

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\  
 Data File : BF113815.D  
 Acq On : 18 Apr 2019 10:58  
 Operator : JU/SJ  
 Sample : SSTDICC100  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 18 12:58:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 18 12:50:58 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.90  | 152  | 182334   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.18  | 136  | 725304   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.93  | 164  | 362913   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.42 | 188  | 688744   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.05 | 240  | 429078   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.51 | 264  | 400031   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.52  | 112 | 2002442 | 187.27 | ng | 0.01 |
| 7) Phenol-d6             | 6.53  | 99  | 2472993 | 187.65 | ng | 0.02 |
| 23) Nitrobenzene-d5      | 7.47  | 82  | 2301894 | 185.90 | ng | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.73 | 330 | 707308  | 162.25 | ng | 0.01 |
| 45) 2-Fluorobiphenyl     | 9.26  | 172 | 3507210 | 155.58 | ng | 0.01 |
| 79) Terphenyl-d14        | 13.00 | 244 | 3713001 | 176.19 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |         |    | Qvalue |
|--------------------------------|------|-----|---------|---------|----|--------|
| 2) 1,4-Dioxane                 | 2.70 | 88  | 530258  | 104.705 | ng | 99     |
| 3) Pyridine                    | 3.47 | 79  | 1454960 | 109.781 | ng | 100    |
| 4) n-Nitrosodimethylamine      | 3.44 | 42  | 524643  | 93.169  | ng | 100    |
| 6) Aniline                     | 6.56 | 93  | 1256450 | 78.655  | ng | 98     |
| 8) 2-Chlorophenol              | 6.69 | 128 | 1103741 | 89.218  | ng | 97     |
| 9) Benzaldehyde                | 6.45 | 77  | 583555  | 74.471  | ng | 97     |
| 10) Phenol                     | 6.55 | 94  | 1451760 | 96.453  | ng | 88     |
| 11) bis(2-Chloroethyl)ether    | 6.64 | 93  | 1145224 | 97.813  | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.85 | 146 | 1226261 | 92.043  | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.92 | 146 | 1225603 | 91.034  | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.07 | 146 | 1077133 | 88.636  | ng | 98     |
| 15) Benzyl Alcohol             | 7.05 | 79  | 1021639 | 114.651 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 7.18 | 45  | 1379656 | 75.704  | ng | 97     |
| 17) 2-Methylphenol             | 7.15 | 107 | 947709  | 98.851  | ng | 99     |
| 18) Hexachloroethane           | 7.42 | 117 | 456211  | 93.097  | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.33 | 70  | 850989  | 104.717 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.31 | 107 | 1024129 | 88.161  | ng | # 86   |
| 22) Acetophenone               | 7.32 | 105 | 1435197 | 90.094  | ng | # 94   |
| 24) Nitrobenzene               | 7.49 | 77  | 1248478 | 97.906  | ng | 100    |
| 25) Isophorone                 | 7.73 | 82  | 2333237 | 97.817  | ng | 100    |
| 26) 2-Nitrophenol              | 7.80 | 139 | 584823  | 85.213  | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.83 | 122 | 940875  | 95.895  | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.93 | 93  | 1422009 | 94.294  | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.04 | 162 | 997054  | 94.978  | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.12 | 180 | 1088998 | 95.525  | ng | 100    |
| 31) Naphthalene                | 8.20 | 128 | 2875881 | 81.835  | ng | 97     |
| 32) Benzoic acid               | 7.99 | 122 | 733294  | 96.517  | ng | 97     |
| 33) 4-Chloroaniline            | 8.25 | 127 | 1319660 | 94.703  | ng | 99     |
| 34) Hexachlorobutadiene        | 8.33 | 225 | 659310  | 94.861  | ng | 99     |
| 35) Caprolactam                | 8.65 | 113 | 277005  | 83.126  | ng | 99     |
| 36) 4-Chloro-3-methylphenol    | 8.73 | 107 | 991719  | 94.108  | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.90 | 142 | 1945203 | 84.159  | ng | 97     |
| 38) 1-Methylnaphthalene        | 9.00 | 142 | 1887405 | 84.686  | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 1006640 | 85.767  | ng | 100    |

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 Acq On : 18 Apr 2019 10:58  
 Operator : JU/SJ  
 Sample : SSTDICC100  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

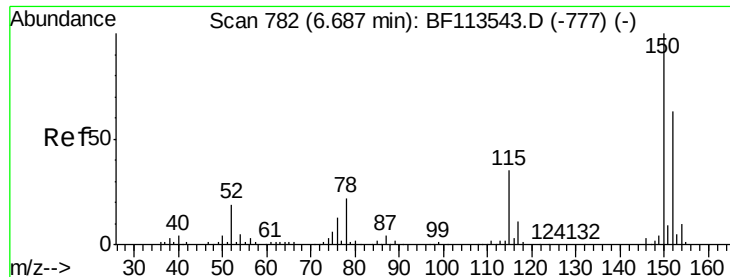
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 18 12:58:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 18 12:50:58 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.05  | 237  | 588509   | 168.790 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 9.17  | 196  | 722739   | 97.553  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.21  | 196  | 744254   | 93.572  | ng    | 99       |
| 46) 1,1'-Biphenyl              | 9.36  | 154  | 2305387  | 76.982  | ng    | 97       |
| 47) 2-Chloronaphthalene        | 9.39  | 162  | 1972289  | 86.984  | ng    | 96       |
| 48) 2-Nitroaniline             | 9.47  | 65   | 611181   | 88.091  | ng    | 97       |
| 49) Acenaphthylene             | 9.80  | 152  | 2990122  | 81.098  | ng    | 98       |
| 50) Dimethylphthalate          | 9.67  | 163  | 2254360  | 84.270  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.72  | 165  | 564728   | 95.769  | ng    | 96       |
| 52) Acenaphthene               | 9.97  | 154  | 1811382  | 85.824  | ng    | 99       |
| 53) 3-Nitroaniline             | 9.89  | 138  | 584304   | 87.153  | ng    | 96       |
| 54) 2,4-Dinitrophenol          | 9.99  | 184  | 214730   | 77.835  | ng    | # 9      |
| 55) Dibenzofuran               | 10.15 | 168  | 2624507  | 84.771  | ng    | 94       |
| 56) 4-Nitrophenol              | 10.04 | 139  | 484121   | 116.407 | ng    | 94       |
| 57) 2,4-Dinitrotoluene         | 10.12 | 165  | 725250   | 101.693 | ng    | 92       |
| 58) Fluorene                   | 10.49 | 166  | 1897762  | 77.501  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.26 | 232  | 629134   | 91.380  | ng    | 99       |
| 60) Diethylphthalate           | 10.36 | 149  | 2151762  | 83.427  | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.47 | 204  | 972733   | 80.763  | ng    | 97       |
| 62) 4-Nitroaniline             | 10.51 | 138  | 571119   | 83.772  | ng    | 99       |
| 63) Azobenzene                 | 10.64 | 77   | 2145674  | 87.861  | ng    | 94       |
| 65) 4,6-Dinitro-2-methylphenol | 10.53 | 198  | 311663   | 85.954  | ng    | 96       |
| 66) n-Nitrosodiphenylamine     | 10.60 | 169  | 1849204  | 87.457  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.96 | 248  | 732829   | 94.870  | ng    | 99       |
| 68) Hexachlorobenzene          | 11.03 | 284  | 801535   | 90.559  | ng    | 97       |
| 69) Atrazine                   | 11.12 | 200  | 513871   | 77.106  | ng    | 98       |
| 70) Pentachlorophenol          | 11.22 | 266  | 489205   | 117.297 | ng    | 98       |
| 71) Phenanthrene               | 11.44 | 178  | 2968479  | 86.736  | ng    | 97       |
| 72) Anthracene                 | 11.50 | 178  | 2945835  | 84.601  | ng    | 96       |
| 73) Carbazole                  | 11.64 | 167  | 2687606  | 82.525  | ng    | 97       |
| 74) Di-n-butylphthalate        | 11.98 | 149  | 2918976  | 75.345  | ng    | 98       |
| 75) Fluoranthene               | 12.63 | 202  | 3046540  | 83.071  | ng    | 97       |
| 77) Benzidine                  | 13.00 | 184  | 46434    | 2.910   | ng    | 95       |
| 78) Pyrene                     | 12.86 | 202  | 3049848  | 93.416  | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.47 | 149  | 1163830  | 87.574  | ng    | 96       |
| 81) Benzo(a)anthracene         | 14.04 | 228  | 2266798  | 91.582  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 14.00 | 252  | 727083   | 76.266  | ng    | 99       |
| 83) Chrysene                   | 14.08 | 228  | 2271454  | 90.528  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149  | 1258754  | 78.339  | ng    | 100      |
| 85) Di-n-octyl phthalate       | 14.64 | 149  | 1975460  | 75.635  | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.00 | 276  | 2751522  | 118.773 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 15.09 | 252  | 2251525  | 91.948  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.12 | 252  | 1958263  | 89.108  | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.46 | 252  | 2073152  | 95.278  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.03 | 278  | 2148938  | 105.610 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.46 | 276  | 2338242  | 112.584 | ng    | 99       |

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



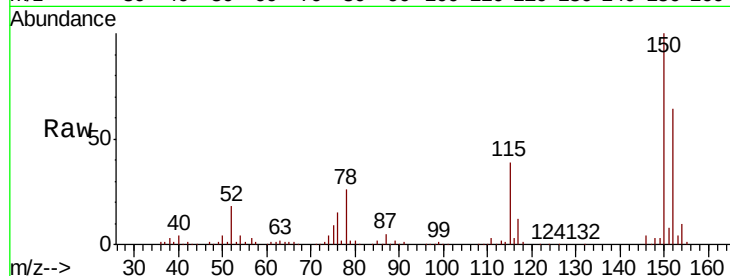


#1

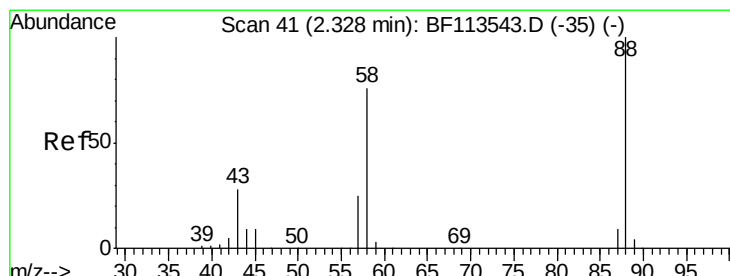
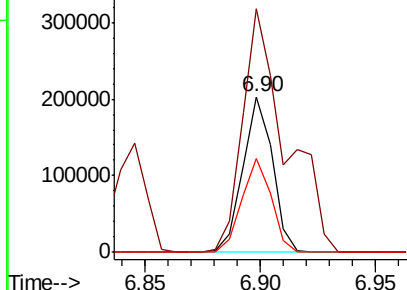
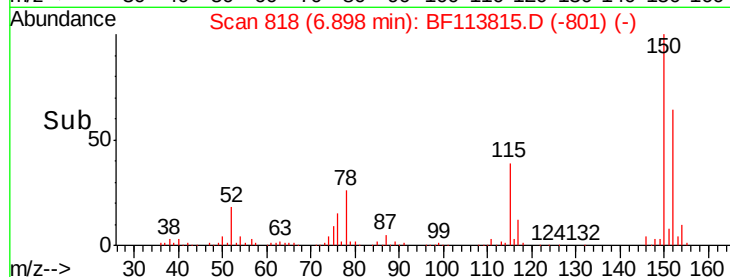
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 182334  
Ion Ratio Lower Upper  
152 100  
150 156.6 125.9 188.9  
115 60.3 45.9 68.9



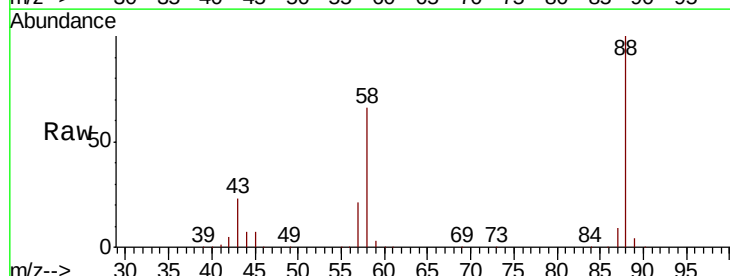
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



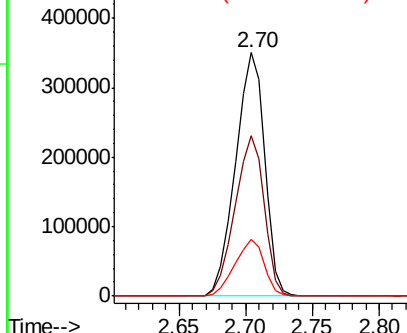
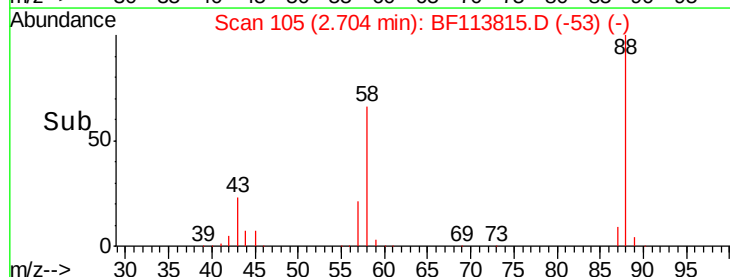
#2

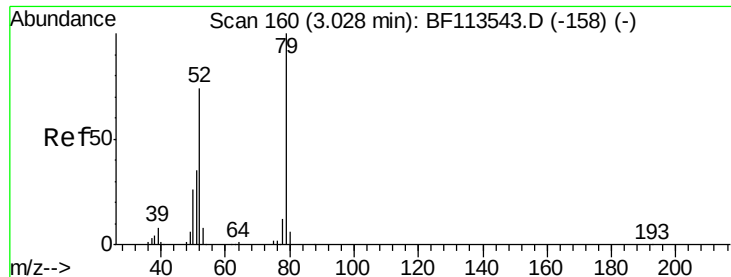
1,4-Dioxane  
Concen: 104.705 ng  
RT: 2.70 min Scan# 105  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion: 88 Resp: 530258  
Ion Ratio Lower Upper  
88 100  
58 65.8 53.3 79.9  
43 23.2 19.0 28.4



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





#3

Pvridine

Concen: 109.781 ng

RT: 3.47 min Scan# 235

Delta R.T. 0.02 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampleId :

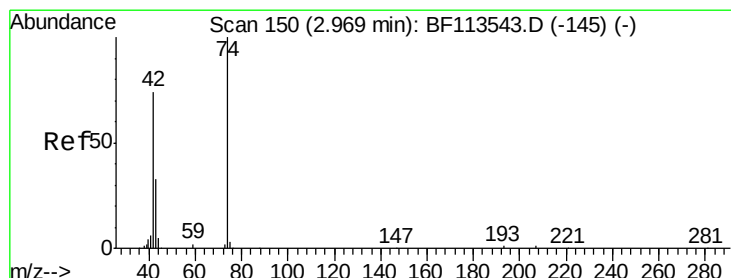
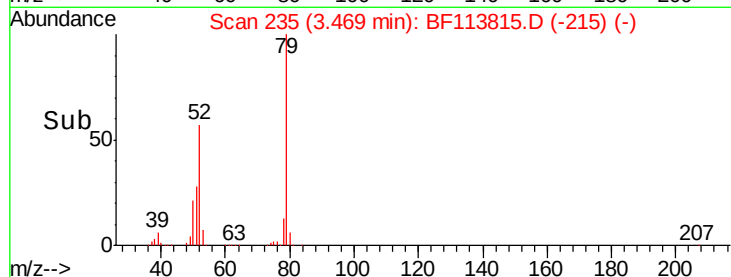
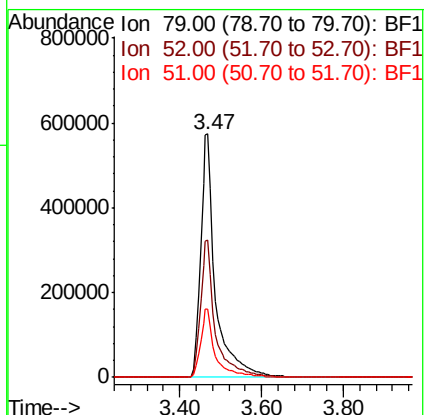
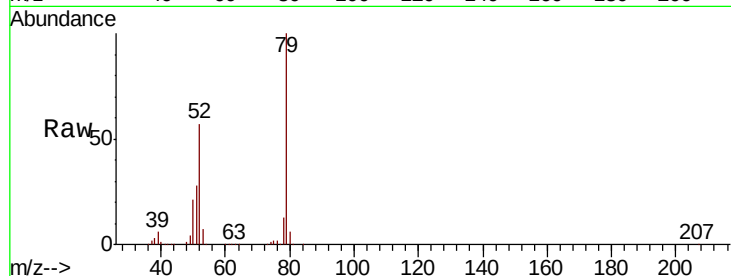
Tot Ion: 79 Resp: 1454960

Ion Ratio Lower Upper

79 100

52 56.7 45.3 67.9

51 27.8 22.1 33.1



#4

n-Nitrosodimethylamine

Concen: 93.169 ng

RT: 3.44 min Scan# 230

Delta R.T. 0.04 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

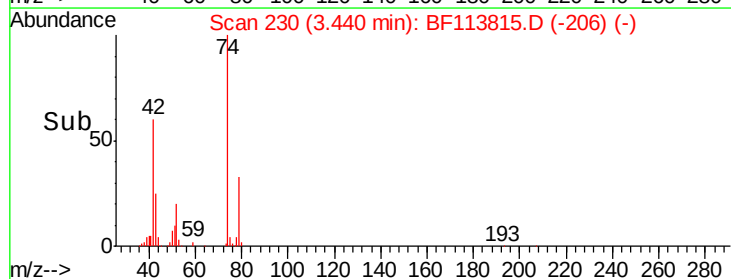
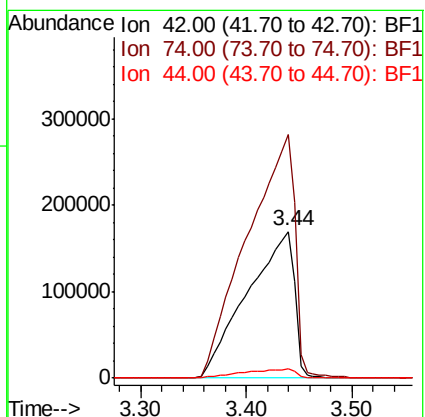
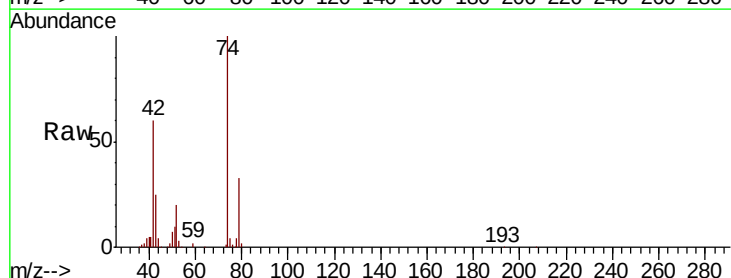
Tgt Ion: 42 Resp: 524643

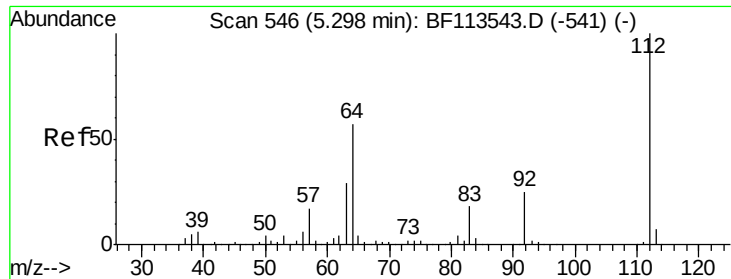
Ion Ratio Lower Upper

42 100

74 166.3 132.6 198.8

44 6.8 5.8 8.8





#5

2-Fluorophenol

Concen: 187.273 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampled :

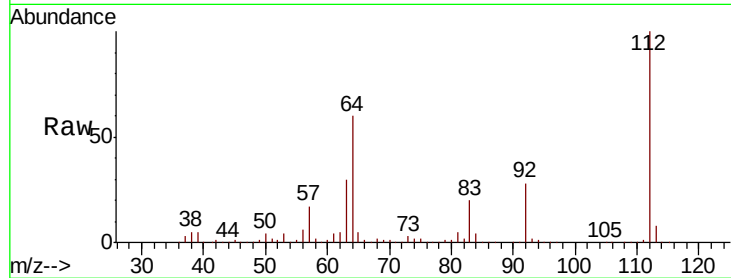
Tot Ion:112 Resp: 2002442

Ion Ratio Lower Upper

112 100

64 59.8 46.6 69.8

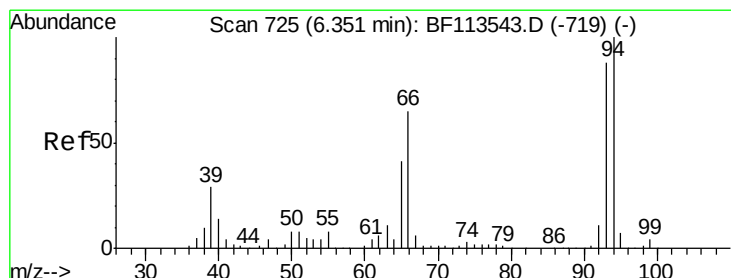
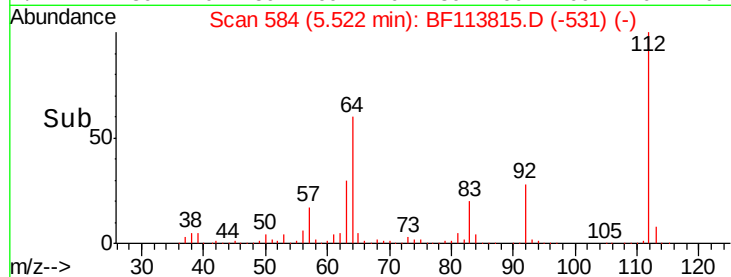
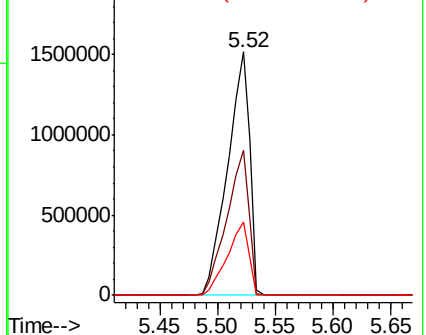
63 30.0 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 78.655 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

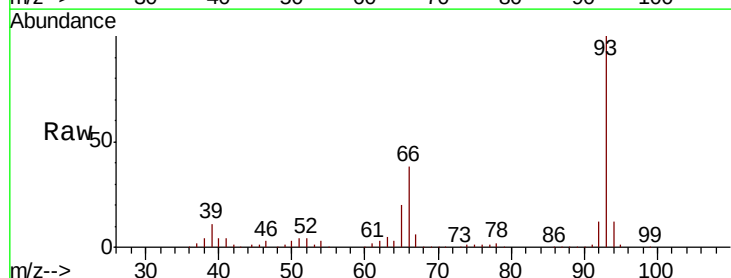
Tgt Ion: 93 Resp: 1256450

Ion Ratio Lower Upper

93 100

66 38.2 29.8 44.6

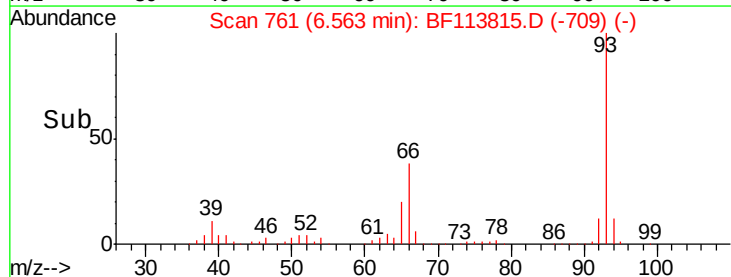
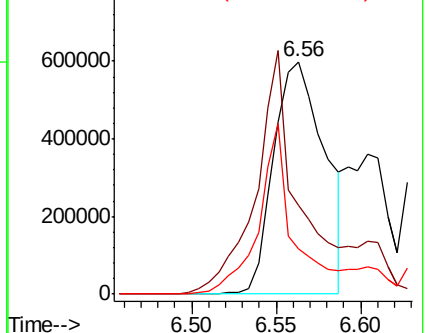
65 19.7 14.9 22.3

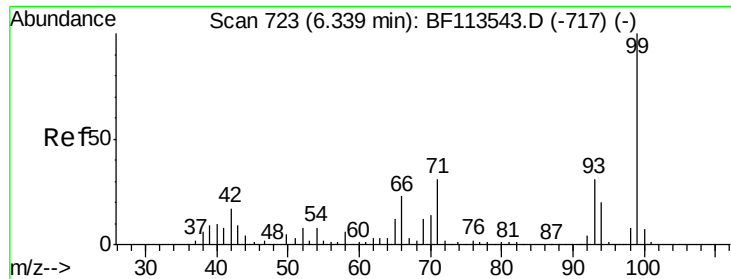


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 187.650 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.02 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

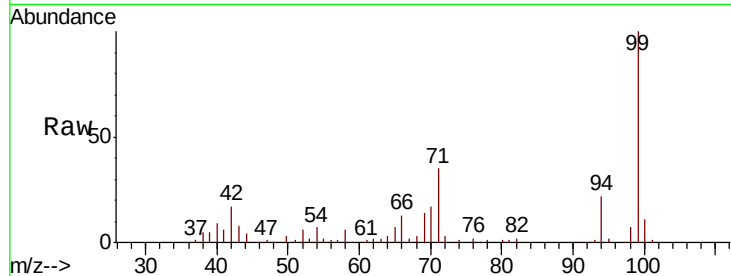
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 2472993

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.7  | 12.5  | 18.7  |
| 71  | 34.9  | 26.9  | 40.3  |

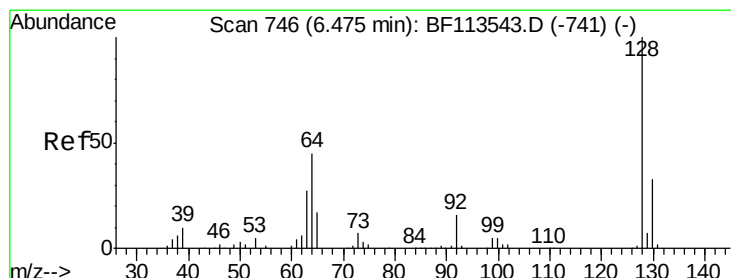
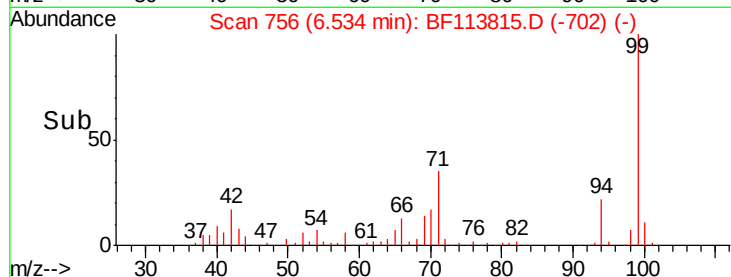
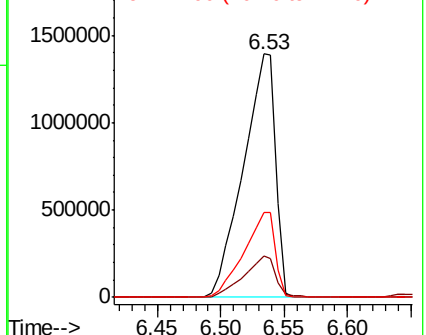


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 89.218 ng

RT: 6.69 min Scan# 783

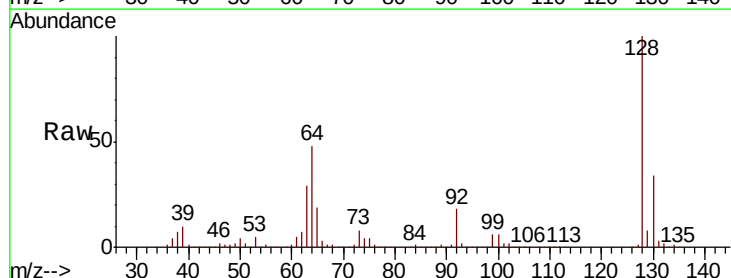
Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Tgt Ion: 128 Resp: 1103741

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.9  | 12.3  | 52.3  |
| 64  | 48.1  | 26.1  | 66.1  |

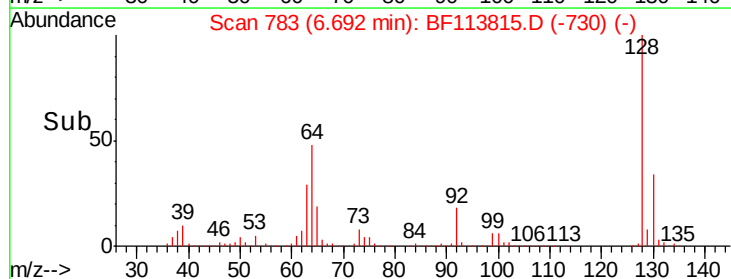
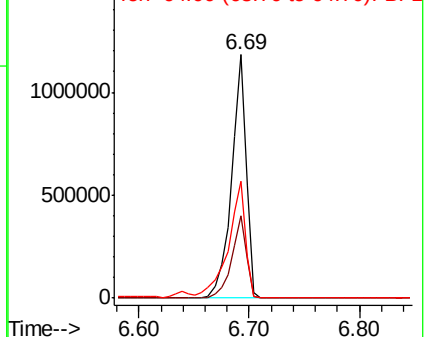


Abundance

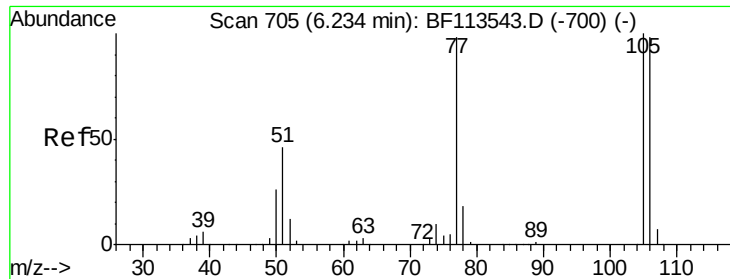
Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1







#9

Benzaldehyde

Concen: 74.471 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampled :

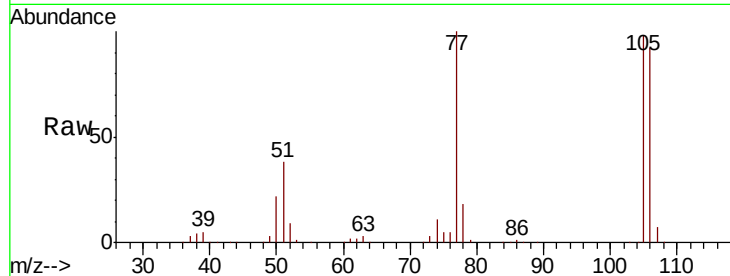
Tot Ion: 77 Resp: 583555

Ion Ratio Lower Upper

77 100

105 97.9 74.1 114.1

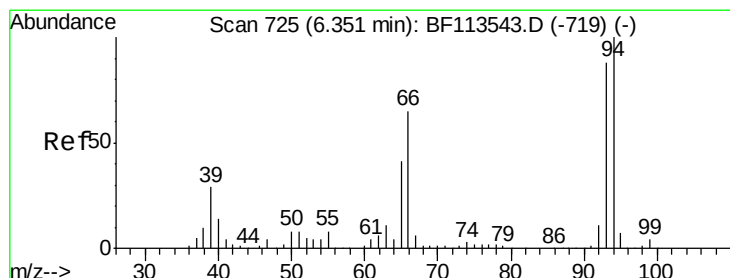
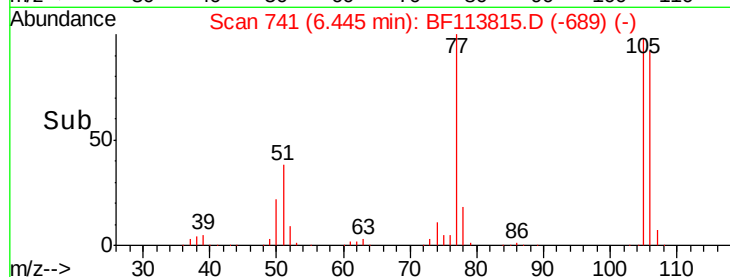
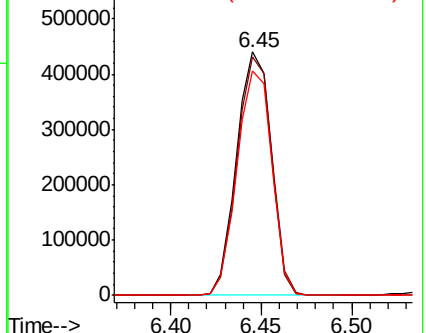
106 92.2 70.3 110.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 96.453 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

