

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\  
 Data File : BF115016.D  
 Acq On : 13 Jun 2019 21:50  
 Operator : HP/JU  
 Sample : K3345-10MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5 061219MSD

Quant Time: Jun 14 03:50:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 12 15:42:37 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.65  | 152  | 264367   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.93  | 136  | 1021655  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.68  | 164  | 486921   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.15 | 188  | 882921   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.77 | 240  | 463698   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.14 | 264  | 535542   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.26  | 112 | 1047330 | 66.15  | ng | 0.00 |
| 7) Phenol-d6             | 6.29  | 99  | 885800  | 46.38  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.22  | 82  | 1482783 | 87.36  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.46 | 330 | 608230  | 116.65 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.01  | 172 | 2693806 | 93.76  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.73 | 244 | 2460077 | 99.79  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.33 | 88  | 141464  | 19.089 | ng | 98     |
| 3) Pyridine                    | 3.01 | 79  | 339273  | 16.261 | ng | 100    |
| 4) n-Nitrosodimethylamine      | 2.93 | 42  | 150504  | 20.317 | ng | 100    |
| 6) Aniline                     | 6.31 | 93  | 391767  | 15.317 | ng | # 81   |
| 8) 2-Chlorophenol              | 6.43 | 128 | 664773  | 37.030 | ng | 97     |
| 9) Benzaldehyde                | 6.19 | 77  | 196733  | 13.194 | ng | 99     |
| 10) Phenol                     | 6.30 | 94  | 351275  | 16.440 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 6.39 | 93  | 702257  | 42.343 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.59 | 146 | 794783  | 37.903 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.66 | 146 | 811606  | 38.499 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.82 | 146 | 754029  | 37.992 | ng | 98     |
| 15) Benzyl Alcohol             | 6.79 | 79  | 429108  | 29.988 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.93 | 45  | 922626  | 41.565 | ng | 99     |
| 17) 2-Methylphenol             | 6.92 | 107 | 478945  | 31.985 | ng | 99     |
| 18) Hexachloroethane           | 7.16 | 117 | 286853  | 37.679 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.07 | 70  | 504022  | 43.436 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.07 | 107 | 503797  | 28.269 | ng | 93     |
| 22) Acetophenone               | 7.06 | 105 | 1074612 | 46.466 | ng | 97     |
| 24) Nitrobenzene               | 7.23 | 77  | 776023  | 44.936 | ng | 97     |
| 25) Isophorone                 | 7.47 | 82  | 1437861 | 45.230 | ng | 100    |
| 26) 2-Nitrophenol              | 7.55 | 139 | 414948  | 43.108 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.60 | 122 | 618191  | 44.519 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.69 | 93  | 907888  | 44.514 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.79 | 162 | 625837  | 42.663 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.87 | 180 | 727290  | 42.908 | ng | 100    |
| 31) Naphthalene                | 7.95 | 128 | 2414160 | 49.942 | ng | 99     |
| 32) Benzoic acid               | 7.68 | 122 | 97750   | 9.729  | ng | 96     |
| 33) 4-Chloroaniline            | 8.00 | 127 | 303724  | 13.612 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.07 | 225 | 392425  | 41.652 | ng | 100    |
| 35) Caprolactam                | 8.37 | 113 | 34038   | 6.967  | ng | 98     |
| 36) 4-Chloro-3-methylphenol    | 8.49 | 107 | 608388  | 41.154 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.65 | 142 | 1533309 | 47.558 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.74 | 142 | 1459991 | 47.913 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.81 | 216 | 656111  | 45.609 | ng | 99     |

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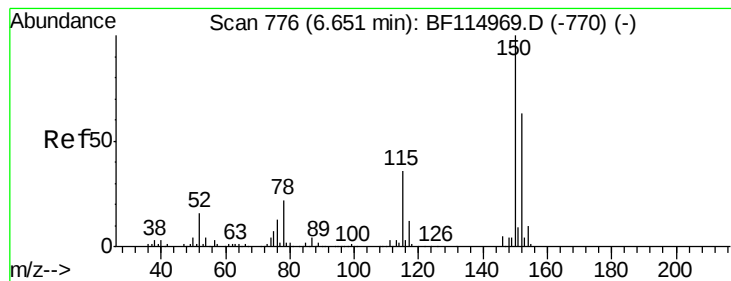
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5\_061219MSD

Quant Time: Jun 14 03:50:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 12 15:42:37 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.80  | 237  | 448603   | 63.285 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 8.92  | 196  | 453443   | 42.202 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 8.97  | 196  | 477277   | 43.955 | ng    | 99       |
| 46) 1,1'-Biphenyl              | 9.10  | 154  | 1765643  | 45.251 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.13  | 162  | 1401573  | 44.420 | ng    | 100      |
| 48) 2-Nitroaniline             | 9.22  | 65   | 407552   | 43.700 | ng    | 97       |
| 49) Acenaphthylene             | 9.54  | 152  | 2144500  | 44.205 | ng    | 99       |
| 50) Dimethylphthalate          | 9.41  | 163  | 1673529  | 45.702 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.47  | 165  | 392087   | 47.203 | ng    | 92       |
| 52) Acenaphthene               | 9.71  | 154  | 1259639  | 45.383 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.63  | 138  | 192032   | 18.869 | ng    | 95       |
| 54) 2,4-Dinitrophenol          | 9.74  | 184  | 187675   | 46.581 | ng    | 95       |
| 55) Dibenzofuran               | 9.89  | 168  | 1869461  | 44.691 | ng    | 98       |
| 56) 4-Nitrophenol              | 9.80  | 139  | 230789   | 32.885 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 499482   | 47.244 | ng    | 96       |
| 58) Fluorene                   | 10.22 | 166  | 1323572  | 47.896 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.00 | 232  | 368006   | 41.957 | ng    | 99       |
| 60) Diethylphthalate           | 10.11 | 149  | 1612645  | 46.058 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 10.22 | 204  | 647314   | 47.215 | ng    | 98       |
| 62) 4-Nitroaniline             | 10.25 | 138  | 373764   | 36.527 | ng    | 96       |
| 63) Azobenzene                 | 10.38 | 77   | 1406044  | 45.902 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.27 | 198  | 140983   | 28.489 | ng    | 96       |
| 66) n-Nitrosodiphenylamine     | 10.34 | 169  | 1296424  | 49.122 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.70 | 248  | 444030   | 46.839 | ng    | 96       |
| 68) Hexachlorobenzene          | 10.77 | 284  | 473022   | 45.322 | ng    | # 91     |
| 69) Atrazine                   | 10.87 | 200  | 422491   | 49.651 | ng    | 98       |
| 70) Pentachlorophenol          | 10.96 | 266  | 405767   | 71.589 | ng    | 99       |
| 71) Phenanthrene               | 11.17 | 178  | 2009699  | 44.085 | ng    | 100      |
| 72) Anthracene                 | 11.23 | 178  | 2076830  | 45.159 | ng    | 100      |
| 73) Carbazole                  | 11.38 | 167  | 1825734  | 45.483 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.72 | 149  | 2295450  | 45.360 | ng    | 100      |
| 75) Fluoranthene               | 12.36 | 202  | 1927184  | 41.343 | ng    | 100      |
| 77) Benzidine                  | 12.47 | 184  | 598371   | 31.904 | ng    | 97       |
| 78) Pyrene                     | 12.58 | 202  | 1888205  | 44.700 | ng    | 100      |
| 80) Butylbenzylphthalate       | 13.21 | 149  | 895156   | 45.370 | ng    | 98       |
| 81) Benzo(a)anthracene         | 13.76 | 228  | 1542016  | 44.439 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.73 | 252  | 441549   | 33.191 | ng    | # 97     |
| 83) Chrysene                   | 13.80 | 228  | 1559518  | 45.196 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.77 | 149  | 1131095  | 48.505 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.38 | 149  | 1872985  | 46.642 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.45 | 276  | 1408062  | 46.455 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.77 | 252  | 1562619  | 43.893 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.80 | 252  | 1442301  | 46.156 | ng    | 100      |
| 90) Benzo(a)pyrene             | 15.09 | 252  | 1436852  | 46.773 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.46 | 278  | 1190560  | 45.002 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 16.84 | 276  | 1145843  | 42.469 | ng    | 99       |

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



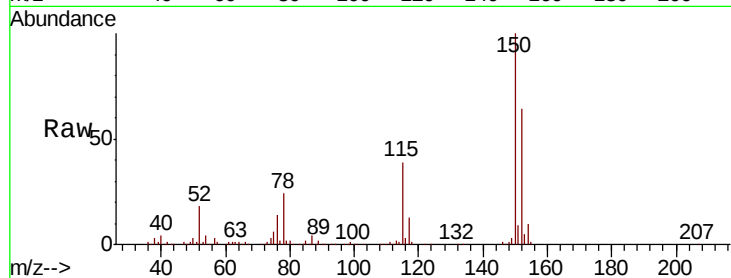


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.65 min Scan# 775  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.4 | 127.4 | 191.0 |
| 115     | 61.1  | 46.0  | 69.0  |

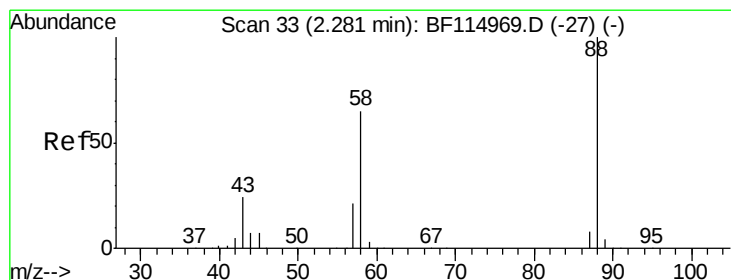
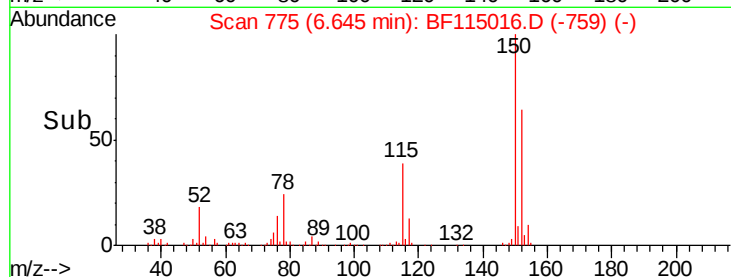
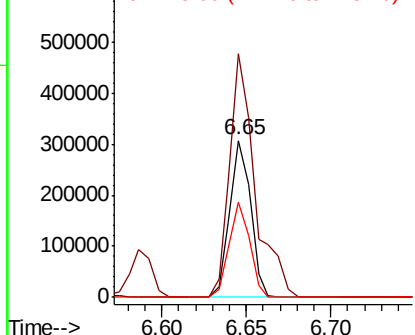


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

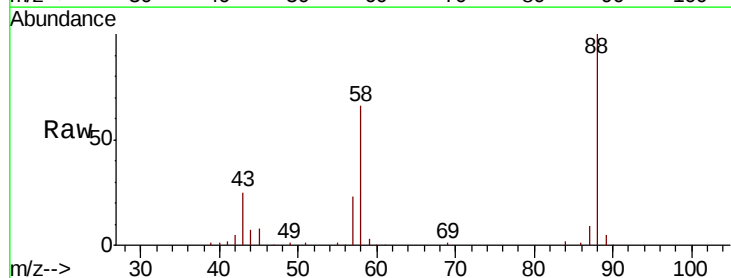
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 19.089 ng  
RT: 2.33 min Scan# 41  
Delta R.T. 0.05 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 65.5  | 53.4  | 80.2  |
| 43      | 25.2  | 19.7  | 29.5  |

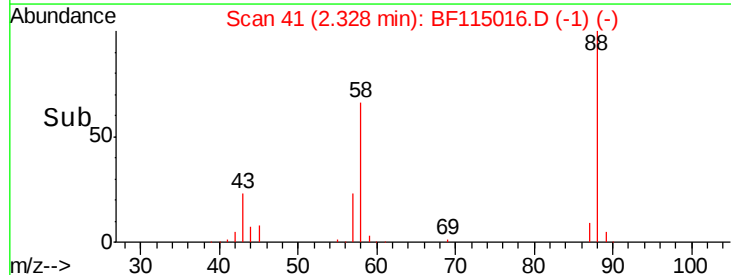
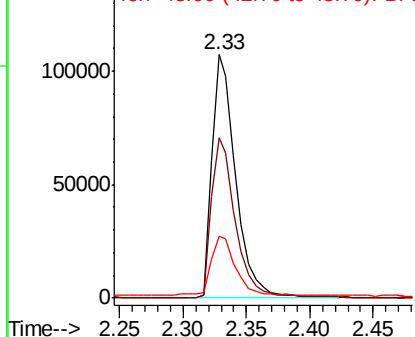


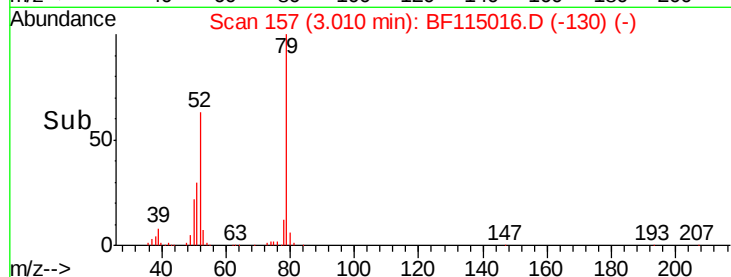
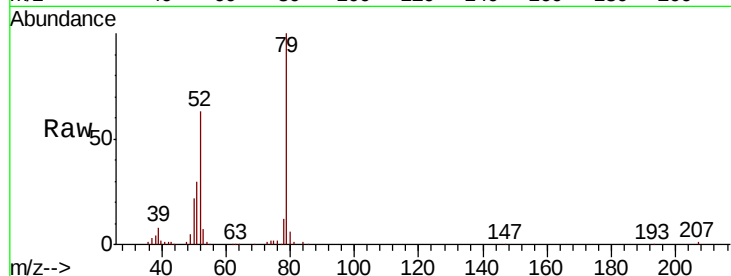
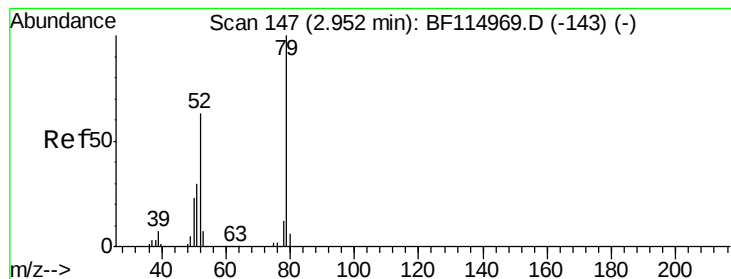
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 16.261 ng

RT: 3.01 min Scan# 157

Delta R.T. 0.06 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

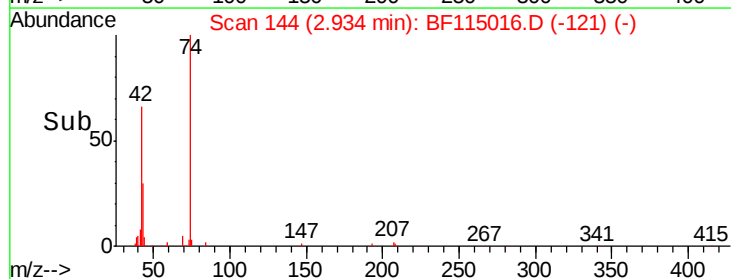
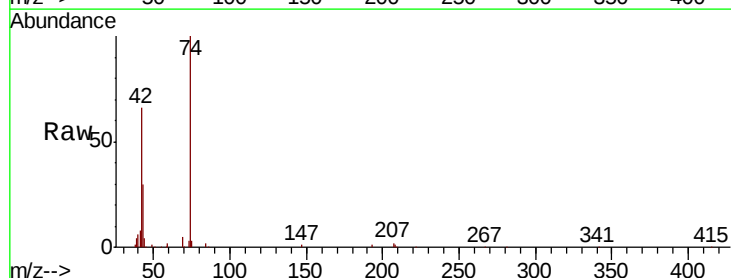
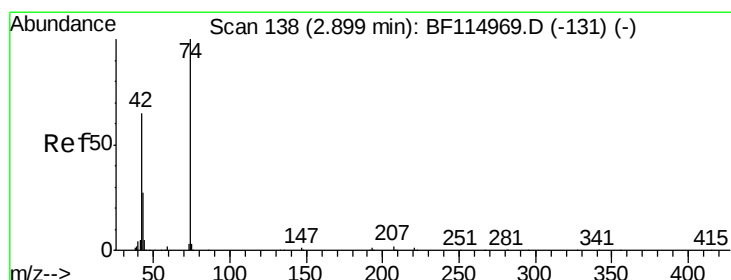
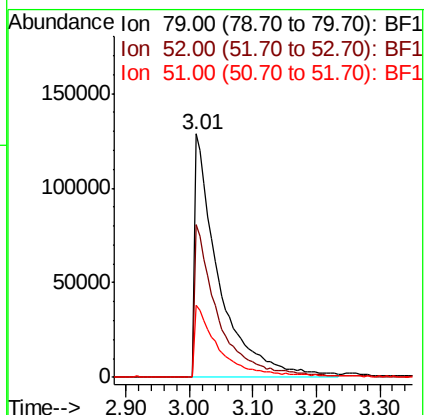
Tot Ion: 79 Resp: 339273

Ion Ratio Lower Upper

79 100

52 62.8 50.3 75.5

51 29.9 24.4 36.6



#4

n-Nitrosodimethylamine

Concen: 20.317 ng

RT: 2.93 min Scan# 144

Delta R.T. 0.04 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

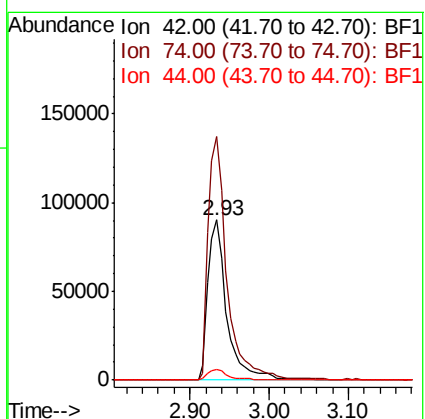
Tgt Ion: 42 Resp: 150504

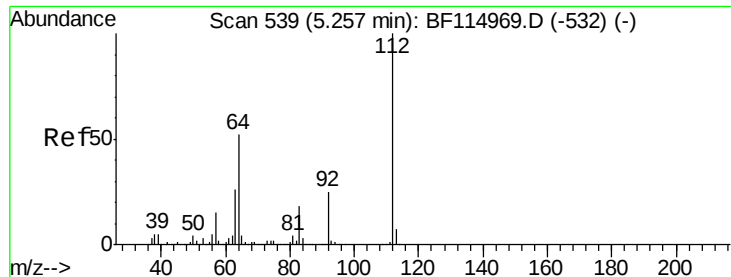
Ion Ratio Lower Upper

42 100

74 152.3 122.2 183.2

44 6.8 5.8 8.8





#5

2-Fluorophenol

Concen: 66.151 ng

RT: 5.26 min Scan# 539

Delta R.T. -0.00 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

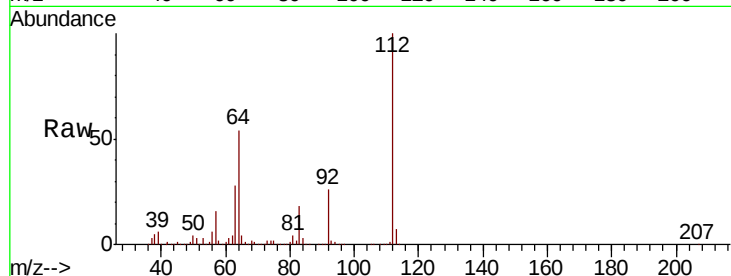
Tot Ion:112 Resp: 1047330

Ion Ratio Lower Upper

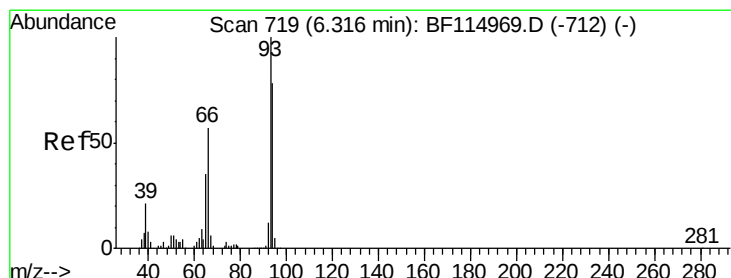
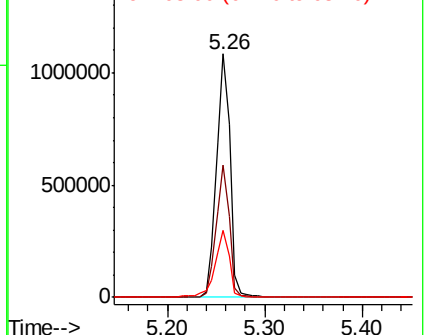
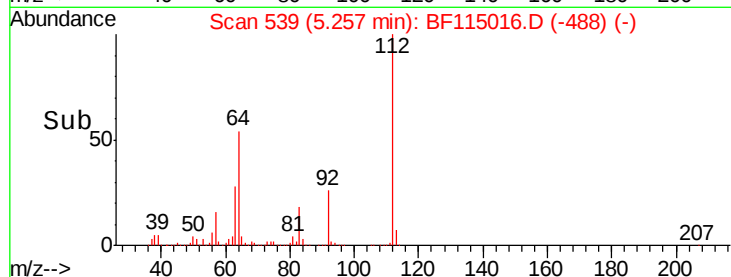
112 100

64 54.4 41.6 62.4

63 27.6 20.9 31.3



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



#6

Aniline

Concen: 15.317 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

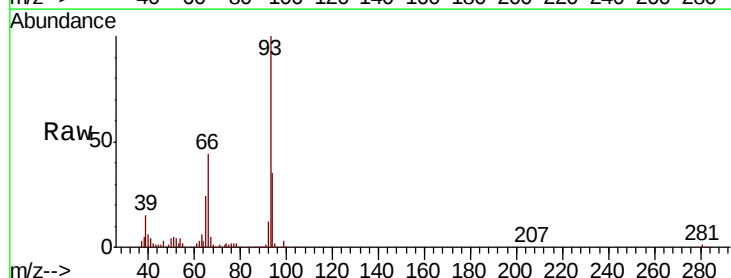
Tgt Ion: 93 Resp: 391767

Ion Ratio Lower Upper

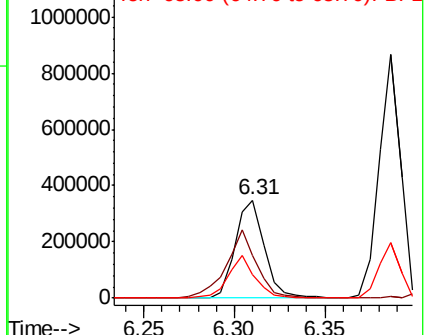
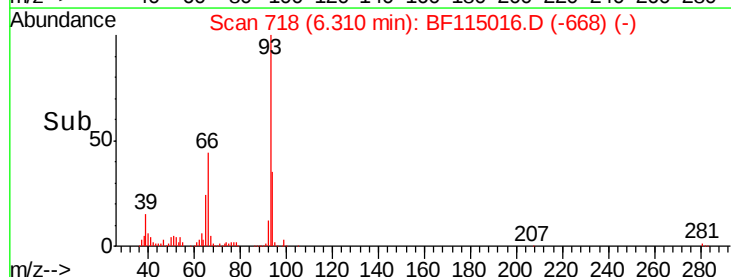
93 100

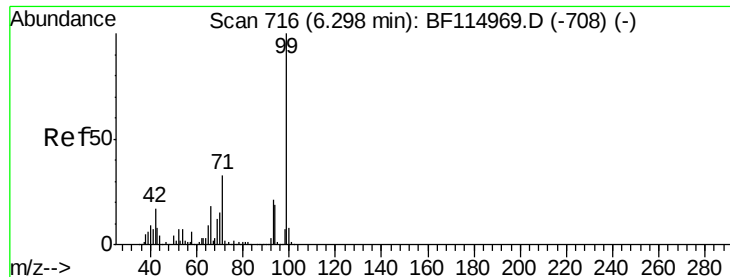
66 43.6 46.2 69.2#

65 23.6 27.7 41.5#



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: 46.381 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

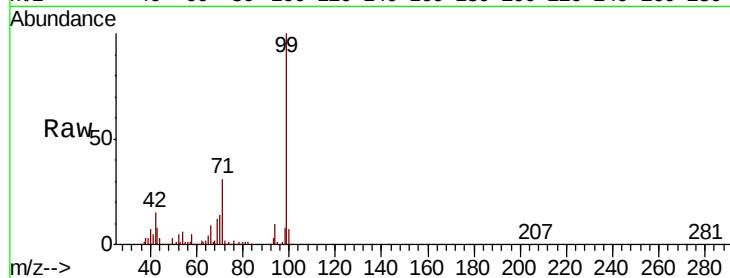
Tot Ion: 99 Resp: 885800

Ion Ratio Lower Upper

99 100

42 15.0 13.4 20.2

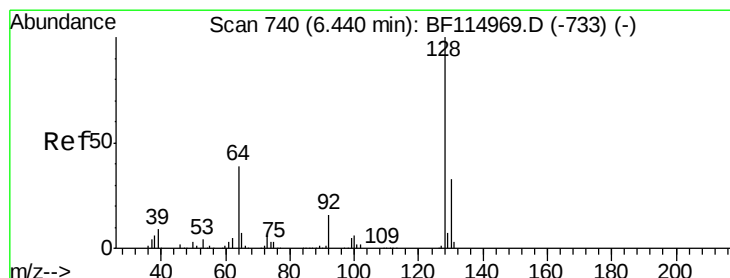
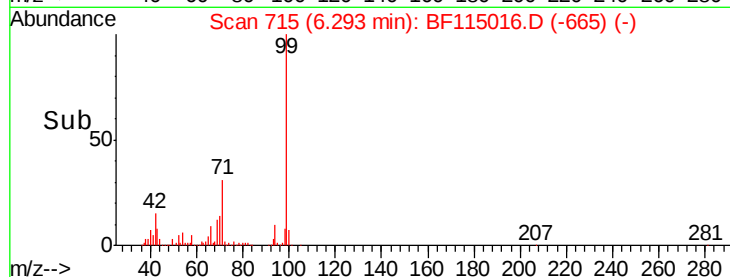
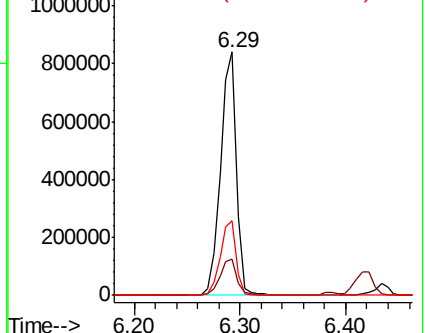
71 30.7 26.4 39.6



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: 37.030 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

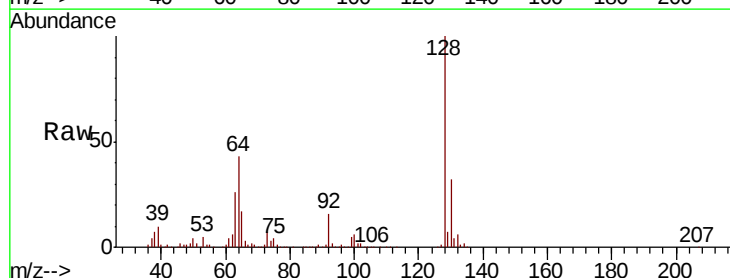
Tgt Ion: 128 Resp: 664773

Ion Ratio Lower Upper

128 100

130 32.4 13.4 53.4

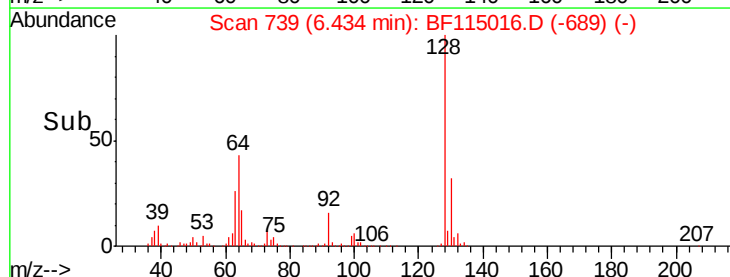
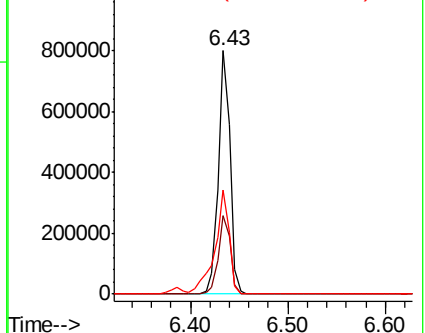
64 42.6 20.1 60.1

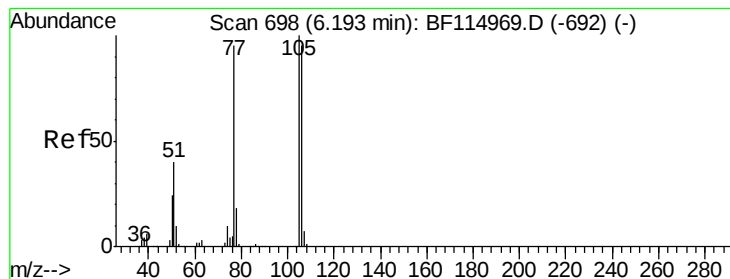


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 13.194 ng

RT: 6.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

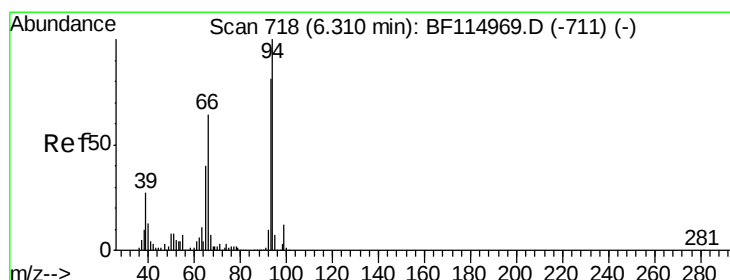
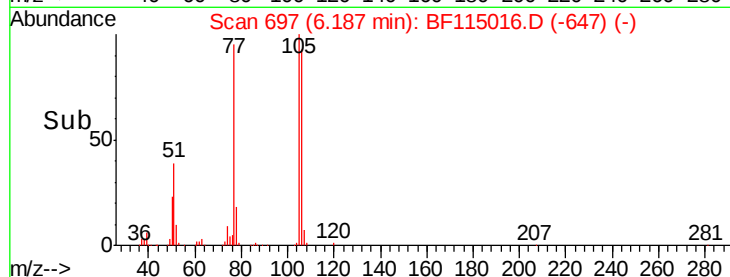
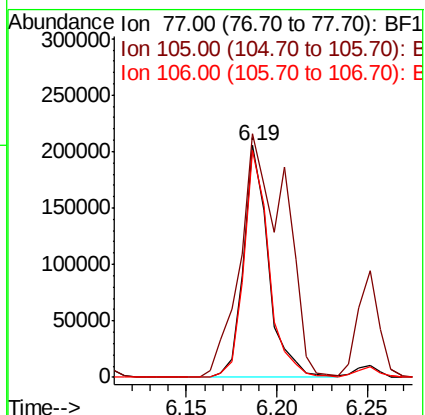
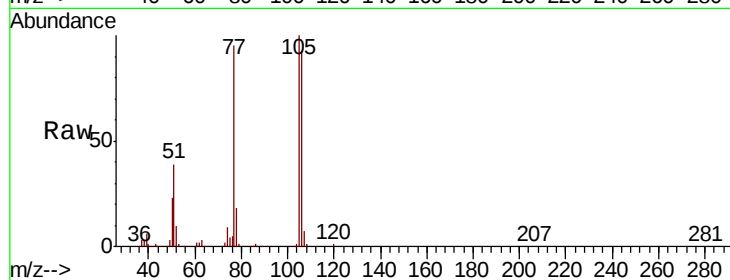
Tot Ion: 77 Resp: 196733

