

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041219\  
 Data File : BF113753.D  
 Acq On : 12 Apr 2019 22:23  
 Operator : JU/SJ  
 Sample : K2374-02MS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 13 01:18:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.67  | 152  | 113563   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.96  | 136  | 417523   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.70  | 164  | 200419   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.19 | 188  | 380582   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 13.82 | 240  | 249059   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 15.23 | 264  | 290484   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.29  | 112  | 771278   | 115.81 | ng    | 0.00     |
| 7) Phenol-d6                | 6.33  | 99   | 948221   | 115.52 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.25  | 82   | 534334   | 74.96  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330  | 256644   | 106.60 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.03  | 172  | 1018553  | 81.82  | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.76 | 244  | 987970   | 80.76  | ng    | -0.03    |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.34 | 88   | 105035   | 33.300 | ng    | 98     |
| 3) Pyridine                    | 3.07 | 79   | 239460   | 29.010 | ng    | 99     |
| 4) n-Nitrosodimethylamine      | 2.99 | 42   | 122433   | 34.909 | ng    | 99     |
| 6) Aniline                     | 6.35 | 93   | 228769   | 22.994 | ng    | # 65   |
| 8) 2-Chlorophenol              | 6.47 | 128  | 279496   | 36.274 | ng    | 94     |
| 9) Benzaldehyde                | 6.23 | 77   | 108740   | 22.280 | ng    | 99     |
| 10) Phenol                     | 6.35 | 94   | 346786   | 36.992 | ng    | 85     |
| 11) bis(2-Chloroethyl)ether    | 6.41 | 93   | 271511   | 37.233 | ng    | 100    |
| 12) 1,3-Dichlorobenzene        | 6.61 | 146  | 296684   | 35.755 | ng    | 100    |
| 13) 1,4-Dichlorobenzene        | 6.69 | 146  | 304920   | 36.364 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 6.85 | 146  | 282419   | 37.313 | ng    | 97     |
| 15) Benzyl Alcohol             | 6.83 | 79   | 187938   | 33.863 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.95 | 45   | 396447   | 34.927 | ng    | # 45   |
| 17) 2-Methylphenol             | 6.95 | 107  | 218430   | 36.580 | ng    | # 90   |
| 18) Hexachloroethane           | 7.18 | 117  | 107917   | 35.358 | ng    | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.09 | 70   | 187721   | 37.088 | ng    | 97     |
| 20) 3+4-Methylphenols          | 7.11 | 107  | 288315   | 39.849 | ng    | 89     |
| 22) Acetophenone               | 7.09 | 105  | 384381   | 41.916 | ng    | 98     |
| 24) Nitrobenzene               | 7.26 | 77   | 270760   | 36.885 | ng    | 100    |
| 25) Isophorone                 | 7.50 | 82   | 503821   | 36.692 | ng    | 99     |
| 26) 2-Nitrophenol              | 7.58 | 139  | 144799   | 36.651 | ng    | 97     |
| 27) 2,4-Dimethylphenol         | 7.63 | 122  | 244732   | 43.330 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.71 | 93   | 319365   | 36.788 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 7.84 | 162  | 242326   | 40.100 | ng    | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.90 | 180  | 249171   | 37.969 | ng    | 98     |
| 31) Naphthalene                | 7.97 | 128  | 785890   | 38.848 | ng    | 100    |
| 32) Benzoic acid               | 7.76 | 122  | 21607    | 4.940  | ng    | 89     |
| 33) 4-Chloroaniline            | 8.06 | 127  | 64131    | 7.995  | ng    | 99     |
| 34) Hexachlorobutadiene        | 8.09 | 225  | 147453   | 36.854 | ng    | 99     |
| 35) Caprolactam                | 8.40 | 113  | 60269    | 31.418 | ng    | # 82   |
| 36) 4-Chloro-3-methylphenol    | 8.54 | 107  | 231381   | 38.142 | ng    | 99     |
| 37) 2-Methylnaphthalene        | 8.67 | 142  | 528819   | 39.745 | ng    | 99     |
| 38) 1-Methylnaphthalene        | 8.77 | 142  | 498039   | 38.819 | ng    | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.84 | 216  | 246779   | 38.073 | ng    | 99     |

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 Sample : K2374-02MS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

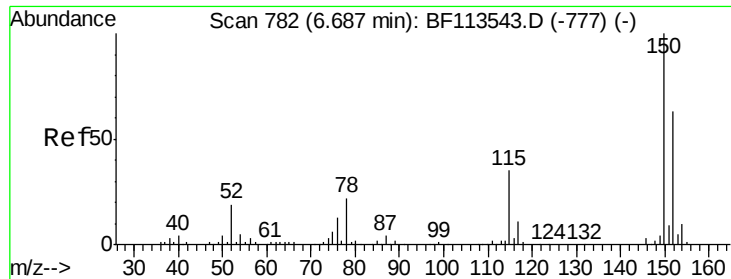
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 13 01:18:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.82  | 237  | 78484    | 42.194 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 8.96  | 196  | 152617   | 37.302 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.02  | 196  | 156377   | 35.601 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.13  | 154  | 637891   | 38.570 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.16  | 162  | 476997   | 38.093 | ng    | 98       |
| 48) 2-Nitroaniline             | 9.26  | 65   | 148610   | 38.786 | ng    | 100      |
| 49) Acenaphthylene             | 9.57  | 152  | 761050   | 37.376 | ng    | 99       |
| 50) Dimethylphthalate          | 9.43  | 163  | 636072   | 43.055 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.50  | 165  | 122958   | 37.758 | ng    | 93       |
| 52) Acenaphthene               | 9.74  | 154  | 450653   | 38.664 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.67  | 138  | 89112    | 24.068 | ng    | 91       |
| 54) 2,4-Dinitrophenol          | 9.83  | 184  | 20452    | 13.424 | ng    | 90       |
| 55) Dibenzofuran               | 9.91  | 168  | 672311   | 39.322 | ng    | 99       |
| 56) 4-Nitrophenol              | 9.87  | 139  | 69399    | 30.216 | ng    | 93       |
| 57) 2,4-Dinitrotoluene         | 9.92  | 165  | 155951   | 39.597 | ng    | 97       |
| 58) Fluorene                   | 10.25 | 166  | 528736   | 39.099 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.05 | 232  | 133016   | 34.985 | ng    | 95       |
| 60) Diethylphthalate           | 10.13 | 149  | 544987   | 38.261 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 10.25 | 204  | 263306   | 39.586 | ng    | 91       |
| 62) 4-Nitroaniline             | 10.29 | 138  | 128582   | 34.152 | ng    | 97       |
| 63) Azobenzene                 | 10.40 | 77   | 499409   | 37.030 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 10.33 | 198  | 32953    | 16.447 | ng    | 88       |
| 66) n-Nitrosodiphenylamine     | 10.36 | 169  | 473882   | 40.559 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.73 | 248  | 164531   | 38.546 | ng    | 99       |
| 68) Hexachlorobenzene          | 10.80 | 284  | 184682   | 37.761 | ng    | # 91     |
| 69) Atrazine                   | 10.89 | 200  | 142720   | 38.755 | ng    | 95       |
| 70) Pentachlorophenol          | 11.01 | 266  | 86389    | 37.485 | ng    | 98       |
| 71) Phenanthrene               | 11.21 | 178  | 755404   | 39.944 | ng    | 99       |
| 72) Anthracene                 | 11.26 | 178  | 793682   | 41.250 | ng    | 99       |
| 73) Carbazole                  | 11.42 | 167  | 712553   | 39.596 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.74 | 149  | 825353   | 38.555 | ng    | 100      |
| 75) Fluoranthene               | 12.40 | 202  | 759223   | 37.465 | ng    | 98       |
| 77) Benzidine                  | 12.52 | 184  | 274999   | 29.692 | ng    | 97       |
| 78) Pyrene                     | 12.62 | 202  | 744574   | 39.290 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.23 | 149  | 288027   | 37.338 | ng    | 98       |
| 81) Benzo(a)anthracene         | 13.81 | 228  | 528050   | 36.754 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.77 | 252  | 137764   | 24.895 | ng    | 99       |
| 83) Chrysene                   | 13.84 | 228  | 553327   | 37.992 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.79 | 149  | 365976   | 39.240 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.40 | 149  | 586661   | 38.697 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.60 | 276  | 797104   | 59.278 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.83 | 252  | 619031   | 34.814 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.86 | 252  | 573424   | 35.933 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.17 | 252  | 612728   | 38.779 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.59 | 278  | 668099   | 45.216 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.00 | 276  | 698735   | 46.331 | ng    | 99       |

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



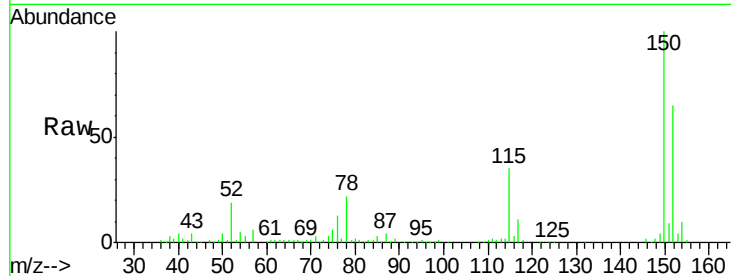


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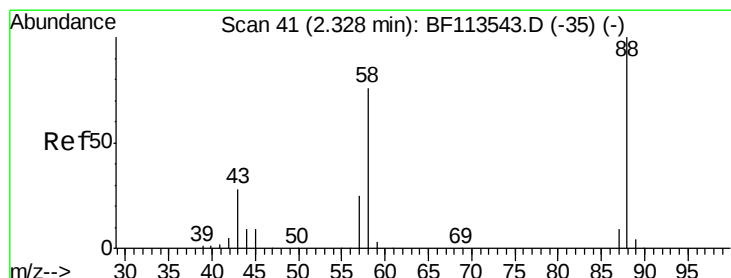
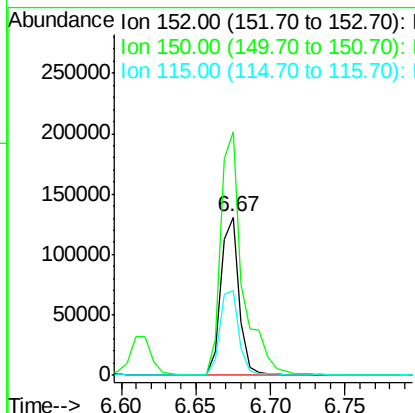
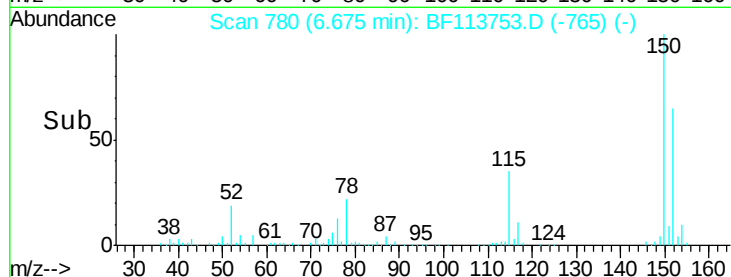
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.67 min Scan# 780  
Delta R.T. -0.01 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 113563  
Ion Ratio Lower Upper  
152 100  
150 154.2 124.7 187.1  
115 53.6 46.0 69.0



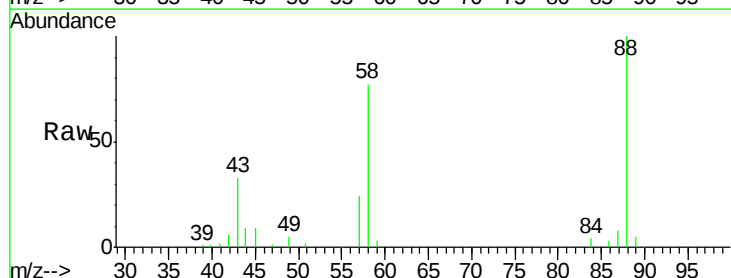
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



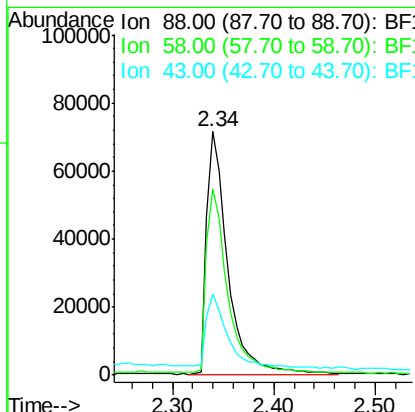
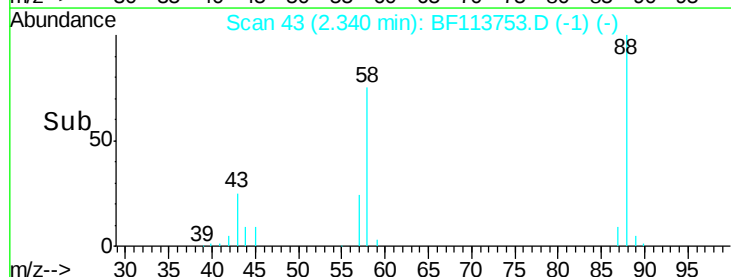
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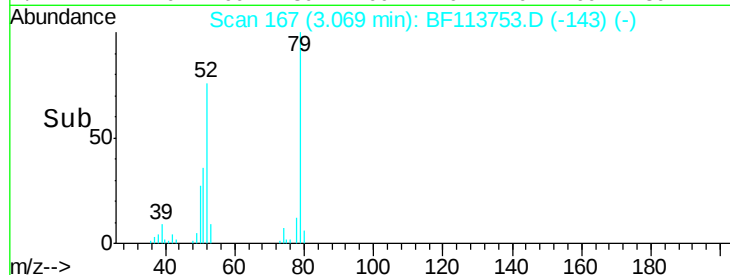
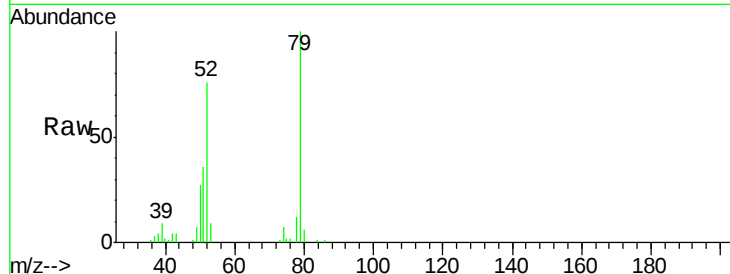
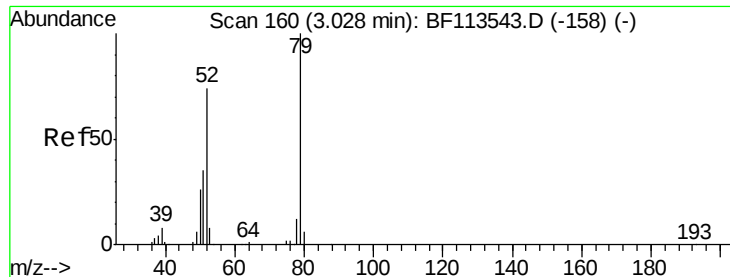
1,4-Dioxane  
Concen: 33.300 ng  
RT: 2.34 min Scan# 43  
Delta R.T. 0.01 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion: 88 Resp: 105035  
Ion Ratio Lower Upper  
88 100  
58 75.9 61.9 92.9  
43 29.4 24.2 36.4



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

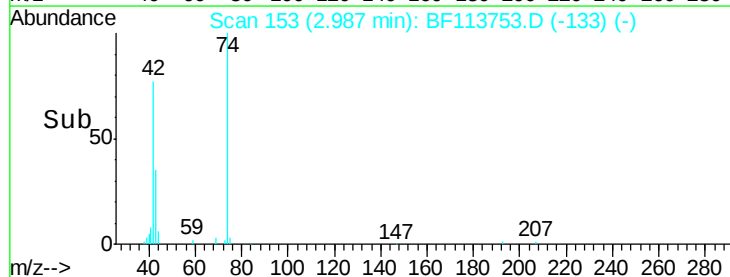
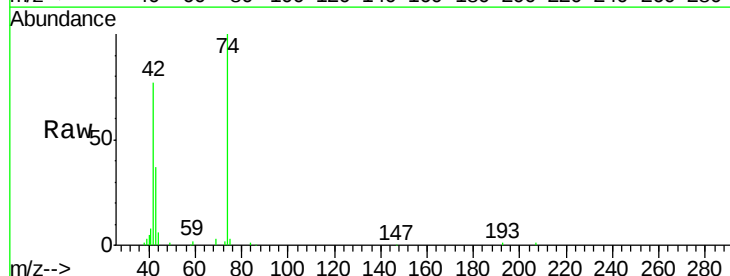
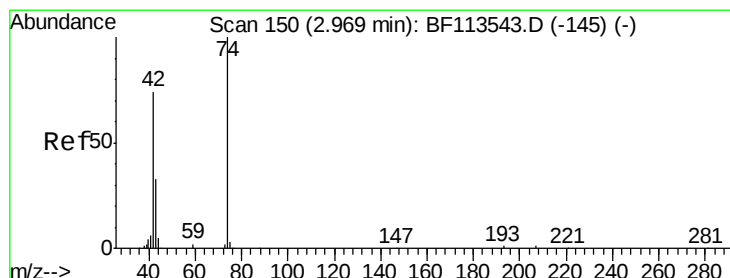
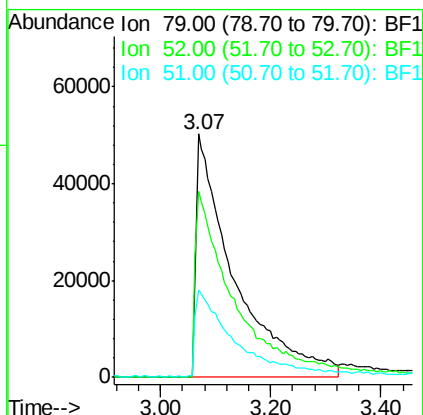




#3  
 Pvridine  
 Concen: 29.010 ng  
 RT: 3.07 min Scan# 167  
 Delta R.T. 0.04 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

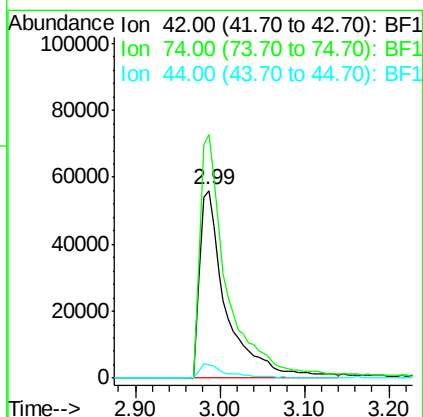
Instrument :  
 BNA\_F  
 ClientSampleId :

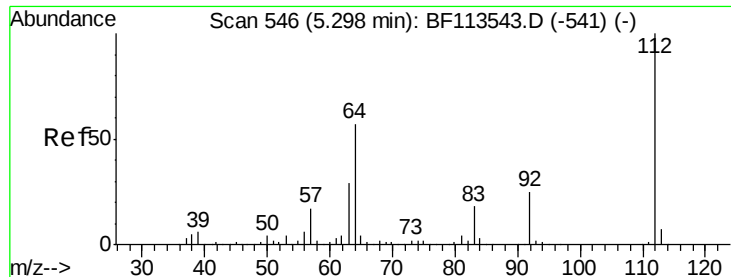
Tot Ion: 79 Resp: 239460  
 Ion Ratio Lower Upper  
 79 100  
 52 76.3 61.0 91.4  
 51 35.7 30.6 45.8



#4  
 n-Nitrosodimethylamine  
 Concen: 34.909 ng  
 RT: 2.99 min Scan# 153  
 Delta R.T. 0.02 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

Tgt Ion: 42 Resp: 122433  
 Ion Ratio Lower Upper  
 42 100  
 74 129.7 102.4 153.6  
 44 7.3 5.5 8.3





#5

2-Fluorophenol

Concen: 115.813 ng

RT: 5.29 min Scan# 545

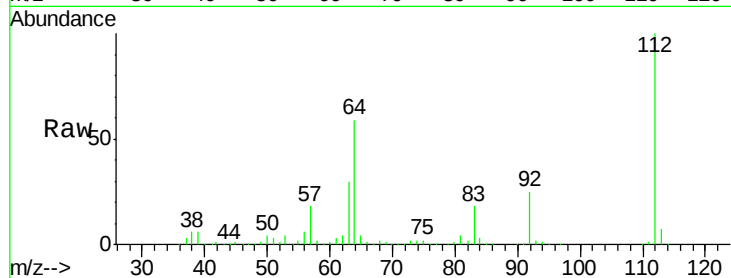
Delta R.T. -0.01 min

Lab File: BF113753.D

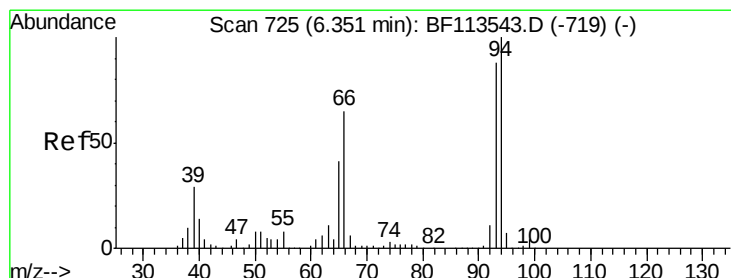
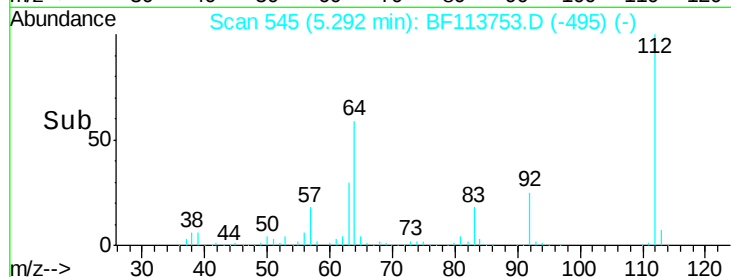
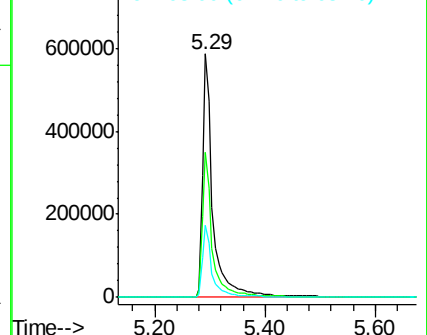
Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 771278 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 59.4  | 49.2  | 73.8   |
| 63       | 29.8  | 24.9  | 37.3   |



Abundance Ion 112.00 (111.70 to 112.70): BF1  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 22.994 ng

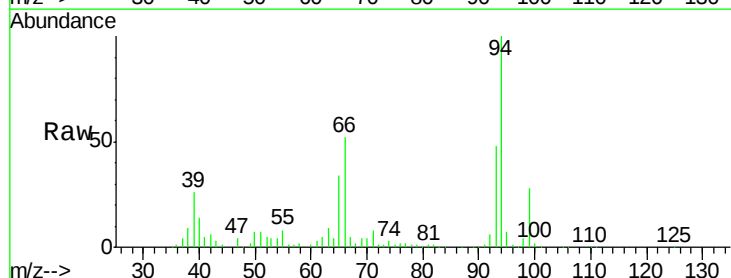
RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

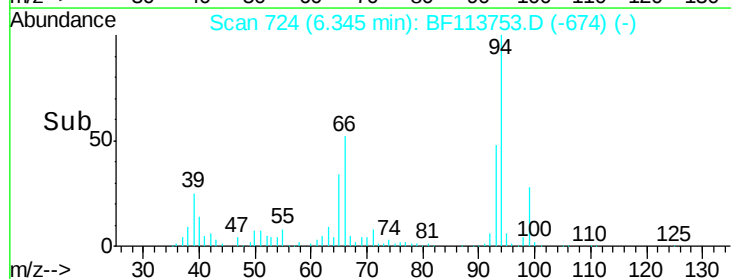
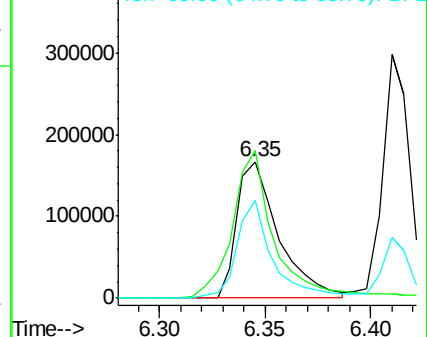
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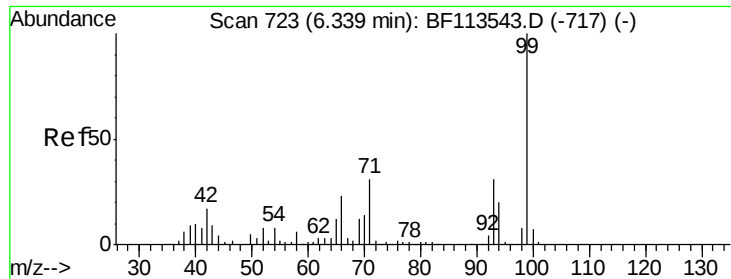
Acq: 12 Apr 2019 22:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 228769 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 108.6 | 62.1  | 93.1#  |
| 65       | 71.9  | 38.7  | 58.1#  |



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: 115.522 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

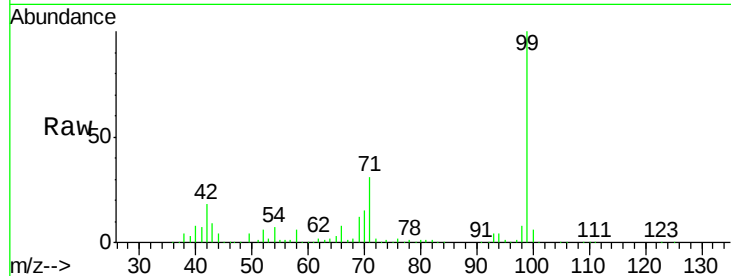
Tot Ion: 99 Resp: 948221

Ion Ratio Lower Upper

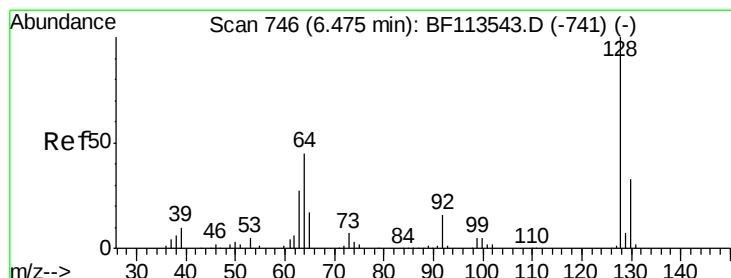
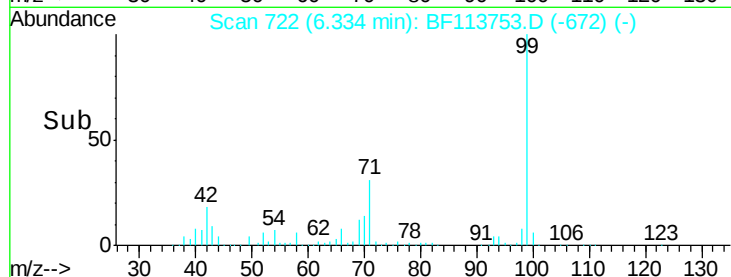
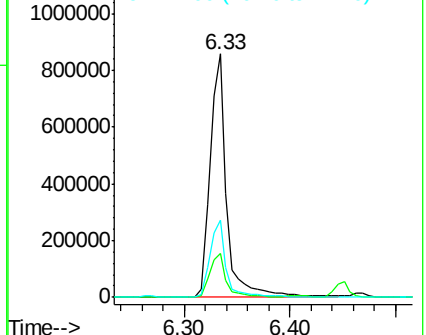
99 100

42 17.9 14.8 22.2

71 31.5 24.9 37.3



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



#8

2-Chlorophenol

Concen: 36.274 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

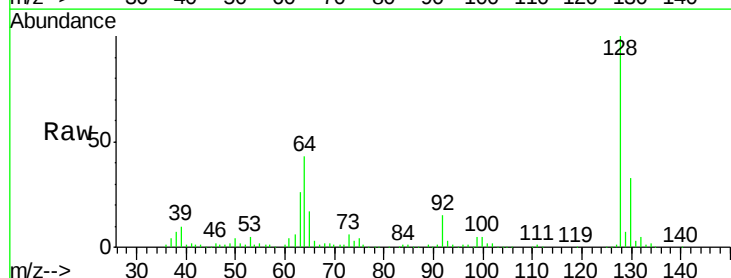
Tgt Ion:128 Resp: 279496

Ion Ratio Lower Upper

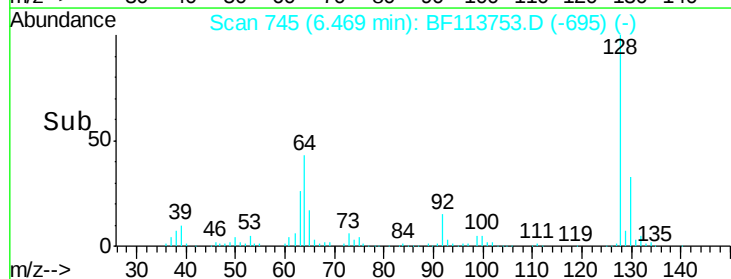
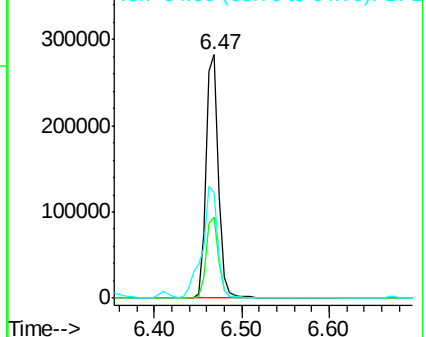
128 100

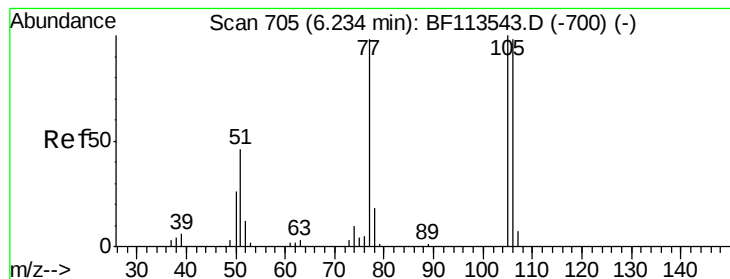
130 33.5 12.6 52.6

64 43.3 29.4 69.4



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





#9

Benzaldehyde

Concen: 22.280 ng

RT: 6.23 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampled :

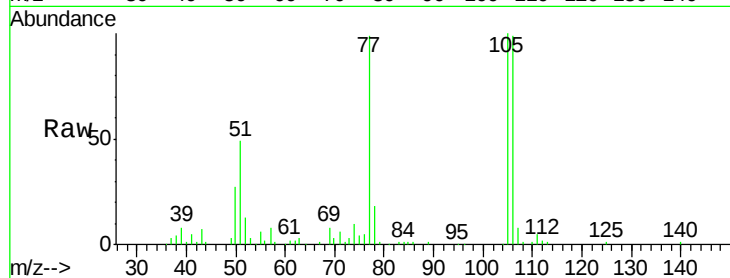
Tot Ion: 77 Resp: 108740

Ion Ratio Lower Upper

77 100

105 100.6 80.9 120.9

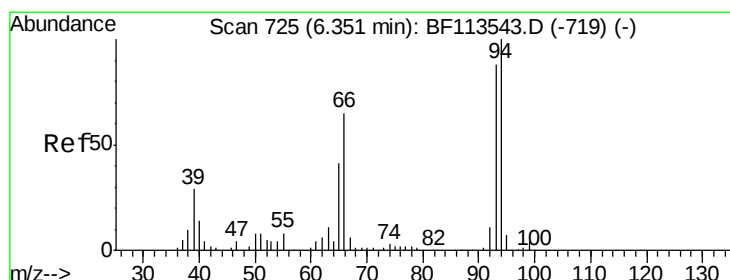
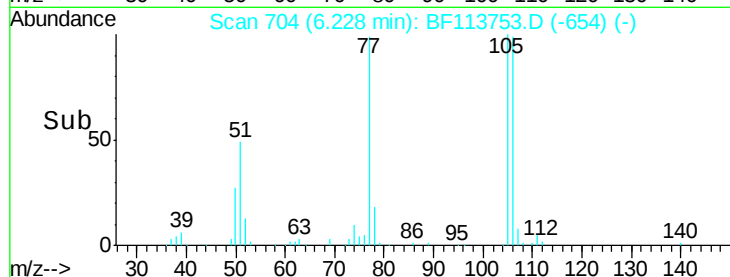
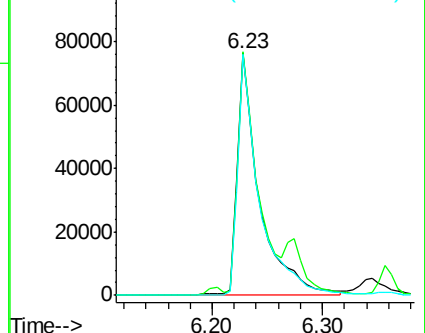
106 99.8 77.8 117.8



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: 36.992 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

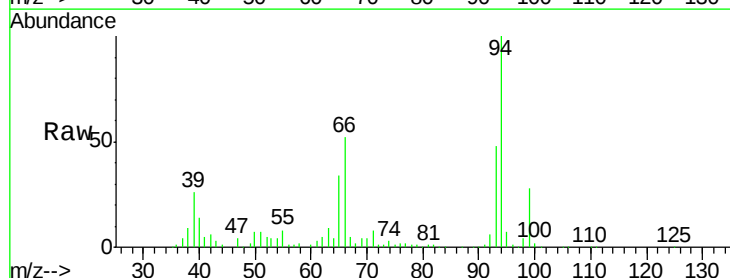
Tgt Ion: 94 Resp: 346786

Ion Ratio Lower Upper

94 100

65 34.4 21.4 61.4

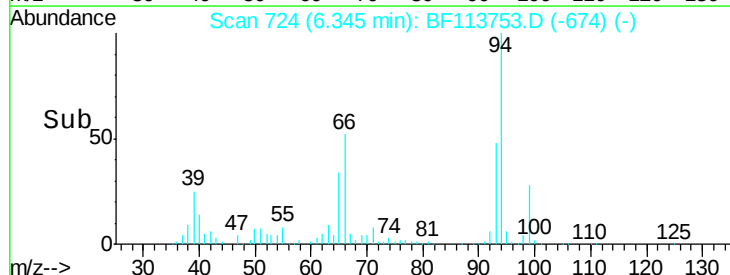
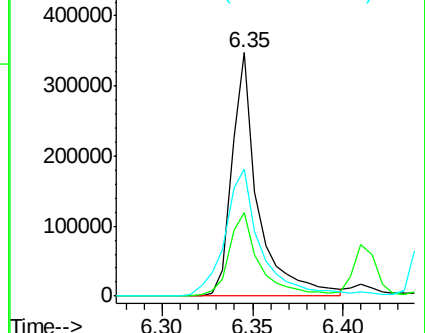
66 52.0 46.4 86.4

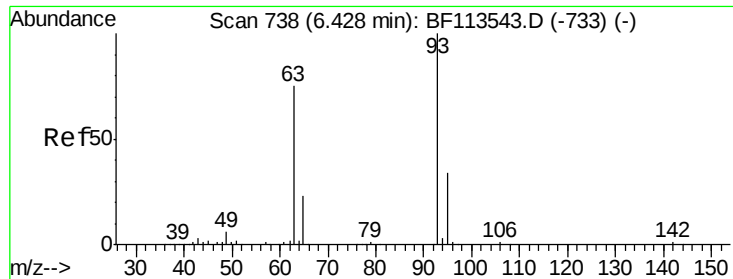


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

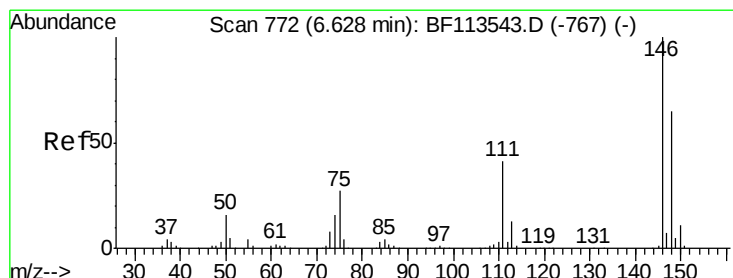
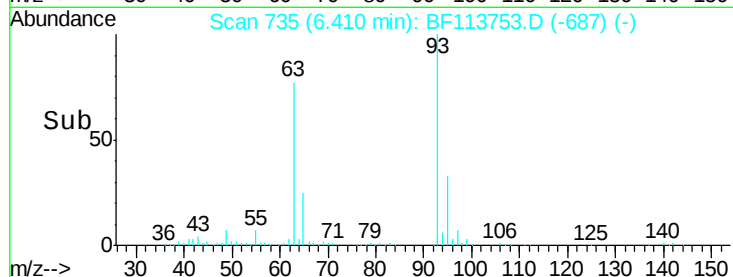
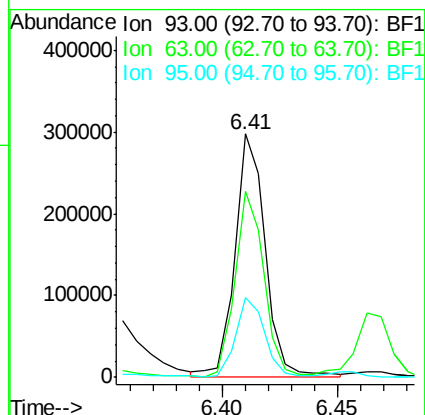
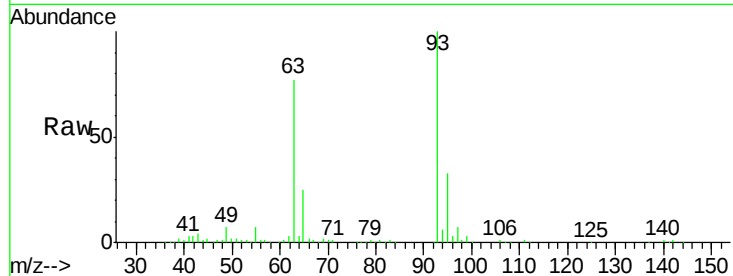




#11  
bis(2-Chloroethyl)ether  
Concen: 37.233 ng  
RT: 6.41 min Scan# 735  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

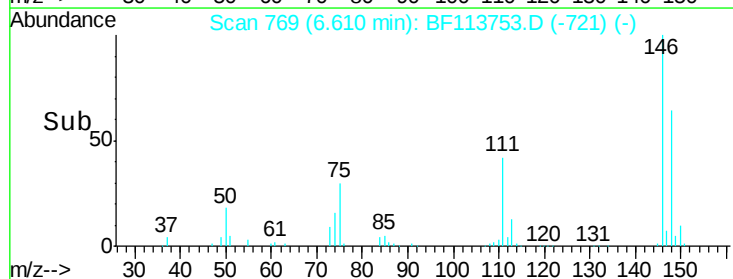
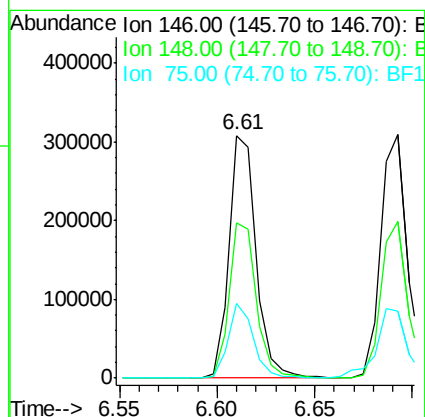
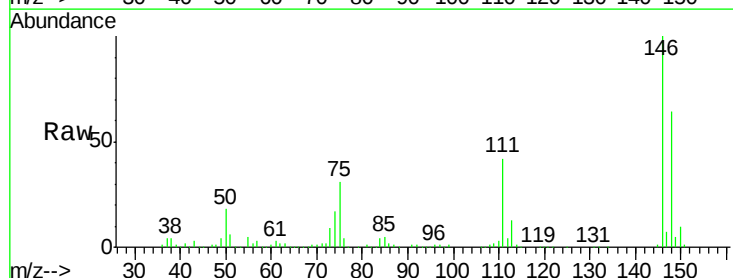
Instrument :  
BNA\_F  
ClientSampleId :

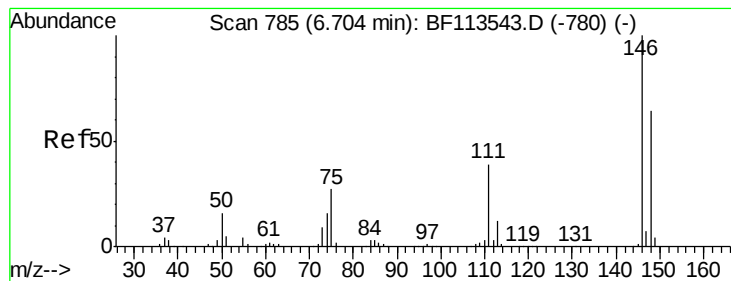
Tot Ion: 93 Resp: 271511  
Ion Ratio Lower Upper  
93 100  
63 76.6 56.1 96.1  
95 32.9 12.8 52.8



#12  
1,3-Dichlorobenzene  
Concen: 35.755 ng  
RT: 6.61 min Scan# 769  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion: 146 Resp: 296684  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.4 77.0  
75 30.6 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 36.364 ng

RT: 6.69 min Scan# 783

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

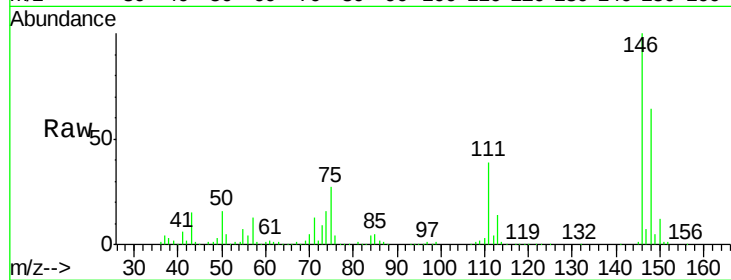
Tot Ion:146 Resp: 304920

Ion Ratio Lower Upper

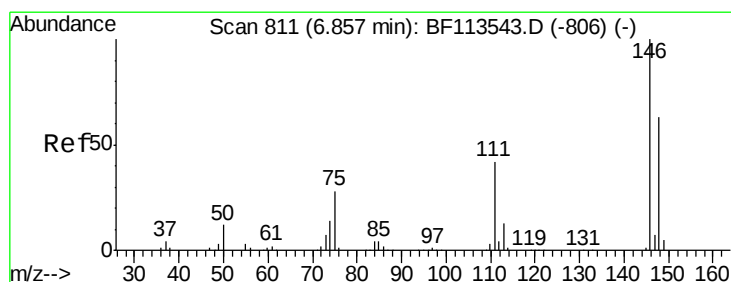
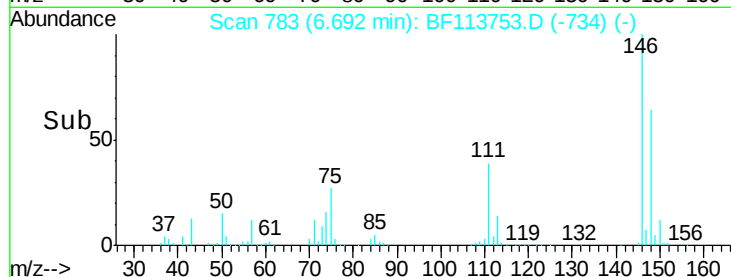
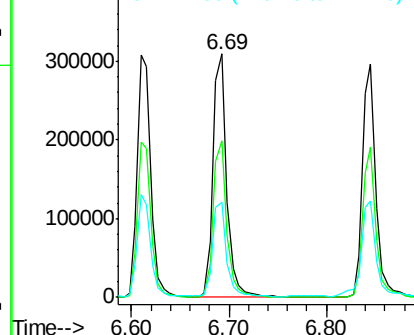
146 100

148 64.1 51.1 76.7

111 39.2 32.8 49.2



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 37.313 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

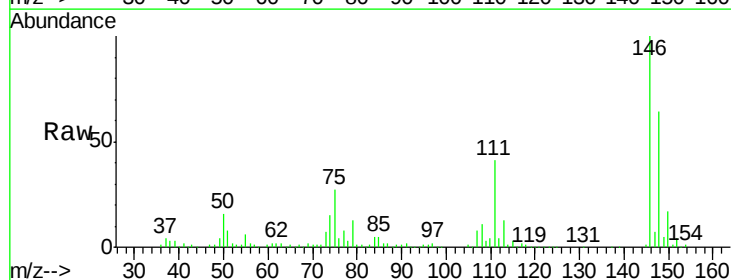
Tgt Ion:146 Resp: 282419

Ion Ratio Lower Upper

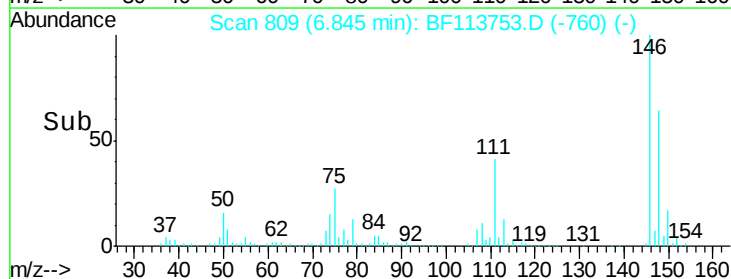
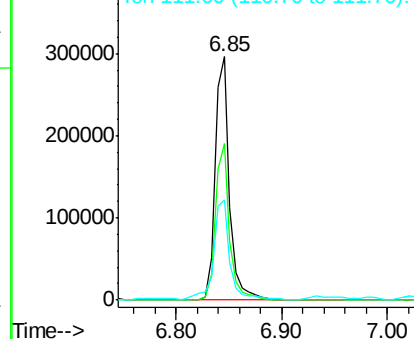
146 100

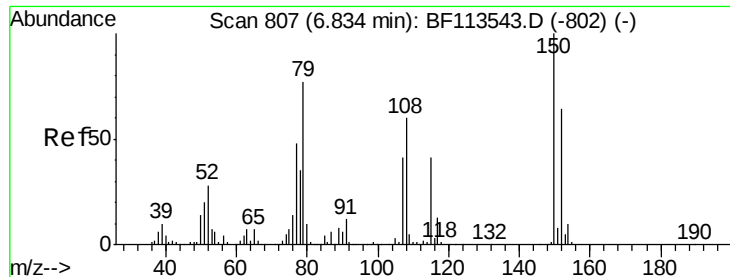
148 64.3 50.2 75.4

111 41.4 35.4 53.2



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 33.863 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

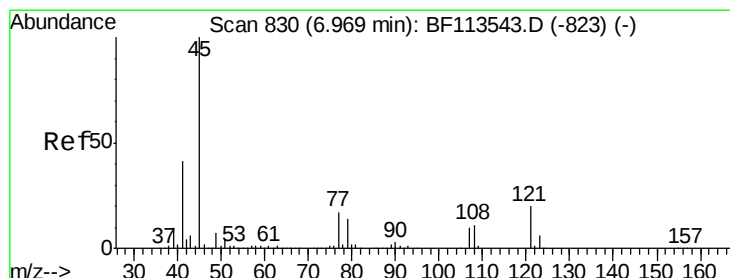
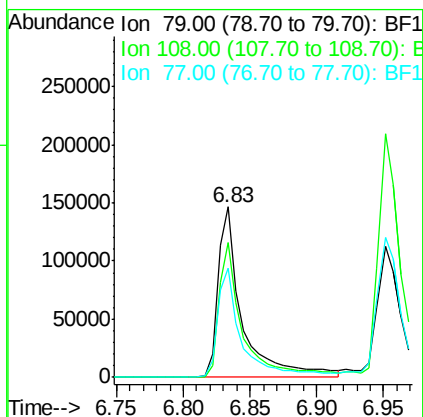
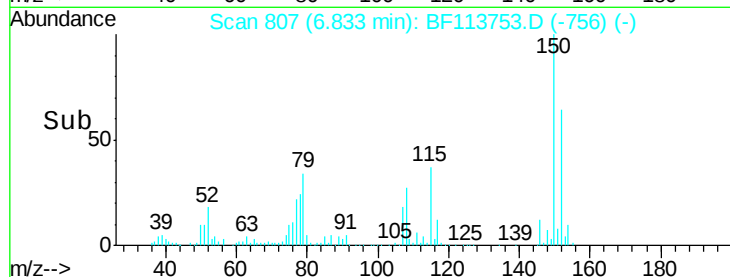
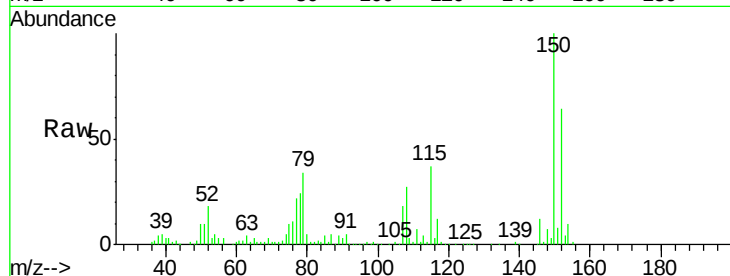
Tot Ion: 79 Resp: 187938

Ion Ratio Lower Upper

79 100

108 79.2 62.0 93.0

77 64.4 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.927 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

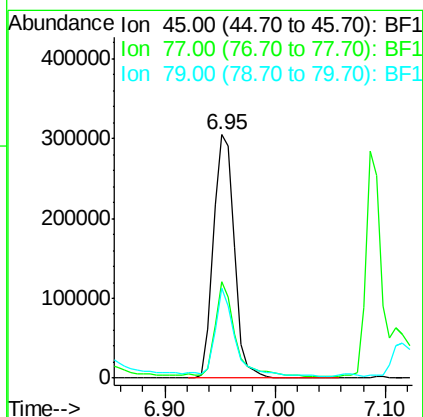
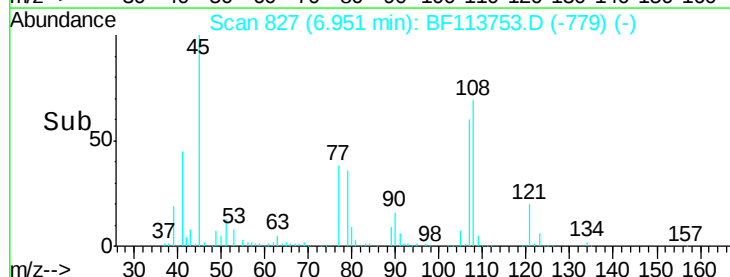
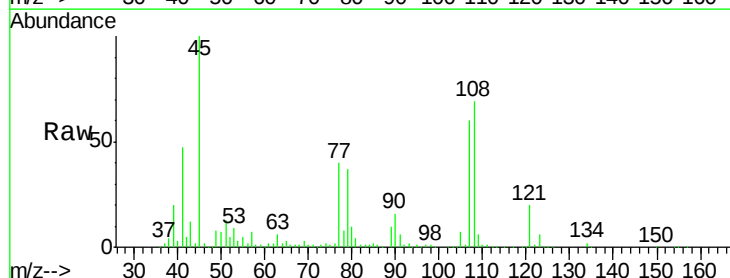
Tgt Ion: 45 Resp: 396447

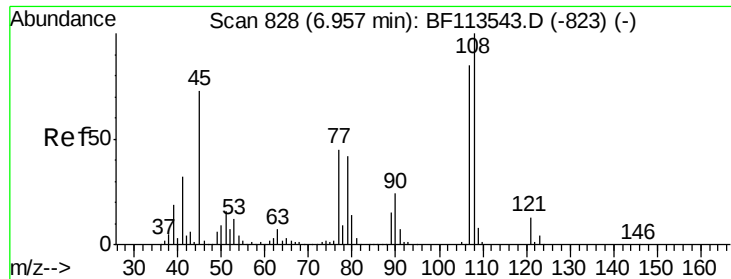
Ion Ratio Lower Upper

45 100

77 39.6 0.0 36.6#

79 36.8 0.0 34.0#

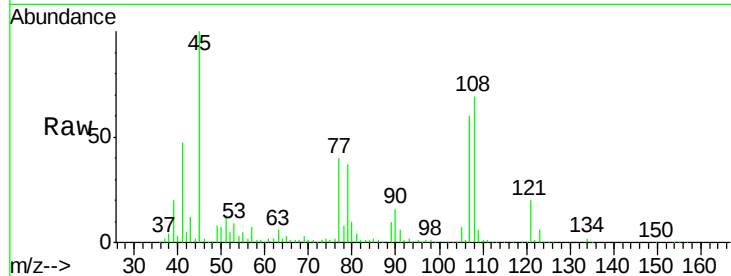




#17  
2-Methylphenol  
Concen: 36.580 ng  
RT: 6.95 min Scan# 827  
Delta R.T. -0.01 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 114.5 | 93.4  | 140.0 |
| 77      | 66.0  | 41.2  | 61.8# |
| 79      | 61.4  | 40.1  | 60.1# |



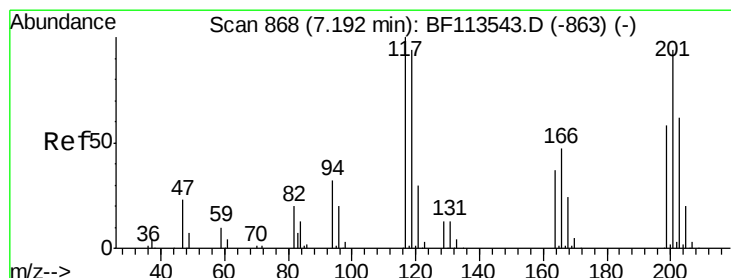
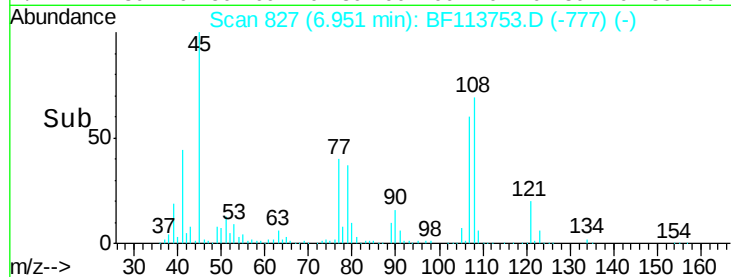
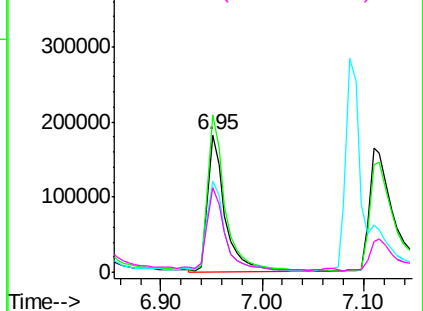
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

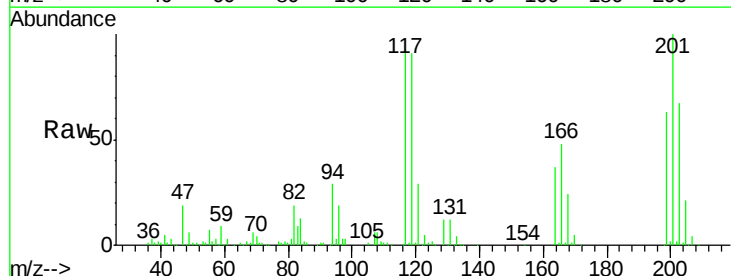
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 35.358 ng  
RT: 7.18 min Scan# 866  
Delta R.T. -0.01 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.1  | 76.9  | 115.3 |
| 201     | 107.2 | 78.7  | 118.1 |

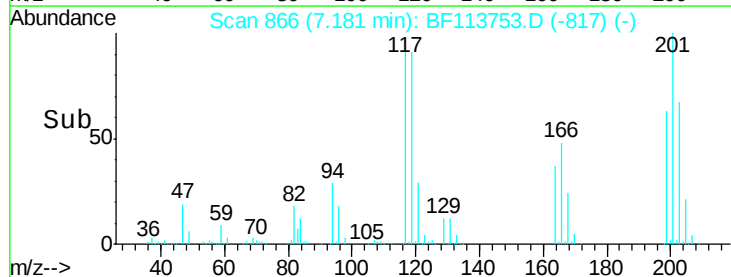
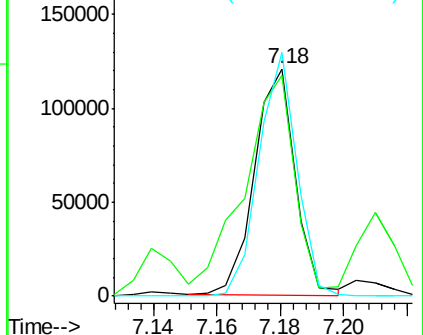


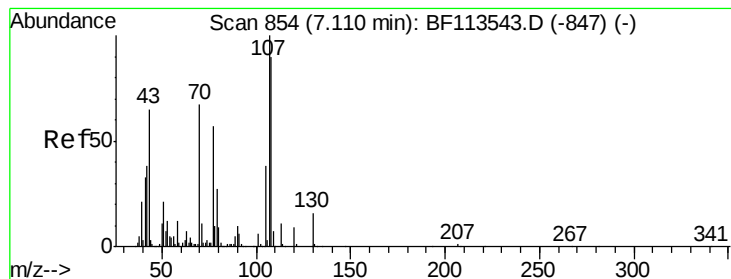
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 37.088 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 187721

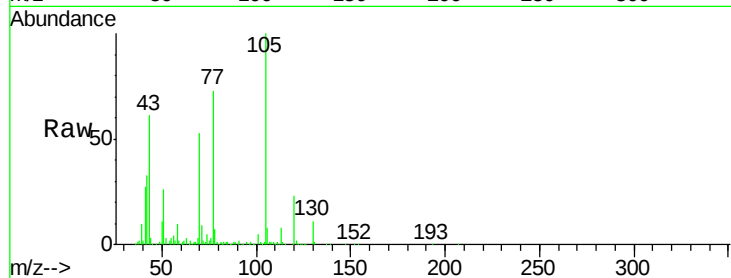
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 62.2  | 48.4  | 72.6  |
| 101 | 9.7   | 7.8   | 11.8  |
| 130 | 20.6  | 18.2  | 27.4  |

70 100

42 62.2 48.4 72.6

101 9.7 7.8 11.8

130 20.6 18.2 27.4



Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Time-->

7.05 7.10 7.15

250000

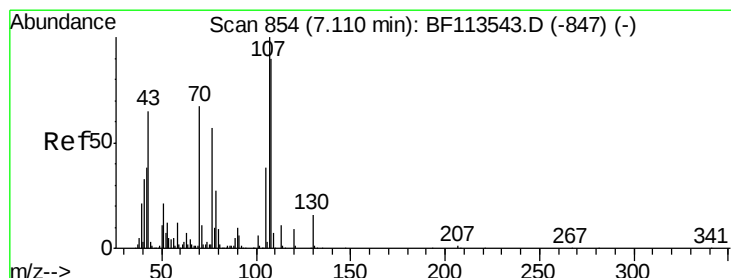
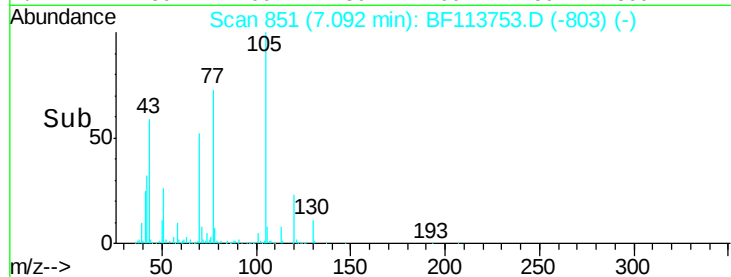
200000

150000

100000

50000

0



#20

3+4-Methylphenols

Concen: 39.849 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.00 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Tgt Ion: 107 Resp: 288315

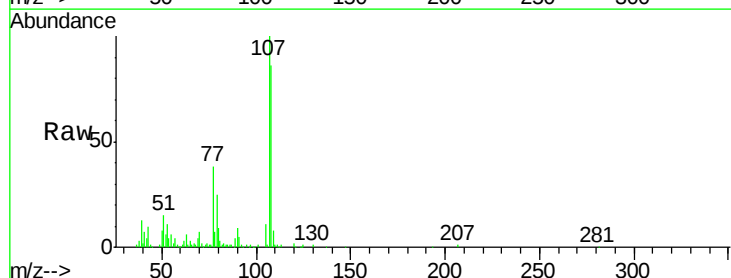
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 85.8  | 71.4  | 111.4 |
| 77  | 38.3  | 33.5  | 73.5  |
| 79  | 24.6  | 8.3   | 48.3  |

107 100

108 85.8 71.4 111.4

77 38.3 33.5 73.5

79 24.6 8.3 48.3



Abundance

Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

Time-->

7.00 7.10 7.20 7.30

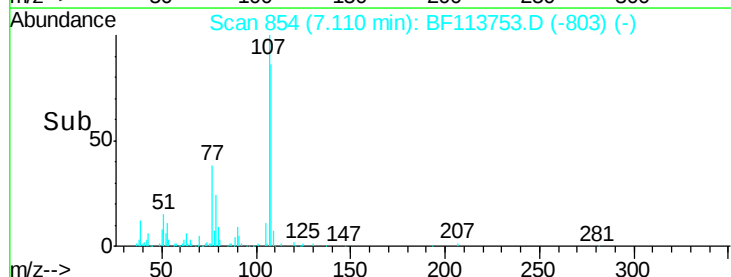
400000

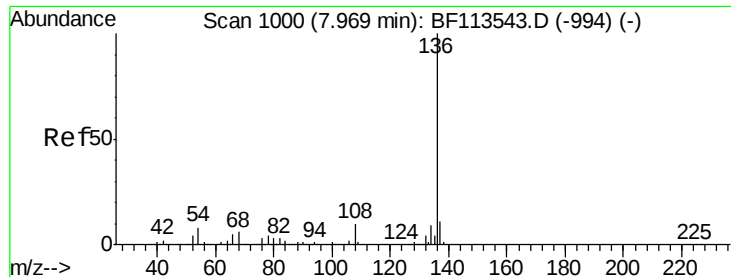
300000

200000

100000

0

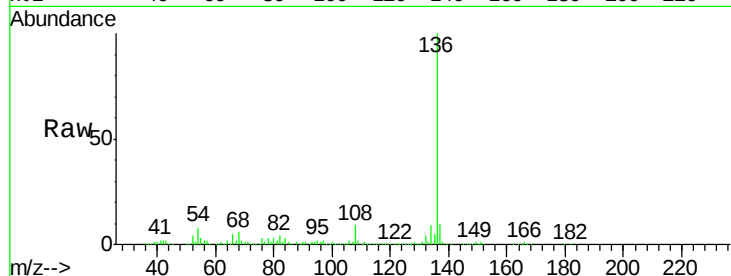




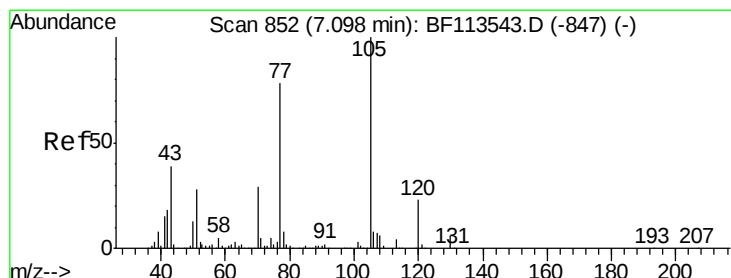
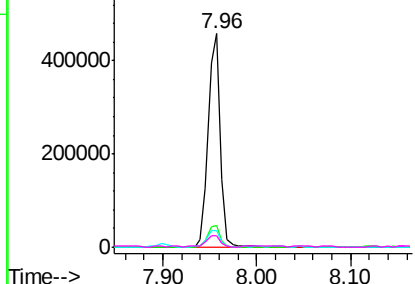
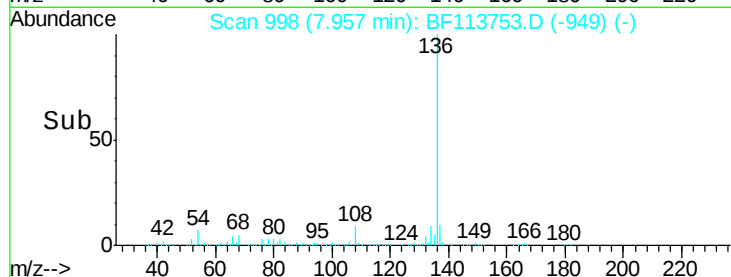
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.96 min Scan# 998  
Delta R.T. -0.01 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 417523      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.4  | 8.9 13.3    |
| 54          | 7.7   | 7.0 10.6    |
| 68          | 5.7   | 4.8 7.2     |

