

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\  
 Data File : BF117561.D  
 Acq On : 28 Oct 2019 15:10  
 Operator : JU  
 Sample : K5543-01MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Oct 29 14:04:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 18:53:31 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.73  | 152  | 44491    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.01  | 136  | 178520   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.76  | 164  | 90466    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.25 | 188  | 141402   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.89 | 240  | 82639    | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.33 | 264  | 78670    | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.36  | 112 | 395234 | 132.16 | ng | 0.01 |
| 7) Phenol-d6             | 6.39  | 99  | 535351 | 133.28 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.30  | 82  | 329832 | 91.21  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.56 | 330 | 95840  | 122.44 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.09  | 172 | 560984 | 87.37  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.83 | 244 | 532613 | 105.13 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.46 | 88  | 46024  | 36.604 | ng | 95     |
| 3) Pyridine                    | 3.18 | 79  | 116283 | 37.779 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.13 | 42  | 48813  | 43.714 | ng | # 98   |
| 6) Aniline                     | 6.40 | 93  | 156257 | 33.136 | ng | # 25   |
| 8) 2-Chlorophenol              | 6.52 | 128 | 140454 | 44.508 | ng | 100    |
| 9) Benzaldehyde                | 6.28 | 77  | 83283  | 43.655 | ng | 97     |
| 10) Phenol                     | 6.40 | 94  | 193480 | 47.195 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 6.47 | 93  | 134878 | 44.480 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.67 | 146 | 145586 | 41.341 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.75 | 146 | 148658 | 41.612 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.90 | 146 | 138800 | 41.218 | ng | 98     |
| 15) Benzyl Alcohol             | 6.89 | 79  | 129091 | 44.984 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.00 | 45  | 132933 | 40.638 | ng | # 33   |
| 17) 2-Methylphenol             | 7.00 | 107 | 117872 | 45.406 | ng | 93     |
| 18) Hexachloroethane           | 7.23 | 117 | 56841  | 40.764 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70  | 105426 | 42.977 | ng | 95     |
| 20) 3+4-Methylphenols          | 7.16 | 107 | 157864 | 46.381 | ng | # 64   |
| 22) Acetophenone               | 7.15 | 105 | 206785 | 43.622 | ng | # 94   |
| 24) Nitrobenzene               | 7.32 | 77  | 161500 | 46.629 | ng | 99     |
| 25) Isophorone                 | 7.56 | 82  | 284348 | 45.455 | ng | 99     |
| 26) 2-Nitrophenol              | 7.63 | 139 | 74578  | 48.279 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.68 | 122 | 124026 | 53.724 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93  | 167640 | 43.430 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 7.89 | 162 | 109849 | 45.366 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.96 | 180 | 112575 | 43.323 | ng | 98     |
| 31) Naphthalene                | 8.03 | 128 | 406435 | 45.932 | ng | 99     |
| 32) Benzoic acid               | 7.85 | 122 | 58567  | 37.039 | ng | 88     |
| 33) 4-Chloroaniline            | 8.09 | 127 | 85580  | 22.916 | ng | 96     |
| 34) Hexachlorobutadiene        | 8.15 | 225 | 60322  | 40.107 | ng | 97     |
| 35) Caprolactam                | 8.47 | 113 | 19723  | 25.356 | ng | 90     |
| 36) 4-Chloro-3-methylphenol    | 8.59 | 107 | 129646 | 46.947 | ng | 100    |
| 37) 2-Methylnaphthalene        | 8.72 | 142 | 274771 | 46.083 | ng | 99     |
| 38) 1-Methylnaphthalene        | 8.82 | 142 | 259682 | 46.349 | ng | 95     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.89 | 216 | 104190 | 42.760 | ng | 99     |

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 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

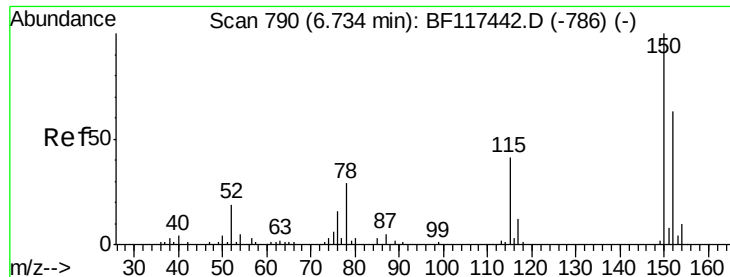
Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Oct 29 14:04:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 18:53:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.87  | 237  | 31934    | 56.868 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol      | 9.02  | 196  | 68177    | 44.681 | ng    | 96       |
| 44) 2,4,5-Trichlorophenol      | 9.06  | 196  | 72156    | 46.667 | ng    | 92       |
| 46) 1,1'-Biphenyl              | 9.19  | 154  | 322517   | 43.063 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.21  | 162  | 247641   | 43.855 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.32  | 65   | 81195    | 43.801 | ng    | 98       |
| 49) Acenaphthylene             | 9.63  | 152  | 390582   | 47.090 | ng    | 99       |
| 50) Dimethylphthalate          | 9.49  | 163  | 346910   | 53.791 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.56  | 165  | 62373    | 46.346 | ng    | 93       |
| 52) Acenaphthene               | 9.80  | 154  | 228281   | 44.860 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.73  | 138  | 43514    | 26.648 | ng    | 95       |
| 54) 2,4-Dinitrophenol          | 9.86  | 184  | 24453    | 45.952 | ng    | 97       |
| 55) Dibenzofuran               | 9.97  | 168  | 339688   | 46.074 | ng    | 99       |
| 56) 4-Nitrophenol              | 9.93  | 139  | 42815    | 58.151 | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 9.97  | 165  | 82609    | 46.169 | ng    | 91       |
| 58) Fluorene                   | 10.31 | 166  | 275363   | 45.165 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.10 | 232  | 49624    | 40.835 | ng    | 94       |
| 60) Diethylphthalate           | 10.19 | 149  | 280793   | 43.045 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.30 | 204  | 118415   | 43.290 | ng    | 97       |
| 62) 4-Nitroaniline             | 10.35 | 138  | 63021    | 40.947 | ng    | 98       |
| 63) Azobenzene                 | 10.46 | 77   | 299720   | 44.884 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 10.39 | 198  | 26299    | 36.581 | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 10.42 | 169  | 236820   | 45.812 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.79 | 248  | 65800    | 43.202 | ng    | 100      |
| 68) Hexachlorobenzene          | 10.87 | 284  | 71370    | 43.755 | ng    | # 90     |
| 69) Atrazine                   | 10.96 | 200  | 67901    | 51.627 | ng    | 98       |
| 70) Pentachlorophenol          | 11.07 | 266  | 36098    | 73.823 | ng    | 97       |
| 71) Phenanthrene               | 11.27 | 178  | 379424   | 46.211 | ng    | 99       |
| 72) Anthracene                 | 11.33 | 178  | 409327   | 48.587 | ng    | 99       |
| 73) Carbazole                  | 11.49 | 167  | 357940   | 46.491 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.80 | 149  | 448819   | 43.629 | ng    | 99       |
| 75) Fluoranthene               | 12.46 | 202  | 374764   | 45.594 | ng    | 100      |
| 77) Benzidine                  | 12.59 | 184  | 172347   | Below  | Cal   | 99       |
| 78) Pyrene                     | 12.69 | 202  | 374532   | 52.764 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.30 | 149  | 176218   | 49.888 | ng    | 99       |
| 81) Benzo(a)anthracene         | 13.89 | 228  | 258381   | 46.352 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 13.84 | 252  | 59399    | 33.958 | ng    | 96       |
| 83) Chrysene                   | 13.92 | 228  | 250276   | 45.811 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 245630   | 49.642 | ng    | # 95     |
| 85) Di-n-octyl phthalate       | 14.47 | 149  | 364319   | 47.889 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.74 | 276  | 232587   | 57.023 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.92 | 252  | 211823   | 45.597 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.94 | 252  | 184610   | 38.772 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.27 | 252  | 185631   | 43.949 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.74 | 278  | 192253   | 52.640 | ng    | 96       |
| 92) Benzo(g,h,i)perylene       | 17.17 | 276  | 195022   | 56.436 | ng    | 97       |

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



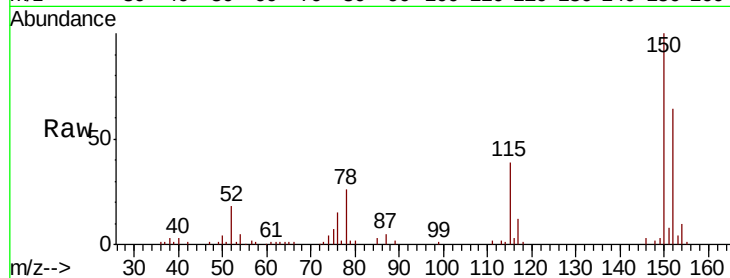


#1

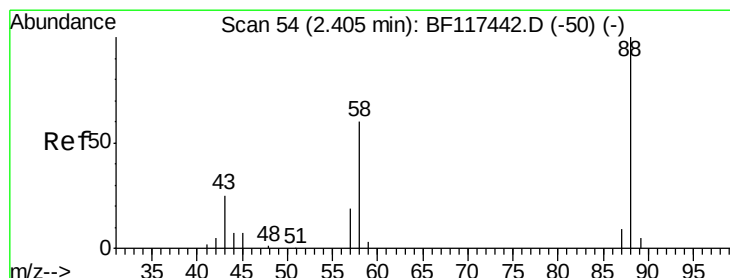
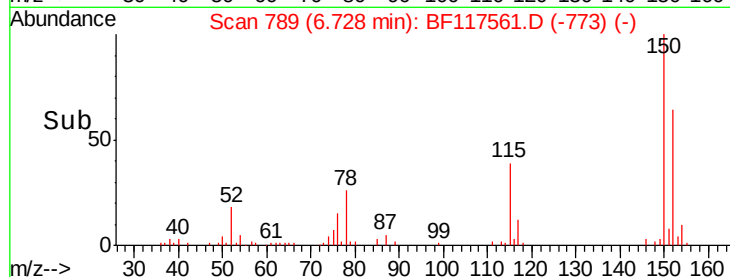
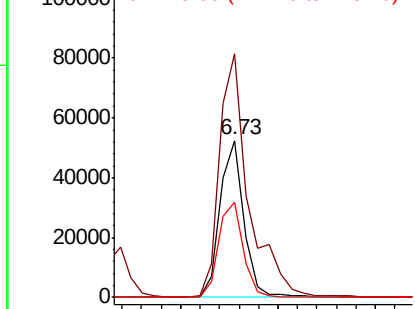
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 789  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:152 Resp: 44491  
Ion Ratio Lower Upper  
152 100  
150 155.1 126.8 190.2  
115 60.4 51.6 77.4



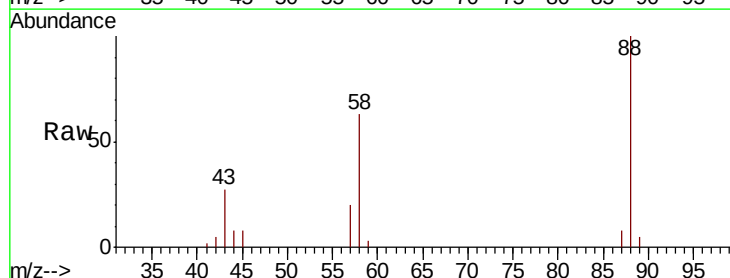
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



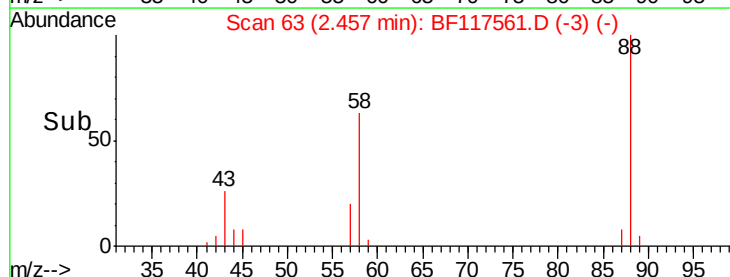
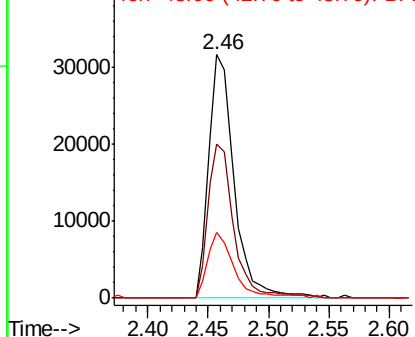
#2

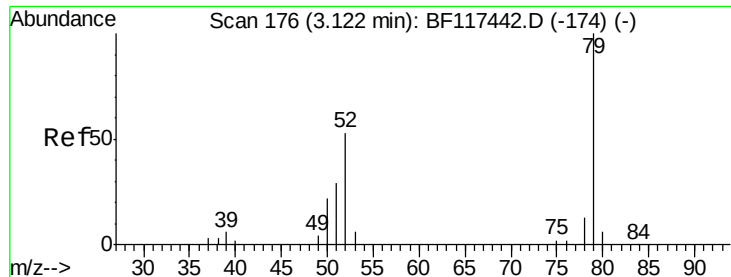
1,4-Dioxane  
Concen: 36.604 ng  
RT: 2.46 min Scan# 63  
Delta R.T. 0.05 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Tgt Ion: 88 Resp: 46024  
Ion Ratio Lower Upper  
88 100  
58 63.7 48.8 73.2  
43 27.2 18.5 27.7



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 37.779 ng

RT: 3.18 min Scan# 186

Delta R.T. 0.06 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampleId :

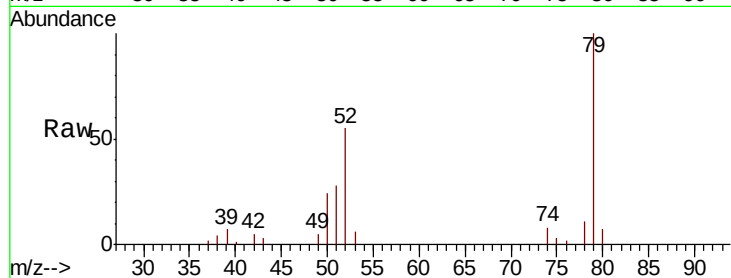
Tot Ion: 79 Resp: 116283

Ion Ratio Lower Upper

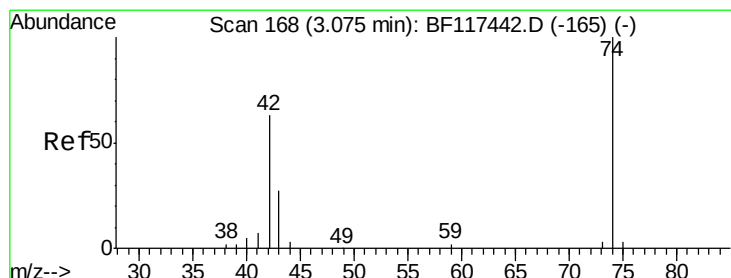
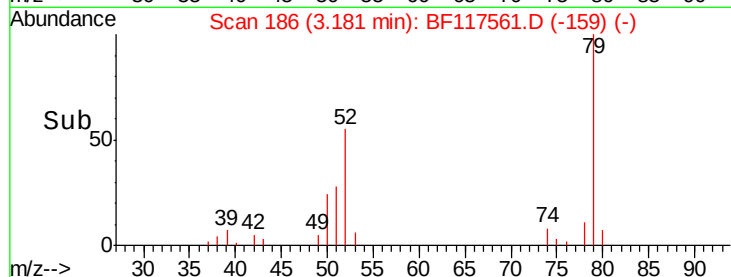
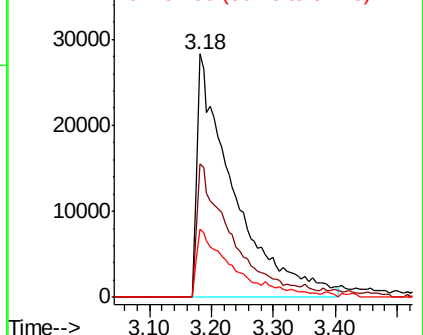
79 100

52 54.6 42.4 63.6

51 27.9 23.3 34.9



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 52.00 (51.70 to 52.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 43.714 ng

RT: 3.13 min Scan# 178

Delta R.T. 0.06 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

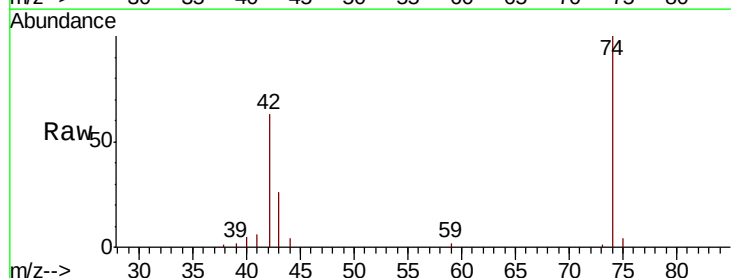
Tgt Ion: 42 Resp: 48813

Ion Ratio Lower Upper

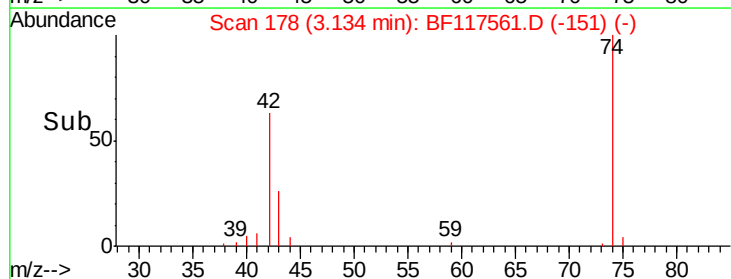
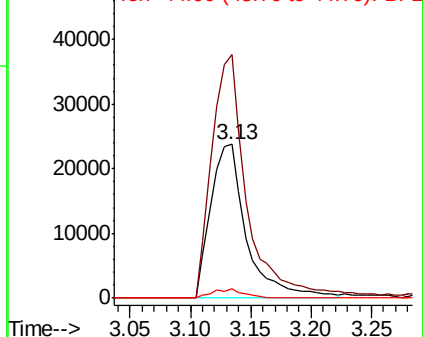
42 100

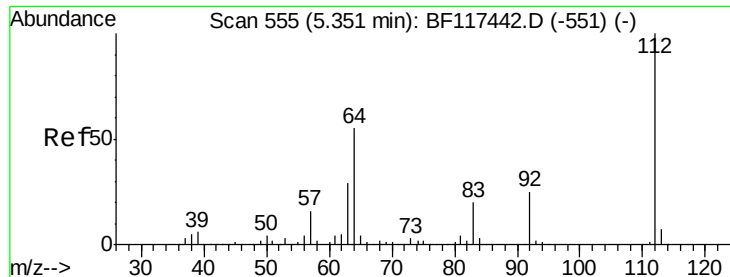
74 158.5 124.2 186.4

44 6.5 4.2 6.4#



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 132.160 ng

RT: 5.36 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampled :

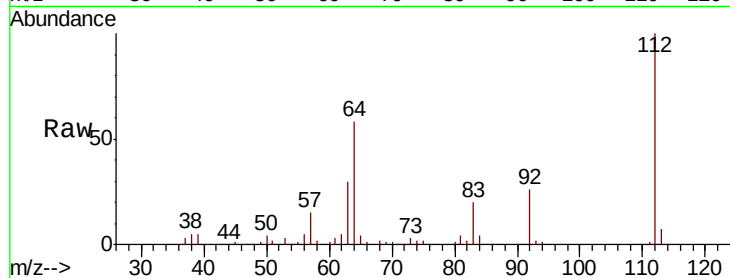
Tot Ion:112 Resp: 395234

Ion Ratio Lower Upper

112 100

64 58.0 44.1 66.1

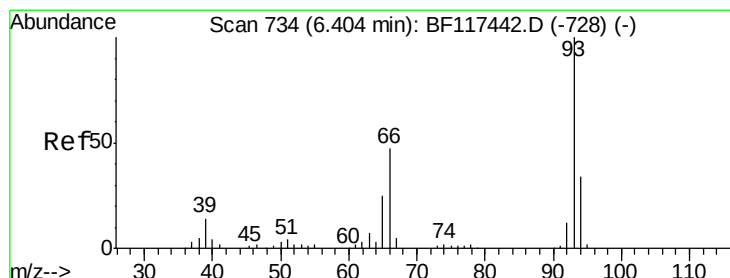
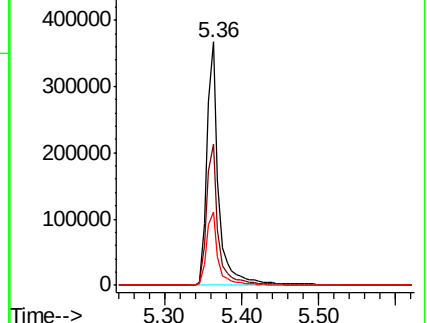
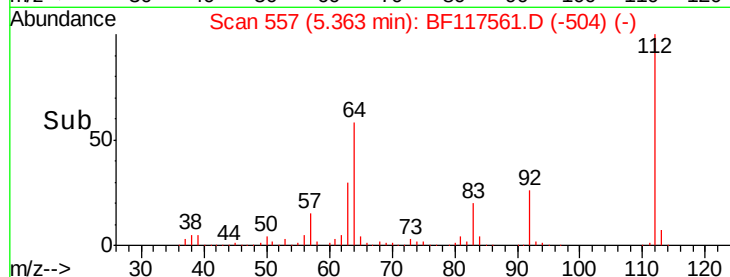
63 30.0 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 33.136 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

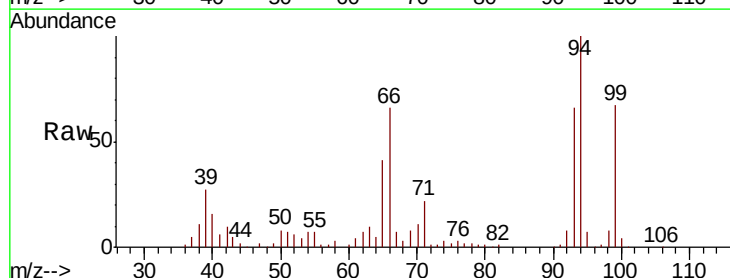
Tgt Ion: 93 Resp: 156257

Ion Ratio Lower Upper

93 100

66 100.2 38.7 58.1#

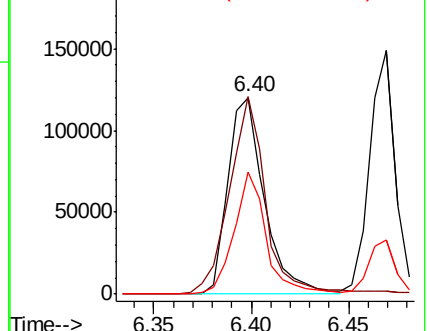
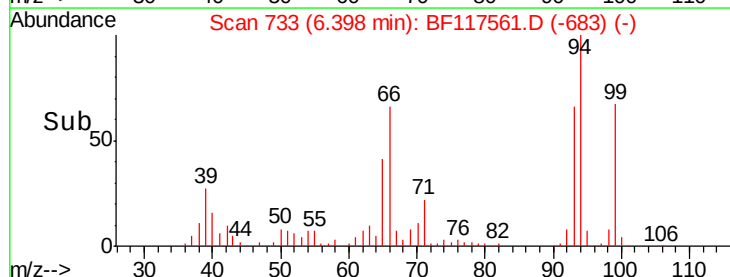
65 61.8 20.1 30.1#

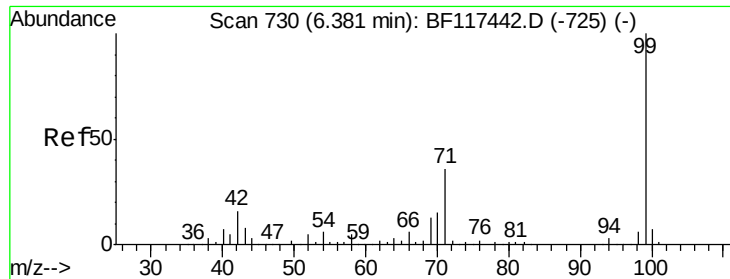


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 133.282 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampleId :

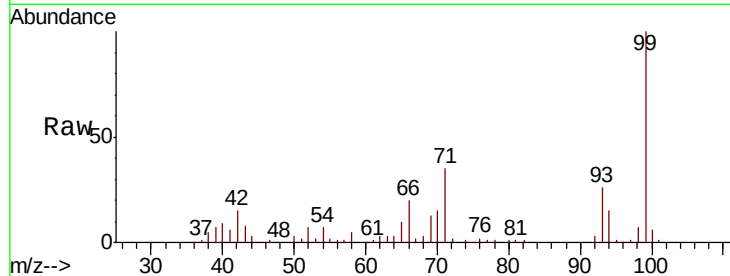
Tot Ion: 99 Resp: 535351

Ion Ratio Lower Upper

99 100

42 15.1 12.8 19.2

71 34.9 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1

500000

400000

300000

200000

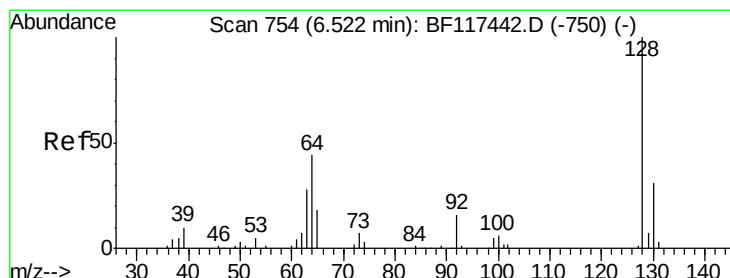
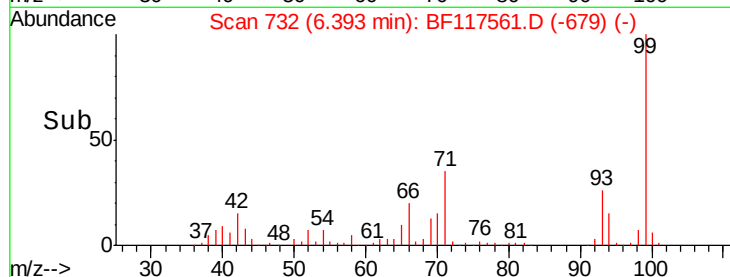
100000

0

6.39

6.35 6.40 6.45 6.50

Time-->



#8

2-Chlorophenol

Concen: 44.508 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

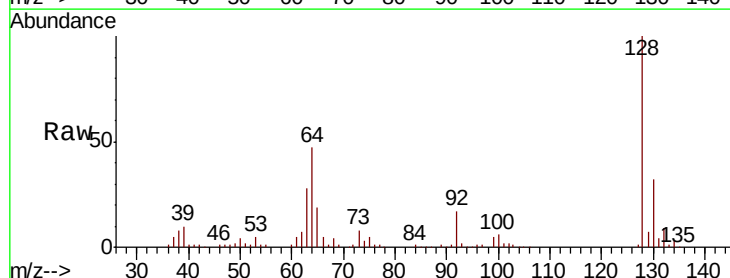
Tgt Ion: 128 Resp: 140454

Ion Ratio Lower Upper

128 100

130 31.7 11.1 51.1

64 47.2 27.1 67.1



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): BF1

200000

150000

100000

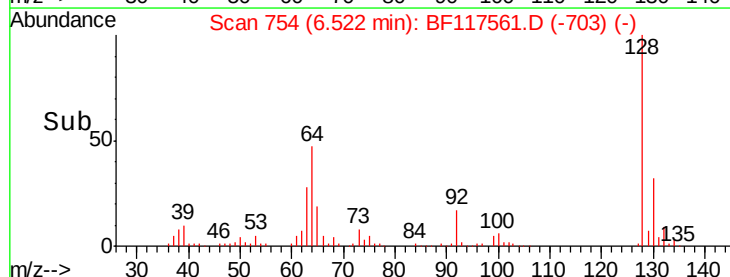
50000

0

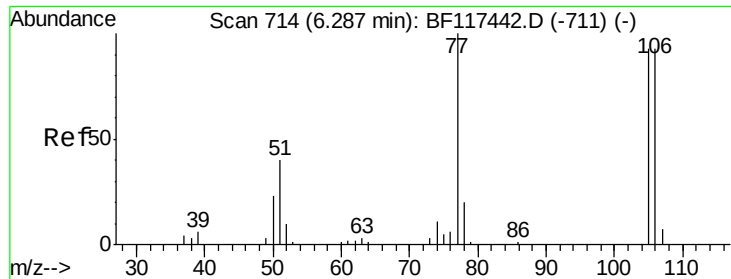
6.52

6.45 6.50 6.55 6.60

Time-->







#9

Benzaldehyde

Concen: 43.655 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampleId :

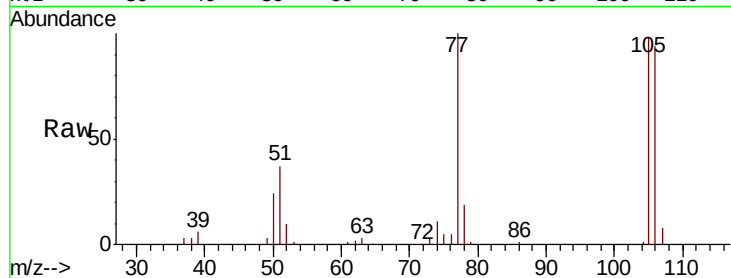
Tot Ion: 77 Resp: 83283

Ion Ratio Lower Upper

77 100

105 97.7 73.4 113.4

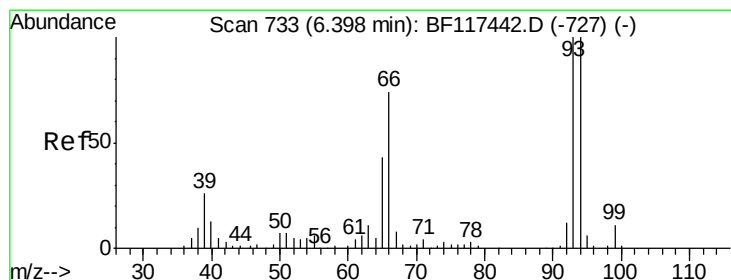
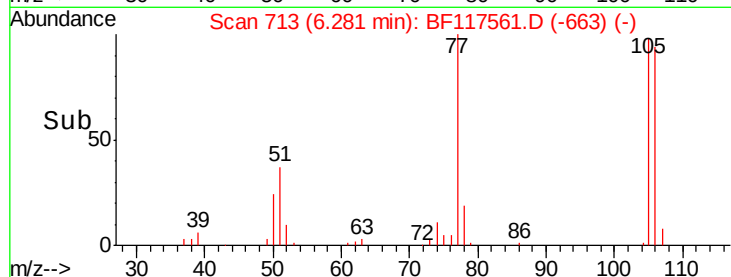
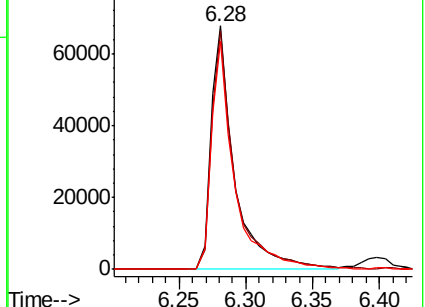
106 93.7 73.0 113.0



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 47.195 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

