

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121618\  
 Data File : BF111510.D  
 Acq On : 16 Dec 2018 16:00  
 Operator : JU/SJ  
 Sample : J6386-13MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

Quant Time: Dec 17 06:40:50 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 14 13:26:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 180204   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 1024253  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.83  | 164  | 450541   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.31 | 188  | 629637   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.95 | 240  | 372205   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.39 | 264  | 382091   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.42  | 112 | 1313587 | 121.30 | ng | 0.00 |
| 7) Phenol-d6             | 6.44  | 99  | 1858900 | 129.05 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.35  | 82  | 1242145 | 72.22  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.62 | 330 | 378878  | 93.88  | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.15  | 172 | 2446145 | 83.86  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.90 | 244 | 1421403 | 89.68  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.53 | 88  | 175851  | 33.622 | ng | 98     |
| 3) Pyridine                    | 3.27 | 79  | 373778  | 28.455 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.20 | 42  | 273877  | 45.901 | ng | 91     |
| 6) Aniline                     | 6.45 | 93  | 186375  | 10.431 | ng | # 1    |
| 8) 2-Chlorophenol              | 6.58 | 128 | 594884  | 45.975 | ng | 97     |
| 9) Benzaldehyde                | 6.33 | 77  | 187444  | 21.454 | ng | 95     |
| 10) Phenol                     | 6.45 | 94  | 762628  | 47.526 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93  | 567320  | 45.100 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.73 | 146 | 522646  | 36.694 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.80 | 146 | 537616  | 37.187 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146 | 512494  | 37.681 | ng | 98     |
| 15) Benzyl Alcohol             | 6.93 | 79  | 430535  | 39.281 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45  | 1052555 | 42.855 | ng | 96     |
| 17) 2-Methylphenol             | 7.06 | 107 | 459685  | 44.144 | ng | # 94   |
| 18) Hexachloroethane           | 7.30 | 117 | 219549  | 40.806 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70  | 394969  | 41.561 | ng | 94     |
| 20) 3+4-Methylphenols          | 7.20 | 107 | 588340  | 45.041 | ng | # 87   |
| 22) Acetophenone               | 7.20 | 105 | 796695  | 34.844 | ng | # 90   |
| 24) Nitrobenzene               | 7.37 | 77  | 614895  | 35.044 | ng | 97     |
| 25) Isophorone                 | 7.61 | 82  | 1222648 | 42.011 | ng | 99     |
| 26) 2-Nitrophenol              | 7.69 | 139 | 360083  | 39.572 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.73 | 122 | 623626  | 47.274 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93  | 883239  | 43.961 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.93 | 162 | 593073  | 42.115 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180 | 597238  | 40.513 | ng | 98     |
| 31) Naphthalene                | 8.09 | 128 | 2024467 | 42.259 | ng | 97     |
| 32) Benzoic acid               | 7.83 | 122 | 155823  | 13.669 | ng | 97     |
| 33) 4-Chloroaniline            | 8.14 | 127 | 158620  | 7.446  | ng | 98     |
| 34) Hexachlorobutadiene        | 8.22 | 225 | 306249  | 37.707 | ng | 98     |
| 35) Caprolactam                | 8.51 | 113 | 156482  | 29.929 | ng | 91     |
| 36) 4-Chloro-3-methylphenol    | 8.63 | 107 | 606275  | 39.113 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.79 | 142 | 1362297 | 42.024 | ng | 99     |
| 38) 1-Methylnaphthalene        | 8.89 | 142 | 1281063 | 40.905 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 510876  | 41.347 | ng | 99     |

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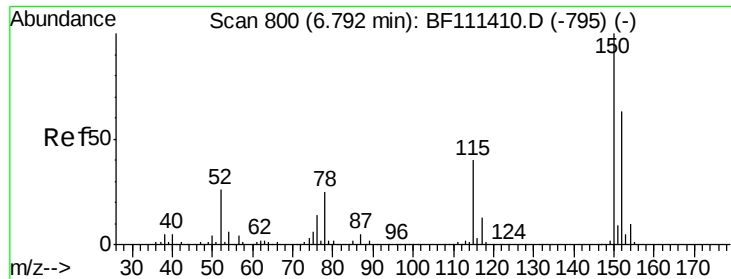
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

Quant Time: Dec 17 06:40:50 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 14 13:26:17 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.95  | 237  | 335181   | 52.838 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 9.07  | 196  | 359125   | 41.067 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.12  | 196  | 366490   | 39.384 | ng    | 93       |
| 46) 1,1'-Biphenyl              | 9.25  | 154  | 1515425  | 39.697 | ng    | 96       |
| 47) 2-Chloronaphthalene        | 9.27  | 162  | 1193274  | 41.123 | ng    | 97       |
| 48) 2-Nitroaniline             | 9.37  | 65   | 382040   | 40.549 | ng    | 91       |
| 49) Acenaphthylene             | 9.69  | 152  | 1856002  | 43.090 | ng    | 96       |
| 50) Dimethylphthalate          | 9.55  | 163  | 1543918  | 47.583 | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 9.61  | 165  | 299784   | 41.046 | ng    | 95       |
| 52) Acenaphthene               | 9.86  | 154  | 1064540  | 39.103 | ng    | 98       |
| 53) 3-Nitroaniline             | 9.77  | 138  | 189086   | 21.315 | ng    | 92       |
| 54) 2,4-Dinitrophenol          | 9.88  | 184  | 26048    | 9.374  | ng    | 95       |
| 55) Dibenzofuran               | 10.03 | 168  | 1577676  | 39.925 | ng    | 95       |
| 56) 4-Nitrophenol              | 9.95  | 139  | 389041   | 63.370 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 10.01 | 165  | 360831   | 37.641 | ng    | 97       |
| 58) Fluorene                   | 10.37 | 166  | 1171114  | 40.859 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.15 | 232  | 250932   | 34.513 | ng    | 96       |
| 60) Diethylphthalate           | 10.25 | 149  | 1308878  | 39.823 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204  | 533668   | 38.056 | ng    | 96       |
| 62) 4-Nitroaniline             | 10.39 | 138  | 251519   | 28.641 | ng    | 93       |
| 63) Azobenzene                 | 10.53 | 77   | 1217580  | 37.577 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylphenol | 10.42 | 198  | 28811    | 8.105  | ng    | 82       |
| 66) n-Nitrosodiphenylamine     | 10.49 | 169  | 1037076  | 47.763 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether  | 10.86 | 248  | 312189   | 46.003 | ng    | 95       |
| 68) Hexachlorobenzene          | 10.93 | 284  | 299060   | 42.841 | ng    | 98       |
| 69) Atrazine                   | 11.02 | 200  | 277883   | 44.284 | ng    | 98       |
| 70) Pentachlorophenol          | 11.12 | 266  | 263870   | 61.629 | ng    | 95       |
| 71) Phenanthrene               | 11.33 | 178  | 1548182  | 47.719 | ng    | 95       |
| 72) Anthracene                 | 11.39 | 178  | 1421012  | 42.827 | ng    | 96       |
| 73) Carbazole                  | 11.54 | 167  | 1268215  | 36.962 | ng    | 96       |
| 74) Di-n-butylphthalate        | 11.87 | 149  | 1344545  | 35.186 | ng    | 96       |
| 75) Fluoranthene               | 12.52 | 202  | 1303649  | 41.073 | ng    | 98       |
| 78) Pyrene                     | 12.75 | 202  | 1376977  | 52.473 | ng    | 96       |
| 80) Butylbenzylphthalate       | 13.37 | 149  | 493484   | 38.581 | ng    | 95       |
| 81) Benzo(a)anthracene         | 13.94 | 228  | 906897   | 44.811 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.90 | 252  | 28082    | 3.413  | ng    | # 97     |
| 83) Chrysene                   | 13.97 | 228  | 886567   | 41.584 | ng    | 96       |
| 84) Bis(2-ethylhexyl)phthalate | 13.93 | 149  | 681251   | 41.699 | ng    | 98       |
| 85) Di-n-octyl phthalate       | 14.54 | 149  | 1120953  | 40.677 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.80 | 276  | 752410   | 48.899 | ng    | 96       |
| 88) Benzo(b)fluoranthene       | 14.97 | 252  | 769361   | 34.537 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.00 | 252  | 719321   | 33.794 | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.33 | 252  | 839754   | 41.804 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.82 | 278  | 632718   | 39.929 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.23 | 276  | 626910   | 40.305 | ng    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

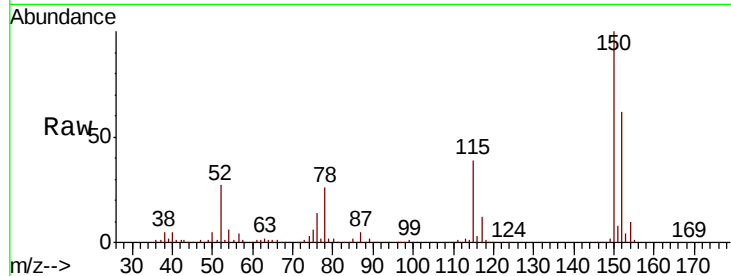
Tgt Ion:152 Resp: 180204

Ion Ratio Lower Upper

152 100

150 161.2 126.6 189.8

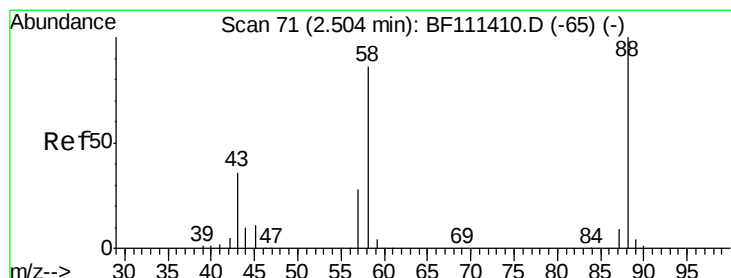
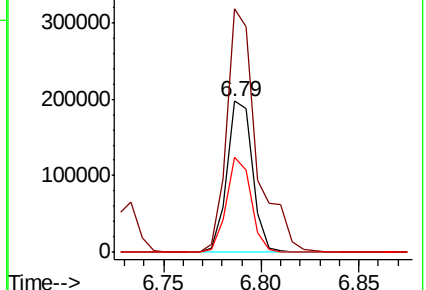
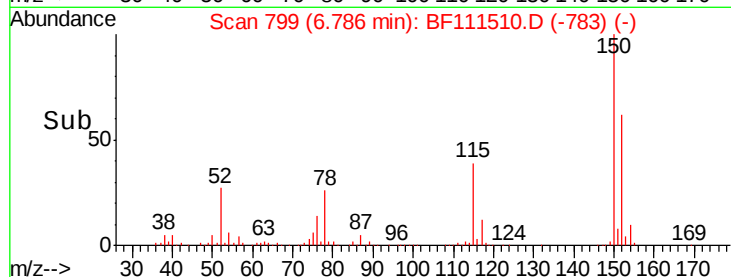
115 63.1 50.7 76.1



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: 33.622 ng

RT: 2.53 min Scan# 75

Delta R.T. 0.02 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

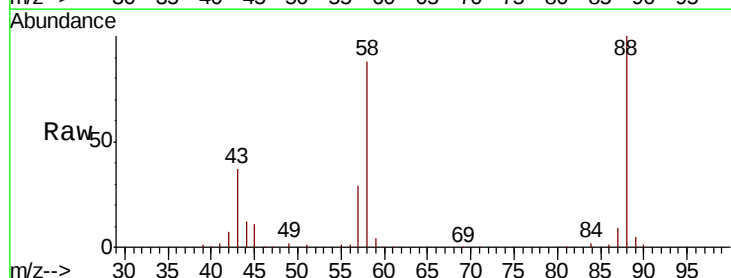
Tgt Ion: 88 Resp: 175851

Ion Ratio Lower Upper

88 100

58 87.3 68.9 103.3

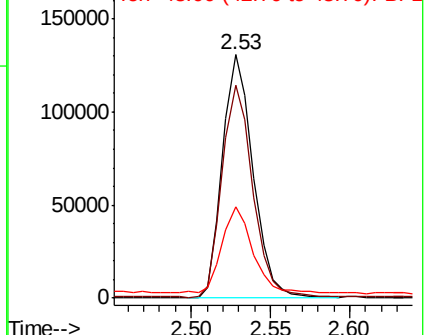
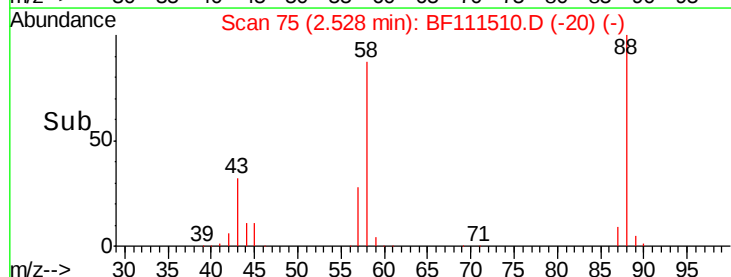
43 35.2 25.8 38.6

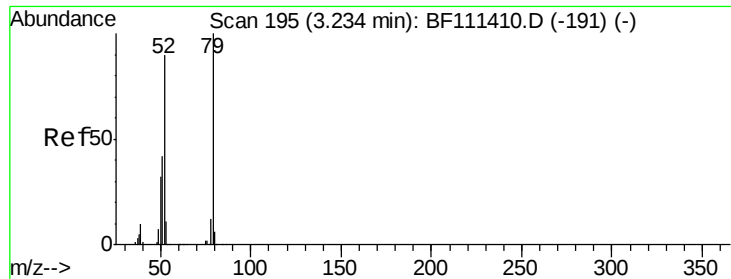


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 28.455 ng

RT: 3.27 min Scan# 201

Delta R.T. 0.04 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

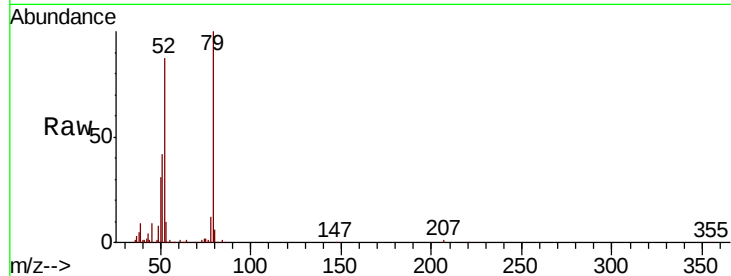
Tgt Ion: 79 Resp: 373778

Ion Ratio Lower Upper

79 100

52 86.9 68.3 102.5

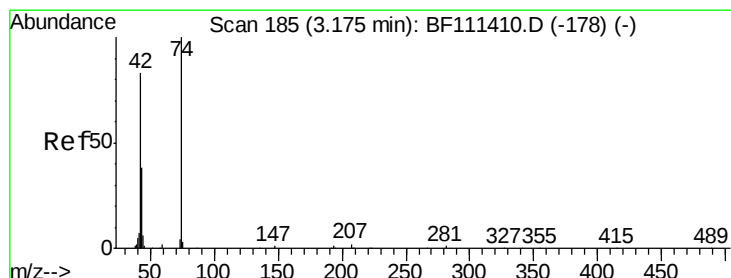
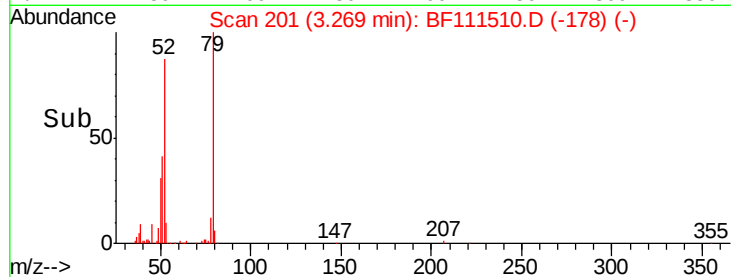
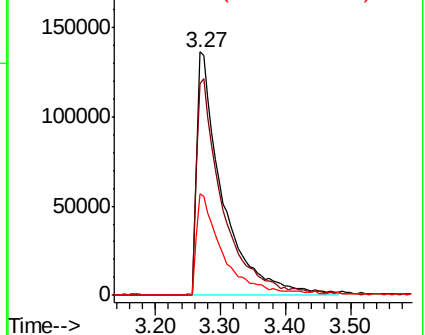
51 41.8 32.6 49.0



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: 45.901 ng

RT: 3.20 min Scan# 189

Delta R.T. 0.02 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

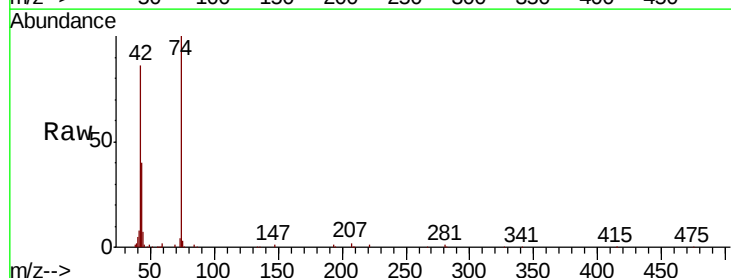
Tgt Ion: 42 Resp: 273877

Ion Ratio Lower Upper

42 100

74 115.9 101.5 152.3

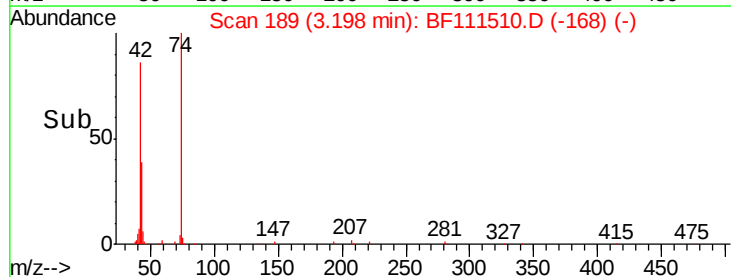
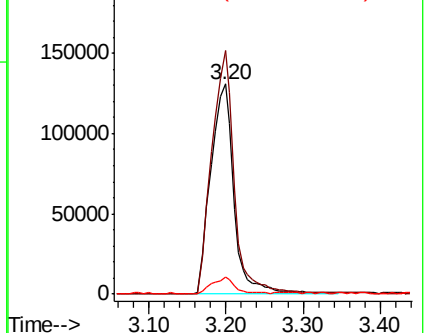
44 7.8 6.0 9.0

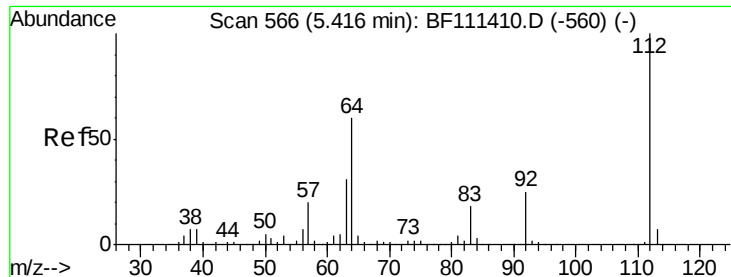


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 121.301 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

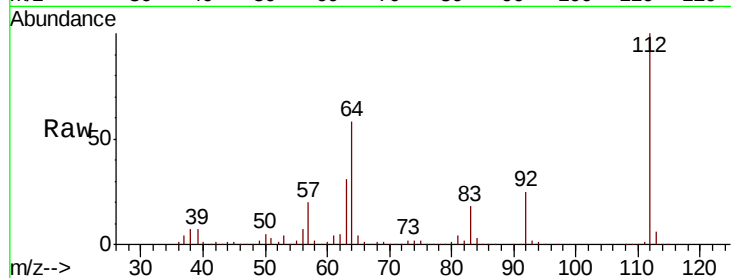
Tgt Ion: 112 Resp: 1313587

Ion Ratio Lower Upper

112 100

64 57.9 51.8 77.6

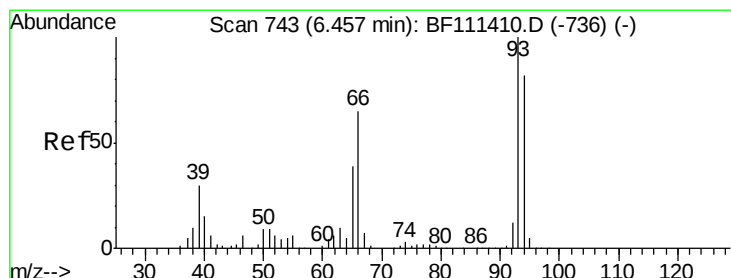
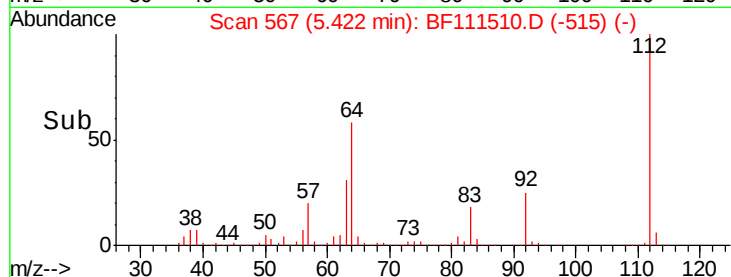
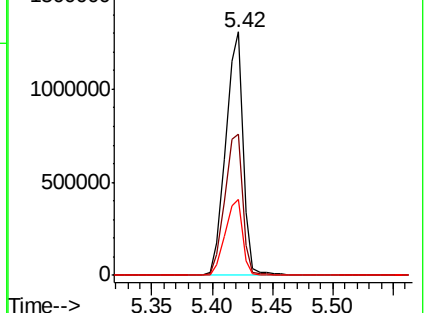
63 30.9 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 10.431 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

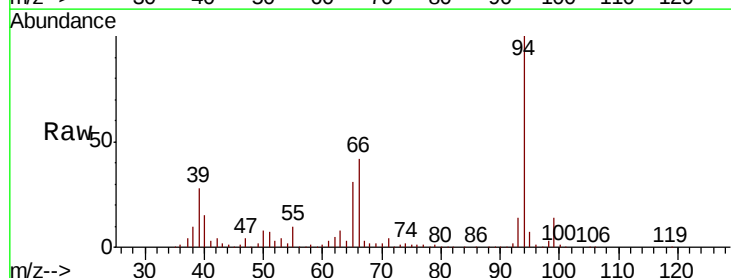
Tgt Ion: 93 Resp: 186375

Ion Ratio Lower Upper

93 100

66 299.9 33.2 49.8#

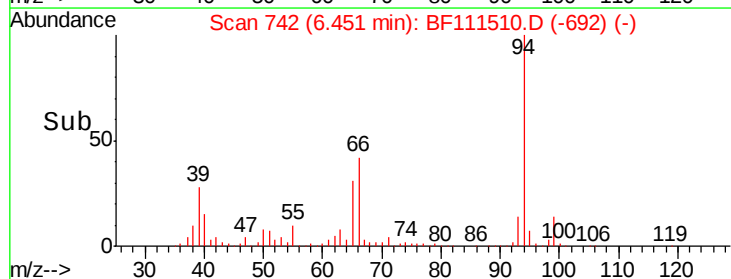
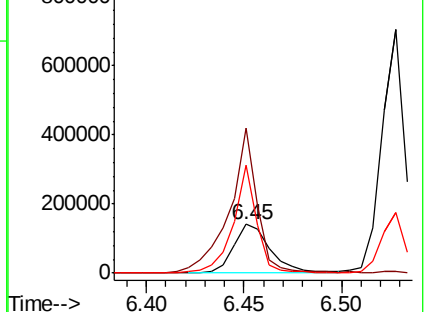
65 221.7 17.0 25.4#

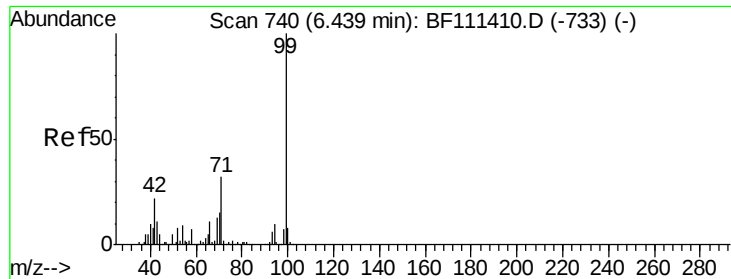


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 129.048 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

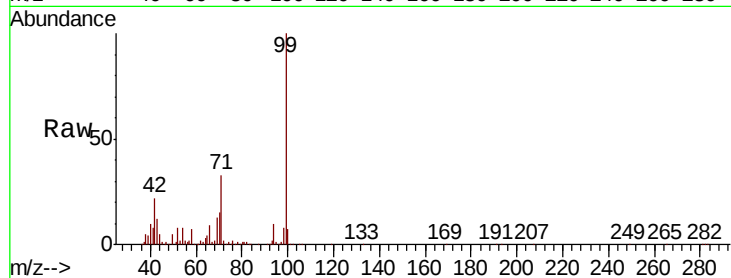
Tgt Ion: 99 Resp: 1858900

Ion Ratio Lower Upper

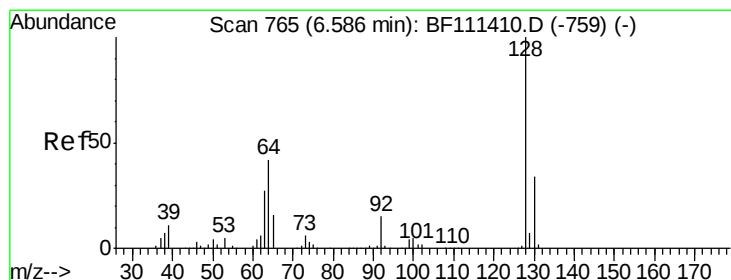
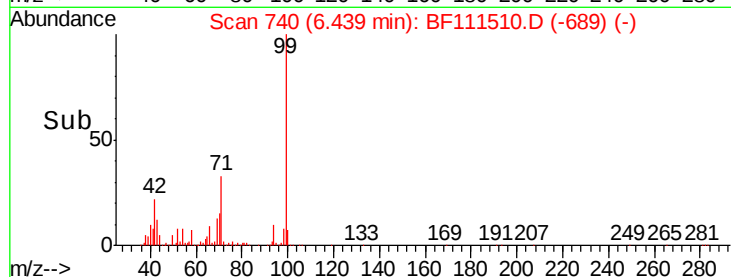
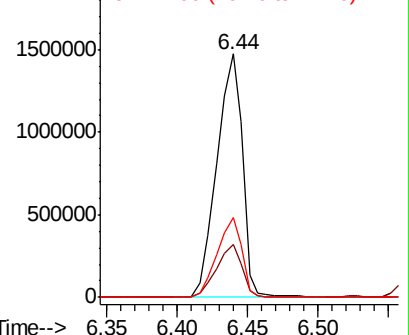
99 100

42 21.9 17.4 26.0

71 32.8 26.1 39.1



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: 45.975 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

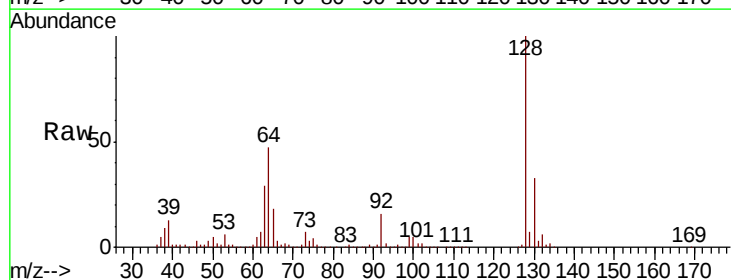
Tgt Ion: 128 Resp: 594884

Ion Ratio Lower Upper

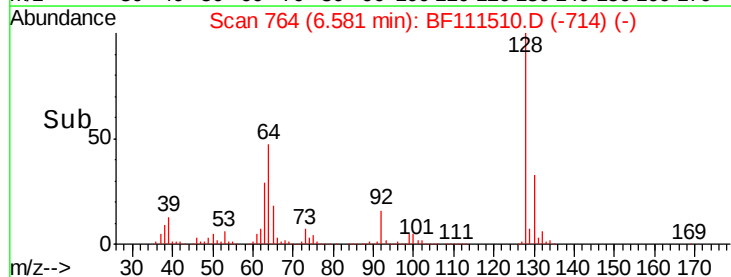
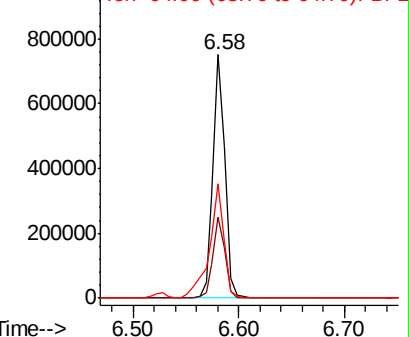
128 100

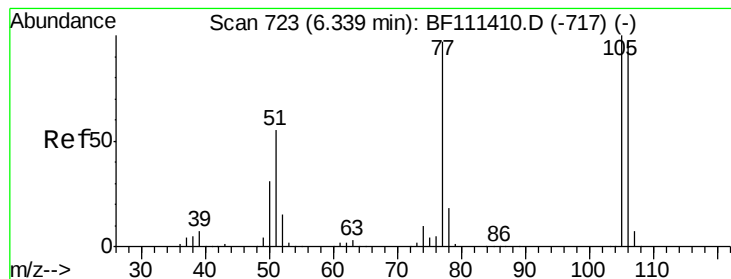
130 33.3 12.7 52.7

64 47.0 30.0 70.0



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: 21.454 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

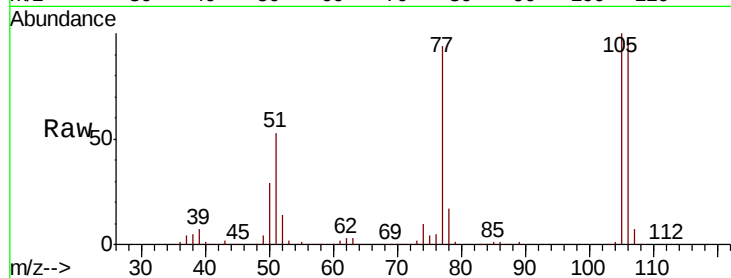
Tgt Ion: 77 Resp: 187444

Ion Ratio Lower Upper

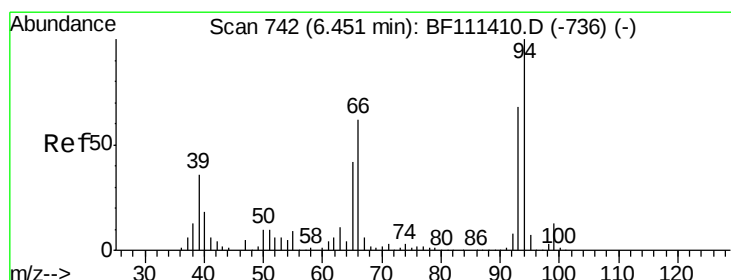
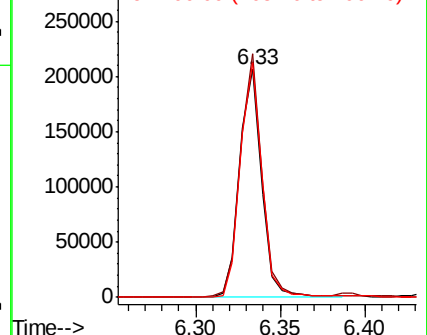
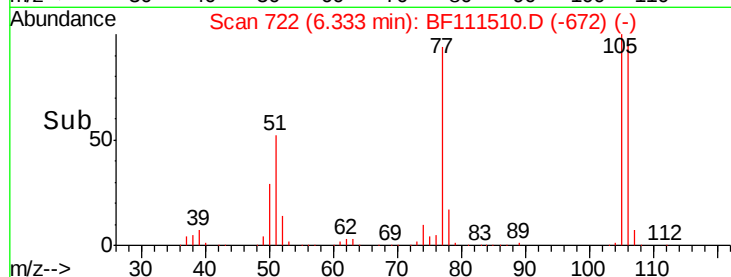
77 100