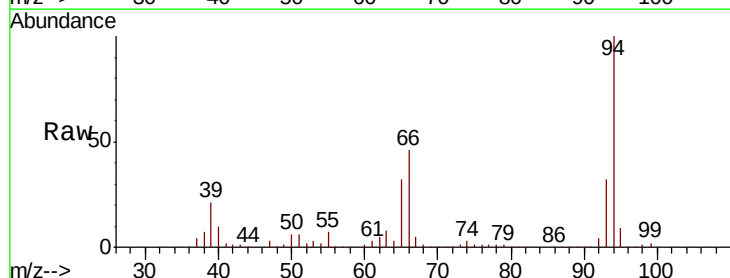
Tgt Ion: 94 Resp: 1451760

Ion Ratio Lower Upper

94 100

65 32.2 8.1 48.1

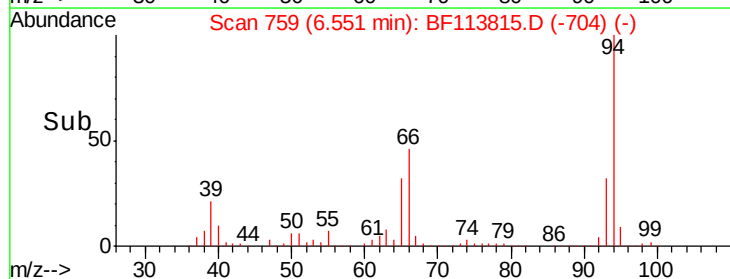
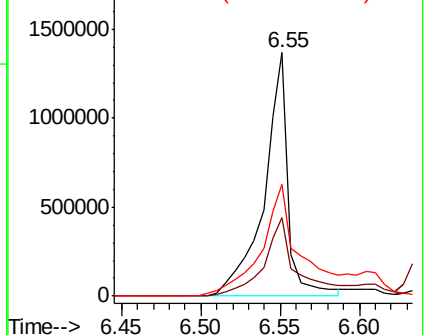
66 45.8 16.6 56.6



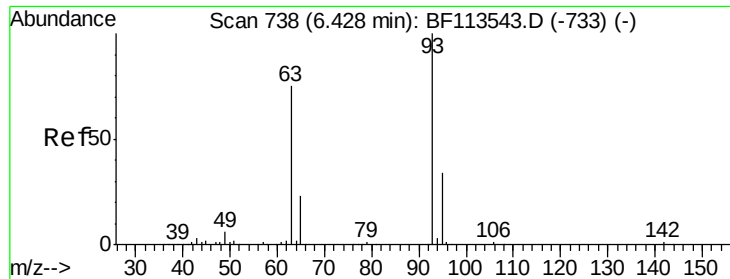
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



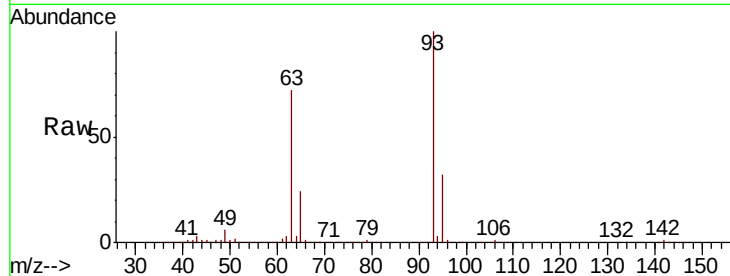




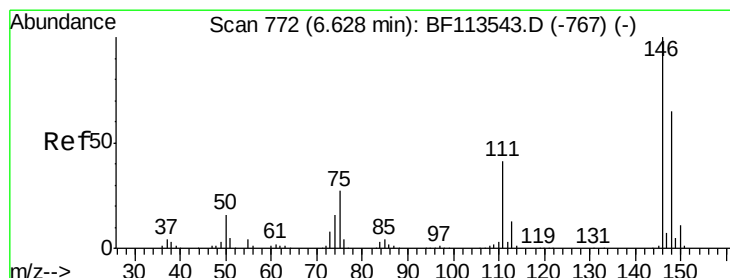
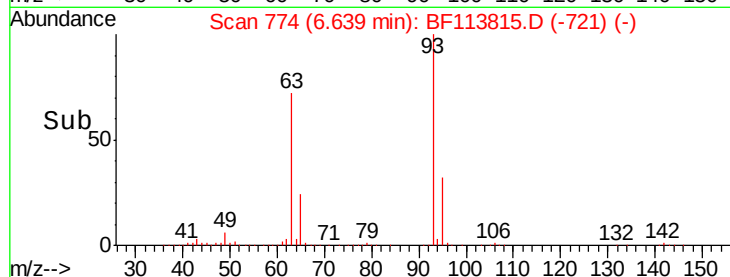
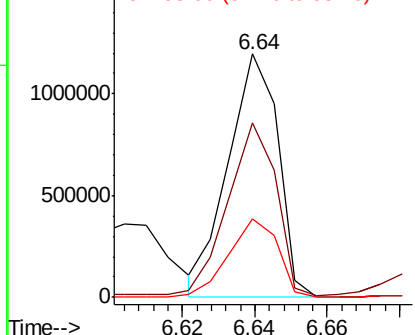
#11  
bis(2-Chloroethyl)ether  
Concen: 97.813 ng  
RT: 6.64 min Scan# 774  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 93 Resp: 1145224  
Ion Ratio Lower Upper  
93 100  
63 71.7 50.7 90.7  
95 32.2 12.3 52.3

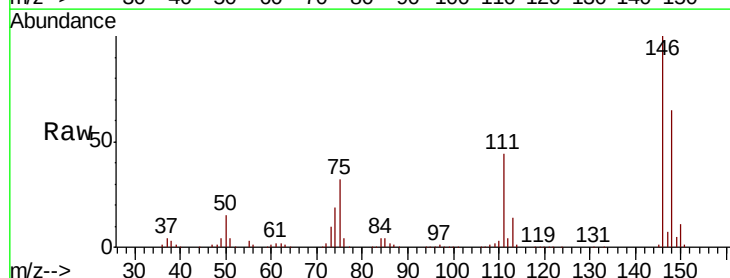


Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1

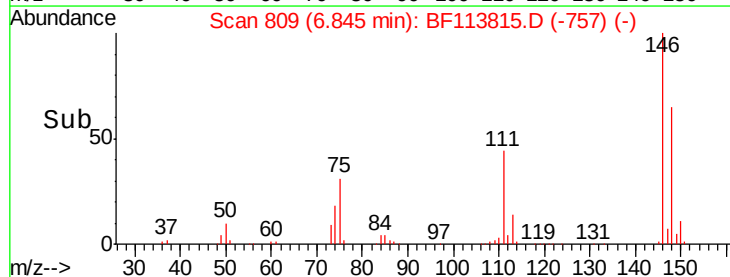
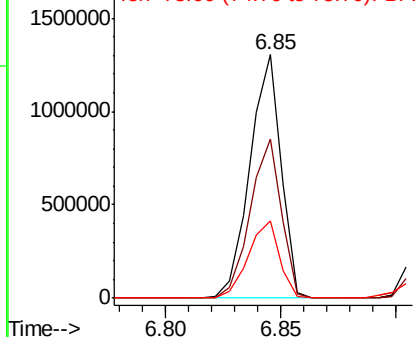


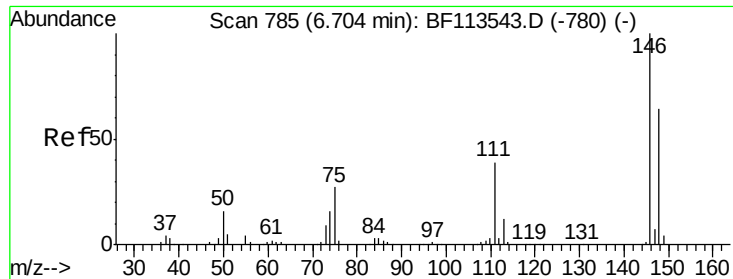
#12  
1,3-Dichlorobenzene  
Concen: 92.043 ng  
RT: 6.85 min Scan# 809  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion: 146 Resp: 1226261  
Ion Ratio Lower Upper  
146 100  
148 65.4 51.0 76.6  
75 31.8 23.8 35.8



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

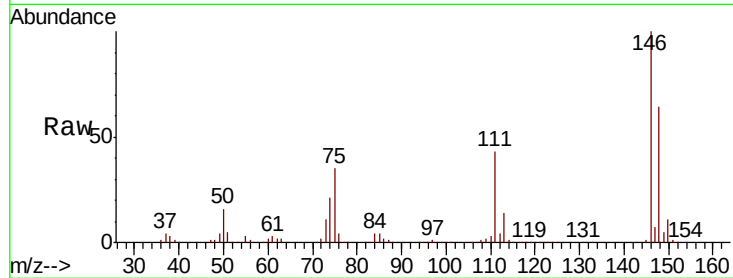




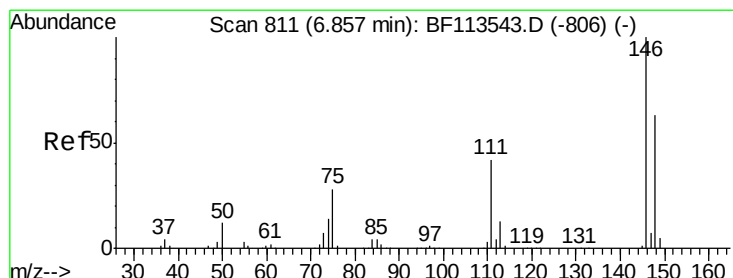
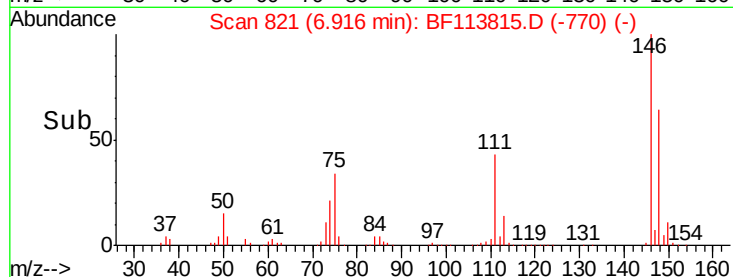
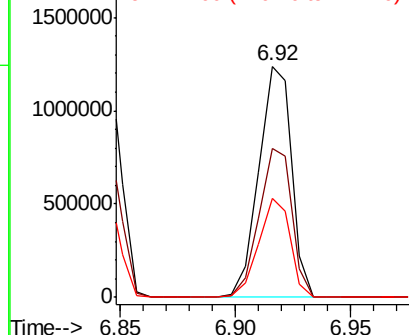
#13  
 1,4-Dichlorobenzene  
 Concen: 91.034 ng  
 RT: 6.92 min Scan# 821  
 Delta R.T. -0.00 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:146 Resp: 1225603  
 Ion Ratio Lower Upper  
 146 100  
 148 64.3 51.8 77.8  
 111 42.6 30.9 46.3

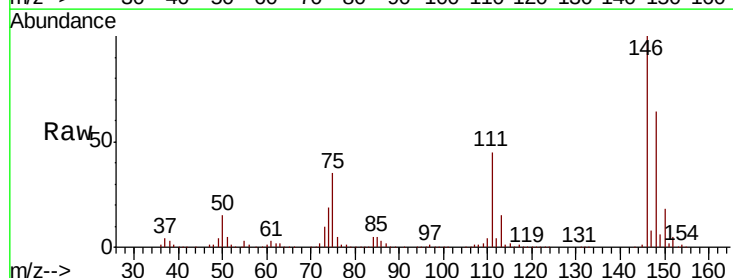


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

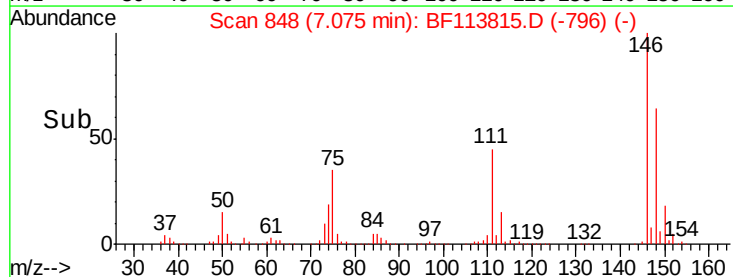
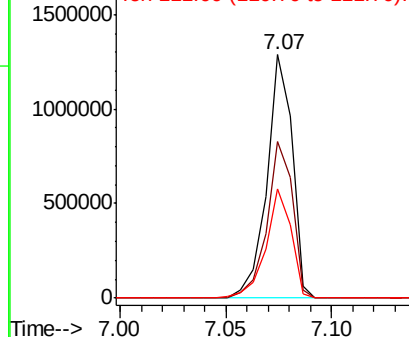


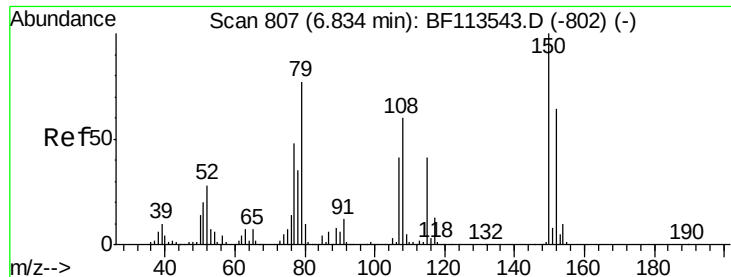
#14  
 1,2-Dichlorobenzene  
 Concen: 88.636 ng  
 RT: 7.07 min Scan# 848  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Tgt Ion:146 Resp: 1077133  
 Ion Ratio Lower Upper  
 146 100  
 148 64.5 52.1 78.1  
 111 45.0 34.2 51.4



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

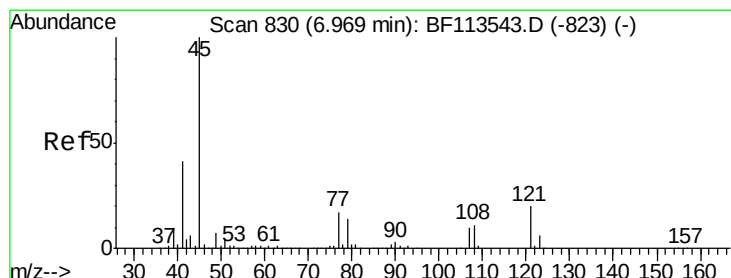
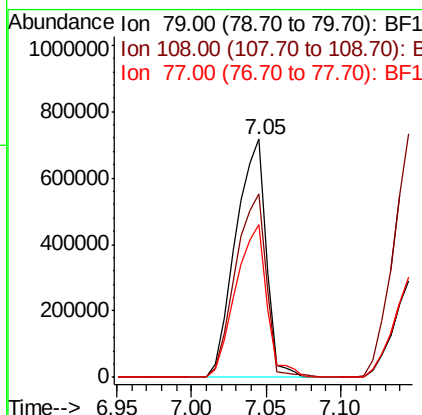
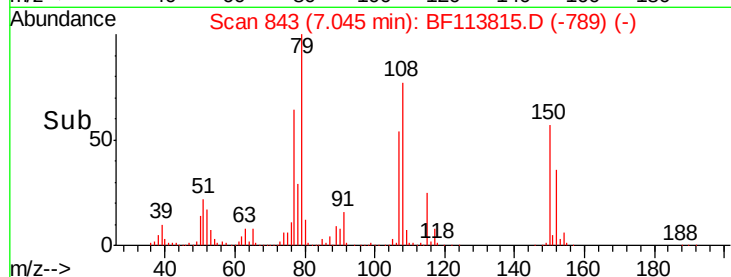
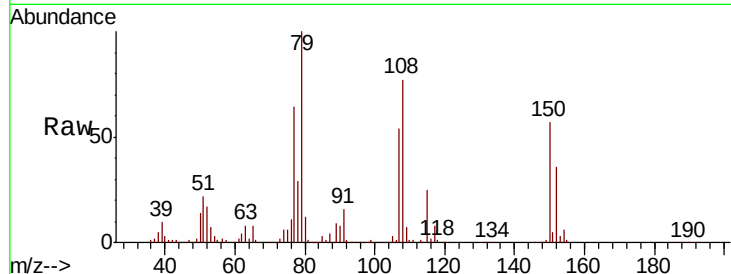




#15  
Benzvl Alcohol  
Concen: 114.651 ng  
RT: 7.05 min Scan# 843  
Delta R.T. 0.02 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

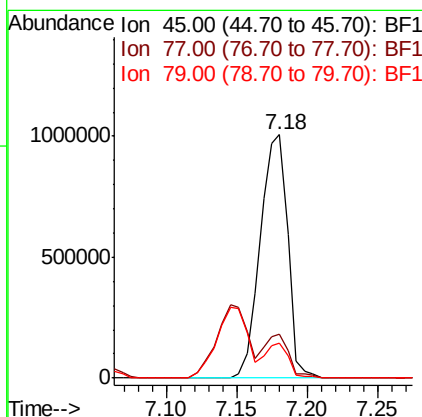
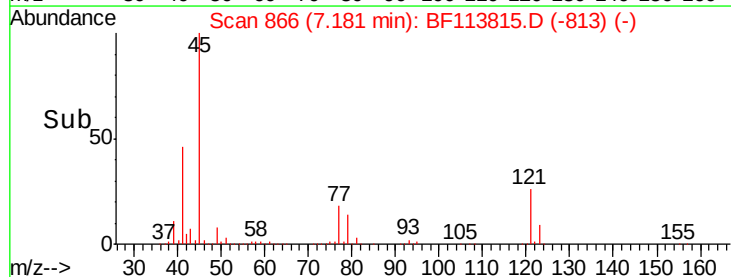
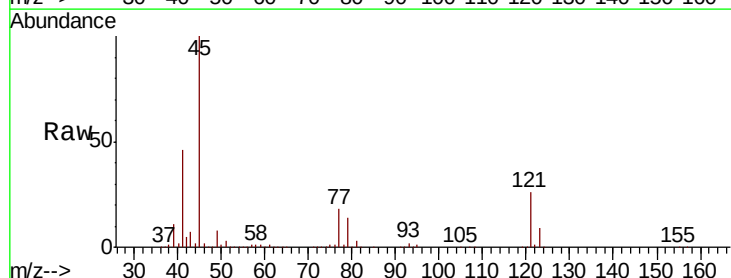
Instrument :  
BNA\_F  
ClientSampleId :

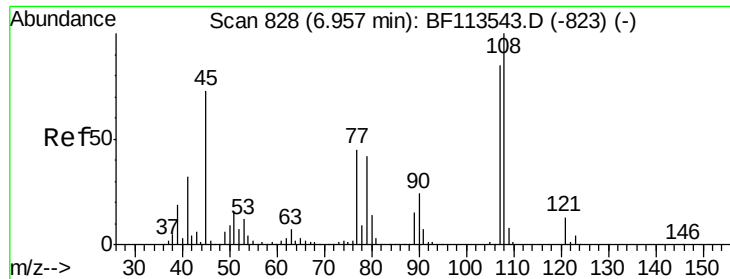
Tot Ion: 79 Resp: 1021639  
Ion Ratio Lower Upper  
79 100  
108 76.9 61.4 92.0  
77 64.1 51.6 77.4



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 75.704 ng  
RT: 7.18 min Scan# 866  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion: 45 Resp: 1379656  
Ion Ratio Lower Upper  
45 100  
77 18.1 0.0 37.0  
79 14.2 0.0 32.7

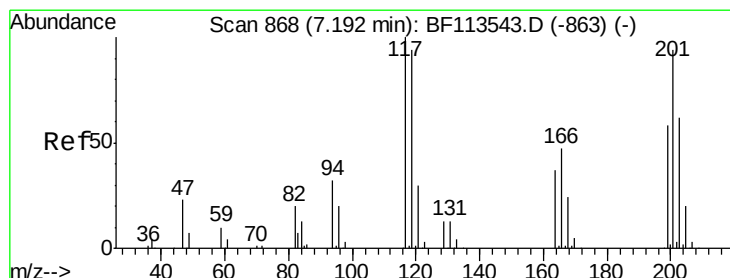
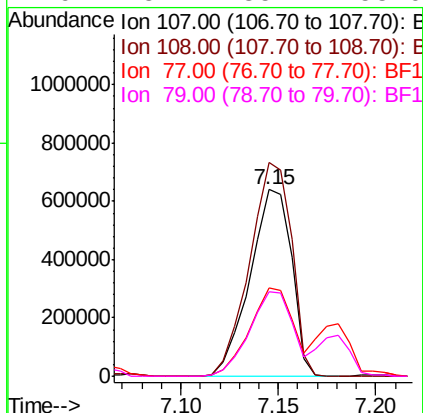
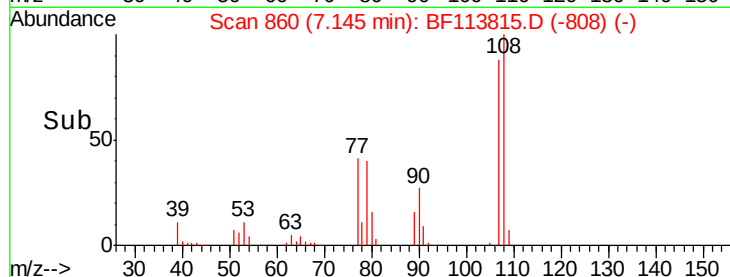
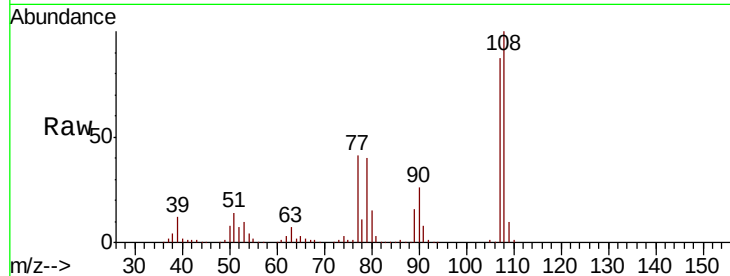




#17  
2-Methylphenol  
Concen: 98.851 ng  
RT: 7.15 min Scan# 860  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

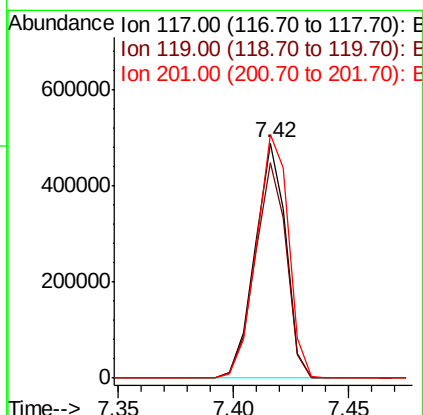
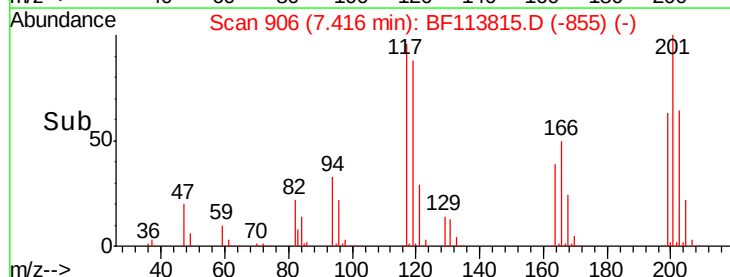
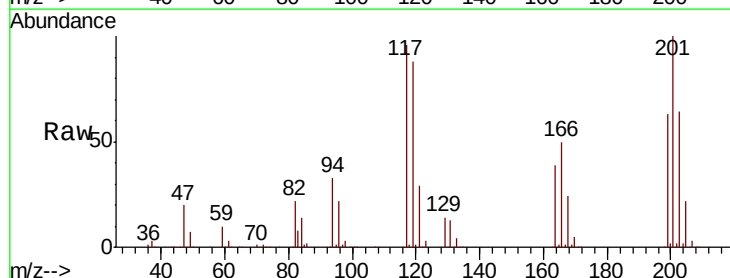
Instrument :  
BNA\_F  
ClientSampleId :

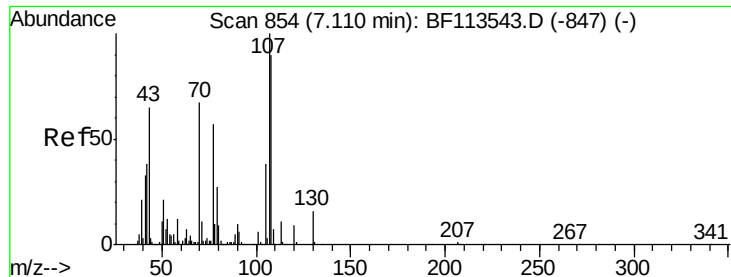
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 114.4 | 91.5  | 137.3 |
| 77      | 47.3  | 36.2  | 54.4  |
| 79      | 45.4  | 35.4  | 53.0  |



#18  
Hexachloroethane  
Concen: 93.097 ng  
RT: 7.42 min Scan# 906  
Delta R.T. -0.00 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 91.7  | 74.4  | 111.6 |
| 201     | 103.7 | 90.2  | 135.2 |

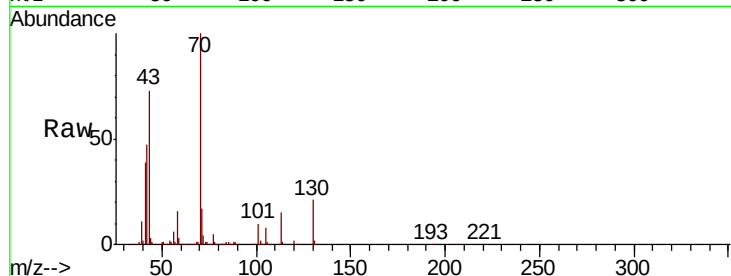




#19  
n-Nitroso-di-n-propylamine  
Concen: 104.717 ng  
RT: 7.33 min Scan# 891  
Delta R.T. 0.02 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 47.2  | 37.3  | 55.9  |
| 101     | 9.5   | 7.8   | 11.8  |
| 130     | 21.1  | 18.2  | 27.2  |



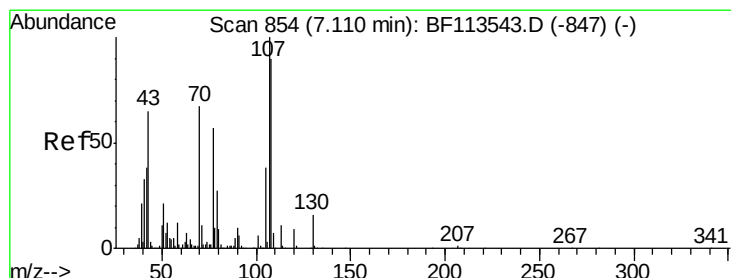
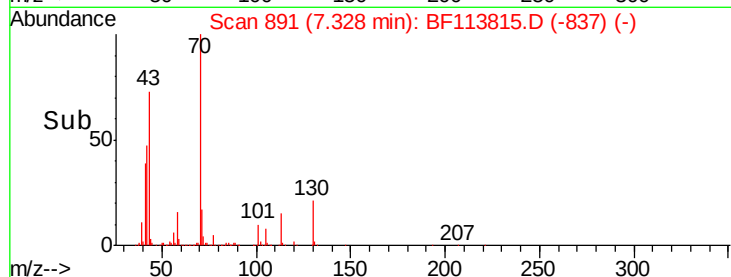
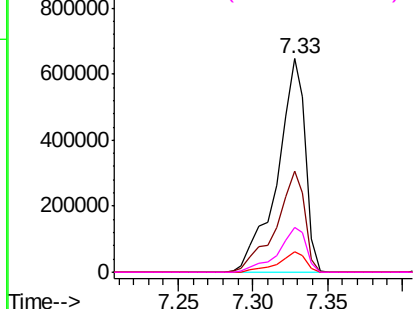
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20  
3+4-Methylphenols  
Concen: 88.161 ng  
RT: 7.31 min Scan# 888  
Delta R.T. 0.02 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 92.6  | 70.1  | 110.1 |
| 77      | 100.0 | 52.9  | 92.9  |
| 79      | 32.9  | 10.2  | 50.2  |

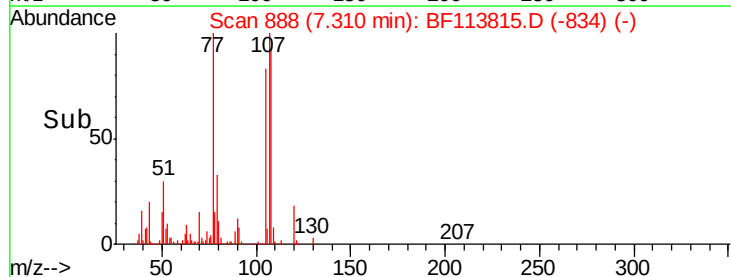
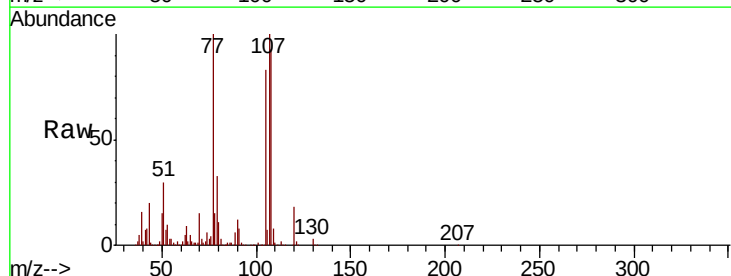
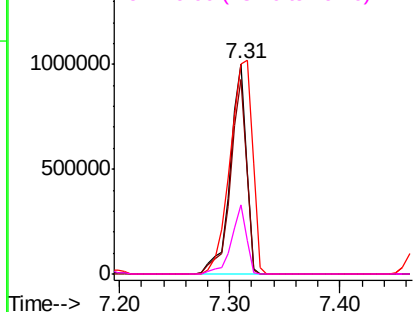
Abundance

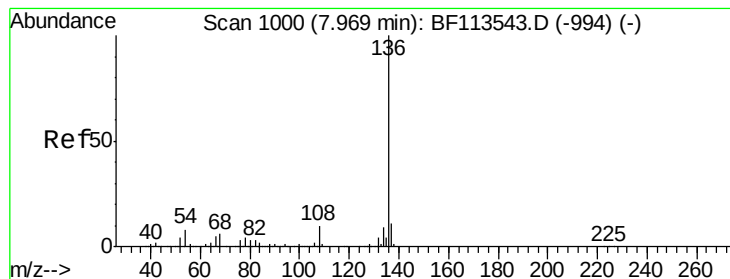
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 725304

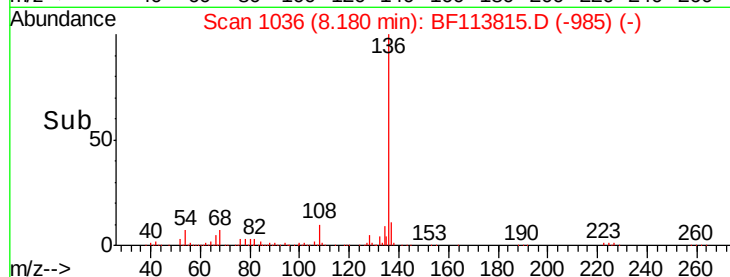
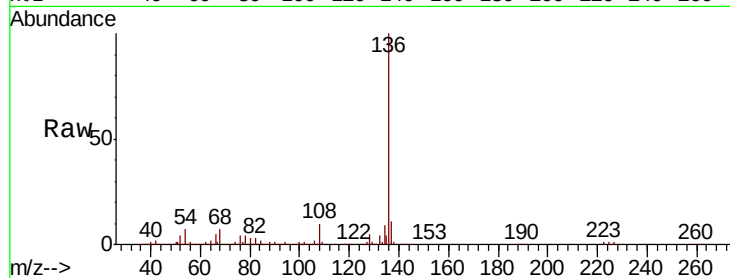
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 6.9 5.0 7.6

