

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\  
 Data File : BF113965.D  
 Acq On : 24 Apr 2019 16:55  
 Operator : JU/SJ  
 Sample : K2487-03MS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 25 01:24:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 23 03:32:35 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.90  | 152  | 142337   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.18  | 136  | 512842   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.93  | 164  | 253691   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.42 | 188  | 473344   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.06 | 240  | 320344   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.53 | 264  | 399336   | 20.00 | ng    | -0.04    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.52  | 112 | 578185  | 69.48  | ng | 0.00 |
| 7) Phenol-d6             | 6.52  | 99  | 502493  | 48.13  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.46  | 82  | 826584  | 99.52  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.72 | 330 | 402070  | 130.10 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.26  | 172 | 1578267 | 97.30  | ng | 0.00 |
| 79) Terphenyl-d14        | 13.00 | 244 | 1574314 | 100.75 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.72 | 88  | 86988   | 22.174 | ng | 99     |
| 3) Pyridine                    | 3.48 | 79  | 198620  | 18.549 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.42 | 42  | 79407   | 21.664 | ng | 94     |
| 6) Aniline                     | 6.56 | 93  | 339897  | 23.707 | ng | 100    |
| 8) 2-Chlorophenol              | 6.69 | 128 | 330945  | 34.831 | ng | 95     |
| 9) Benzaldehyde                | 6.44 | 77  | 107283  | 13.638 | ng | 98     |
| 10) Phenol                     | 6.53 | 94  | 200992  | 16.099 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.63 | 93  | 389787  | 41.488 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.84 | 146 | 360836  | 33.532 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.92 | 146 | 371339  | 34.309 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.07 | 146 | 354513  | 35.640 | ng | 99     |
| 15) Benzyl Alcohol             | 7.03 | 79  | 225656  | 32.090 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45  | 441940  | 40.296 | ng | 93     |
| 17) 2-Methylphenol             | 7.15 | 107 | 266377  | 31.984 | ng | 98     |
| 18) Hexachloroethane           | 7.41 | 117 | 115544  | 30.454 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.31 | 70  | 281087  | 41.572 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.30 | 107 | 274648  | 29.188 | ng | # 57   |
| 22) Acetophenone               | 7.30 | 105 | 554467  | 48.584 | ng | 98     |
| 24) Nitrobenzene               | 7.47 | 77  | 433681  | 47.254 | ng | 100    |
| 25) Isophorone                 | 7.72 | 82  | 767814  | 45.178 | ng | 100    |
| 26) 2-Nitrophenol              | 7.79 | 139 | 199422  | 47.630 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.83 | 122 | 301464  | 44.192 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93  | 487975  | 45.059 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 8.03 | 162 | 332530  | 42.628 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene     | 8.12 | 180 | 337417  | 38.793 | ng | 98     |
| 31) Naphthalene                | 8.20 | 128 | 1042698 | 42.799 | ng | 100    |
| 32) Benzoic acid               | 7.91 | 122 | 52696   | 11.439 | ng | 97     |
| 33) 4-Chloroaniline            | 8.24 | 127 | 262893  | 25.502 | ng | 100    |
| 34) Hexachlorobutadiene        | 8.32 | 225 | 182873  | 33.727 | ng | 99     |
| 35) Caprolactam                | 8.60 | 113 | 23062   | 9.294  | ng | 86     |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 307096  | 39.736 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.89 | 142 | 708876  | 43.148 | ng | 97     |
| 38) 1-Methylnaphthalene        | 8.99 | 142 | 671374  | 42.340 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 370371  | 44.944 | ng | 99     |

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 Sample : K2487-03MS  
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 ALS Vial : 17 Sample Multiplier: 1

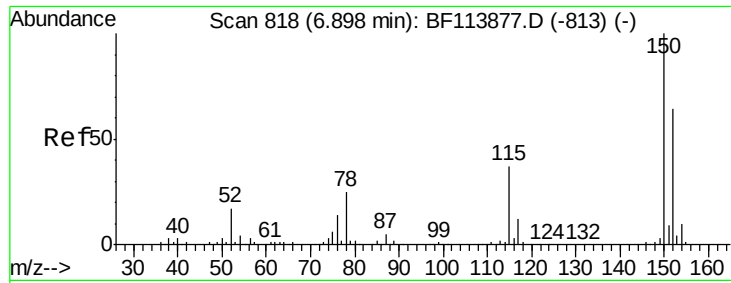
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 25 01:24:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 23 03:32:35 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.05  | 237  | 297220   | 64.678 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 9.17  | 196  | 246250   | 47.059 | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 9.21  | 196  | 275732   | 46.978 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.36  | 154  | 914364   | 47.180 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.38  | 162  | 725637   | 46.042 | ng    | 98       |
| 48) 2-Nitroaniline             | 9.47  | 65   | 206845   | 50.065 | ng    | 93       |
| 49) Acenaphthylene             | 9.80  | 152  | 1121483  | 45.454 | ng    | 99       |
| 50) Dimethylphthalate          | 9.65  | 163  | 906890   | 49.429 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.71  | 165  | 200489   | 50.935 | ng    | 93       |
| 52) Acenaphthene               | 9.97  | 154  | 715099   | 49.042 | ng    | 98       |
| 53) 3-Nitroaniline             | 9.87  | 138  | 120162   | 29.051 | ng    | 96       |
| 54) 2,4-Dinitrophenol          | 9.99  | 184  | 135647   | 79.688 | ng    | # 3      |
| 55) Dibenzofuran               | 10.14 | 168  | 1039940  | 47.612 | ng    | 98       |
| 56) 4-Nitrophenol              | 10.04 | 139  | 129211   | 39.454 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 10.12 | 165  | 259974   | 52.326 | ng    | 95       |
| 58) Fluorene                   | 10.48 | 166  | 775445   | 47.156 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.26 | 232  | 233508   | 45.272 | ng    | 98       |
| 60) Diethylphthalate           | 10.35 | 149  | 833972   | 47.866 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 10.47 | 204  | 413667   | 47.500 | ng    | 98       |
| 62) 4-Nitroaniline             | 10.49 | 138  | 172809   | 42.813 | ng    | 96       |
| 63) Azobenzene                 | 10.63 | 77   | 772763   | 45.763 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 95194    | 44.505 | ng    | 94       |
| 66) n-Nitrosodiphenylamine     | 10.59 | 169  | 703593   | 49.539 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.96 | 248  | 269046   | 47.051 | ng    | 96       |
| 68) Hexachlorobenzene          | 11.03 | 284  | 292187   | 46.499 | ng    | 98       |
| 69) Atrazine                   | 11.12 | 200  | 223123   | 48.293 | ng    | 100      |
| 70) Pentachlorophenol          | 11.22 | 266  | 297249   | 83.550 | ng    | 97       |
| 71) Phenanthrene               | 11.45 | 178  | 1124262  | 47.261 | ng    | 99       |
| 72) Anthracene                 | 11.49 | 178  | 1156434  | 48.140 | ng    | 100      |
| 73) Carbazole                  | 11.65 | 167  | 993286   | 46.347 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.97 | 149  | 1194470  | 47.380 | ng    | 100      |
| 75) Fluoranthene               | 12.63 | 202  | 1098547  | 42.328 | ng    | 99       |
| 77) Benzidine                  | 12.74 | 184  | 154845   | 16.223 | ng    | 99       |
| 78) Pyrene                     | 12.86 | 202  | 1080657  | 48.239 | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.47 | 149  | 443264   | 50.291 | ng    | 99       |
| 81) Benzo(a)anthracene         | 14.04 | 228  | 936703   | 49.629 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 14.00 | 252  | 281853   | 40.743 | ng    | # 97     |
| 83) Chrysene                   | 14.08 | 228  | 942122   | 51.254 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149  | 586694   | 52.317 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.64 | 149  | 971731   | 55.360 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.03 | 276  | 1388568  | 79.750 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 15.10 | 252  | 1099828  | 43.530 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.13 | 252  | 1048447  | 48.242 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.47 | 252  | 1078723  | 49.361 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.05 | 278  | 1148125  | 55.967 | ng    | 100      |
| 92) Benzo(g,h,i)perylene       | 17.49 | 276  | 1175914  | 56.801 | ng    | 98       |

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



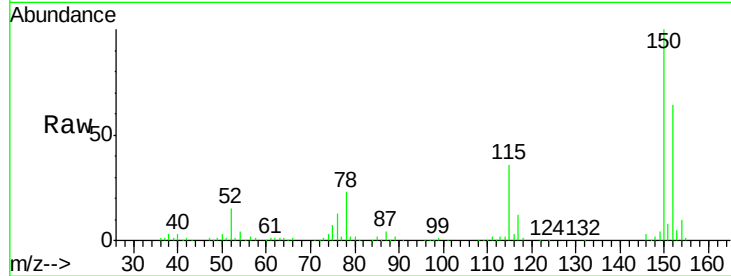


#1

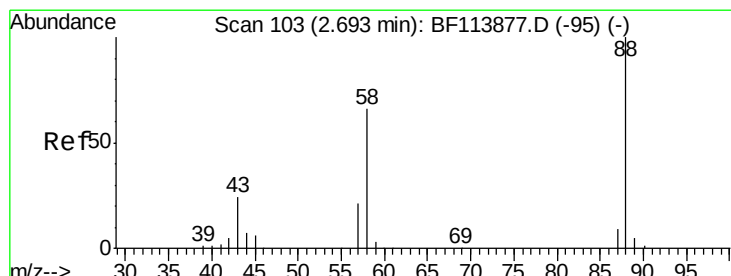
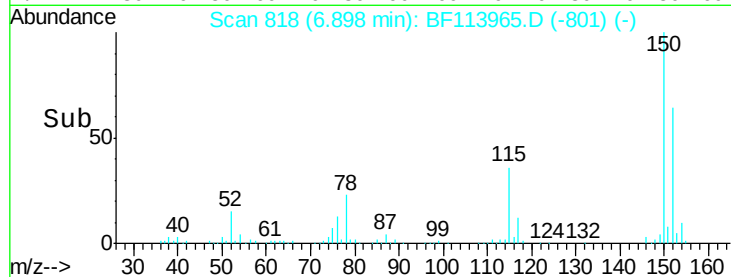
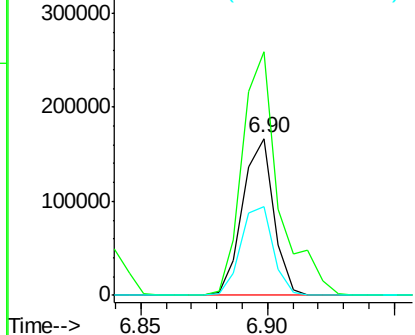
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.4 | 125.9 | 188.9 |
| 115     | 56.3  | 45.9  | 68.9  |



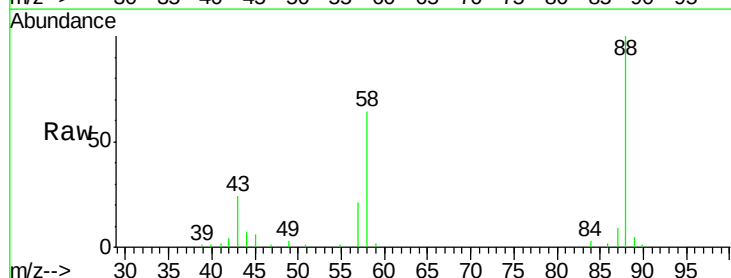
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



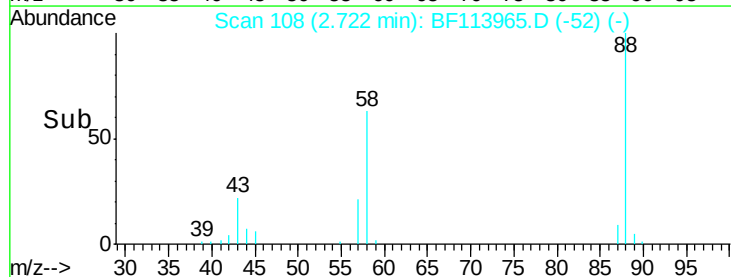
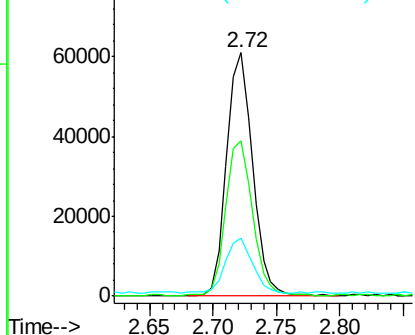
#2

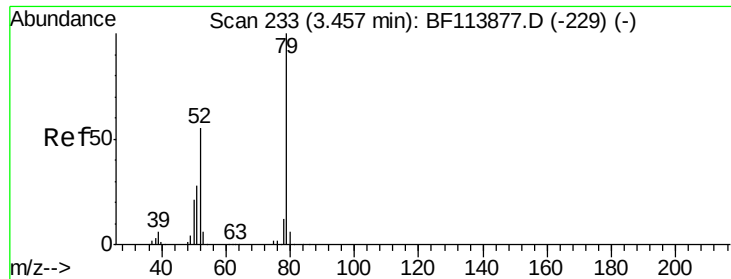
1,4-Dioxane  
Concen: 22.174 ng  
RT: 2.72 min Scan# 108  
Delta R.T. 0.03 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 66.0  | 53.3  | 79.9  |
| 43      | 23.1  | 19.0  | 28.4  |



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: 18.549 ng

RT: 3.48 min Scan# 237

Delta R.T. 0.02 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

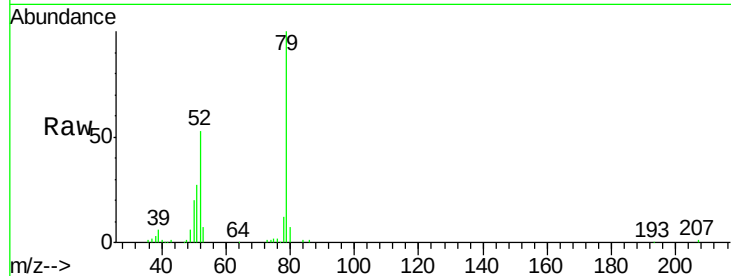
Tot Ion: 79 Resp: 198620

Ion Ratio Lower Upper

79 100

52 53.1 45.3 67.9

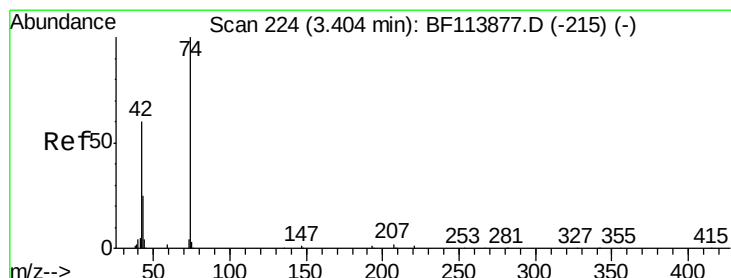
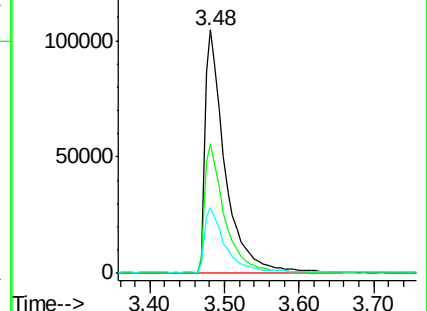
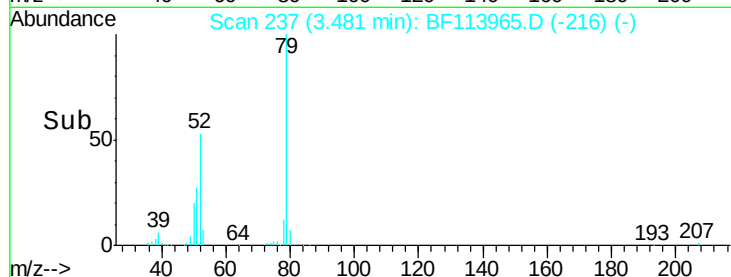
51 27.1 22.1 33.1



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 21.664 ng

RT: 3.42 min Scan# 226

Delta R.T. 0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

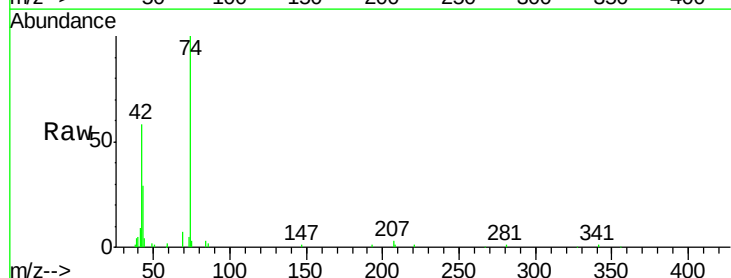
Tgt Ion: 42 Resp: 79407

Ion Ratio Lower Upper

42 100

74 173.4 132.6 198.8

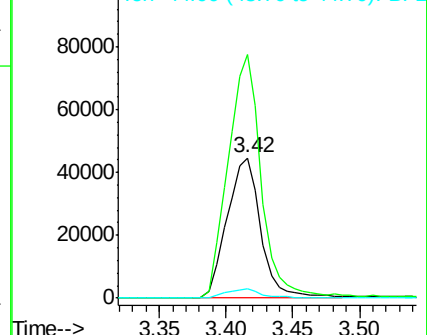
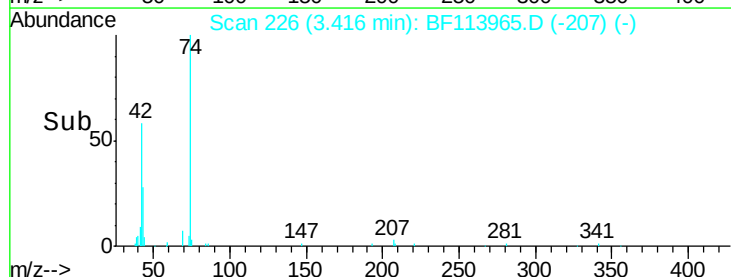
44 6.5 5.8 8.8

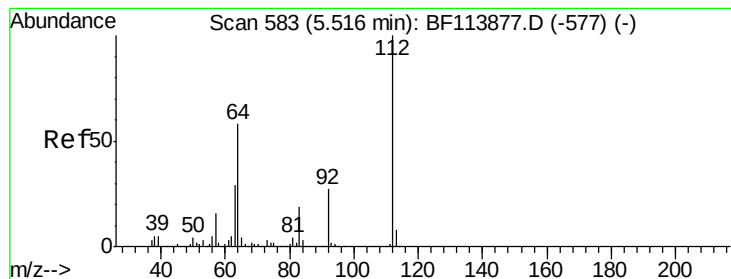


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 69.476 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

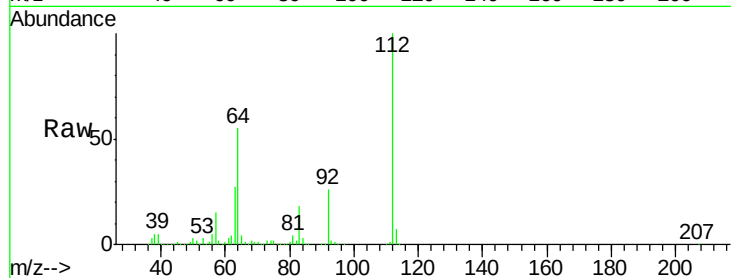
Tot Ion:112 Resp: 578185

Ion Ratio Lower Upper

112 100

64 54.7 46.6 69.8

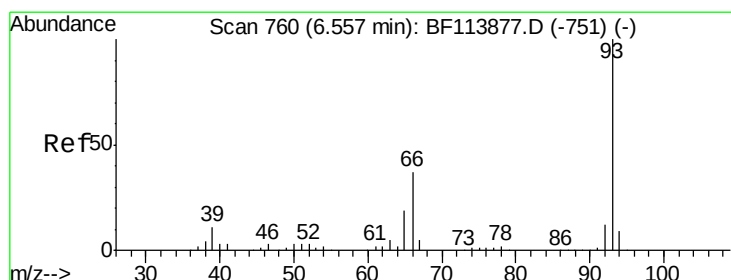
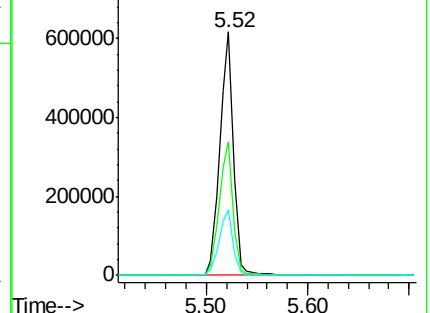
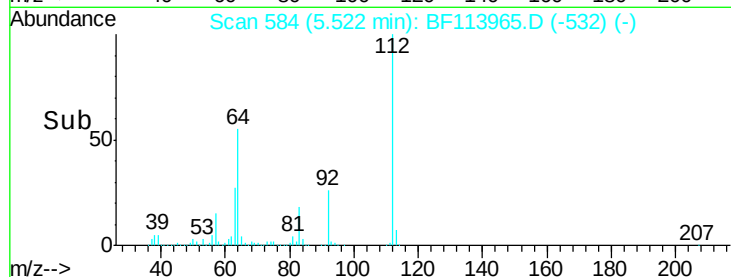
63 26.9 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 23.707 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

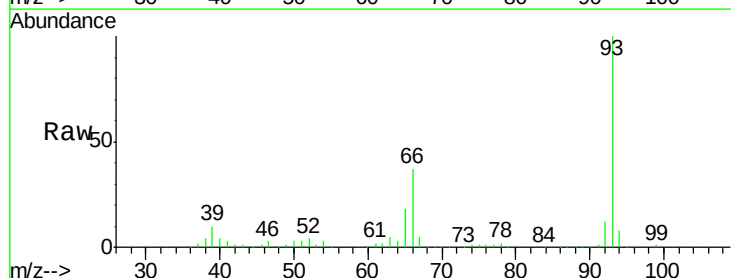
Tgt Ion: 93 Resp: 339897

Ion Ratio Lower Upper

93 100

66 37.2 29.8 44.6

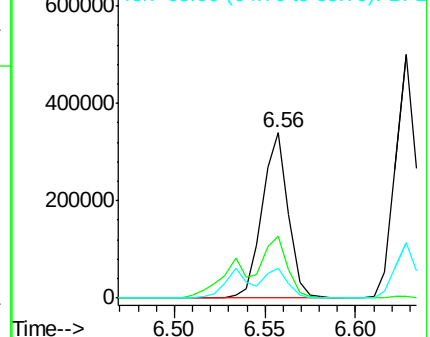
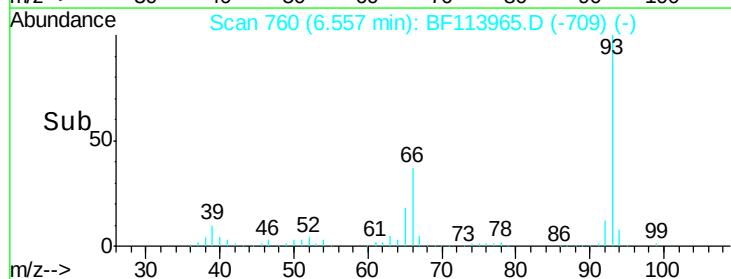
65 18.4 14.9 22.3

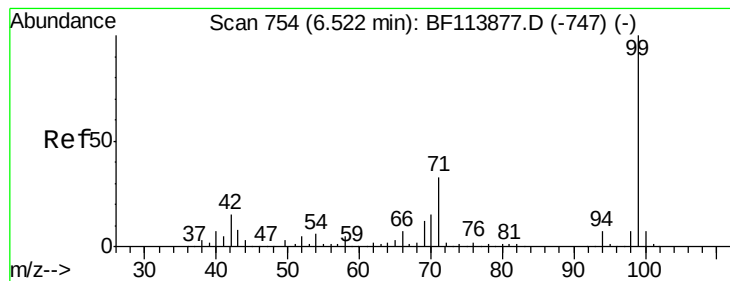


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 48.127 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

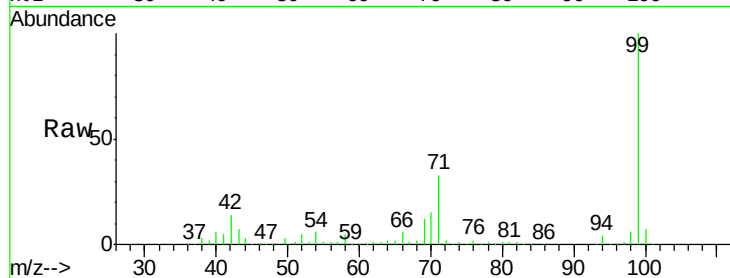
Tot Ion: 99 Resp: 502493

Ion Ratio Lower Upper

99 100

42 14.5 12.5 18.7

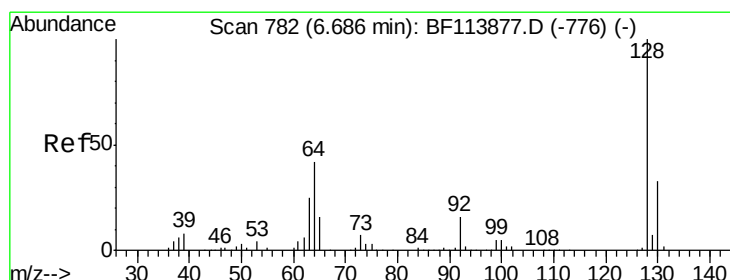
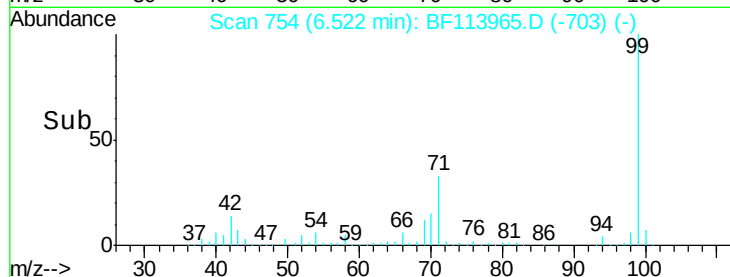
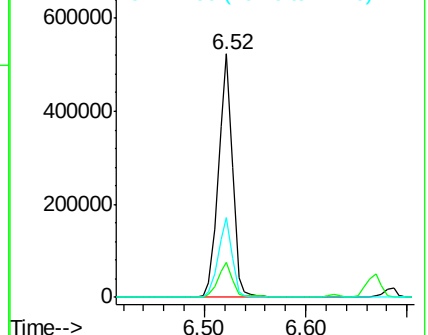
71 32.9 26.9 40.3



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: 34.831 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

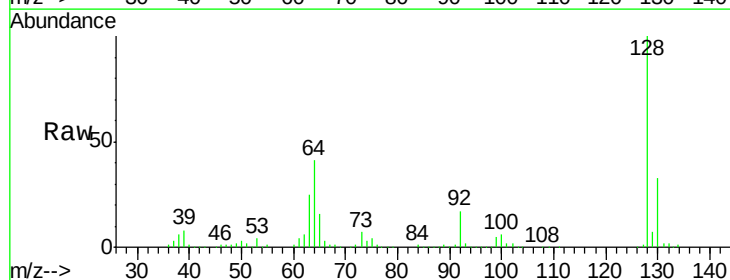
Tgt Ion: 128 Resp: 330945

Ion Ratio Lower Upper

128 100

130 33.2 12.3 52.3

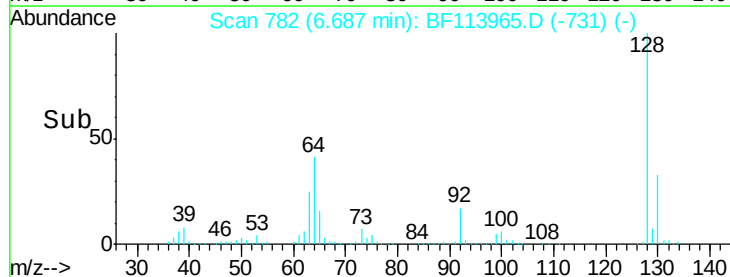
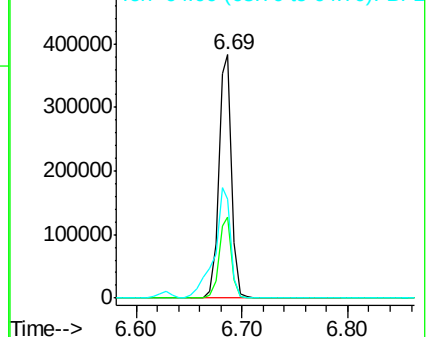
64 40.8 26.1 66.1



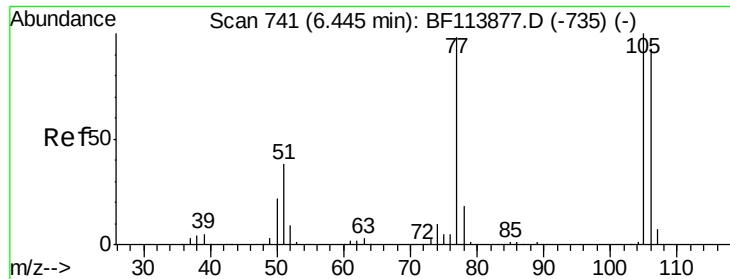
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1







#9

Benzaldehyde

Concen: 13.638 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

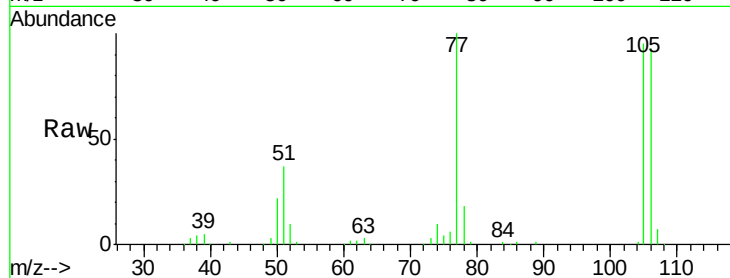
Tot Ion: 77 Resp: 107283

Ion Ratio Lower Upper

77 100

105 95.4 74.1 114.1

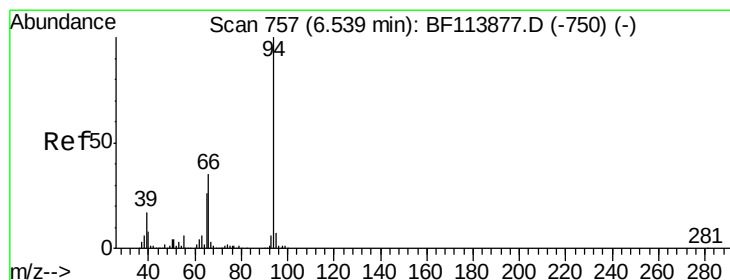
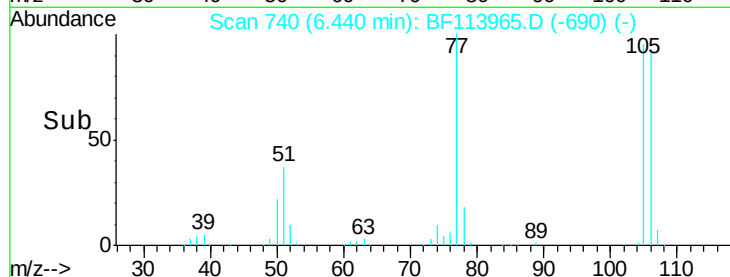
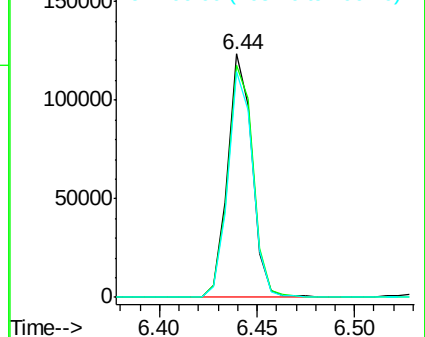
106 92.7 70.3 110.3