105 106.8 81.4 121.4

106 103.2 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 47.526 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

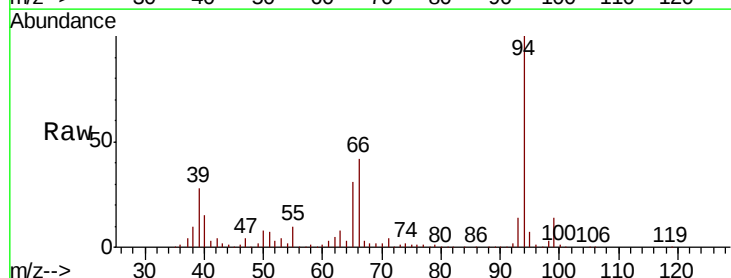
Tgt Ion: 94 Resp: 762628

Ion Ratio Lower Upper

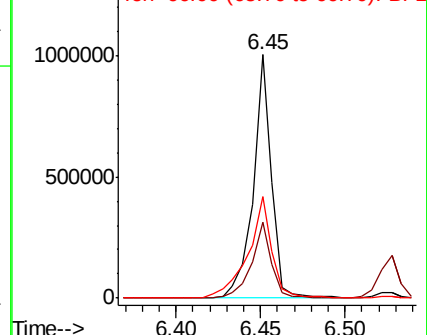
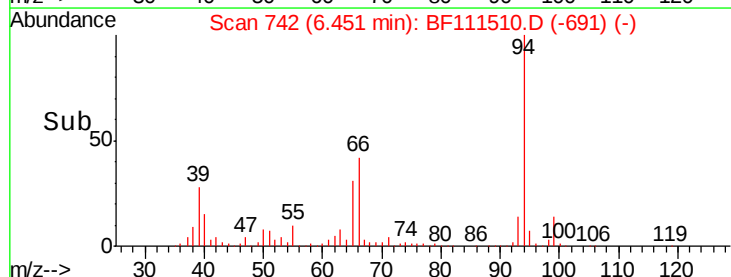
94 100

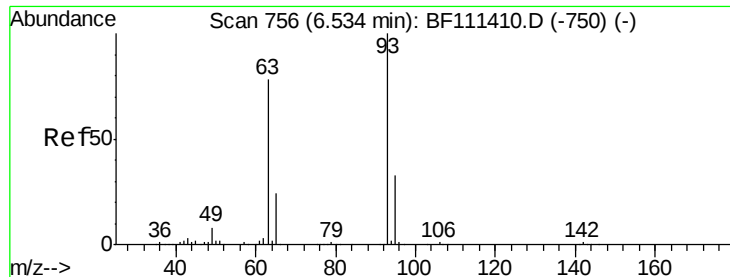
65 31.0 11.7 51.7

66 41.9 21.0 61.0



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

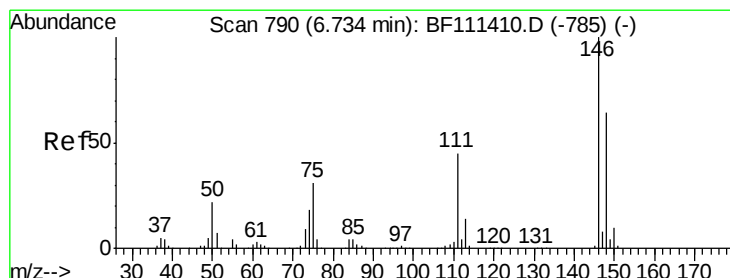
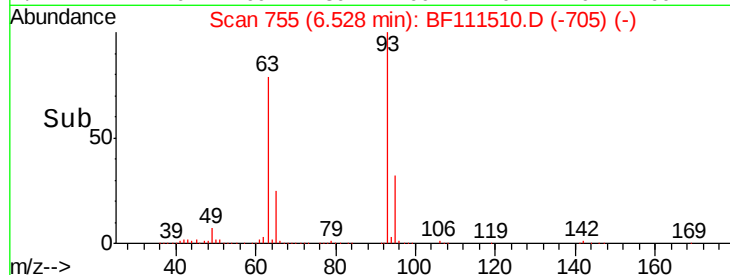
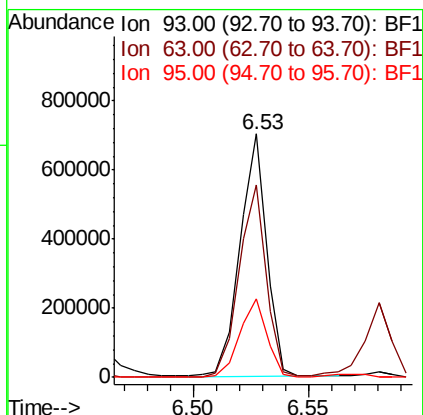
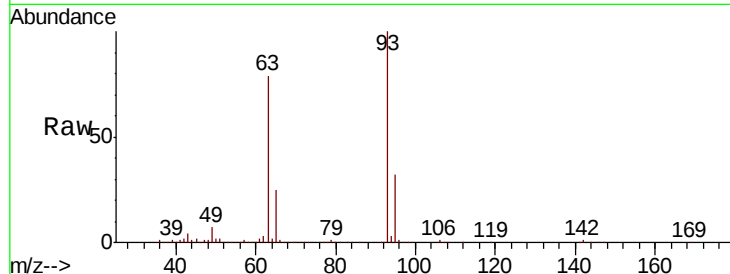




#11  
 bis(2-Chloroethyl)ether  
 Concen: 45.100 ng  
 RT: 6.53 min Scan# 755  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

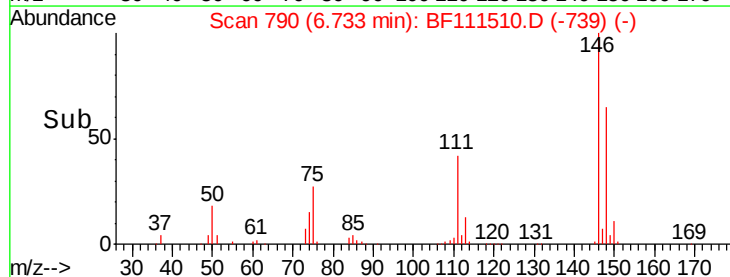
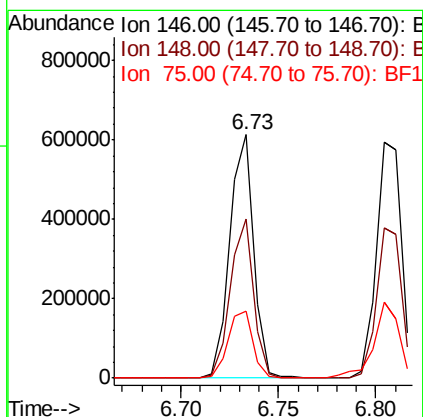
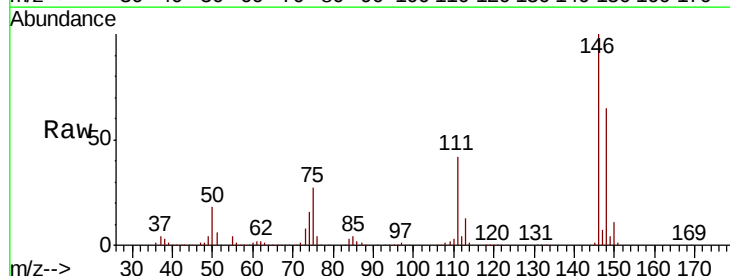
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

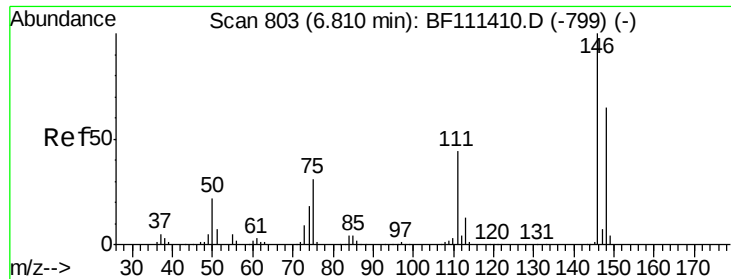
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 79.2  | 60.0  | 100.0 |
| 95      | 32.3  | 13.4  | 53.4  |



#12  
 1,3-Dichlorobenzene  
 Concen: 36.694 ng  
 RT: 6.73 min Scan# 790  
 Delta R.T. -0.00 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.2  | 52.1  | 78.1  |
| 75      | 27.3  | 23.9  | 35.9  |

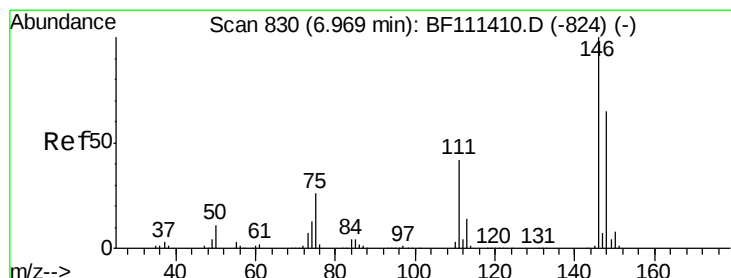
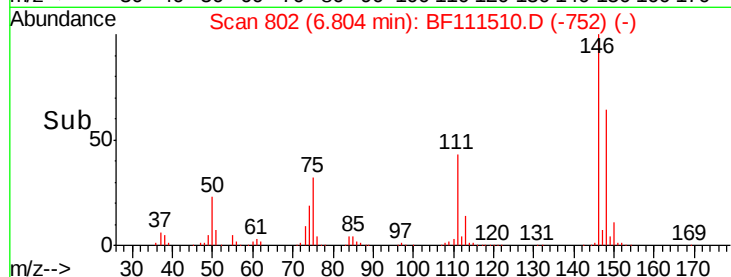
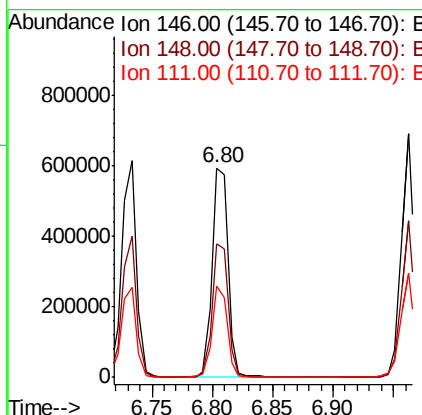
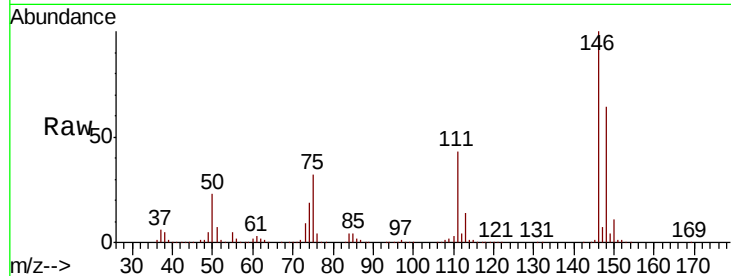




#13  
1,4-Dichlorobenzene  
Concen: 37.187 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

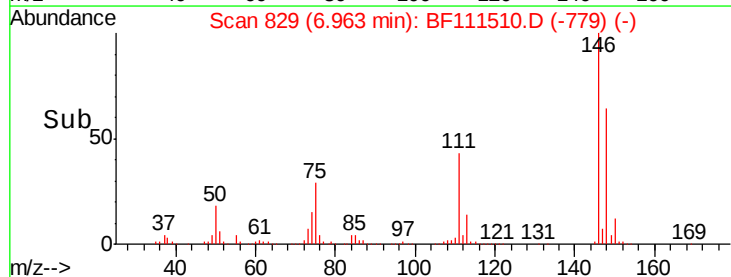
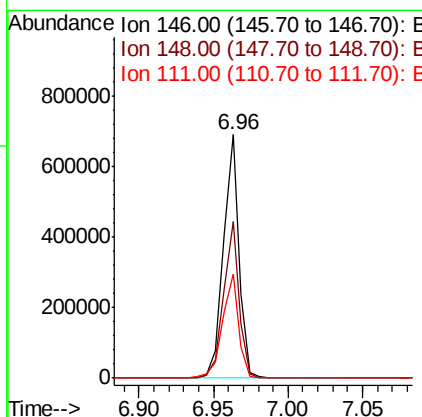
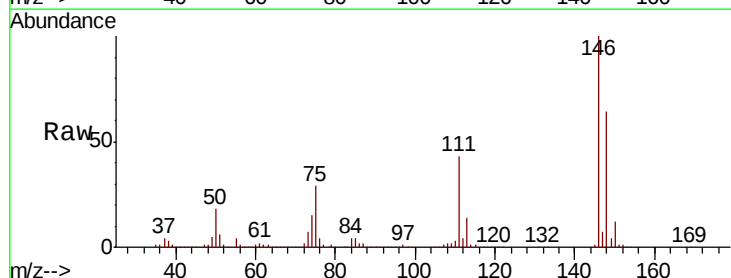
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS006-1824-01MS

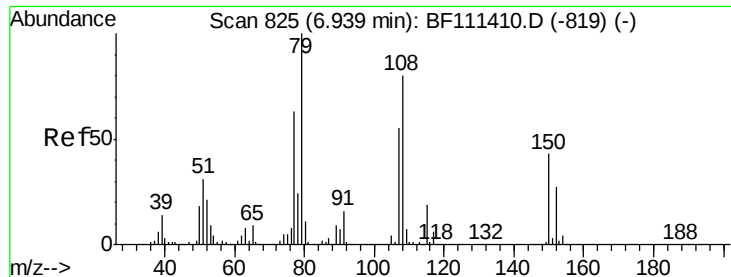
Tgt Ion:146 Resp: 537616  
Ion Ratio Lower Upper  
146 100  
148 63.7 52.8 79.2  
111 43.5 33.4 50.0



#14  
1,2-Dichlorobenzene  
Concen: 37.681 ng  
RT: 6.96 min Scan# 829  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Tgt Ion:146 Resp: 512494  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.9 77.9  
111 43.0 36.2 54.4





#15

Benzyl Alcohol

Concen: 39.281 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

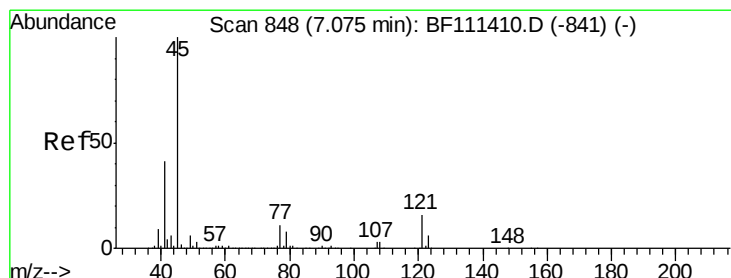
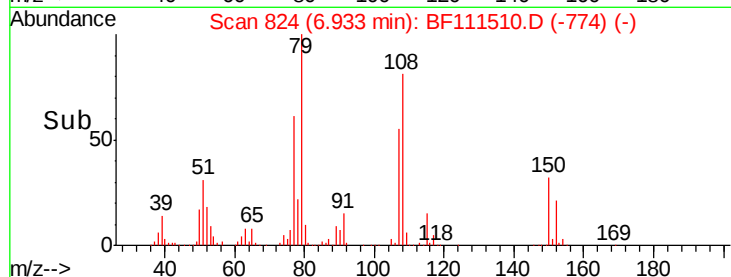
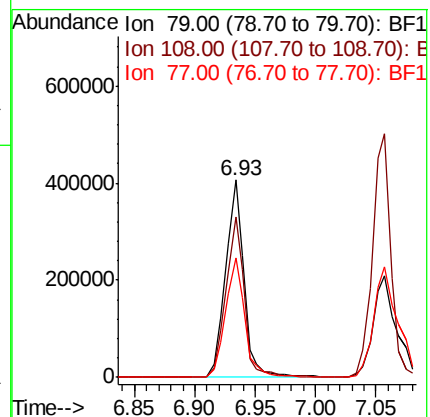
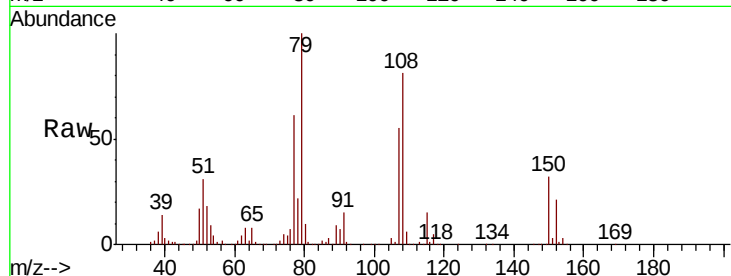
Tgt Ion: 79 Resp: 430535

Ion Ratio Lower Upper

79 100

108 81.0 69.4 104.2

77 60.7 49.7 74.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.855 ng

RT: 7.07 min Scan# 847

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

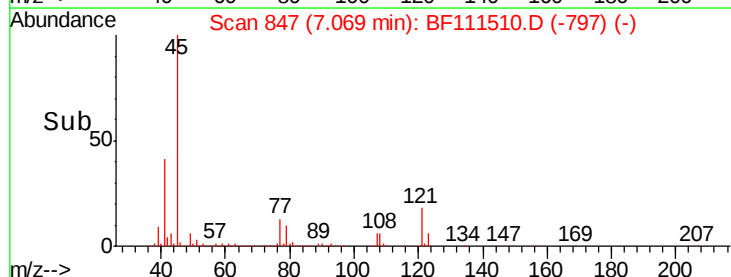
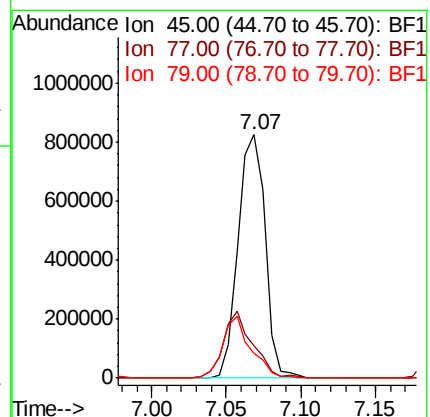
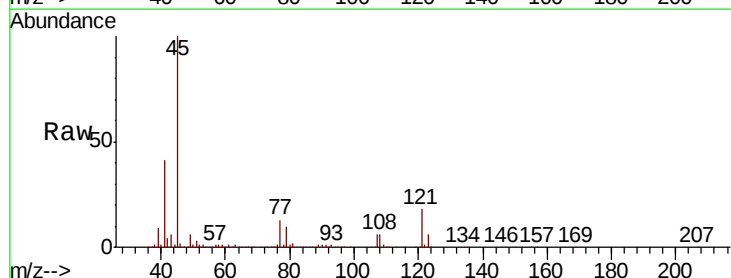
Tgt Ion: 45 Resp: 1052555

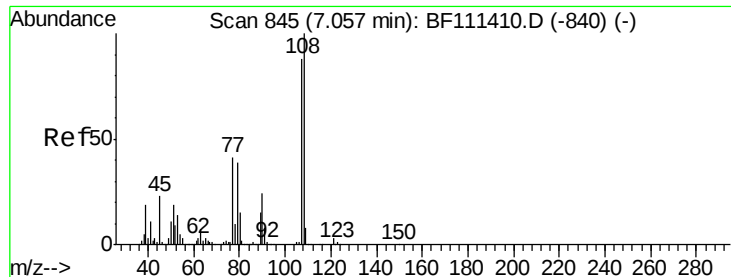
Ion Ratio Lower Upper

45 100

77 13.1 0.0 31.5

79 10.3 0.0 28.9

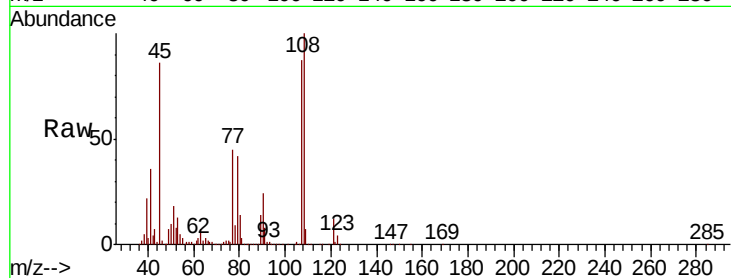




#17  
2-Methylphenol  
Concen: 44.144 ng  
RT: 7.06 min Scan# 845  
Delta R.T. -0.00 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS006-1824-01MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 459685 |       |       |
| 108     | 114.9 | 91.0   | 136.4 |       |
| 77      | 51.9  | 33.5   | 50.3  |       |
| 79      | 48.0  | 33.3   | 49.9  |       |



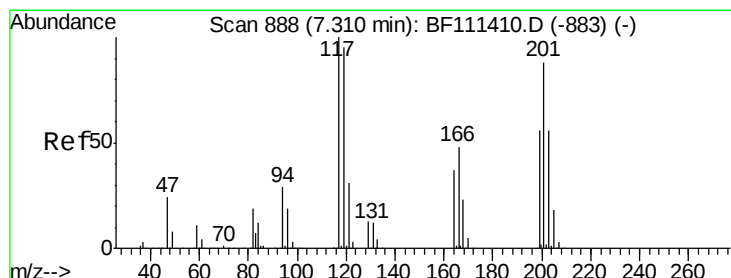
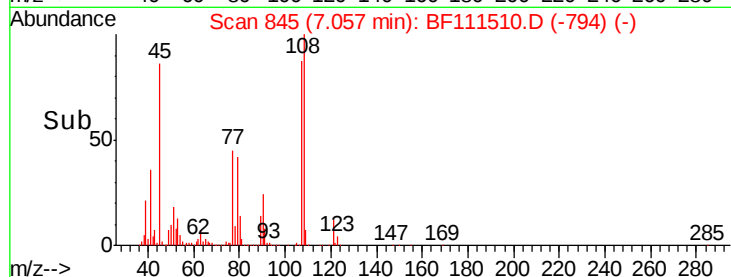
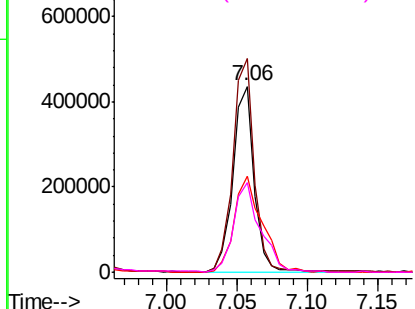
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

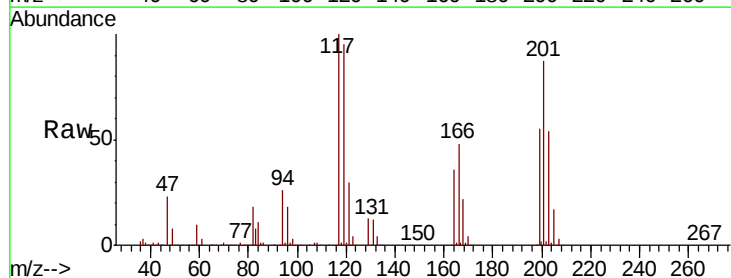
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 40.806 ng  
RT: 7.30 min Scan# 887  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 219549 |       |       |
| 119     | 94.7  | 75.4   | 113.0 |       |
| 201     | 86.8  | 62.4   | 93.6  |       |

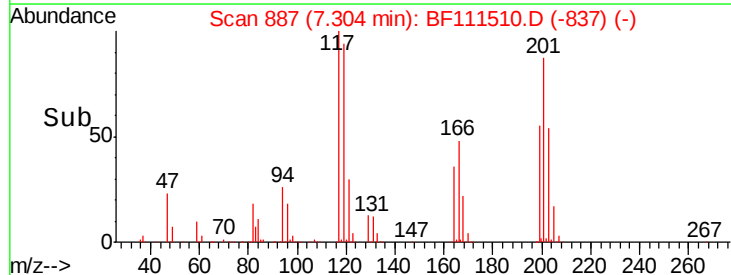
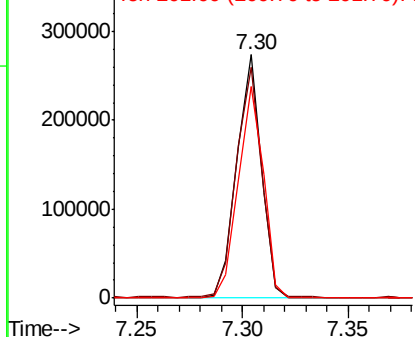


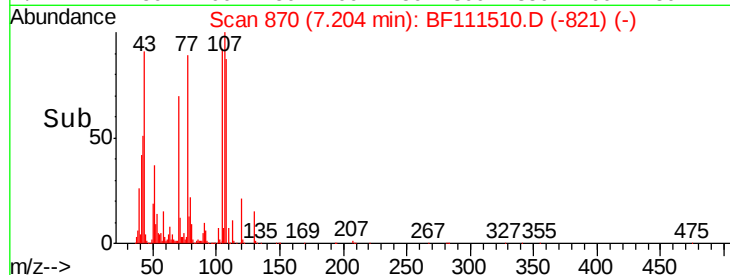
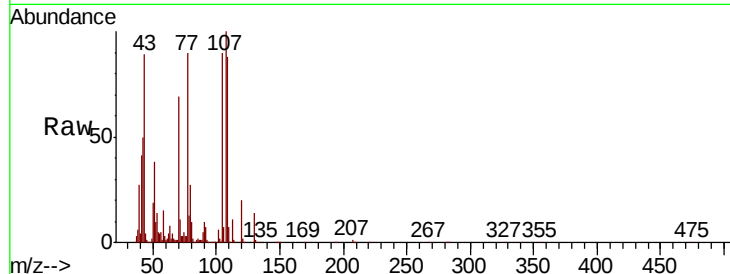
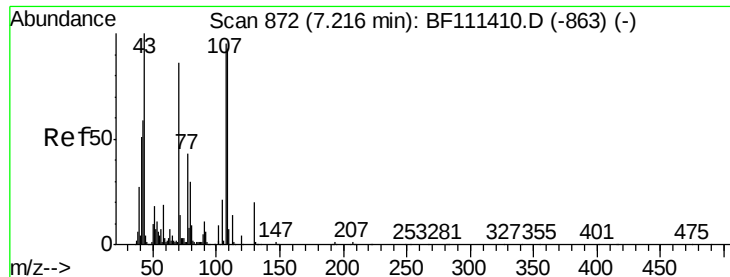
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

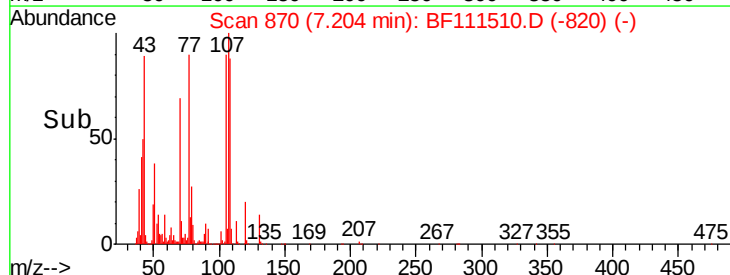
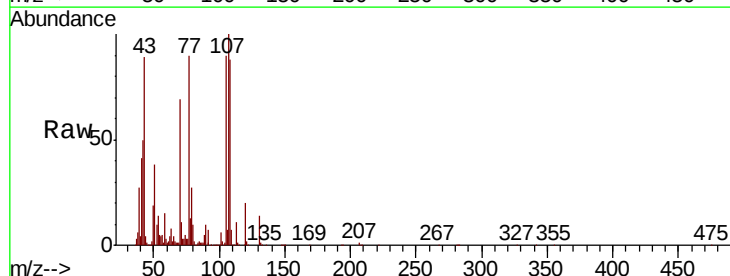
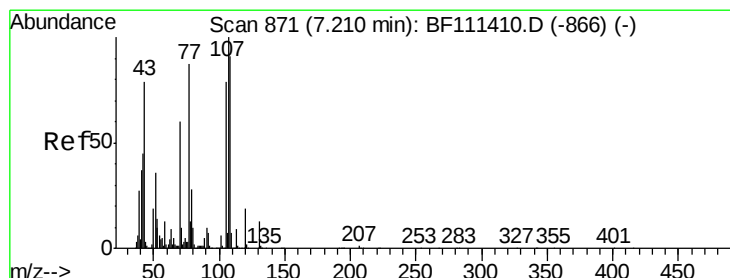
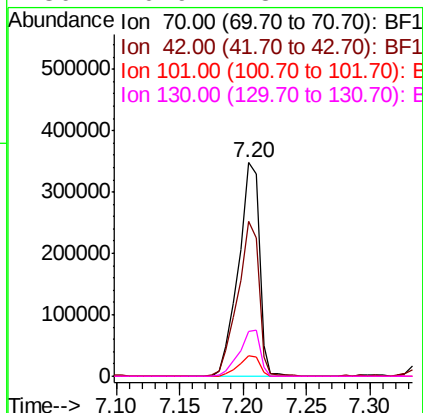




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.561 ng  
RT: 7.20 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

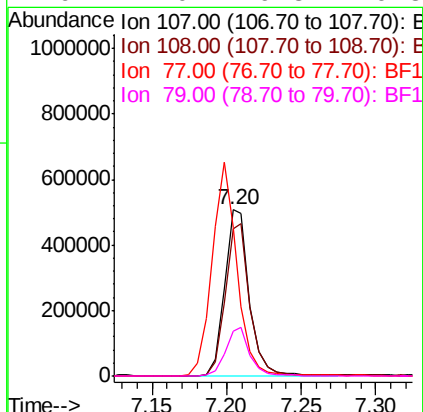
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS006-1824-01MS

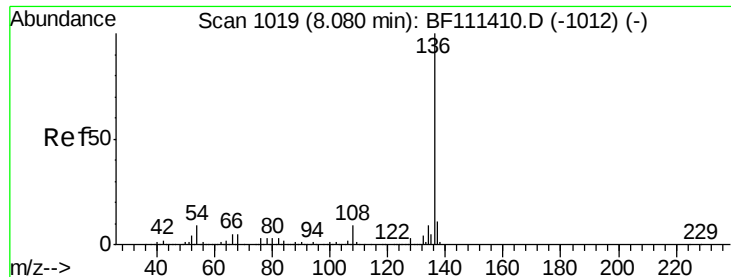
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 394969 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 72.6  | 53.2  | 79.8   |
| 101      | 9.5   | 8.2   | 12.4   |
| 130      | 20.9  | 18.1  | 27.1   |



#20  
3+4-Methylphenols  
Concen: 45.041 ng  
RT: 7.20 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 588340 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.3  | 72.1  | 112.1  |
| 77       | 89.7  | 94.1  | 134.1# |
| 79       | 27.0  | 9.8   | 49.8   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