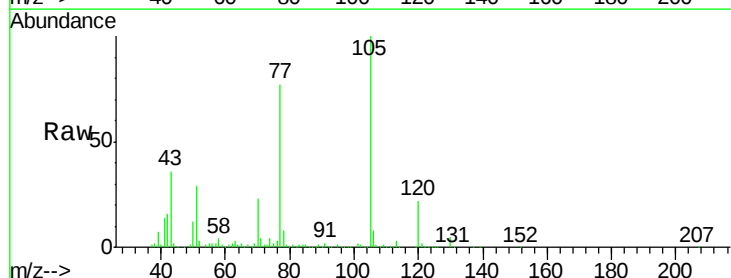


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

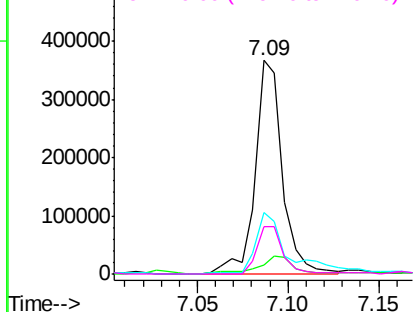
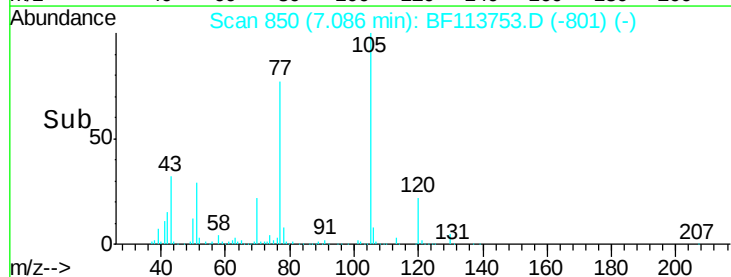


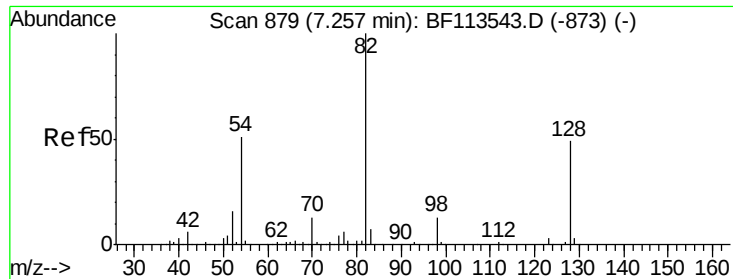
#22  
Acetophenone  
Concen: 41.916 ng  
RT: 7.09 min Scan# 850  
Delta R.T. -0.01 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:105 | Resp: | 384381      |
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 71          | 4.4   | 3.3 4.9     |
| 51          | 28.6  | 24.2 36.2   |
| 120         | 22.3  | 18.1 27.1   |



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

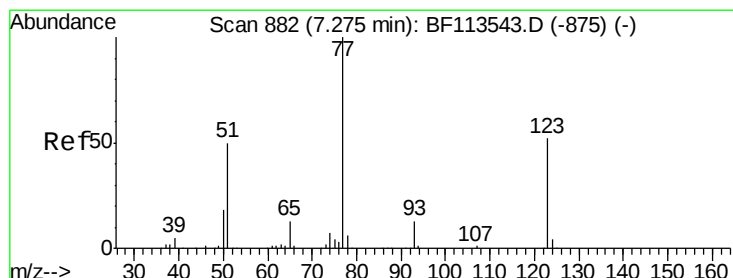
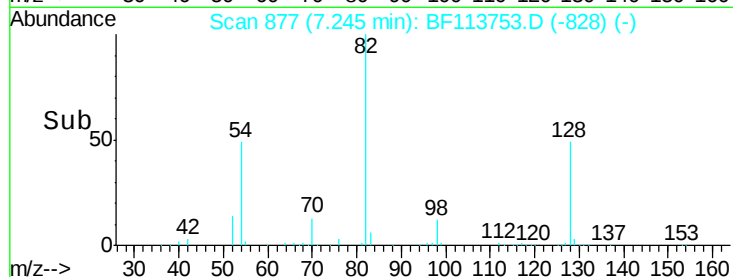
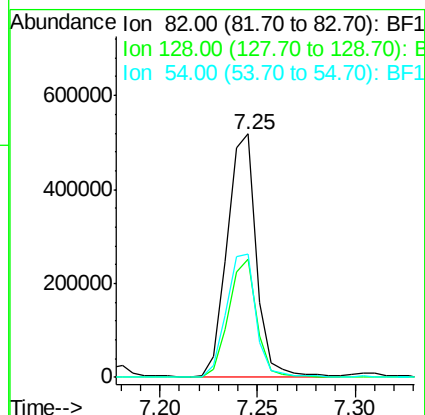
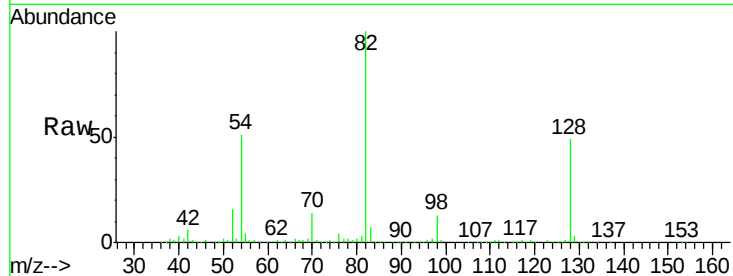




#23  
 Nitrobenzene-d5  
 Concen: 74.963 ng  
 RT: 7.25 min Scan# 877  
 Delta R.T. -0.01 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

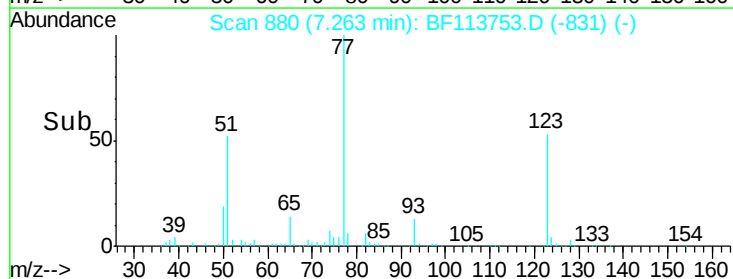
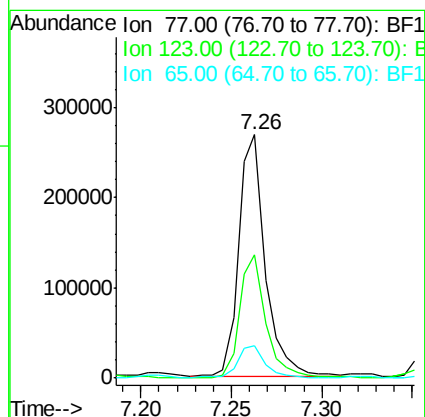
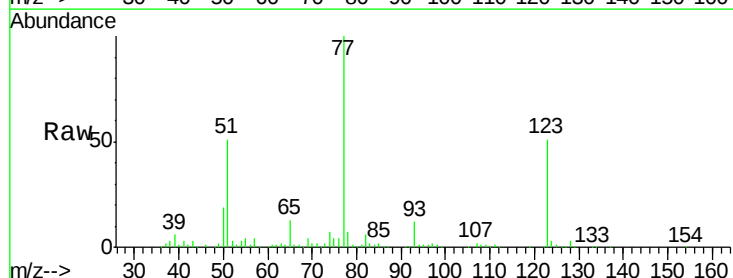
Instrument :  
 BNA\_F  
 ClientSampleId :

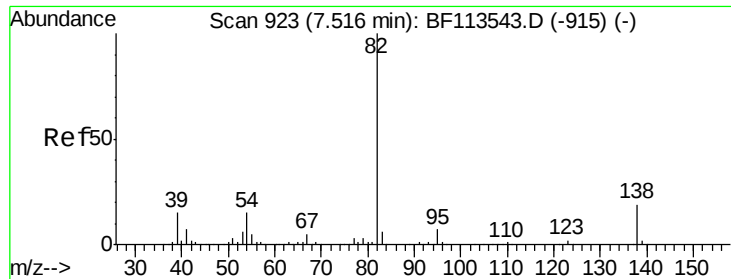
Tot Ion: 82 Resp: 534334  
 Ion Ratio Lower Upper  
 82 100  
 128 48.7 36.5 54.7  
 54 50.6 42.2 63.2



#24  
 Nitrobenzene  
 Concen: 36.885 ng  
 RT: 7.26 min Scan# 880  
 Delta R.T. -0.01 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

Tgt Ion: 77 Resp: 270760  
 Ion Ratio Lower Upper  
 77 100  
 123 50.8 40.8 61.2  
 65 13.3 10.6 16.0

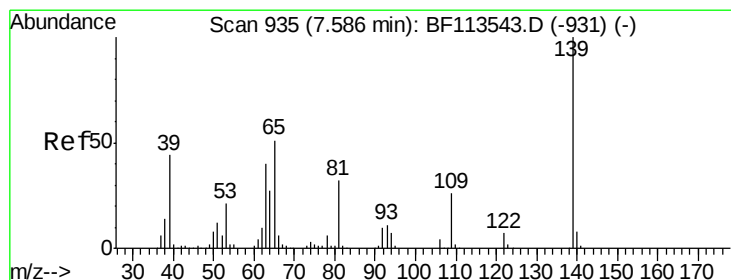
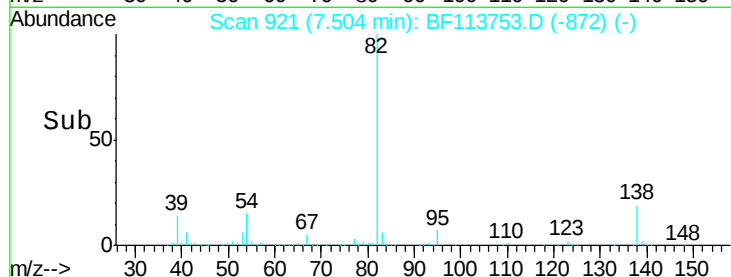
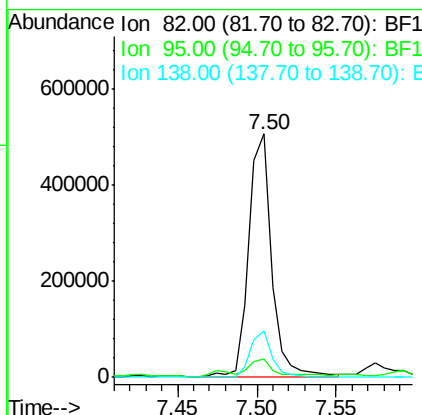
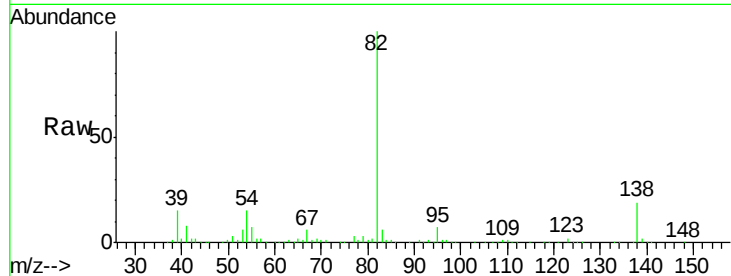




#25  
Isophorone  
Concen: 36.692 ng  
RT: 7.50 min Scan# 921  
Delta R.T. -0.01 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

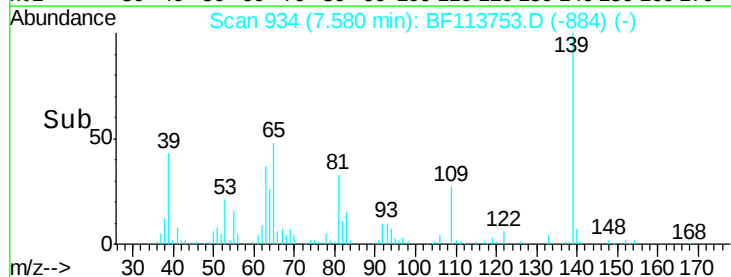
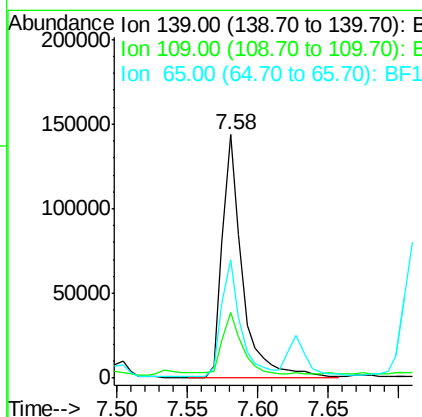
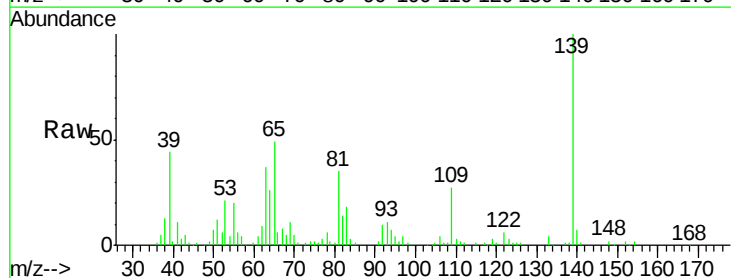
Instrument :  
BNA\_F  
ClientSampleId :

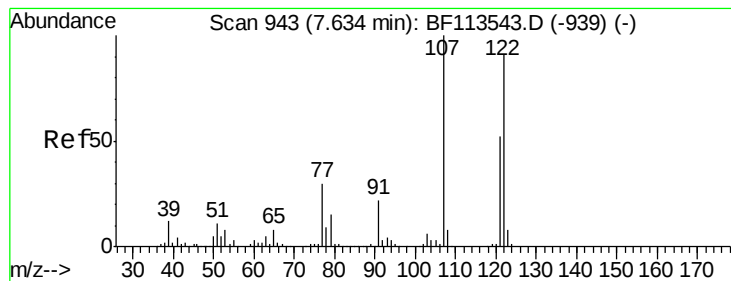
| Tot Ion   | 82    | Resp  | 503821 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.3   | 5.5   | 8.3    |
| 138       | 19.2  | 15.2  | 22.8   |



#26  
2-Nitrophenol  
Concen: 36.651 ng  
RT: 7.58 min Scan# 934  
Delta R.T. -0.01 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

| Tgt Ion   | 139   | Resp  | 144799 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 27.2  | 21.7  | 32.5   |
| 65        | 48.6  | 41.6  | 62.4   |





#27

2,4-Dimethylphenol

Concen: 43.330 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

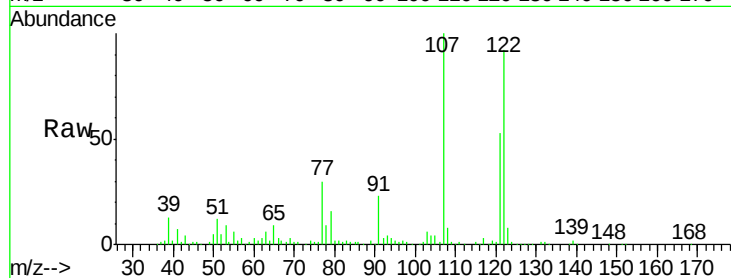
Tot Ion:122 Resp: 244732

Ion Ratio Lower Upper

122 100

107 109.0 88.8 133.2

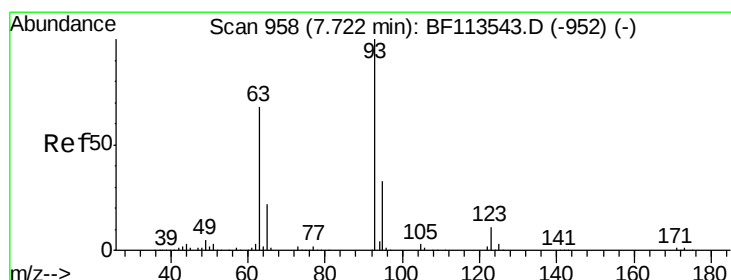
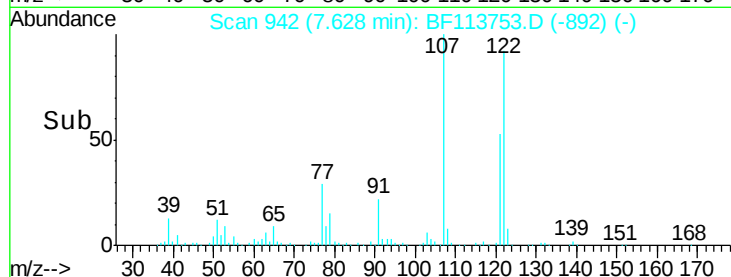
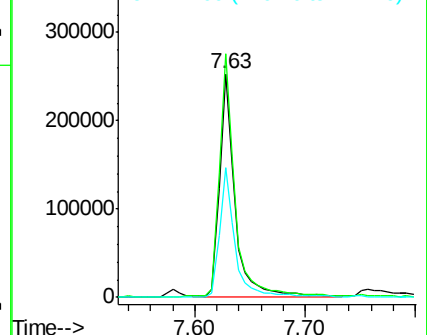
121 57.9 45.5 68.3



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: 36.788 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

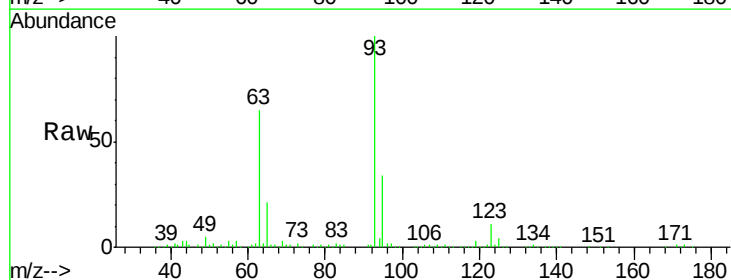
Tgt Ion: 93 Resp: 319365

Ion Ratio Lower Upper

93 100

95 33.8 26.0 39.0

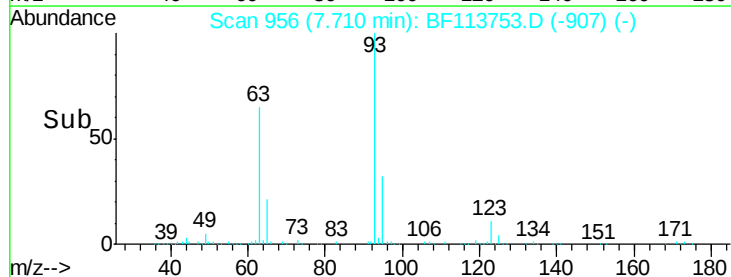
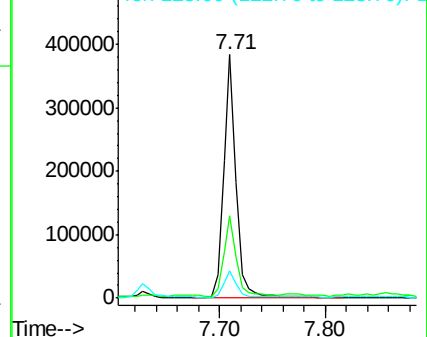
123 11.2 9.1 13.7

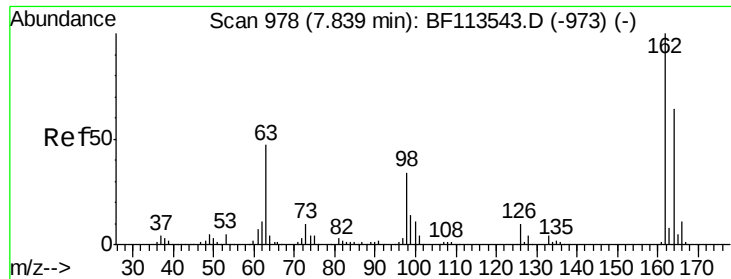


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

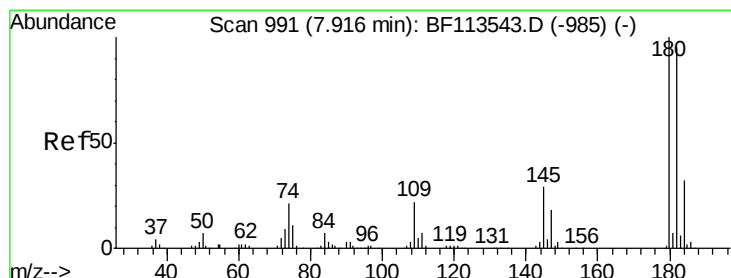
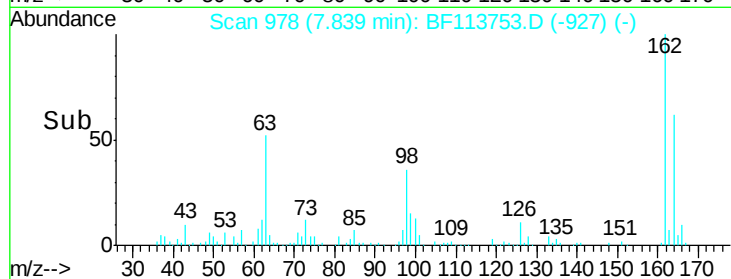
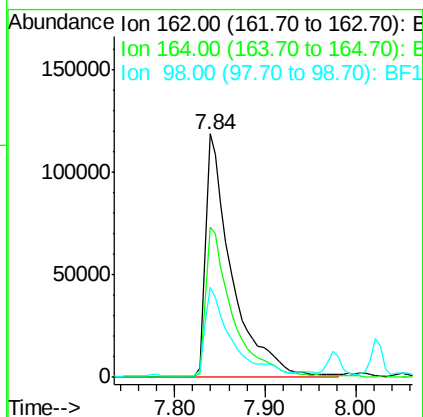
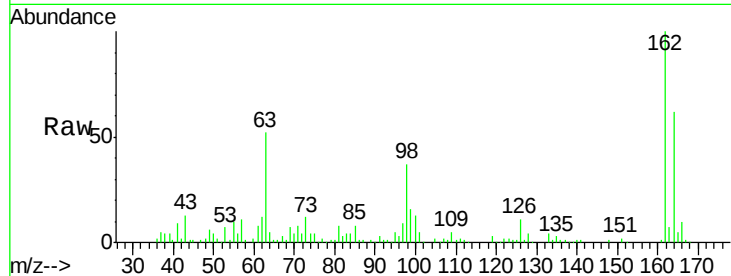




#29  
 2,4-Dichlorophenol  
 Concen: 40.100 ng  
 RT: 7.84 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

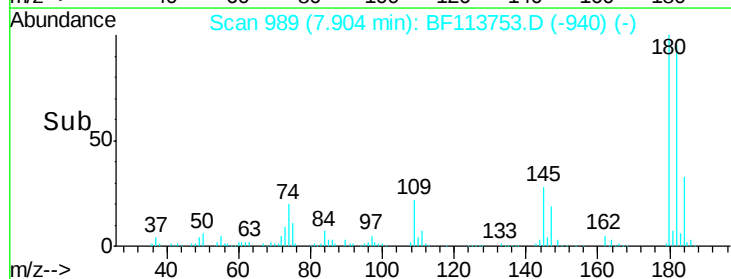
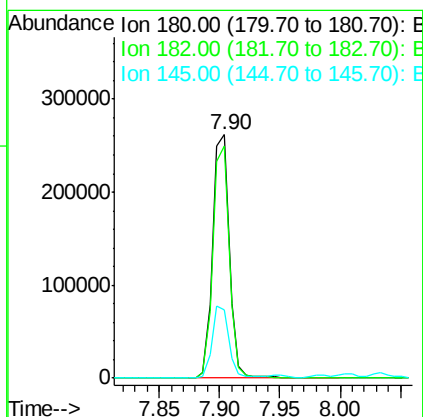
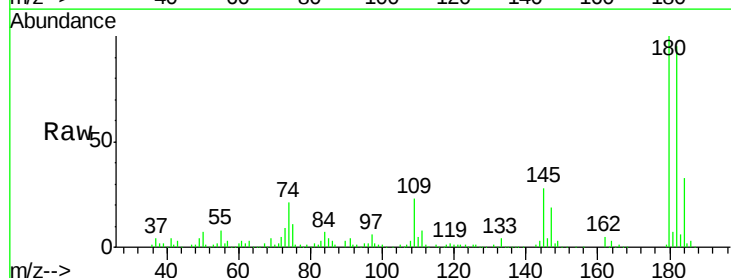
Instrument :  
 BNA\_F  
 ClientSampleId :

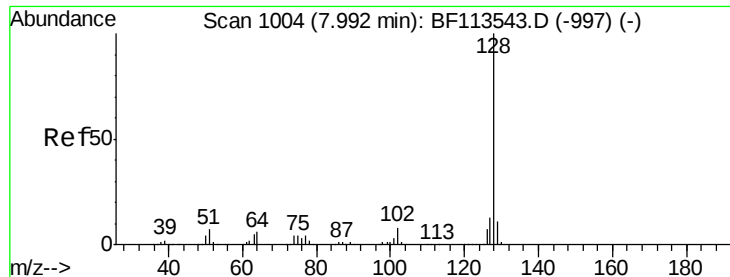
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.9  | 44.6  | 84.6  |
| 98      | 36.7  | 15.6  | 55.6  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 37.969 ng  
 RT: 7.90 min Scan# 989  
 Delta R.T. -0.01 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.4  | 74.6  | 111.8 |
| 145     | 27.9  | 23.4  | 35.0  |

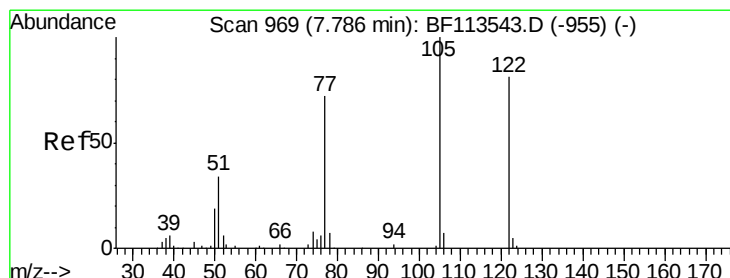
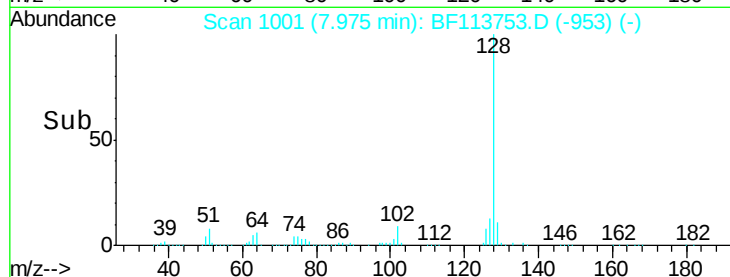
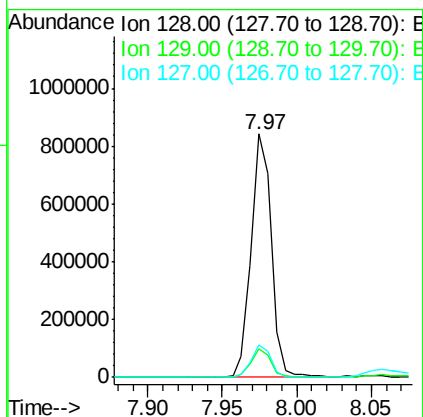
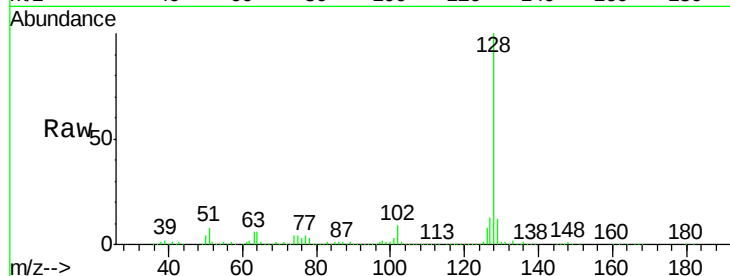




#31  
Naphthalene  
Concen: 38.848 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

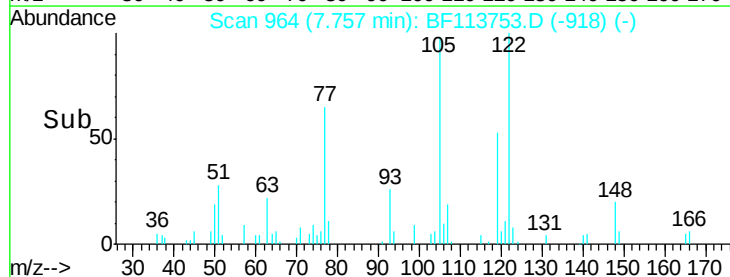
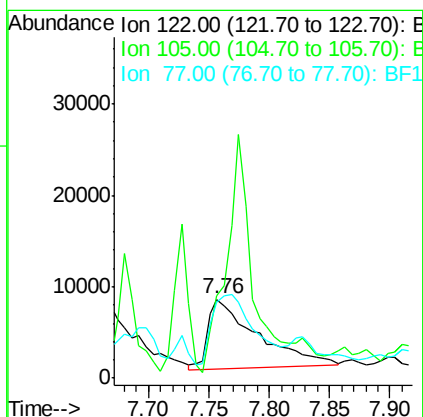
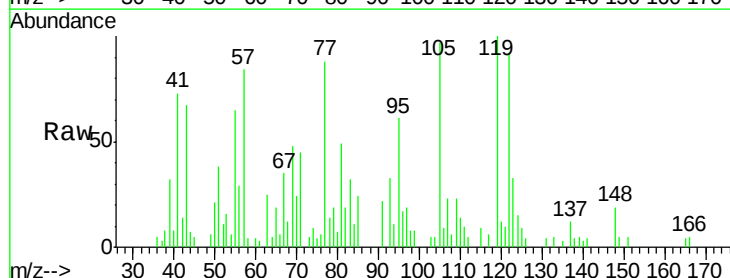
Instrument :  
BNA\_F  
ClientSampleId :

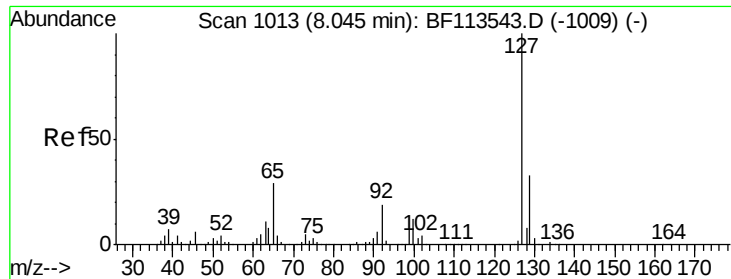
Tot Ion:128 Resp: 785890  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.3 13.9  
127 13.5 10.9 16.3