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: 16.099 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

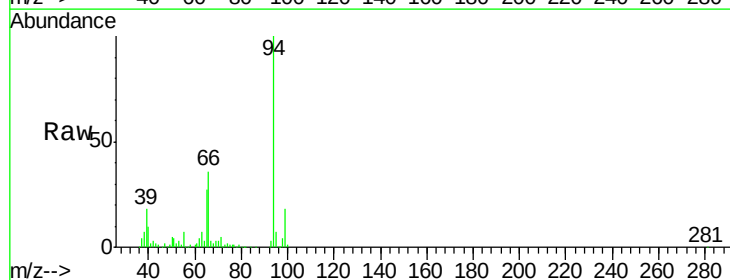
Tgt Ion: 94 Resp: 200992

Ion Ratio Lower Upper

94 100

65 26.6 8.1 48.1

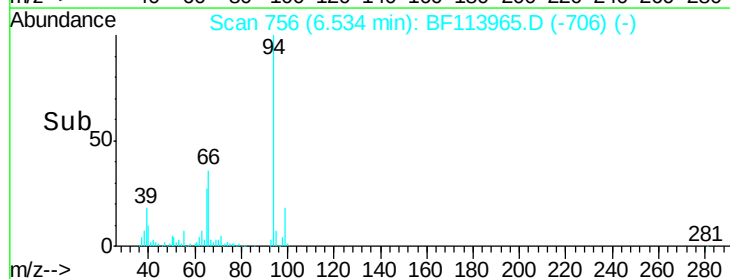
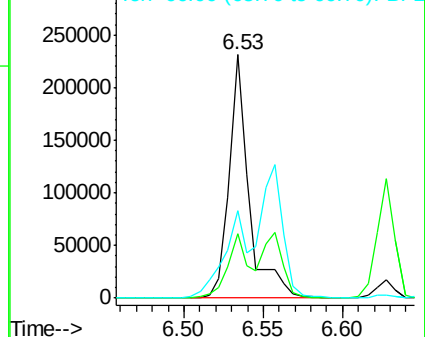
66 35.7 16.6 56.6



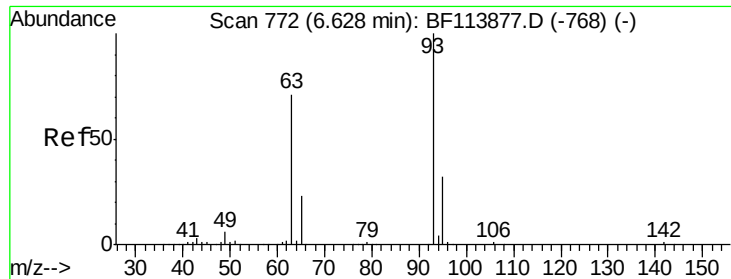
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



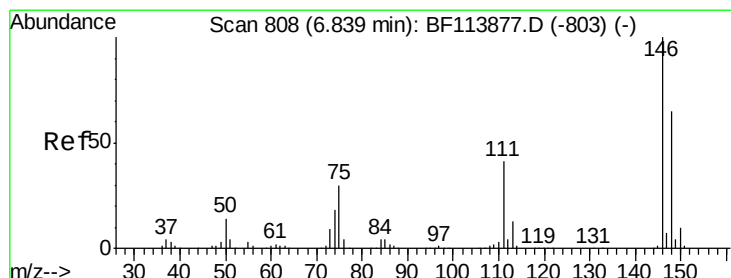
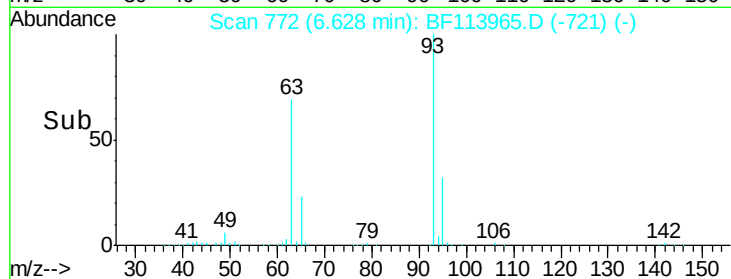
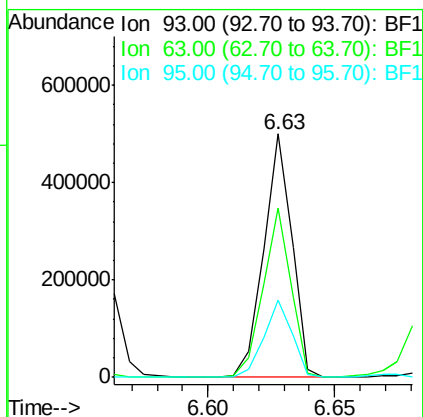
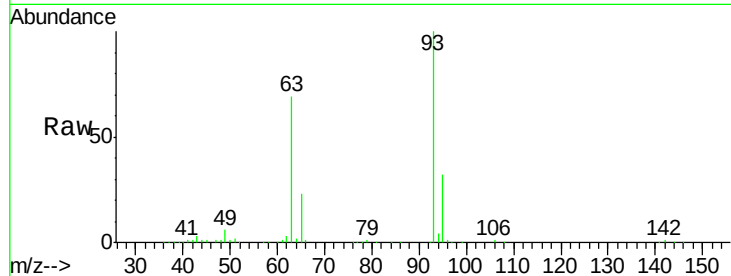




#11  
bis(2-Chloroethyl)ether  
Concen: 41.488 ng  
RT: 6.63 min Scan# 772  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

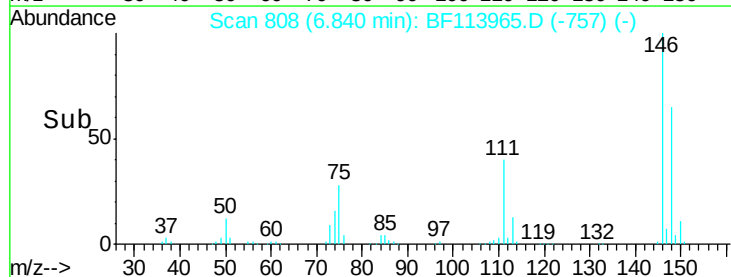
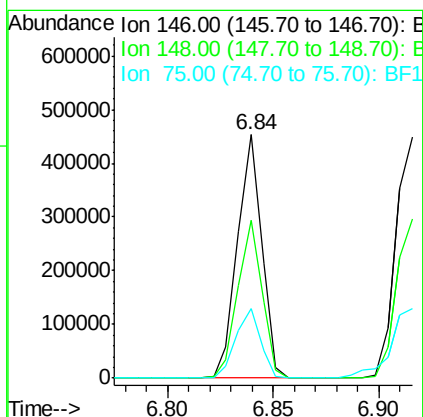
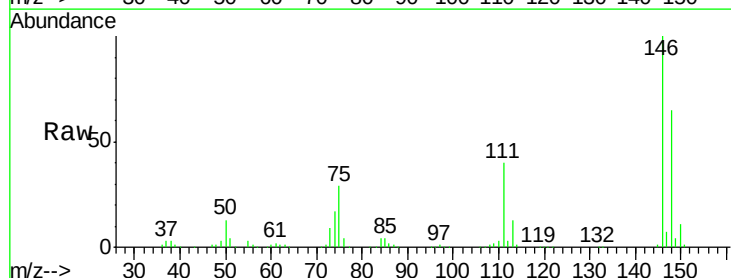
Instrument :  
BNA\_F  
ClientSampleId :

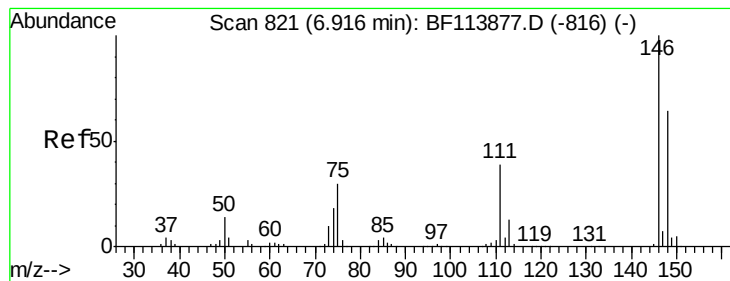
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 69.4  | 50.7  | 90.7  |
| 95      | 31.9  | 12.3  | 52.3  |



#12  
1,3-Dichlorobenzene  
Concen: 33.532 ng  
RT: 6.84 min Scan# 808  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.0  | 51.0  | 76.6  |
| 75      | 28.7  | 23.8  | 35.8  |





#13

1,4-Dichlorobenzene

Concen: 34.309 ng

RT: 6.92 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampled :

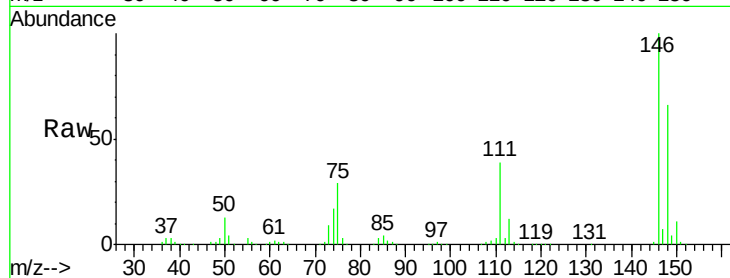
Tot Ion:146 Resp: 371339

Ion Ratio Lower Upper

146 100

148 65.8 51.8 77.8

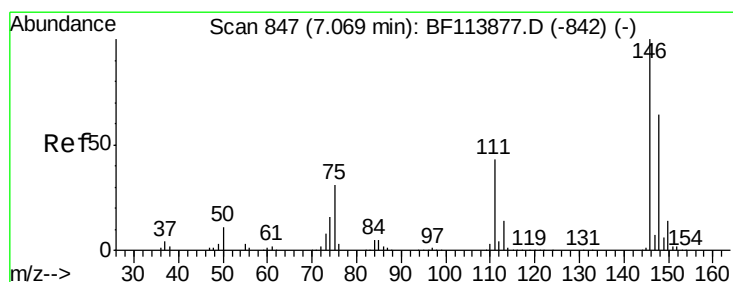
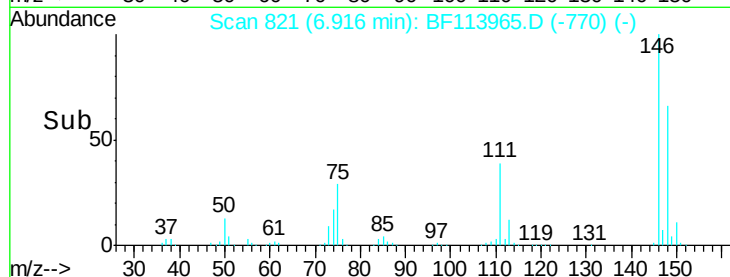
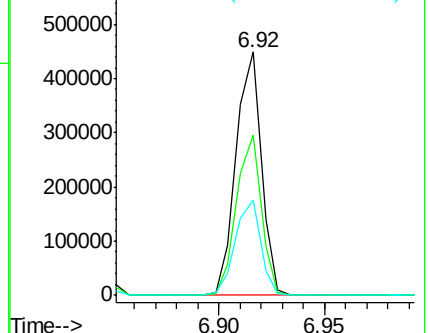
111 38.9 30.9 46.3



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: 35.640 ng

RT: 7.07 min Scan# 847

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

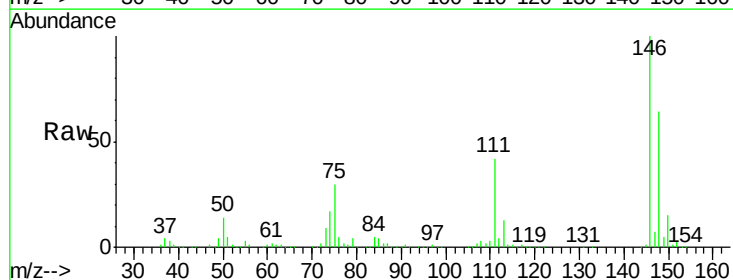
Tgt Ion:146 Resp: 354513

Ion Ratio Lower Upper

146 100

148 64.5 52.1 78.1

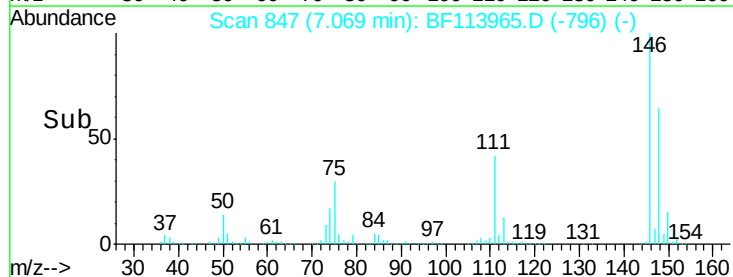
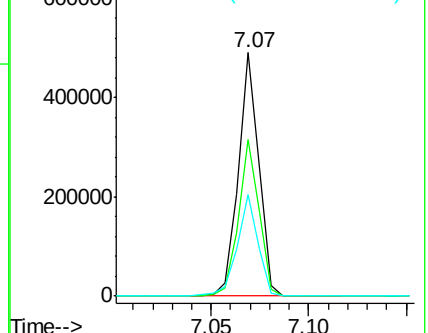
111 41.7 34.2 51.4

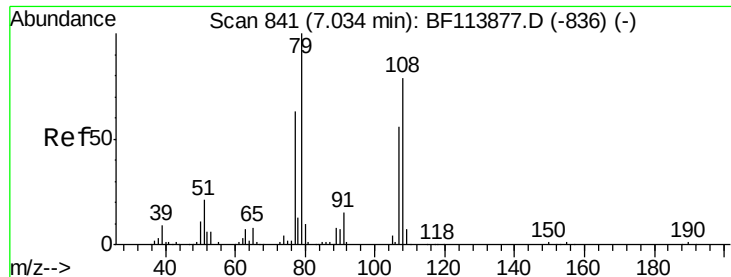


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 32.090 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

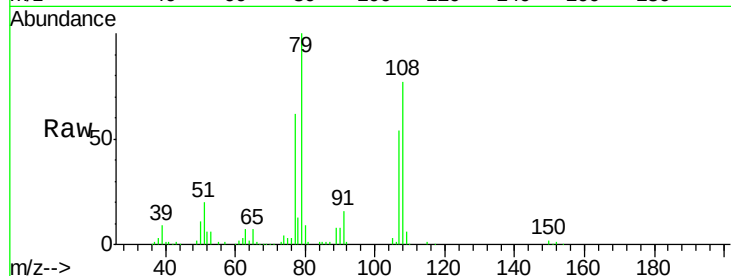
Tot Ion: 79 Resp: 225656

Ion Ratio Lower Upper

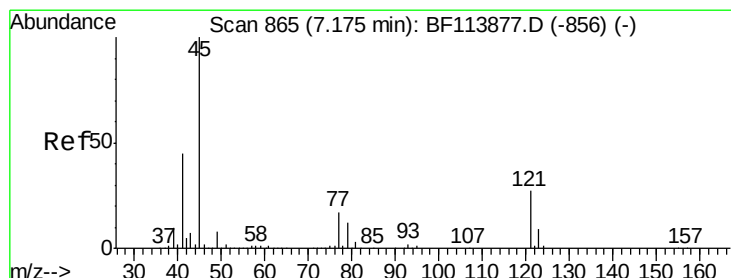
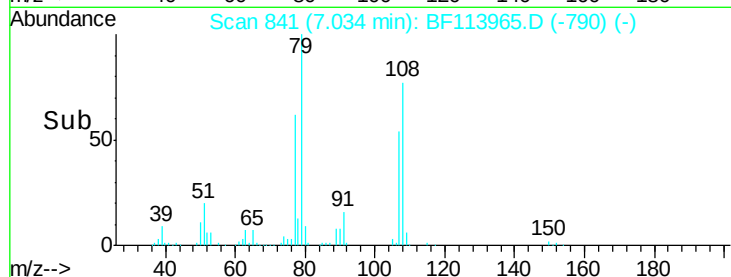
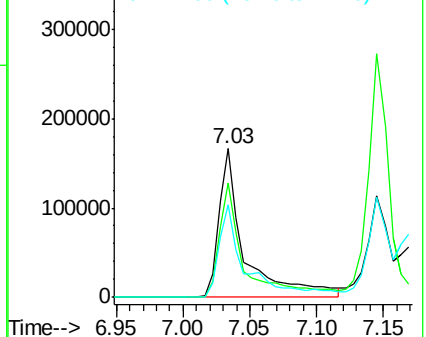
79 100

108 76.8 61.4 92.0

77 61.9 51.6 77.4



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.296 ng

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

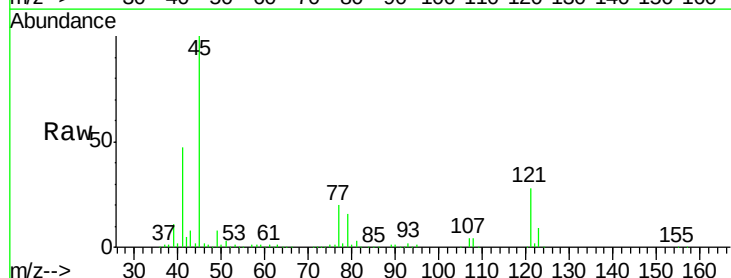
Tgt Ion: 45 Resp: 441940

Ion Ratio Lower Upper

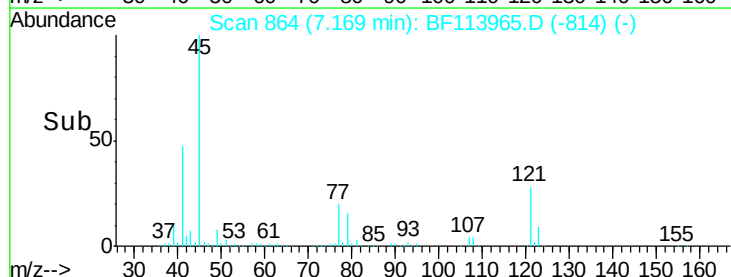
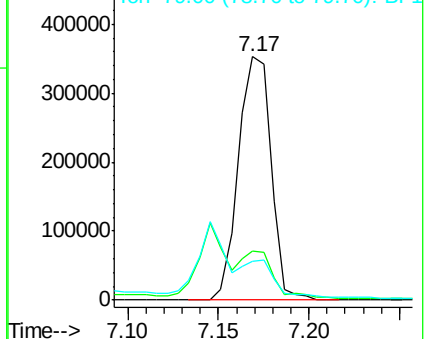
45 100

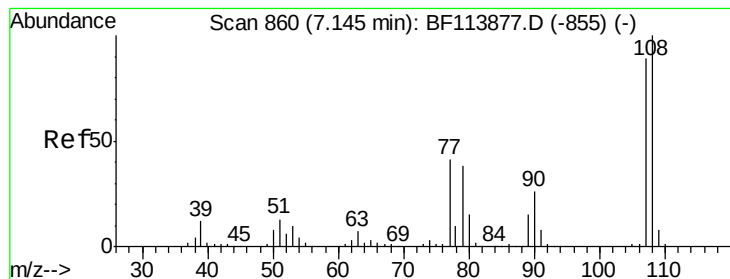
77 20.0 0.0 37.0

79 16.0 0.0 32.7



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

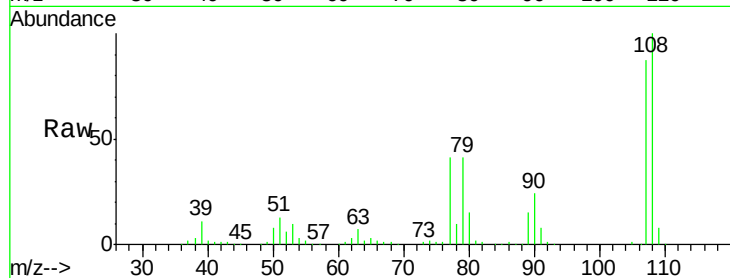




#17  
2-Methylphenol  
Concen: 31.984 ng  
RT: 7.15 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 114.4 | 91.5  | 137.3 |
| 77      | 47.1  | 36.2  | 54.4  |
| 79      | 47.5  | 35.4  | 53.0  |



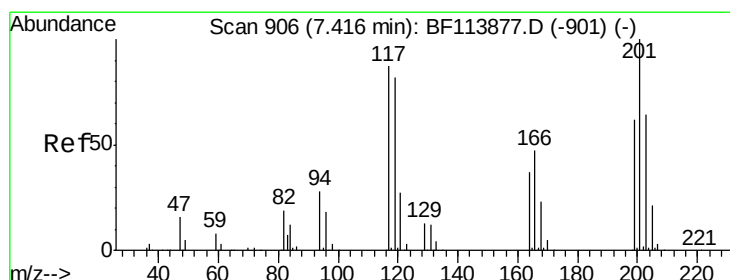
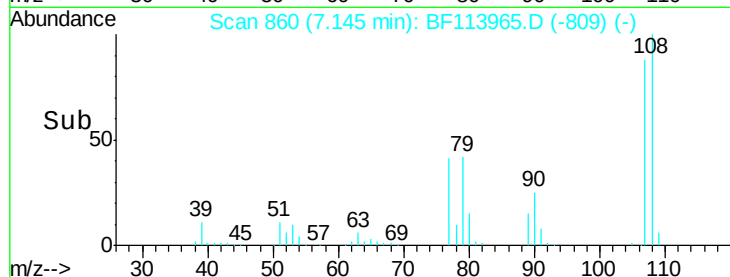
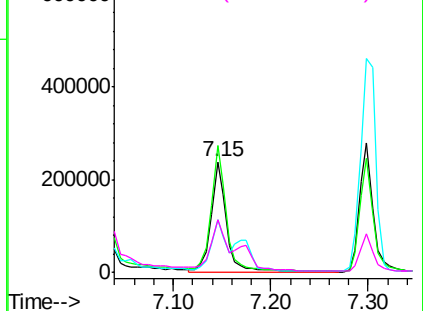
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

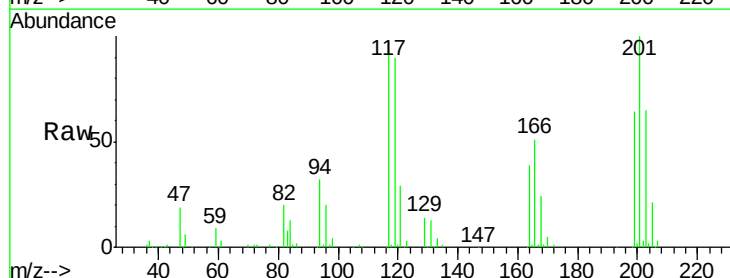
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 30.454 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 92.7  | 74.4  | 111.6 |
| 201     | 102.6 | 90.2  | 135.2 |

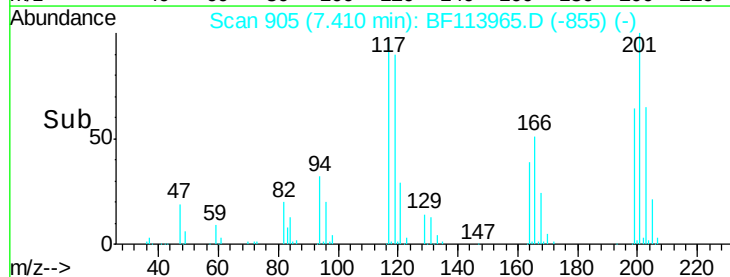
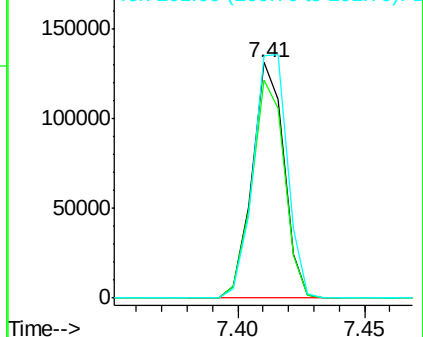


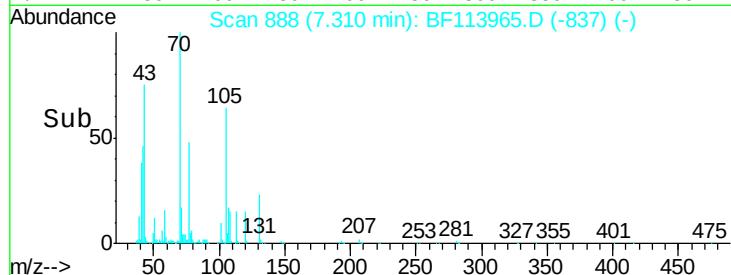
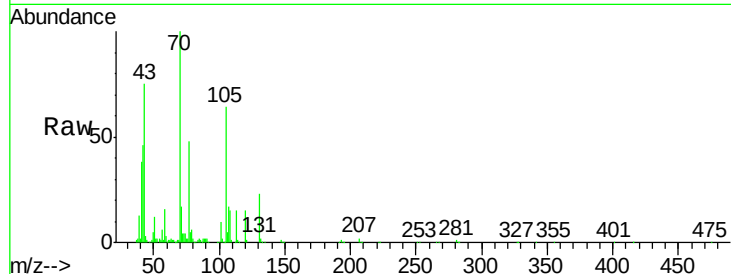
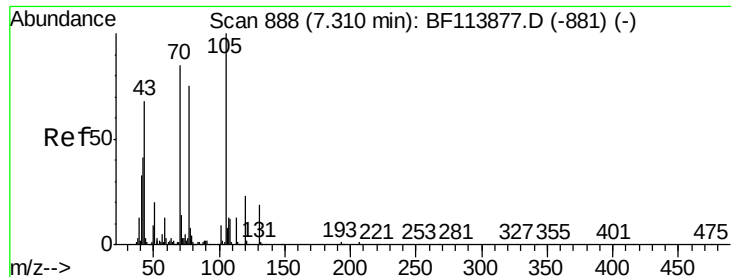
Abundance

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

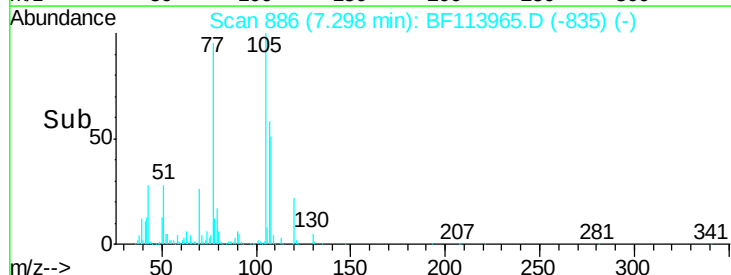
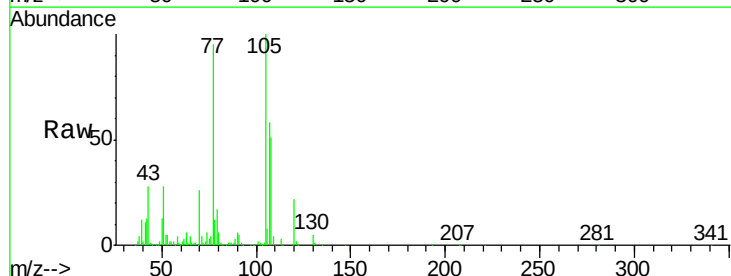
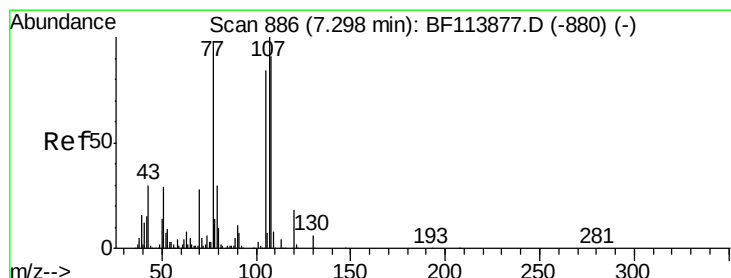
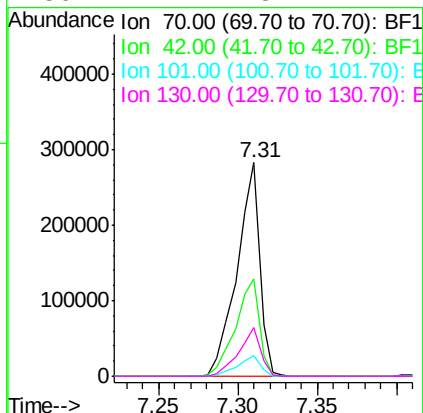




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.572 ng  
RT: 7.31 min Scan# 888  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

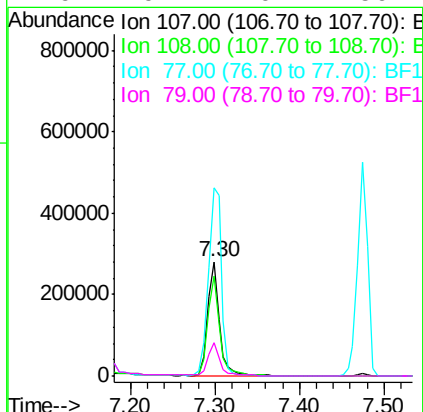
Instrument :  
BNA\_F  
ClientSampleId :

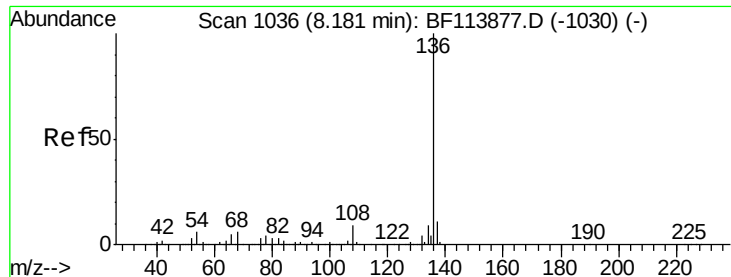
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 281087 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 45.6  | 37.3  | 55.9   |
| 101      | 9.8   | 7.8   | 11.8   |
| 130      | 22.7  | 18.2  | 27.2   |



#20  
3+4-Methylphenols  
Concen: 29.188 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 274648 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 87.7  | 70.1  | 110.1  |
| 77       | 164.5 | 52.9  | 92.9   |
| 79       | 29.7  | 10.2  | 50.2   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 512842

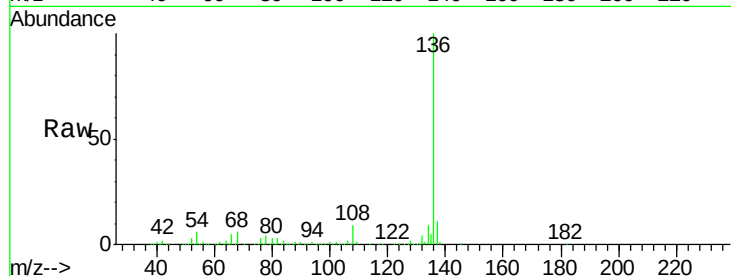
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 5.7 5.0 7.6

68 5.7 4.9 7.3

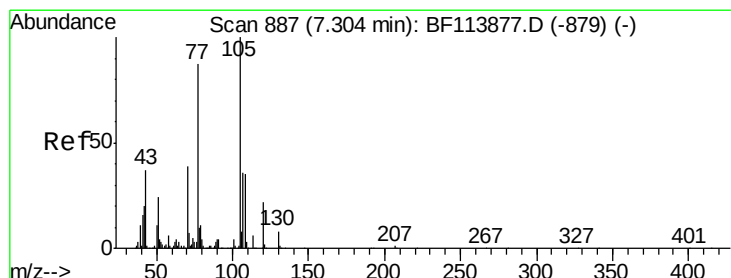
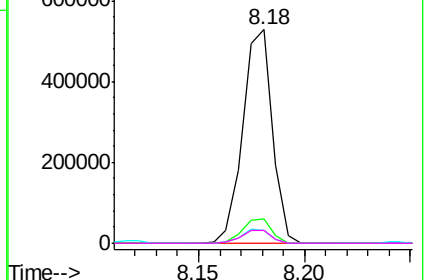
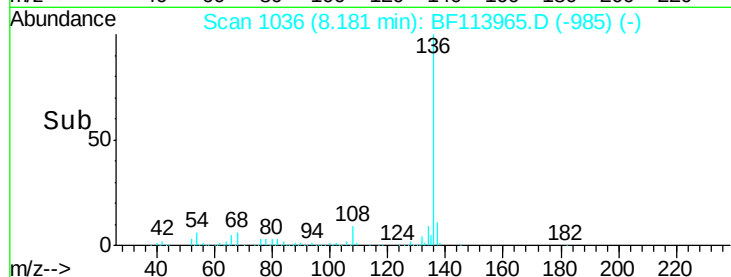