Tgt Ion:136 Resp: 1024253

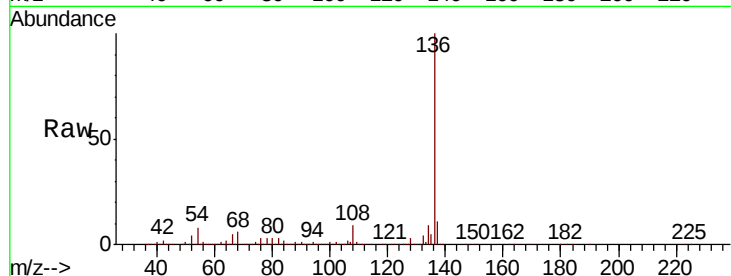
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 8.3 7.7 11.5

68 5.5 4.9 7.3

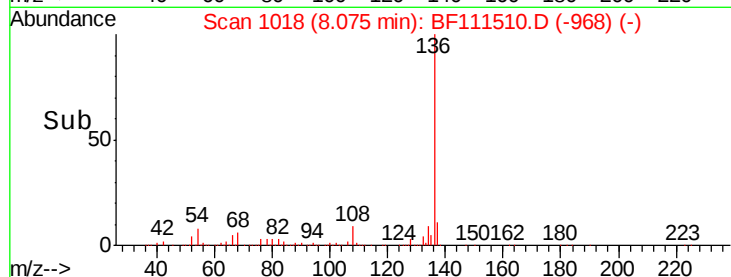


Abundance Ion 136.00 (135.70 to 136.70): E

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



Abundance

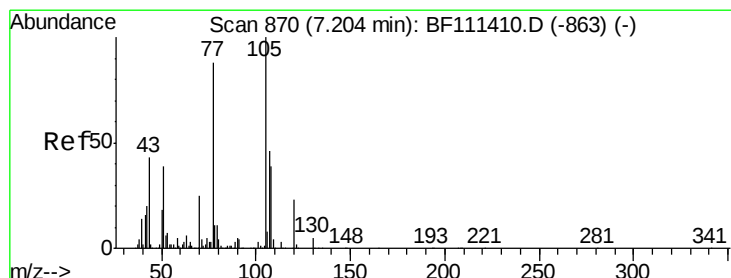
1500000

1000000

500000

0

Time-->



#22

Acetophenone

Concen: 34.844 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Tgt Ion:105 Resp: 796695

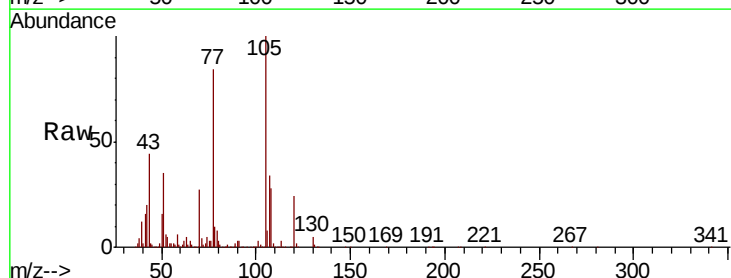
Ion Ratio Lower Upper

105 100

71 4.4 3.1 4.7

51 35.4 36.6 54.8#

120 23.6 18.2 27.4

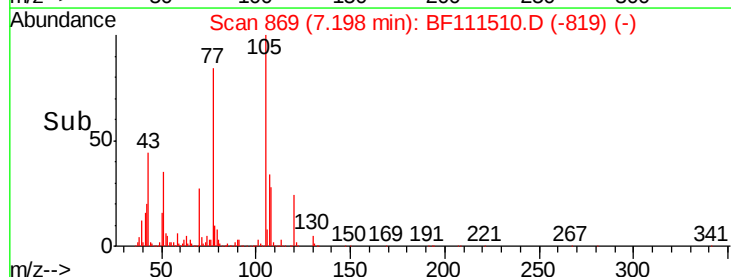


Abundance Ion 105.00 (104.70 to 105.70): E

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



Abundance

1200000

1000000

800000

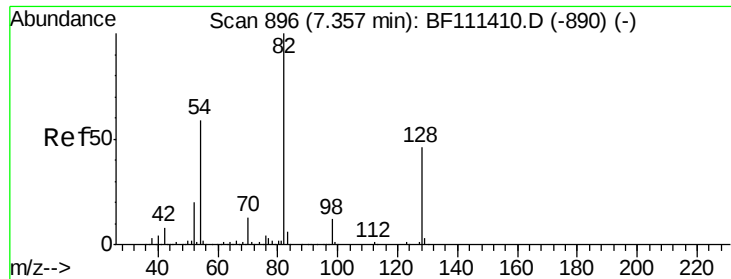
600000

400000

200000

0

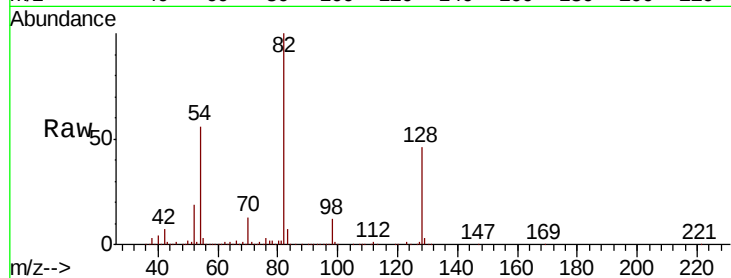
Time-->



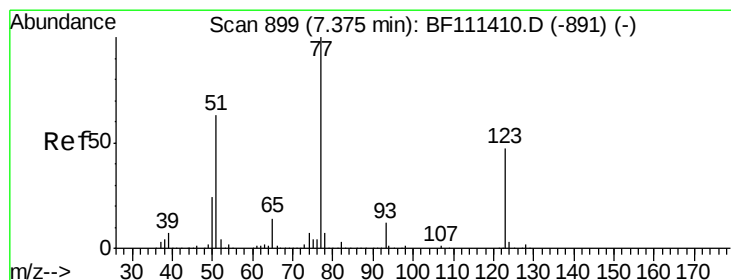
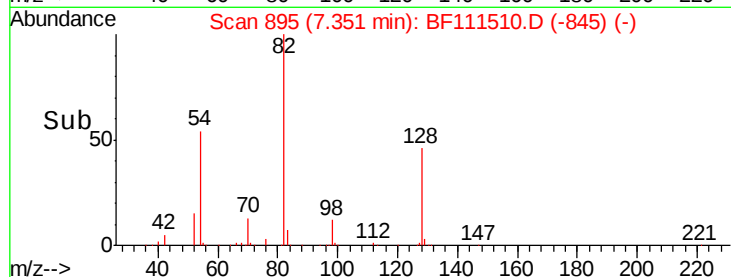
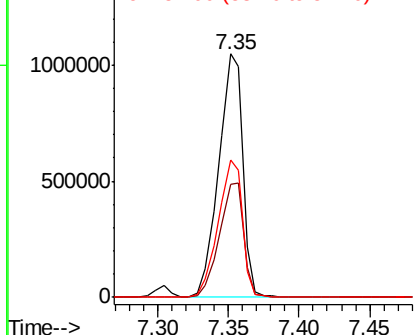
#23  
 Nitrobenzene-d5  
 Concen: 72.217 ng  
 RT: 7.35 min Scan# 895  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

Tgt Ion: 82 Resp: 1242145  
 Ion Ratio Lower Upper  
 82 100  
 128 46.2 37.4 56.2  
 54 56.3 47.6 71.4

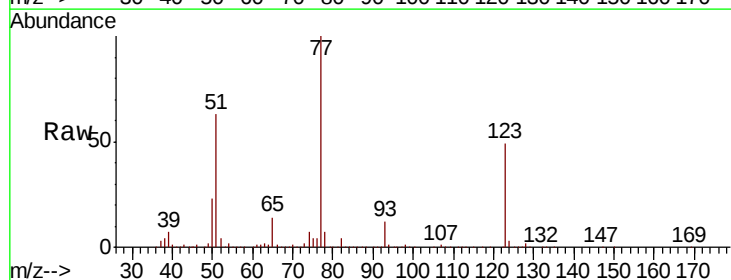


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

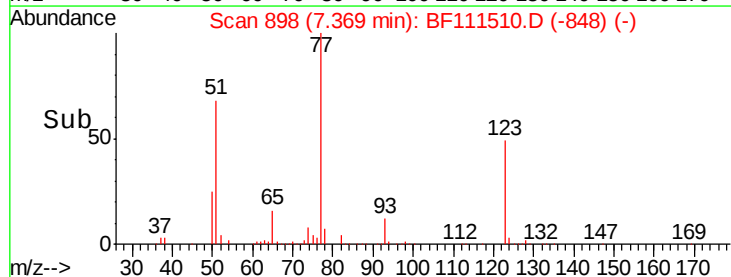
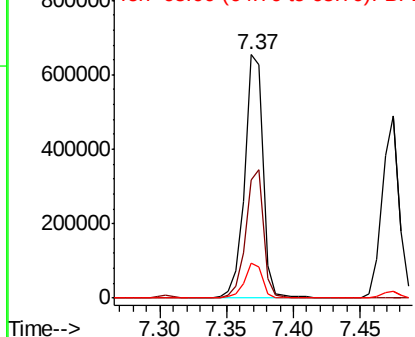


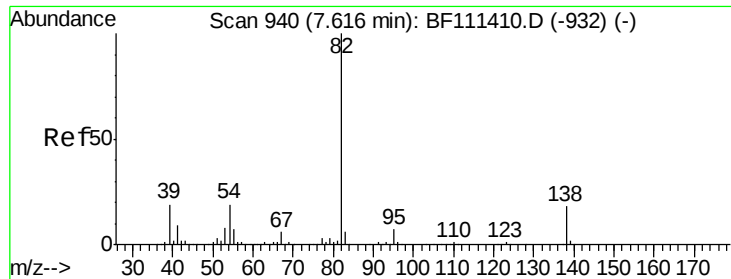
#24  
 Nitrobenzene  
 Concen: 35.044 ng  
 RT: 7.37 min Scan# 898  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Tgt Ion: 77 Resp: 614895  
 Ion Ratio Lower Upper  
 77 100  
 123 48.7 37.2 55.8  
 65 14.3 11.5 17.3



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

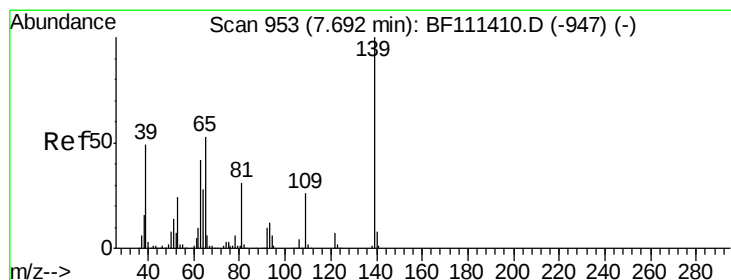
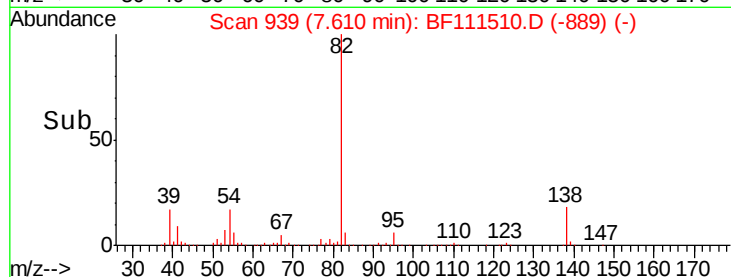
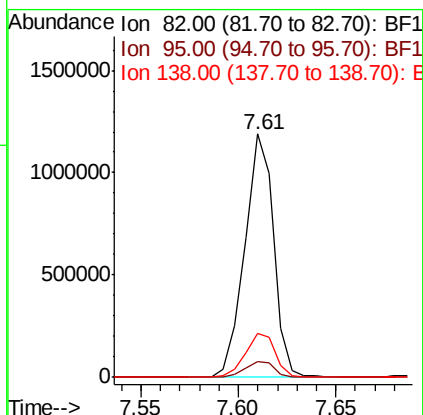
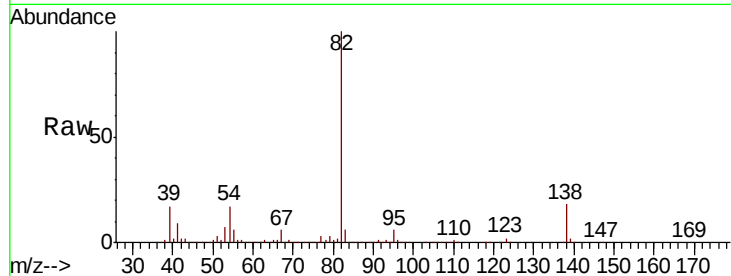




#25  
Isophorone  
Concen: 42.011 ng  
RT: 7.61 min Scan# 939  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

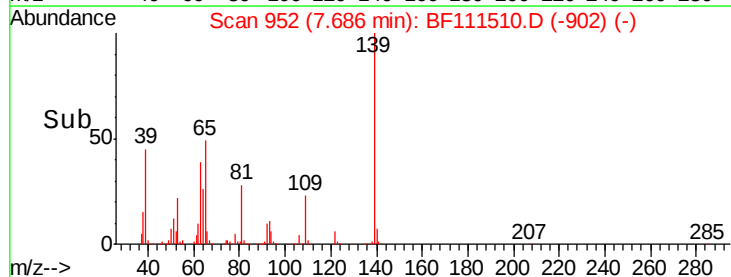
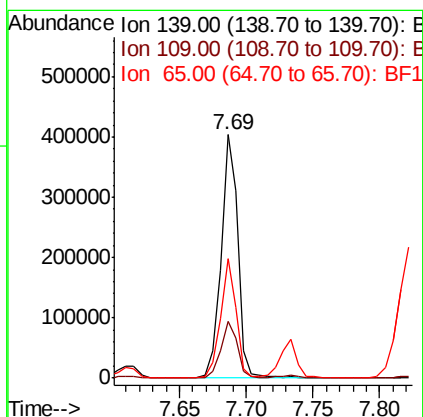
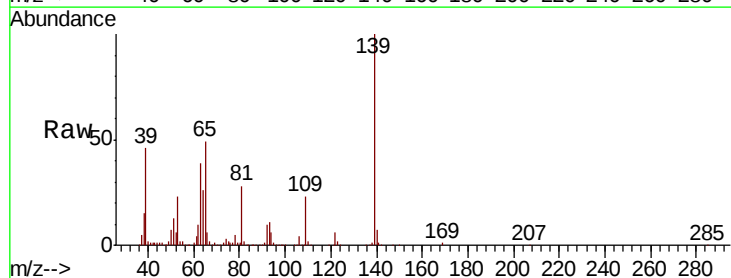
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS006-1824-01MS

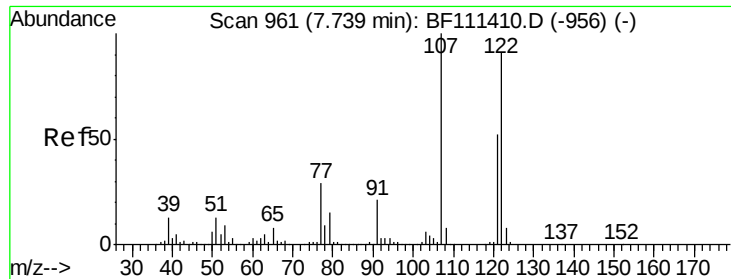
Tgt Ion: 82 Resp: 1222648  
Ion Ratio Lower Upper  
82 100  
95 6.5 5.4 8.2  
138 18.1 15.1 22.7



#26  
2-Nitrophenol  
Concen: 39.572 ng  
RT: 7.69 min Scan# 952  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Tgt Ion: 139 Resp: 360083  
Ion Ratio Lower Upper  
139 100  
109 23.5 20.2 30.4  
65 49.0 40.7 61.1

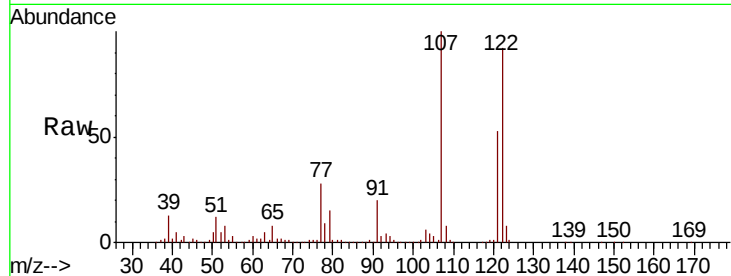




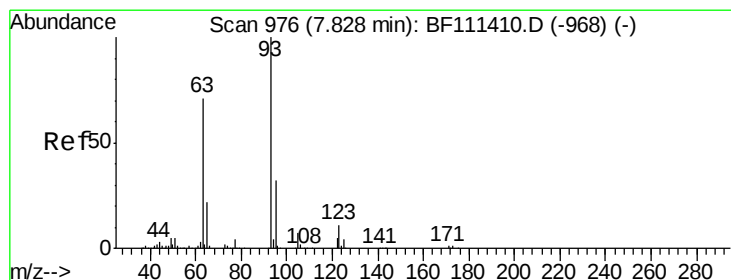
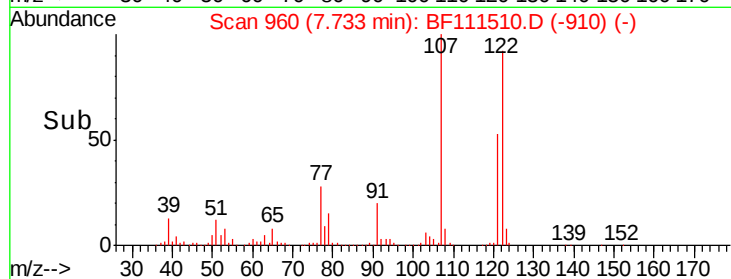
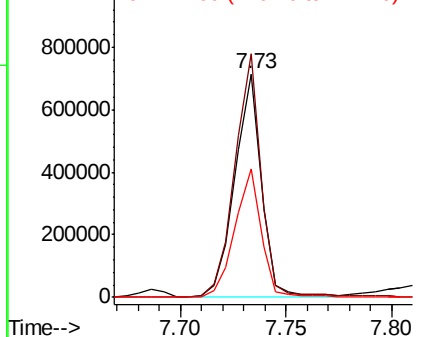
#27  
 2,4-Dimethylphenol  
 Concen: 47.274 ng  
 RT: 7.73 min Scan# 960  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

Tgt Ion:122 Resp: 623626  
 Ion Ratio Lower Upper  
 122 100  
 107 108.9 85.5 128.3  
 121 57.6 46.6 70.0

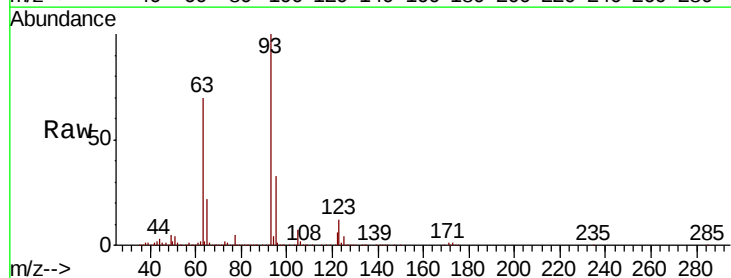


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

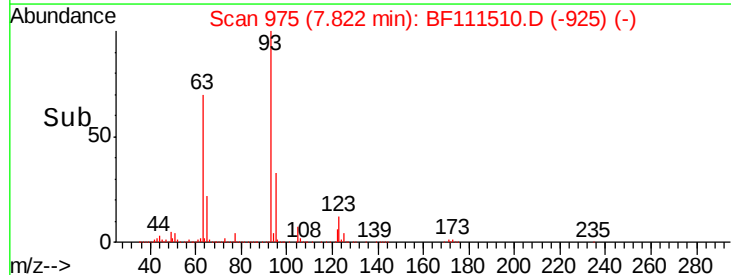
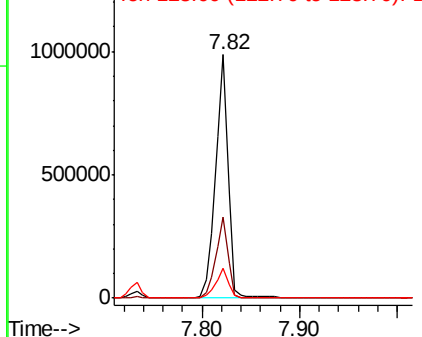


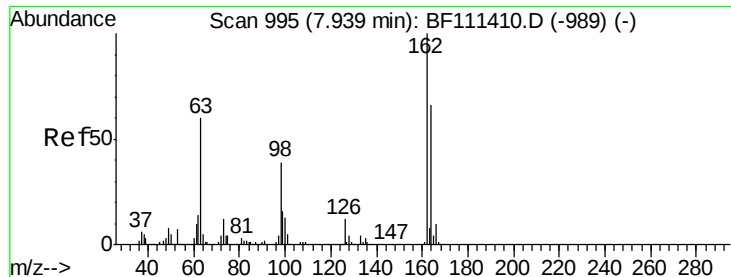
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.961 ng  
 RT: 7.82 min Scan# 975  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Tgt Ion: 93 Resp: 883239  
 Ion Ratio Lower Upper  
 93 100  
 95 33.2 27.1 40.7  
 123 12.1 9.9 14.9



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

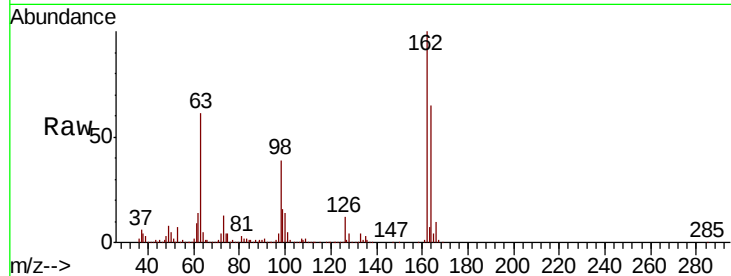




#29  
 2,4-Dichlorophenol  
 Concen: 42.115 ng  
 RT: 7.93 min Scan# 994  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.5  | 44.4  | 84.4  |
| 98      | 39.1  | 20.3  | 60.3  |

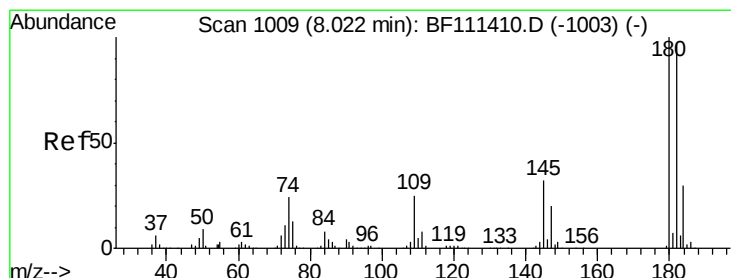
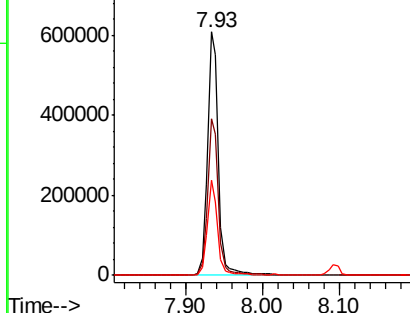
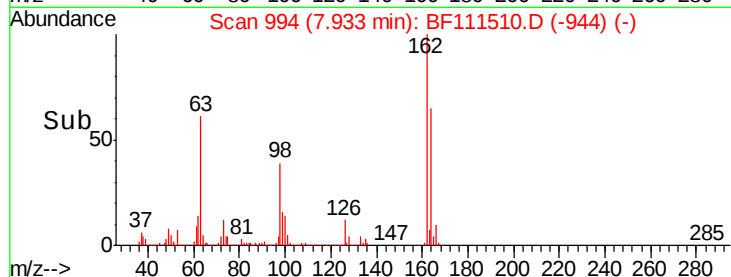


Abundance

Ion 162.00 (161.70 to 162.70): E

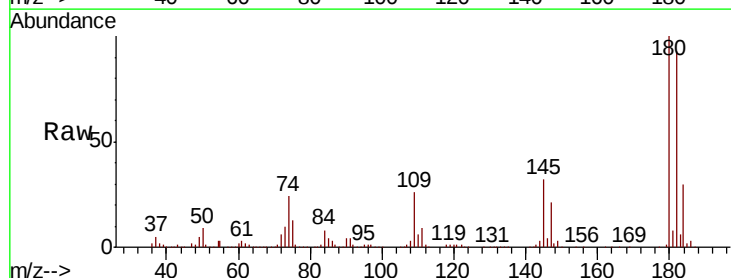
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.513 ng  
 RT: 8.02 min Scan# 1008  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.1  | 75.6  | 113.4 |
| 145     | 31.9  | 26.7  | 40.1  |

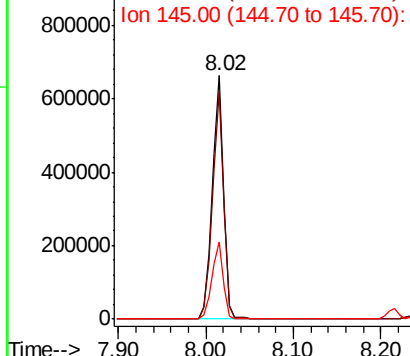
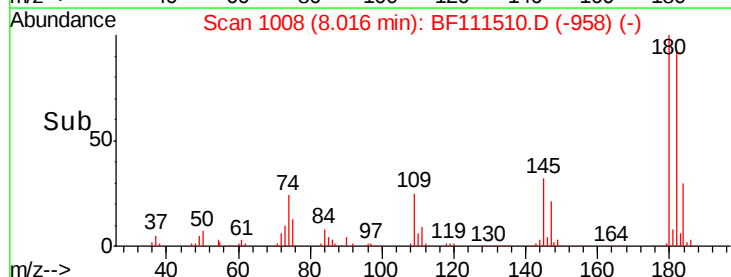


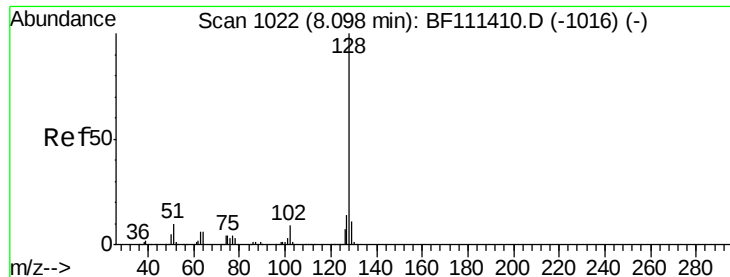
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

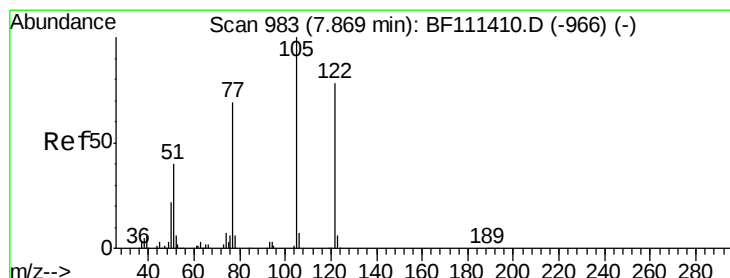
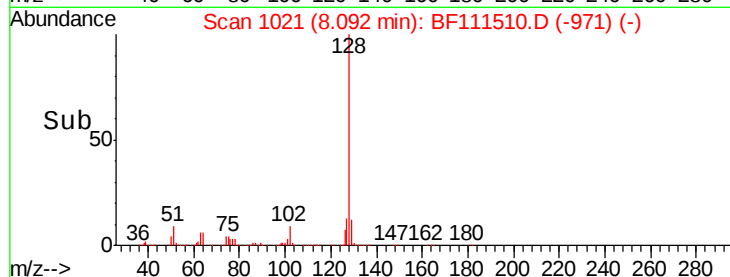
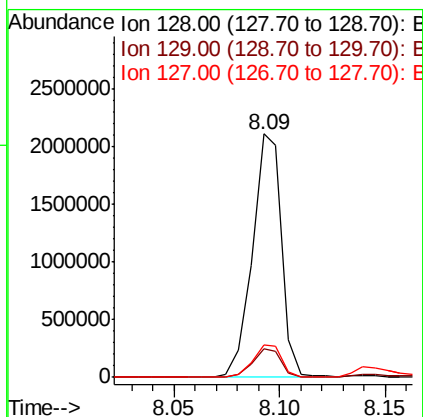
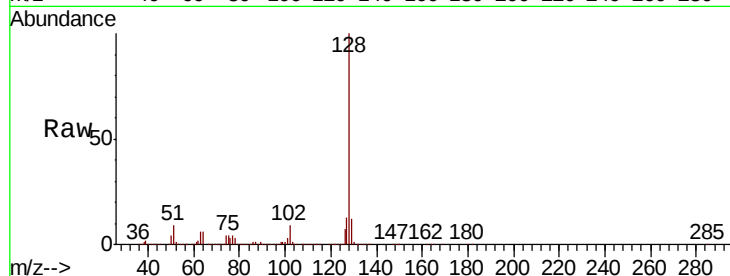




#31  
Naphthalene  
Concen: 42.259 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

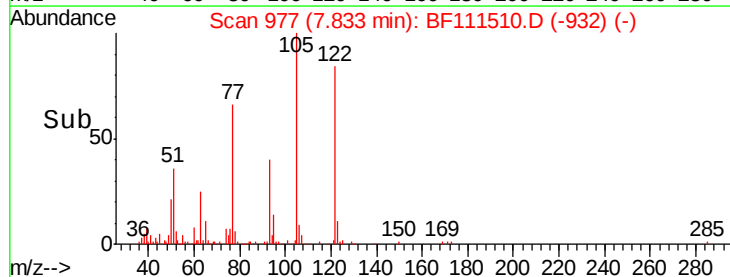
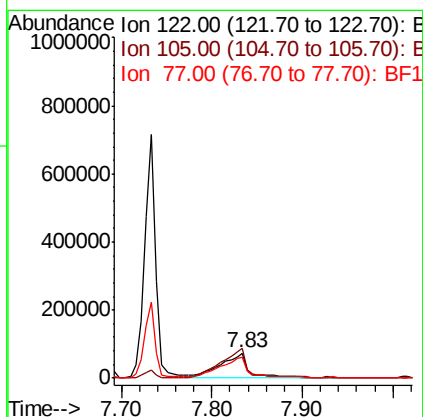
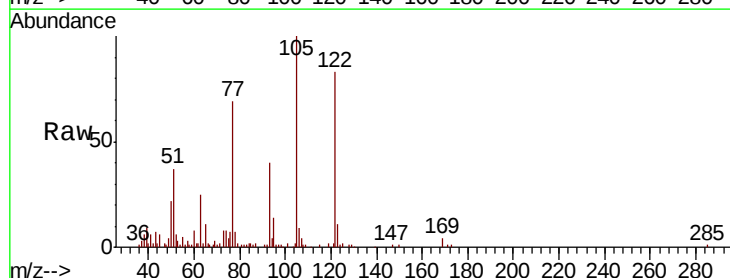
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS006-1824-01MS

