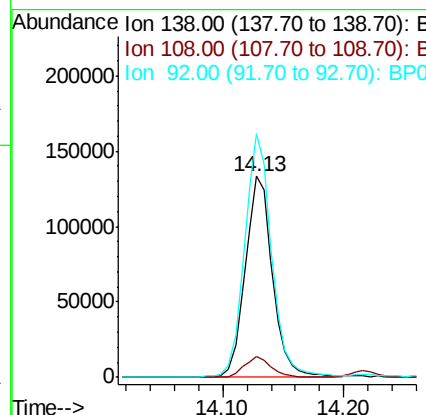
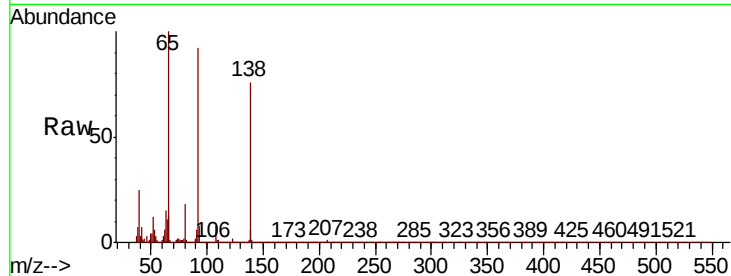




#53  
3-Nitroaniline  
Concen: 38.868 ng  
RT: 14.13 min Scan# 1911  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

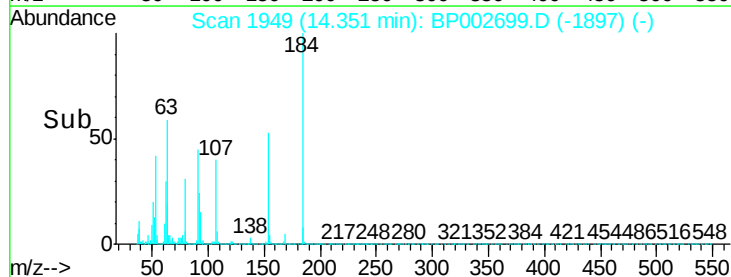
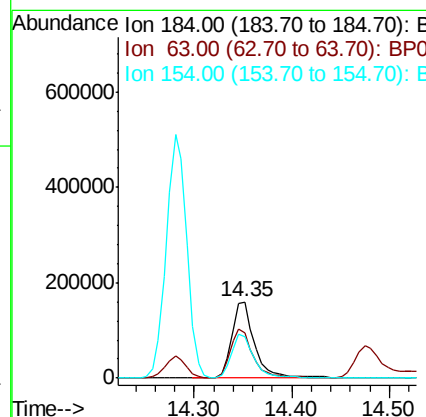
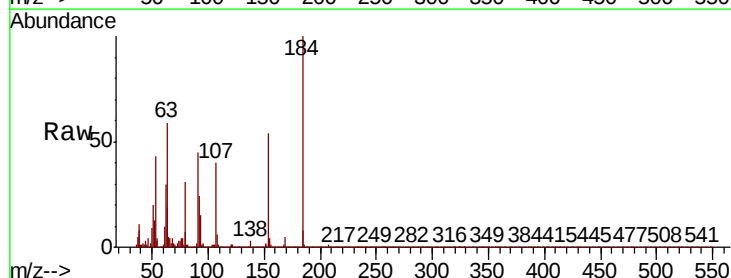
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

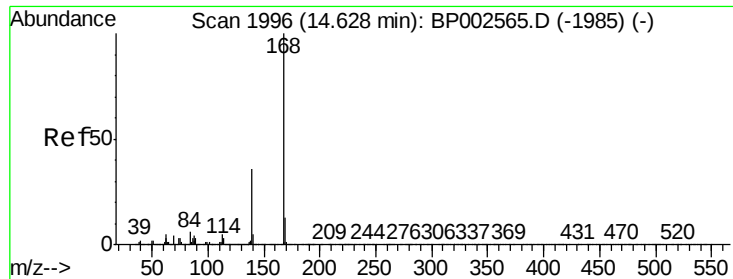
Tot Ion:138 Resp: 209675  
Ion Ratio Lower Upper  
138 100  
108 10.4 8.6 12.8  
92 121.0 94.9 142.3



#54  
2,4-Dinitrophenol  
Concen: 83.763 ng  
RT: 14.35 min Scan# 1949  
Delta R.T. 0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Tgt Ion:184 Resp: 259640  
Ion Ratio Lower Upper  
184 100  
63 59.4 56.2 84.2  
154 53.5 50.9 76.3





#55

Dibenzofuran

Concen: 44.997 ng

RT: 14.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

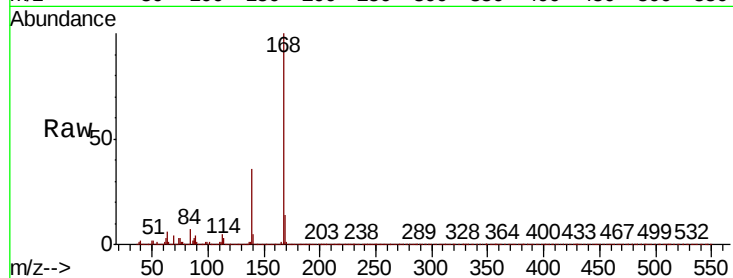
BNA\_P

ClientSampleId :

PB130037BS

Tot Ion:168 Resp: 1217705

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 139 | 35.6  | 29.3  | 43.9  |
| 169 | 13.5  | 10.6  | 15.8  |

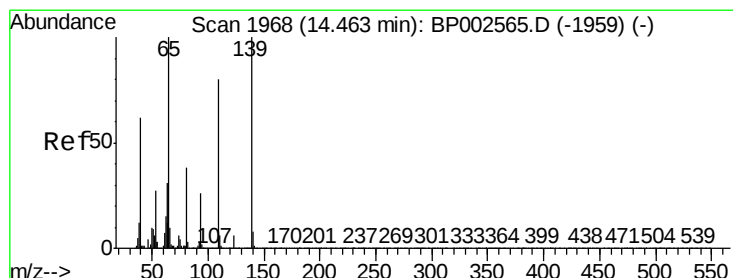
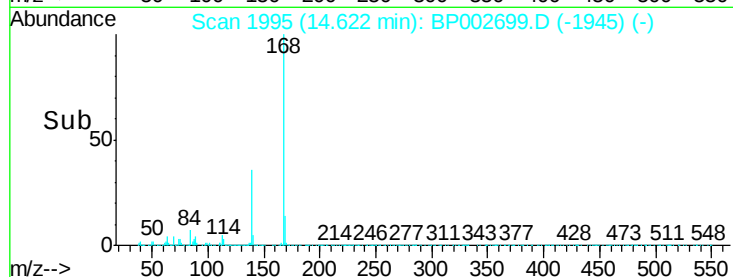
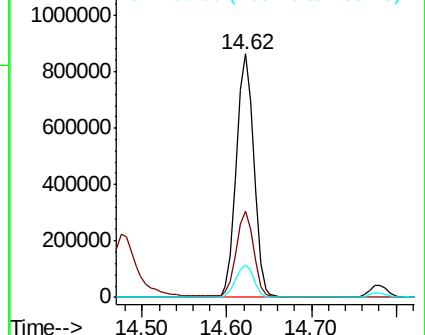


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 107.084 ng

RT: 14.47 min Scan# 1970

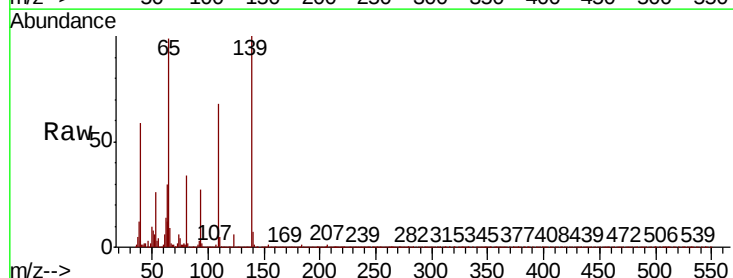
Delta R.T. 0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Tgt Ion:139 Resp: 459642

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 139 | 100   |       |       |
| 109 | 68.1  | 60.1  | 100.1 |
| 65  | 99.2  | 80.3  | 120.3 |

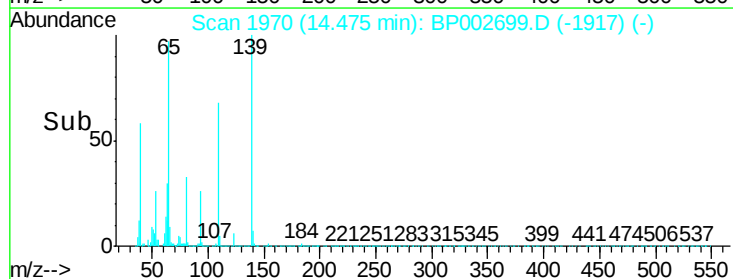
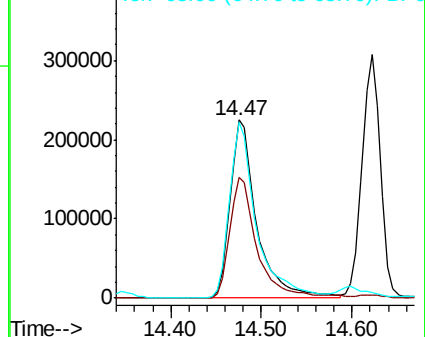


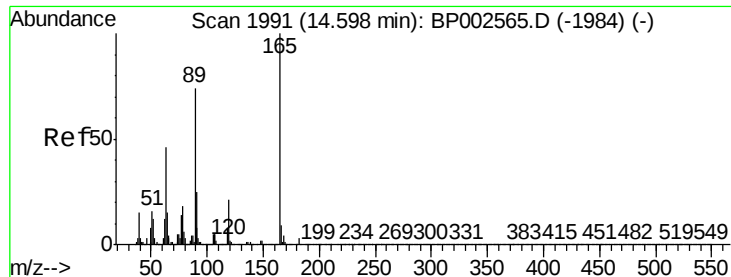
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BP0

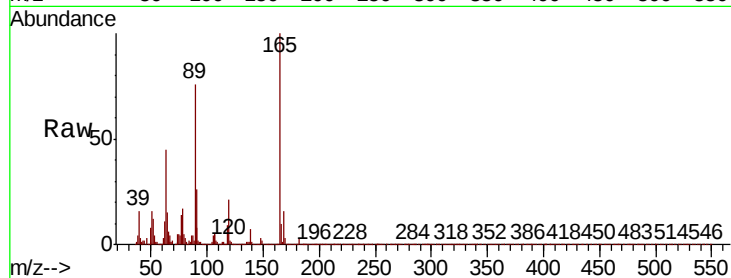




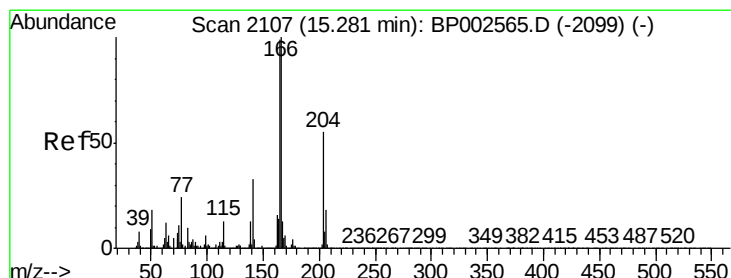
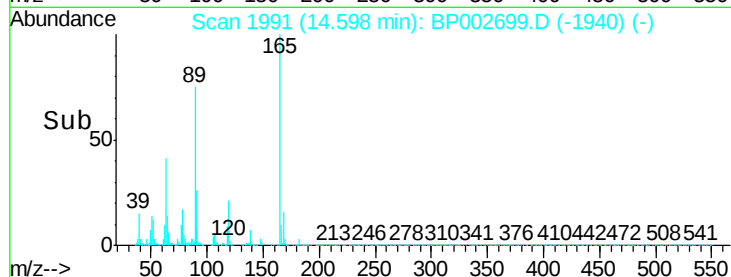
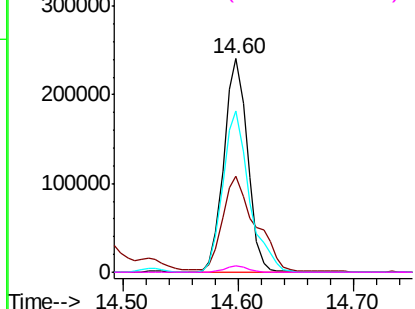
#57  
2,4-Dinitrotoluene  
Concen: 51.270 ng  
RT: 14.60 min Scan# 1991  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

Tot Ion:165 Resp: 341698  
Ion Ratio Lower Upper  
165 100  
63 44.8 37.3 55.9  
89 75.6 59.4 89.0  
182 2.7 2.2 3.2

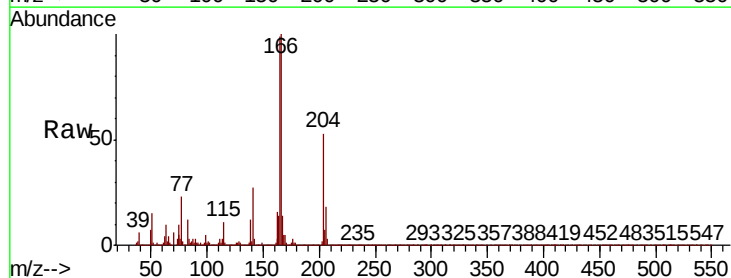


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BP0  
Ion 89.00 (88.70 to 89.70): BP0  
Ion 182.00 (181.70 to 182.70): E