#32  
Benzoic acid  
Concen: 4.940 ng  
RT: 7.76 min Scan# 964  
Delta R.T. -0.03 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion:122 Resp: 21607  
Ion Ratio Lower Upper  
122 100  
105 104.8 100.4 140.4  
77 95.7 69.0 109.0

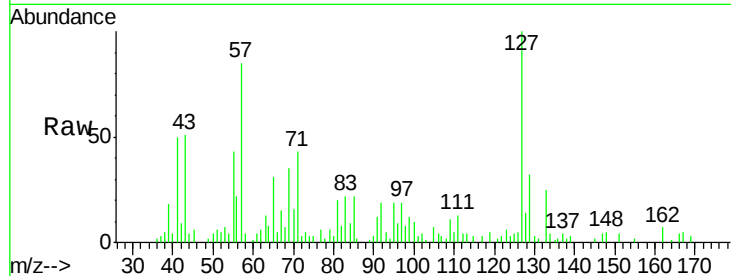




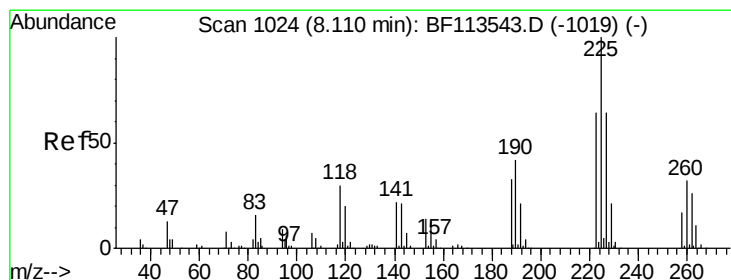
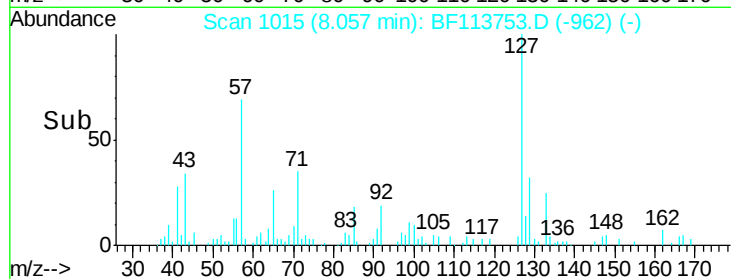
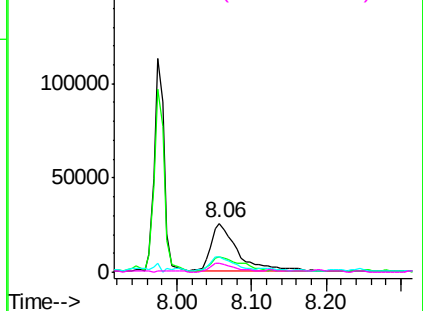
#33  
4-Chloroaniline  
Concen: 7.995 ng  
RT: 8.06 min Scan# 1015  
Delta R.T. 0.01 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:127 Resp: 64131  
Ion Ratio Lower Upper  
127 100  
129 32.4 26.3 39.5  
65 31.1 24.2 36.4  
92 18.7 15.0 22.6

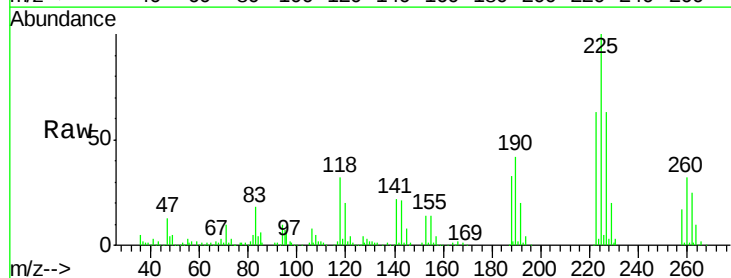


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

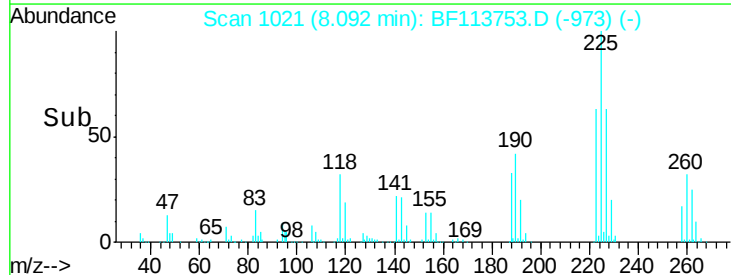
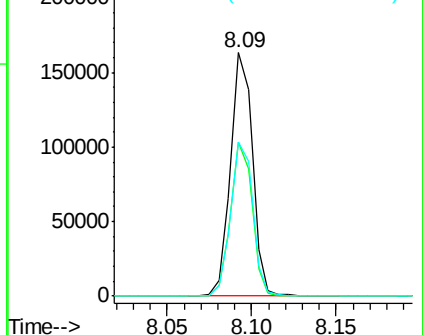


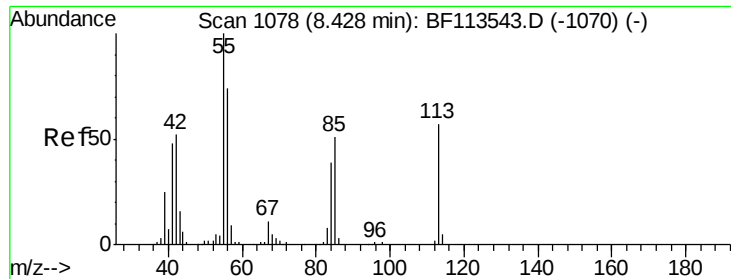
#34  
Hexachlorobutadiene  
Concen: 36.854 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion:225 Resp: 147453  
Ion Ratio Lower Upper  
225 100  
223 63.0 51.4 77.2  
227 63.3 51.1 76.7



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: 31.418 ng

RT: 8.40 min Scan# 1074

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampleId :

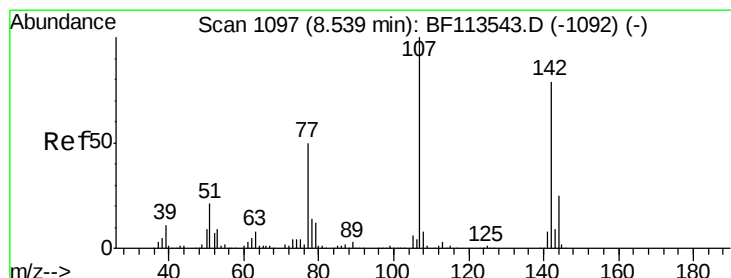
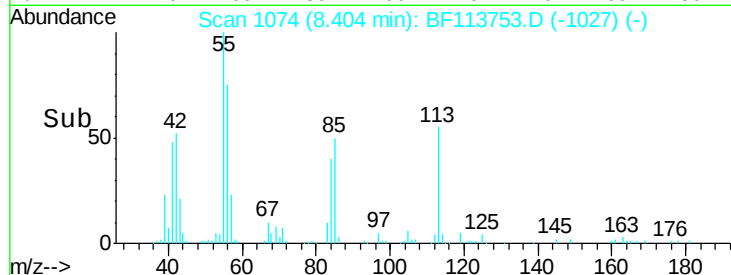
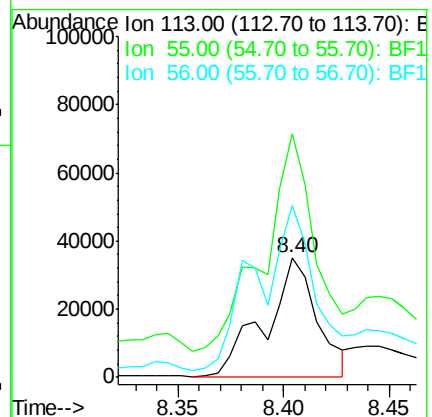
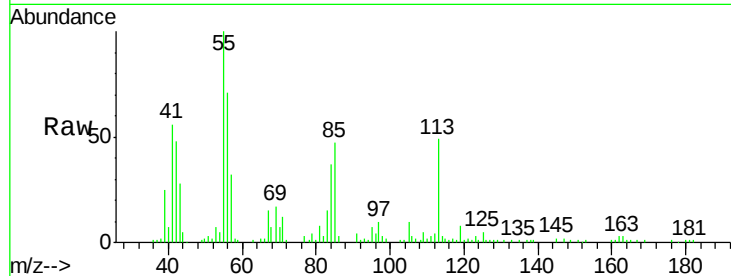
Tot Ion:113 Resp: 60269

Ion Ratio Lower Upper

113 100

55 203.2 152.7 192.7#

56 143.4 108.3 148.3



#36

4-Chloro-3-methylphenol

Concen: 38.142 ng

RT: 8.54 min Scan# 1097

Delta R.T. -0.00 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

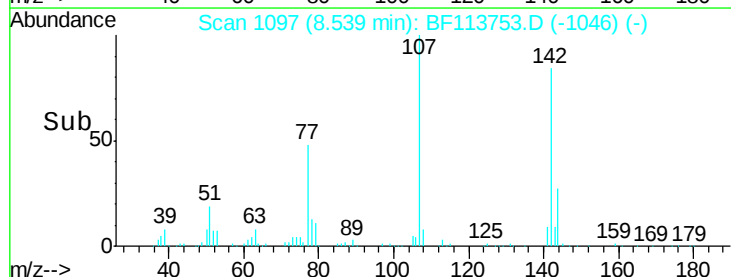
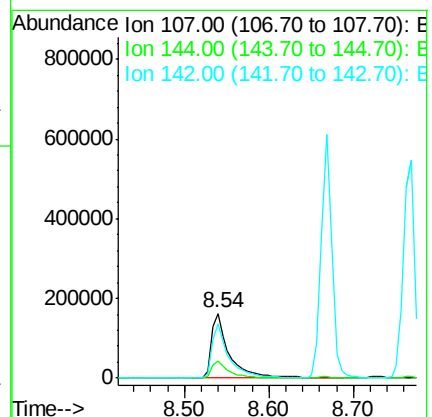
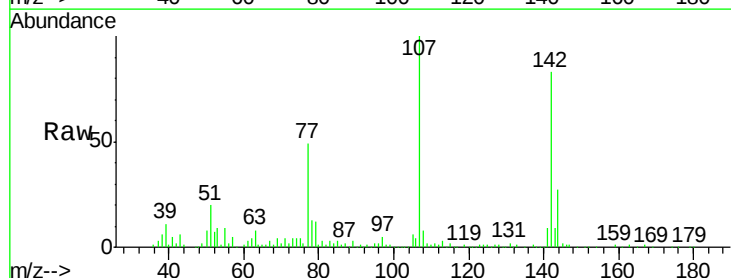
Tgt Ion:107 Resp: 231381

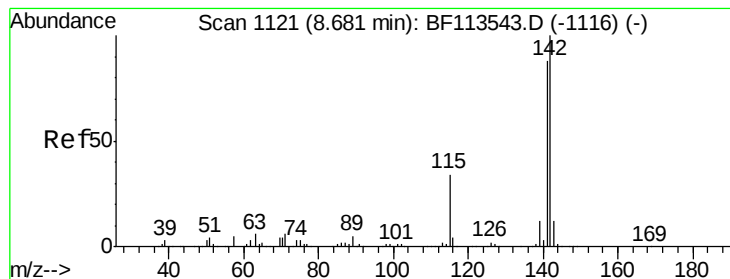
Ion Ratio Lower Upper

107 100

144 26.8 21.4 32.0

142 83.4 65.6 98.4





#37

2-Methylnaphthalene

Concen: 39.745 ng

RT: 8.67 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

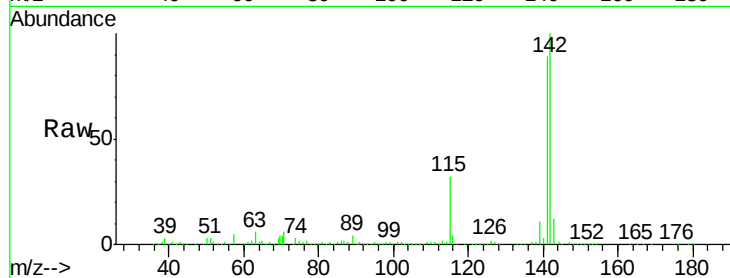
Tot Ion:142 Resp: 528819

Ion Ratio Lower Upper

142 100

141 88.7 71.0 106.6

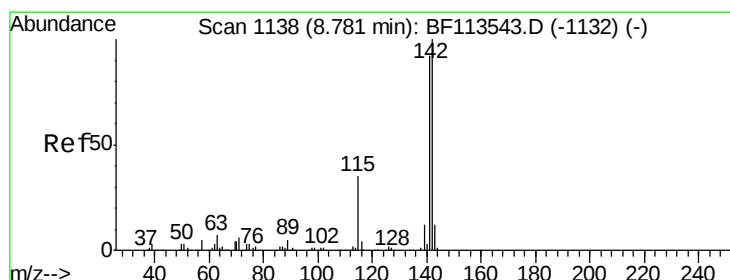
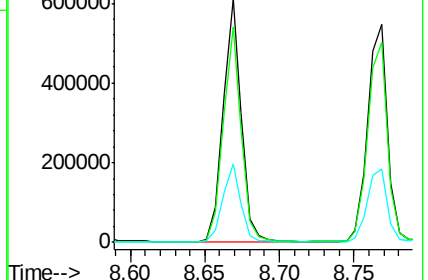
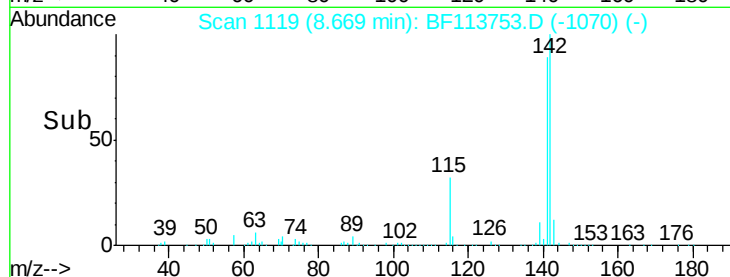
115 32.2 26.6 39.8



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: 38.819 ng

RT: 8.77 min Scan# 1136

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

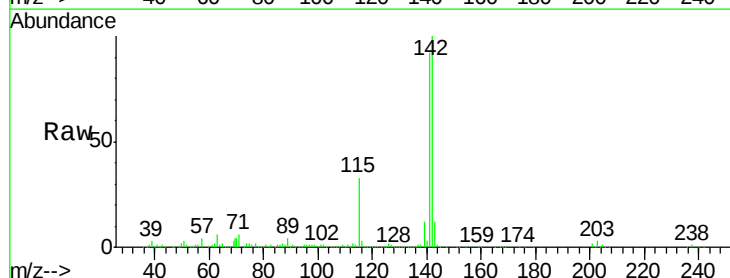
Tgt Ion:142 Resp: 498039

Ion Ratio Lower Upper

142 100

141 91.8 73.2 109.8

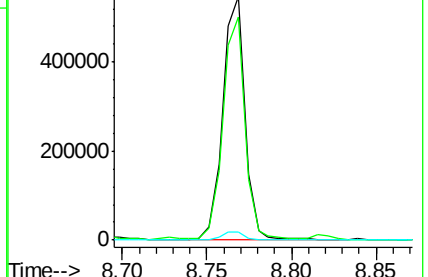
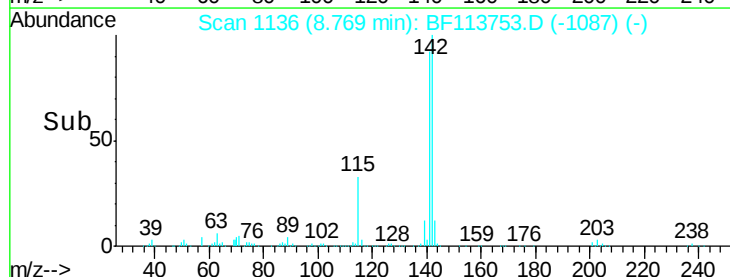
116 3.5 3.0 4.4

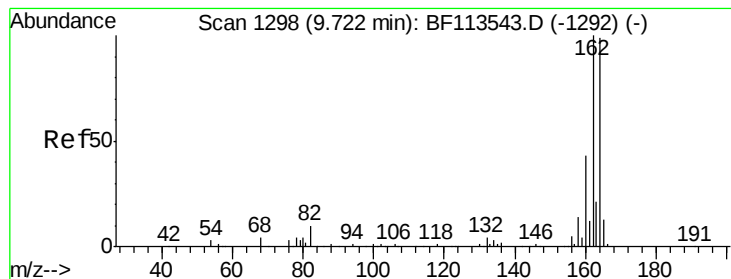


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

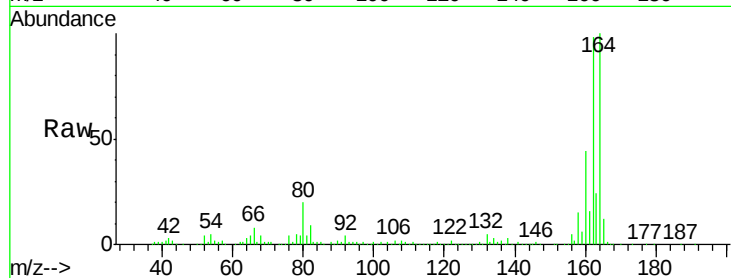
Tot Ion:164 Resp: 200419

Ion Ratio Lower Upper

164 100

162 97.8 81.8 122.6

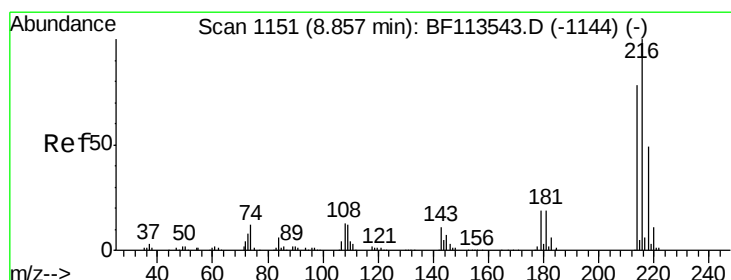
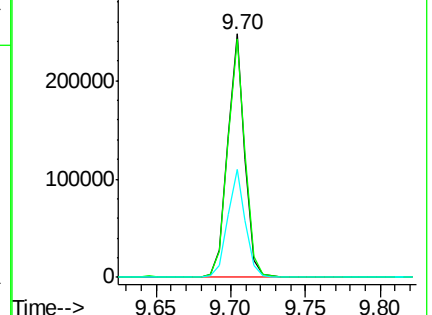
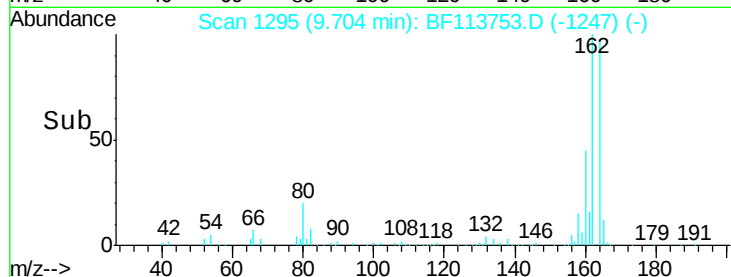
160 44.2 36.4 54.6



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: 38.073 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Tgt Ion:216 Resp: 246779

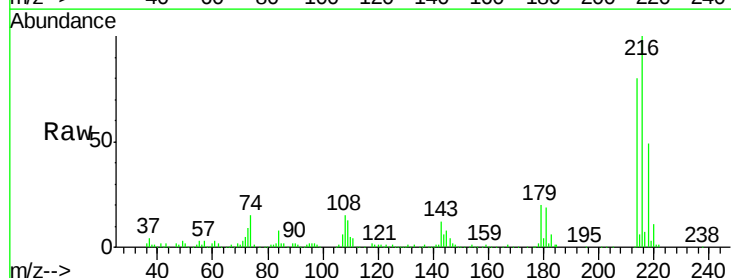
Ion Ratio Lower Upper

216 100

214 79.2 63.0 94.6

179 20.7 16.8 25.2

108 16.2 13.8 20.6

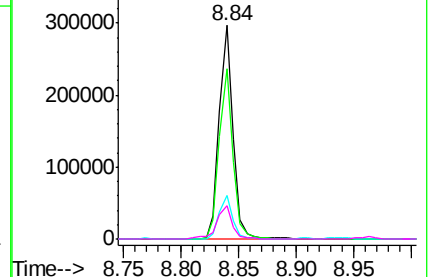
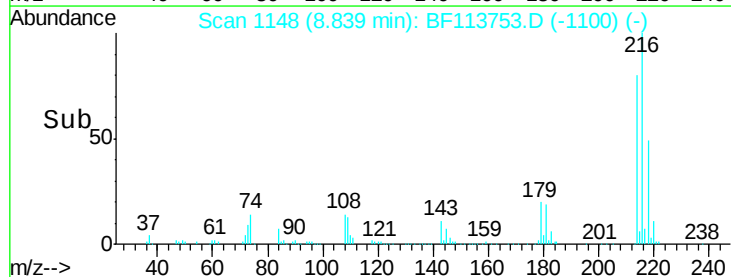


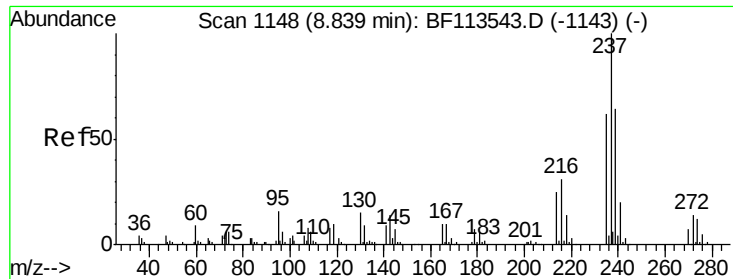
Abundance Ion 216.00 (215.70 to 216.70): E

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: 42.194 ng

RT: 8.82 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

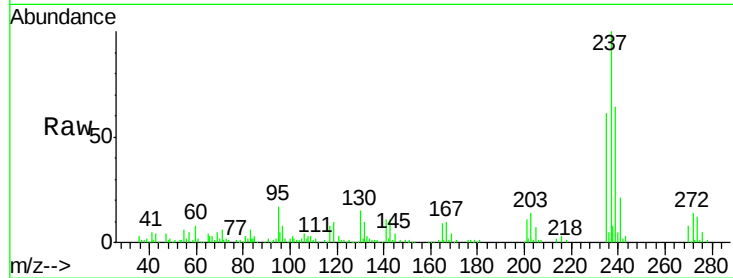
Tot Ion:237 Resp: 78484

Ion Ratio Lower Upper

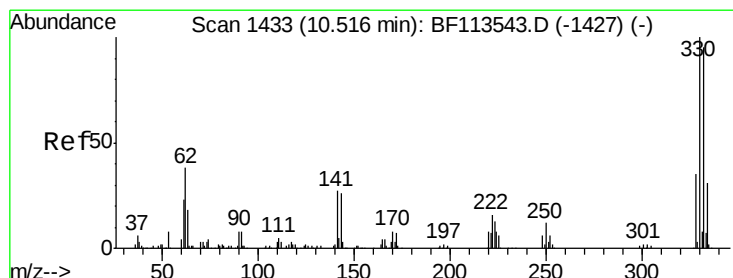
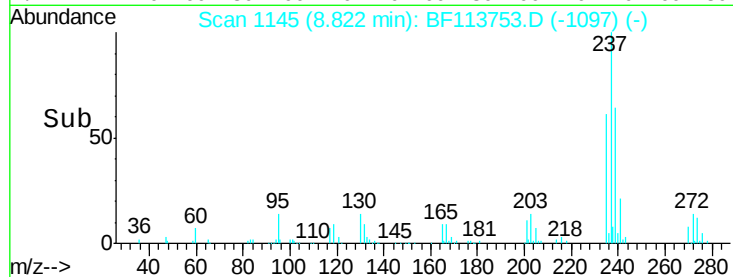
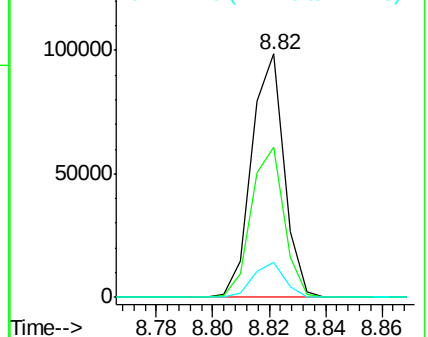
237 100

235 61.5 43.4 83.4

272 14.3 0.0 33.7



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: 106.601 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

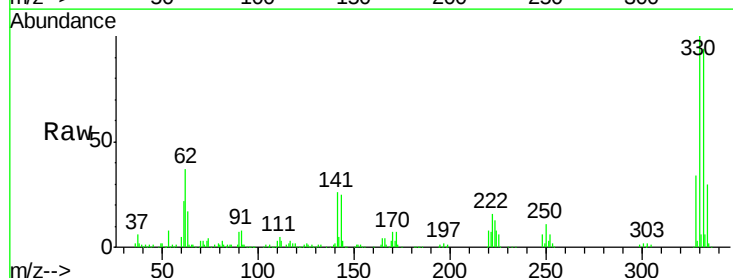
Tgt Ion:330 Resp: 256644

Ion Ratio Lower Upper

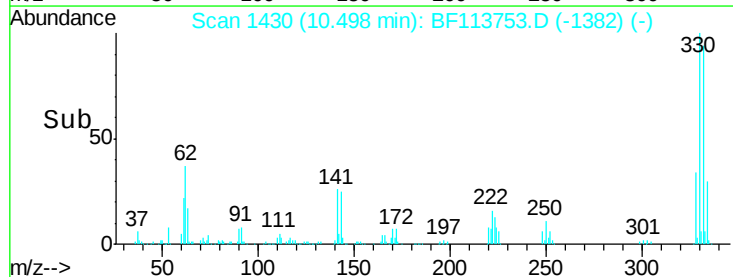
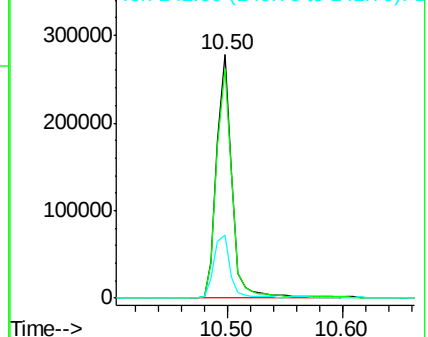
330 100

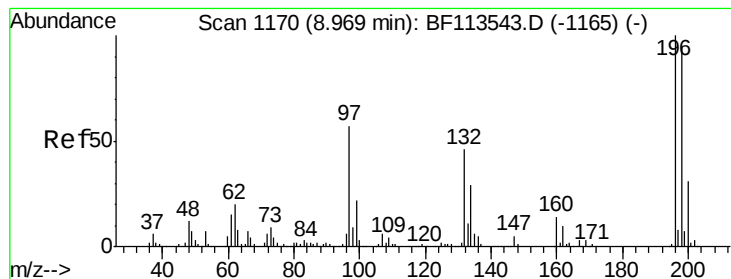
332 96.8 77.8 116.6

141 28.2 22.7 34.1



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





#43

2,4,6-Trichlorophenol

Concen: 37.302 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampled :

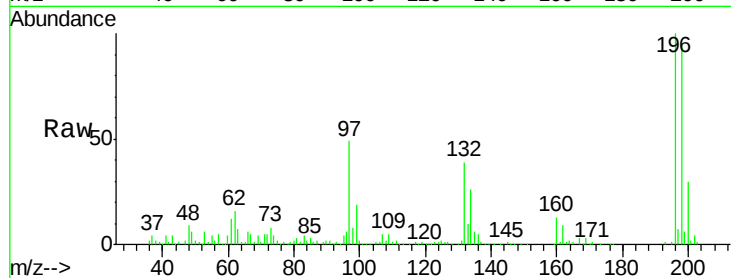
Tot Ion:196 Resp: 152617

Ion Ratio Lower Upper

196 100

198 95.2 77.7 116.5

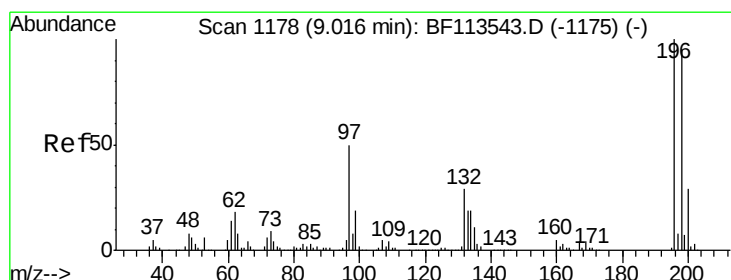
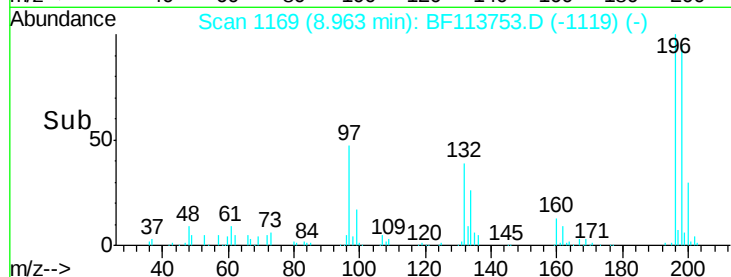
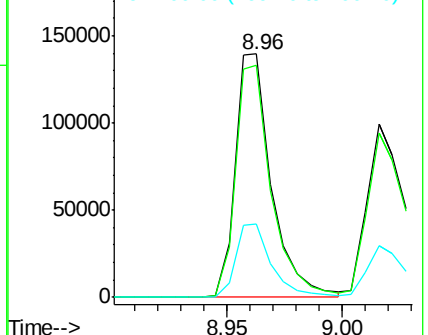
200 30.0 24.9 37.3



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: 35.601 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Tgt Ion:196 Resp: 156377

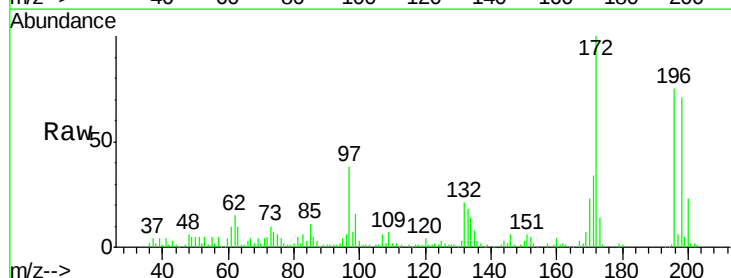
Ion Ratio Lower Upper

196 100

198 94.8 75.4 113.2

97 50.9 38.6 58.0

132 28.0 22.9 34.3

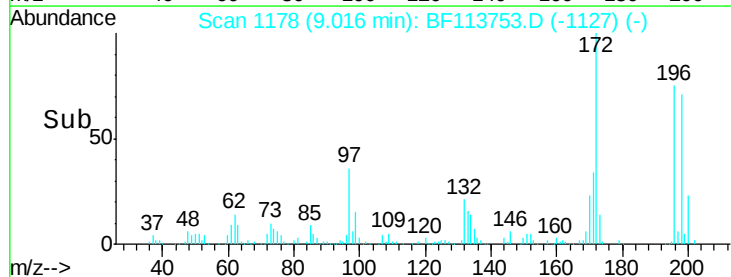
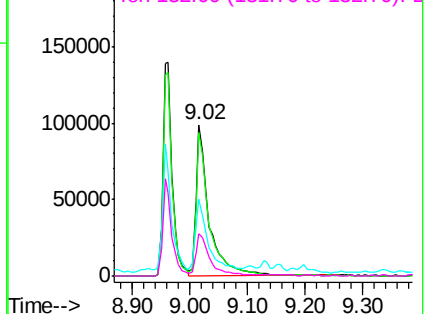