Abundance Ion 136.00 (135.70 to 136.70): E

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: 48.584 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Tgt Ion:105 Resp: 554467

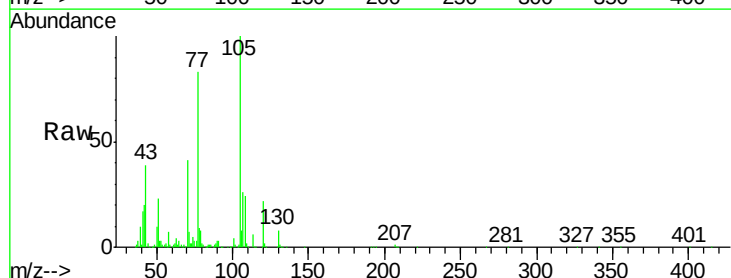
Ion Ratio Lower Upper

105 100

71 7.0 6.1 9.1

51 23.1 16.8 25.2

120 22.1 17.6 26.4

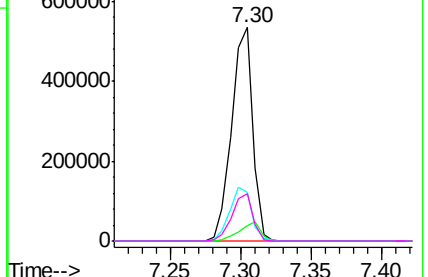
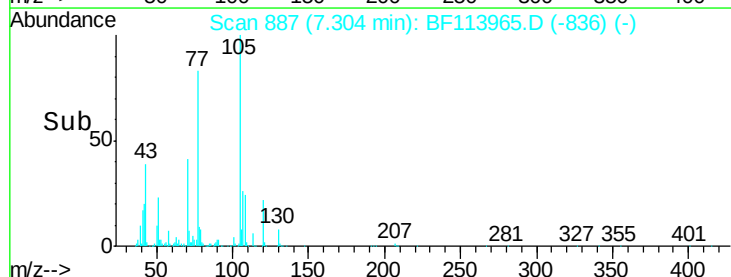


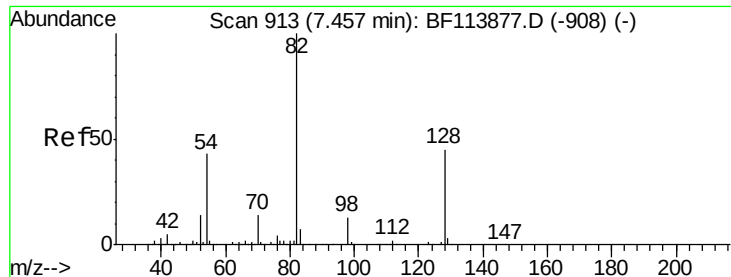
Abundance Ion 105.00 (104.70 to 105.70): E

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: 99.517 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

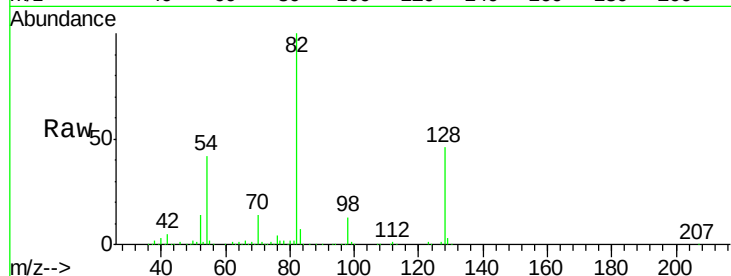
Tot Ion: 82 Resp: 826584

Ion Ratio Lower Upper

82 100

128 46.5 36.8 55.2

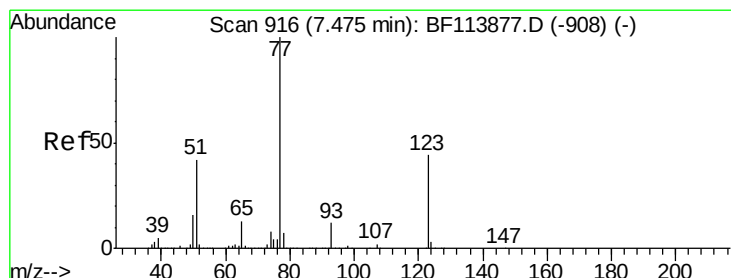
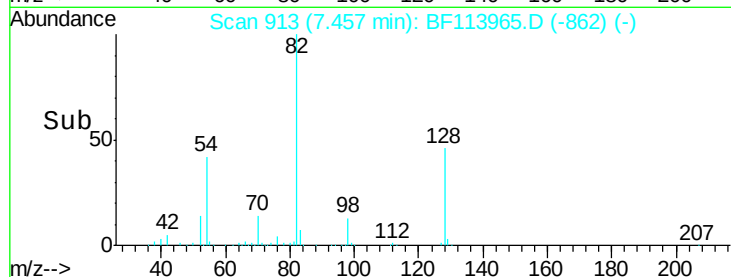
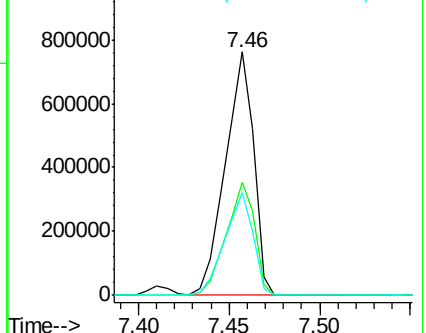
54 42.3 33.8 50.6



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 47.254 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

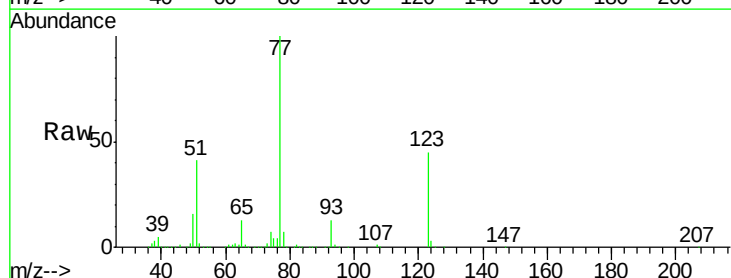
Tgt Ion: 77 Resp: 433681

Ion Ratio Lower Upper

77 100

123 45.2 36.3 54.5

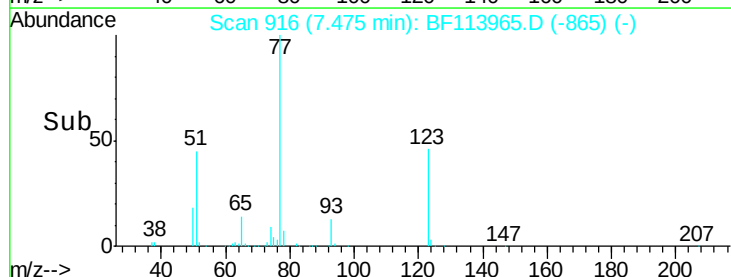
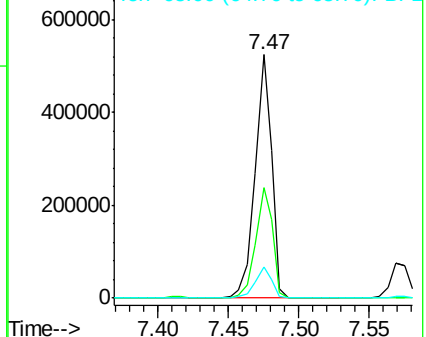
65 12.7 10.3 15.5



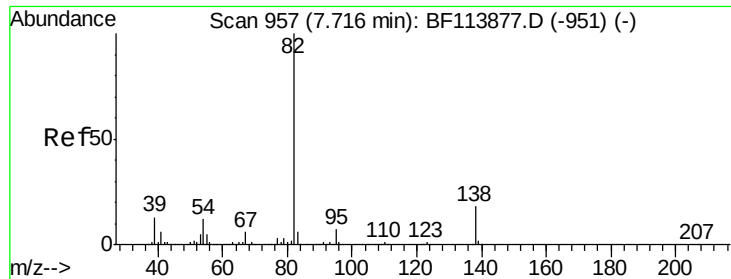
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1







#25

Isophorone

Concen: 45.178 ng

RT: 7.72 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampled :

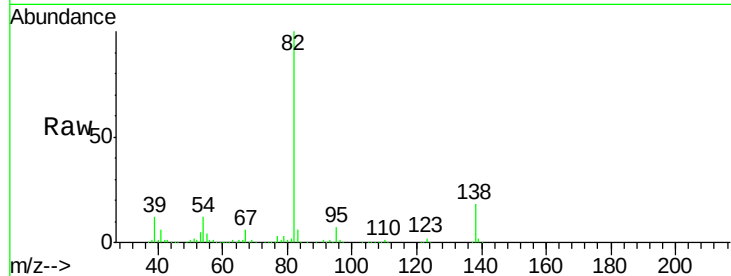
Tot Ion: 82 Resp: 767814

Ion Ratio Lower Upper

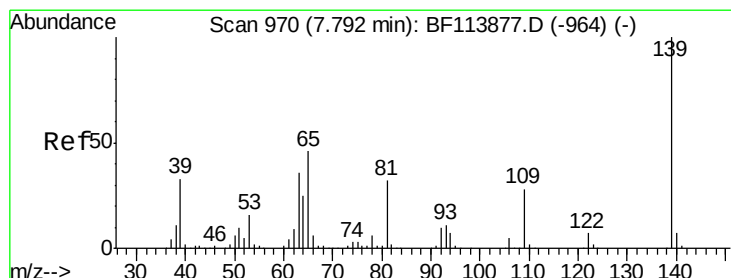
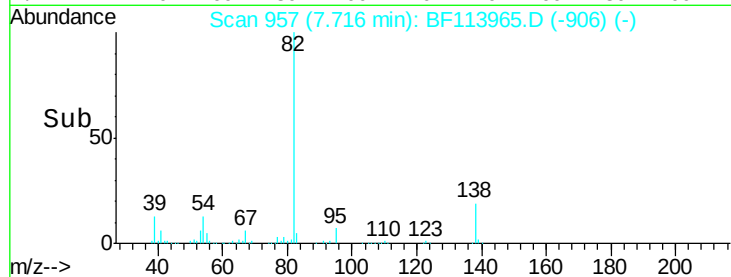
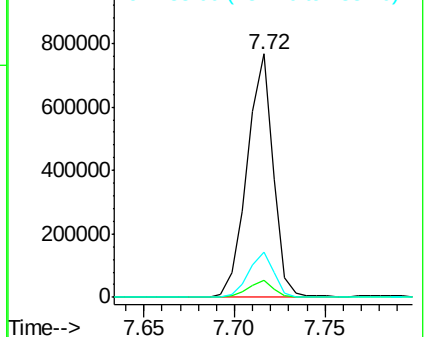
82 100

95 6.9 5.4 8.2

138 18.3 14.6 22.0



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 47.630 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

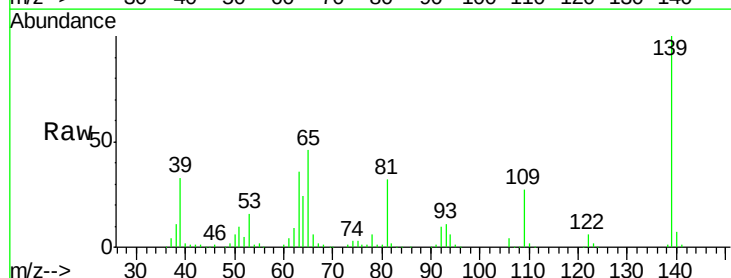
Tgt Ion: 139 Resp: 199422

Ion Ratio Lower Upper

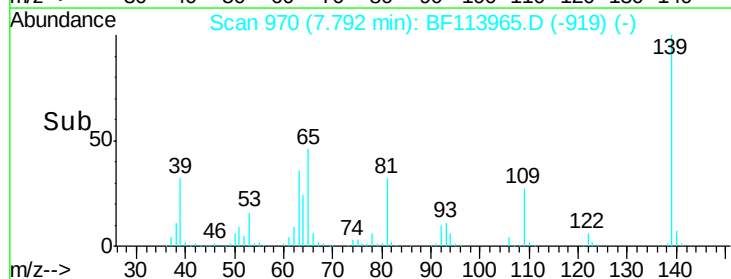
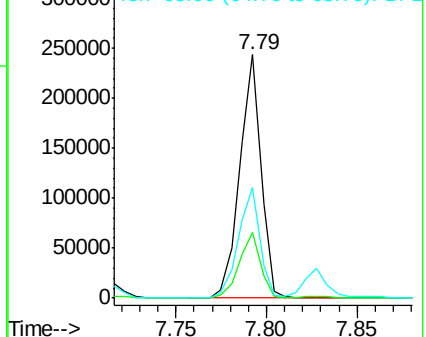
139 100

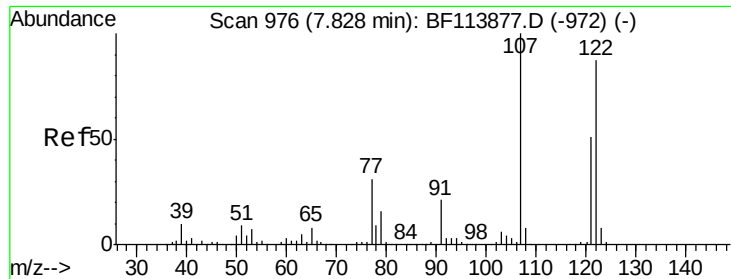
109 27.1 20.6 31.0

65 45.5 34.6 52.0



Abundance Ion 139.00 (138.70 to 139.70): BF1  
Ion 109.00 (108.70 to 109.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1

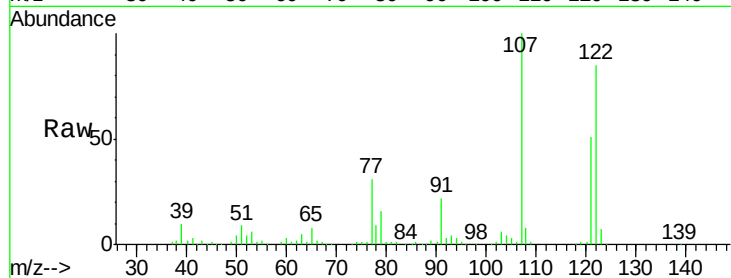




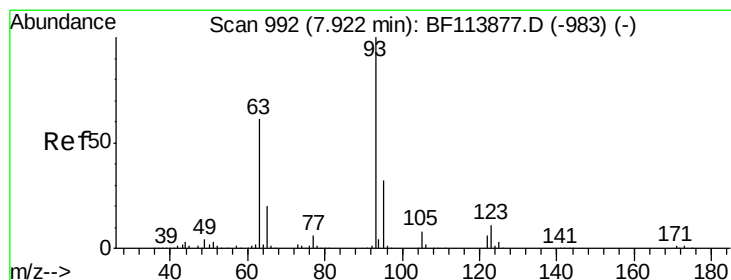
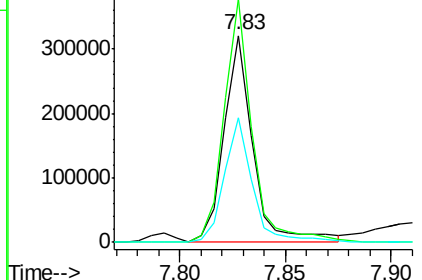
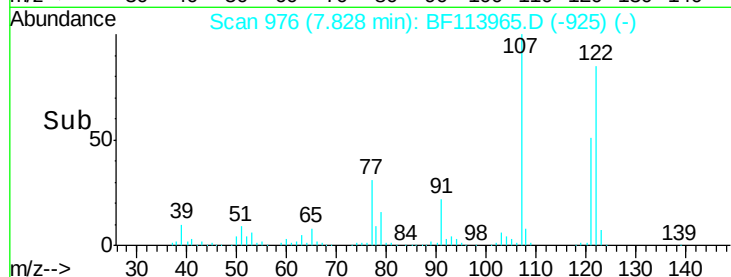
#27  
 2,4-Dimethylphenol  
 Concen: 44.192 ng  
 RT: 7.83 min Scan# 976  
 Delta R.T. 0.00 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:122 Resp: 301464  
 Ion Ratio Lower Upper  
 122 100  
 107 117.6 91.2 136.8  
 121 59.9 46.4 69.6

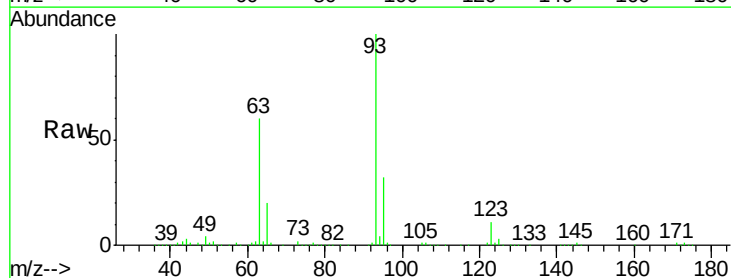


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

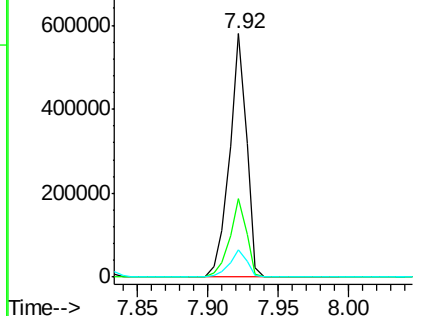
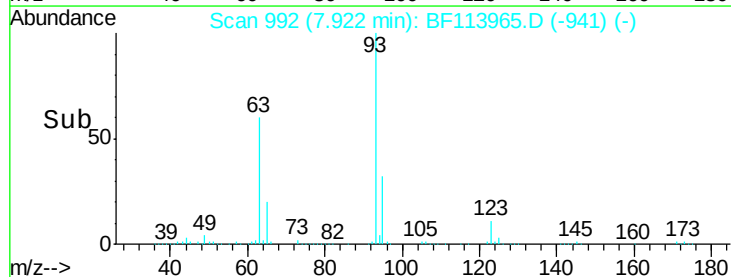


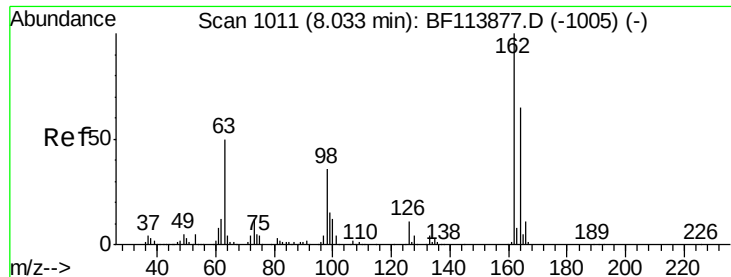
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 45.059 ng  
 RT: 7.92 min Scan# 992  
 Delta R.T. 0.00 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

Tgt Ion: 93 Resp: 487975  
 Ion Ratio Lower Upper  
 93 100  
 95 32.1 25.8 38.6  
 123 11.0 9.0 13.6



Abundance Ion 93.00 (92.70 to 93.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 123.00 (122.70 to 123.70): E

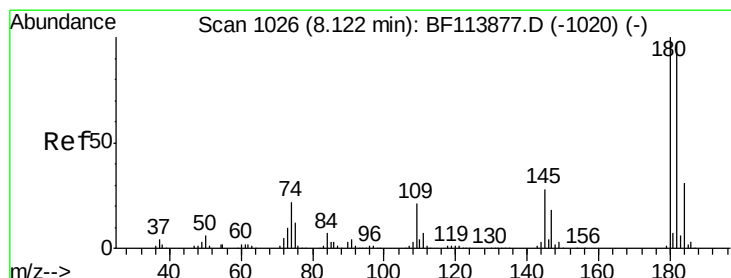
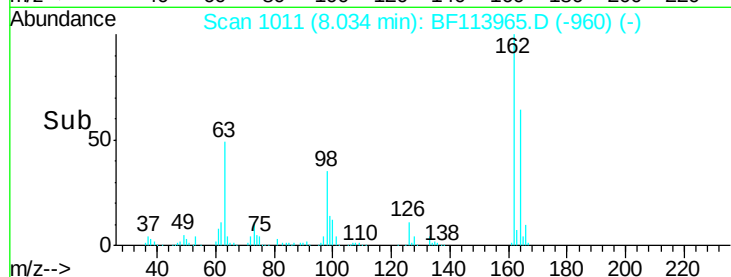
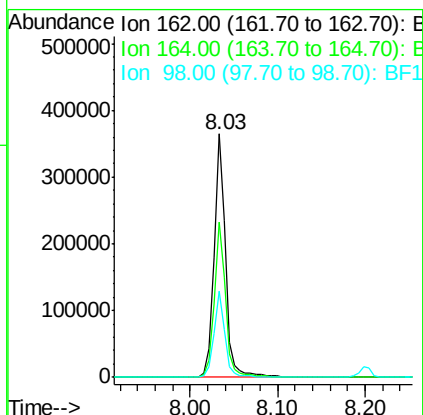
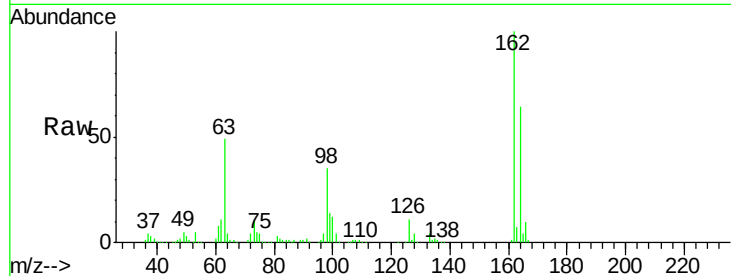




#29  
 2,4-Dichlorophenol  
 Concen: 42.628 ng  
 RT: 8.03 min Scan# 1011  
 Delta R.T. 0.00 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

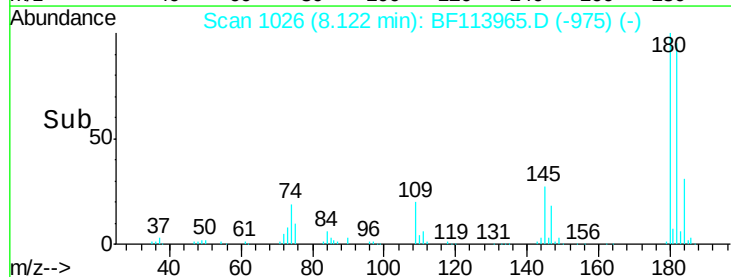
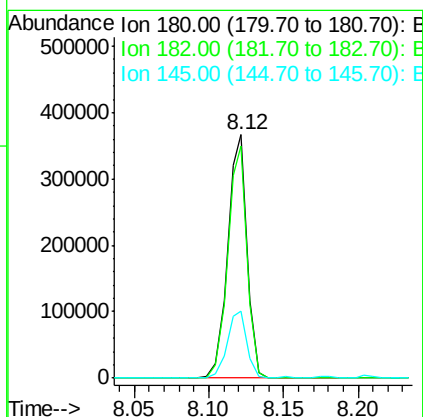
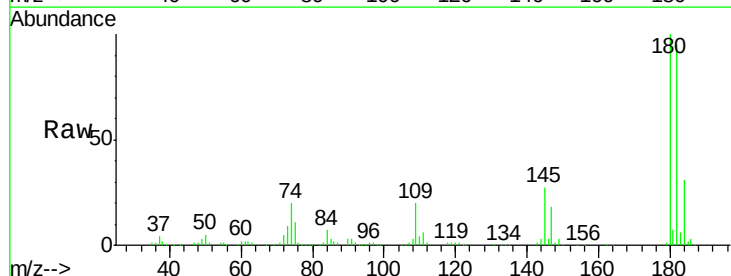
Instrument :  
 BNA\_F  
 ClientSampled :

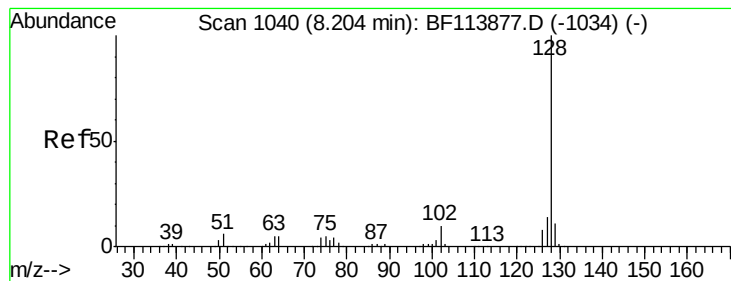
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.9  | 43.7  | 83.7  |
| 98      | 35.3  | 15.5  | 55.5  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 38.793 ng  
 RT: 8.12 min Scan# 1026  
 Delta R.T. 0.00 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.4  | 75.4  | 113.0 |
| 145     | 27.3  | 23.0  | 34.4  |





#31

Naphthalene

Concen: 42.799 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampled :

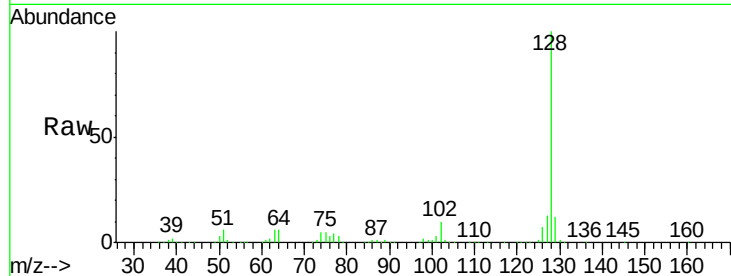
Tot Ion:128 Resp: 1042698

Ion Ratio Lower Upper

128 100

129 11.5 9.4 14.0

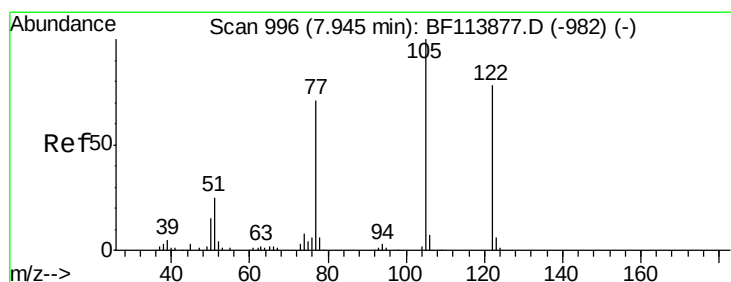
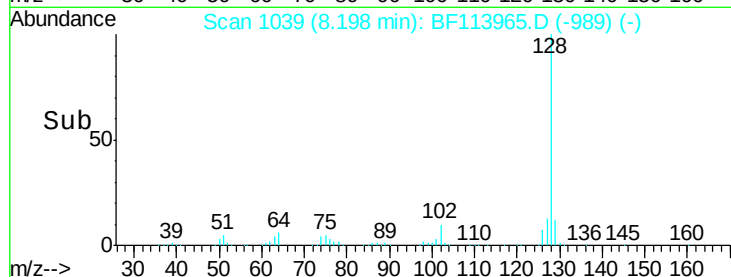
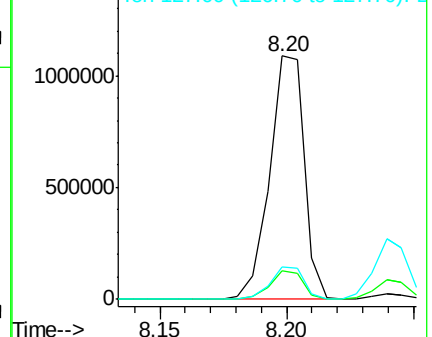
127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 11.439 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.04 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

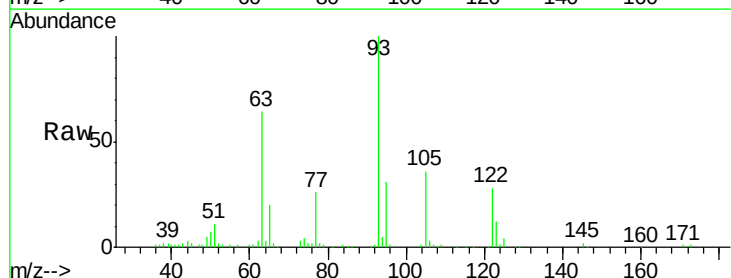
Tgt Ion:122 Resp: 52696

Ion Ratio Lower Upper

122 100

105 128.1 104.3 144.3

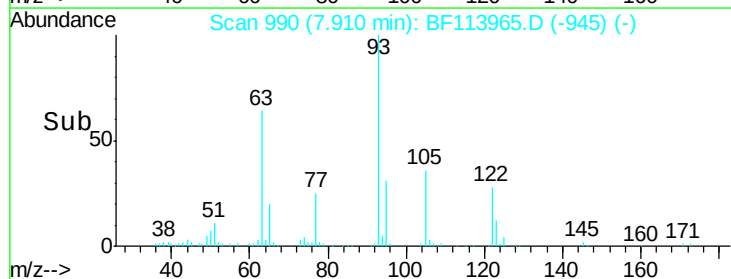
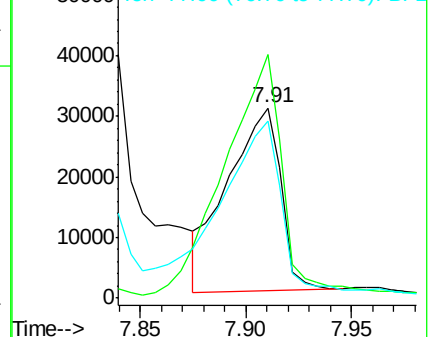
77 93.6 70.4 110.4