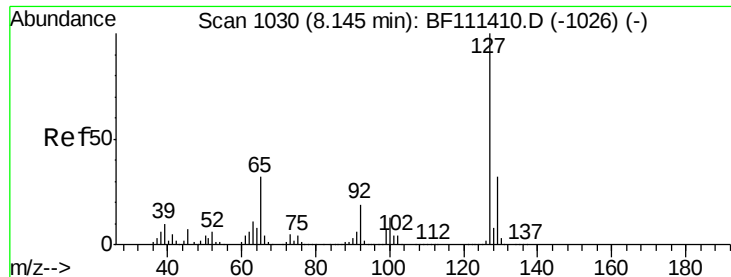
Tgt Ion:128 Resp: 2024467  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.8 14.8  
127 13.4 12.0 18.0



#32  
Benzoic acid  
Concen: 13.669 ng  
RT: 7.83 min Scan# 977  
Delta R.T. -0.04 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Tgt Ion:122 Resp: 155823  
Ion Ratio Lower Upper  
122 100  
105 119.8 97.0 137.0  
77 82.3 65.7 105.7

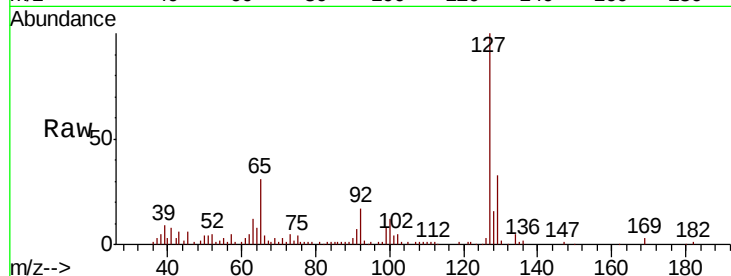




#33  
4-Chloroaniline  
Concen: 7.446 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS006-1824-01MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 158620 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.3  | 26.6  | 39.8   |
| 65       | 30.7  | 25.7  | 38.5   |
| 92       | 16.7  | 15.4  | 23.2   |



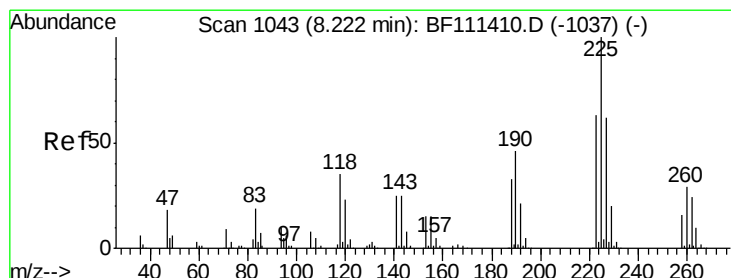
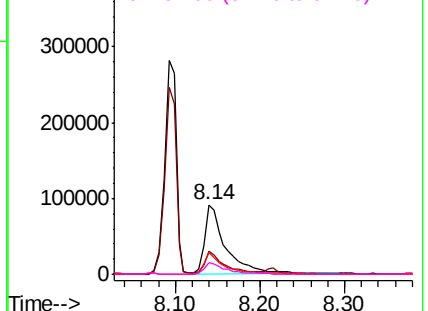
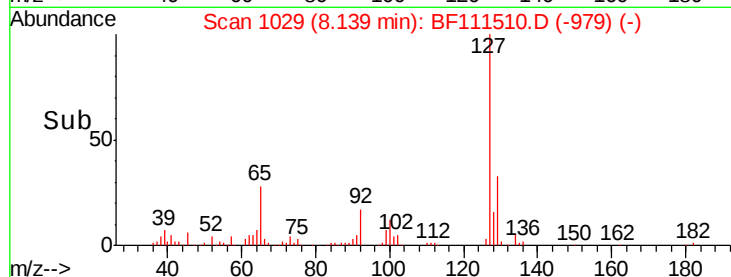
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

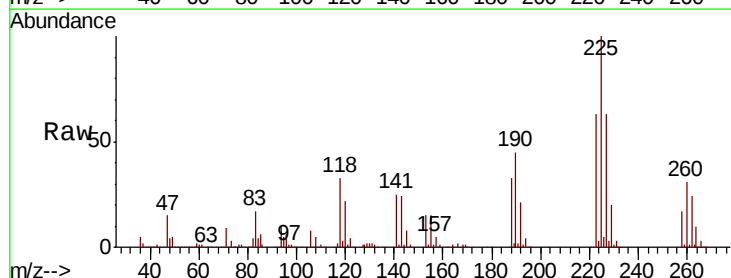
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34  
Hexachlorobutadiene  
Concen: 37.707 ng  
RT: 8.22 min Scan# 1042  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 306249 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.8  | 50.7  | 76.1   |
| 227      | 63.4  | 52.6  | 78.8   |

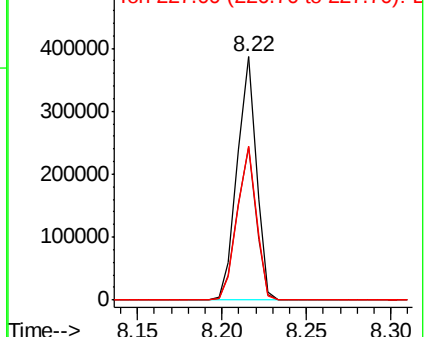
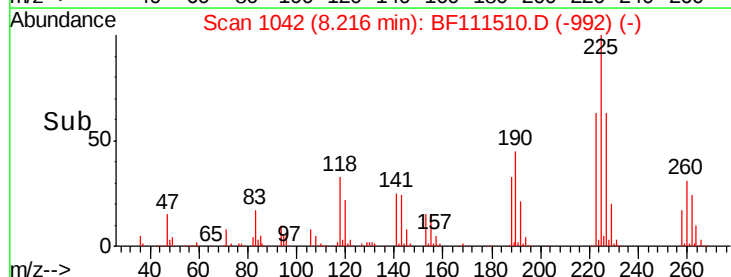


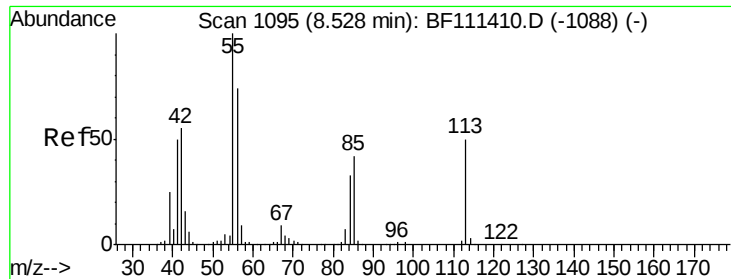
Abundance

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

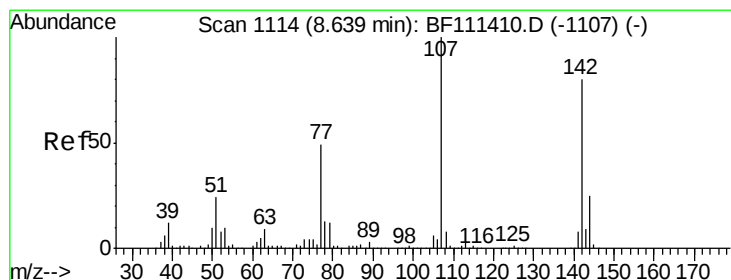
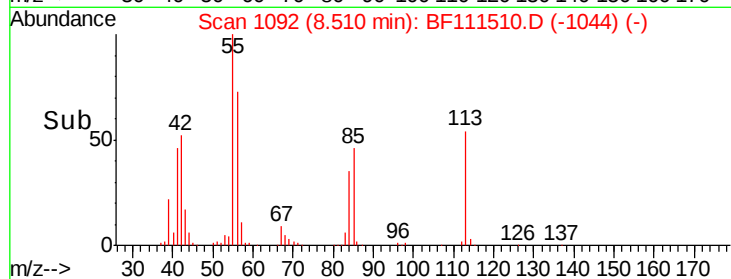
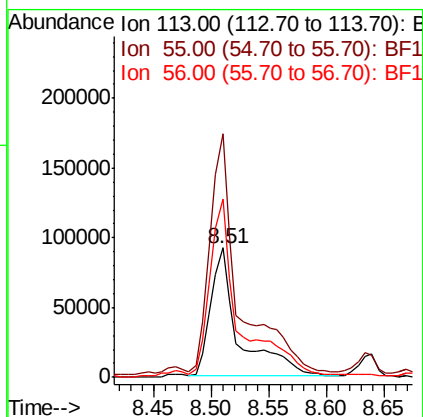
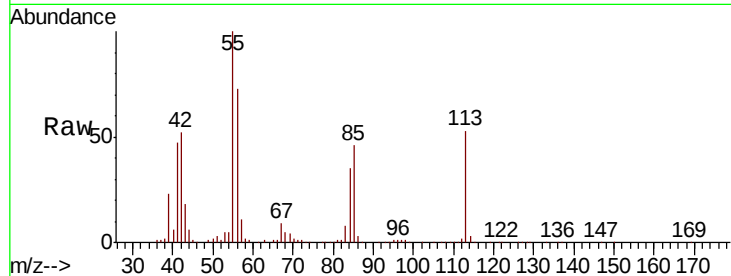




#35  
 Caprolactam  
 Concen: 29.929 ng  
 RT: 8.51 min Scan# 1092  
 Delta R.T. -0.02 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

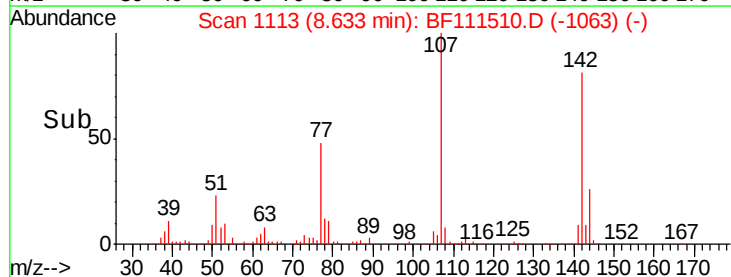
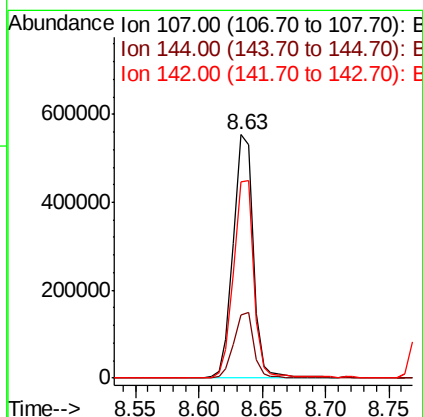
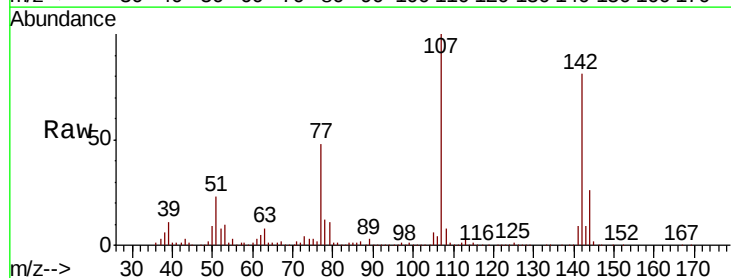
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

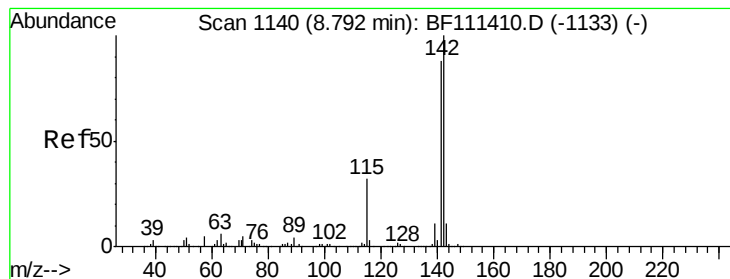
Tgt Ion:113 Resp: 156482  
 Ion Ratio Lower Upper  
 113 100  
 55 188.3 184.1 224.1  
 56 137.5 126.0 166.0



#36  
 4-Chloro-3-methylphenol  
 Concen: 39.113 ng  
 RT: 8.63 min Scan# 1113  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Tgt Ion:107 Resp: 606275  
 Ion Ratio Lower Upper  
 107 100  
 144 25.7 19.8 29.6  
 142 80.6 62.3 93.5





#37

2-Methylnaphthalene

Concen: 42.024 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

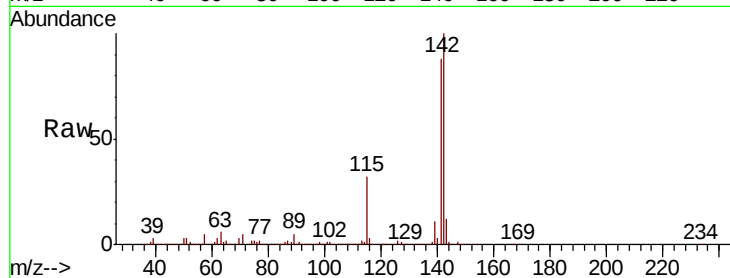
Tgt Ion:142 Resp: 1362297

Ion Ratio Lower Upper

142 100

141 87.5 70.6 105.8

115 31.8 27.0 40.6



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

8.79

1500000

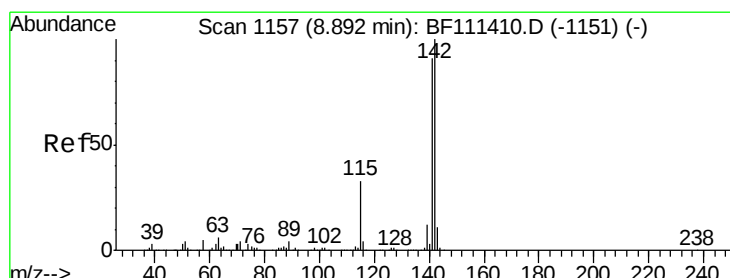
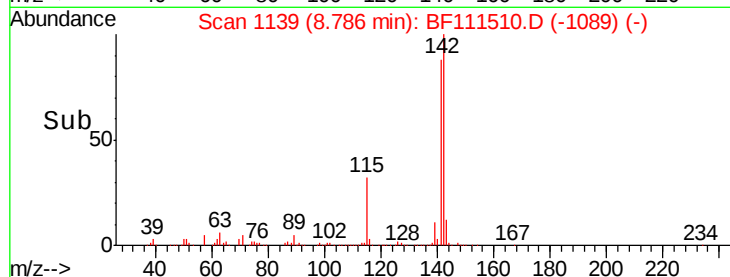
1000000

500000

0

8.75 8.80 8.85

Time-->



#38

1-Methylnaphthalene

Concen: 40.905 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

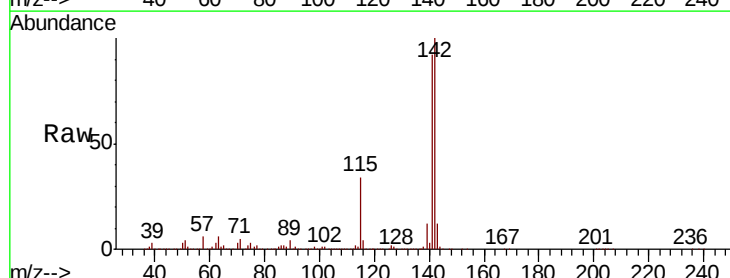
Tgt Ion:142 Resp: 1281063

Ion Ratio Lower Upper

142 100

141 92.1 74.2 111.4

116 3.6 2.9 4.3



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

8.89

1500000

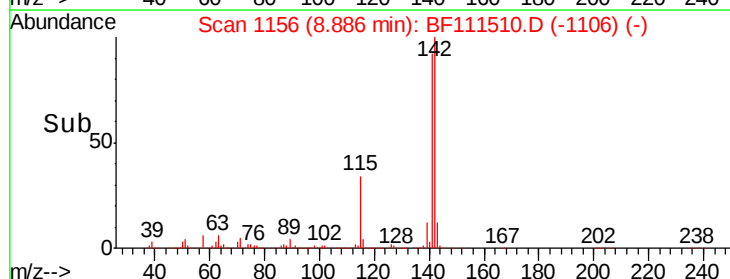
1000000

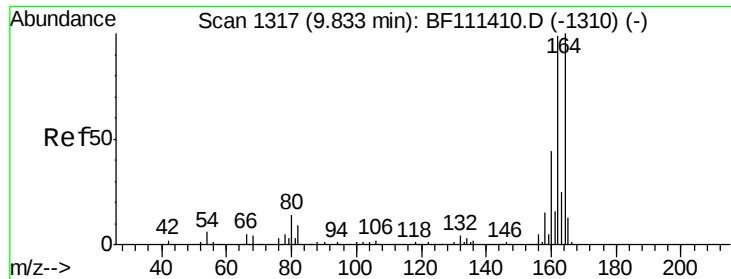
500000

0

8.85 8.90 8.95

Time-->

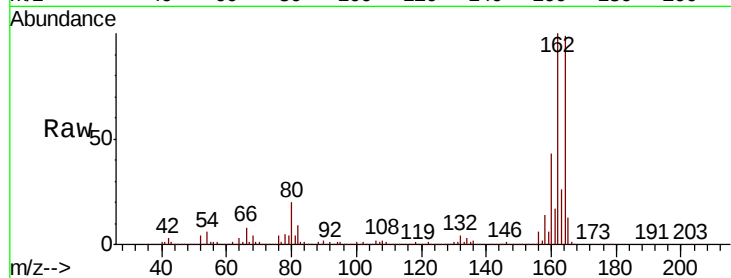




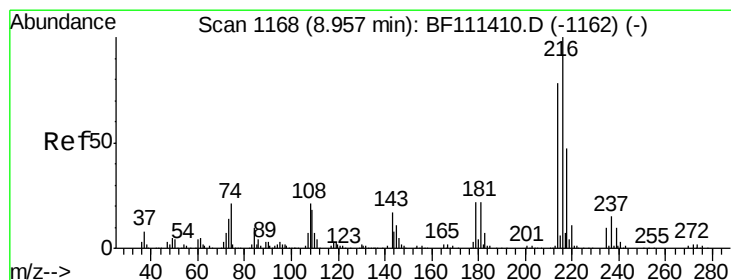
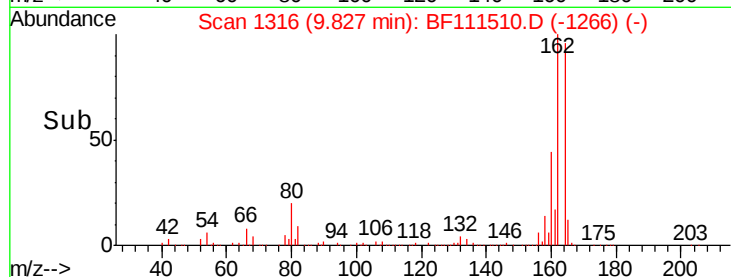
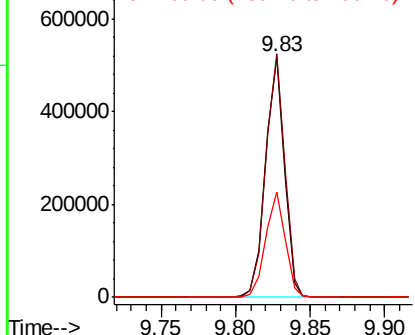
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS006-1824-01MS

Tgt Ion:164 Resp: 450541  
Ion Ratio Lower Upper  
164 100  
162 101.4 81.4 122.0  
160 44.0 35.7 53.5

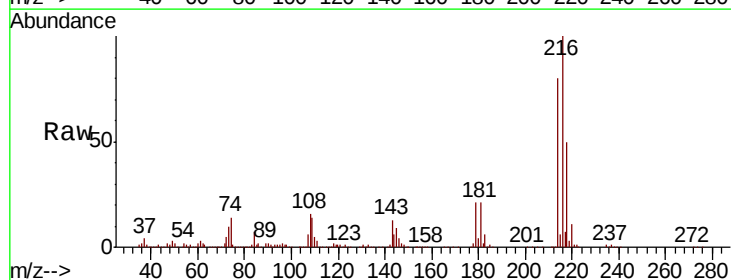


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

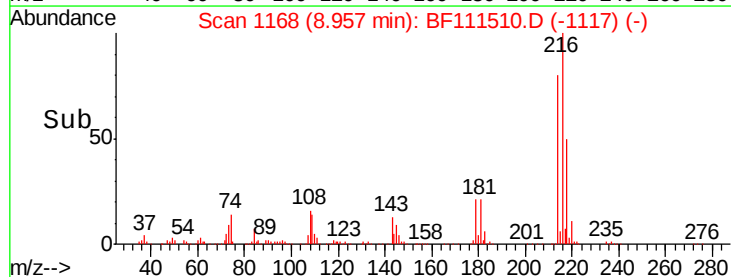
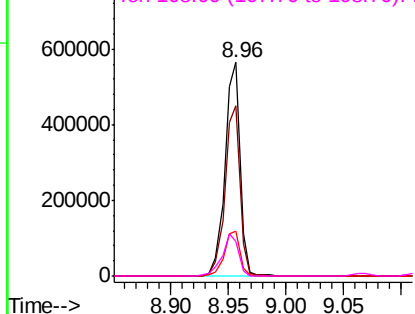


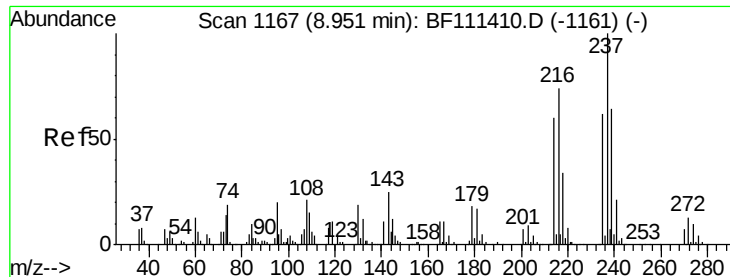
#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.347 ng  
RT: 8.96 min Scan# 1168  
Delta R.T. -0.00 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Tgt Ion:216 Resp: 510876  
Ion Ratio Lower Upper  
216 100  
214 79.5 63.8 95.8  
179 21.7 17.9 26.9  
108 21.1 18.4 27.6



Abundance Ion 216.00 (215.70 to 216.70): E  
Ion 214.00 (213.70 to 214.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 52.838 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

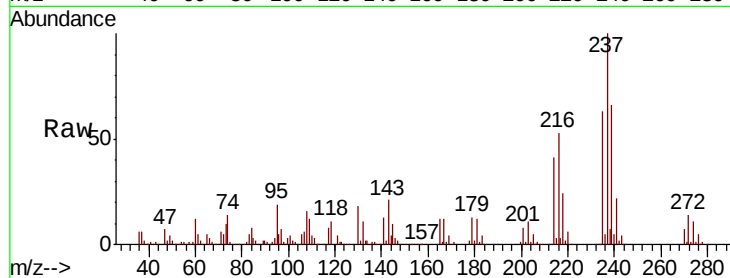
Tgt Ion: 237 Resp: 335181

Ion Ratio Lower Upper

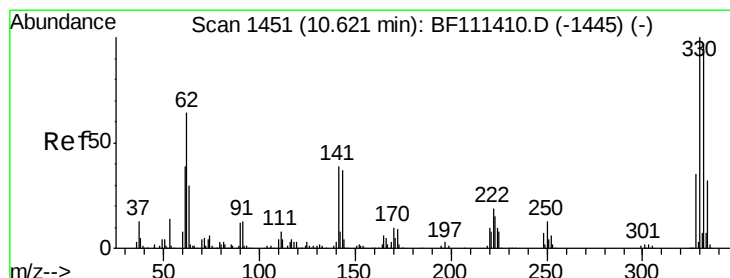
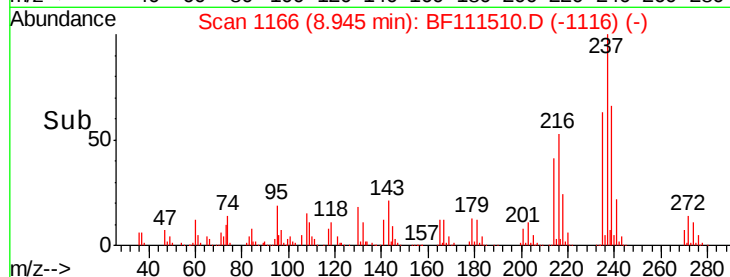
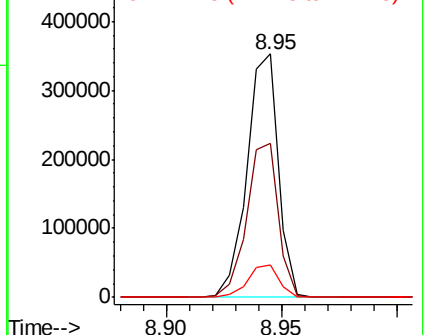
237 100

235 63.1 43.1 83.1

272 13.5 0.0 33.0



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



#42

2,4,6-Tribromophenol

Concen: 93.877 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

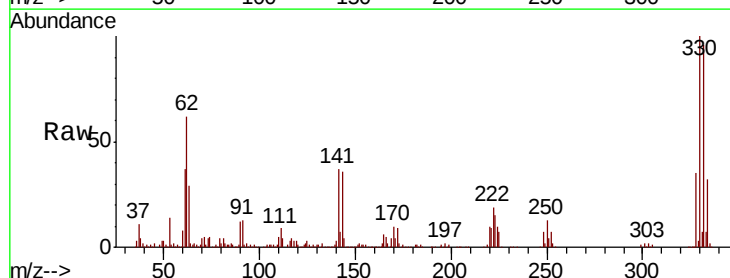
Tgt Ion: 330 Resp: 378878

Ion Ratio Lower Upper

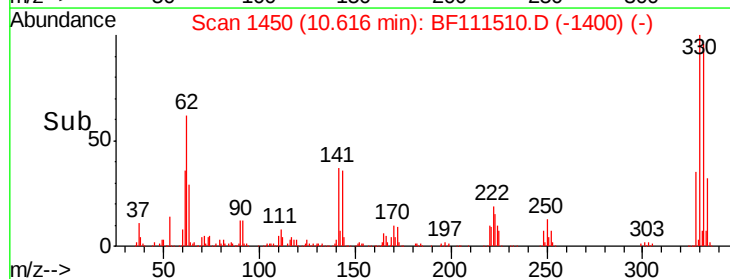
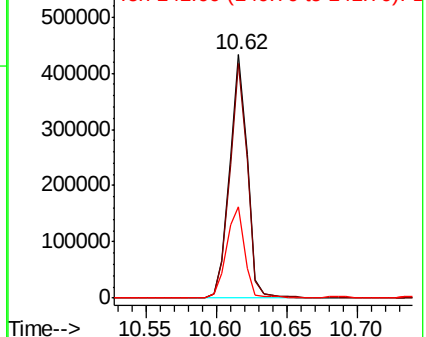
330 100

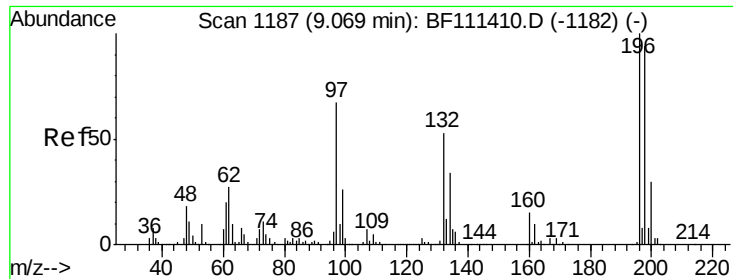
332 96.5 76.0 114.0

141 38.0 31.0 46.6



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

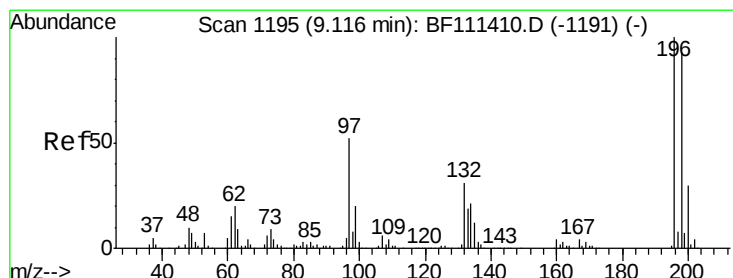
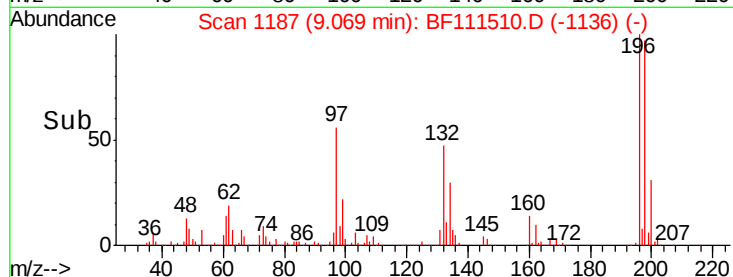
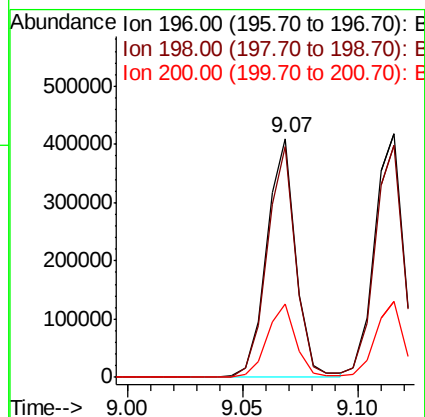
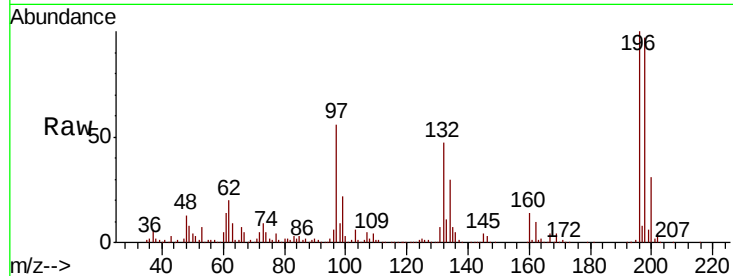




#43  
 2,4,6-Trichlorophenol  
 Concen: 41.067 ng  
 RT: 9.07 min Scan# 1187  
 Delta R.T. -0.00 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