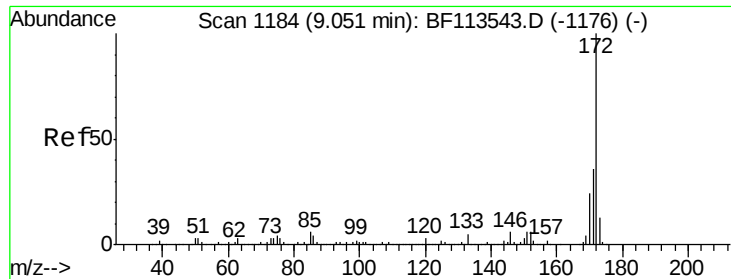
Abundance Ion 196.00 (195.70 to 196.70): E

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

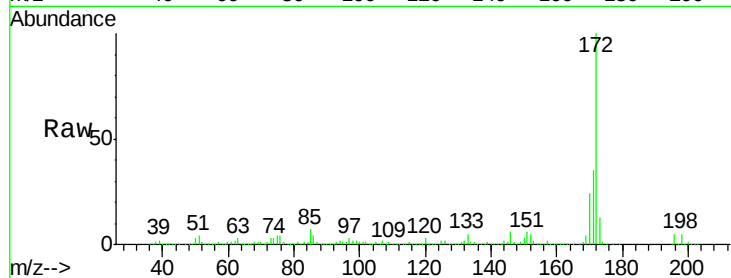




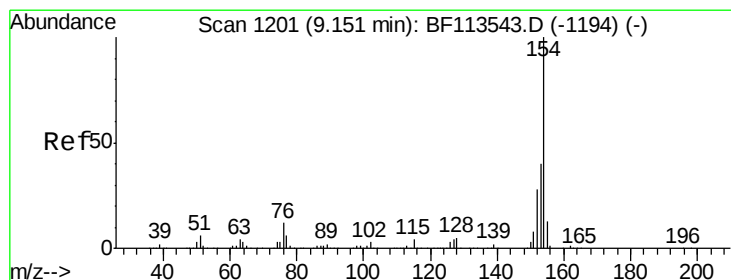
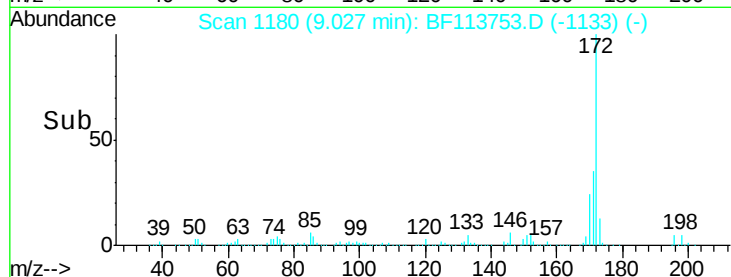
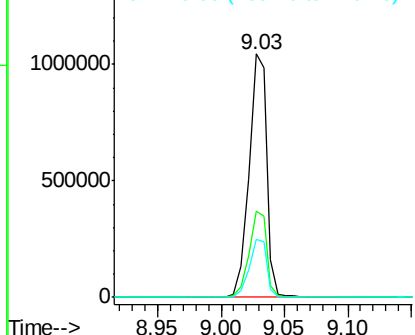
#45  
2-Fluorobiphenyl  
Concen: 81.817 ng  
RT: 9.03 min Scan# 1180  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1018553  
Ion Ratio Lower Upper  
172 100  
171 35.2 29.0 43.6  
170 23.7 19.5 29.3

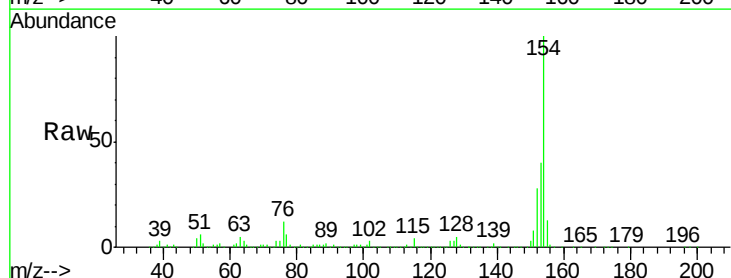


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

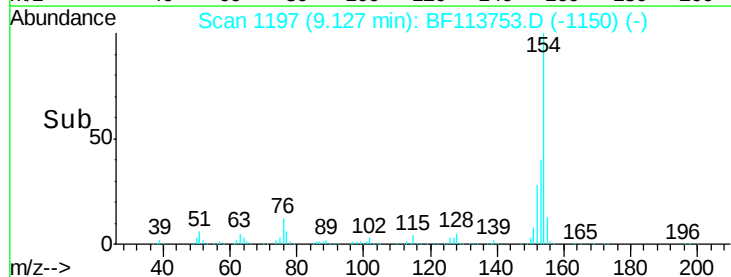
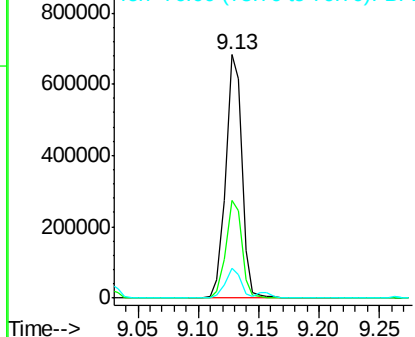


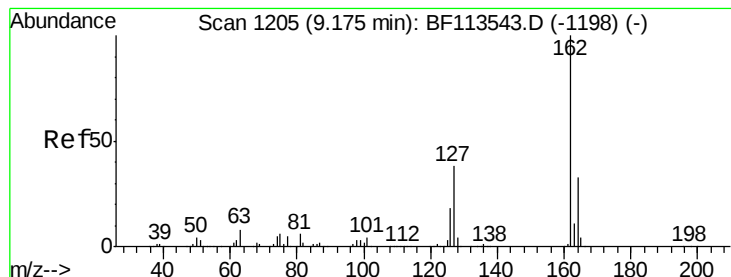
#46  
1,1'-Biphenyl  
Concen: 38.570 ng  
RT: 9.13 min Scan# 1197  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion:154 Resp: 637891  
Ion Ratio Lower Upper  
154 100  
153 40.4 20.8 60.8  
76 12.3 0.0 31.9



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: 38.093 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

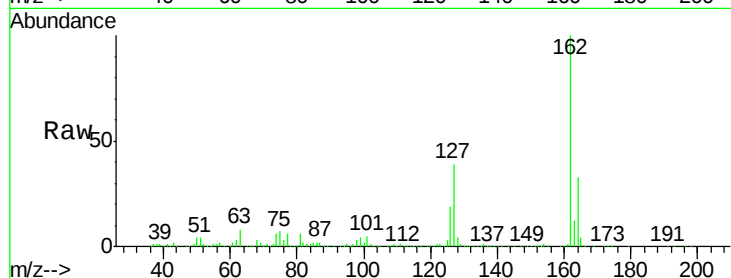
Tot Ion:162 Resp: 476997

Ion Ratio Lower Upper

162 100

127 38.8 32.6 49.0

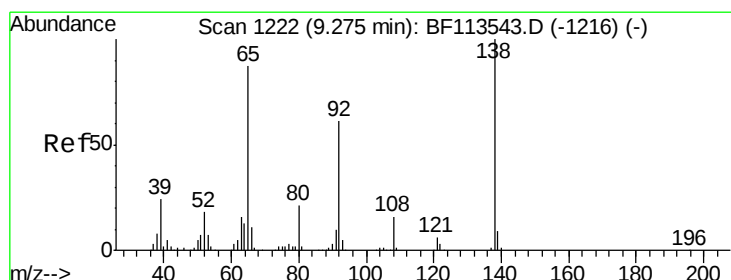
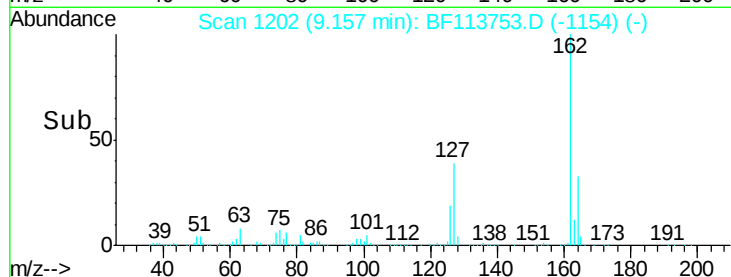
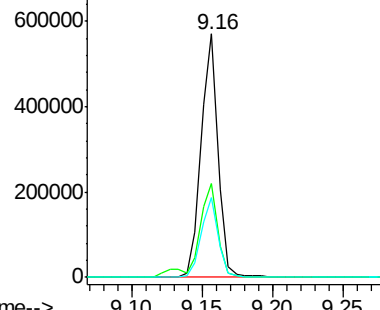
164 33.0 26.6 39.8



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: 38.786 ng

RT: 9.26 min Scan# 1220

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

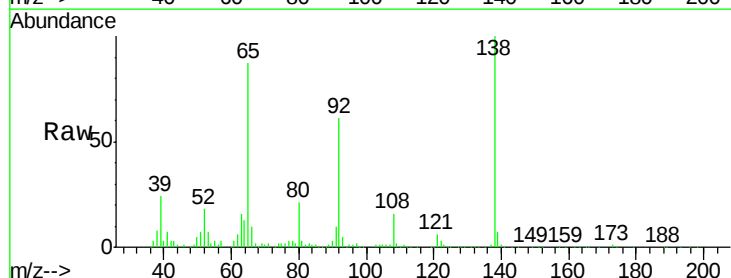
Tgt Ion: 65 Resp: 148610

Ion Ratio Lower Upper

65 100

92 70.7 56.8 85.2

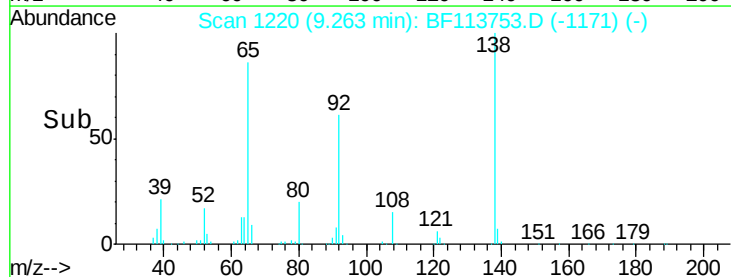
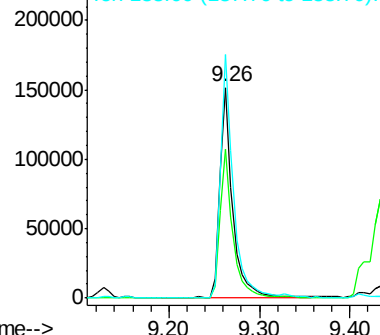
138 115.5 92.3 138.5

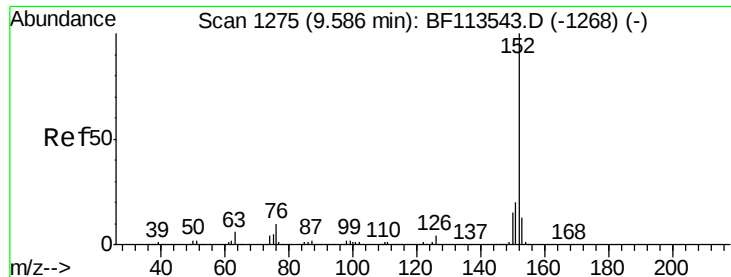


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 37.376 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

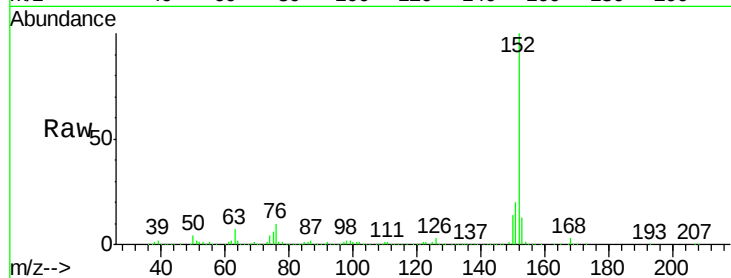
Tot Ion:152 Resp: 761050

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

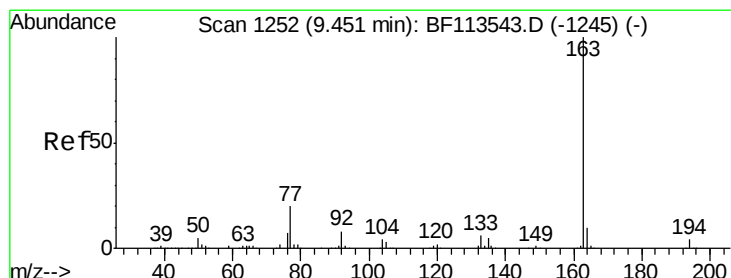
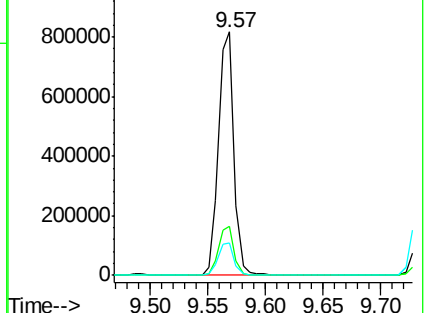
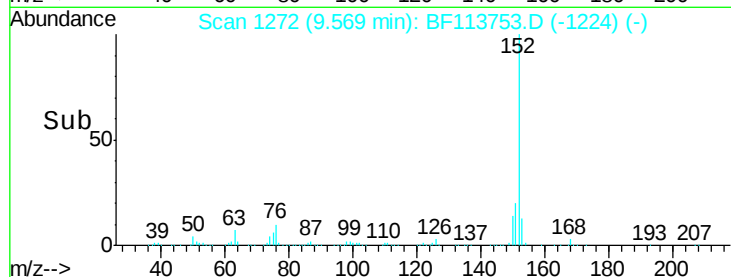
153 13.2 11.0 16.6



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: 43.055 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

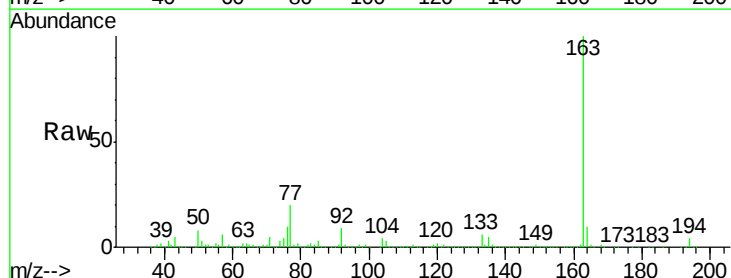
Tgt Ion:163 Resp: 636072

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

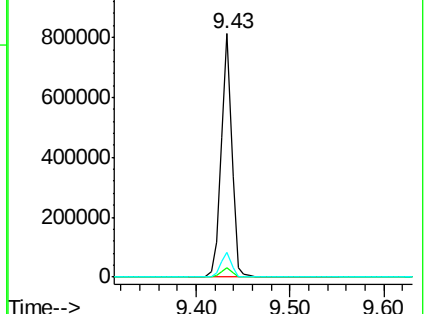
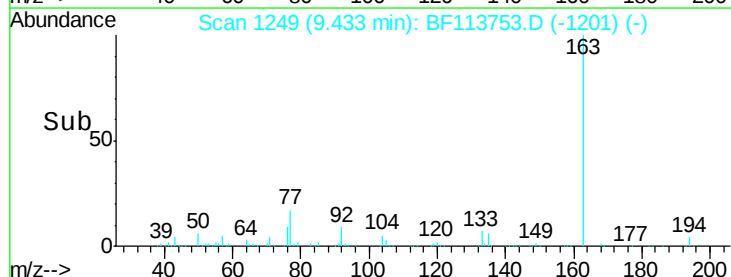
164 10.4 8.1 12.1

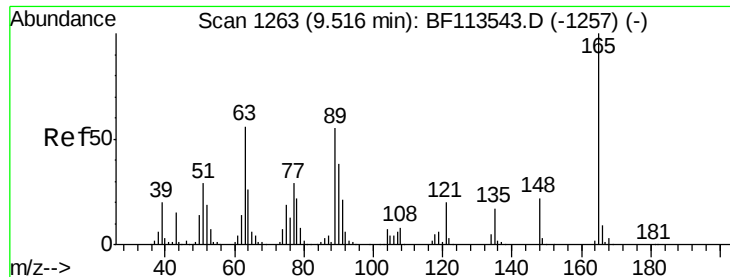


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 37.758 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

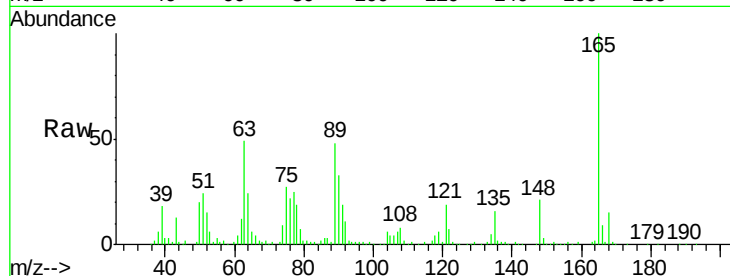
Tot Ion:165 Resp: 122958

Ion Ratio Lower Upper

165 100

63 49.1 43.4 65.0

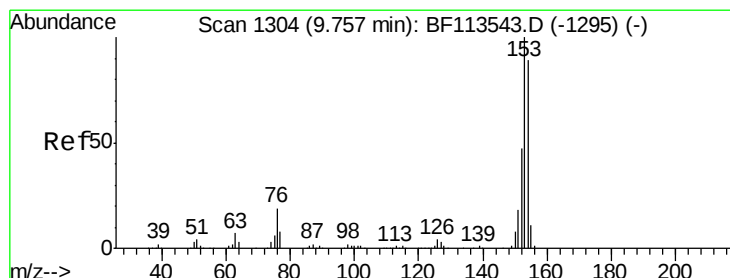
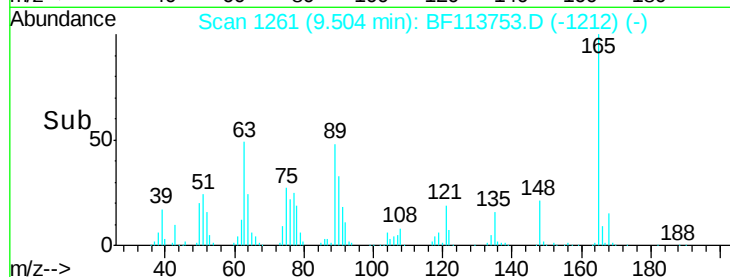
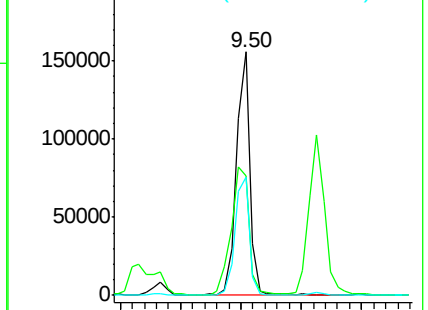
89 48.3 43.1 64.7



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: 38.664 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

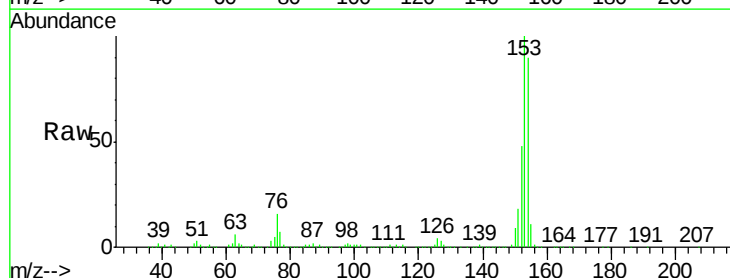
Tgt Ion:154 Resp: 450653

Ion Ratio Lower Upper

154 100

153 111.4 89.5 134.3

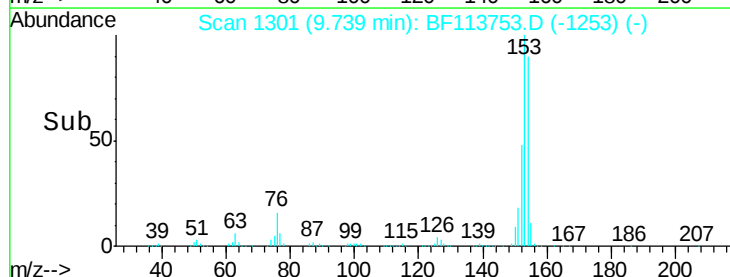
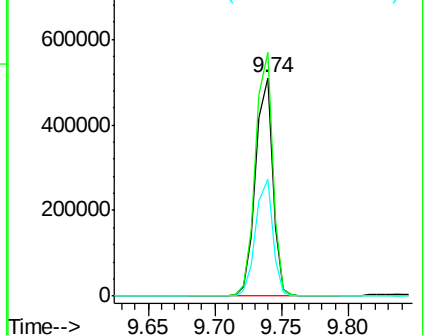
152 53.4 43.3 64.9

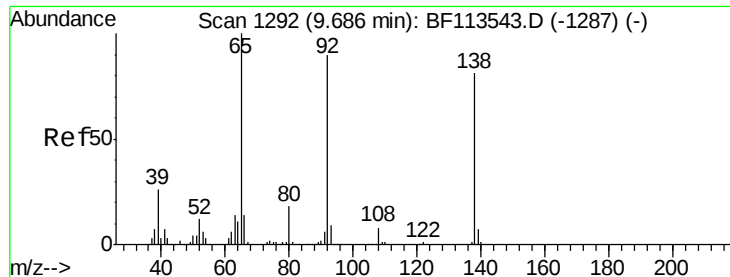


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

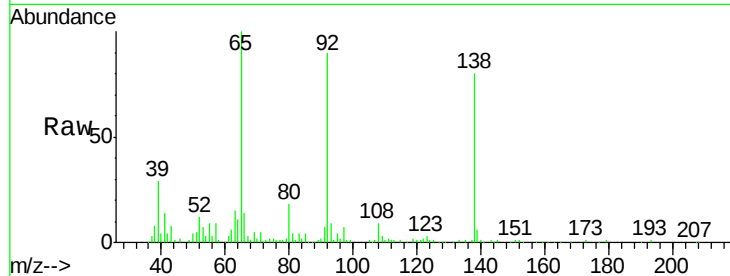




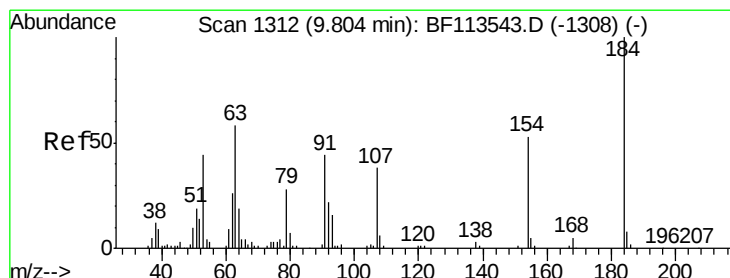
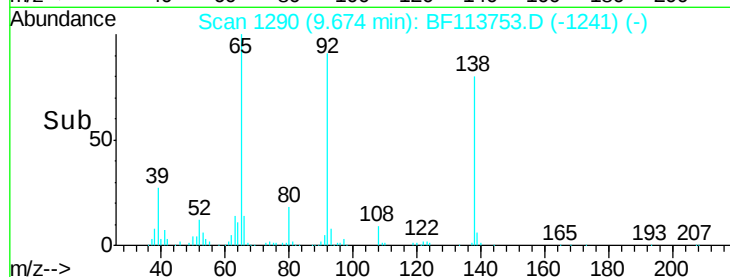
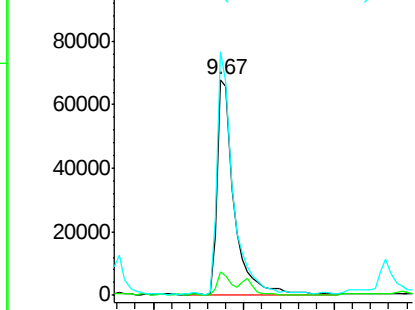
#53  
3-Nitroaniline  
Concen: 24.068 ng  
RT: 9.67 min Scan# 1290  
Delta R.T. -0.01 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 89112  
Ion Ratio Lower Upper  
138 100  
108 11.1 7.8 11.6  
92 112.9 82.6 124.0

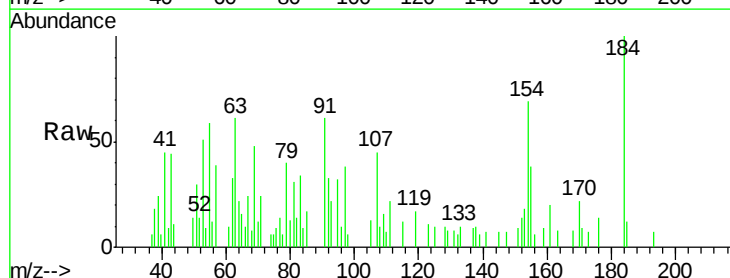


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

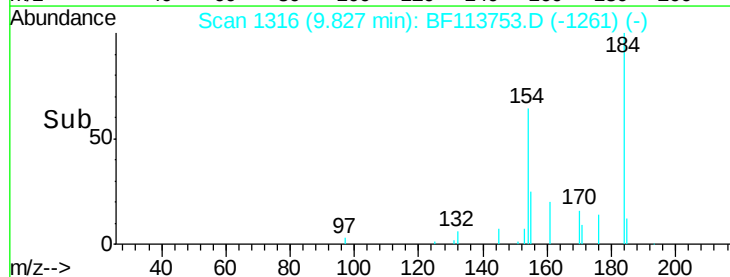
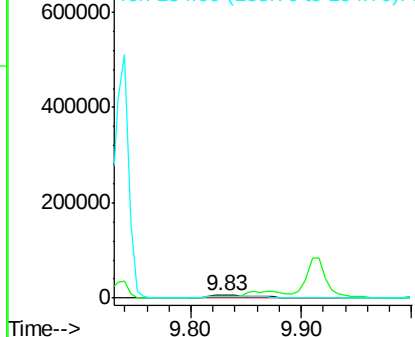


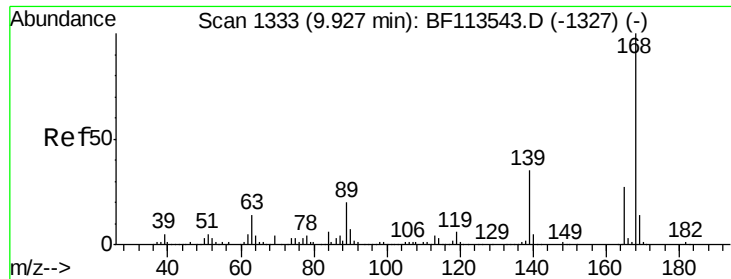
#54  
2,4-Dinitrophenol  
Concen: 13.424 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. 0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion:184 Resp: 20452  
Ion Ratio Lower Upper  
184 100  
63 60.9 54.3 81.5  
154 69.2 48.4 72.6



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

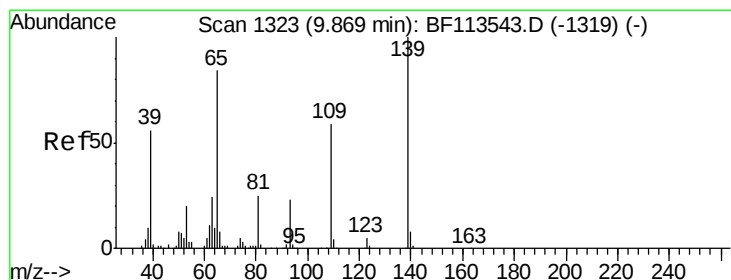
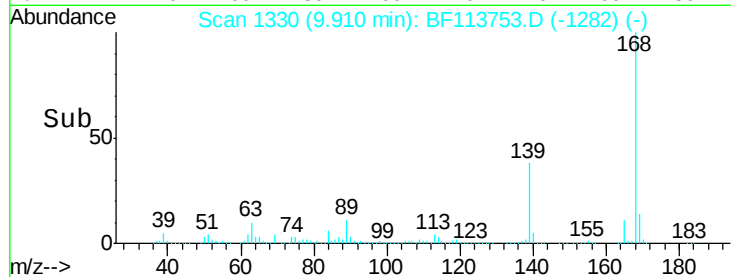
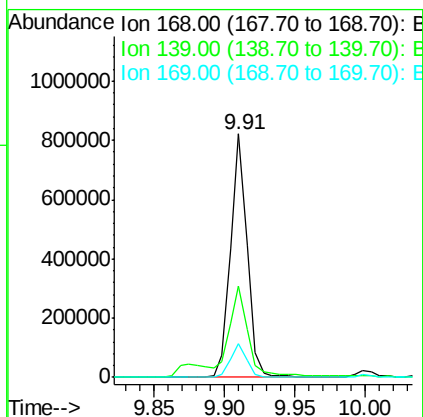
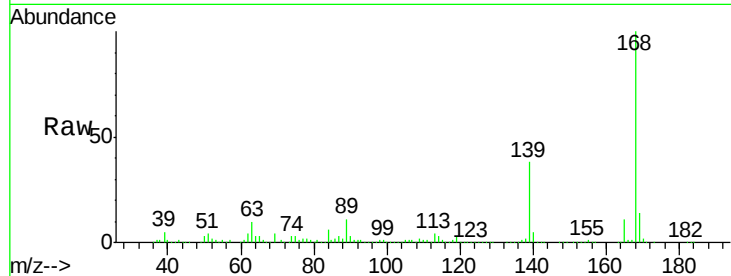




#55  
Dibenzofuran  
Concen: 39.322 ng  
RT: 9.91 min Scan# 1330  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

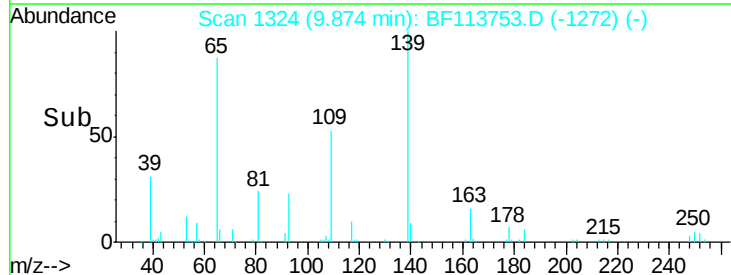
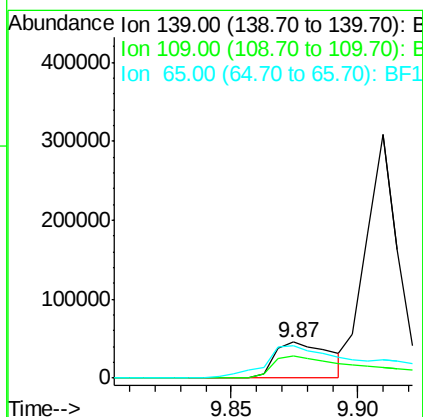
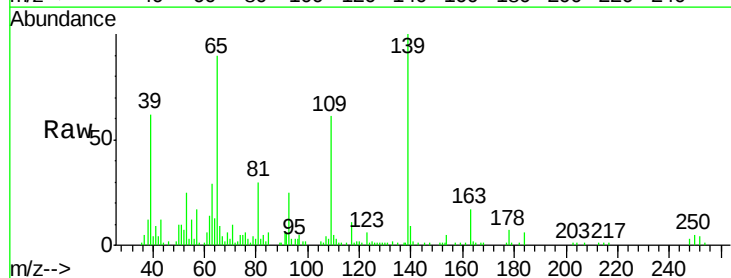
Instrument :  
BNA\_F  
ClientSampled :

