

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061219\  
 Data File : BF114973.D  
 Acq On : 12 Jun 2019 13:28  
 Operator : HP/JU  
 Sample : SSTDICC100  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 12 14:32:43 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 12 12:22:46 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.65  | 152  | 250539   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.94  | 136  | 1007076  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.69  | 164  | 483293   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.16 | 188  | 929550   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.79 | 240  | 404188   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.16 | 264  | 485025   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.26  | 112  | 2503918  | 169.14 | ng    | 0.00     |
| 7) Phenol-d6                | 6.32  | 99   | 2970861  | 166.38 | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.23  | 82   | 3091028  | 188.58 | ng    | 0.02     |
| 42) 2,4,6-Tribromophenol    | 10.47 | 330  | 862827   | 164.12 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.02  | 172  | 4349815  | 142.84 | ng    | 0.01     |
| 79) Terphenyl-d14           | 12.74 | 244  | 4255302  | 209.37 | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc    | Units | Qvalue |
|--------------------------------|------|------|----------|---------|-------|--------|
| 2) 1,4-Dioxane                 | 2.28 | 88   | 641543   | 91.326  | ng    | 99     |
| 3) Pyridine                    | 2.96 | 79   | 1833315  | 93.754  | ng    | 100    |
| 4) n-Nitrosodimethylamine      | 2.93 | 42   | 676186   | 96.272  | ng    | 100    |
| 6) Aniline                     | 6.33 | 93   | 2004067  | 82.856  | ng    | # 64   |
| 8) 2-Chlorophenol              | 6.45 | 128  | 1422498  | 84.196  | ng    | 99     |
| 9) Benzaldehyde                | 6.20 | 77   | 789554   | 69.087  | ng    | 99     |
| 10) Phenol                     | 6.33 | 94   | 1702541  | 85.508  | ng    | 92     |
| 11) bis(2-Chloroethyl)ether    | 6.40 | 93   | 1358083  | 85.583  | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 6.60 | 146  | 1672079  | 85.274  | ng    | 97     |
| 13) 1,4-Dichlorobenzene        | 6.67 | 146  | 1646722  | 83.747  | ng    | 98     |
| 14) 1,2-Dichlorobenzene        | 6.83 | 146  | 1364999  | 76.482  | ng    | 99     |
| 15) Benzyl Alcohol             | 6.81 | 79   | 995013   | 77.226  | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.95 | 45   | 1731048  | 79.318  | ng    | 96     |
| 17) 2-Methylphenol             | 6.93 | 107  | 1249196  | 88.304  | ng    | # 91   |
| 18) Hexachloroethane           | 7.17 | 117  | 620517   | 85.631  | ng    | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70   | 973954   | 87.227  | ng    | 98     |
| 20) 3+4-Methylphenols          | 7.09 | 107  | 1263713  | 79.782  | ng    | 89     |
| 22) Acetophenone               | 7.08 | 105  | 1977282  | 87.712  | ng    | # 99   |
| 24) Nitrobenzene               | 7.25 | 77   | 1445871  | 84.798  | ng    | 95     |
| 25) Isophorone                 | 7.49 | 82   | 2897936  | 90.288  | ng    | 100    |
| 26) 2-Nitrophenol              | 7.56 | 139  | 869522   | 91.791  | ng    | 97     |
| 27) 2,4-Dimethylphenol         | 7.61 | 122  | 1206024  | 87.004  | ng    | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.70 | 93   | 1750522  | 85.257  | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 7.80 | 162  | 1235128  | 85.085  | ng    | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.88 | 180  | 1419762  | 85.222  | ng    | 98     |
| 31) Naphthalene                | 7.96 | 128  | 3797885  | 81.844  | ng    | 97     |
| 32) Benzoic acid               | 7.79 | 122  | 1069628  | 103.303 | ng    | 96     |
| 33) 4-Chloroaniline            | 8.02 | 127  | 1917488  | 87.564  | ng    | 98     |
| 34) Hexachlorobutadiene        | 8.09 | 225  | 779578   | 83.431  | ng    | 99     |
| 35) Caprolactam                | 8.43 | 113  | 374625   | 76.612  | ng    | 98     |
| 36) 4-Chloro-3-methylphenol    | 8.51 | 107  | 1296853  | 87.957  | ng    | 97     |
| 37) 2-Methylnaphthalene        | 8.65 | 142  | 2539322  | 80.529  | ng    | 98     |
| 38) 1-Methylnaphthalene        | 8.75 | 142  | 2409616  | 80.796  | ng    | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.82 | 216  | 1138954  | 81.967  | ng    | 99     |

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 Data File : BF114973.D  
 Acq On : 12 Jun 2019 13:28  
 Operator : HP/JU  
 Sample : SSTDICC100  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

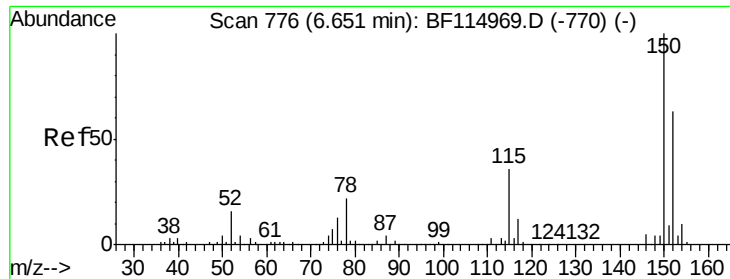
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 12 14:32:43 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 12 12:22:46 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.80  | 237  | 667939   | 84.566  | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 8.93  | 196  | 945650   | 89.624  | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 8.98  | 196  | 937478   | 86.169  | nq    | 98       |
| 46) 1,1'-Biphenyl              | 9.12  | 154  | 2863534  | 79.197  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 9.14  | 162  | 2526836  | 82.786  | nq    | 97       |
| 48) 2-Nitroaniline             | 9.24  | 65   | 842409   | 90.671  | nq    | 97       |
| 49) Acenaphthylene             | 9.55  | 152  | 3542942  | 78.769  | nq    | 97       |
| 50) Dimethylphthalate          | 9.43  | 163  | 3130486  | 86.182  | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.49  | 165  | 717331   | 85.980  | nq    | 90       |
| 52) Acenaphthene               | 9.72  | 154  | 2193035  | 80.481  | nq    | 98       |
| 53) 3-Nitroaniline             | 9.65  | 138  | 910441   | 90.876  | nq    | 97       |
| 54) 2,4-Dinitrophenol          | 9.76  | 184  | 432723   | 104.794 | nq    | 94       |
| 55) Dibenzofuran               | 9.90  | 168  | 2926800  | 75.243  | nq    | 99       |
| 56) 4-Nitrophenol              | 9.82  | 139  | 651691   | 91.271  | nq    | 98       |
| 57) 2,4-Dinitrotoluene         | 9.89  | 165  | 840036   | 79.656  | nq    | # 84     |
| 58) Fluorene                   | 10.24 | 166  | 2159023  | 72.004  | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.02 | 232  | 736808   | 83.774  | nq    | 97       |
| 60) Diethylphthalate           | 10.12 | 149  | 2871561  | 81.338  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.23 | 204  | 1047098  | 69.755  | nq    | 97       |
| 62) 4-Nitroaniline             | 10.27 | 138  | 909452   | 88.578  | nq    | 99       |
| 63) Azobenzene                 | 10.39 | 77   | 2486343  | 80.914  | nq    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.30 | 198  | 520921   | 99.929  | nq    | 96       |
| 66) n-Nitrosodiphenylamine     | 10.35 | 169  | 2280551  | 82.579  | nq    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.72 | 248  | 828553   | 82.290  | nq    | 96       |
| 68) Hexachlorobenzene          | 10.79 | 284  | 920093   | 82.751  | nq    | # 91     |
| 69) Atrazine                   | 10.88 | 200  | 713780   | 76.705  | nq    | 99       |
| 70) Pentachlorophenol          | 10.97 | 266  | 561914   | 90.123  | nq    | 98       |
| 71) Phenanthrene               | 11.19 | 178  | 3607341  | 79.987  | nq    | 98       |
| 72) Anthracene                 | 11.24 | 178  | 3632250  | 79.350  | nq    | 97       |
| 73) Carbazole                  | 11.39 | 167  | 3393153  | 81.418  | nq    | 98       |
| 74) Di-n-butylphthalate        | 11.73 | 149  | 3880012  | 75.332  | nq    | 98       |
| 75) Fluoranthene               | 12.37 | 202  | 3594430  | 77.055  | nq    | 98       |
| 77) Benzidine                  | 12.49 | 184  | 1139258  | 64.407  | nq    | 96       |
| 78) Pyrene                     | 12.59 | 202  | 3701054  | 105.140 | nq    | 98       |
| 80) Butylbenzylphthalate       | 13.22 | 149  | 1778851  | 102.574 | nq    | 93       |
| 81) Benzo(a)anthracene         | 13.77 | 228  | 2825521  | 94.543  | nq    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 13.74 | 252  | 1011347  | 82.903  | nq    | # 98     |
| 83) Chrysene                   | 13.82 | 228  | 2761761  | 92.024  | nq    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 13.78 | 149  | 1885182  | 92.819  | nq    | 100      |
| 85) Di-n-octyl phthalate       | 14.39 | 149  | 3250204  | 87.602  | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.47 | 276  | 3013311  | 106.801 | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 14.78 | 252  | 3049506  | 96.575  | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 14.81 | 252  | 2102689  | 76.730  | nq    | 97       |
| 90) Benzo(a)pyrene             | 15.11 | 252  | 2461945  | 89.764  | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.50 | 278  | 2336121  | 100.838 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 16.87 | 276  | 2552596  | 110.535 | nq    | 99       |

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



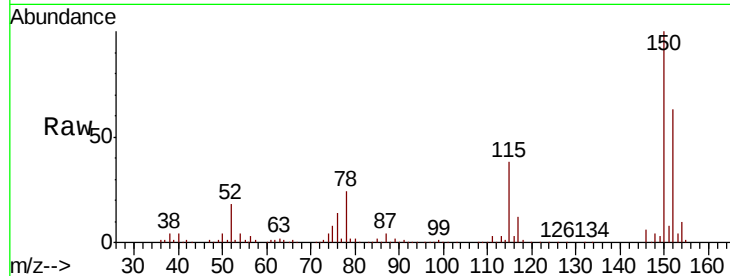


#1

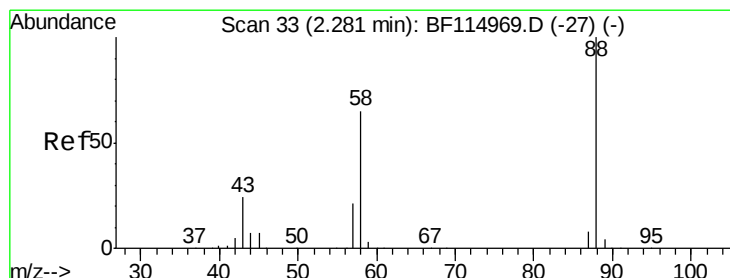
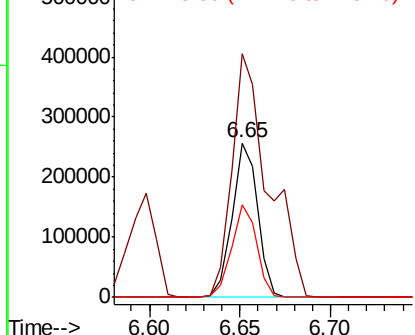
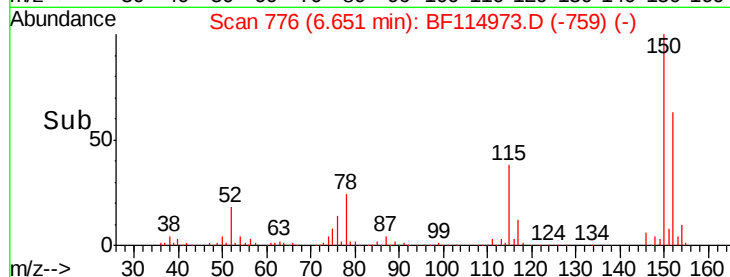
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.65 min Scan# 776  
Delta R.T. -0.00 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 250539  
Ion Ratio Lower Upper  
152 100  
150 157.9 127.4 191.0  
115 60.2 46.0 69.0



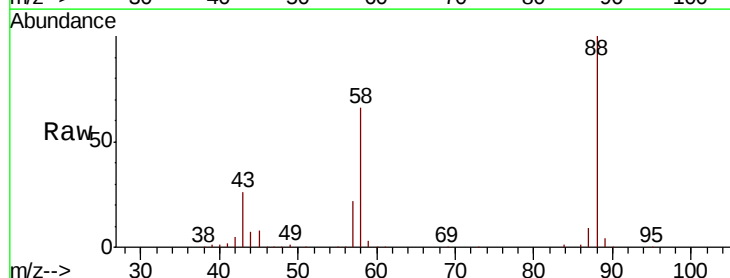
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



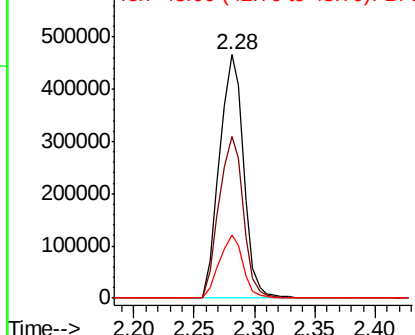
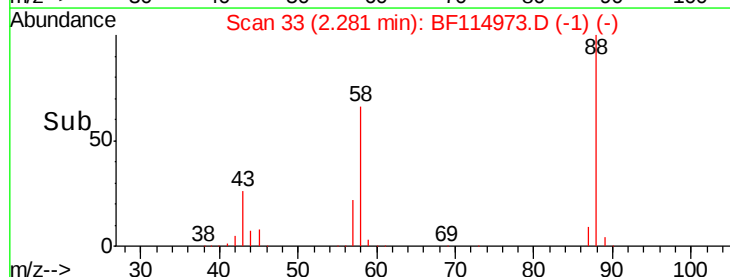
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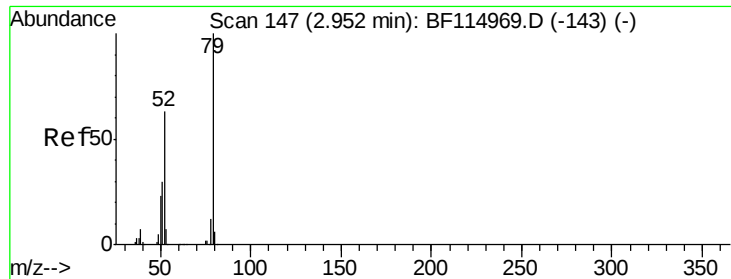
1,4-Dioxane  
Concen: 91.326 ng  
RT: 2.28 min Scan# 33  
Delta R.T. -0.00 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion: 88 Resp: 641543  
Ion Ratio Lower Upper  
88 100  
58 67.0 53.4 80.2  
43 25.5 19.7 29.5



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

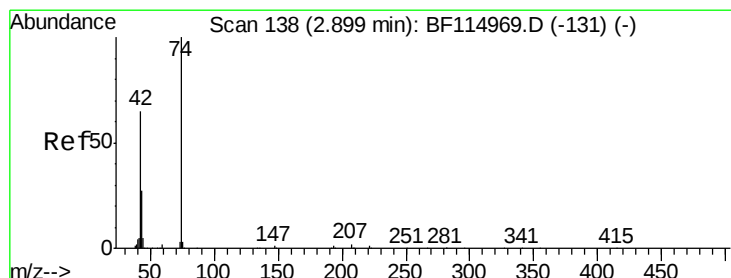
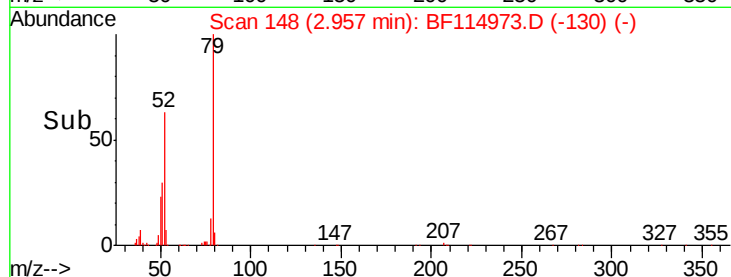
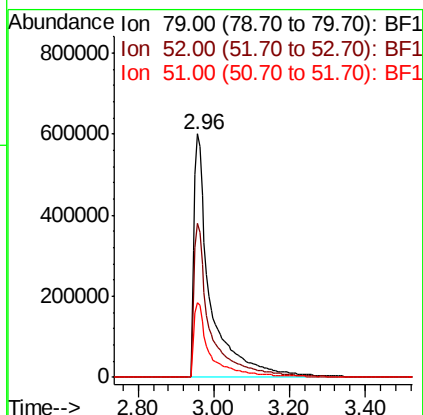
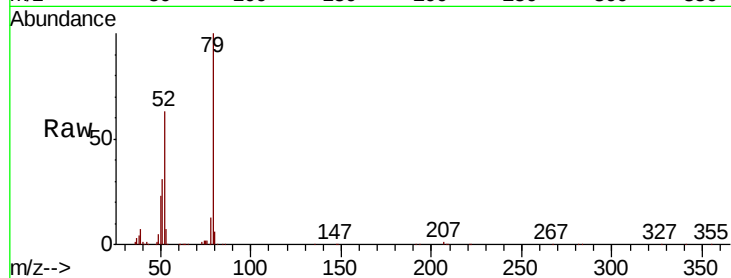