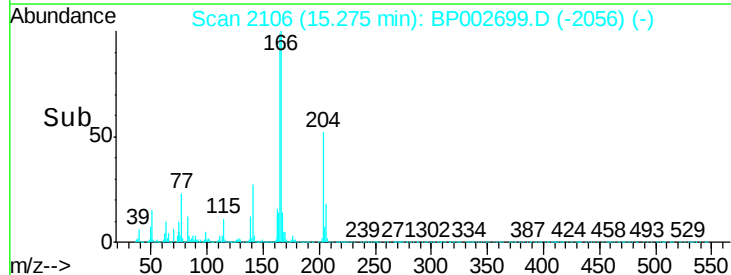
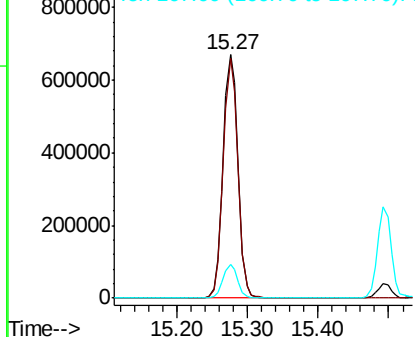


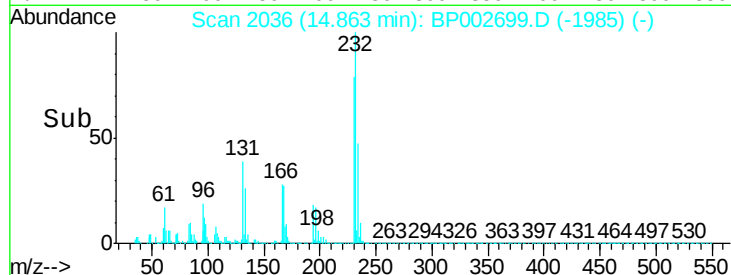
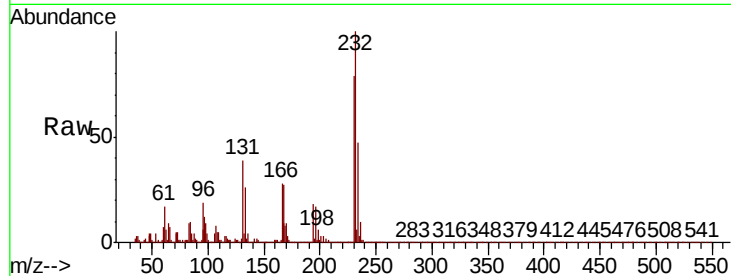
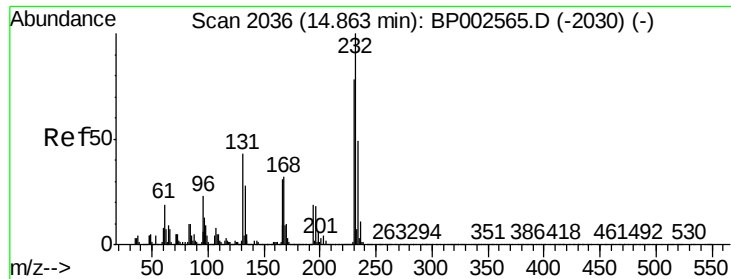
#58  
Fluorene  
Concen: 47.550 ng  
RT: 15.27 min Scan# 2106  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Tgt Ion:166 Resp: 980029  
Ion Ratio Lower Upper  
166 100  
165 98.7 79.1 118.7  
167 14.1 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E

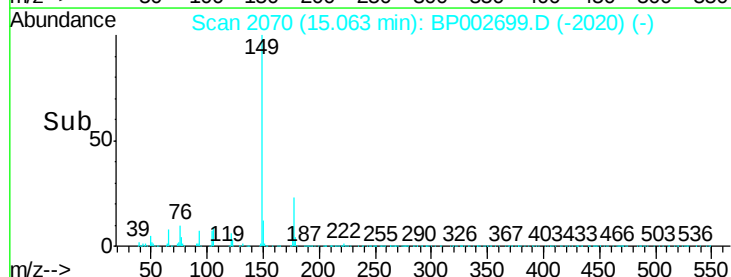
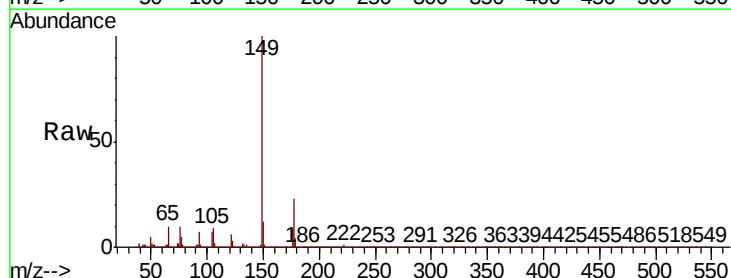
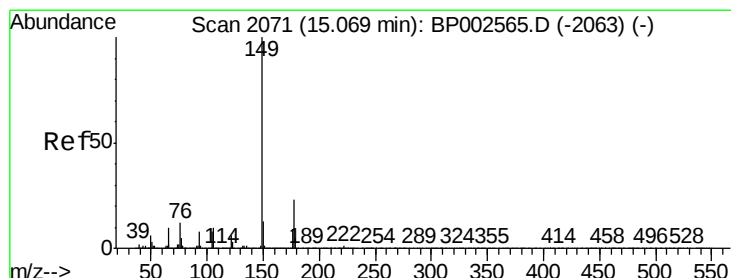
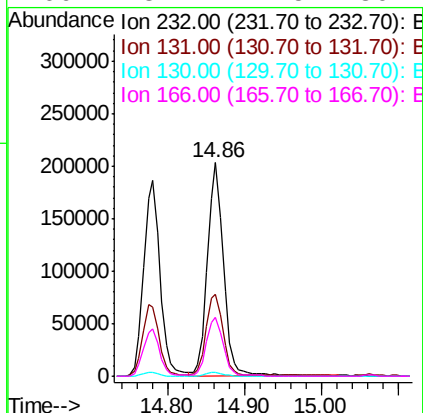




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 50.819 ng  
RT: 14.86 min Scan# 2036  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

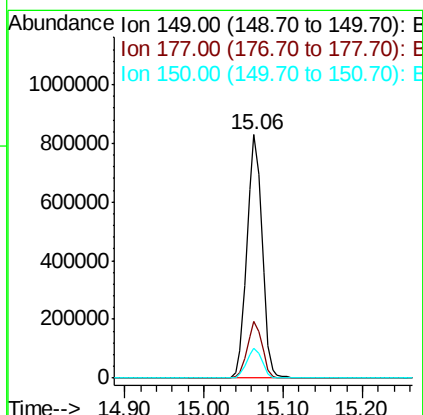
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

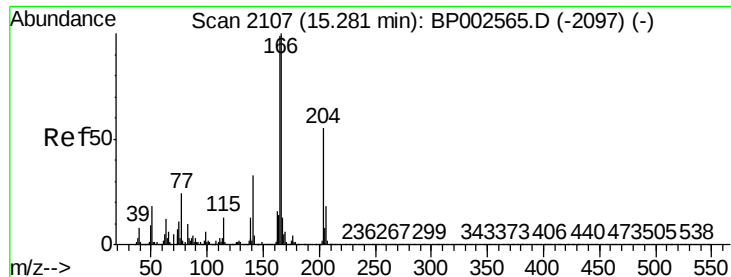
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 40.7  | 34.4  | 51.6  |
| 130     | 2.1   | 1.8   | 2.6   |
| 166     | 28.7  | 24.5  | 36.7  |



#60  
Diethylphthalate  
Concen: 48.422 ng  
RT: 15.06 min Scan# 2070  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.5  | 18.6  | 27.8  |
| 150     | 12.5  | 10.2  | 15.2  |

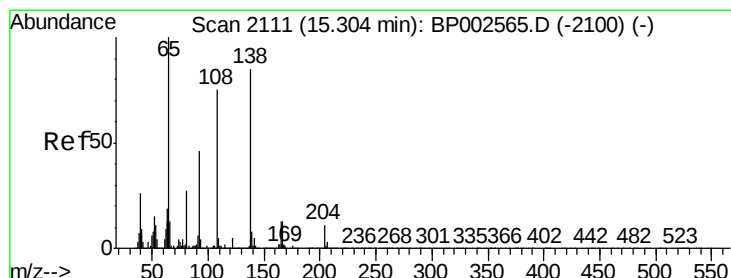
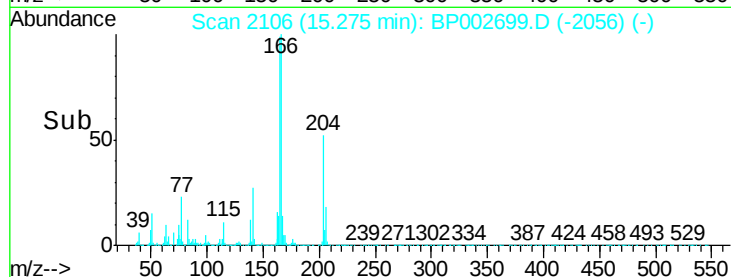
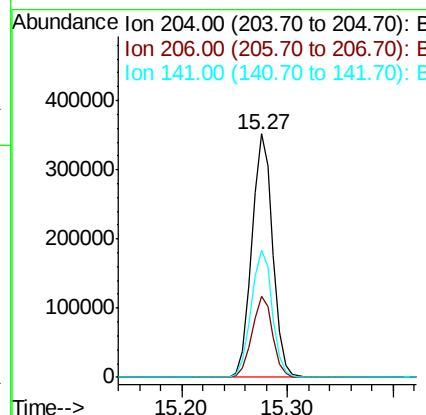
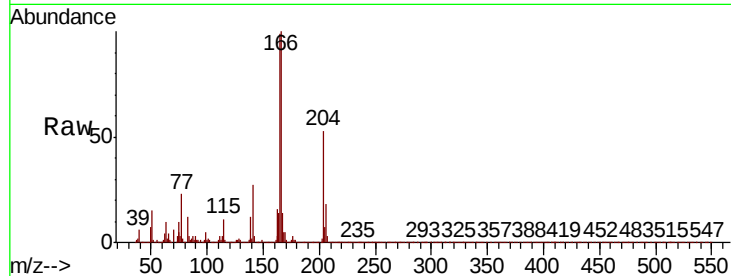




#61  
4-Chlorophenyl-phenylether  
Concen: 43.720 ng  
RT: 15.27 min Scan# 2106  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

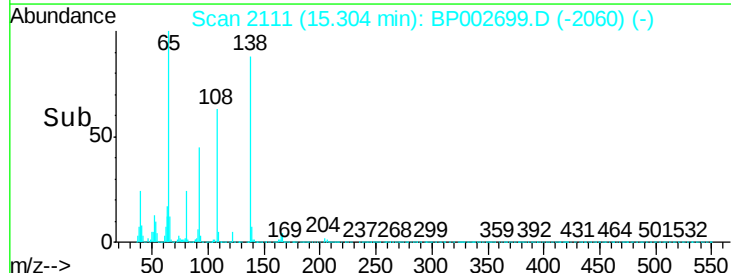
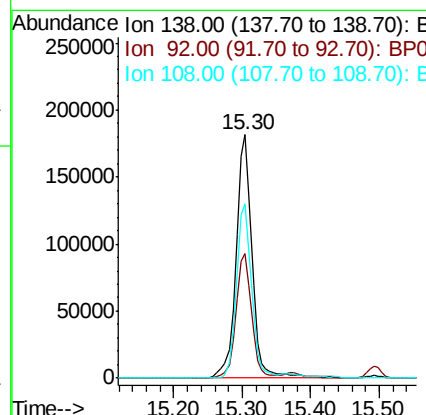
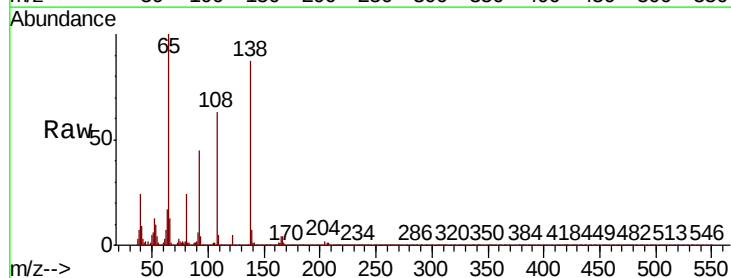
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

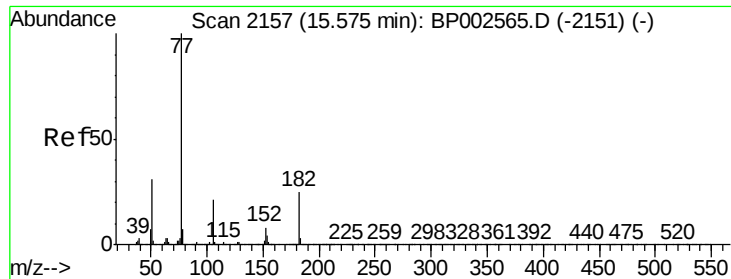
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.4  | 26.6  | 39.8  |
| 141     | 52.2  | 47.7  | 71.5  |