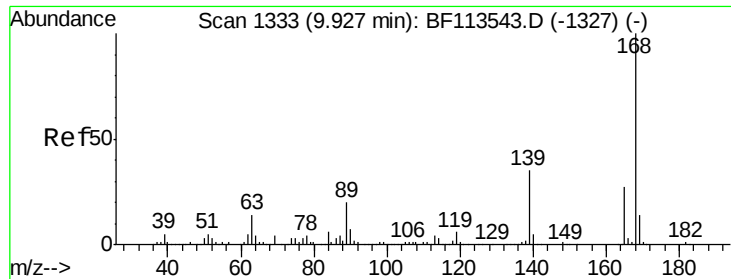
Tot Ion:168 Resp: 672311  
Ion Ratio Lower Upper  
168 100  
139 37.5 29.7 44.5  
169 13.8 10.7 16.1



#56  
4-Nitrophenol  
Concen: 30.216 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. 0.01 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion:139 Resp: 69399  
Ion Ratio Lower Upper  
139 100  
109 61.2 46.9 86.9  
65 90.1 77.2 117.2

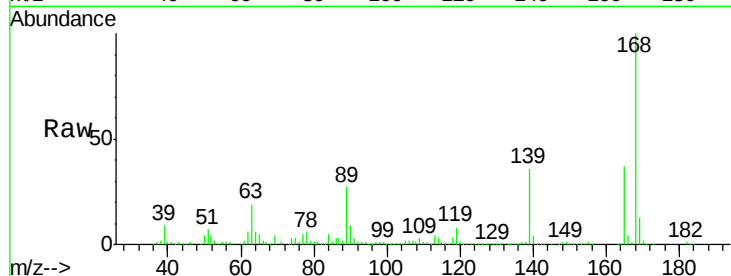




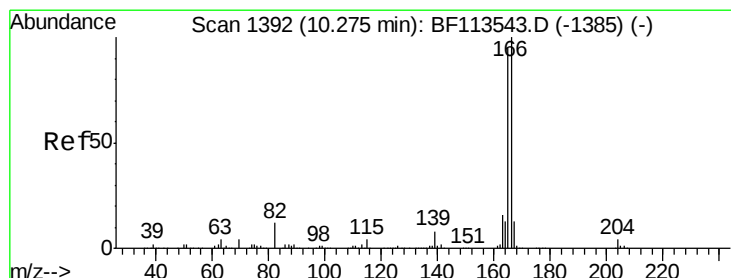
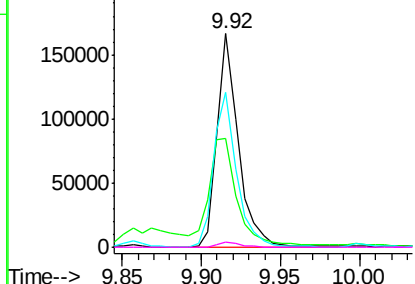
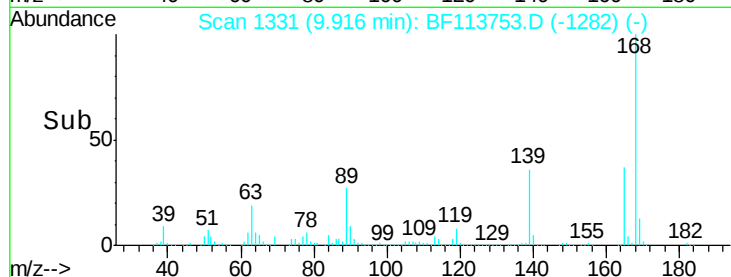
#57  
2,4-Dinitrotoluene  
Concen: 39.597 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:165 Resp: 155951  
Ion Ratio Lower Upper  
165 100  
63 51.1 37.5 56.3  
89 72.2 57.4 86.2  
182 2.5 2.0 3.0

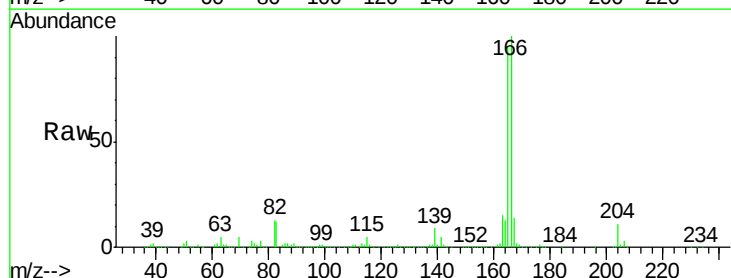


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

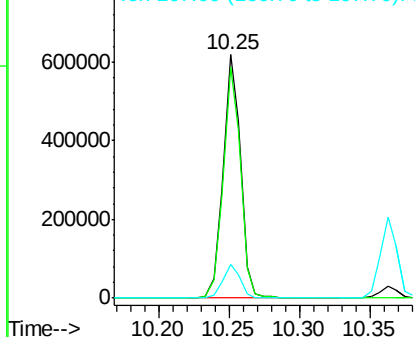
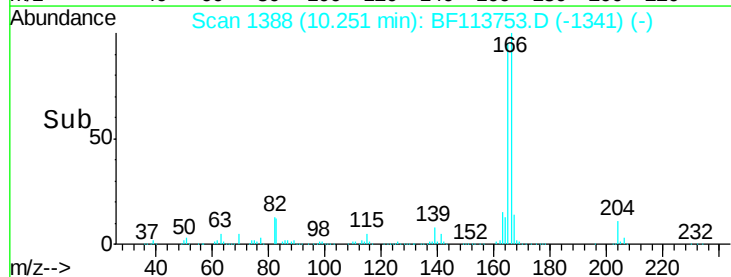


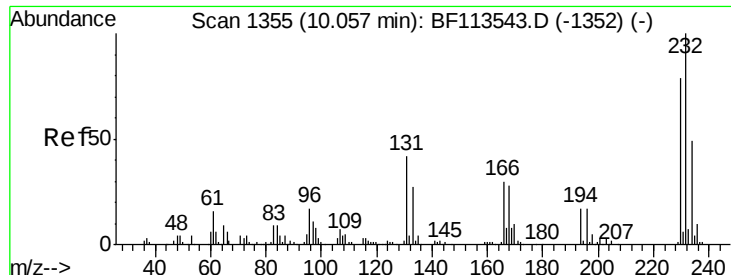
#58  
Fluorene  
Concen: 39.099 ng  
RT: 10.25 min Scan# 1388  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion:166 Resp: 528736  
Ion Ratio Lower Upper  
166 100  
165 95.0 76.2 114.2  
167 14.0 10.7 16.1



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

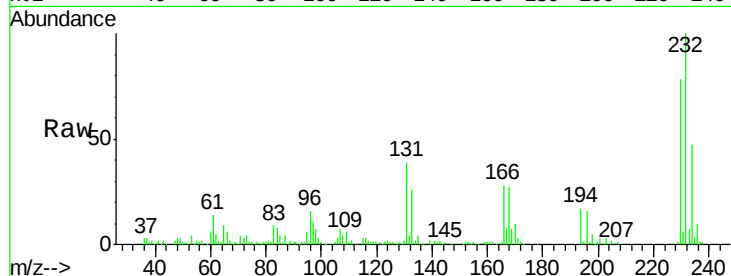




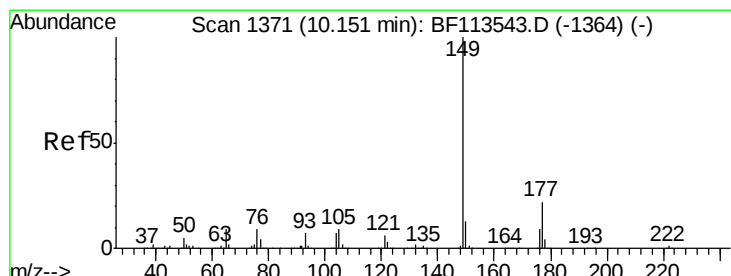
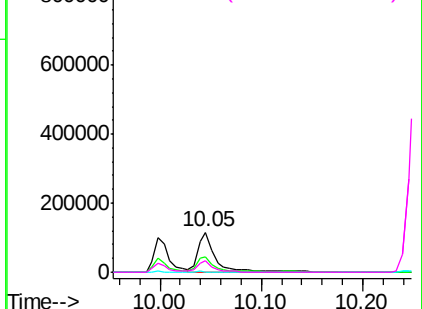
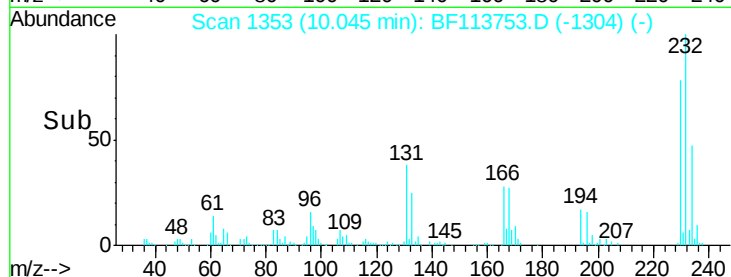
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 34.985 ng  
 RT: 10.05 min Scan# 1353  
 Delta R.T. -0.01 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 37.2  | 33.2  | 49.8  |
| 130     | 2.2   | 1.6   | 2.4   |
| 166     | 25.5  | 21.0  | 31.6  |

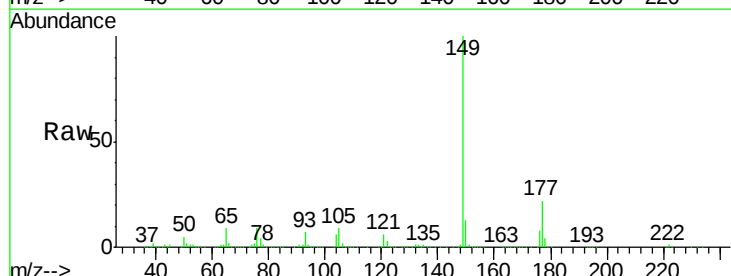


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

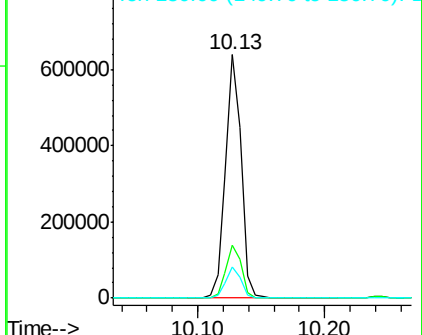
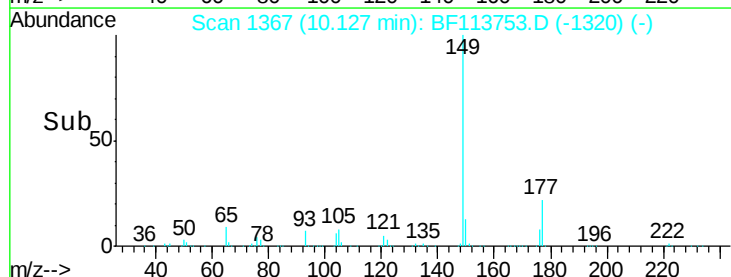


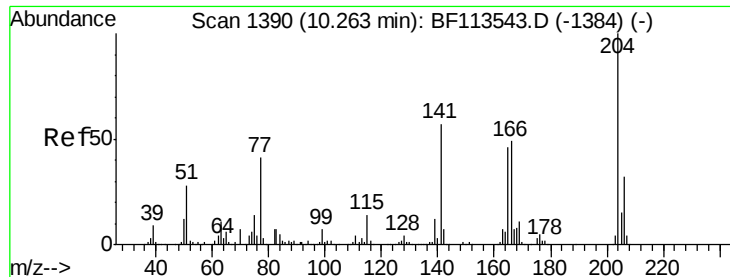
#60  
 Diethylphthalate  
 Concen: 38.261 ng  
 RT: 10.13 min Scan# 1367  
 Delta R.T. -0.02 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.7  | 17.4  | 26.0  |
| 150     | 12.6  | 10.0  | 15.0  |



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

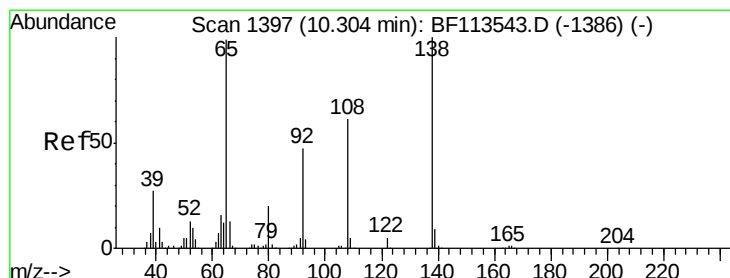
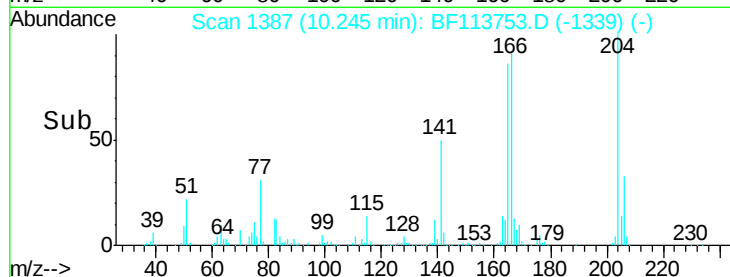
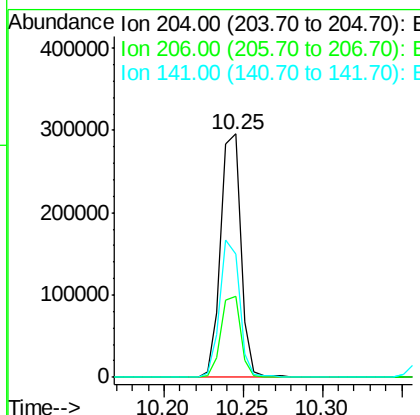
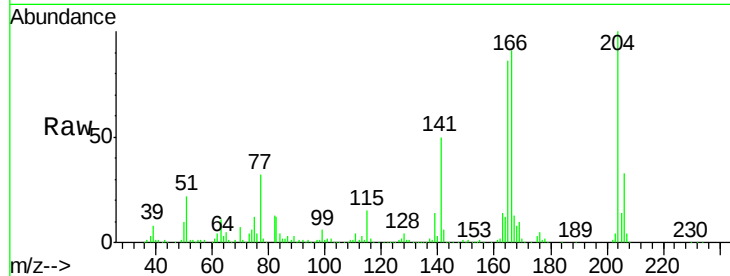




#61  
 4-Chlorophenyl-phenylether  
 Concen: 39.586 ng  
 RT: 10.25 min Scan# 1387  
 Delta R.T. -0.02 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

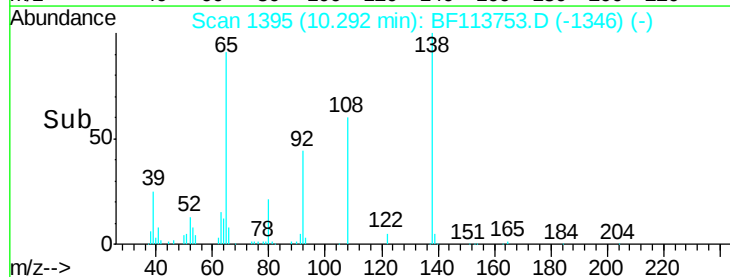
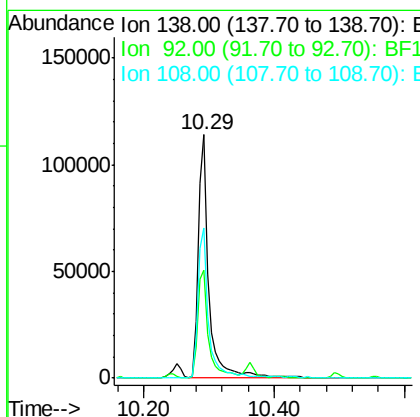
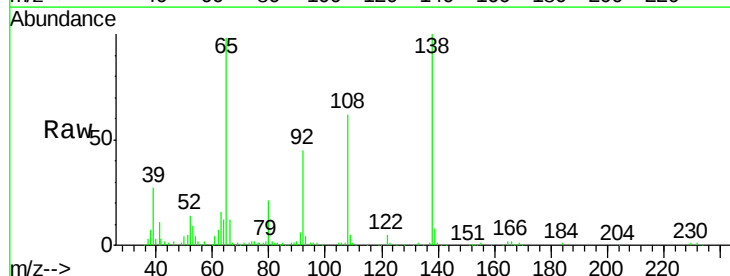
Instrument :  
 BNA\_F  
 ClientSampleId :

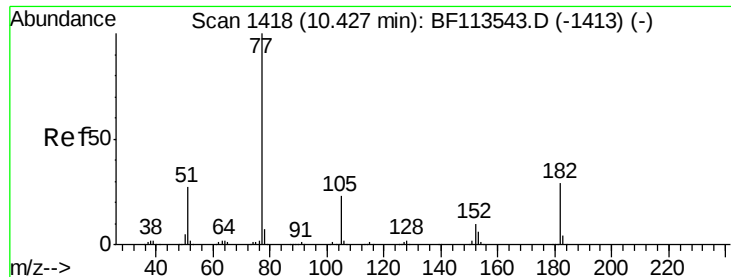
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.2  | 26.9  | 40.3  |
| 141     | 50.5  | 48.8  | 73.2  |



#62  
 4-Nitroaniline  
 Concen: 34.152 ng  
 RT: 10.29 min Scan# 1395  
 Delta R.T. -0.01 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 44.5  | 25.8  | 65.8  |
| 108     | 61.6  | 44.0  | 84.0  |

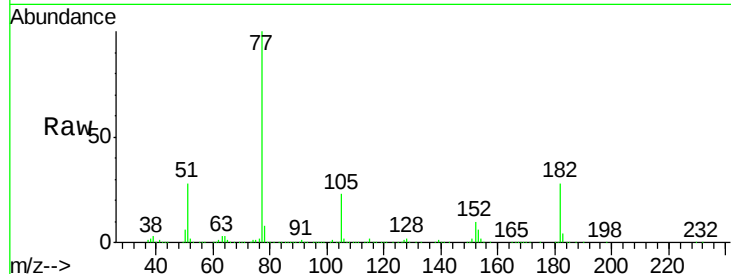




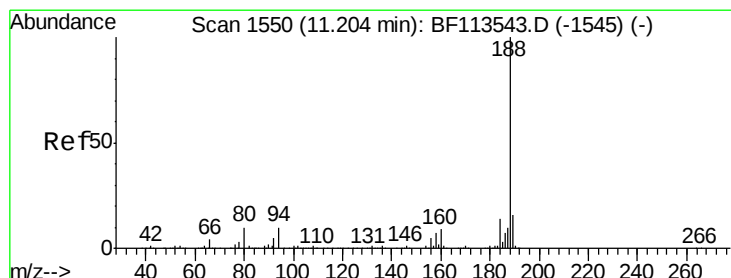
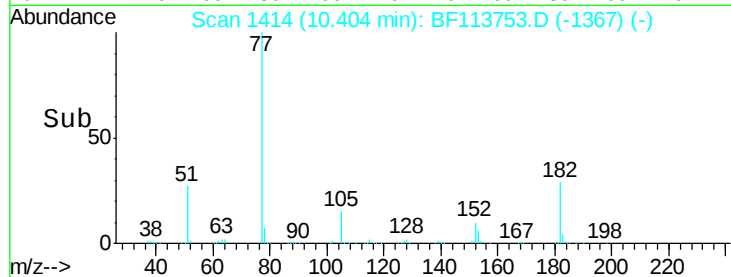
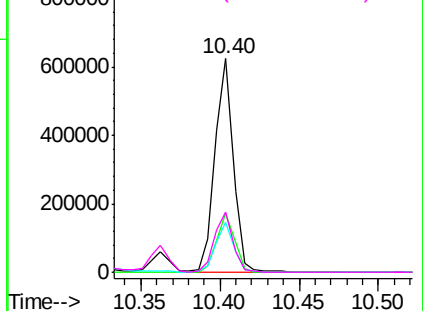
#63  
Azobenzene  
Concen: 37.030 ng  
RT: 10.40 min Scan# 1414  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 77 Resp: 499409  
Ion Ratio Lower Upper  
77 100  
182 27.7 8.7 48.7  
105 23.4 2.9 42.9  
51 28.4 8.8 48.8

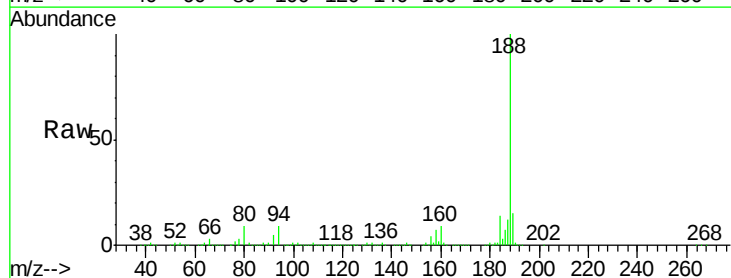


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1

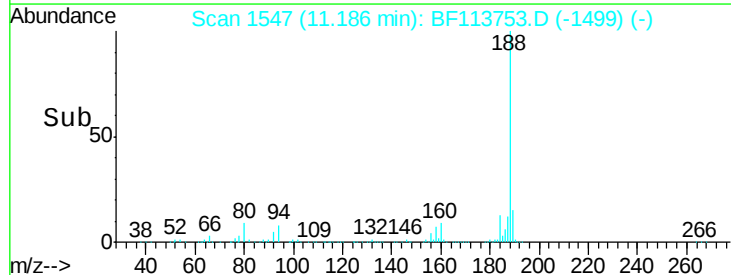
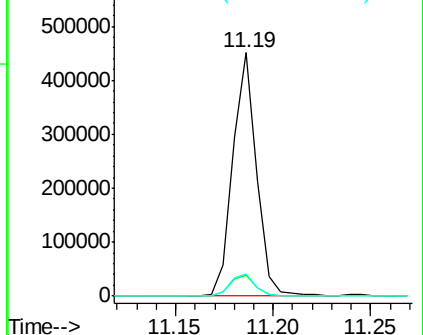


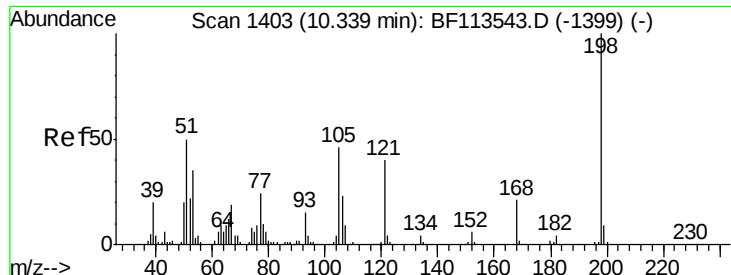
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.19 min Scan# 1547  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion: 188 Resp: 380582  
Ion Ratio Lower Upper  
188 100  
94 8.8 7.0 10.6  
80 9.0 7.7 11.5



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

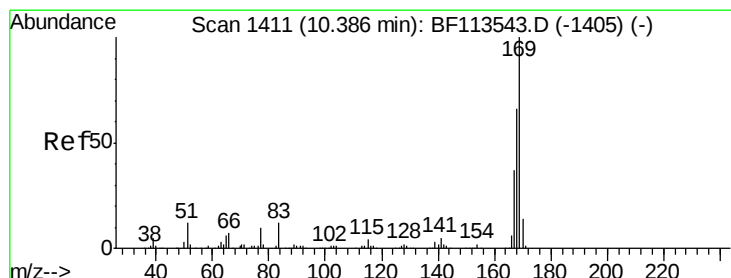
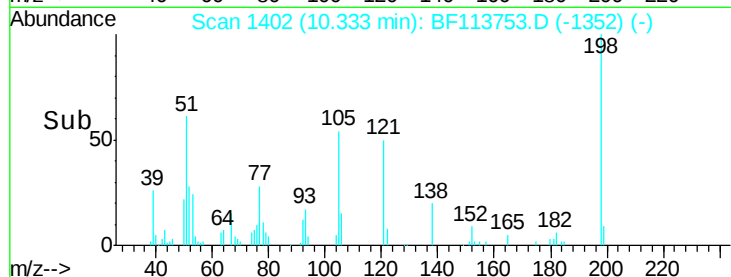
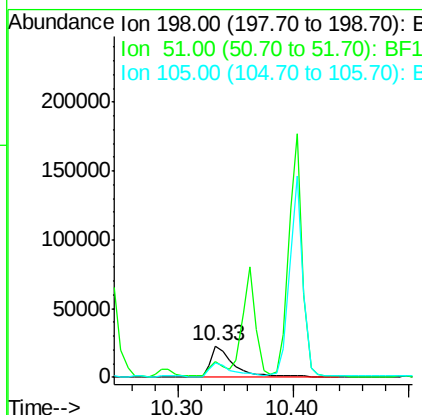
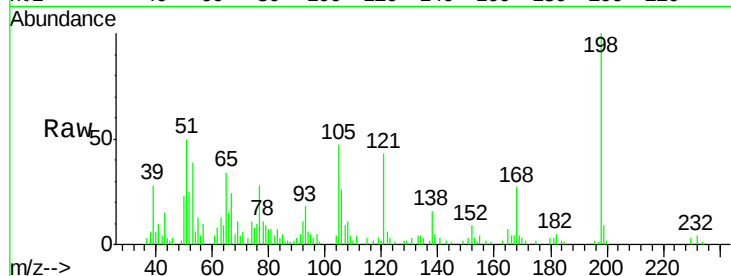




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 16.447 ng  
 RT: 10.33 min Scan# 1402  
 Delta R.T. -0.01 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

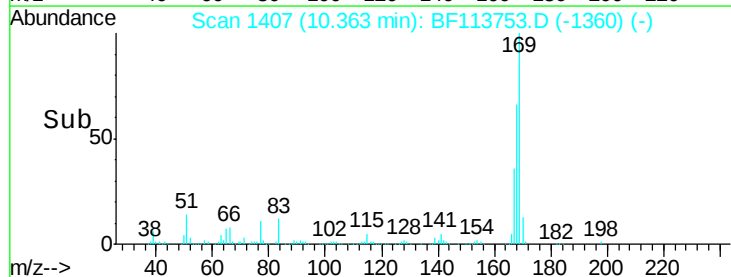
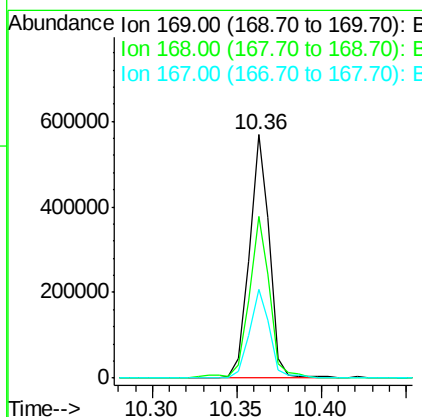
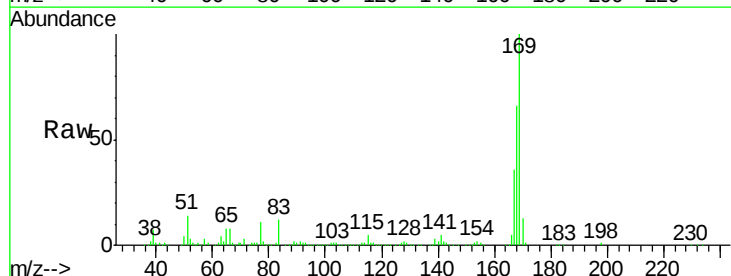
Instrument :  
 BNA\_F  
 ClientSampled :

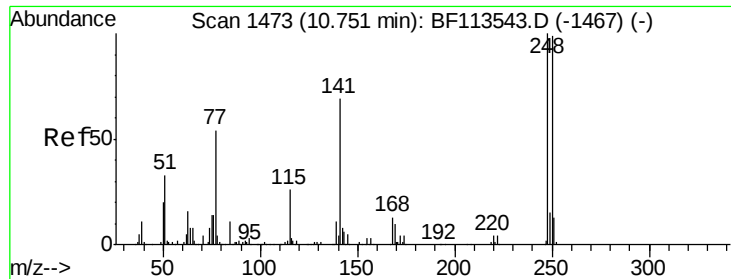
Tot Ion:198 Resp: 32953  
 Ion Ratio Lower Upper  
 198 100  
 51 50.2 21.6 61.6  
 105 46.6 20.6 60.6



#66  
 n-Nitrosodiphenylamine  
 Concen: 40.559 ng  
 RT: 10.36 min Scan# 1407  
 Delta R.T. -0.02 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

Tgt Ion:169 Resp: 473882  
 Ion Ratio Lower Upper  
 169 100  
 168 66.3 53.7 80.5  
 167 36.3 29.5 44.3

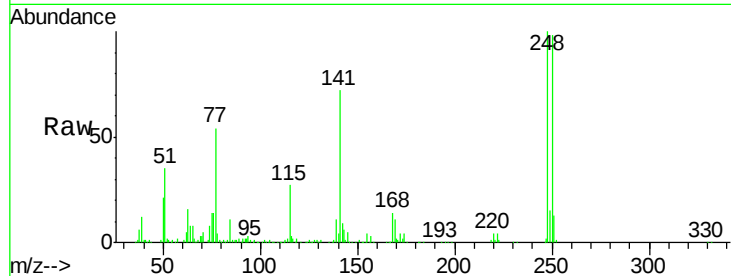




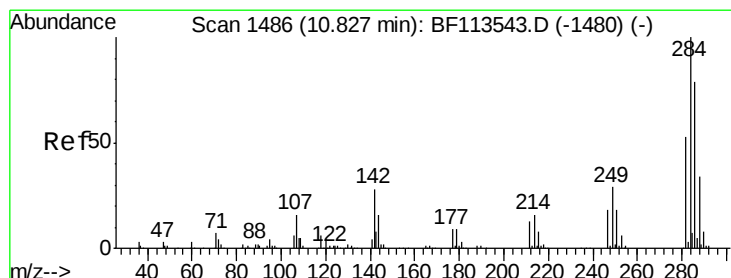
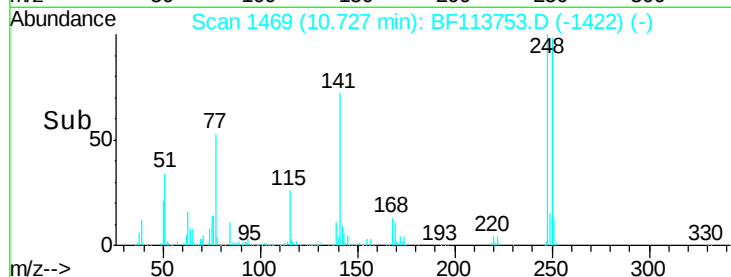
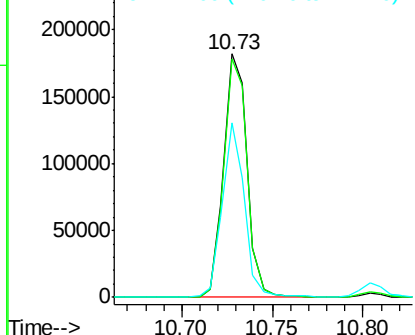
#67  
4-Bromophenyl-phenylether  
Concen: 38.546 ng  
RT: 10.73 min Scan# 1469  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 164531  
Ion Ratio Lower Upper  
248 100  
250 97.7 78.3 117.5  
141 71.9 56.2 84.4

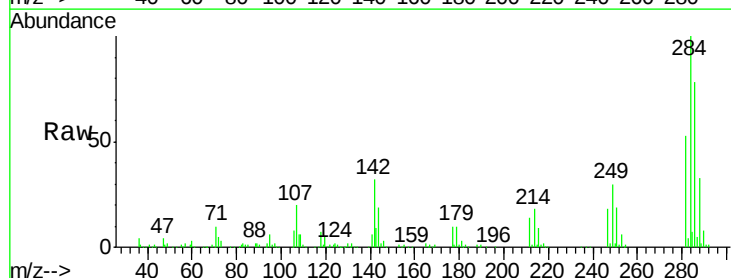


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

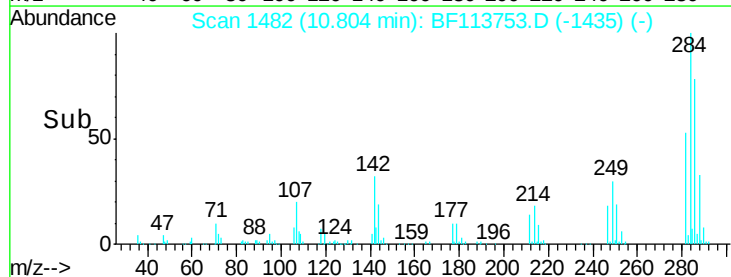
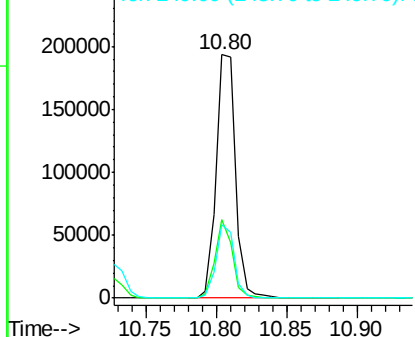