Ion Ratio Lower Upper

77 100

105 105.1 85.1 125.1

106 97.8 80.0 120.0



#10

Phenol

Concen: 16.440 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

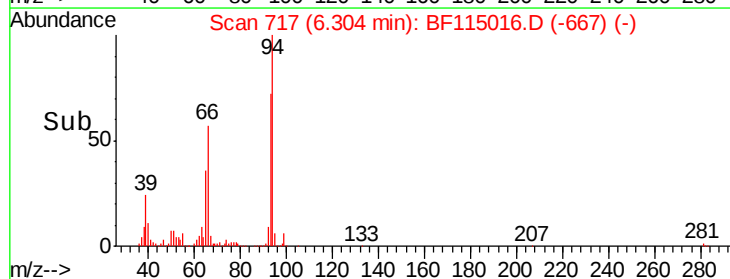
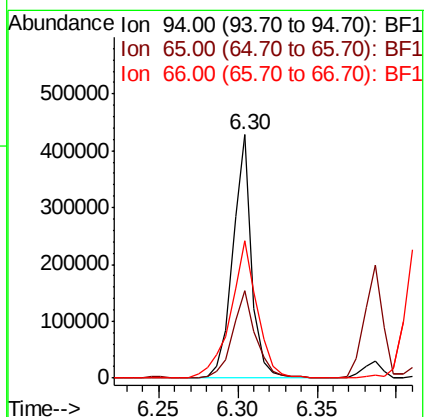
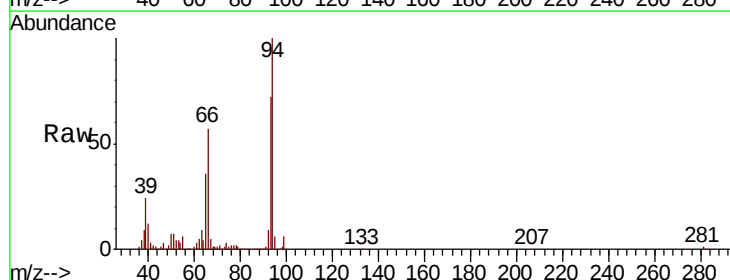
Tgt Ion: 94 Resp: 351275

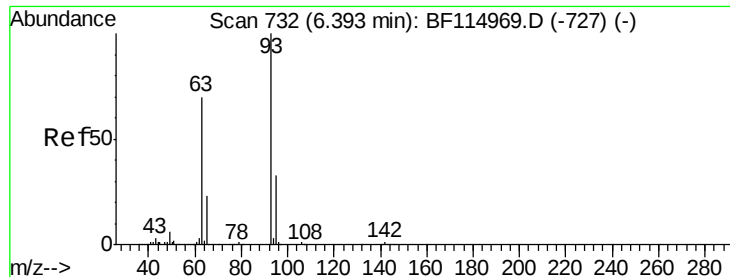
Ion Ratio Lower Upper

94 100

65 35.7 20.0 60.0

66 56.7 44.1 84.1

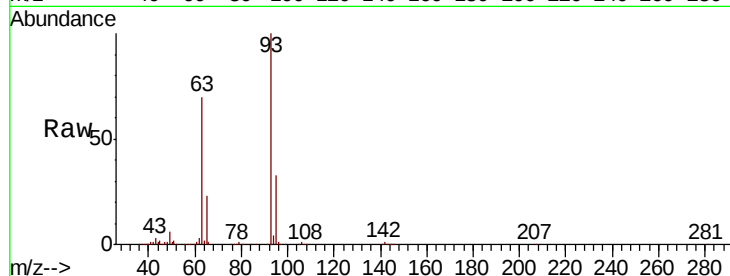




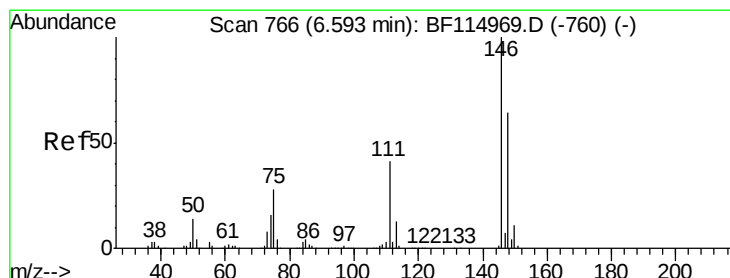
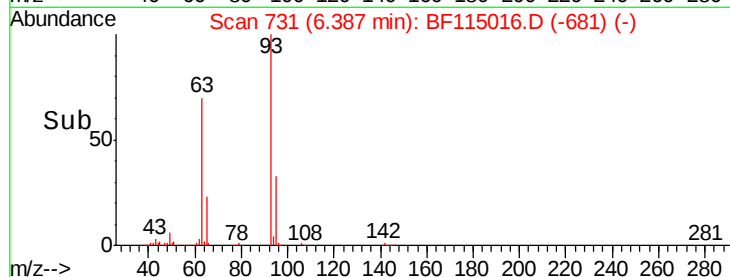
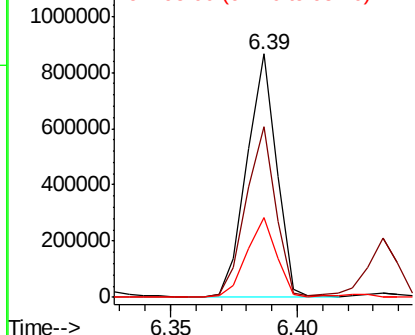
#11  
bis(2-Chloroethyl)ether  
Concen: 42.343 ng  
RT: 6.39 min Scan# 731  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 702257 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 70.4  | 49.8  | 89.8   |
| 95       | 32.6  | 13.3  | 53.3   |

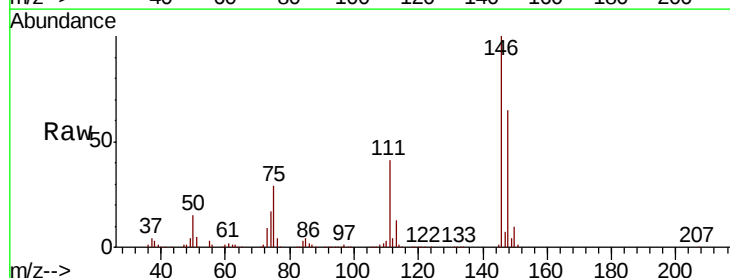


Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1

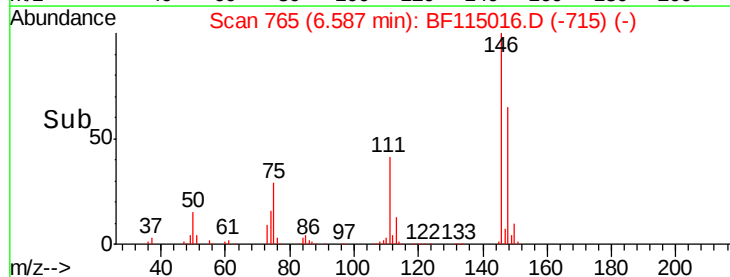
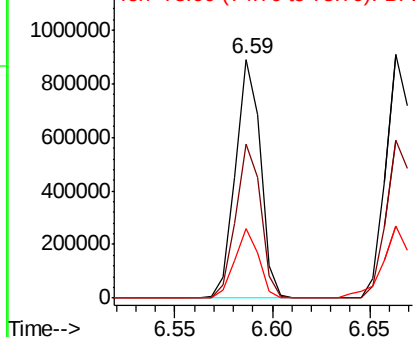


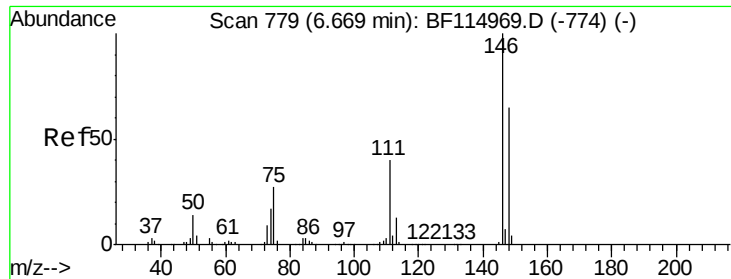
#12  
1,3-Dichlorobenzene  
Concen: 37.903 ng  
RT: 6.59 min Scan# 765  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 794783 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 64.6  | 51.6  | 77.4   |
| 75       | 28.9  | 22.3  | 33.5   |



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

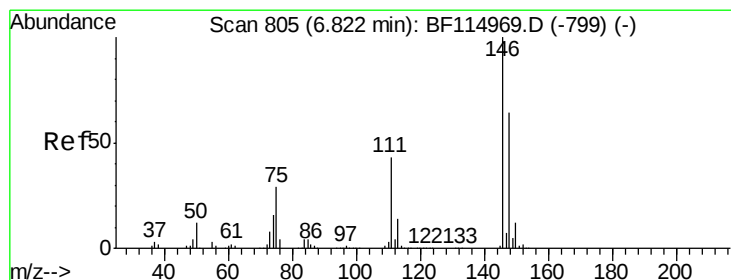
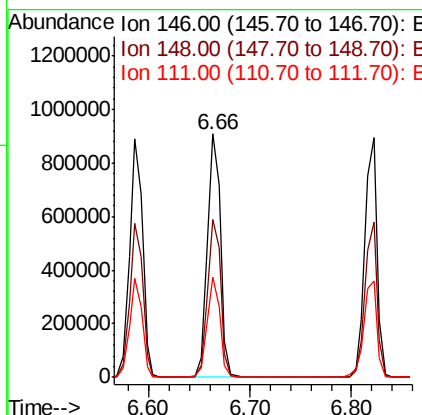
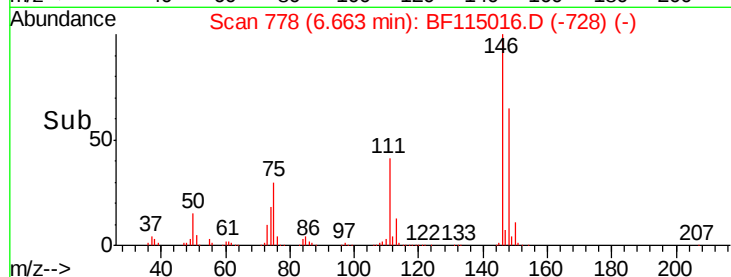
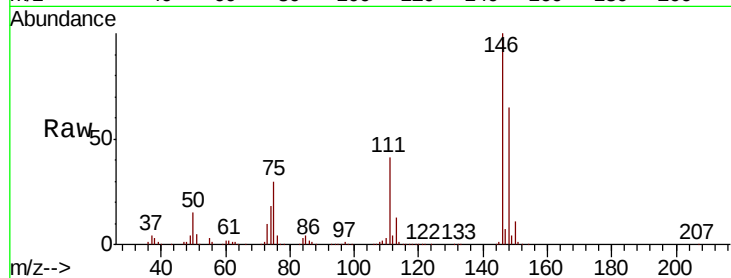




#13  
 1,4-Dichlorobenzene  
 Concen: 38.499 ng  
 RT: 6.66 min Scan# 778  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

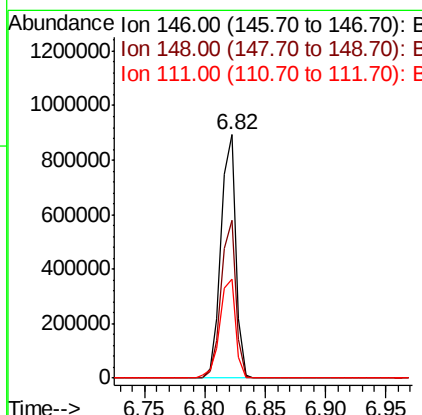
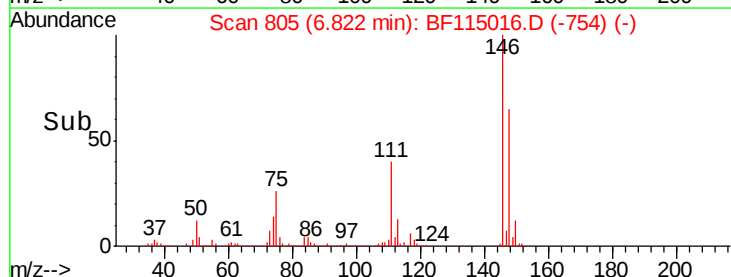
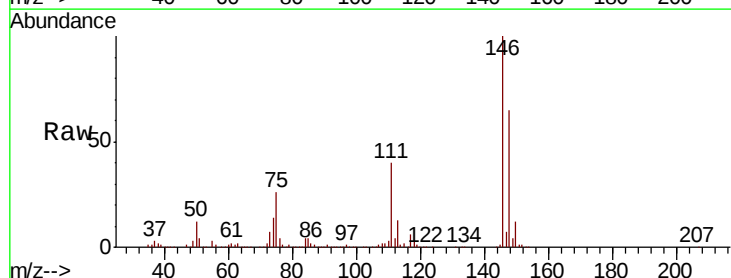
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5\_061219MSD

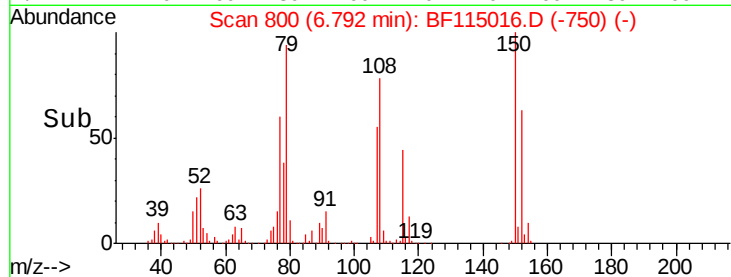
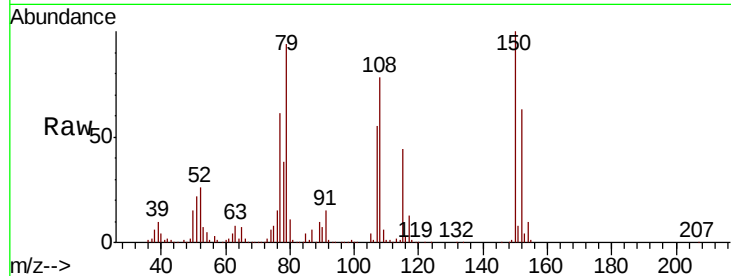
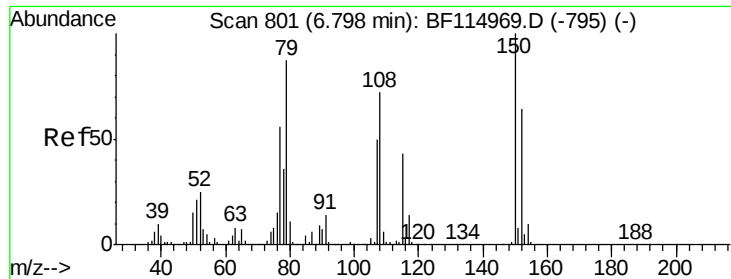
Tot Ion:146 Resp: 811606  
 Ion Ratio Lower Upper  
 146 100  
 148 64.9 52.2 78.2  
 111 41.0 32.4 48.6



#14  
 1,2-Dichlorobenzene  
 Concen: 37.992 ng  
 RT: 6.82 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

Tgt Ion:146 Resp: 754029  
 Ion Ratio Lower Upper  
 146 100  
 148 64.7 51.5 77.3  
 111 40.4 34.6 51.8





#15

Benzyl Alcohol

Concen: 29.988 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

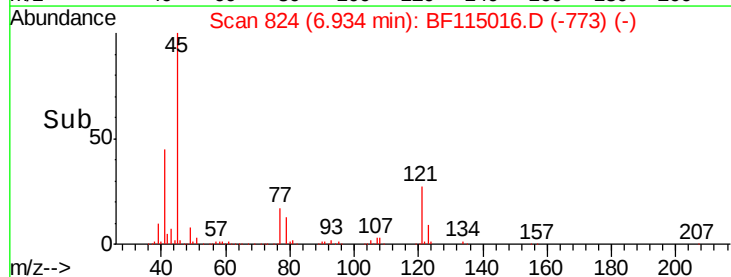
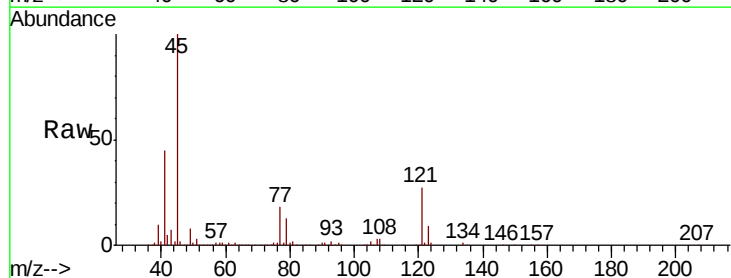
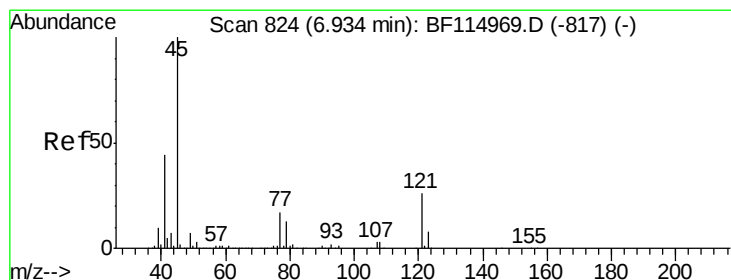
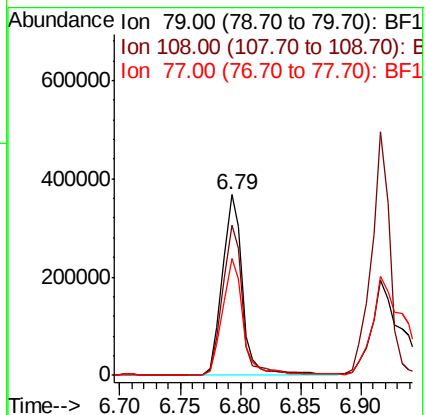
Tot Ion: 79 Resp: 429108

Ion Ratio Lower Upper

79 100

108 82.9 66.0 99.0

77 64.6 51.1 76.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.565 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

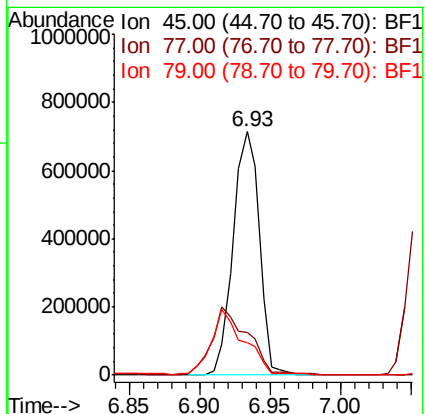
Tgt Ion: 45 Resp: 922626

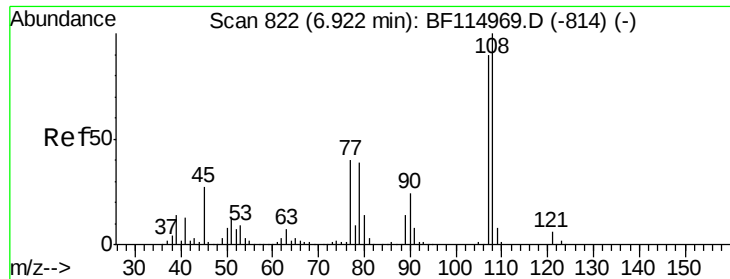
Ion Ratio Lower Upper

45 100

77 17.6 0.0 37.0

79 13.4 0.0 33.1

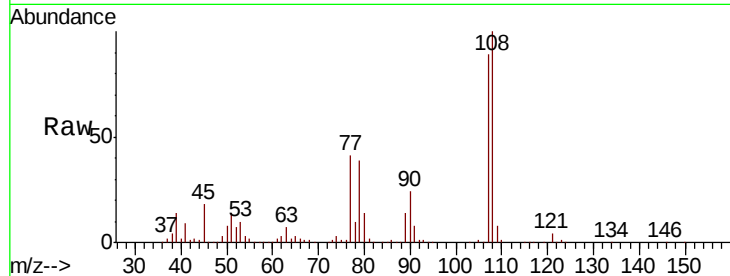




#17  
2-Methylphenol  
Concen: 31.985 ng  
RT: 6.92 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 112.6 | 89.3  | 133.9 |
| 77      | 45.8  | 35.4  | 53.2  |
| 79      | 43.9  | 34.9  | 52.3  |



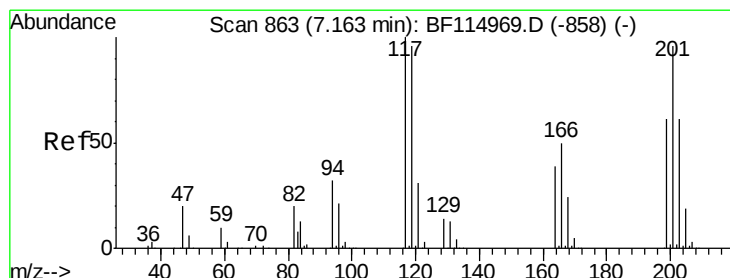
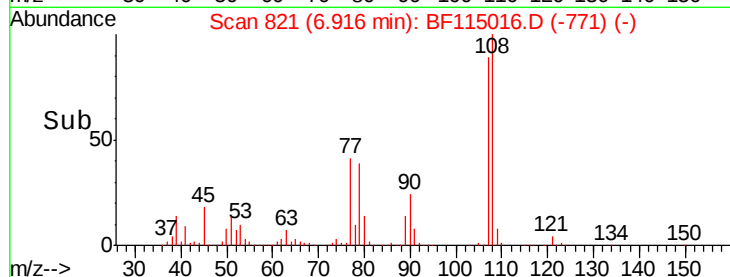
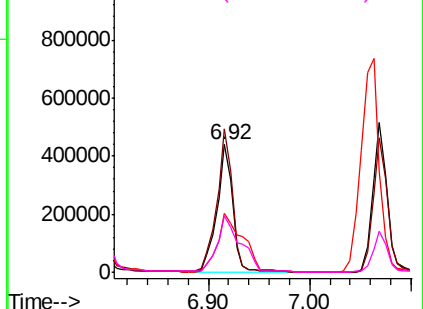
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

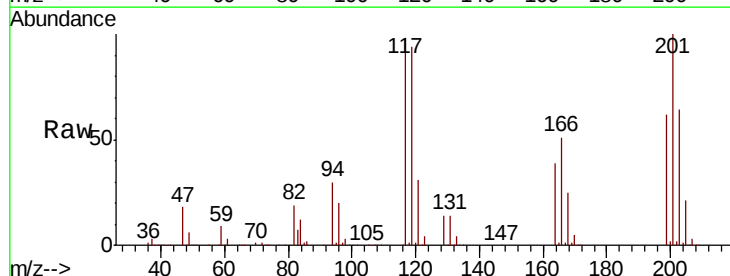
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 37.679 ng  
RT: 7.16 min Scan# 863  
Delta R.T. -0.00 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.0  | 77.0  | 115.4 |
| 201     | 102.2 | 76.6  | 115.0 |

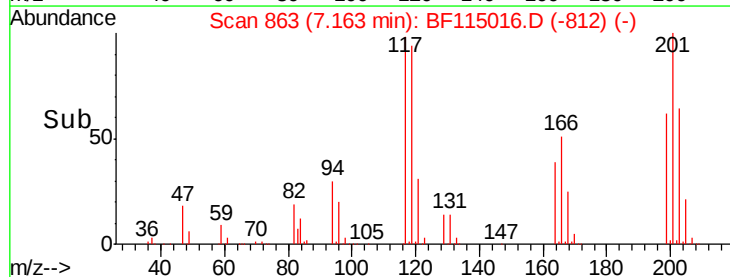
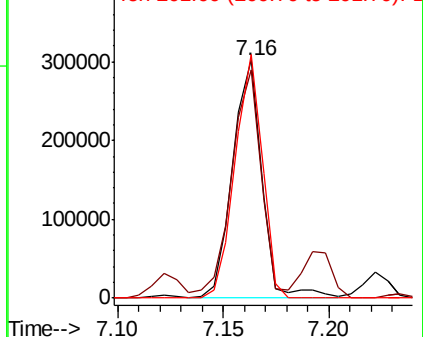


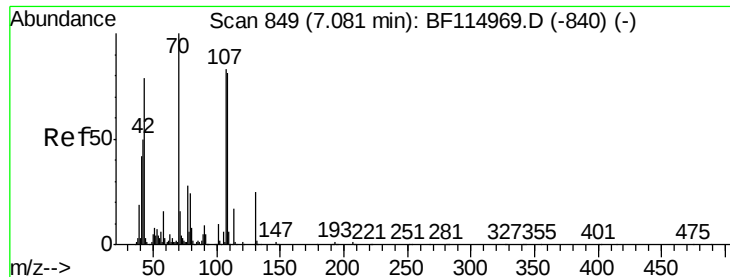
Abundance

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

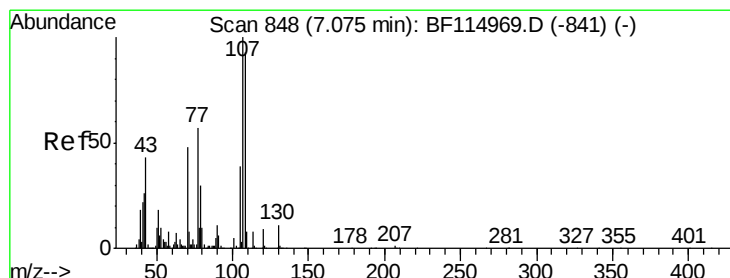
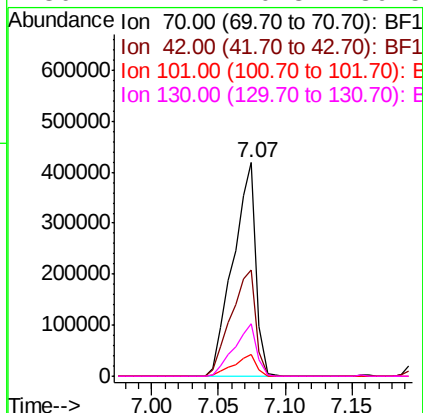
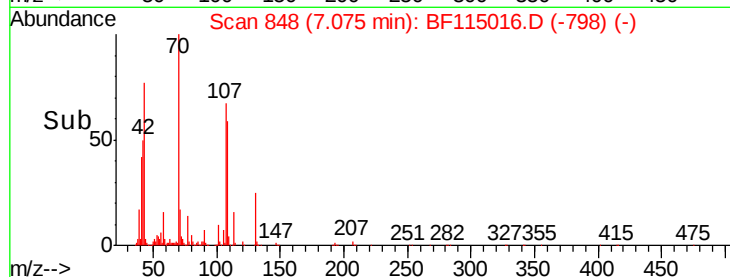
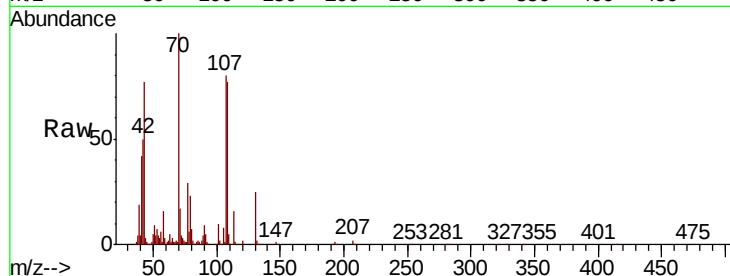




#19  
n-Nitroso-di-n-propylamine  
Concen: 43.436 ng  
RT: 7.07 min Scan# 848  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

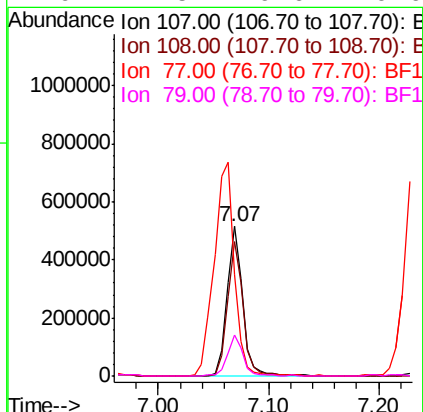
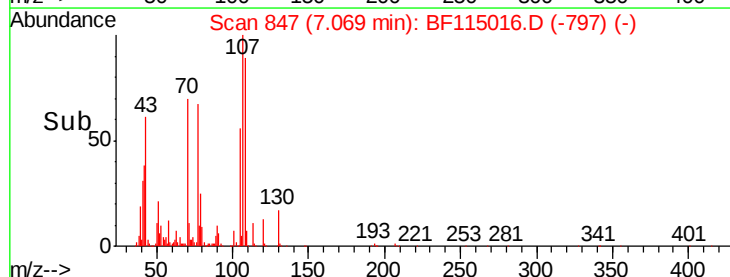
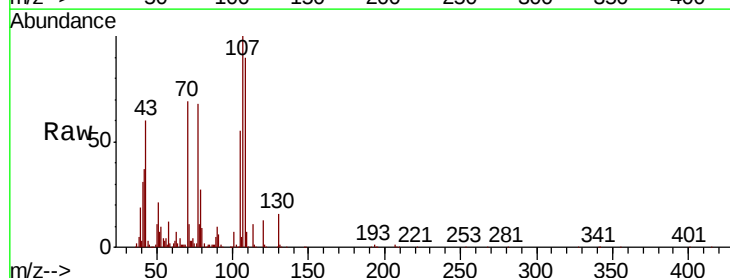
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

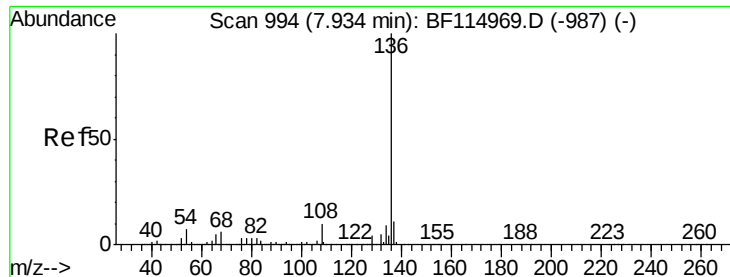
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 504022 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 49.6  | 40.3  | 60.5   |
| 101      | 10.4  | 8.2   | 12.4   |
| 130      | 24.7  | 20.3  | 30.5   |



#20  
3+4-Methylphenols  
Concen: 28.269 ng  
RT: 7.07 min Scan# 847  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 503797 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.1  | 73.1  | 113.1  |
| 77       | 67.7  | 37.3  | 77.3   |
| 79       | 27.5  | 9.6   | 49.6   |

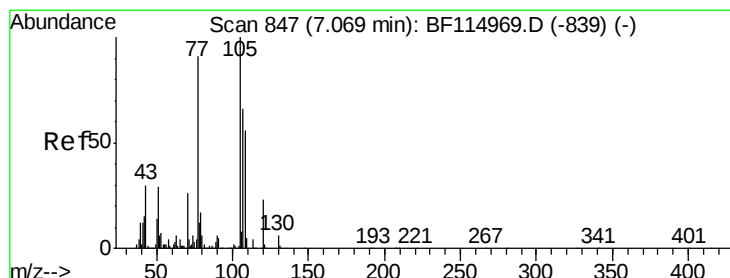
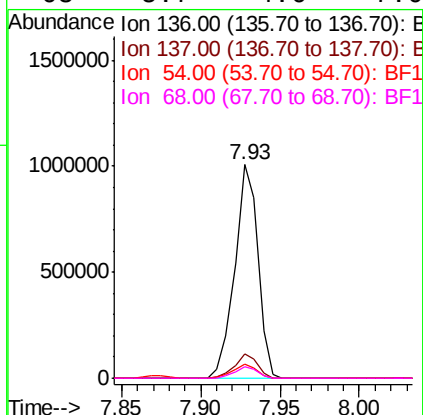
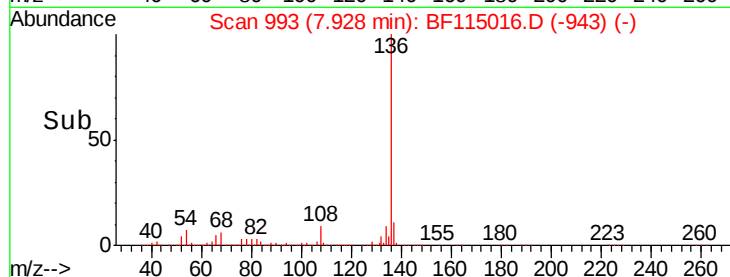
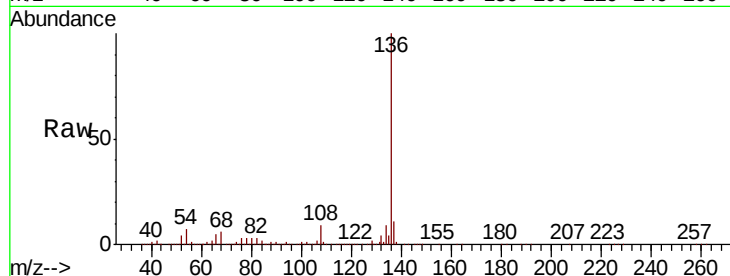