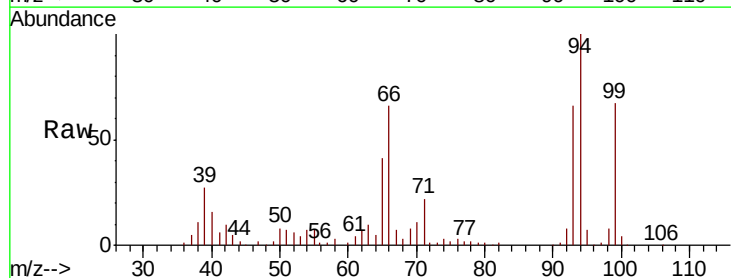
Tgt Ion: 94 Resp: 193480

Ion Ratio Lower Upper

94 100

65 40.5 23.4 63.4

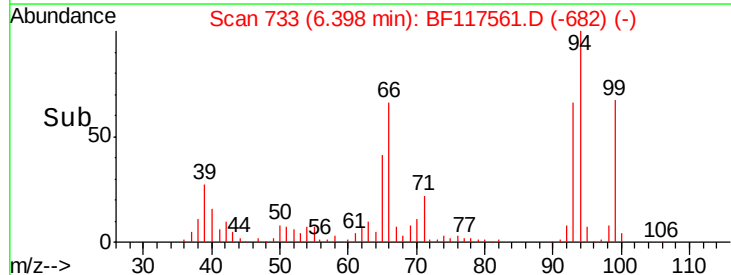
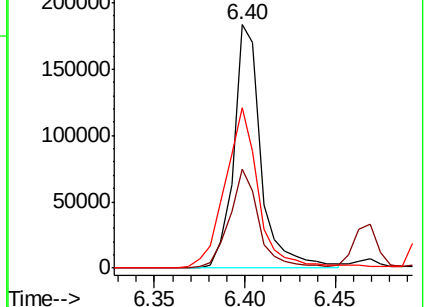
66 65.7 54.7 94.7



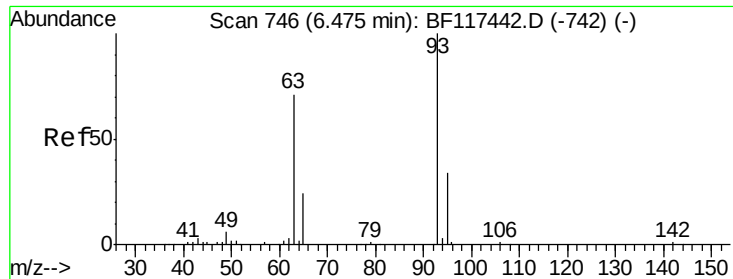
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1







#11

bis(2-Chloroethyl)ether

Concen: 44.480 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampleId :

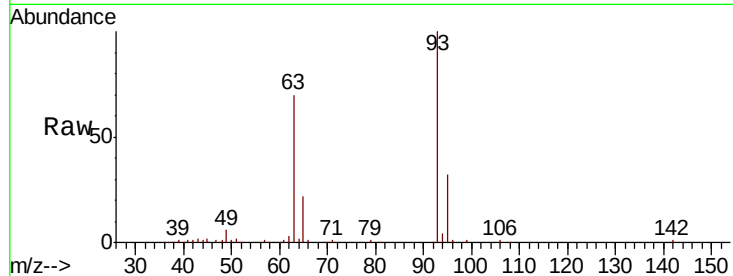
Tot Ion: 93 Resp: 134878

Ion Ratio Lower Upper

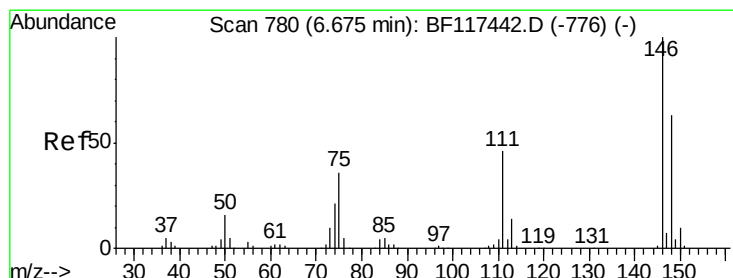
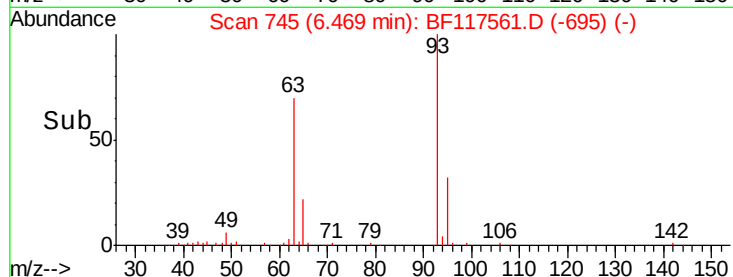
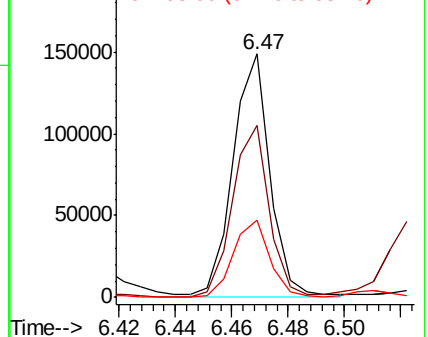
93 100

63 70.4 50.2 90.2

95 31.8 13.9 53.9



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 41.341 ng

RT: 6.67 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

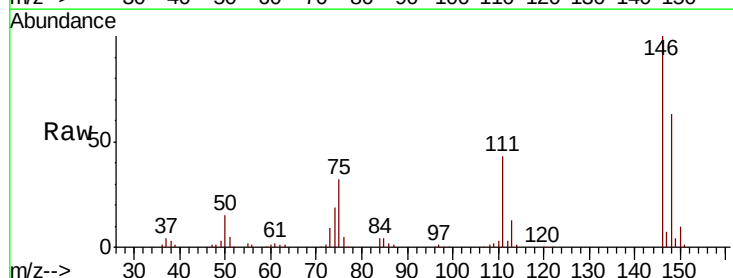
Tgt Ion: 146 Resp: 145586

Ion Ratio Lower Upper

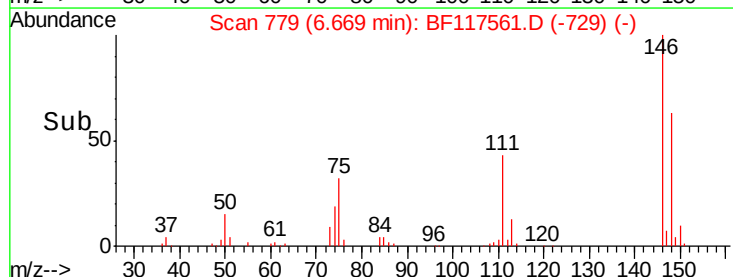
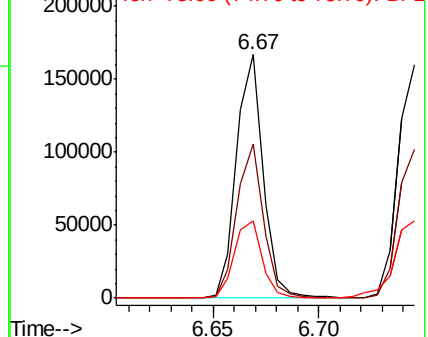
146 100

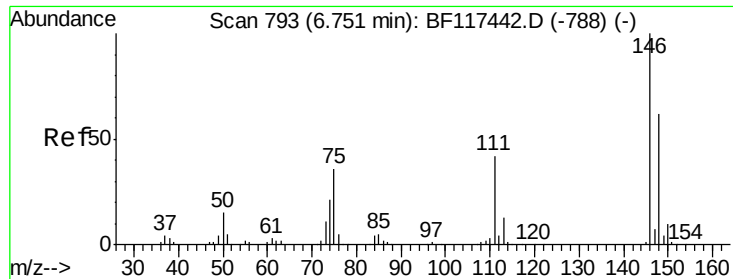
148 63.4 50.6 75.8

75 31.5 28.6 43.0



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 75.00 (74.70 to 75.70): BF1

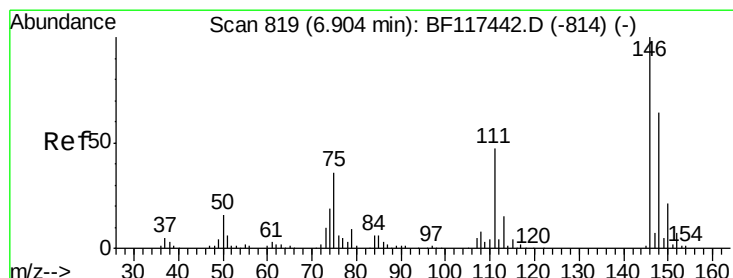
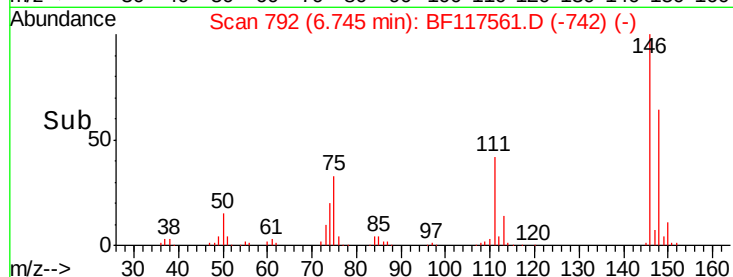
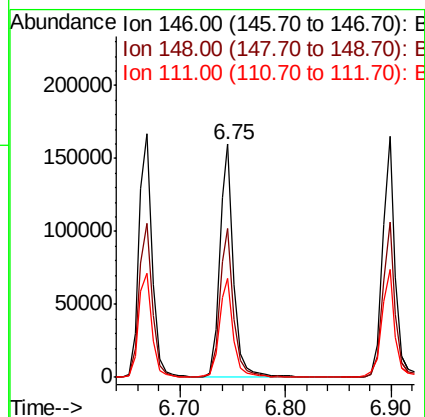
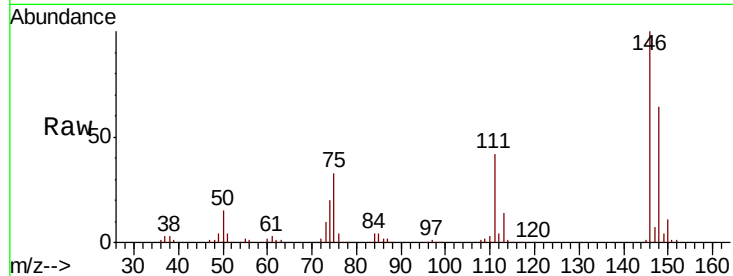




#13  
 1,4-Dichlorobenzene  
 Concen: 41.612 ng  
 RT: 6.75 min Scan# 792  
 Delta R.T. -0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

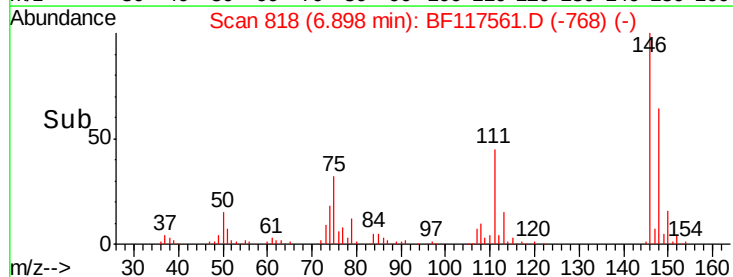
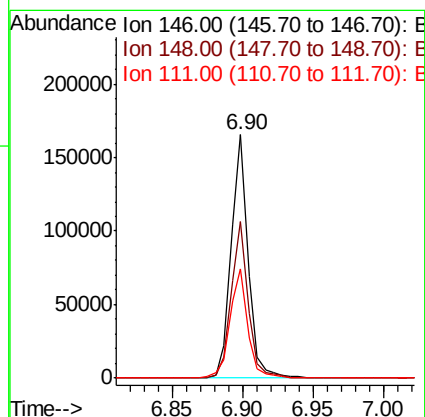
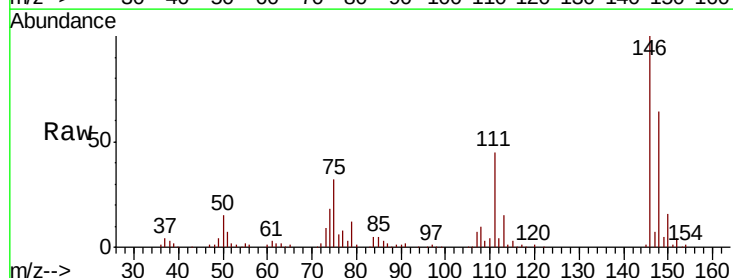
Instrument :  
 BNA\_E  
 ClientSampleId :

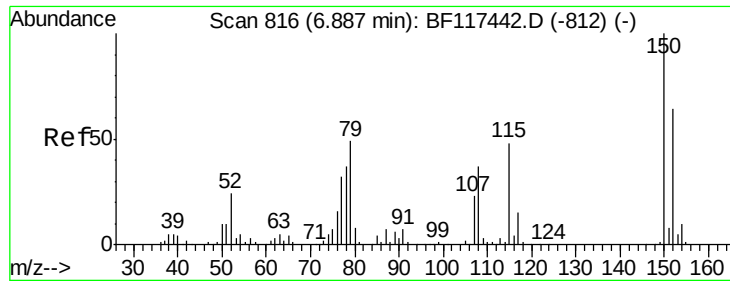
Tot Ion:146 Resp: 148658  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 49.3 73.9  
 111 42.3 33.6 50.4



#14  
 1,2-Dichlorobenzene  
 Concen: 41.218 ng  
 RT: 6.90 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Tgt Ion:146 Resp: 138800  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 51.4 77.0  
 111 44.6 37.7 56.5

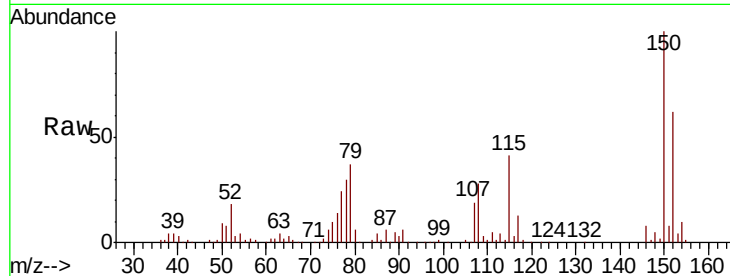




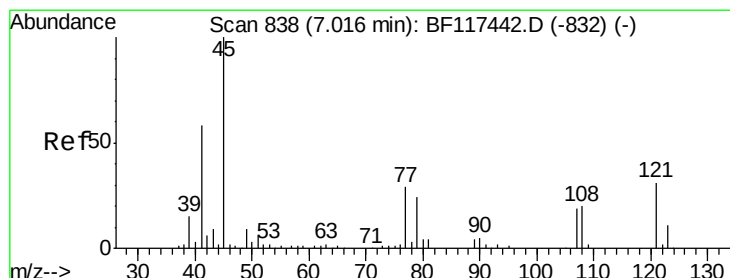
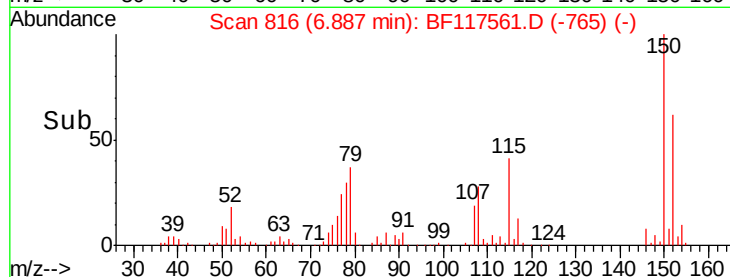
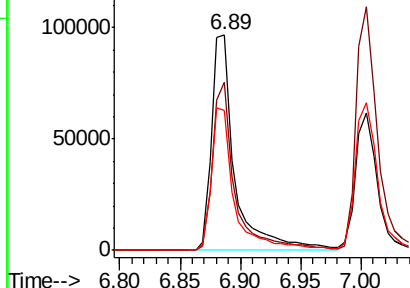
#15  
Benzyl Alcohol  
Concen: 44.984 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.00 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion: 79 Resp: 129091  
Ion Ratio Lower Upper  
79 100  
108 77.9 59.8 89.8  
77 64.5 51.4 77.0

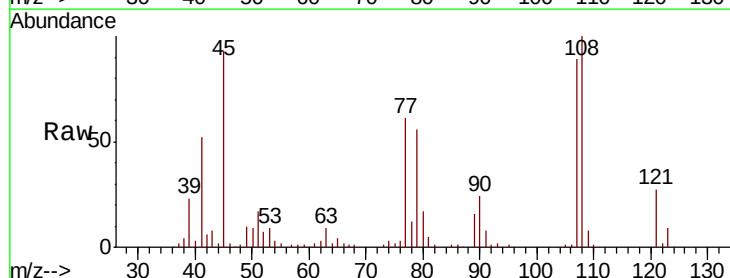


Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1

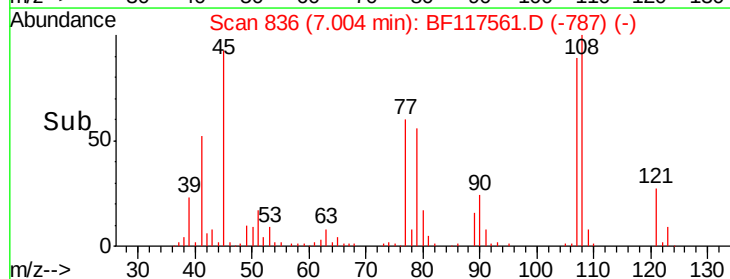
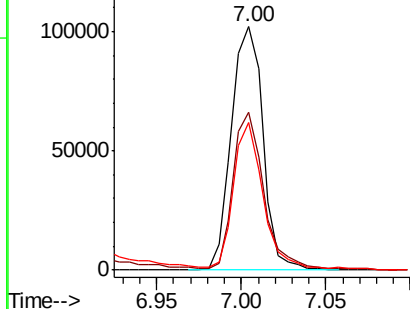


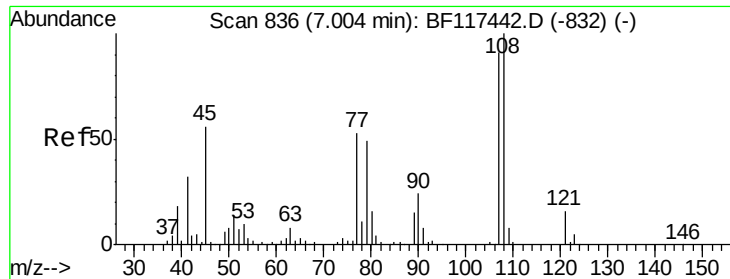
#16  
2,2'-oxybis(1-chloropropane)  
Concen: 40.638 ng  
RT: 7.00 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Tgt Ion: 45 Resp: 132933  
Ion Ratio Lower Upper  
45 100  
77 65.0 9.9 49.9#  
79 60.5 5.5 45.5#



Abundance Ion 45.00 (44.70 to 45.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

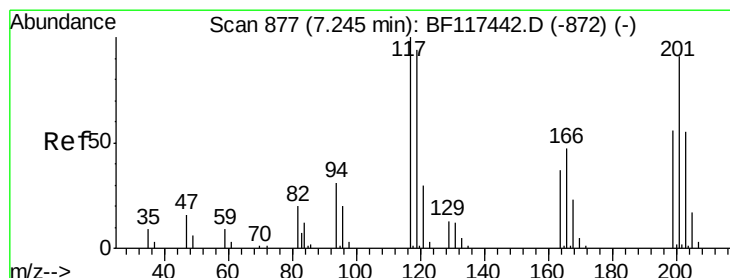
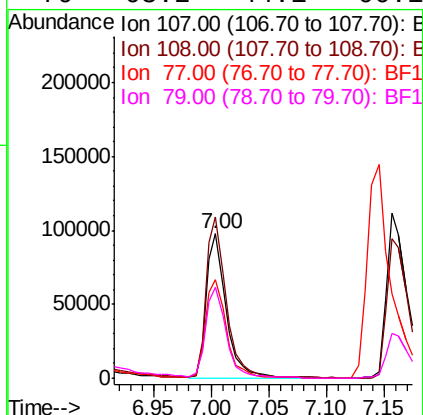
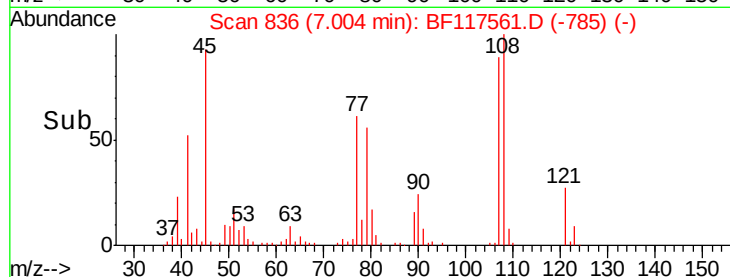
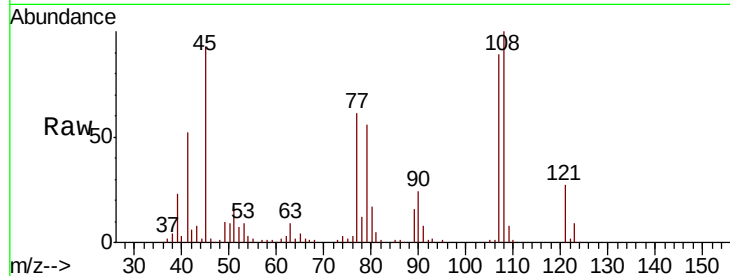




#17  
2-Methylphenol  
Concen: 45.406 ng  
RT: 7.00 min Scan# 836  
Delta R.T. 0.00 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

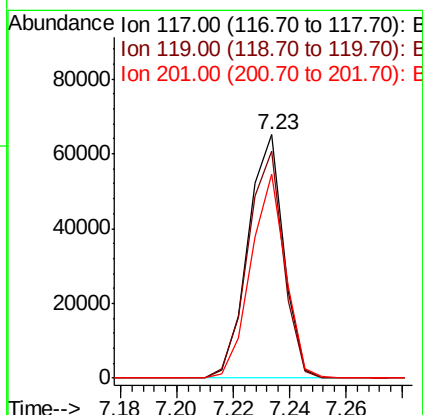
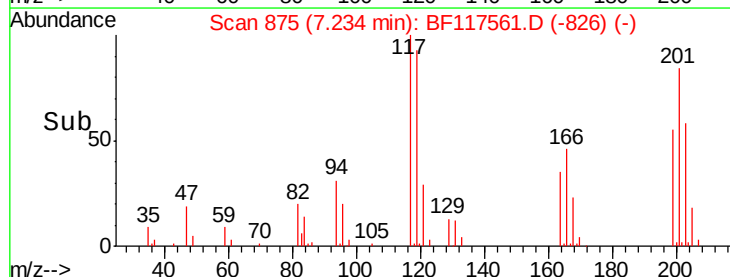
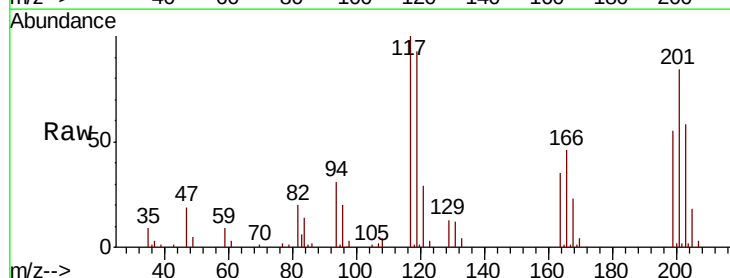
Instrument :  
BNA\_E  
ClientSampled :

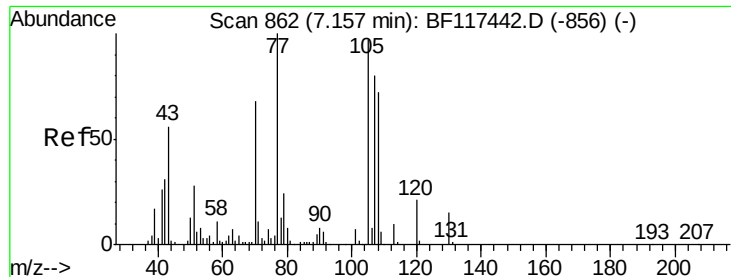
Tot Ion:107 Resp: 117872  
Ion Ratio Lower Upper  
107 100  
108 112.0 88.0 132.0  
77 67.9 47.2 70.8  
79 63.2 44.1 66.1



#18  
Hexachloroethane  
Concen: 40.764 ng  
RT: 7.23 min Scan# 875  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Tgt Ion:117 Resp: 56841  
Ion Ratio Lower Upper  
117 100  
119 93.2 75.4 113.0  
201 84.0 72.5 108.7

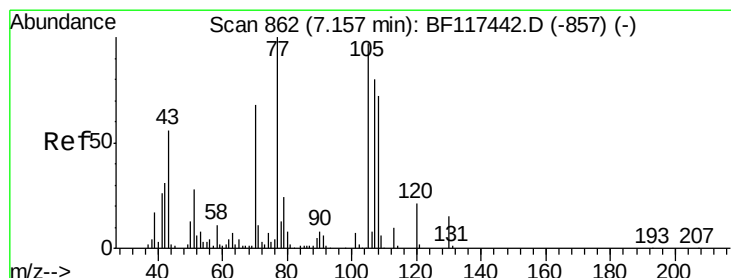
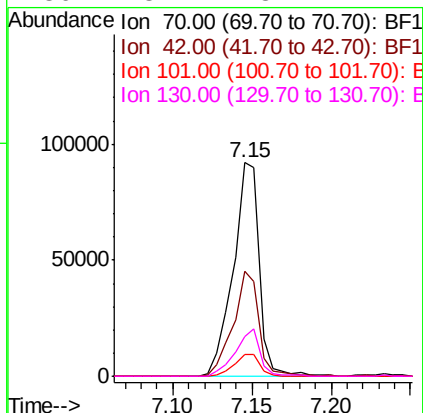
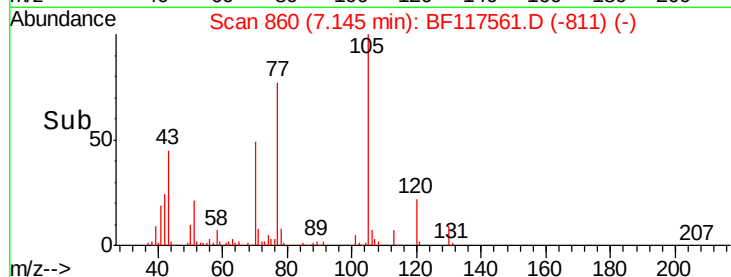
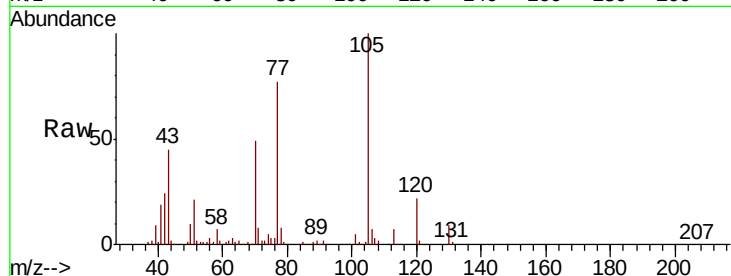




#19  
n-Nitroso-di-n-propylamine  
Concen: 42.977 ng  
RT: 7.15 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

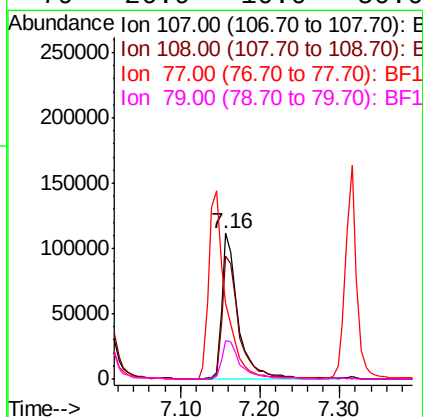
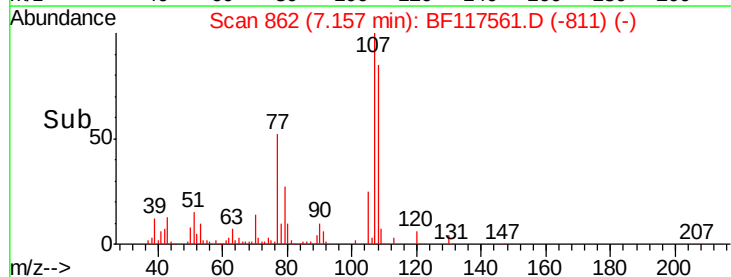
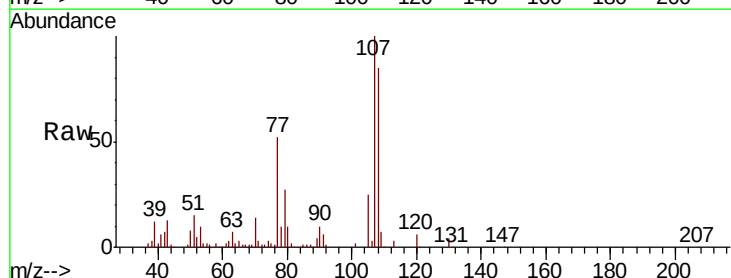
Instrument :  
BNA\_E  
ClientSampleId :

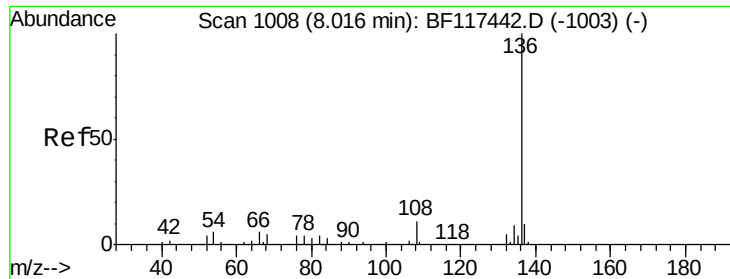
Tot Ion: 70 Resp: 105426  
Ion Ratio Lower Upper  
70 100  
42 48.9 36.7 55.1  
101 10.1 8.3 12.5  
130 18.7 18.1 27.1



#20  
3+4-Methylphenols  
Concen: 46.381 ng  
RT: 7.16 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Tgt Ion: 107 Resp: 157864  
Ion Ratio Lower Upper  
107 100  
108 84.8 70.3 110.3  
77 51.6 104.8 144.8#  
79 26.9 10.0 50.0

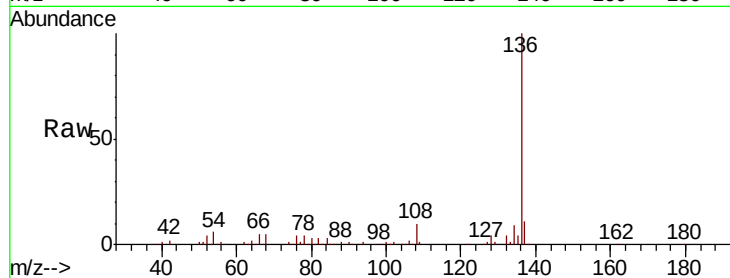




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.01 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Instrument :  
BNA\_E  
ClientSampled :

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 178520 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.8    | 8.2   | 12.4   |  |
| 54 5.7      | 4.5   | 6.7    |  |
| 68 4.9      | 4.3   | 6.5    |  |



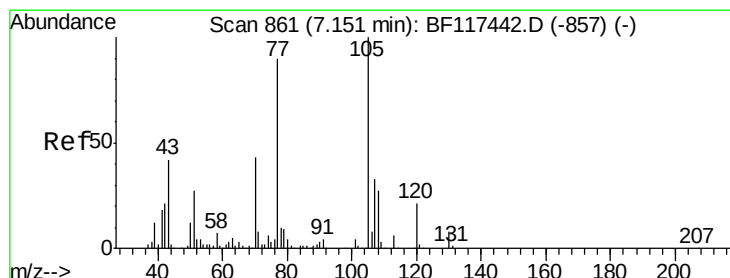
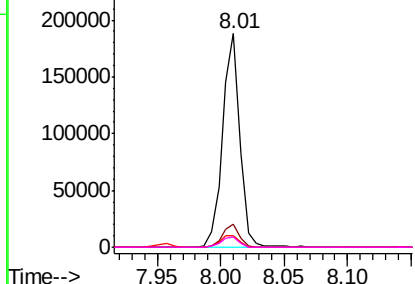
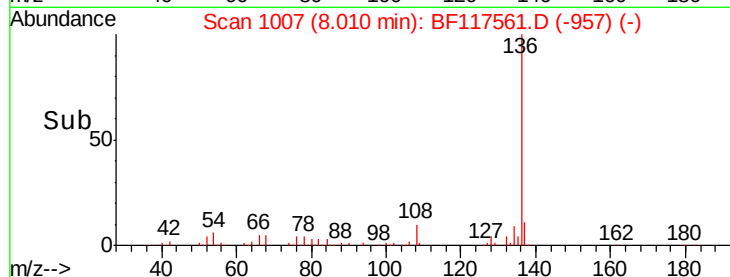
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