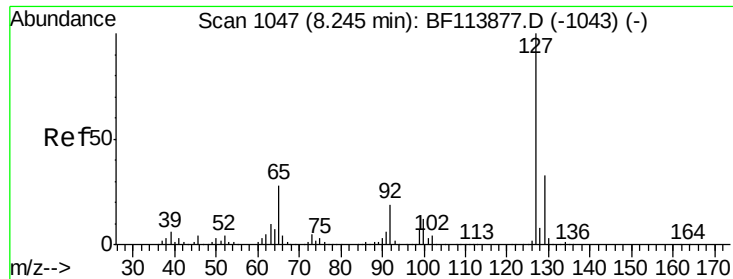


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

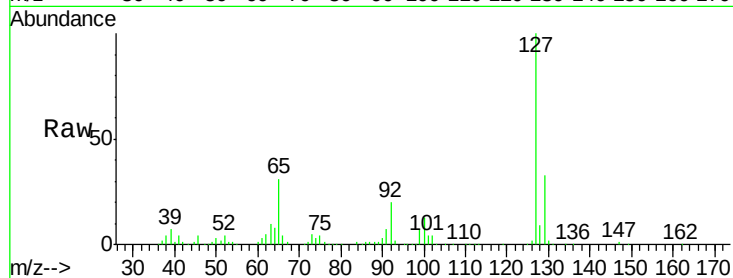




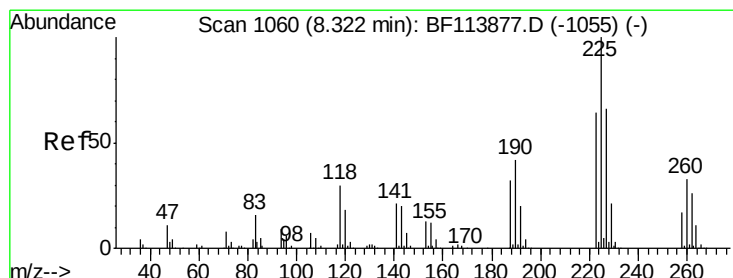
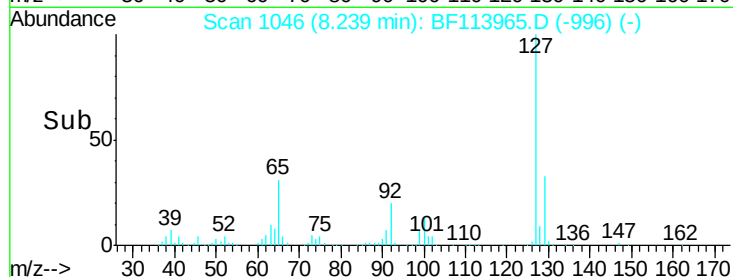
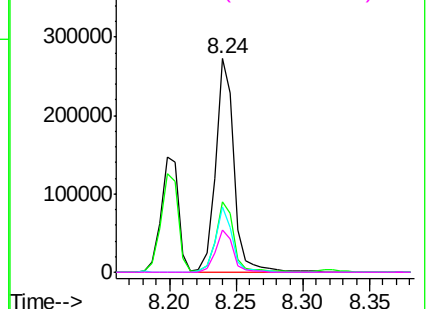
#33  
4-Chloroaniline  
Concen: 25.502 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 262893 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.1  | 26.4  | 39.6   |
| 65       | 30.8  | 24.9  | 37.3   |
| 92       | 19.9  | 15.9  | 23.9   |

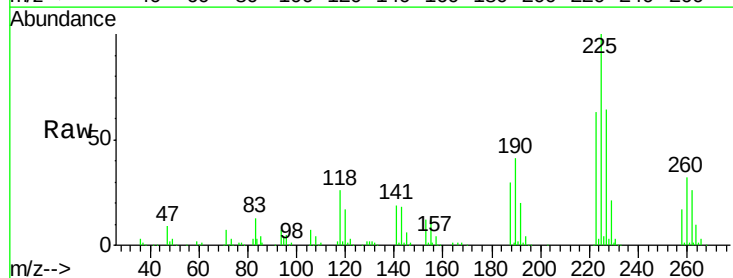


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

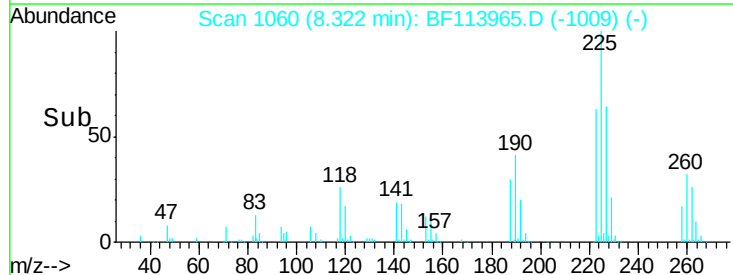
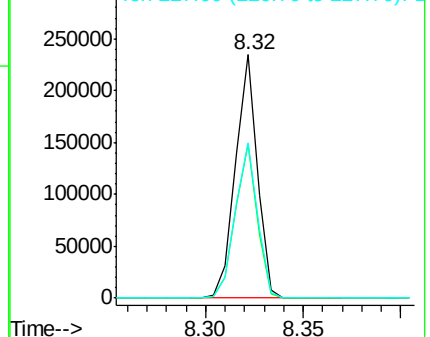


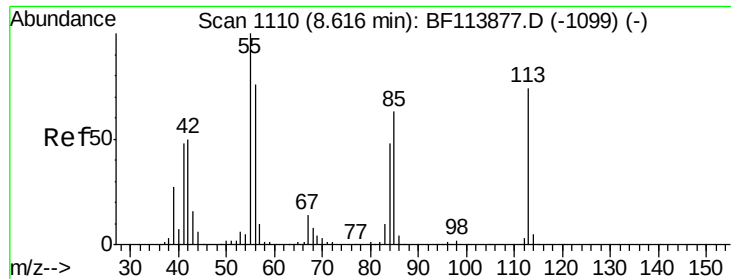
#34  
Hexachlorobutadiene  
Concen: 33.727 ng  
RT: 8.32 min Scan# 1060  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 182873 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.1  | 51.1  | 76.7   |
| 227      | 63.6  | 49.9  | 74.9   |



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

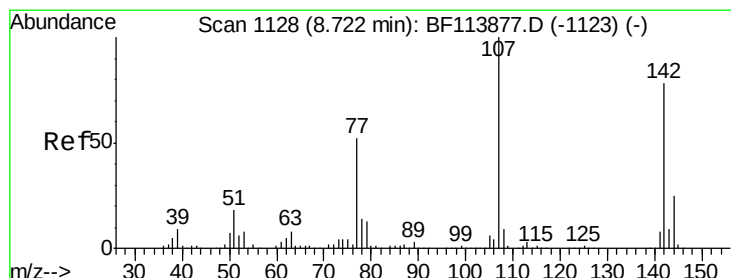
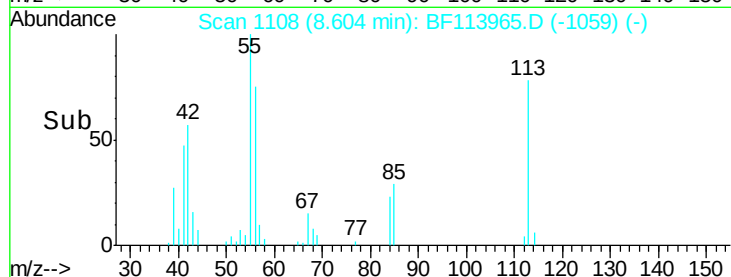
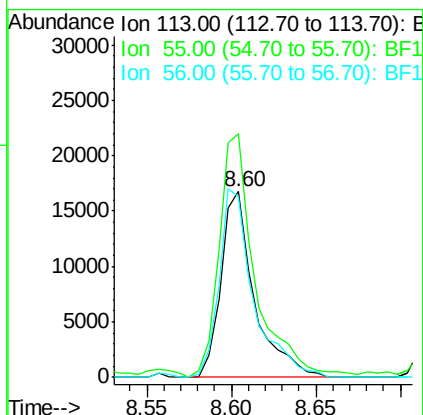
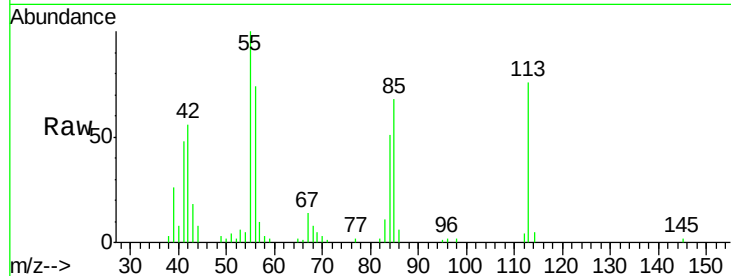




#35  
Caprolactam  
Concen: 9.294 ng  
RT: 8.60 min Scan# 1108  
Delta R.T. -0.01 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

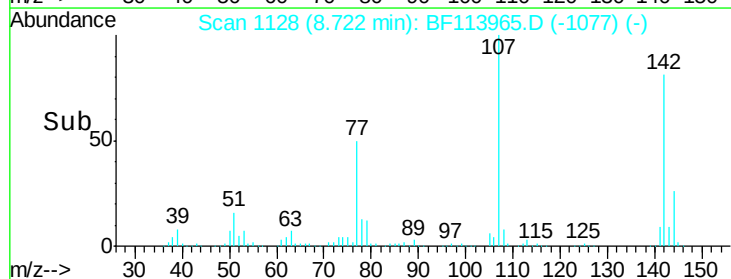
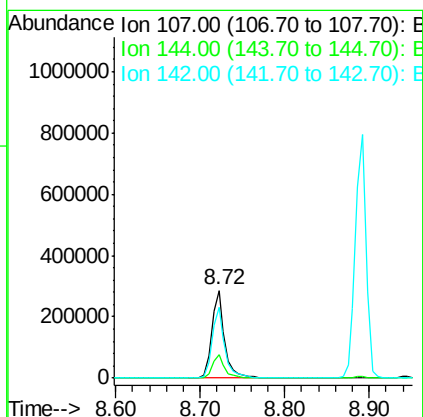
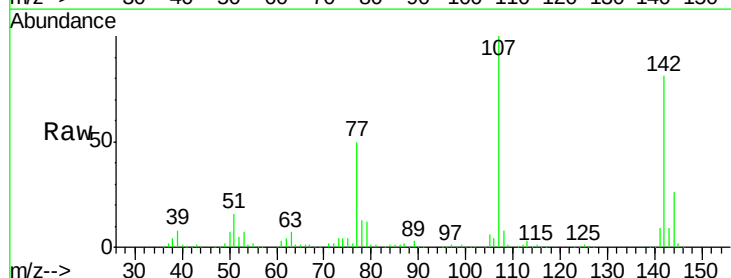
Instrument :  
BNA\_F  
ClientSampleId :

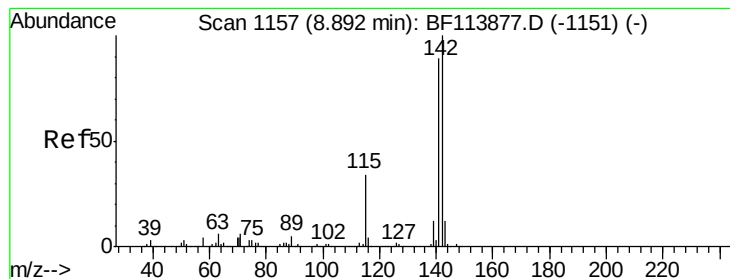
Tot Ion:113 Resp: 23062  
Ion Ratio Lower Upper  
113 100  
55 131.0 128.6 168.6  
56 97.2 91.9 131.9



#36  
4-Chloro-3-methylphenol  
Concen: 39.736 ng  
RT: 8.72 min Scan# 1128  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Tgt Ion:107 Resp: 307096  
Ion Ratio Lower Upper  
107 100  
144 26.4 20.5 30.7  
142 81.0 64.2 96.4





#37

2-Methylnaphthalene

Concen: 43.148 ng

RT: 8.89 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

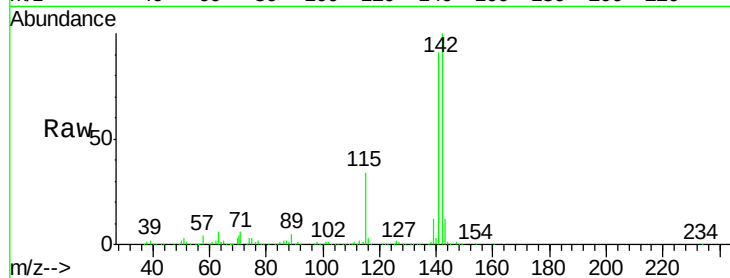
Tot Ion:142 Resp: 708876

Ion Ratio Lower Upper

142 100

141 90.7 70.4 105.6

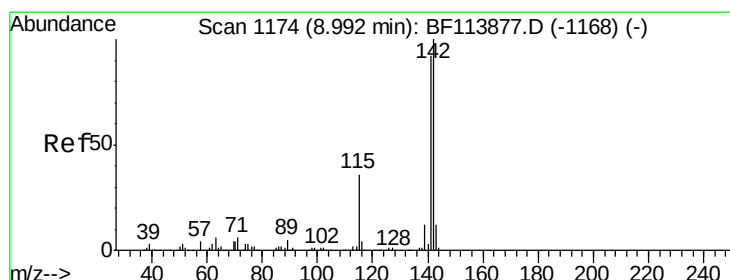
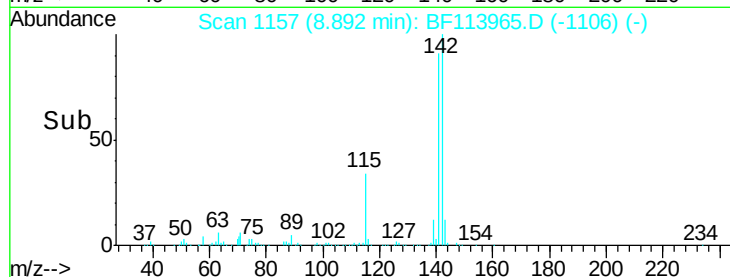
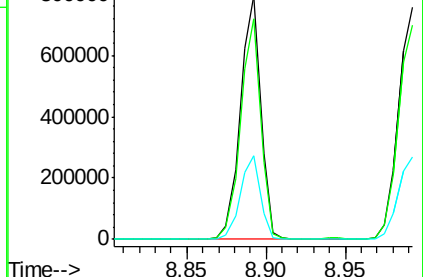
115 34.2 26.3 39.5



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: 42.340 ng

RT: 8.99 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

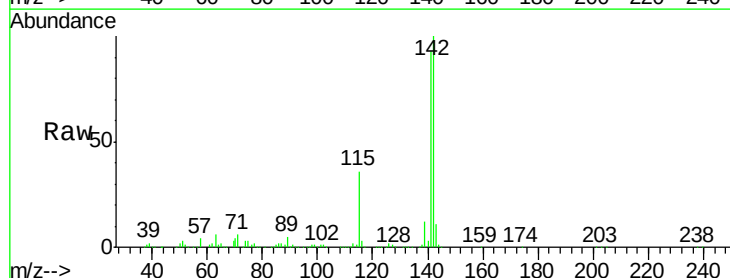
Tgt Ion:142 Resp: 671374

Ion Ratio Lower Upper

142 100

141 92.8 72.3 108.5

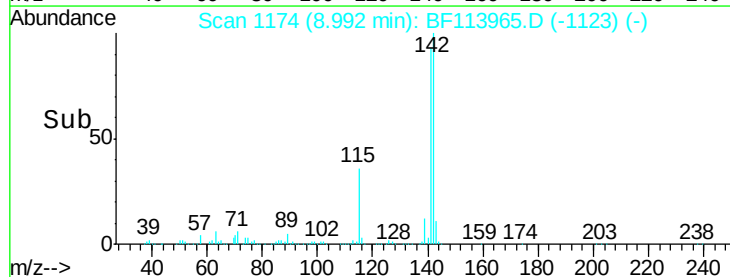
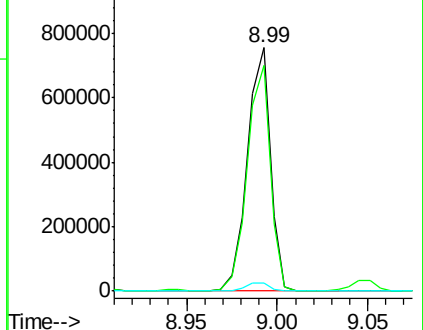
116 3.5 3.0 4.4

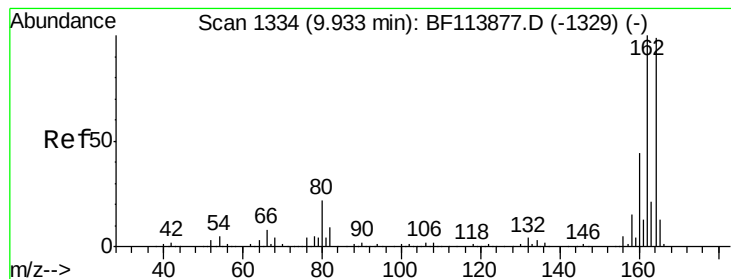


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

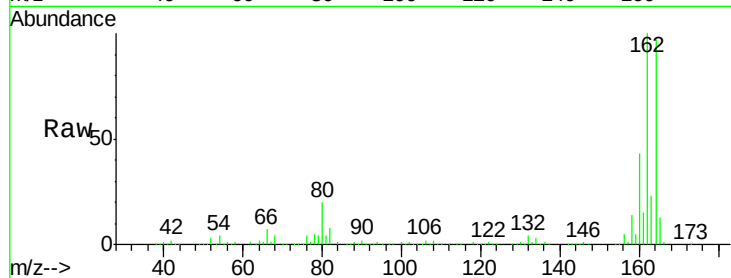
Tot Ion:164 Resp: 253691

Ion Ratio Lower Upper

164 100

162 103.2 81.1 121.7

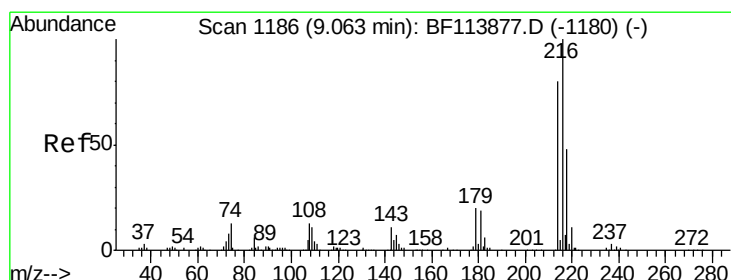
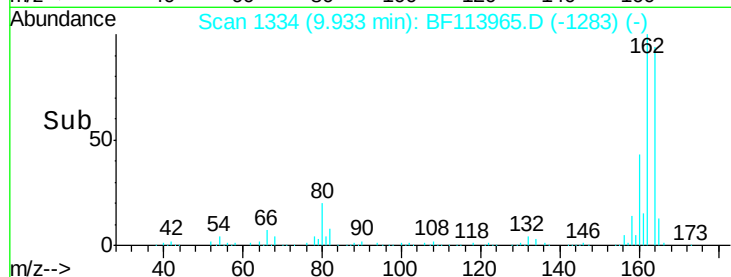
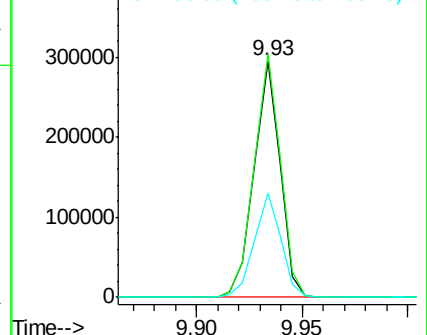
160 44.3 35.8 53.6



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: 44.944 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Tgt Ion:216 Resp: 370371

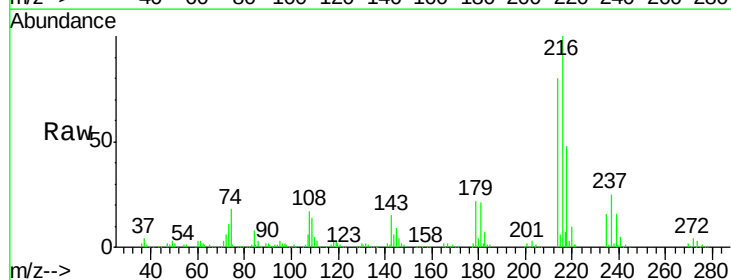
Ion Ratio Lower Upper

216 100

214 78.9 63.5 95.3

179 20.4 16.1 24.1

108 16.9 13.4 20.0

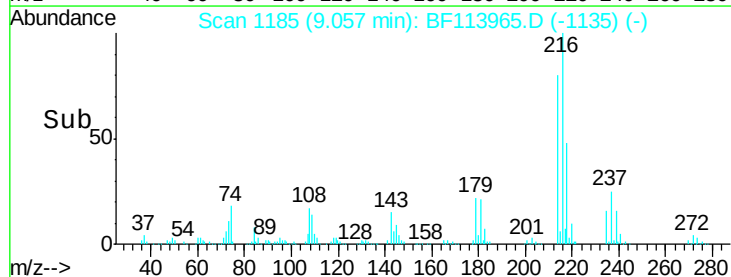
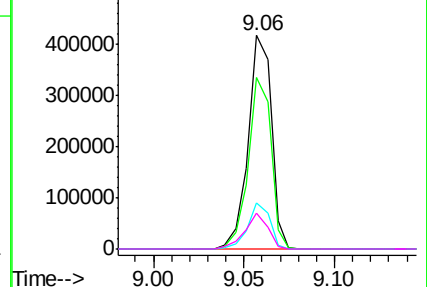


Abundance Ion 216.00 (215.70 to 216.70): E

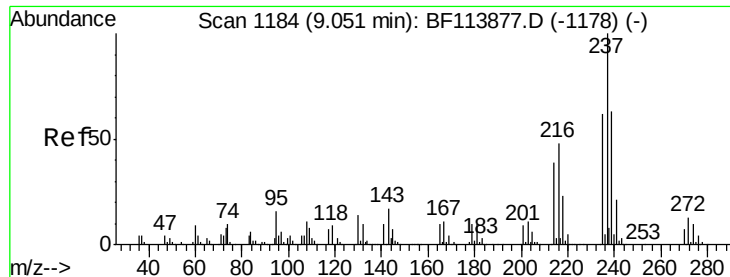
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



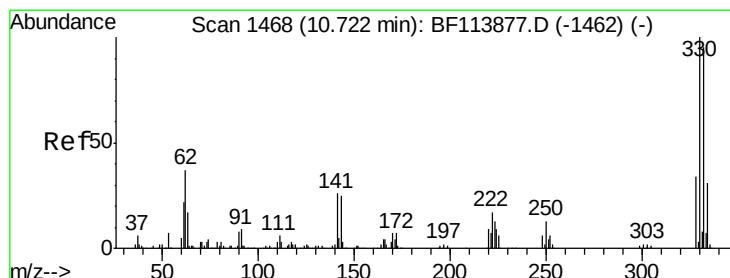
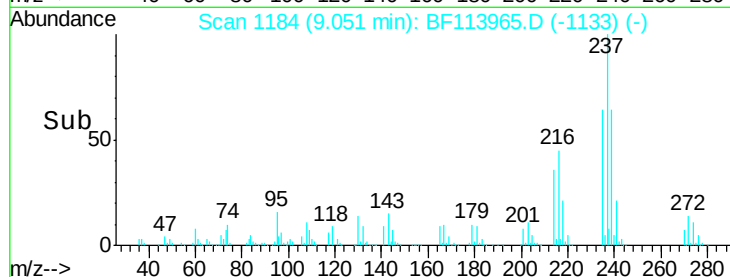
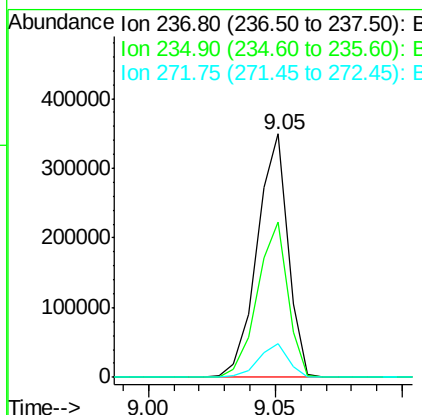
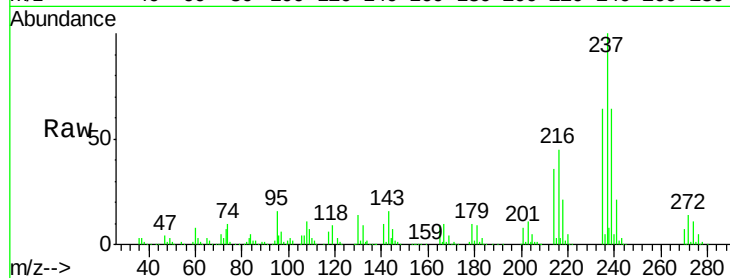




#41  
 Hexachlorocyclopentadiene  
 Concen: 64.678 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. 0.00 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

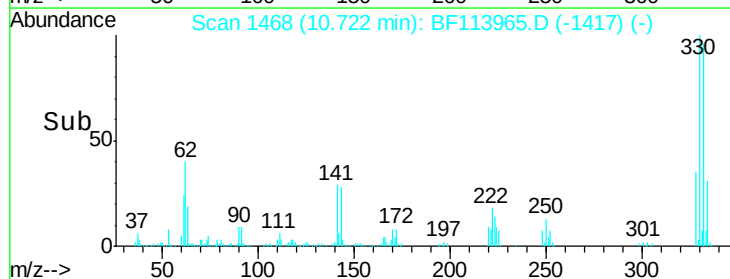
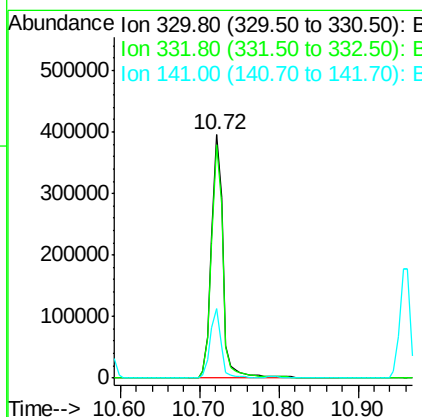
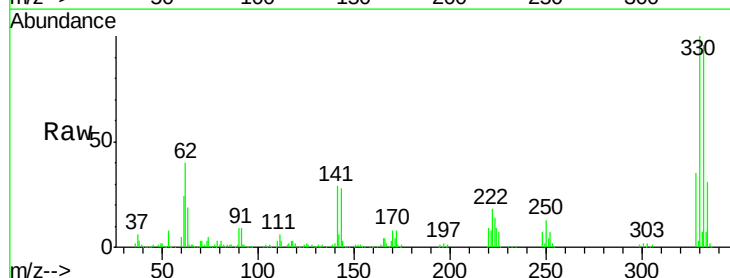
Instrument :  
 BNA\_F  
 ClientSampleId :

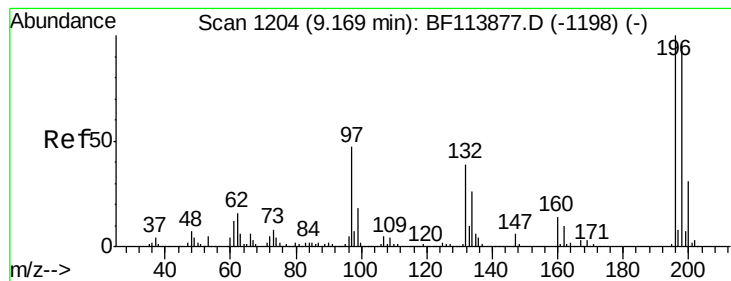
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 237   | Resp: | 297220 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 64.0  | 42.6  | 82.6   |
| 272      | 13.7  | 0.0   | 33.8   |



#42  
 2,4,6-Tribromophenol  
 Concen: 130.100 ng  
 RT: 10.72 min Scan# 1468  
 Delta R.T. 0.00 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 402070 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 96.2  | 77.5  | 116.3  |
| 141      | 27.1  | 22.2  | 33.2   |





#43

2,4,6-Trichlorophenol

Concen: 47.059 ng

RT: 9.17 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

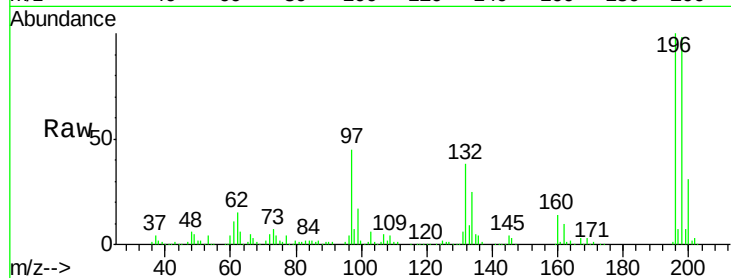
Tot Ion:196 Resp: 246250

Ion Ratio Lower Upper

196 100

198 97.6 75.6 113.4

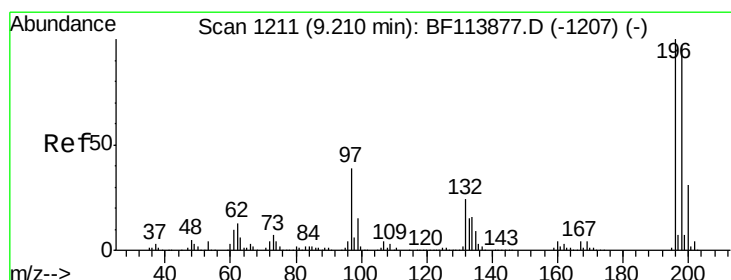
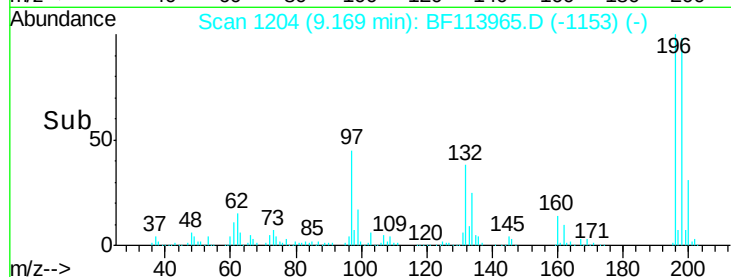
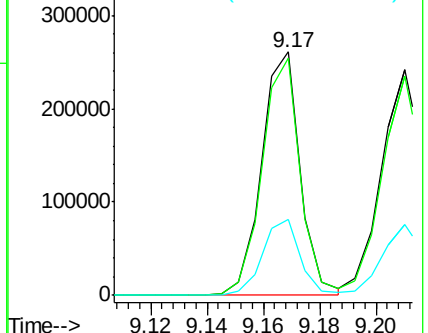
200 31.1 24.7 37.1



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 46.978 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Tgt Ion:196 Resp: 275732

Ion Ratio Lower Upper

196 100

198 97.4 76.2 114.4

97 42.0 35.8 53.8

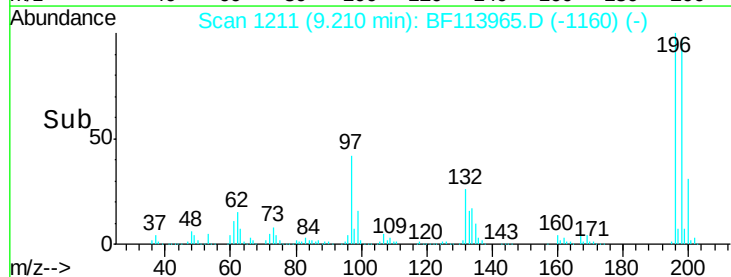
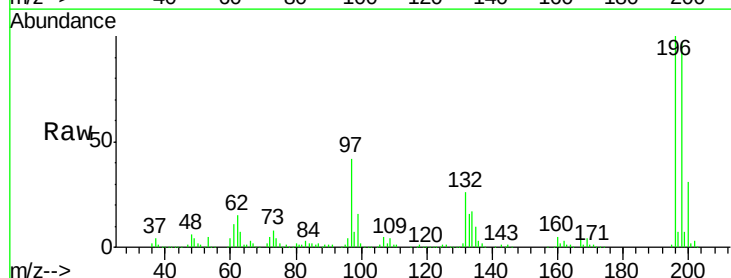
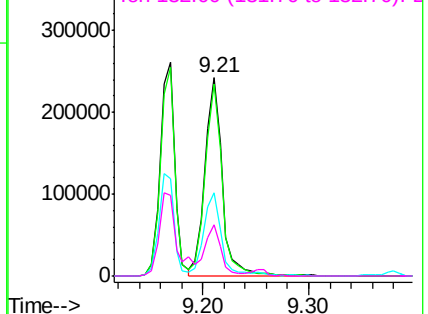
132 26.2 20.9 31.3

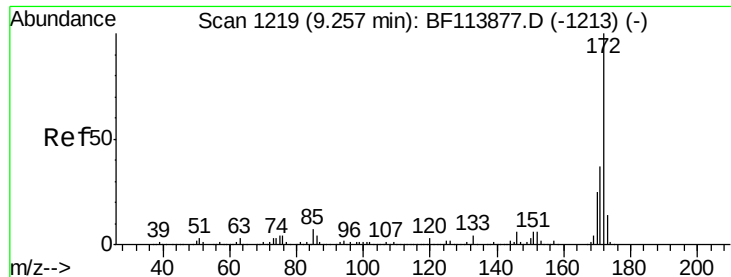
Abundance Ion 196.00 (195.70 to 196.70): E