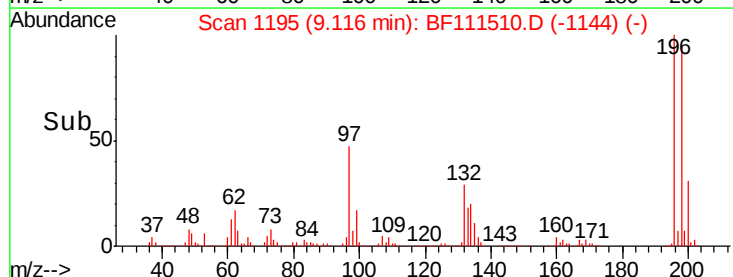
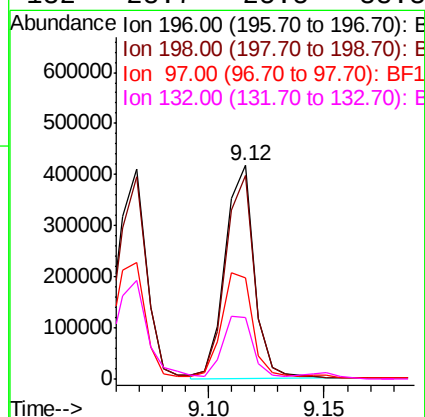
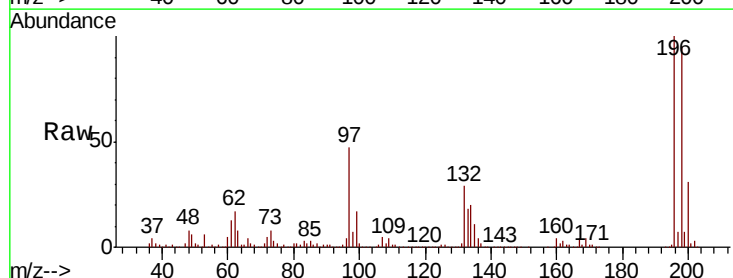
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

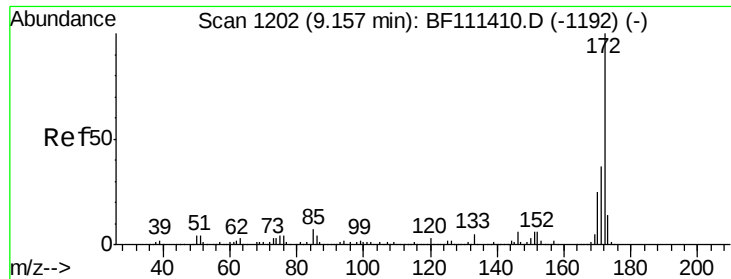
Tgt Ion:196 Resp: 359125  
 Ion Ratio Lower Upper  
 196 100  
 198 96.5 76.3 114.5  
 200 30.6 24.9 37.3



#44  
 2,4,5-Trichlorophenol  
 Concen: 39.384 ng  
 RT: 9.12 min Scan# 1195  
 Delta R.T. -0.00 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Tgt Ion:196 Resp: 366490  
 Ion Ratio Lower Upper  
 196 100  
 198 95.2 72.9 109.3  
 97 47.3 45.3 67.9  
 132 28.7 25.5 38.3

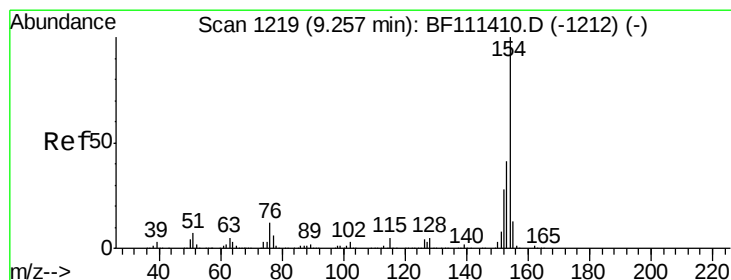
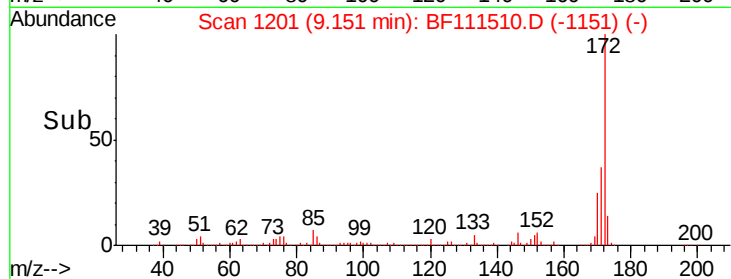
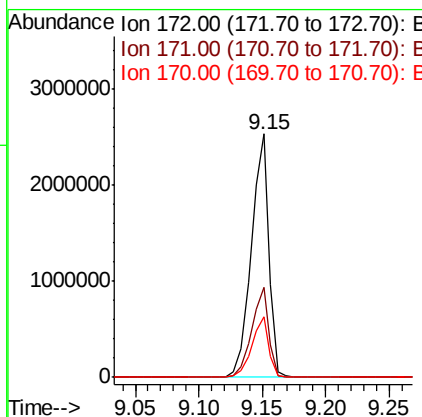
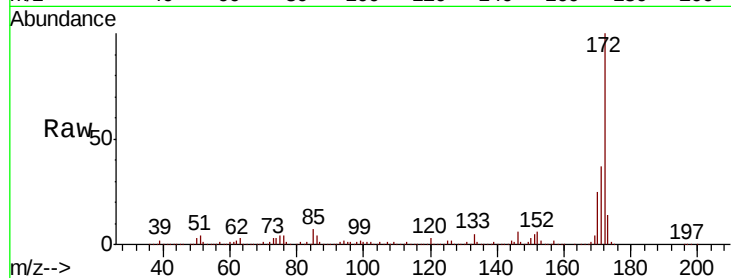




#45  
 2-Fluorobiphenyl  
 Concen: 83.864 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

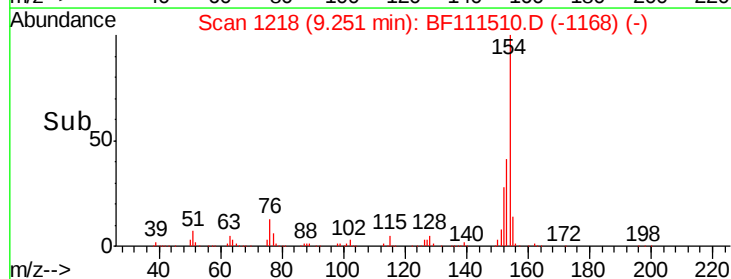
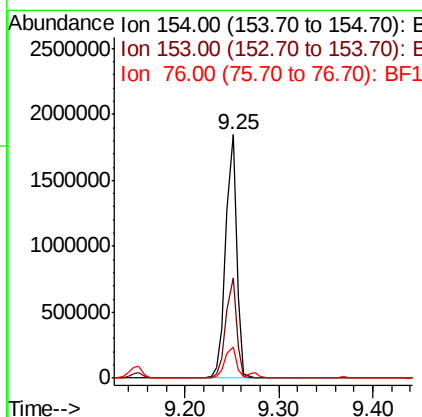
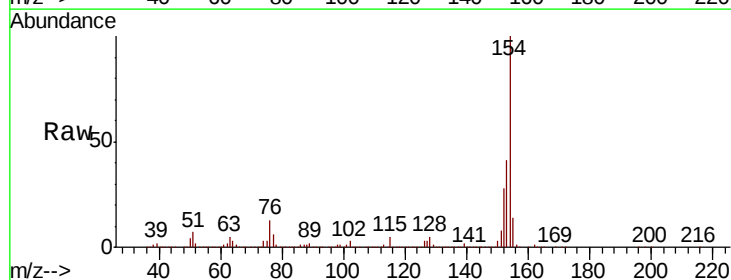
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

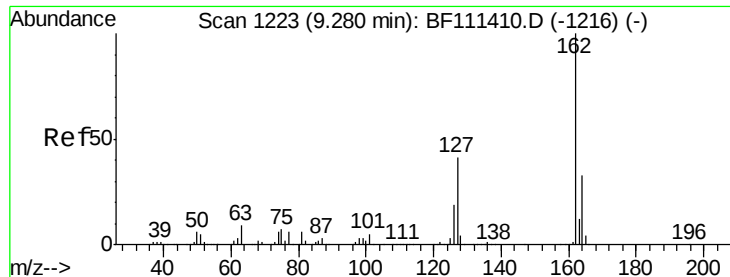
Tgt Ion:172 Resp: 2446145  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 33.0 49.4  
 170 24.9 22.3 33.5



#46  
 1,1'-Biphenyl  
 Concen: 39.697 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Tgt Ion:154 Resp: 1515425  
 Ion Ratio Lower Upper  
 154 100  
 153 41.2 23.7 63.7  
 76 12.8 0.0 35.0

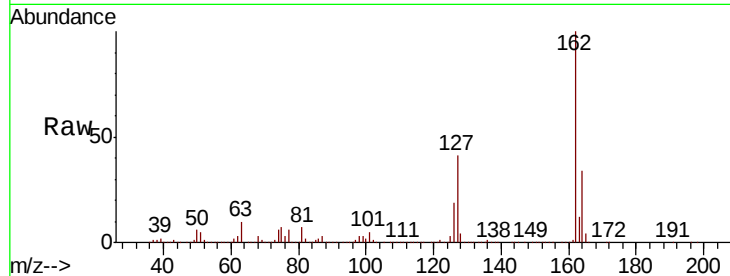




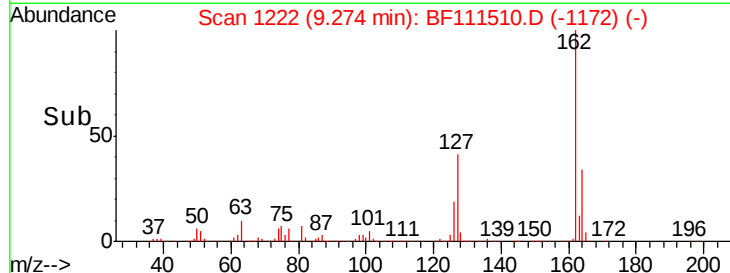
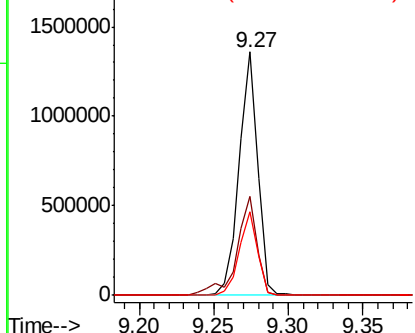
#47  
2-Chloronaphthalene  
Concen: 41.123 ng  
RT: 9.27 min Scan# 1222  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS006-1824-01MS

Tgt Ion: 162 Resp: 1193274  
Ion Ratio Lower Upper  
162 100  
127 40.9 35.0 52.4  
164 34.1 28.4 42.6

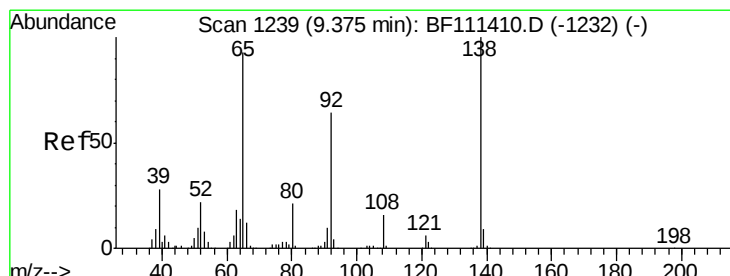


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

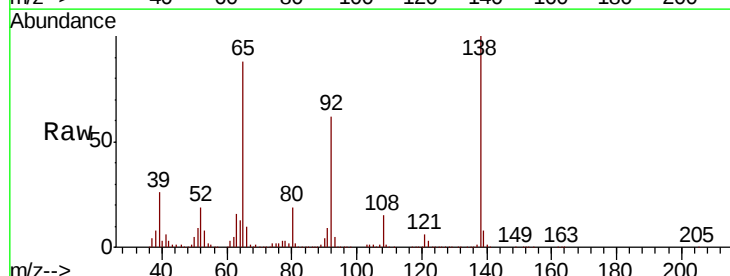
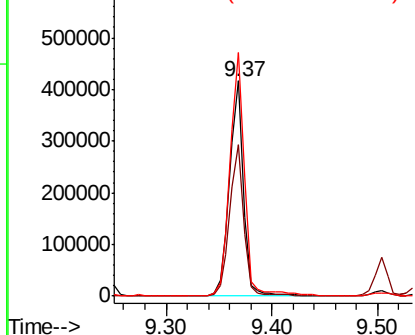


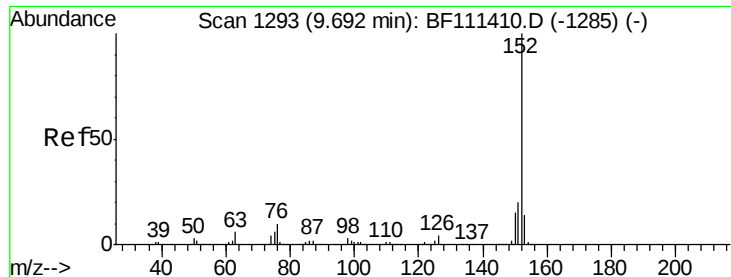
#48  
2-Nitroaniline  
Concen: 40.549 ng  
RT: 9.37 min Scan# 1238  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Tgt Ion: 65 Resp: 382040  
Ion Ratio Lower Upper  
65 100  
92 70.3 53.5 80.3  
138 113.2 80.9 121.3



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: 43.090 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

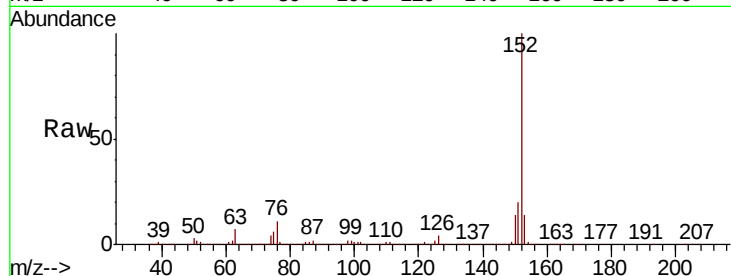
Tgt Ion:152 Resp: 1856002

Ion Ratio Lower Upper

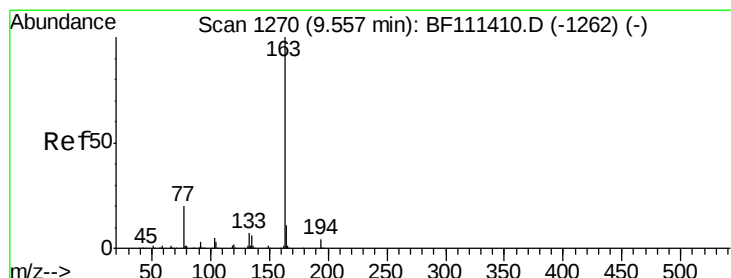
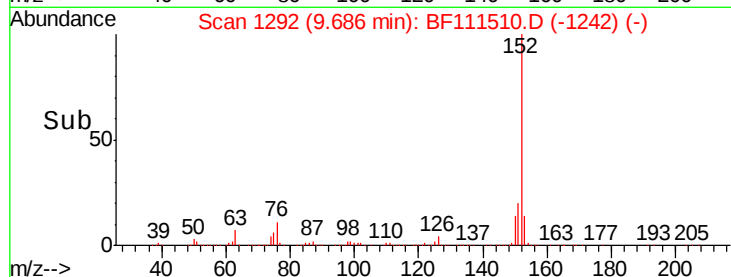
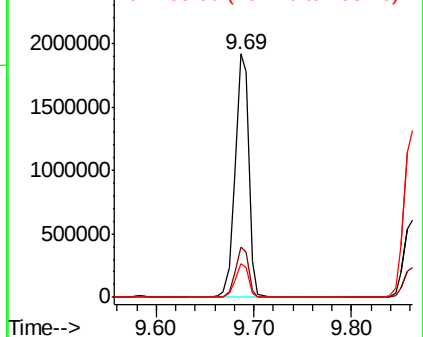
152 100

151 20.5 18.0 27.0

153 13.7 12.3 18.5



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 47.583 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

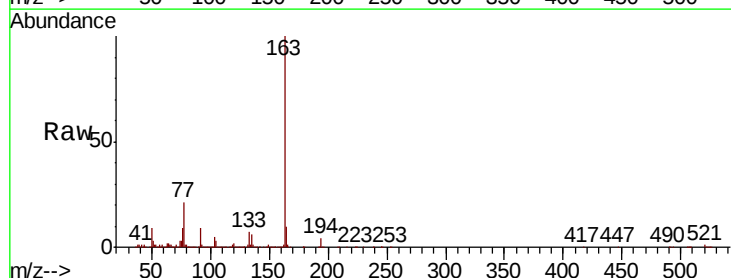
Tgt Ion:163 Resp: 1543918

Ion Ratio Lower Upper

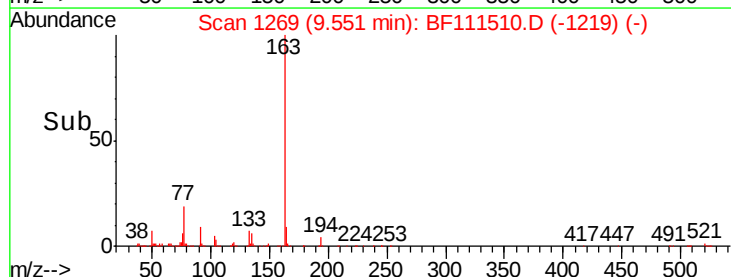
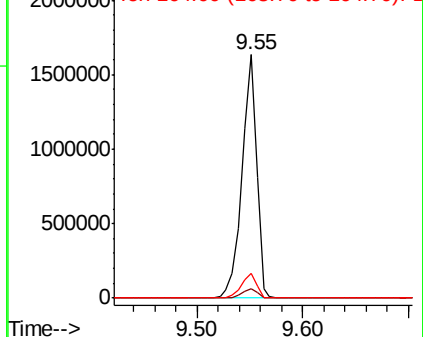
163 100

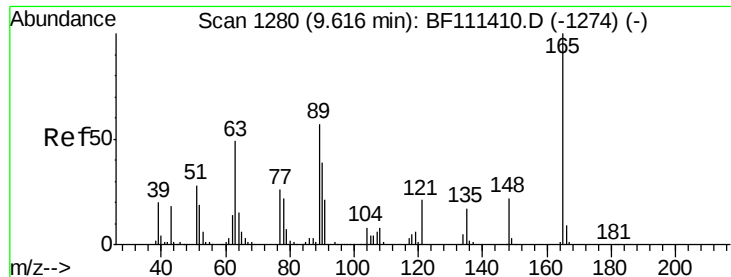
194 3.8 3.0 4.6

164 10.3 8.9 13.3



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: 41.046 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

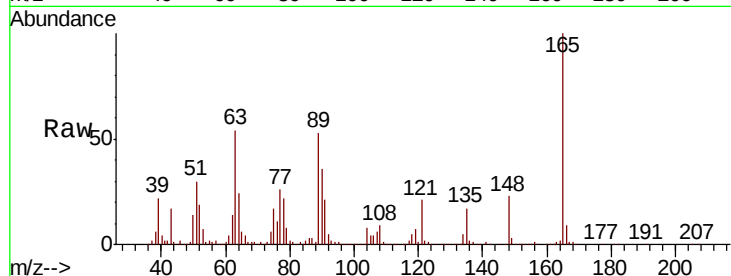
Tgt Ion:165 Resp: 299784

Ion Ratio Lower Upper

165 100

63 54.3 40.5 60.7

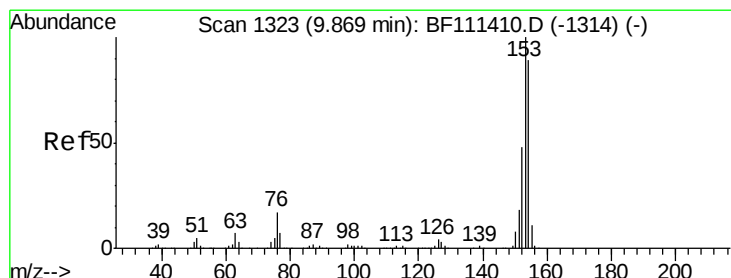
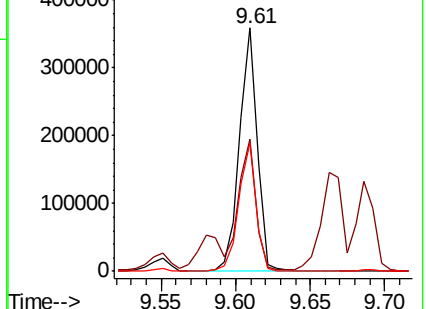
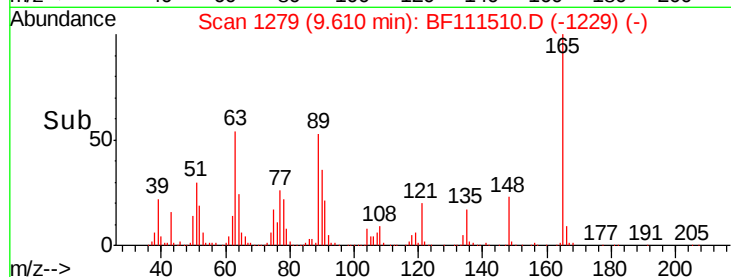
89 52.6 40.0 60.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 39.103 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

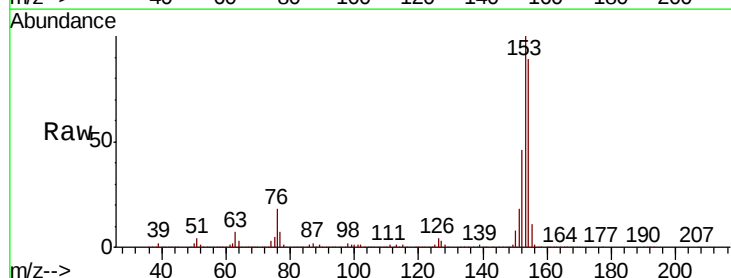
Tgt Ion:154 Resp: 1064540

Ion Ratio Lower Upper

154 100

153 111.9 87.8 131.8

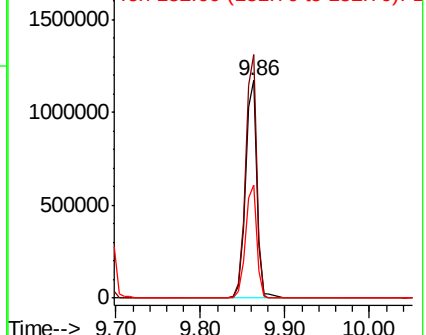
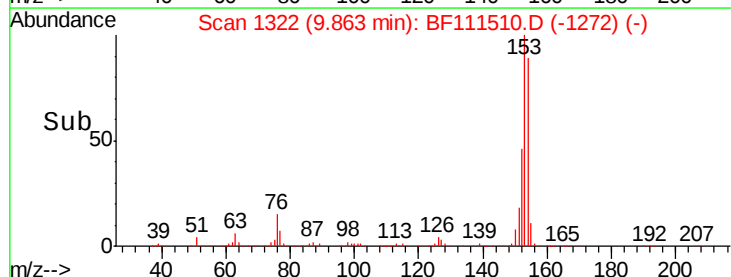
152 52.0 43.4 65.2

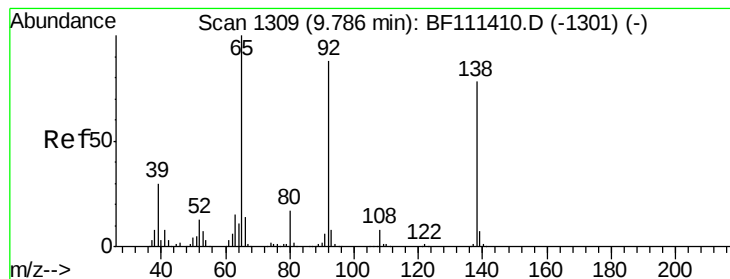


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 21.315 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

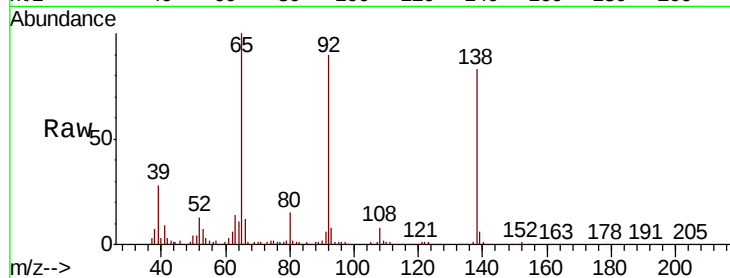
Tgt Ion:138 Resp: 189086

Ion Ratio Lower Upper

138 100

108 9.5 8.2 12.4

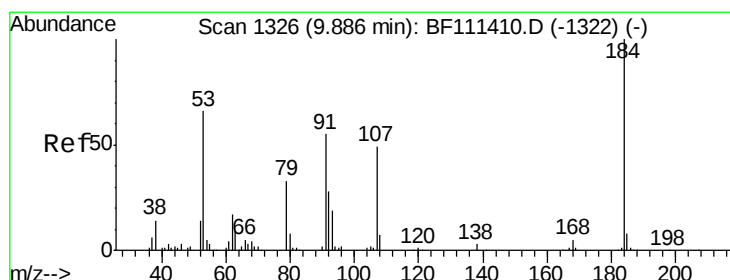
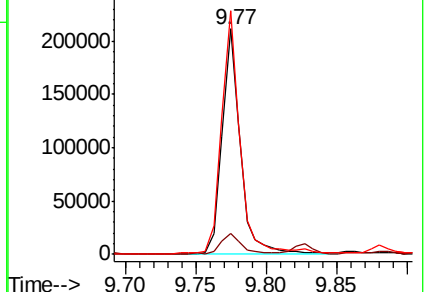
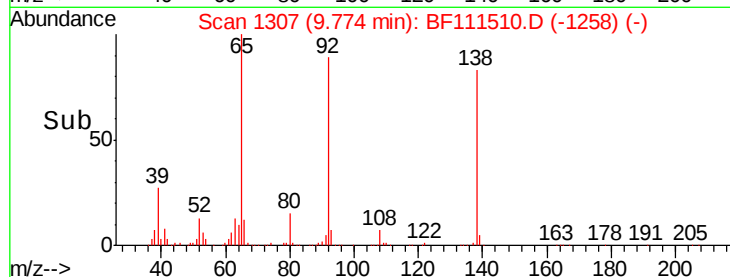
92 108.1 93.4 140.2



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: 9.374 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

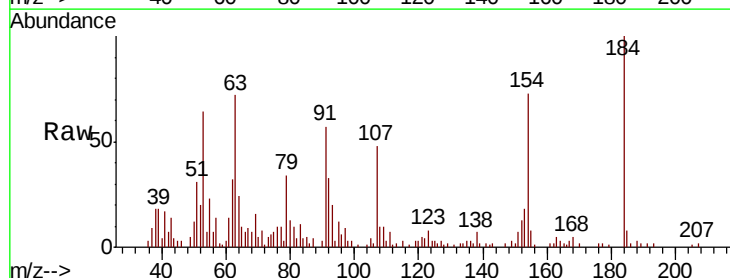
Tgt Ion:184 Resp: 26048

Ion Ratio Lower Upper

184 100

63 71.8 62.3 93.5

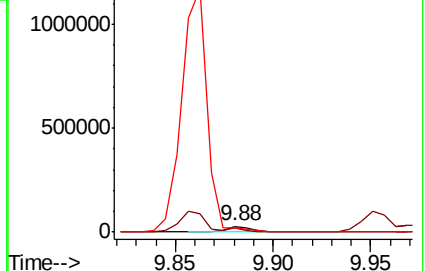
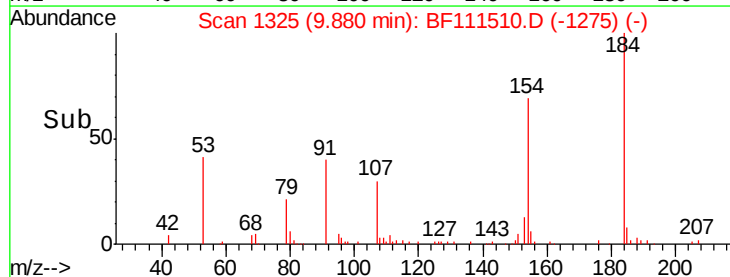
154 72.5 56.2 84.2

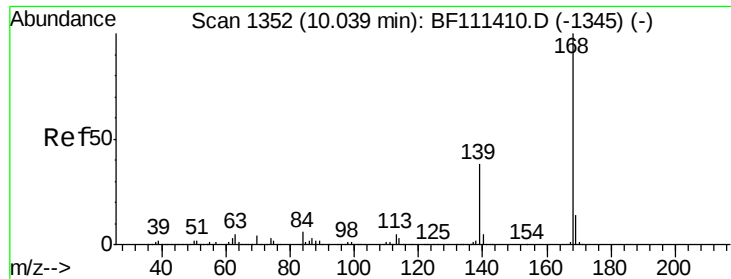


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

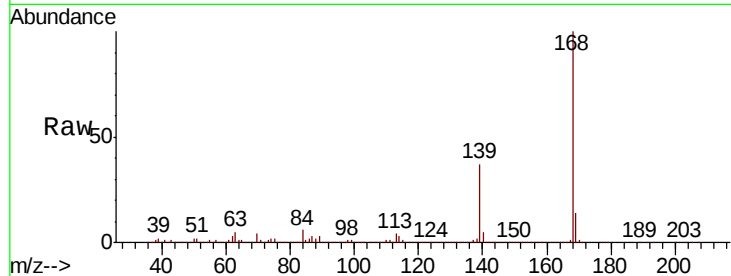




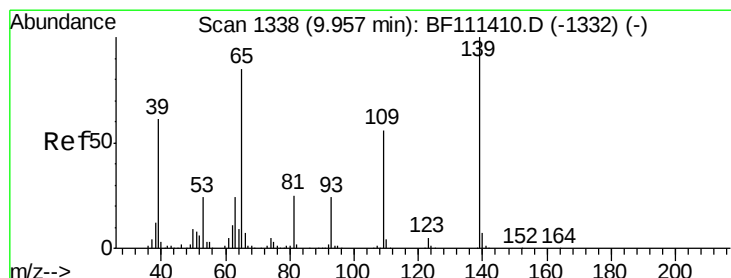
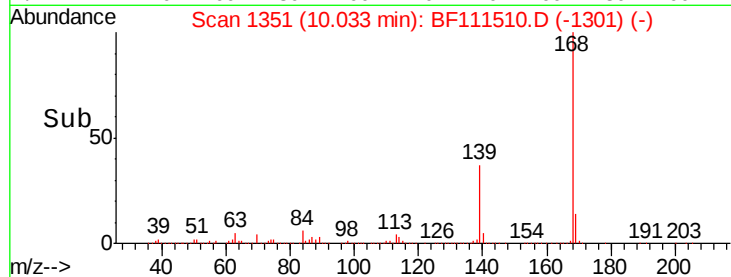
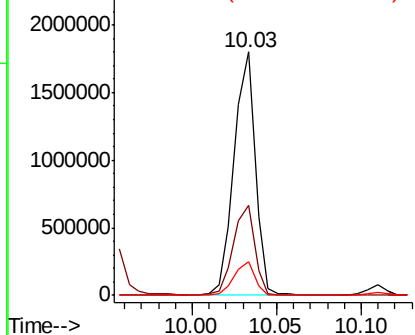
#55  
Dibenzofuran  
Concen: 39.925 ng  
RT: 10.03 min Scan# 1351  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS006-1824-01MS

Tgt Ion:168 Resp: 1577676  
Ion Ratio Lower Upper  
168 100  
139 37.1 32.6 49.0  
169 13.8 11.8 17.6