#62  
4-Nitroaniline  
Concen: 54.630 ng  
RT: 15.30 min Scan# 2111  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 51.3  | 33.9  | 73.9  |
| 108     | 71.4  | 67.8  | 107.8 |

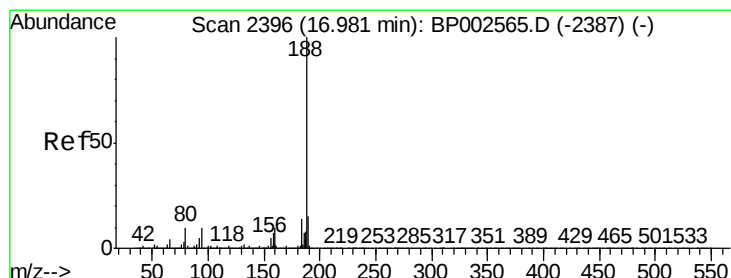
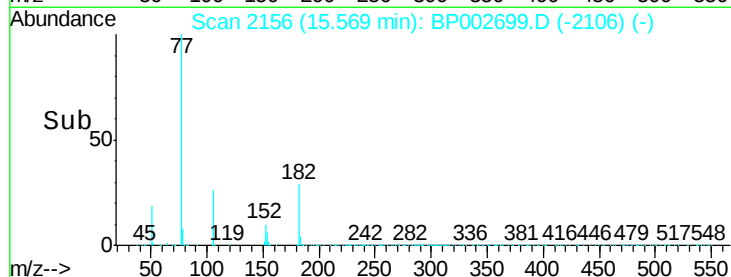
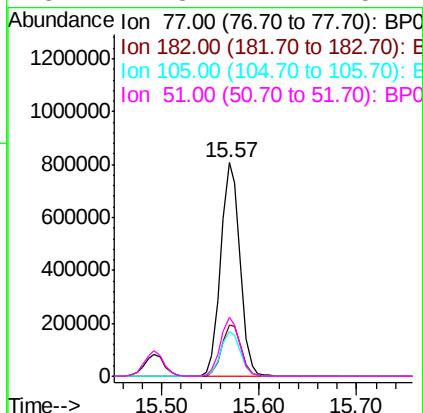
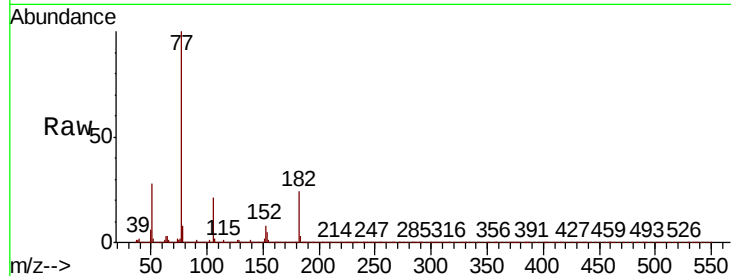




#63  
Azobenzene  
Concen: 49.697 ng  
RT: 15.57 min Scan# 2156  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

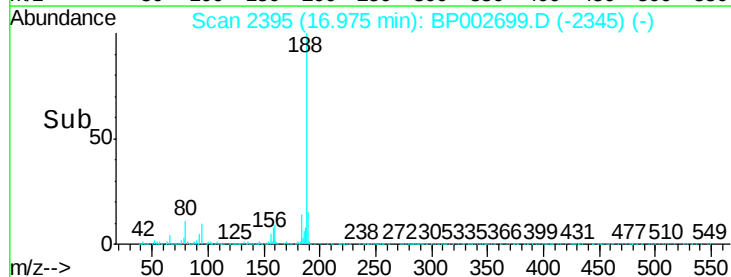
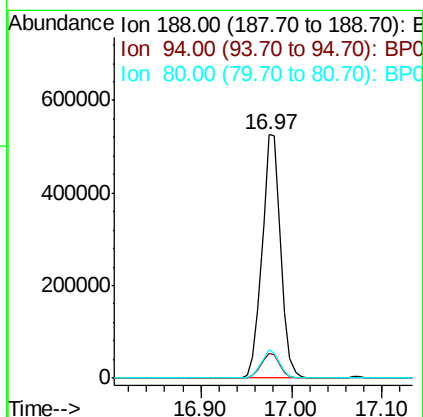
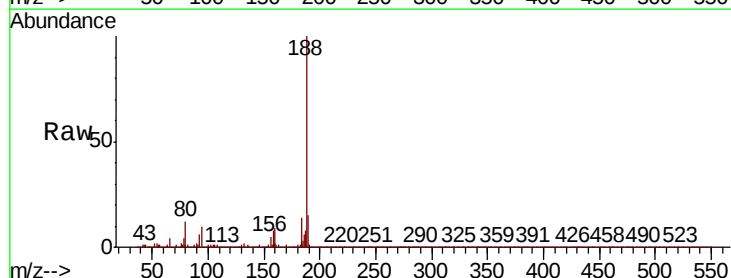
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

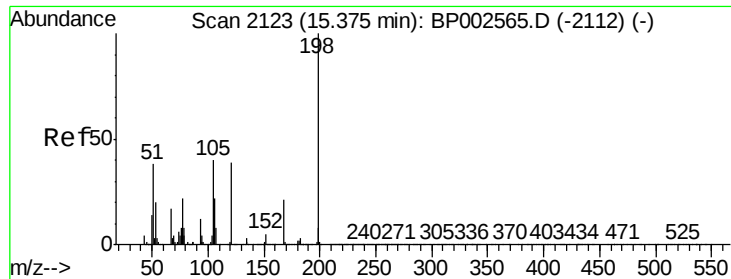
| Tot Ion: | 77    | Resp: | 1096133 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 77       | 100   |       |         |
| 182      | 23.8  | 4.7   | 44.7    |
| 105      | 21.2  | 0.6   | 40.6    |
| 51       | 27.8  | 11.2  | 51.2    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.97 min Scan# 2395  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

| Tgt Ion: | 188   | Resp: | 750445 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.3  | 7.8   | 11.6   |
| 80       | 11.6  | 8.2   | 12.4   |

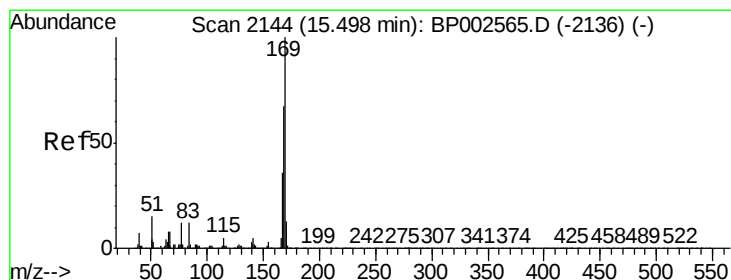
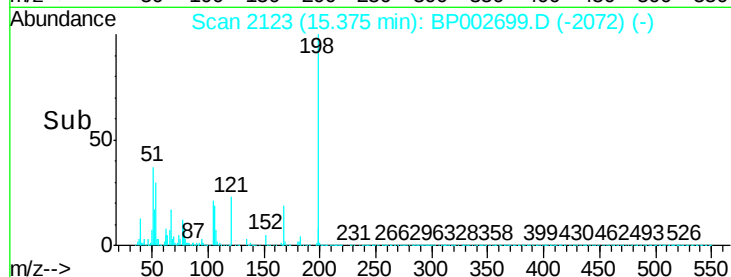
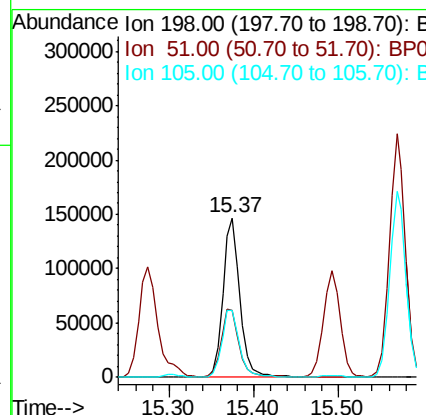
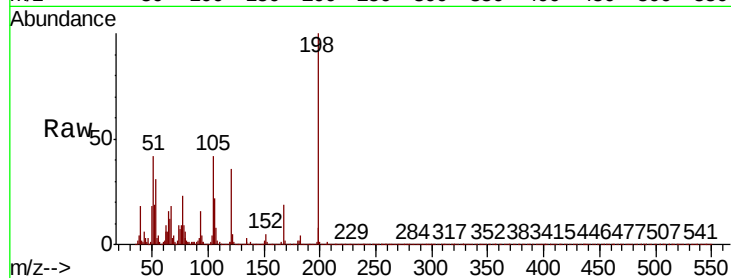




#65  
4,6-Dinitro-2-methylphenol  
Concen: 43.098 ng  
RT: 15.37 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

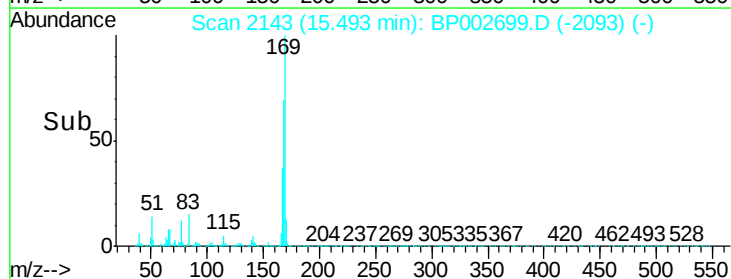
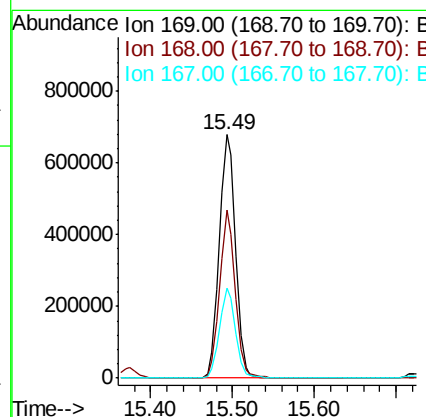
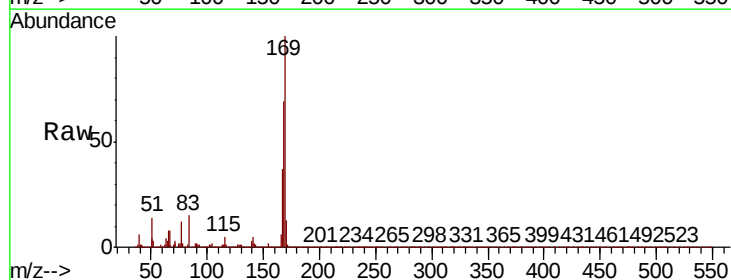
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

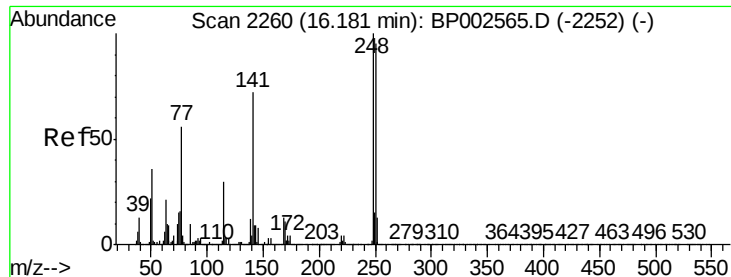
Tot Ion:198 Resp: 206753  
Ion Ratio Lower Upper  
198 100  
51 42.1 24.2 64.2  
105 42.0 20.7 60.7



#66  
n-Nitrosodiphenylamine  
Concen: 42.849 ng  
RT: 15.49 min Scan# 2143  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Tgt Ion:169 Resp: 938712  
Ion Ratio Lower Upper  
169 100  
168 69.0 53.5 80.3  
167 36.9 29.1 43.7

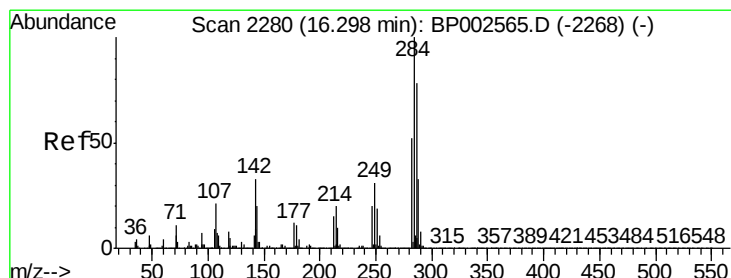
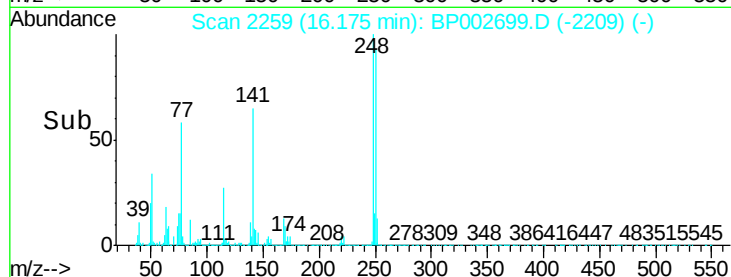
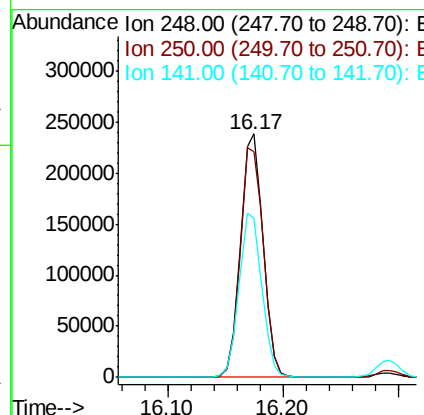
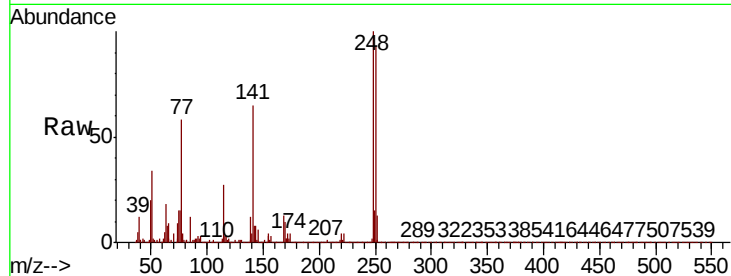