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

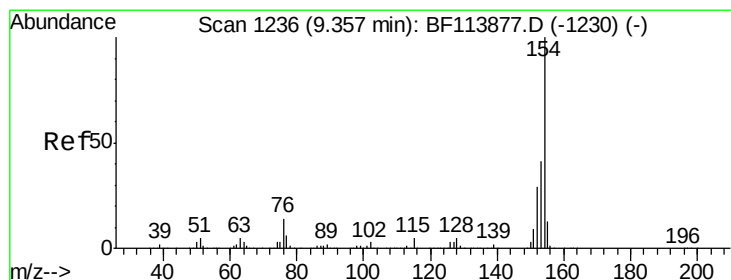
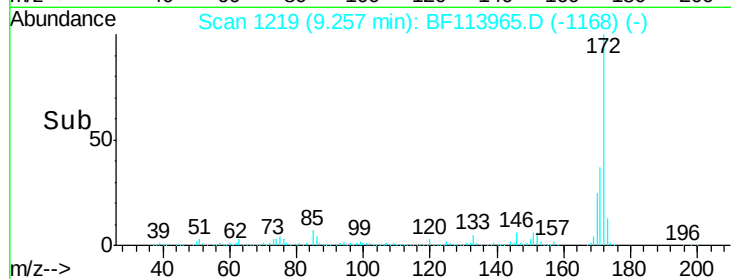
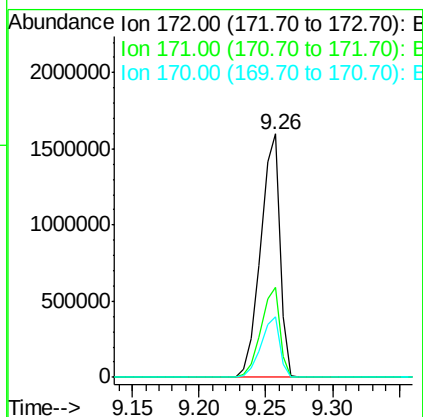
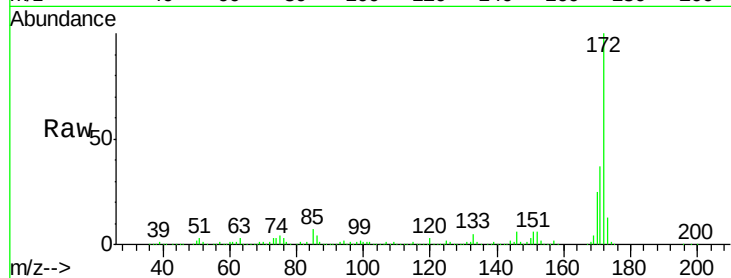




#45  
2-Fluorobiphenyl  
Concen: 97.301 ng  
RT: 9.26 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

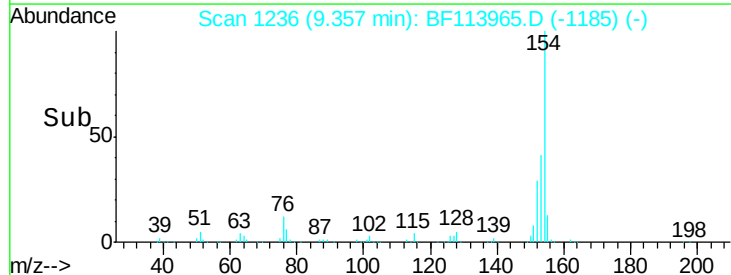
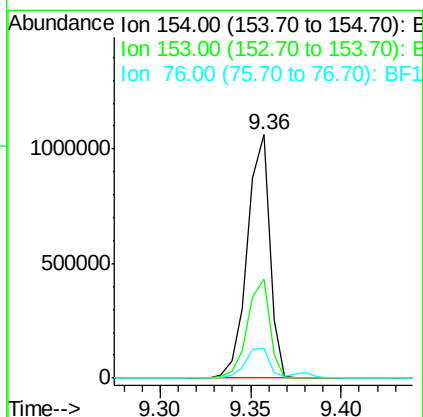
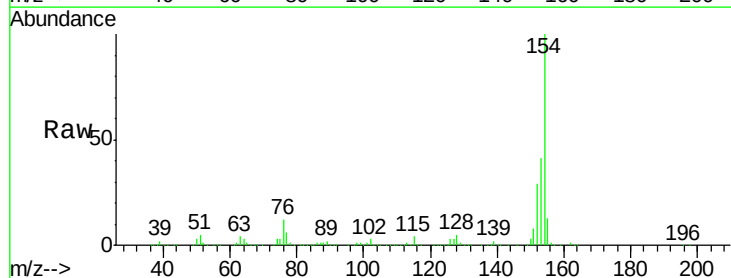
Instrument :  
BNA\_F  
ClientSampleId :

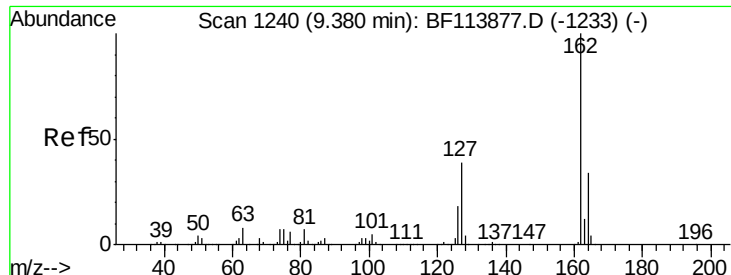
Tot Ion:172 Resp: 1578267  
Ion Ratio Lower Upper  
172 100  
171 36.8 29.4 44.0  
170 24.6 19.9 29.9



#46  
1,1'-Biphenyl  
Concen: 47.180 ng  
RT: 9.36 min Scan# 1236  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Tgt Ion:154 Resp: 914364  
Ion Ratio Lower Upper  
154 100  
153 40.7 20.8 60.8  
76 12.1 0.0 35.2

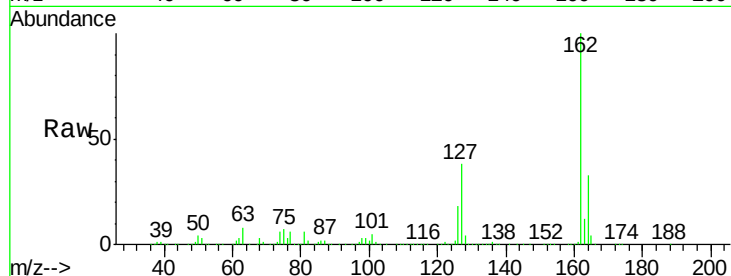




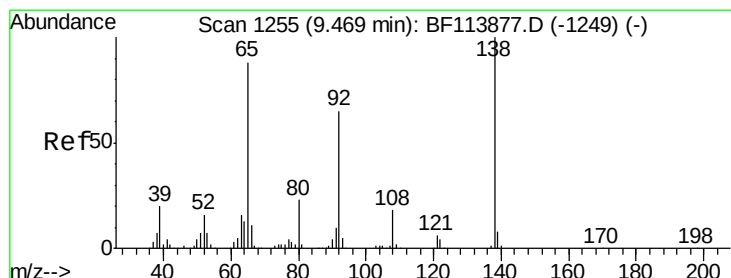
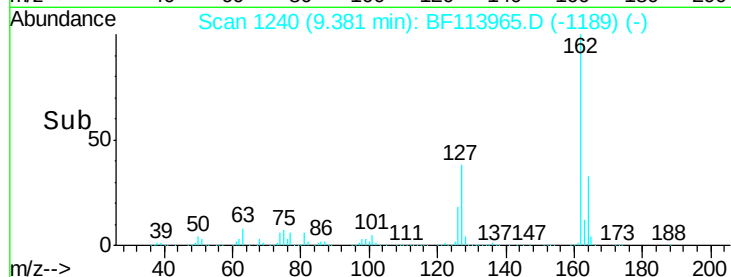
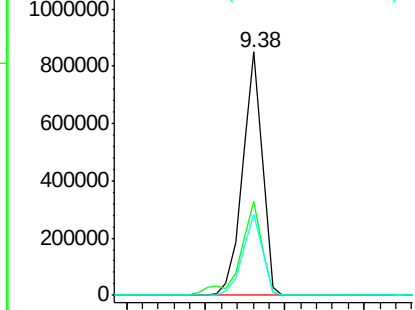
#47  
2-Chloronaphthalene  
Concen: 46.042 ng  
RT: 9.38 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.5  | 29.3  | 43.9  |
| 164     | 33.1  | 27.1  | 40.7  |

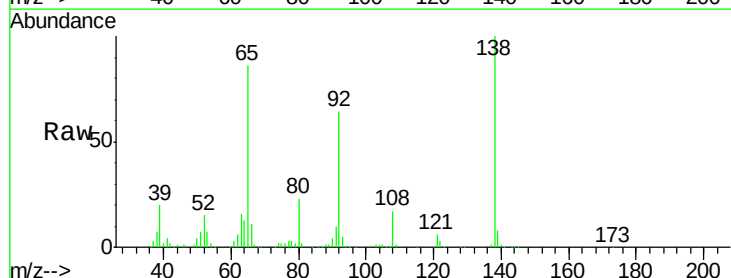


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

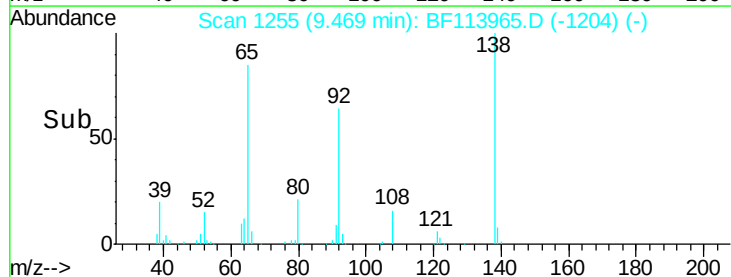
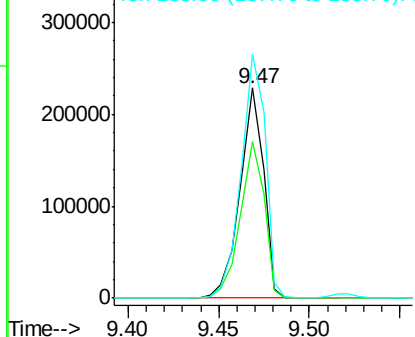


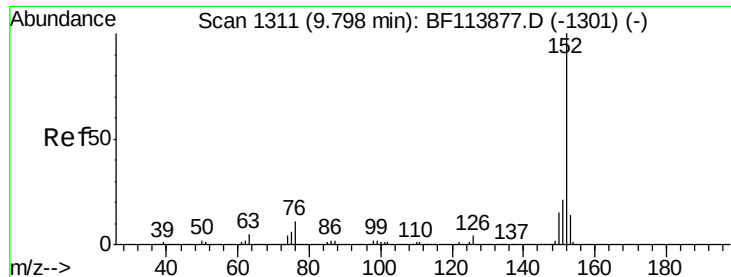
#48  
2-Nitroaniline  
Concen: 50.065 ng  
RT: 9.47 min Scan# 1255  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 74.5  | 57.4  | 86.0  |
| 138     | 116.1 | 85.4  | 128.0 |



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: 45.454 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

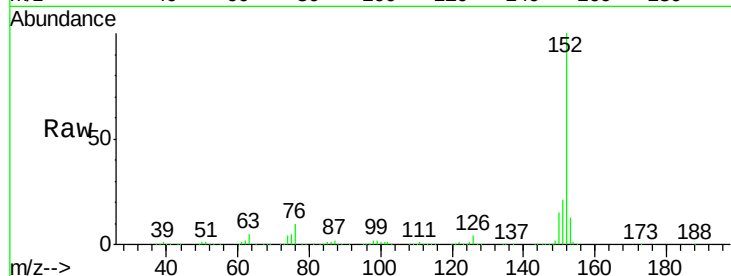
Tot Ion:152 Resp: 1121483

Ion Ratio Lower Upper

152 100

151 20.5 17.0 25.4

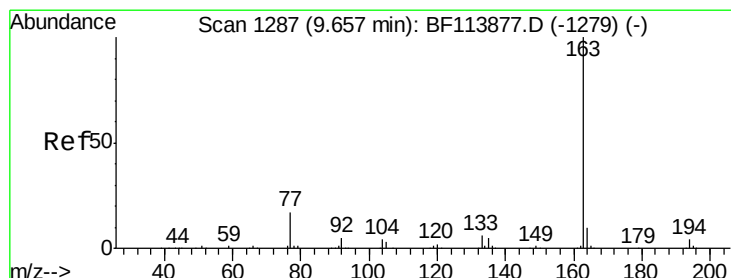
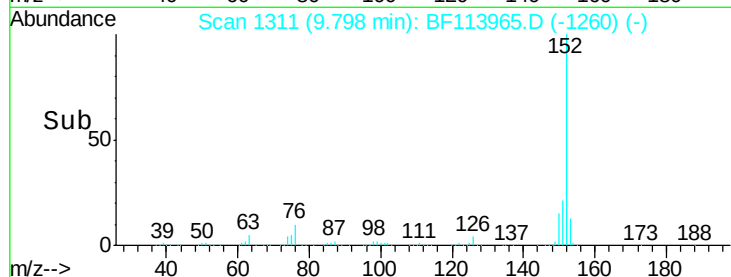
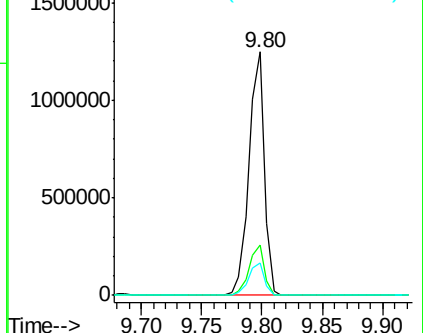
153 13.3 11.0 16.6



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: 49.429 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

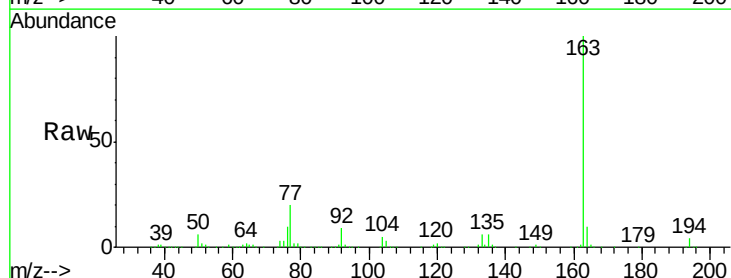
Tgt Ion:163 Resp: 906890

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

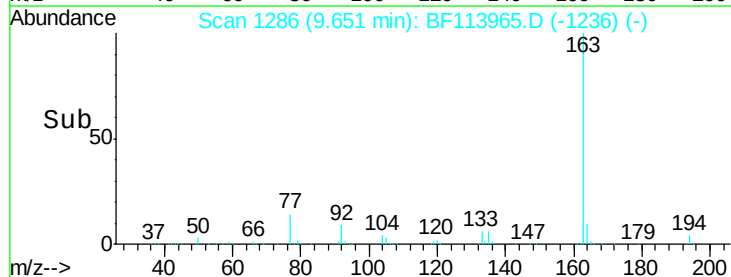
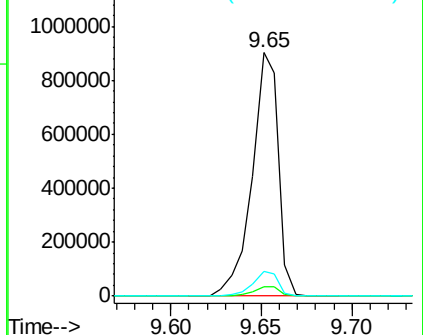
164 10.4 8.5 12.7

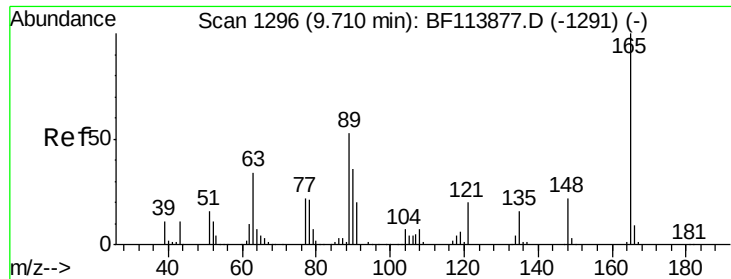


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 50.935 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

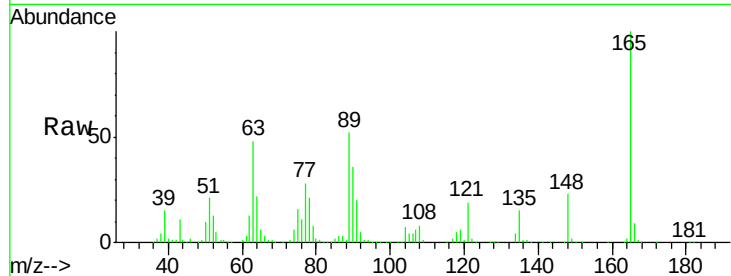
Tot Ion:165 Resp: 200489

Ion Ratio Lower Upper

165 100

63 48.2 33.8 50.8

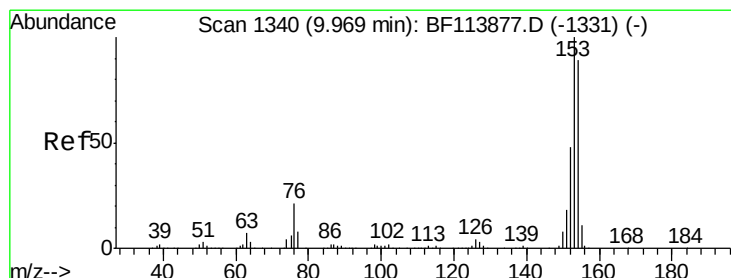
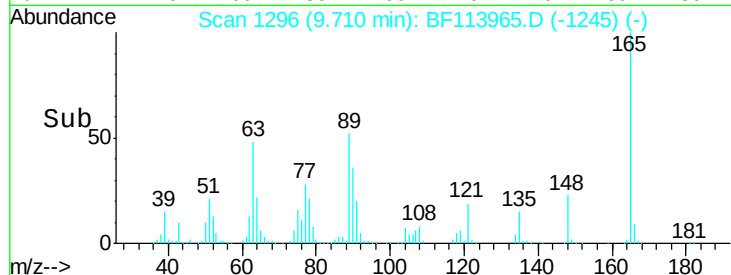
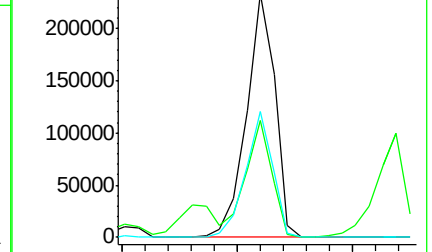
89 51.6 38.2 57.2



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: 49.042 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

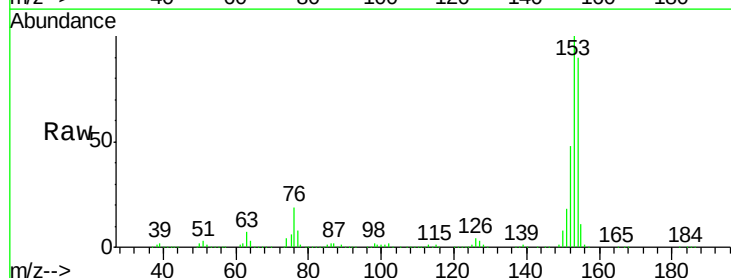
Tgt Ion:154 Resp: 715099

Ion Ratio Lower Upper

154 100

153 111.5 87.2 130.8

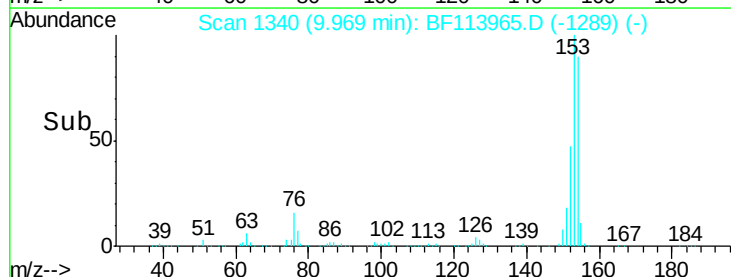
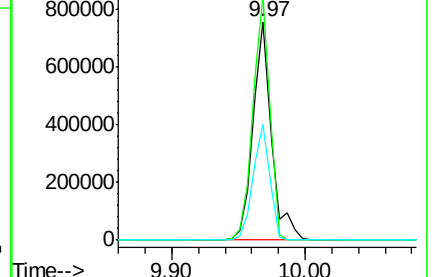
152 53.2 42.3 63.5

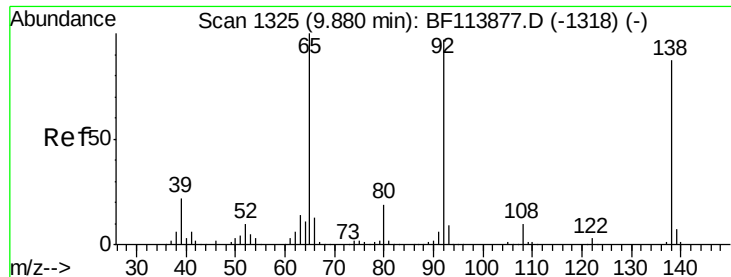


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

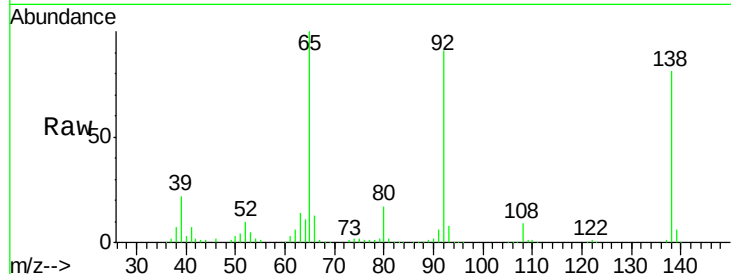




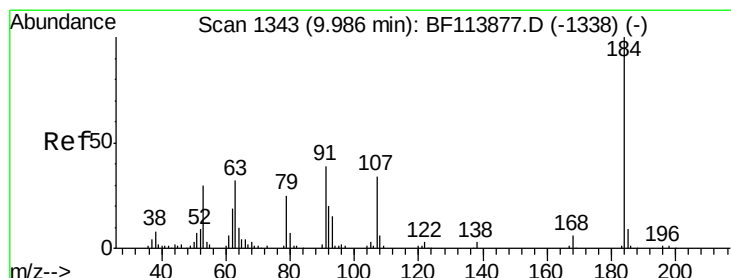
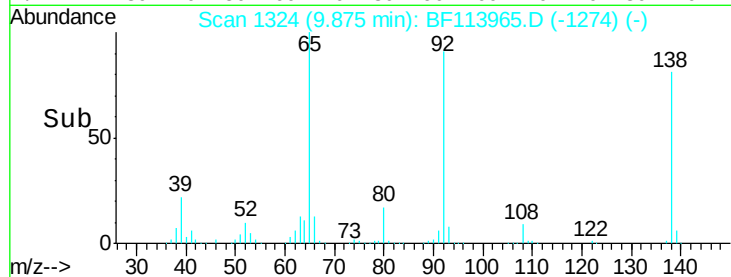
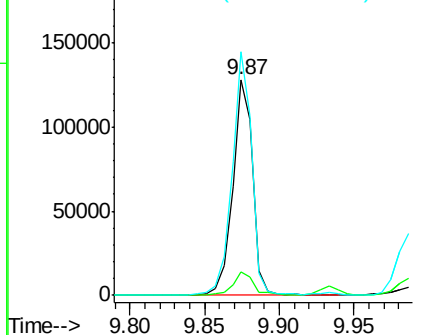
#53  
 3-Nitroaniline  
 Concen: 29.051 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:138 Resp: 120162  
 Ion Ratio Lower Upper  
 138 100  
 108 10.7 9.4 14.2  
 92 112.7 94.1 141.1

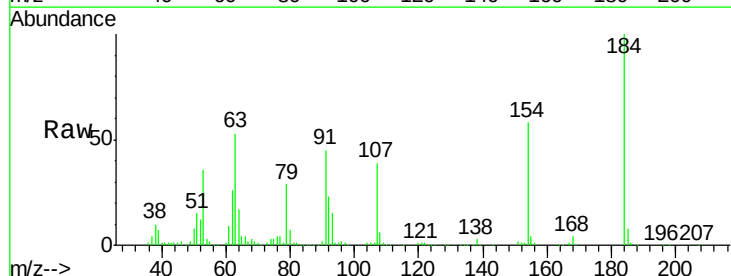


Abundance Ion 138.00 (137.70 to 138.70): E  
 Ion 108.00 (107.70 to 108.70): E  
 Ion 92.00 (91.70 to 92.70): BF1

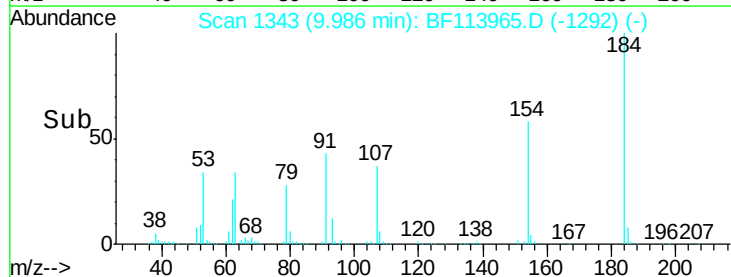
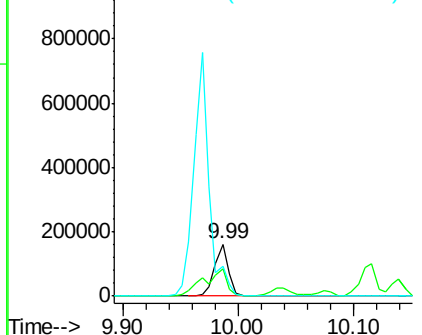


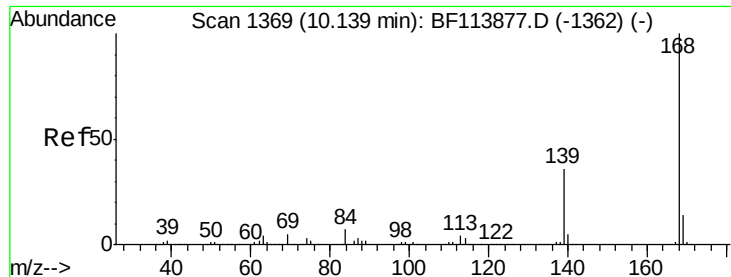
#54  
 2,4-Dinitrophenol  
 Concen: 79.688 ng  
 RT: 9.99 min Scan# 1343  
 Delta R.T. 0.00 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

Tgt Ion:184 Resp: 135647  
 Ion Ratio Lower Upper  
 184 100  
 63 52.6 54.6 81.8#  
 154 57.8 218.6 328.0#



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

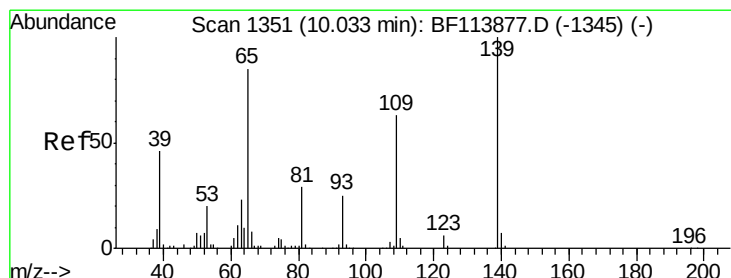
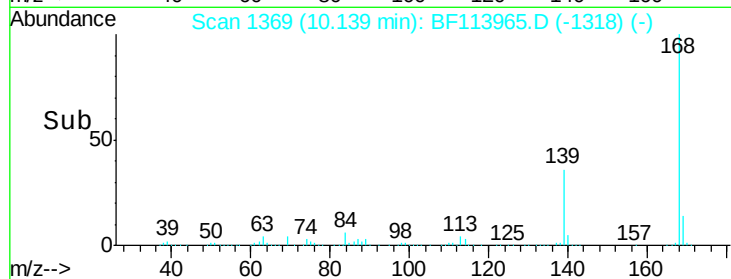
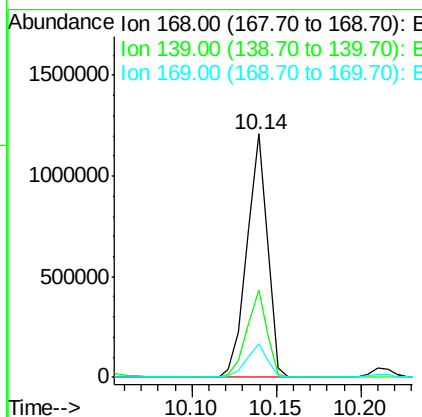
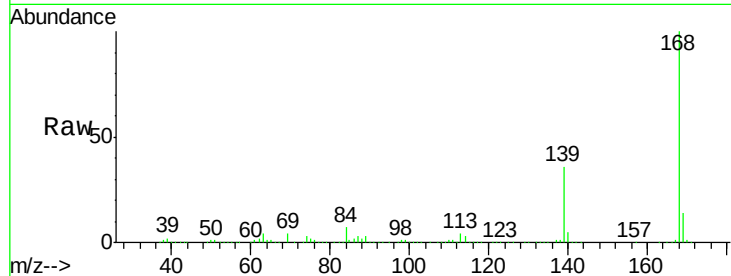




#55  
Dibenzofuran  
Concen: 47.612 ng  
RT: 10.14 min Scan# 1369  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

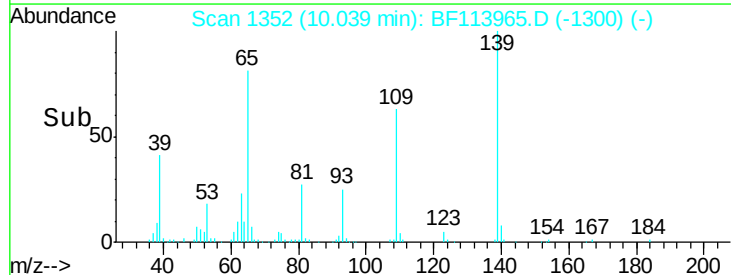
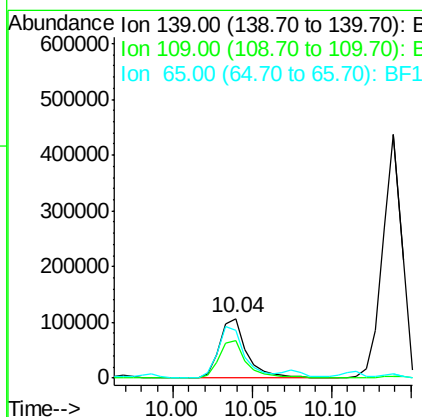
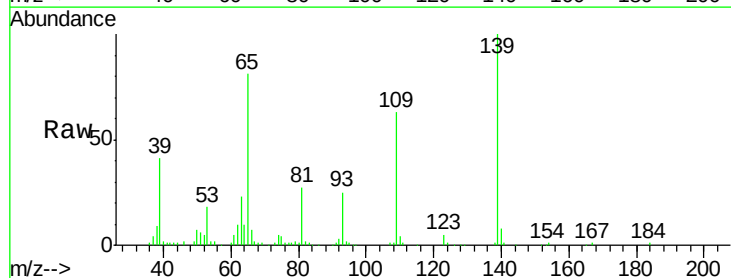
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 1039940  
Ion Ratio Lower Upper  
168 100  
139 36.1 27.8 41.6  
169 13.6 11.0 16.6