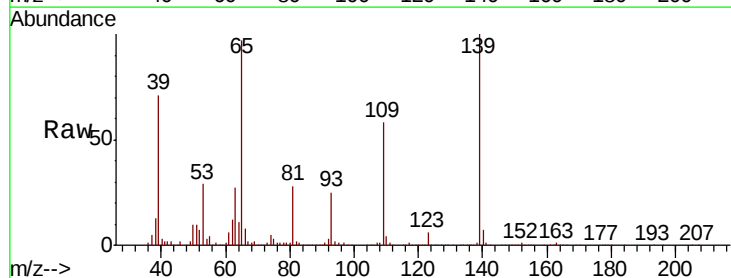


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

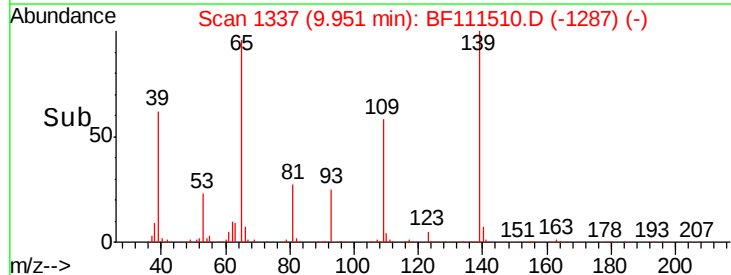
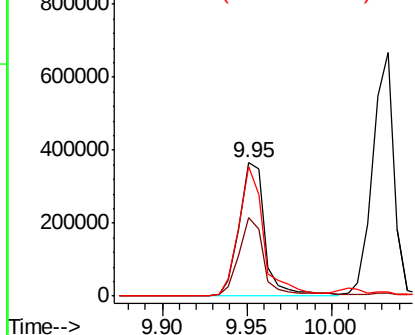


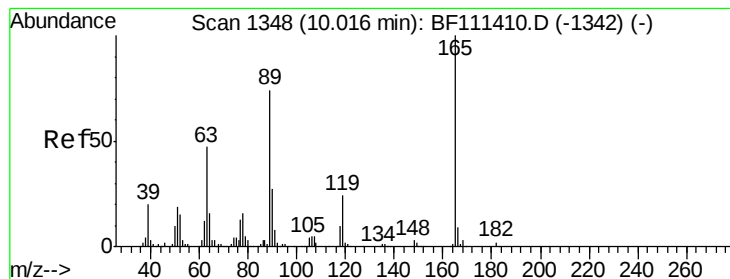
#56  
4-Nitrophenol  
Concen: 63.370 ng  
RT: 9.95 min Scan# 1337  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Tgt Ion:139 Resp: 389041  
Ion Ratio Lower Upper  
139 100  
109 58.5 41.8 81.8  
65 96.8 79.6 119.6



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





#57

2,4-Dinitrotoluene

Concen: 37.641 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

Tgt Ion:165 Resp: 360831

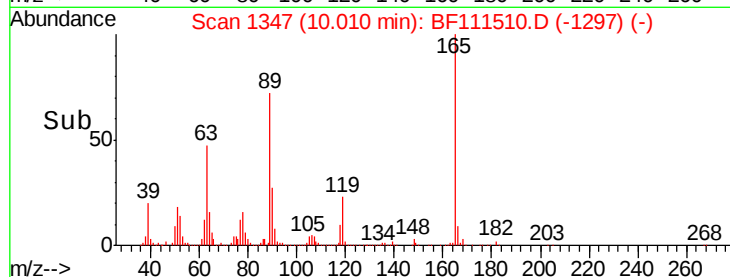
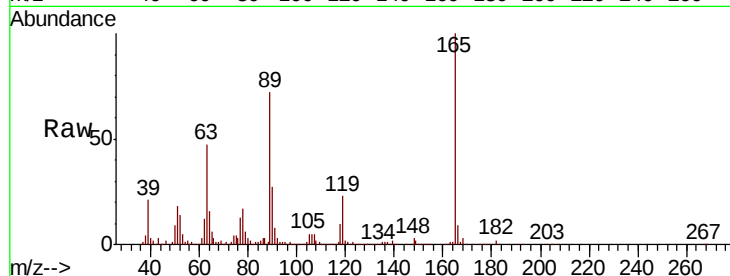
Ion Ratio Lower Upper

165 100

63 46.8 34.6 52.0

89 72.0 56.2 84.4

182 2.0 1.8 2.6

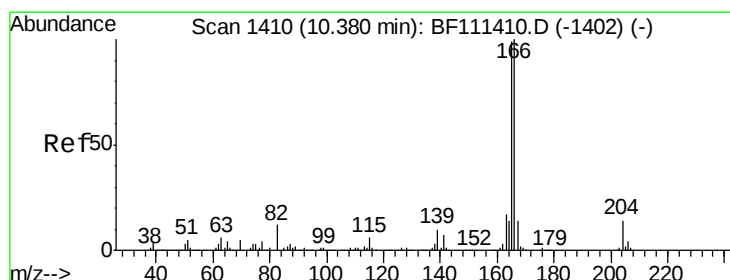
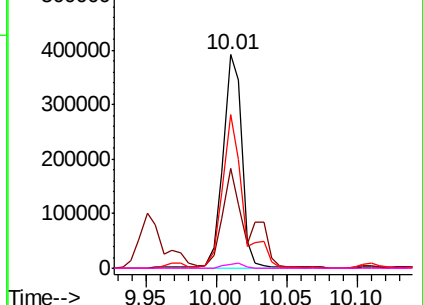


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 40.859 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

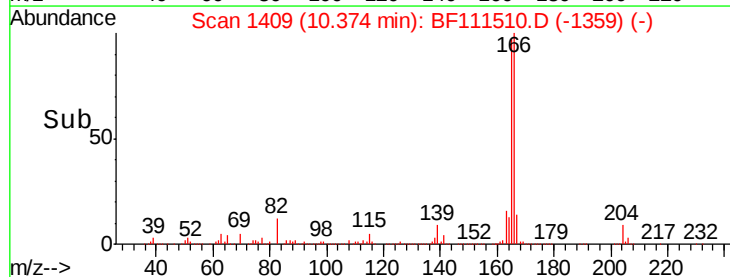
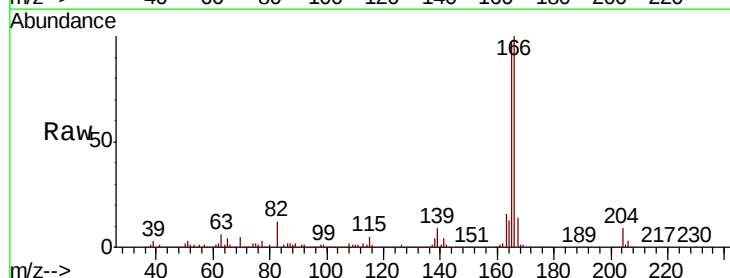
Tgt Ion:166 Resp: 1171114

Ion Ratio Lower Upper

166 100

165 96.7 78.4 117.6

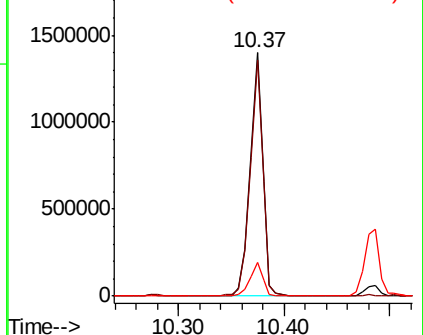
167 13.8 11.2 16.8

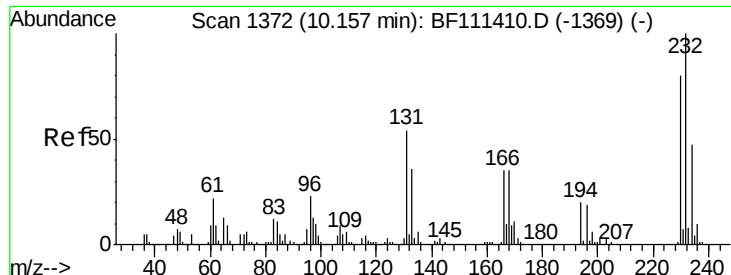


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

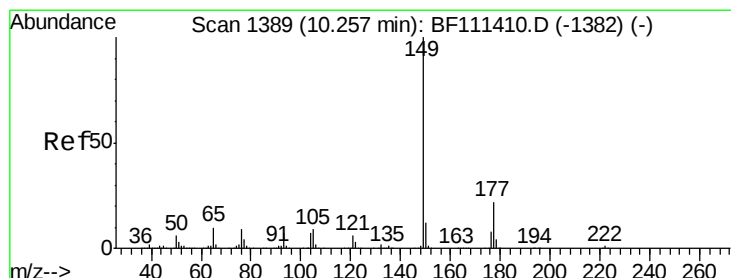
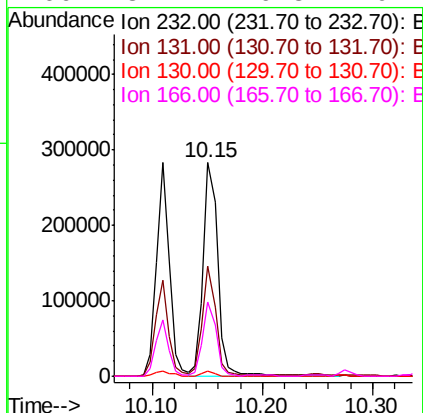
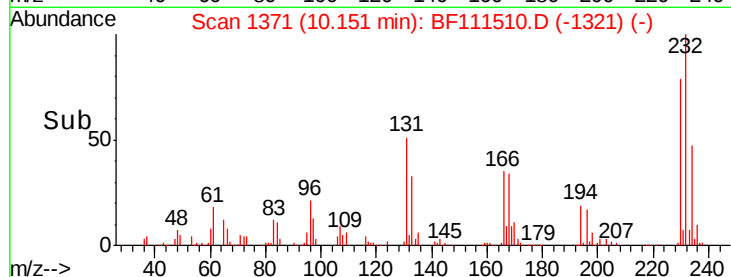
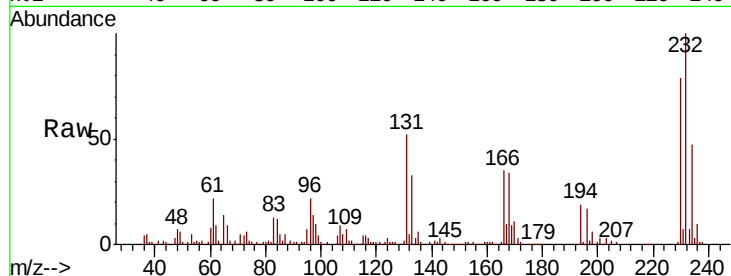




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 34.513 ng  
 RT: 10.15 min Scan# 1371  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

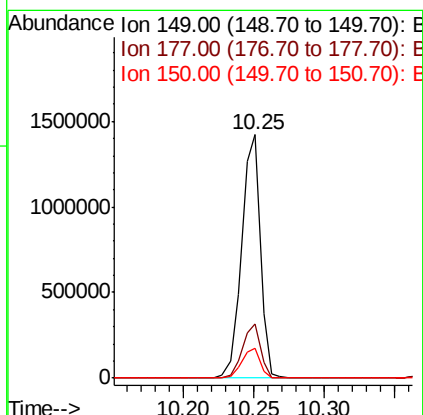
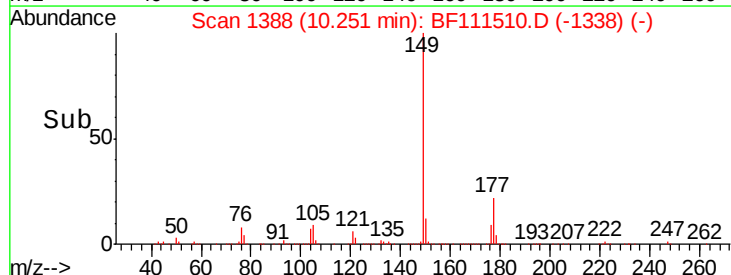
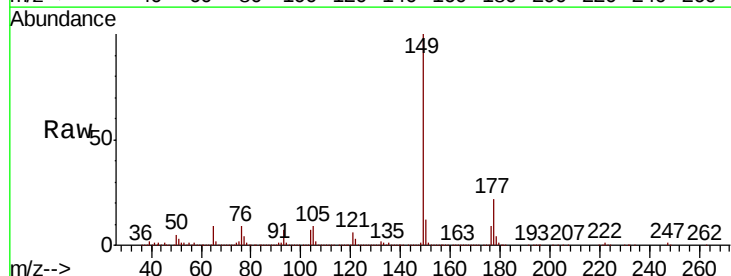
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

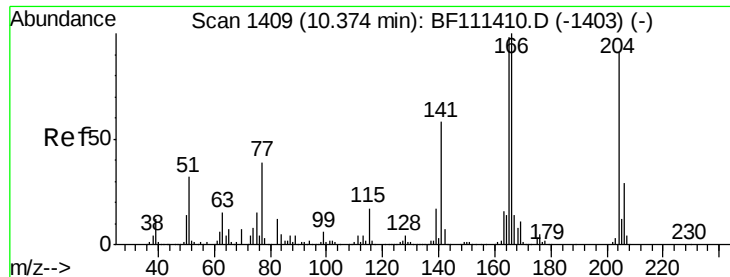
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 232   | Resp: | 250932 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 47.5  | 40.9  | 61.3   |
| 130      | 2.4   | 2.0   | 3.0    |
| 166      | 32.7  | 26.8  | 40.2   |



#60  
 Diethylphthalate  
 Concen: 39.823 ng  
 RT: 10.25 min Scan# 1388  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 149   | Resp: | 1308878 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 177      | 22.1  | 18.3  | 27.5    |
| 150      | 12.3  | 10.6  | 15.8    |

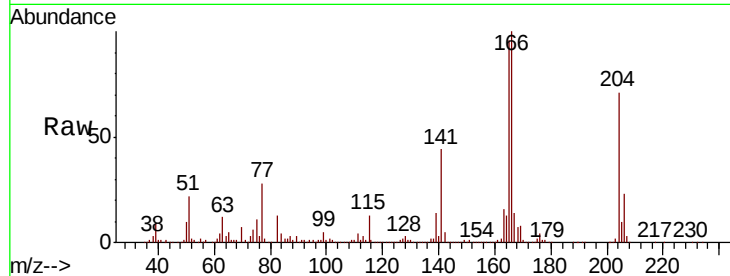




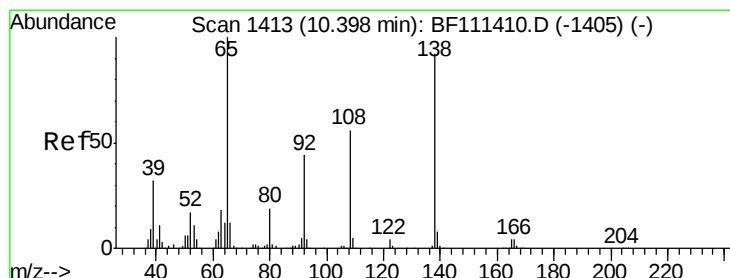
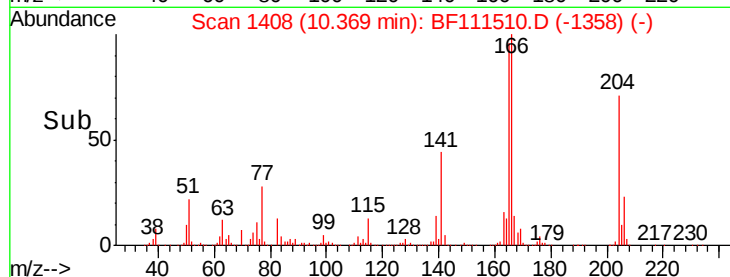
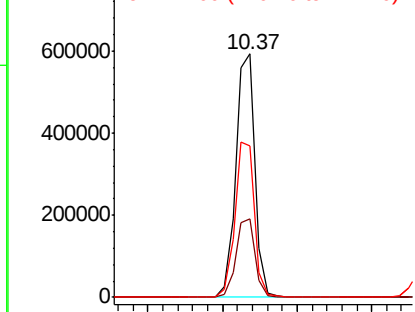
#61  
4-Chlorophenyl-phenylether  
Concen: 38.056 ng  
RT: 10.37 min Scan# 1408  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS006-1824-01MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.2  | 26.6  | 39.8  |
| 141     | 62.0  | 52.6  | 78.8  |

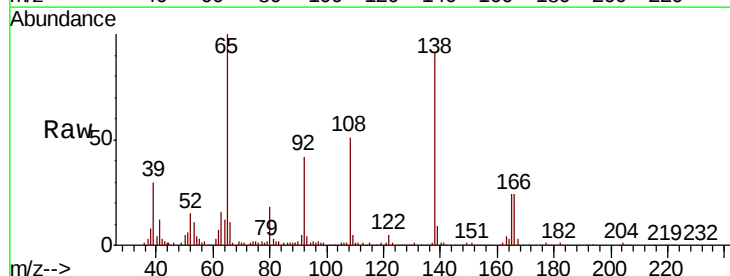


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

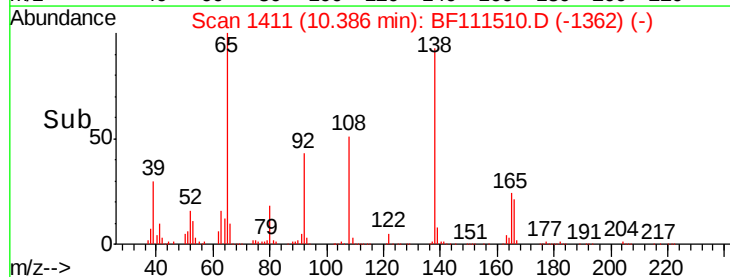
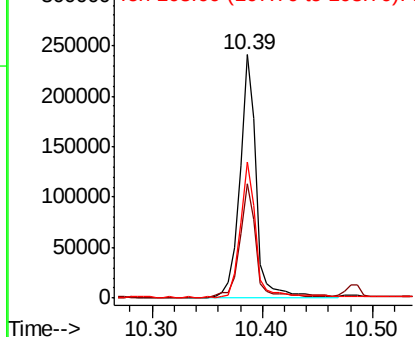


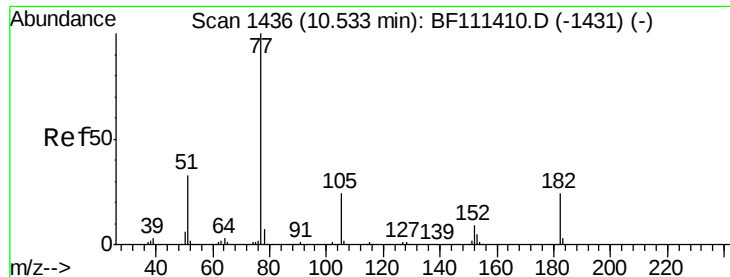
#62  
4-Nitroaniline  
Concen: 28.641 ng  
RT: 10.39 min Scan# 1411  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 46.8  | 29.9  | 69.9  |
| 108     | 55.9  | 43.2  | 83.2  |



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: 37.577 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

Tgt Ion: 77 Resp: 1217580

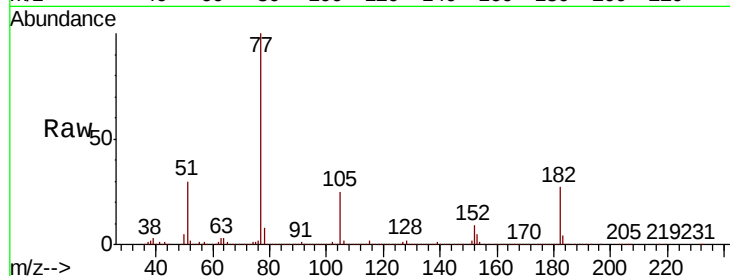
Ion Ratio Lower Upper

77 100

182 26.6 4.9 44.9

105 24.9 6.0 46.0

51 29.9 14.7 54.7

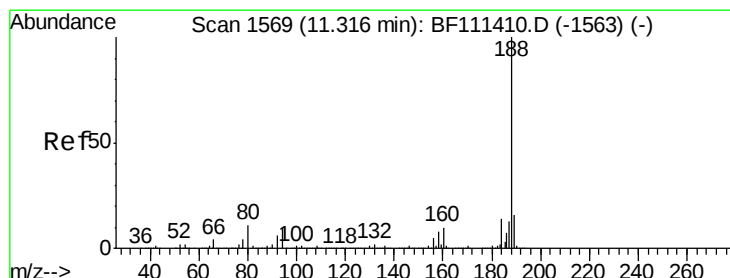
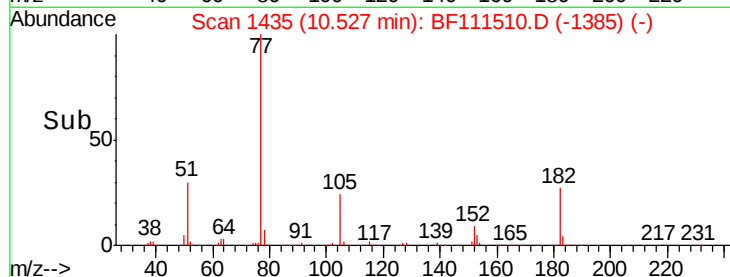
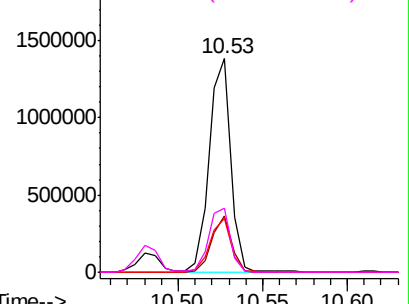


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

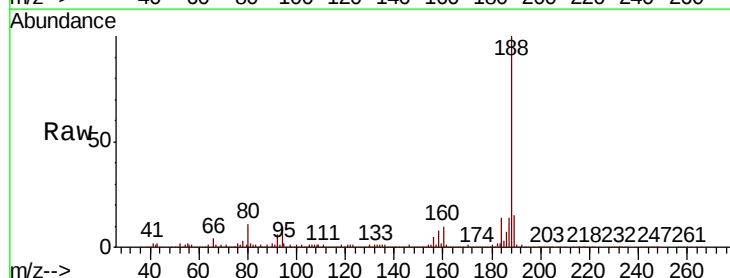
Tgt Ion: 188 Resp: 629637

Ion Ratio Lower Upper

188 100

94 10.2 9.6 14.4

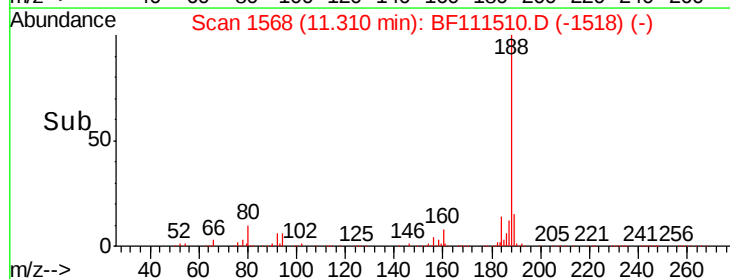
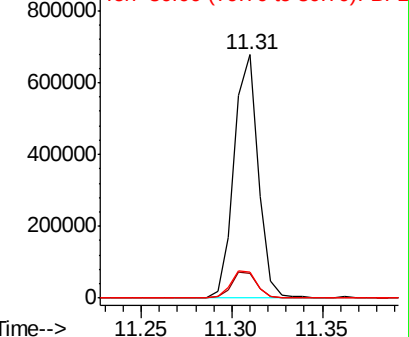
80 10.7 9.8 14.6

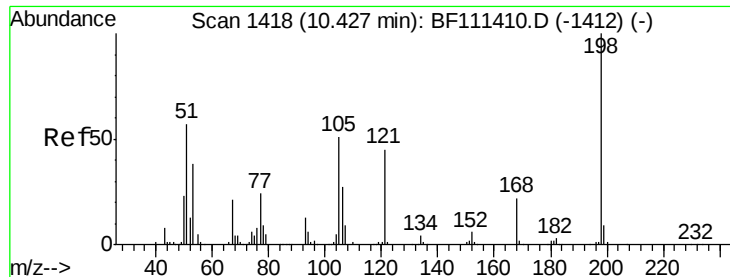


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

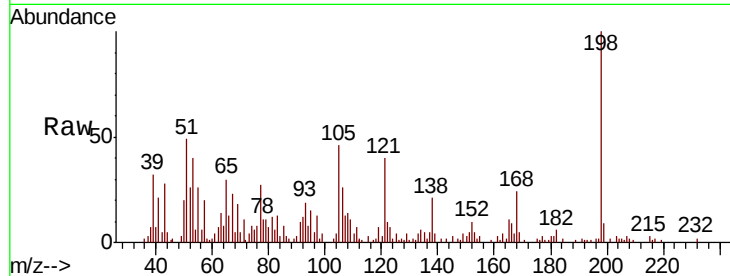




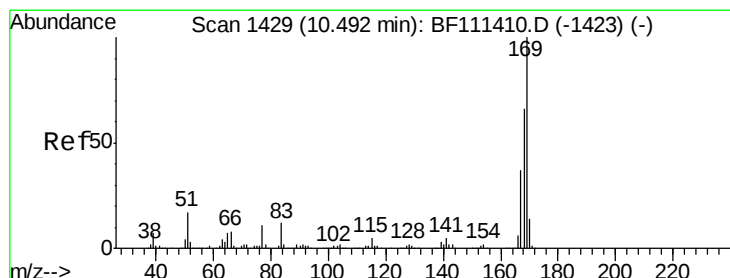
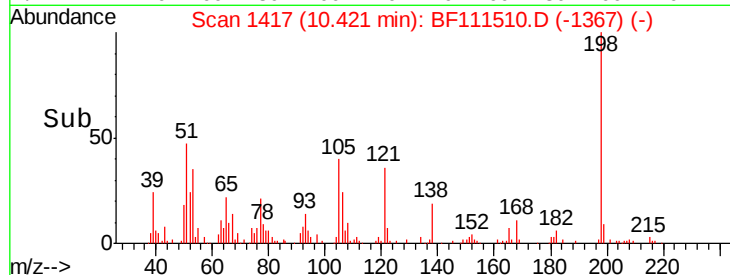
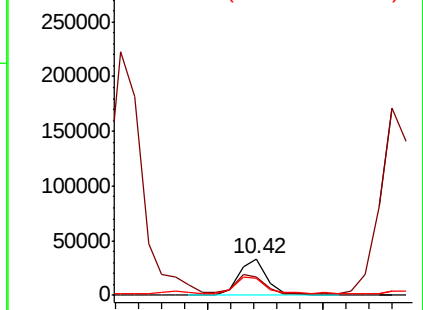
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.105 ng  
 RT: 10.42 min Scan# 1417  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

Tgt Ion:198 Resp: 28811  
 Ion Ratio Lower Upper  
 198 100  
 51 49.2 48.0 88.0  
 105 46.2 34.0 74.0

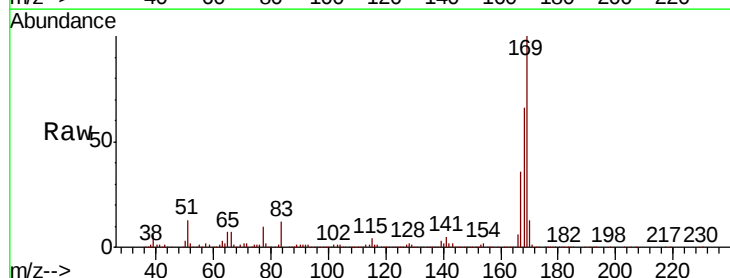


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

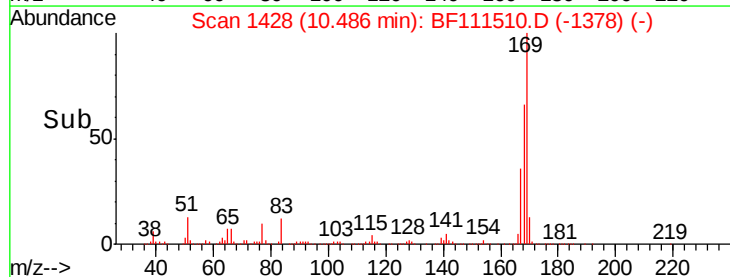
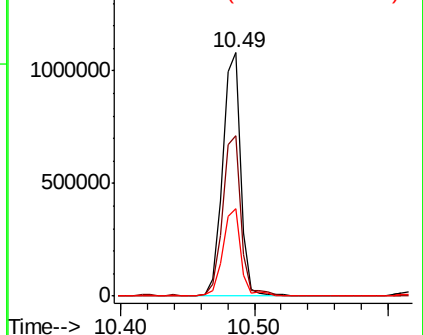


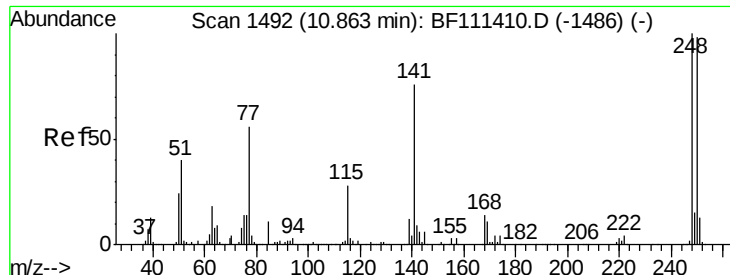
#66  
 n-Nitrosodiphenylamine  
 Concen: 47.763 ng  
 RT: 10.49 min Scan# 1428  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Tgt Ion:169 Resp: 1037076  
 Ion Ratio Lower Upper  
 169 100  
 168 66.1 54.4 81.6  
 167 36.0 30.5 45.7



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

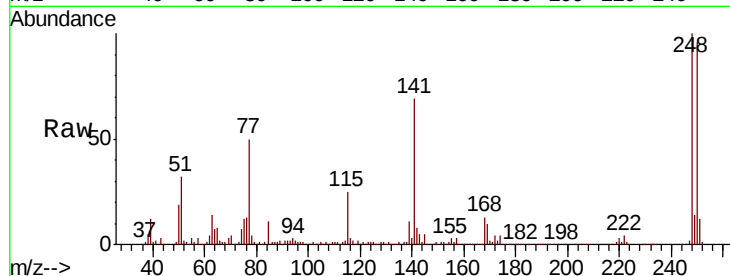




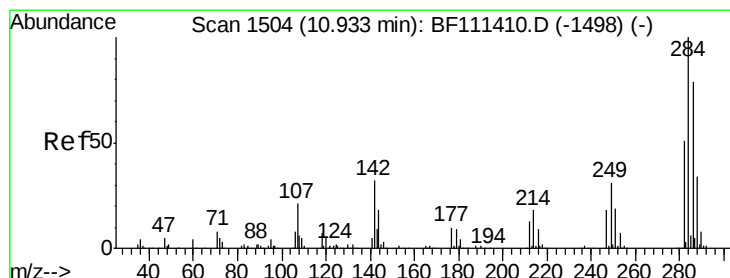
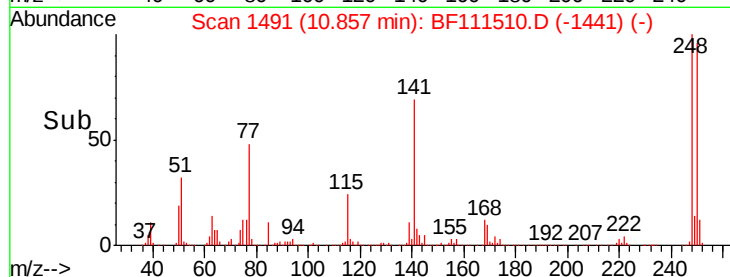
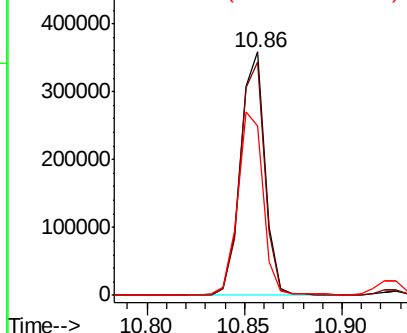
#67  
4-Bromophenyl-phenylether  
Concen: 46.003 ng  
RT: 10.86 min Scan# 1491  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS006-1824-01MS