#3  
 Pvridine  
 Concen: 93.754 ng  
 RT: 2.96 min Scan# 148  
 Delta R.T. 0.01 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

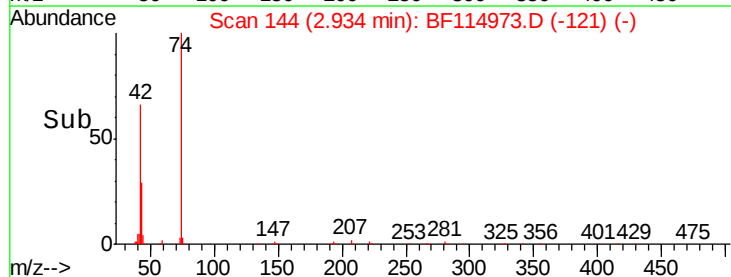
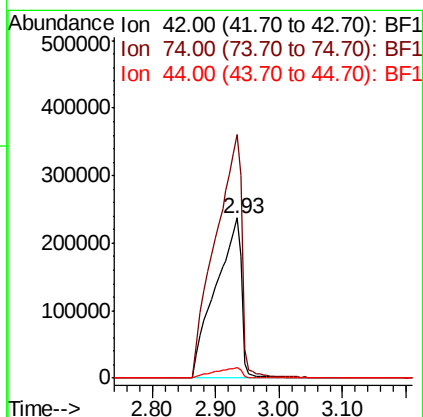
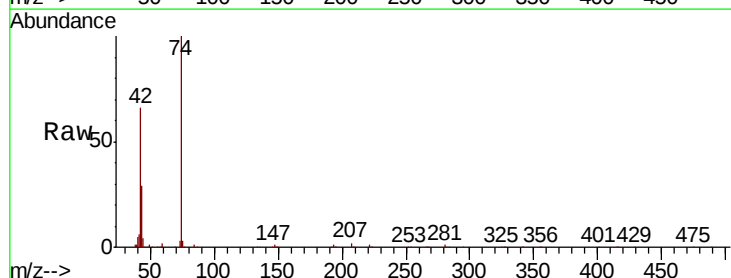
Instrument :  
 BNA\_F  
 ClientSampleId :

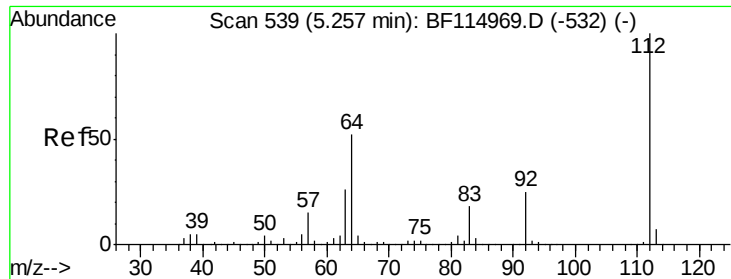
Tot Ion: 79 Resp: 1833315  
 Ion Ratio Lower Upper  
 79 100  
 52 63.4 50.3 75.5  
 51 30.6 24.4 36.6



#4  
 n-Nitrosodimethylamine  
 Concen: 96.272 ng  
 RT: 2.93 min Scan# 144  
 Delta R.T. 0.04 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

Tgt Ion: 42 Resp: 676186  
 Ion Ratio Lower Upper  
 42 100  
 74 152.3 122.2 183.2  
 44 6.5 5.8 8.8





#5

2-Fluorophenol

Concen: 169.142 ng

RT: 5.26 min Scan# 540

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampled :

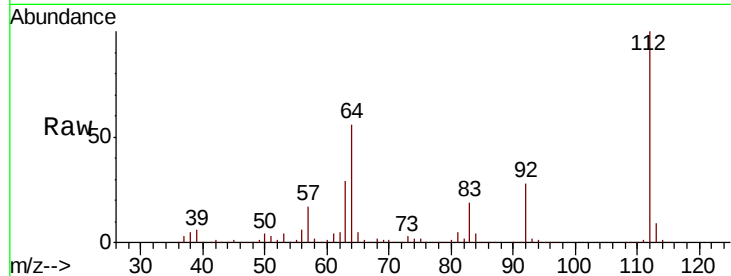
Tot Ion:112 Resp: 2503918

Ion Ratio Lower Upper

112 100

64 56.2 41.6 62.4

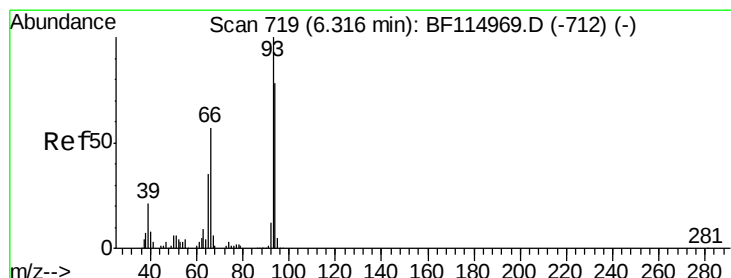
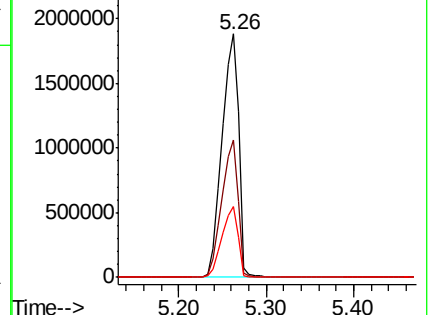
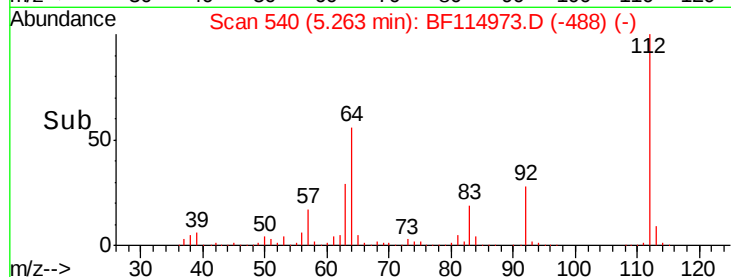
63 29.2 20.9 31.3



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 82.856 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

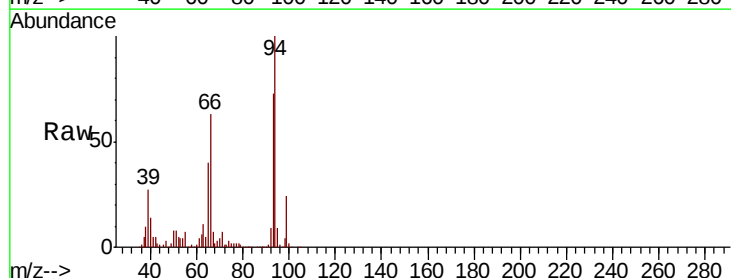
Tgt Ion: 93 Resp: 2004067

Ion Ratio Lower Upper

93 100

66 85.2 46.2 69.2#

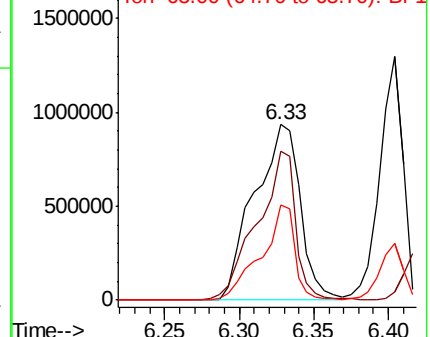
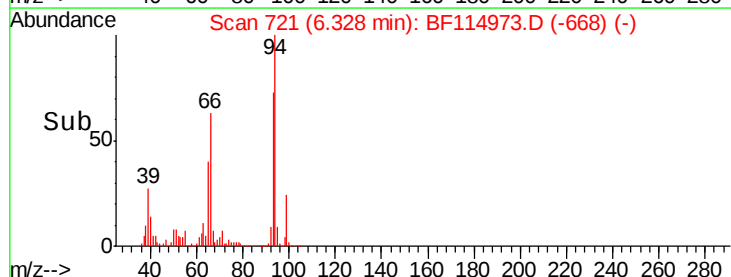
65 53.9 27.7 41.5#

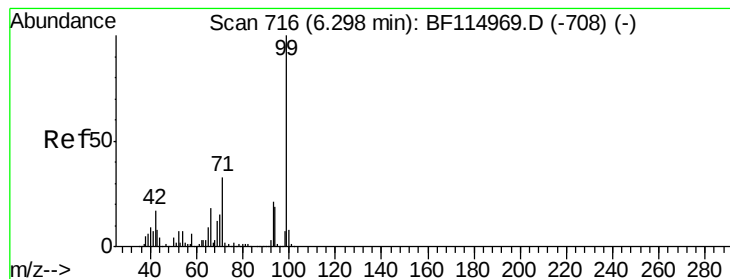


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 166.379 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.02 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

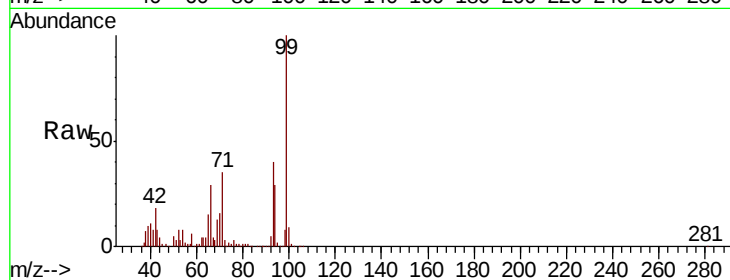
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 2970861

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.6  | 13.4  | 20.2  |
| 71  | 34.9  | 26.4  | 39.6  |

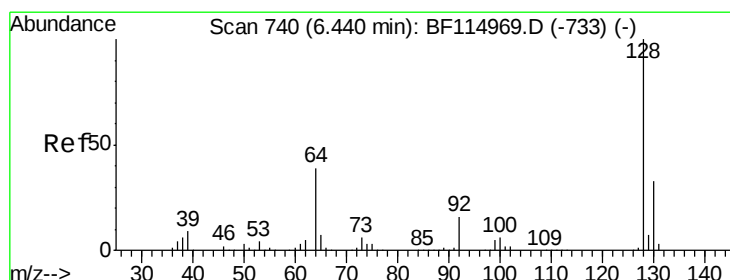
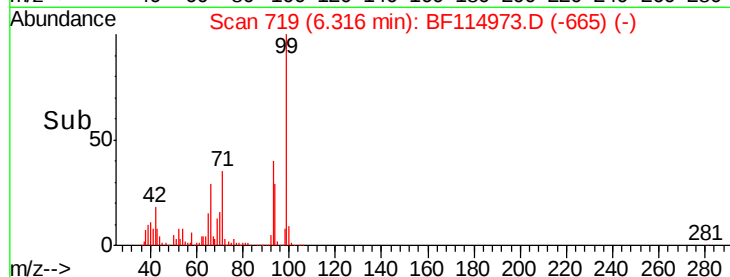
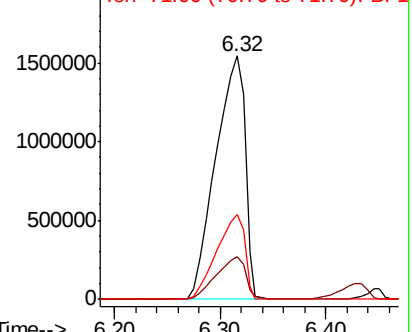


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 84.196 ng

RT: 6.45 min Scan# 742

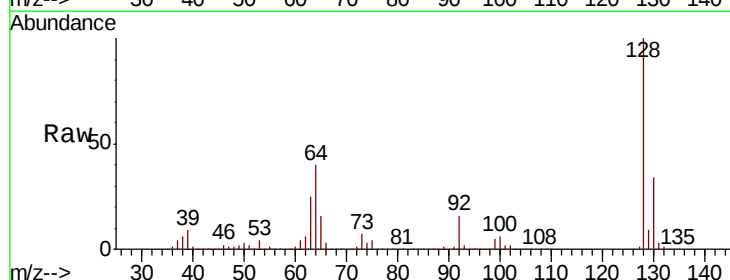
Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Tgt Ion: 128 Resp: 1422498

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 34.1  | 13.4  | 53.4  |
| 64  | 40.3  | 20.1  | 60.1  |

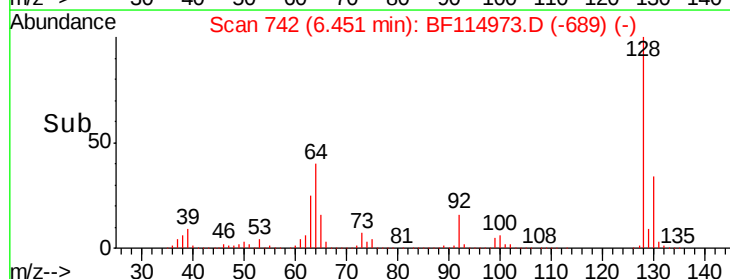
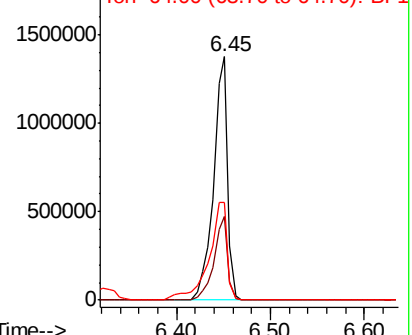


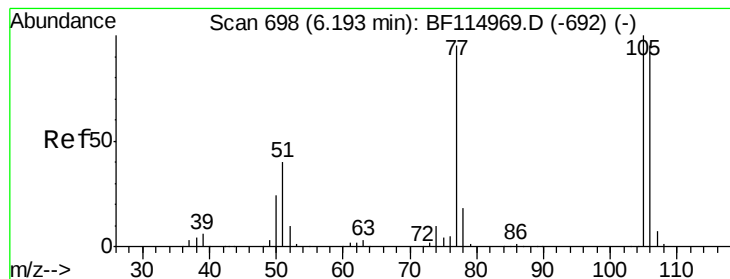
Abundance

Ion 128.00 (127.70 to 128.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 69.087 ng

RT: 6.20 min Scan# 699

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

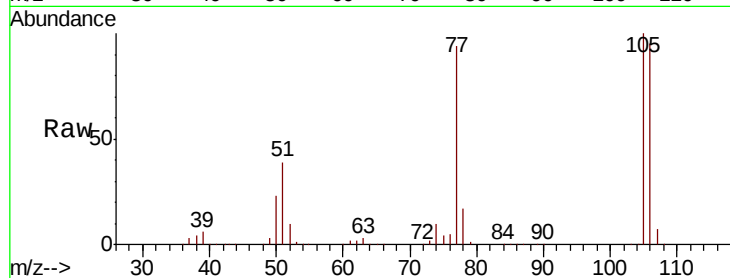
Tot Ion: 77 Resp: 789554

Ion Ratio Lower Upper

77 100

105 106.1 85.1 125.1

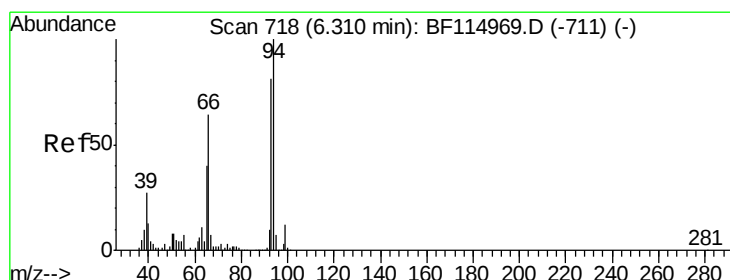
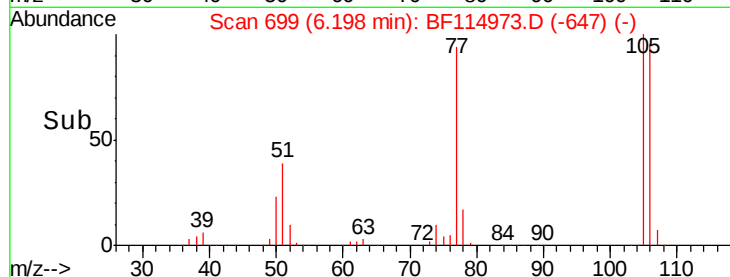
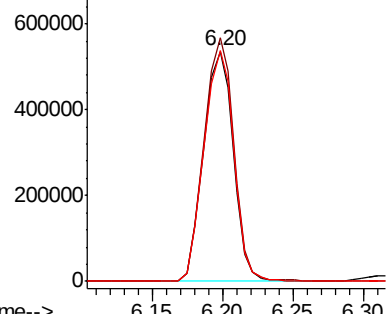
106 100.5 80.0 120.0



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: 85.508 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.02 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