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.93 min Scan# 993  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

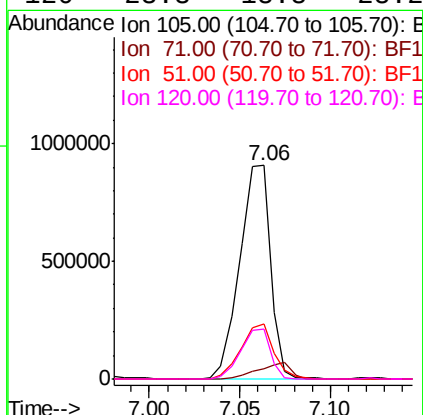
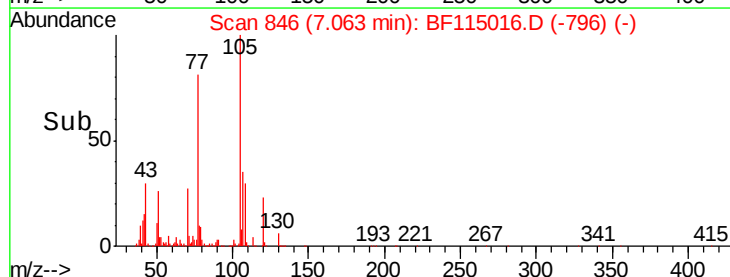
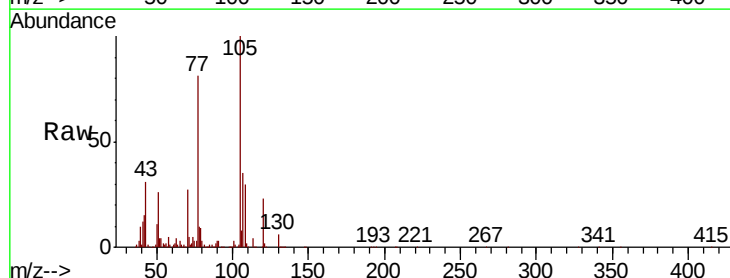
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

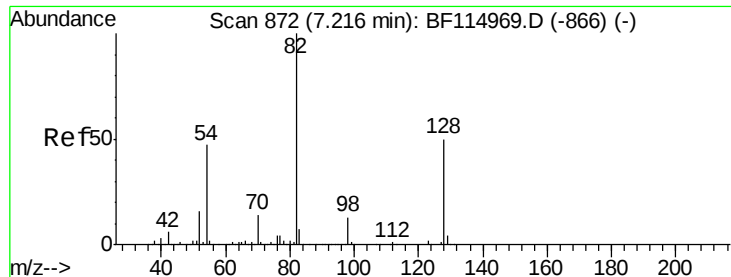
|             |               |
|-------------|---------------|
| Tot Ion:136 | Resp: 1021655 |
| Ion Ratio   | Lower Upper   |
| 136 100     |               |
| 137 11.2    | 9.0 13.4      |
| 54 6.8      | 5.4 8.0       |
| 68 5.7      | 4.6 7.0       |



#22  
Acetophenone  
Concen: 46.466 ng  
RT: 7.06 min Scan# 846  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

|     |         |       |         |
|-----|---------|-------|---------|
| Tgt | Ion:105 | Resp: | 1074612 |
| Ion | Ratio   | Lower | Upper   |
| 105 | 100     |       |         |
| 71  | 4.6     | 3.4   | 5.2     |
| 51  | 25.7    | 23.3  | 34.9    |
| 120 | 23.3    | 18.8  | 28.2    |

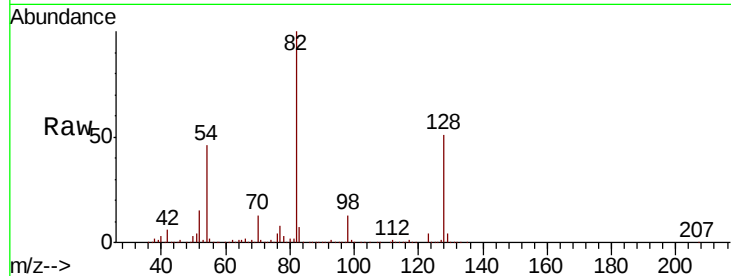




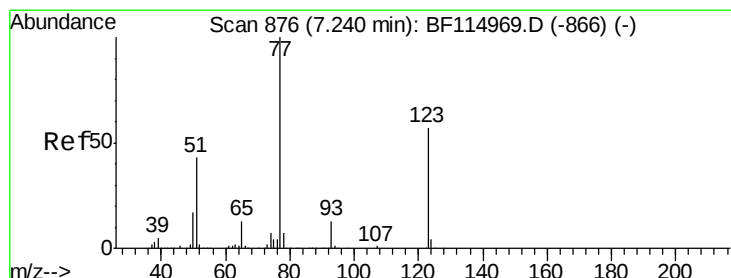
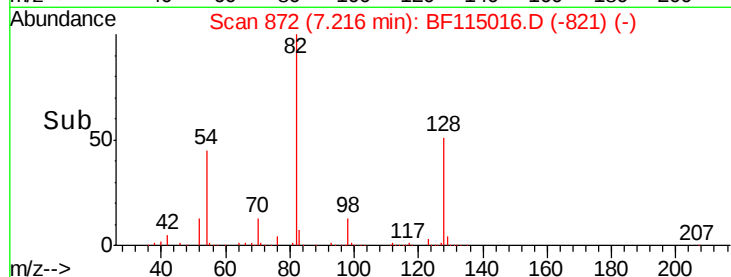
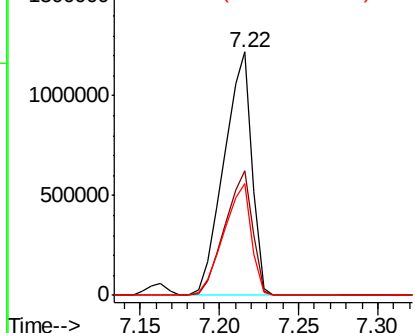
#23  
Nitrobenzene-d5  
Concen: 87.360 ng  
RT: 7.22 min Scan# 872  
Delta R.T. -0.00 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

Tot Ion: 82 Resp: 1482783  
Ion Ratio Lower Upper  
82 100  
128 51.3 39.9 59.9  
54 46.0 37.3 55.9

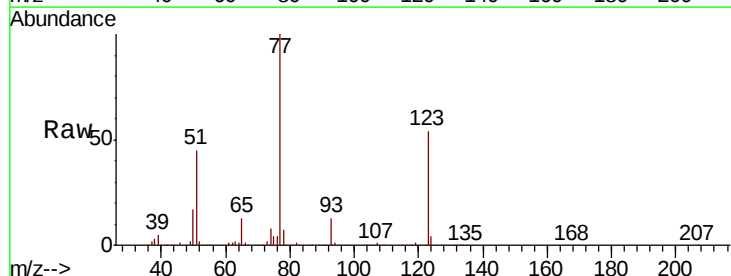


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

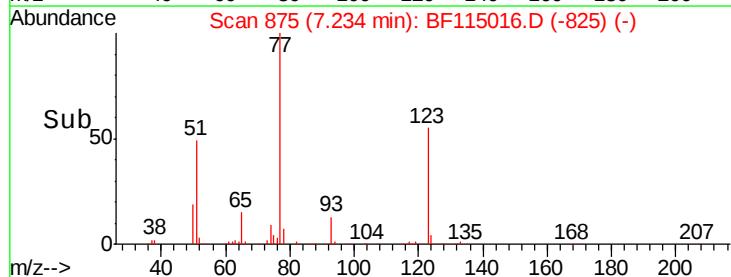
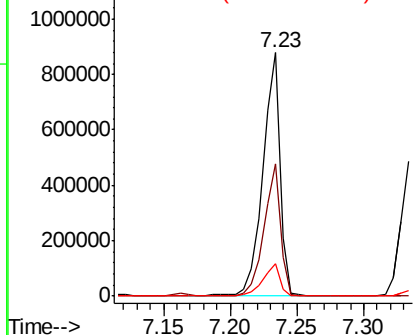


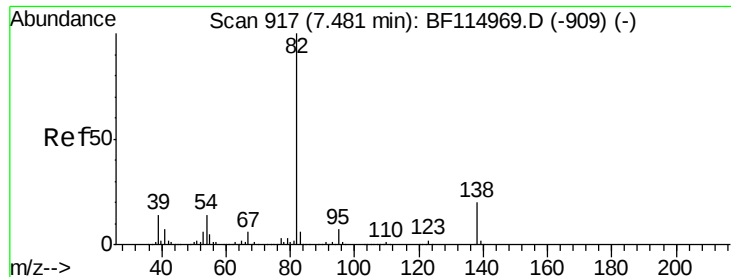
#24  
Nitrobenzene  
Concen: 44.936 ng  
RT: 7.23 min Scan# 875  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion: 77 Resp: 776023  
Ion Ratio Lower Upper  
77 100  
123 54.1 45.5 68.3  
65 13.4 10.3 15.5



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 123.00 (122.70 to 123.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 45.230 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

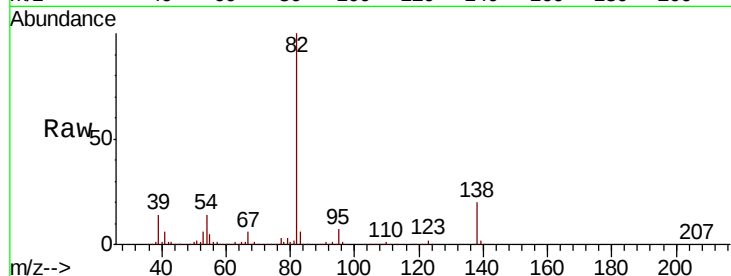
Tot Ion: 82 Resp: 1437861

Ion Ratio Lower Upper

82 100

95 7.1 5.6 8.4

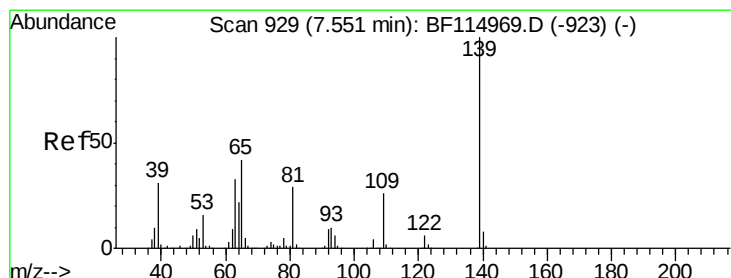
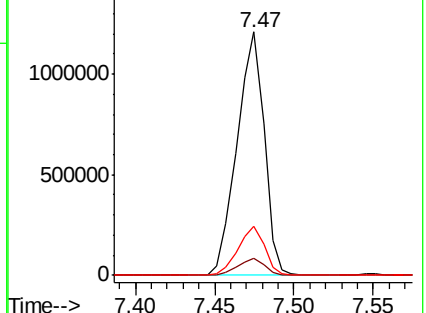
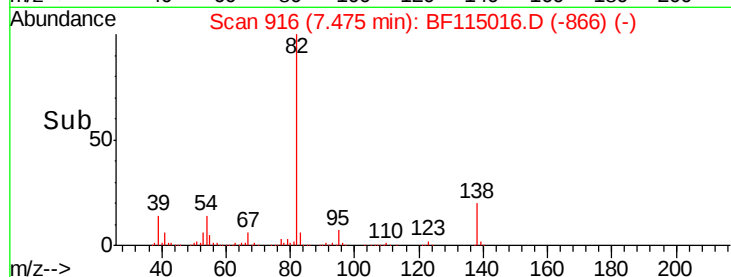
138 20.4 16.1 24.1



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 43.108 ng

RT: 7.55 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

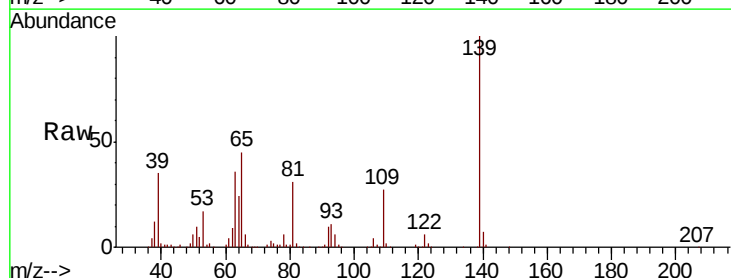
Tgt Ion: 139 Resp: 414948

Ion Ratio Lower Upper

139 100

109 27.0 20.8 31.2

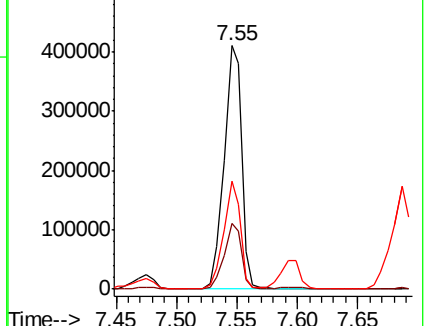
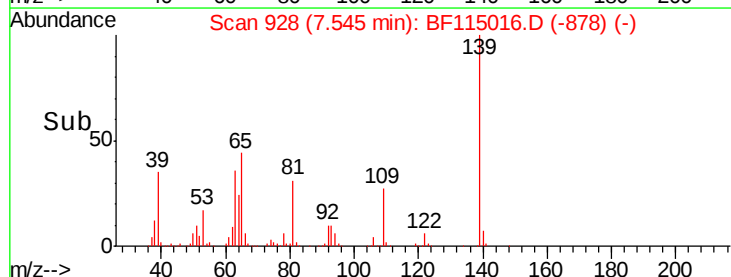
65 44.5 33.4 50.2

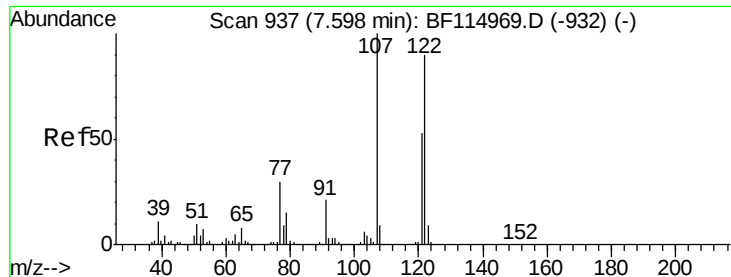


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

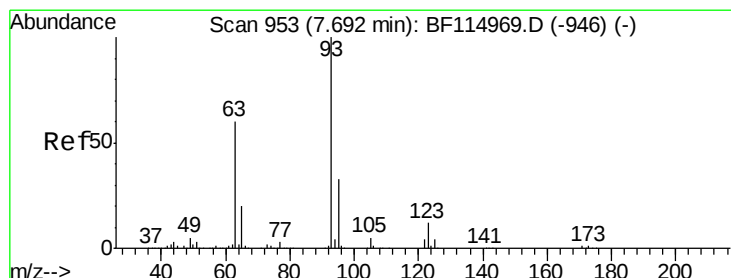
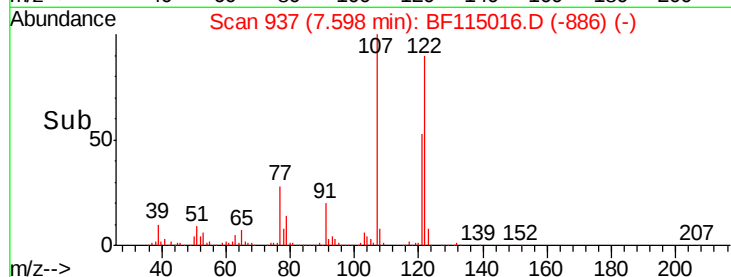
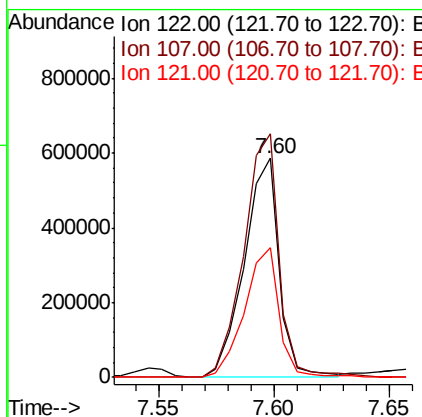
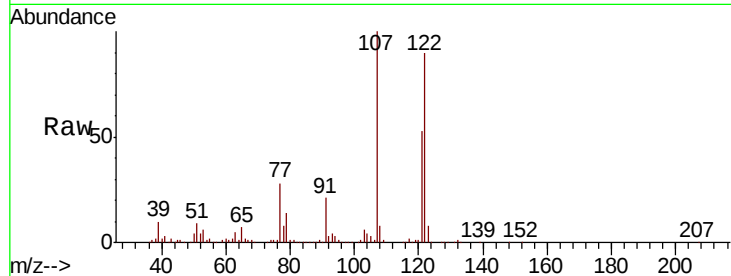




#27  
2,4-Dimethylphenol  
Concen: 44.519 ng  
RT: 7.60 min Scan# 937  
Delta R.T. -0.00 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

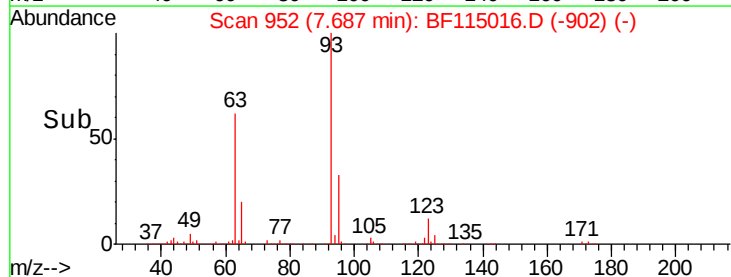
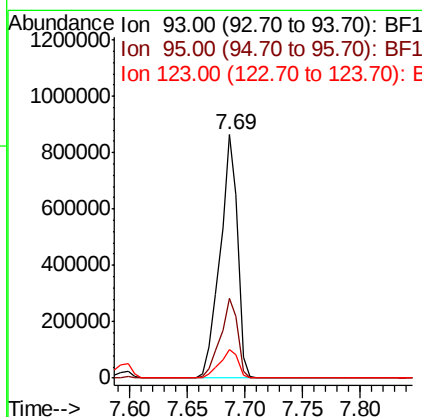
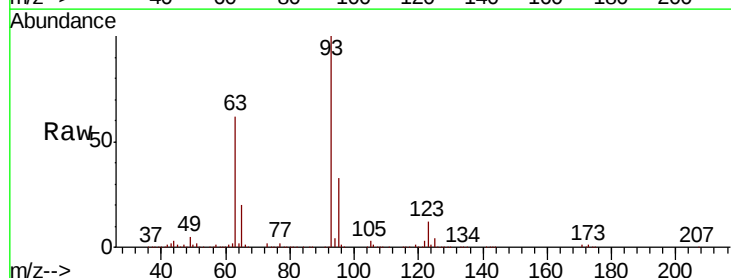
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

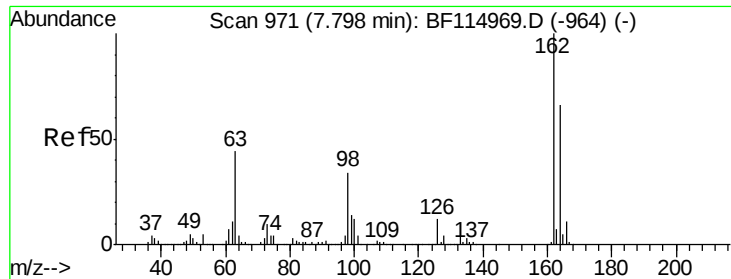
Tot Ion:122 Resp: 618191  
Ion Ratio Lower Upper  
122 100  
107 111.2 88.8 133.2  
121 59.2 47.4 71.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 44.514 ng  
RT: 7.69 min Scan# 952  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion: 93 Resp: 907888  
Ion Ratio Lower Upper  
93 100  
95 33.0 26.6 40.0  
123 11.6 9.9 14.9

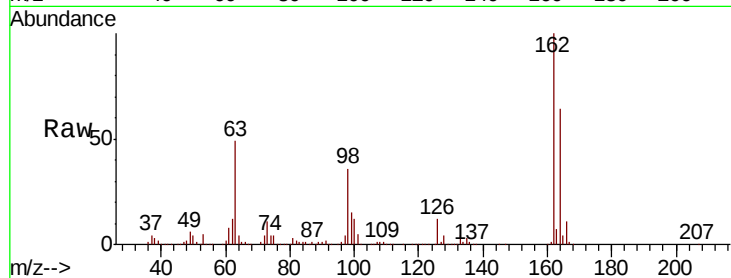




#29  
 2,4-Dichlorophenol  
 Concen: 42.663 ng  
 RT: 7.79 min Scan# 970  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5\_061219MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.0  | 45.7  | 85.7  |
| 98      | 35.8  | 14.0  | 54.0  |

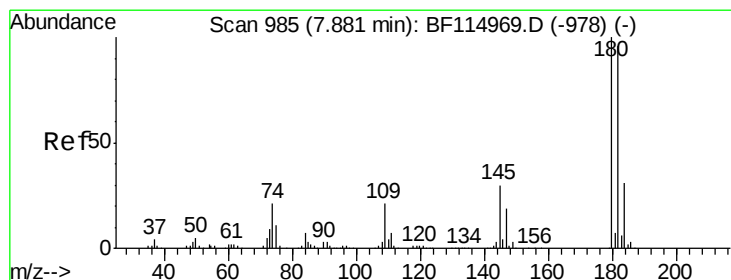
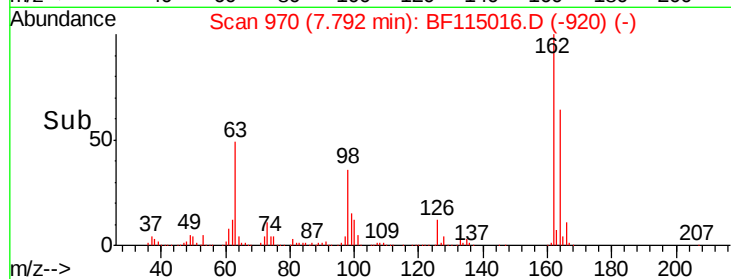
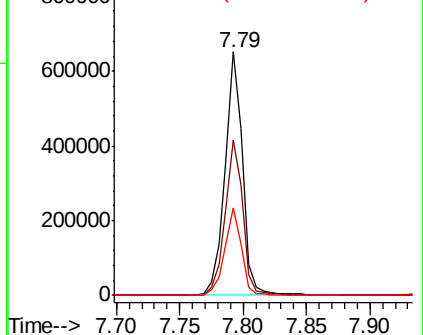


Abundance

Ion 162.00 (161.70 to 162.70): E

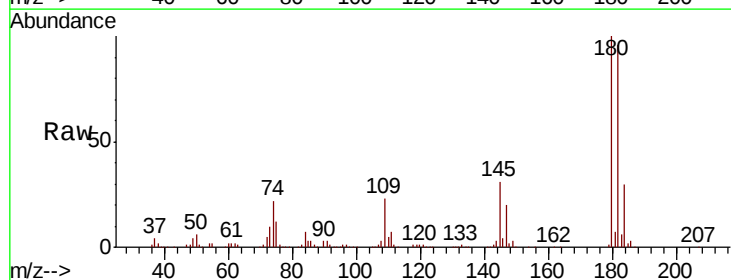
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.908 ng  
 RT: 7.87 min Scan# 984  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.5  | 76.7  | 115.1 |
| 145     | 30.5  | 24.1  | 36.1  |

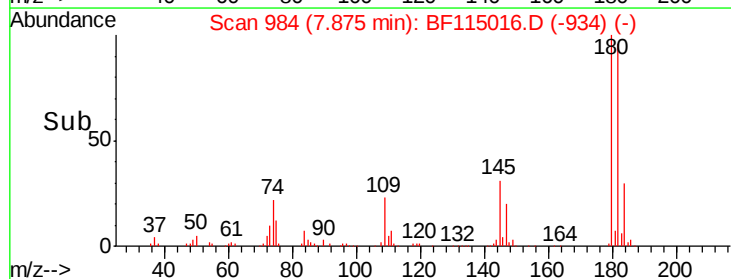
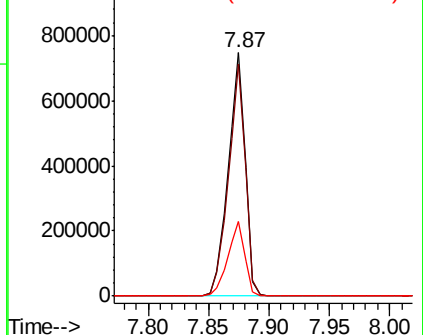


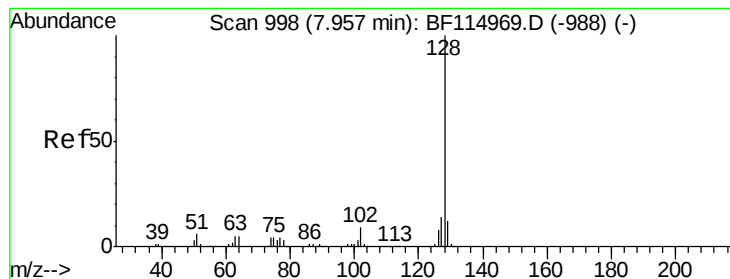
Abundance

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: 49.942 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

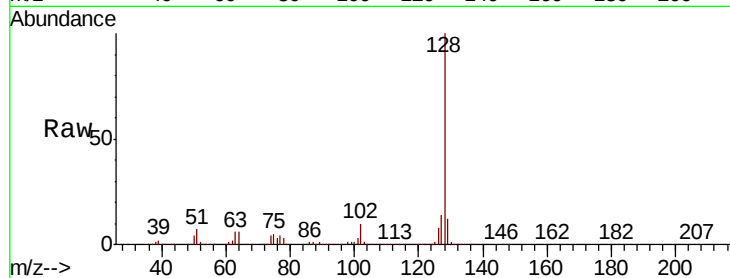
Tot Ion:128 Resp: 2414160

Ion Ratio Lower Upper

128 100

129 12.3 9.5 14.3

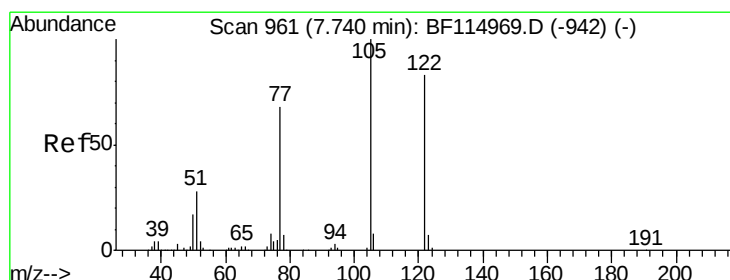
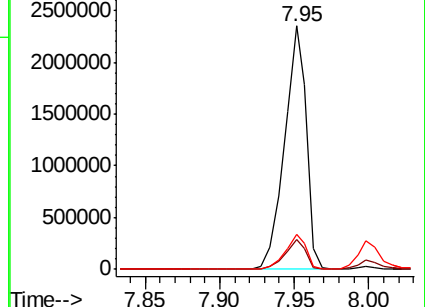
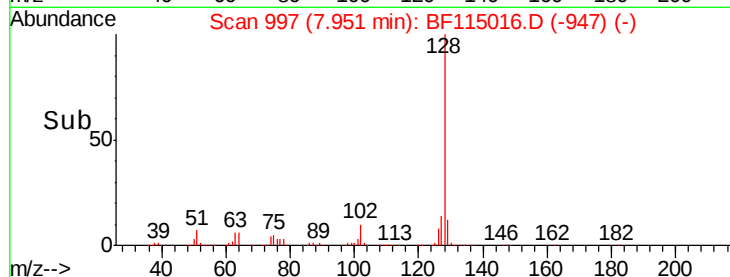
127 14.3 11.5 17.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.729 ng

RT: 7.68 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

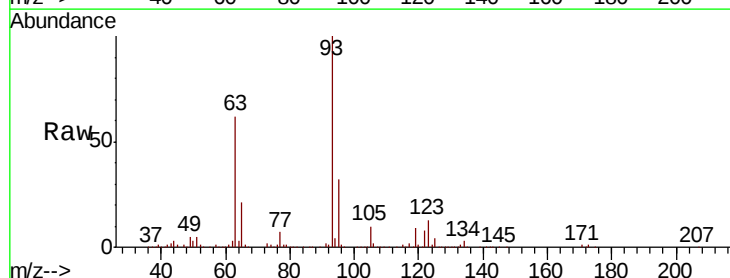
Tgt Ion:122 Resp: 97750

Ion Ratio Lower Upper

122 100

105 117.6 98.6 138.6

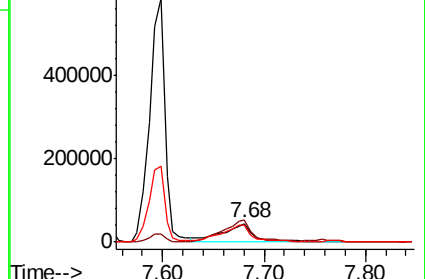
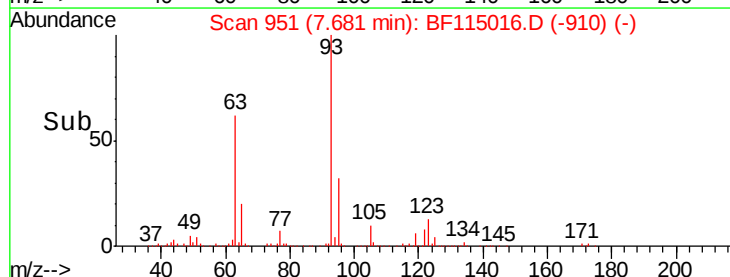
77 89.5 60.9 100.9

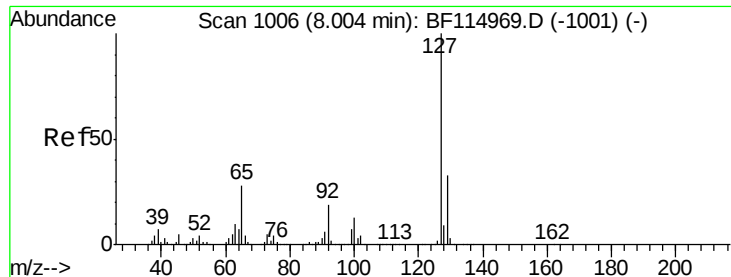


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

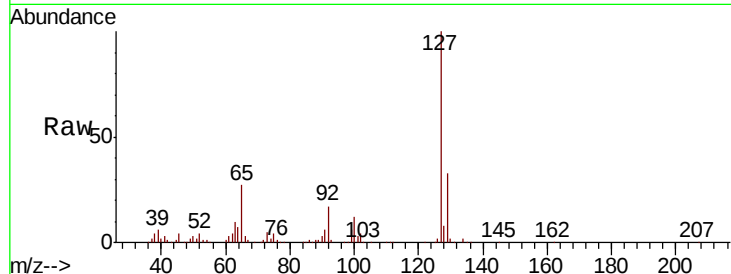




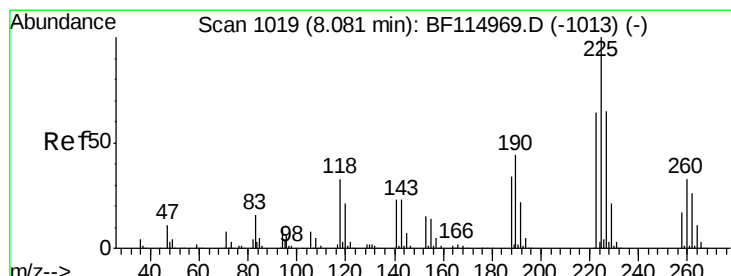
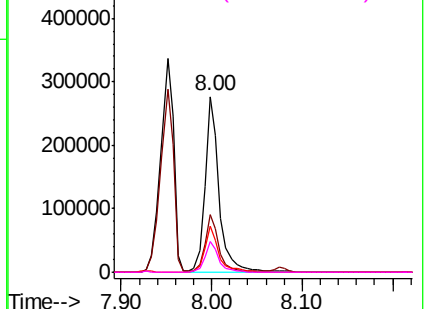
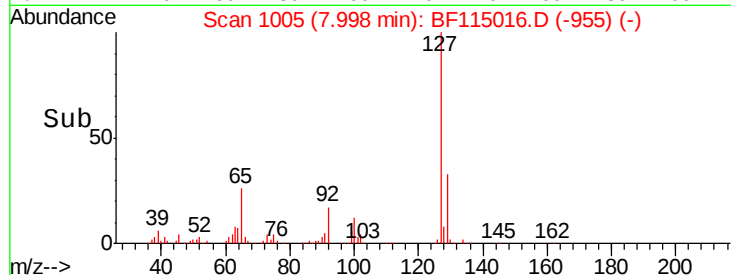
#33  
 4-Chloroaniline  
 Concen: 13.612 ng  
 RT: 8.00 min Scan# 1005  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5\_061219MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 303724 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.1  | 26.1  | 39.1   |
| 65       | 26.5  | 22.3  | 33.5   |
| 92       | 17.3  | 15.3  | 22.9   |