68 6.7 4.9 7.3

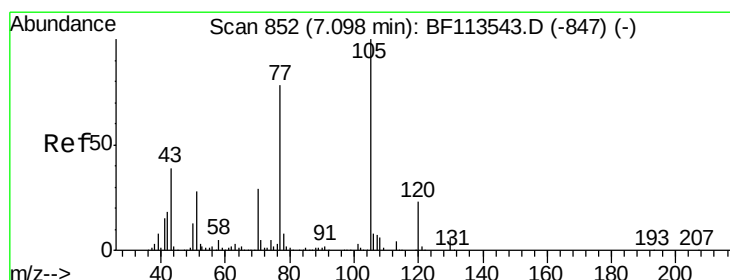
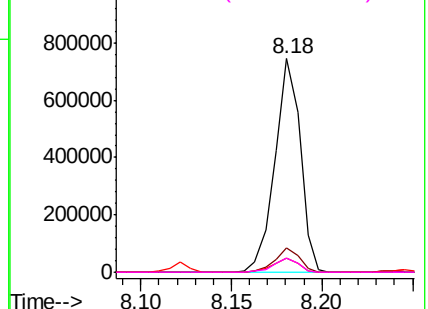


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 90.094 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Tgt Ion:105 Resp: 1435197

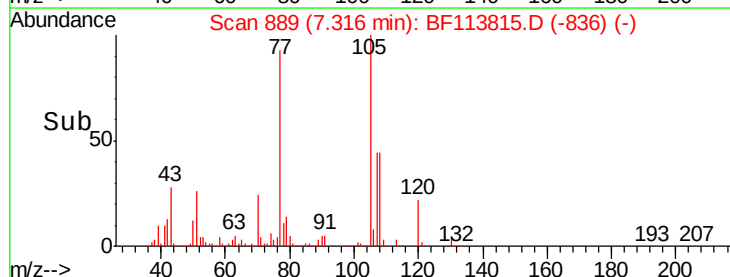
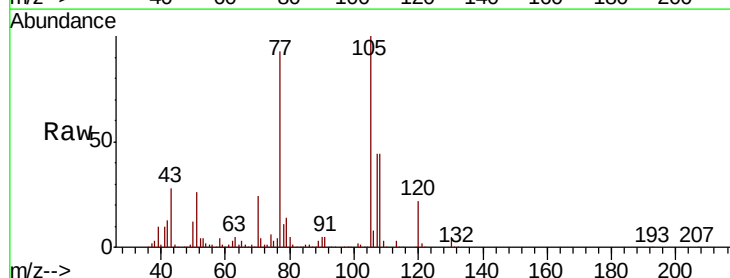
Ion Ratio Lower Upper

105 100

71 4.1 6.1 9.1#

51 26.4 16.8 25.2#

120 21.8 17.6 26.4

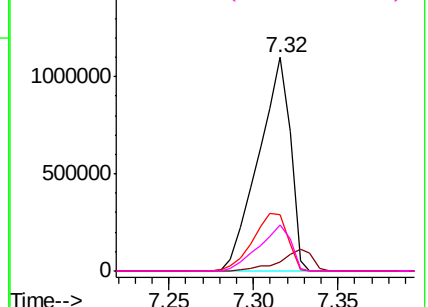


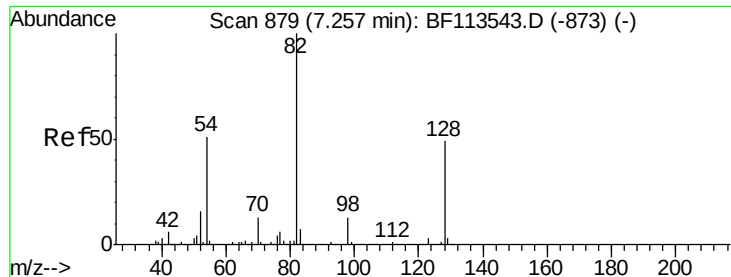
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

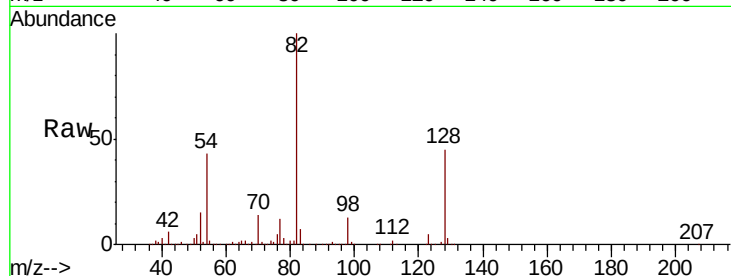




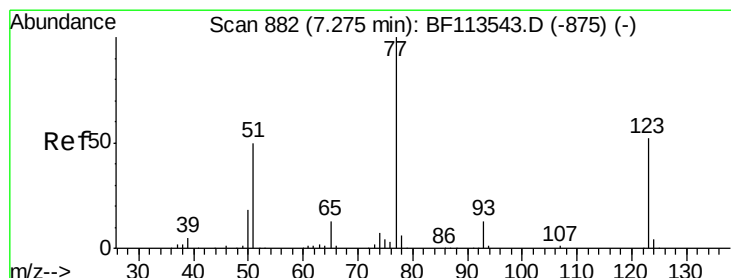
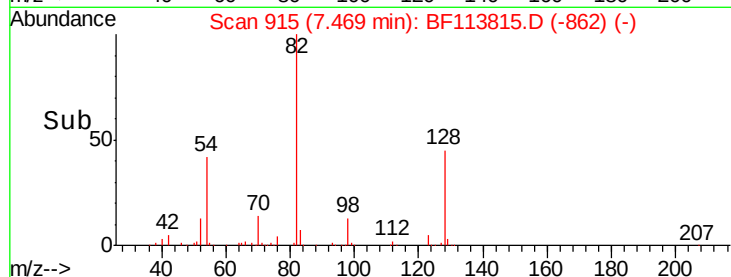
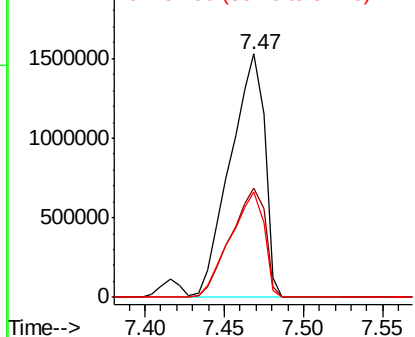
#23  
 Nitrobenzene-d5  
 Concen: 185.900 ng  
 RT: 7.47 min Scan# 915  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 82 Resp: 2301894  
 Ion Ratio Lower Upper  
 82 100  
 128 44.9 36.8 55.2  
 54 43.3 33.8 50.6

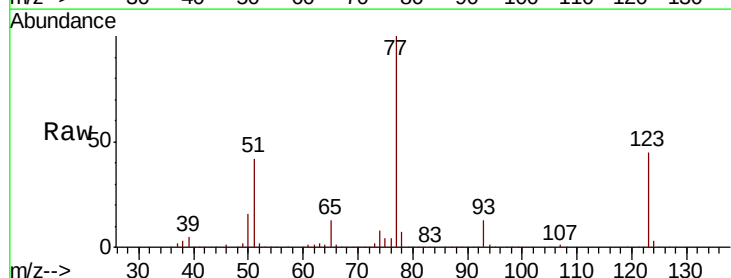


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

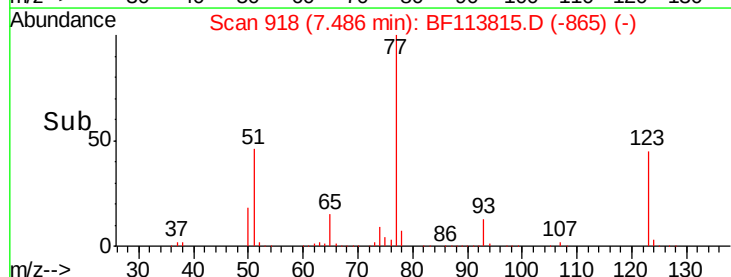
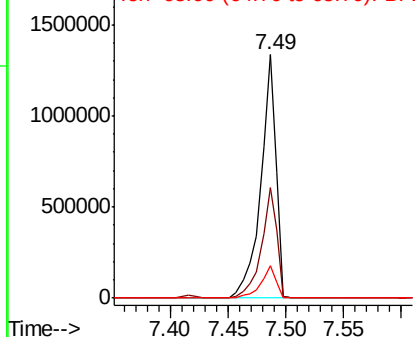


#24  
 Nitrobenzene  
 Concen: 97.906 ng  
 RT: 7.49 min Scan# 918  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

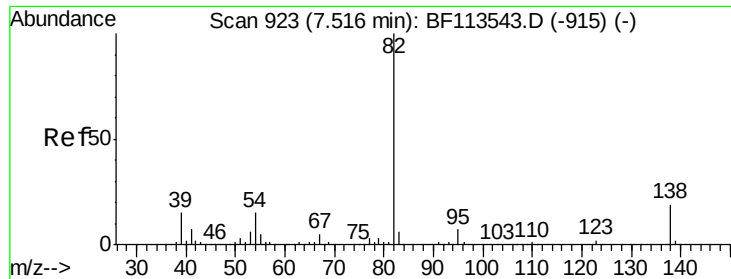
Tgt Ion: 77 Resp: 1248478  
 Ion Ratio Lower Upper  
 77 100  
 123 45.5 36.3 54.5  
 65 13.2 10.3 15.5



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: 97.817 ng

RT: 7.73 min Scan# 959

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampleId :

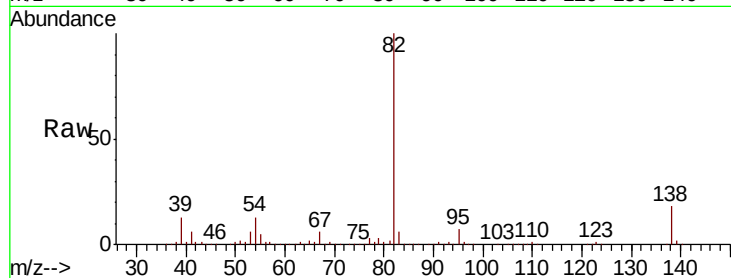
Tot Ion: 82 Resp: 2333237

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.2

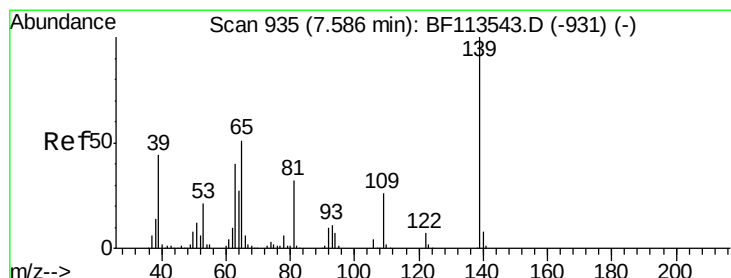
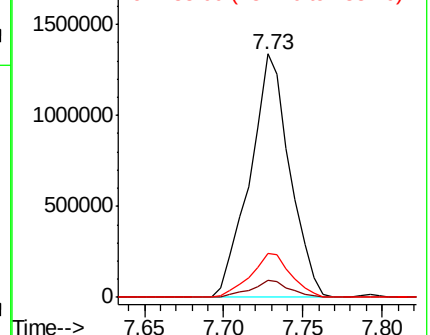
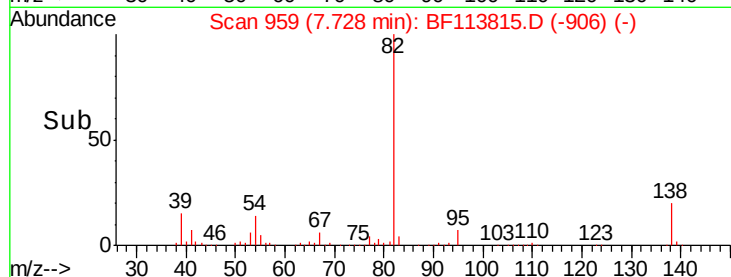
138 18.2 14.6 22.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 85.213 ng

RT: 7.80 min Scan# 971

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

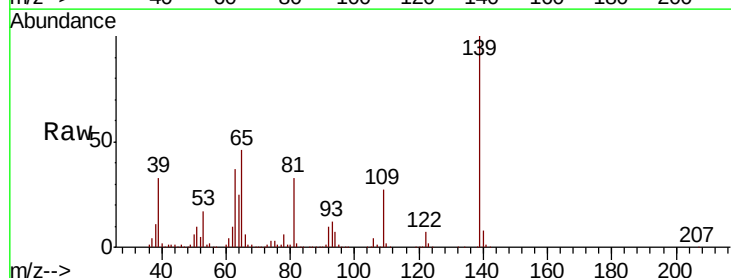
Tgt Ion: 139 Resp: 584823

Ion Ratio Lower Upper

139 100

109 26.7 20.6 31.0

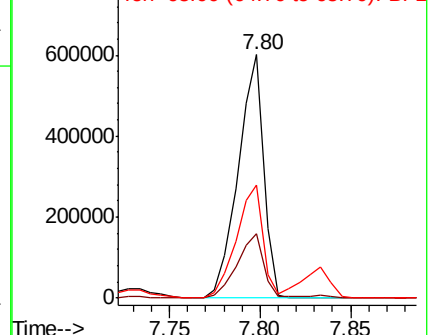
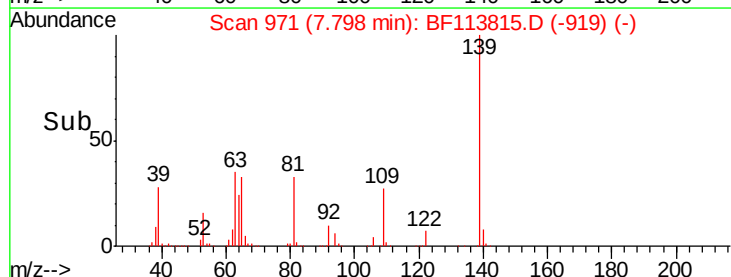
65 46.5 34.6 52.0

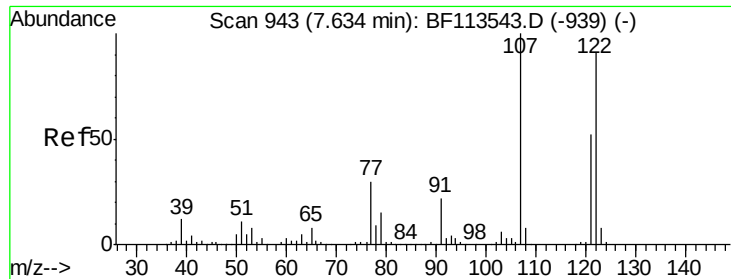


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

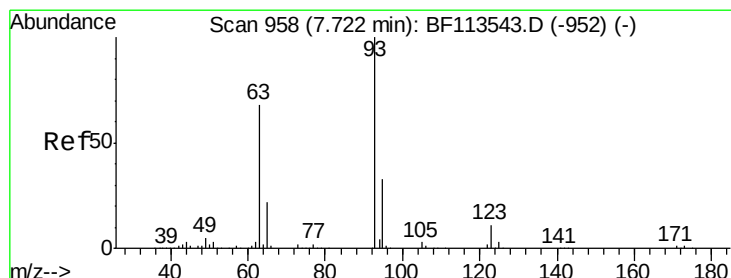
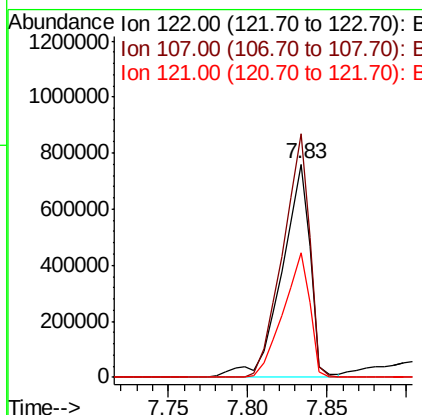
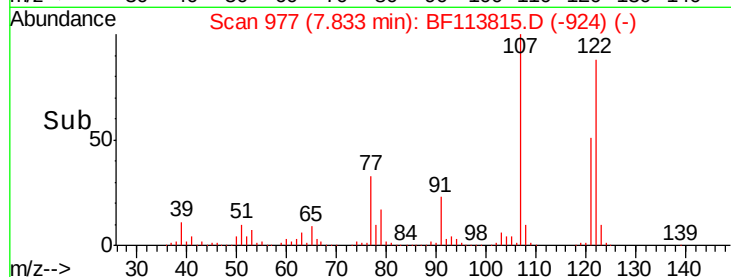
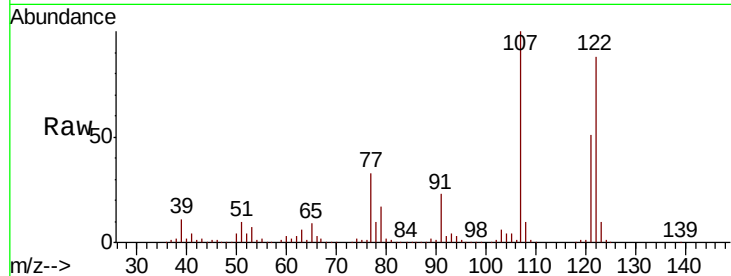




#27  
2,4-Dimethylphenol  
Concen: 95.895 ng  
RT: 7.83 min Scan# 977  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

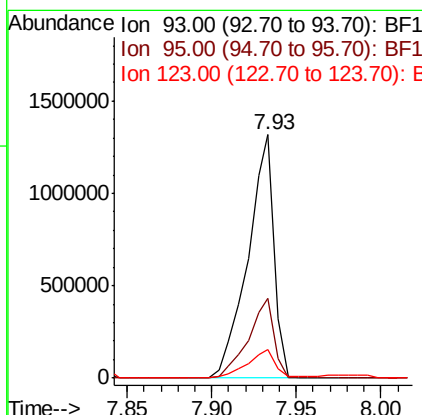
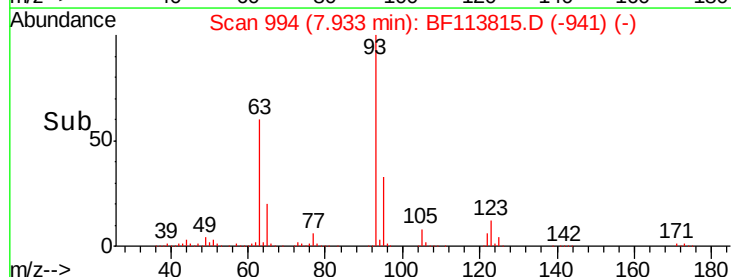
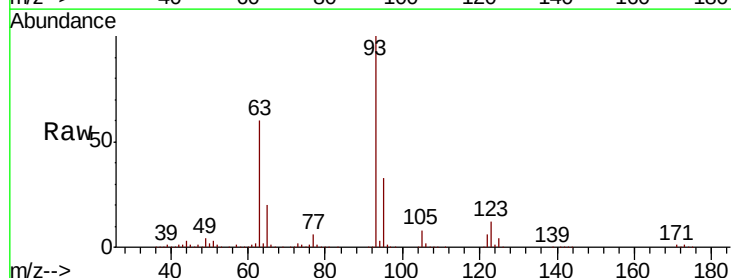
Instrument :  
BNA\_F  
ClientSampled :

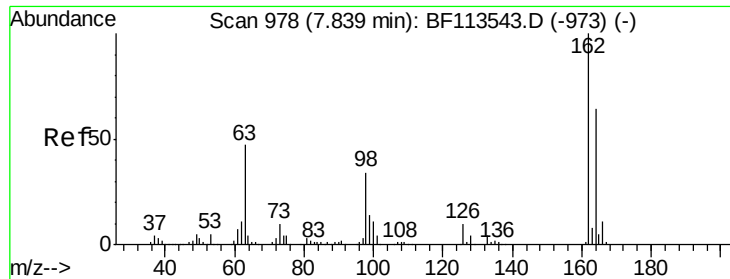
Tot Ion:122 Resp: 940875  
Ion Ratio Lower Upper  
122 100  
107 114.2 91.2 136.8  
121 58.4 46.4 69.6



#28  
bis(2-Chloroethoxy)methane  
Concen: 94.294 ng  
RT: 7.93 min Scan# 994  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion: 93 Resp: 1422009  
Ion Ratio Lower Upper  
93 100  
95 33.0 25.8 38.6  
123 11.9 9.0 13.6

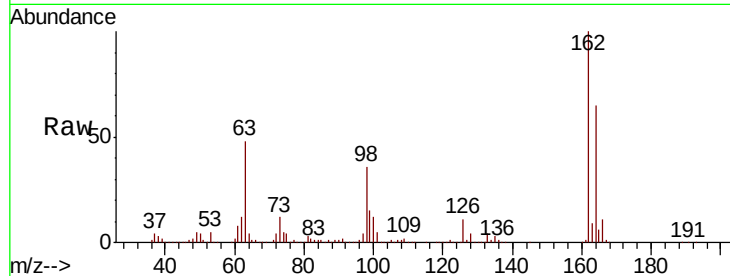




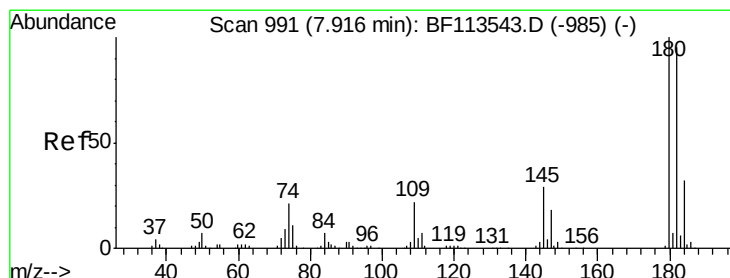
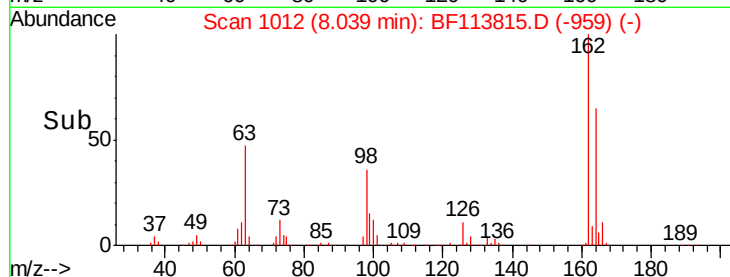
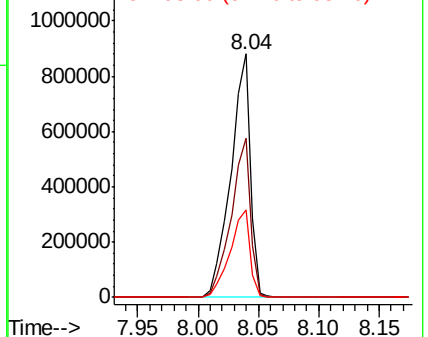
#29  
2,4-Dichlorophenol  
Concen: 94.978 ng  
RT: 8.04 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:162 Resp: 997054  
Ion Ratio Lower Upper  
162 100  
164 65.2 43.7 83.7  
98 35.7 15.5 55.5

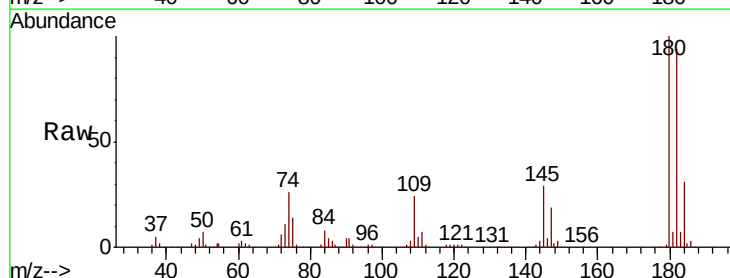


Abundance Ion 162.00 (161.70 to 162.70): E  
1200000  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

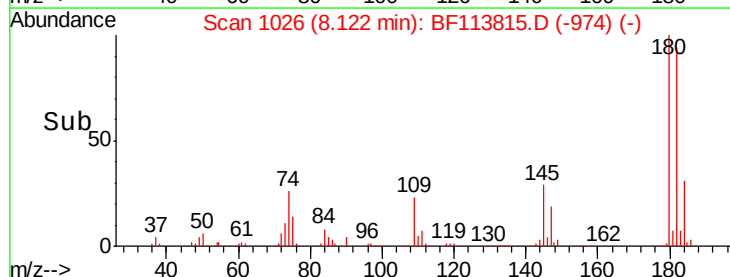
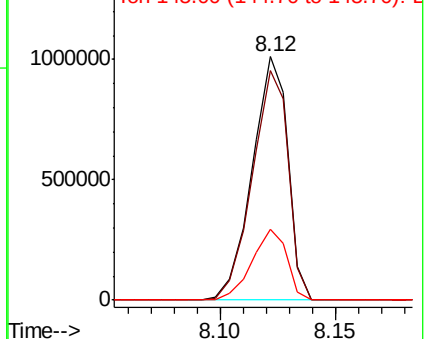


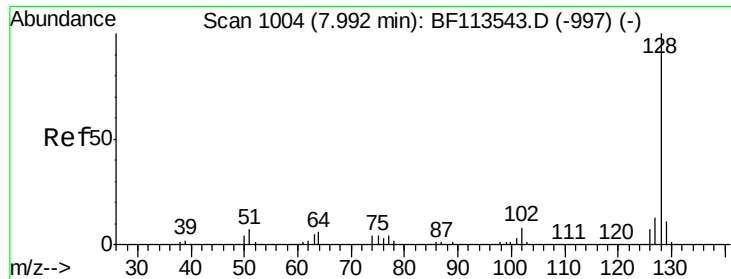
#30  
1,2,4-Trichlorobenzene  
Concen: 95.525 ng  
RT: 8.12 min Scan# 1026  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion:180 Resp: 1088998  
Ion Ratio Lower Upper  
180 100  
182 94.5 75.4 113.0  
145 28.9 23.0 34.4



Abundance Ion 180.00 (179.70 to 180.70): E  
1000000  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E

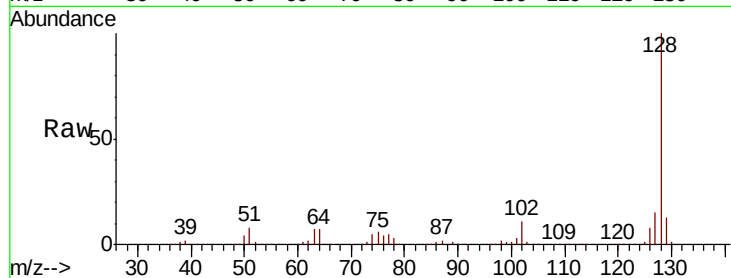




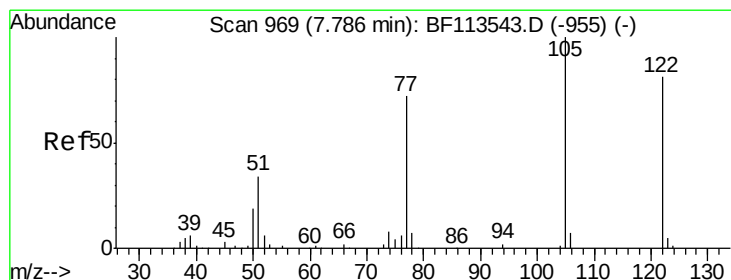
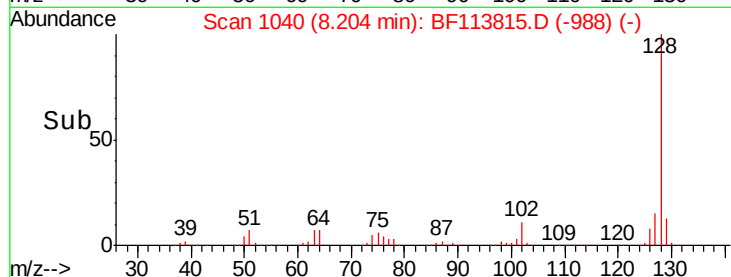
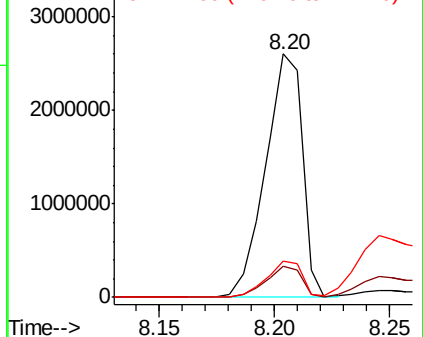
#31  
Naphthalene  
Concen: 81.835 ng  
RT: 8.20 min Scan# 1040  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:128 Resp: 2875881  
Ion Ratio Lower Upper  
128 100  
129 12.7 9.4 14.0  
127 14.8 10.8 16.2

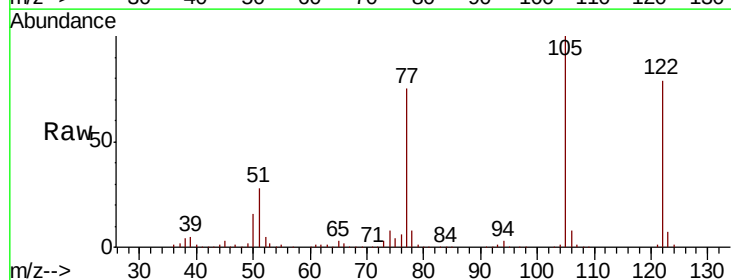


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

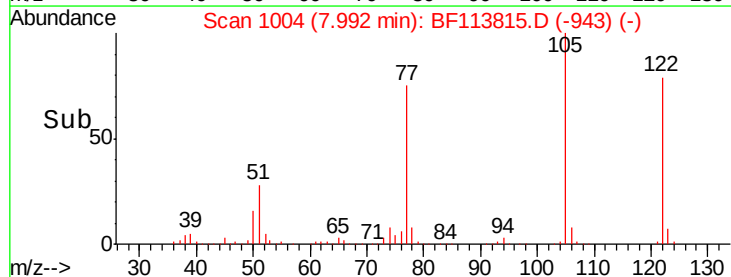
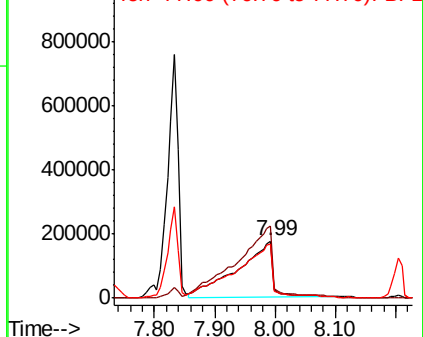


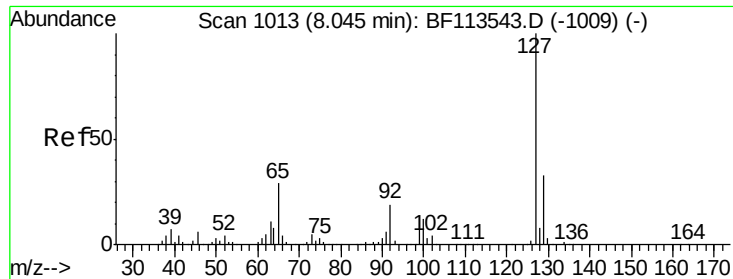
#32  
Benzoic acid  
Concen: 96.517 ng  
RT: 7.99 min Scan# 1004  
Delta R.T. 0.06 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion:122 Resp: 733294  
Ion Ratio Lower Upper  
122 100  
105 126.7 104.3 144.3  
77 94.6 70.4 110.4