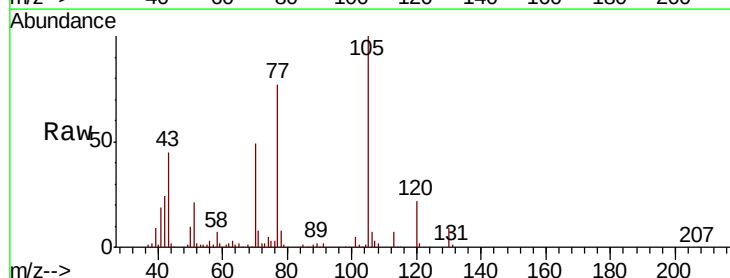
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22  
Acetophenone  
Concen: 43.622 ng  
RT: 7.15 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 206785 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 7.8     | 6.2   | 9.2    |
| 51  | 21.2    | 21.8  | 32.6#  |
| 120 | 21.9    | 16.7  | 25.1   |



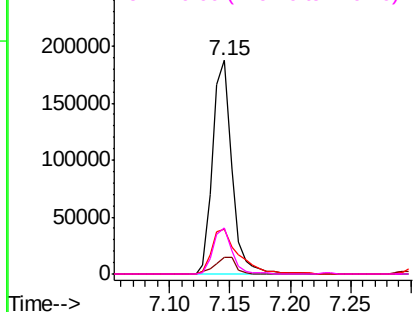
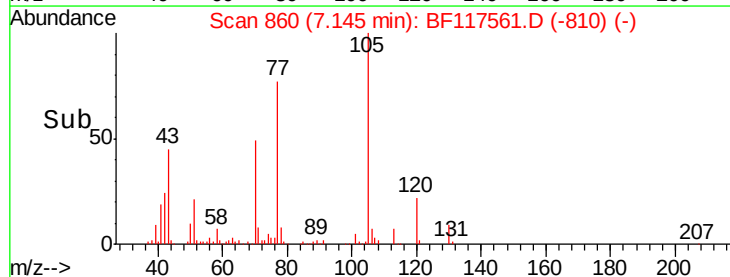
Abundance

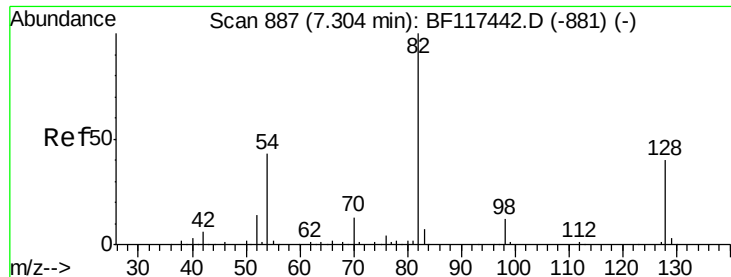
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

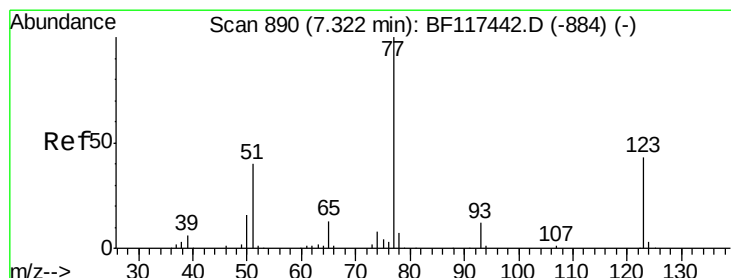
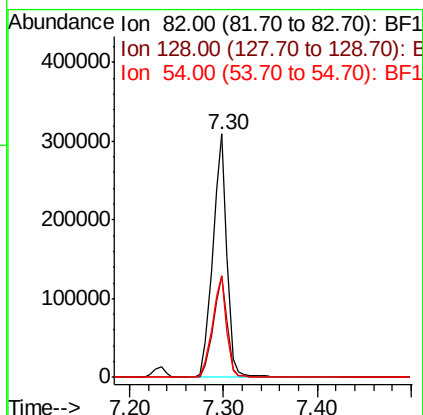
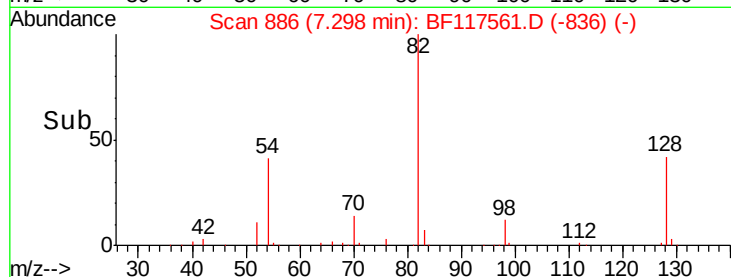
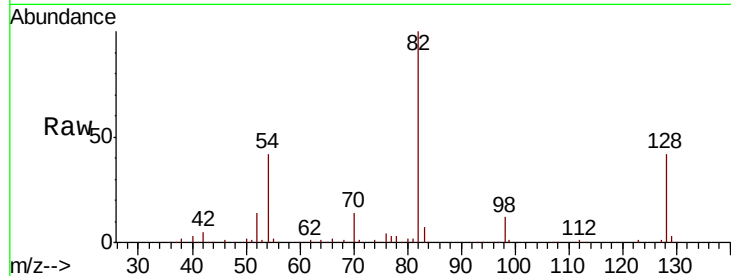




#23  
Nitrobenzene-d5  
Concen: 91.212 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

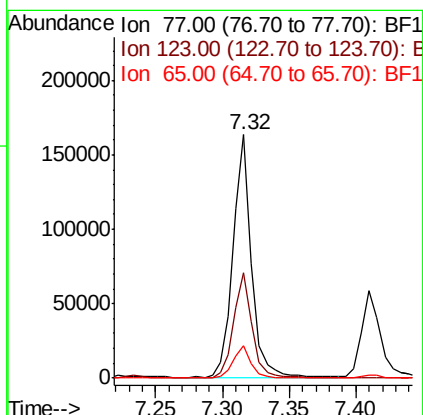
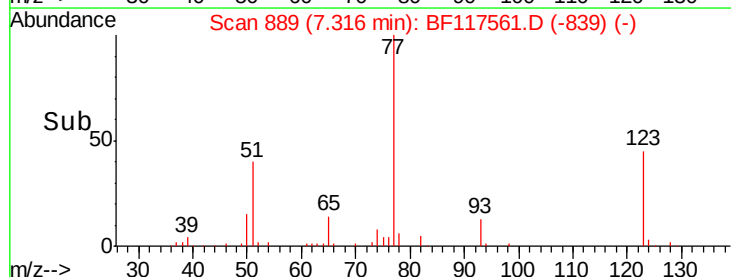
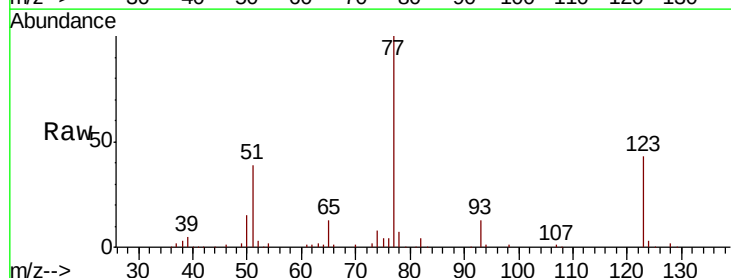
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion: 82 Resp: 329832  
Ion Ratio Lower Upper  
82 100  
128 41.7 32.2 48.2  
54 41.7 34.2 51.2

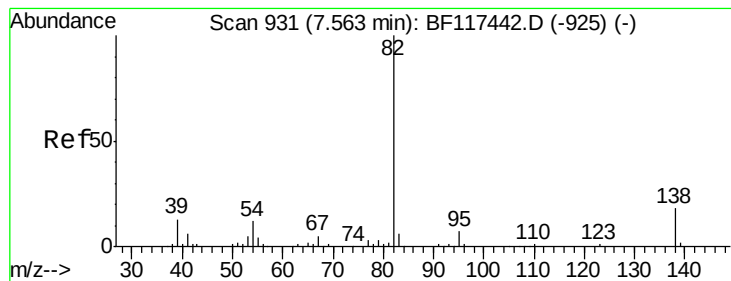


#24  
Nitrobenzene  
Concen: 46.629 ng  
RT: 7.32 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Tgt Ion: 77 Resp: 161500  
Ion Ratio Lower Upper  
77 100  
123 43.4 34.2 51.2  
65 13.2 10.3 15.5







#25

Isophorone

Concen: 45.455 ng

RT: 7.56 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampled :

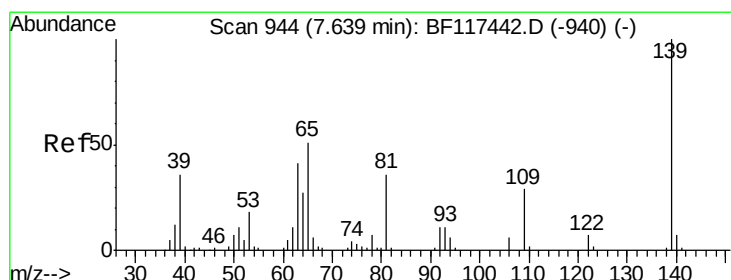
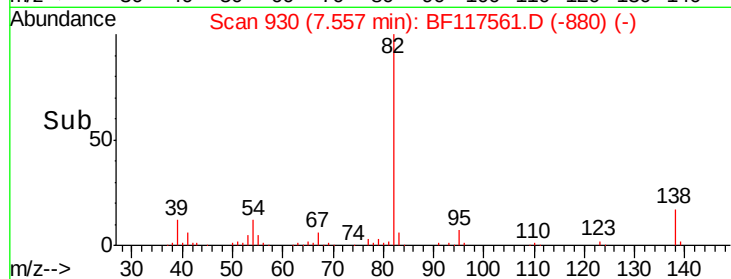
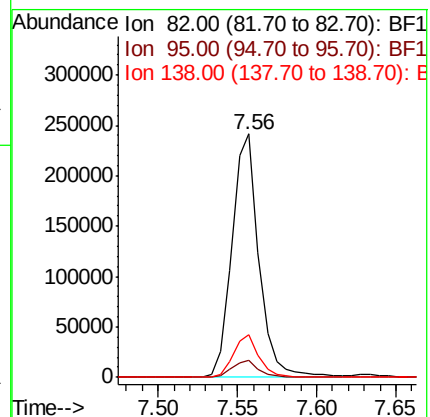
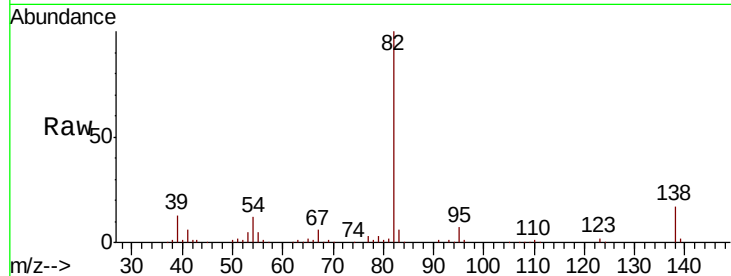
Tot Ion: 82 Resp: 284348

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.0

138 17.4 14.2 21.2



#26

2-Nitrophenol

Concen: 48.279 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

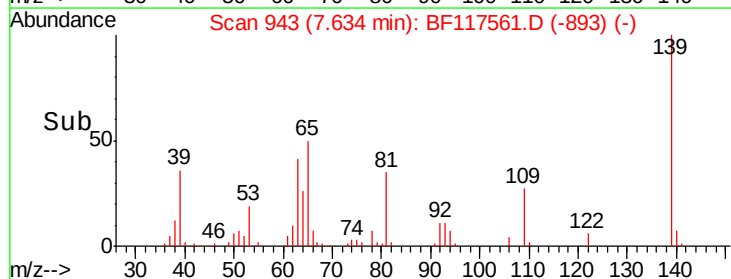
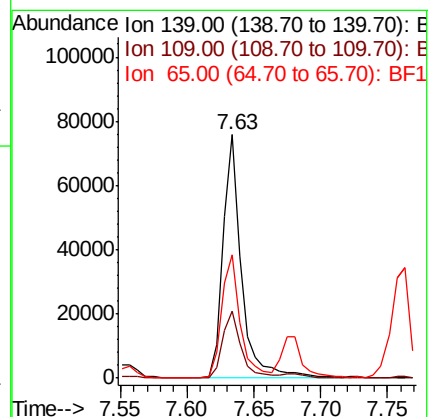
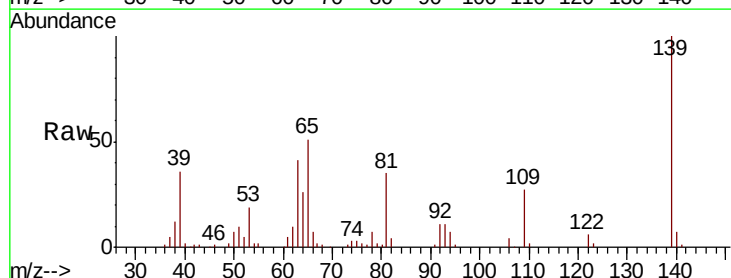
Tgt Ion: 139 Resp: 74578

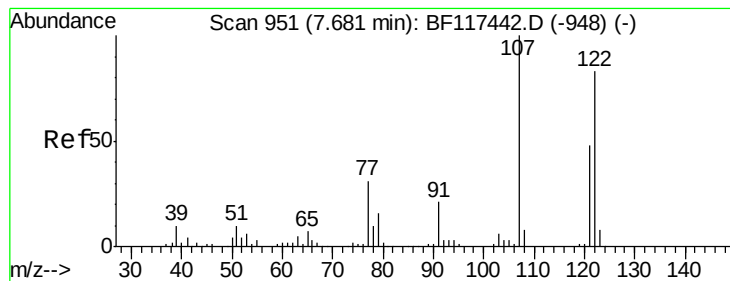
Ion Ratio Lower Upper

139 100

109 27.4 23.2 34.8

65 50.9 41.1 61.7





#27

2,4-Dimethylphenol

Concen: 53.724 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampleId :

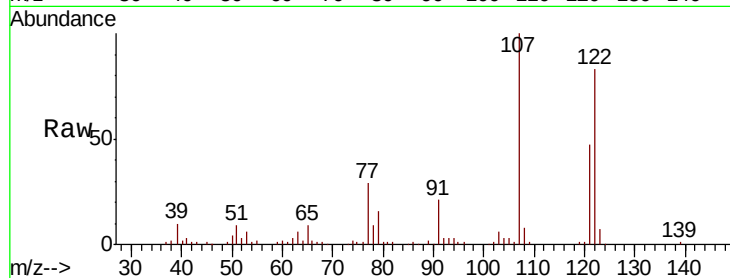
Tot Ion:122 Resp: 124026

Ion Ratio Lower Upper

122 100

107 120.7 96.8 145.2

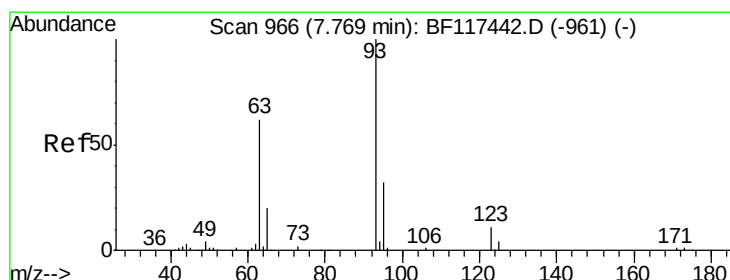
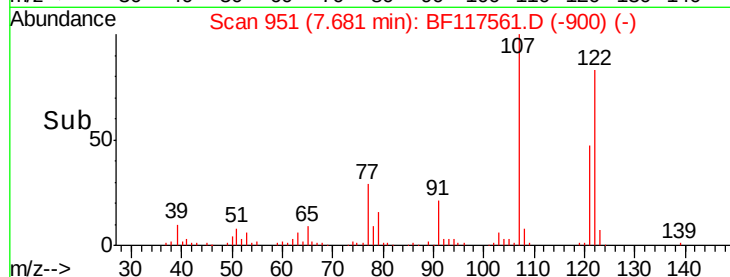
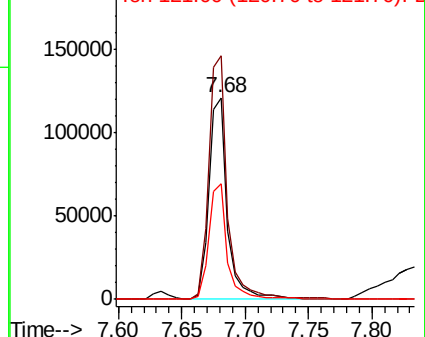
121 57.2 46.4 69.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.430 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

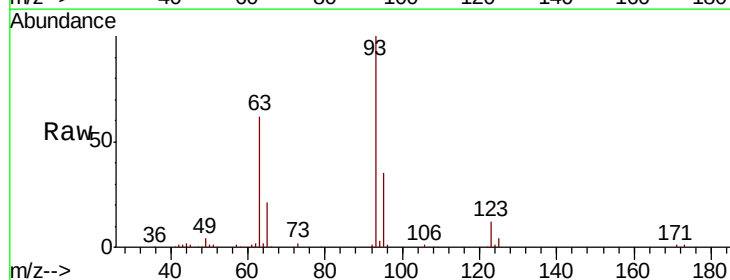
Tgt Ion: 93 Resp: 167640

Ion Ratio Lower Upper

93 100

95 34.7 25.5 38.3

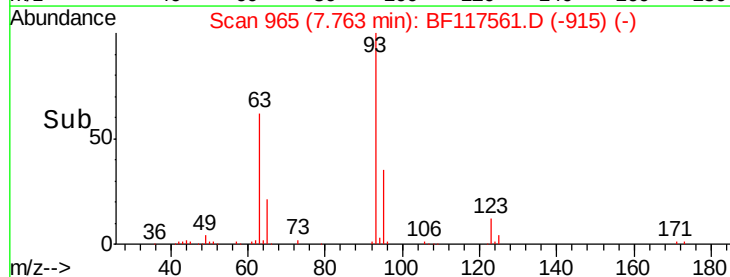
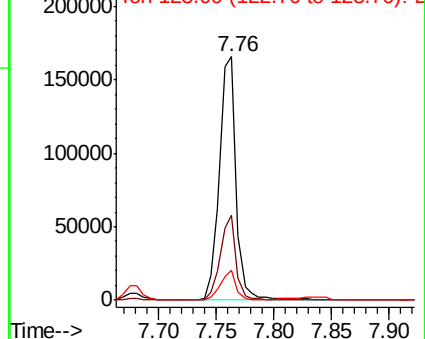
123 12.5 9.0 13.6

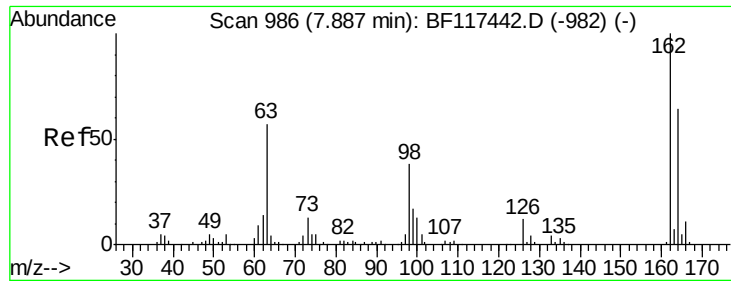


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

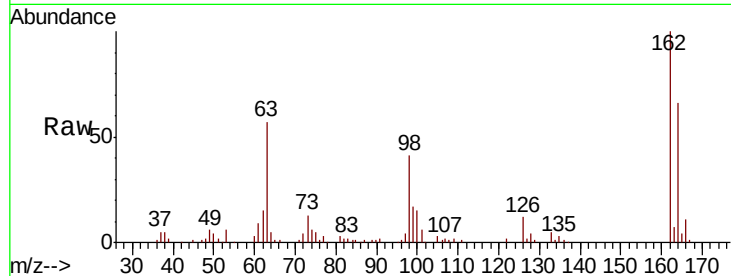




#29  
 2,4-Dichlorophenol  
 Concen: 45.366 ng  
 RT: 7.89 min Scan# 986  
 Delta R.T. 0.00 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Instrument :  
 BNA\_E  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.2  | 44.4  | 84.4  |
| 98      | 40.6  | 18.2  | 58.2  |

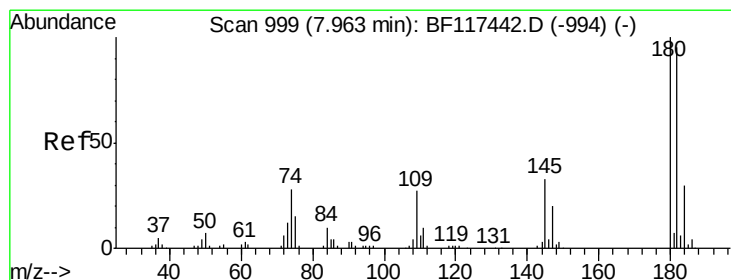
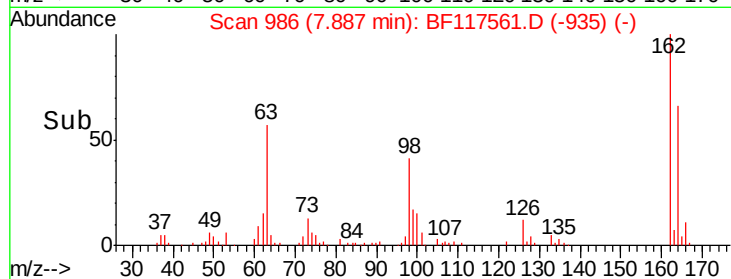
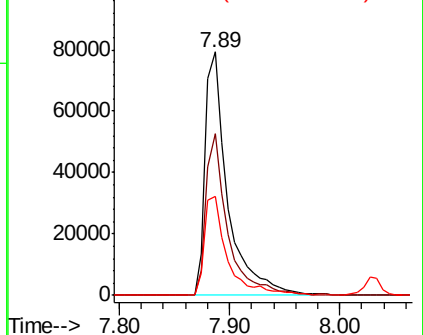


Abundance

Ion 162.00 (161.70 to 162.70): E

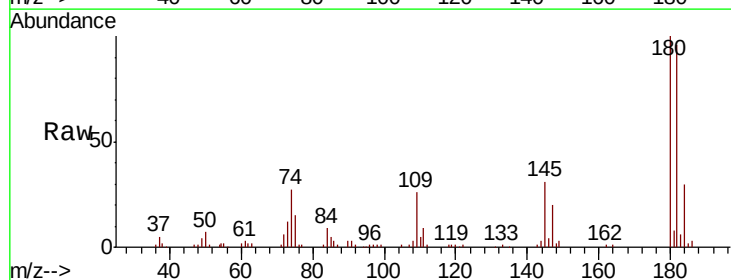
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.323 ng  
 RT: 7.96 min Scan# 998  
 Delta R.T. -0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 75.8  | 113.8 |
| 145     | 30.6  | 26.5  | 39.7  |

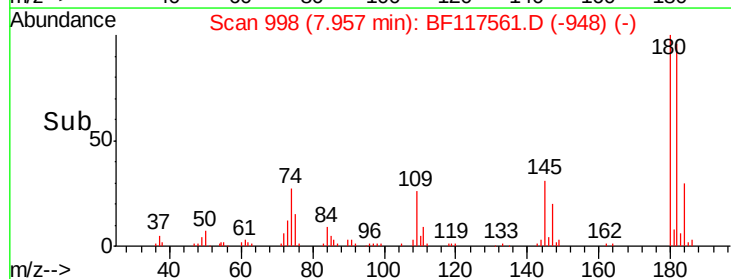
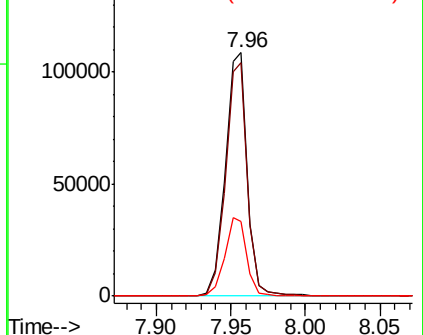


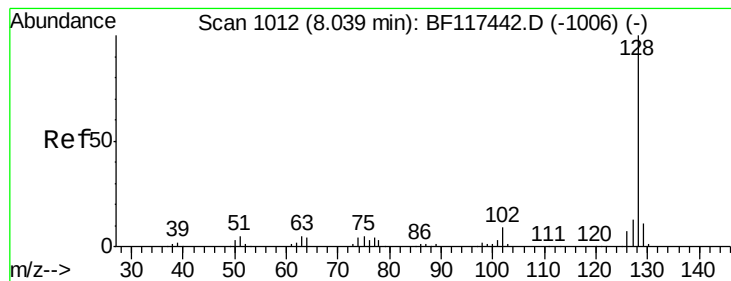
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.932 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampled :

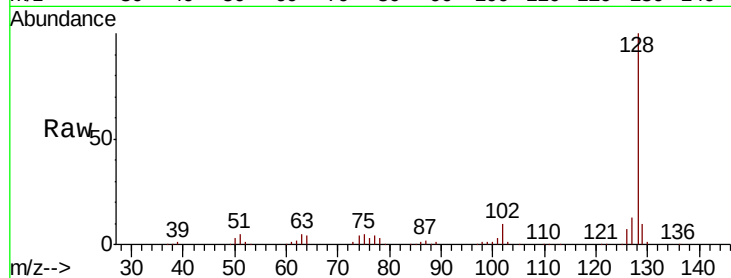
Tot Ion:128 Resp: 406435

Ion Ratio Lower Upper

128 100

129 10.3 9.0 13.4

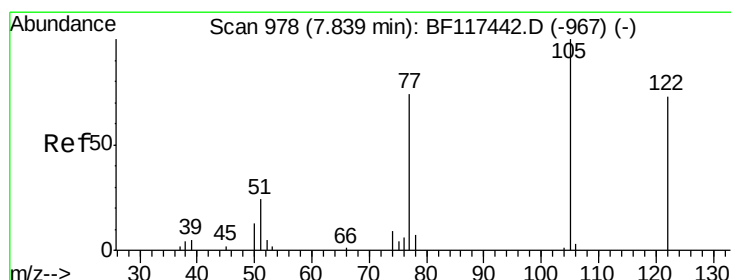
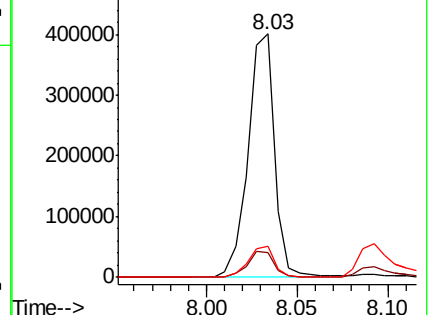
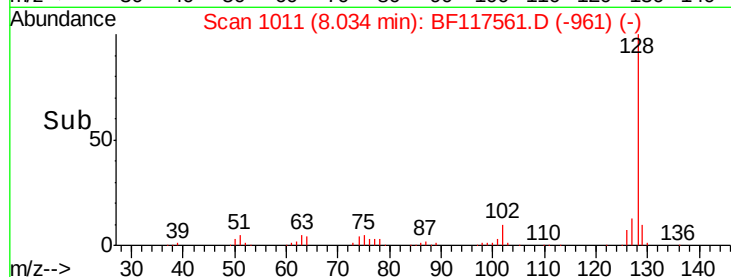
127 12.7 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 37.039 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

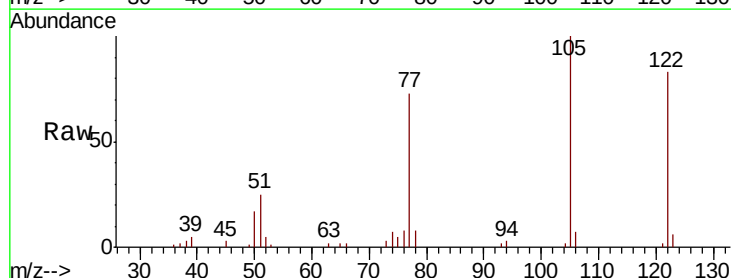
Tgt Ion:122 Resp: 58567

Ion Ratio Lower Upper

122 100

105 120.3 115.0 155.0

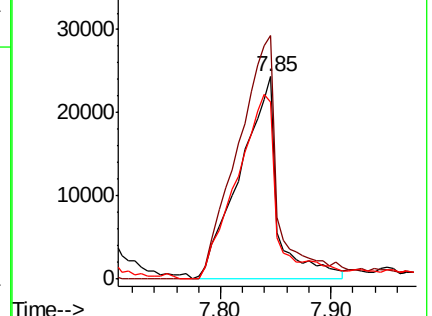
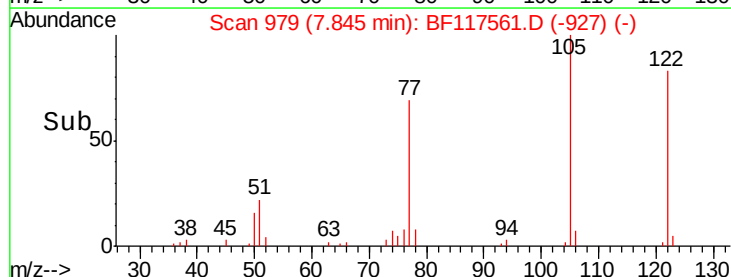
77 87.2 79.7 119.7

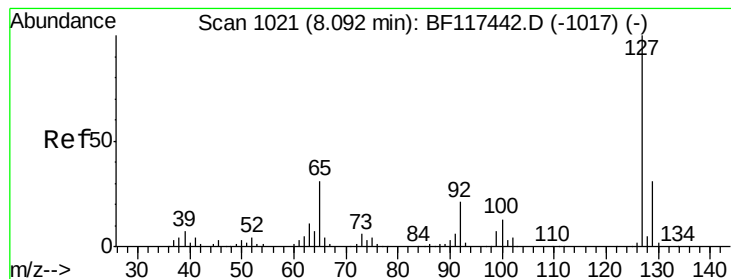


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 22.916 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampled :