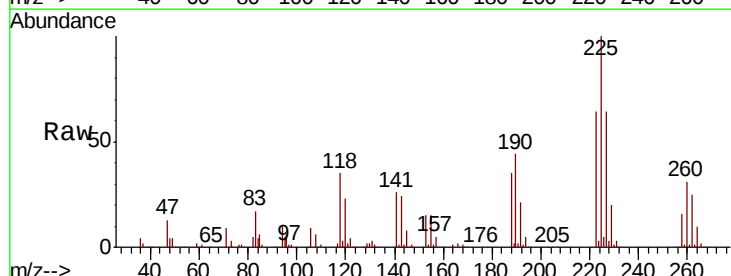


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1

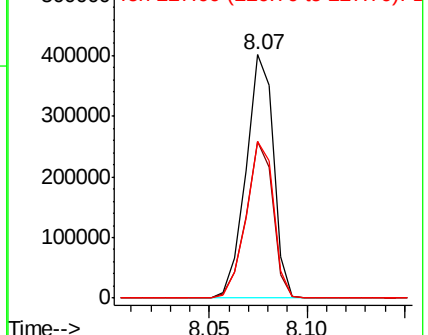
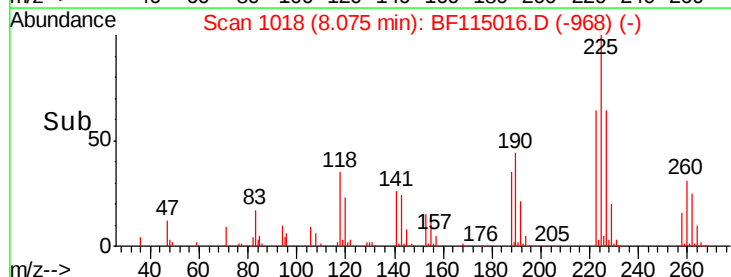


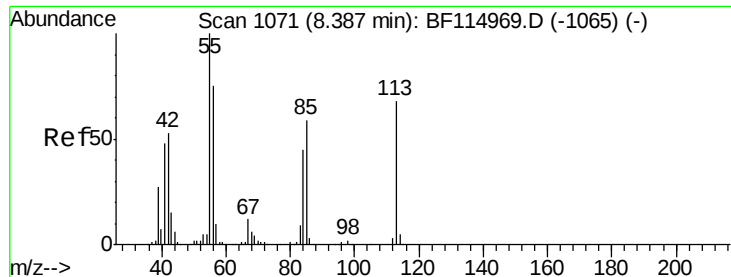
#34  
 Hexachlorobutadiene  
 Concen: 41.652 ng  
 RT: 8.07 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 392425 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.1  | 51.0  | 76.6   |
| 227      | 64.1  | 51.7  | 77.5   |



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

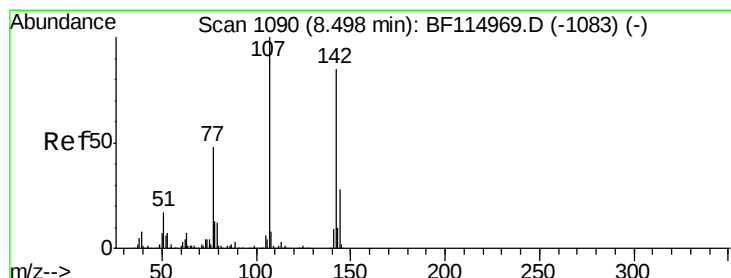
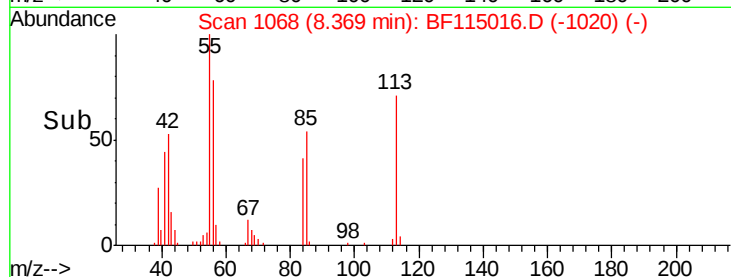
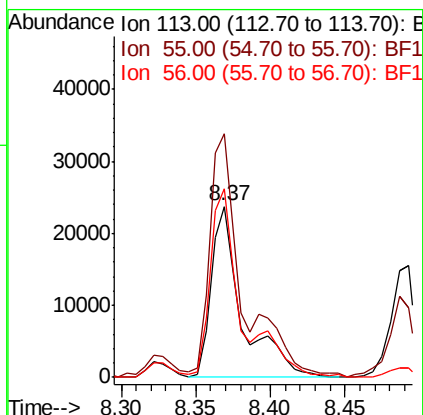
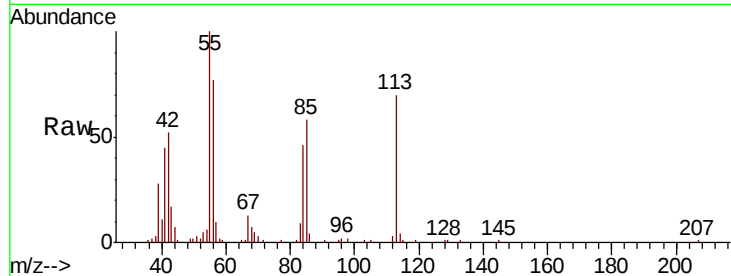




#35  
 Caprolactam  
 Concen: 6.967 ng  
 RT: 8.37 min Scan# 1068  
 Delta R.T. -0.02 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

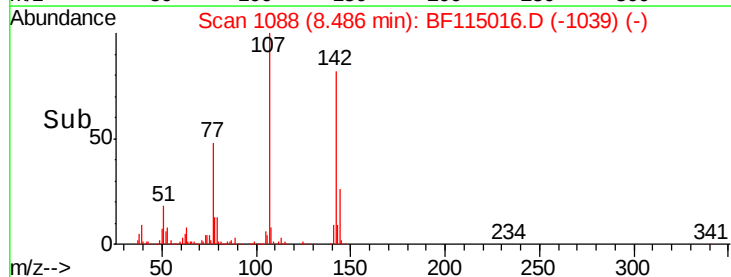
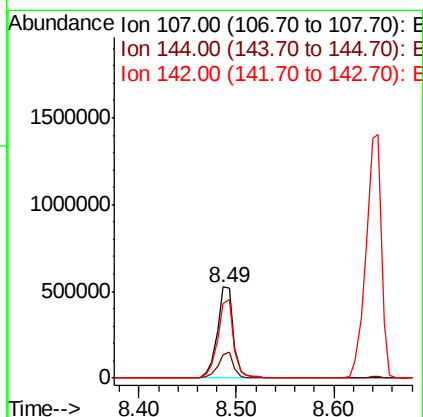
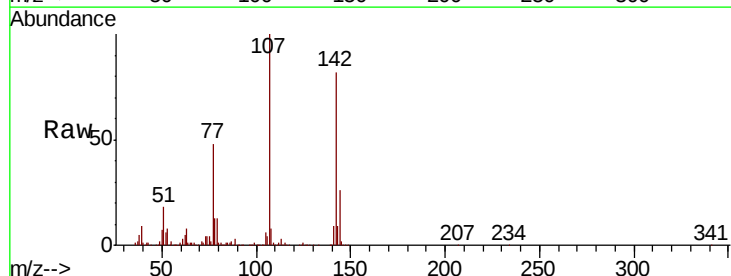
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5\_061219MSD

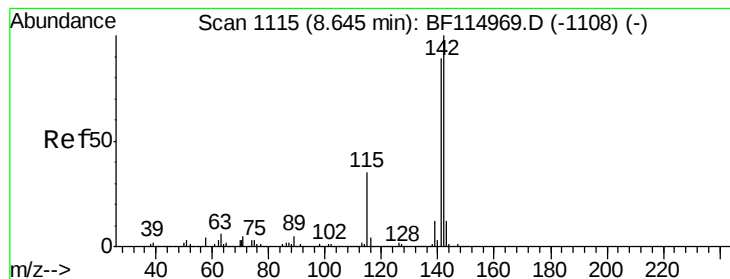
Tot Ion:113 Resp: 34038  
 Ion Ratio Lower Upper  
 113 100  
 55 142.6 127.3 167.3  
 56 110.1 90.6 130.6



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.154 ng  
 RT: 8.49 min Scan# 1088  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

Tgt Ion:107 Resp: 608388  
 Ion Ratio Lower Upper  
 107 100  
 144 26.3 22.0 33.0  
 142 81.9 68.2 102.4





#37

2-Methylnaphthalene

Concen: 47.558 ng

RT: 8.65 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

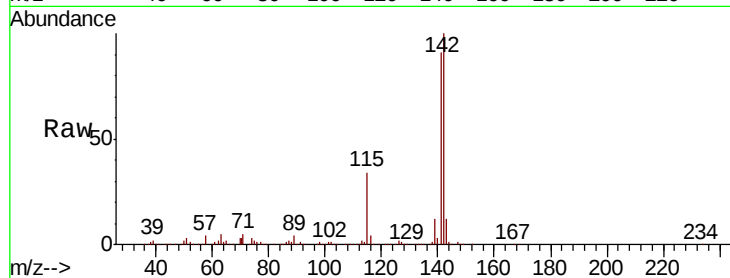
Tot Ion:142 Resp: 1533309

Ion Ratio Lower Upper

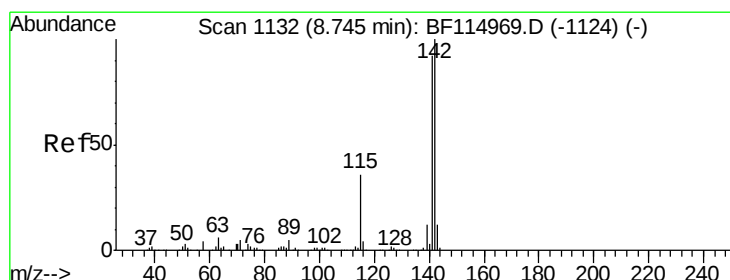
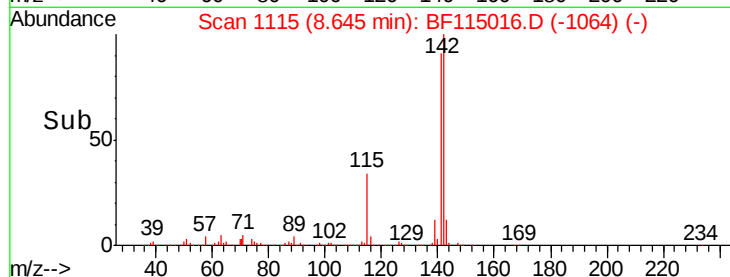
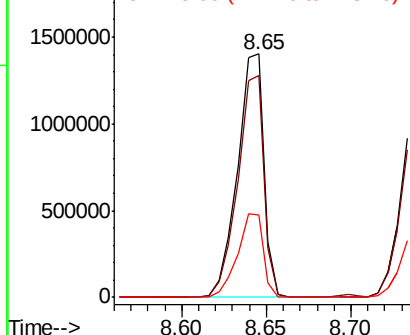
142 100

141 90.9 71.0 106.6

115 33.6 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 47.913 ng

RT: 8.74 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

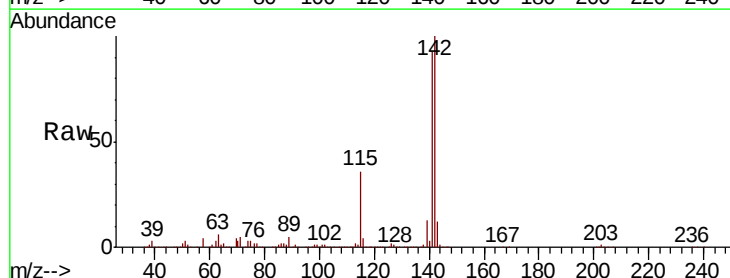
Tgt Ion:142 Resp: 1459991

Ion Ratio Lower Upper

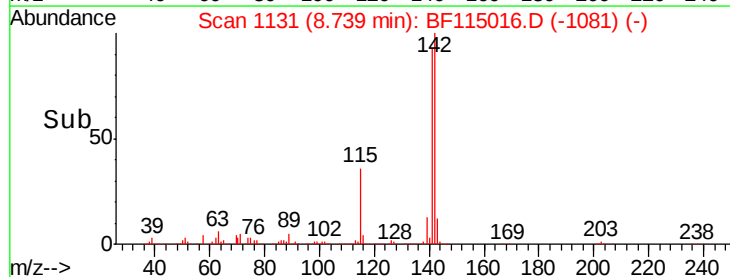
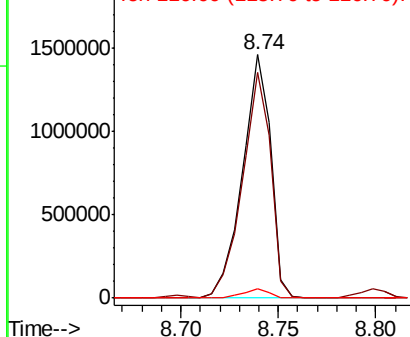
142 100

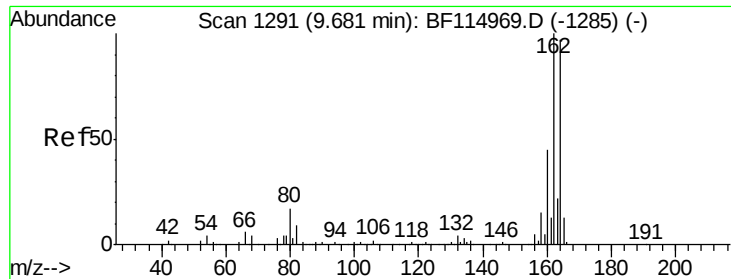
141 92.7 73.8 110.8

116 3.9 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

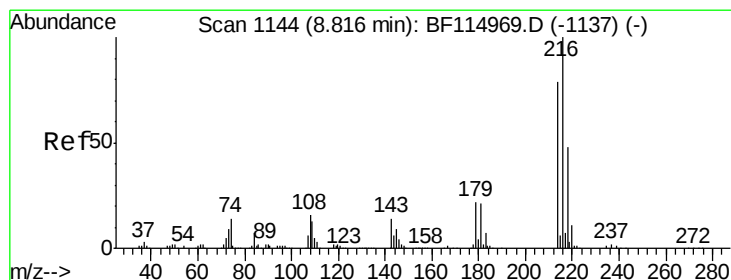
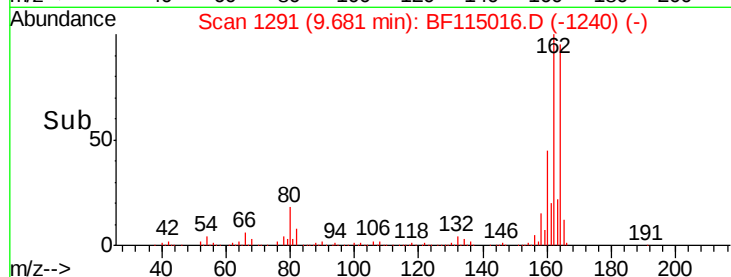
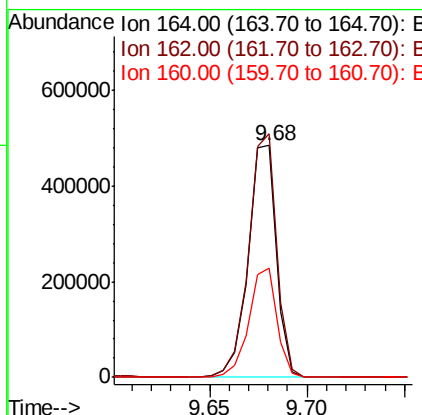
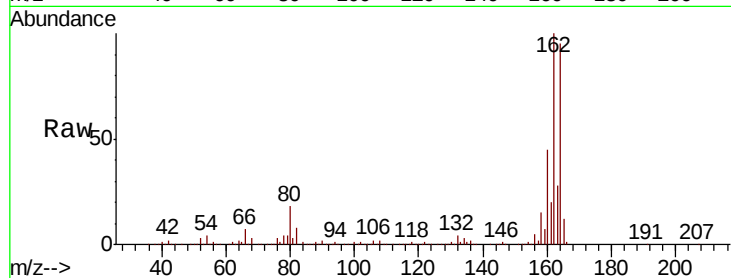




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.68 min Scan# 1291  
Delta R.T. -0.00 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

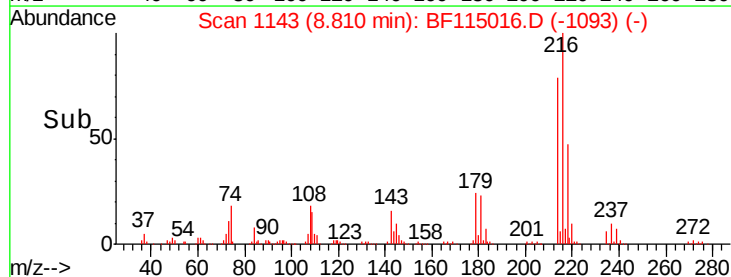
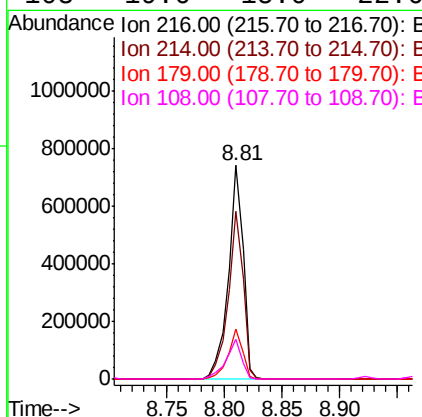
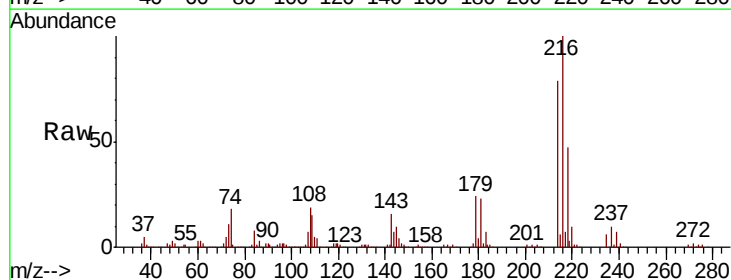
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

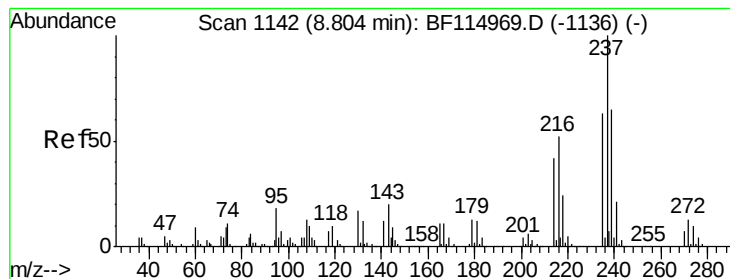
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.1 | 82.6  | 124.0 |
| 160     | 47.3  | 36.9  | 55.3  |



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.609 ng  
RT: 8.81 min Scan# 1143  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.0  | 63.7  | 95.5  |
| 179     | 22.8  | 18.2  | 27.4  |
| 108     | 19.6  | 15.0  | 22.6  |





#41

Hexachlorocyclopentadiene

Concen: 63.285 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

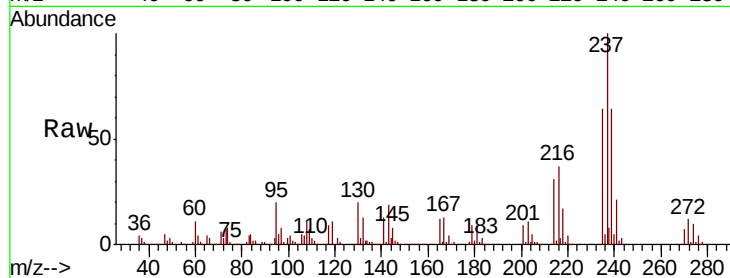
Tot Ion:237 Resp: 448603

Ion Ratio Lower Upper

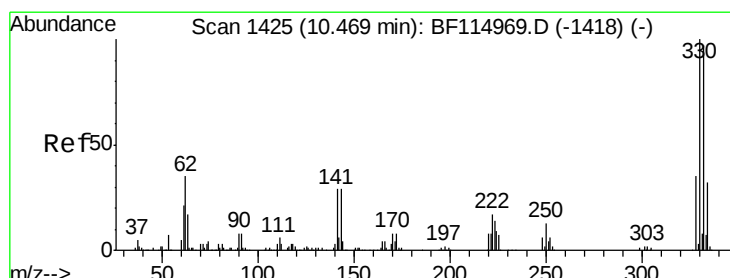
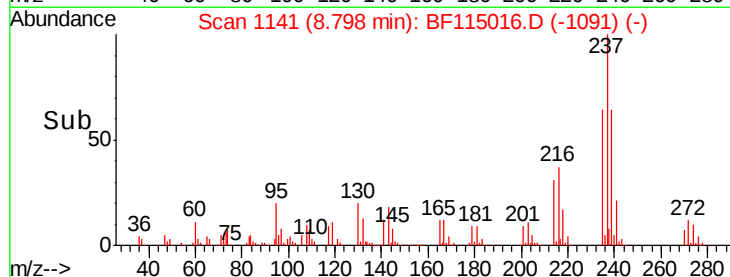
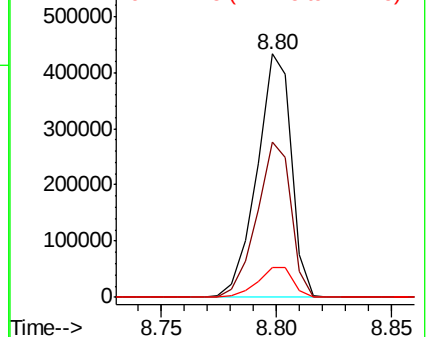
237 100

235 63.5 42.7 82.7

272 12.4 0.0 32.7



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



#42

2,4,6-Tribromophenol

Concen: 116.648 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

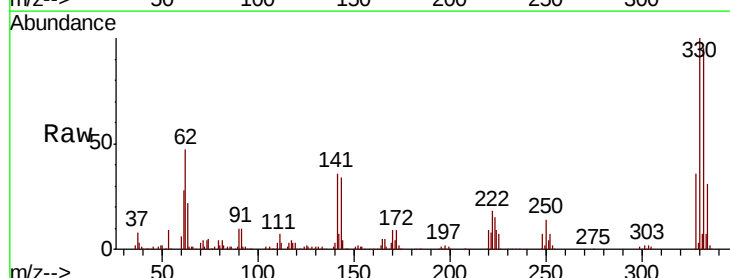
Tgt Ion:330 Resp: 608230

Ion Ratio Lower Upper

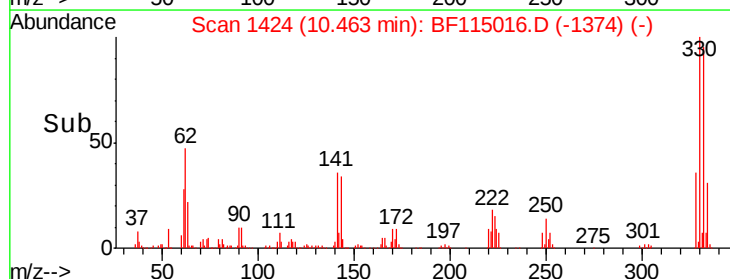
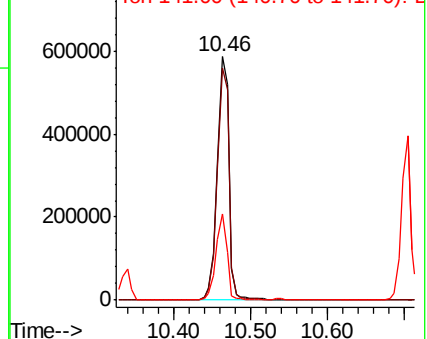
330 100

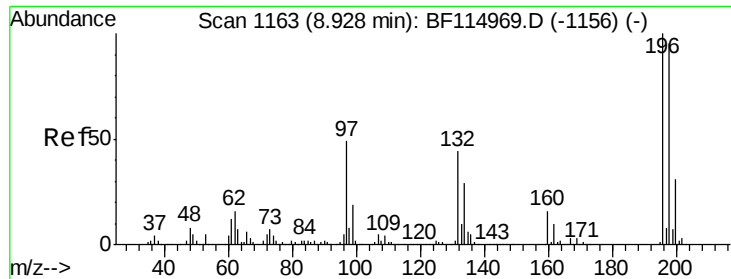
332 95.9 77.6 116.4

141 33.4 27.2 40.8



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

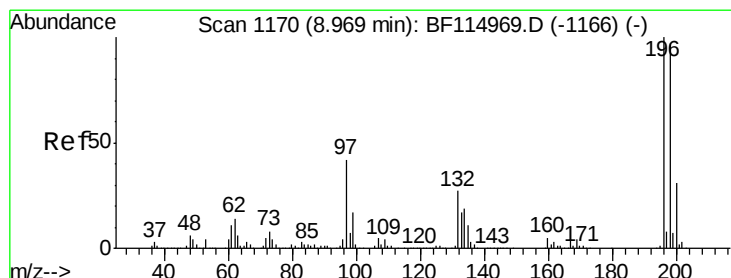
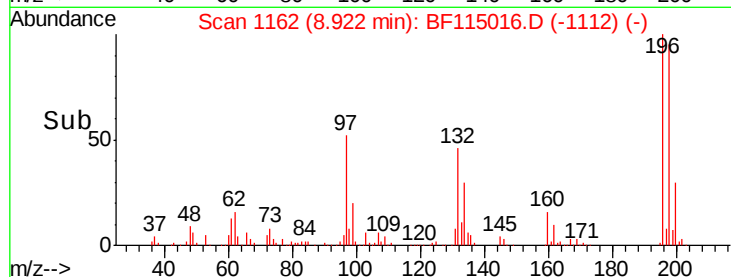
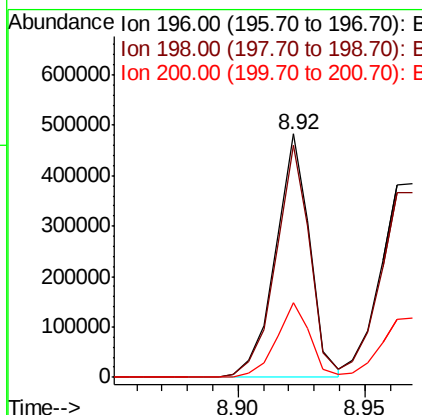
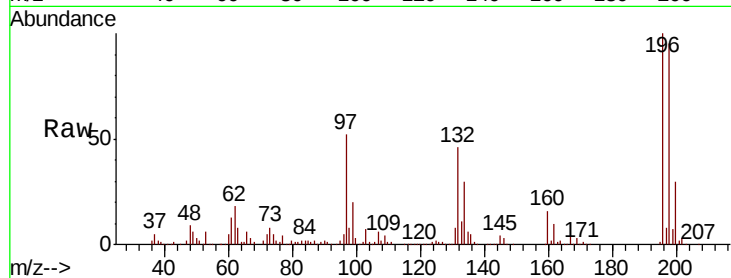




#43  
 2,4,6-Trichlorophenol  
 Concen: 42.202 ng  
 RT: 8.92 min Scan# 1162  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

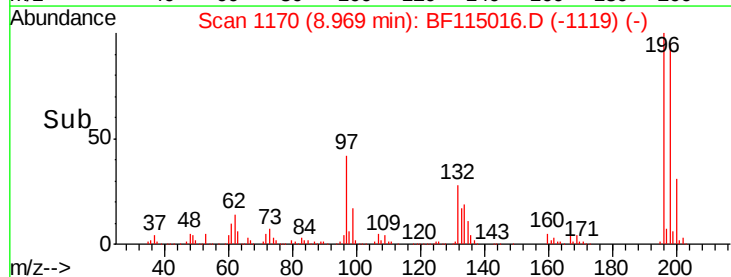
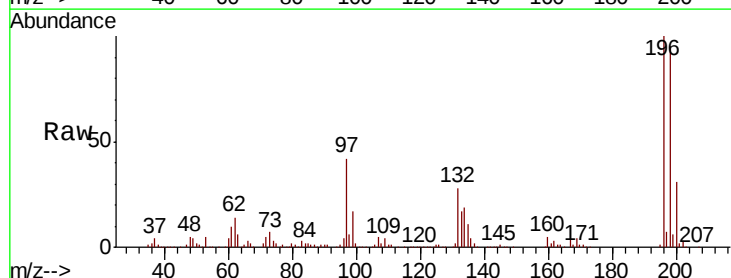
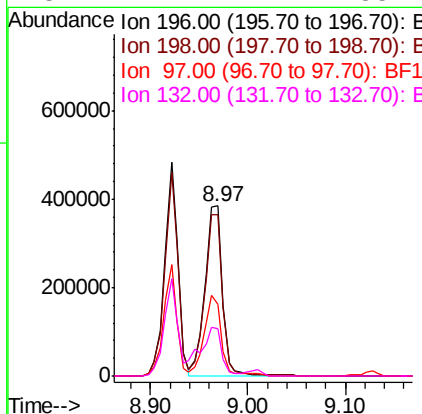
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5\_061219MSD

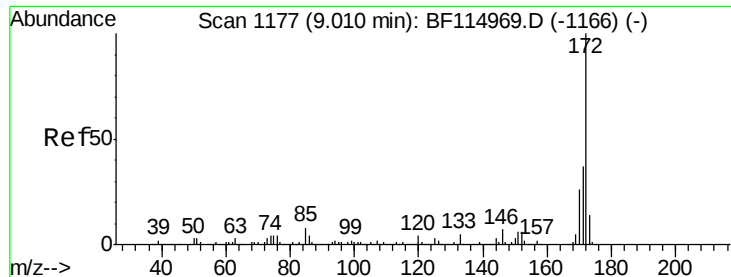
Tot Ion:196 Resp: 453443  
 Ion Ratio Lower Upper  
 196 100  
 198 95.2 75.8 113.8  
 200 30.5 24.9 37.3



#44  
 2,4,5-Trichlorophenol  
 Concen: 43.955 ng  
 RT: 8.97 min Scan# 1170  
 Delta R.T. -0.00 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

Tgt Ion:196 Resp: 477277  
 Ion Ratio Lower Upper  
 196 100  
 198 95.1 77.3 115.9  
 97 42.3 34.2 51.4  
 132 27.7 22.1 33.1