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1

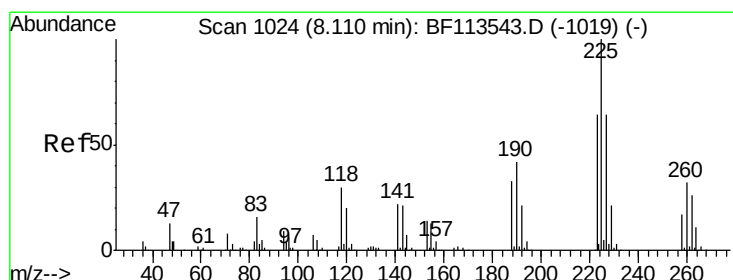
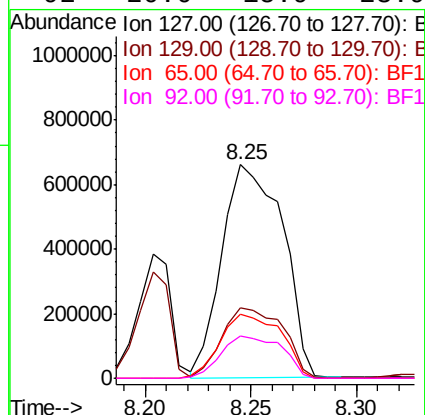
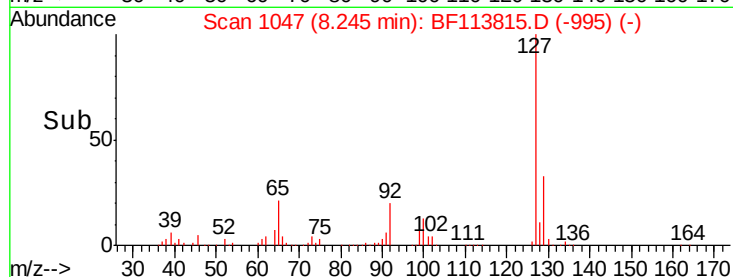
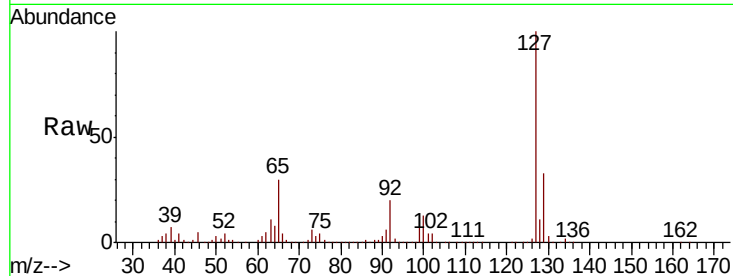




#33  
4-Chloroaniline  
Concen: 94.703 ng  
RT: 8.25 min Scan# 1047  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

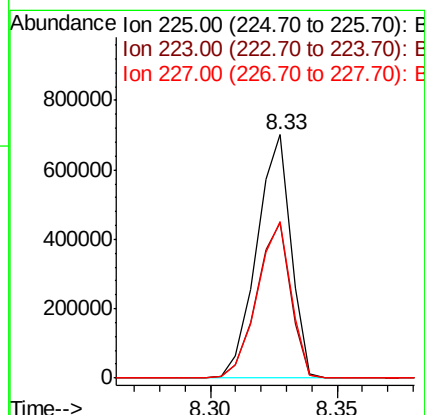
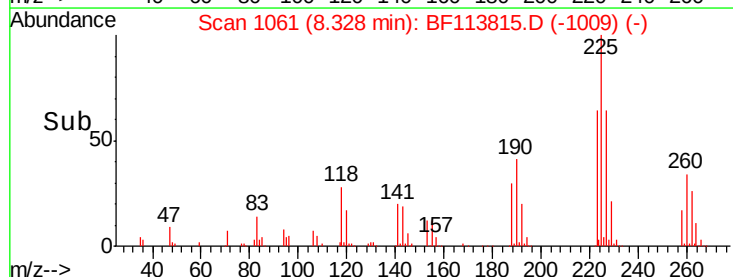
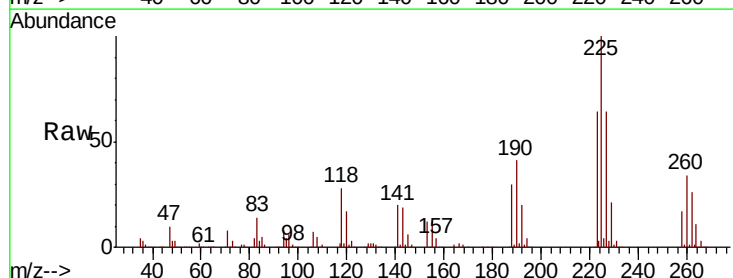
Instrument :  
BNA\_F  
ClientSampled :

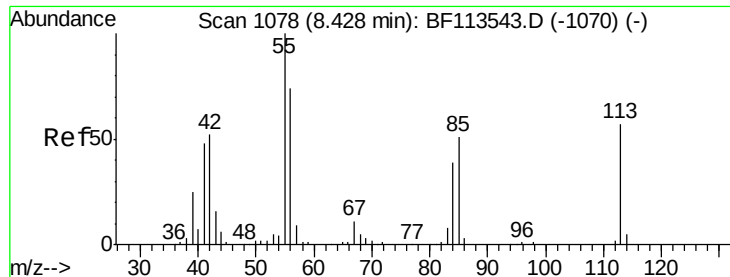
Tot Ion:127 Resp: 1319660  
Ion Ratio Lower Upper  
127 100  
129 32.7 26.4 39.6  
65 30.1 24.9 37.3  
92 20.0 15.9 23.9



#34  
Hexachlorobutadiene  
Concen: 94.861 ng  
RT: 8.33 min Scan# 1061  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion:225 Resp: 659310  
Ion Ratio Lower Upper  
225 100  
223 63.6 51.1 76.7  
227 64.4 49.9 74.9

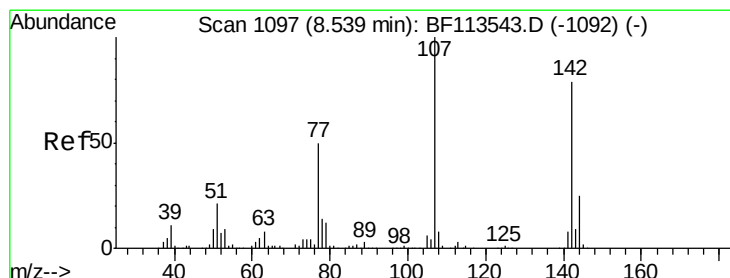
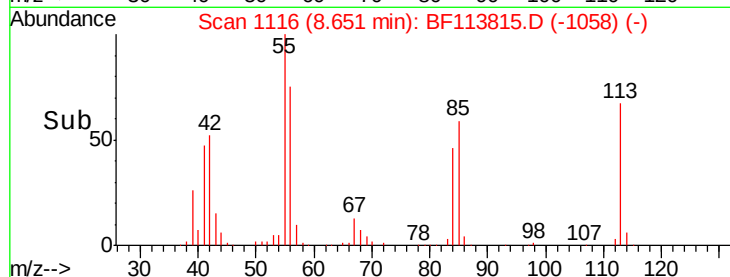
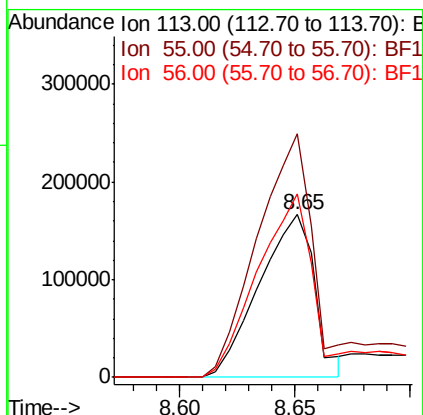
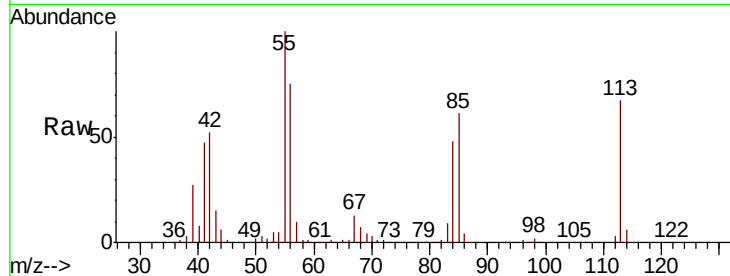




#35  
 Caprolactam  
 Concen: 83.126 ng  
 RT: 8.65 min Scan# 1116  
 Delta R.T. 0.04 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

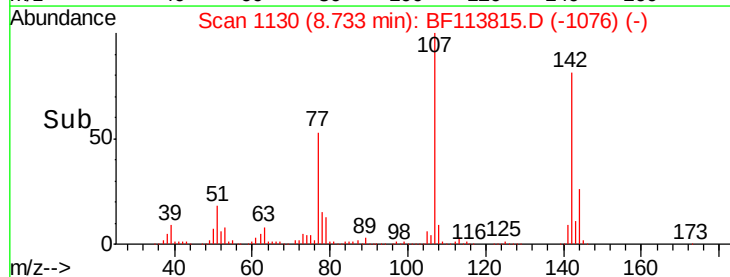
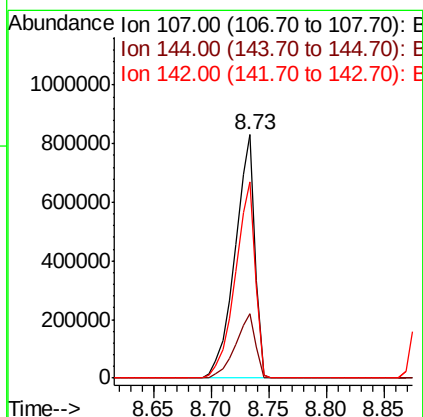
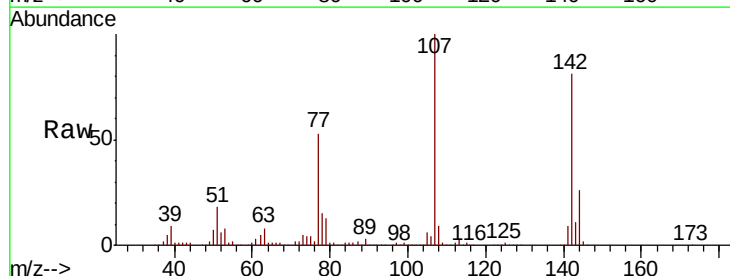
Instrument :  
 BNA\_F  
 ClientSampleId :

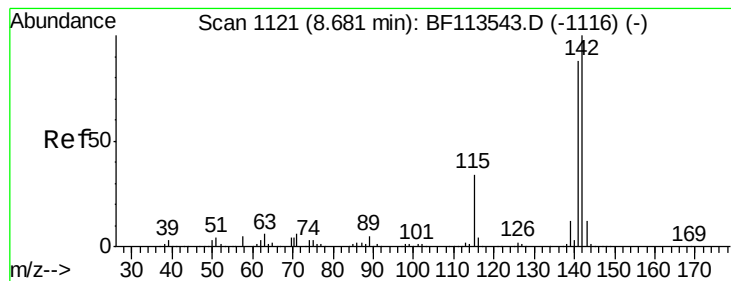
Tot Ion:113 Resp: 277005  
 Ion Ratio Lower Upper  
 113 100  
 55 149.7 128.6 168.6  
 56 113.0 91.9 131.9



#36  
 4-Chloro-3-methylphenol  
 Concen: 94.108 ng  
 RT: 8.73 min Scan# 1130  
 Delta R.T. 0.02 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Tgt Ion:107 Resp: 991719  
 Ion Ratio Lower Upper  
 107 100  
 144 26.5 20.5 30.7  
 142 80.6 64.2 96.4





#37

2-Methylnaphthalene

Concen: 84.159 ng

RT: 8.90 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampleId :

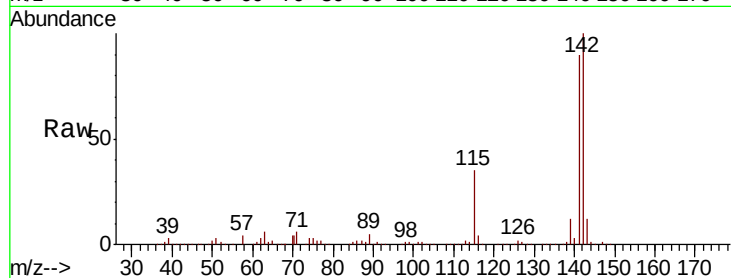
Tot Ion:142 Resp: 1945203

Ion Ratio Lower Upper

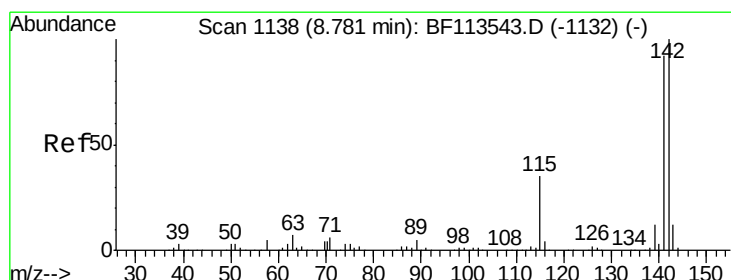
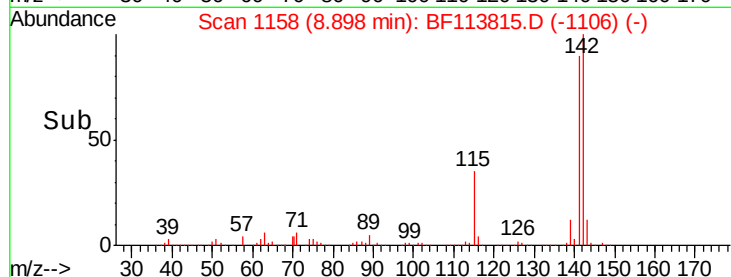
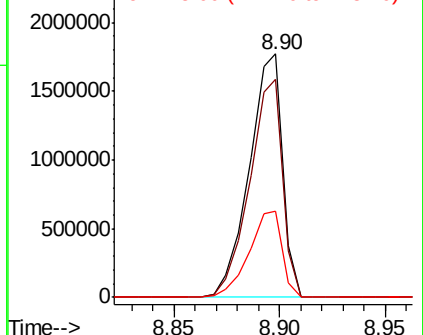
142 100

141 89.7 70.4 105.6

115 35.4 26.3 39.5



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



#38

1-Methylnaphthalene

Concen: 84.686 ng

RT: 9.00 min Scan# 1175

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

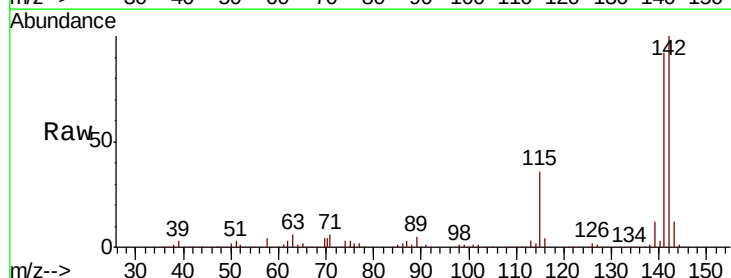
Tgt Ion:142 Resp: 1887405

Ion Ratio Lower Upper

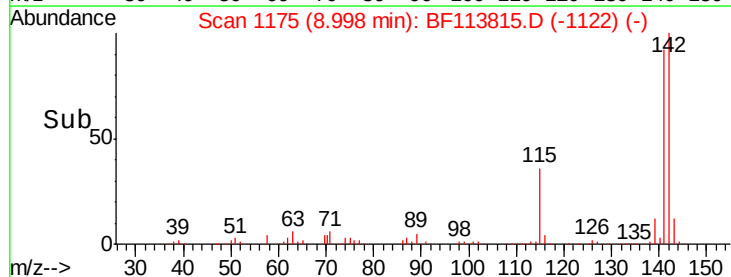
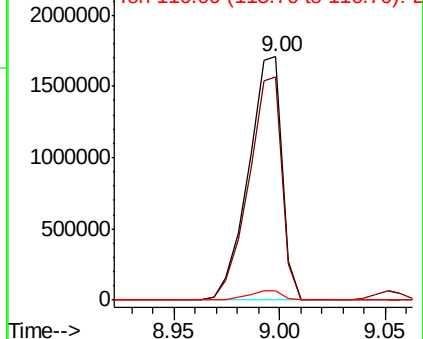
142 100

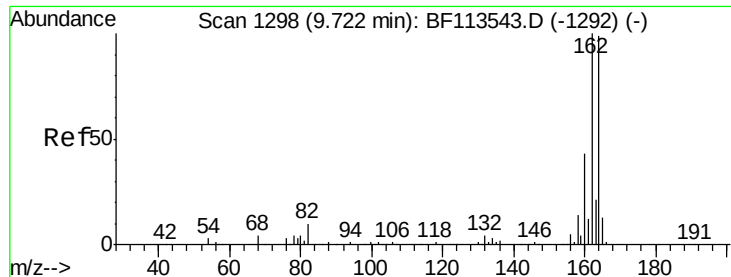
141 91.8 72.3 108.5

116 3.7 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E

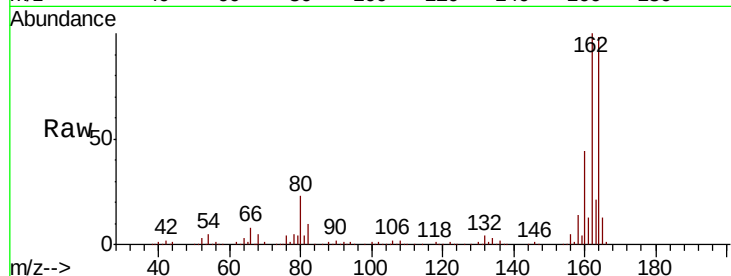




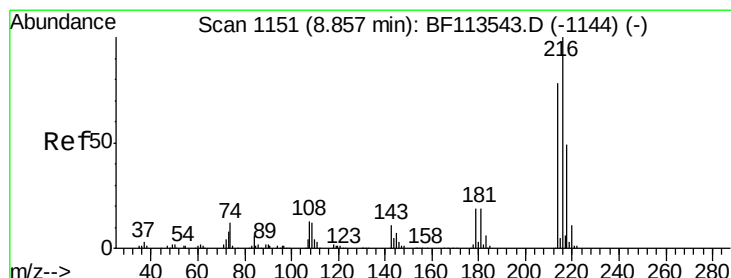
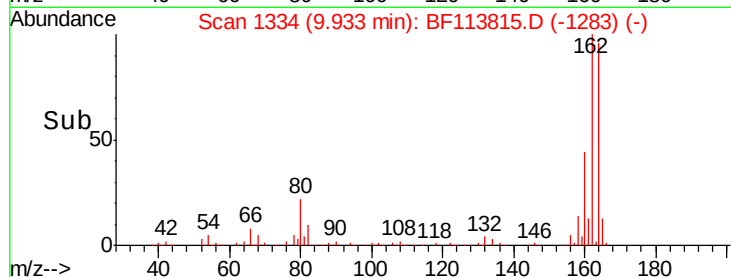
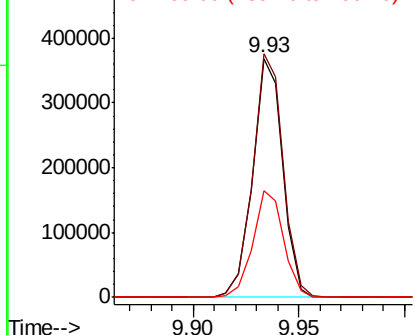
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.93 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:164 Resp: 362913  
Ion Ratio Lower Upper  
164 100  
162 101.9 81.1 121.7  
160 44.8 35.8 53.6

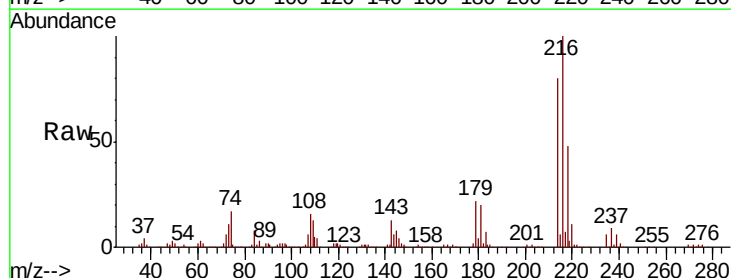


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

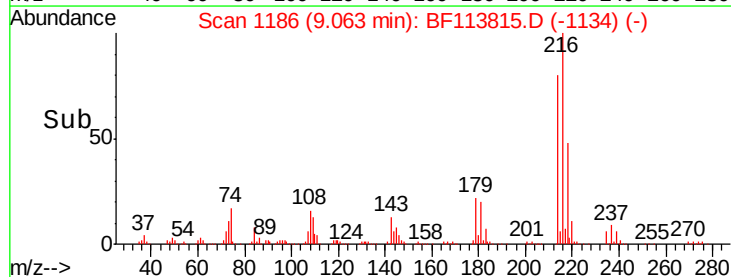
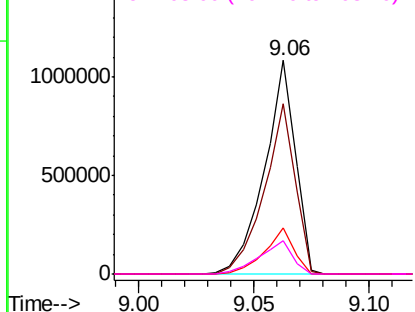


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 85.767 ng  
RT: 9.06 min Scan# 1186  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

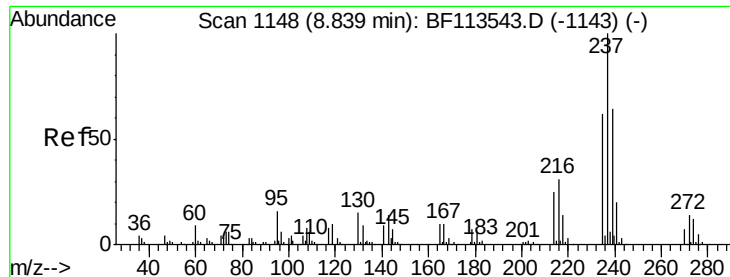
Tgt Ion:216 Resp: 1006640  
Ion Ratio Lower Upper  
216 100  
214 79.4 63.5 95.3  
179 20.6 16.1 24.1  
108 16.7 13.4 20.0



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







#41

Hexachlorocyclopentadiene

Concen: 168.790 ng

RT: 9.05 min Scan# 1184

Delta R.T. -0.00 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampleId :

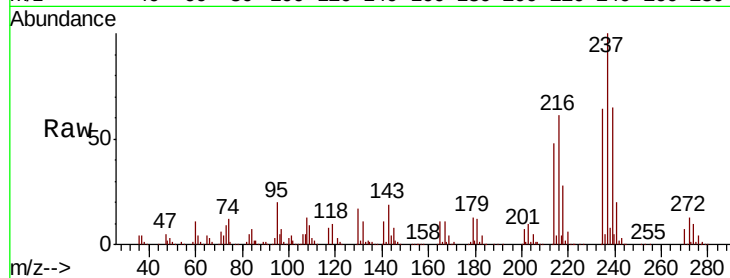
Tot Ion:237 Resp: 588509

Ion Ratio Lower Upper

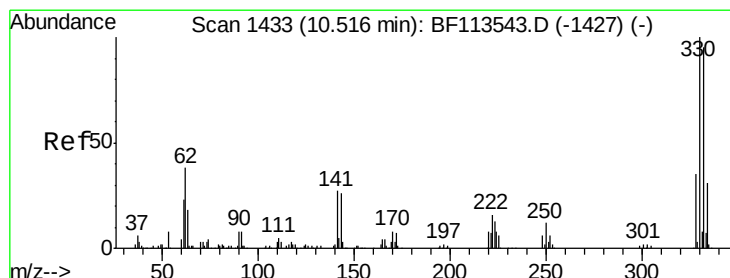
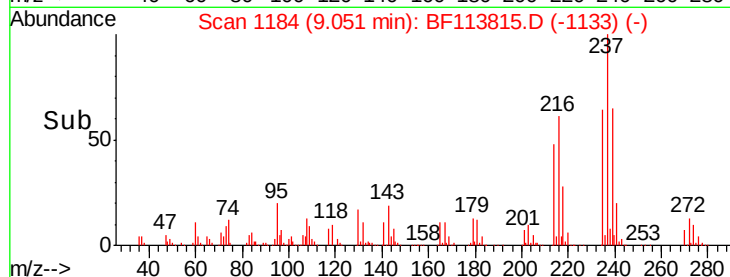
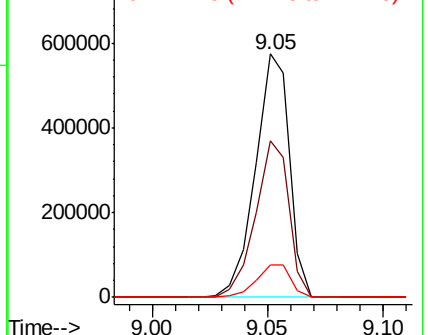
237 100

235 64.1 42.6 82.6

272 13.2 0.0 33.8



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: 162.246 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

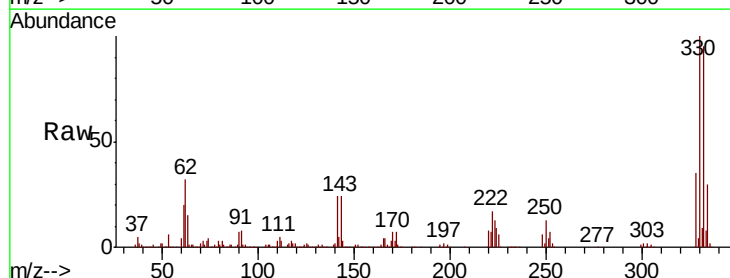
Tgt Ion:330 Resp: 707308

Ion Ratio Lower Upper

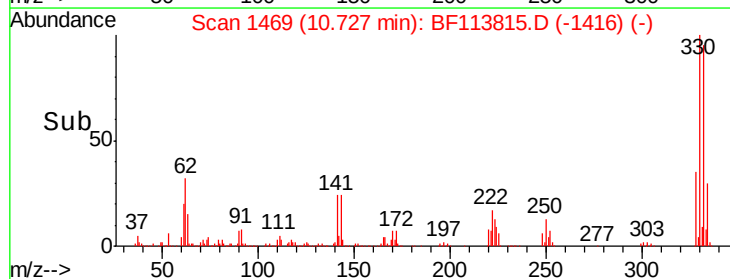
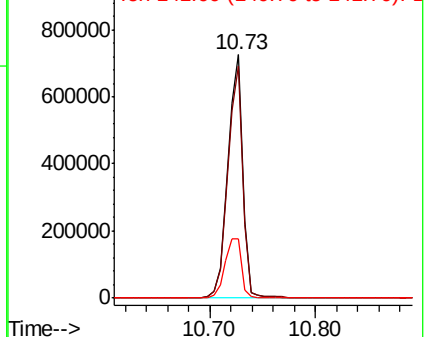
330 100

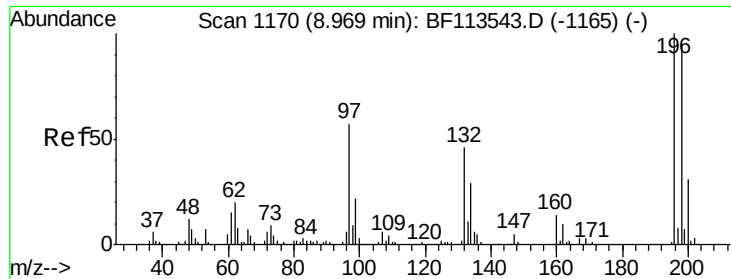
332 96.3 77.5 116.3

141 27.7 22.2 33.2



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

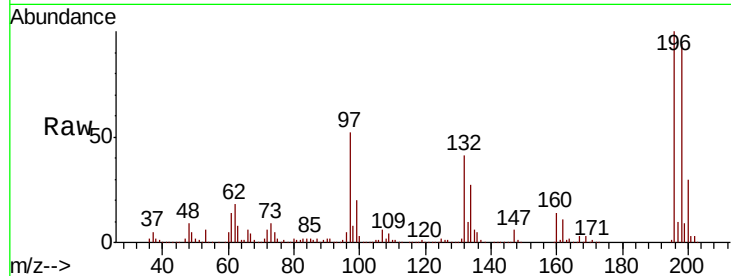




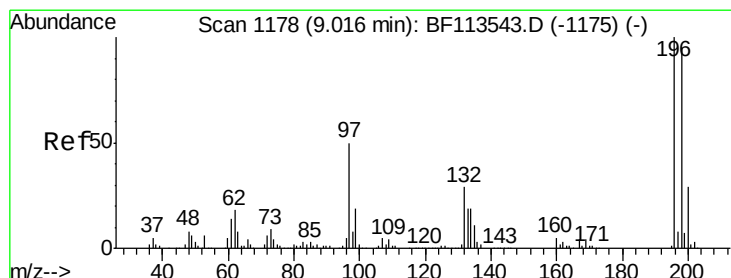
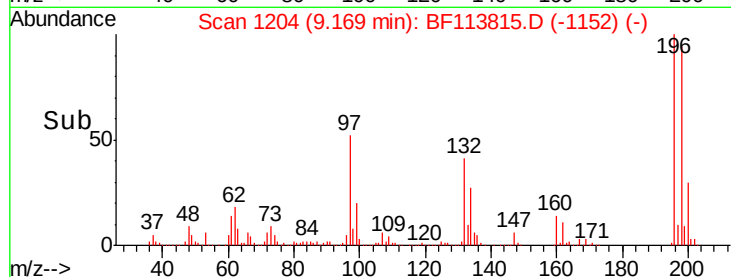
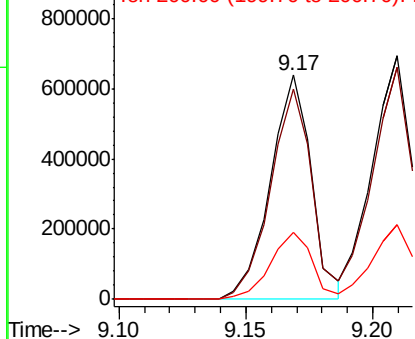
#43  
 2,4,6-Trichlorophenol  
 Concen: 97.553 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:196 Resp: 722739  
 Ion Ratio Lower Upper  
 196 100  
 198 94.1 75.6 113.4  
 200 30.1 24.7 37.1

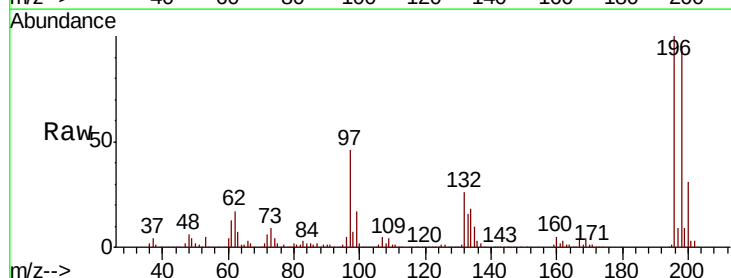


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

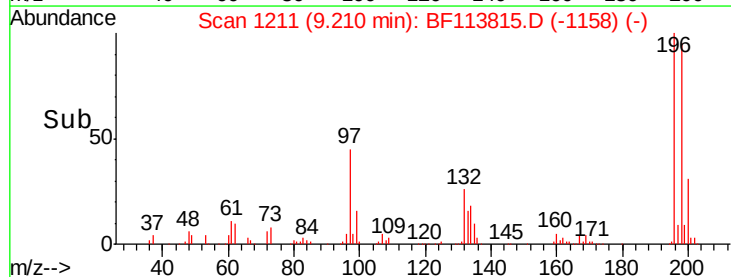
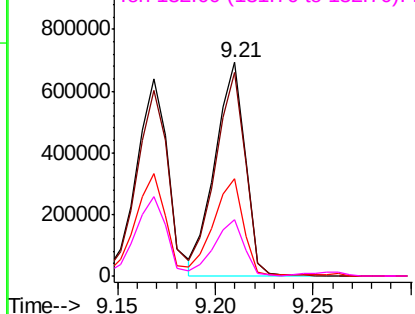


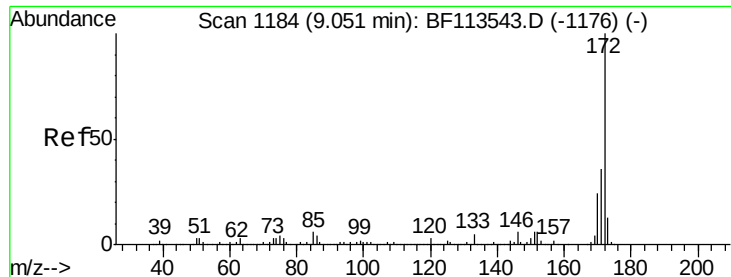
#44  
 2,4,5-Trichlorophenol  
 Concen: 93.572 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Tgt Ion:196 Resp: 744254  
 Ion Ratio Lower Upper  
 196 100  
 198 95.5 76.2 114.4  
 97 45.7 35.8 53.8  
 132 26.2 20.9 31.3