Tot Ion:127 Resp: 85580

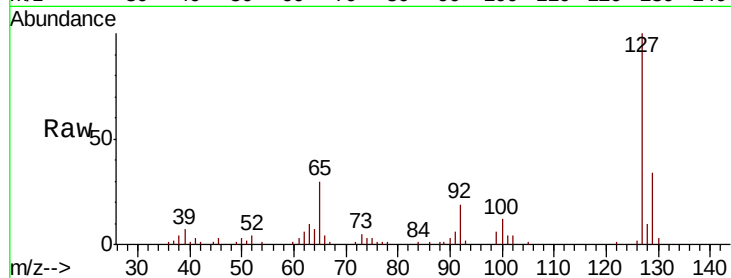
Ion Ratio Lower Upper

127 100

129 33.6 24.8 37.2

65 29.6 24.6 37.0

92 18.7 16.5 24.7

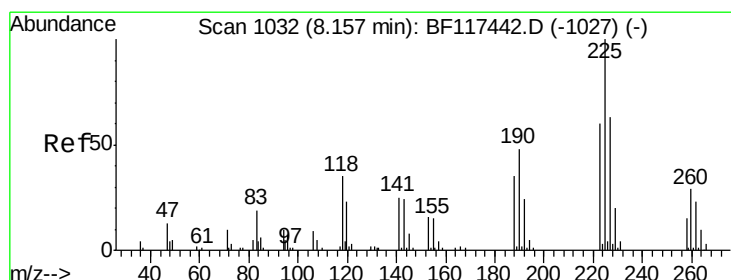
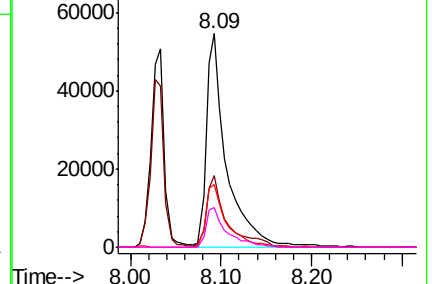
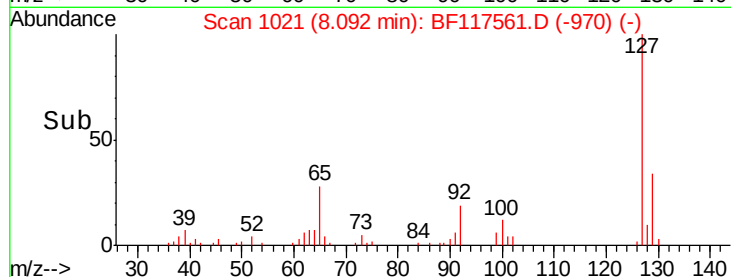


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 40.107 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

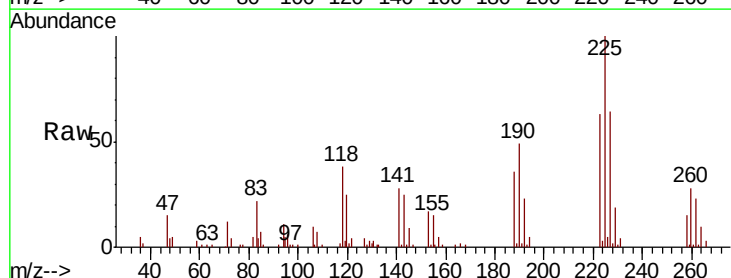
Tgt Ion:225 Resp: 60322

Ion Ratio Lower Upper

225 100

223 63.2 48.2 72.4

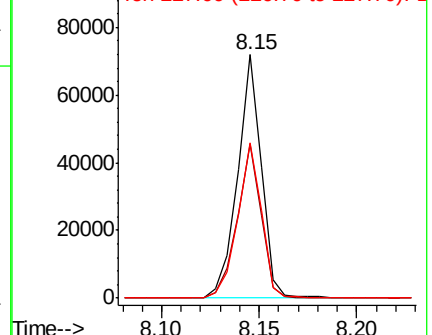
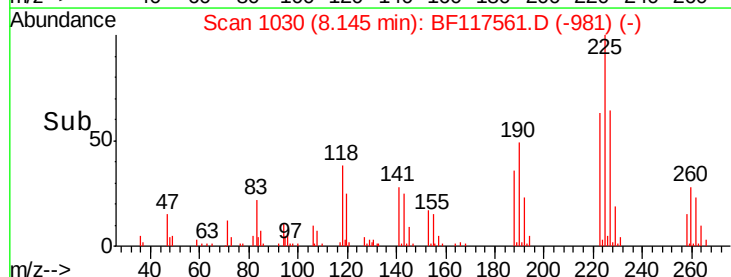
227 64.0 50.2 75.4

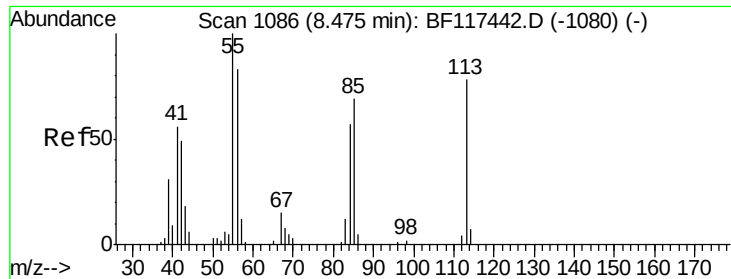


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

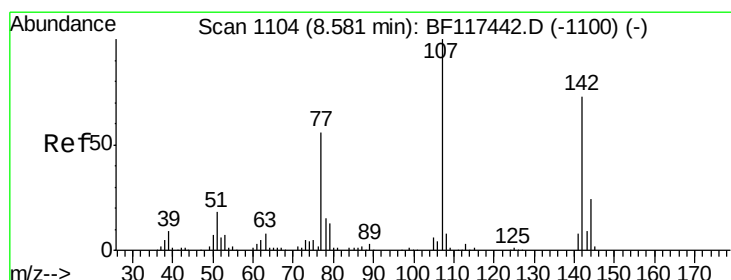
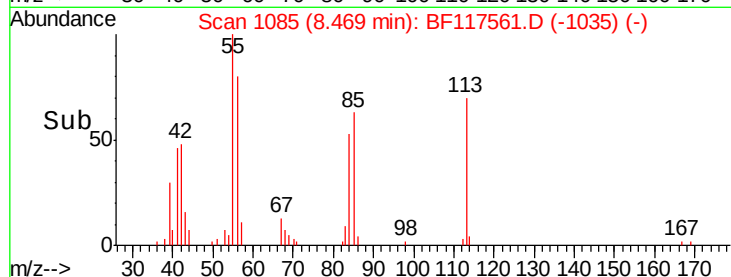
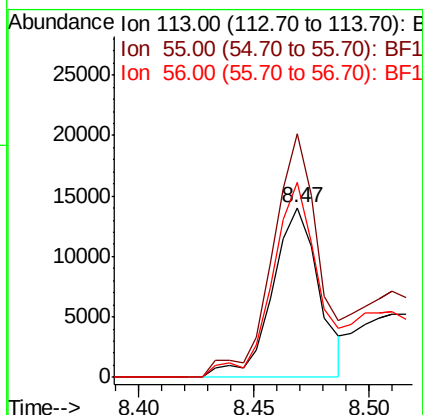
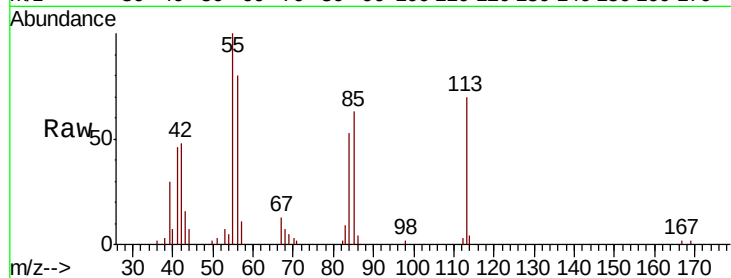




#35  
 Caprolactam  
 Concen: 25.356 ng  
 RT: 8.47 min Scan# 1085  
 Delta R.T. -0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

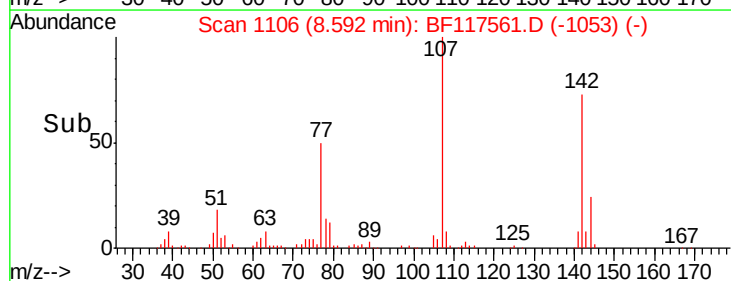
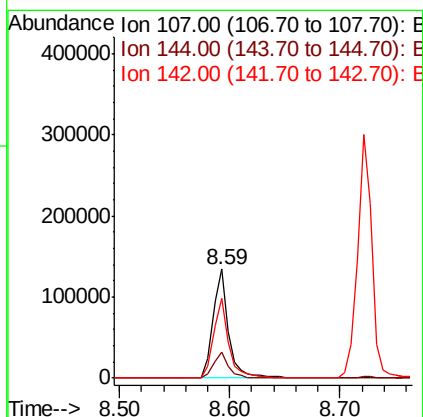
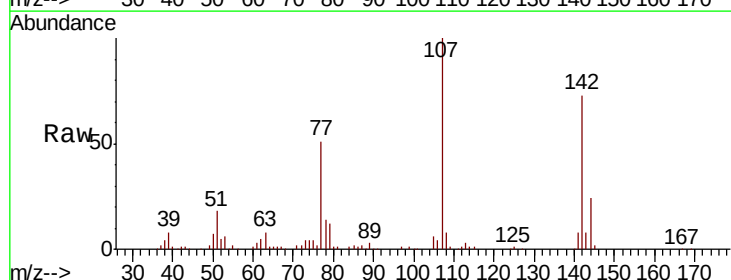
Instrument :  
 BNA\_E  
 ClientSampled :

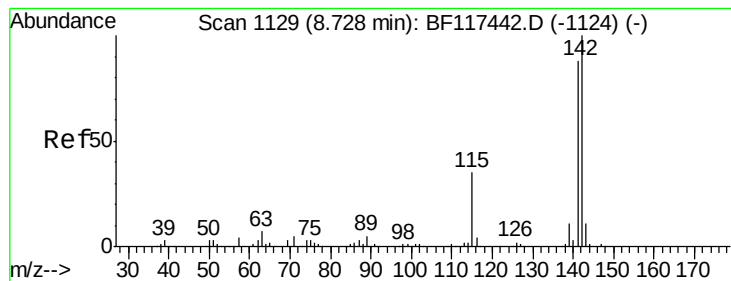
Tot Ion:113 Resp: 19723  
 Ion Ratio Lower Upper  
 113 100  
 55 143.6 108.8 148.8  
 56 115.1 87.2 127.2



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.947 ng  
 RT: 8.59 min Scan# 1106  
 Delta R.T. 0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Tgt Ion:107 Resp: 129646  
 Ion Ratio Lower Upper  
 107 100  
 144 24.2 18.9 28.3  
 142 73.4 58.6 88.0





#37

2-Methylnaphthalene

Concen: 46.083 ng

RT: 8.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampleId :

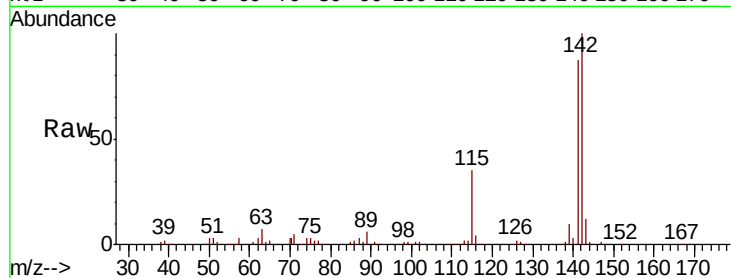
Tot Ion:142 Resp: 274771

Ion Ratio Lower Upper

142 100

141 87.0 70.3 105.5

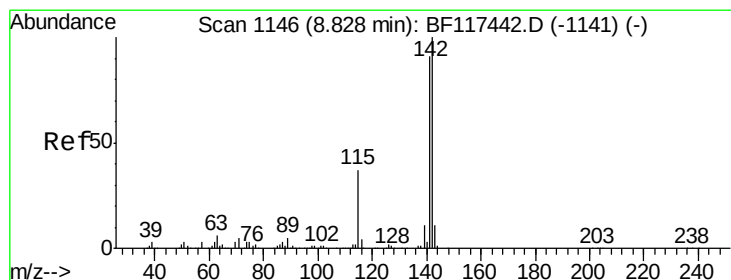
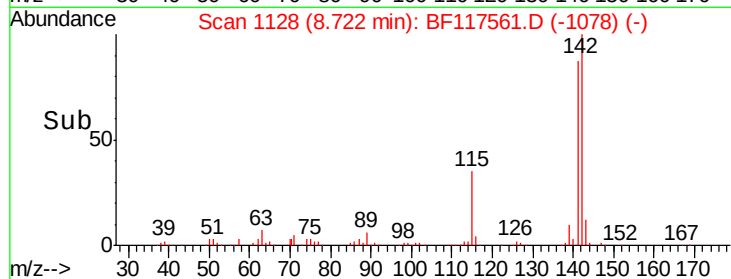
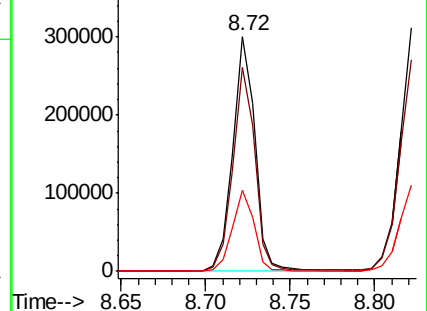
115 34.6 28.2 42.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 46.349 ng

RT: 8.82 min Scan# 1145

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

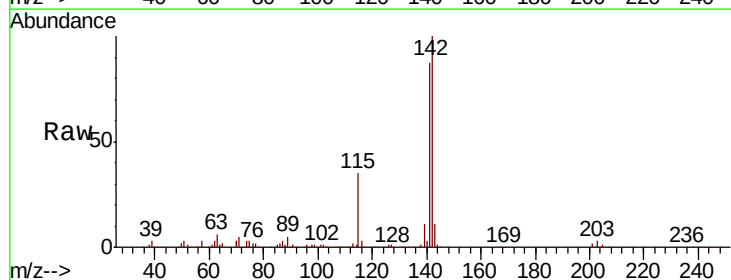
Tgt Ion:142 Resp: 259682

Ion Ratio Lower Upper

142 100

141 87.1 73.3 109.9

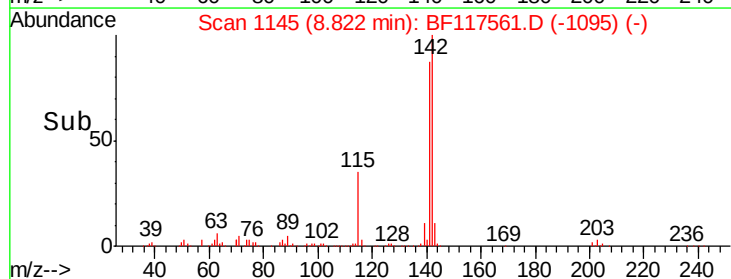
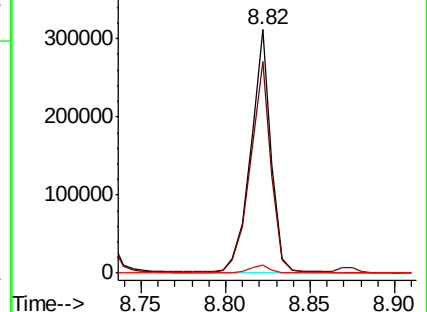
116 3.5 3.1 4.7

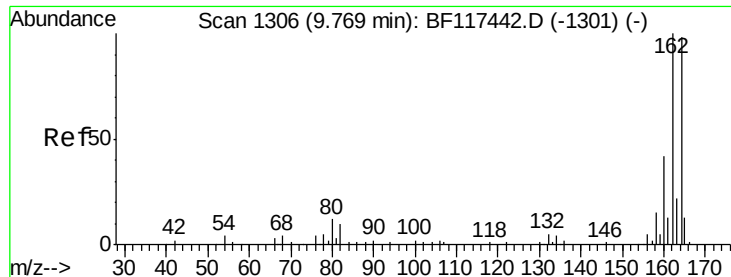


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampled :

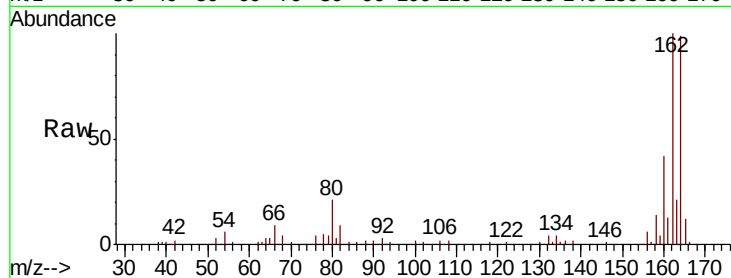
Tot Ion:164 Resp: 90466

Ion Ratio Lower Upper

164 100

162 101.0 81.8 122.6

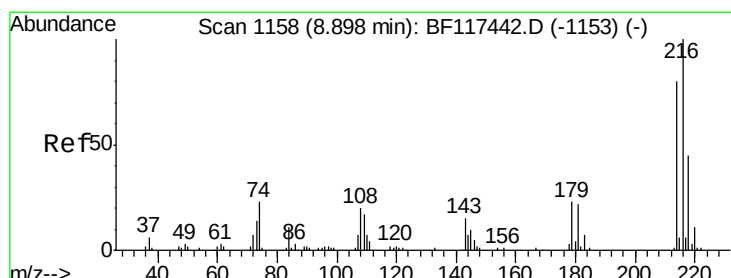
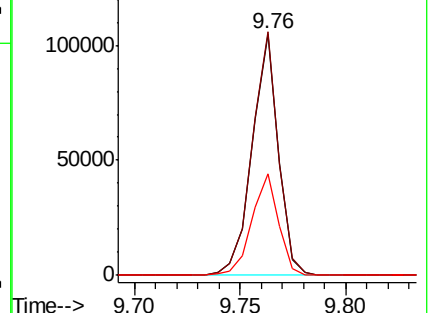
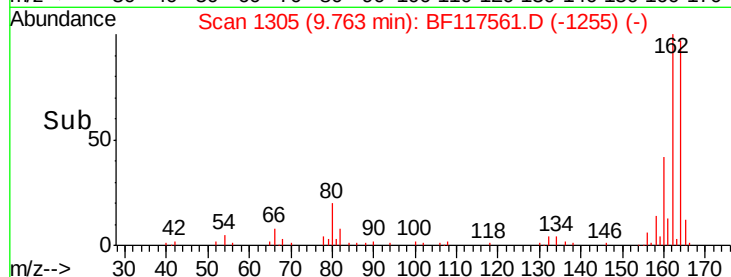
160 42.3 34.4 51.6



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: 42.760 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Tgt Ion:216 Resp: 104190

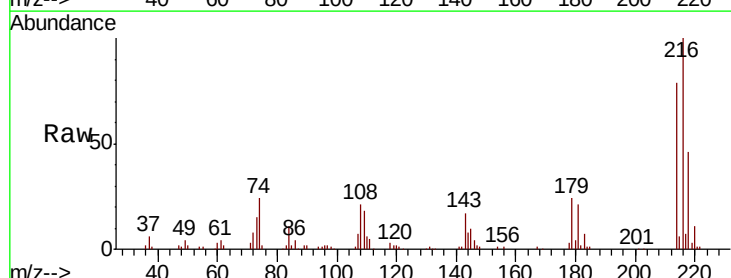
Ion Ratio Lower Upper

216 100

214 78.0 62.4 93.6

179 23.0 18.1 27.1

108 21.7 16.6 24.8

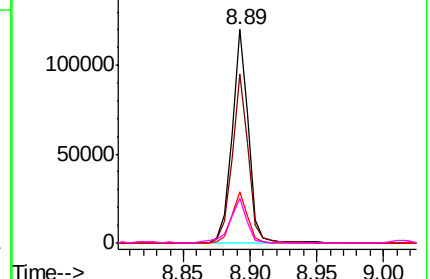
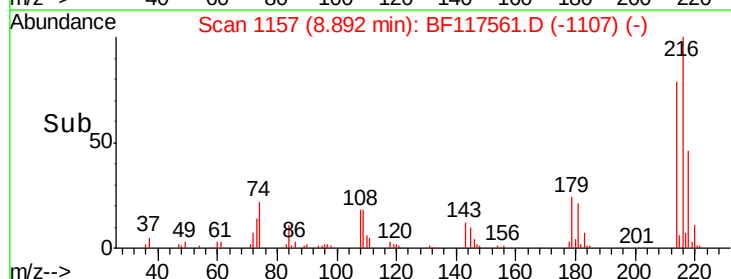


Abundance Ion 216.00 (215.70 to 216.70): E

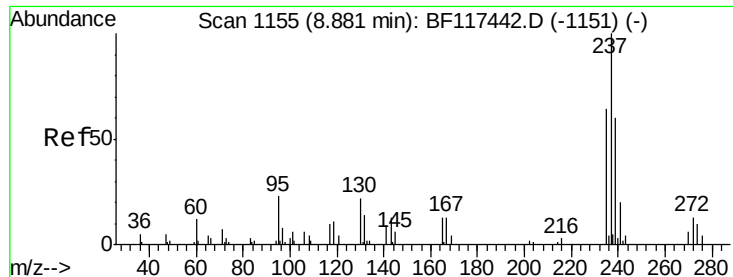
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E







#41

Hexachlorocyclopentadiene

Concen: 56.868 ng

RT: 8.87 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampleId :

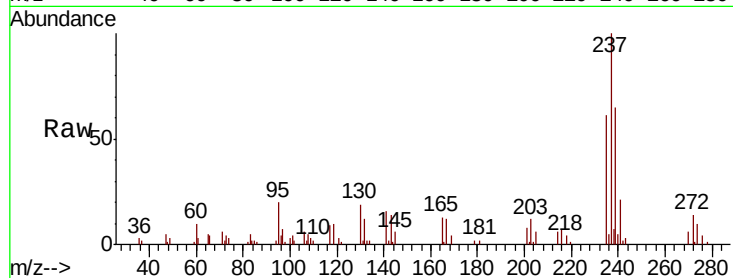
Tot Ion:237 Resp: 31934

Ion Ratio Lower Upper

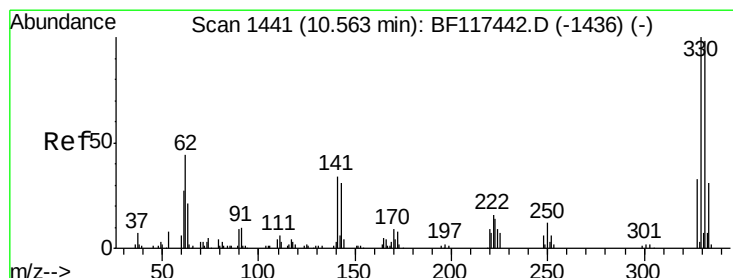
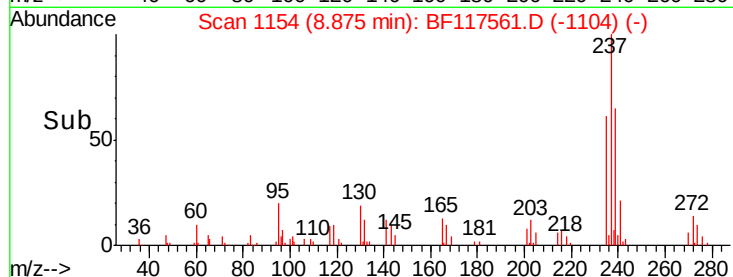
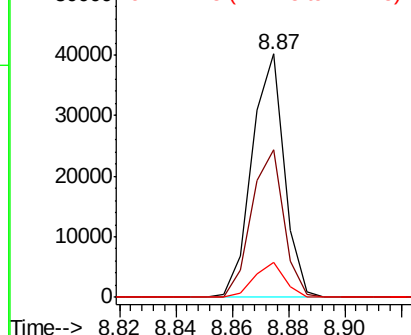
237 100

235 60.8 44.3 84.3

272 14.3 0.0 33.2



Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 122.438 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

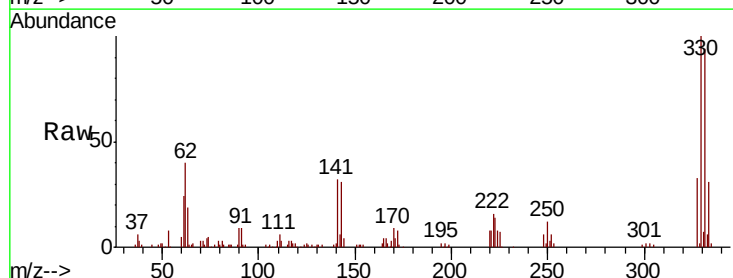
Tgt Ion:330 Resp: 95840

Ion Ratio Lower Upper

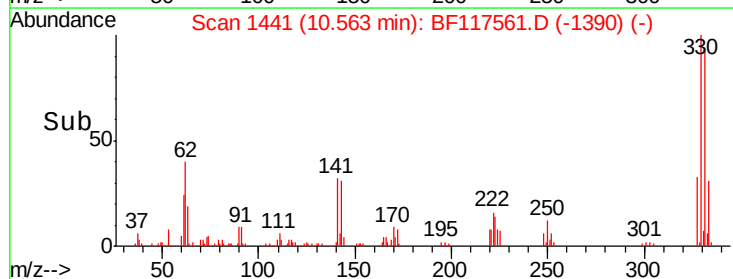
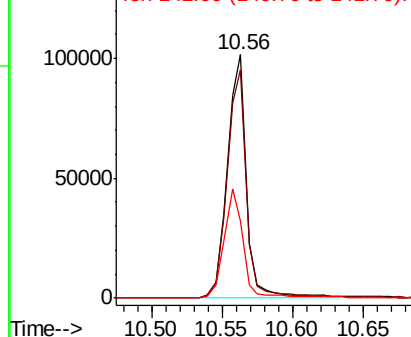
330 100

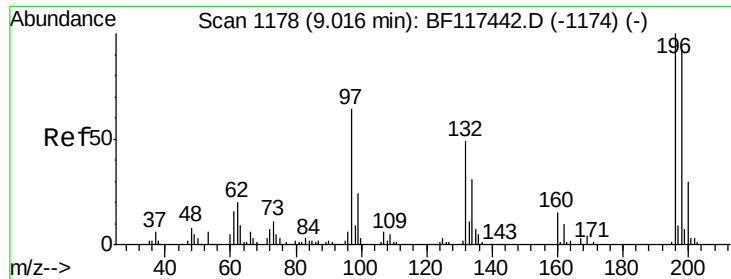
332 96.8 78.5 117.7

141 44.6 37.0 55.6



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

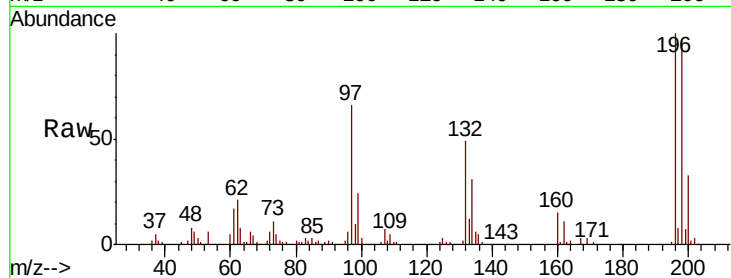




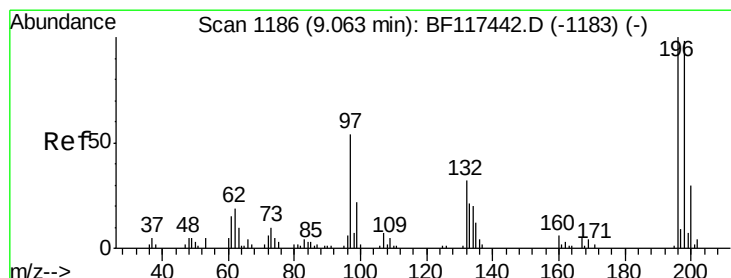
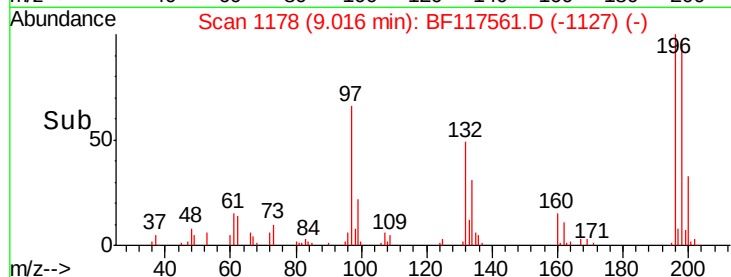
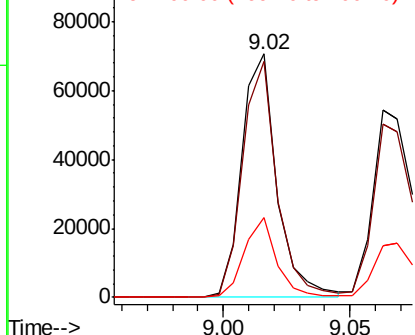
#43  
 2,4,6-Trichlorophenol  
 Concen: 44.681 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. 0.00 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion:196 Resp: 68177  
 Ion Ratio Lower Upper  
 196 100  
 198 96.7 74.1 111.1  
 200 32.5 23.9 35.9



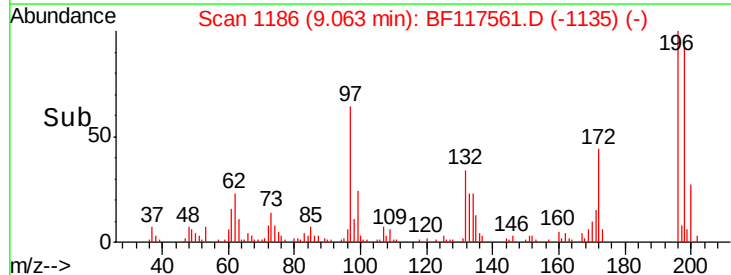
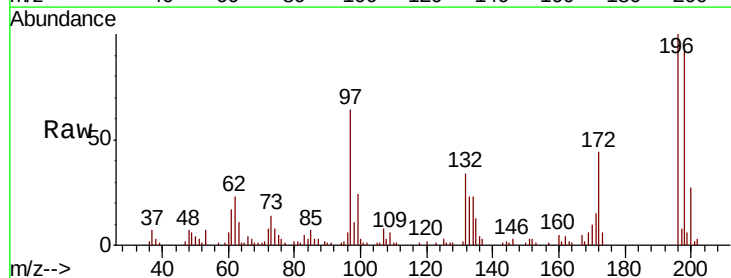
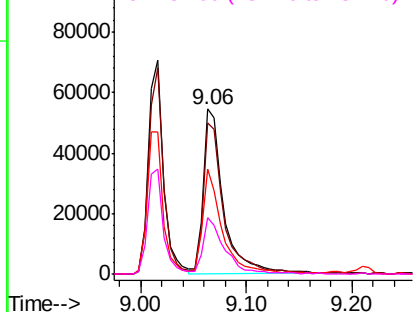
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

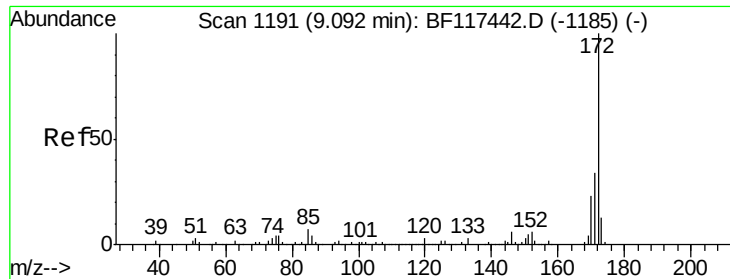


#44  
 2,4,5-Trichlorophenol  
 Concen: 46.667 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. 0.00 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Tgt Ion:196 Resp: 72156  
 Ion Ratio Lower Upper  
 196 100  
 198 92.0 78.6 117.8  
 97 64.1 43.4 65.2  
 132 33.9 26.0 39.0

Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

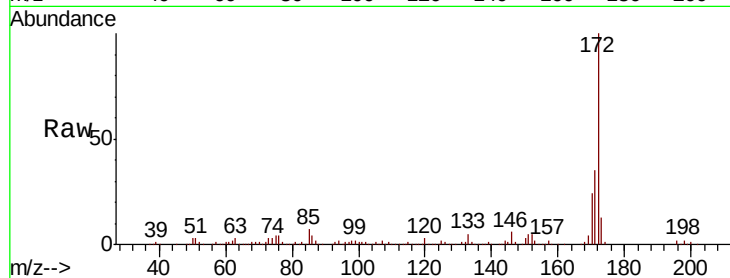




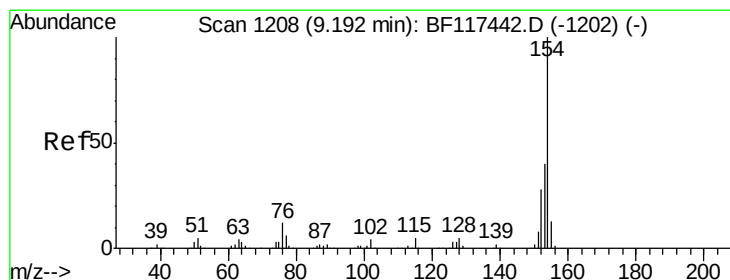
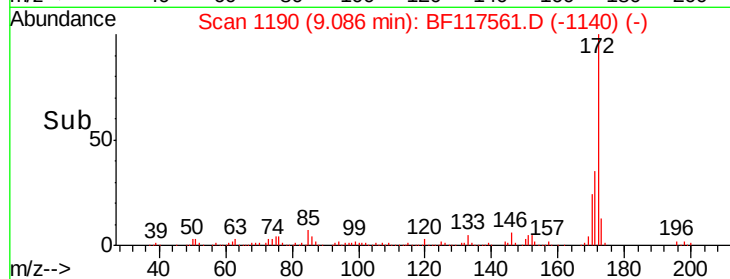
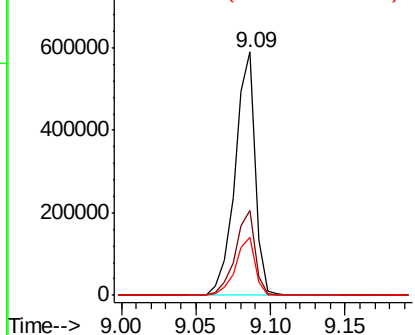
#45  
2-Fluorobiphenyl  
Concen: 87.372 ng  
RT: 9.09 min Scan# 1190  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Instrument :  
BNA\_E  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 27.5  | 41.3  |
| 170     | 23.7  | 18.6  | 27.8  |

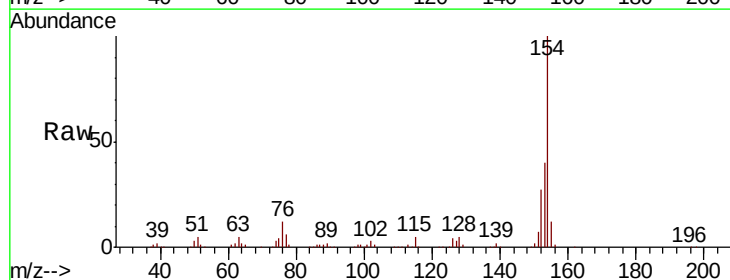


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

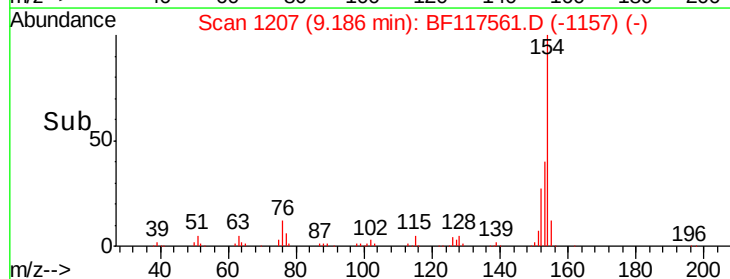
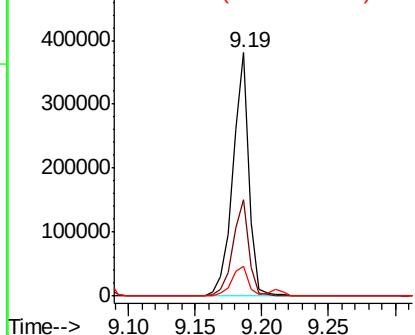


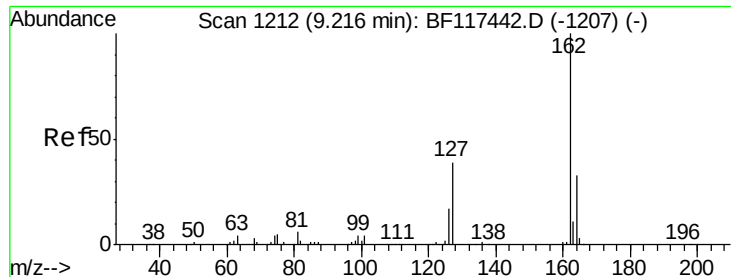
#46  
1,1'-Biphenyl  
Concen: 43.063 ng  
RT: 9.19 min Scan# 1207  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.8  | 20.2  | 60.2  |
| 76      | 12.1  | 0.0   | 32.1  |



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 43.855 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampleId :

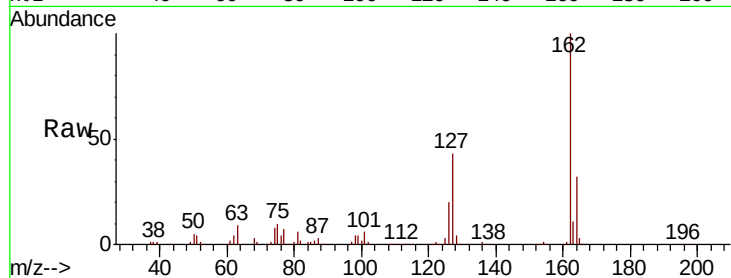
Tot Ion:162 Resp: 247641

Ion Ratio Lower Upper

162 100

127 43.0 34.2 51.4

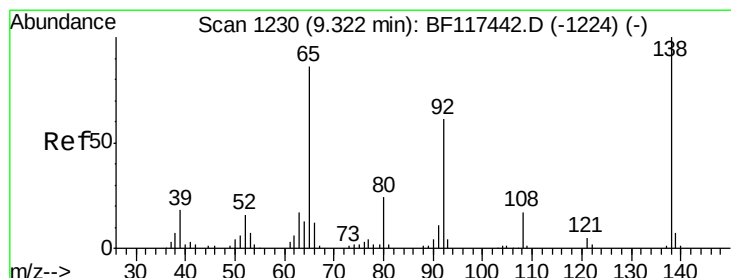
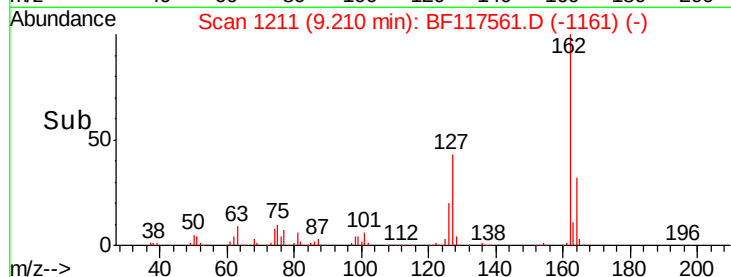
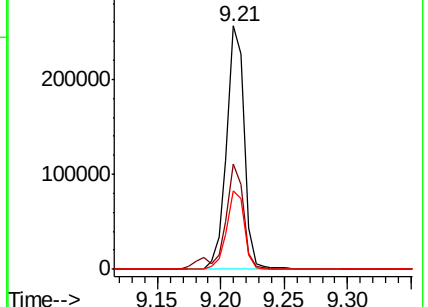
164 32.3 26.4 39.6



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 43.801 ng

RT: 9.32 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

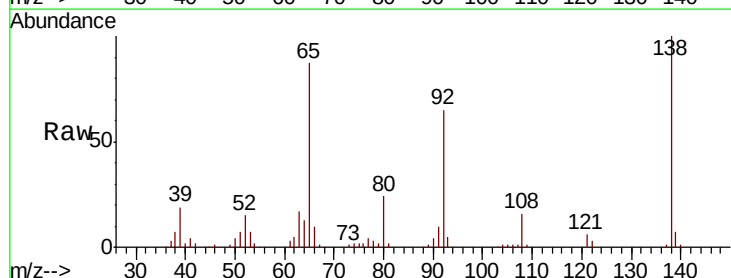
Tgt Ion: 65 Resp: 81195

Ion Ratio Lower Upper

65 100

92 74.6 57.3 85.9

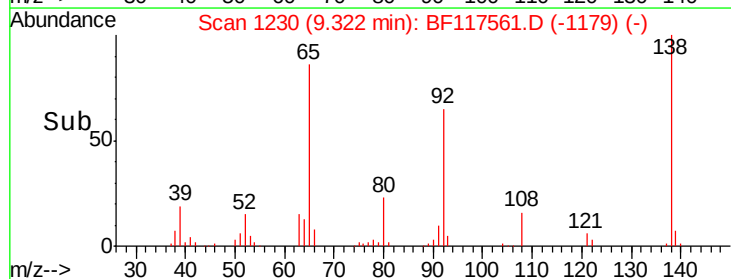
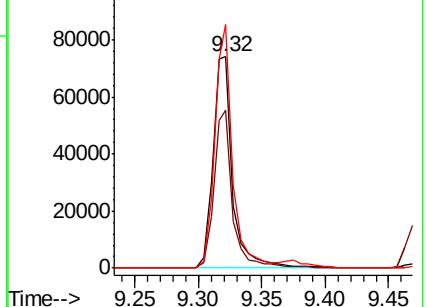
138 115.2 93.3 139.9

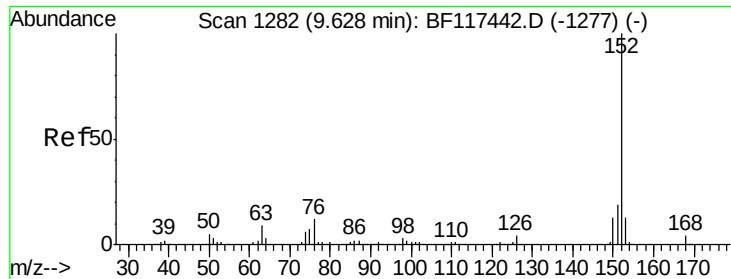


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 47.090 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampleId :

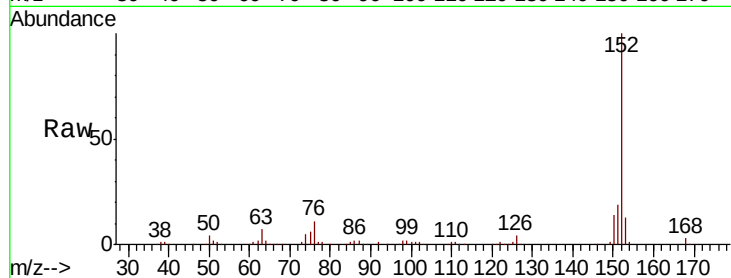
Tot Ion:152 Resp: 390582

Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.0

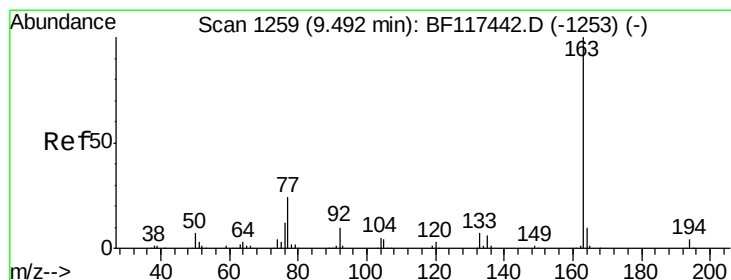
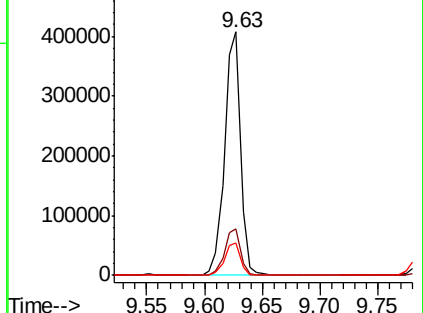
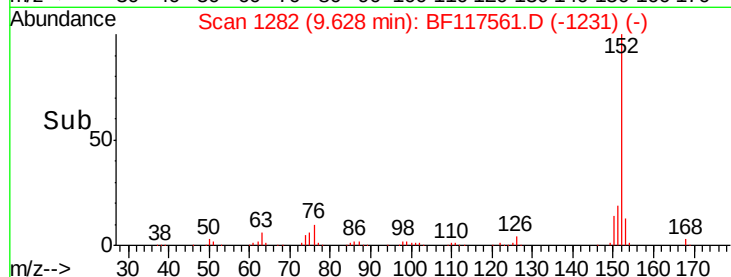
153 13.1 10.3 15.5



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: 53.791 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

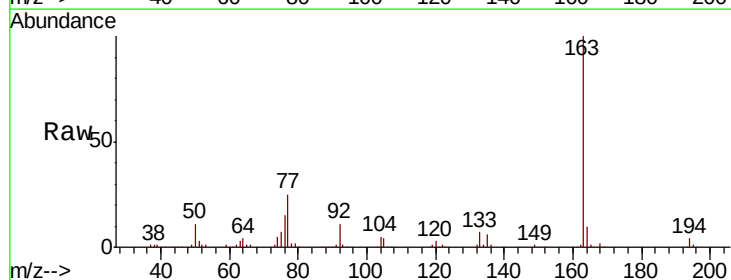
Tgt Ion:163 Resp: 346910

Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

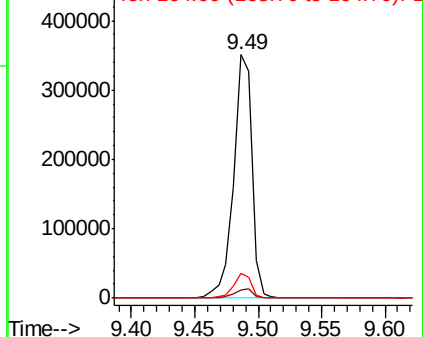
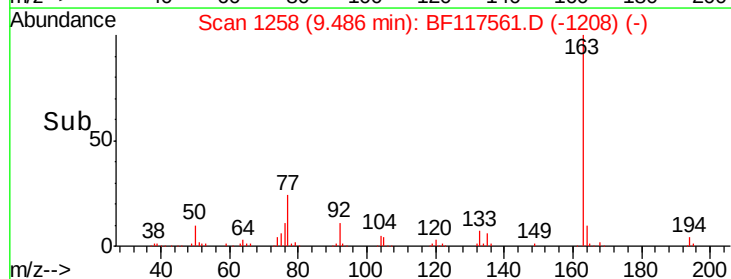
164 10.4 8.2 12.2

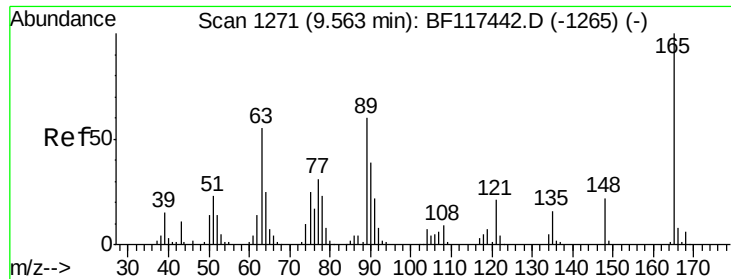


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

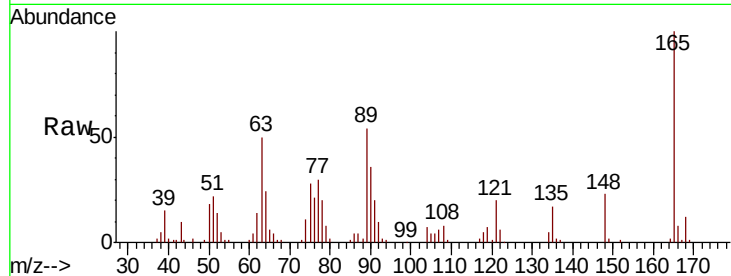




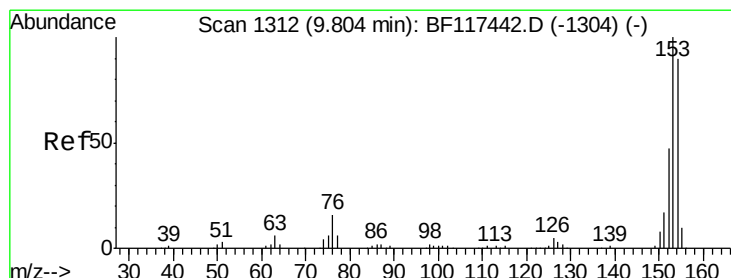
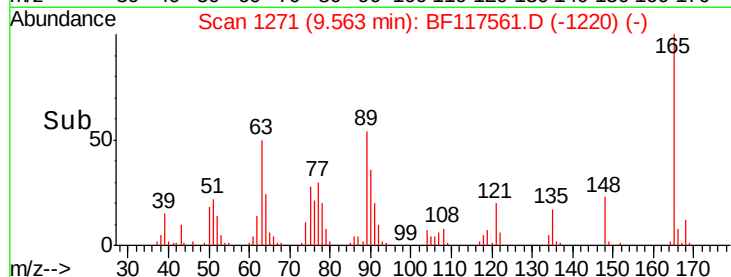
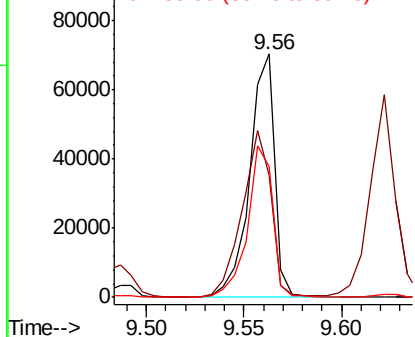
#51  
 2,6-Dinitrotoluene  
 Concen: 46.346 ng  
 RT: 9.56 min Scan# 1271  
 Delta R.T. 0.00 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion:165 Resp: 62373  
 Ion Ratio Lower Upper  
 165 100  
 63 50.3 43.8 65.8  
 89 53.7 47.6 71.4

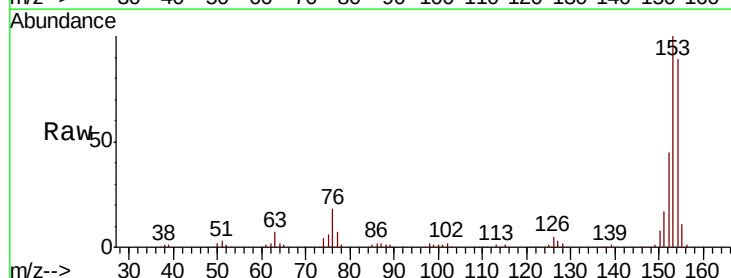


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

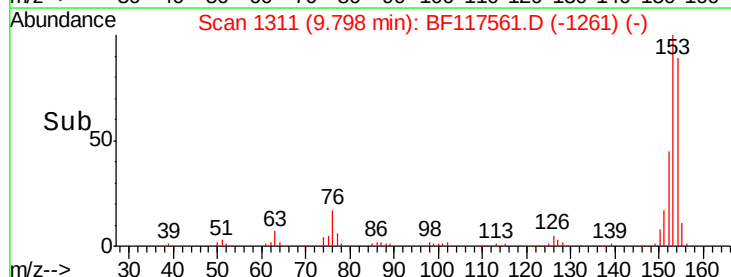
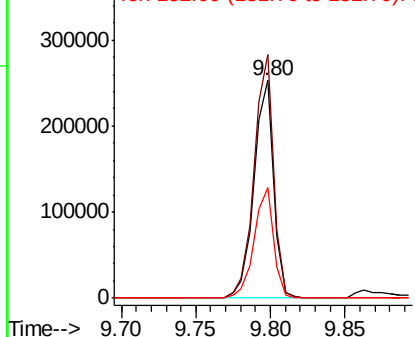


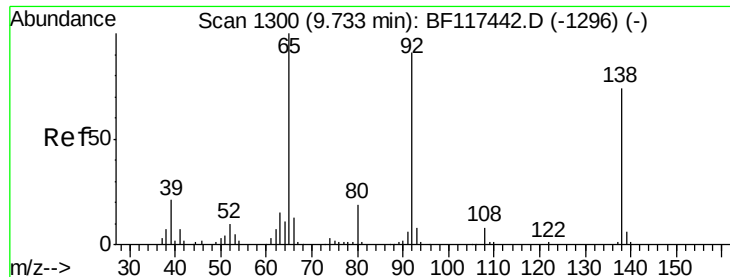
#52  
 Acenaphthene  
 Concen: 44.860 ng  
 RT: 9.80 min Scan# 1311  
 Delta R.T. -0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Tgt Ion:154 Resp: 228281  
 Ion Ratio Lower Upper  
 154 100  
 153 111.8 89.2 133.8  
 152 50.7 41.8 62.6



Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 152.00 (151.70 to 152.70): E

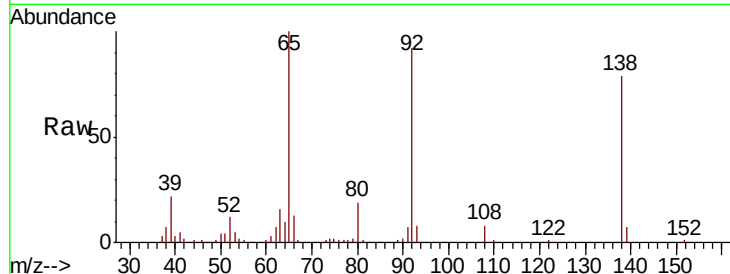




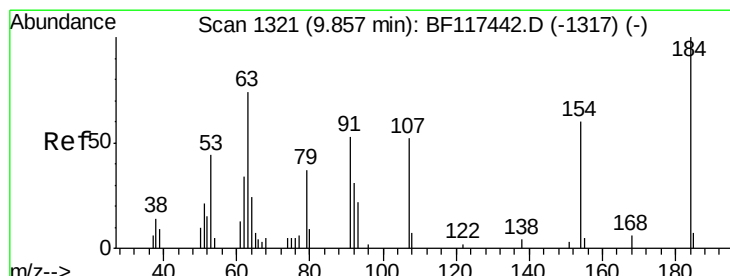
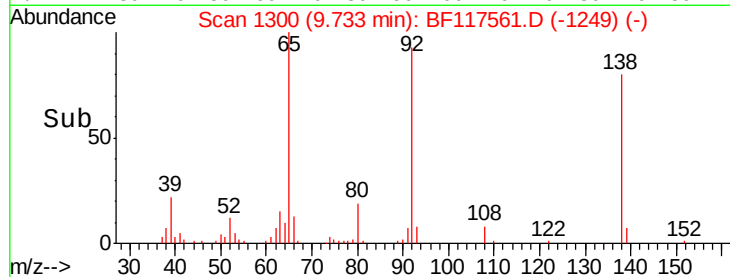
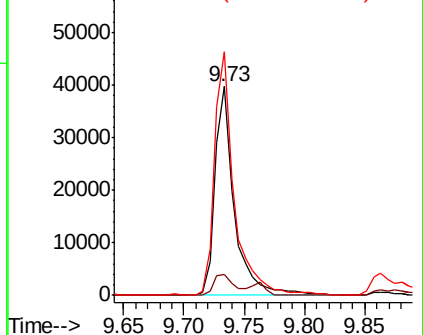
#53  
3-Nitroaniline  
Concen: 26.648 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:138 Resp: 43514  
Ion Ratio Lower Upper  
138 100  
108 10.0 8.7 13.1  
92 116.5 98.4 147.6

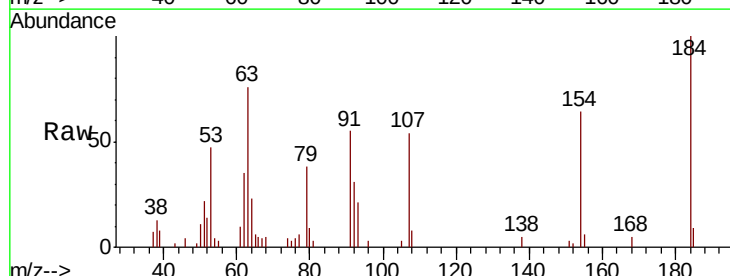


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

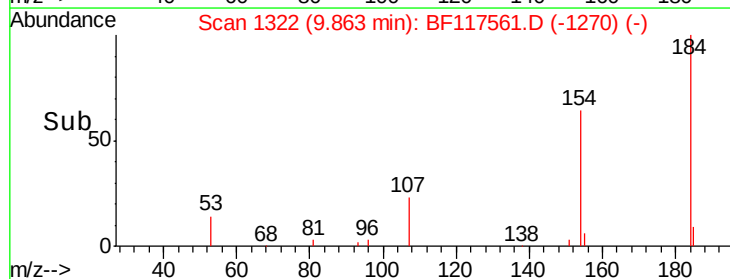
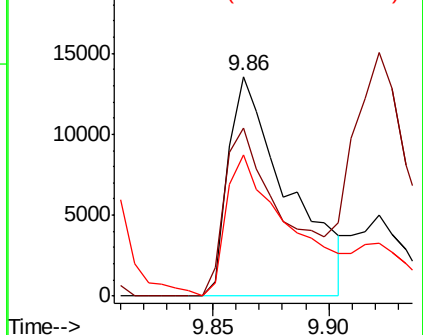


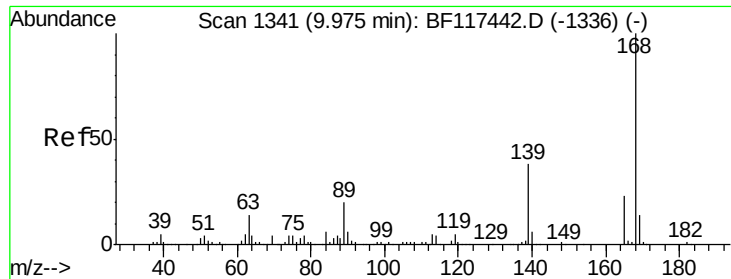
#54  
2,4-Dinitrophenol  
Concen: 45.952 ng  
RT: 9.86 min Scan# 1322  
Delta R.T. 0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Tgt Ion:184 Resp: 24453  
Ion Ratio Lower Upper  
184 100  
63 76.4 59.2 88.8  
154 64.3 53.4 80.0



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

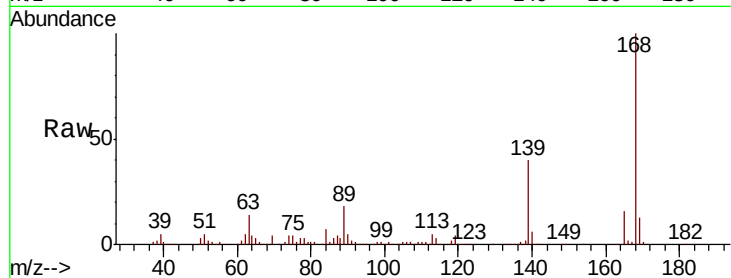




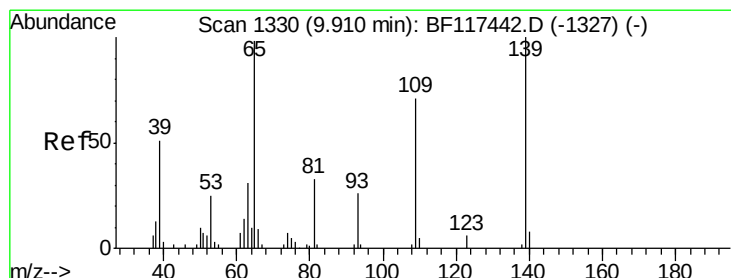
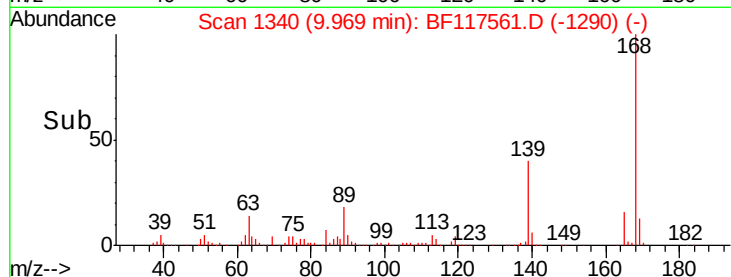
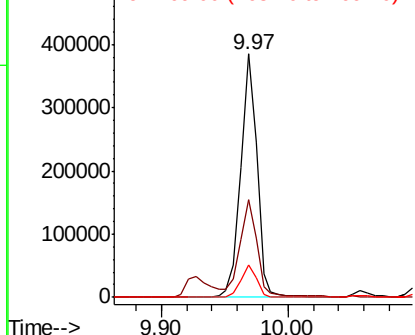
#55  
Dibenzenofuran  
Concen: 46.074 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:168 Resp: 339688  
Ion Ratio Lower Upper  
168 100  
139 40.2 31.8 47.6  
169 13.4 11.2 16.8

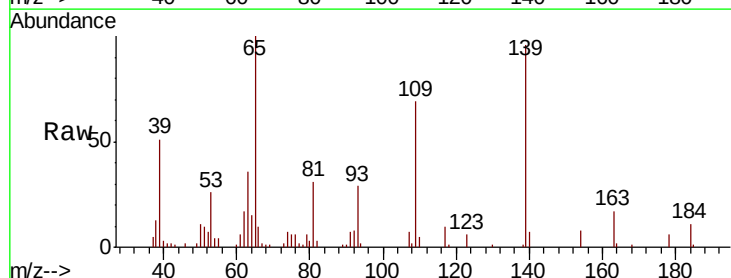


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

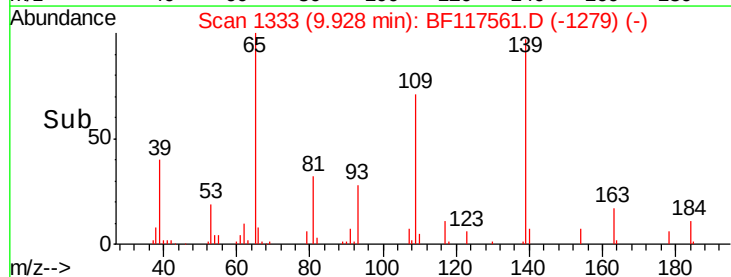
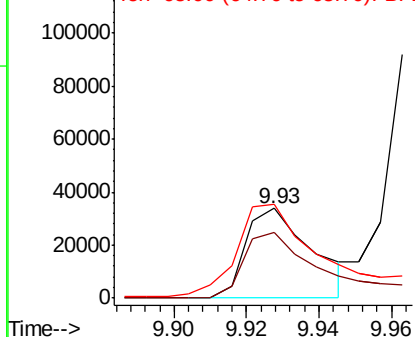


#56  
4-Nitrophenol  
Concen: 58.151 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. 0.02 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

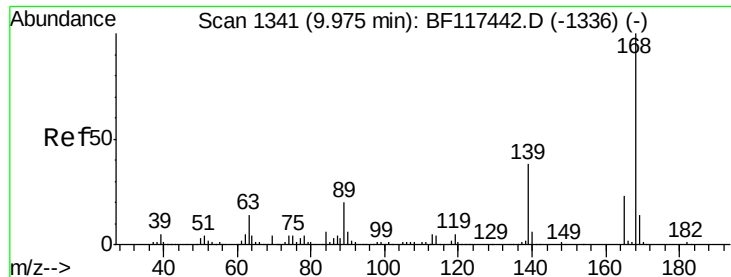
Tgt Ion:139 Resp: 42815  
Ion Ratio Lower Upper  
139 100  
109 72.6 51.4 91.4  
65 104.6 79.4 119.4