Tgt Ion:248 Resp: 312189  
Ion Ratio Lower Upper  
248 100  
250 96.0 77.0 115.4  
141 69.4 63.0 94.6

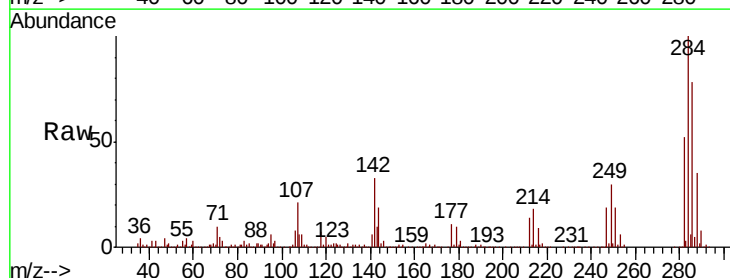


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

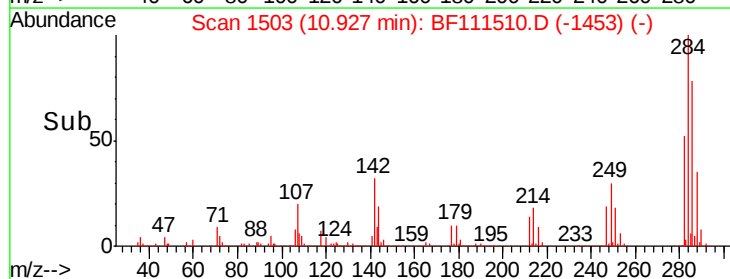
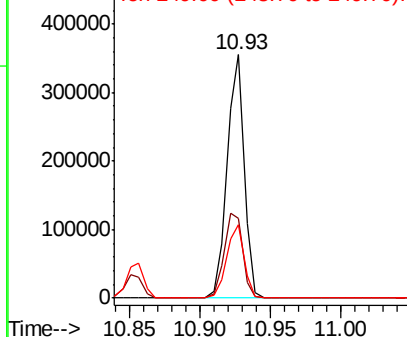


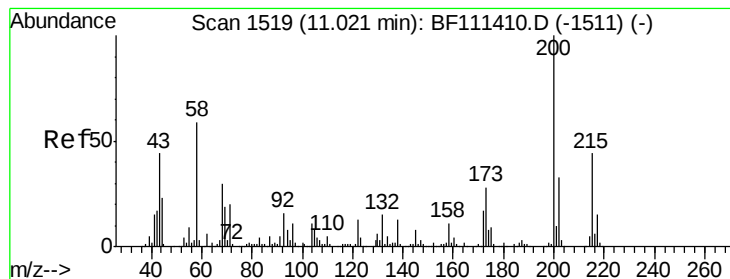
#68  
Hexachlorobenzene  
Concen: 42.841 ng  
RT: 10.93 min Scan# 1503  
Delta R.T. -0.01 min  
Lab File: BF111510.D  
Acq: 16 Dec 2018 16:00

Tgt Ion:284 Resp: 299060  
Ion Ratio Lower Upper  
284 100  
142 32.7 27.4 41.2  
249 30.2 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: 44.284 ng

RT: 11.02 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

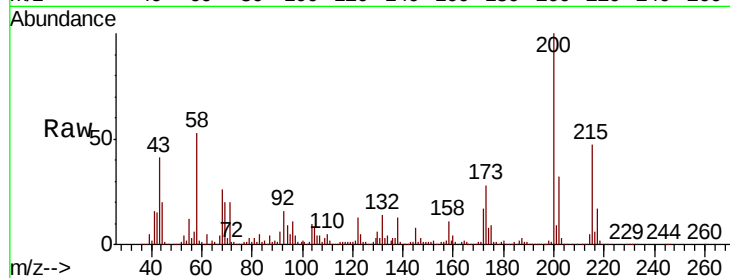
Tgt Ion:200 Resp: 277883

Ion Ratio Lower Upper

200 100

173 27.5 10.1 50.1

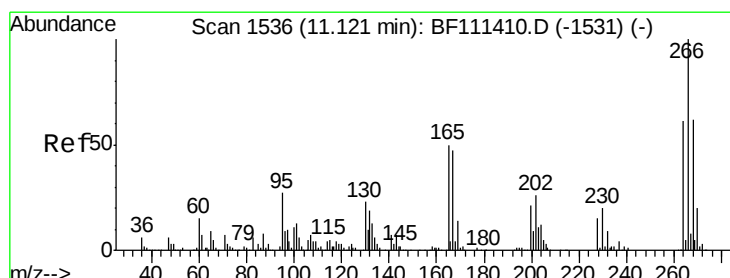
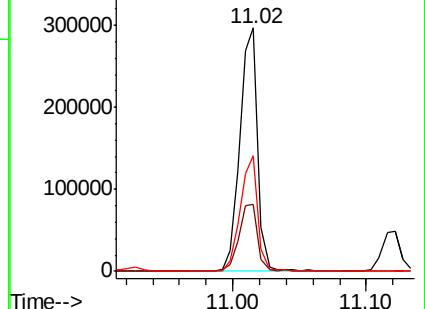
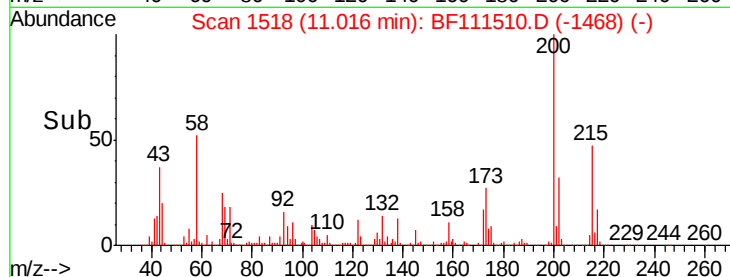
215 47.4 26.9 66.9



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: 61.629 ng

RT: 11.12 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

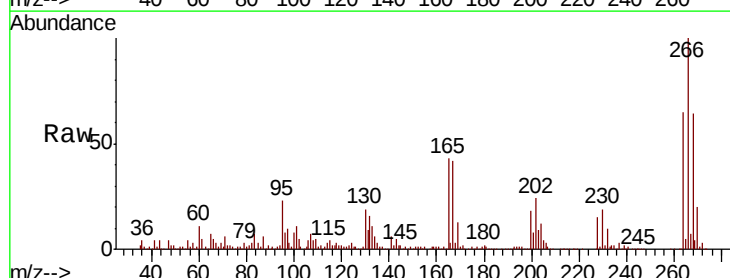
Tgt Ion:266 Resp: 263870

Ion Ratio Lower Upper

266 100

268 64.3 47.9 71.9

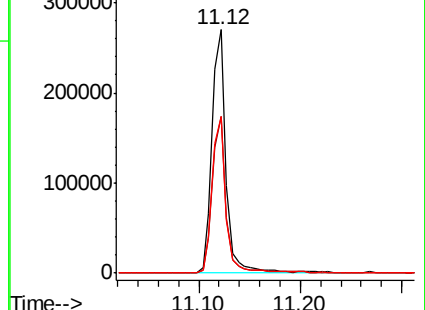
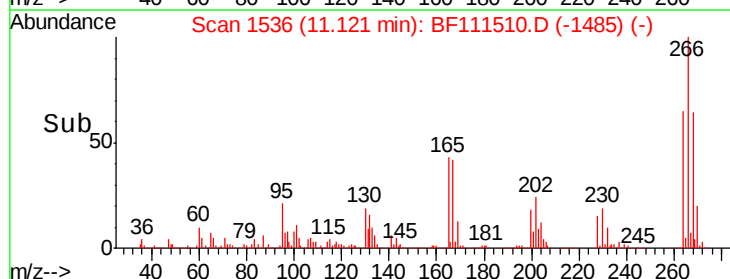
264 64.5 49.1 73.7

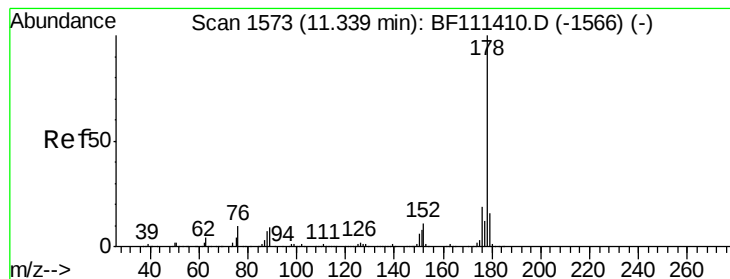


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 47.719 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

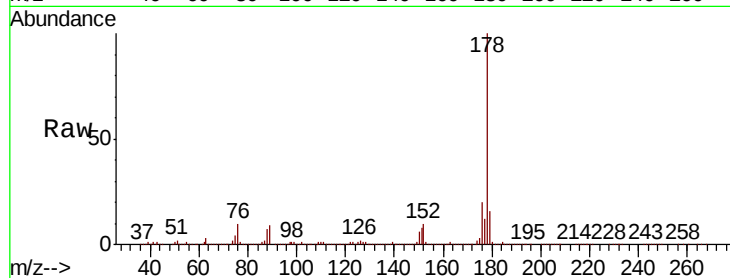
Tgt Ion:178 Resp: 1548182

Ion Ratio Lower Upper

178 100

176 19.6 18.1 27.1

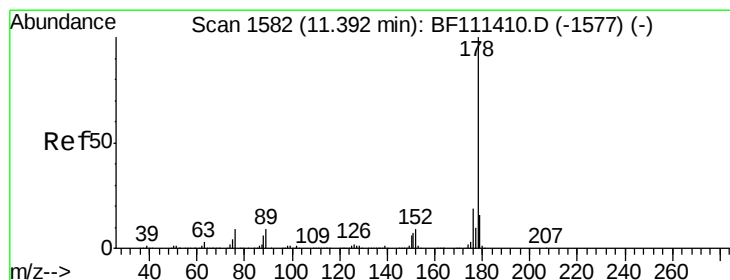
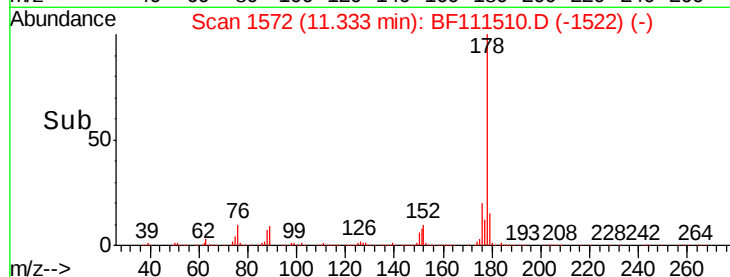
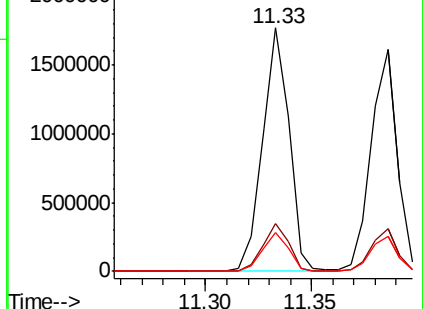
179 15.8 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 42.827 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

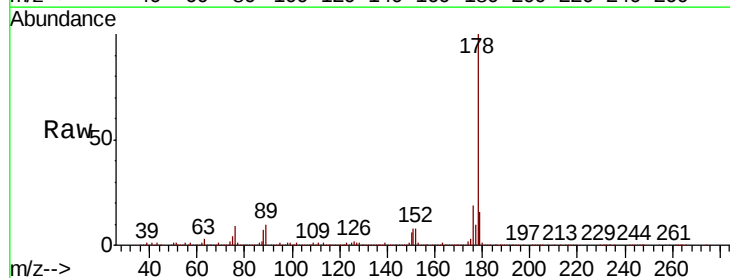
Tgt Ion:178 Resp: 1421012

Ion Ratio Lower Upper

178 100

176 19.4 17.2 25.8

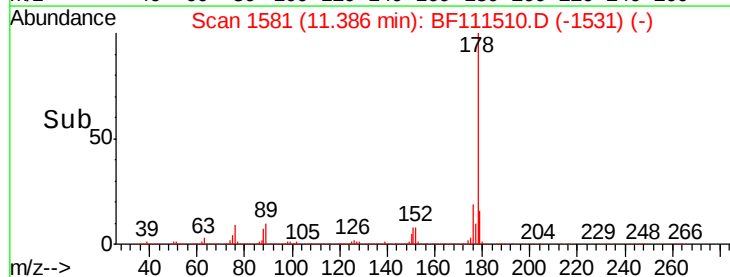
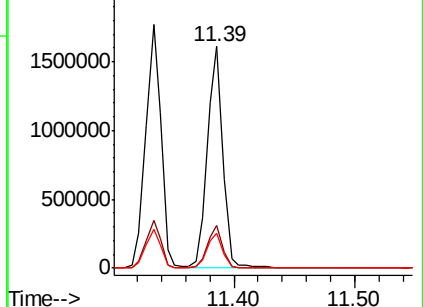
179 15.9 13.8 20.8

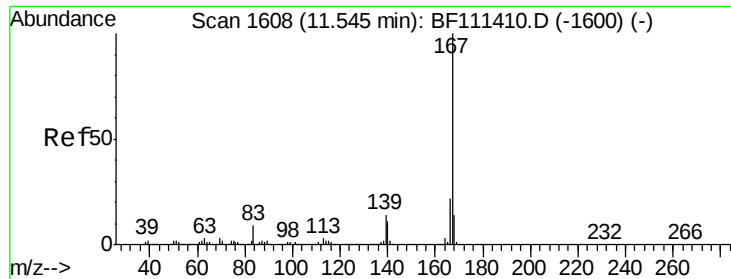


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

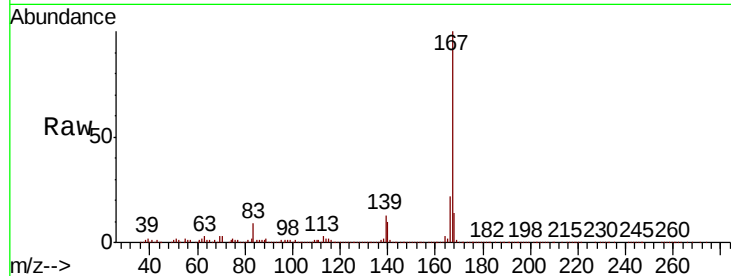




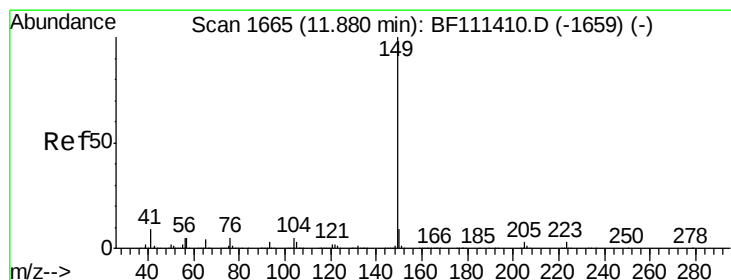
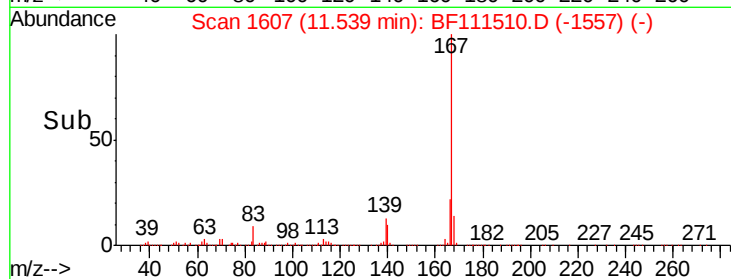
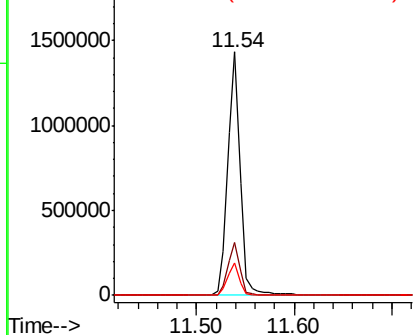
#73  
 Carbazole  
 Concen: 36.962 ng  
 RT: 11.54 min Scan# 1607  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

Tgt Ion:167 Resp: 1268215  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 19.3 28.9  
 139 13.3 11.9 17.9

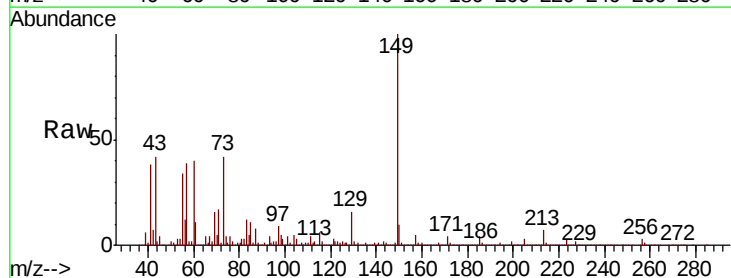


Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

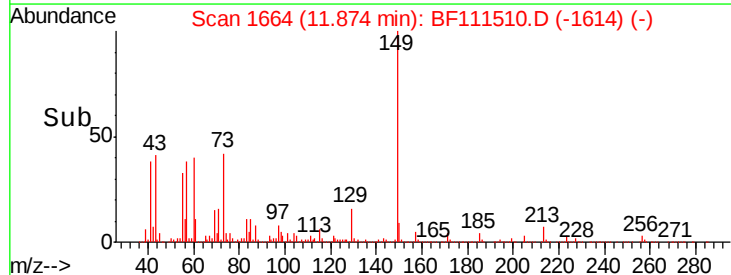
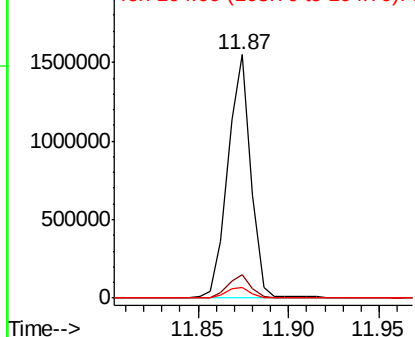


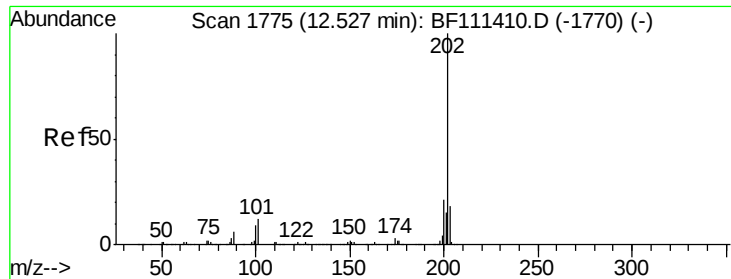
#74  
 Di-n-butylphthalate  
 Concen: 35.186 ng  
 RT: 11.87 min Scan# 1664  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Tgt Ion:149 Resp: 1344545  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 8.8 13.2  
 104 4.5 4.5 6.7



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





#75

Fluoranthene

Concen: 41.073 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

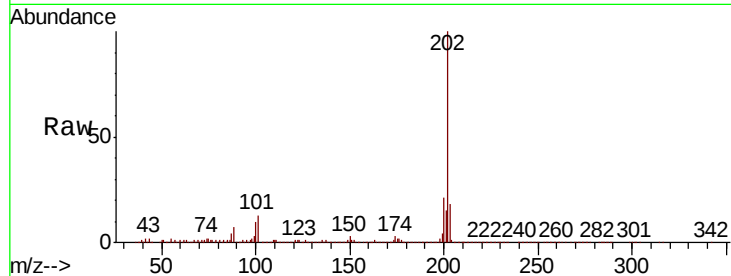
Tgt Ion:202 Resp: 1303649

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.8

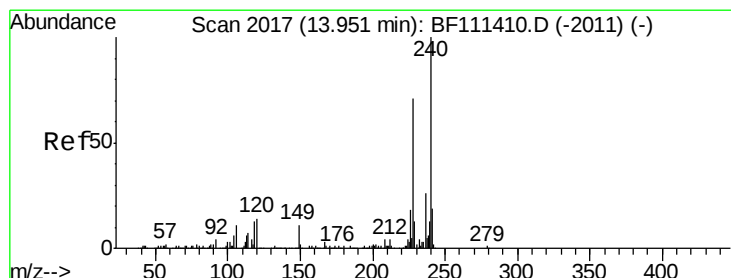
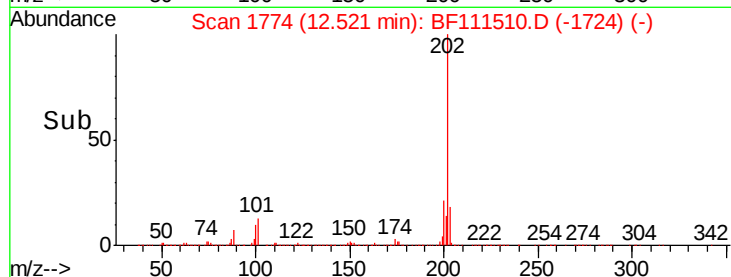
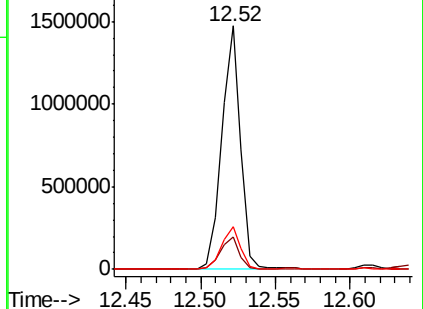
203 17.7 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

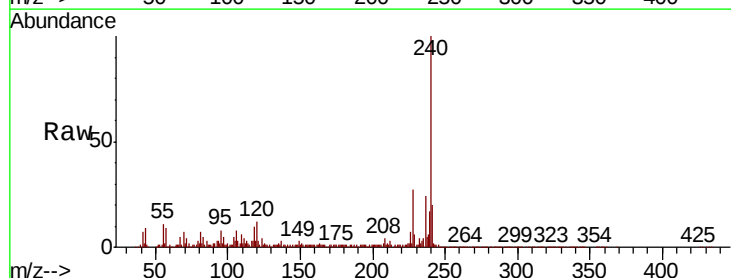
Tgt Ion:240 Resp: 372205

Ion Ratio Lower Upper

240 100

120 12.2 12.2 18.2

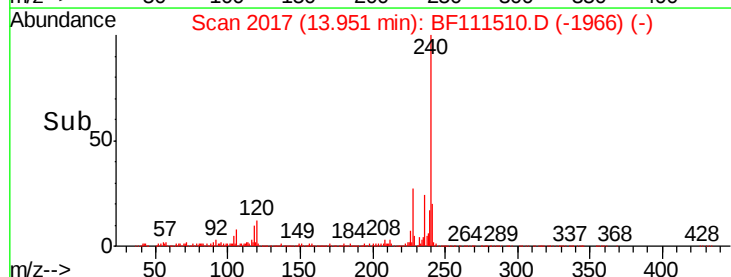
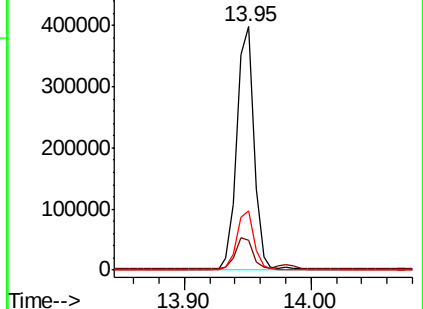
236 24.5 20.2 30.2

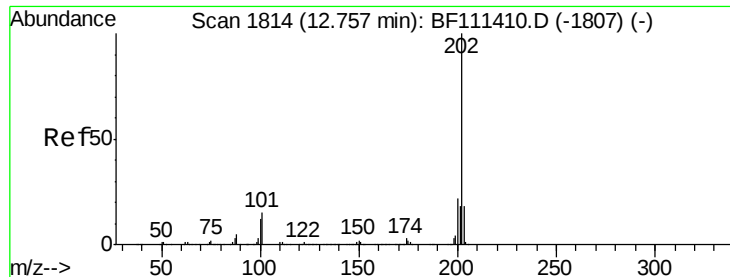


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 52.473 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

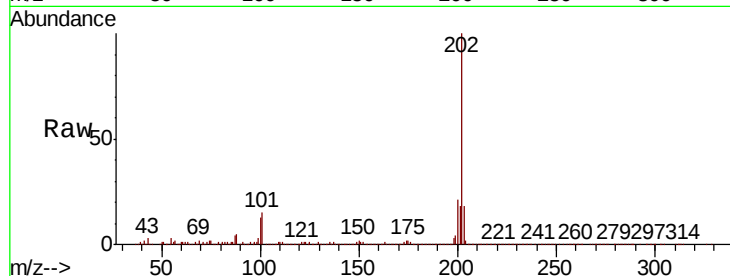
Tgt Ion:202 Resp: 1376977

Ion Ratio Lower Upper

202 100

200 21.3 19.0 28.4

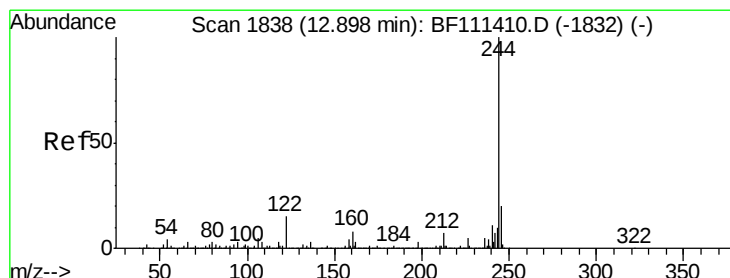
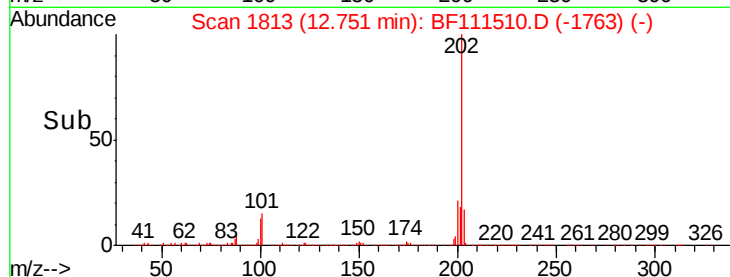
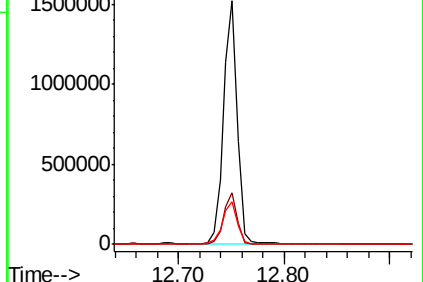
203 17.7 15.2 22.8



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: 89.676 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

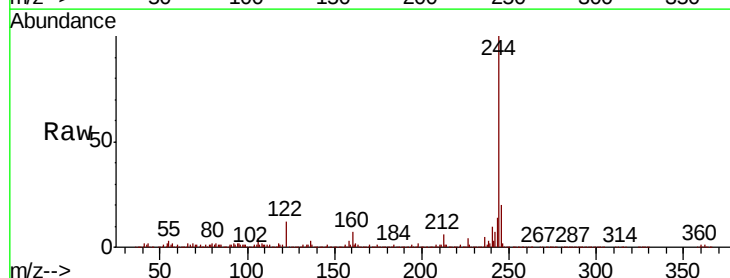
Tgt Ion:244 Resp: 1421403

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

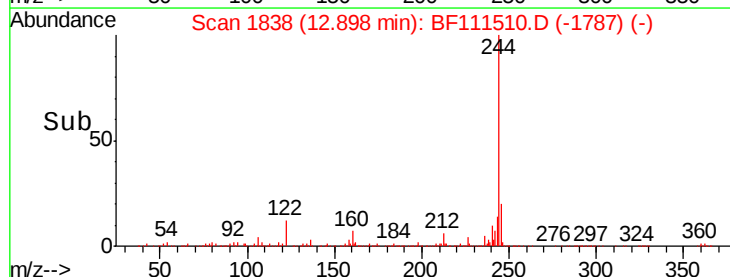
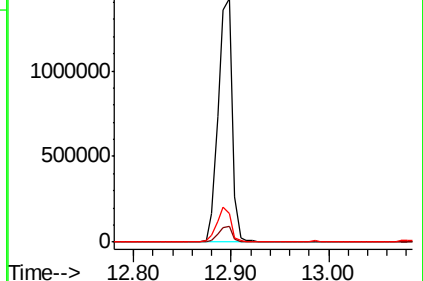
122 12.0 13.1 19.7#

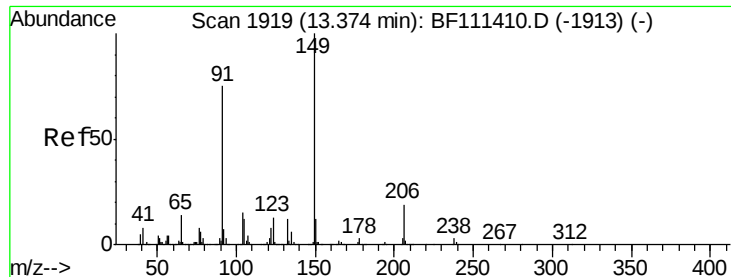


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Butylbenzylphthalate

Concen: 38.581 ng

RT: 13.37 min Scan# 1918

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

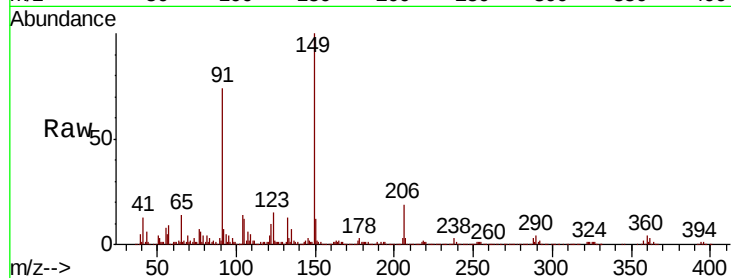
Tgt Ion:149 Resp: 493484

Ion Ratio Lower Upper

149 100

91 74.0 63.8 95.6

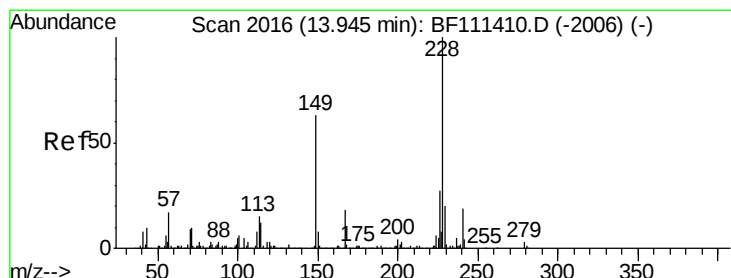
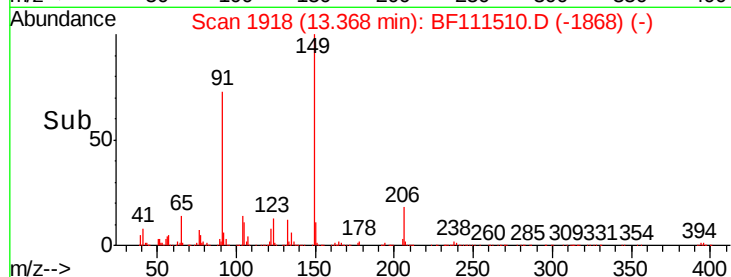
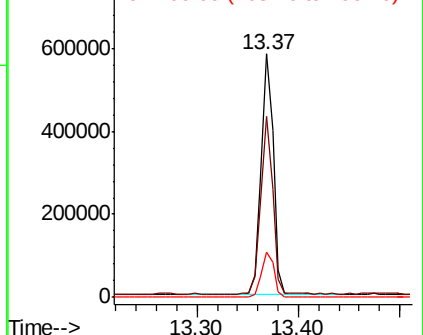
206 18.5 15.1 22.7