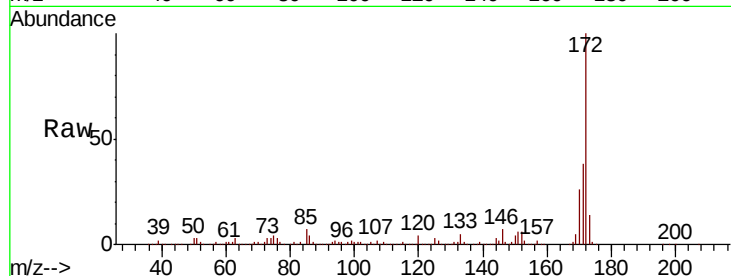




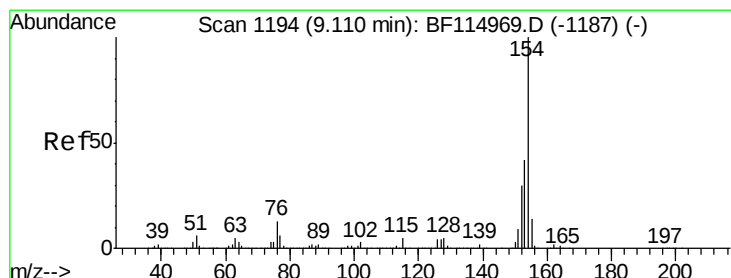
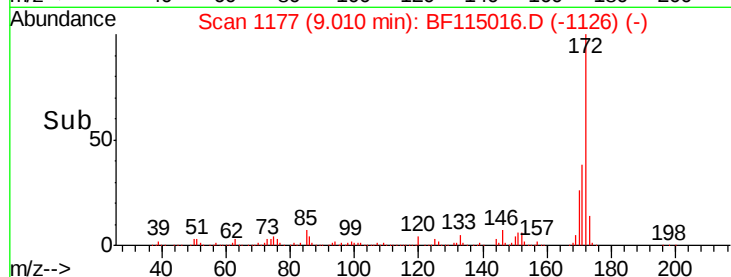
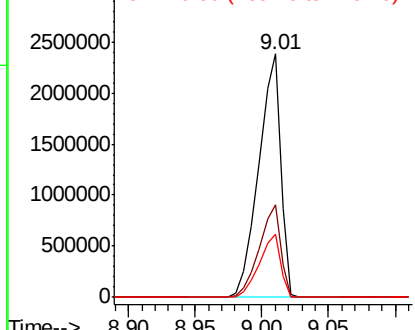
#45  
2-Fluorobiphenyl  
Concen: 93.764 ng  
RT: 9.01 min Scan# 1177  
Delta R.T. -0.00 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

Tot Ion:172 Resp: 2693806  
Ion Ratio Lower Upper  
172 100  
171 37.9 29.8 44.6  
170 25.8 20.6 31.0

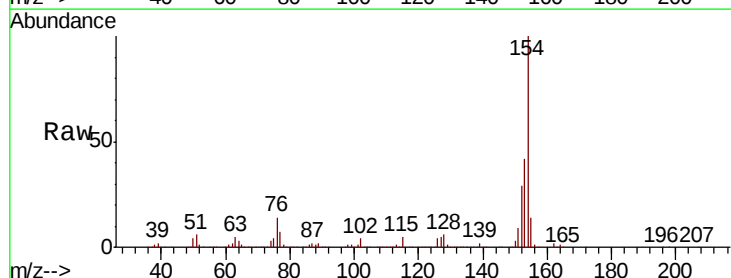


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

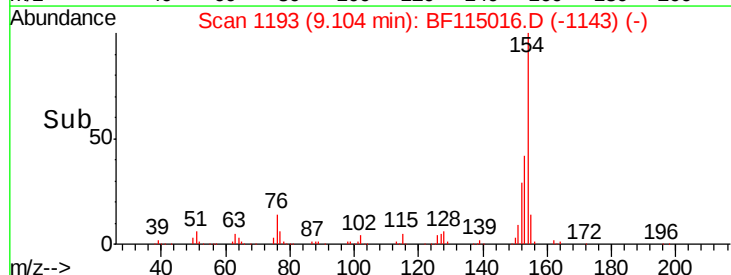
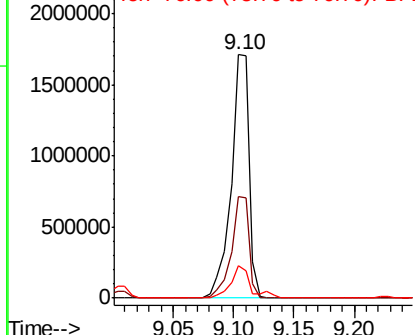


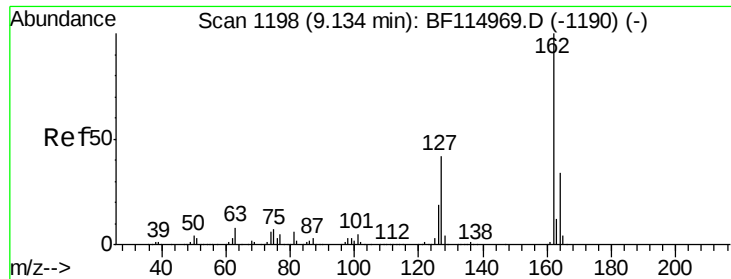
#46  
1,1'-Biphenyl  
Concen: 45.251 ng  
RT: 9.10 min Scan# 1193  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion:154 Resp: 1765643  
Ion Ratio Lower Upper  
154 100  
153 41.6 22.4 62.4  
76 13.5 0.0 33.3



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

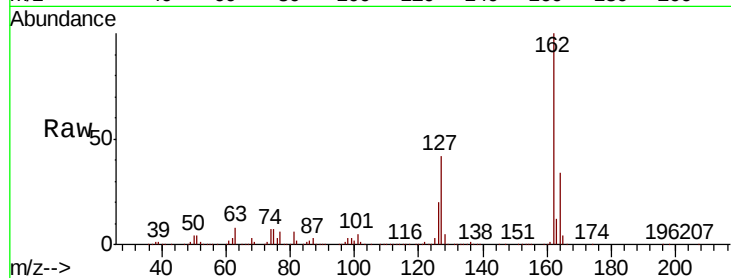




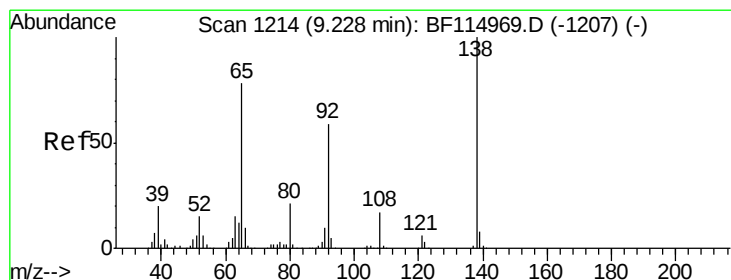
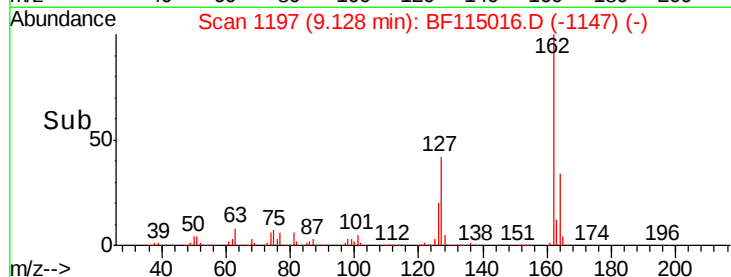
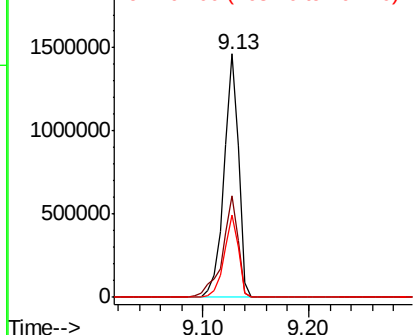
#47  
2-Chloronaphthalene  
Concen: 44.420 ng  
RT: 9.13 min Scan# 1197  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

Tot Ion:162 Resp: 1401573  
Ion Ratio Lower Upper  
162 100  
127 41.6 33.4 50.2  
164 33.6 27.2 40.8

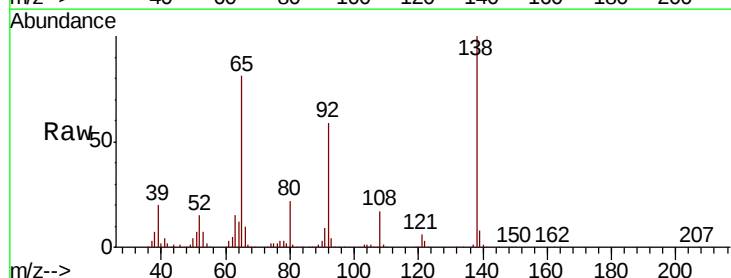


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

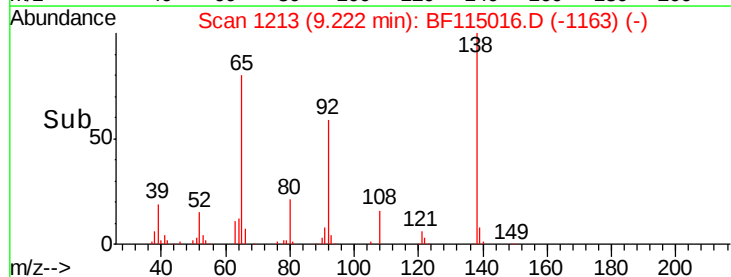
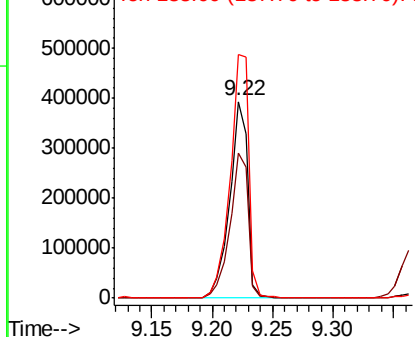


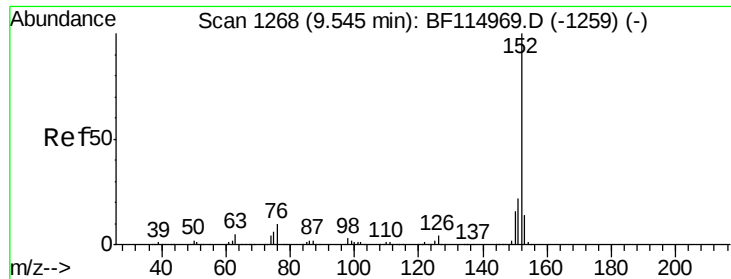
#48  
2-Nitroaniline  
Concen: 43.700 ng  
RT: 9.22 min Scan# 1213  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion: 65 Resp: 407552  
Ion Ratio Lower Upper  
65 100  
92 73.5 60.5 90.7  
138 123.7 102.0 153.0



Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 44.205 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

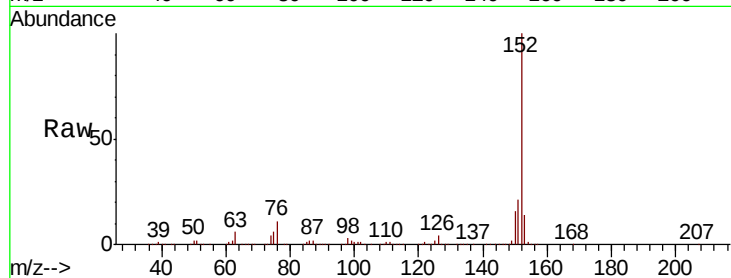
Tot Ion:152 Resp: 2144500

Ion Ratio Lower Upper

152 100

151 21.5 17.5 26.3

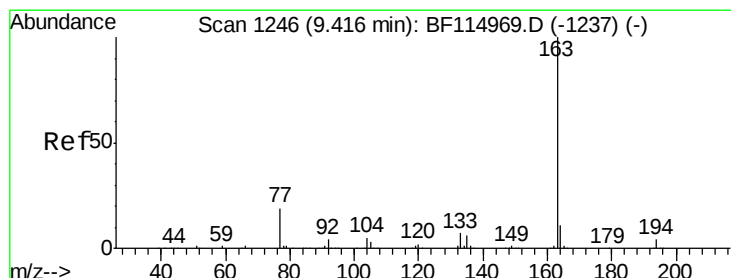
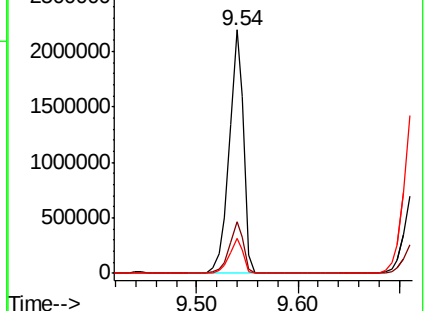
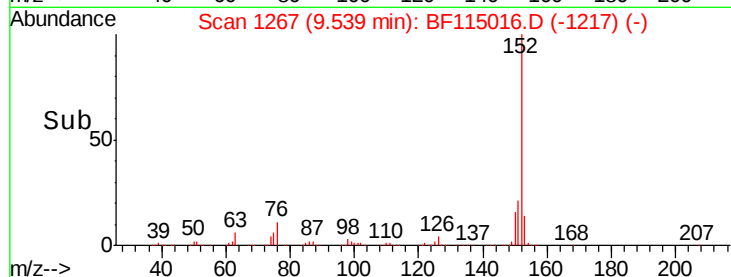
153 14.2 11.2 16.8



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: 45.702 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

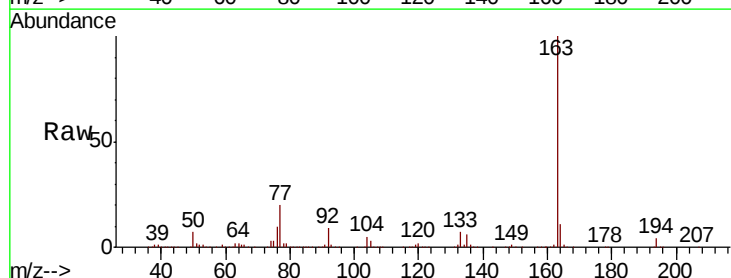
Tgt Ion:163 Resp: 1673529

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

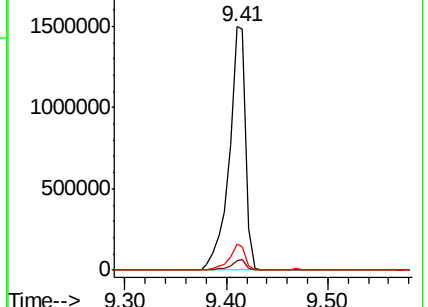
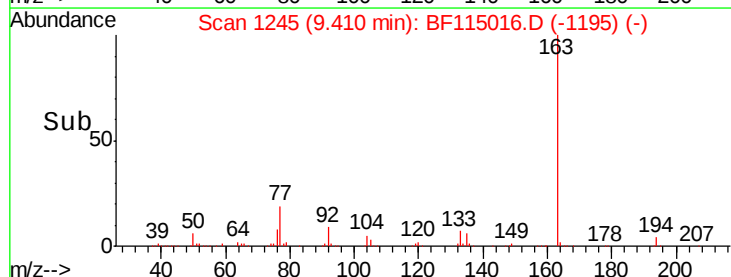
164 10.7 8.6 12.8

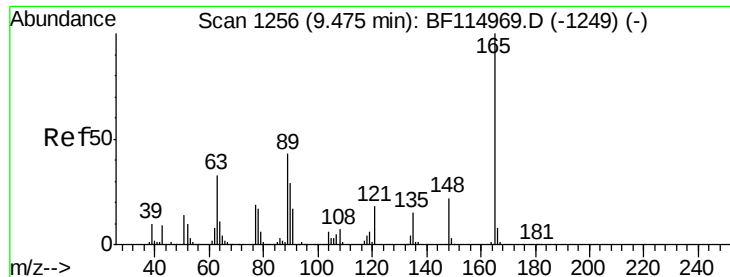


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

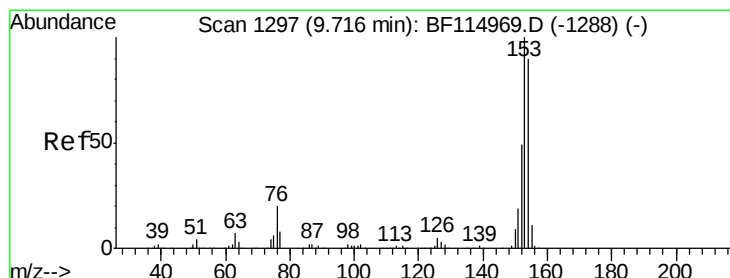
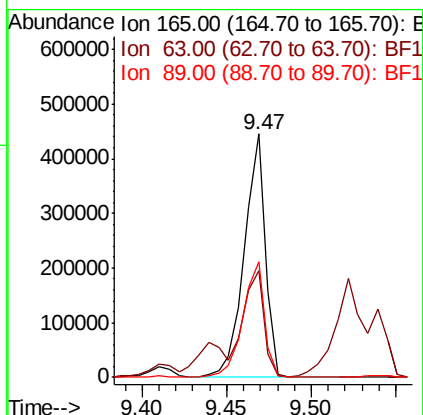
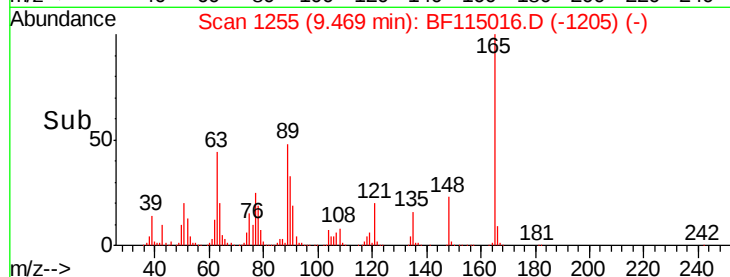
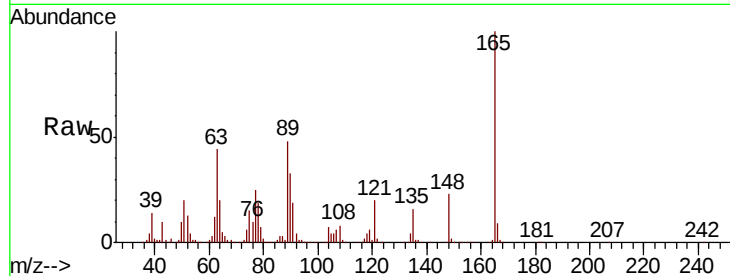




#51  
2,6-Dinitrotoluene  
Concen: 47.203 ng  
RT: 9.47 min Scan# 1255  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

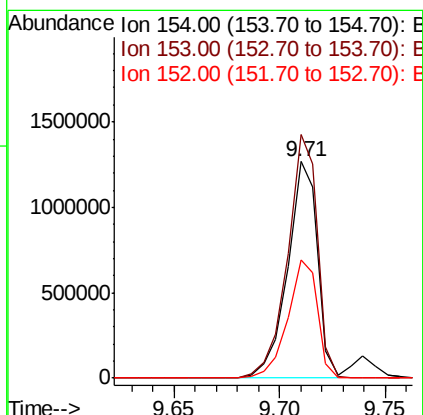
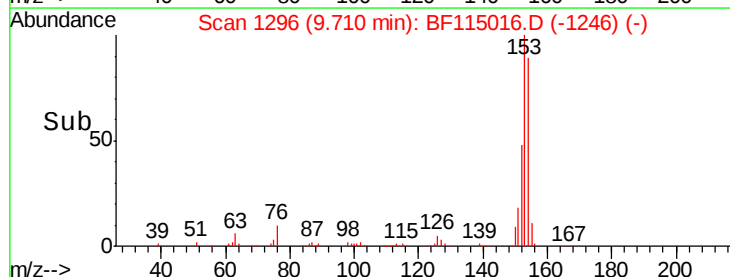
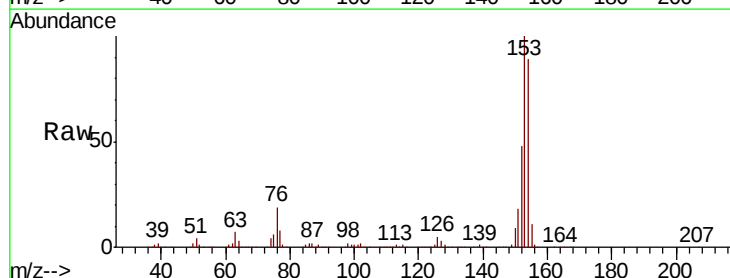
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

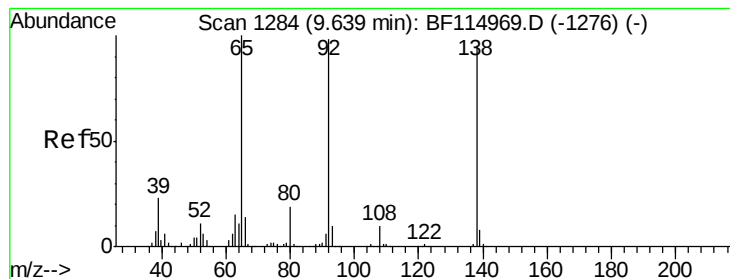
Tot Ion:165 Resp: 392087  
Ion Ratio Lower Upper  
165 100  
63 43.7 30.6 46.0  
89 47.6 34.4 51.6



#52  
Acenaphthene  
Concen: 45.383 ng  
RT: 9.71 min Scan# 1296  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion:154 Resp: 1259639  
Ion Ratio Lower Upper  
154 100  
153 112.5 88.5 132.7  
152 54.5 43.6 65.4





#53

3-Nitroaniline

Concen: 18.869 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

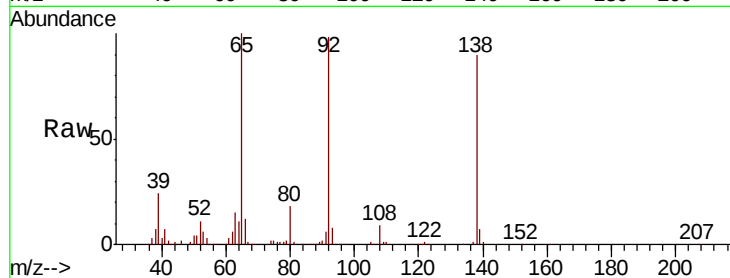
Tot Ion:138 Resp: 192032

Ion Ratio Lower Upper

138 100

108 10.2 8.0 12.0

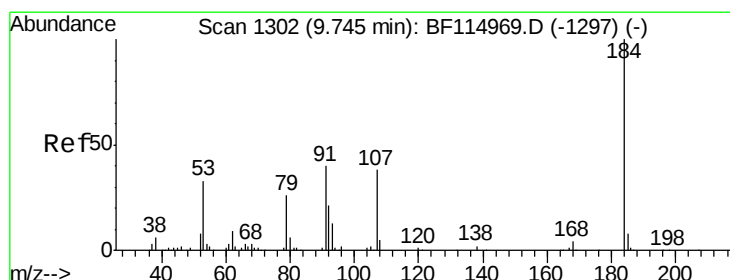
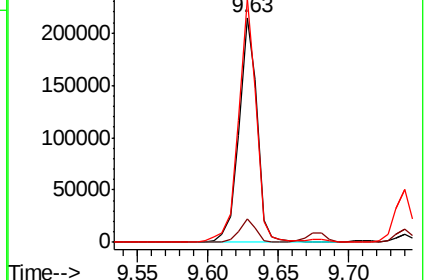
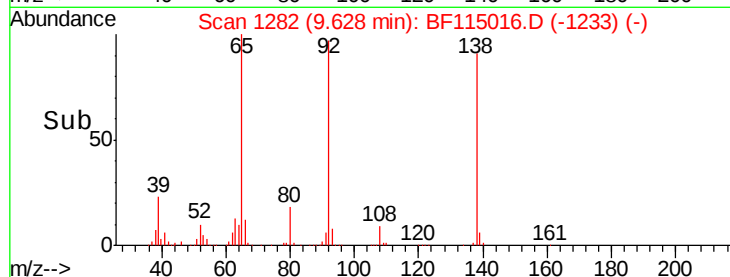
92 108.3 82.4 123.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 46.581 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

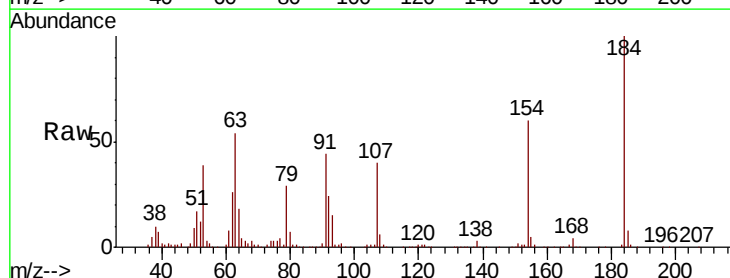
Tgt Ion:184 Resp: 187675

Ion Ratio Lower Upper

184 100

63 54.2 40.5 60.7

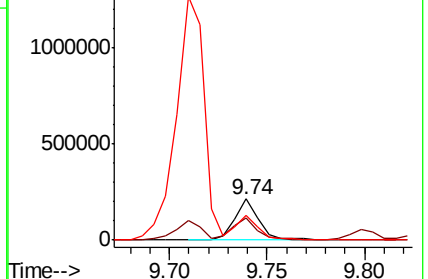
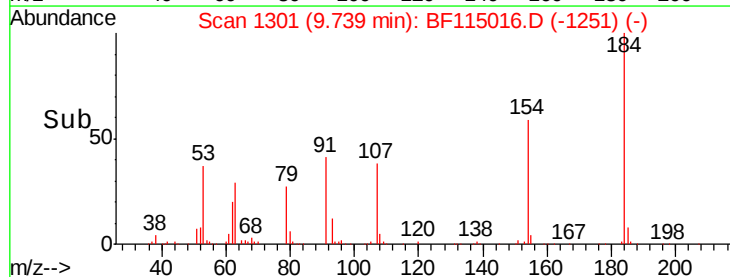
154 59.5 44.8 67.2

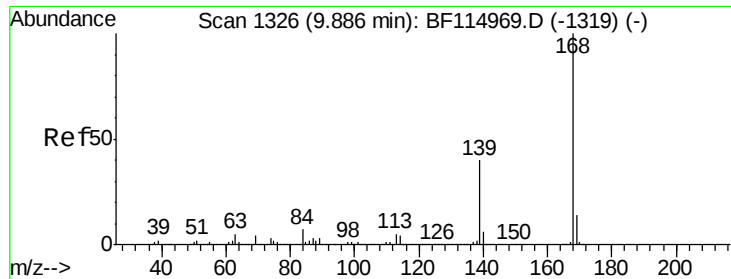


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

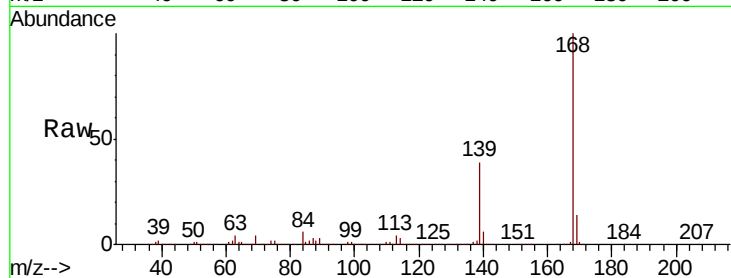




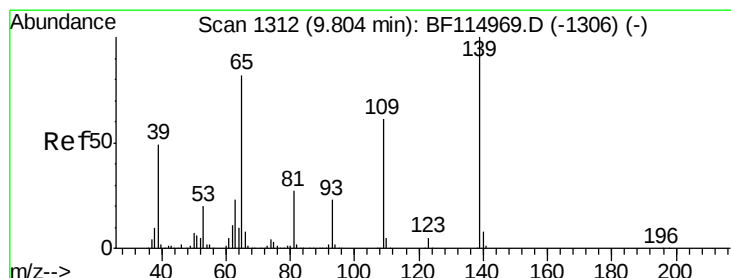
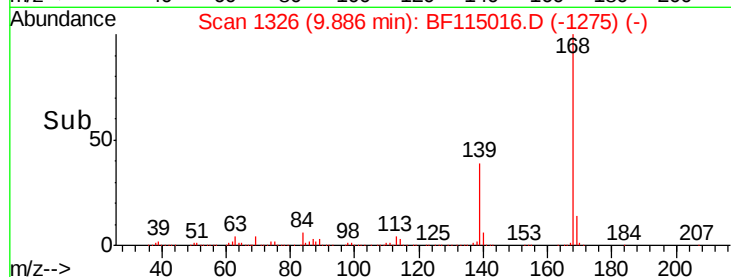
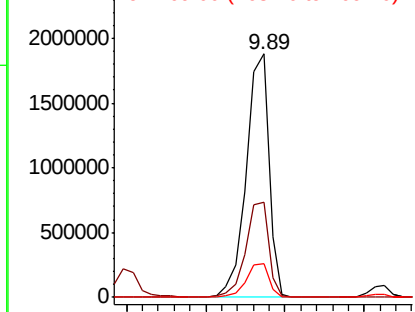
#55  
Dibenzenofuran  
Concen: 44.691 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. -0.00 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

Tot Ion:168 Resp: 1869461  
Ion Ratio Lower Upper  
168 100  
139 39.1 32.5 48.7  
169 13.8 11.5 17.3

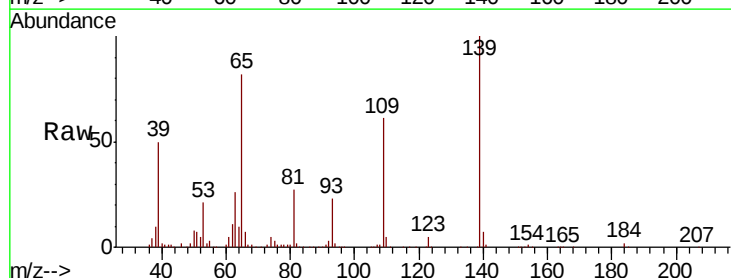


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

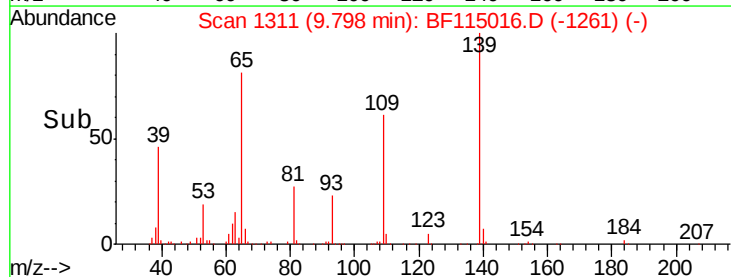
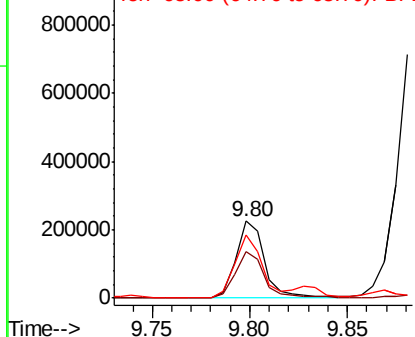


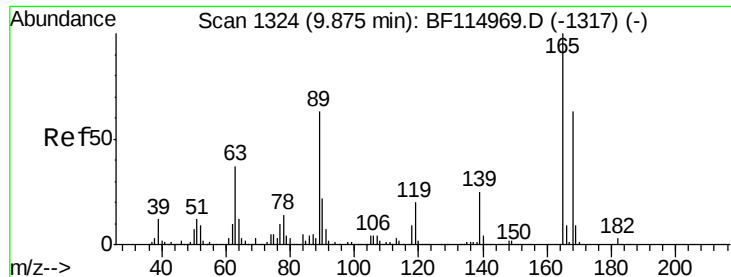
#56  
4-Nitrophenol  
Concen: 32.885 ng  
RT: 9.80 min Scan# 1311  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion:139 Resp: 230789  
Ion Ratio Lower Upper  
139 100  
109 61.1 41.4 81.4  
65 82.1 62.7 102.7