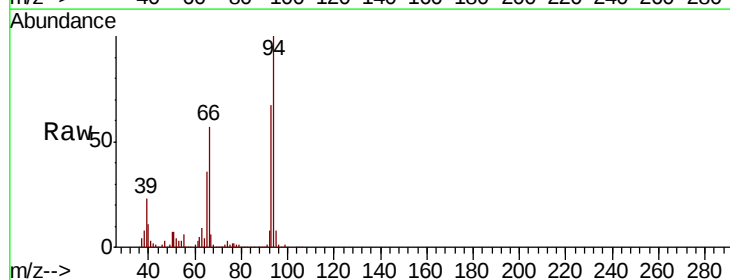
Tgt Ion: 94 Resp: 1702541

Ion Ratio Lower Upper

94 100

65 35.9 20.0 60.0

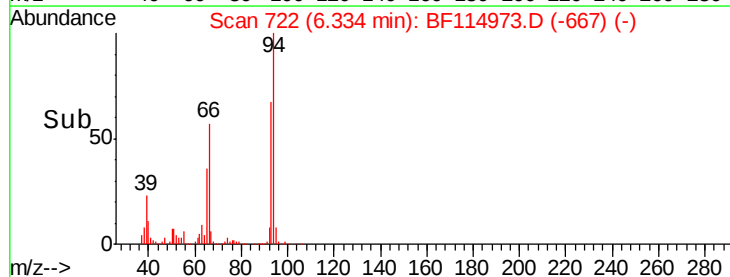
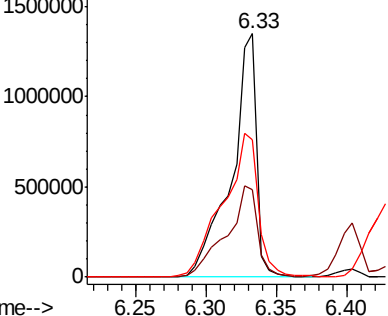
66 56.5 44.1 84.1

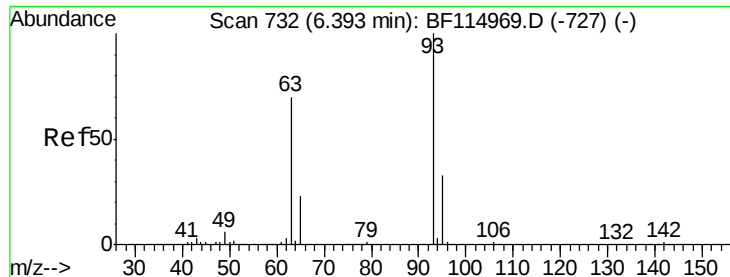


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

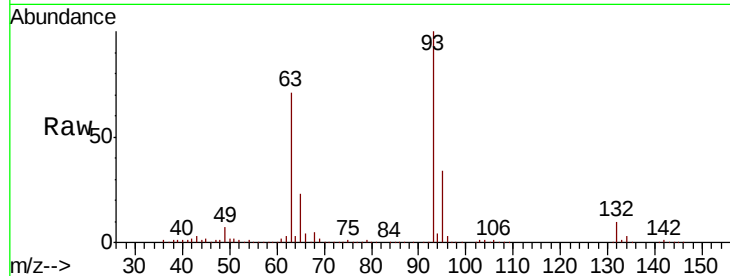




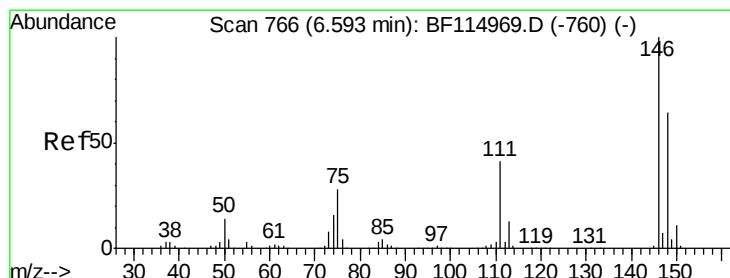
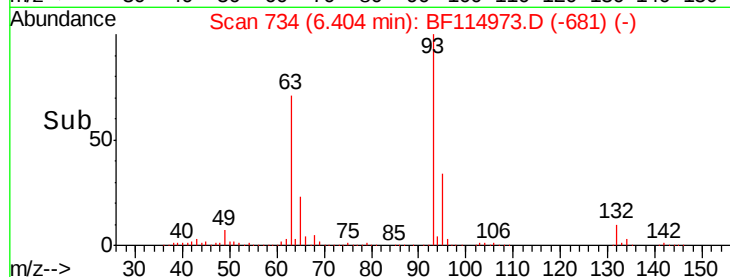
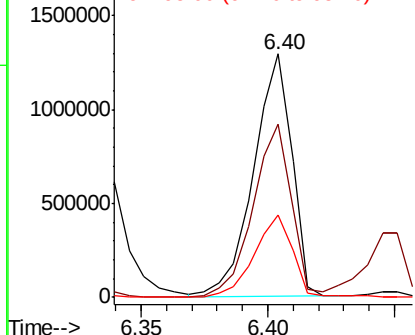
#11  
bis(2-Chloroethyl)ether  
Concen: 85.583 ng  
RT: 6.40 min Scan# 734  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 93 Resp: 1358083  
Ion Ratio Lower Upper  
93 100  
63 71.1 49.8 89.8  
95 33.6 13.3 53.3

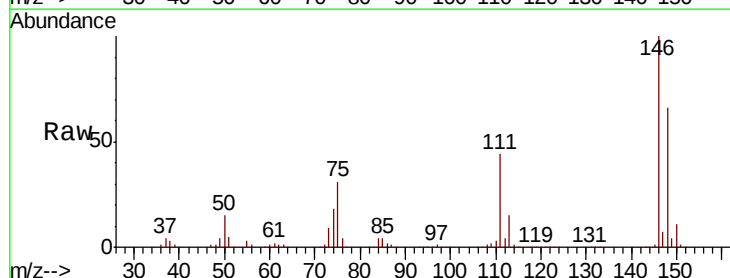


Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1

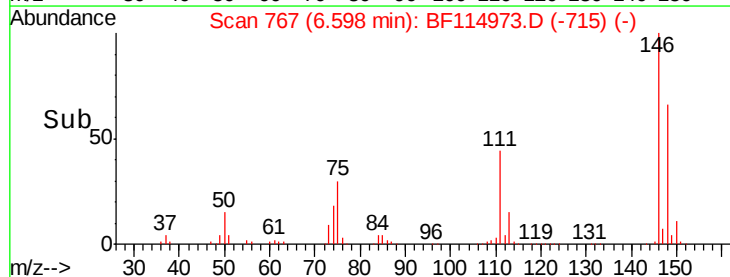
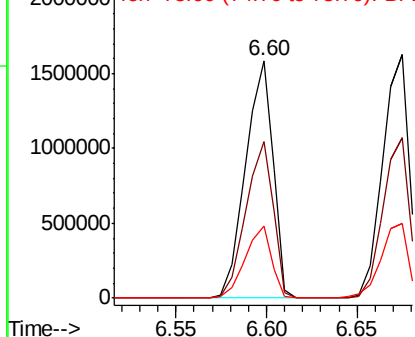


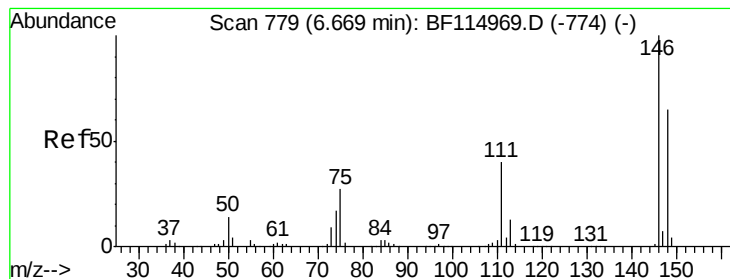
#12  
1,3-Dichlorobenzene  
Concen: 85.274 ng  
RT: 6.60 min Scan# 767  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion: 146 Resp: 1672079  
Ion Ratio Lower Upper  
146 100  
148 66.1 51.6 77.4  
75 30.5 22.3 33.5



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





#13

1,4-Dichlorobenzene

Concen: 83.747 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampled :

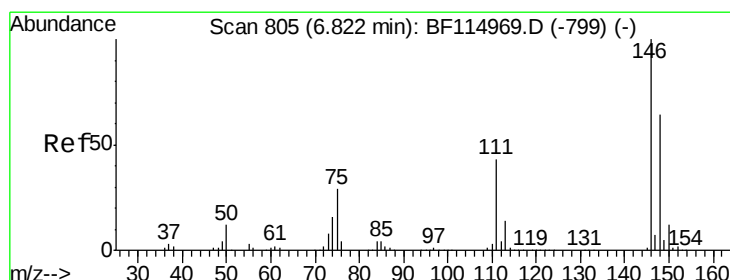
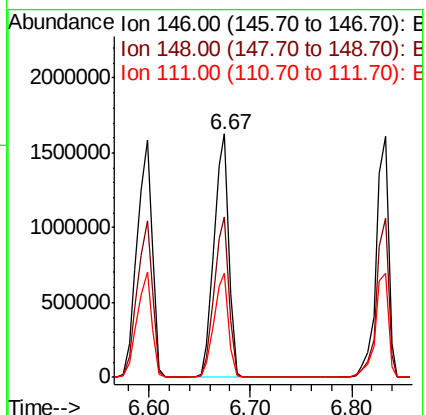
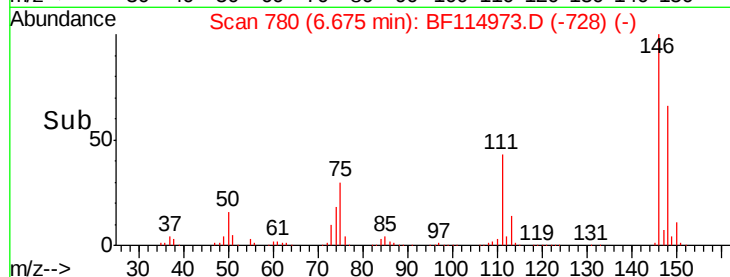
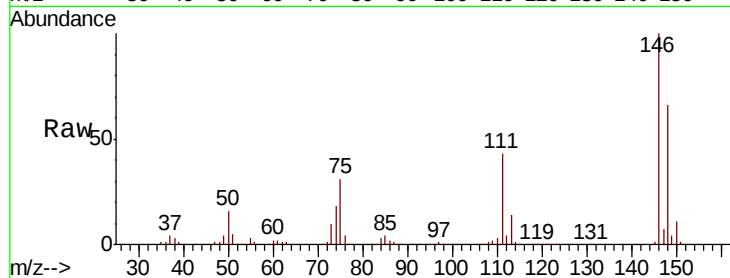
Tot Ion:146 Resp: 1646722

Ion Ratio Lower Upper

146 100

148 65.9 52.2 78.2

111 42.9 32.4 48.6



#14

1,2-Dichlorobenzene

Concen: 76.482 ng

RT: 6.83 min Scan# 807

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

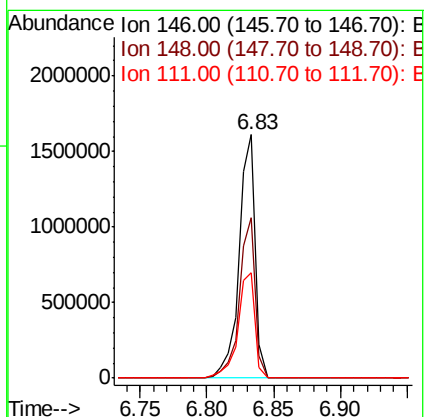
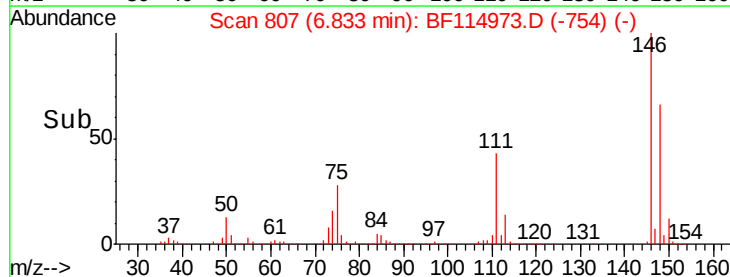
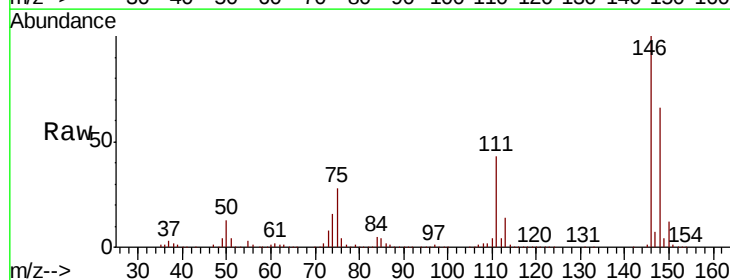
Tgt Ion:146 Resp: 1364999

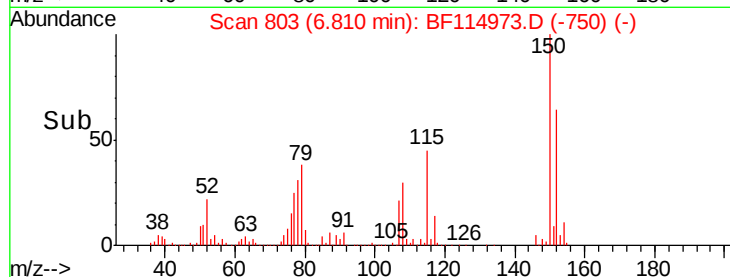
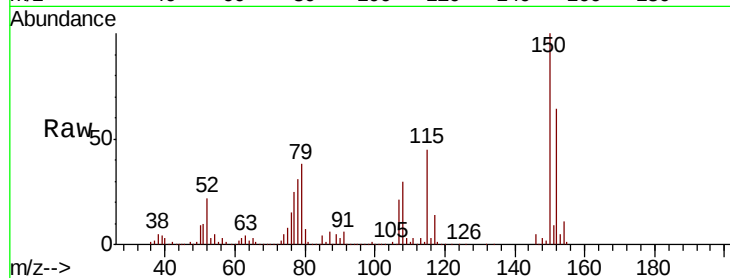
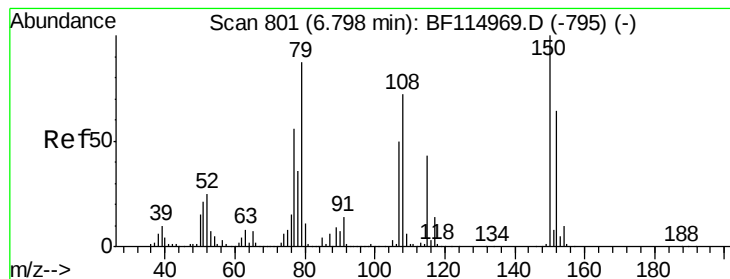
Ion Ratio Lower Upper

146 100

148 65.8 51.5 77.3

111 43.1 34.6 51.8





#15

Benzyl Alcohol

Concen: 77.226 ng

RT: 6.81 min Scan# 803

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

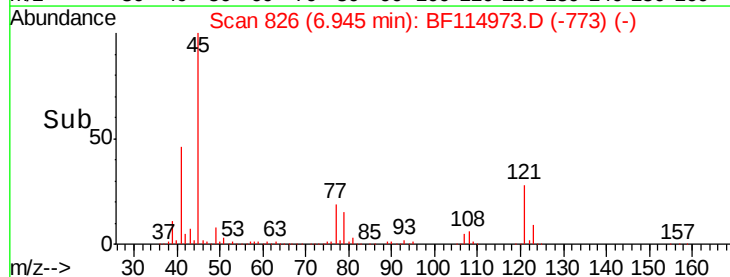
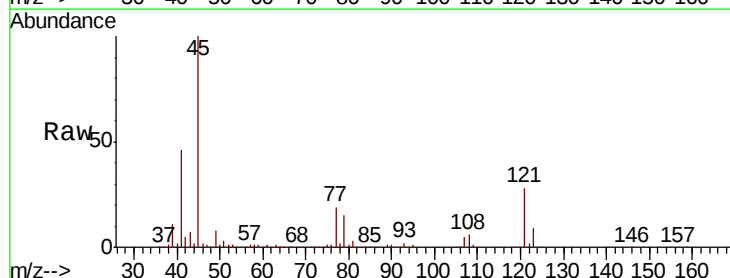
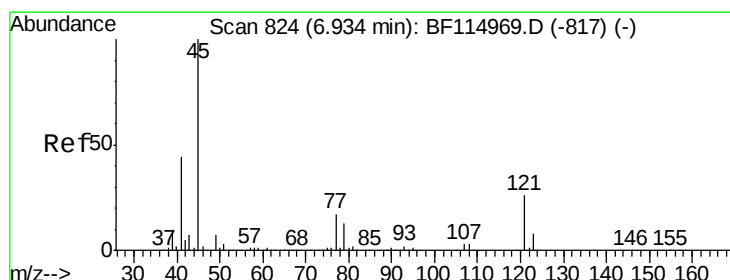
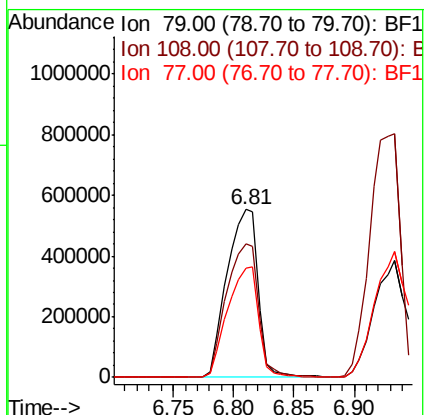
Tot Ion: 79 Resp: 995013