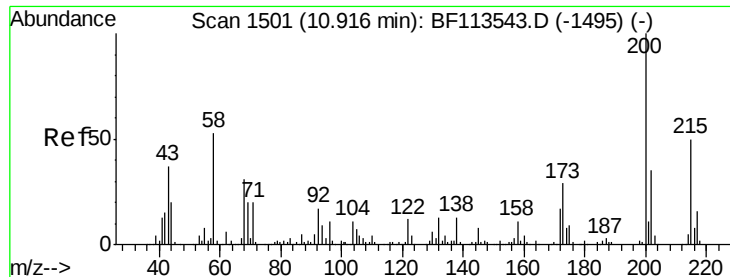
#68  
Hexachlorobenzene  
Concen: 37.761 ng  
RT: 10.80 min Scan# 1482  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion:284 Resp: 184682  
Ion Ratio Lower Upper  
284 100  
142 32.4 20.1 30.1#  
249 30.2 22.7 34.1



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: 38.755 ng

RT: 10.89 min Scan# 1497

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampled :

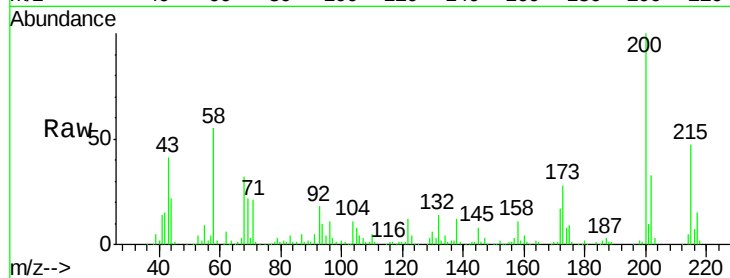
Tot Ion:200 Resp: 142720

Ion Ratio Lower Upper

200 100

173 28.0 6.0 46.0

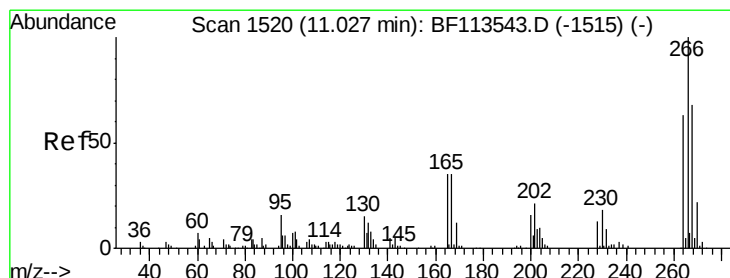
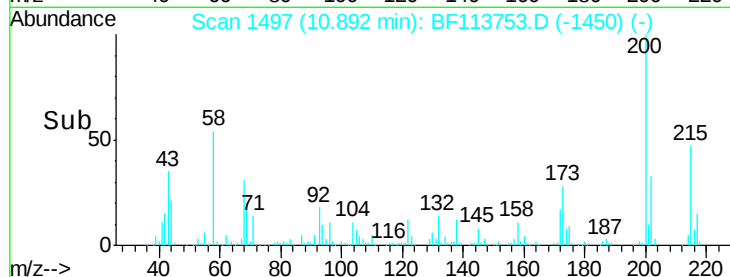
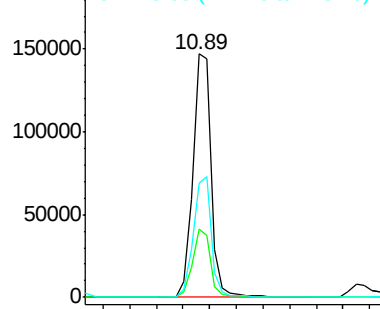
215 47.2 31.3 71.3



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: 37.485 ng

RT: 11.01 min Scan# 1517

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

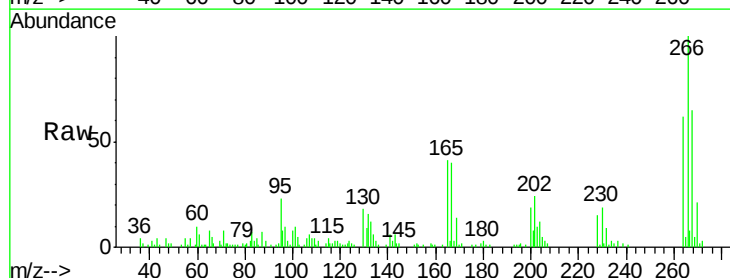
Tgt Ion:266 Resp: 86389

Ion Ratio Lower Upper

266 100

268 69.8 53.8 80.6

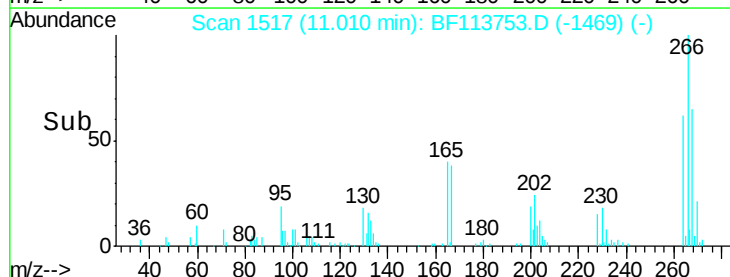
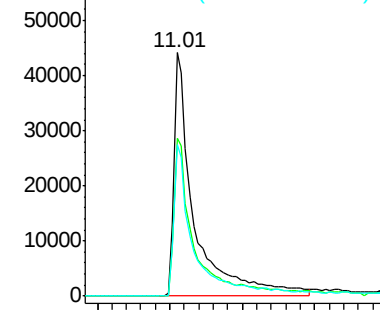
264 62.2 49.2 73.8

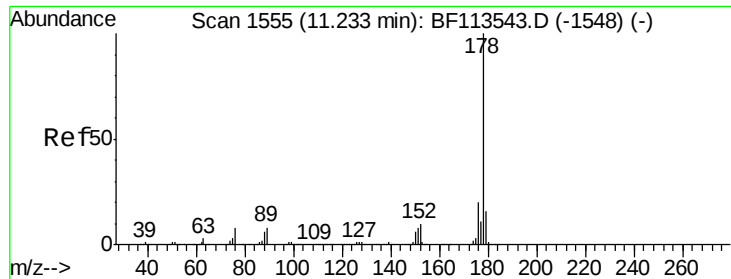


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

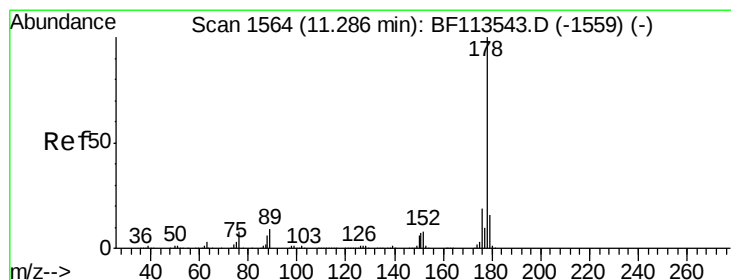
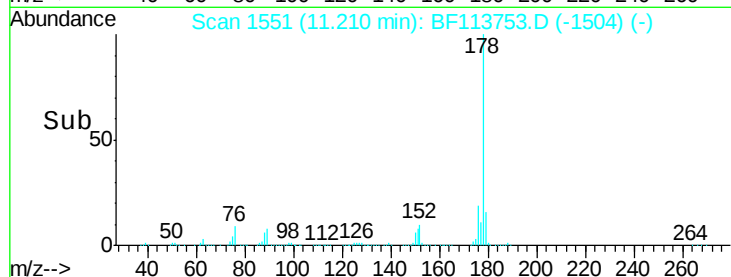
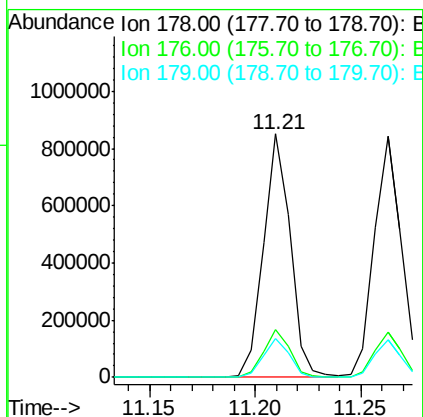
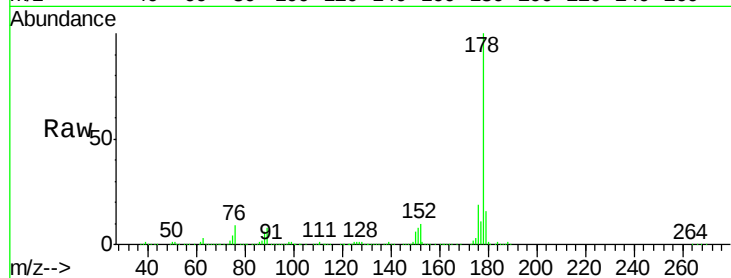




#71  
Phenanthrene  
Concen: 39.944 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

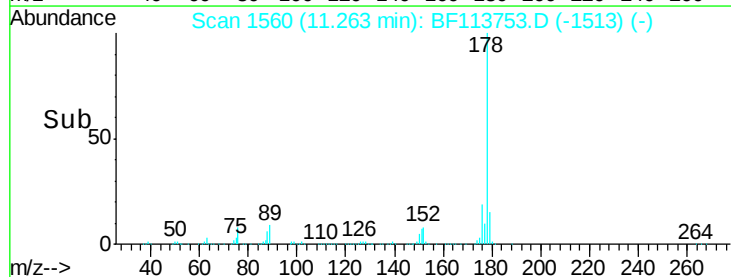
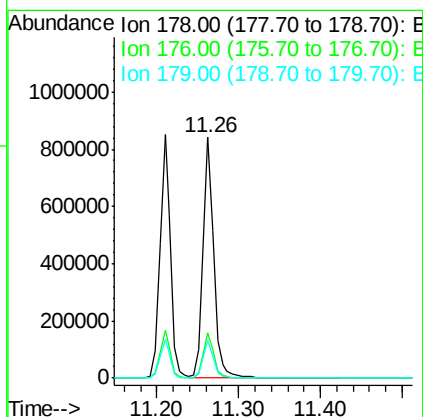
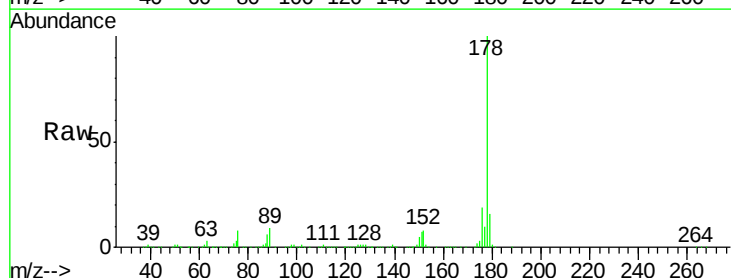
Instrument :  
BNA\_F  
ClientSampleId :

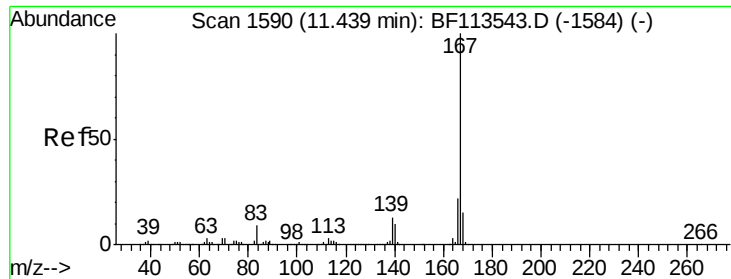
Tot Ion:178 Resp: 755404  
Ion Ratio Lower Upper  
178 100  
176 19.4 16.2 24.2  
179 15.8 12.7 19.1



#72  
Anthracene  
Concen: 41.250 ng  
RT: 11.26 min Scan# 1560  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion:178 Resp: 793682  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.4 23.2  
179 15.5 12.8 19.2

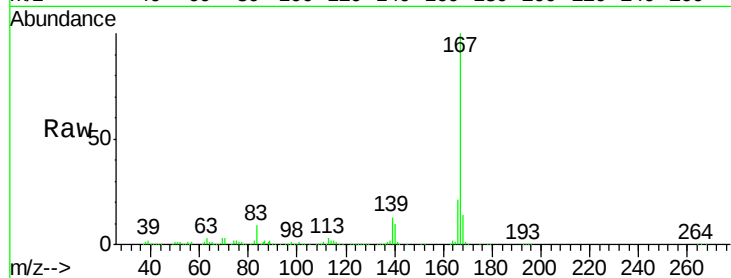




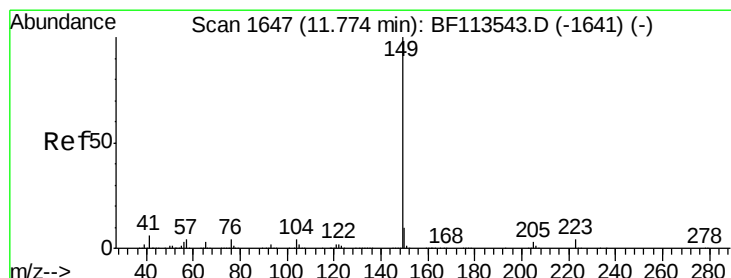
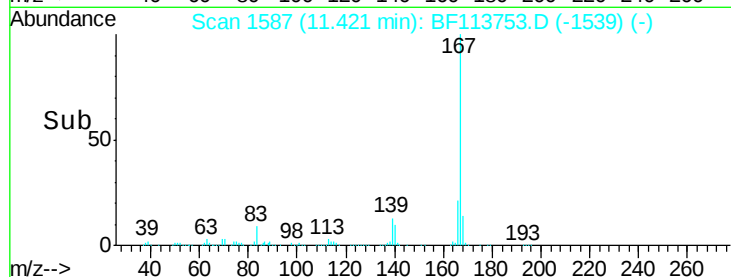
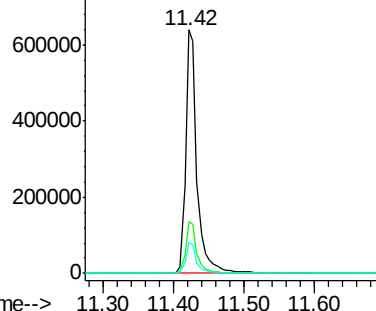
#73  
 Carbazole  
 Concen: 39.596 ng  
 RT: 11.42 min Scan# 1587  
 Delta R.T. -0.02 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.2  | 17.4  | 26.0  |
| 139     | 12.6  | 10.4  | 15.6  |

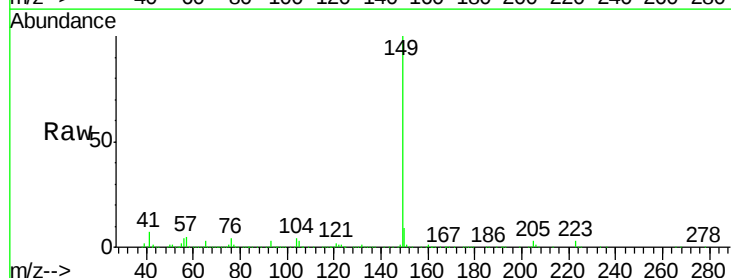


Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

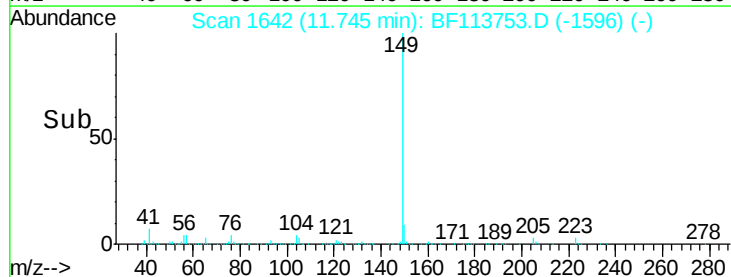
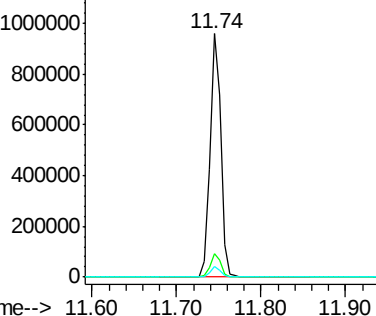


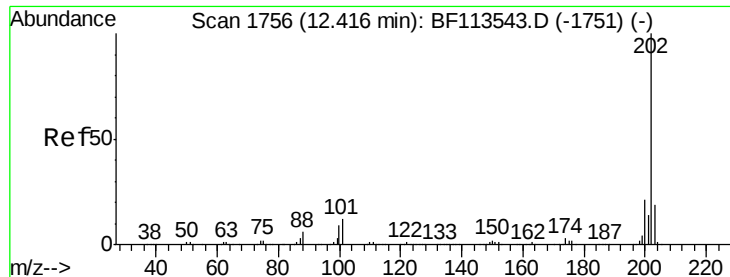
#74  
 Di-n-butylphthalate  
 Concen: 38.555 ng  
 RT: 11.74 min Scan# 1642  
 Delta R.T. -0.03 min  
 Lab File: BF113753.D  
 Acq: 12 Apr 2019 22:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.4   | 7.7   | 11.5  |
| 104     | 4.4   | 3.7   | 5.5   |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 37.465 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampled :

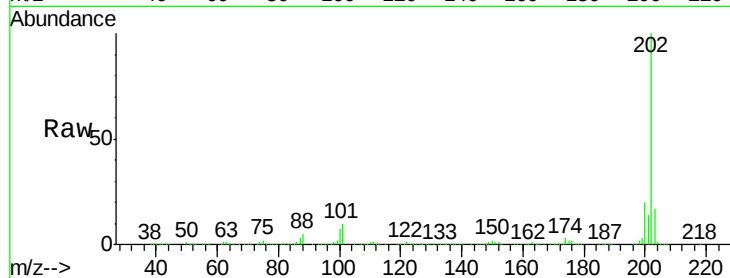
Tot Ion:202 Resp: 759223

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.4

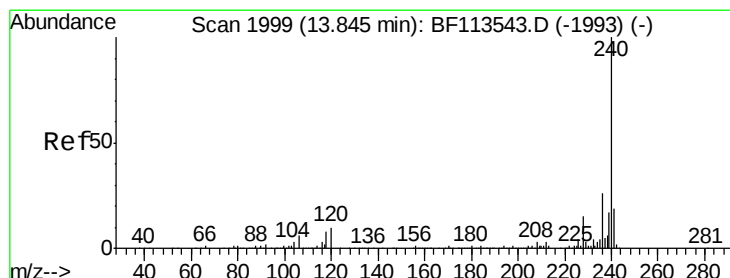
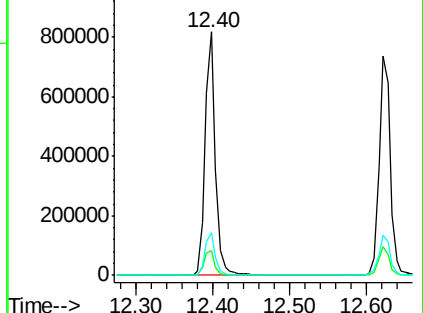
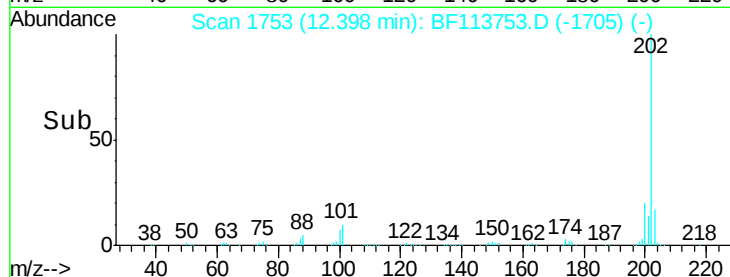
203 17.3 0.0 38.0



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: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

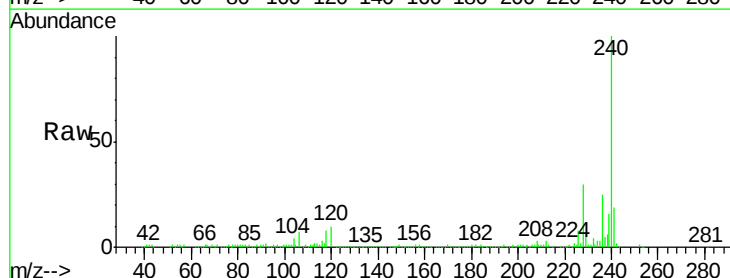
Tgt Ion:240 Resp: 249059

Ion Ratio Lower Upper

240 100

120 9.8 8.8 13.2

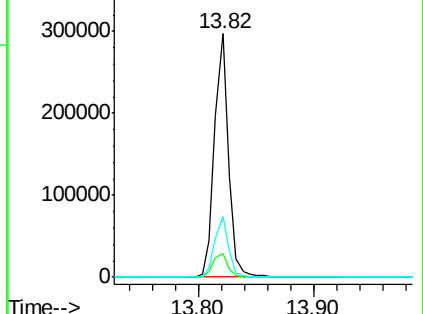
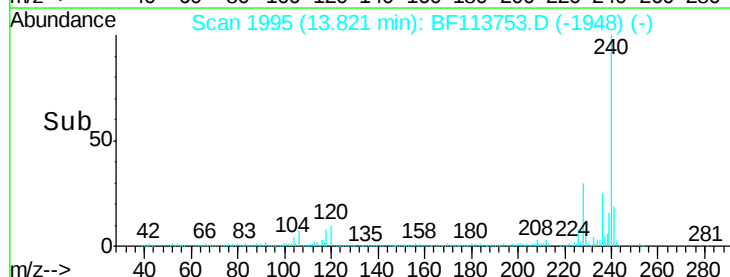
236 25.0 20.9 31.3

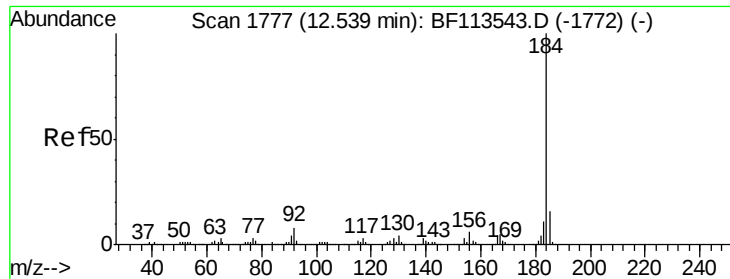


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

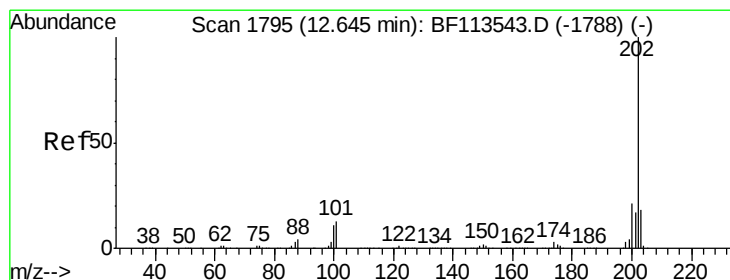
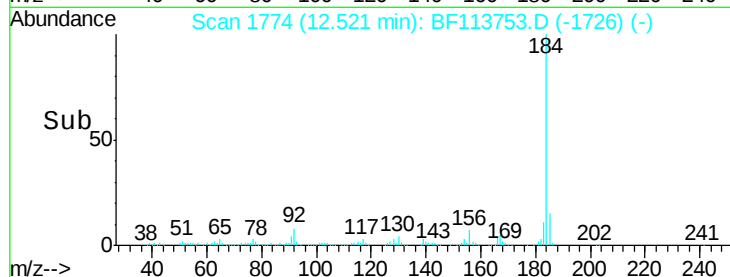
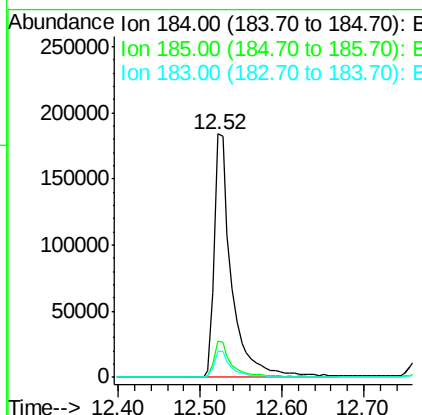
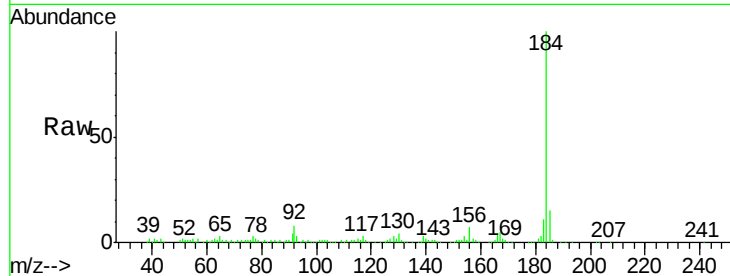




#77  
Benzidine  
Concen: 29.692 ng  
RT: 12.52 min Scan# 1774  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

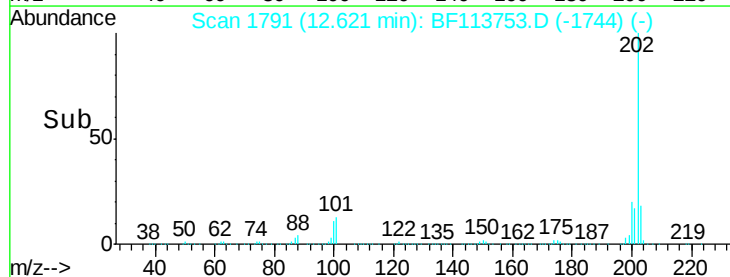
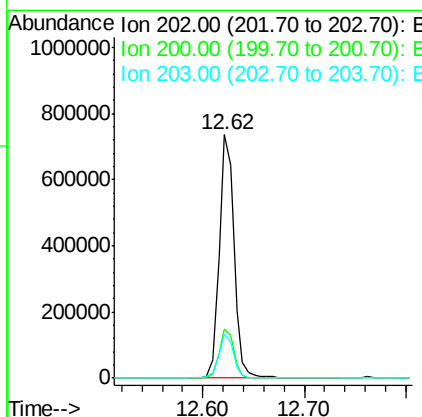
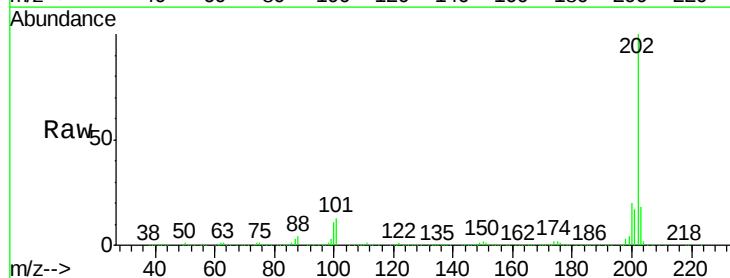
Instrument :  
BNA\_F  
ClientSampleId :

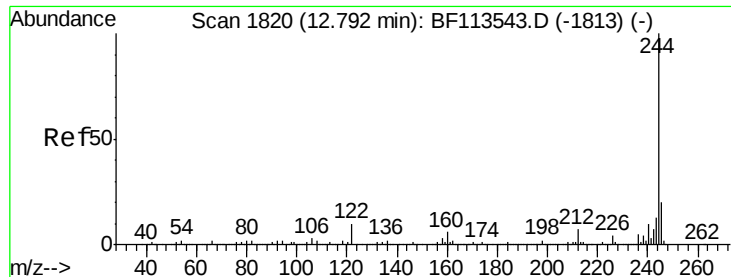
| Tot Ion   | 184  | Resp  | 274999 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 184       | 100  | 13.0  | 19.6   |
| 185       | 14.7 | 9.0   | 13.4   |
| 183       | 10.8 |       |        |



#78  
Pyrene  
Concen: 39.290 ng  
RT: 12.62 min Scan# 1791  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

| Tgt Ion   | 202  | Resp  | 744574 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 202       | 100  | 16.8  | 25.2   |
| 200       | 20.3 | 14.4  | 21.6   |
| 203       | 18.0 |       |        |





#79

Terphenyl-d14

Concen: 80.765 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampled :

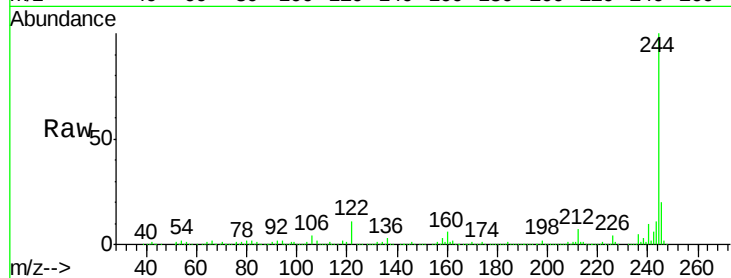
Tot Ion:244 Resp: 987970

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

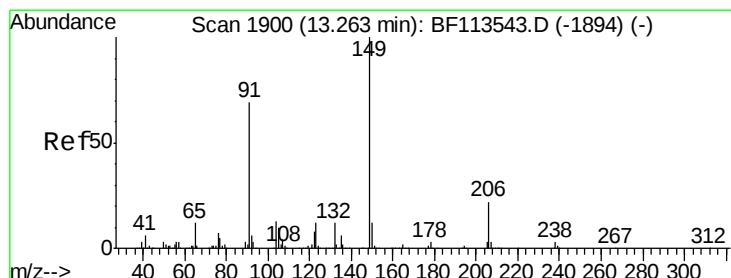
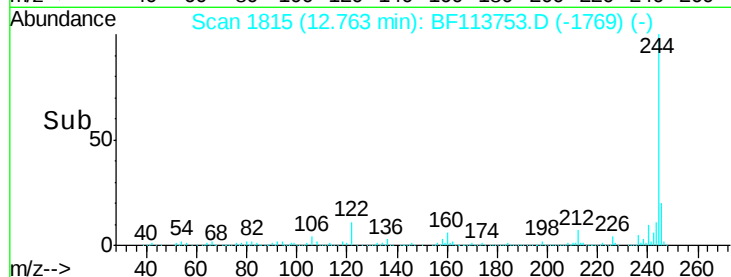
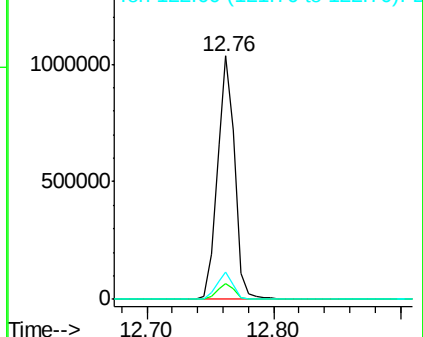
122 11.0 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 37.338 ng