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

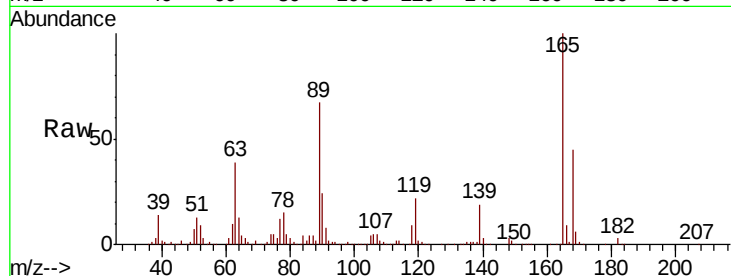




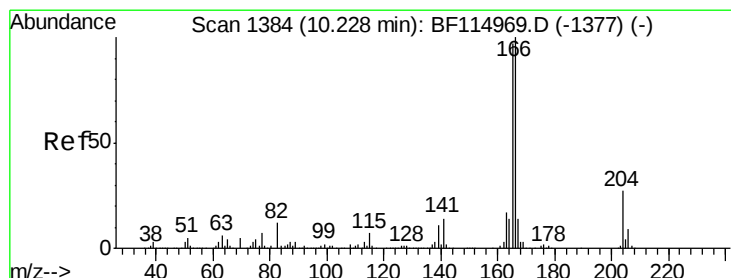
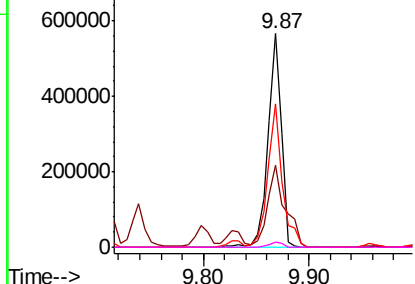
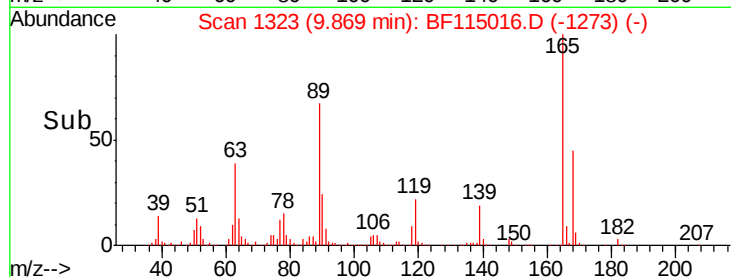
#57  
 2,4-Dinitrotoluene  
 Concen: 47.244 ng  
 RT: 9.87 min Scan# 1323  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5\_061219MSD

Tot Ion:165 Resp: 499482  
 Ion Ratio Lower Upper  
 165 100  
 63 38.6 29.4 44.2  
 89 67.2 50.6 75.8  
 182 2.6 2.2 3.2

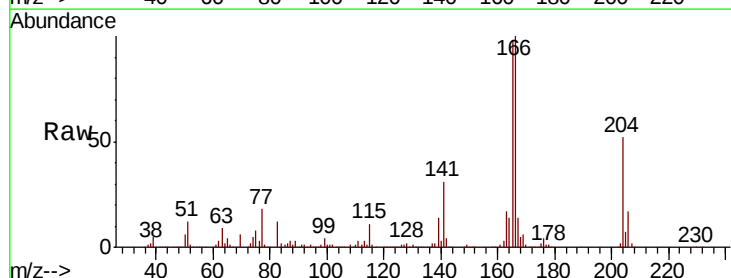


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

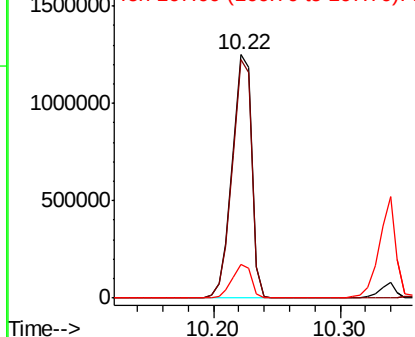
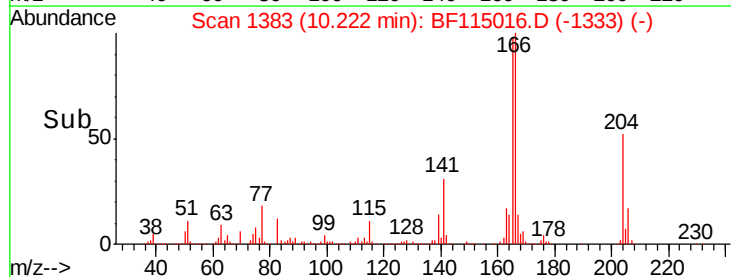


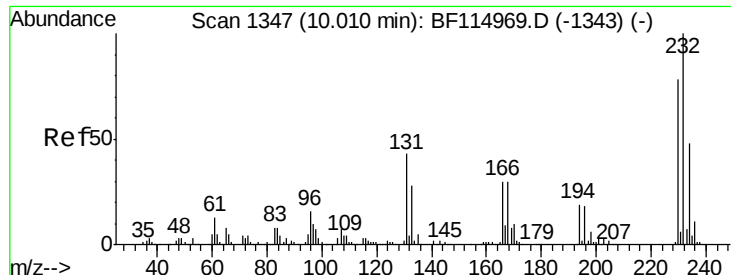
#58  
 Fluorene  
 Concen: 47.896 ng  
 RT: 10.22 min Scan# 1383  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

Tgt Ion:166 Resp: 1323572  
 Ion Ratio Lower Upper  
 166 100  
 165 98.0 77.6 116.4  
 167 13.7 11.0 16.4



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

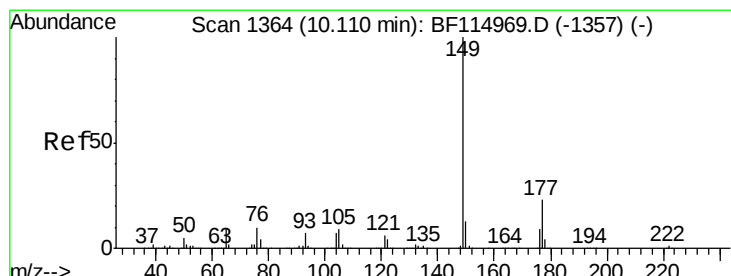
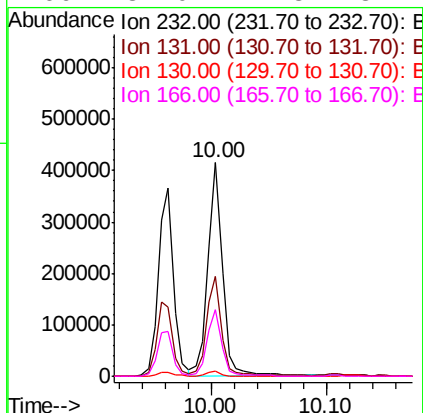
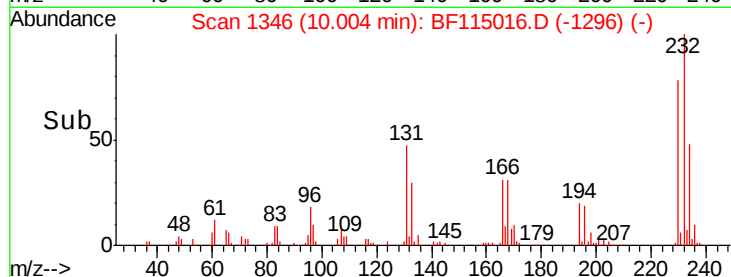
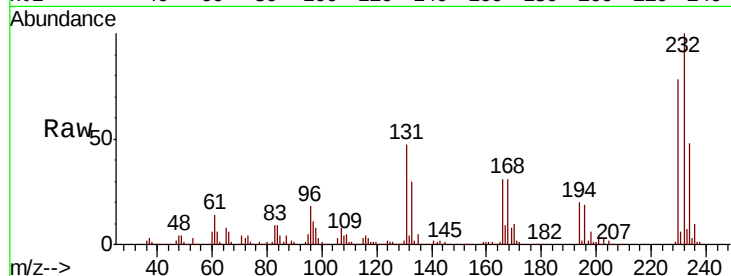




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 41.957 ng  
 RT: 10.00 min Scan# 1346  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

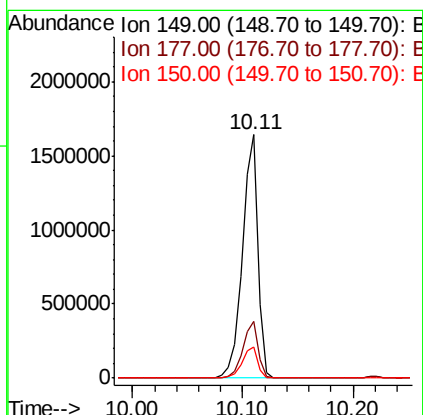
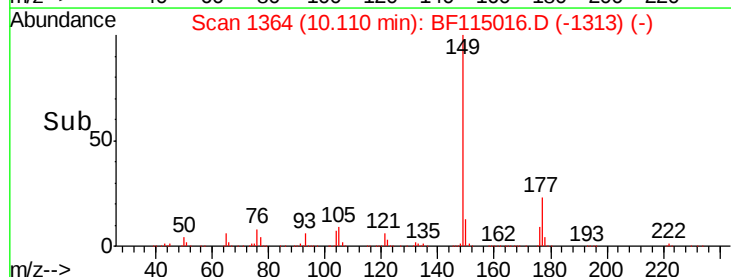
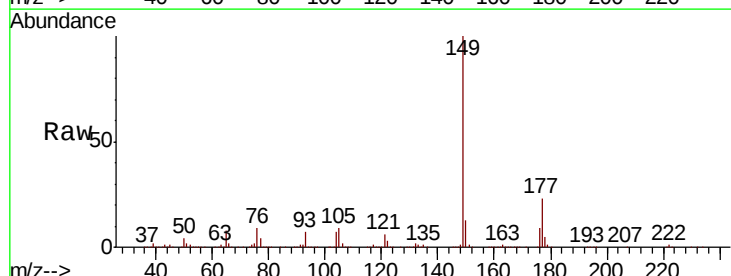
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5\_061219MSD

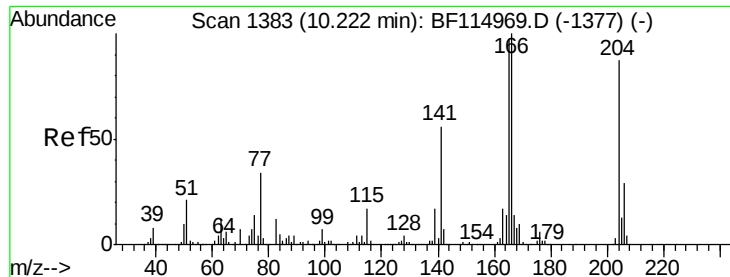
Tot Ion:232 Resp: 368006  
 Ion Ratio Lower Upper  
 232 100  
 131 47.4 36.9 55.3  
 130 2.2 1.8 2.6  
 166 31.0 24.8 37.2



#60  
 Diethylphthalate  
 Concen: 46.058 ng  
 RT: 10.11 min Scan# 1364  
 Delta R.T. -0.00 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

Tgt Ion:149 Resp: 1612645  
 Ion Ratio Lower Upper  
 149 100  
 177 23.3 18.6 27.8  
 150 13.0 10.5 15.7





#61

4-Chlorophenyl-phenylether

Concen: 47.215 ng

RT: 10.22 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

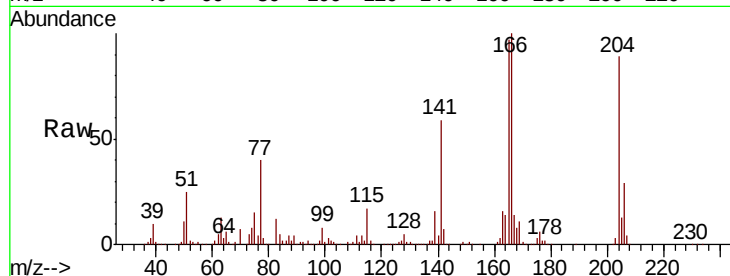
Tot Ion:204 Resp: 647314

Ion Ratio Lower Upper

204 100

206 32.9 26.5 39.7

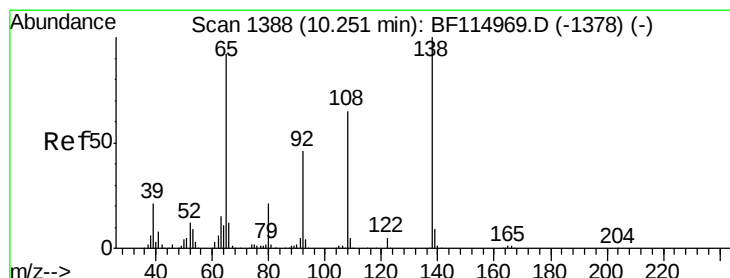
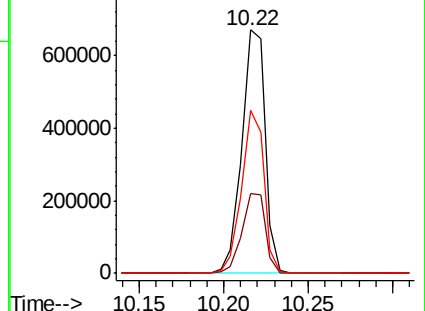
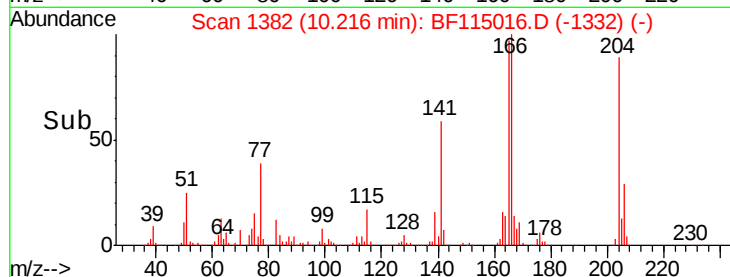
141 66.8 51.8 77.8



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: 36.527 ng

RT: 10.25 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

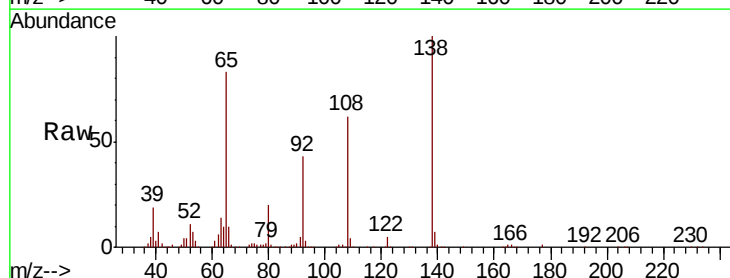
Tgt Ion:138 Resp: 373764

Ion Ratio Lower Upper

138 100

92 42.5 25.7 65.7

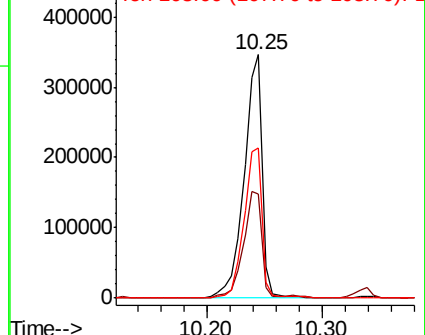
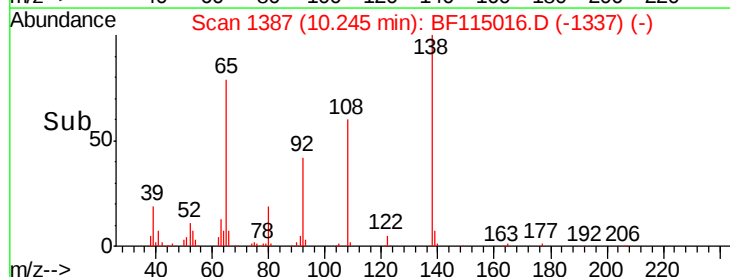
108 61.7 44.6 84.6

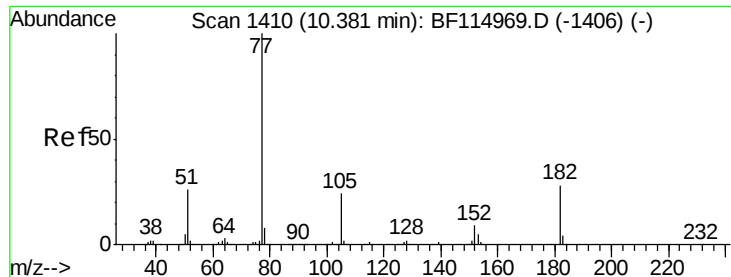


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 45.902 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.00 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

Tot Ion: 77 Resp: 1406044

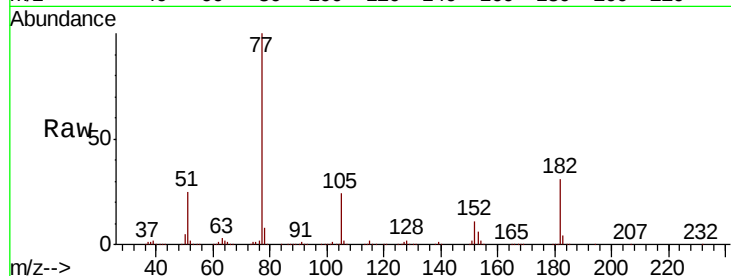
Ion Ratio Lower Upper

77 100

182 31.3 7.4 47.4

105 24.5 4.2 44.2

51 24.9 6.2 46.2

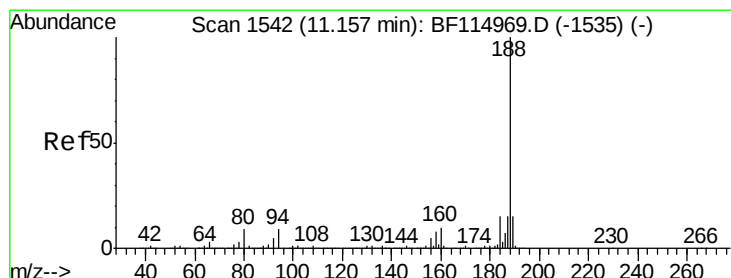
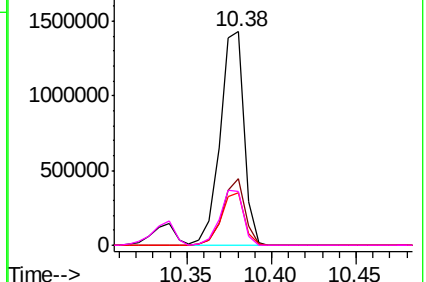
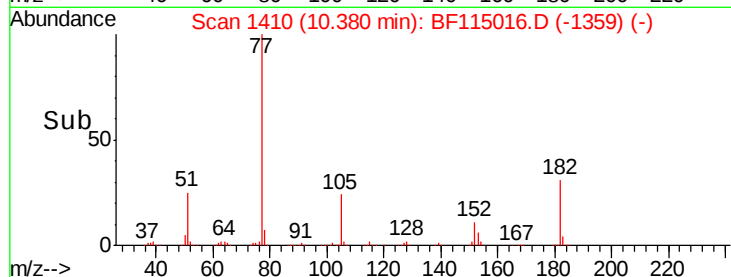


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.15 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

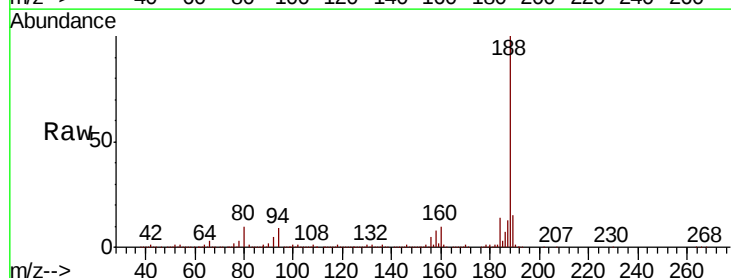
Tgt Ion: 188 Resp: 882921

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

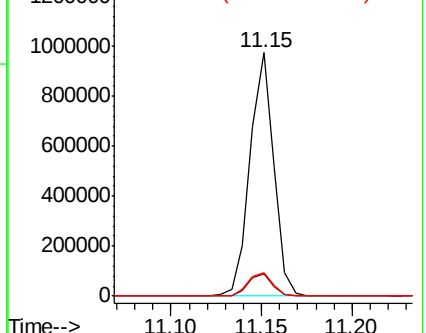
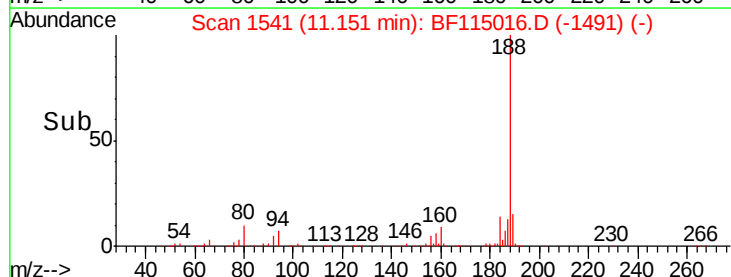
80 9.7 7.4 11.2

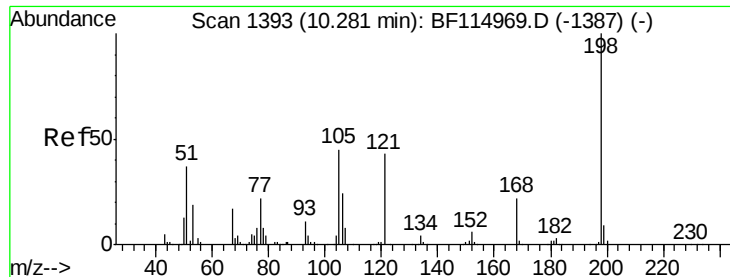


Abundance Ion 188.00 (187.70 to 188.70): E

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: 28.489 ng

RT: 10.27 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

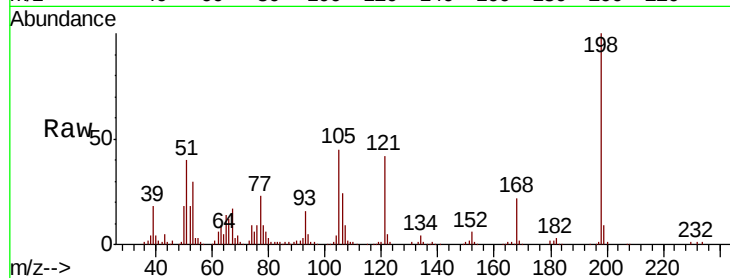
BNA\_F

ClientSampleId :

MW-5\_061219MSD

Tot Ion:198 Resp: 140983

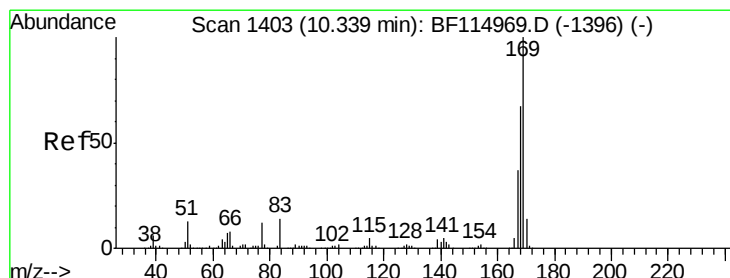
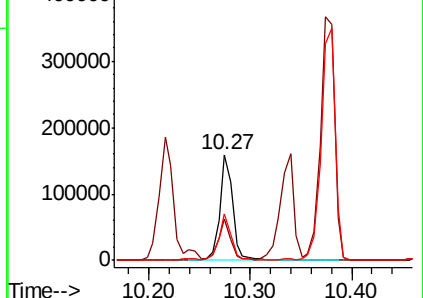
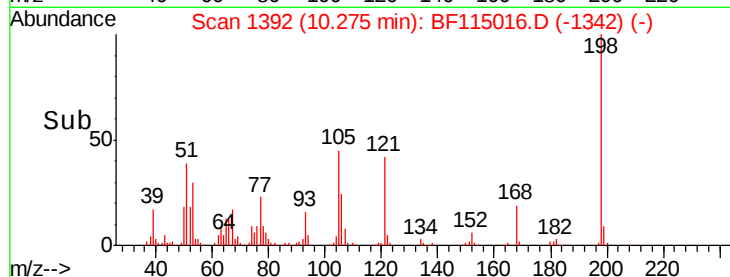
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 39.6  | 23.0  | 63.0  |
| 105 | 44.7  | 26.5  | 66.5  |



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 49.122 ng

RT: 10.34 min Scan# 1403

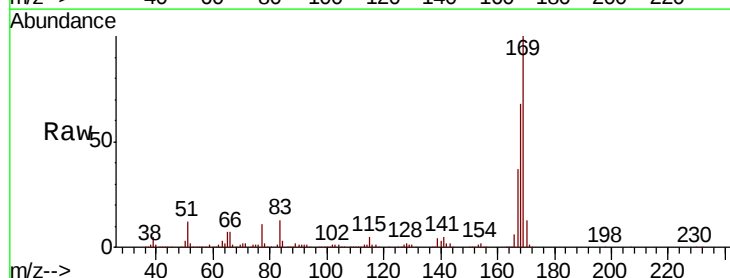
Delta R.T. -0.00 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Tgt Ion:169 Resp: 1296424

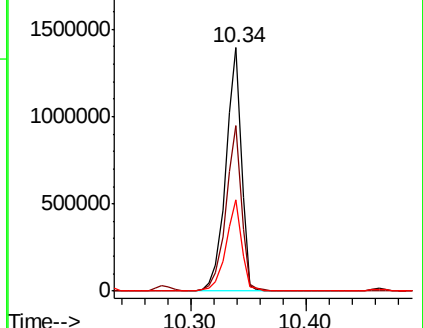
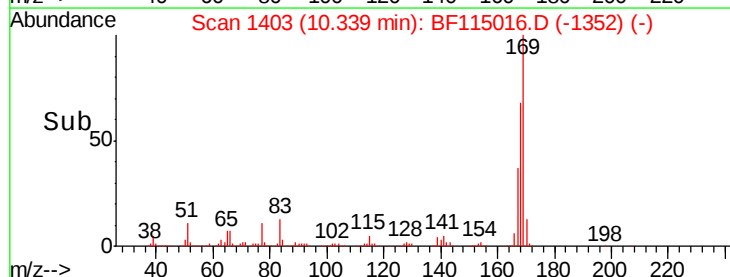
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 67.9  | 53.6  | 80.4  |
| 167 | 37.4  | 29.6  | 44.4  |

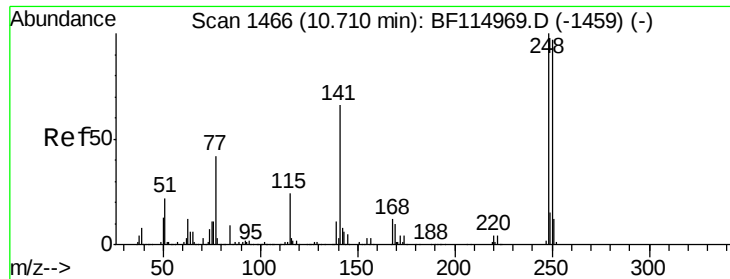


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

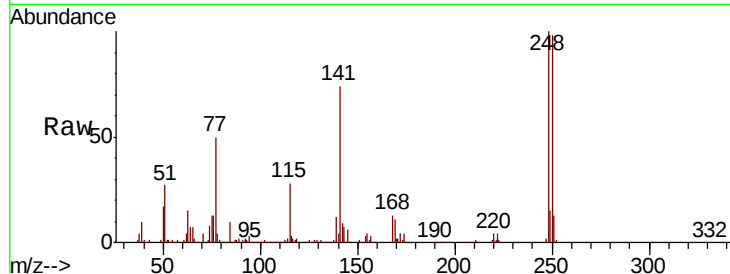




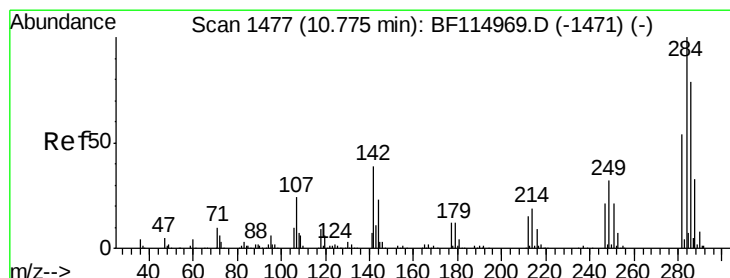
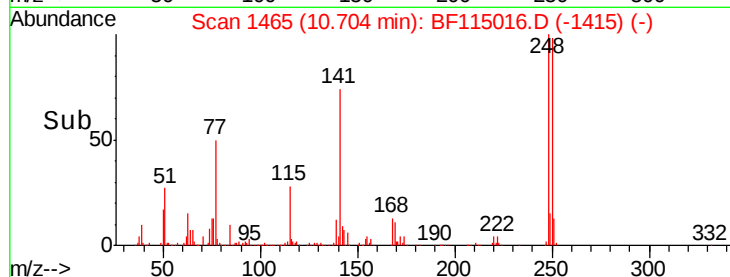
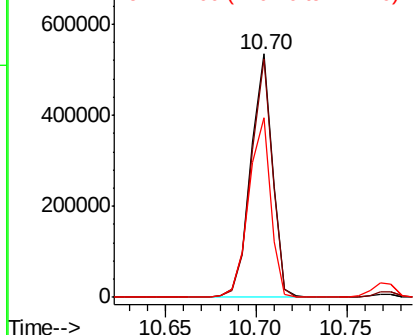
#67  
4-Bromophenyl-phenylether  
Concen: 46.839 ng  
RT: 10.70 min Scan# 1465  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

Tot Ion:248 Resp: 444030  
Ion Ratio Lower Upper  
248 100  
250 97.8 77.8 116.8  
141 74.0 53.1 79.7

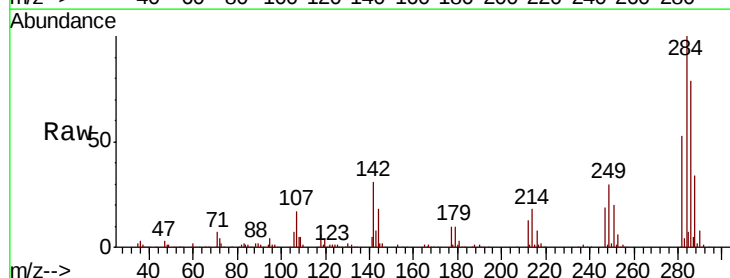


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

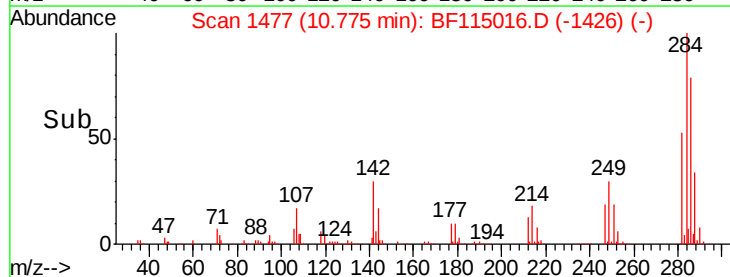
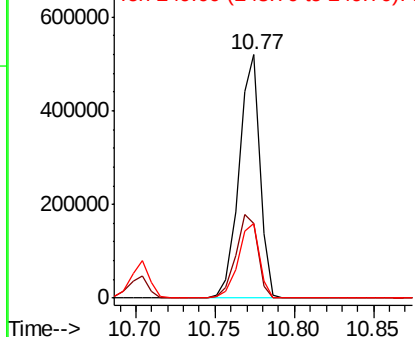


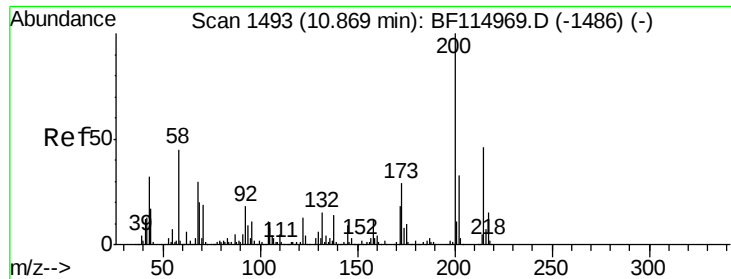
#68  
Hexachlorobenzene  
Concen: 45.322 ng  
RT: 10.77 min Scan# 1477  
Delta R.T. -0.00 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion:284 Resp: 473022  
Ion Ratio Lower Upper  
284 100  
142 30.6 31.5 47.3#  
249 30.5 25.6 38.4