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

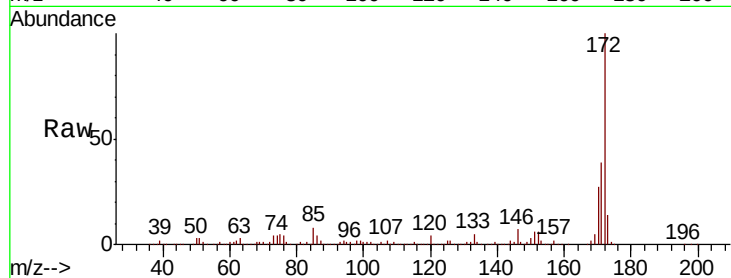




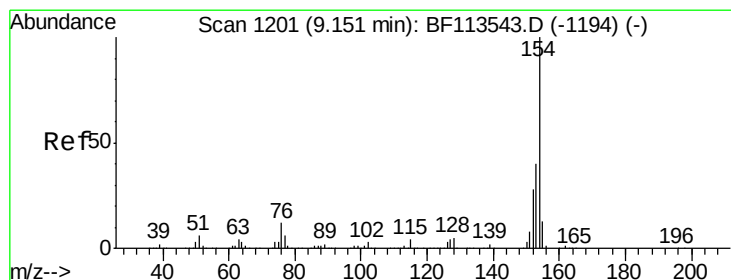
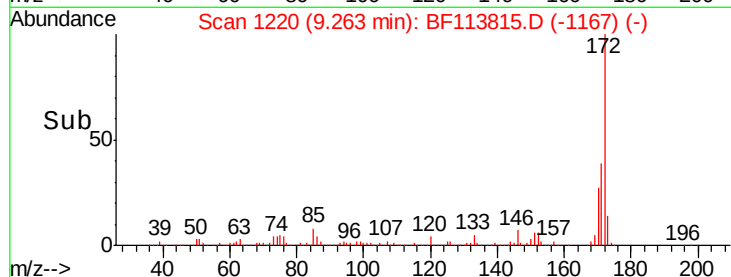
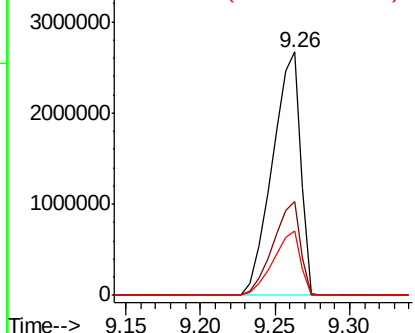
#45  
 2-Fluorobiphenyl  
 Concen: 155.581 ng  
 RT: 9.26 min Scan# 1220  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 3507210  
 Ion Ratio Lower Upper  
 172 100  
 171 38.7 29.4 44.0  
 170 26.7 19.9 29.9

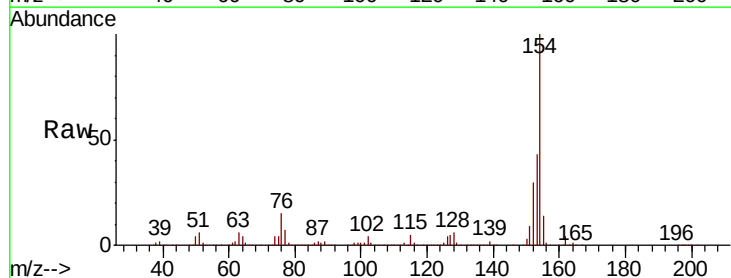


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

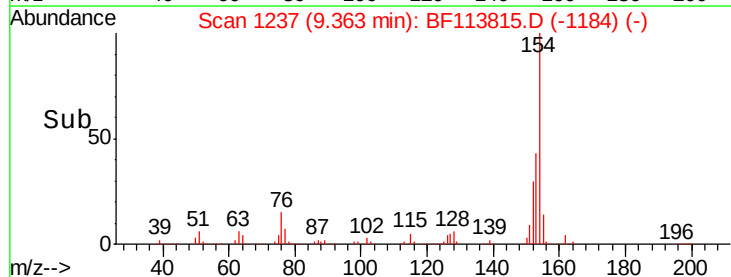
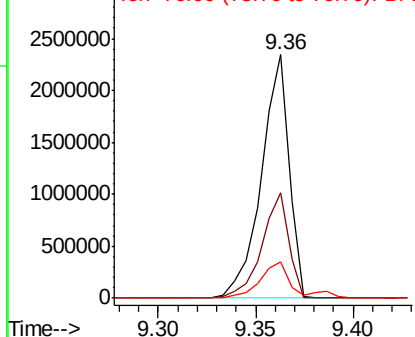


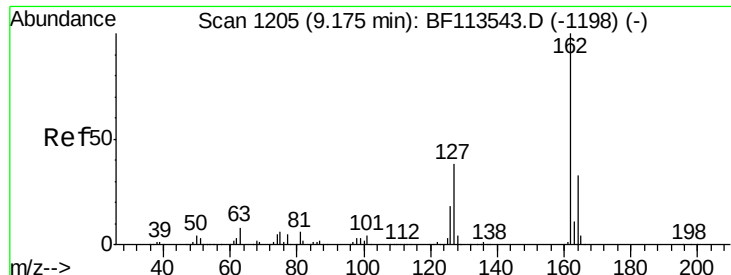
#46  
 1,1'-Biphenyl  
 Concen: 76.982 ng  
 RT: 9.36 min Scan# 1237  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Tgt Ion:154 Resp: 2305387  
 Ion Ratio Lower Upper  
 154 100  
 153 43.3 20.8 60.8  
 76 15.2 0.0 35.2



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

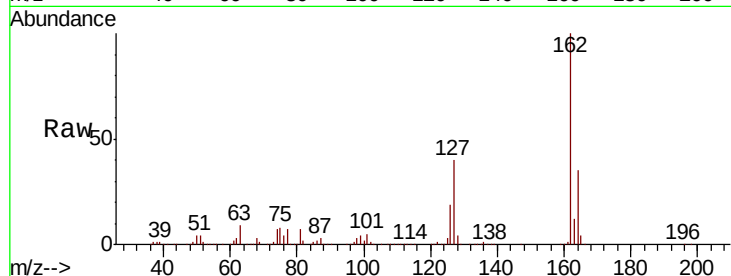




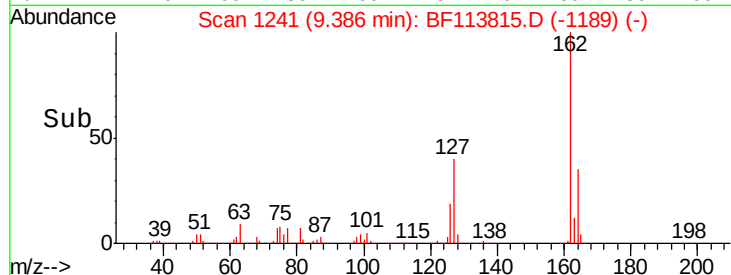
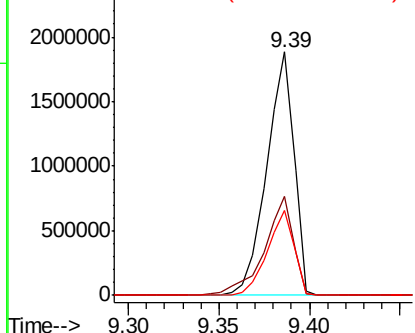
#47  
 2-Chloronaphthalene  
 Concen: 86.984 ng  
 RT: 9.39 min Scan# 1241  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:162 Resp: 1972289  
 Ion Ratio Lower Upper  
 162 100  
 127 40.4 29.3 43.9  
 164 34.8 27.1 40.7

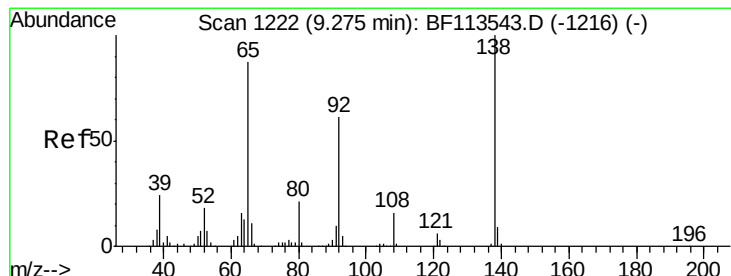


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

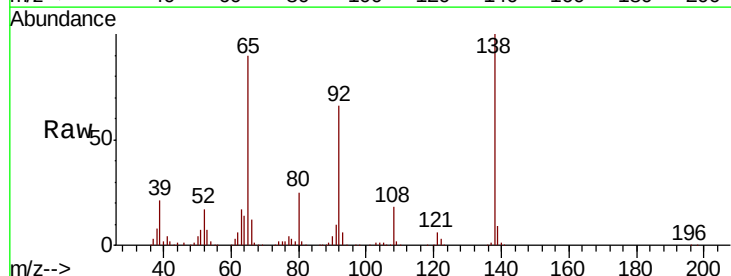
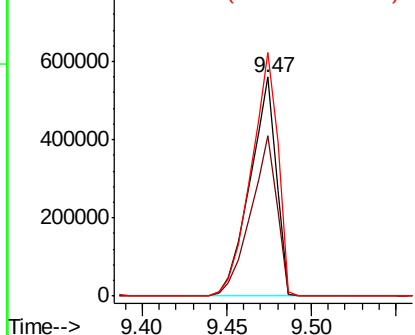


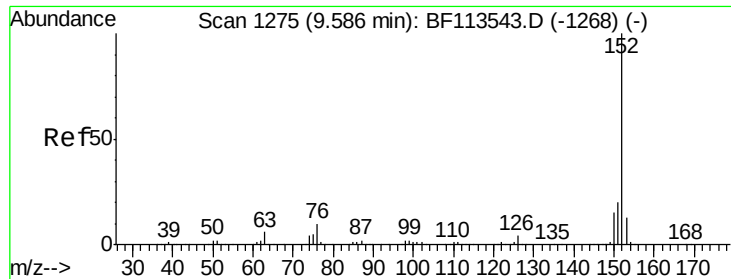
#48  
 2-Nitroaniline  
 Concen: 88.091 ng  
 RT: 9.47 min Scan# 1256  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Tgt Ion: 65 Resp: 611181  
 Ion Ratio Lower Upper  
 65 100  
 92 73.1 57.4 86.0  
 138 111.2 85.4 128.0



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





#49

Acenaphthylene

Concen: 81.098 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampleId :

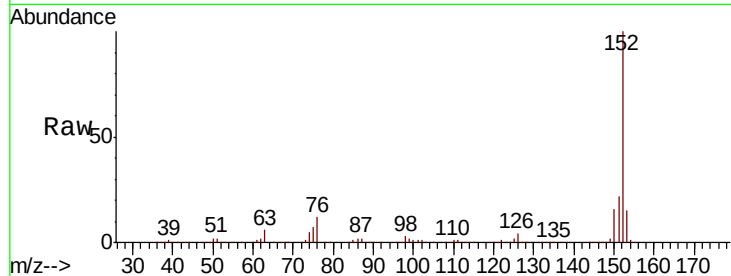
Tot Ion:152 Resp: 2990122

Ion Ratio Lower Upper

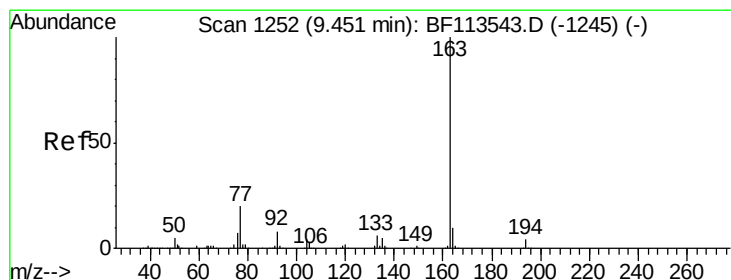
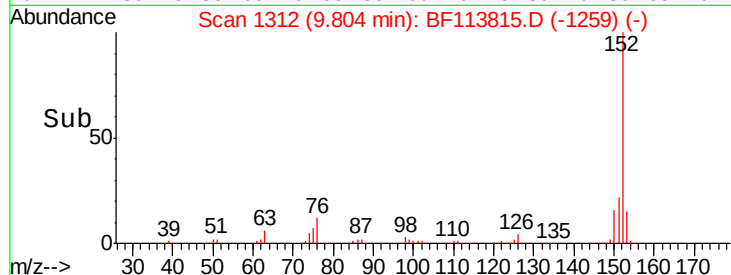
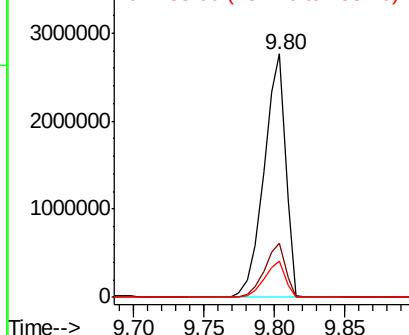
152 100

151 22.5 17.0 25.4

153 14.6 11.0 16.6



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



#50

Dimethylphthalate

Concen: 84.270 ng

RT: 9.67 min Scan# 1289

Delta R.T. 0.02 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

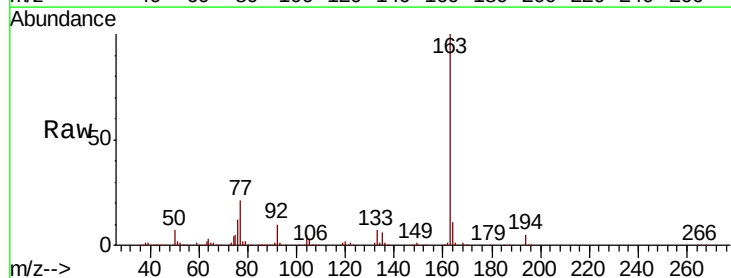
Tgt Ion:163 Resp: 2254360

Ion Ratio Lower Upper

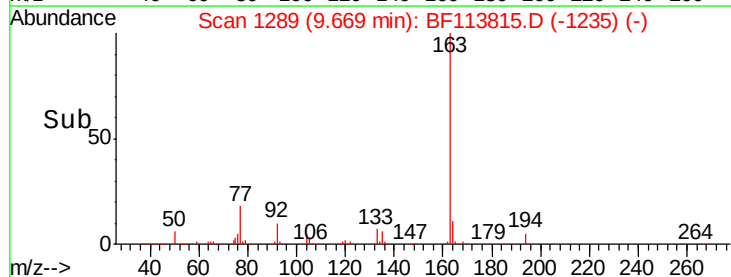
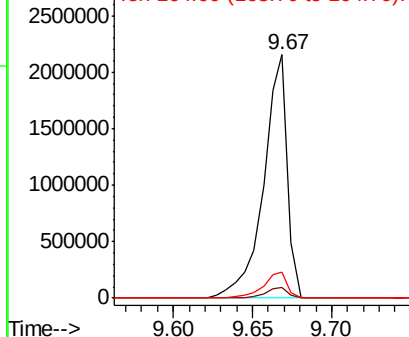
163 100

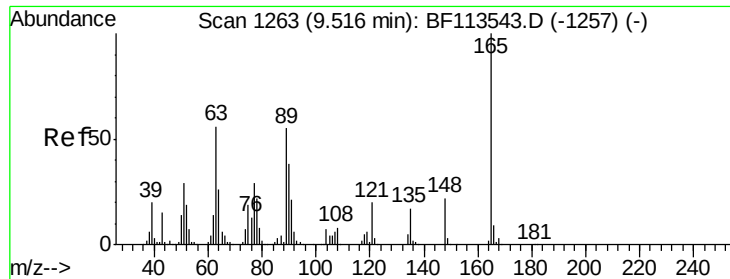
194 4.6 3.4 5.2

164 10.8 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

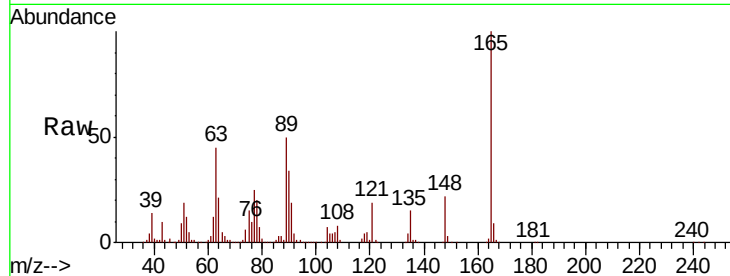




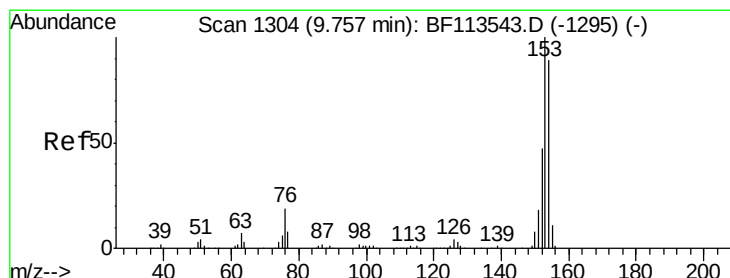
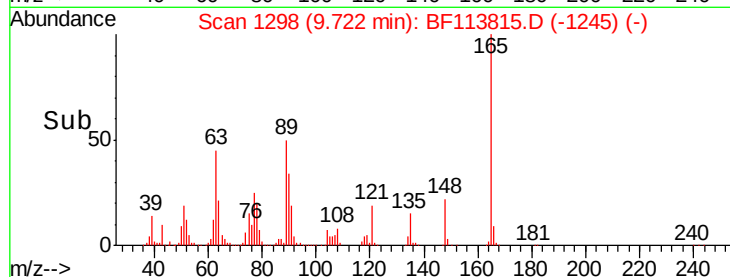
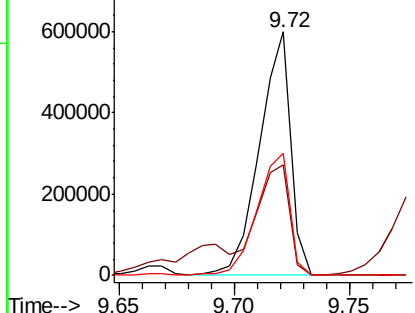
#51  
 2,6-Dinitrotoluene  
 Concen: 95.769 ng  
 RT: 9.72 min Scan# 1298  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:165 Resp: 564728  
 Ion Ratio Lower Upper  
 165 100  
 63 45.2 33.8 50.8  
 89 49.9 38.2 57.2

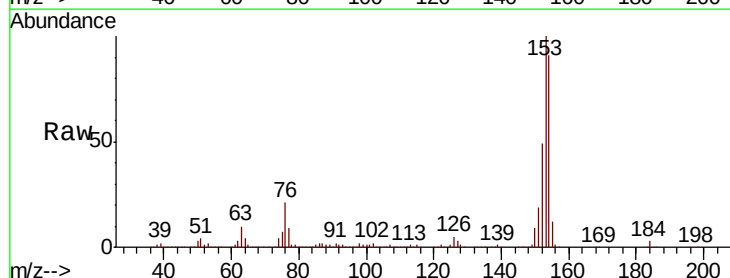


Abundance Ion 165.00 (164.70 to 165.70): E  
 800000 Ion 63.00 (62.70 to 63.70): BF1  
 600000 Ion 89.00 (88.70 to 89.70): BF1  
 400000  
 200000  
 0

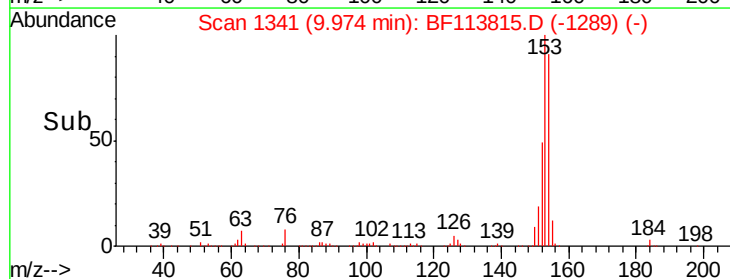
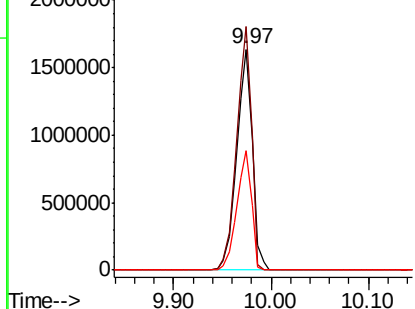


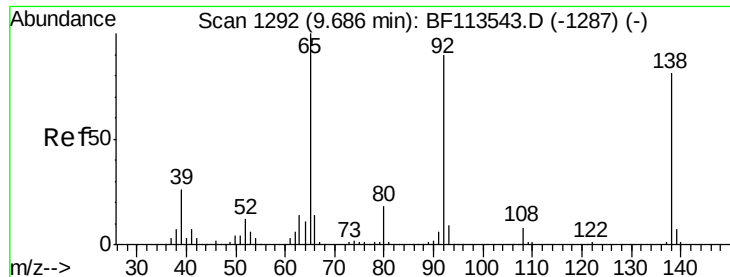
#52  
 Acenaphthene  
 Concen: 85.824 ng  
 RT: 9.97 min Scan# 1341  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Tgt Ion:154 Resp: 1811382  
 Ion Ratio Lower Upper  
 154 100  
 153 110.1 87.2 130.8  
 152 54.1 42.3 63.5



Abundance Ion 154.00 (153.70 to 154.70): E  
 2500000 Ion 153.00 (152.70 to 153.70): E  
 2000000 Ion 152.00 (151.70 to 152.70): E  
 1500000  
 1000000  
 500000  
 0

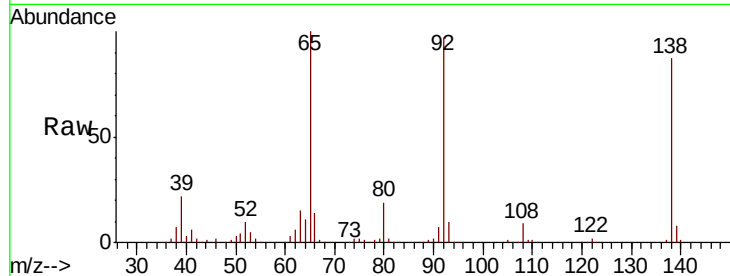




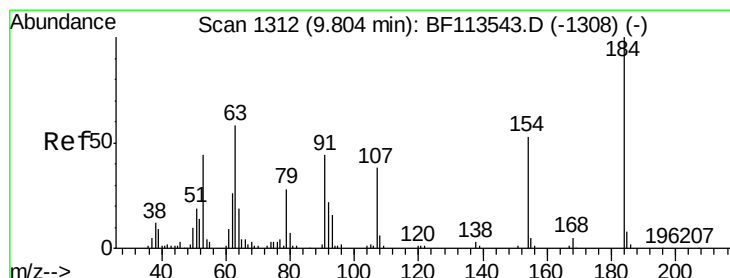
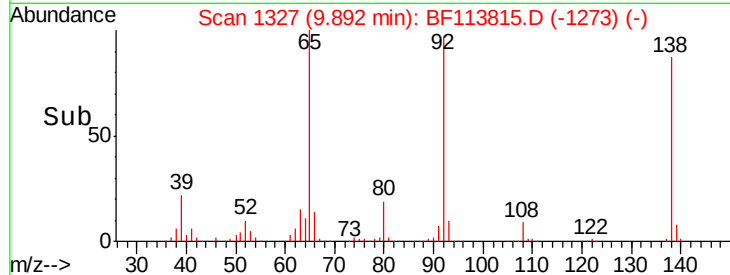
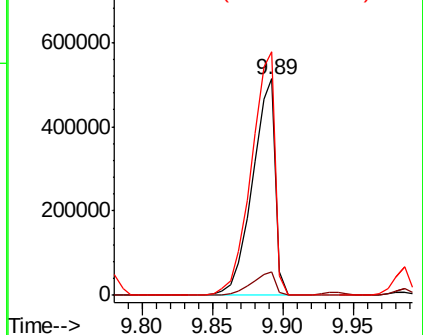
#53  
 3-Nitroaniline  
 Concen: 87.153 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. 0.02 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:138 Resp: 584304  
 Ion Ratio Lower Upper  
 138 100  
 108 10.9 9.4 14.2  
 92 112.4 94.1 141.1

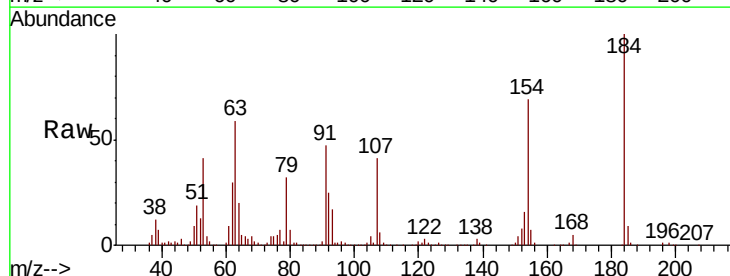


Abundance Ion 138.00 (137.70 to 138.70): E  
 Ion 108.00 (107.70 to 108.70): E  
 Ion 92.00 (91.70 to 92.70): BF1

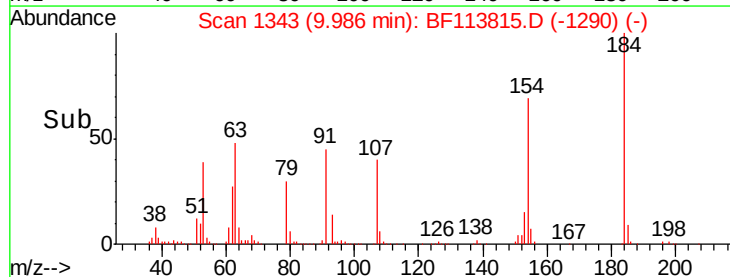
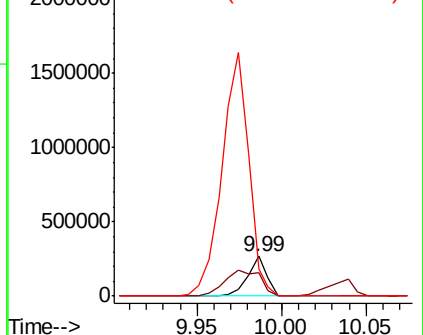


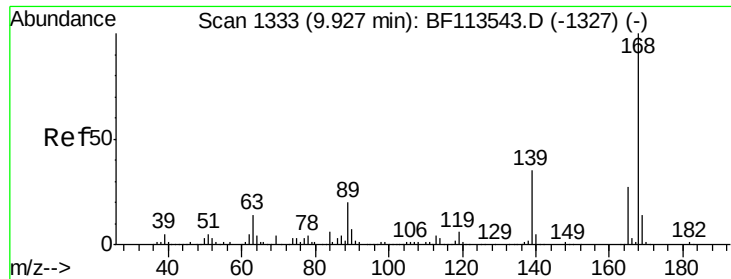
#54  
 2,4-Dinitrophenol  
 Concen: 77.835 ng  
 RT: 9.99 min Scan# 1343  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Tgt Ion:184 Resp: 214730  
 Ion Ratio Lower Upper  
 184 100  
 63 59.4 54.6 81.8  
 154 69.4 218.6 328.0#



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

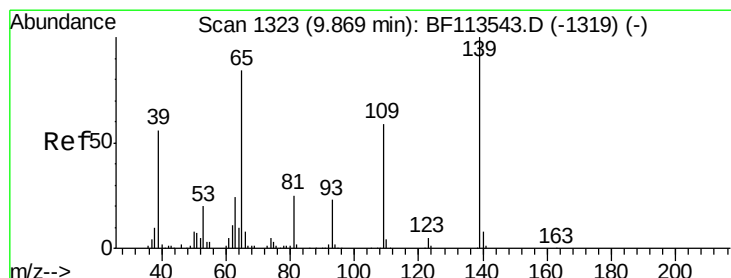
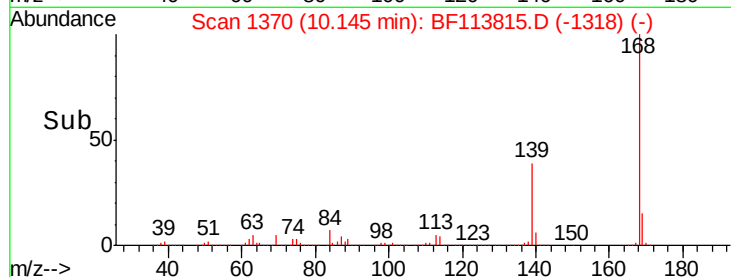
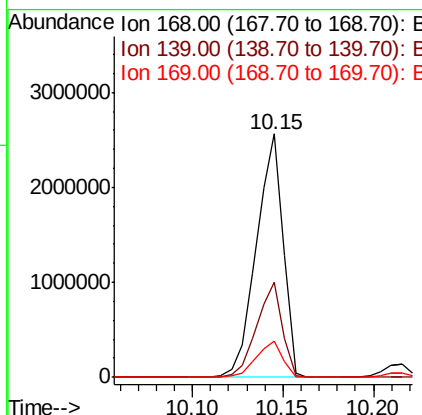
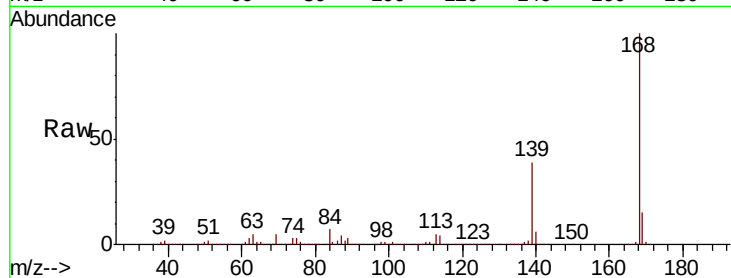




#55  
Dibenzofuran  
Concen: 84.771 ng  
RT: 10.15 min Scan# 1370  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

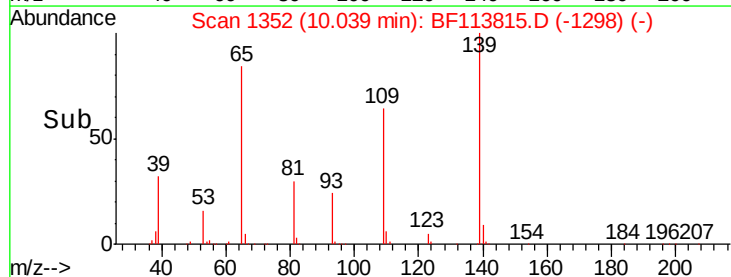
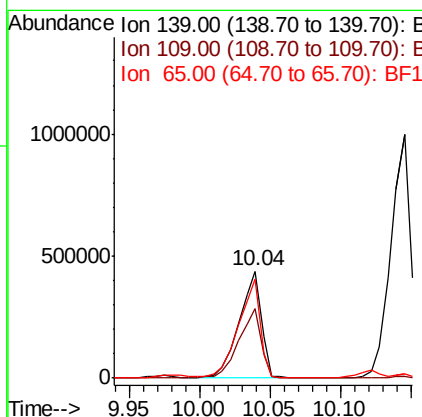
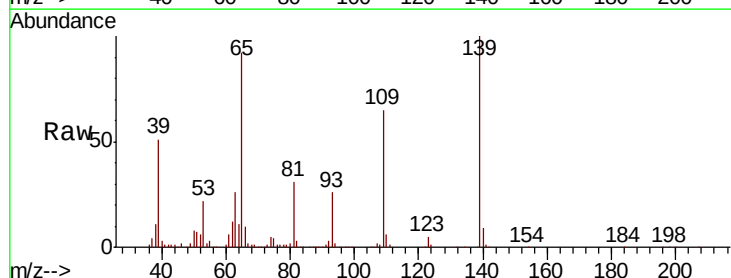
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 2624507  
Ion Ratio Lower Upper  
168 100  
139 38.9 27.8 41.6  
169 14.7 11.0 16.6