RT: 13.23 min Scan# 1895

Delta R.T. -0.03 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

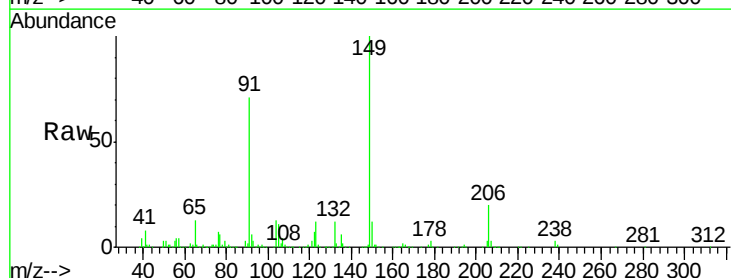
Tgt Ion:149 Resp: 288027

Ion Ratio Lower Upper

149 100

91 70.8 55.2 82.8

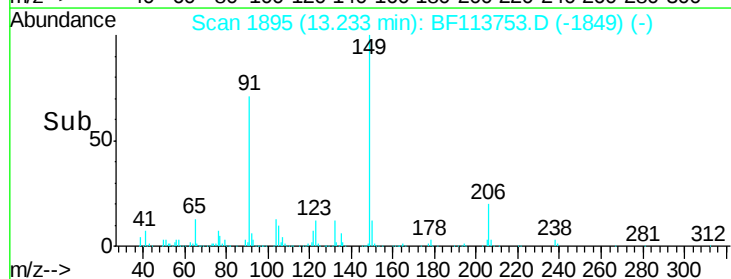
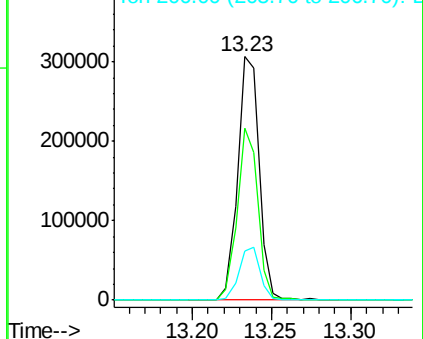
206 20.2 16.1 24.1

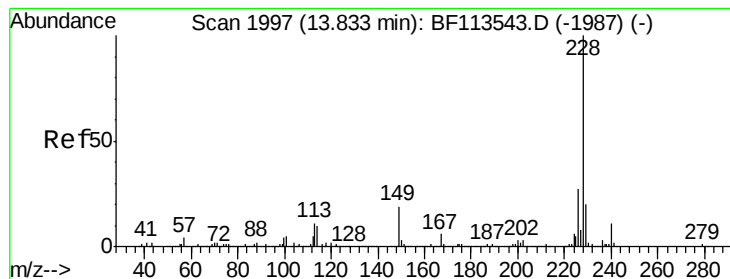


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 36.754 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

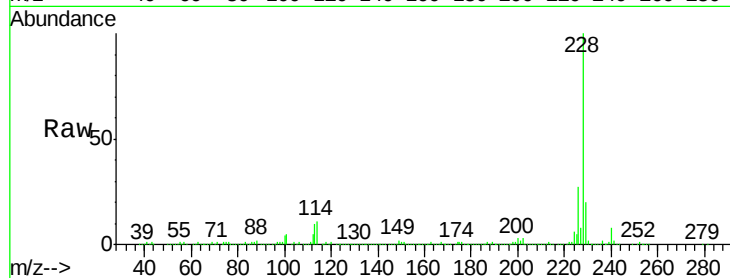
Tot Ion:228 Resp: 528050

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.8

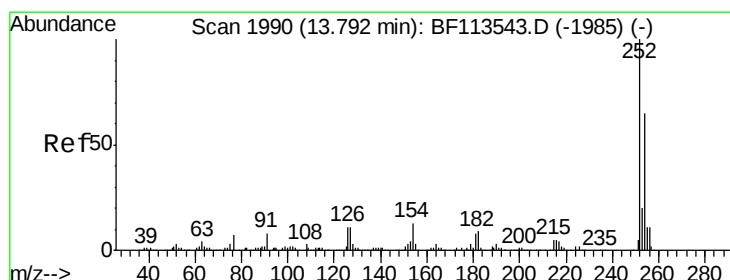
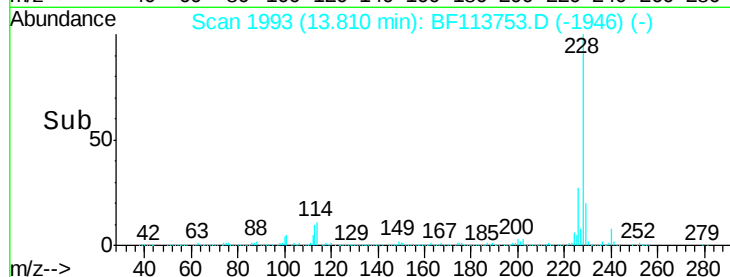
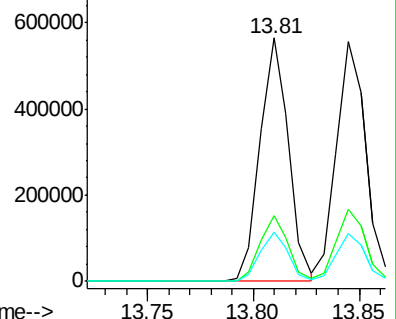
229 20.1 16.2 24.4



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: 24.895 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

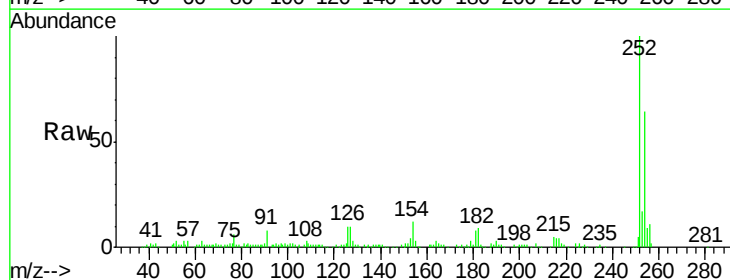
Tgt Ion:252 Resp: 137764

Ion Ratio Lower Upper

252 100

254 64.1 52.2 78.2

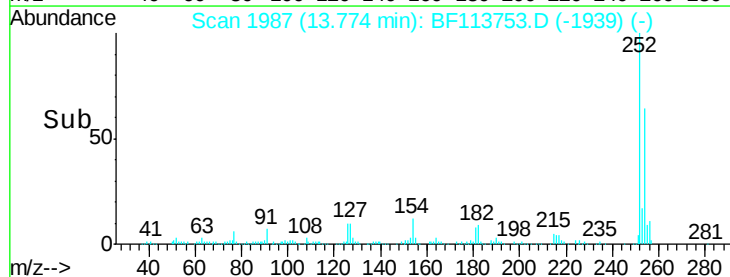
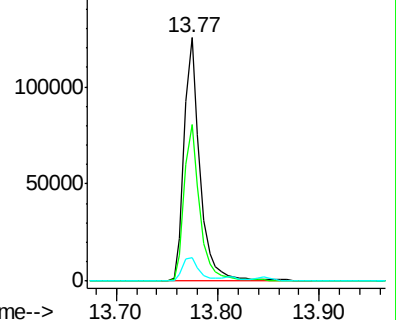
126 9.8 8.5 12.7

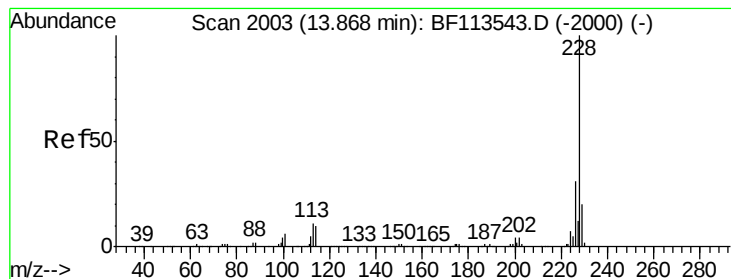


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 37.992 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

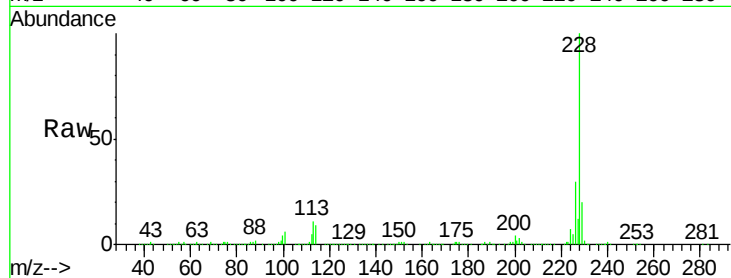
Tot Ion:228 Resp: 553327

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

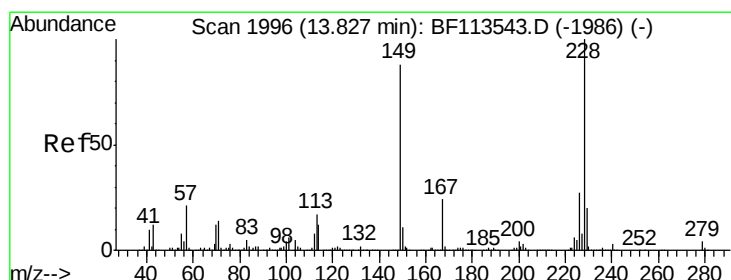
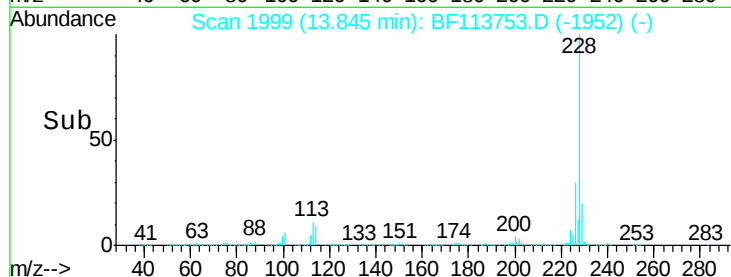
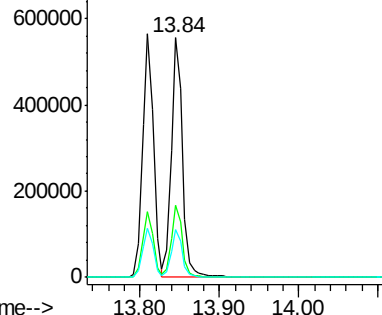
229 20.2 16.3 24.5



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: 39.240 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.04 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

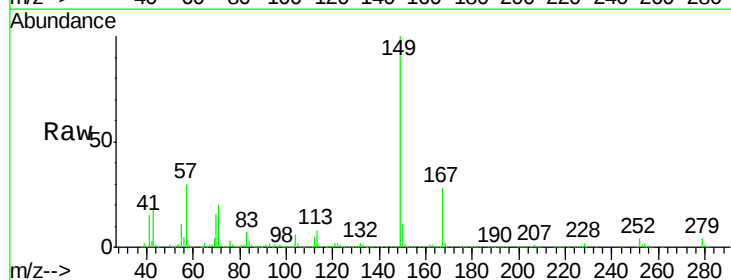
Tgt Ion:149 Resp: 365976

Ion Ratio Lower Upper

149 100

167 27.7 21.8 32.8

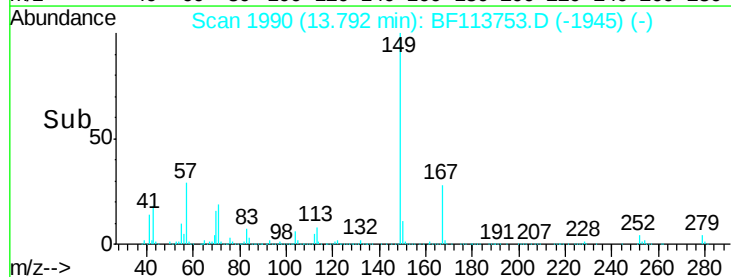
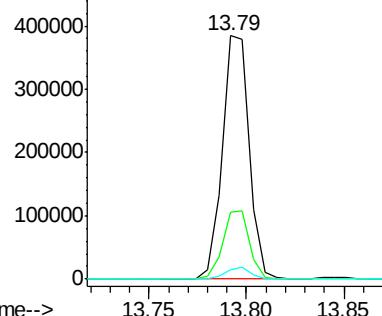
279 3.7 2.9 4.3

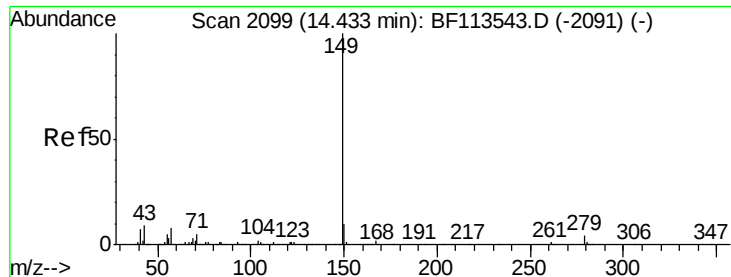


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 38.697 ng

RT: 14.40 min Scan# 2094

Delta R.T. -0.03 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

Instrument :

BNA\_F

ClientSampleId :

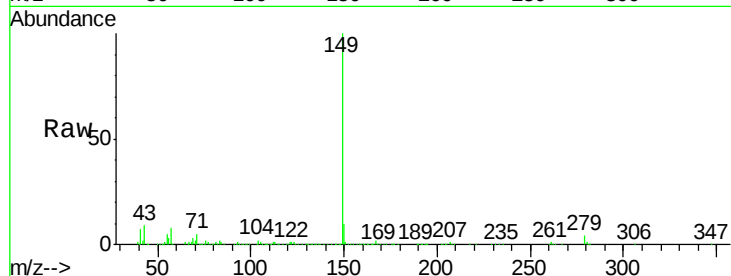
Tot Ion:149 Resp: 586661

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

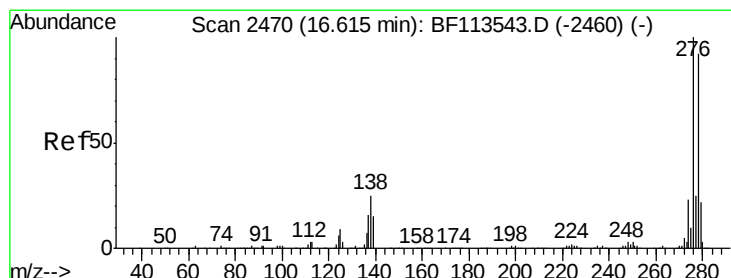
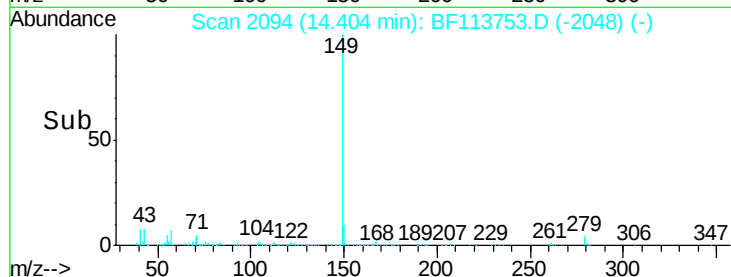
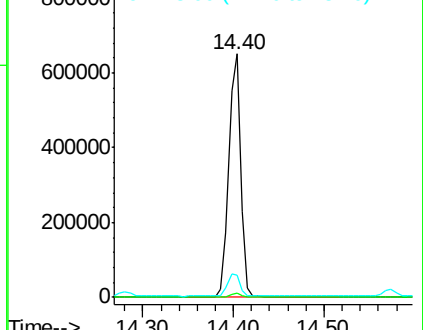
43 9.6 7.7 11.5



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: 59.278 ng

RT: 16.60 min Scan# 2467

Delta R.T. -0.02 min

Lab File: BF113753.D

Acq: 12 Apr 2019 22:23

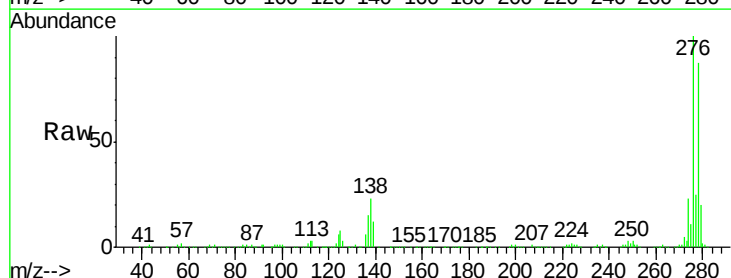
Tgt Ion:276 Resp: 797104

Ion Ratio Lower Upper

276 100

138 23.6 18.1 27.1

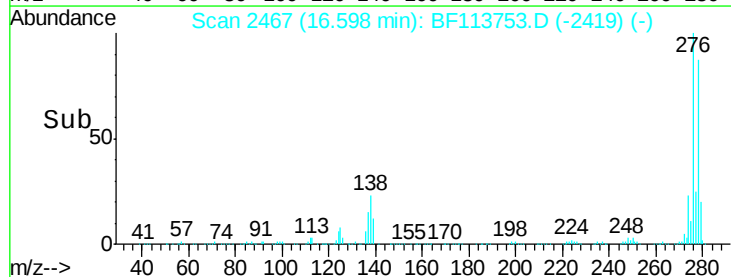
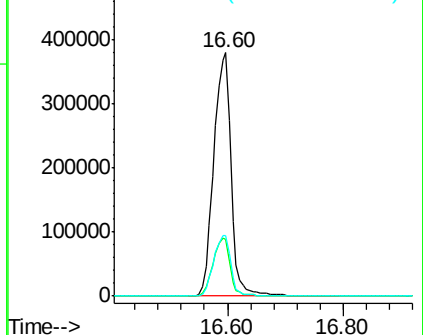
277 25.0 20.2 30.4

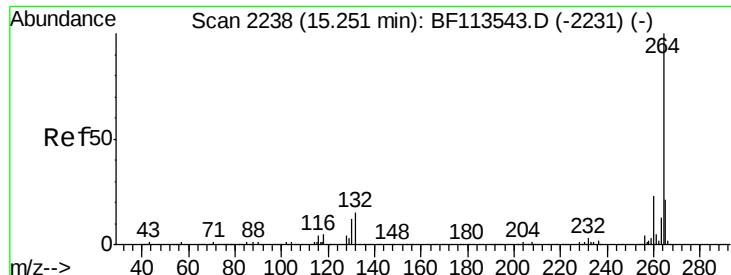


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

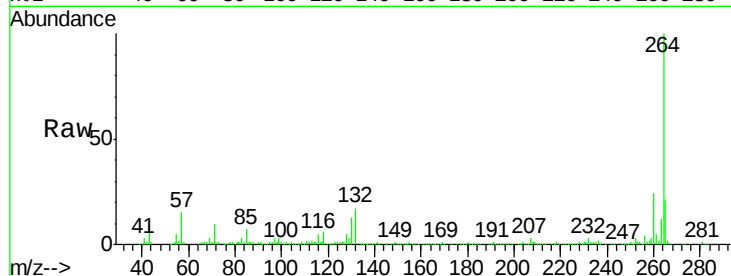




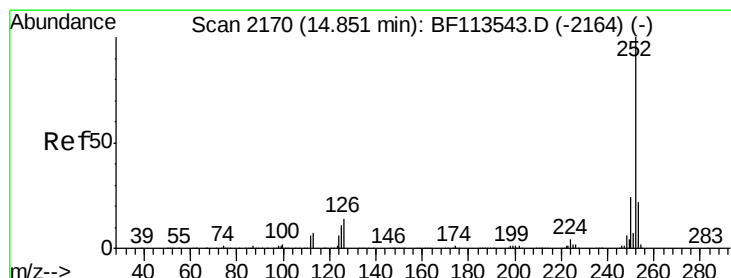
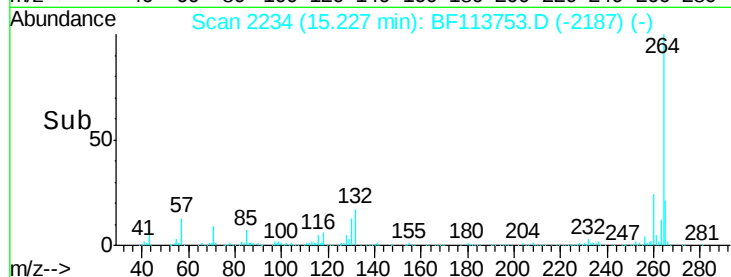
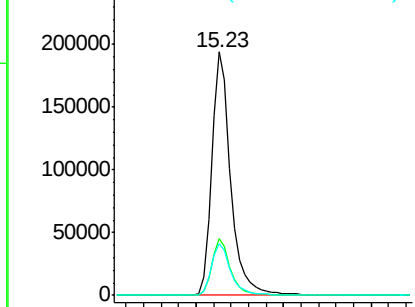
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.23 min Scan# 2234  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 290484  
Ion Ratio Lower Upper  
264 100  
260 23.5 19.1 28.7  
265 21.0 17.1 25.7

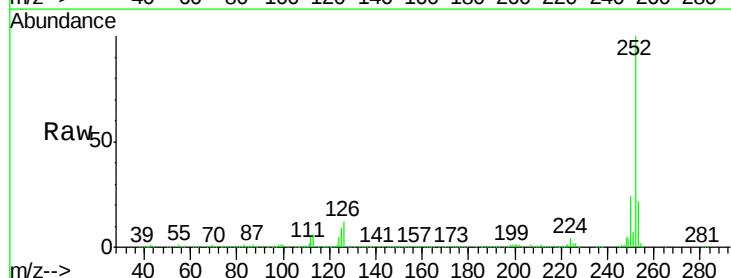


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

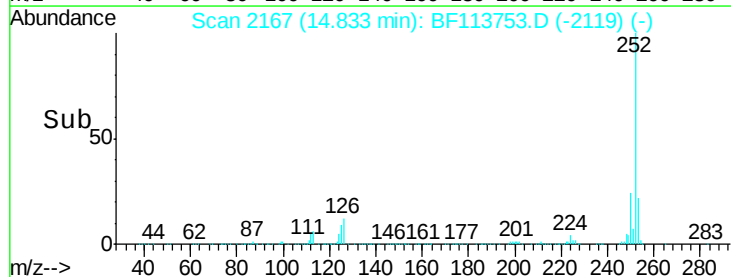
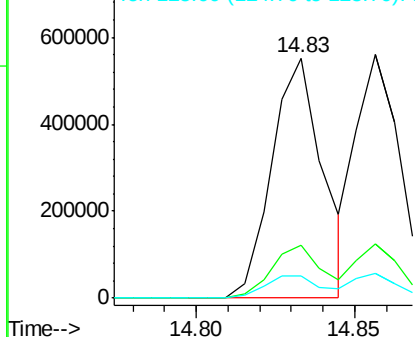


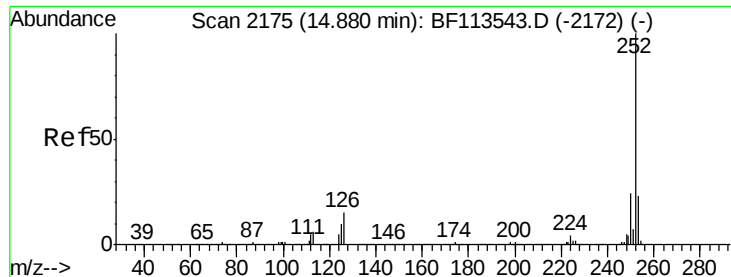
#88  
Benzo(b)fluoranthene  
Concen: 34.814 ng  
RT: 14.83 min Scan# 2167  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion:252 Resp: 619031  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.0 27.0  
125 9.2 7.6 11.4



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

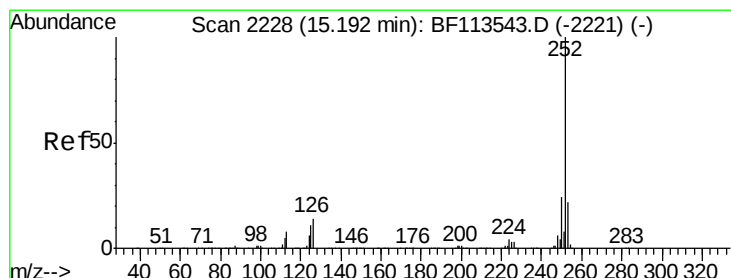
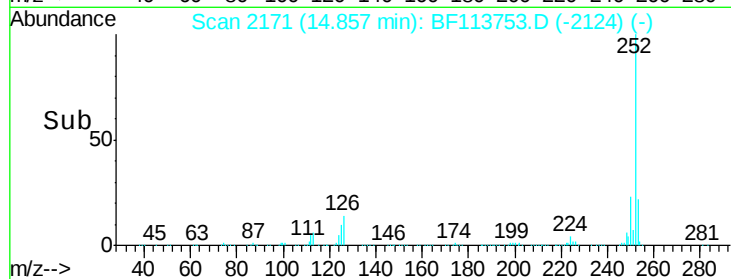
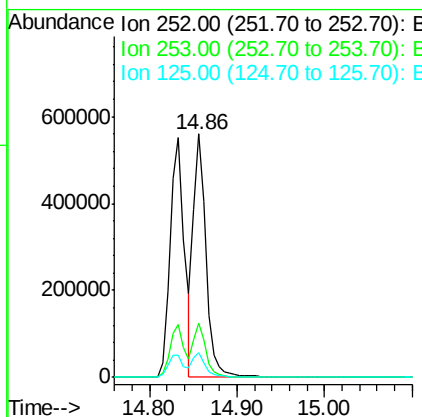
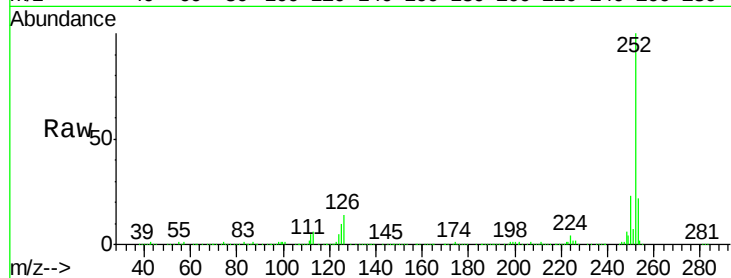




#89  
Benzo(k)fluoranthene  
Concen: 35.933 ng  
RT: 14.86 min Scan# 2171  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

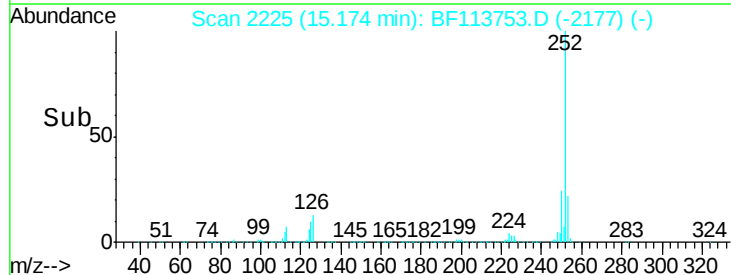
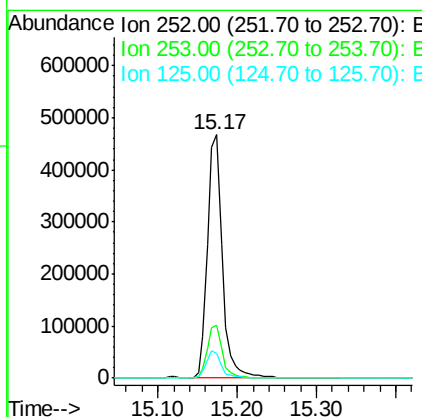
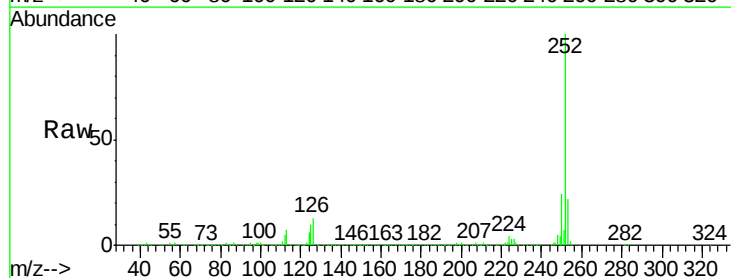
Instrument :  
BNA\_F  
ClientSampleId :

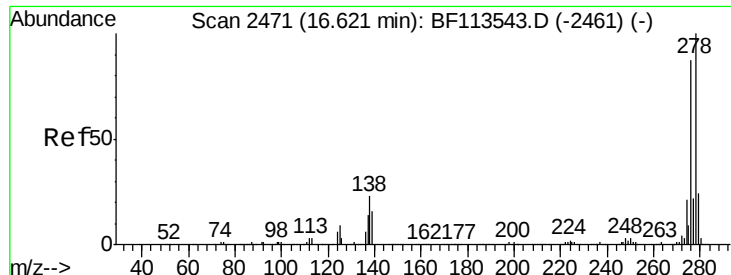
Tot Ion:252 Resp: 573424  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.7 26.5  
125 10.0 7.3 10.9



#90  
Benzo(a)pyrene  
Concen: 38.779 ng  
RT: 15.17 min Scan# 2225  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion:252 Resp: 612728  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.9 26.9  
125 10.1 8.8 13.2



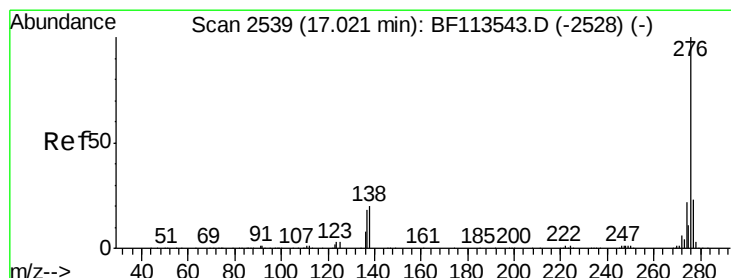
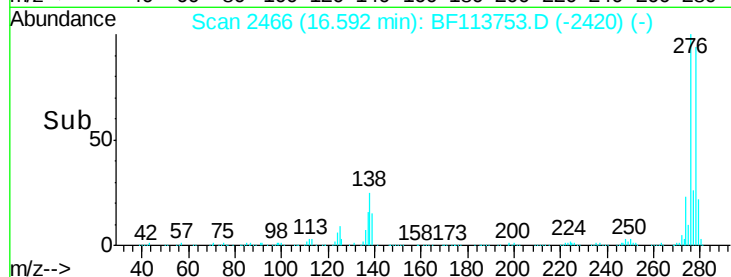
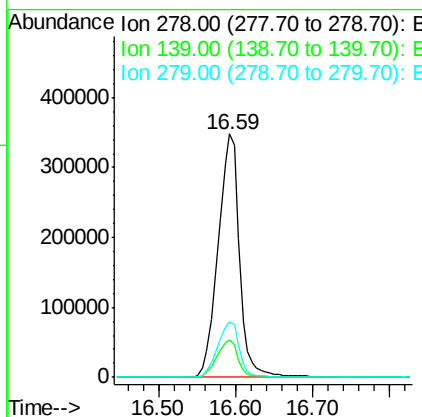
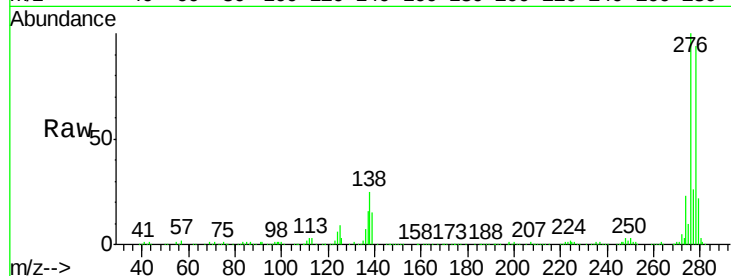


#91  
Dibenzo(a,h)anthracene  
Concen: 45.216 ng  
RT: 16.59 min Scan# 2466  
Delta R.T. -0.03 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:278 Resp: 668099  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 15.5  | 12.0  | 18.0  |
| 279 | 23.0  | 19.0  | 28.6  |



#92  
Benzo(g,h,i)perylene  
Concen: 46.331 ng  
RT: 17.00 min Scan# 2535  
Delta R.T. -0.02 min  
Lab File: BF113753.D  
Acq: 12 Apr 2019 22:23

Tgt Ion:276 Resp: 698735  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.9  | 18.8  | 28.2  |
| 138 | 19.6  | 15.6  | 23.4  |