Ion Ratio Lower Upper

79 100

108 80.0 66.0 99.0

77 65.3 51.1 76.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 79.318 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

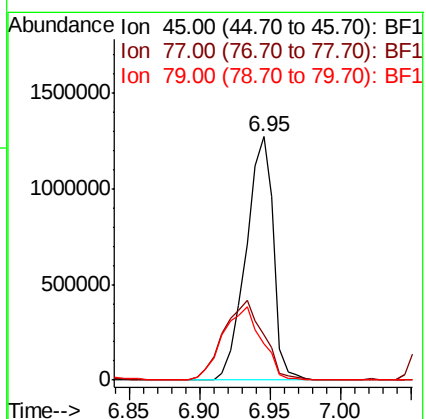
Tgt Ion: 45 Resp: 1731048

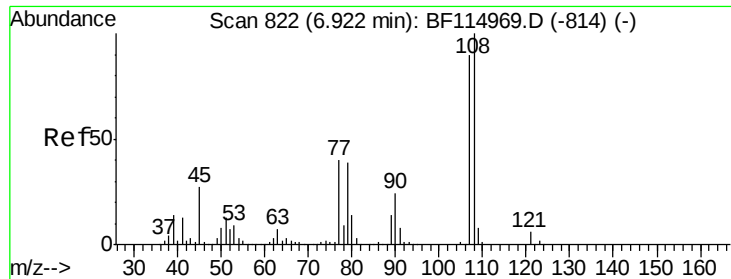
Ion Ratio Lower Upper

45 100

77 18.6 0.0 37.0

79 14.9 0.0 33.1

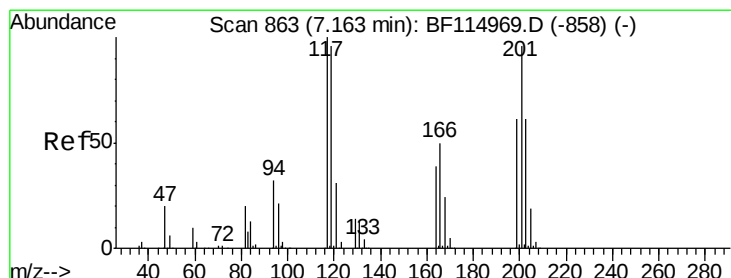
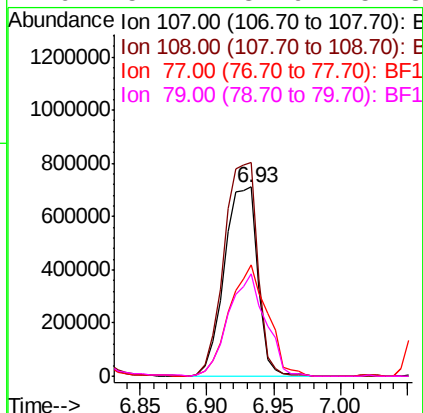
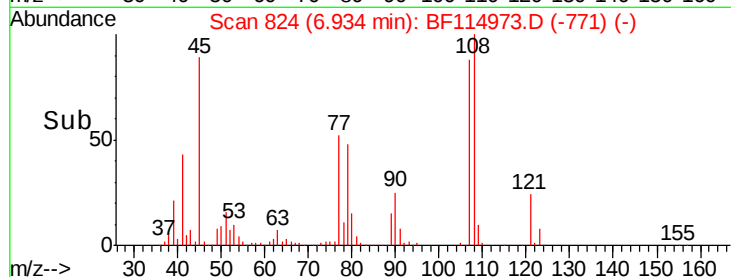
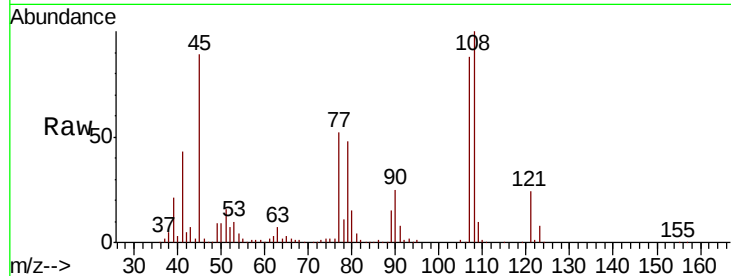




#17  
2-Methylphenol  
Concen: 88.304 ng  
RT: 6.93 min Scan# 824  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

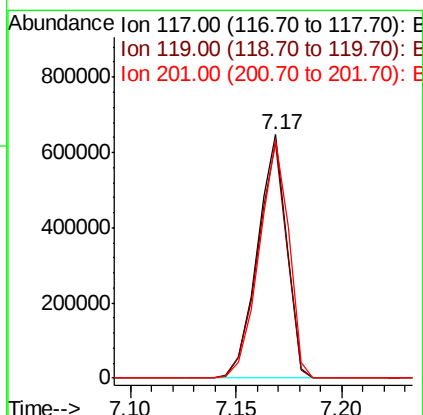
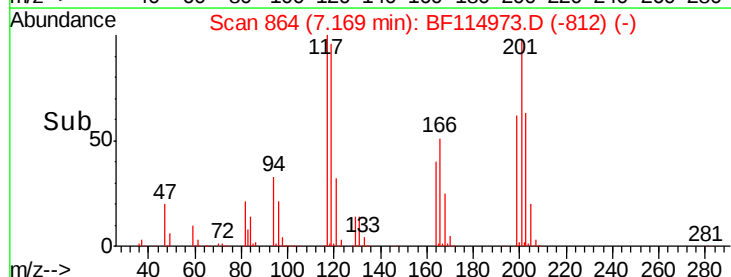
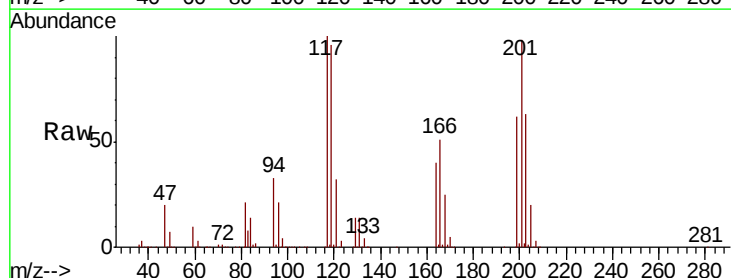
Instrument :  
BNA\_F  
ClientSampleId :

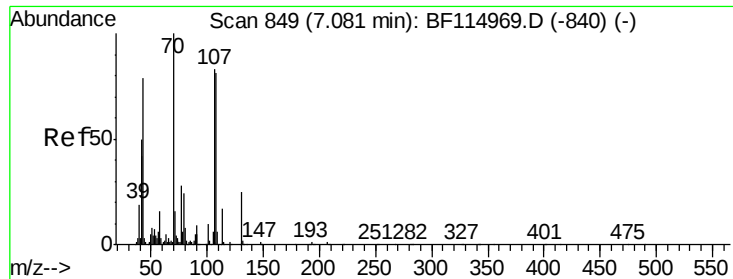
Tot Ion:107 Resp: 1249196  
Ion Ratio Lower Upper  
107 100  
108 113.1 89.3 133.9  
77 58.7 35.4 53.2#  
79 54.2 34.9 52.3#



#18  
Hexachloroethane  
Concen: 85.631 ng  
RT: 7.17 min Scan# 864  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion:117 Resp: 620517  
Ion Ratio Lower Upper  
117 100  
119 96.1 77.0 115.4  
201 97.9 76.6 115.0

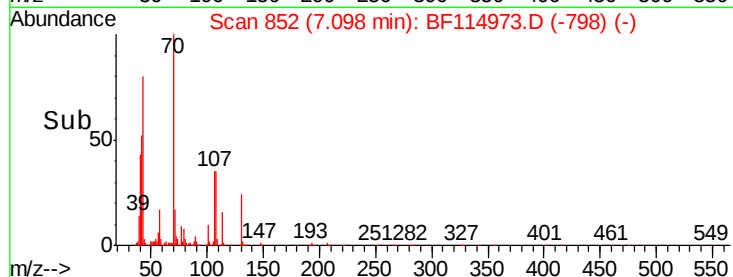
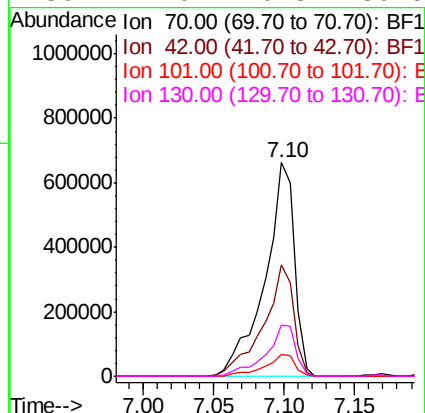
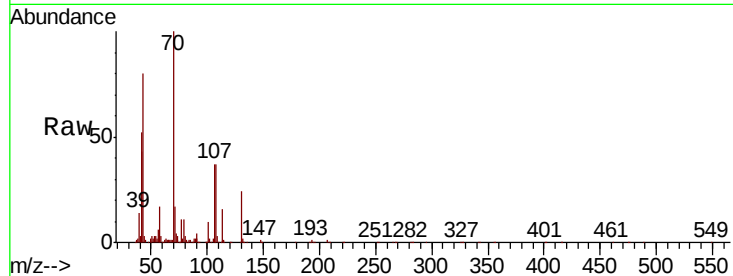




#19  
n-Nitroso-di-n-propylamine  
Concen: 87.227 ng  
RT: 7.10 min Scan# 852  
Delta R.T. 0.02 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

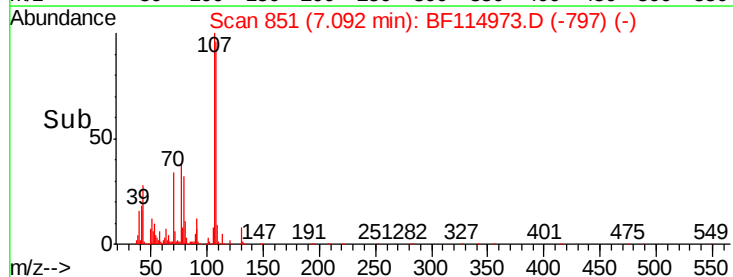
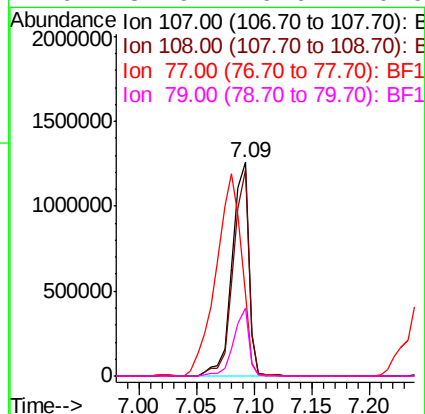
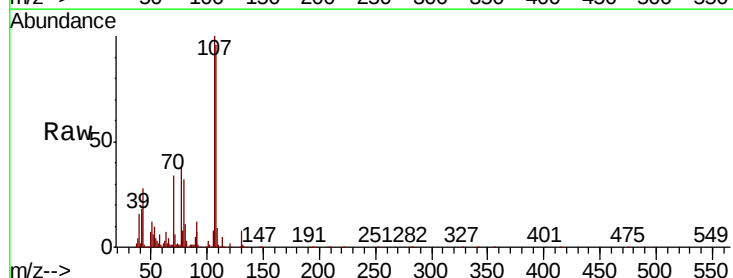
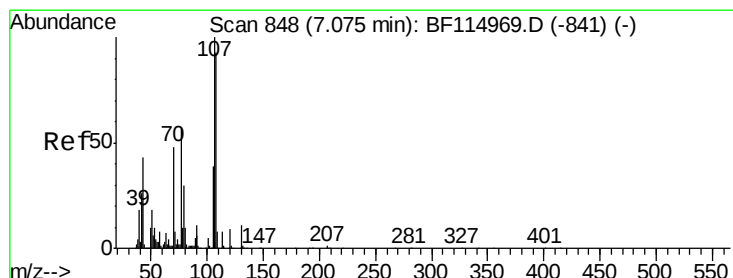
Instrument :  
BNA\_F  
ClientSampleId :

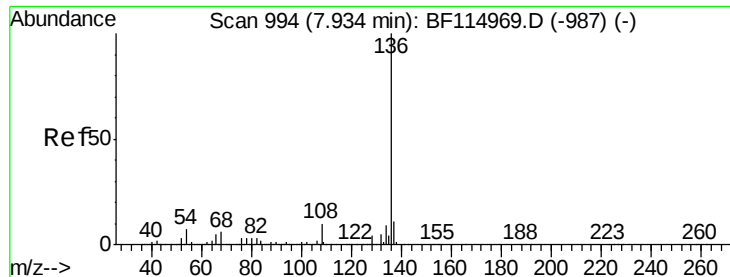
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 973954 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 52.1  | 40.3  | 60.5   |
| 101      | 10.2  | 8.2   | 12.4   |
| 130      | 24.0  | 20.3  | 30.5   |



#20  
3+4-Methylphenols  
Concen: 79.782 ng  
RT: 7.09 min Scan# 851  
Delta R.T. 0.02 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 107   | Resp: | 1263713 |
| Ion      | Ratio | Lower | Upper   |
| 107      | 100   |       |         |
| 108      | 96.3  | 73.1  | 113.1   |
| 77       | 38.2  | 37.3  | 77.3    |
| 79       | 31.9  | 9.6   | 49.6    |

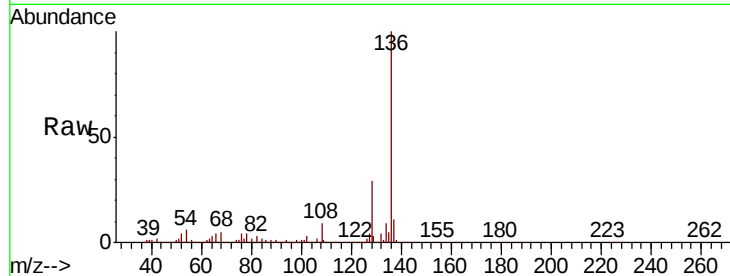




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.94 min Scan# 995  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Instrument :  
BNA\_F  
ClientSampleId :

|             |               |
|-------------|---------------|
| Tot Ion:136 | Resp: 1007076 |
| Ion Ratio   | Lower Upper   |
| 136 100     |               |
| 137 10.9    | 9.0 13.4      |
| 54 6.1      | 5.4 8.0       |
| 68 5.2      | 4.6 7.0       |



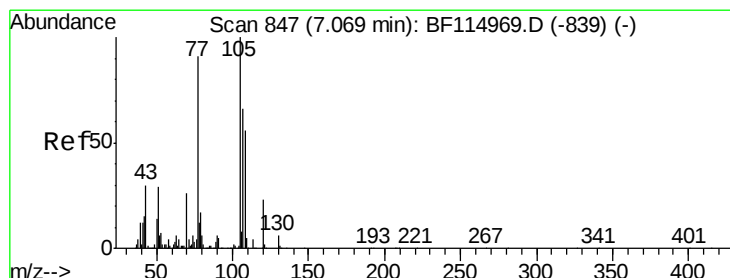
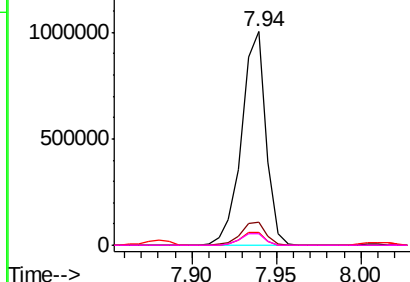
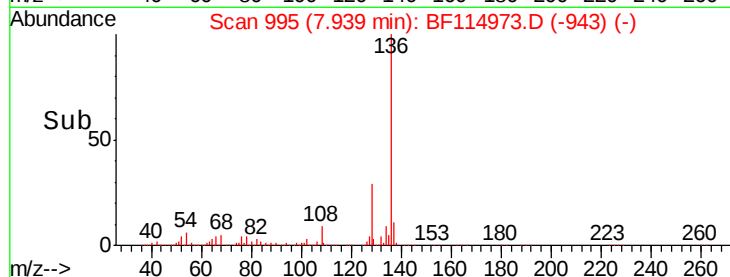
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

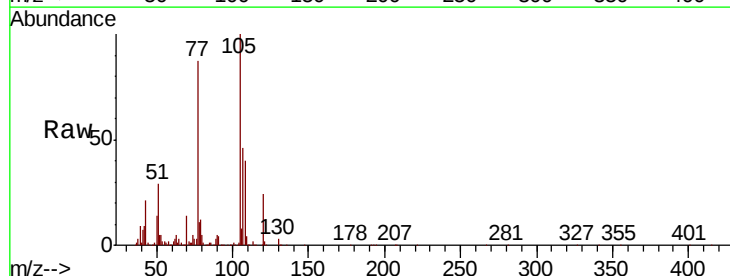
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22  
Acetophenone  
Concen: 87.712 ng  
RT: 7.08 min Scan# 849  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

|     |         |       |         |
|-----|---------|-------|---------|
| Tgt | Ion:105 | Resp: | 1977282 |
| Ion | Ratio   | Lower | Upper   |
| 105 | 100     |       |         |
| 71  | 2.4     | 3.4   | 5.2#    |
| 51  | 28.6    | 23.3  | 34.9    |
| 120 | 23.6    | 18.8  | 28.2    |