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

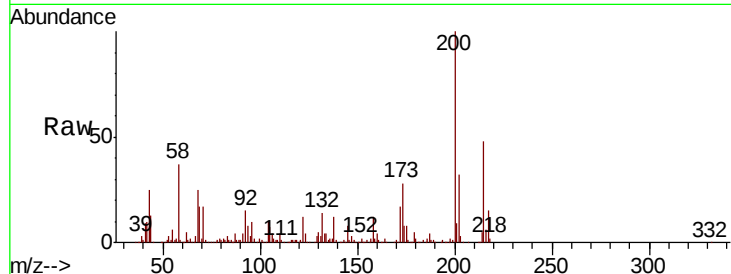




#69  
Atrazine  
Concen: 49.651 ng  
RT: 10.87 min Scan# 1493  
Delta R.T. -0.00 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.8  | 9.0   | 49.0  |
| 215     | 47.9  | 26.5  | 66.5  |

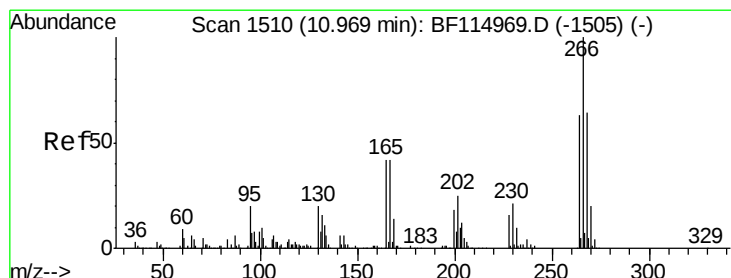
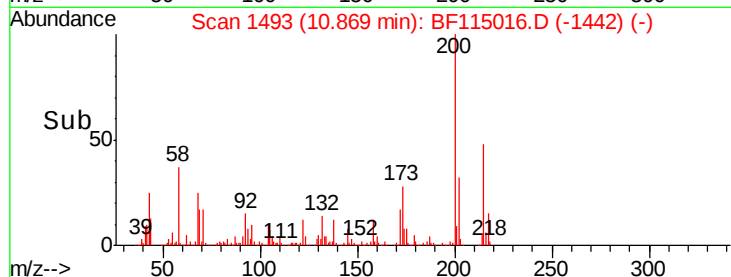
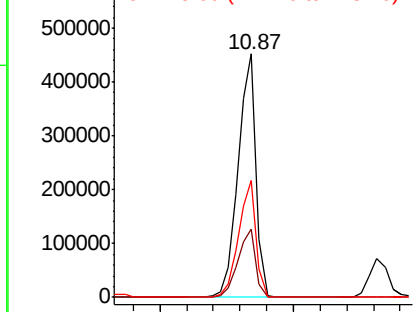


Abundance

Ion 200.00 (199.70 to 200.70): E

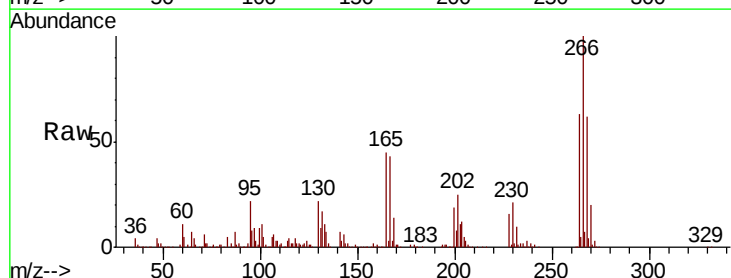
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70  
Pentachlorophenol  
Concen: 71.589 ng  
RT: 10.96 min Scan# 1509  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.5  | 51.4  | 77.2  |
| 264     | 62.8  | 50.3  | 75.5  |

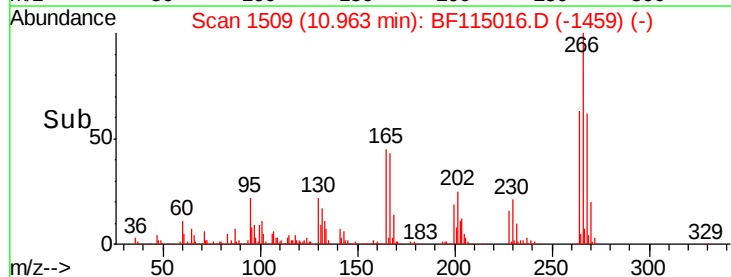
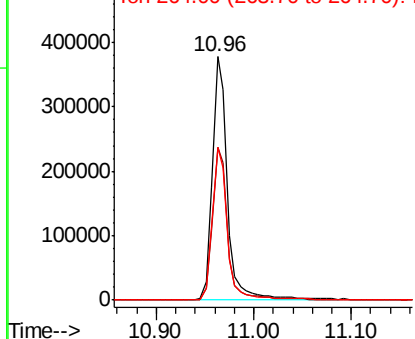


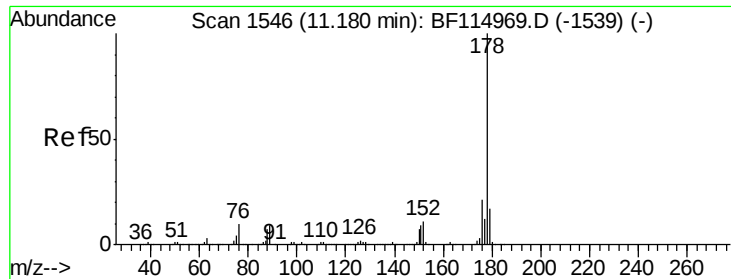
Abundance

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

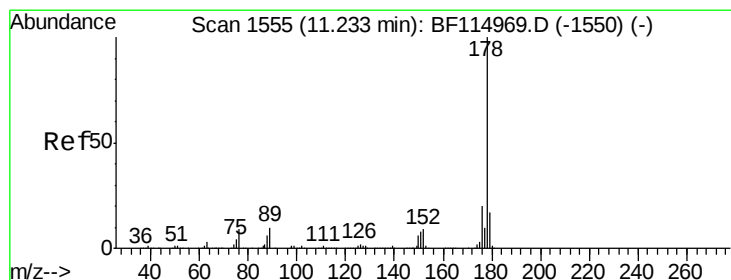
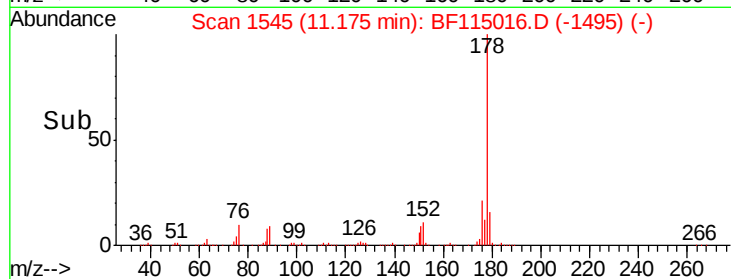
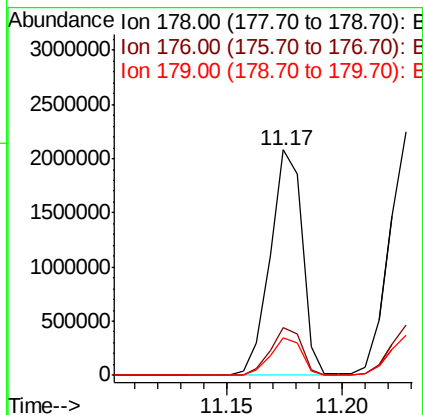
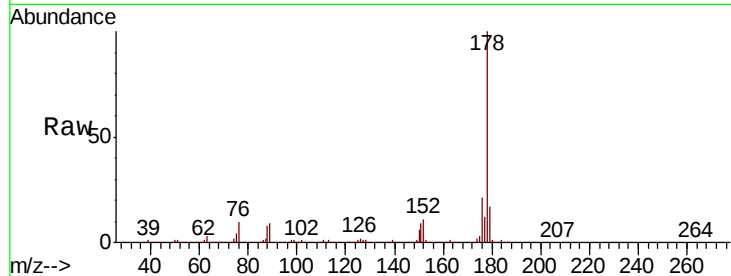




#71  
Phenanthrene  
Concen: 44.085 ng  
RT: 11.17 min Scan# 1545  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

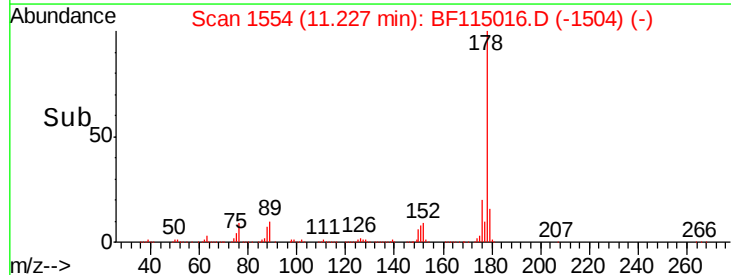
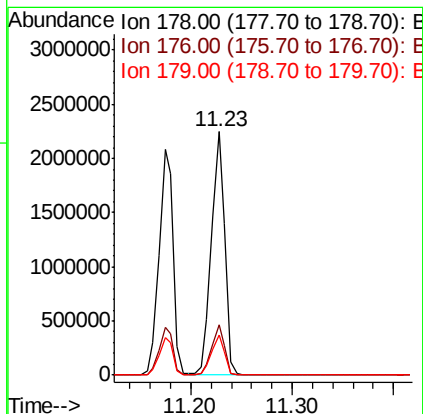
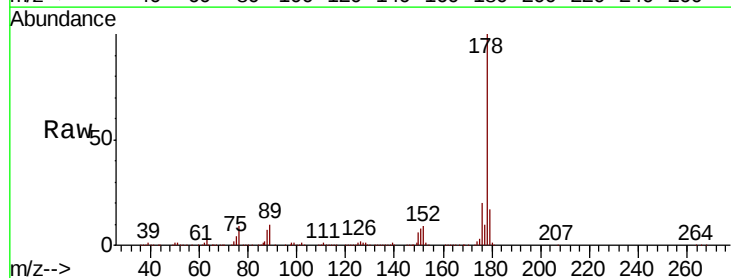
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

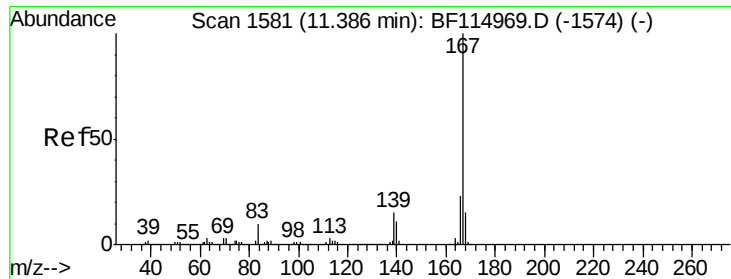
Tot Ion:178 Resp: 2009699  
Ion Ratio Lower Upper  
178 100  
176 21.0 16.9 25.3  
179 16.6 13.4 20.0



#72  
Anthracene  
Concen: 45.159 ng  
RT: 11.23 min Scan# 1554  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion:178 Resp: 2076830  
Ion Ratio Lower Upper  
178 100  
176 20.5 16.2 24.4  
179 16.5 13.2 19.8





#73

Carbazole

Concen: 45.483 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

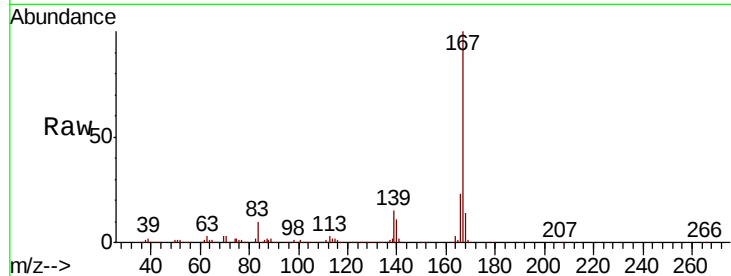
Tot Ion:167 Resp: 1825734

Ion Ratio Lower Upper

167 100

166 22.8 18.5 27.7

139 14.7 12.0 18.0

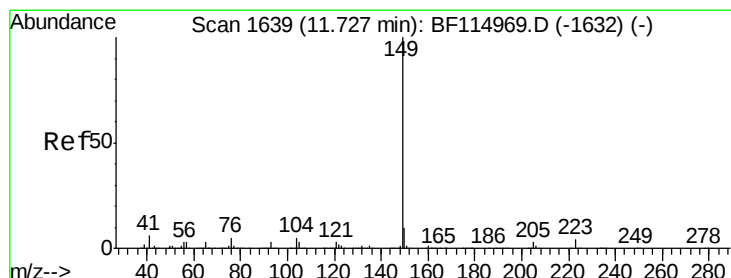
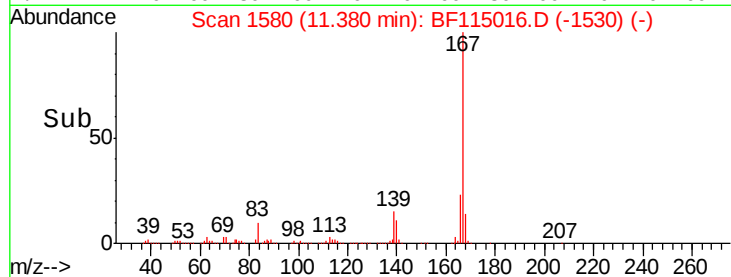
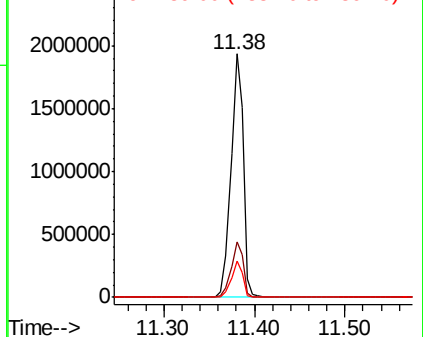


Abundance

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: 45.360 ng

RT: 11.72 min Scan# 1638

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

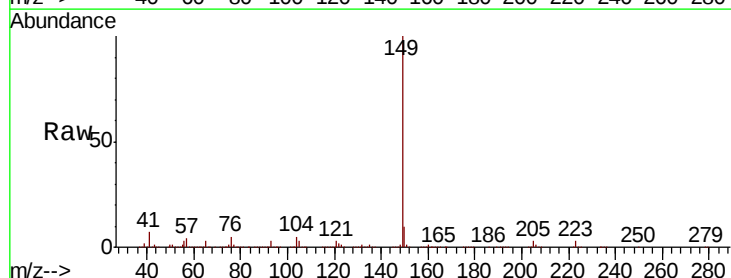
Tgt Ion:149 Resp: 2295450

Ion Ratio Lower Upper

149 100

150 10.2 8.1 12.1

104 4.9 4.0 6.0

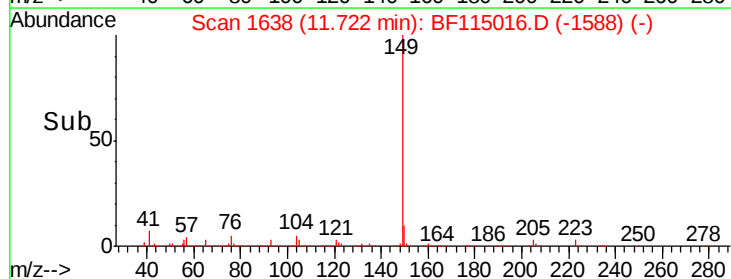
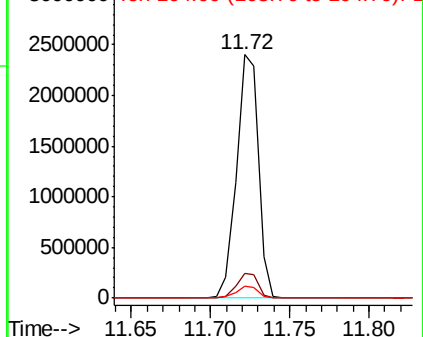


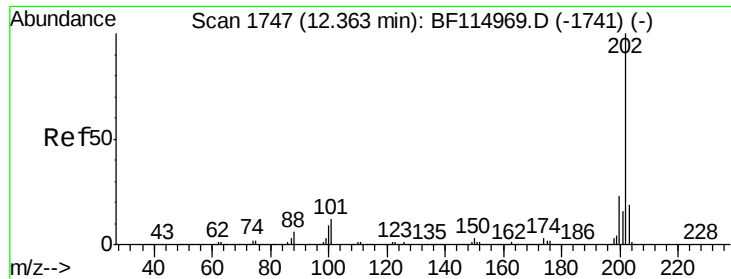
Abundance

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: 41.343 ng

RT: 12.36 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

BNA\_F

ClientSampleId :

MW-5\_061219MSD

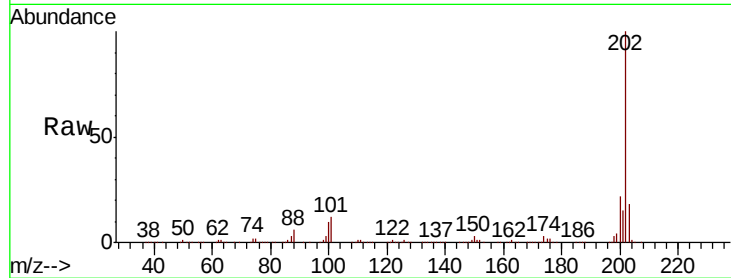
Tot Ion:202 Resp: 1927184

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.4

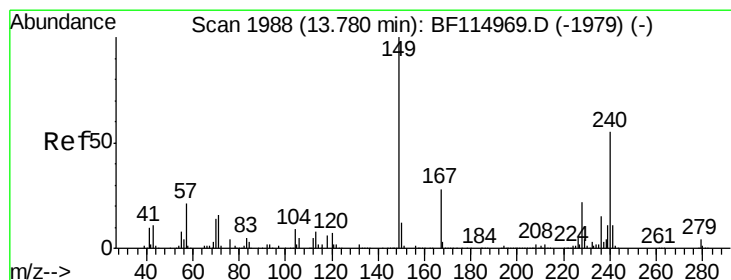
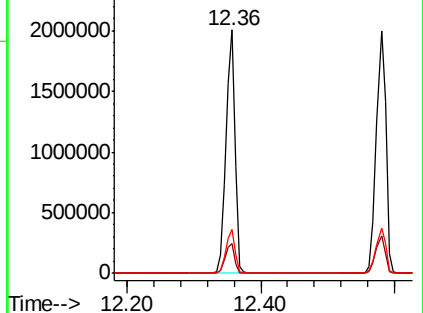
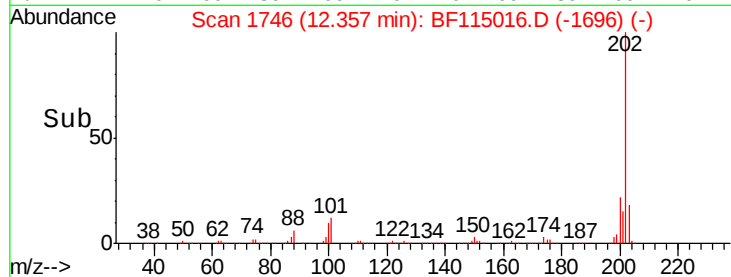
203 18.3 0.0 38.6



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: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

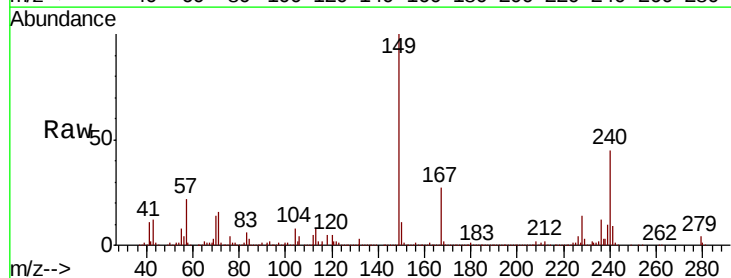
Tgt Ion:240 Resp: 463698

Ion Ratio Lower Upper

240 100

120 11.7 10.0 15.0

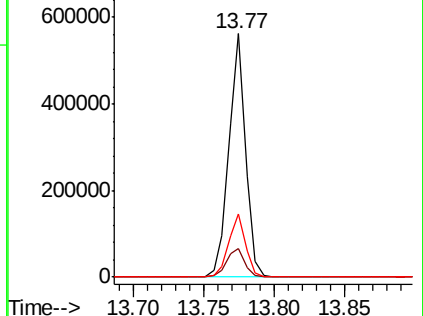
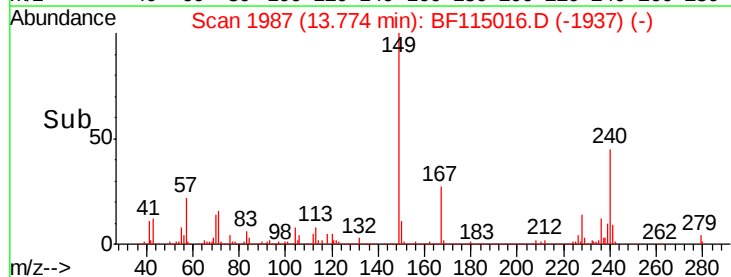
236 26.1 21.6 32.4

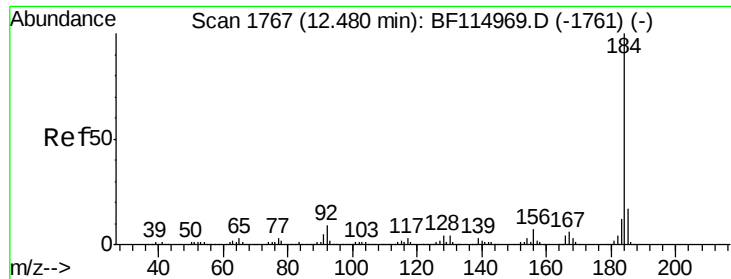


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

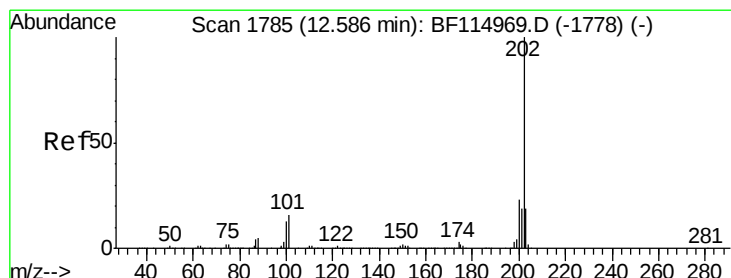
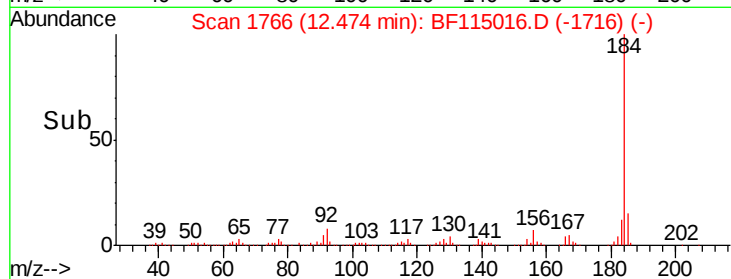
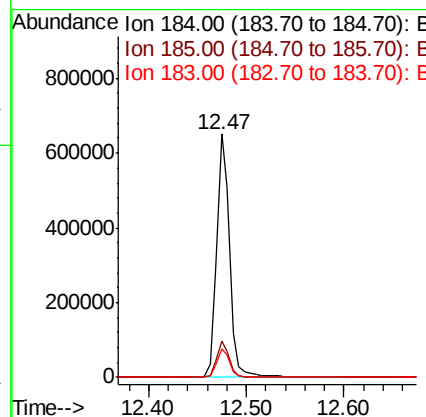
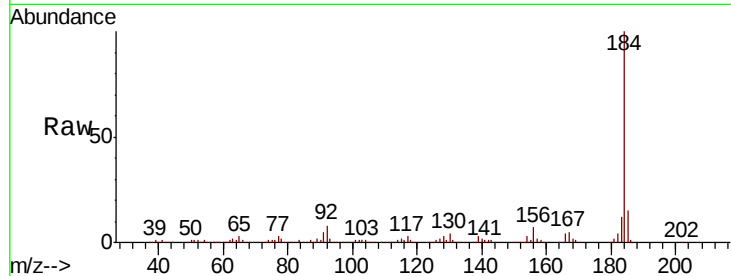




#77  
Benzidine  
Concen: 31.904 ng  
RT: 12.47 min Scan# 1766  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

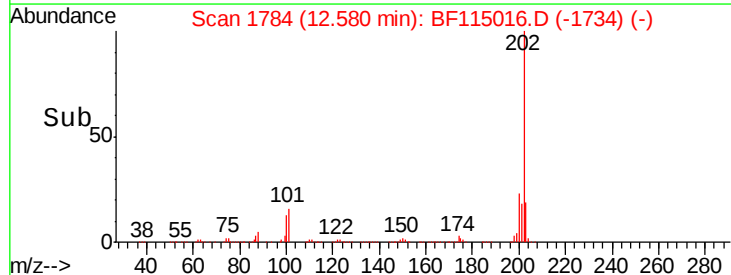
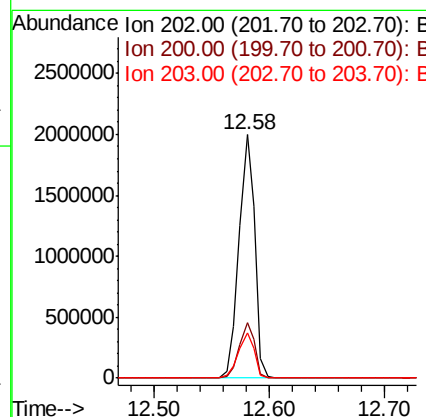
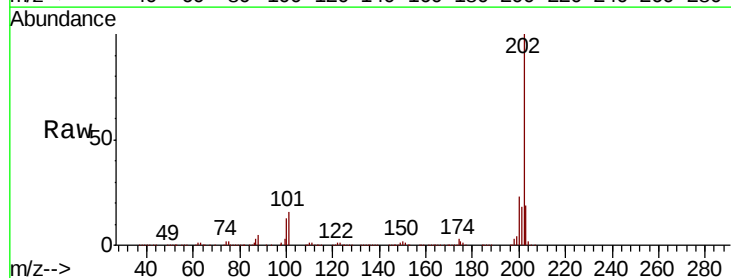
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

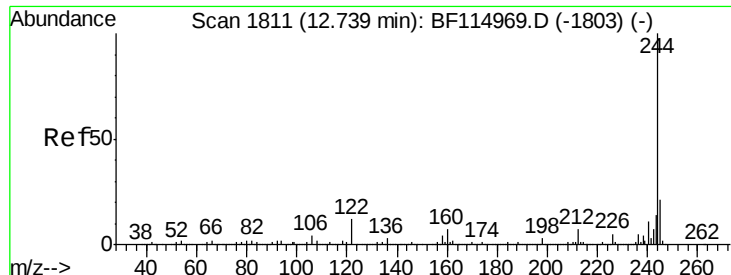
Tot Ion:184 Resp: 598371  
Ion Ratio Lower Upper  
184 100  
185 14.7 13.4 20.0  
183 11.6 9.8 14.6



#78  
Pyrene  
Concen: 44.700 ng  
RT: 12.58 min Scan# 1784  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion:202 Resp: 1888205  
Ion Ratio Lower Upper  
202 100  
200 22.7 18.4 27.6  
203 18.5 14.9 22.3



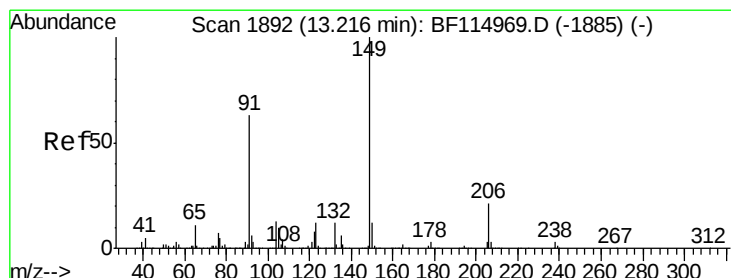
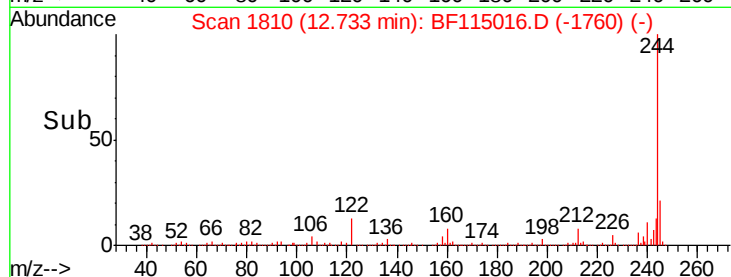
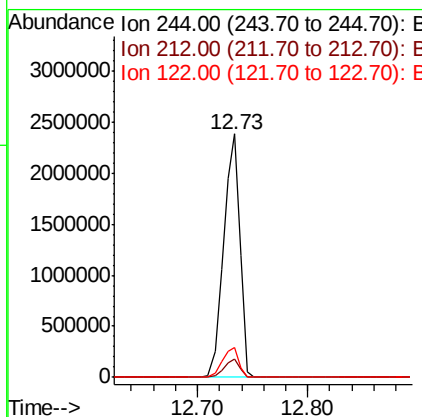
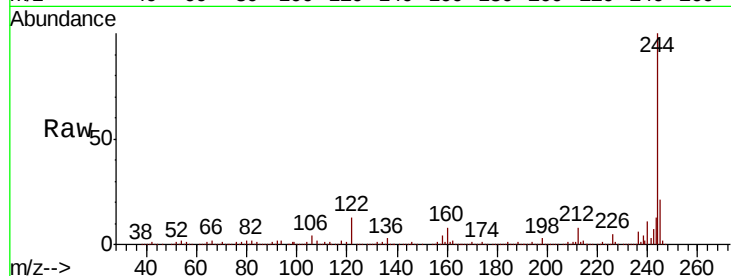


#79  
 Terphenyl-d14  
 Concen: 99.787 ng  
 RT: 12.73 min Scan# 1810  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5\_061219MSD

Tot Ion:244 Resp: 2460077  

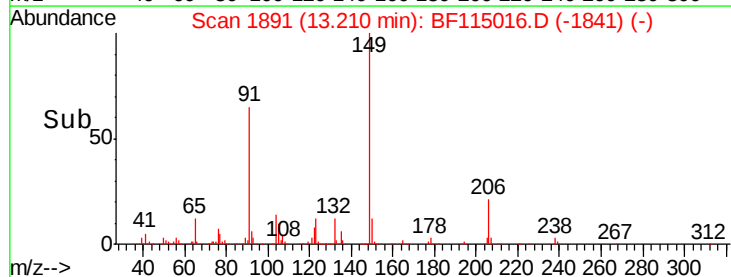
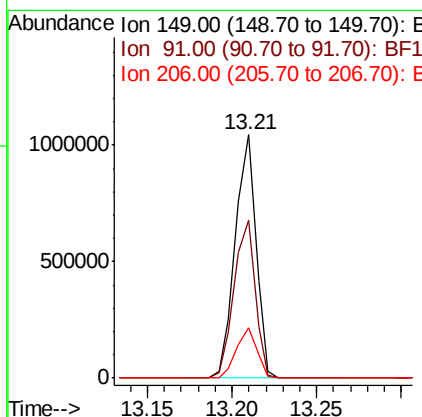
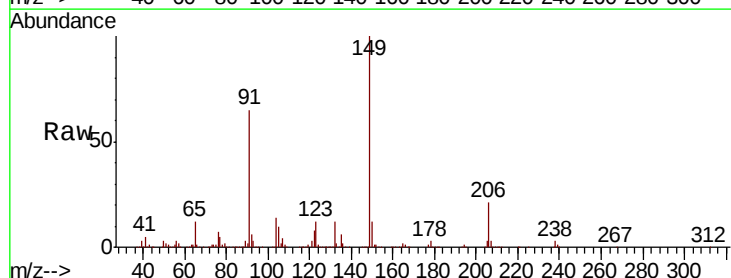
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.6   | 5.8   | 8.8   |
| 122 | 12.5  | 9.4   | 14.0  |