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): BF1



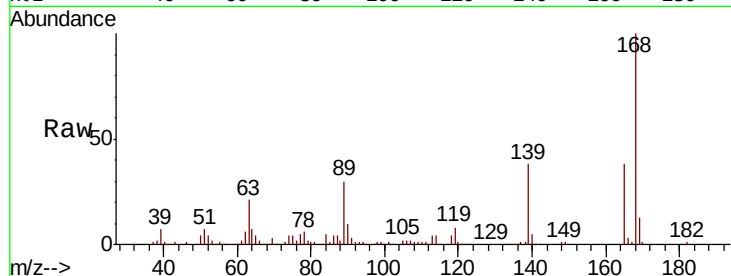




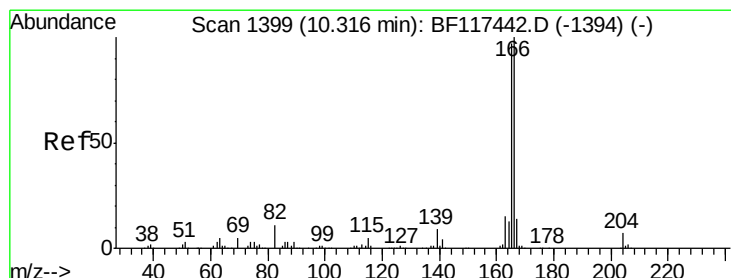
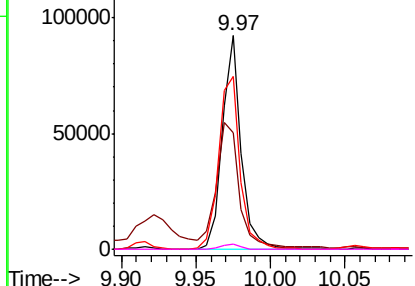
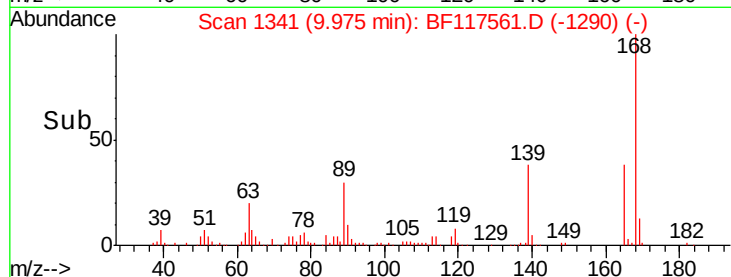
#57  
2,4-Dinitrotoluene  
Concen: 46.169 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. 0.00 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:165 Resp: 82609  
Ion Ratio Lower Upper  
165 100  
63 54.5 51.4 77.0  
89 80.7 69.9 104.9  
182 2.4 1.9 2.9

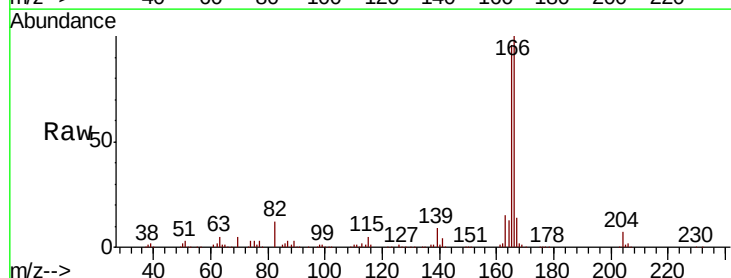


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

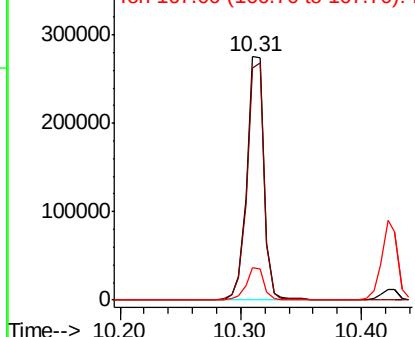
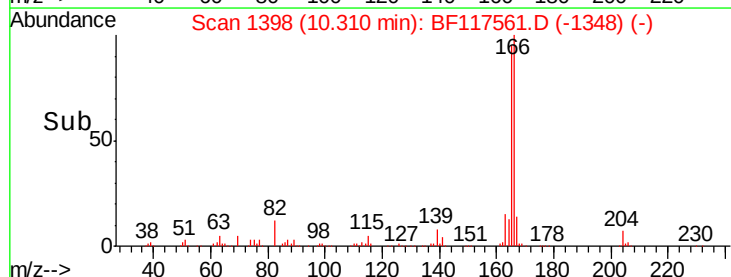


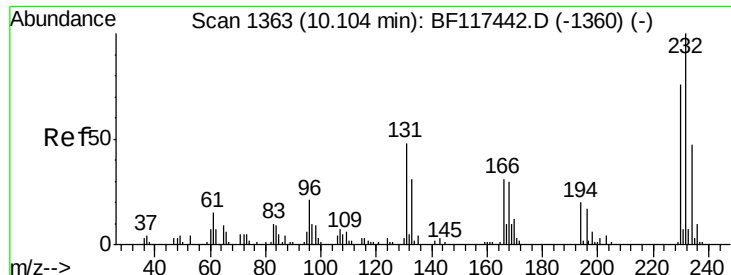
#58  
Fluorene  
Concen: 45.165 ng  
RT: 10.31 min Scan# 1398  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Tgt Ion:166 Resp: 275363  
Ion Ratio Lower Upper  
166 100  
165 95.6 77.6 116.4  
167 13.5 11.0 16.4



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

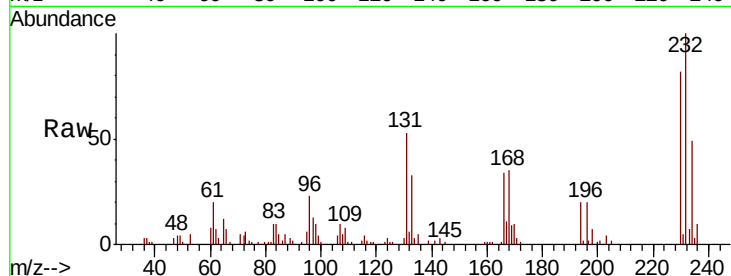




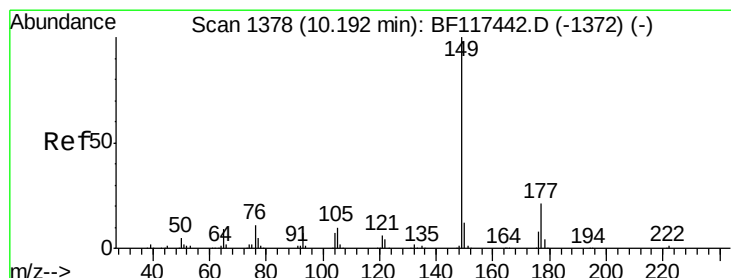
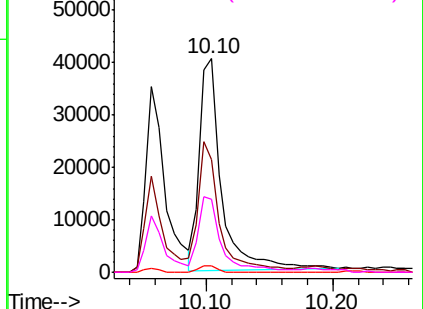
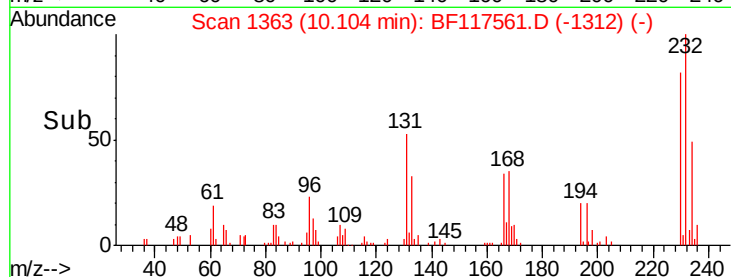
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 40.835 ng  
 RT: 10.10 min Scan# 1363  
 Delta R.T. 0.00 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:232 Resp: 49624  
 Ion Ratio Lower Upper  
 232 100  
 131 60.4 42.6 63.8  
 130 2.4 2.2 3.4  
 166 34.3 27.5 41.3

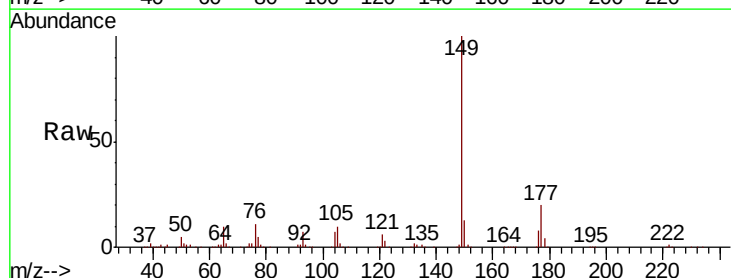


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

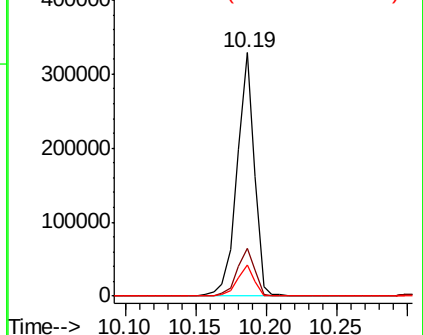
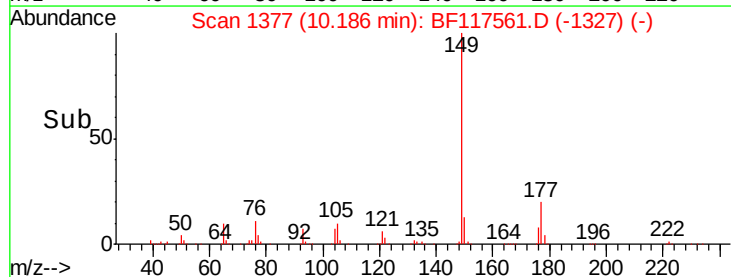


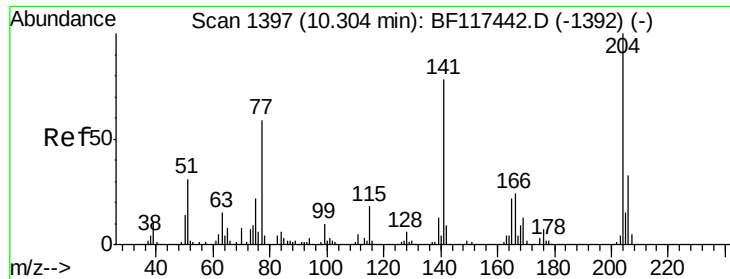
#60  
 Diethylphthalate  
 Concen: 43.045 ng  
 RT: 10.19 min Scan# 1377  
 Delta R.T. -0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Tgt Ion:149 Resp: 280793  
 Ion Ratio Lower Upper  
 149 100  
 177 19.8 17.0 25.4  
 150 12.8 9.8 14.6



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E

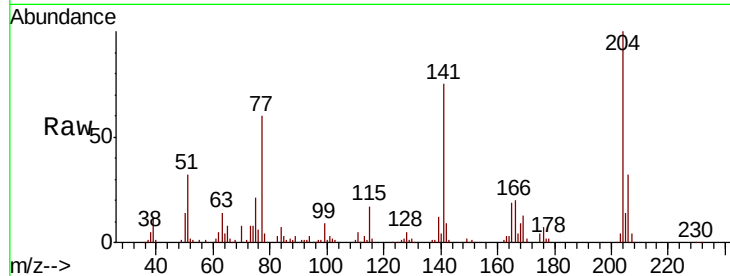




#61  
4-Chlorophenyl-phenylether  
Concen: 43.290 ng  
RT: 10.30 min Scan# 1396  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Instrument :  
BNA\_E  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 31.9  | 26.3  | 39.5  |
| 141     | 74.9  | 62.2  | 93.4  |

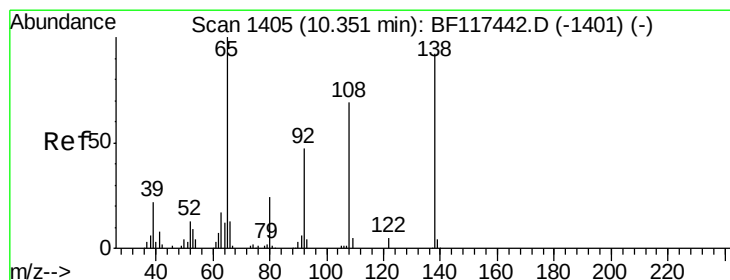
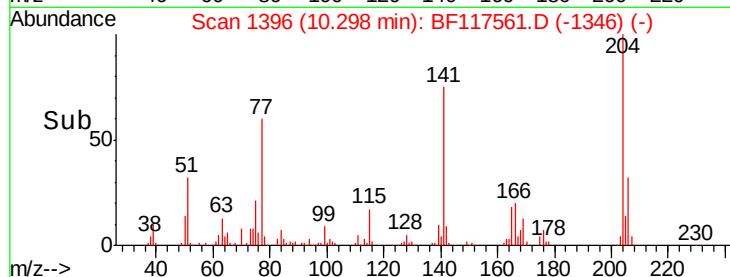
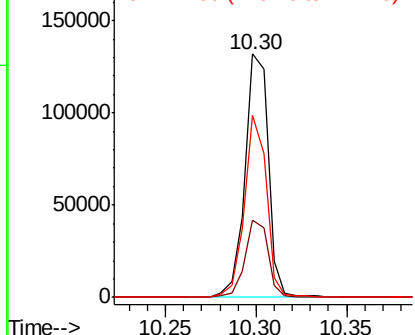


Abundance

Ion 204.00 (203.70 to 204.70): E

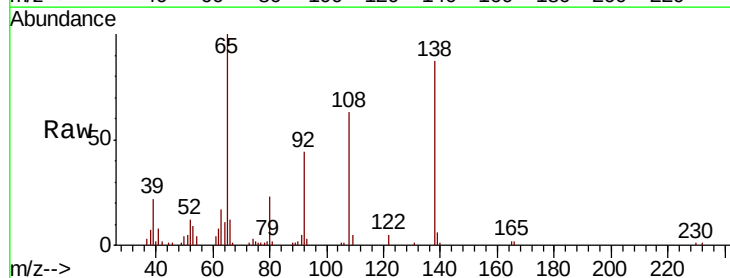
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62  
4-Nitroaniline  
Concen: 40.947 ng  
RT: 10.35 min Scan# 1405  
Delta R.T. 0.00 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 50.5  | 30.3  | 70.3  |
| 108     | 72.2  | 54.9  | 94.9  |

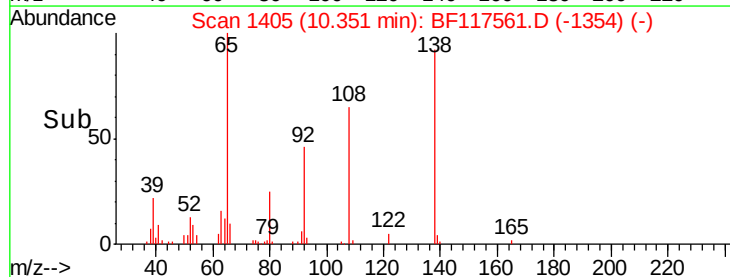
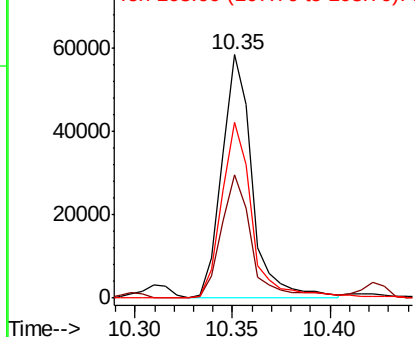


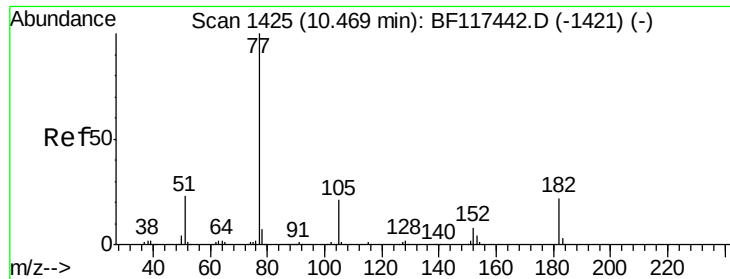
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

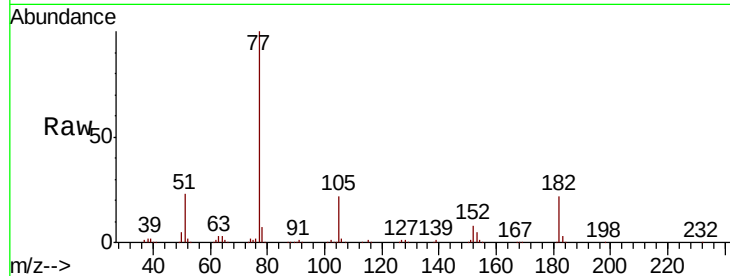




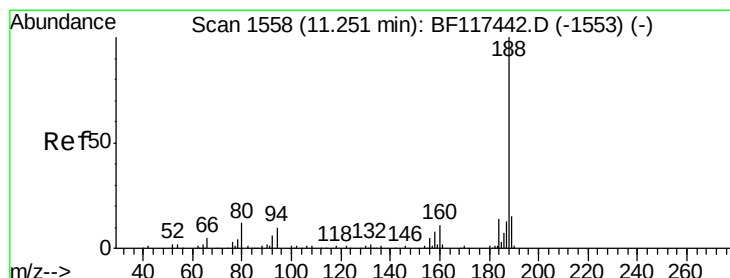
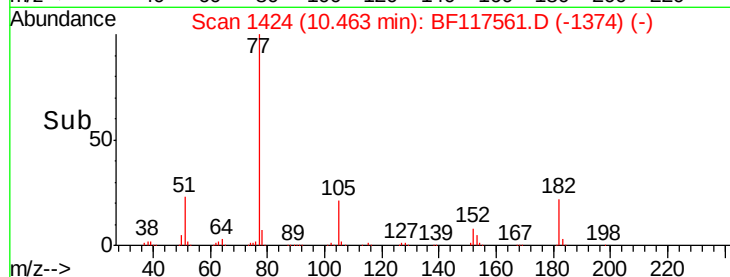
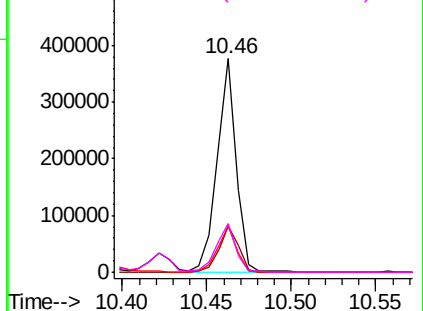
#63  
Azobenzene  
Concen: 44.884 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Instrument :  
BNA\_E  
ClientSampleId :

| Tot Ion: | 77    | Resp: | 299720 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 21.6  | 2.3   | 42.3   |
| 105      | 21.8  | 1.3   | 41.3   |
| 51       | 23.1  | 3.5   | 43.5   |

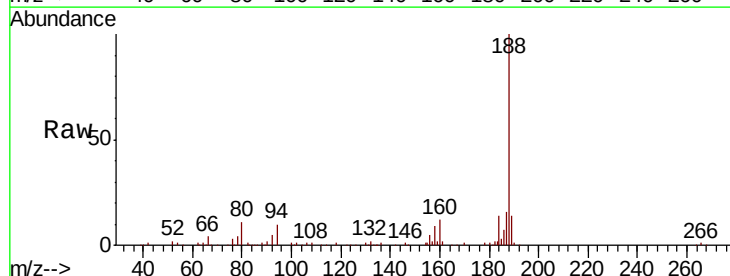


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF1

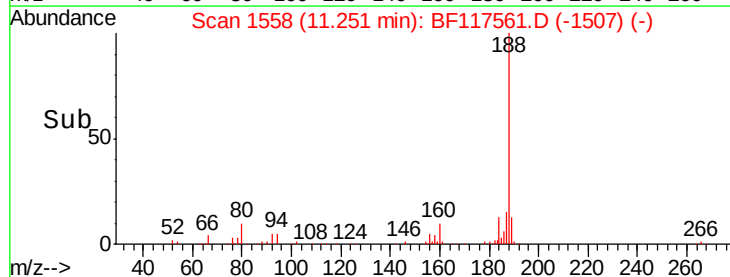
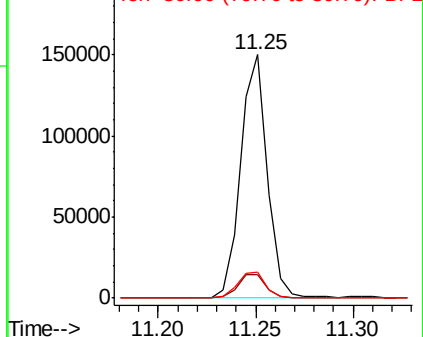


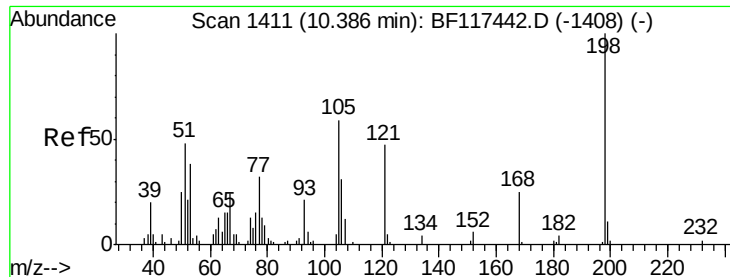
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.25 min Scan# 1558  
Delta R.T. 0.00 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

| Tgt Ion: | 188   | Resp: | 141402 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.7   | 8.0   | 12.0   |
| 80       | 10.7  | 9.5   | 14.3   |



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

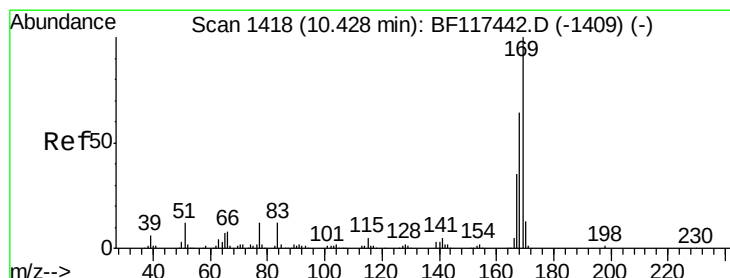
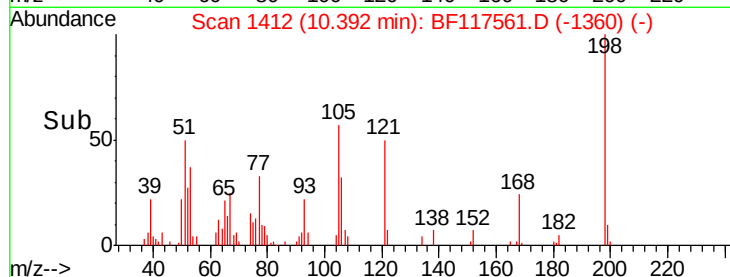
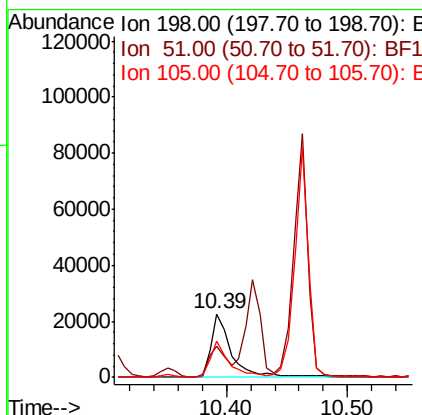
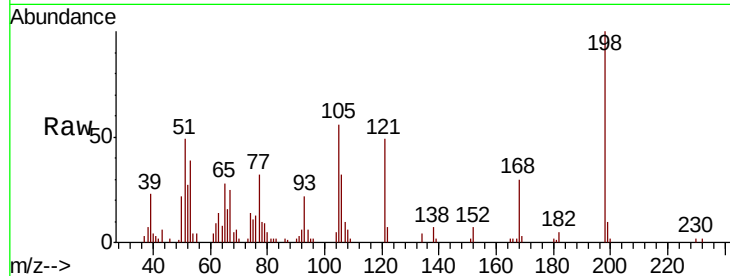




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 36.581 ng  
 RT: 10.39 min Scan# 1412  
 Delta R.T. 0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

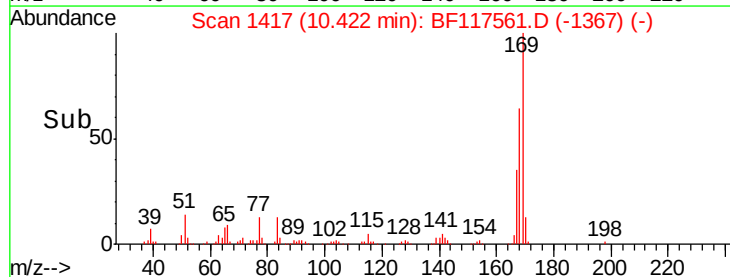
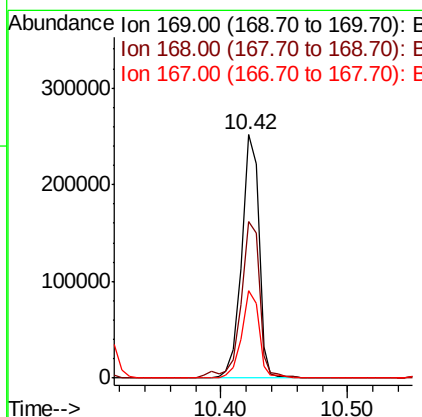
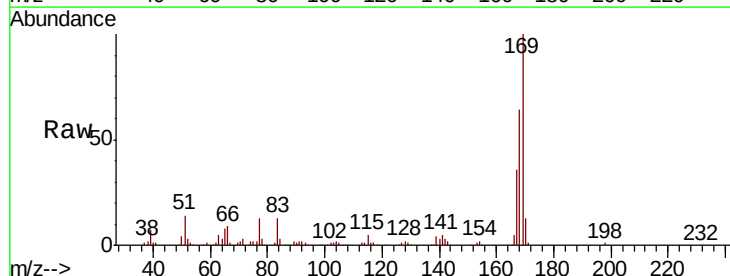
Instrument :  
 BNA\_E  
 ClientSampleId :

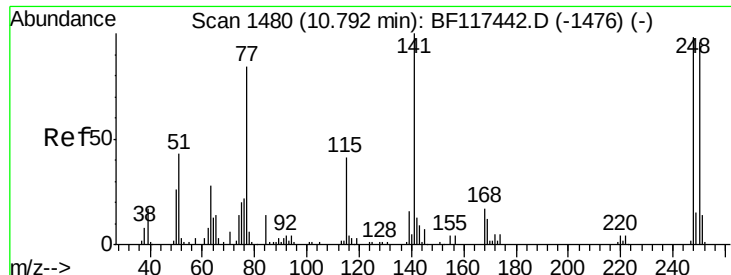
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 49.2  | 29.1  | 69.1  |
| 105     | 56.1  | 39.4  | 79.4  |



#66  
 n-Nitrosodiphenylamine  
 Concen: 45.812 ng  
 RT: 10.42 min Scan# 1417  
 Delta R.T. -0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 64.3  | 51.3  | 76.9  |
| 167     | 35.7  | 28.2  | 42.4  |

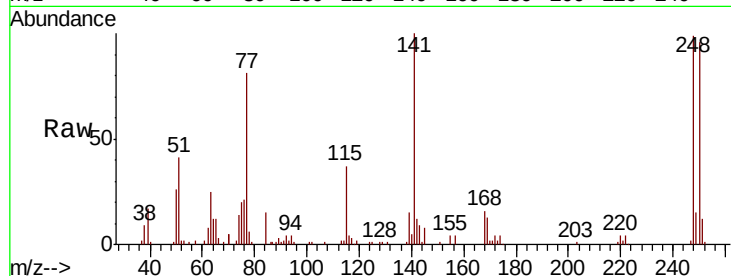




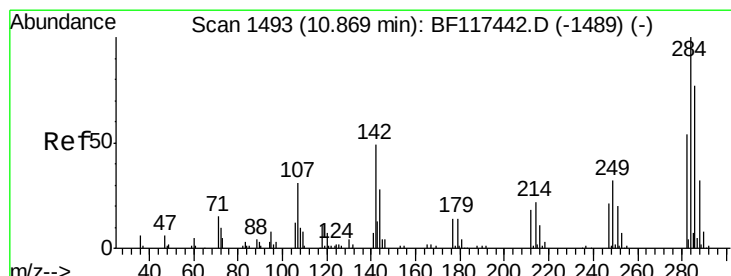
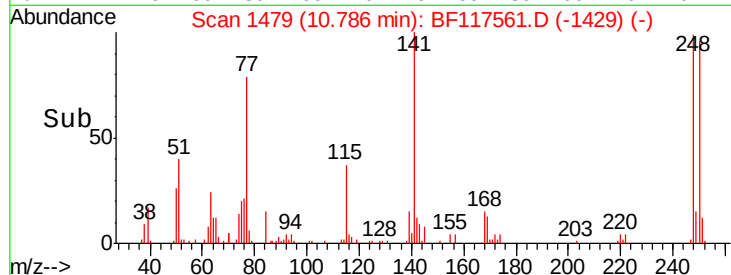
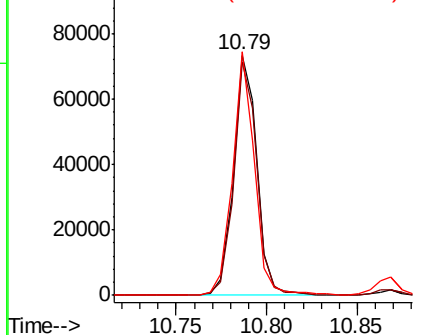
#67  
 4-Bromophenyl-phenylether  
 Concen: 43.202 ng  
 RT: 10.79 min Scan# 1479  
 Delta R.T. -0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion:248 Resp: 65800  
 Ion Ratio Lower Upper  
 248 100  
 250 97.5 78.0 117.0  
 141 101.5 81.7 122.5

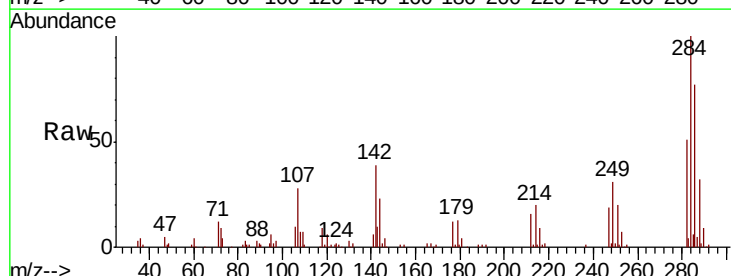


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

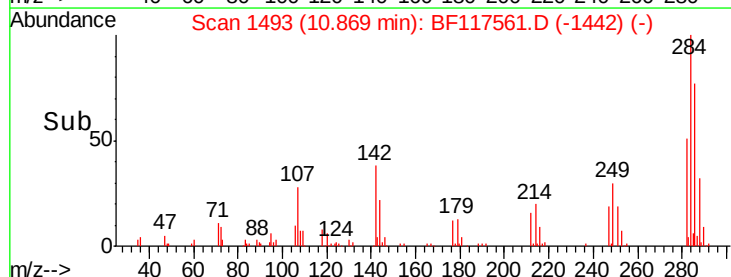
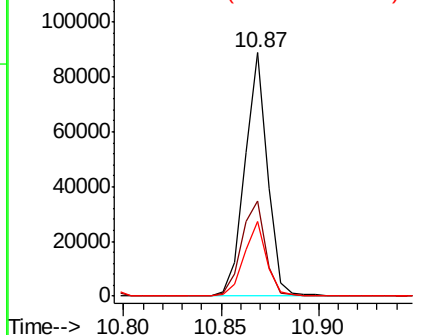