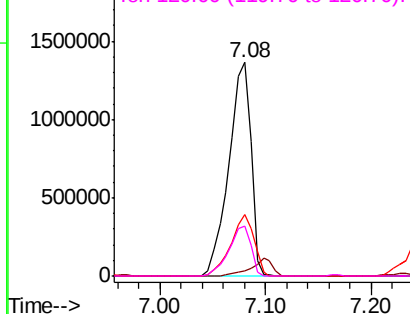
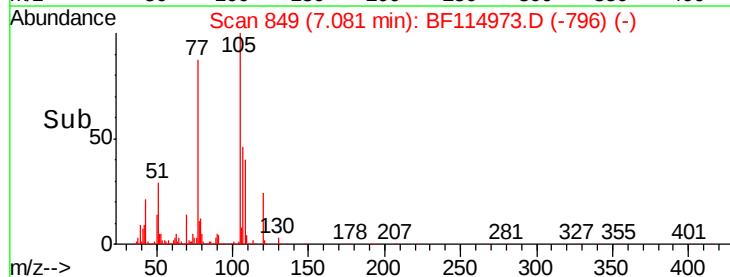
Abundance

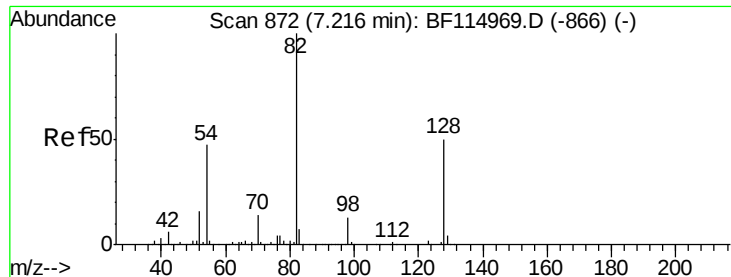
Ion 105.00 (104.70 to 105.70): E

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

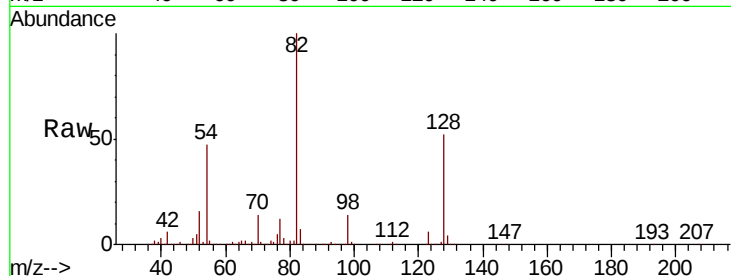




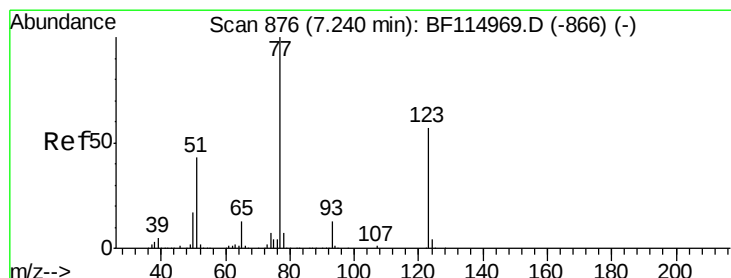
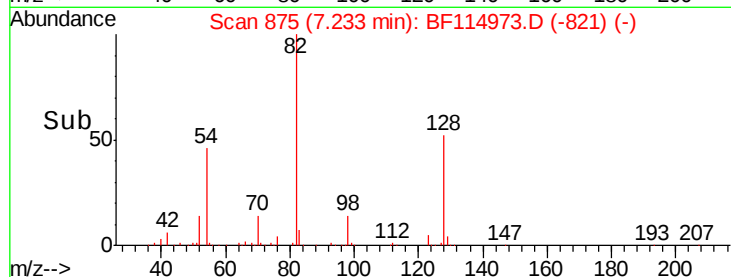
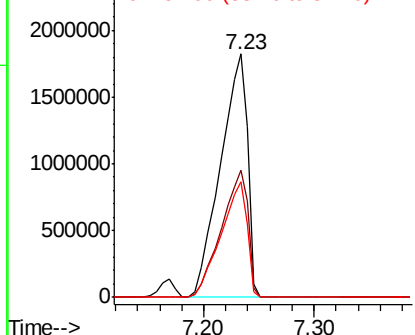
#23  
 Nitrobenzene-d5  
 Concen: 188.585 ng  
 RT: 7.23 min Scan# 875  
 Delta R.T. 0.02 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 82 Resp: 3091028  
 Ion Ratio Lower Upper  
 82 100  
 128 52.0 39.9 59.9  
 54 47.2 37.3 55.9

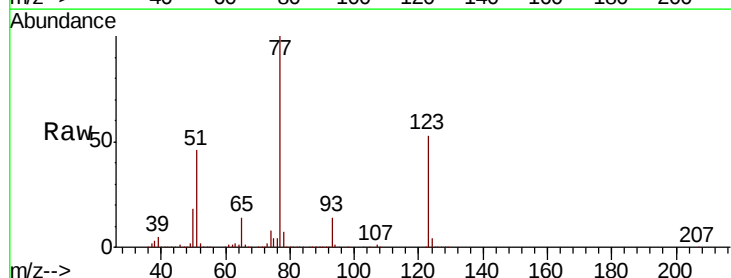


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

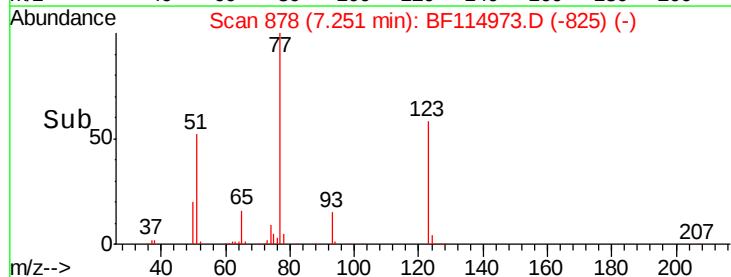
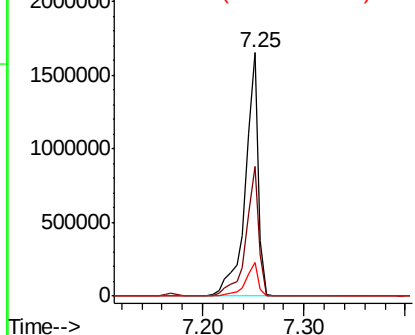


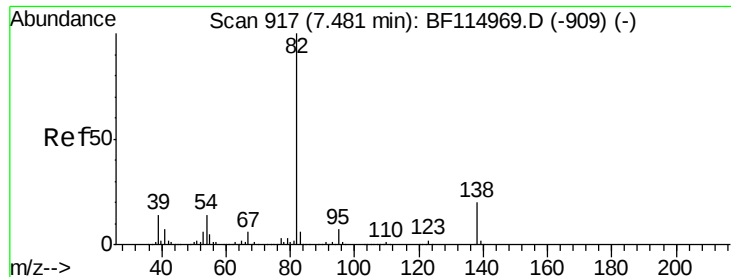
#24  
 Nitrobenzene  
 Concen: 84.798 ng  
 RT: 7.25 min Scan# 878  
 Delta R.T. 0.01 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

Tgt Ion: 77 Resp: 1445871  
 Ion Ratio Lower Upper  
 77 100  
 123 53.1 45.5 68.3  
 65 13.8 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: 90.288 ng

RT: 7.49 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

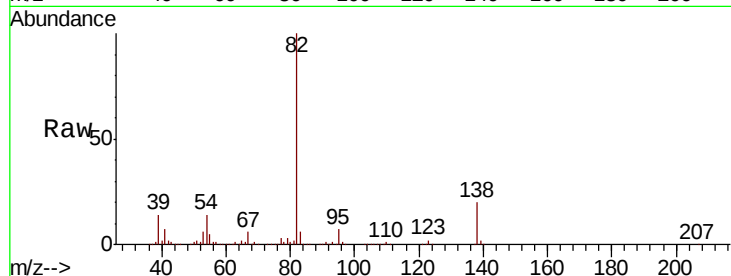
Tot Ion: 82 Resp: 2897936

Ion Ratio Lower Upper

82 100

95 7.2 5.6 8.4

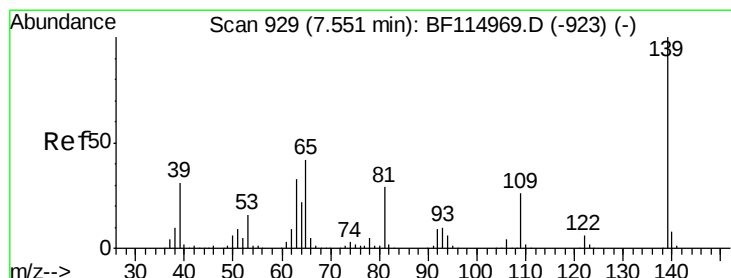
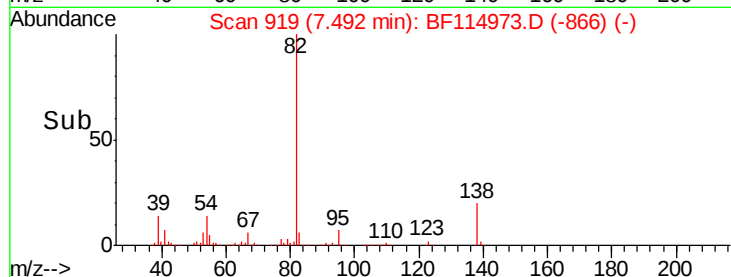
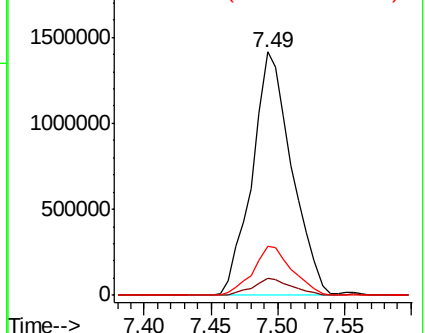
138 20.3 16.1 24.1



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 91.791 ng

RT: 7.56 min Scan# 930

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

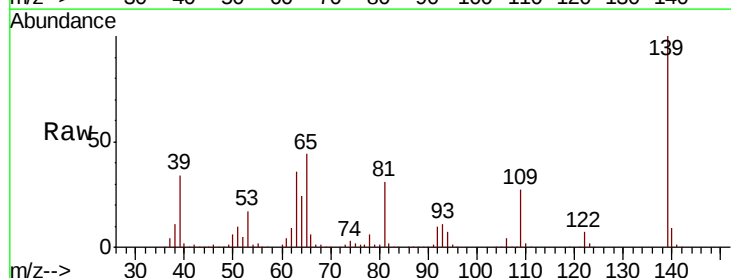
Tgt Ion: 139 Resp: 869522

Ion Ratio Lower Upper

139 100

109 27.4 20.8 31.2

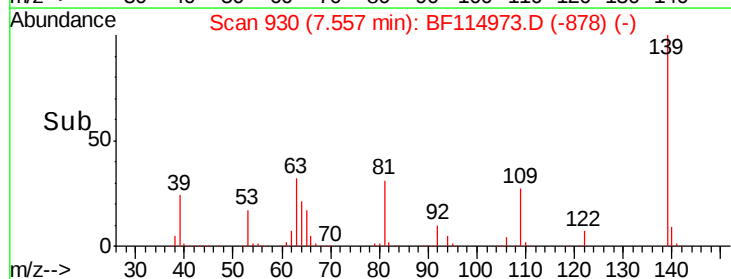
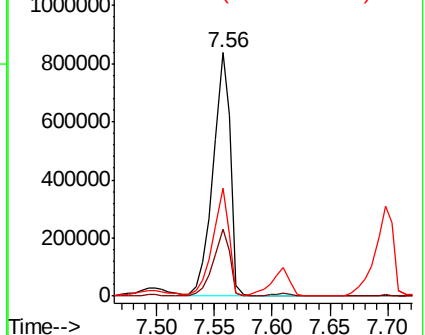
65 44.1 33.4 50.2

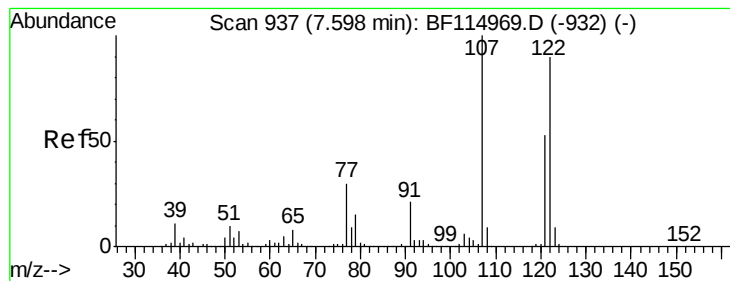


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 87.004 ng

RT: 7.61 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

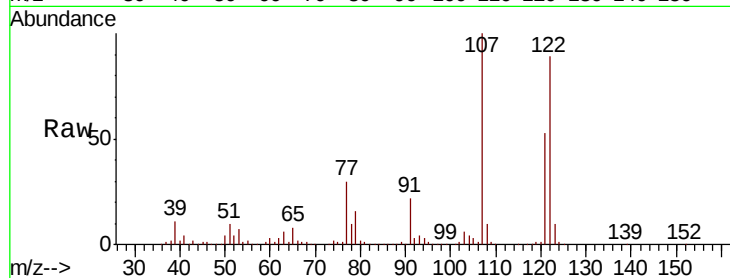
Tot Ion:122 Resp: 1206024

Ion Ratio Lower Upper

122 100

107 112.2 88.8 133.2

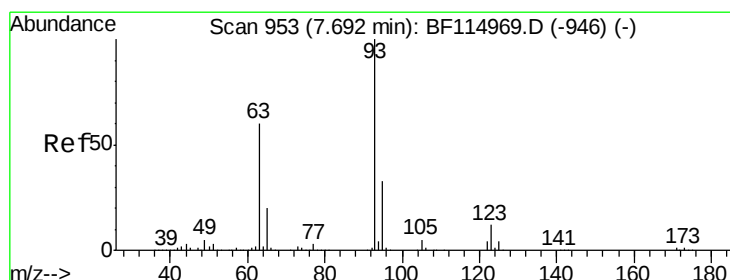
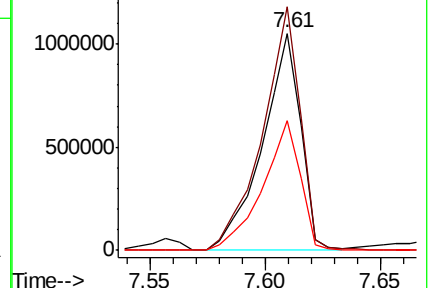
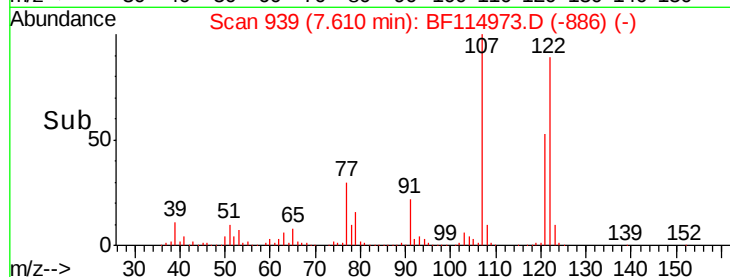
121 59.9 47.4 71.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 85.257 ng

RT: 7.70 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

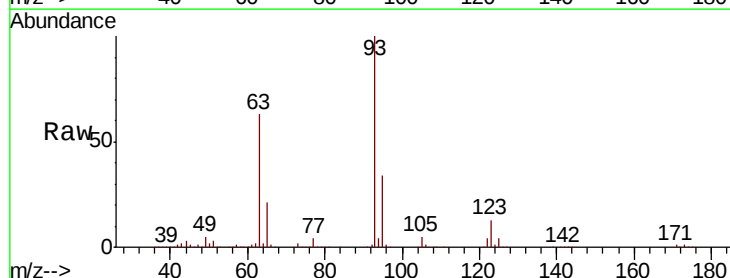
Tgt Ion: 93 Resp: 1750522

Ion Ratio Lower Upper

93 100

95 33.7 26.6 40.0

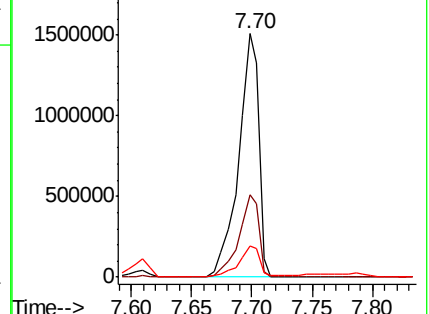
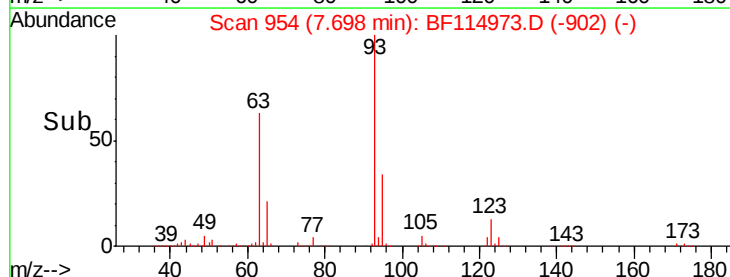
123 12.6 9.9 14.9