#67  
4-Bromophenyl-phenylether  
Concen: 38.060 ng  
RT: 16.17 min Scan# 2259  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

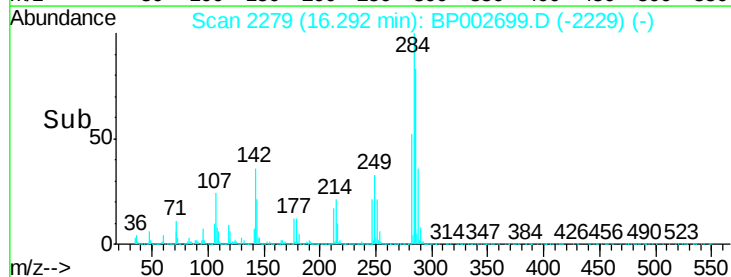
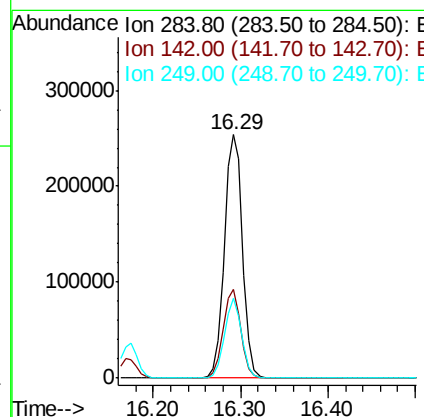
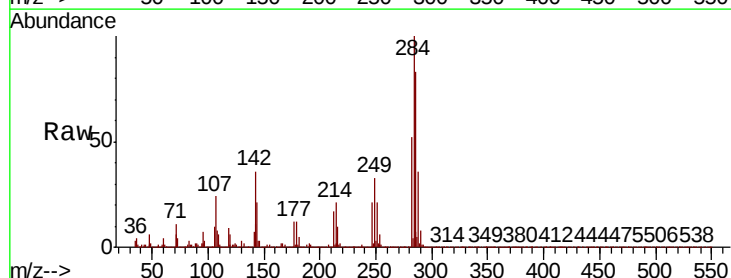
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

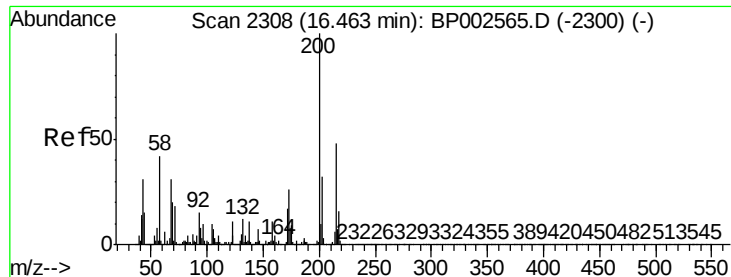
Tot Ion:248 Resp: 320960  
Ion Ratio Lower Upper  
248 100  
250 92.9 76.1 114.1  
141 65.1 57.8 86.6



#68  
Hexachlorobenzene  
Concen: 39.988 ng  
RT: 16.29 min Scan# 2279  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Tgt Ion:284 Resp: 361271  
Ion Ratio Lower Upper  
284 100  
142 36.4 26.6 40.0  
249 33.0 25.1 37.7

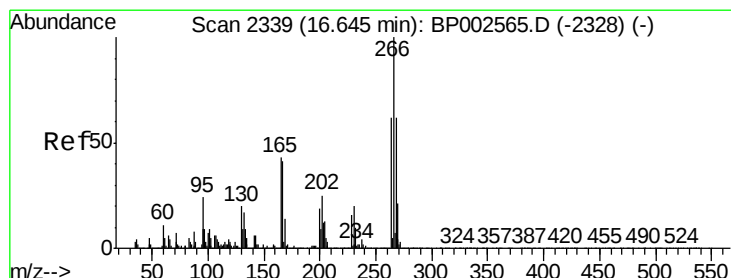
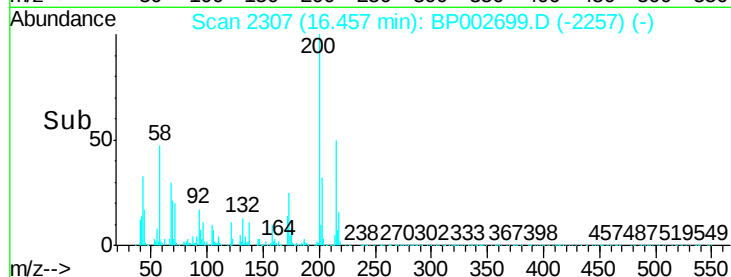
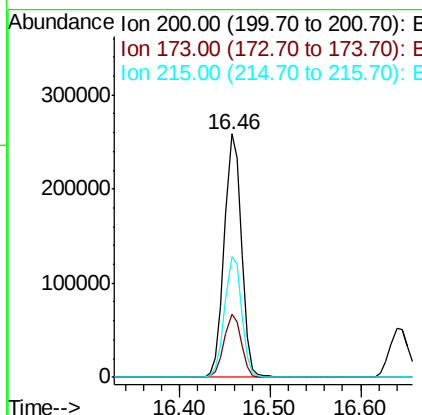
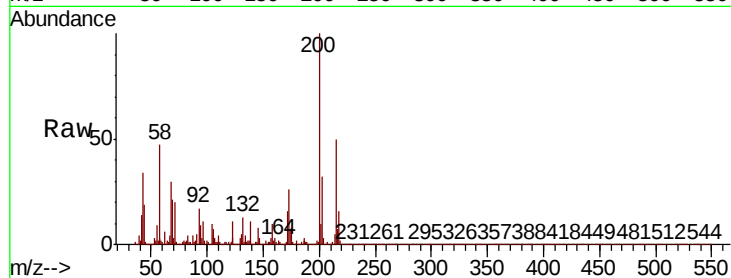




#69  
Atrazine  
Concen: 47.958 ng  
RT: 16.46 min Scan# 2307  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

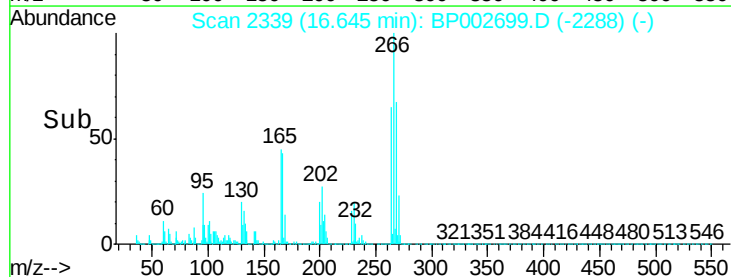
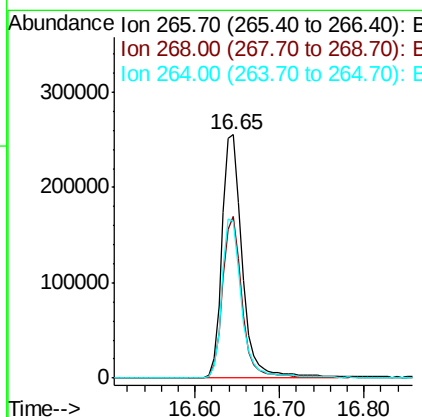
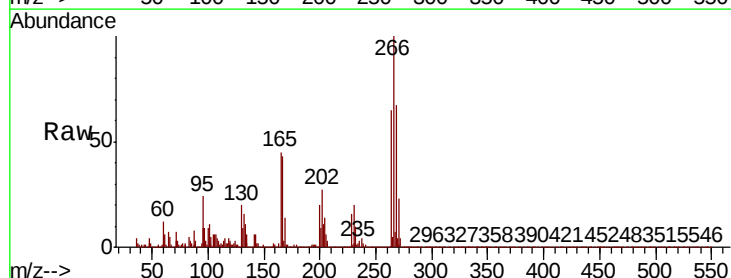
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

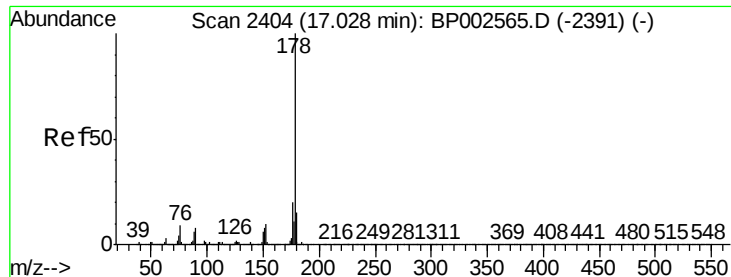
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.1  | 6.3   | 46.3  |
| 215     | 49.7  | 28.3  | 68.3  |



#70  
Pentachlorophenol  
Concen: 82.838 ng  
RT: 16.65 min Scan# 2339  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 66.5  | 49.7  | 74.5  |
| 264     | 64.5  | 49.3  | 73.9  |





#71

Phenanthrene

Concen: 44.122 ng

RT: 17.02 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampleId :

PB130037BS

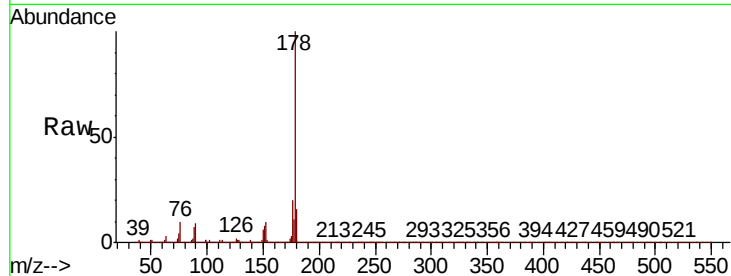
Tot Ion:178 Resp: 1781503

Ion Ratio Lower Upper

178 100

176 20.2 15.6 23.4

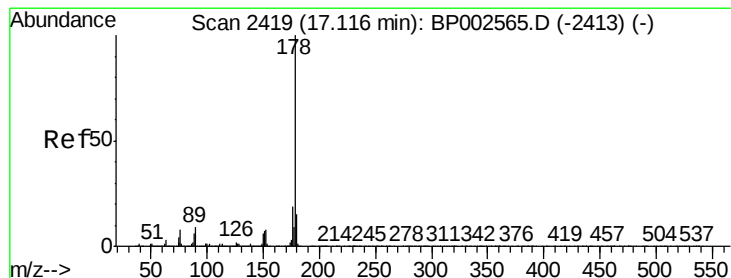
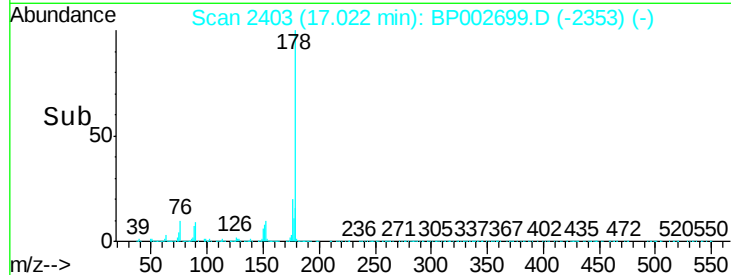
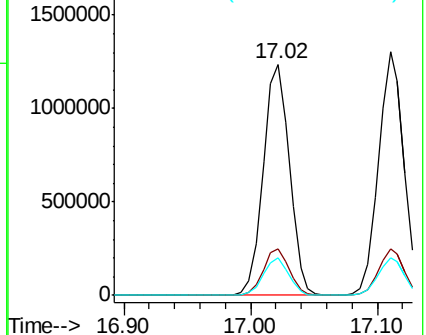
179 16.1 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 45.626 ng