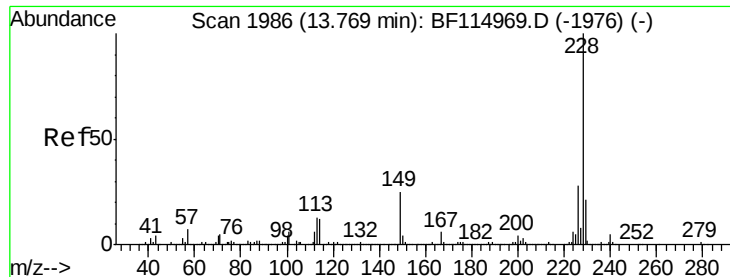


#80  
 Butylbenzylphthalate  
 Concen: 45.370 ng  
 RT: 13.21 min Scan# 1891  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

Tgt Ion:149 Resp: 895156  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 65.1  | 50.6  | 76.0  |
| 206 | 20.5  | 16.7  | 25.1  |





#81

Benzo(a)anthracene

Concen: 44.439 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Instrument :

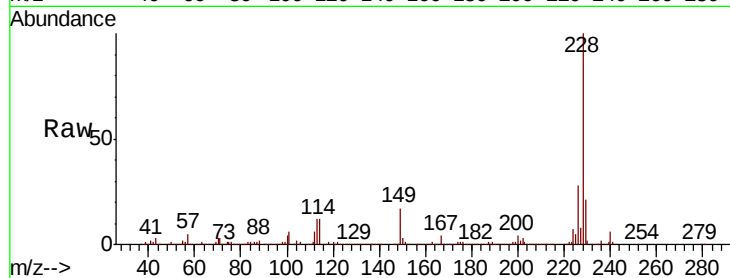
BNA\_F

ClientSampleId :

MW-5\_061219MSD

Tot Ion:228 Resp: 1542016

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.1  | 22.0  | 33.0  |
| 229 | 20.6  | 16.6  | 25.0  |

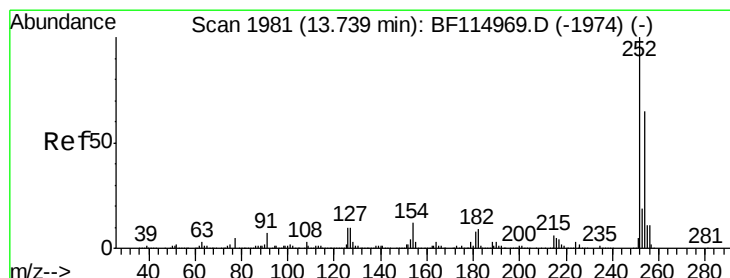
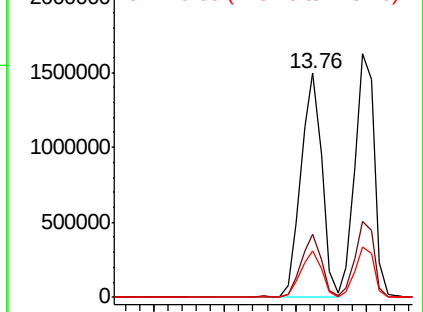
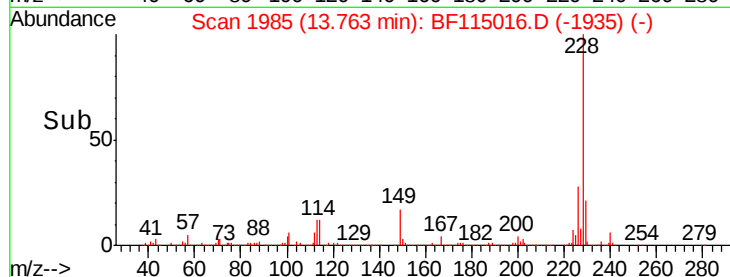


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 33.191 ng

RT: 13.73 min Scan# 1979

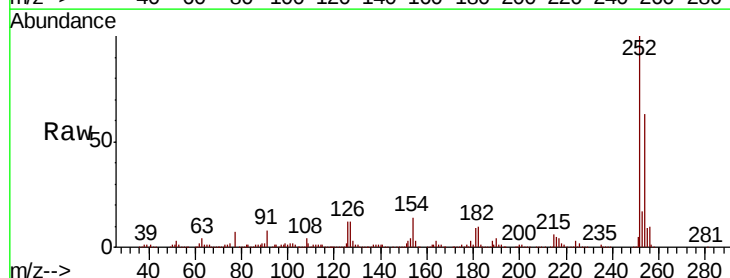
Delta R.T. -0.01 min

Lab File: BF115016.D

Acq: 13 Jun 2019 21:50

Tgt Ion:252 Resp: 441549

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 62.9  | 52.2  | 78.4  |
| 126 | 12.0  | 8.0   | 12.0# |

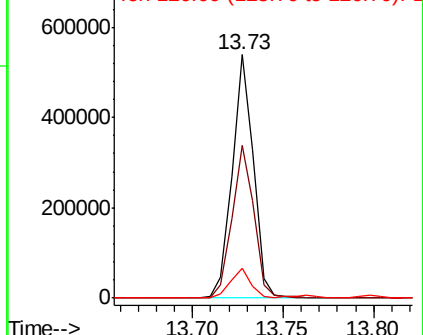
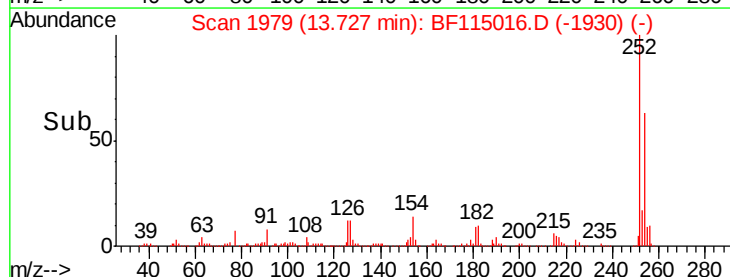


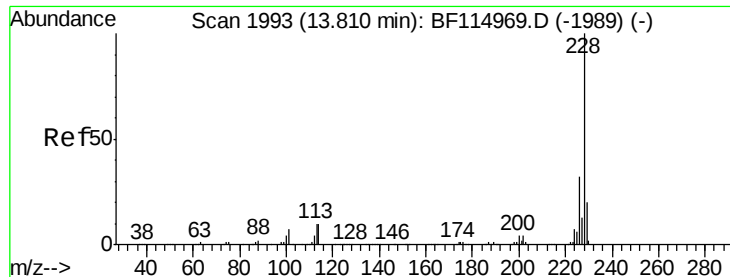
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

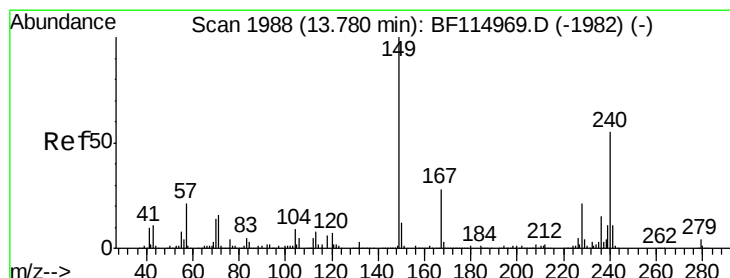
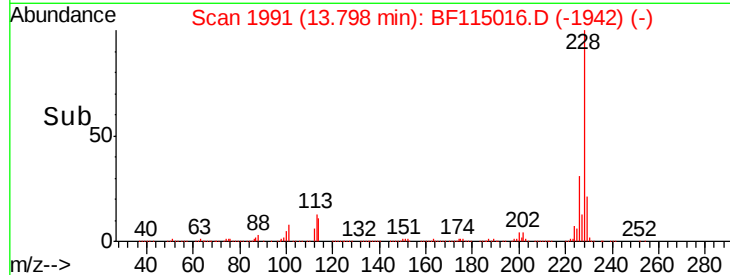
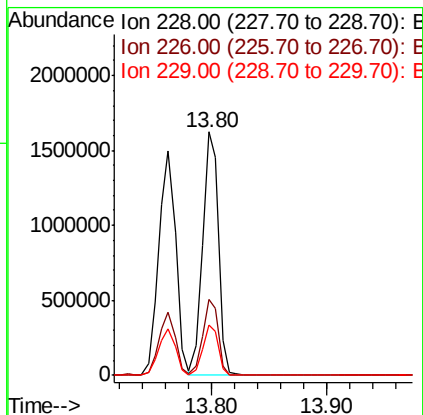
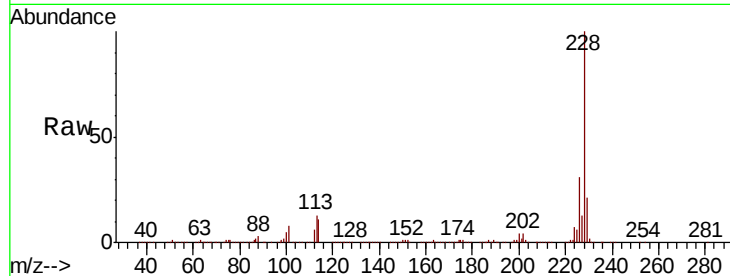




#83  
 Chrysene  
 Concen: 45.196 ng  
 RT: 13.80 min Scan# 1991  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

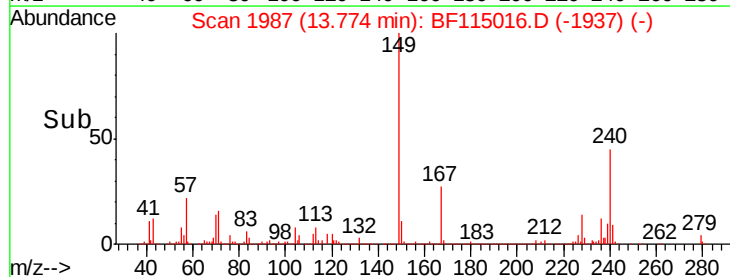
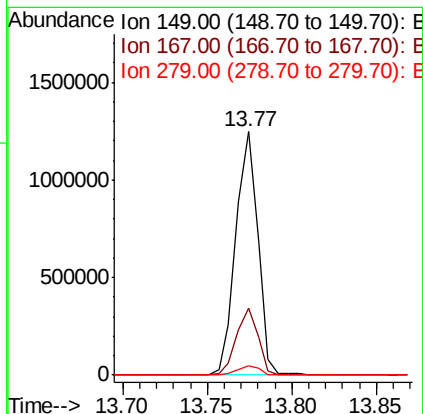
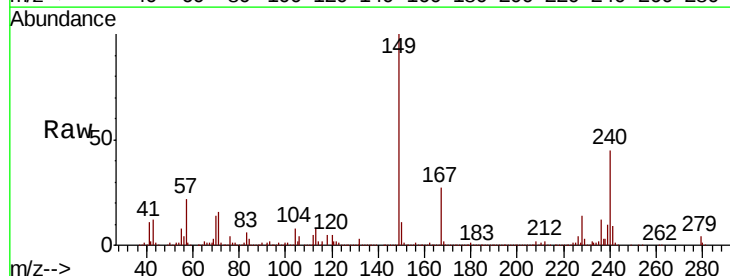
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5\_061219MSD

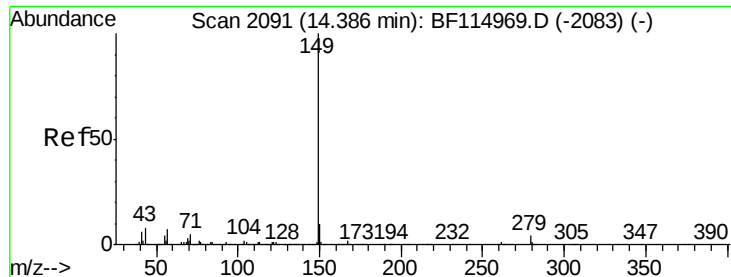
Tot Ion:228 Resp: 1559518  
 Ion Ratio Lower Upper  
 228 100  
 226 31.1 25.4 38.0  
 229 20.7 16.4 24.6



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 48.505 ng  
 RT: 13.77 min Scan# 1987  
 Delta R.T. -0.01 min  
 Lab File: BF115016.D  
 Acq: 13 Jun 2019 21:50

Tgt Ion:149 Resp: 1131095  
 Ion Ratio Lower Upper  
 149 100  
 167 27.4 22.2 33.4  
 279 3.8 3.4 5.0

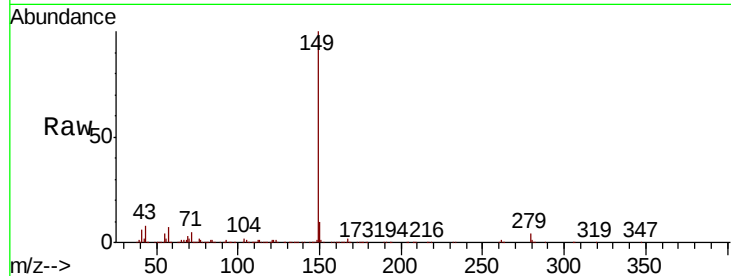




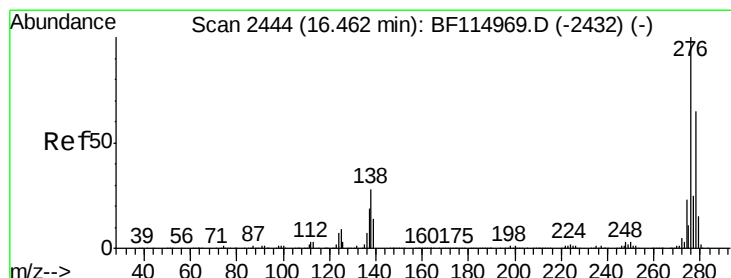
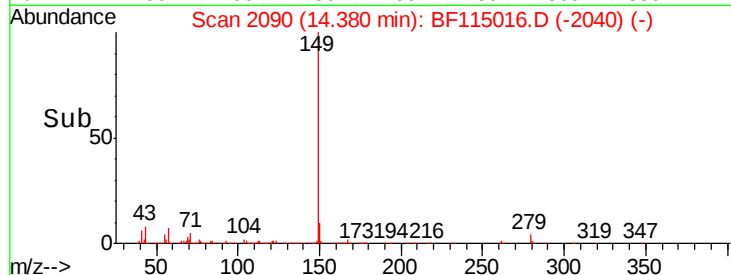
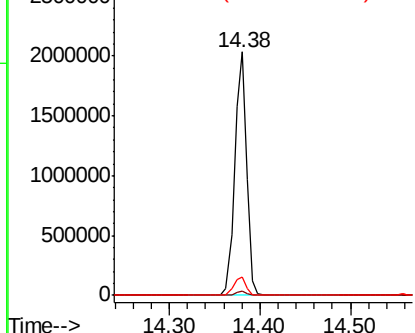
#85  
Di-n-octyl phthalate  
Concen: 46.642 ng  
RT: 14.38 min Scan# 2090  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

Tot Ion:149 Resp: 1872985  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 7.8 6.5 9.7

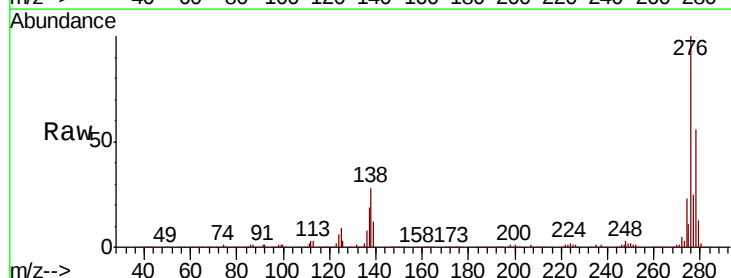


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

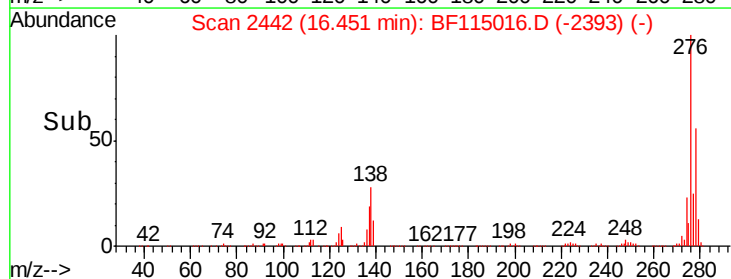
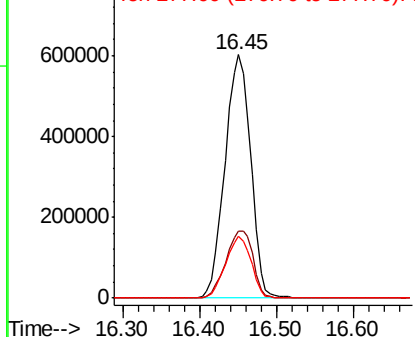


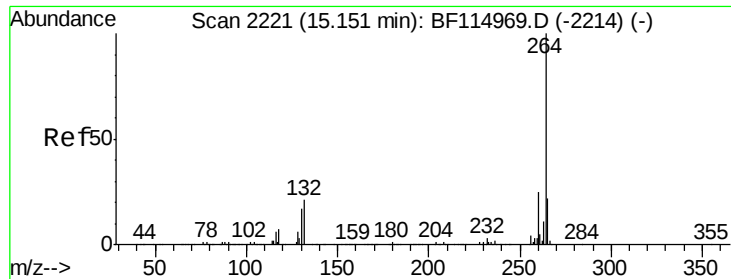
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 46.455 ng  
RT: 16.45 min Scan# 2442  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion:276 Resp: 1408062  
Ion Ratio Lower Upper  
276 100  
138 29.3 23.0 34.4  
277 25.2 20.6 30.8



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



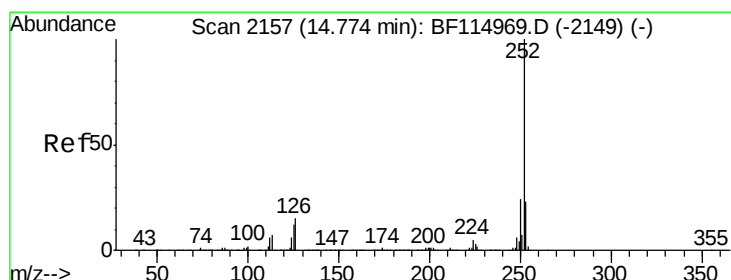
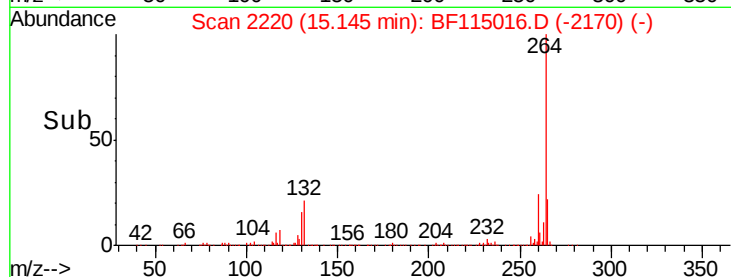
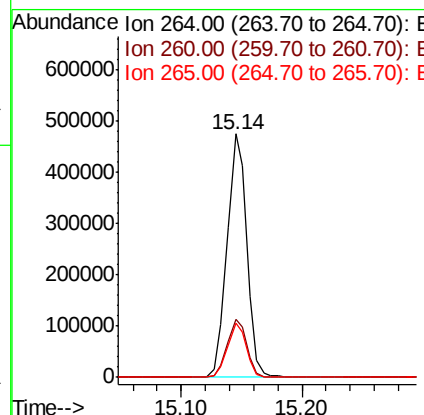
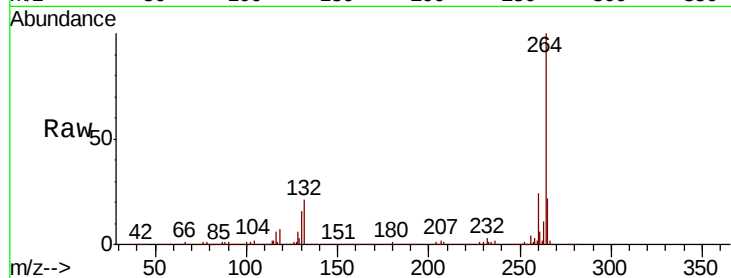


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.14 min Scan# 2220  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

Tot Ion:264 Resp: 535542  

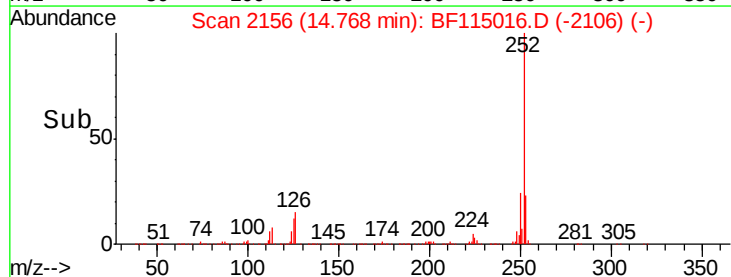
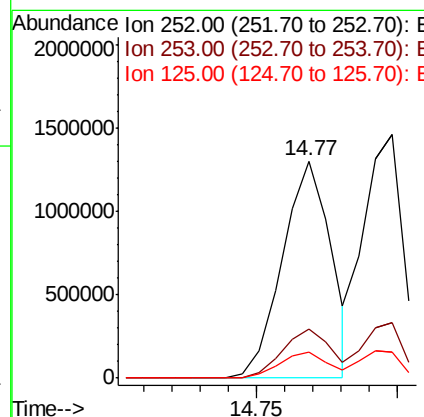
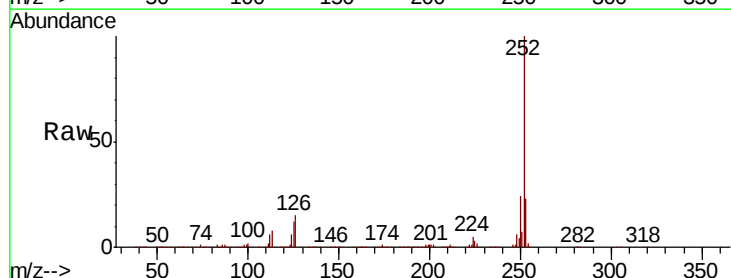
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.9  | 19.9  | 29.9  |
| 265 | 22.2  | 17.6  | 26.4  |

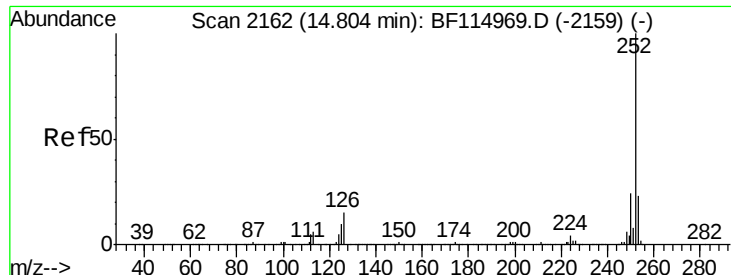


#88  
Benzo(b)fluoranthene  
Concen: 43.893 ng  
RT: 14.77 min Scan# 2156  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion:252 Resp: 1562619  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.8  | 18.1  | 27.1  |
| 125 | 11.9  | 9.4   | 14.0  |

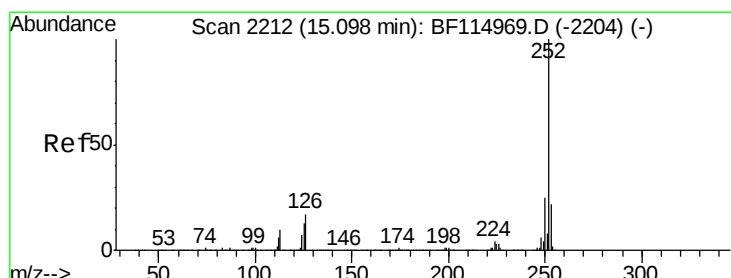
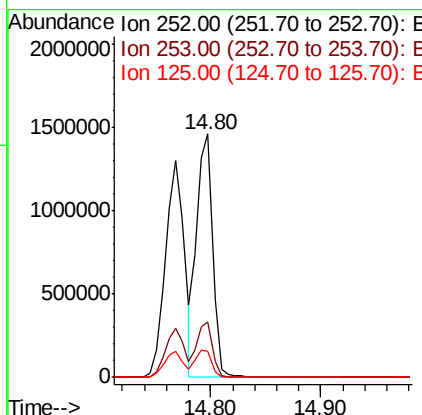
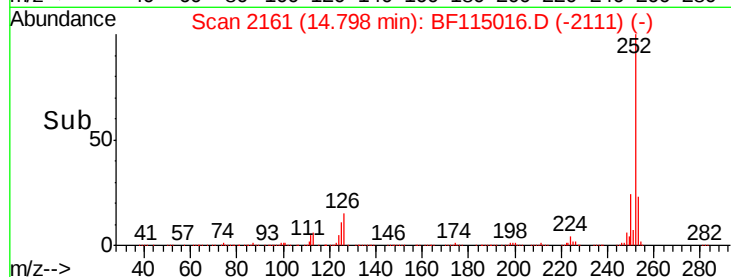
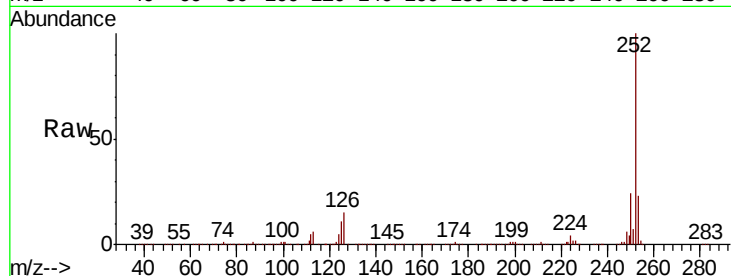




#89  
Benzo(k)fluoranthene  
Concen: 46.156 ng  
RT: 14.80 min Scan# 2161  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

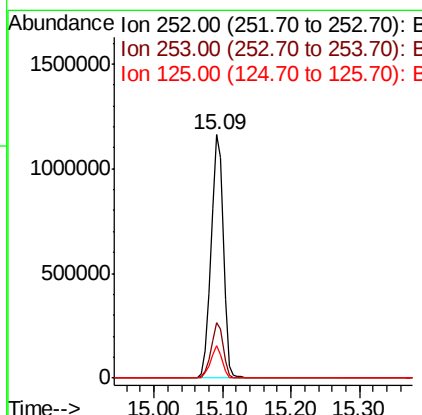
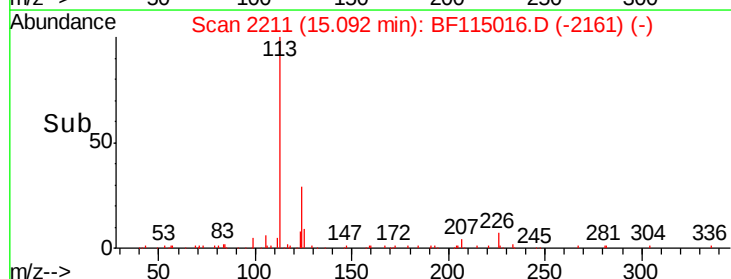
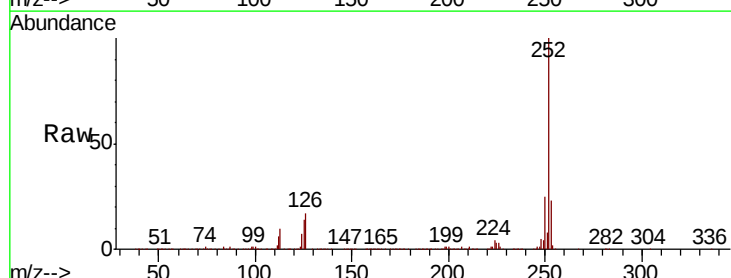
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

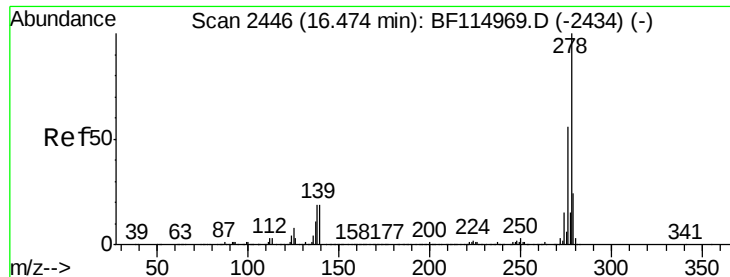
Tot Ion:252 Resp: 1442301  
Ion Ratio Lower Upper  
252 100  
253 22.6 18.0 27.0  
125 10.6 8.2 12.4



#90  
Benzo(a)pyrene  
Concen: 46.773 ng  
RT: 15.09 min Scan# 2211  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion:252 Resp: 1436852  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.8 26.8  
125 13.5 10.7 16.1

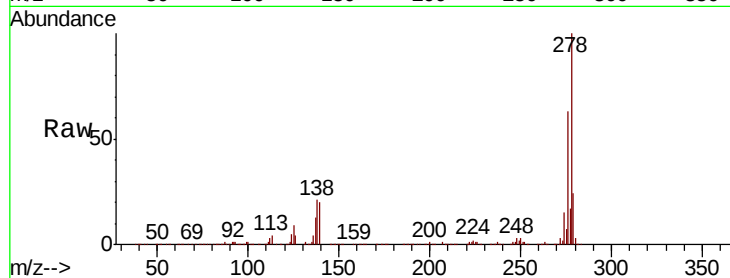




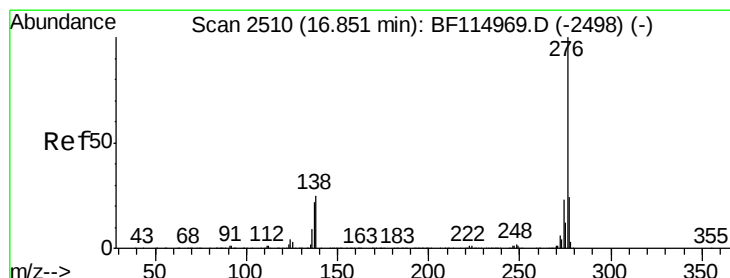
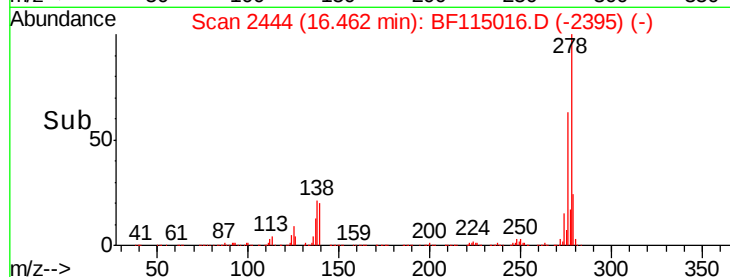
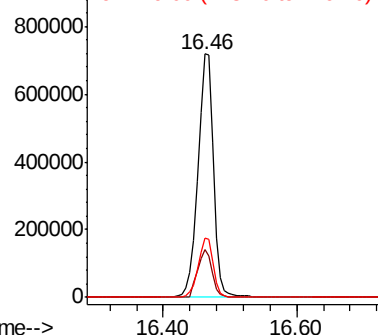
#91  
Dibenzo(a,h)anthracene  
Concen: 45.002 ng  
RT: 16.46 min Scan# 2444  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5\_061219MSD

Tot Ion:278 Resp: 1190560  
Ion Ratio Lower Upper  
278 100  
139 19.6 15.3 22.9  
279 24.3 19.2 28.8

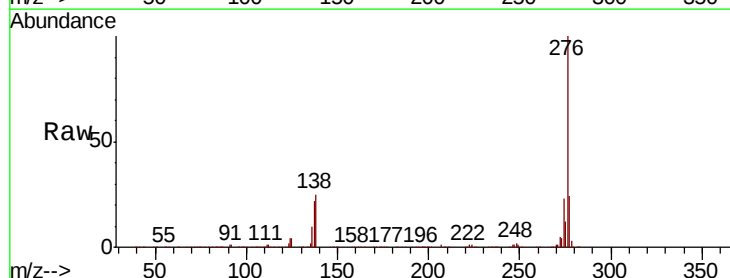


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 42.469 ng  
RT: 16.84 min Scan# 2508  
Delta R.T. -0.01 min  
Lab File: BF115016.D  
Acq: 13 Jun 2019 21:50

Tgt Ion:276 Resp: 1145843  
Ion Ratio Lower Upper  
276 100  
277 23.9 18.8 28.2  
138 25.2 20.2 30.4



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