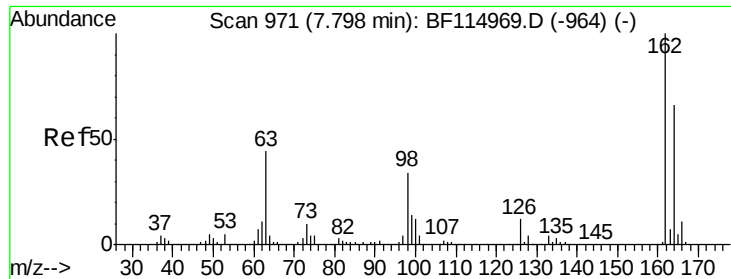


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

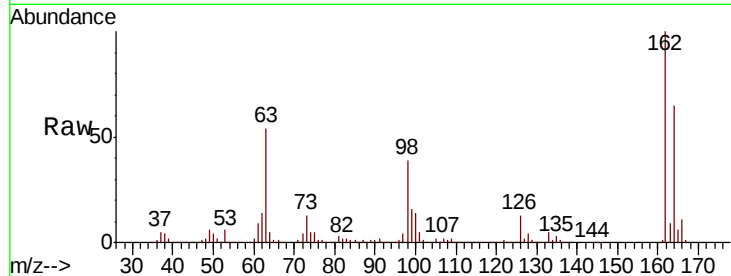




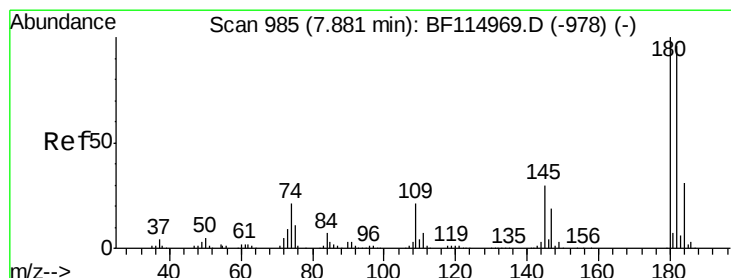
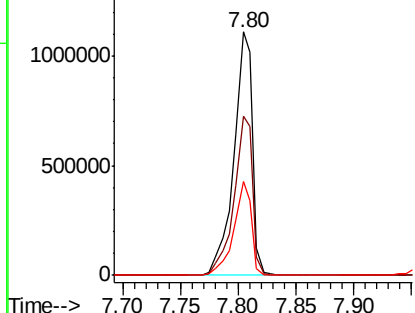
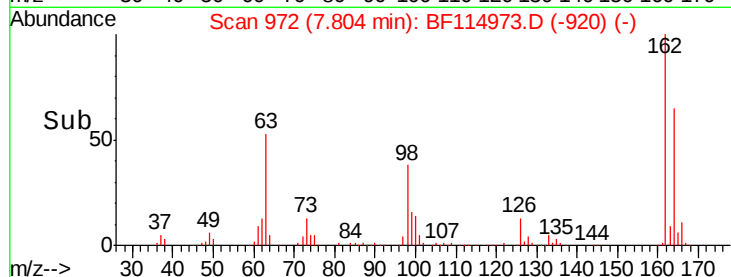
#29  
2,4-Dichlorophenol  
Concen: 85.085 ng  
RT: 7.80 min Scan# 972  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:162 Resp: 1235128  
Ion Ratio Lower Upper  
162 100  
164 65.2 45.7 85.7  
98 38.5 14.0 54.0

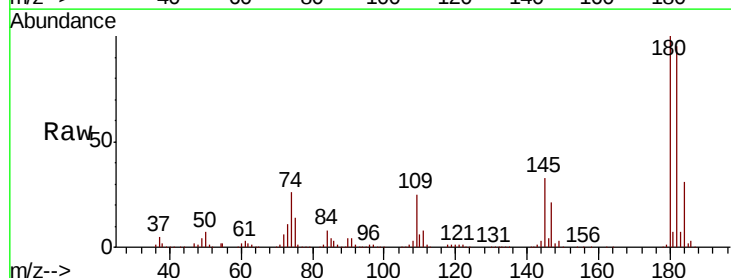


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

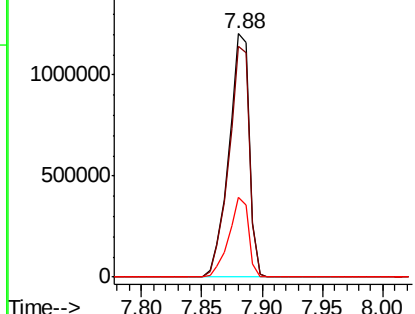
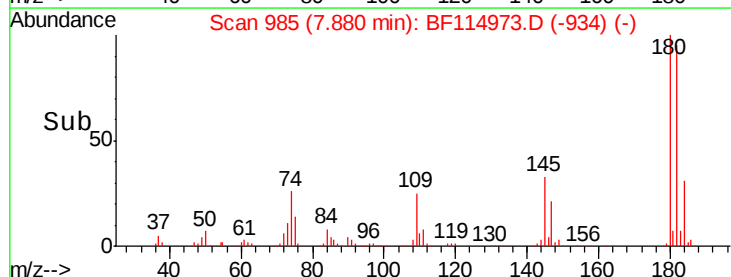


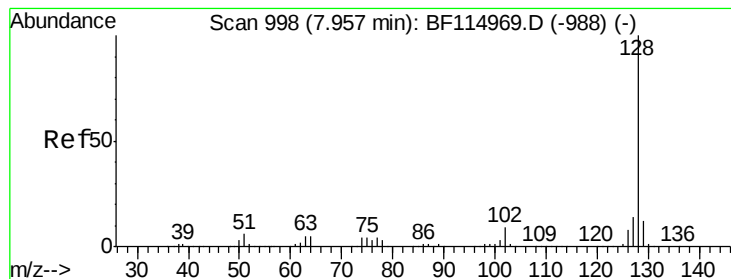
#30  
1,2,4-Trichlorobenzene  
Concen: 85.222 ng  
RT: 7.88 min Scan# 985  
Delta R.T. -0.00 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion:180 Resp: 1419762  
Ion Ratio Lower Upper  
180 100  
182 94.7 76.7 115.1  
145 32.9 24.1 36.1



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





#31

Naphthalene

Concen: 81.844 ng

RT: 7.96 min Scan# 999

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

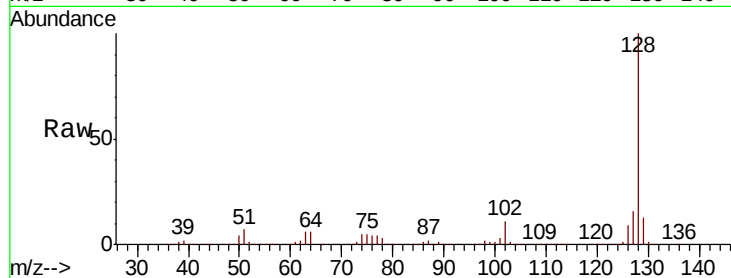
Tot Ion:128 Resp: 3797885

Ion Ratio Lower Upper

128 100

129 13.1 9.5 14.3

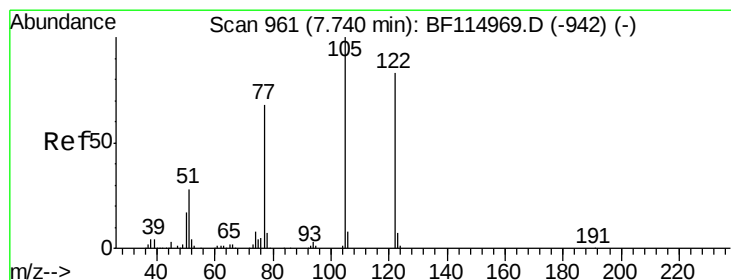
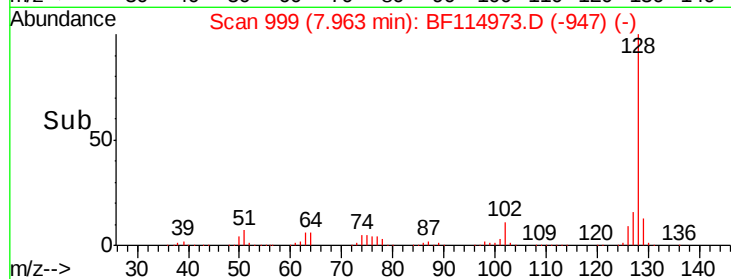
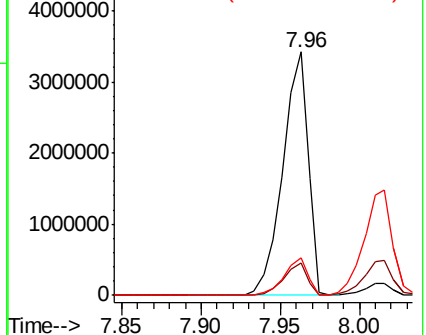
127 15.5 11.5 17.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 103.303 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.05 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

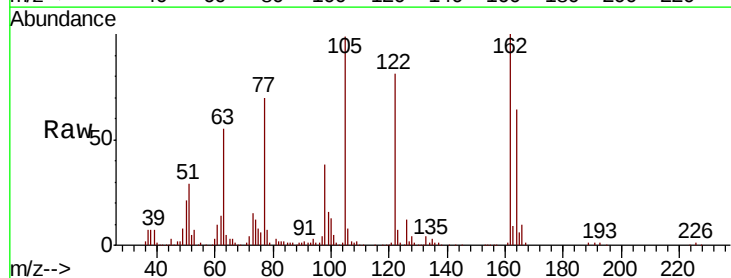
Tgt Ion:122 Resp: 1069628

Ion Ratio Lower Upper

122 100

105 121.2 98.6 138.6

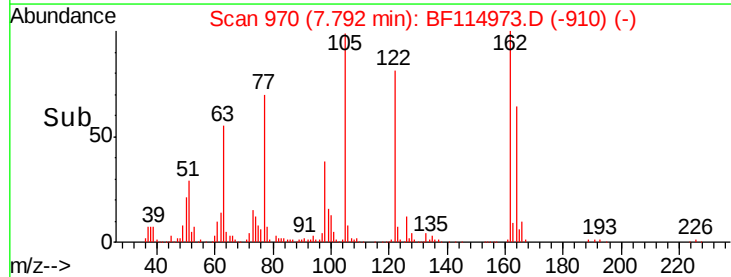
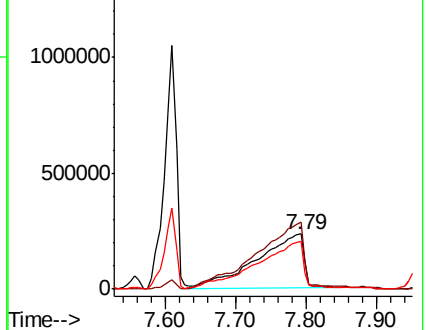
77 86.1 60.9 100.9

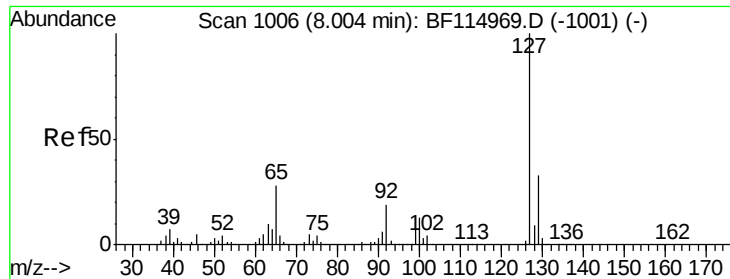


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

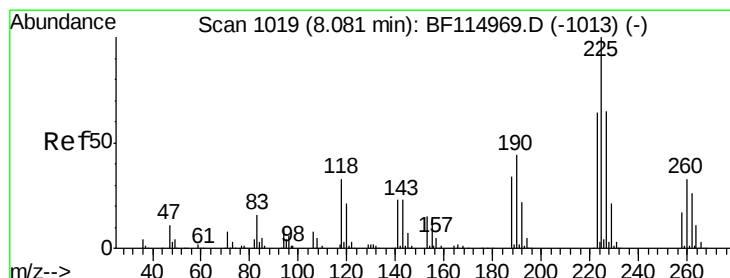
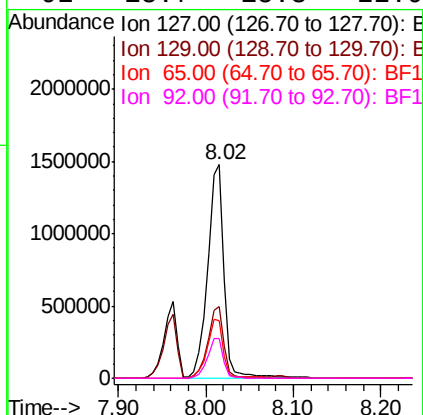
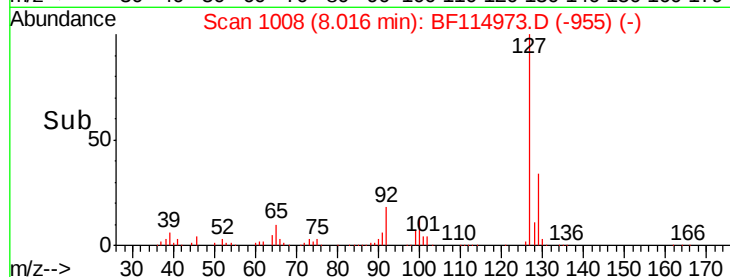
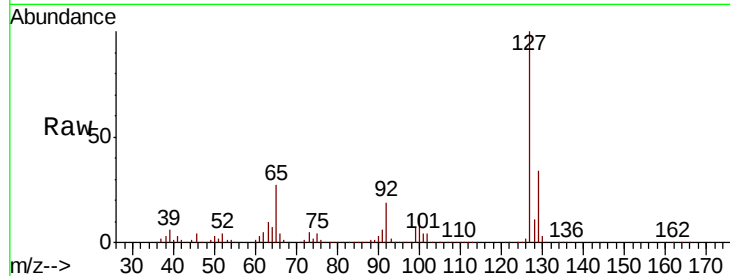




#33  
4-Chloroaniline  
Concen: 87.564 ng  
RT: 8.02 min Scan# 1008  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

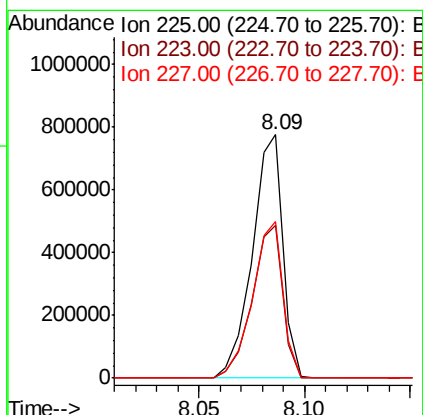
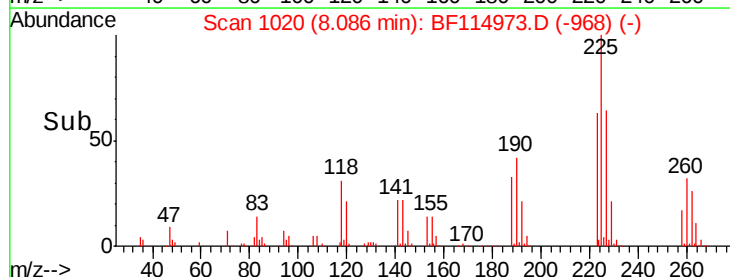
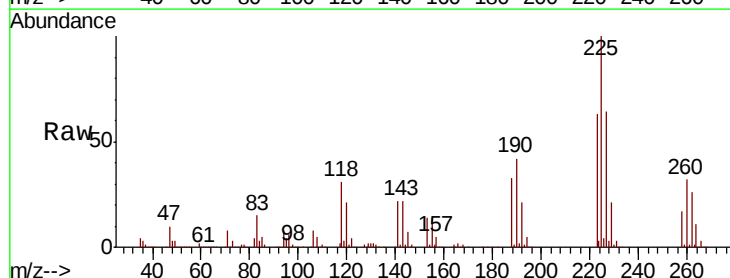
Instrument :  
BNA\_F  
ClientSampleId :