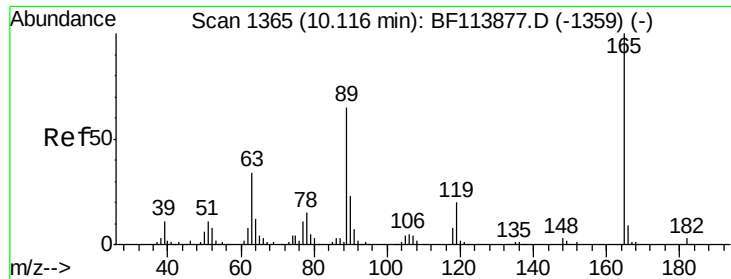


#56  
4-Nitrophenol  
Concen: 39.454 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. 0.01 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Tgt Ion:139 Resp: 129211  
Ion Ratio Lower Upper  
139 100  
109 63.3 42.9 82.9  
65 81.5 64.4 104.4



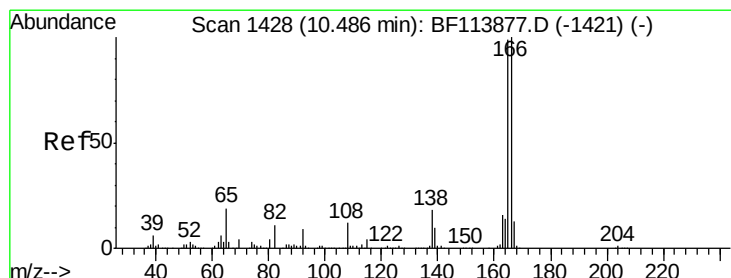
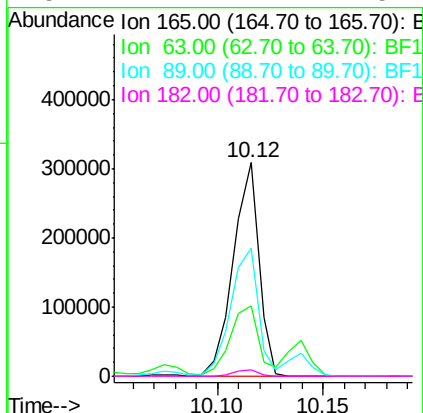
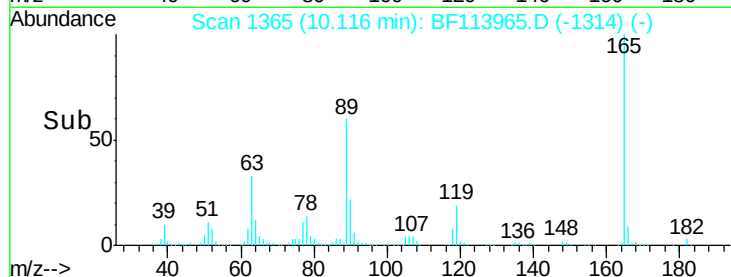
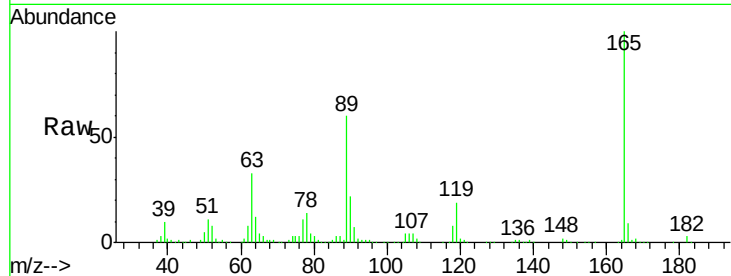




#57  
2,4-Dinitrotoluene  
Concen: 52.326 ng  
RT: 10.12 min Scan# 1365  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

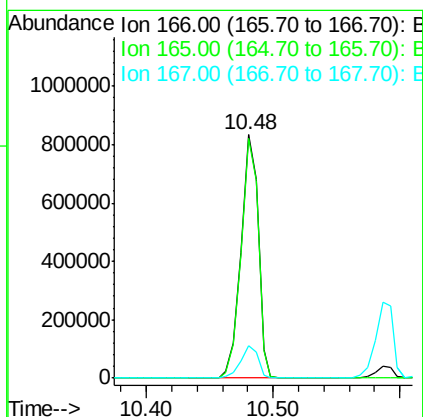
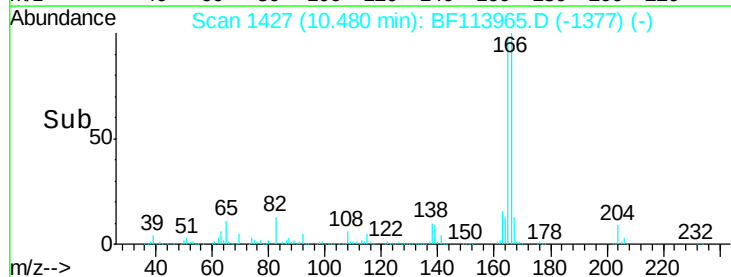
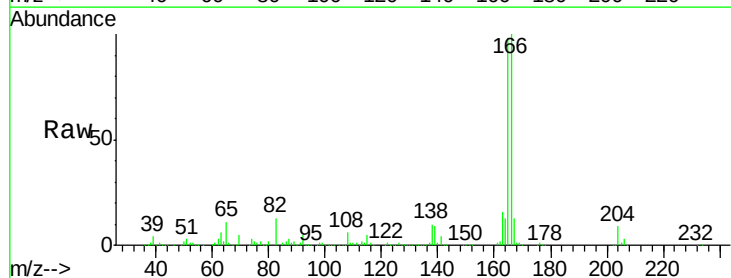
Instrument :  
BNA\_F  
ClientSampled :

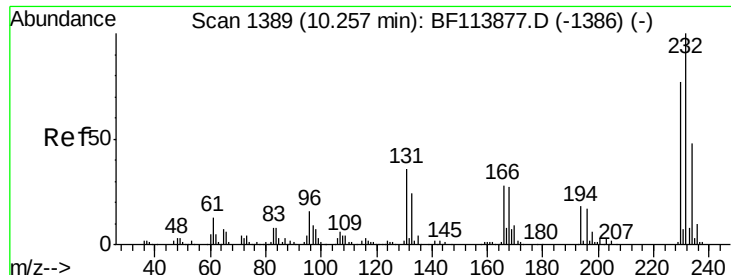
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 33.0  | 27.4  | 41.0  |
| 89      | 59.7  | 51.8  | 77.6  |
| 182     | 2.7   | 2.2   | 3.2   |



#58  
Fluorene  
Concen: 47.156 ng  
RT: 10.48 min Scan# 1427  
Delta R.T. -0.01 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.4  | 78.4  | 117.6 |
| 167     | 13.4  | 10.9  | 16.3  |

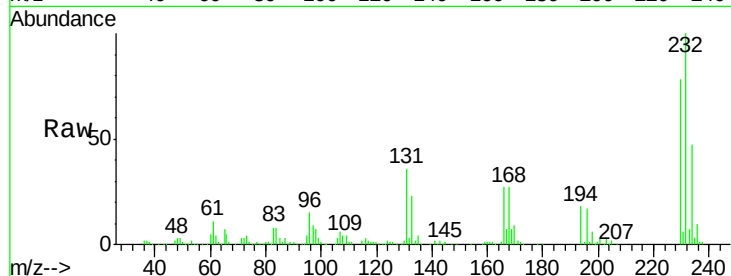




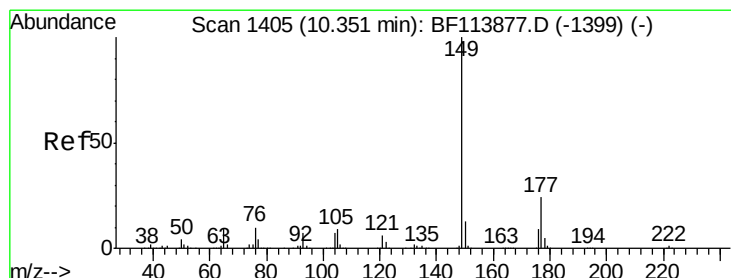
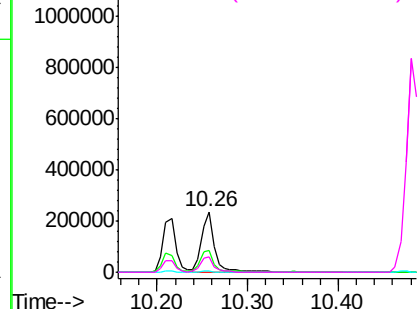
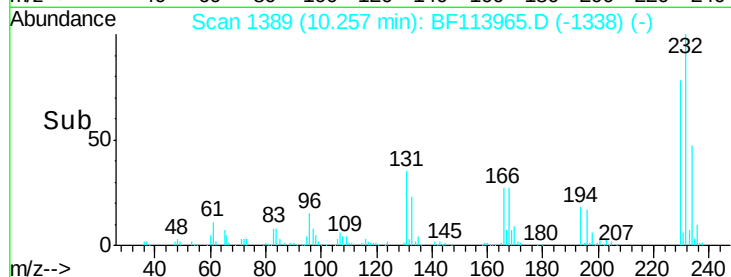
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 45.272 ng  
 RT: 10.26 min Scan# 1389  
 Delta R.T. 0.00 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 36.8  | 30.2  | 45.2  |
| 130     | 1.8   | 1.5   | 2.3   |
| 166     | 26.9  | 22.2  | 33.4  |

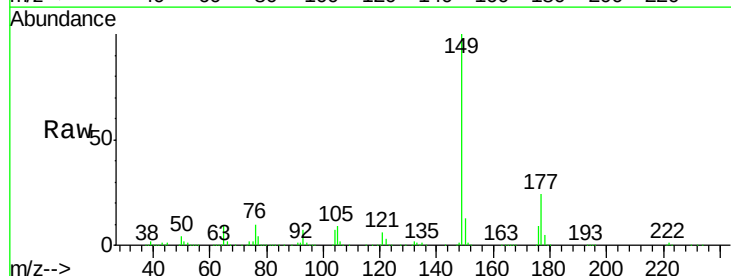


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

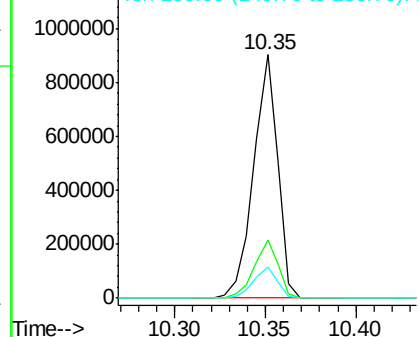
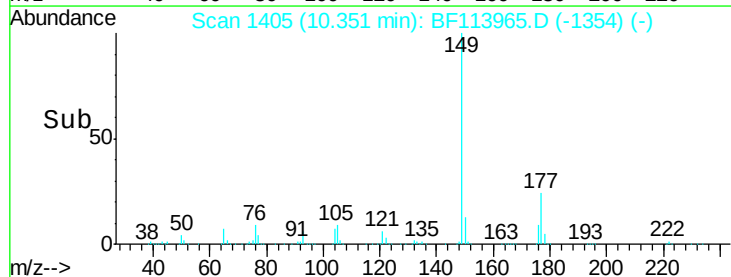


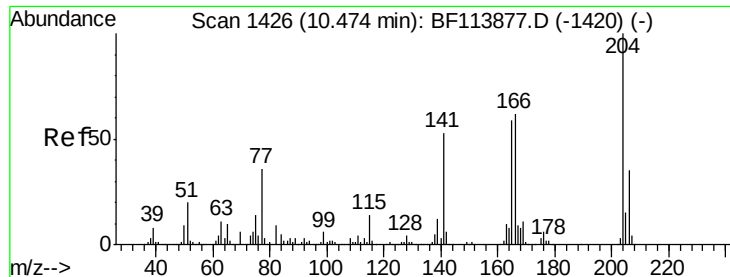
#60  
 Diethylphthalate  
 Concen: 47.866 ng  
 RT: 10.35 min Scan# 1405  
 Delta R.T. 0.00 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.9  | 19.2  | 28.8  |
| 150     | 12.8  | 10.3  | 15.5  |



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

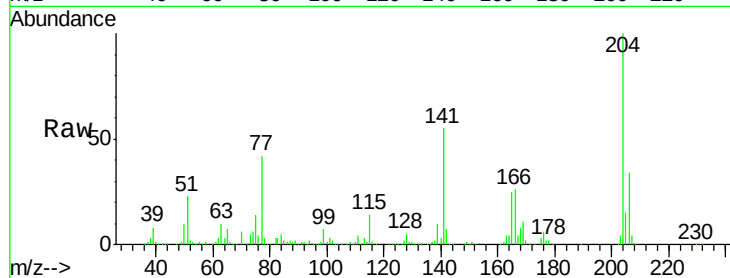




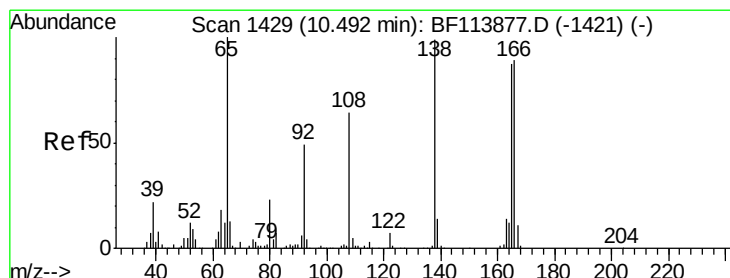
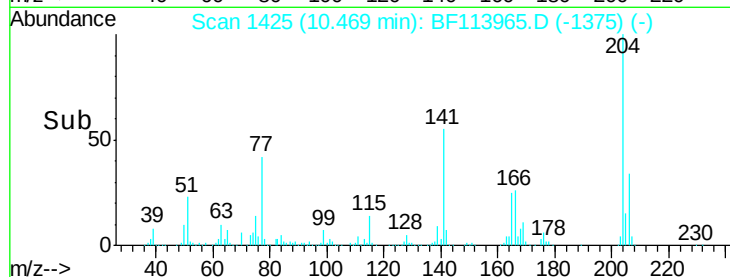
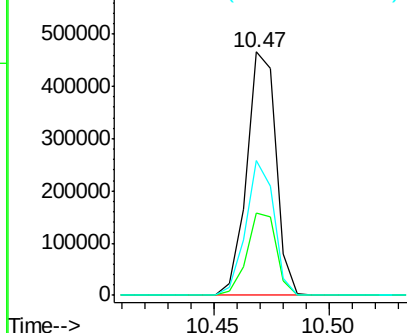
#61  
4-Chlorophenyl-phenylether  
Concen: 47.500 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:204 Resp: 413667  
Ion Ratio Lower Upper  
204 100  
206 33.7 27.4 41.2  
141 55.3 42.6 63.8

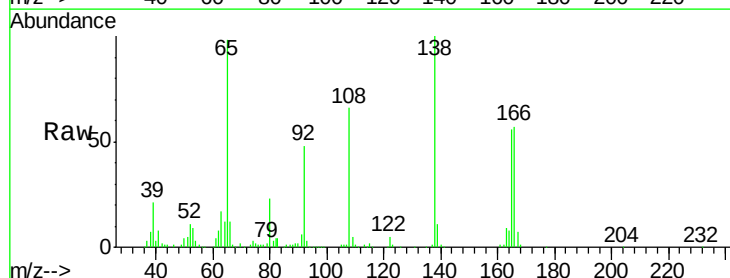


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

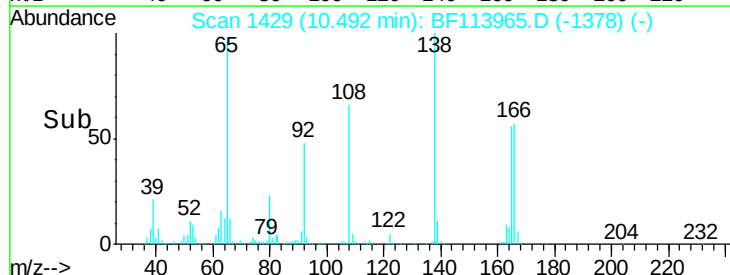
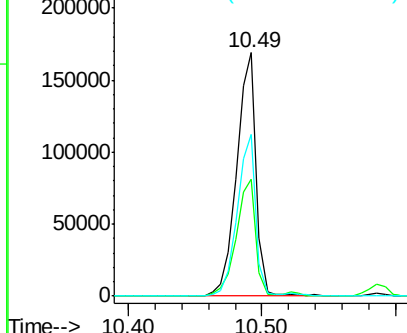


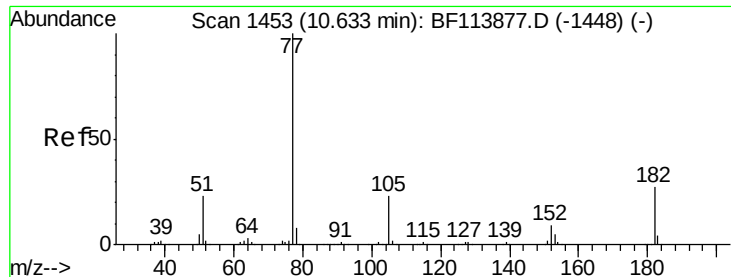
#62  
4-Nitroaniline  
Concen: 42.813 ng  
RT: 10.49 min Scan# 1429  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Tgt Ion:138 Resp: 172809  
Ion Ratio Lower Upper  
138 100  
92 47.9 31.3 71.3  
108 66.3 48.9 88.9



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





#63

Azobenzene

Concen: 45.763 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 772763

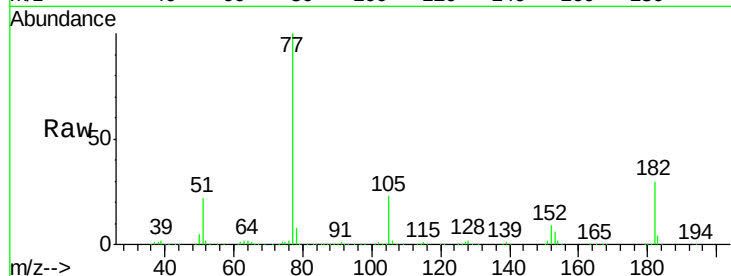
Ion Ratio Lower Upper

77 100

182 29.5 4.4 44.4

105 23.1 2.2 42.2

51 22.4 3.9 43.9

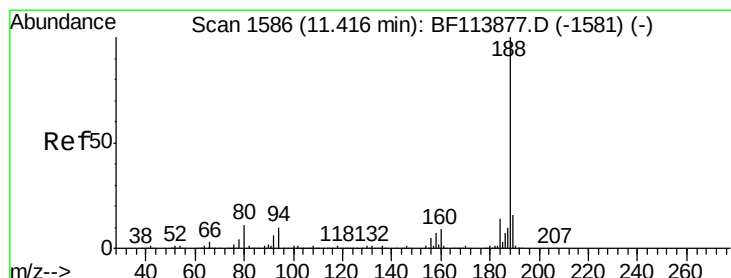
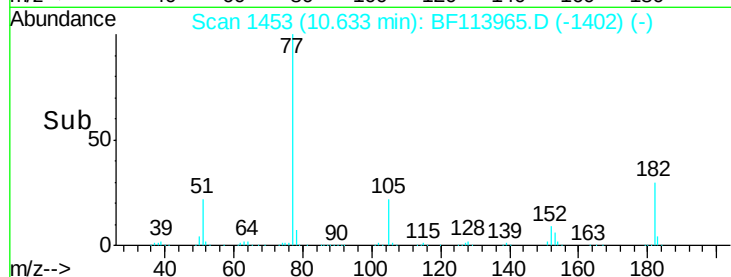
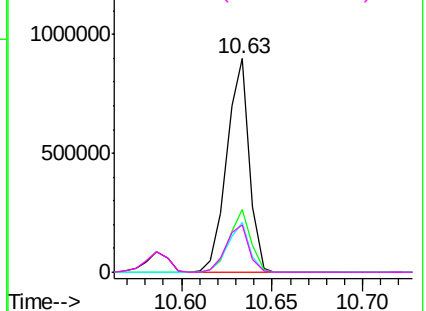


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

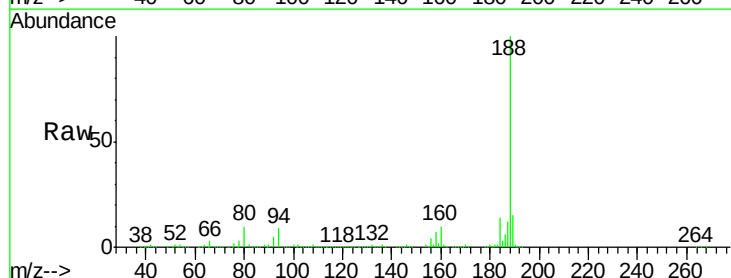
Tgt Ion: 188 Resp: 473344

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.4

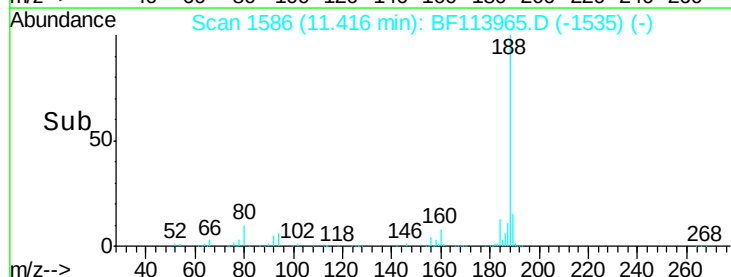
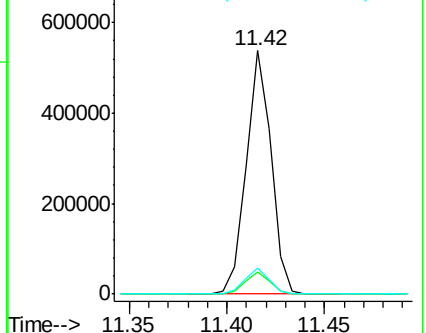
80 10.5 9.0 13.6

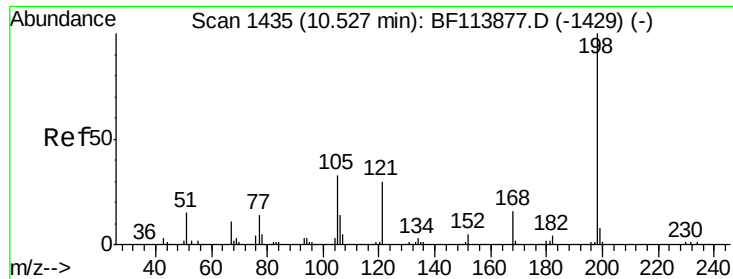


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 44.505 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

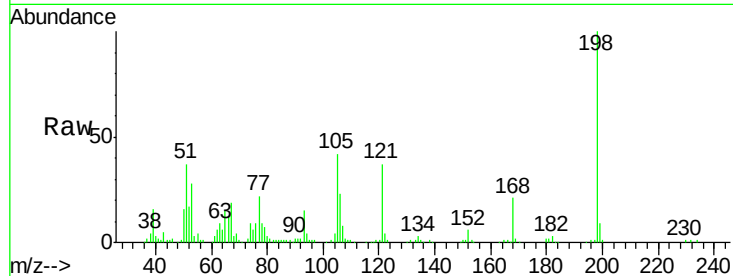
Tot Ion:198 Resp: 95194

Ion Ratio Lower Upper

198 100

51 36.9 11.1 51.1

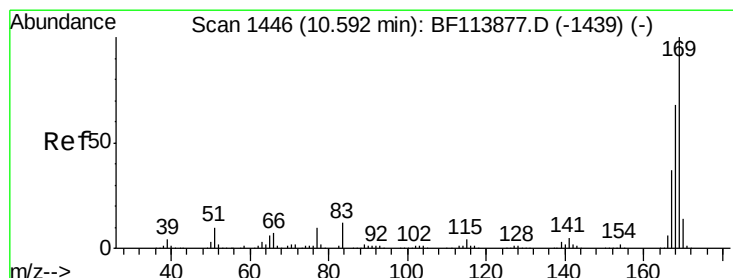
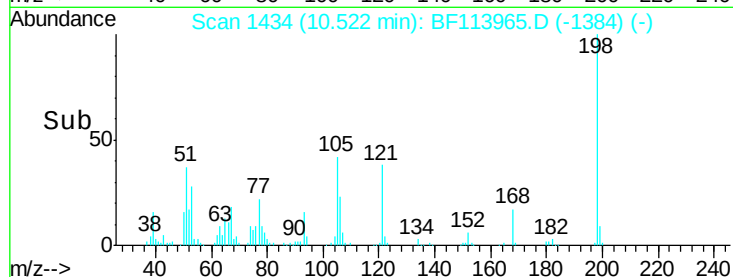
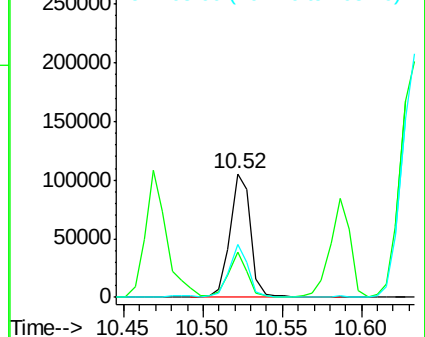
105 42.2 20.7 60.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 49.539 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

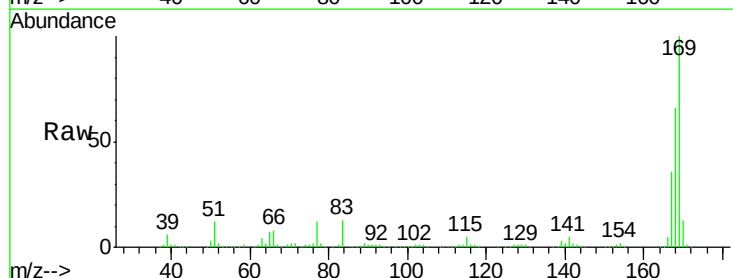
Tgt Ion:169 Resp: 703593

Ion Ratio Lower Upper

169 100

168 66.4 54.3 81.5

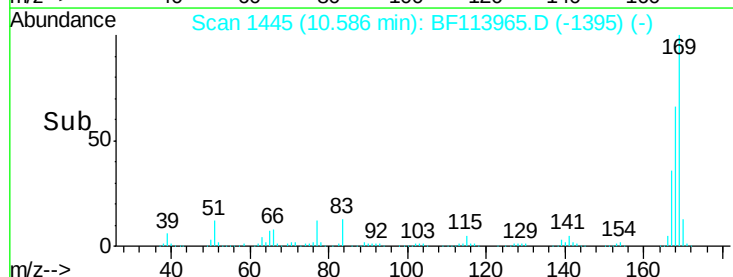
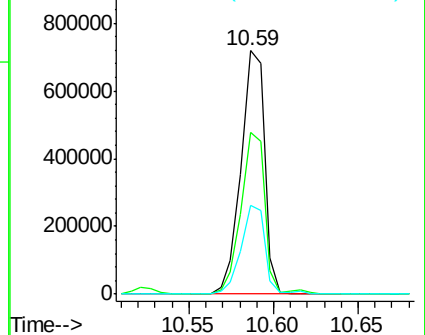
167 36.4 29.4 44.0

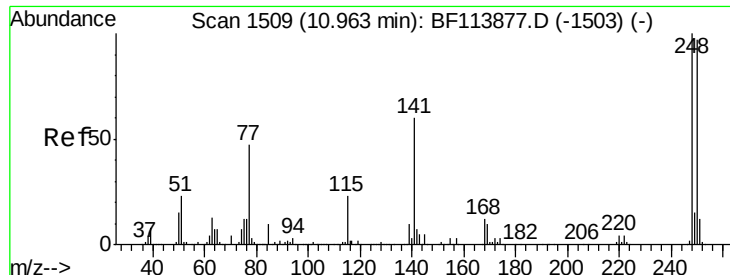


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

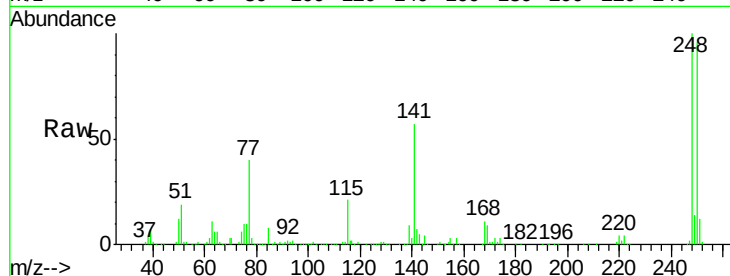




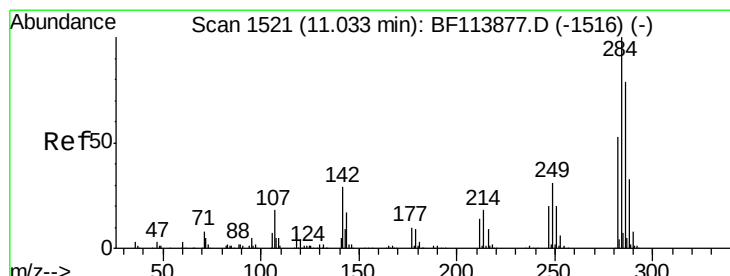
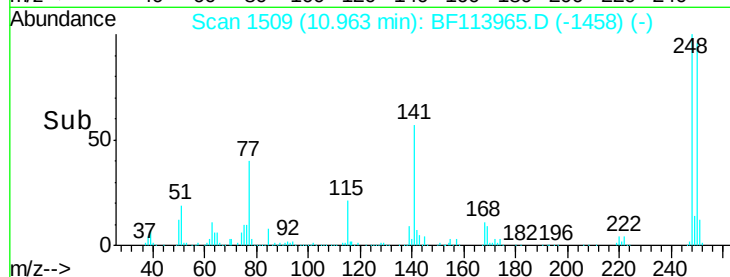
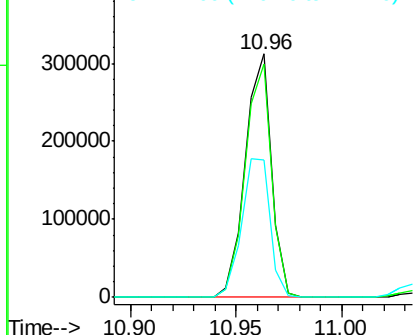
#67  
4-Bromophenyl-phenylether  
Concen: 47.051 ng  
RT: 10.96 min Scan# 1509  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 269046  
Ion Ratio Lower Upper  
248 100  
250 95.9 75.8 113.6  
141 56.7 50.2 75.4

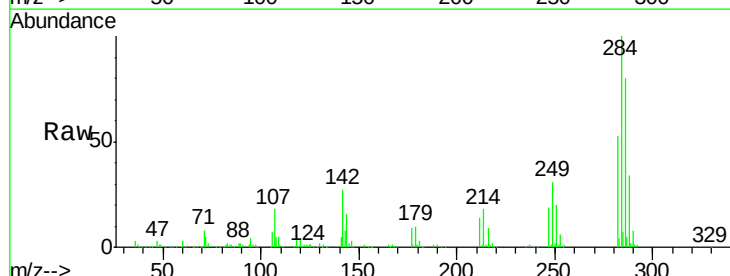


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

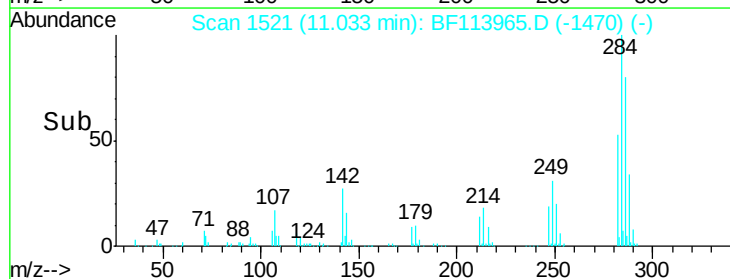
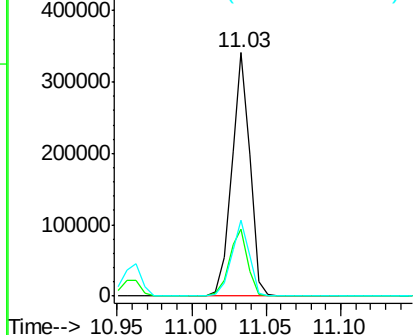