RT: 17.11 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

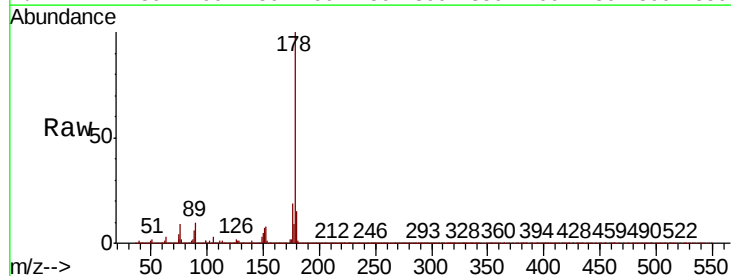
Tgt Ion:178 Resp: 1833211

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

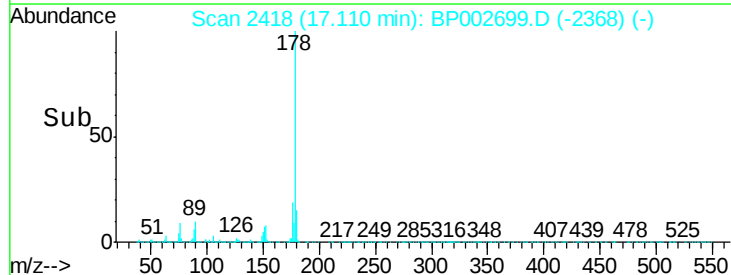
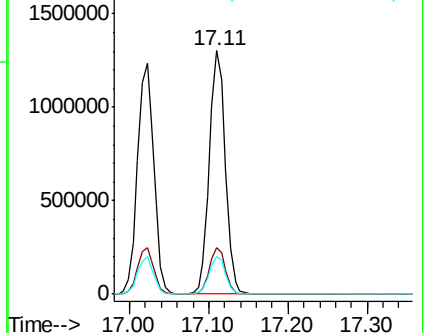
179 15.4 12.2 18.2

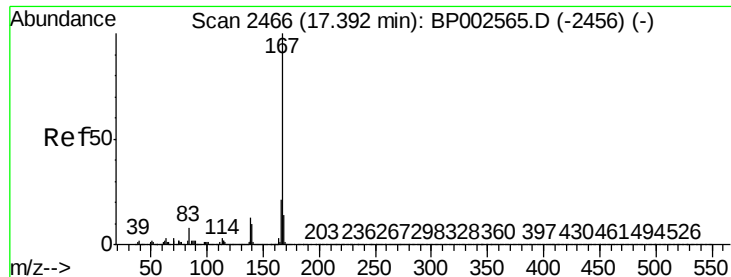


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

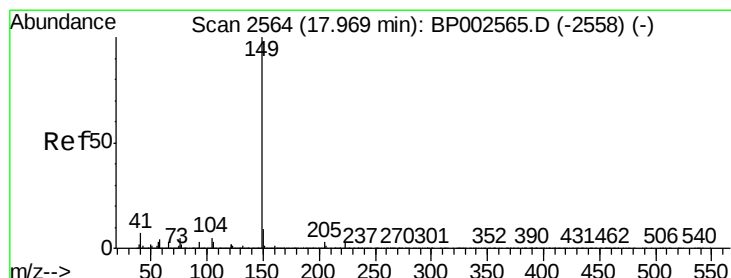
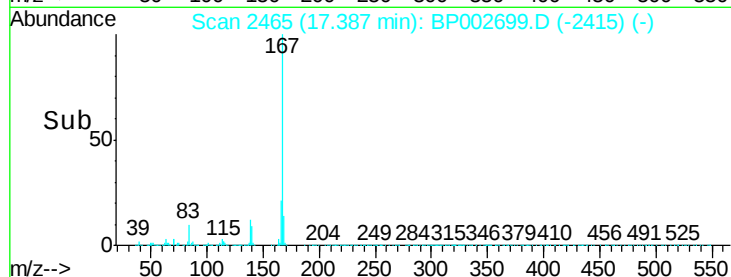
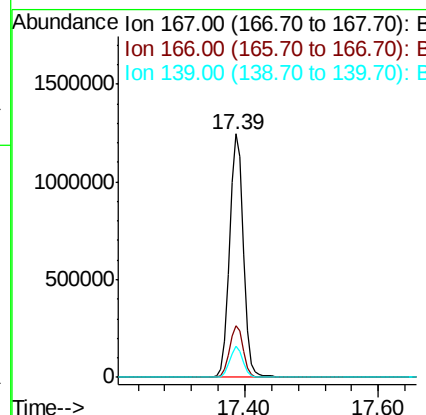
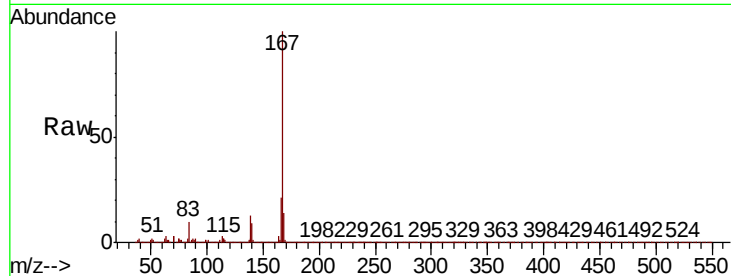




#73  
 Carbazole  
 Concen: 46.883 ng  
 RT: 17.39 min Scan# 2465  
 Delta R.T. -0.01 min  
 Lab File: BP002699.D  
 Acq: 09 Jul 2020 16:14

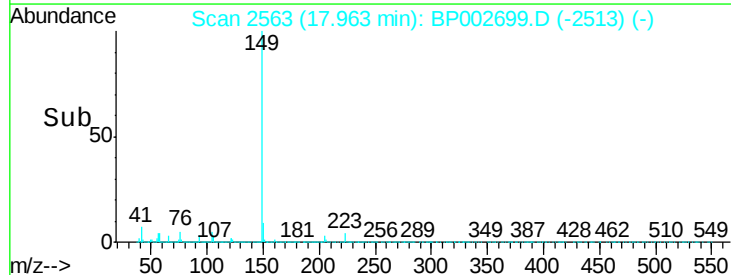
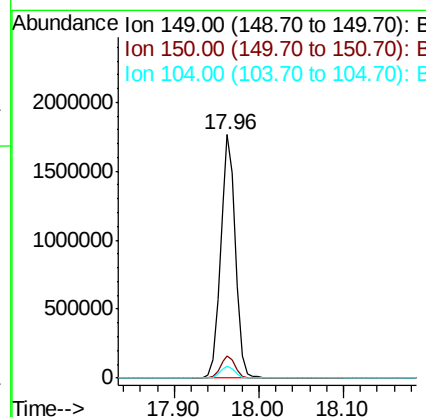
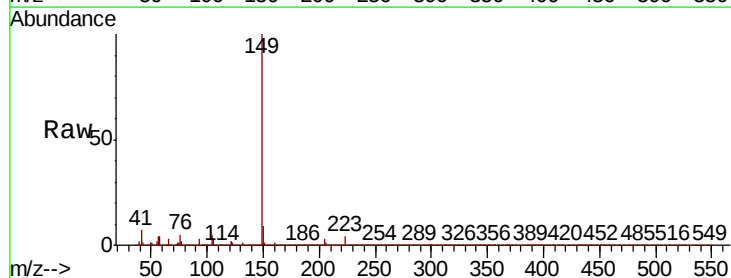
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB130037BS

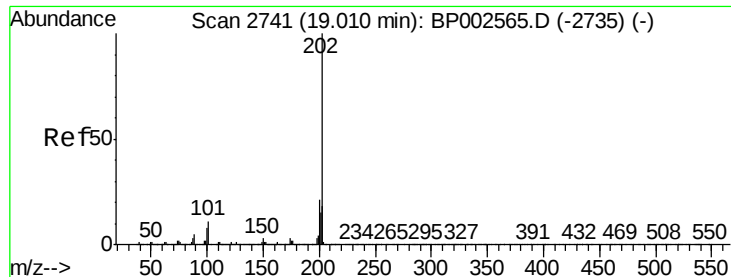
Tot Ion:167 Resp: 1820515  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 17.1 25.7  
 139 12.6 10.5 15.7



#74  
 Di-n-butylphthalate  
 Concen: 47.520 ng  
 RT: 17.96 min Scan# 2563  
 Delta R.T. -0.01 min  
 Lab File: BP002699.D  
 Acq: 09 Jul 2020 16:14

Tgt Ion:149 Resp: 2173125  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.3 10.9  
 104 5.0 4.2 6.4





#75

Fluoranthene

Concen: 47.544 ng

RT: 19.00 min Scan# 2740

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampleId :

PB130037BS

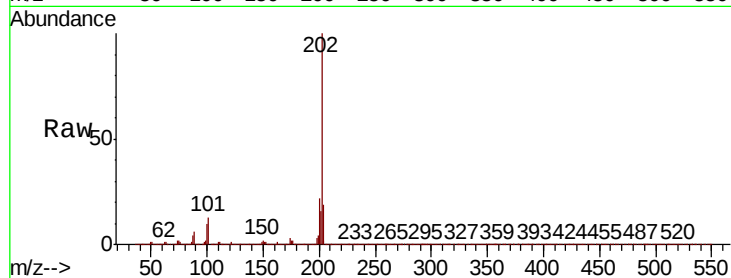
Tot Ion:202 Resp: 2323688

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 12.9  | 0.0   | 30.6  |
| 203 | 19.2  | 0.0   | 37.7  |

202 100

101 12.9 0.0 30.6

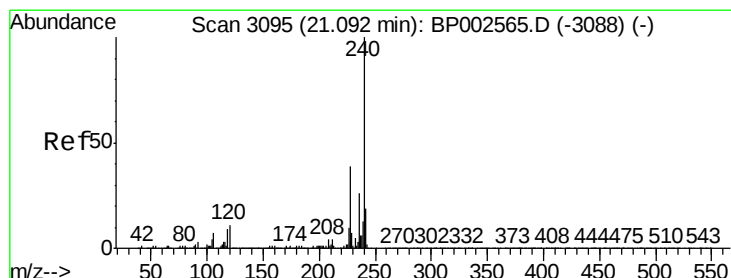
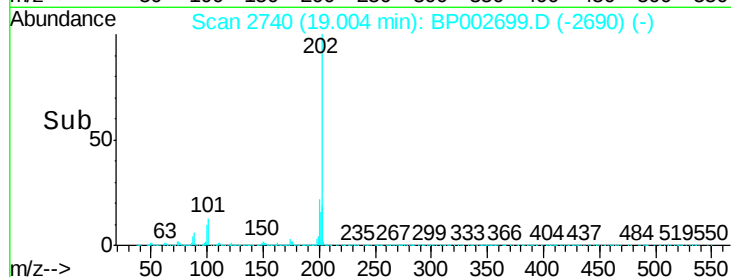
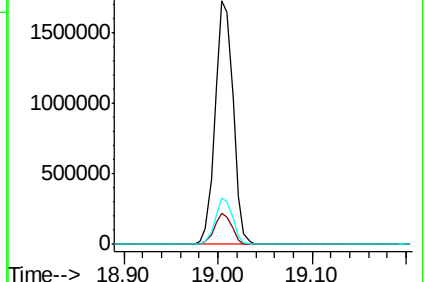
203 19.2 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

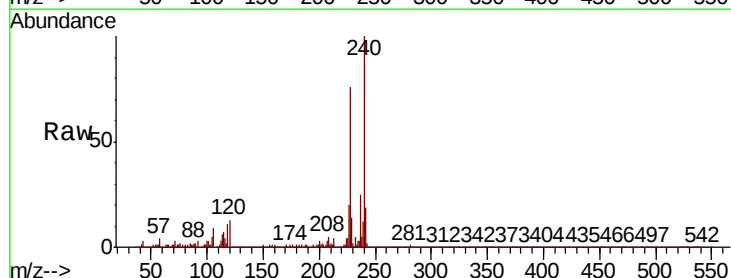
Tgt Ion:240 Resp: 857787

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 12.9  | 8.6   | 13.0  |
| 236 | 25.3  | 20.8  | 31.2  |

240 100

120 12.9 8.6 13.0

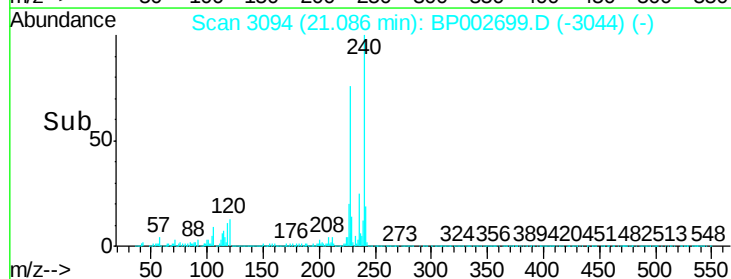
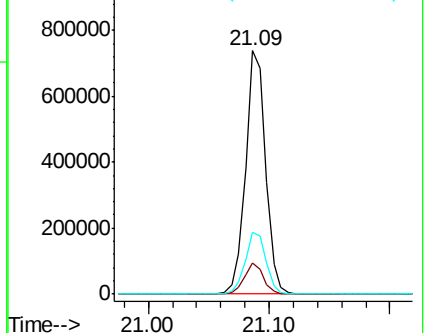
236 25.3 20.8 31.2

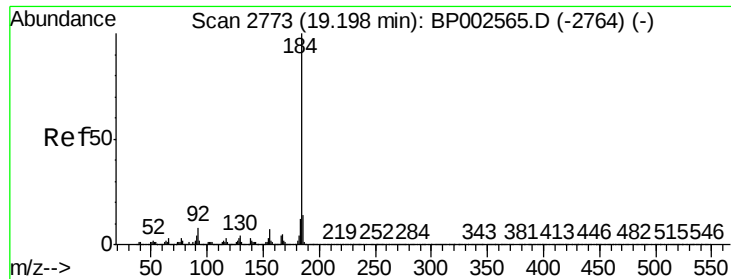


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.19 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