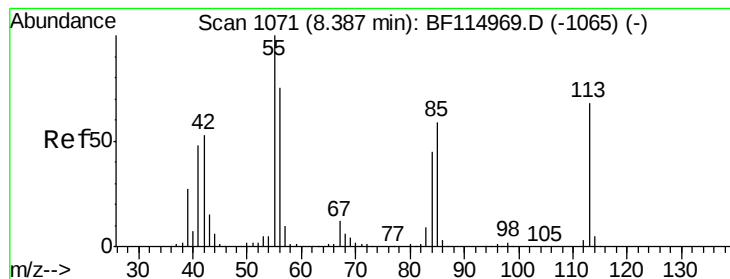
Tot Ion:127 Resp: 1917488  
Ion Ratio Lower Upper  
127 100  
129 33.7 26.1 39.1  
65 26.8 22.3 33.5  
92 18.7 15.3 22.9



#34  
Hexachlorobutadiene  
Concen: 83.431 ng  
RT: 8.09 min Scan# 1020  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion:225 Resp: 779578  
Ion Ratio Lower Upper  
225 100  
223 62.6 51.0 76.6  
227 64.4 51.7 77.5





#35

Caprolactam

Concen: 76.612 ng

RT: 8.43 min Scan# 1078

Delta R.T. 0.04 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

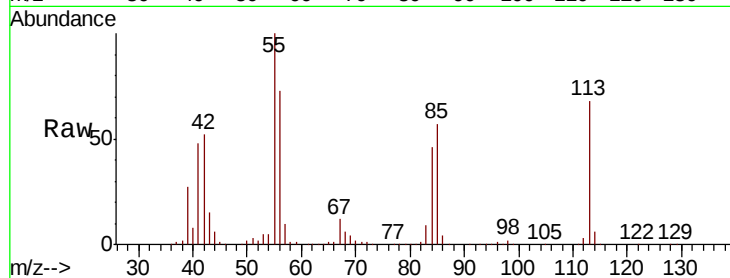
Tot Ion:113 Resp: 374625

Ion Ratio Lower Upper

113 100

55 146.0 127.3 167.3

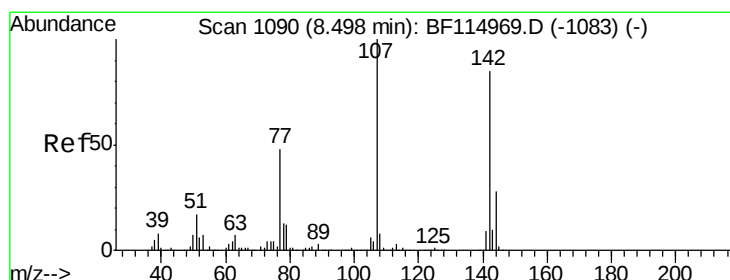
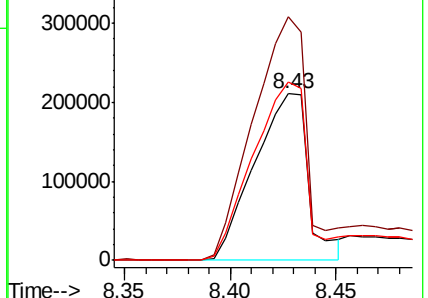
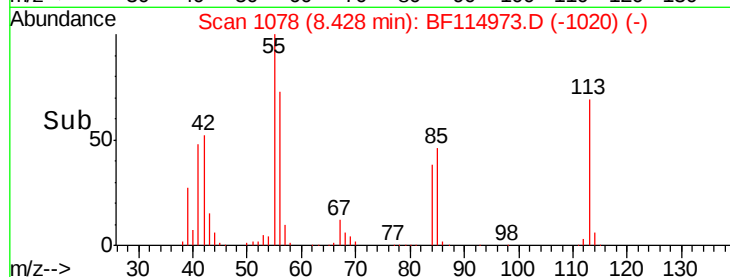
56 107.1 90.6 130.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 87.957 ng

RT: 8.51 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

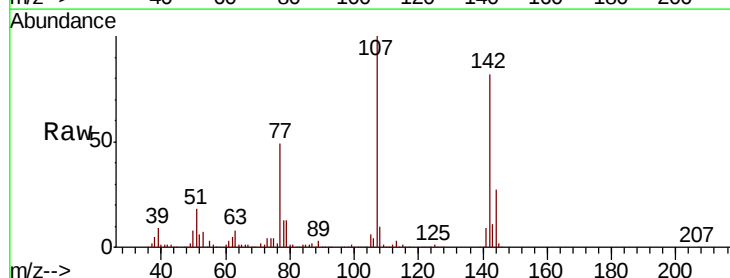
Tgt Ion:107 Resp: 1296853

Ion Ratio Lower Upper

107 100

144 26.8 22.0 33.0

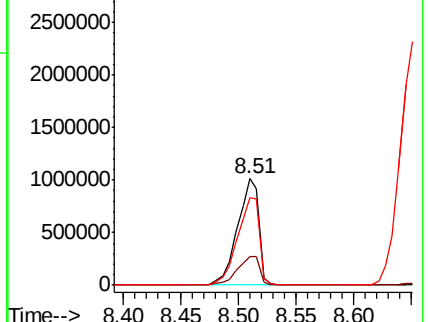
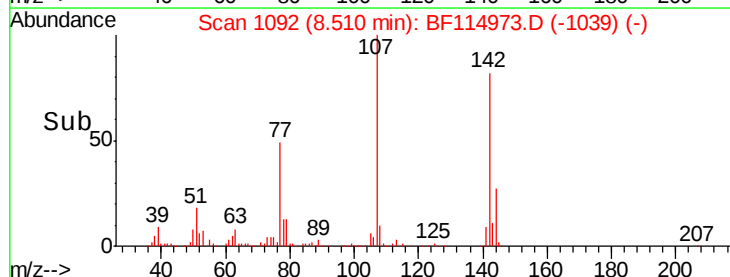
142 82.3 68.2 102.4

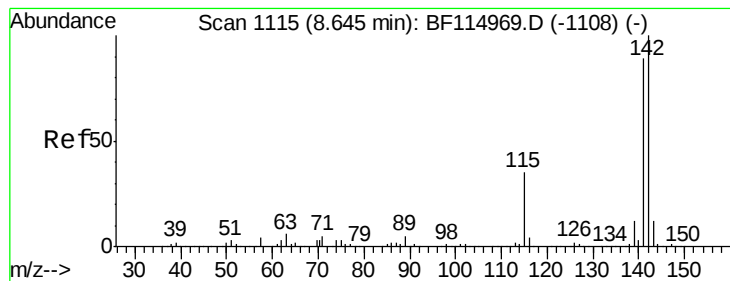


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 80.529 ng

RT: 8.65 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

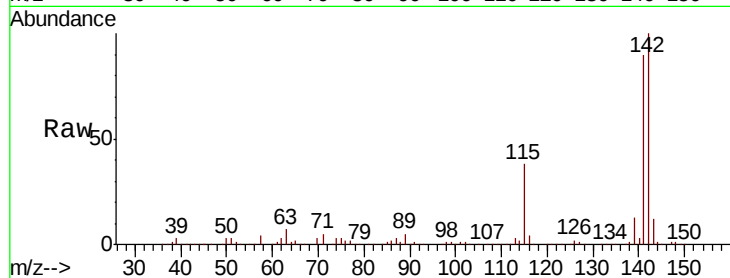
Tot Ion:142 Resp: 2539322

Ion Ratio Lower Upper

142 100

141 89.5 71.0 106.6

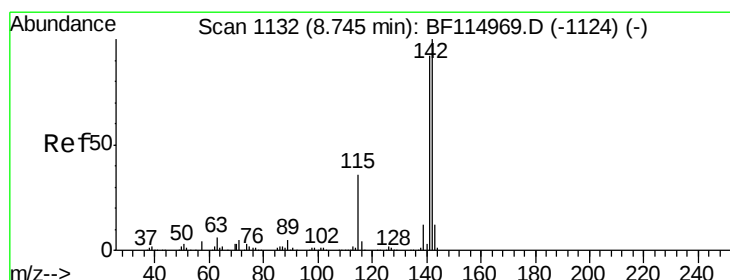
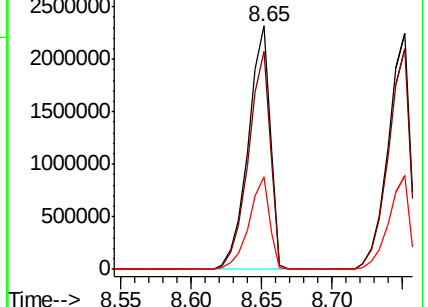
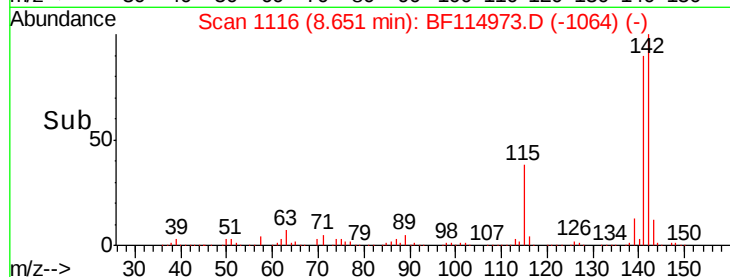
115 38.2 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 80.796 ng

RT: 8.75 min Scan# 1133

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

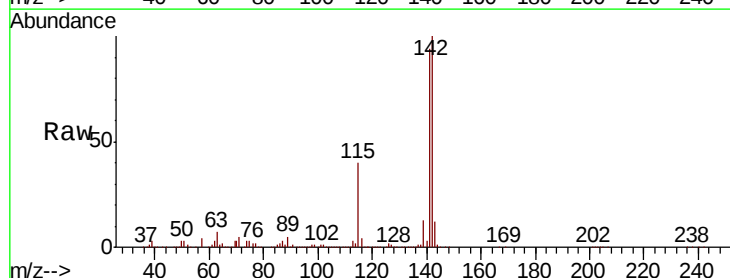
Tgt Ion:142 Resp: 2409616

Ion Ratio Lower Upper

142 100

141 93.7 73.8 110.8

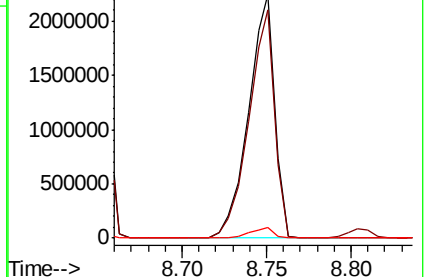
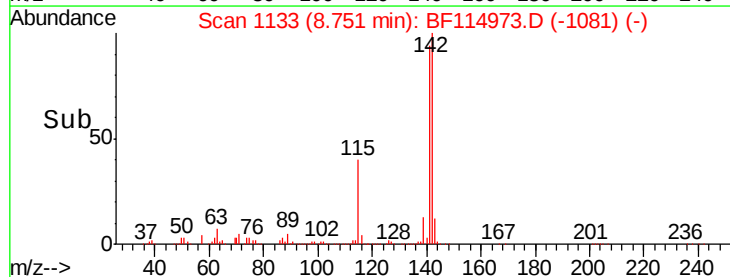
116 4.2 2.9 4.3

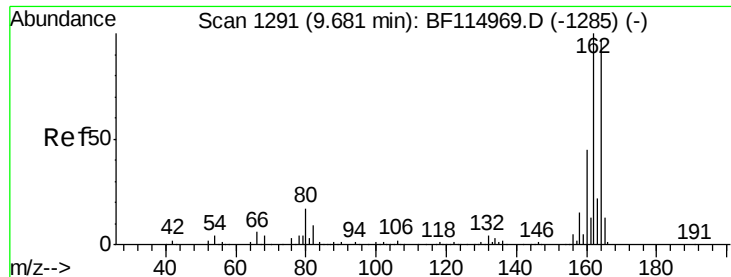


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

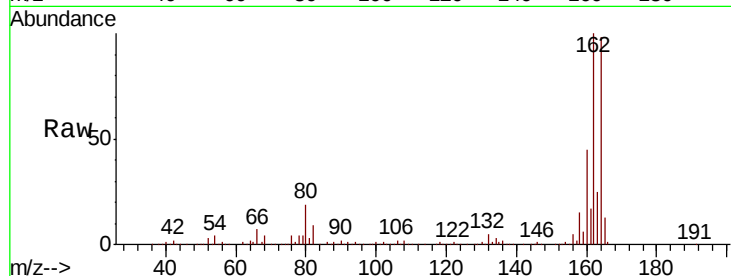




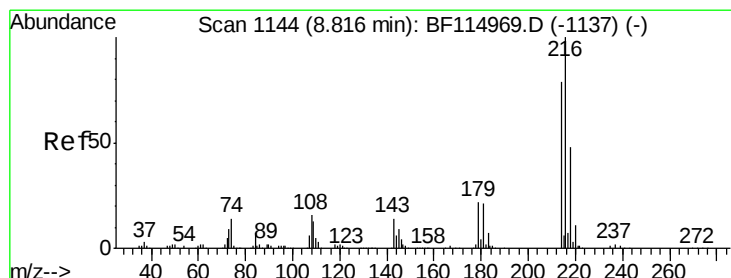
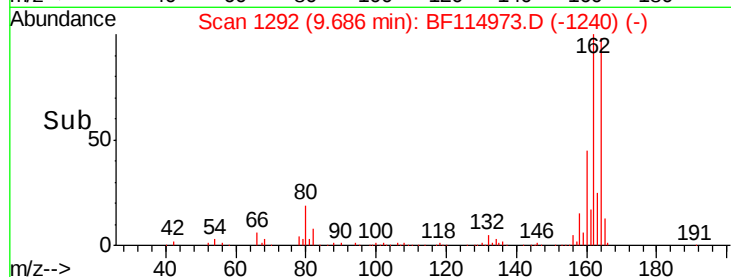
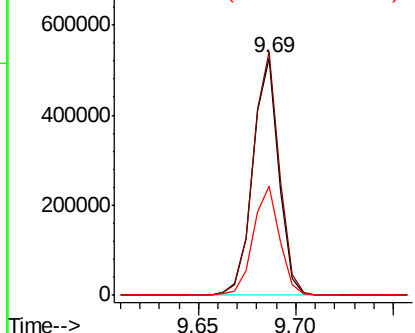
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.69 min Scan# 1292  
 Delta R.T. 0.01 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 483293  
 Ion Ratio Lower Upper  
 164 100  
 162 102.5 82.6 124.0  
 160 45.9 36.9 55.3

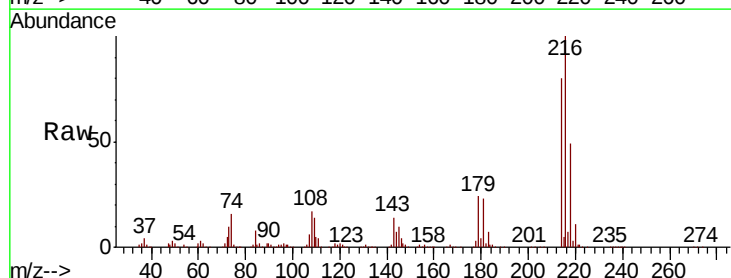


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

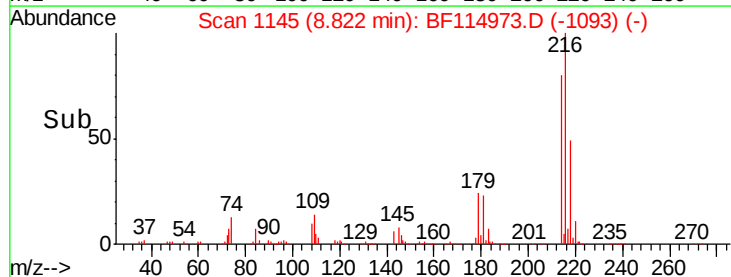
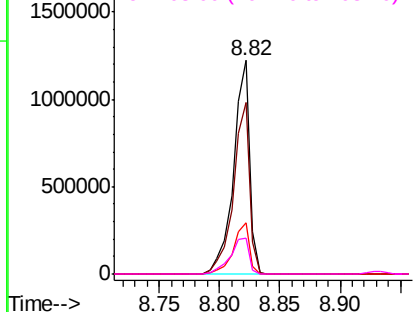


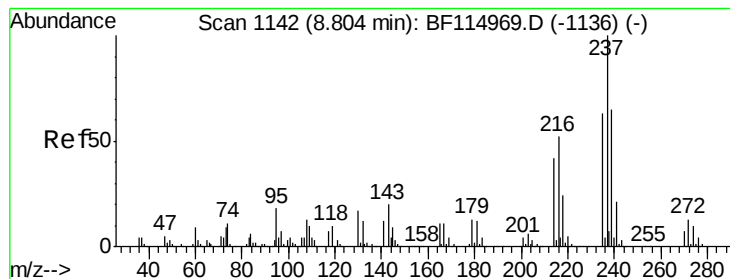
#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 81.967 ng  
 RT: 8.82 min Scan# 1145  
 Delta R.T. 0.01 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

Tgt Ion:216 Resp: 1138954  
 Ion Ratio Lower Upper  
 216 100  
 214 80.3 63.7 95.5  
 179 23.8 18.2 27.4  
 108 19.8 15.0 22.6