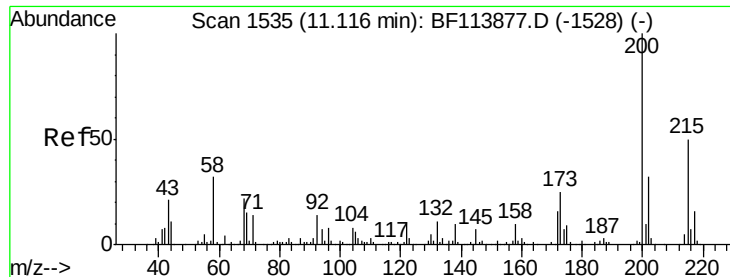
#68  
Hexachlorobenzene  
Concen: 46.499 ng  
RT: 11.03 min Scan# 1521  
Delta R.T. 0.00 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Tgt Ion:284 Resp: 292187  
Ion Ratio Lower Upper  
284 100  
142 27.3 23.0 34.4  
249 31.1 24.4 36.6



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: 48.293 ng

RT: 11.12 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

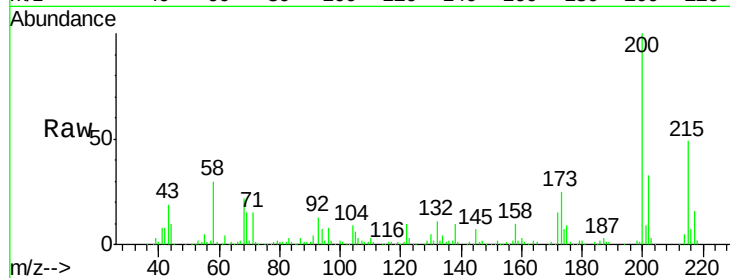
Tot Ion:200 Resp: 223123

Ion Ratio Lower Upper

200 100

173 25.4 5.9 45.9

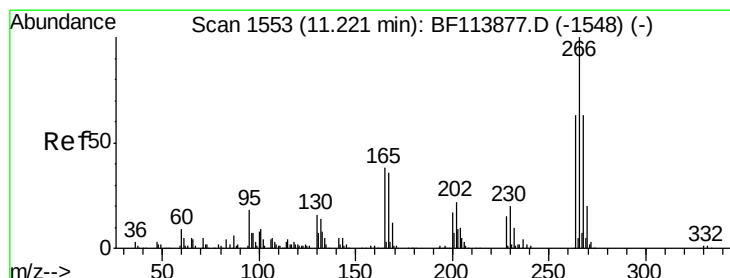
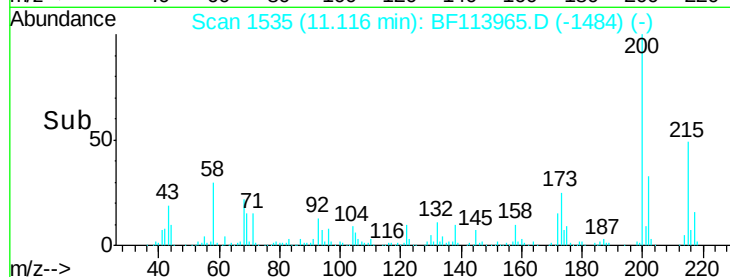
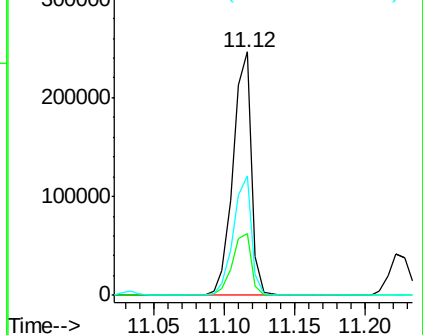
215 49.2 29.3 69.3



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: 83.550 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

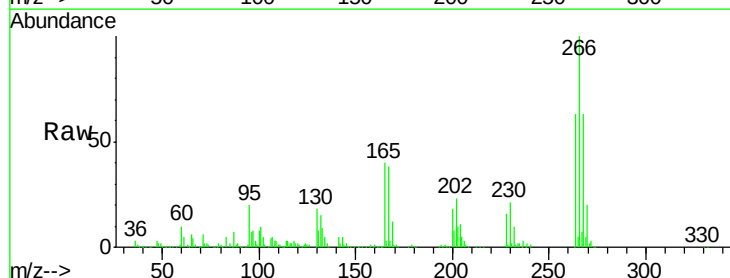
Tgt Ion:266 Resp: 297249

Ion Ratio Lower Upper

266 100

268 63.3 53.5 80.3

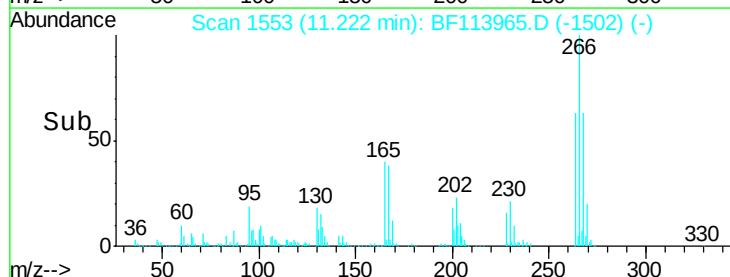
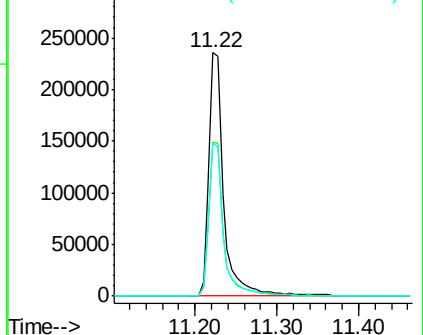
264 62.7 51.0 76.6

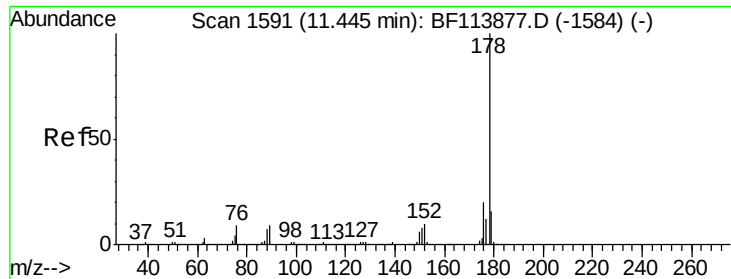


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 47.261 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

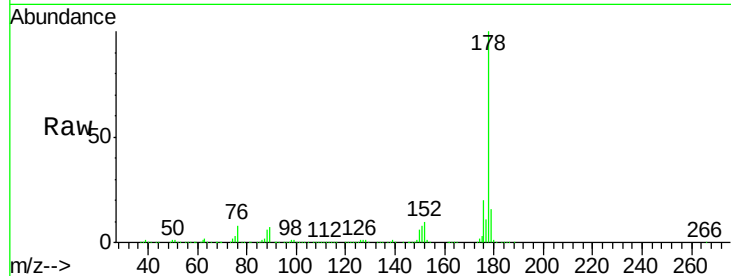
Tot Ion:178 Resp: 1124262

Ion Ratio Lower Upper

178 100

176 19.8 16.1 24.1

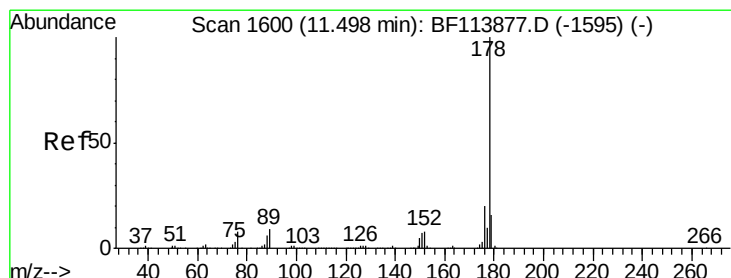
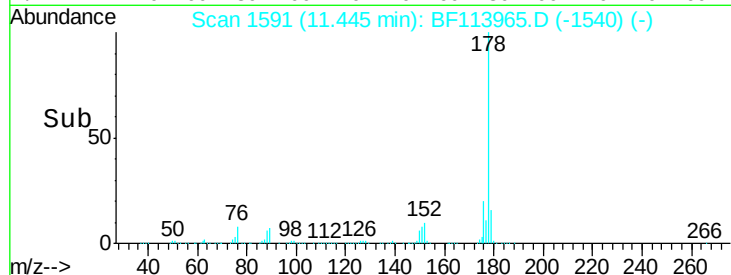
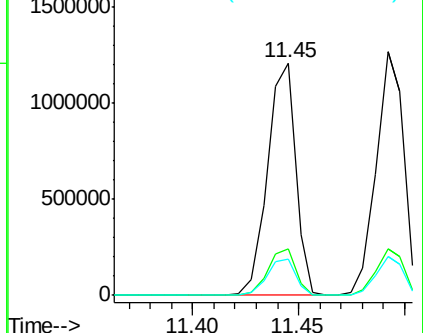
179 15.8 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 48.140 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

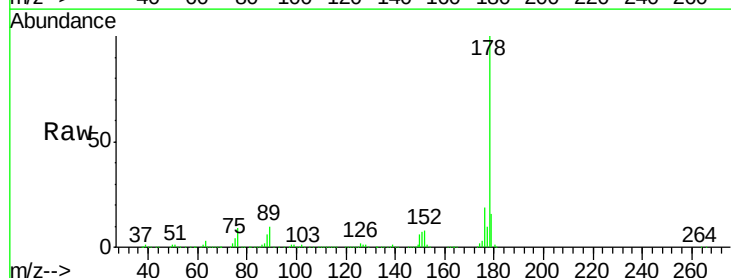
Tgt Ion:178 Resp: 1156434

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

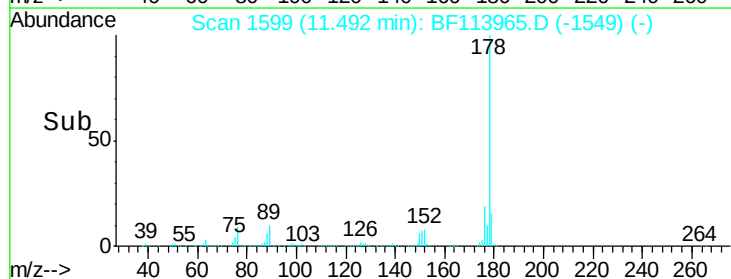
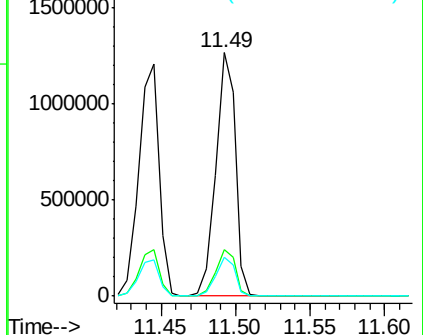
179 16.0 13.0 19.4



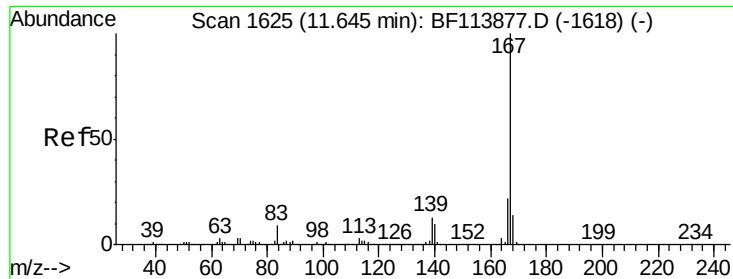
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



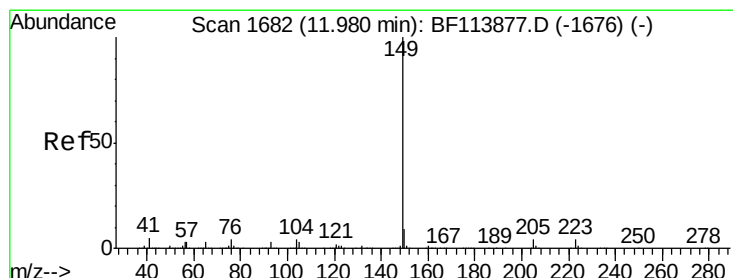
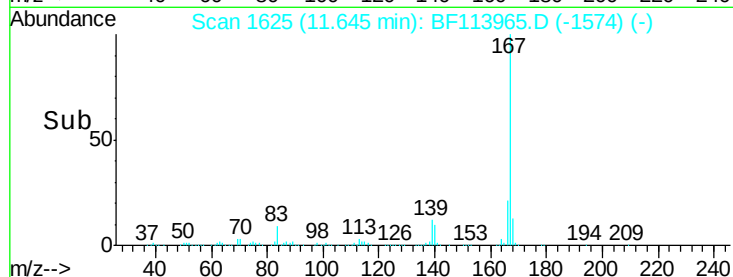
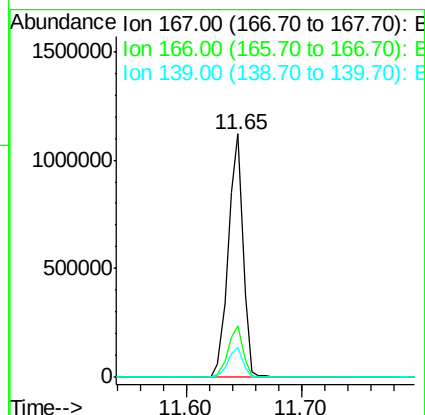
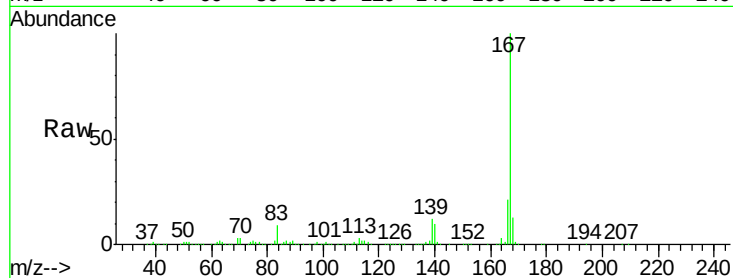




#73  
 Carbazole  
 Concen: 46.347 ng  
 RT: 11.65 min Scan# 1625  
 Delta R.T. 0.00 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

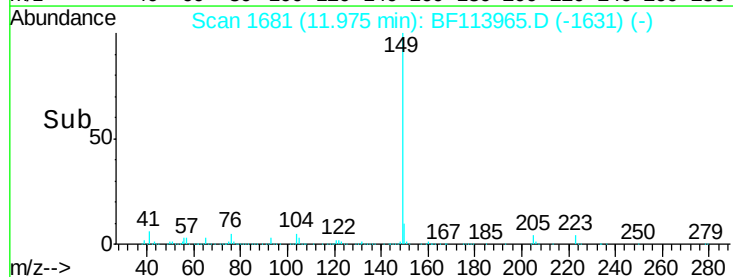
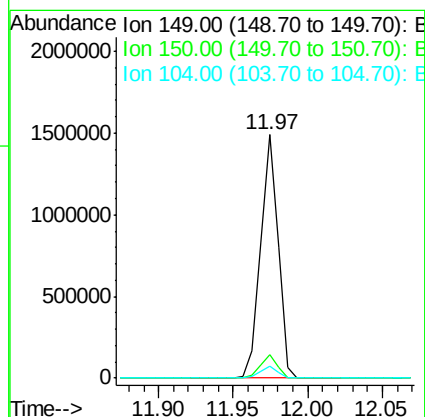
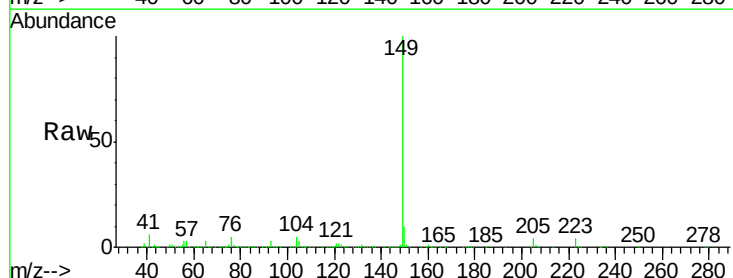
Instrument :  
 BNA\_F  
 ClientSampleId :

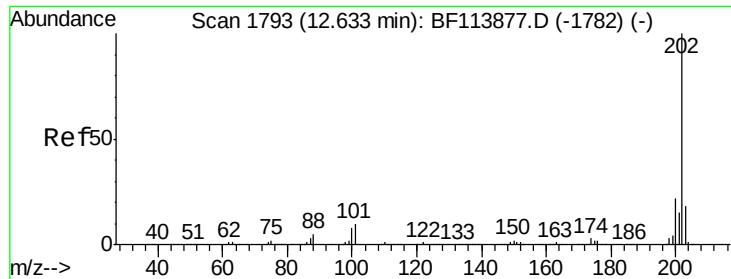
Tot Ion:167 Resp: 993286  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 17.7 26.5  
 139 12.4 10.0 15.0



#74  
 Di-n-butylphthalate  
 Concen: 47.380 ng  
 RT: 11.97 min Scan# 1681  
 Delta R.T. -0.01 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

Tgt Ion:149 Resp: 1194470  
 Ion Ratio Lower Upper  
 149 100  
 150 9.6 7.8 11.8  
 104 4.8 3.8 5.8



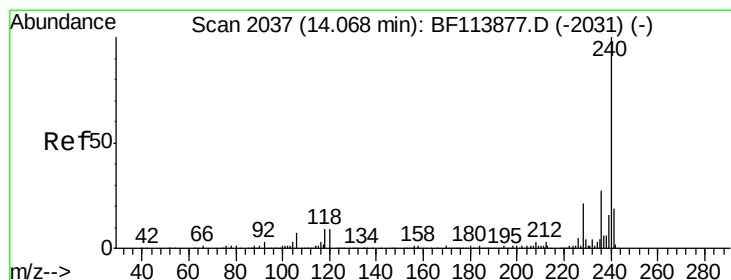
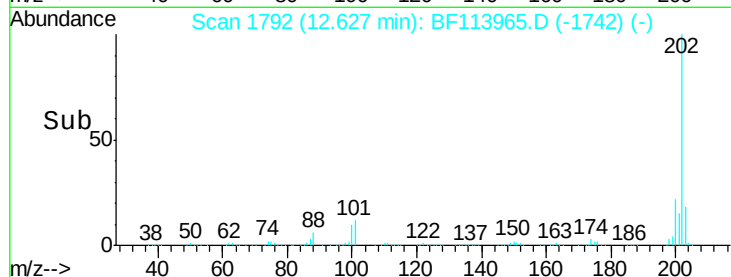
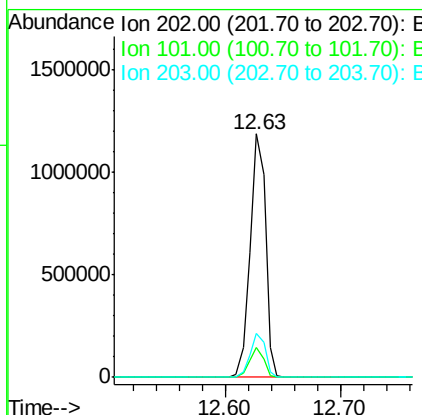
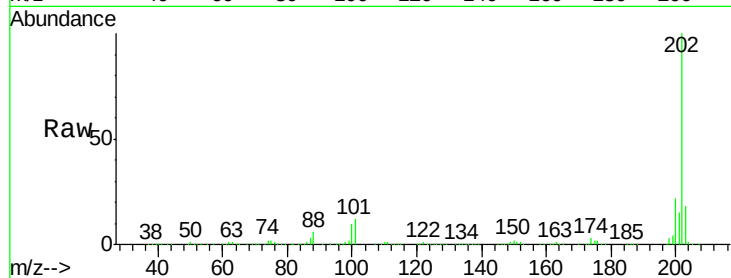


#75  
 Fluoranthene  
 Concen: 42.328 ng  
 RT: 12.63 min Scan# 1792  
 Delta R.T. -0.01 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:202 Resp: 1098547  

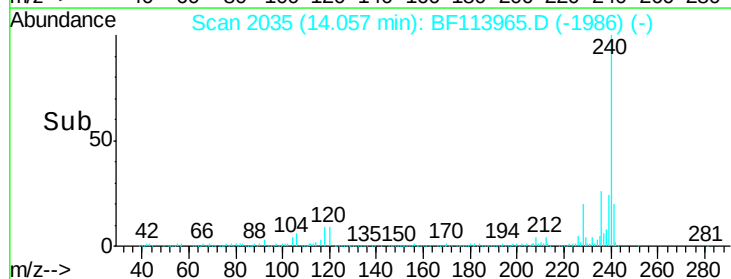
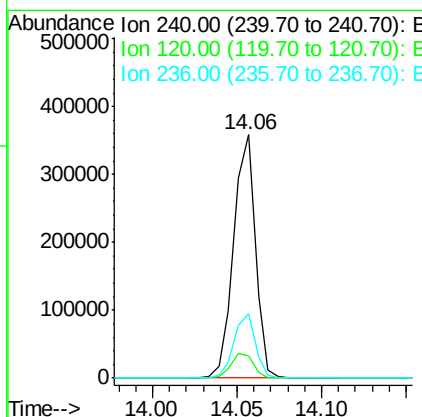
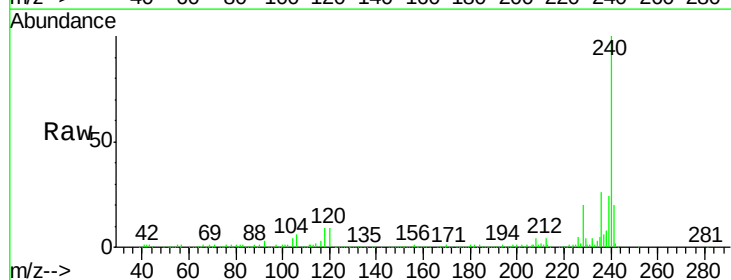
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 12.5  | 0.0   | 32.9  |
| 203 | 18.1  | 0.0   | 38.2  |

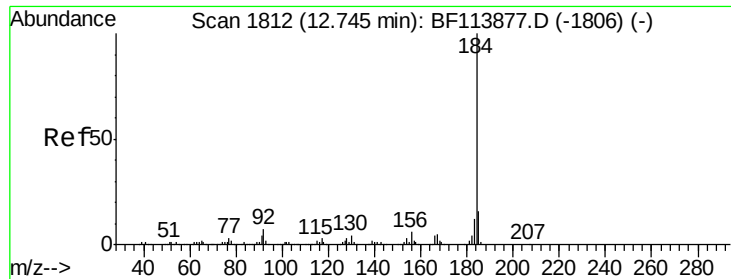


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.06 min Scan# 2035  
 Delta R.T. -0.01 min  
 Lab File: BF113965.D  
 Acq: 24 Apr 2019 16:55

Tgt Ion:240 Resp: 320344  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 9.0   | 9.3   | 13.9# |
| 236 | 26.4  | 21.2  | 31.8  |





#77

Benzidine

Concen: 16.223 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

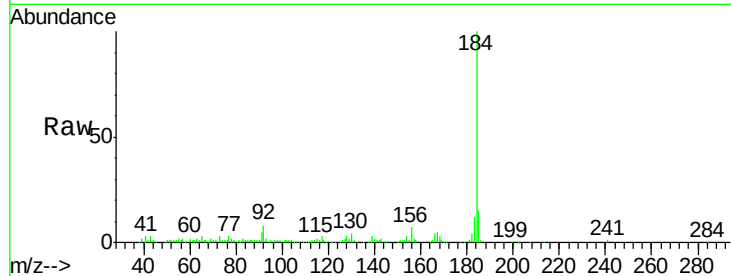
Tot Ion:184 Resp: 154845

Ion Ratio Lower Upper

184 100

185 15.3 13.0 19.6

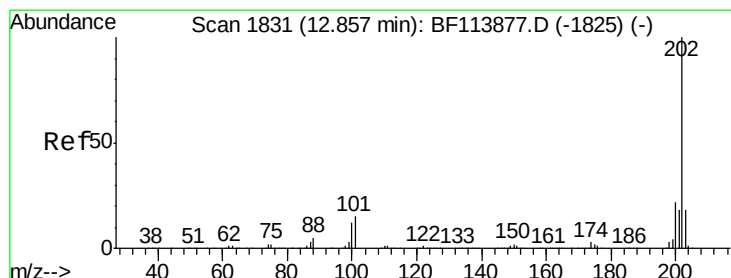
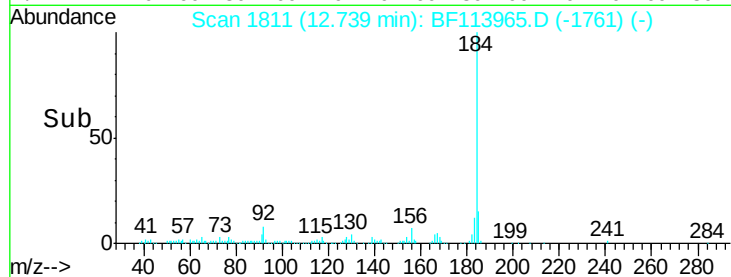
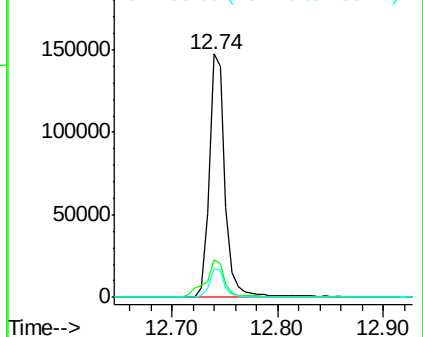
183 11.7 9.4 14.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 48.239 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

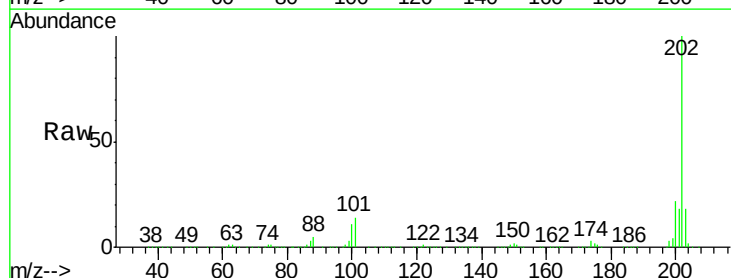
Tgt Ion:202 Resp: 1080657

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

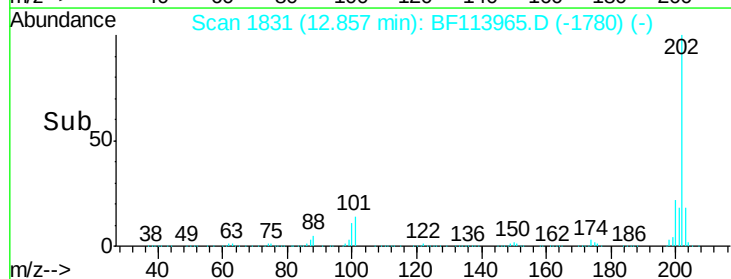
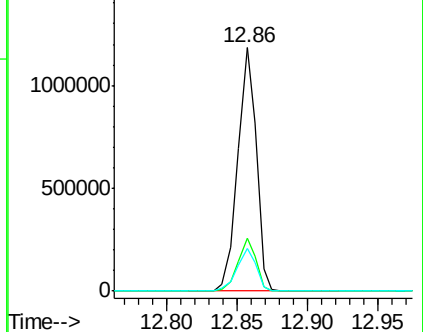
203 17.6 15.0 22.6

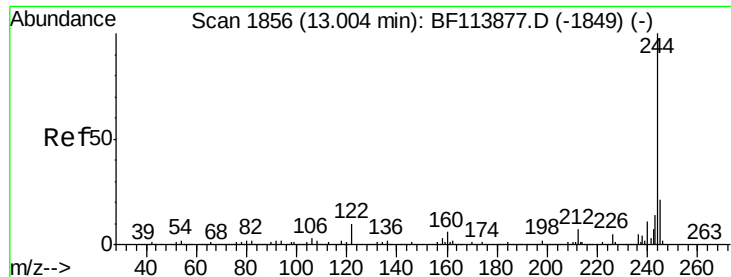


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 100.753 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampleId :

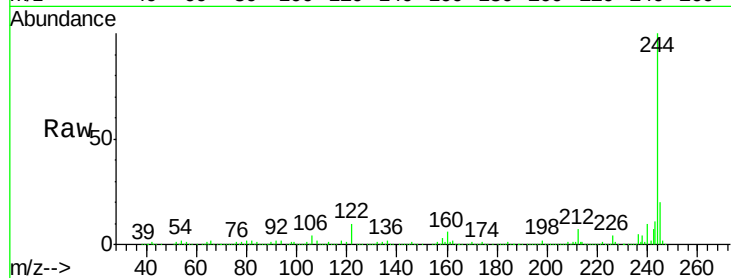
Tot Ion:244 Resp: 1574314

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

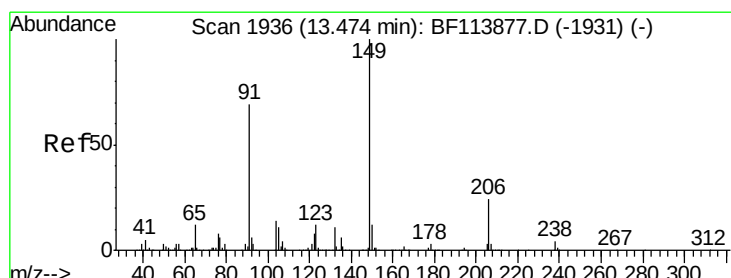
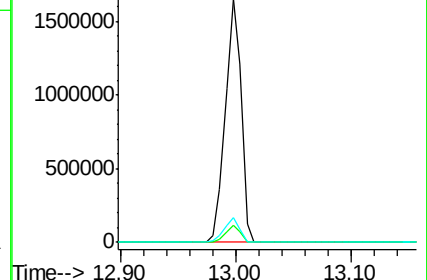
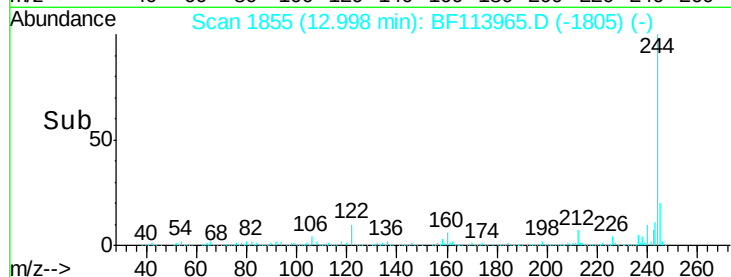
122 10.4 7.6 11.4



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: 50.291 ng

RT: 13.47 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

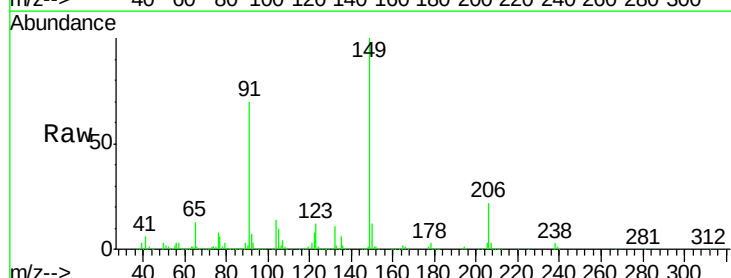
Tgt Ion:149 Resp: 443264

Ion Ratio Lower Upper

149 100

91 70.3 56.3 84.5

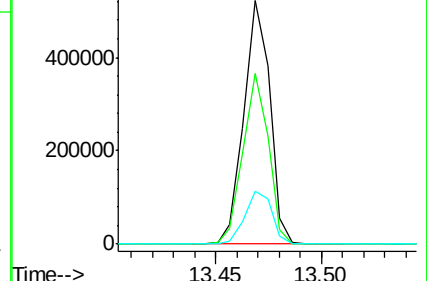
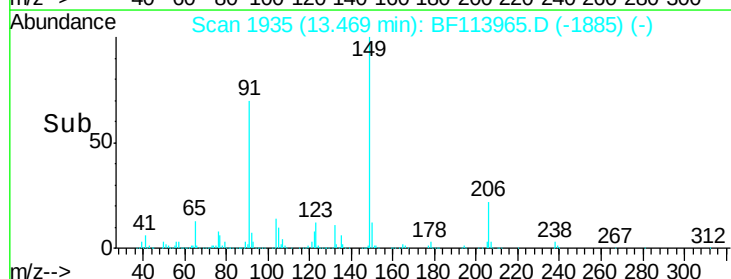
206 21.7 19.0 28.6