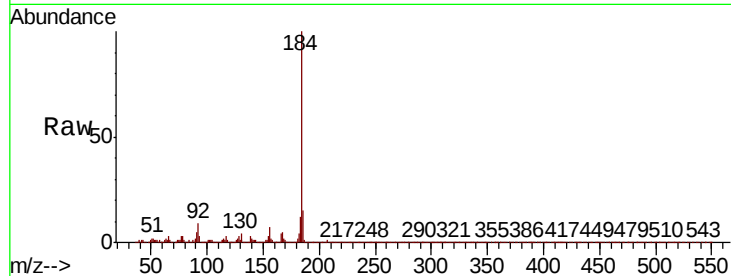
BNA\_P

ClientSampled :

PB130037BS

Tot Ion:184 Resp: 1249583

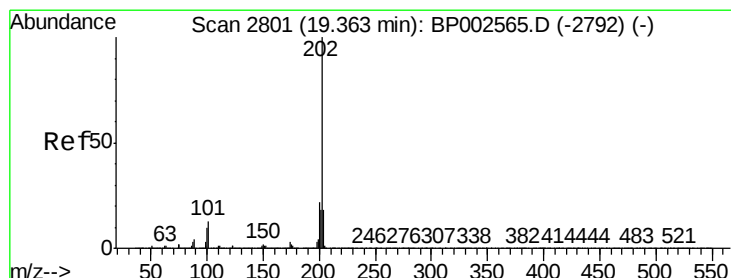
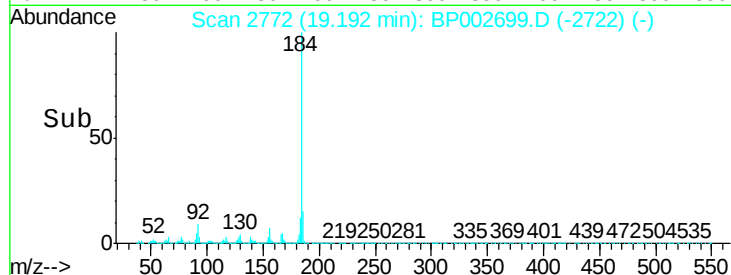
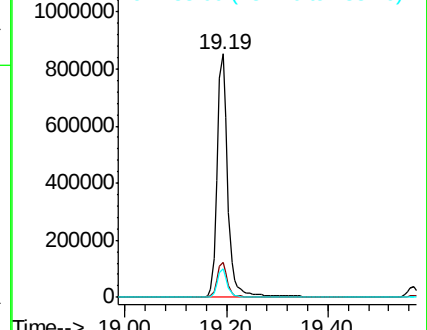
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.5  | 11.4  | 17.2  |
| 183 | 11.8  | 9.2   | 13.8  |



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: 41.246 ng

RT: 19.36 min Scan# 2800

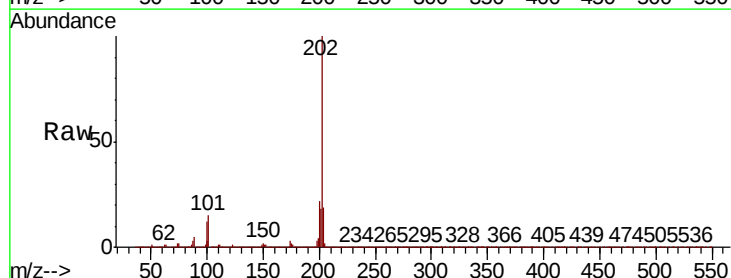
Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Tgt Ion:202 Resp: 2408223

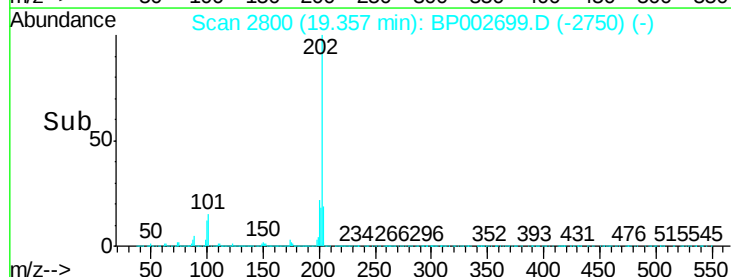
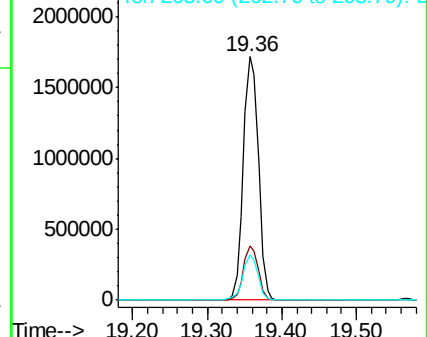
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 22.5  | 17.6  | 26.4  |
| 203 | 18.7  | 14.4  | 21.6  |

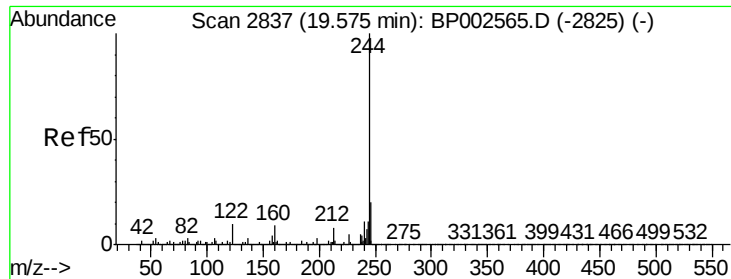


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.981 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampleId :

PB130037BS

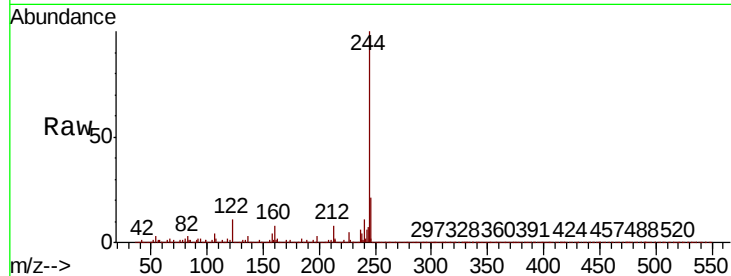
Tot Ion:244 Resp: 3178449

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

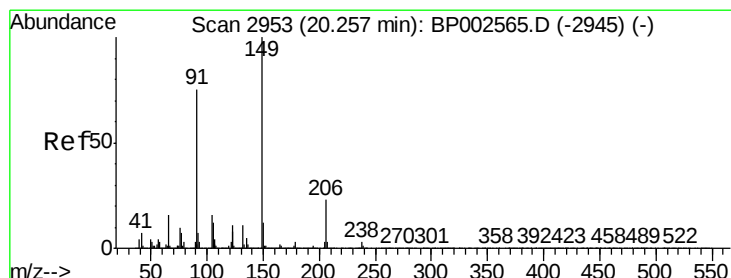
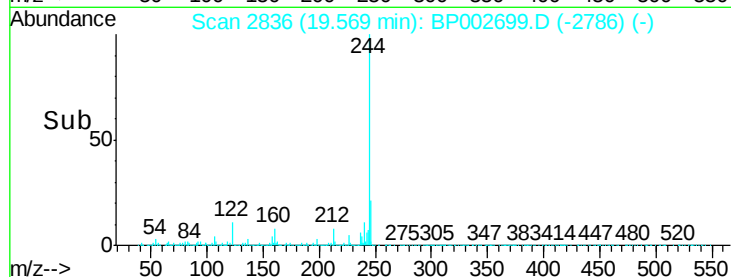
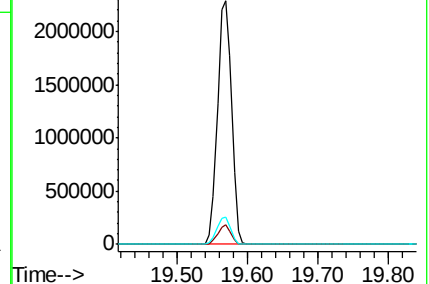
122 11.1 7.9 11.9



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: 42.770 ng

RT: 20.25 min Scan# 2952

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

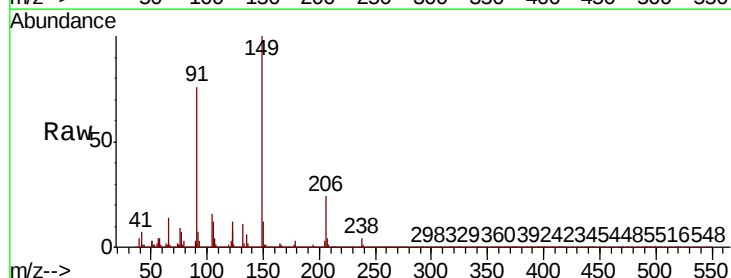
Tgt Ion:149 Resp: 1090213

Ion Ratio Lower Upper

149 100

91 75.7 59.8 89.6

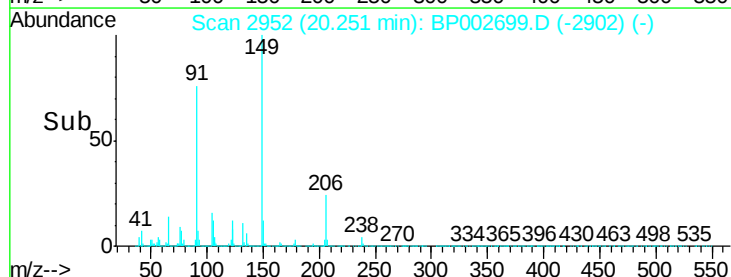
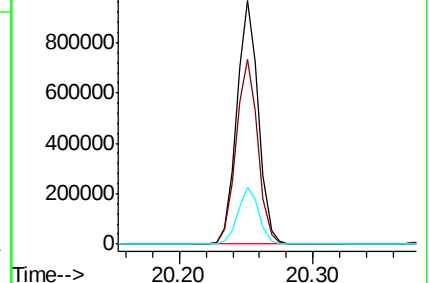
206 23.5 18.2 27.4

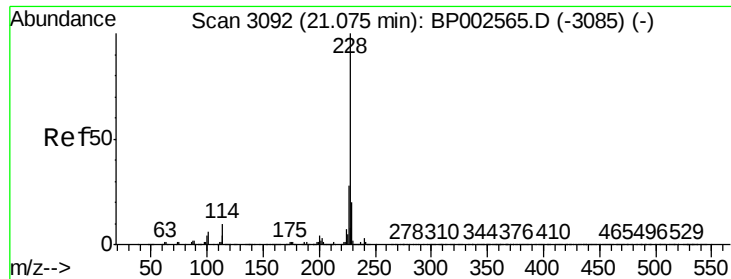


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

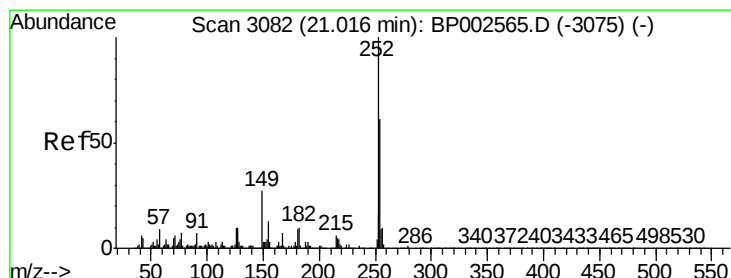
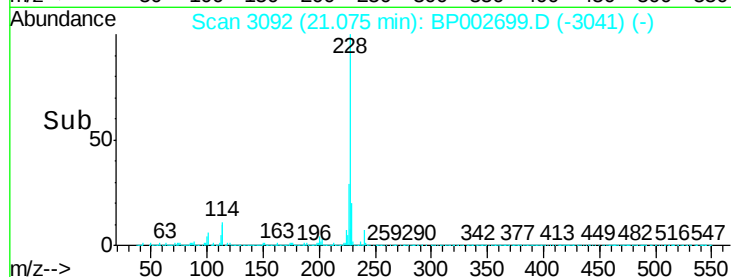
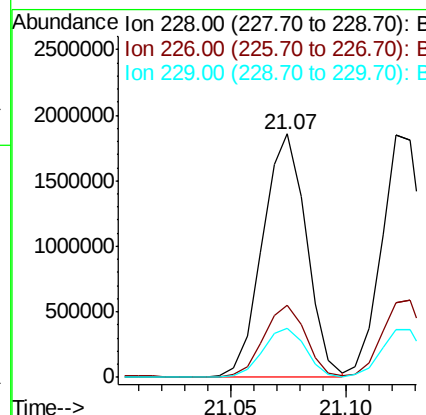
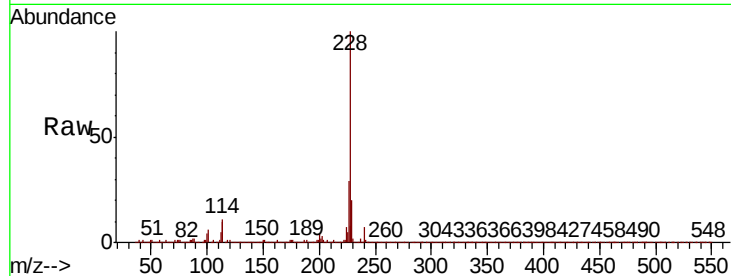




#81  
Benzo(a)anthracene  
Concen: 43.536 ng  
RT: 21.07 min Scan# 3092  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