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: 44.811 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

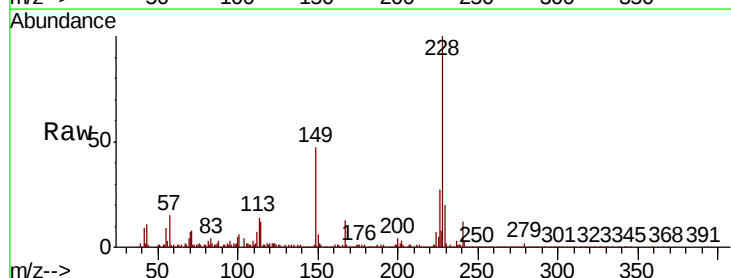
Tgt Ion:228 Resp: 906897

Ion Ratio Lower Upper

228 100

226 27.2 22.6 34.0

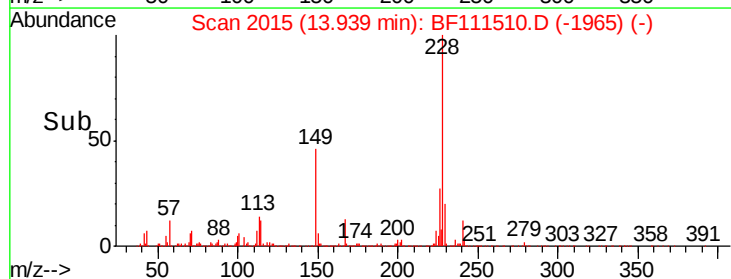
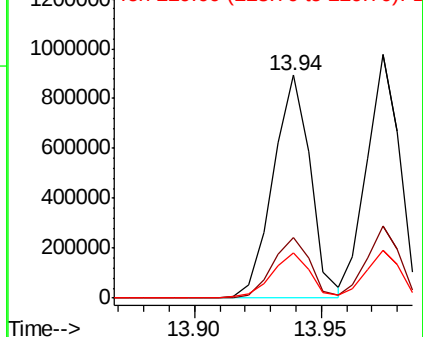
229 20.3 16.3 24.5

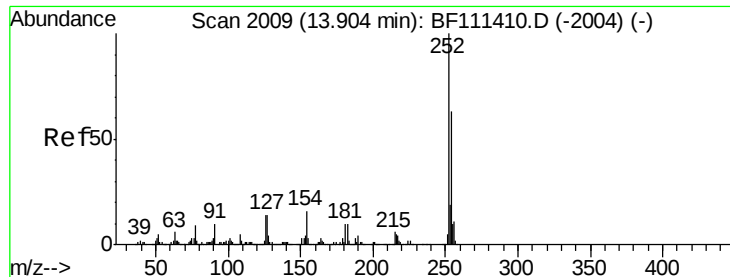


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

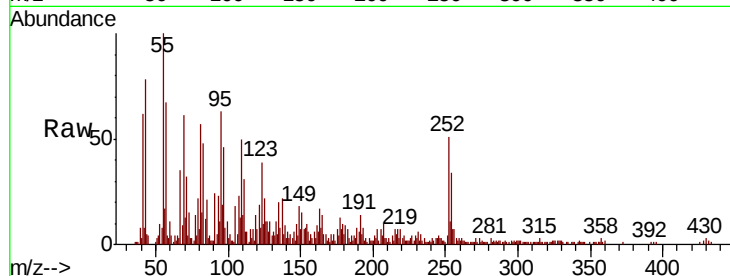




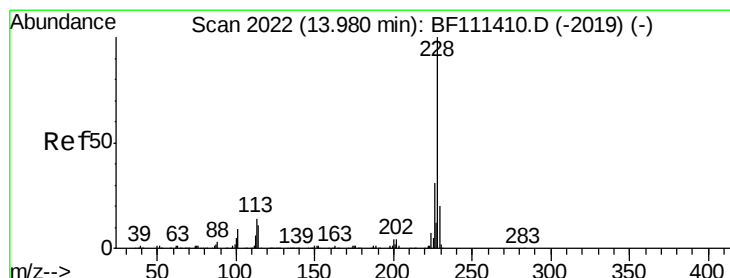
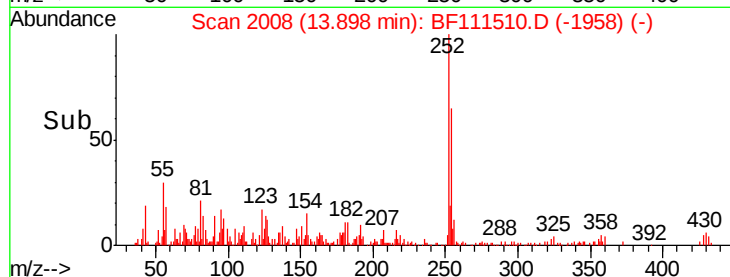
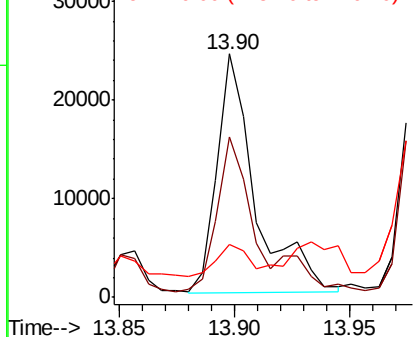
#82  
 3,3'-Dichlorobenzidine  
 Concen: 3.413 ng  
 RT: 13.90 min Scan# 2008  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

Tgt Ion: 252 Resp: 28082  
 Ion Ratio Lower Upper  
 252 100  
 254 65.9 52.7 79.1  
 126 21.9 11.1 16.7#

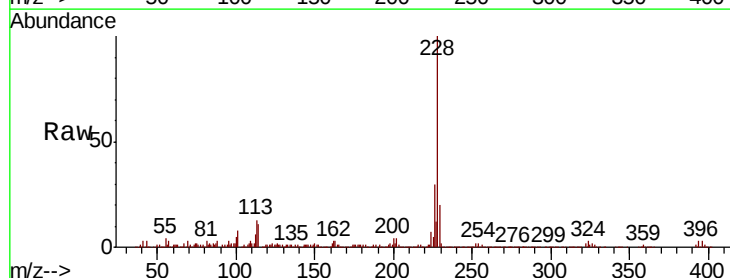


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

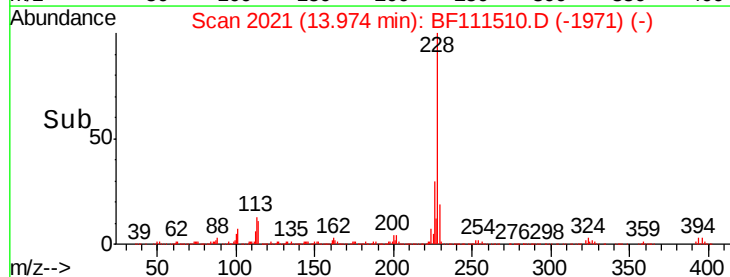
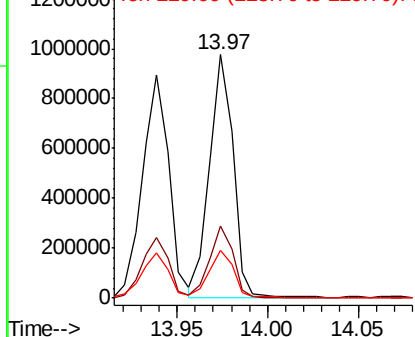


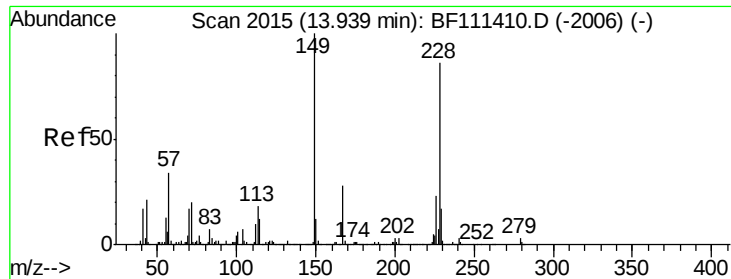
#83  
 Chrysene  
 Concen: 41.584 ng  
 RT: 13.97 min Scan# 2021  
 Delta R.T. -0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Tgt Ion: 228 Resp: 886567  
 Ion Ratio Lower Upper  
 228 100  
 226 29.7 25.3 37.9  
 229 19.7 17.2 25.8



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 41.699 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

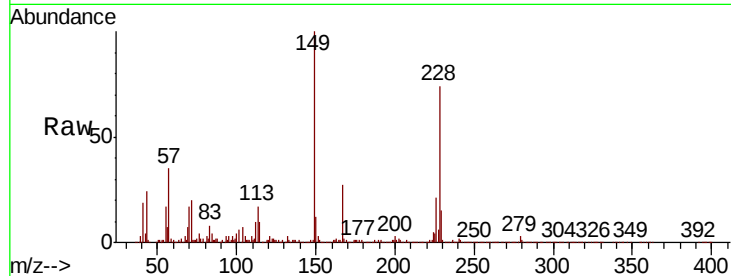
Tgt Ion:149 Resp: 681251

Ion Ratio Lower Upper

149 100

167 26.8 22.5 33.7

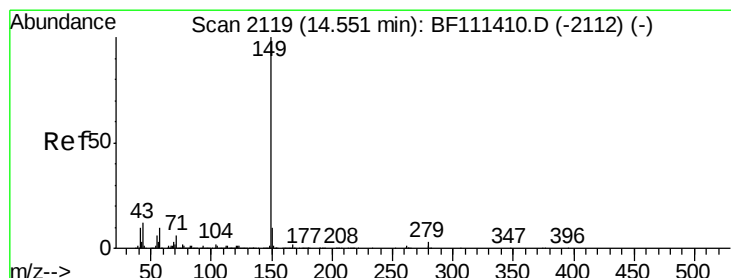
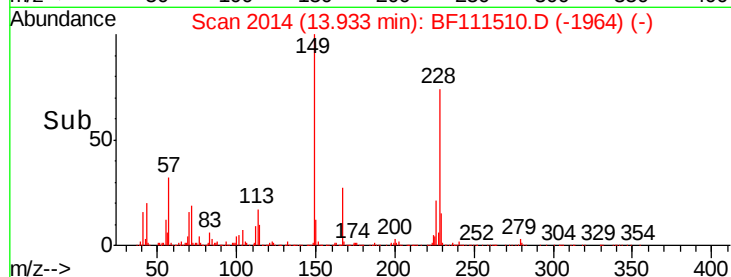
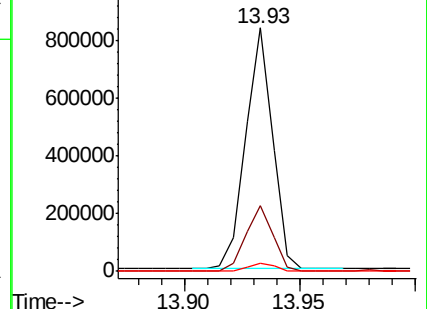
279 3.3 2.6 4.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 40.677 ng

RT: 14.54 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

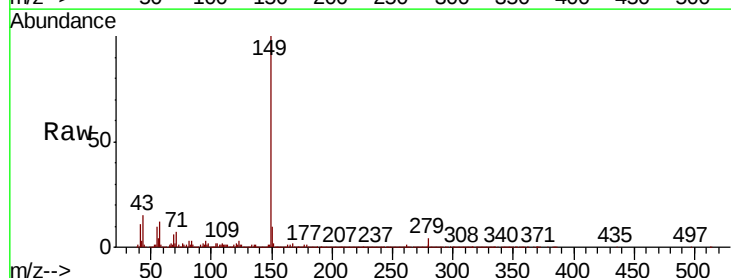
Tgt Ion:149 Resp: 1120953

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

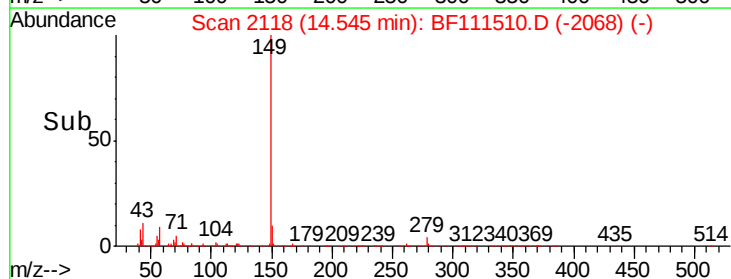
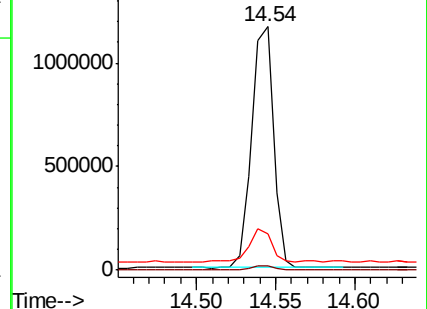
43 14.5 10.9 16.3

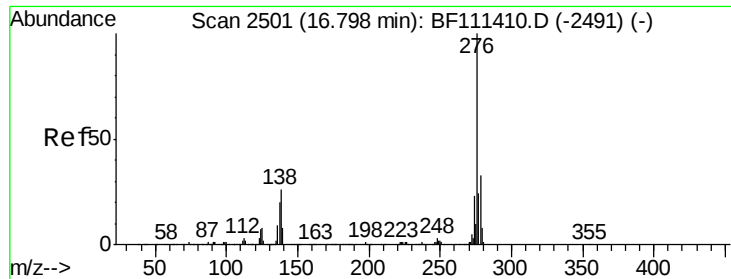


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

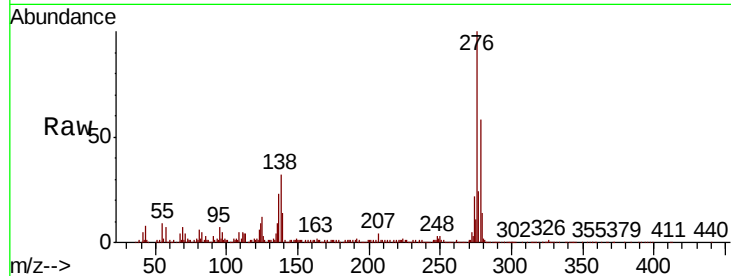




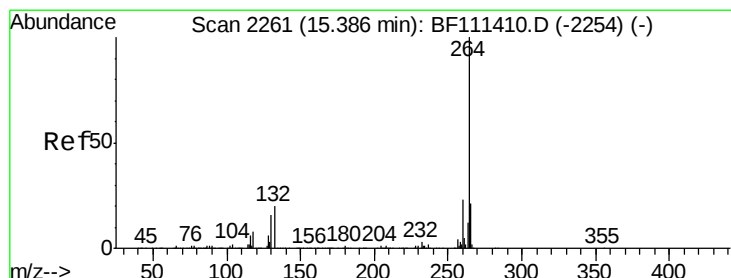
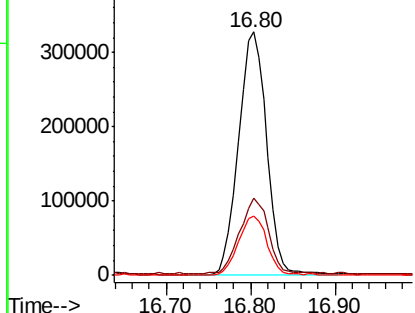
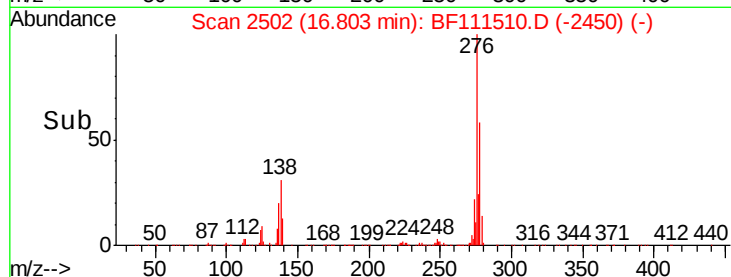
#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 48.899 ng  
 RT: 16.80 min Scan# 2502  
 Delta R.T. 0.01 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 31.6  | 27.8  | 41.6  |
| 277     | 24.4  | 20.1  | 30.1  |

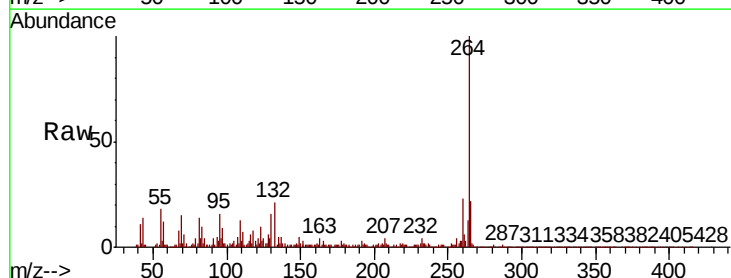


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

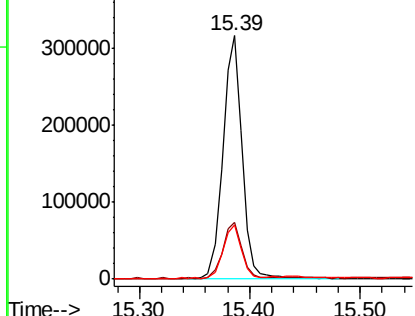
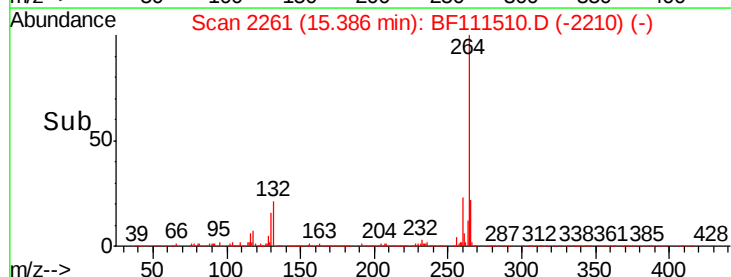


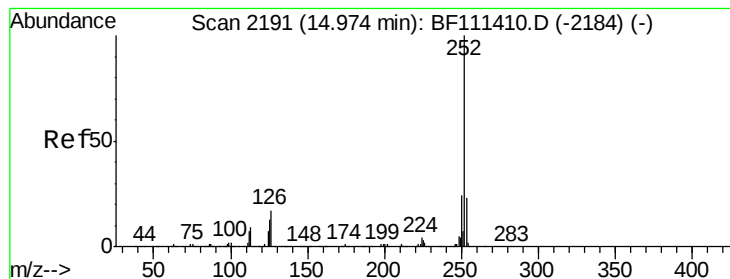
#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.39 min Scan# 2261  
 Delta R.T. -0.00 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 18.3  | 27.5  |
| 265     | 22.4  | 17.7  | 26.5  |



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





#88

Benzo(b)fluoranthene

Concen: 34.537 ng

RT: 14.97 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

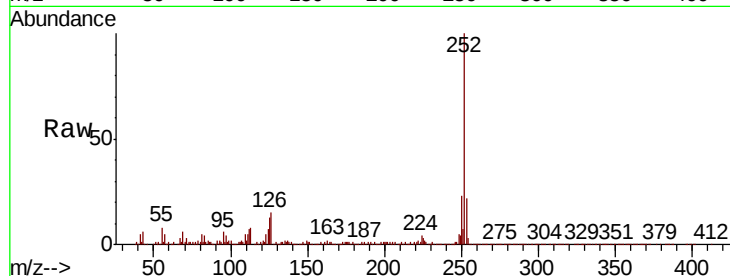
Tgt Ion:252 Resp: 769361

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

125 12.9 10.4 15.6

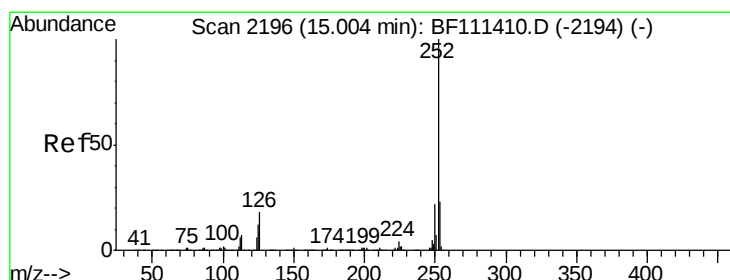
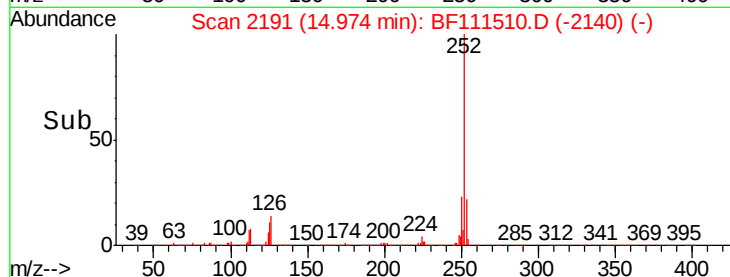
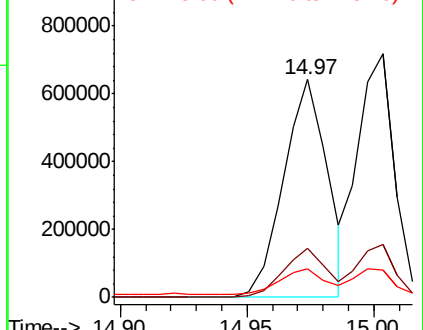


Abundance

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: 33.794 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

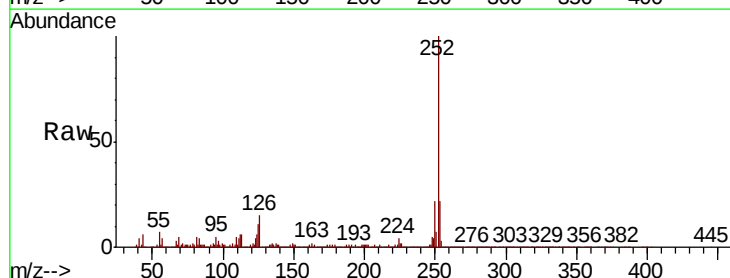
Tgt Ion:252 Resp: 719321

Ion Ratio Lower Upper

252 100

253 21.7 18.1 27.1

125 11.3 9.8 14.8

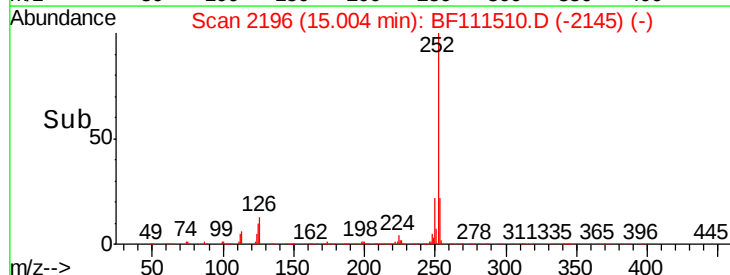
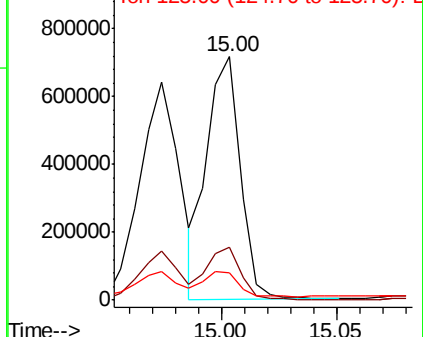


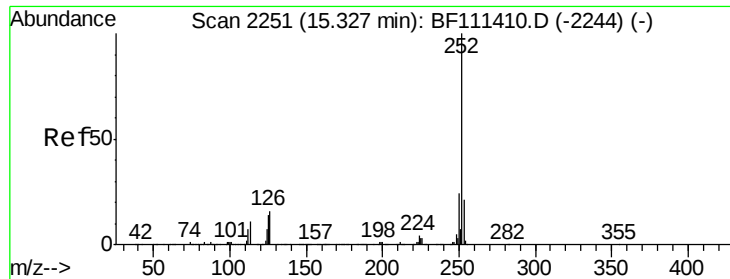
Abundance

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





#90

Benzo(a)pyrene

Concen: 41.804 ng

RT: 15.33 min Scan# 2251

Delta R.T. -0.00 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1824-01MS

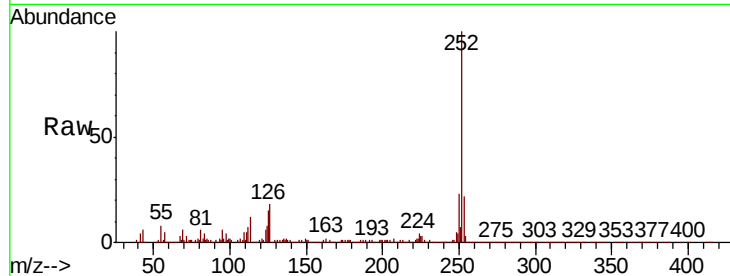
Tgt Ion:252 Resp: 839754

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

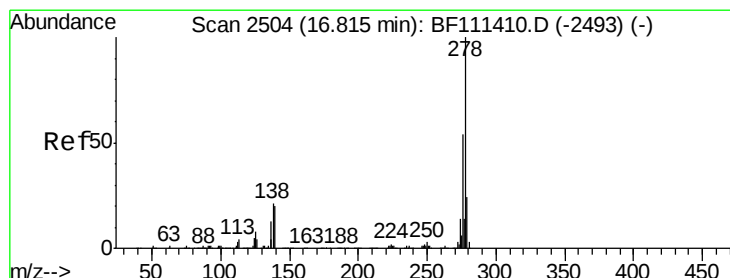
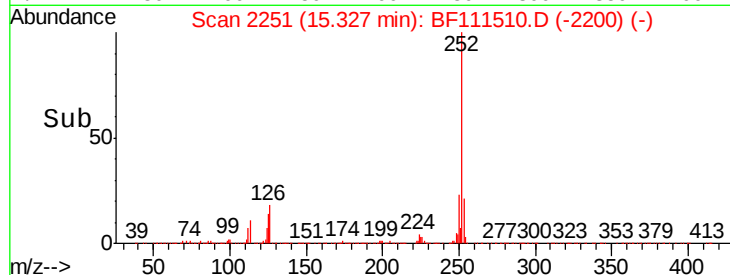
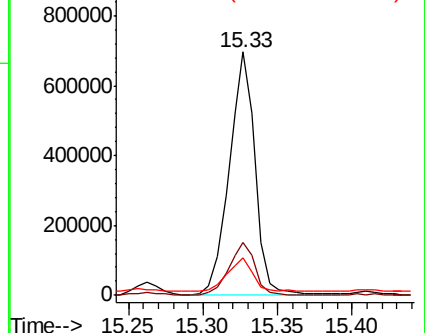
125 15.3 12.3 18.5



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



#91

Dibenzo(a,h)anthracene

Concen: 39.929 ng

RT: 16.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BF111510.D

Acq: 16 Dec 2018 16:00

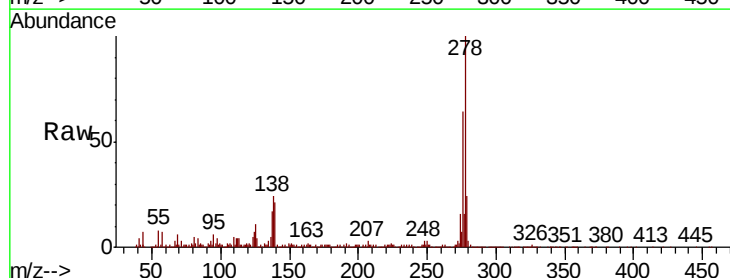
Tgt Ion:278 Resp: 632718

Ion Ratio Lower Upper

278 100

139 20.9 18.2 27.4

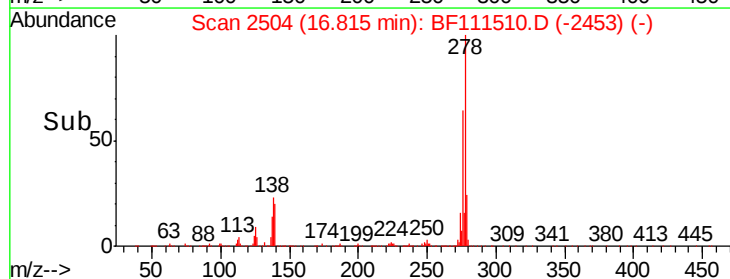
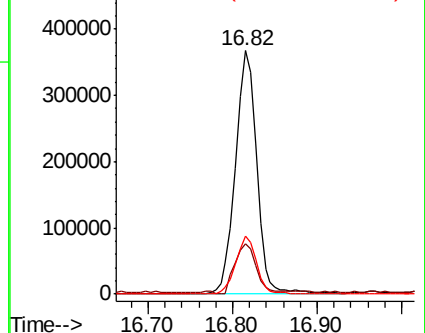
279 24.1 19.0 28.6

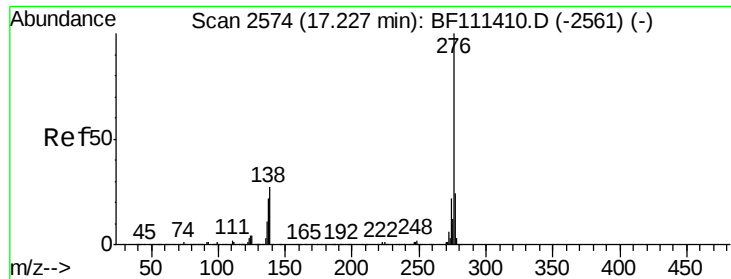


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92  
 Benzo(g,h,i)perylene  
 Concen: 40.305 ng  
 RT: 17.23 min Scan# 2574  
 Delta R.T. -0.00 min  
 Lab File: BF111510.D  
 Acq: 16 Dec 2018 16:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1824-01MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 276   | Resp: | 626910 |
| Ion      | Ratio | Lower | Upper  |
| 276      | 100   |       |        |
| 277      | 23.7  | 19.2  | 28.8   |
| 138      | 30.0  | 24.9  | 37.3   |