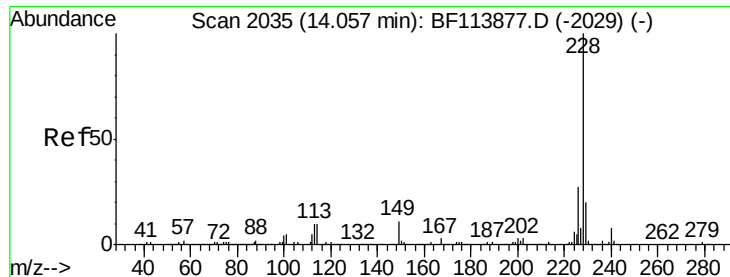


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.629 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampled :

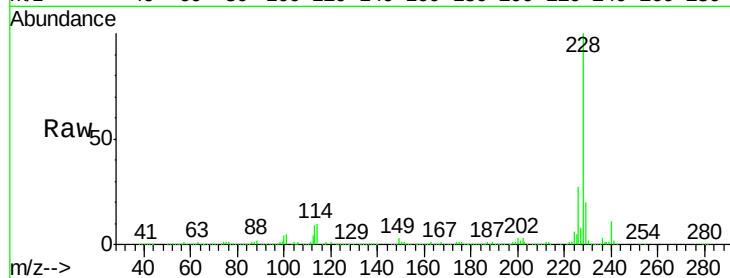
Tot Ion:228 Resp: 936703

Ion Ratio Lower Upper

228 100

226 27.1 22.2 33.2

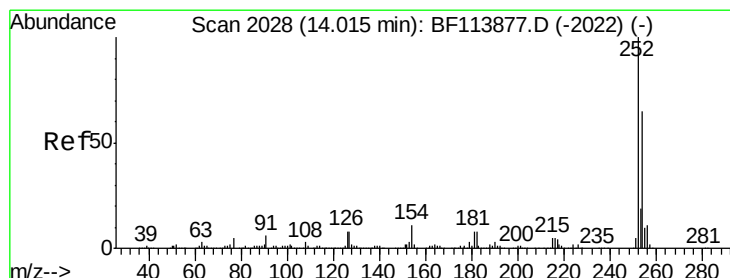
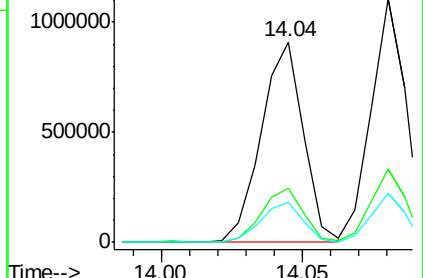
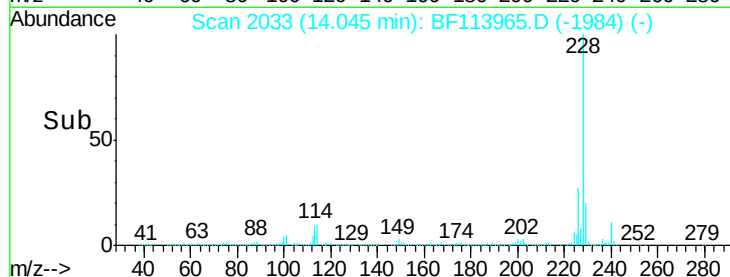
229 20.1 16.0 24.0



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: 40.743 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

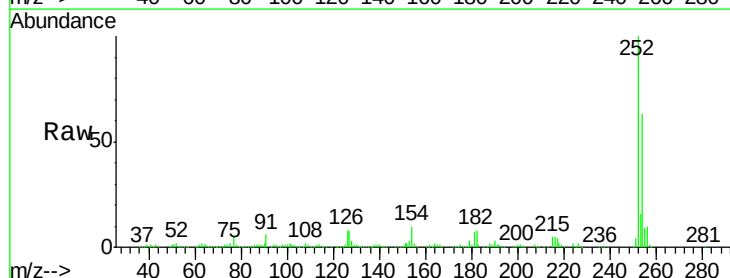
Tgt Ion:252 Resp: 281853

Ion Ratio Lower Upper

252 100

254 63.5 52.1 78.1

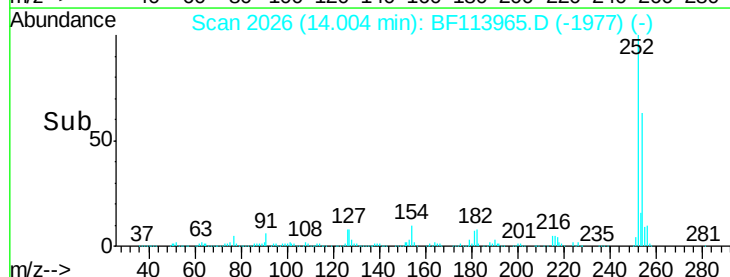
126 8.5 9.3 13.9#



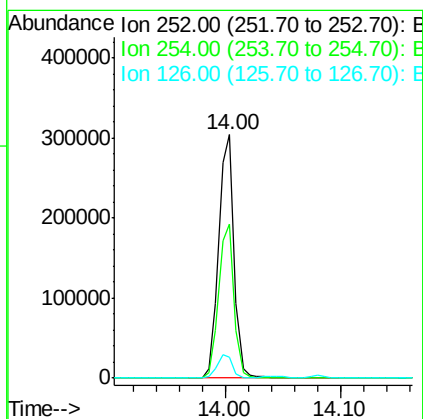
Abundance Ion 252.00 (251.70 to 252.70): E

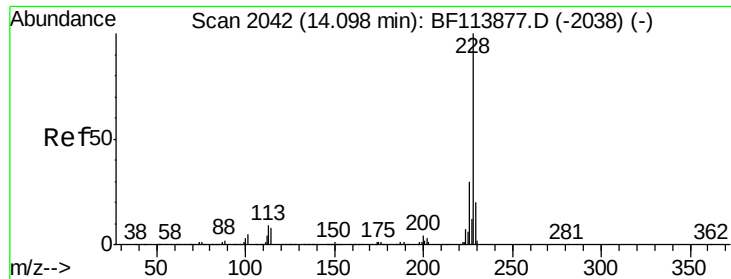
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



Time-->





#83

Chrysene

Concen: 51.254 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampled :

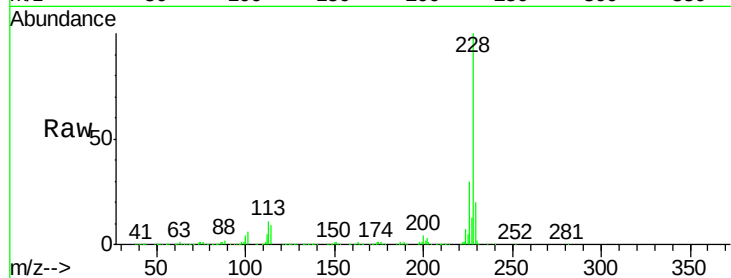
Tot Ion:228 Resp: 942122

Ion Ratio Lower Upper

228 100

226 30.0 25.2 37.8

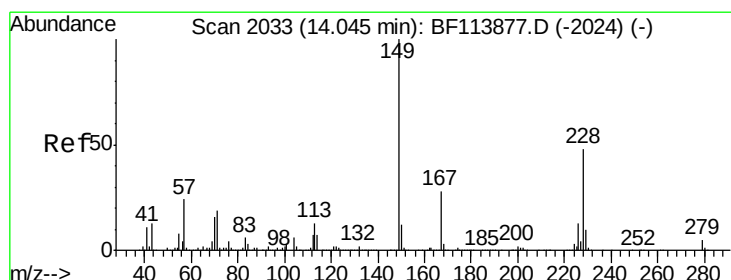
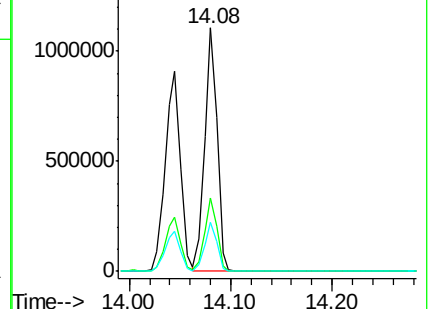
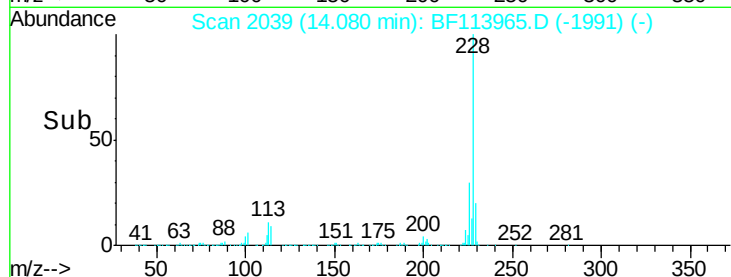
229 20.1 16.7 25.1



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: 52.317 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

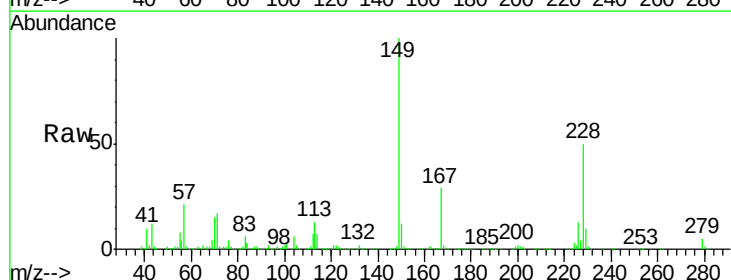
Tgt Ion:149 Resp: 586694

Ion Ratio Lower Upper

149 100

167 29.1 22.9 34.3

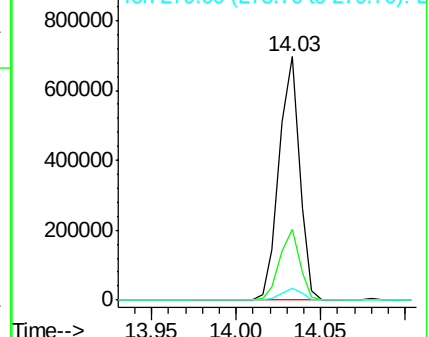
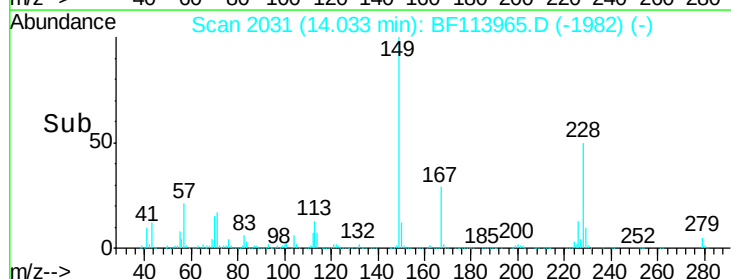
279 5.1 4.2 6.2

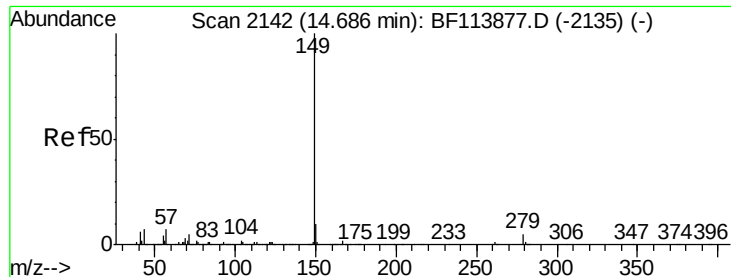


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

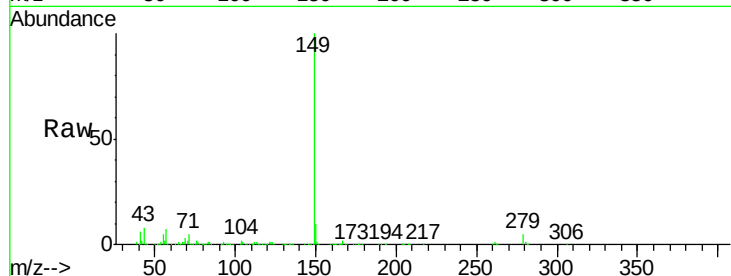




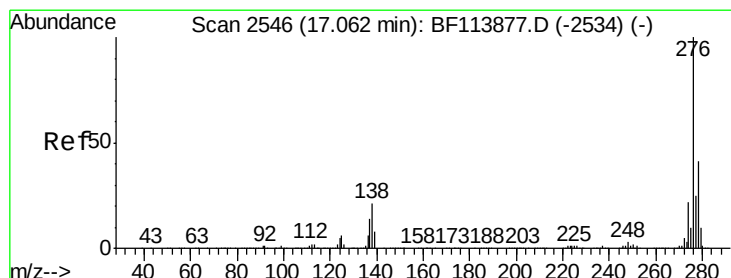
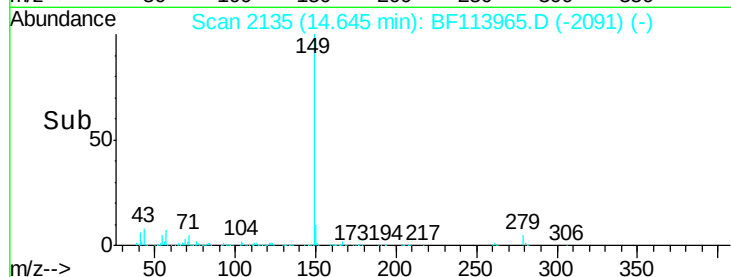
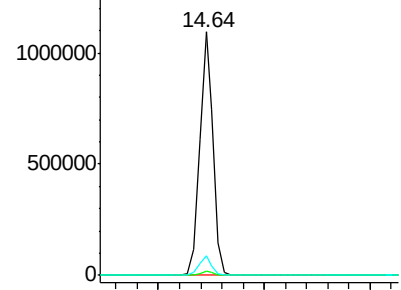
#85  
Di-n-octyl phthalate  
Concen: 55.360 ng  
RT: 14.64 min Scan# 2135  
Delta R.T. -0.04 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:149 Resp: 971731  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 7.6 6.6 10.0

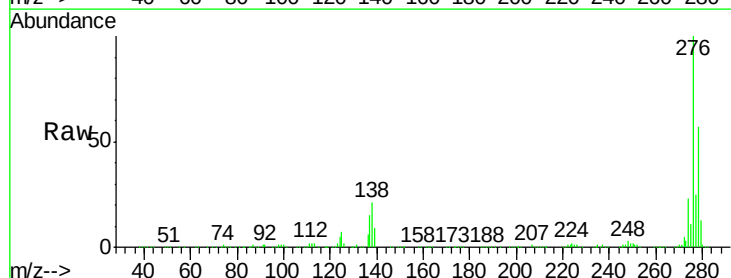


Abundance Ion 149.00 (148.70 to 149.70): E  
1500000  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

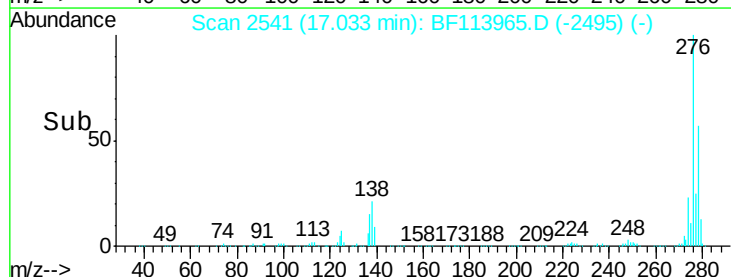
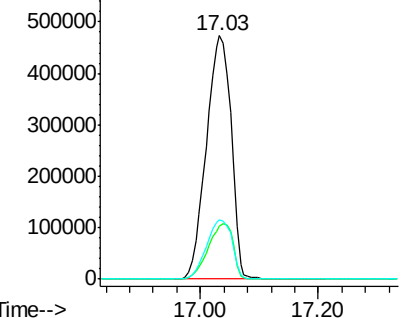


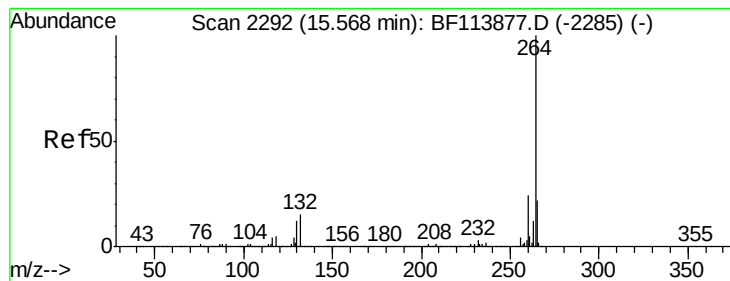
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 79.750 ng  
RT: 17.03 min Scan# 2541  
Delta R.T. -0.03 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Tgt Ion:276 Resp: 1388568  
Ion Ratio Lower Upper  
276 100  
138 22.8 19.6 29.4  
277 25.1 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E  
600000  
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: 15.53 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

Instrument :

BNA\_F

ClientSampled :

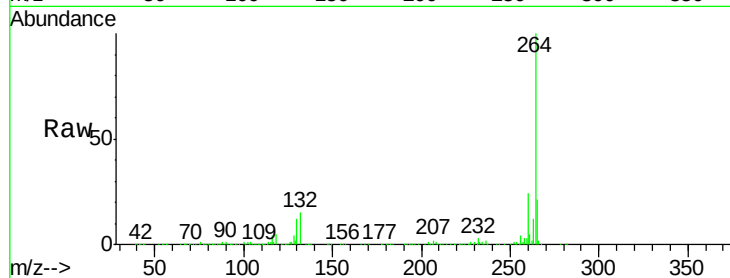
Tot Ion:264 Resp: 399336

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

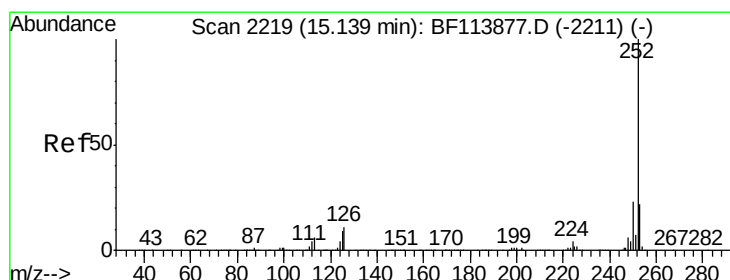
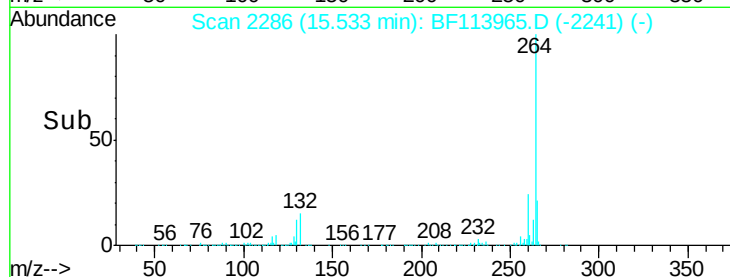
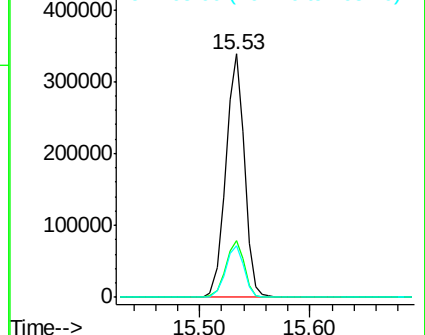
265 21.0 17.3 25.9



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: 43.530 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.04 min

Lab File: BF113965.D

Acq: 24 Apr 2019 16:55

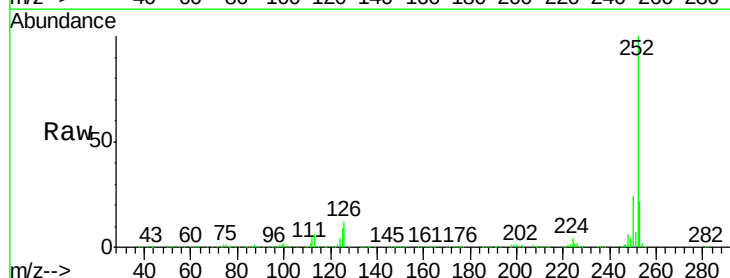
Tgt Ion:252 Resp: 1099828

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

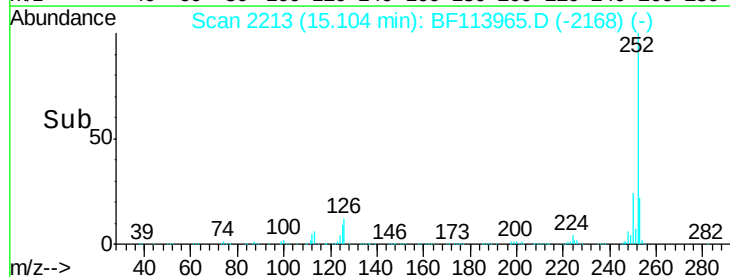
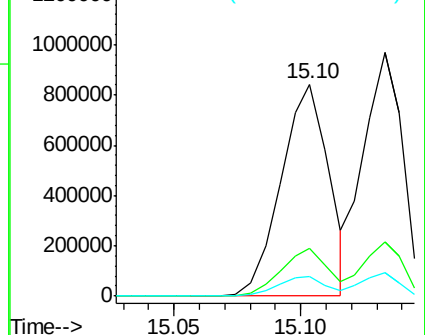
125 9.3 7.0 10.6



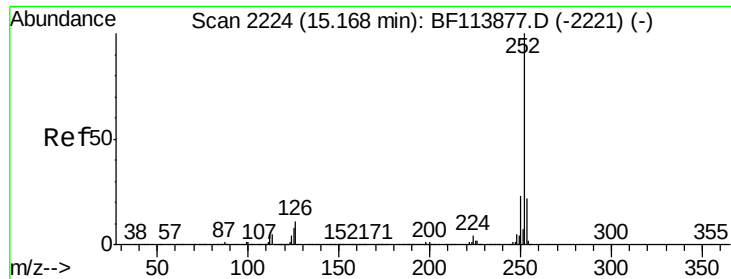
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



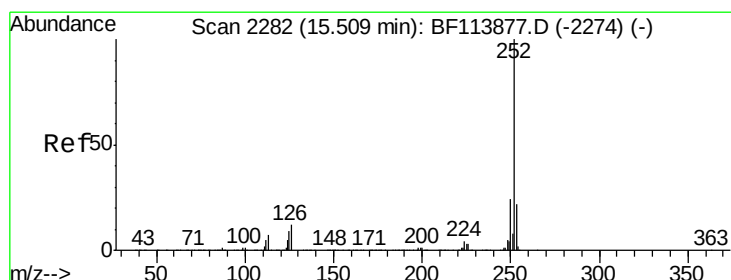
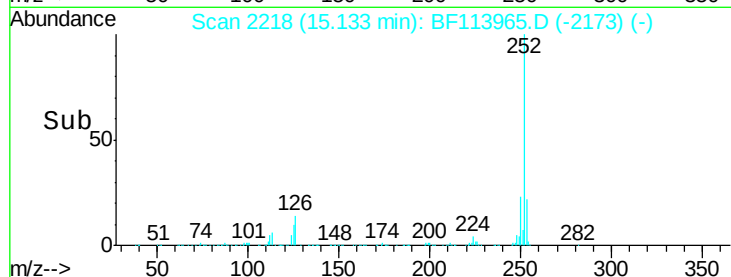
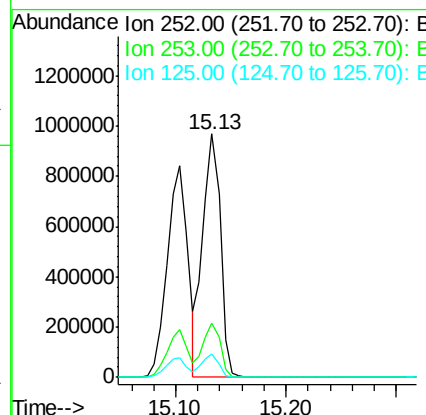
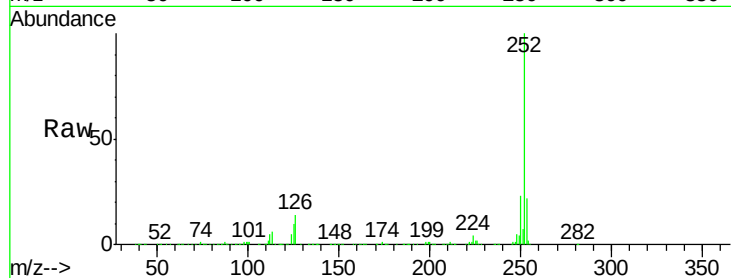




#89  
Benzo(k)fluoranthene  
Concen: 48.242 ng  
RT: 15.13 min Scan# 2218  
Delta R.T. -0.04 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

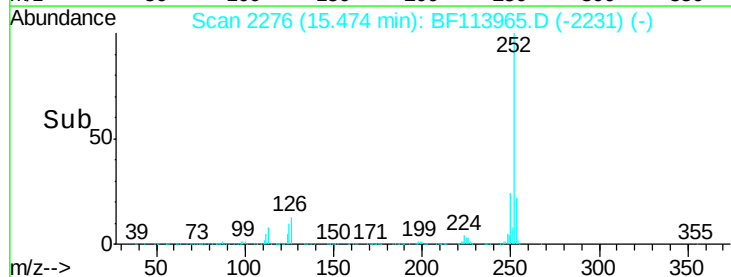
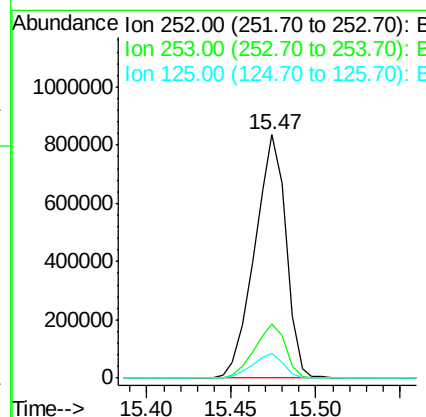
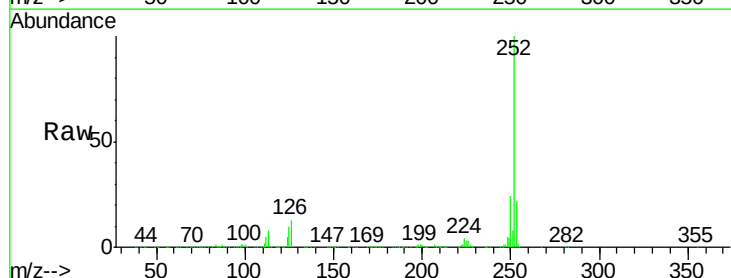
Instrument :  
BNA\_F  
ClientSampleId :

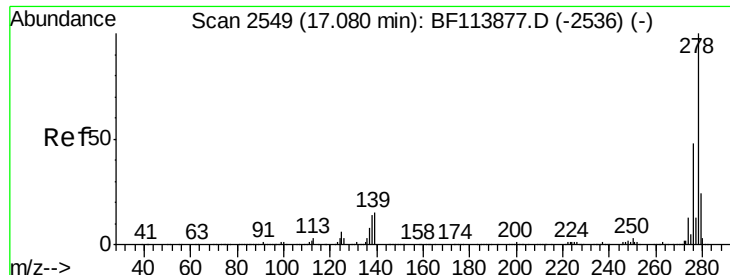
Tot Ion:252 Resp: 1048447  
Ion Ratio Lower Upper  
252 100  
253 22.3 18.2 27.2  
125 9.6 7.4 11.2



#90  
Benzo(a)pyrene  
Concen: 49.361 ng  
RT: 15.47 min Scan# 2276  
Delta R.T. -0.04 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Tgt Ion:252 Resp: 1078723  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.5 26.3  
125 10.4 8.5 12.7

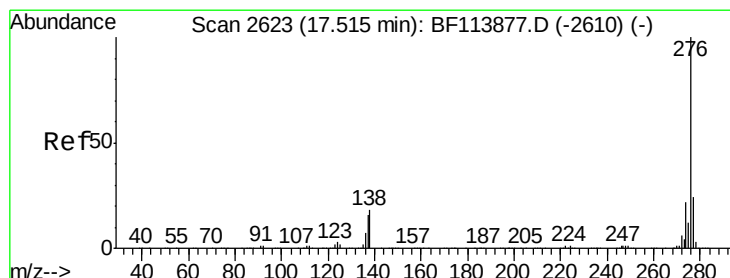
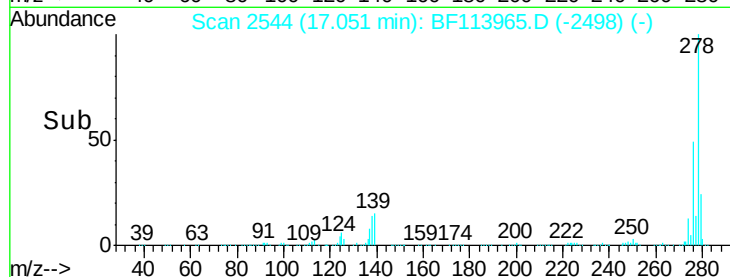
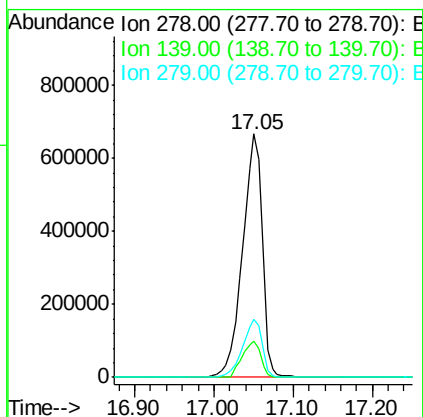
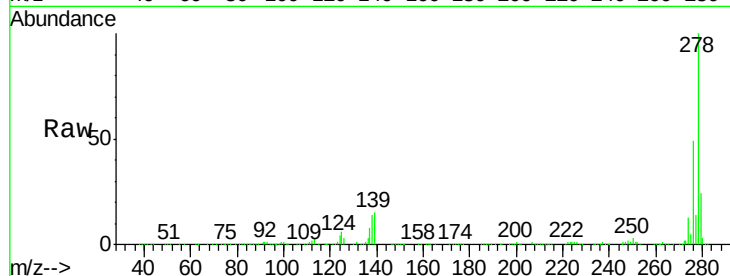




#91  
Dibenzo(a,h)anthracene  
Concen: 55.967 ng  
RT: 17.05 min Scan# 2544  
Delta R.T. -0.03 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:278 Resp: 1148125  
Ion Ratio Lower Upper  
278 100  
139 14.8 11.6 17.4  
279 24.0 19.0 28.6



#92  
Benzo(g,h,i)perylene  
Concen: 56.801 ng  
RT: 17.49 min Scan# 2618  
Delta R.T. -0.03 min  
Lab File: BF113965.D  
Acq: 24 Apr 2019 16:55

Tgt Ion:276 Resp: 1175914  
Ion Ratio Lower Upper  
276 100  
277 23.5 19.0 28.4  
138 19.4 16.6 25.0