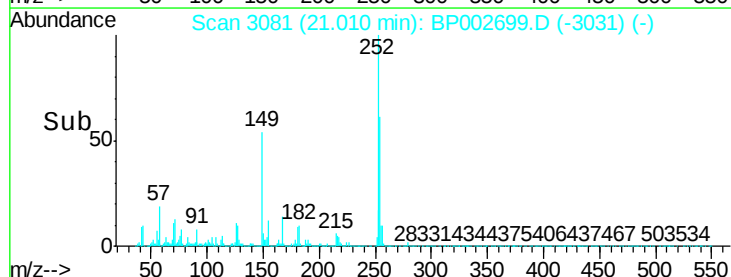
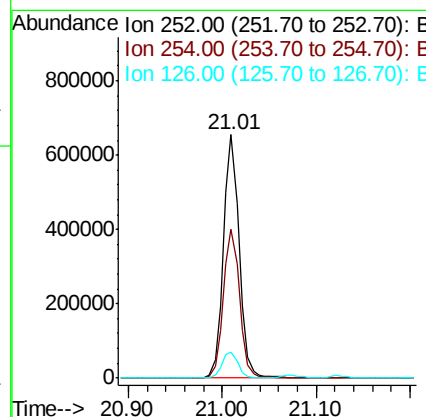
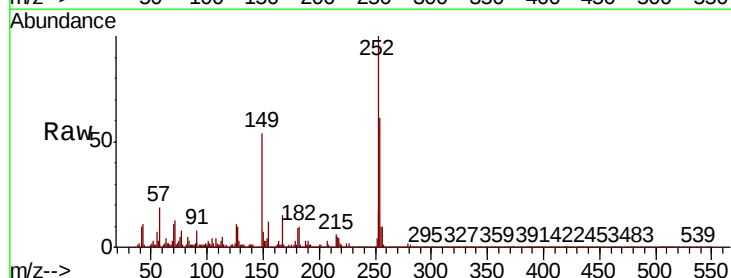
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

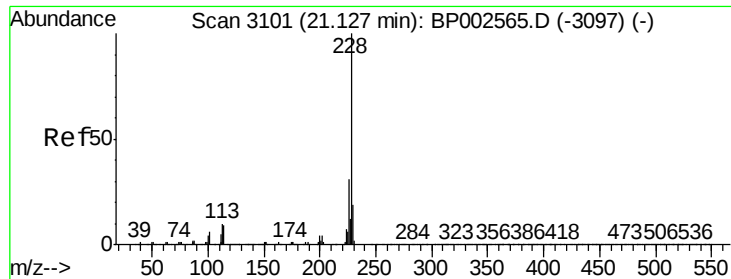
Tot Ion:228 Resp: 2441495  
Ion Ratio Lower Upper  
228 100  
226 29.4 22.5 33.7  
229 20.4 16.4 24.6



#82  
3,3'-Dichlorobenzidine  
Concen: 37.554 ng  
RT: 21.01 min Scan# 3081  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Tgt Ion:252 Resp: 771014  
Ion Ratio Lower Upper  
252 100  
254 61.2 49.0 73.6  
126 10.8 7.9 11.9

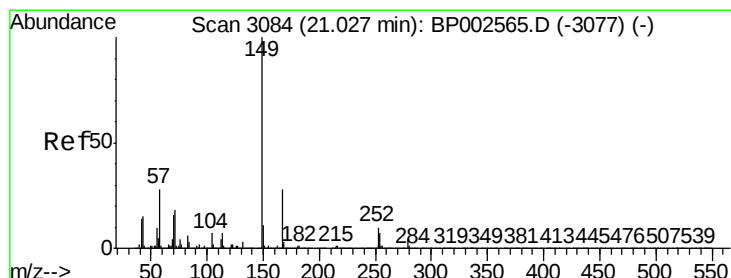
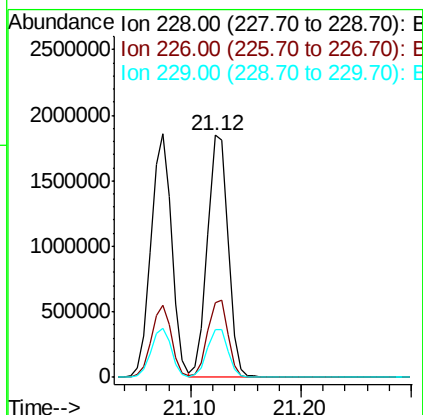
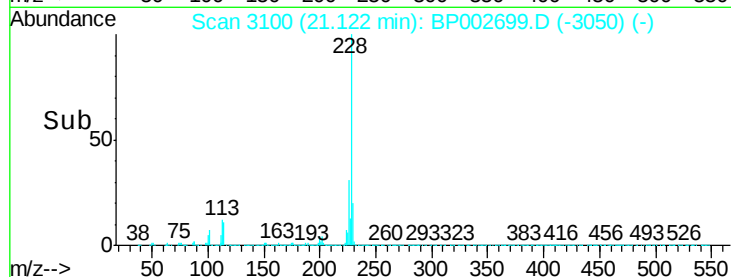
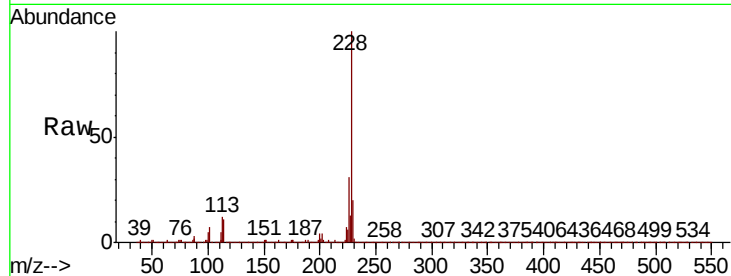




#83  
Chrysene  
Concen: 43.687 ng  
RT: 21.12 min Scan# 3100  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

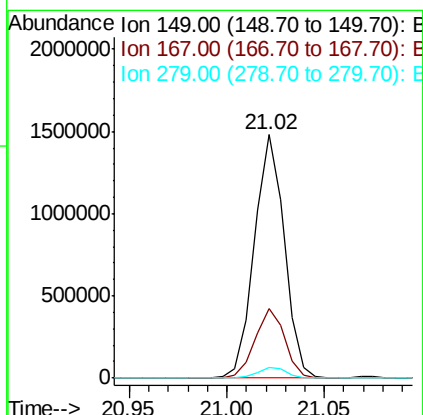
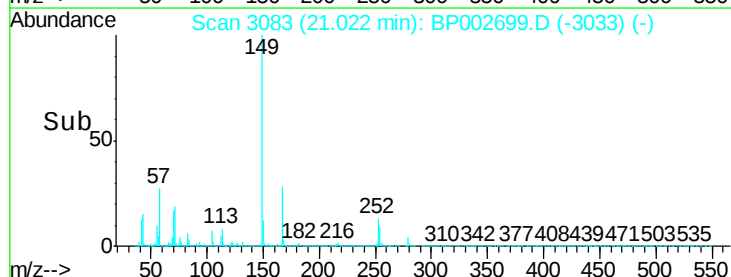
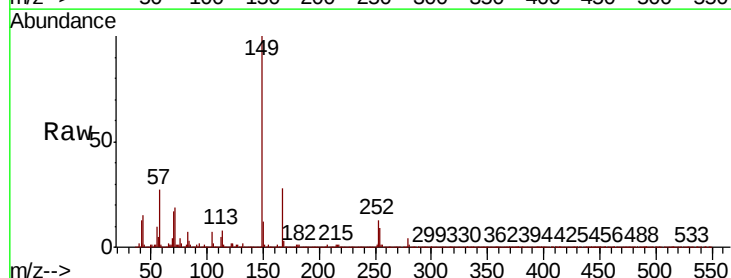
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

Tot Ion:228 Resp: 2349288  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.6 37.0  
229 19.8 15.6 23.4



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 42.971 ng  
RT: 21.02 min Scan# 3083  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Tgt Ion:149 Resp: 1572851  
Ion Ratio Lower Upper  
149 100  
167 28.5 22.1 33.1  
279 4.2 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 46.307 ng

RT: 21.89 min Scan# 3230

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampleId :

PB130037BS

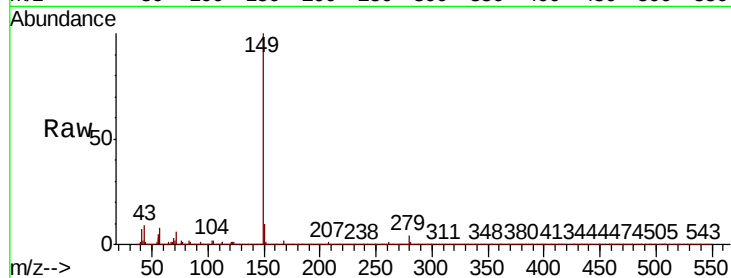
Tot Ion:149 Resp: 2993719

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

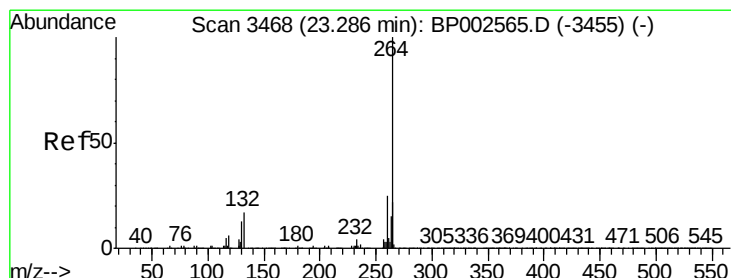
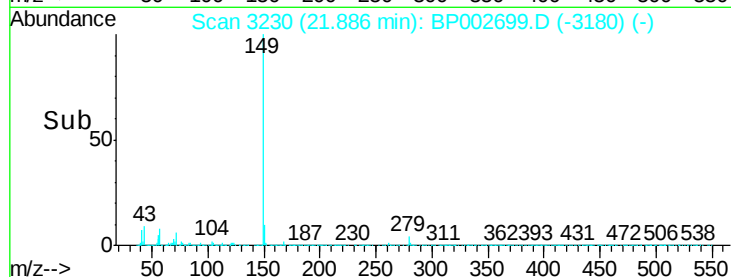
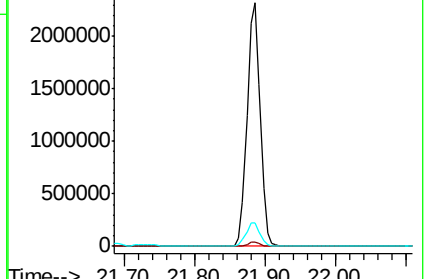
43 9.6 7.6 11.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BP0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.28 min Scan# 3467

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

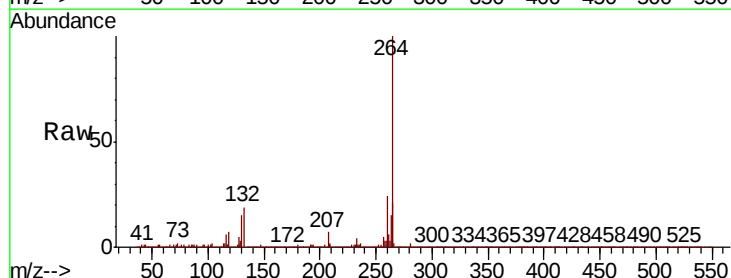
Tgt Ion:264 Resp: 1021823

Ion Ratio Lower Upper

264 100

260 24.0 19.7 29.5

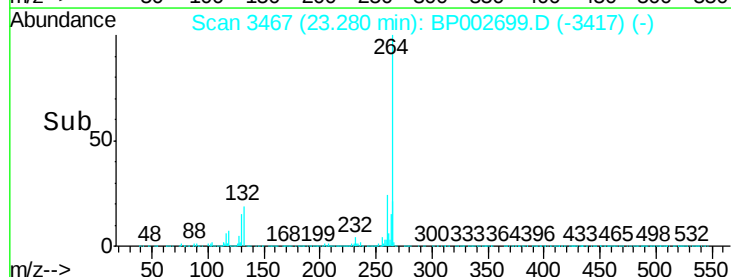
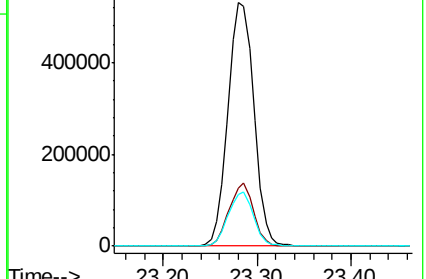
265 21.3 17.6 26.4

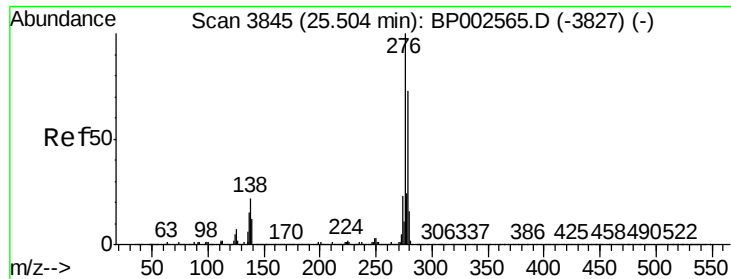


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.789 ng

RT: 25.50 min Scan# 3845

Delta R.T. 0.00 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

Instrument :

BNA\_P

ClientSampleId :