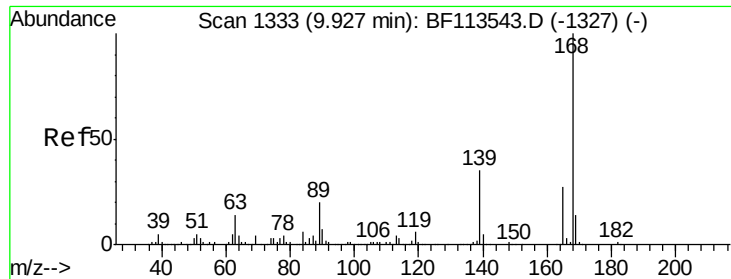


#56  
4-Nitrophenol  
Concen: 116.407 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. 0.02 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion:139 Resp: 484121  
Ion Ratio Lower Upper  
139 100  
109 65.1 42.9 82.9  
65 92.0 64.4 104.4



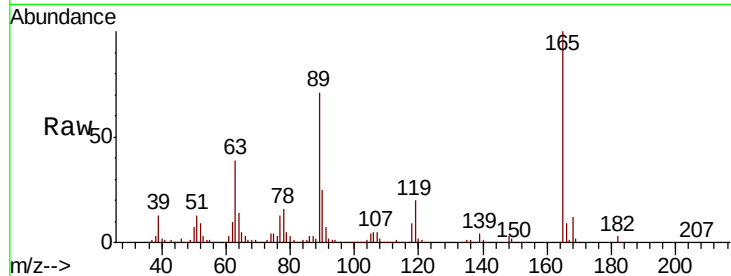




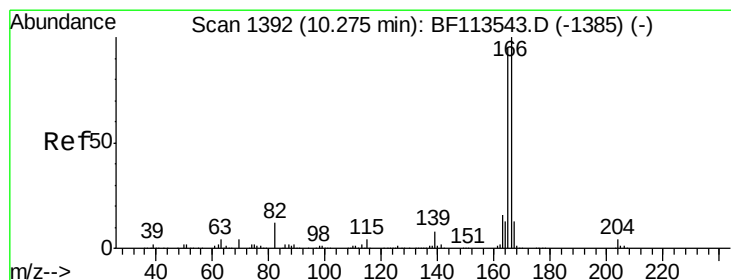
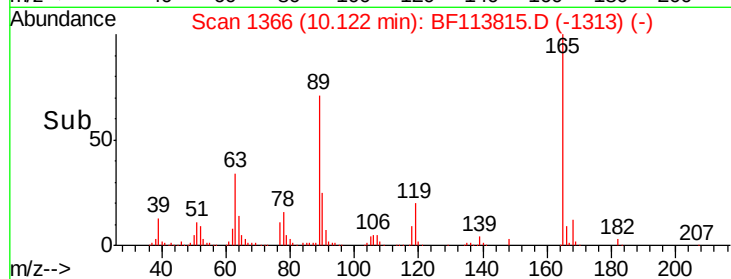
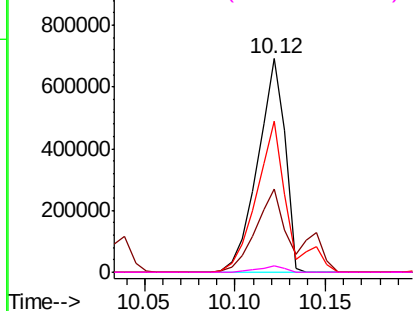
#57  
 2,4-Dinitrotoluene  
 Concen: 101.693 ng  
 RT: 10.12 min Scan# 1366  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Instrument :  
 BNA\_F  
 ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 165   | Resp: | 725250 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 39.3  | 27.4  | 41.0   |
| 89       | 70.7  | 51.8  | 77.6   |
| 182      | 2.7   | 2.2   | 3.2    |

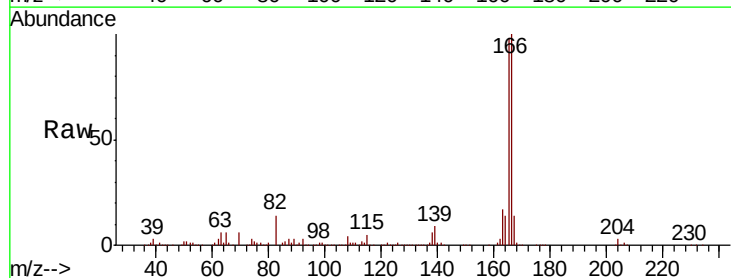


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

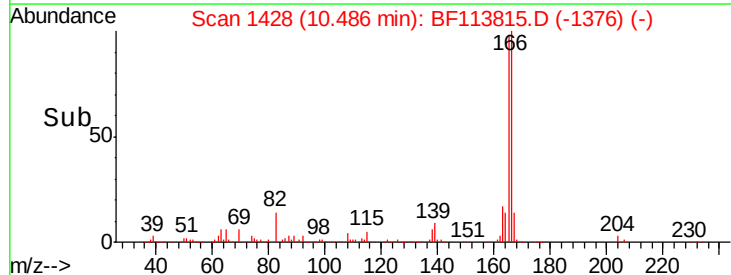
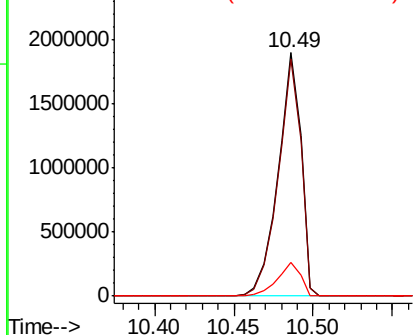


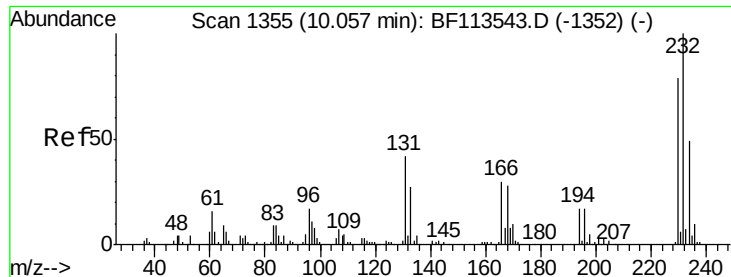
#58  
 Fluorene  
 Concen: 77.501 ng  
 RT: 10.49 min Scan# 1428  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 166   | Resp: | 1897762 |
| Ion      | Ratio | Lower | Upper   |
| 166      | 100   |       |         |
| 165      | 97.7  | 78.4  | 117.6   |
| 167      | 14.1  | 10.9  | 16.3    |



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

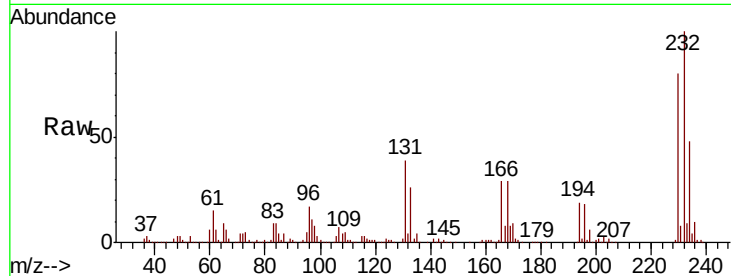




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 91.380 ng  
 RT: 10.26 min Scan# 1389  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 38.5  | 30.2  | 45.2  |
| 130     | 2.0   | 1.5   | 2.3   |
| 166     | 28.2  | 22.2  | 33.4  |



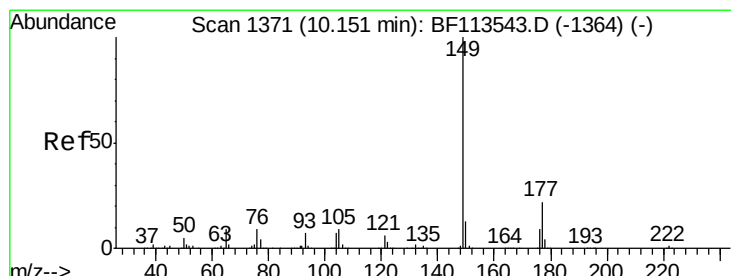
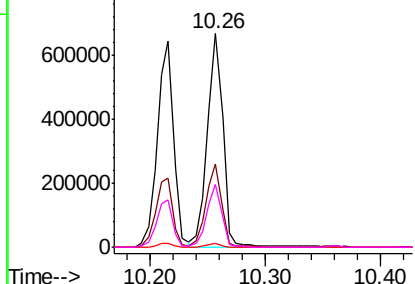
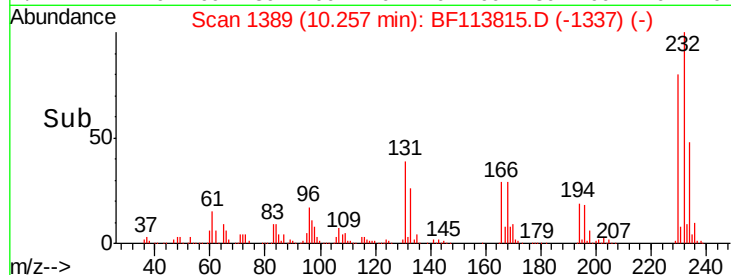
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

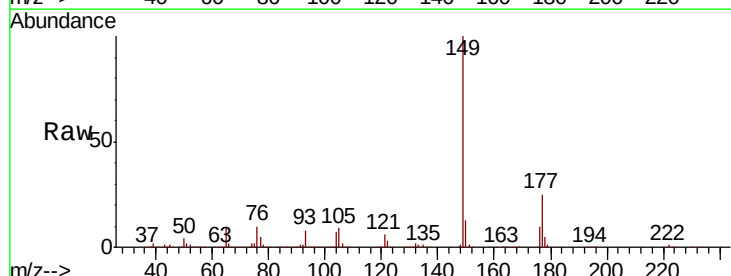
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 83.427 ng  
 RT: 10.36 min Scan# 1407  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 25.5  | 19.2  | 28.8  |
| 150     | 13.3  | 10.3  | 15.5  |

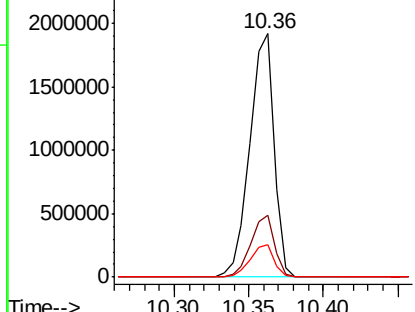
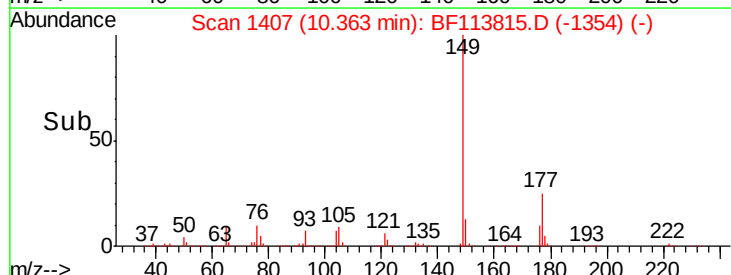


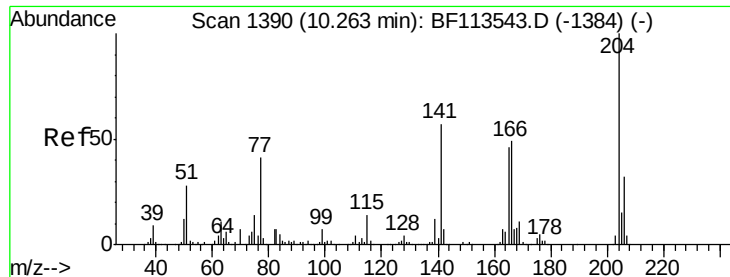
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

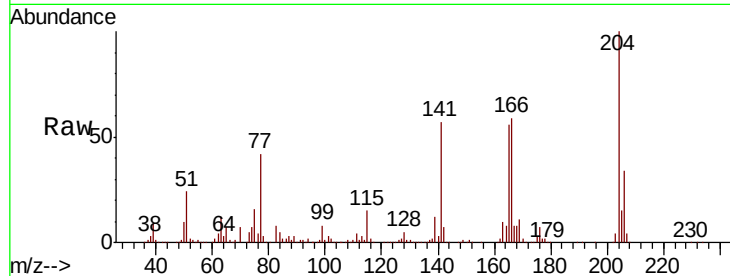




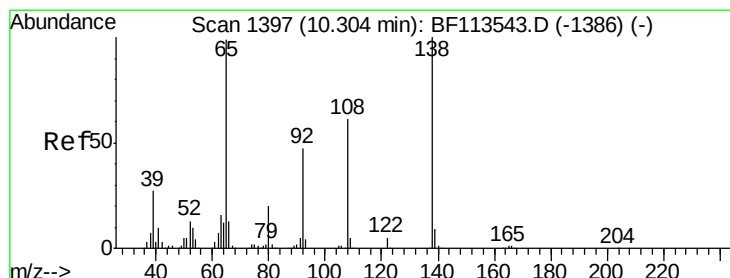
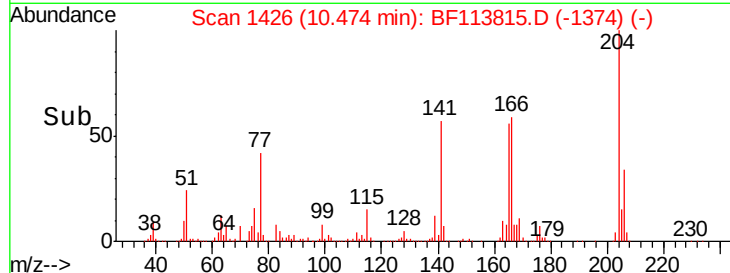
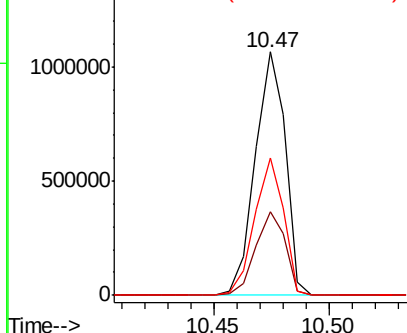
#61  
 4-Chlorophenyl-phenylether  
 Concen: 80.763 ng  
 RT: 10.47 min Scan# 1426  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:204 Resp: 972733  
 Ion Ratio Lower Upper  
 204 100  
 206 34.4 27.4 41.2  
 141 56.6 42.6 63.8

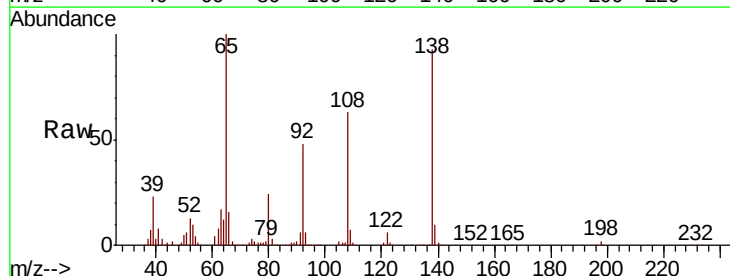


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

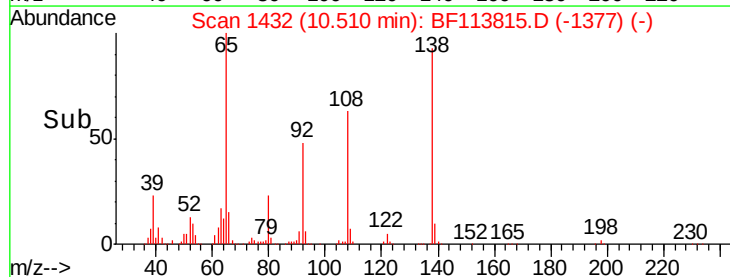
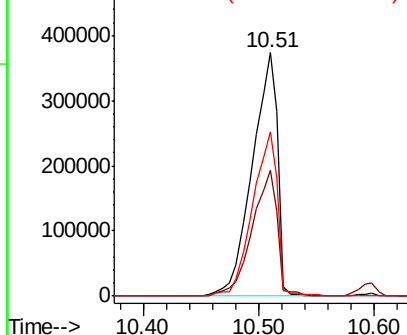


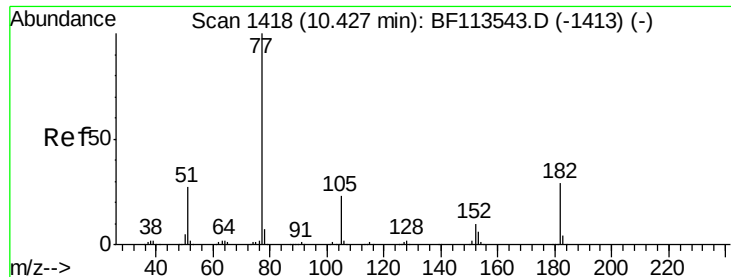
#62  
 4-Nitroaniline  
 Concen: 83.772 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. 0.02 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Tgt Ion:138 Resp: 571119  
 Ion Ratio Lower Upper  
 138 100  
 92 51.6 31.3 71.3  
 108 67.5 48.9 88.9



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





#63

Azobenzene

Concen: 87.861 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 2145674

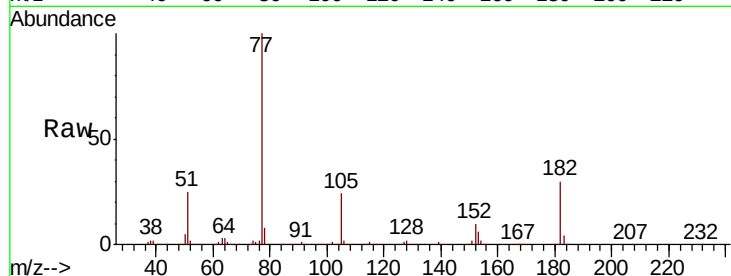
Ion Ratio Lower Upper

77 100

182 29.9 4.4 44.4

105 24.5 2.2 42.2

51 24.9 3.9 43.9

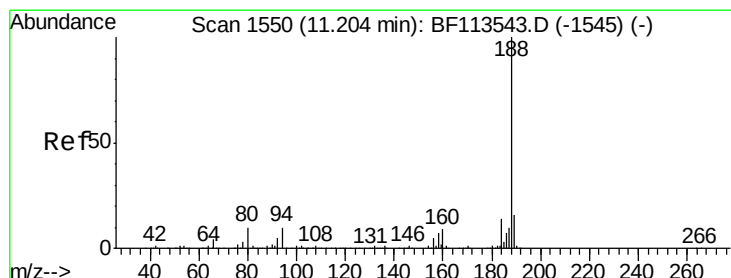
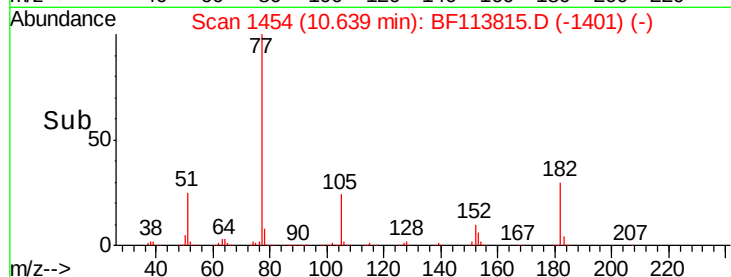
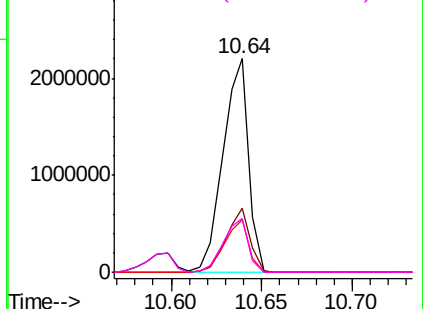


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

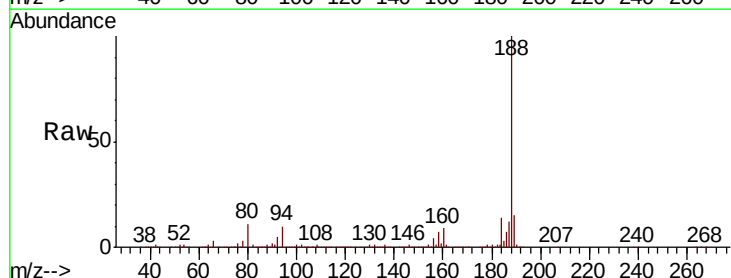
Tgt Ion: 188 Resp: 688744

Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.4

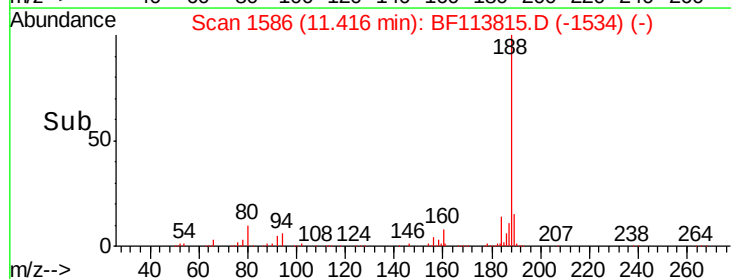
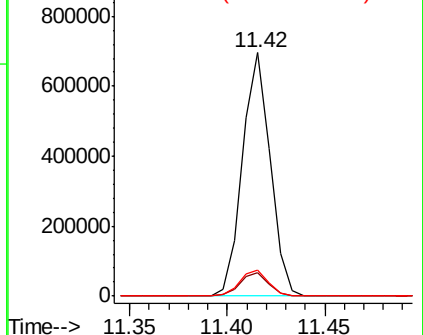
80 10.6 9.0 13.6

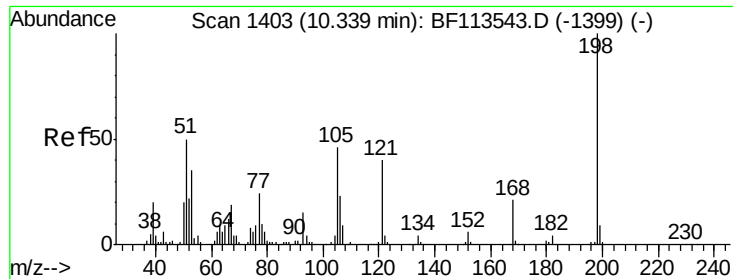


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

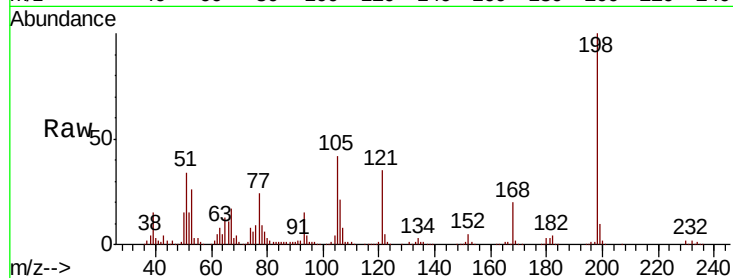




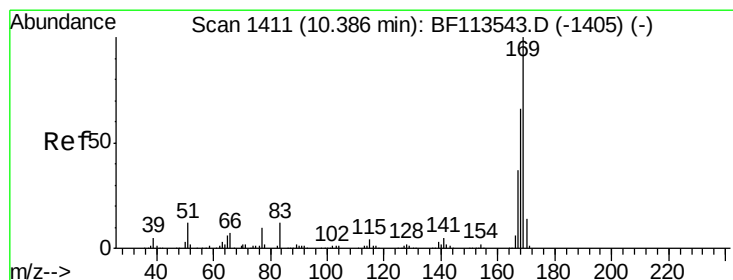
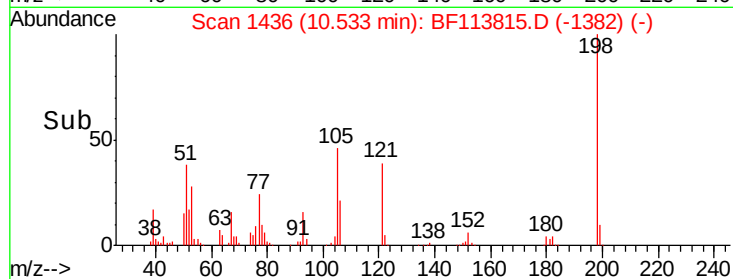
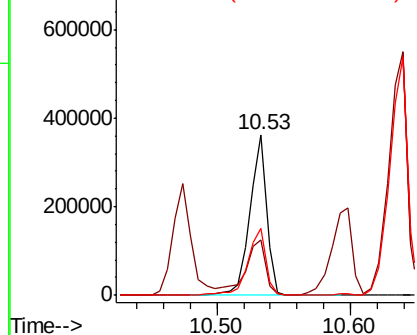
#65  
4,6-Dinitro-2-methylphenol  
Concen: 85.954 ng  
RT: 10.53 min Scan# 1436  
Delta R.T. 0.02 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:198 Resp: 311663  
Ion Ratio Lower Upper  
198 100  
51 34.3 11.1 51.1  
105 41.9 20.7 60.7

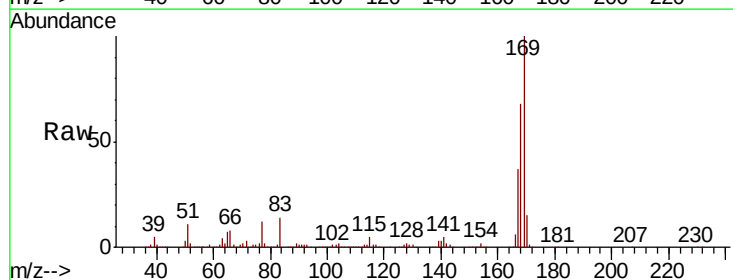


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

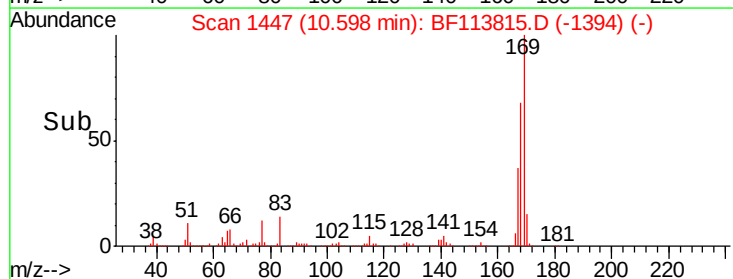
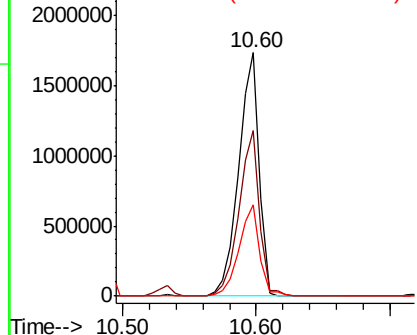


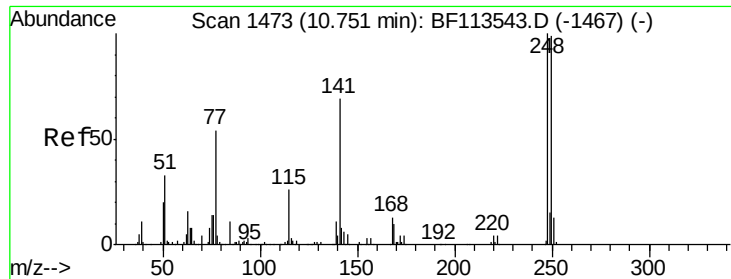
#66  
n-Nitrosodiphenylamine  
Concen: 87.457 ng  
RT: 10.60 min Scan# 1447  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion:169 Resp: 1849204  
Ion Ratio Lower Upper  
169 100  
168 68.1 54.3 81.5  
167 37.3 29.4 44.0



Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

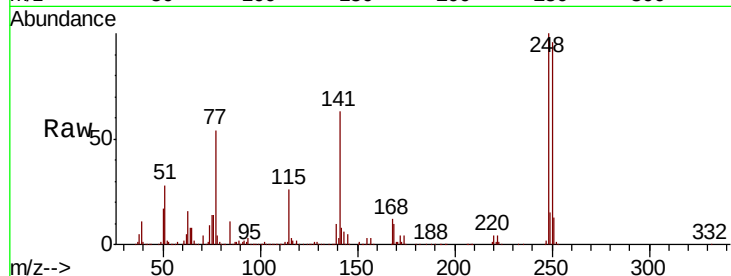




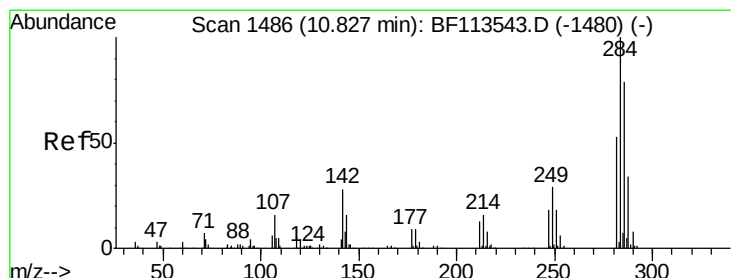
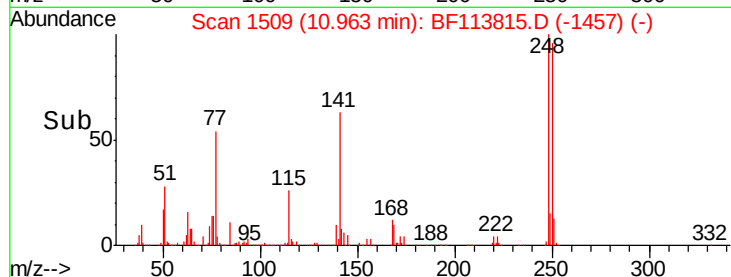
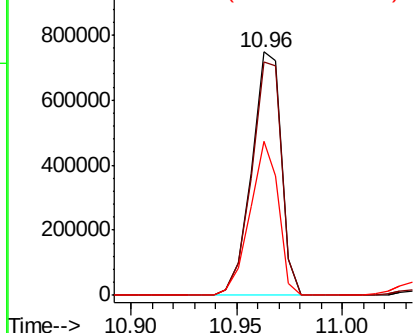
#67  
4-Bromophenyl-phenylether  
Concen: 94.870 ng  
RT: 10.96 min Scan# 1509  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 732829  
Ion Ratio Lower Upper  
248 100  
250 96.0 75.8 113.6  
141 63.1 50.2 75.4

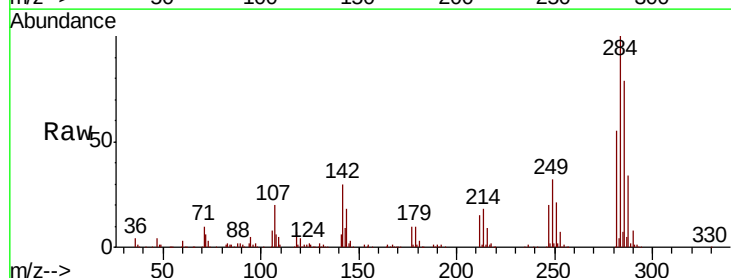


Abundance Ion 248.00 (247.70 to 248.70): E  
1000000 Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

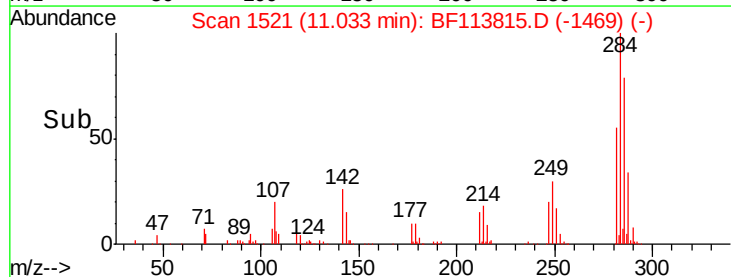
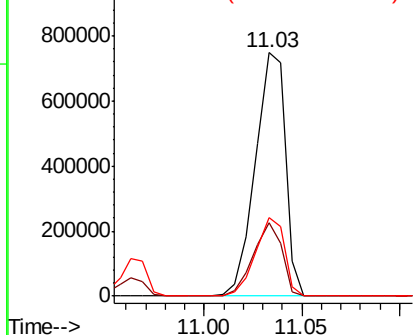