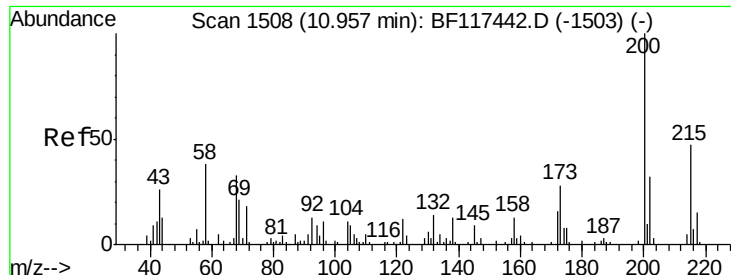
#68  
 Hexachlorobenzene  
 Concen: 43.755 ng  
 RT: 10.87 min Scan# 1493  
 Delta R.T. 0.00 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Tgt Ion:284 Resp: 71370  
 Ion Ratio Lower Upper  
 284 100  
 142 38.8 39.0 58.6#  
 249 30.8 25.7 38.5



Abundance Ion 283.80 (283.50 to 284.50): E  
 Ion 142.00 (141.70 to 142.70): E  
 Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 51.627 ng

RT: 10.96 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampled :

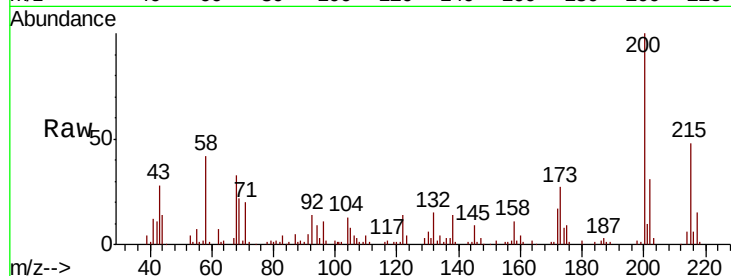
Tot Ion:200 Resp: 67901

Ion Ratio Lower Upper

200 100

173 27.5 8.2 48.2

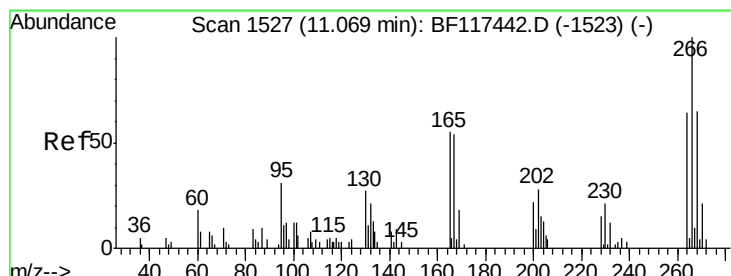
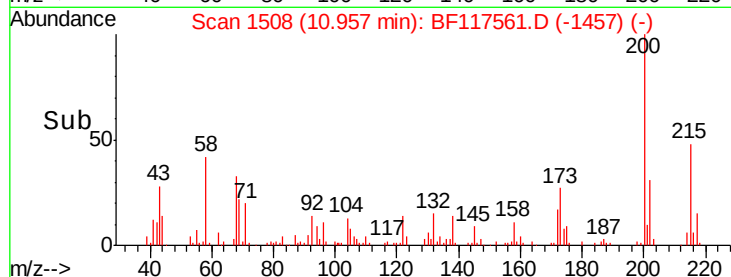
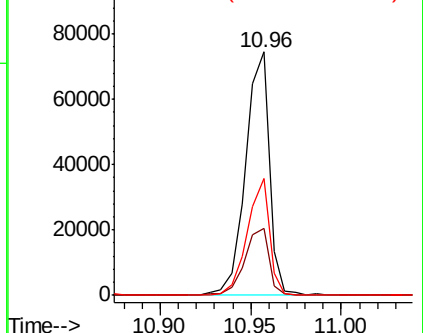
215 47.9 26.8 66.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 73.823 ng

RT: 11.07 min Scan# 1528

Delta R.T. 0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

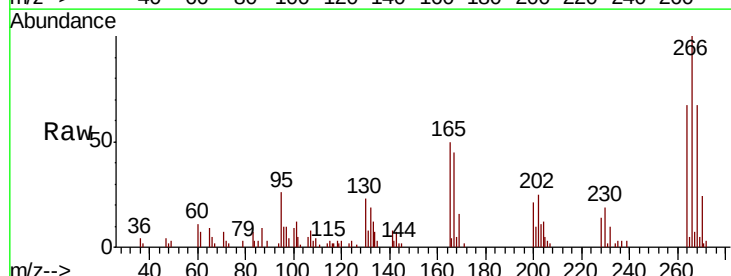
Tgt Ion:266 Resp: 36098

Ion Ratio Lower Upper

266 100

268 67.3 51.6 77.4

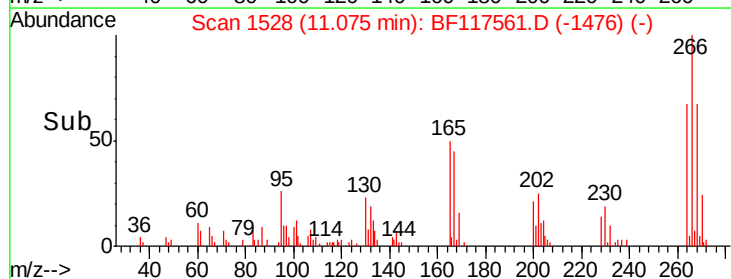
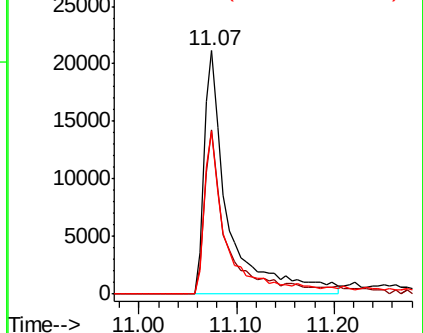
264 66.9 51.4 77.2

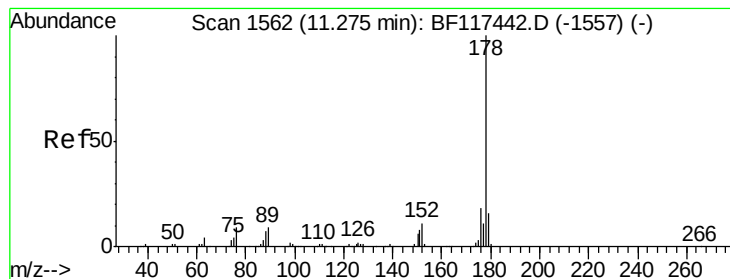


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 46.211 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampleId :

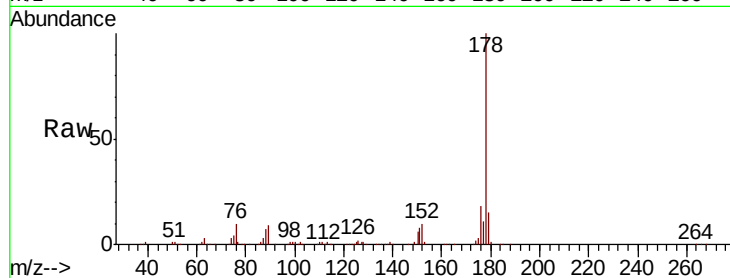
Tot Ion:178 Resp: 379424

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

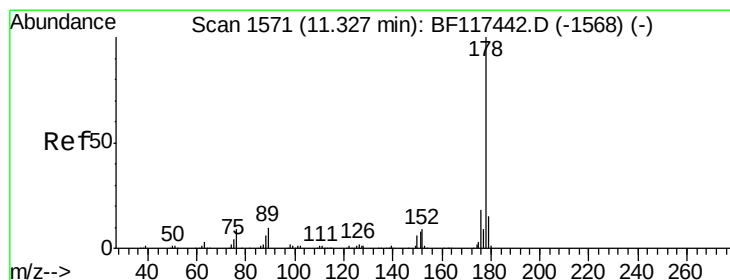
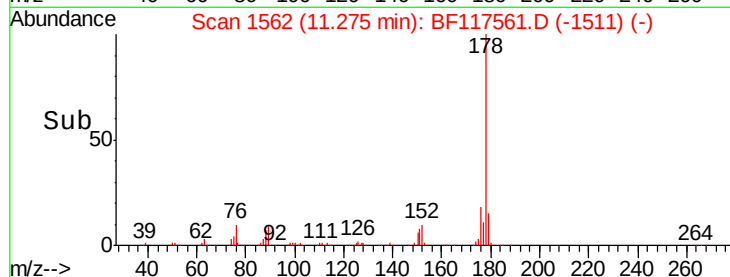
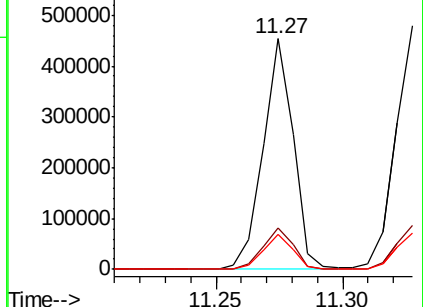
179 14.9 12.6 19.0



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: 48.587 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

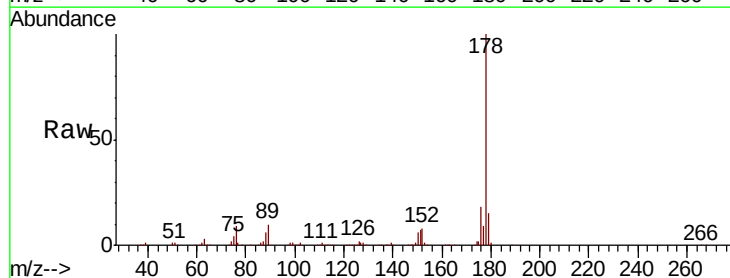
Tgt Ion:178 Resp: 409327

Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

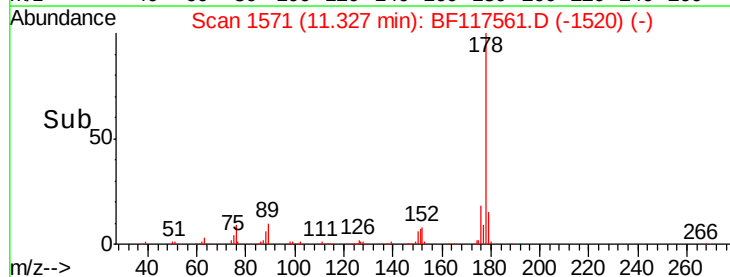
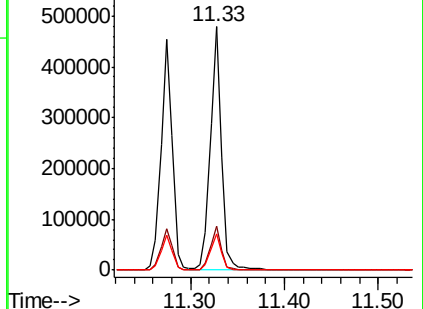
179 14.9 12.2 18.2



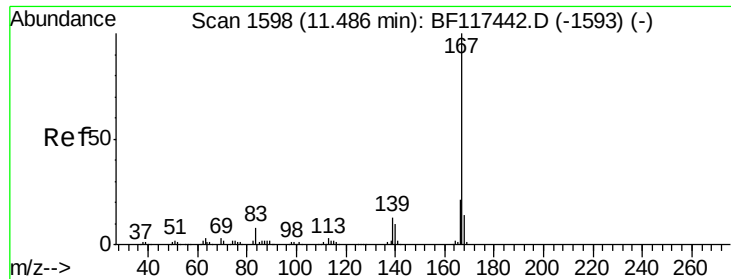
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



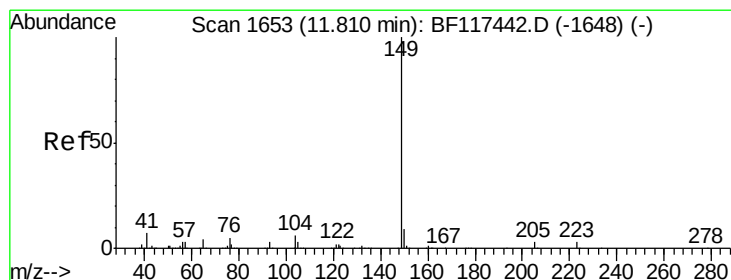
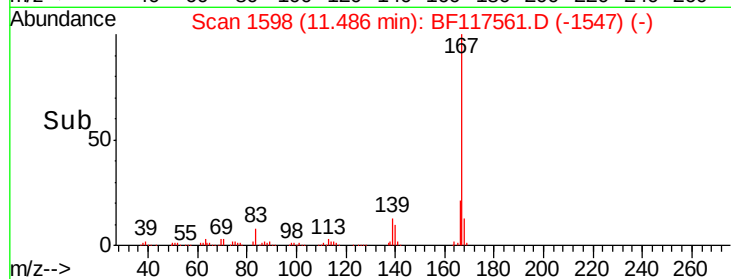
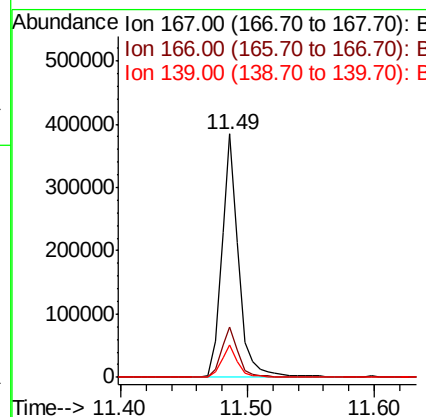
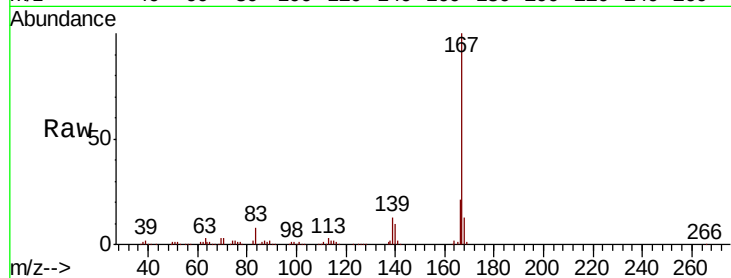




#73  
 Carbazole  
 Concen: 46.491 ng  
 RT: 11.49 min Scan# 1598  
 Delta R.T. 0.00 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

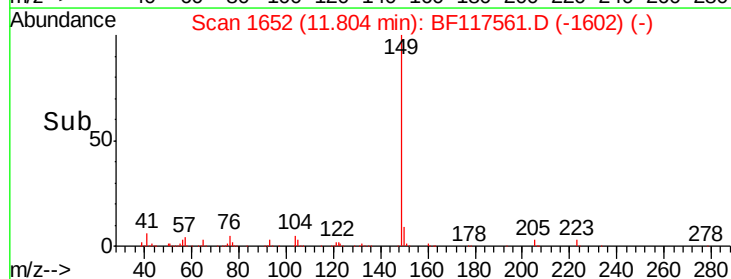
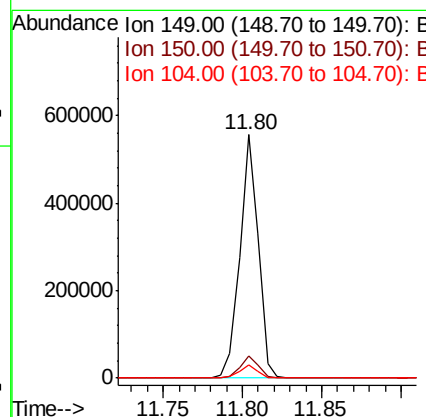
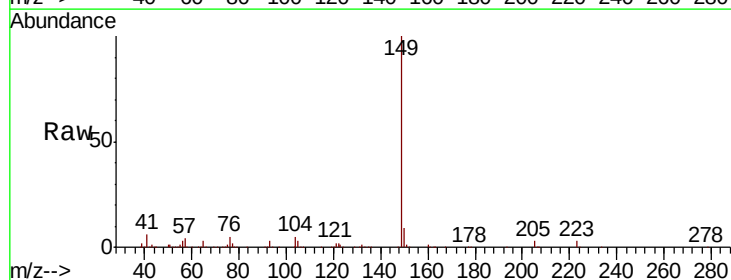
Instrument :  
 BNA\_E  
 ClientSampleId :

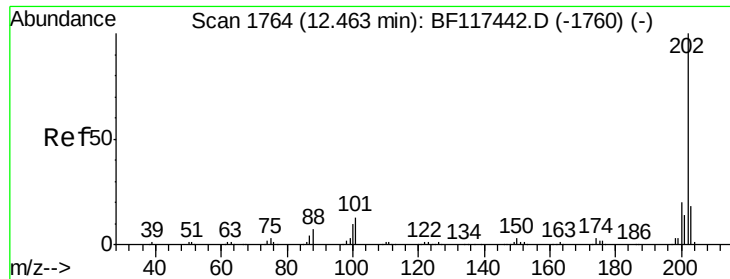
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 20.8  | 17.0  | 25.6  |
| 139     | 13.4  | 10.6  | 16.0  |



#74  
 Di-n-butylphthalate  
 Concen: 43.629 ng  
 RT: 11.80 min Scan# 1652  
 Delta R.T. -0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.1   | 7.5   | 11.3  |
| 104     | 5.2   | 4.6   | 6.8   |

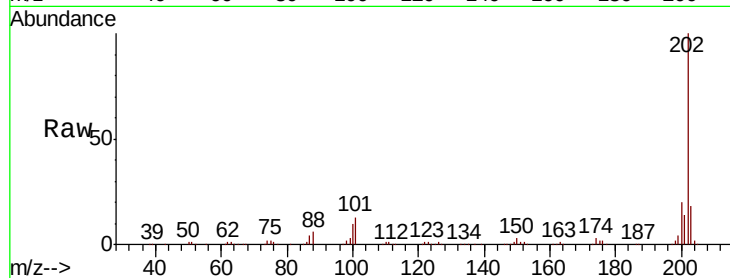




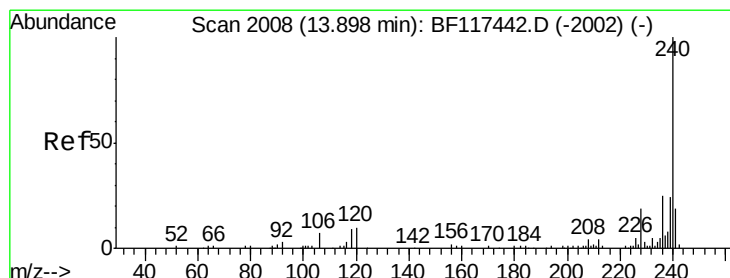
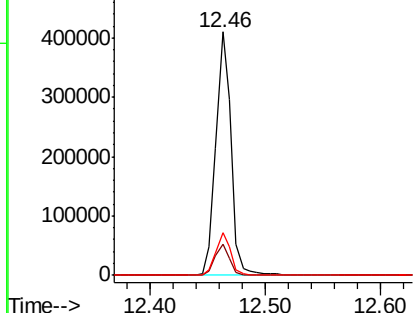
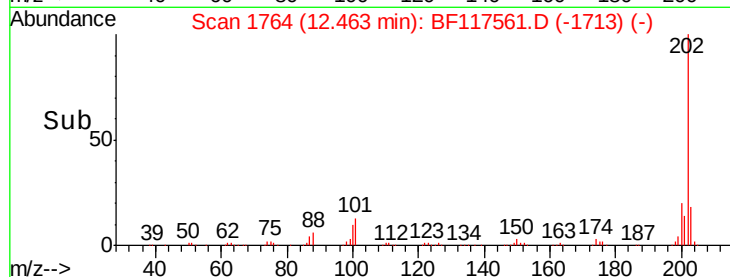
#75  
 Fluoranthene  
 Concen: 45.594 ng  
 RT: 12.46 min Scan# 1764  
 Delta R.T. 0.00 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Instrument :  
 BNA\_E  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.9  | 0.0   | 32.7  |
| 203     | 17.6  | 0.0   | 37.6  |

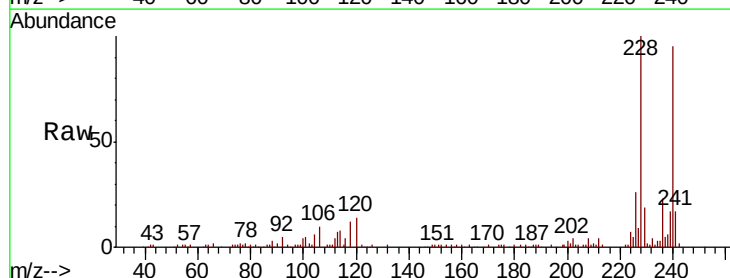


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

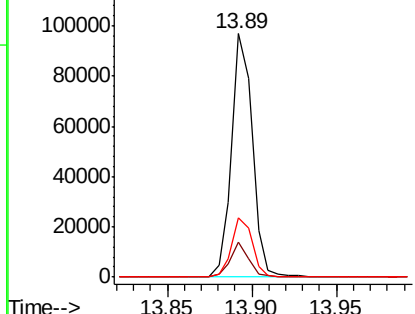
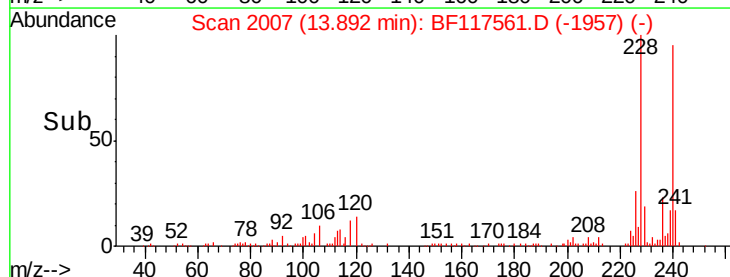


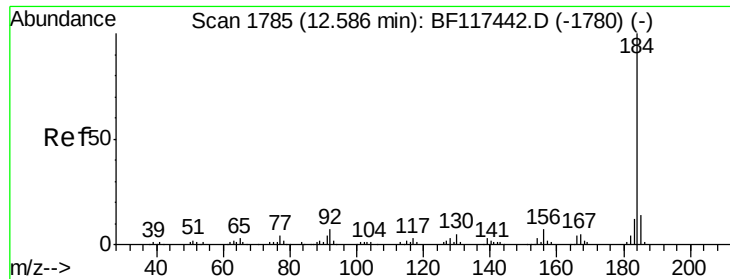
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.89 min Scan# 2007  
 Delta R.T. -0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.3  | 8.4   | 12.6# |
| 236     | 24.2  | 20.0  | 30.0  |



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: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

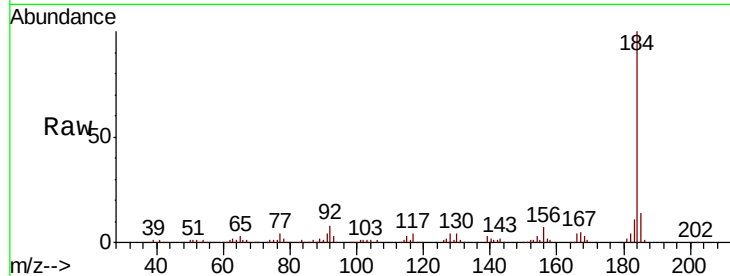
Instrument :

BNA\_E

ClientSampleId :

Tot Ion:184 Resp: 172347

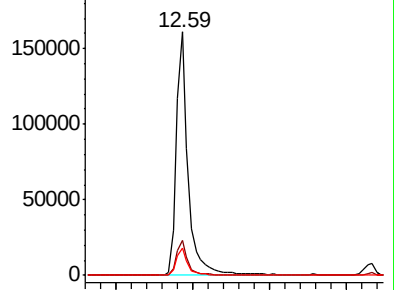
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.4  | 11.4  | 17.0  |
| 183 | 11.3  | 9.6   | 14.4  |



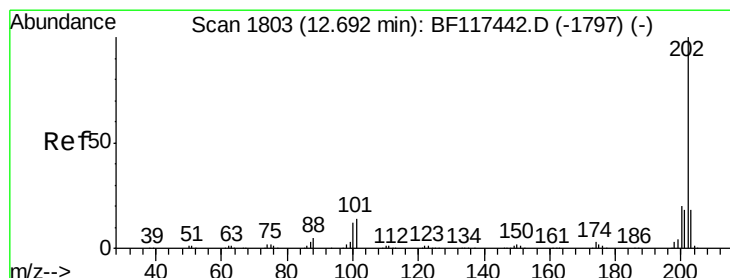
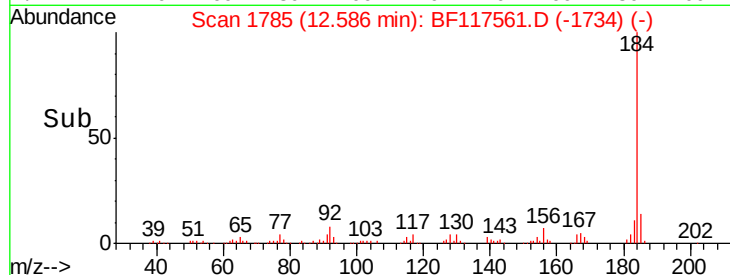
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Pyrene

Concen: 52.764 ng

RT: 12.69 min Scan# 1803

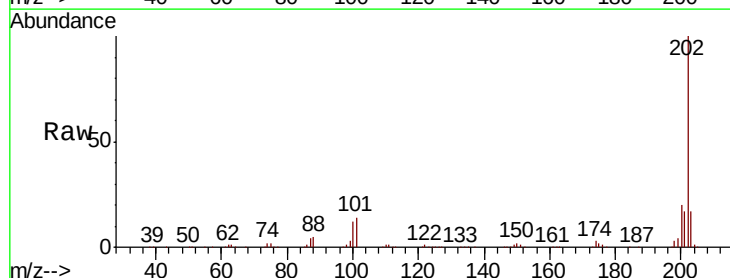
Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Tgt Ion:202 Resp: 374532

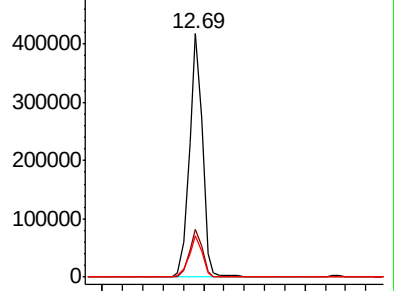
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 19.7  | 16.2  | 24.2  |
| 203 | 17.1  | 14.0  | 21.0  |



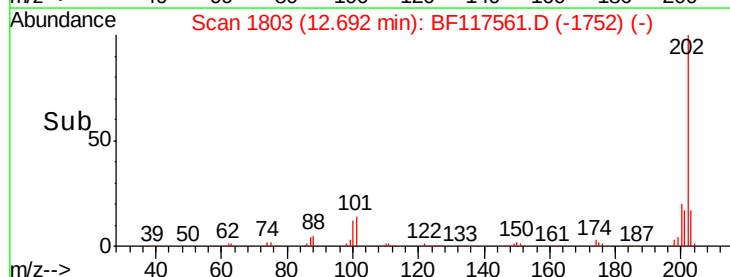
Abundance Ion 202.00 (201.70 to 202.70): E

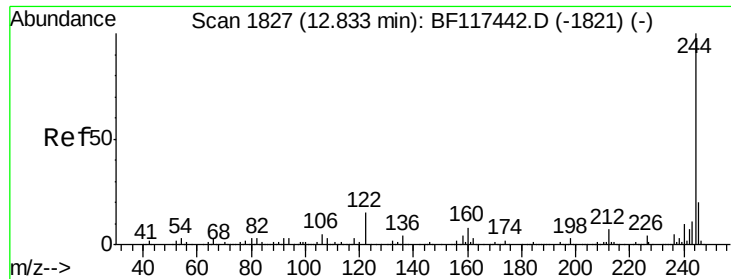
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

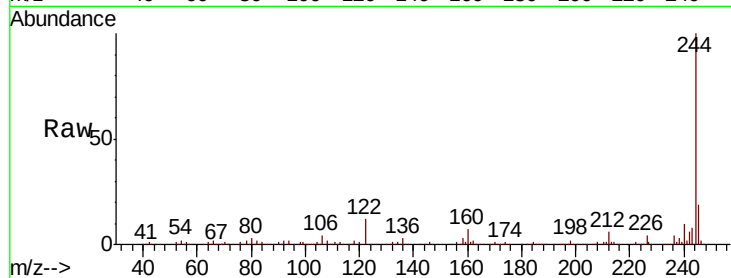




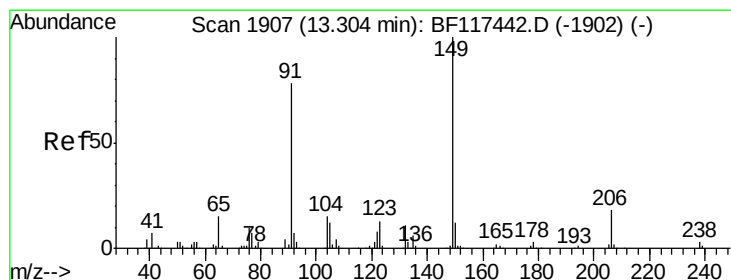
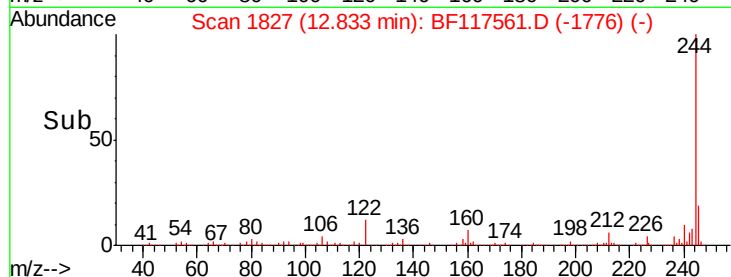
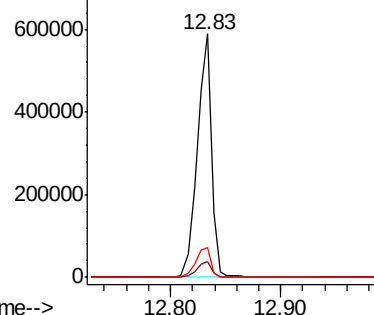
#79  
 Terphenyl-d14  
 Concen: 105.126 ng  
 RT: 12.83 min Scan# 1827  
 Delta R.T. 0.00 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:244 Resp: 532613  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.8 8.6  
 122 12.3 11.8 17.8

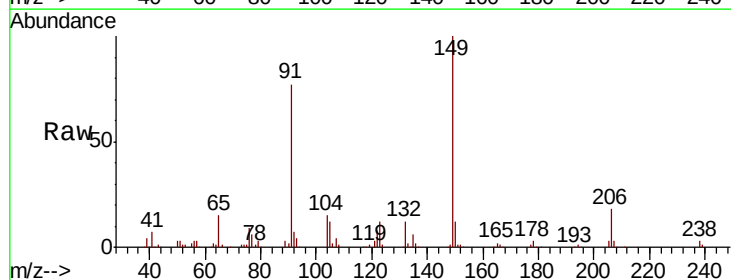


Abundance Ion 244.00 (243.70 to 244.70): E  
 800000 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

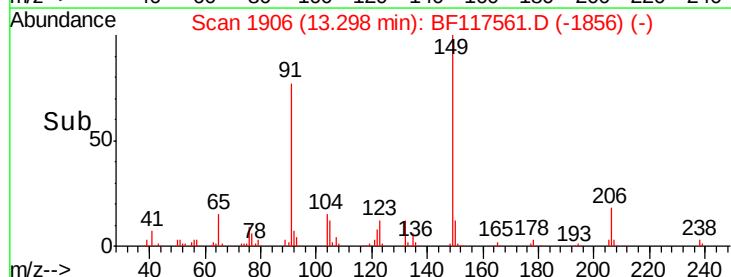
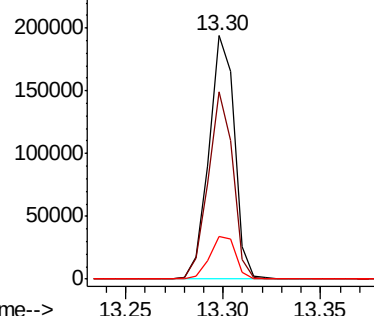