PB130037BS

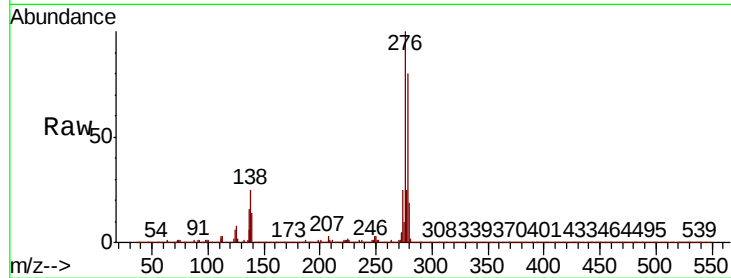
Tot Ion:276 Resp: 3663110

Ion Ratio Lower Upper

276 100

138 25.8 18.6 27.8

277 25.2 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

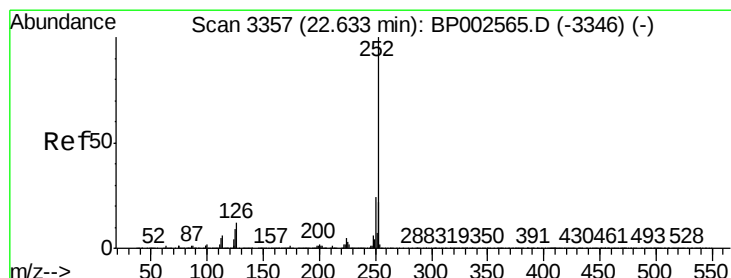
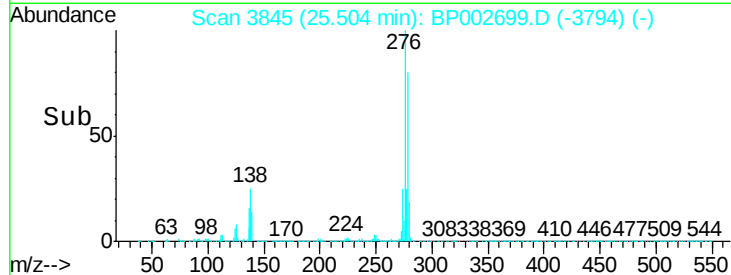
25.50

1000000

500000

0

Time-->



#88

Benzo(b)fluoranthene

Concen: 43.573 ng

RT: 22.63 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BP002699.D

Acq: 09 Jul 2020 16:14

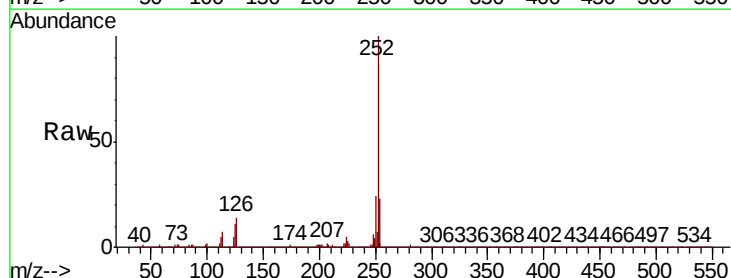
Tgt Ion:252 Resp: 2841027

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 10.9 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.63

2000000

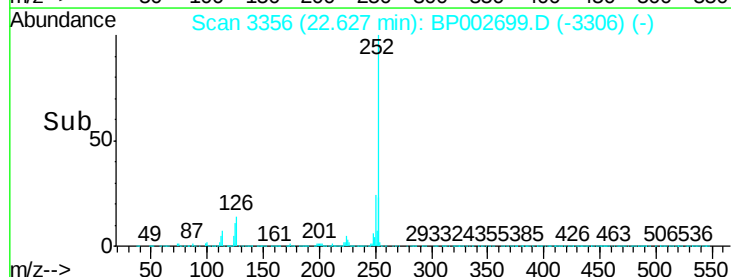
1500000

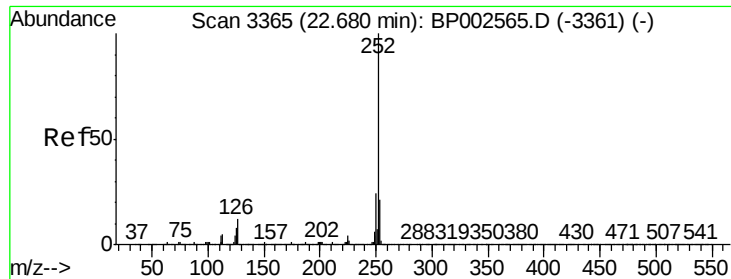
1000000

500000

0

Time-->

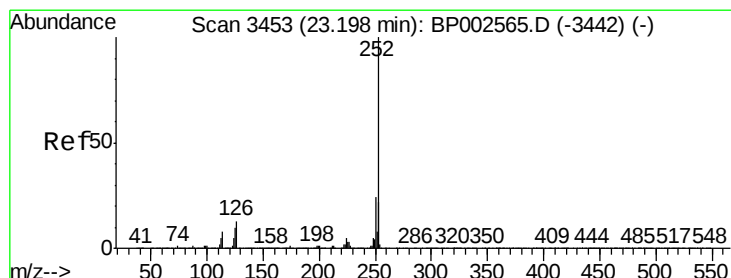
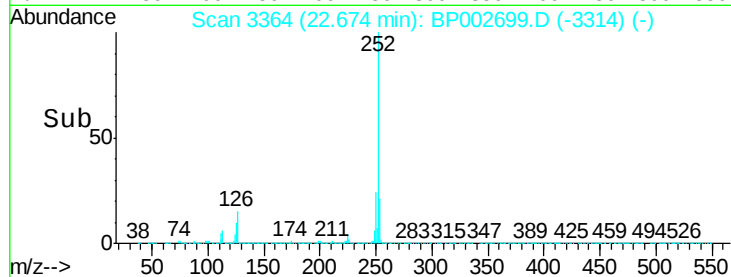
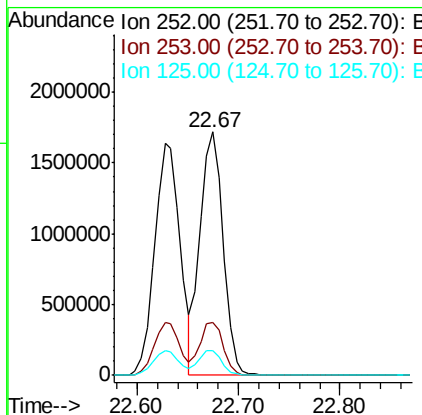
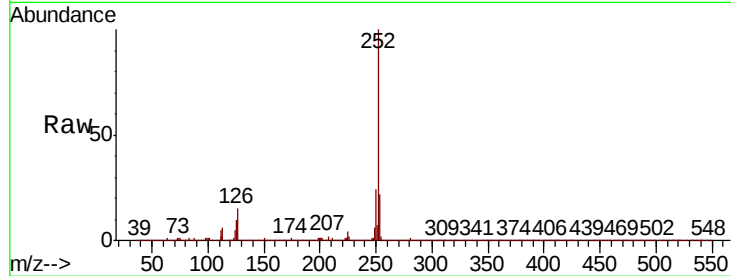




#89  
Benzo(k)fluoranthene  
Concen: 44.639 ng  
RT: 22.67 min Scan# 3364  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

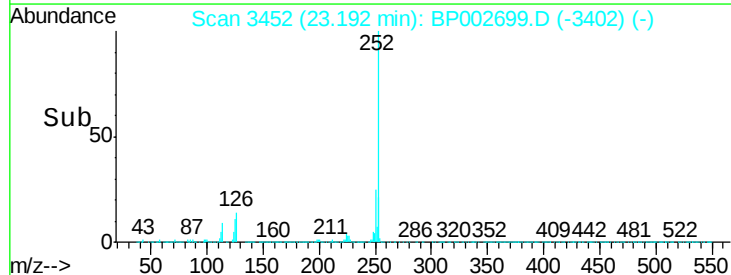
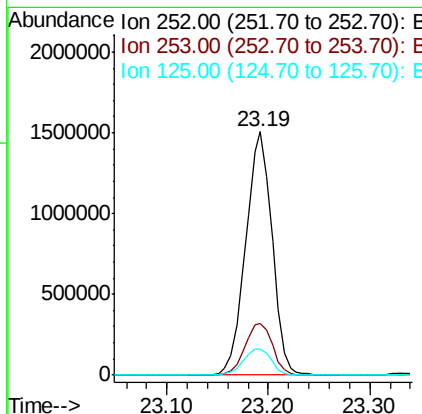
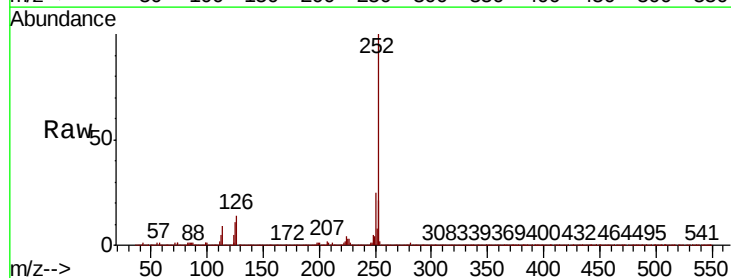
Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

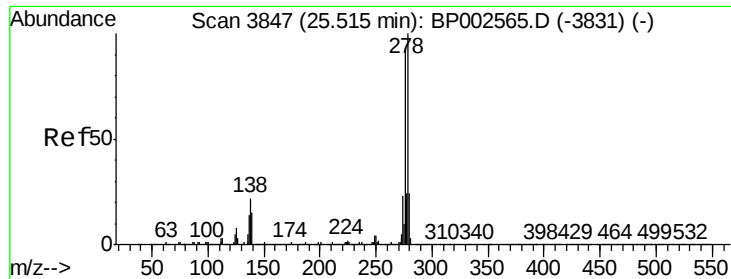
Tot Ion:252 Resp: 2715255  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.4 26.0  
125 9.9 6.9 10.3



#90  
Benzo(a)pyrene  
Concen: 45.320 ng  
RT: 23.19 min Scan# 3452  
Delta R.T. -0.01 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Tgt Ion:252 Resp: 2711677  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.8 26.6  
125 10.7 7.8 11.8

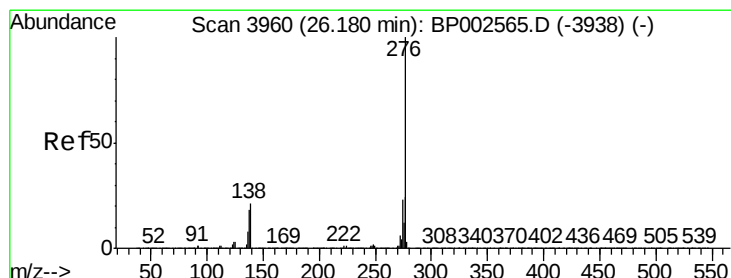
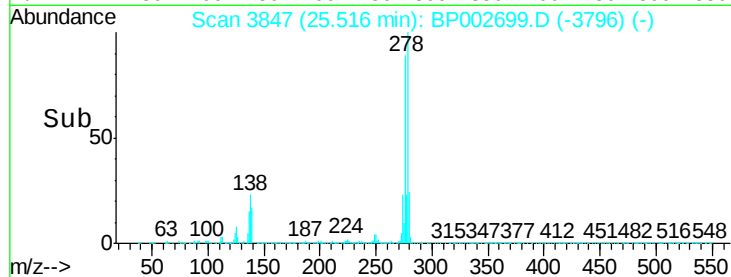
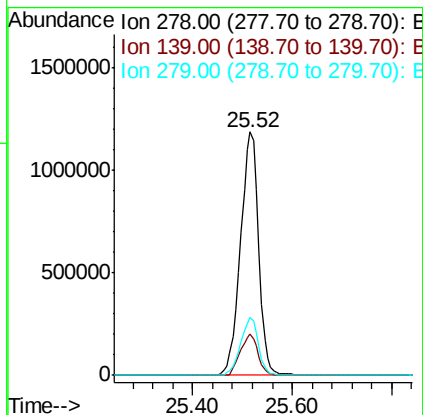
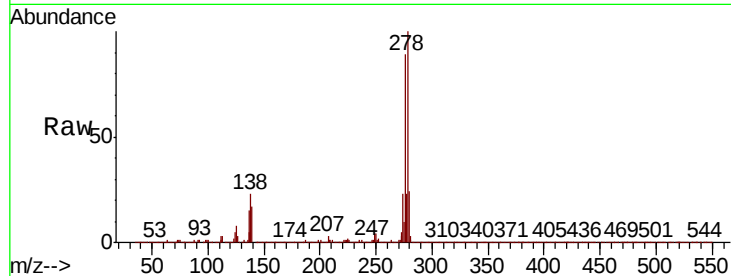




#91  
Dibenzo(a,h)anthracene  
Concen: 49.930 ng  
RT: 25.52 min Scan# 3847  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Instrument :  
BNA\_P  
ClientSampleId :  
PB130037BS

Tot Ion:278 Resp: 3001729  
Ion Ratio Lower Upper  
278 100  
139 17.0 12.2 18.2  
279 24.0 19.0 28.6



#92  
Benzo(g,h,i)perylene  
Concen: 52.138 ng  
RT: 26.18 min Scan# 3960  
Delta R.T. 0.00 min  
Lab File: BP002699.D  
Acq: 09 Jul 2020 16:14

Tgt Ion:276 Resp: 3134821  
Ion Ratio Lower Upper  
276 100  
277 23.7 19.3 28.9  
138 23.2 16.9 25.3