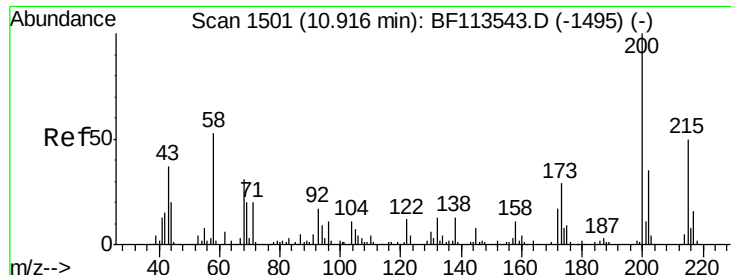
#68  
Hexachlorobenzene  
Concen: 90.559 ng  
RT: 11.03 min Scan# 1521  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion:284 Resp: 801535  
Ion Ratio Lower Upper  
284 100  
142 30.3 23.0 34.4  
249 32.5 24.4 36.6



Abundance Ion 283.80 (283.50 to 284.50): E  
1000000 Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

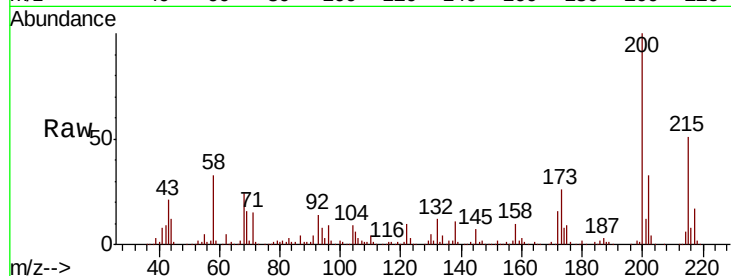




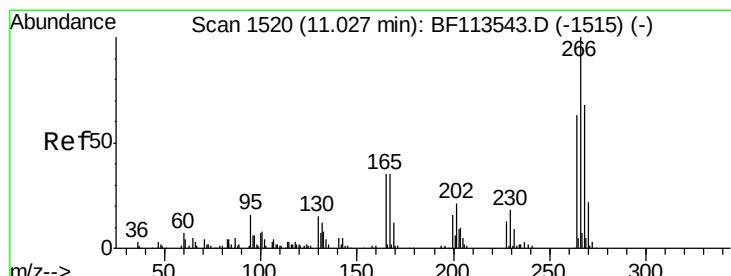
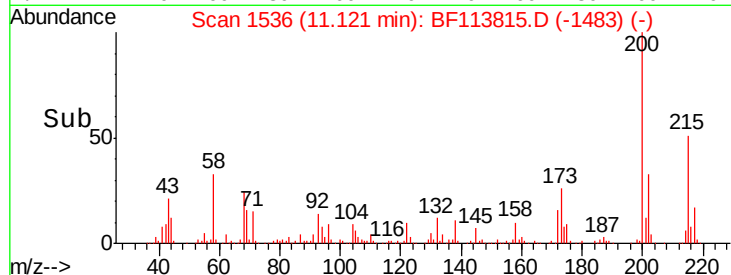
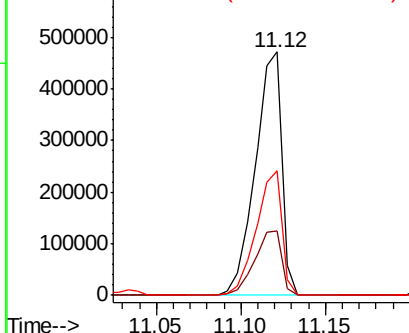
#69  
 Atrazine  
 Concen: 77.106 ng  
 RT: 11.12 min Scan# 1536  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:200 Resp: 513871  
 Ion Ratio Lower Upper  
 200 100  
 173 26.3 5.9 45.9  
 215 51.2 29.3 69.3

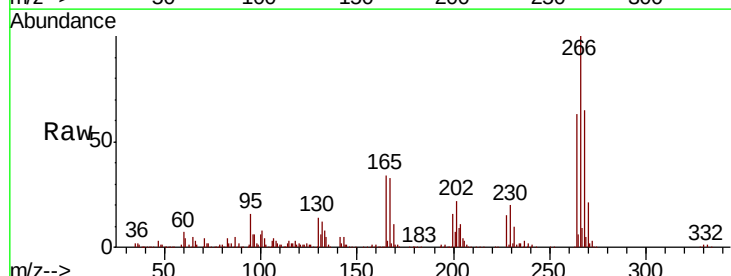


Abundance Ion 200.00 (199.70 to 200.70): E  
 Ion 173.00 (172.70 to 173.70): E  
 Ion 215.00 (214.70 to 215.70): E

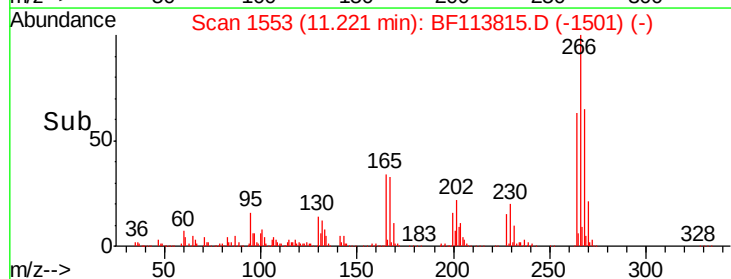
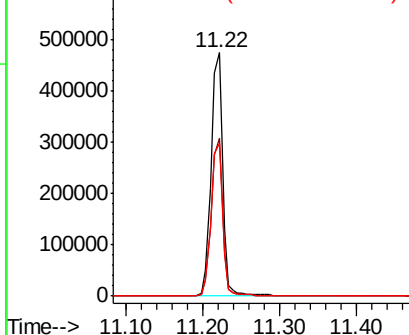


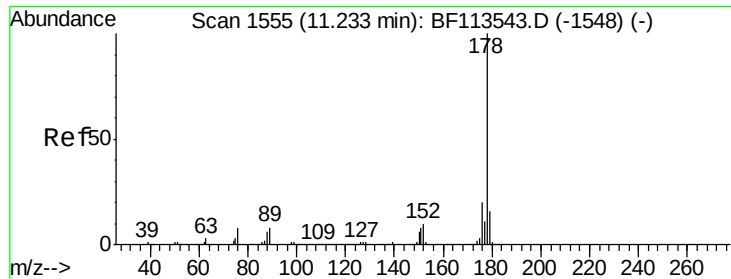
#70  
 Pentachlorophenol  
 Concen: 117.297 ng  
 RT: 11.22 min Scan# 1553  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Tgt Ion:266 Resp: 489205  
 Ion Ratio Lower Upper  
 266 100  
 268 65.0 53.5 80.3  
 264 62.7 51.0 76.6



Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 86.736 ng

RT: 11.44 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampleId :

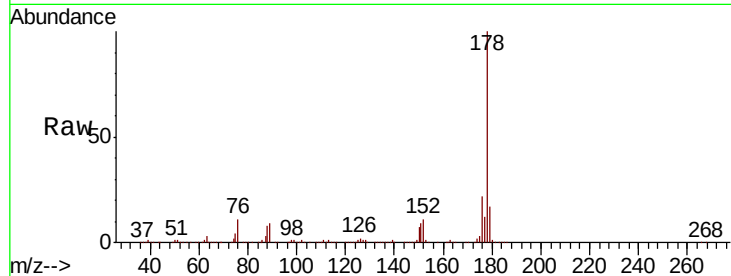
Tot Ion:178 Resp: 2968479

Ion Ratio Lower Upper

178 100

176 21.5 16.1 24.1

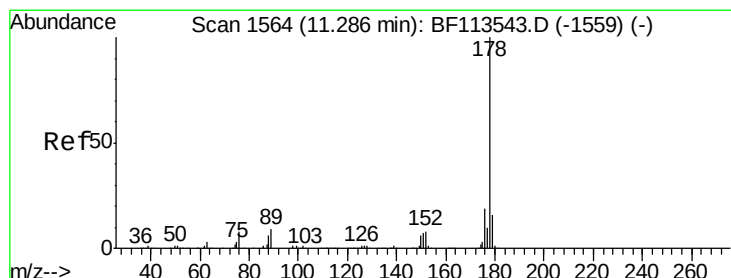
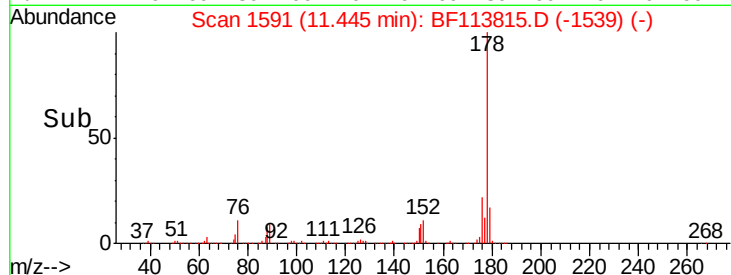
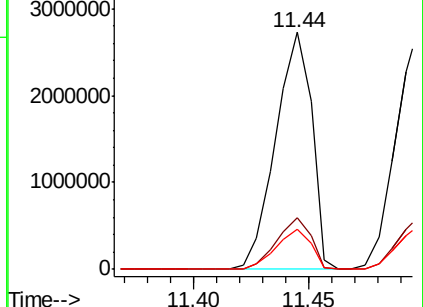
179 17.1 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 84.601 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

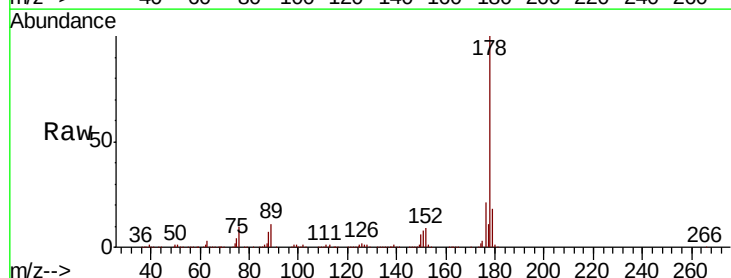
Tgt Ion:178 Resp: 2945835

Ion Ratio Lower Upper

178 100

176 21.4 15.7 23.5

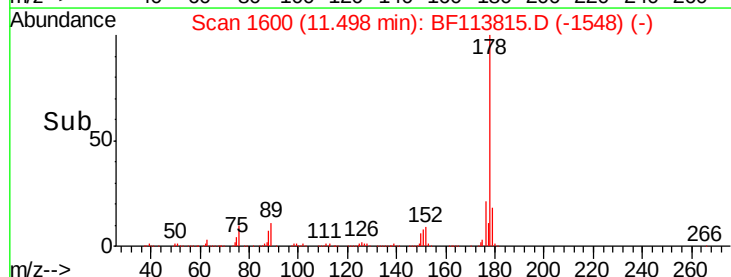
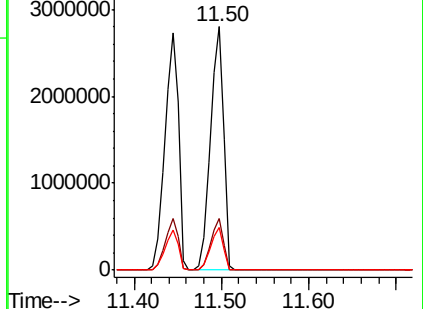
179 17.5 13.0 19.4



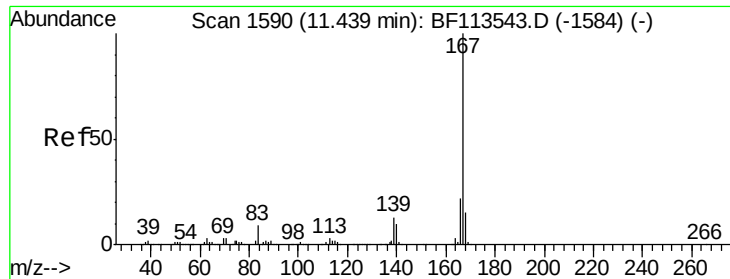
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





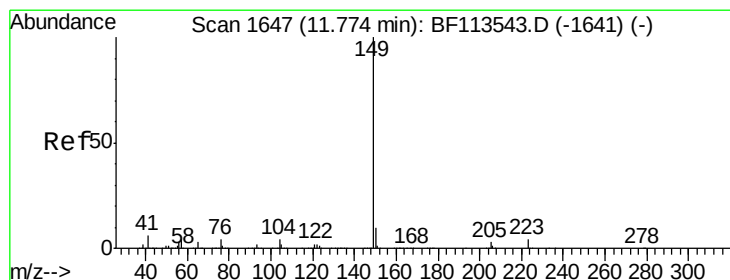
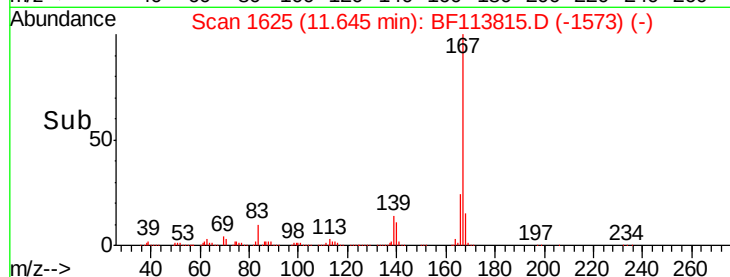
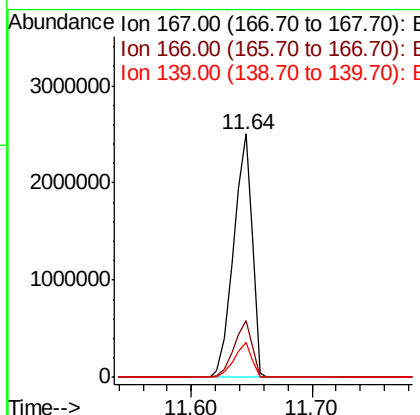
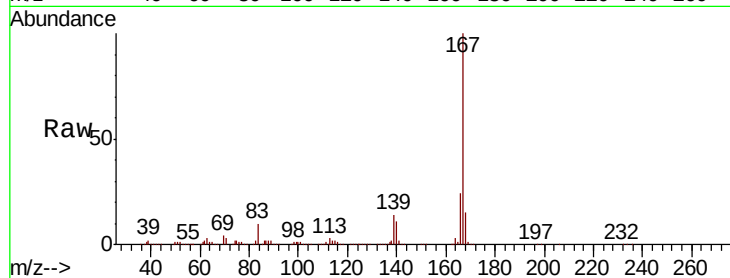


#73  
 Carbazole  
 Concen: 82.525 ng  
 RT: 11.64 min Scan# 1625  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:167 Resp: 2687606  

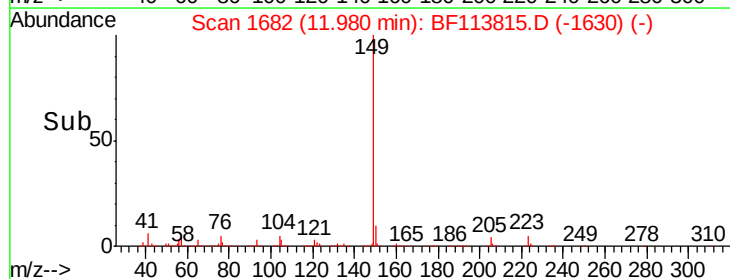
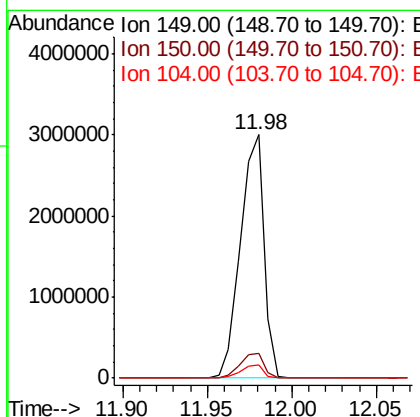
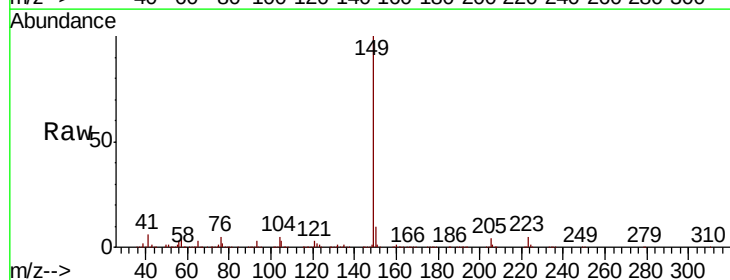
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 23.6  | 17.7  | 26.5  |
| 139 | 14.2  | 10.0  | 15.0  |

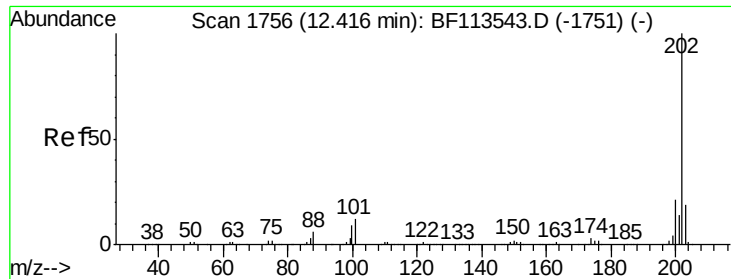


#74  
 Di-n-butylphthalate  
 Concen: 75.345 ng  
 RT: 11.98 min Scan# 1682  
 Delta R.T. 0.01 min  
 Lab File: BF113815.D  
 Acq: 18 Apr 2019 10:58

Tgt Ion:149 Resp: 2918976  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 10.4  | 7.8   | 11.8  |
| 104 | 5.5   | 3.8   | 5.8   |

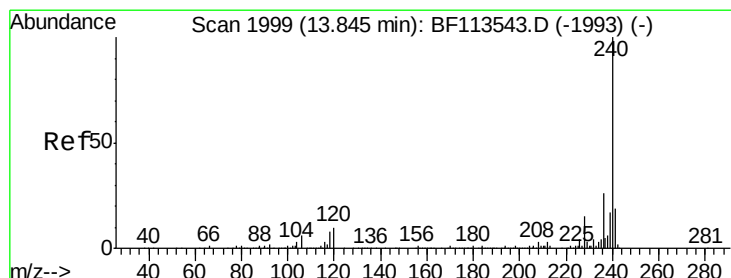
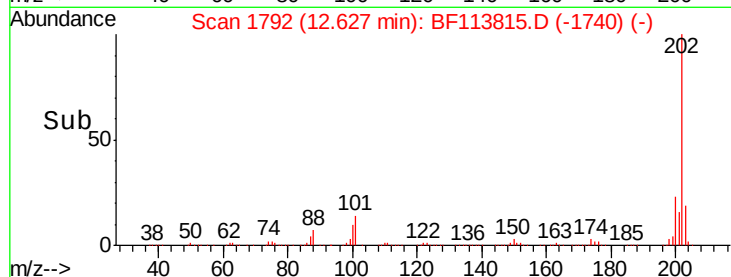
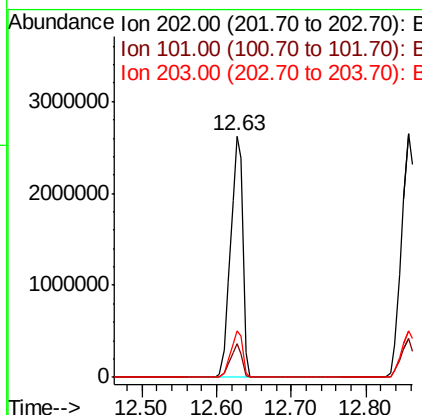
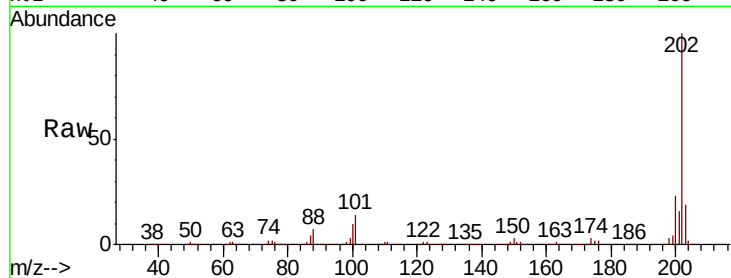




#75  
Fluoranthene  
Concen: 83.071 ng  
RT: 12.63 min Scan# 1792  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

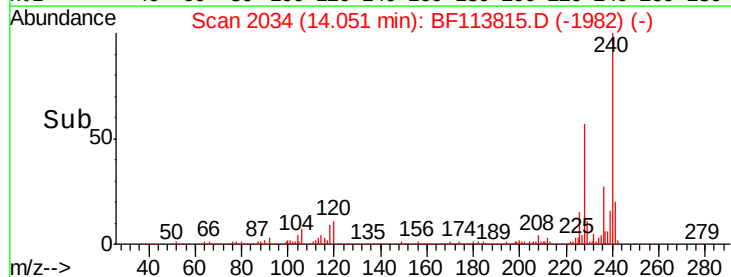
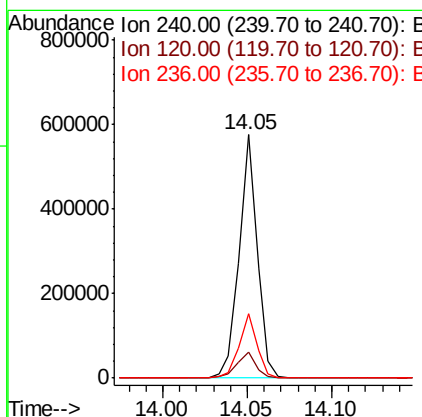
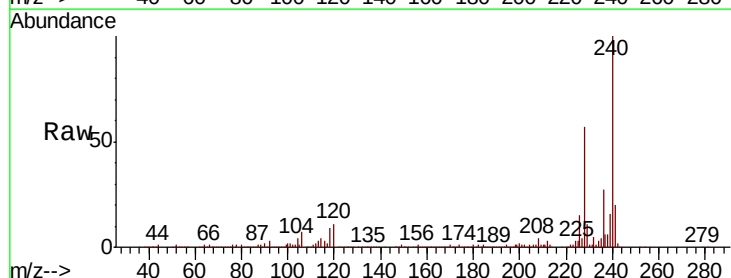
Instrument :  
BNA\_F  
ClientSampleId :

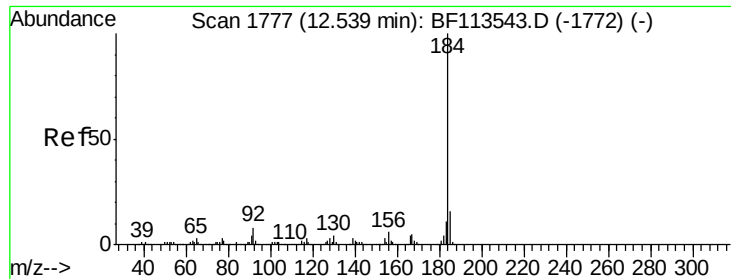
Tot Ion:202 Resp: 3046540  
Ion Ratio Lower Upper  
202 100  
101 13.8 0.0 32.9  
203 19.4 0.0 38.2



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion:240 Resp: 429078  
Ion Ratio Lower Upper  
240 100  
120 10.5 9.3 13.9  
236 26.7 21.2 31.8





#77

Benzidine

Concen: 2.910 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.27 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampled :

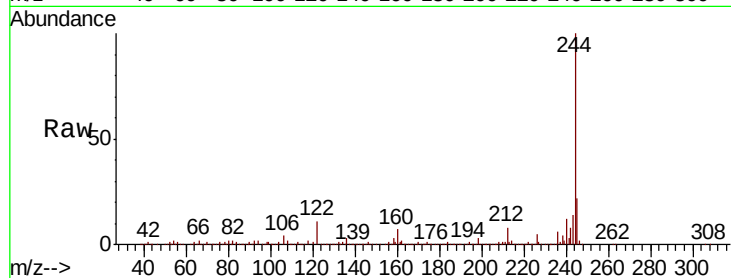
Tot Ion:184 Resp: 46434

Ion Ratio Lower Upper

184 100

185 18.0 13.0 19.6

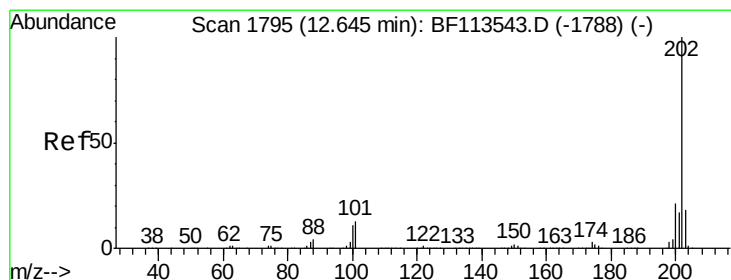
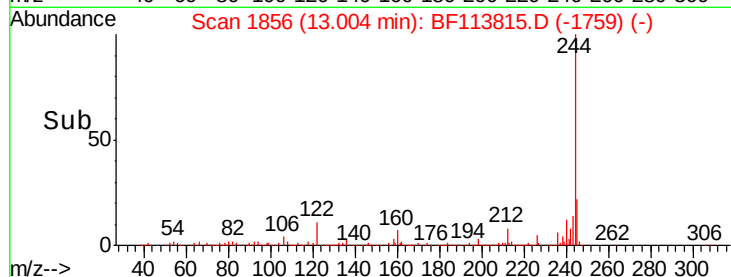
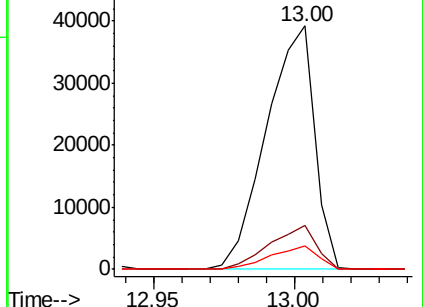
183 9.5 9.4 14.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 93.416 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

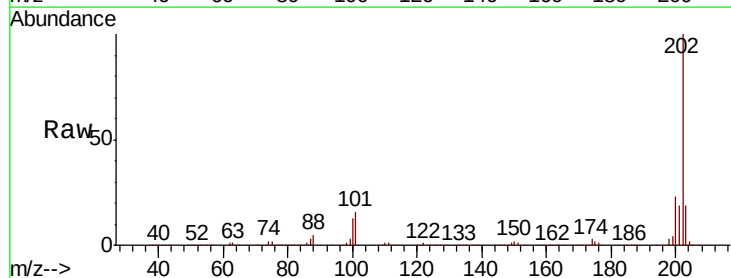
Tgt Ion:202 Resp: 3049848

Ion Ratio Lower Upper

202 100

200 23.3 17.7 26.5

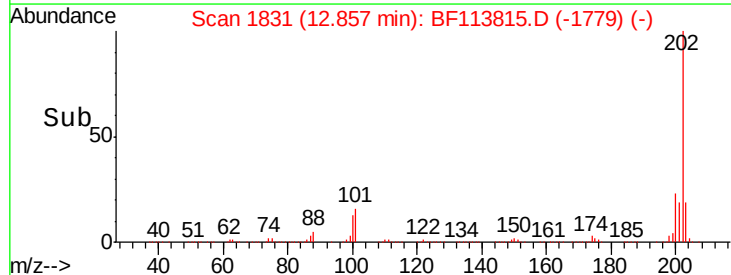
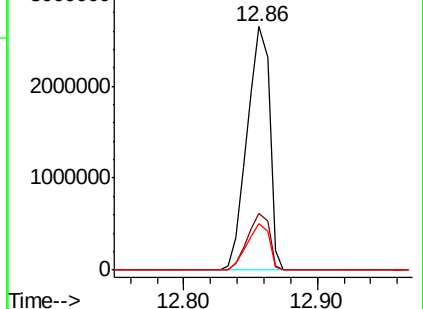
203 19.3 15.0 22.6

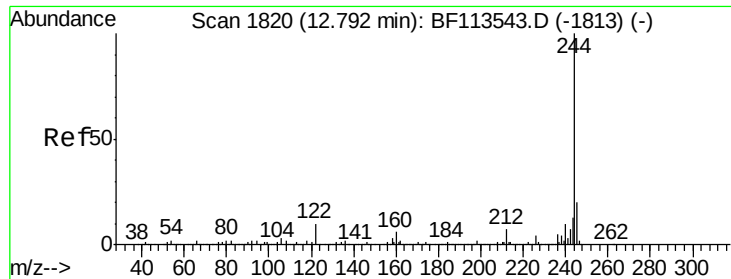


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 176.185 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampleId :

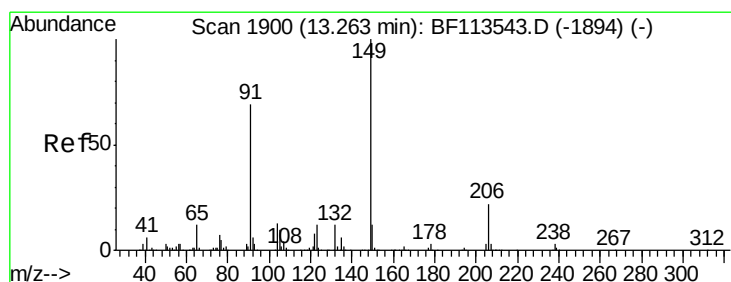
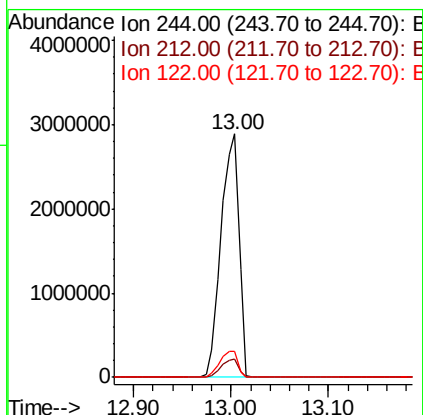
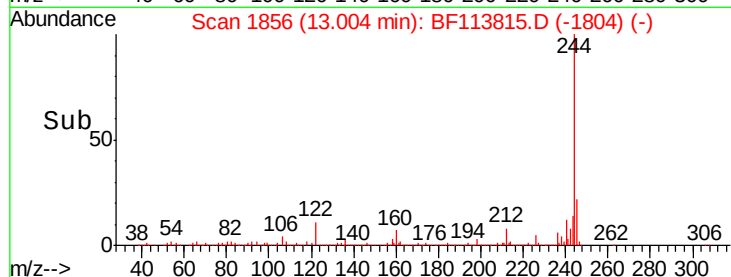
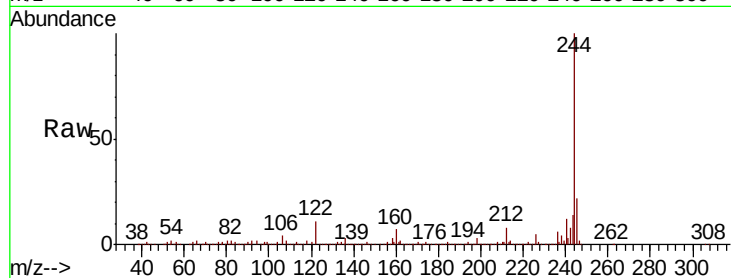
Tot Ion:244 Resp: 3713001

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.2

122 10.8 7.6 11.4



#80

Butylbenzylphthalate

Concen: 87.574 ng

RT: 13.47 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

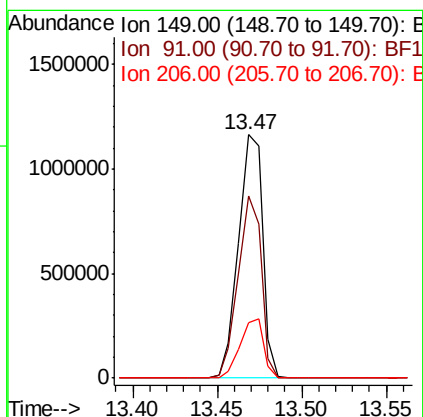
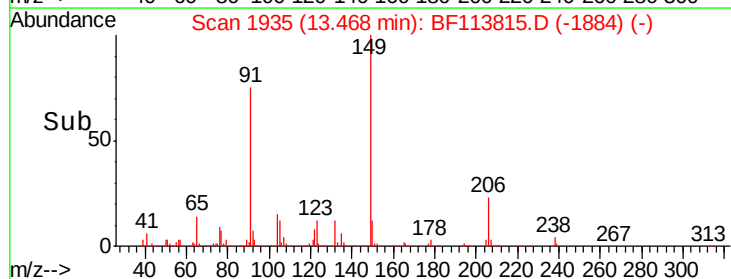
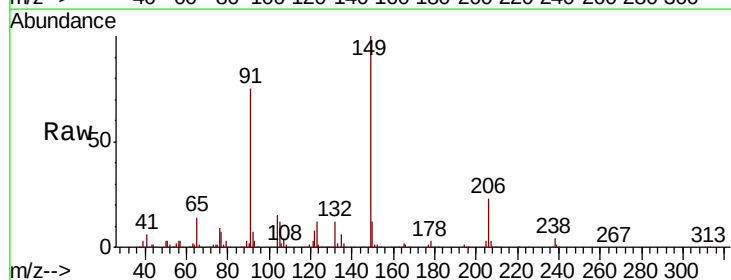
Tgt Ion:149 Resp: 1163830