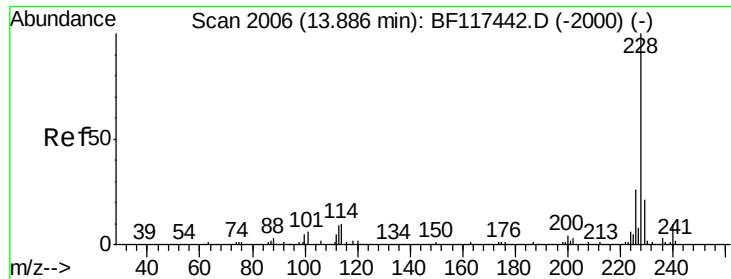
#80  
 Butylbenzylphthalate  
 Concen: 49.888 ng  
 RT: 13.30 min Scan# 1906  
 Delta R.T. -0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Tgt Ion:149 Resp: 176218  
 Ion Ratio Lower Upper  
 149 100  
 91 77.0 62.1 93.1  
 206 17.6 14.3 21.5



Abundance Ion 149.00 (148.70 to 149.70): E  
 250000 Ion 91.00 (90.70 to 91.70): BF1  
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 46.352 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampleId :

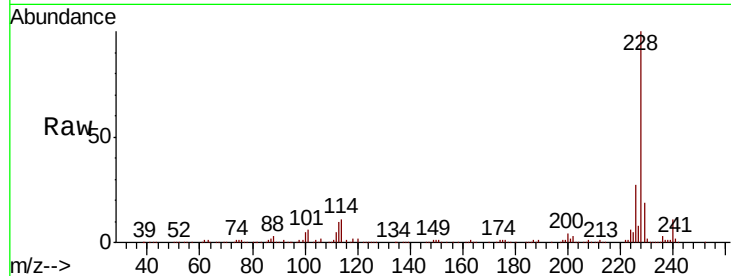
Tot Ion:228 Resp: 258381

Ion Ratio Lower Upper

228 100

226 26.7 21.0 31.4

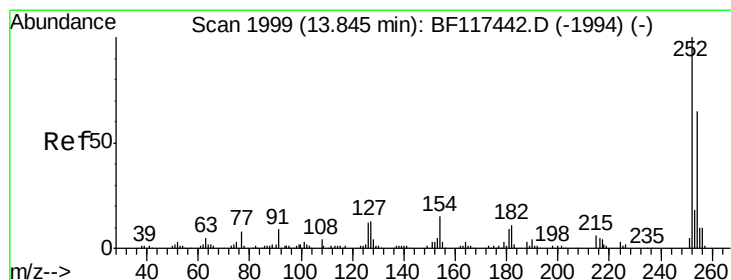
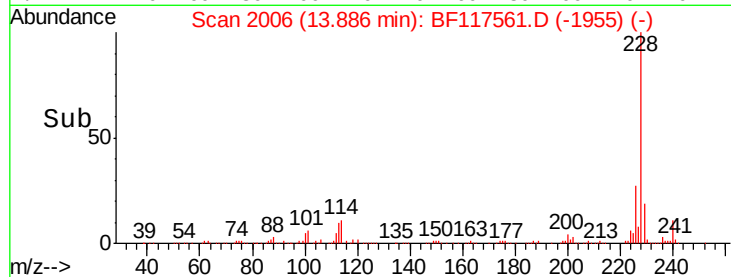
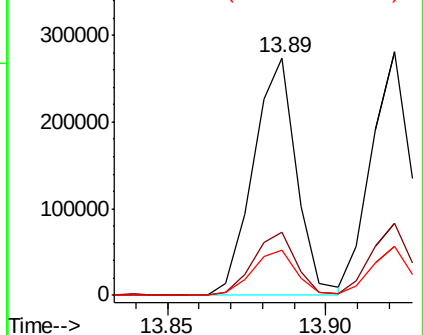
229 19.0 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 33.958 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

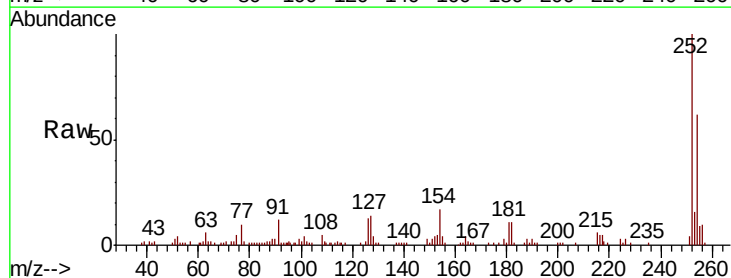
Tgt Ion:252 Resp: 59399

Ion Ratio Lower Upper

252 100

254 61.8 52.2 78.4

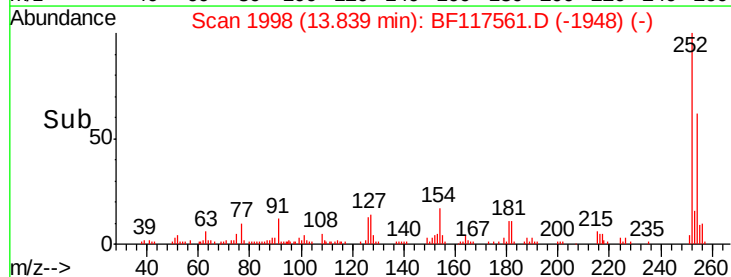
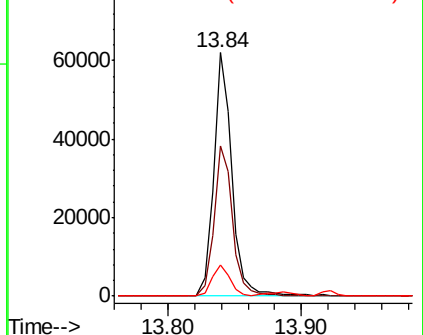
126 12.9 9.2 13.8

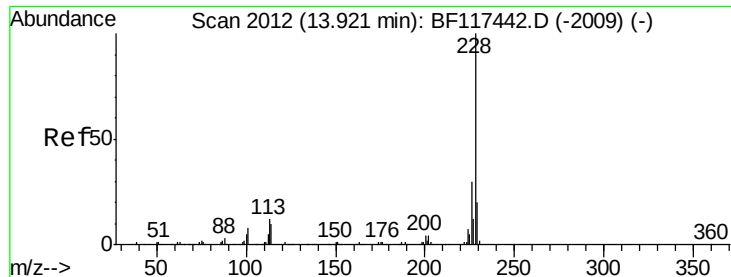


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

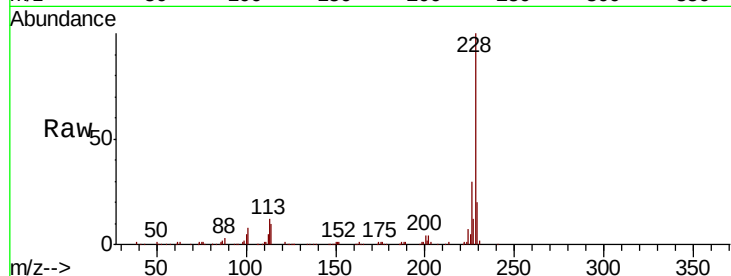




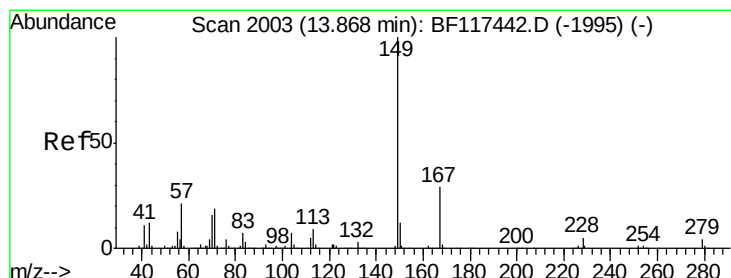
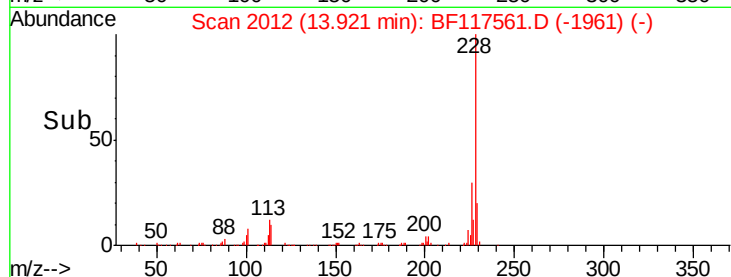
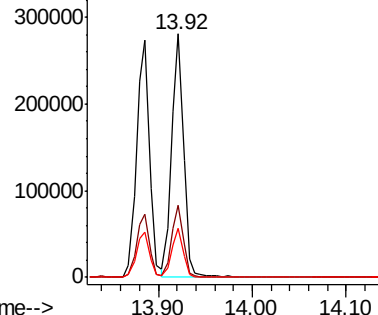
#83  
 Chrysene  
 Concen: 45.811 ng  
 RT: 13.92 min Scan# 2012  
 Delta R.T. 0.00 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

Instrument :  
 BNA\_E  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.8  | 23.9  | 35.9  |
| 229     | 20.0  | 15.8  | 23.6  |

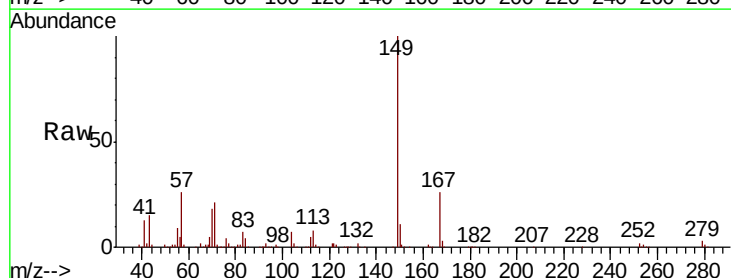


Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

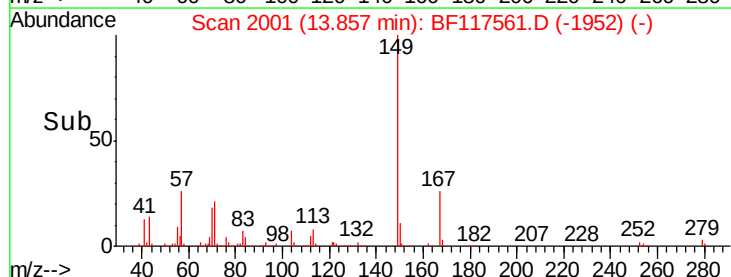
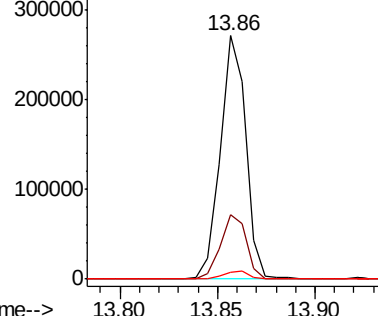


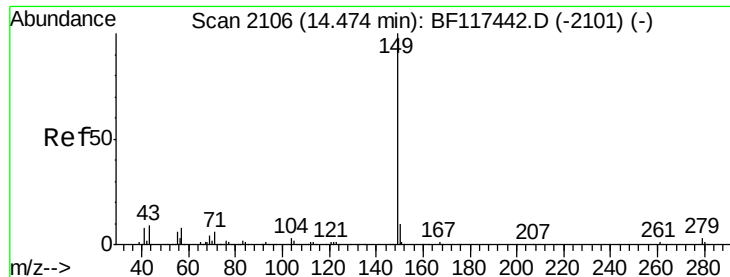
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 49.642 ng  
 RT: 13.86 min Scan# 2001  
 Delta R.T. -0.01 min  
 Lab File: BF117561.D  
 Acq: 28 Oct 2019 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.2  | 23.3  | 34.9  |
| 279     | 3.0   | 3.2   | 4.8#  |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 47.889 ng

RT: 14.47 min Scan# 2105

Delta R.T. -0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

Instrument :

BNA\_E

ClientSampleId :

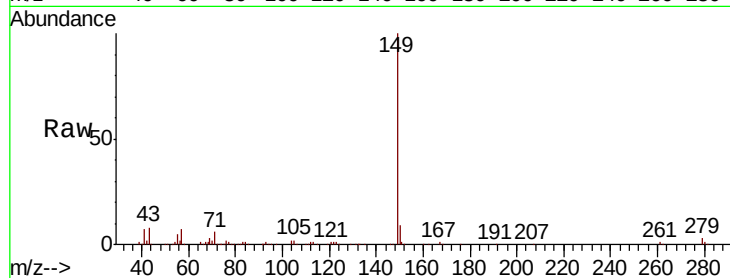
Tot Ion:149 Resp: 364319

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

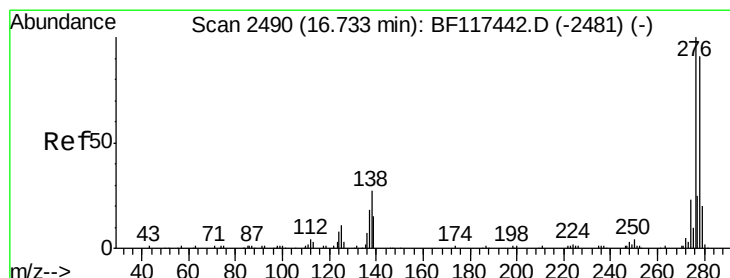
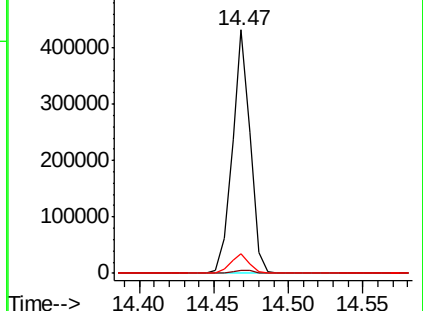
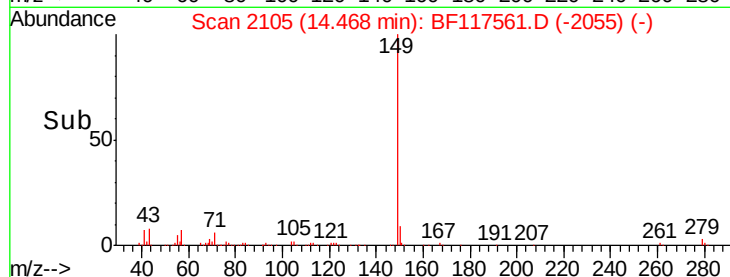
43 8.4 6.8 10.2



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): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 57.023 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BF117561.D

Acq: 28 Oct 2019 15:10

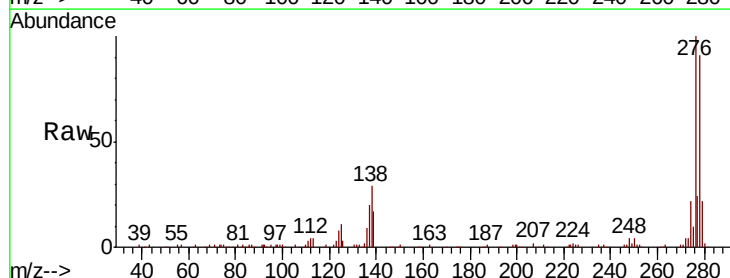
Tgt Ion:276 Resp: 232587

Ion Ratio Lower Upper

276 100

138 27.6 21.8 32.8

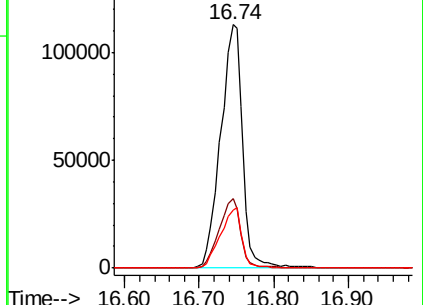
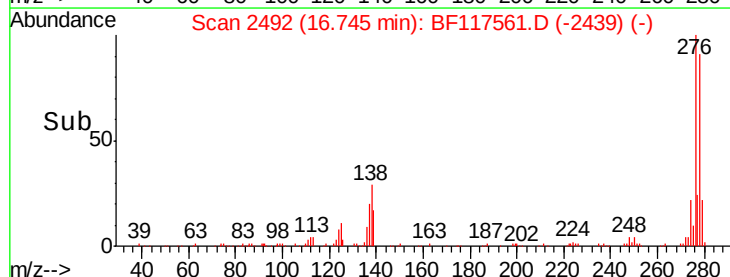
277 24.2 20.0 30.0

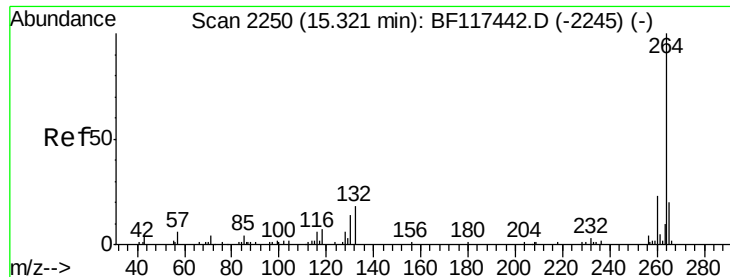


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



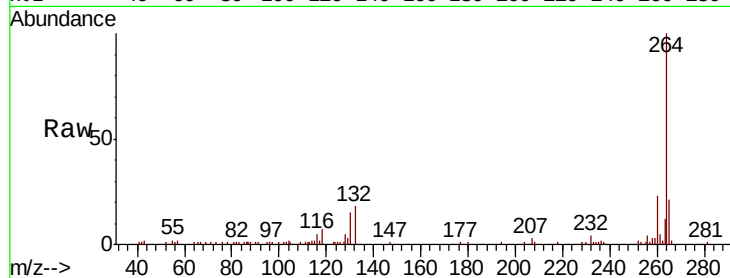


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.33 min Scan# 2251  
Delta R.T. 0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

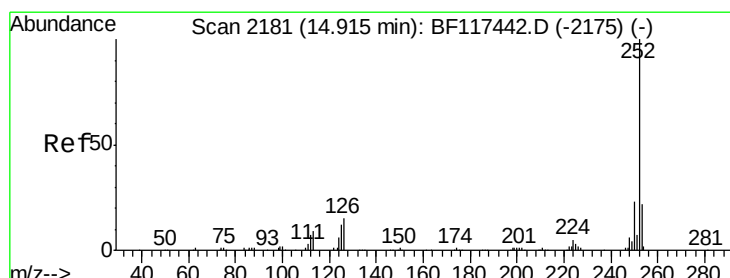
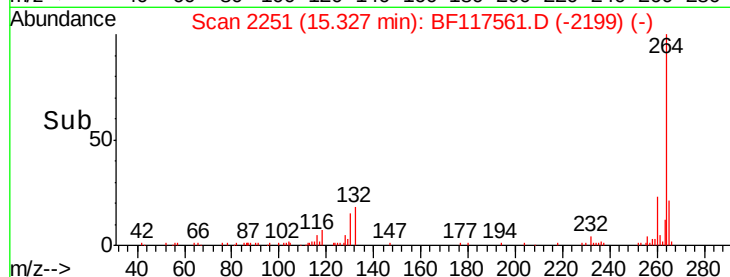
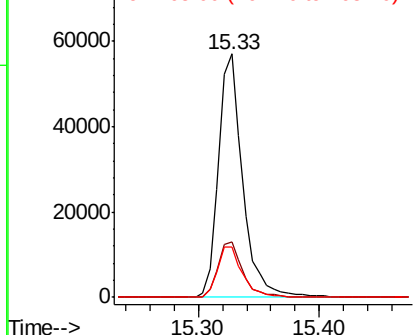
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:264 Resp: 78670  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.0  | 18.4  | 27.6  |
| 265 | 20.8  | 16.1  | 24.1  |



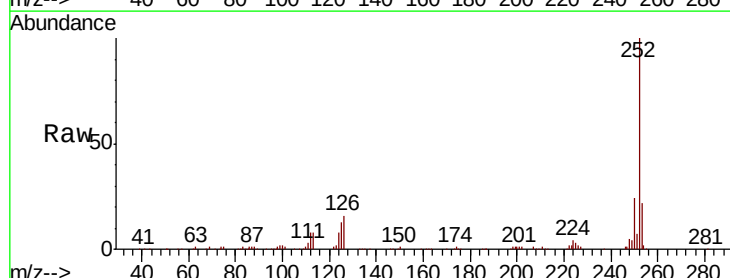
Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



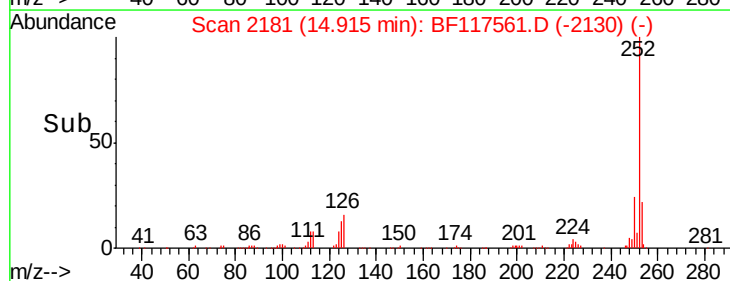
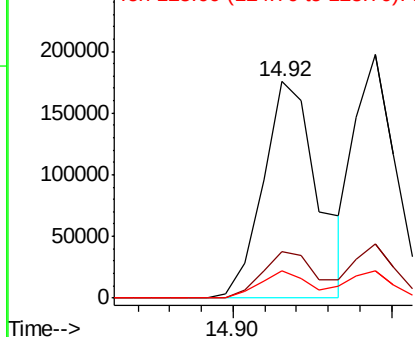
#88  
Benzo(b)fluoranthene  
Concen: 45.597 ng  
RT: 14.92 min Scan# 2181  
Delta R.T. 0.00 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Tgt Ion:252 Resp: 211823  

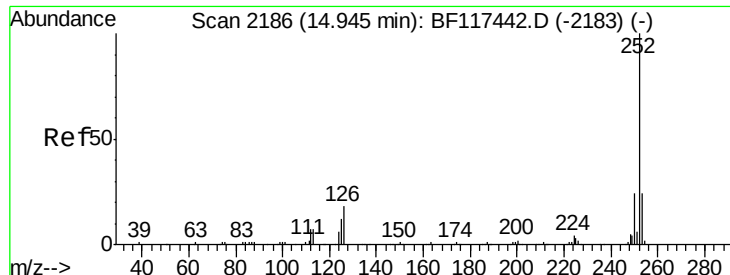
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.6  | 17.8  | 26.6  |
| 125 | 12.7  | 9.9   | 14.9  |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



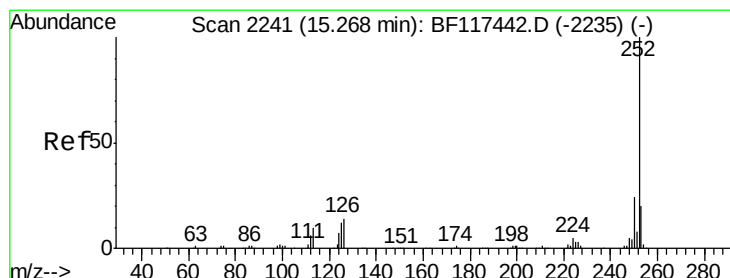
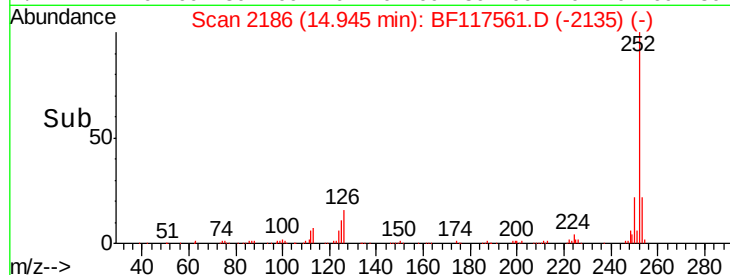
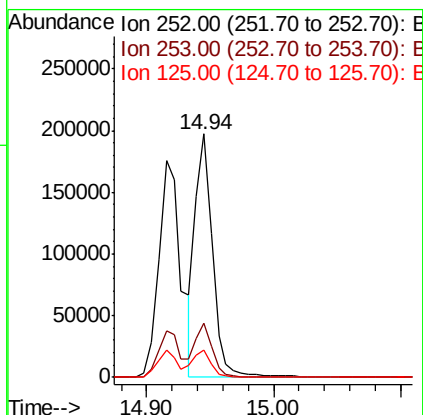
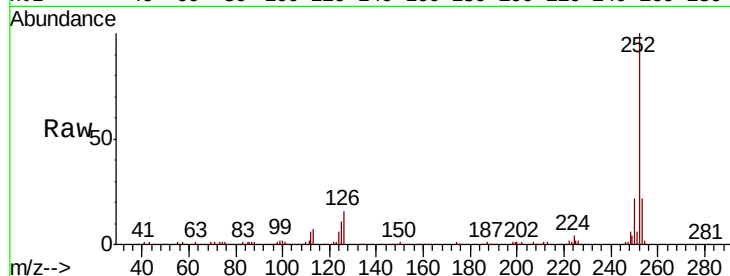




#89  
Benzo(k)fluoranthene  
Concen: 38.772 ng  
RT: 14.94 min Scan# 2186  
Delta R.T. 0.00 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

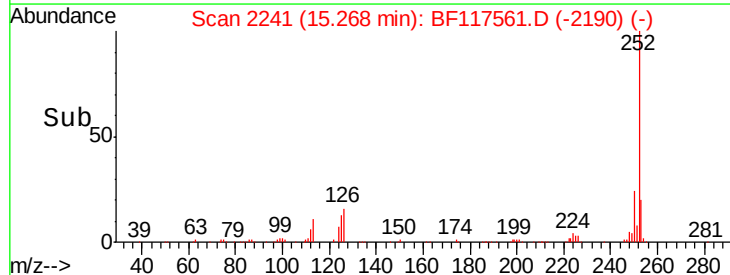
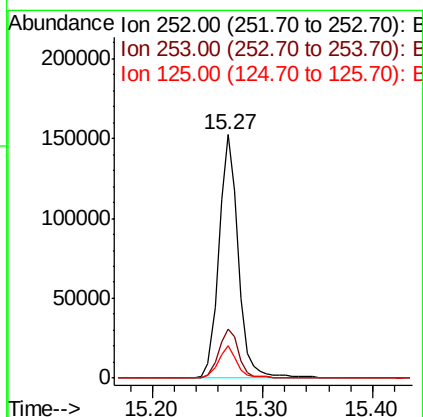
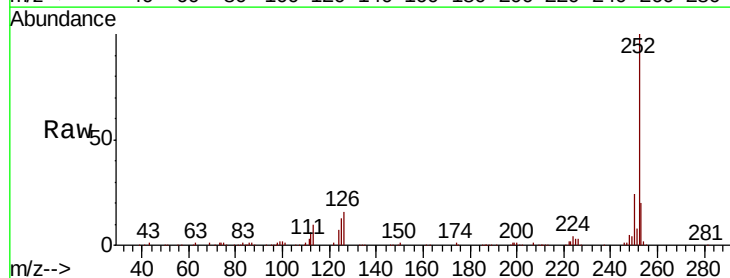
Instrument :  
BNA\_E  
ClientSampled :

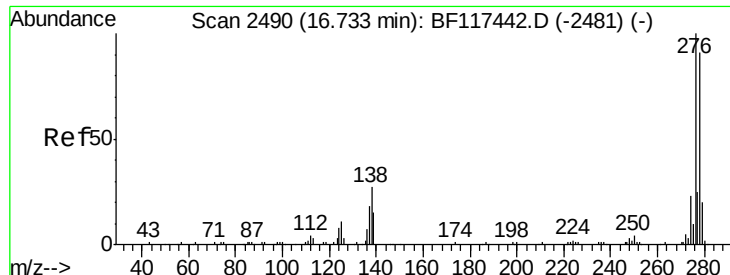
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 18.0  | 27.0  |
| 125     | 11.1  | 8.9   | 13.3  |



#90  
Benzo(a)pyrene  
Concen: 43.949 ng  
RT: 15.27 min Scan# 2241  
Delta R.T. 0.00 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 20.4  | 16.3  | 24.5  |
| 125     | 13.2  | 9.2   | 13.8  |

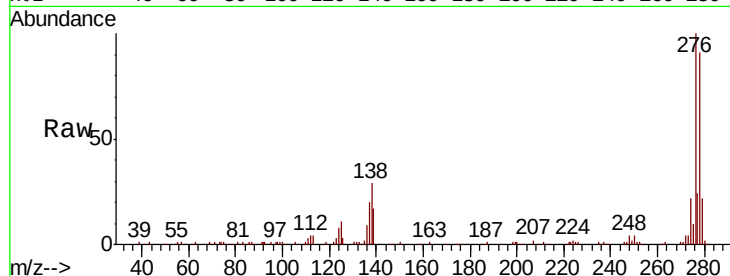




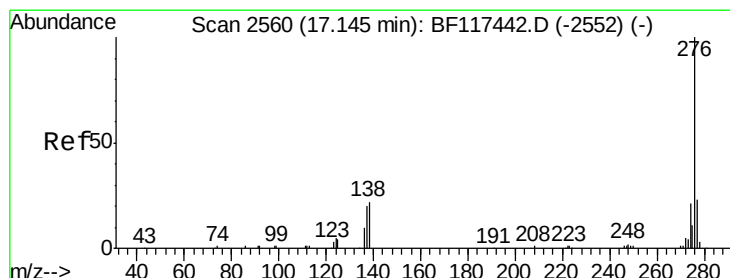
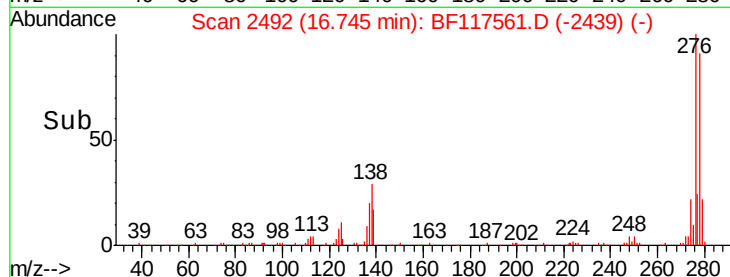
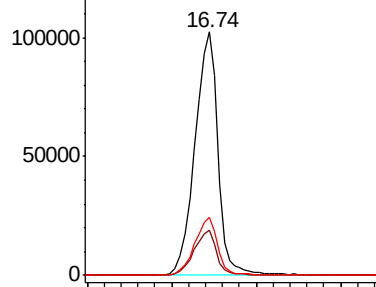
#91  
Dibenzo(a,h)anthracene  
Concen: 52.640 ng  
RT: 16.74 min Scan# 2492  
Delta R.T. 0.01 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

Instrument :  
BNA\_E  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.3  | 13.4  | 20.0  |
| 279     | 23.8  | 17.8  | 26.6  |

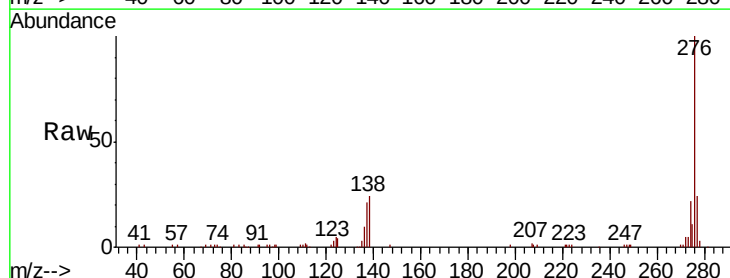


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 56.436 ng  
RT: 17.17 min Scan# 2564  
Delta R.T. 0.02 min  
Lab File: BF117561.D  
Acq: 28 Oct 2019 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 18.4  | 27.6  |
| 138     | 23.9  | 17.8  | 26.6  |



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 277.00 (276.70 to 277.70): E  
Ion 138.00 (137.70 to 138.70): E