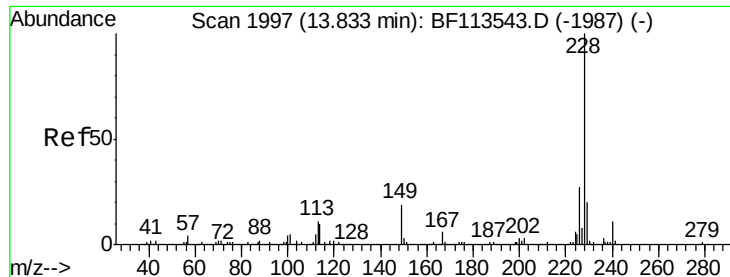
Ion Ratio Lower Upper

149 100

91 74.6 56.3 84.5

206 22.9 19.0 28.6





#81

Benzo(a)anthracene

Concen: 91.582 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampleId :

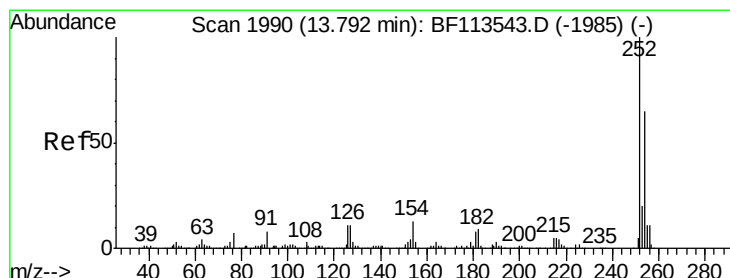
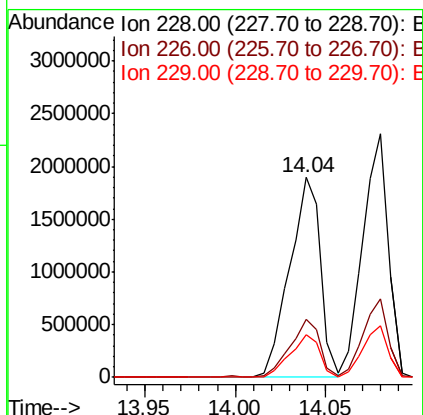
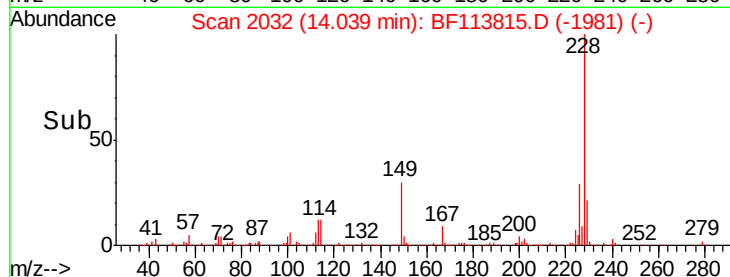
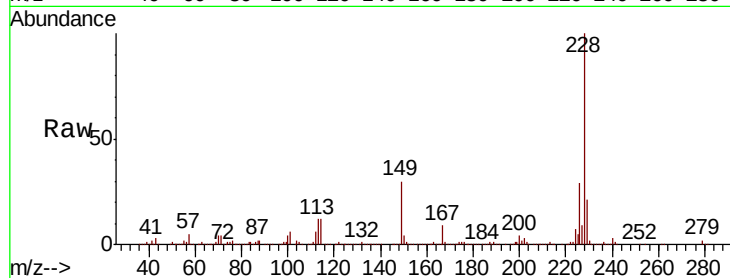
Tot Ion:228 Resp: 2266798

Ion Ratio Lower Upper

228 100

226 28.8 22.2 33.2

229 21.1 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 76.266 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

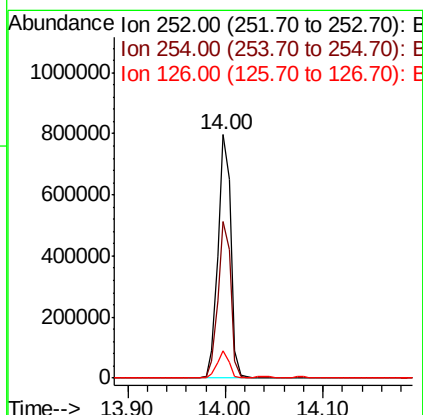
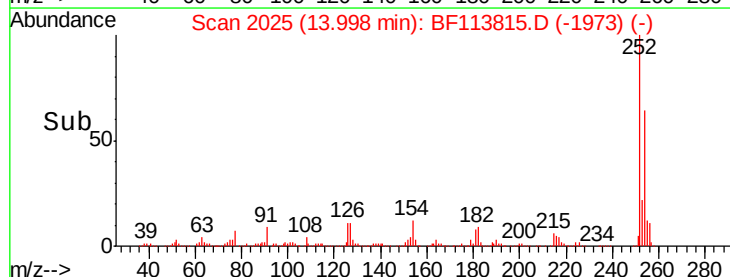
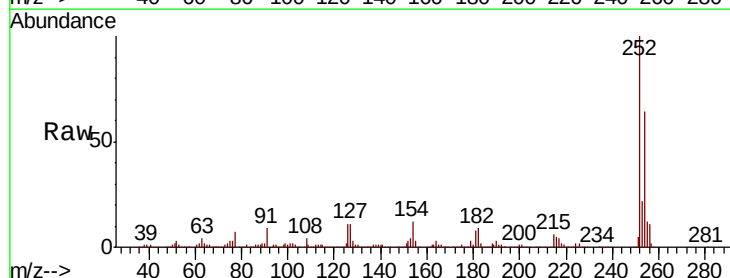
Tgt Ion:252 Resp: 727083

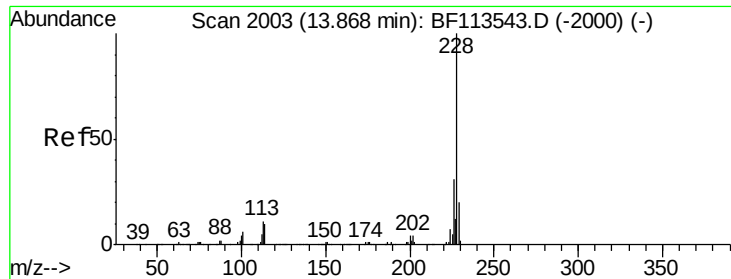
Ion Ratio Lower Upper

252 100

254 64.1 52.1 78.1

126 11.1 9.3 13.9





#83

Chrysene

Concen: 90.528 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

Instrument :

BNA\_F

ClientSampleId :

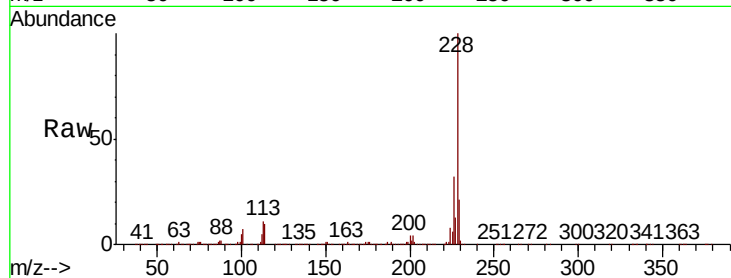
Tot Ion:228 Resp: 2271454

Ion Ratio Lower Upper

228 100

226 32.3 25.2 37.8

229 21.3 16.7 25.1

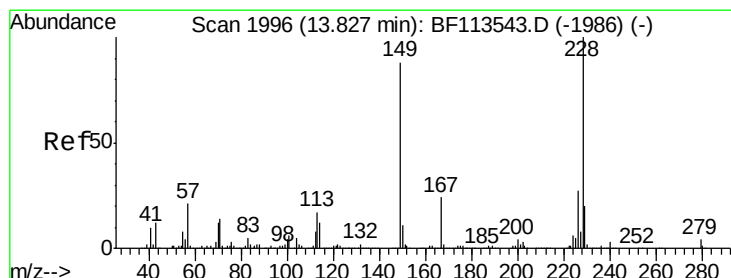
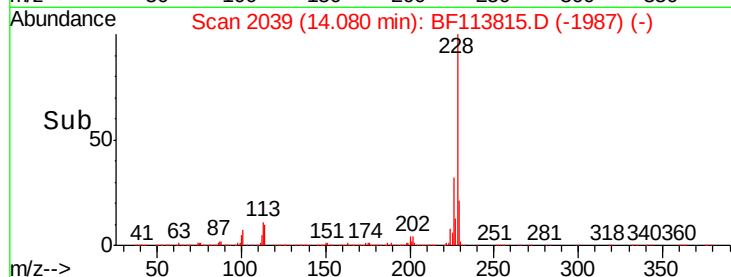
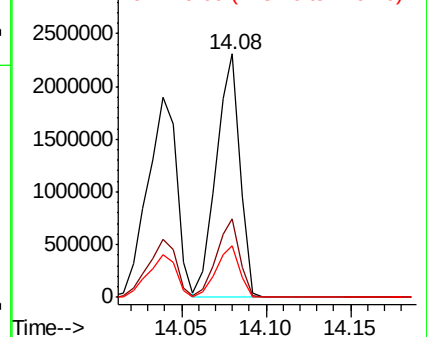


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 78.339 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF113815.D

Acq: 18 Apr 2019 10:58

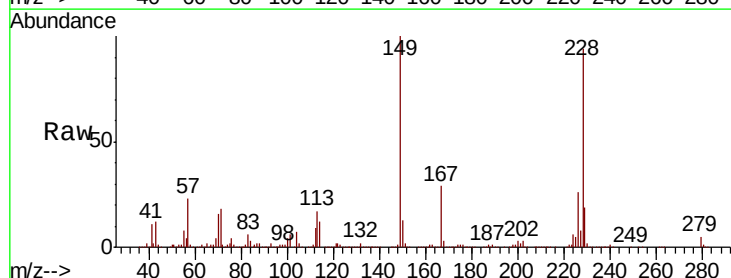
Tgt Ion:149 Resp: 1258754

Ion Ratio Lower Upper

149 100

167 28.8 22.9 34.3

279 5.0 4.2 6.2

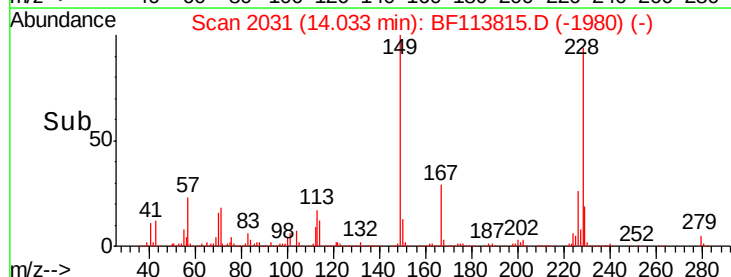
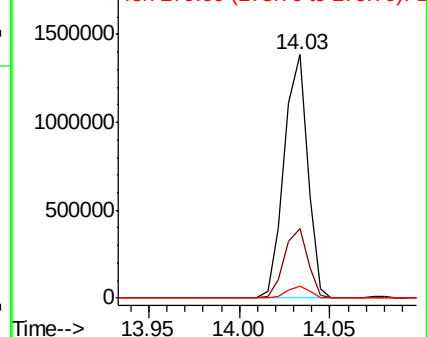


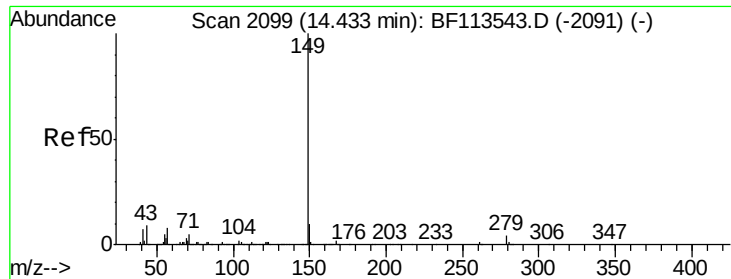
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

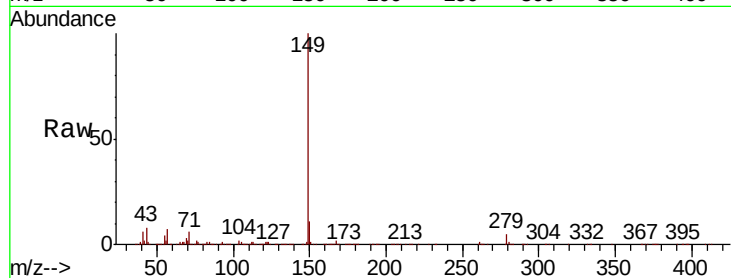




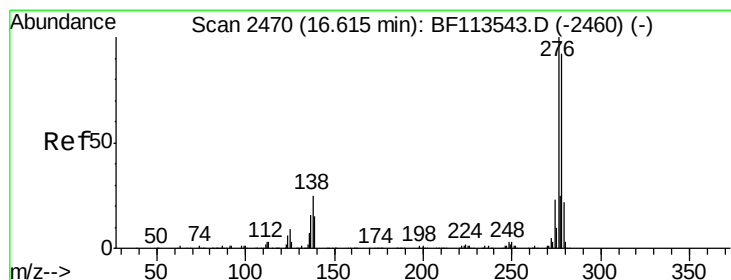
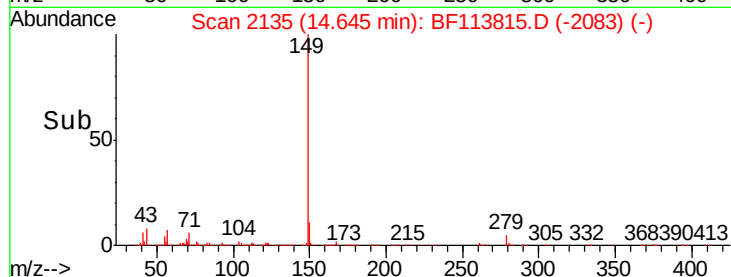
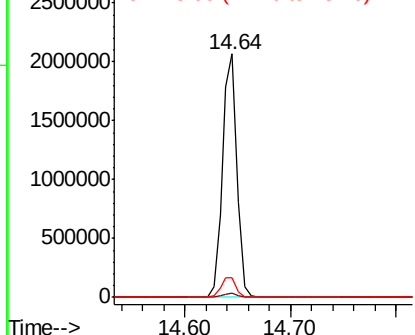
#85  
Di-n-octyl phthalate  
Concen: 75.635 ng  
RT: 14.64 min Scan# 2135  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:149 Resp: 1975460  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.3 1.9  
43 8.8 6.6 10.0

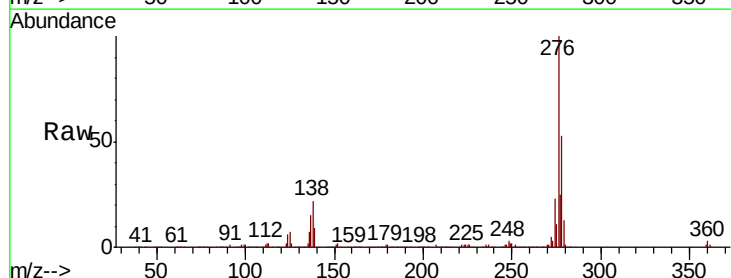


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

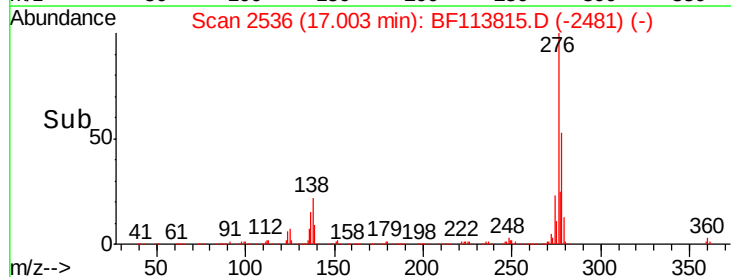
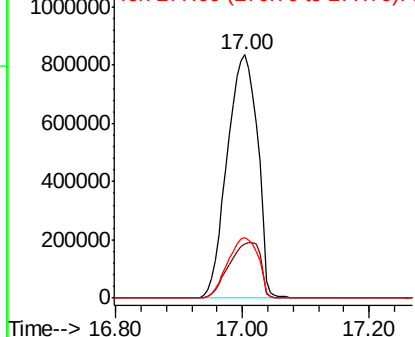


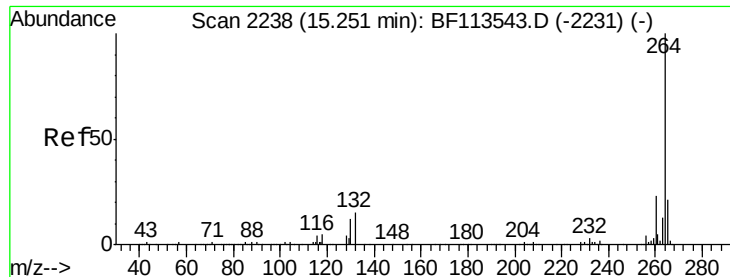
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 118.773 ng  
RT: 17.00 min Scan# 2536  
Delta R.T. 0.02 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion:276 Resp: 2751522  
Ion Ratio Lower Upper  
276 100  
138 23.9 19.6 29.4  
277 25.4 20.2 30.4



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

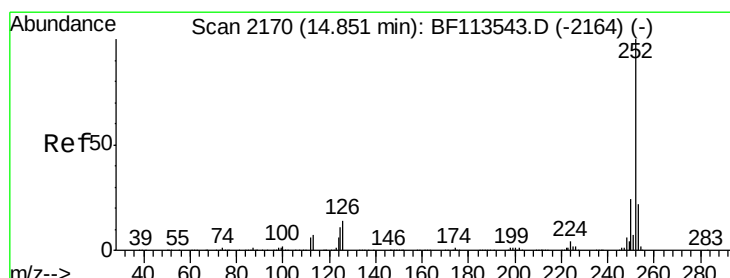
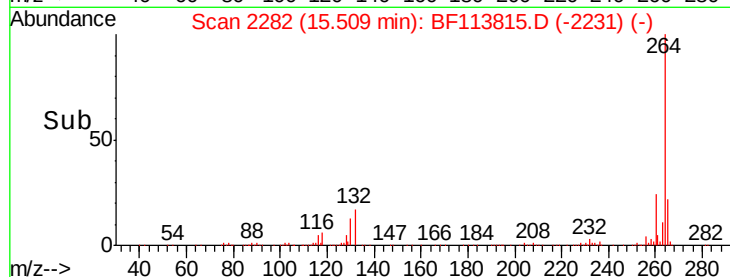
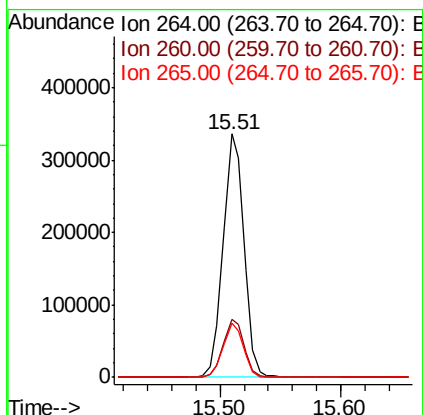
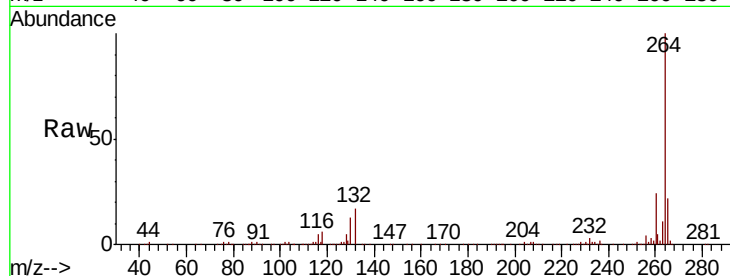




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.51 min Scan# 2282  
Delta R.T. -0.00 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

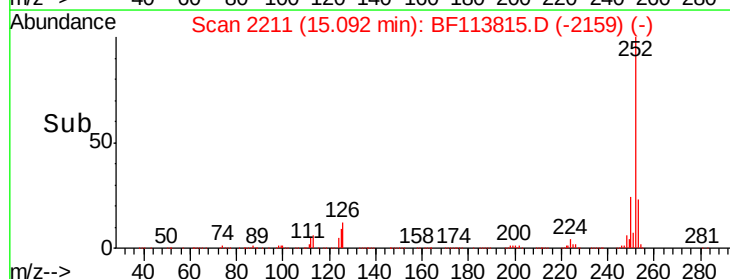
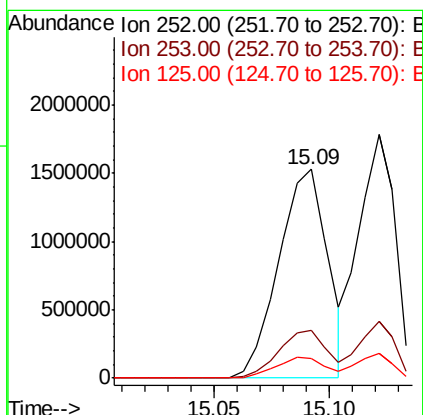
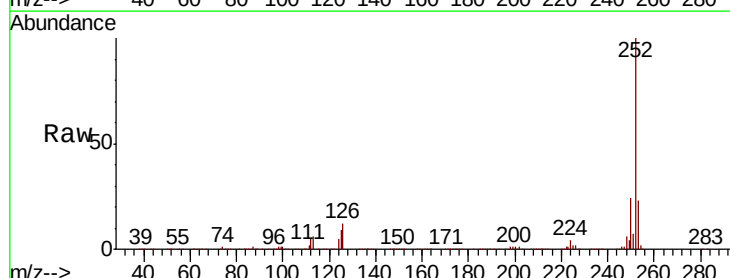
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 400031  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.9 28.3  
265 22.1 17.3 25.9

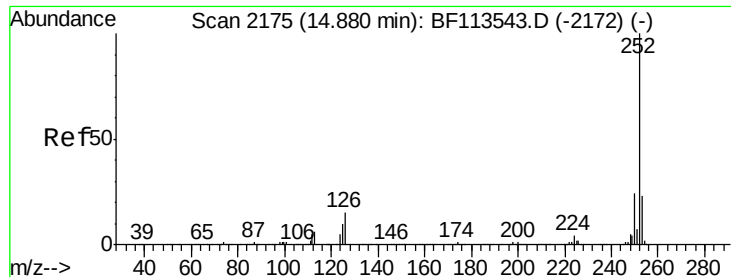


#88  
Benzo(b)fluoranthene  
Concen: 91.948 ng  
RT: 15.09 min Scan# 2211  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion:252 Resp: 2251525  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.8 26.6  
125 9.4 7.0 10.6



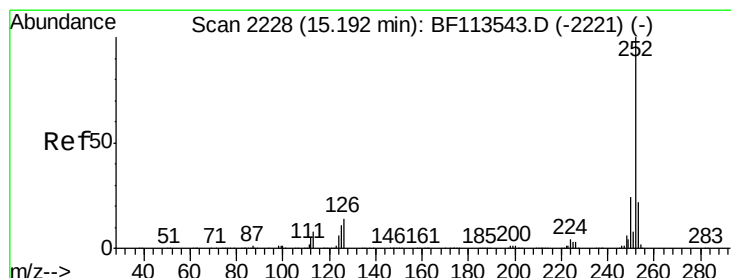
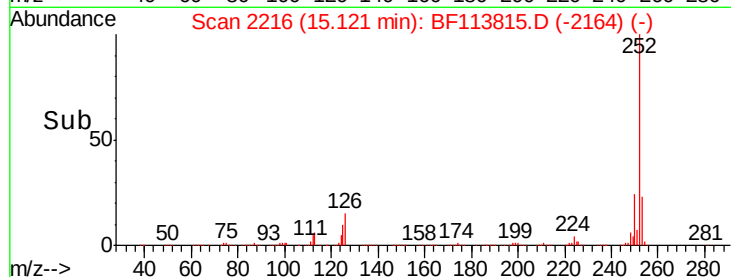
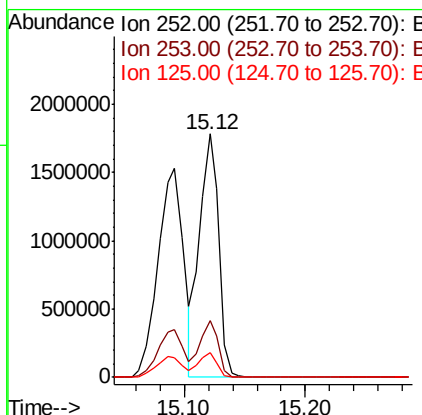
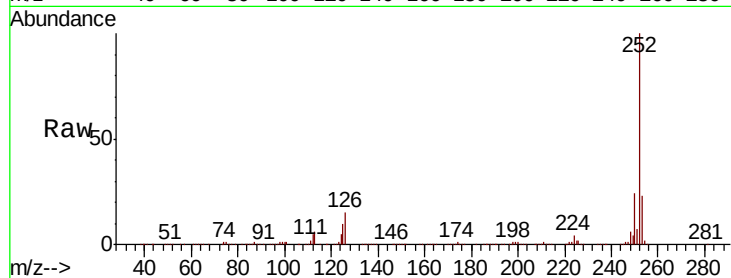




#89  
Benzo(k)fluoranthene  
Concen: 89.108 ng  
RT: 15.12 min Scan# 2216  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

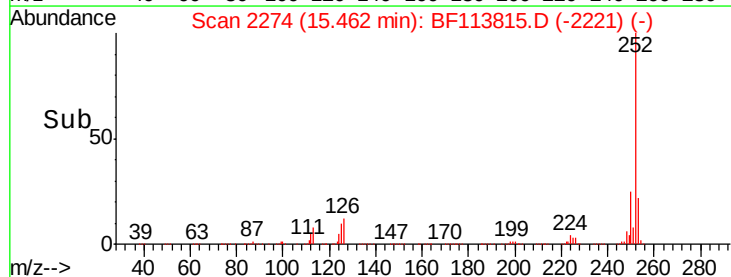
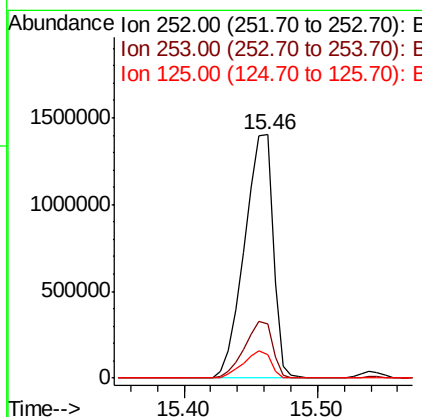
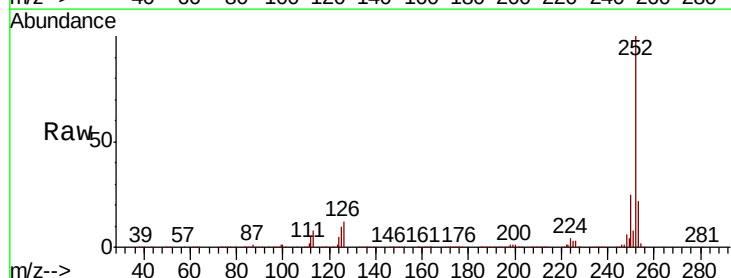
Instrument :  
BNA\_F  
ClientSampleId :

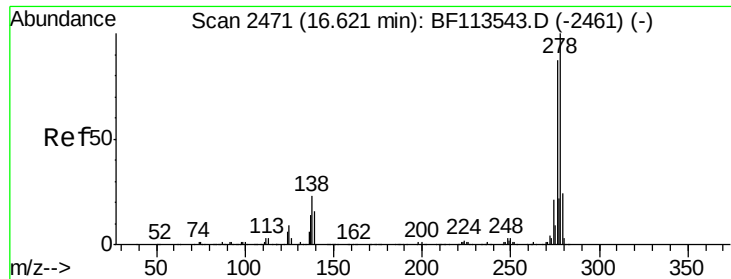
Tot Ion:252 Resp: 1958263  
Ion Ratio Lower Upper  
252 100  
253 23.5 18.2 27.2  
125 10.3 7.4 11.2



#90  
Benzo(a)pyrene  
Concen: 95.278 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. 0.01 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion:252 Resp: 2073152  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.5 26.3  
125 9.8 8.5 12.7



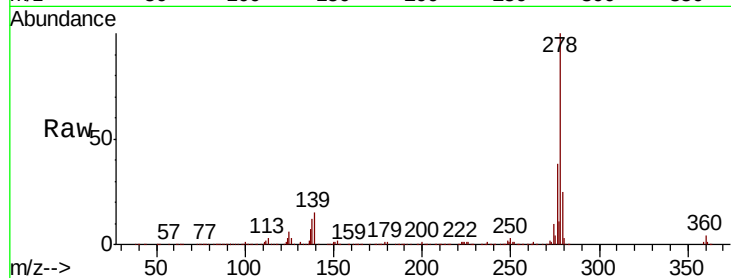


#91  
Dibenzo(a,h)anthracene  
Concen: 105.610 ng  
RT: 17.03 min Scan# 2540  
Delta R.T. 0.02 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

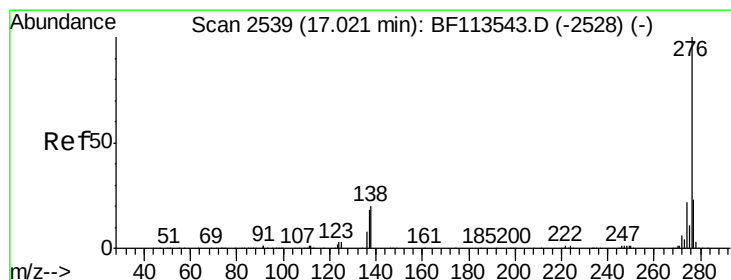
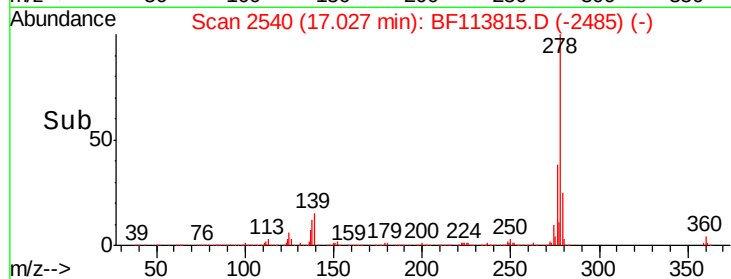
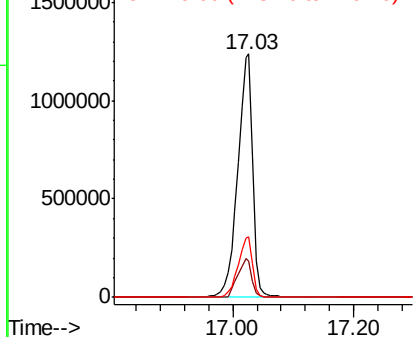
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:278 Resp: 2148938  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 14.7  | 11.6  | 17.4  |
| 279 | 25.0  | 19.0  | 28.6  |



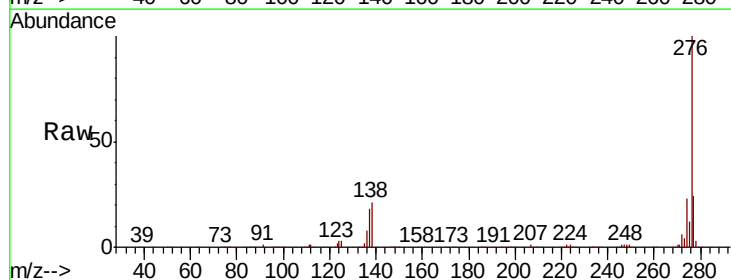
Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 112.584 ng  
RT: 17.46 min Scan# 2613  
Delta R.T. 0.03 min  
Lab File: BF113815.D  
Acq: 18 Apr 2019 10:58

Tgt Ion:276 Resp: 2338242  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 24.0  | 19.0  | 28.4  |
| 138 | 21.3  | 16.6  | 25.0  |



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