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





#41

Hexachlorocyclopentadiene

Concen: 84.566 ng

RT: 8.80 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

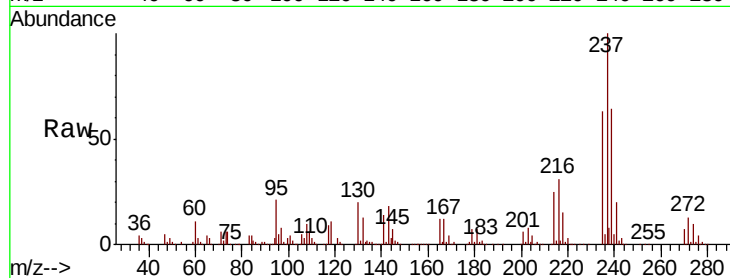
Tot Ion:237 Resp: 667939

Ion Ratio Lower Upper

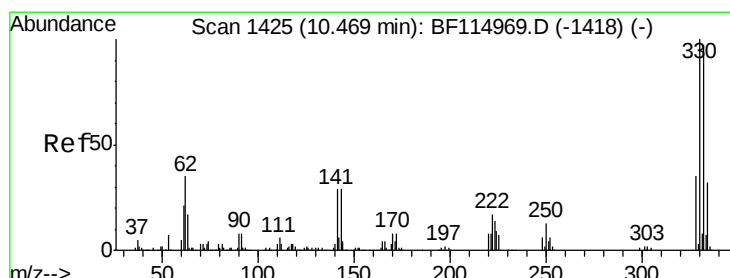
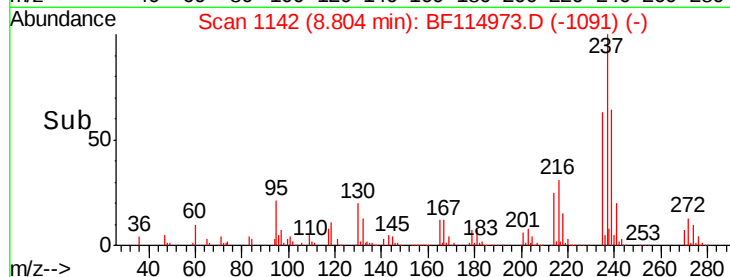
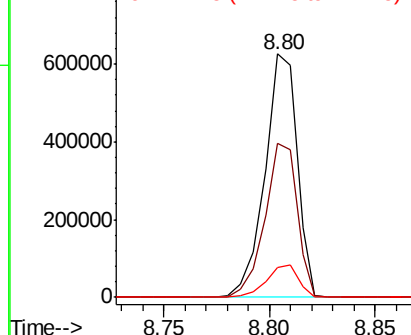
237 100

235 63.4 42.7 82.7

272 12.5 0.0 32.7



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



#42

2,4,6-Tribromophenol

Concen: 164.119 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

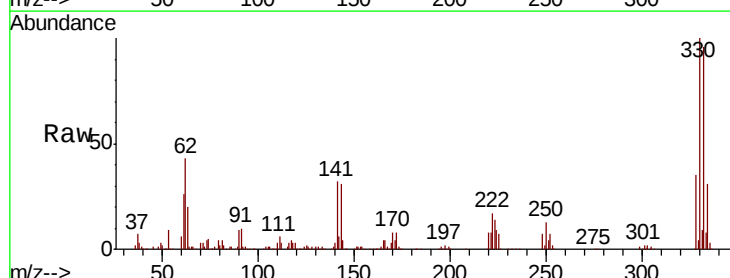
Tgt Ion:330 Resp: 862827

Ion Ratio Lower Upper

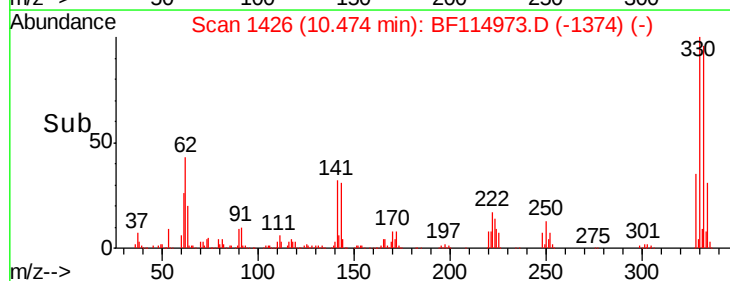
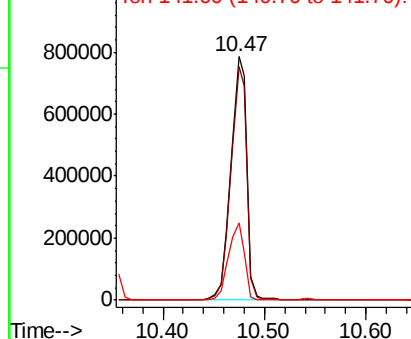
330 100

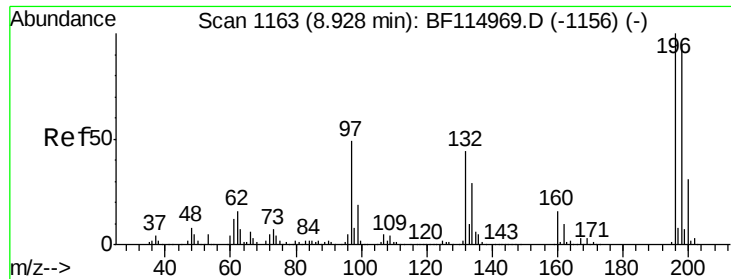
332 95.9 77.6 116.4

141 32.2 27.2 40.8



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

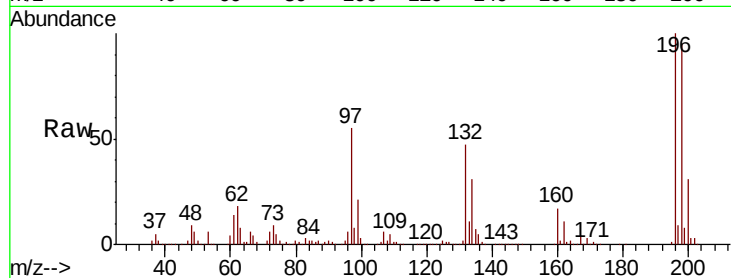




#43  
 2,4,6-Trichlorophenol  
 Concen: 89.624 ng  
 RT: 8.93 min Scan# 1164  
 Delta R.T. 0.01 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion   | 196   | Resp  | 945650 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 95.5  | 75.8  | 113.8  |
| 200       | 30.7  | 24.9  | 37.3   |

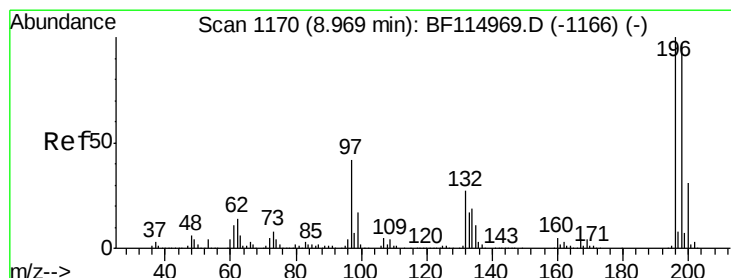
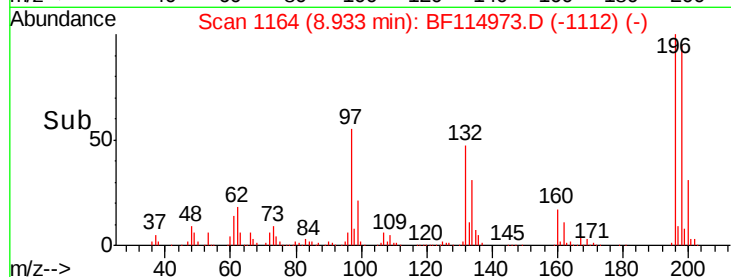
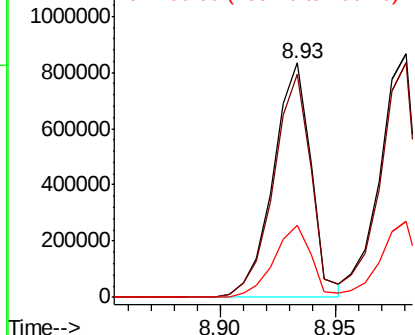


Abundance

Ion 196.00 (195.70 to 196.70): E

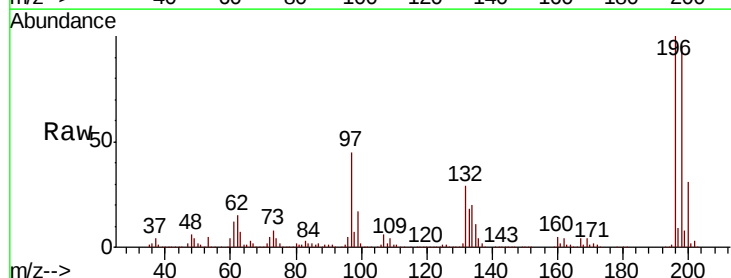
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 86.169 ng  
 RT: 8.98 min Scan# 1172  
 Delta R.T. 0.01 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

| Tgt Ion   | 196   | Resp  | 937478 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 96.1  | 77.3  | 115.9  |
| 97        | 44.8  | 34.2  | 51.4   |
| 132       | 29.4  | 22.1  | 33.1   |



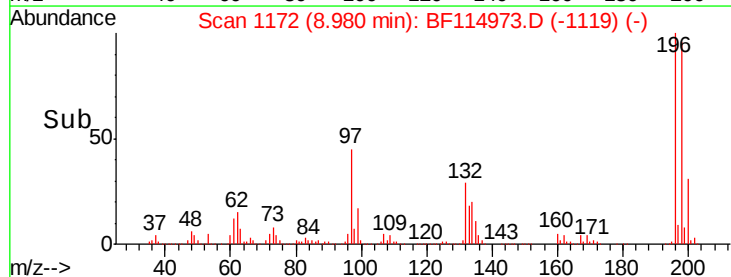
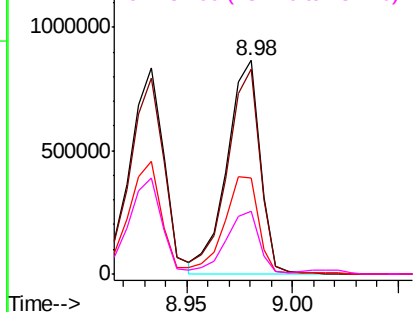
Abundance

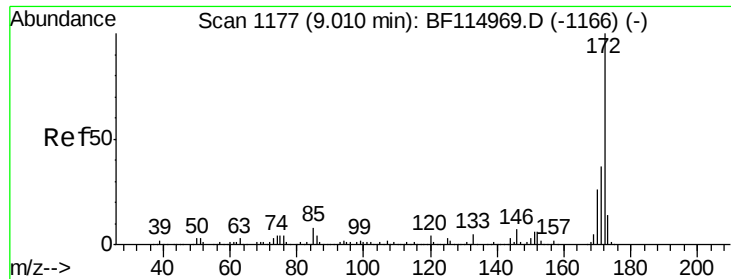
Ion 196.00 (195.70 to 196.70): E

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



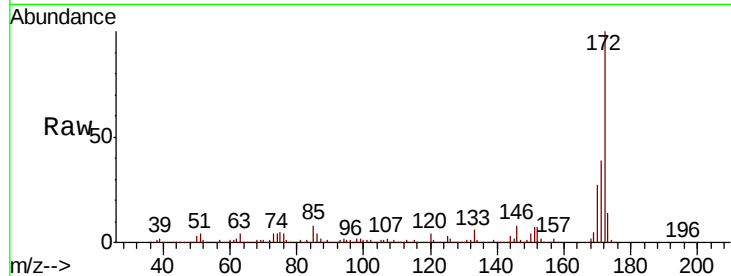


#45  
 2-Fluorobiphenyl  
 Concen: 142.842 ng  
 RT: 9.02 min Scan# 1179  
 Delta R.T. 0.01 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

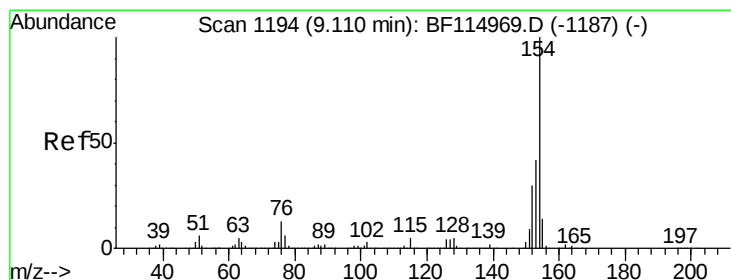
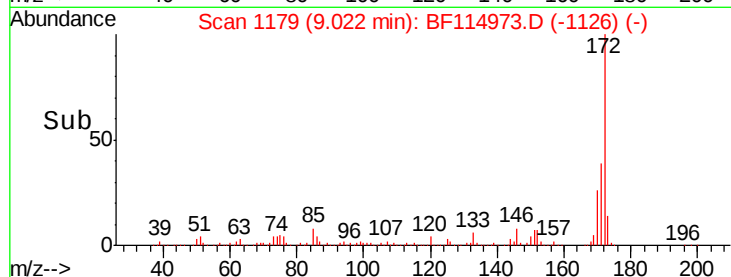
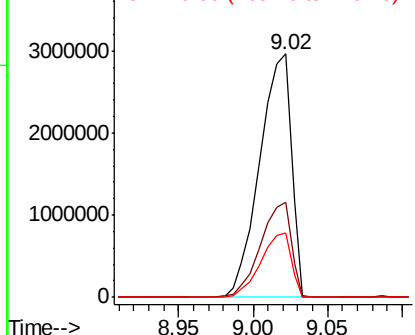
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 4349815  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 38.9  | 29.8  | 44.6  |
| 170 | 26.5  | 20.6  | 31.0  |



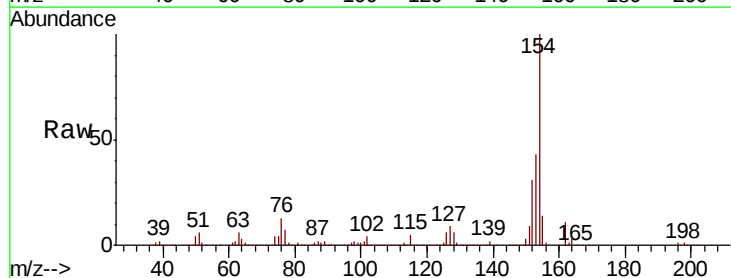
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



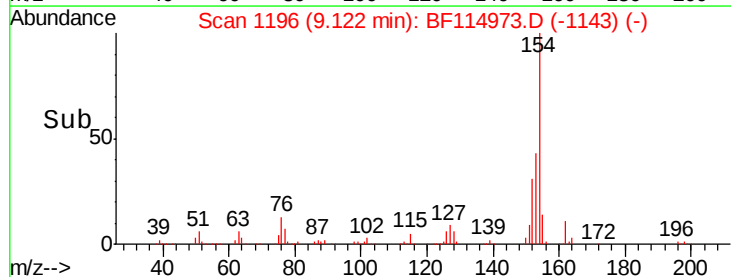
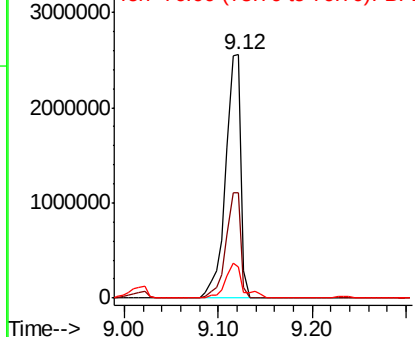
#46  
 1,1'-Biphenyl  
 Concen: 79.197 ng  
 RT: 9.12 min Scan# 1196  
 Delta R.T. 0.01 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

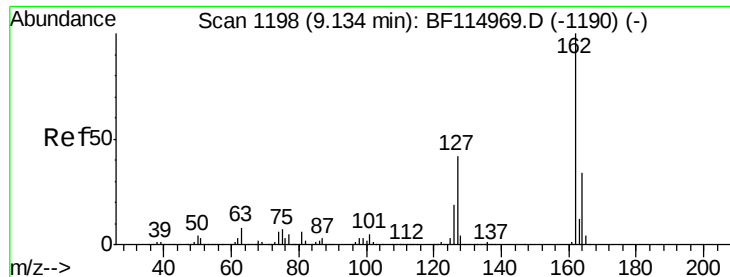
Tgt Ion:154 Resp: 2863534  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 43.3  | 22.4  | 62.4  |
| 76  | 12.6  | 0.0   | 33.3  |



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





#47

2-Chloronaphthalene

Concen: 82.786 ng

RT: 9.14 min Scan# 1199

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampled :

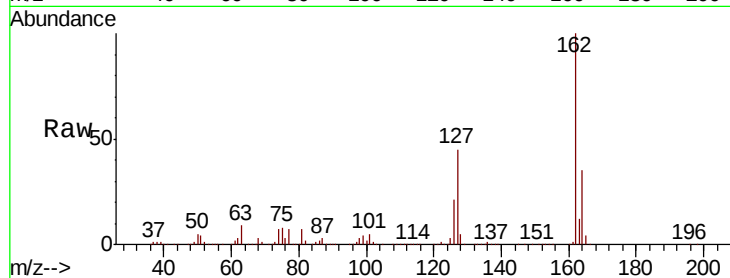
Tot Ion:162 Resp: 2526836

Ion Ratio Lower Upper

162 100

127 44.6 33.4 50.2

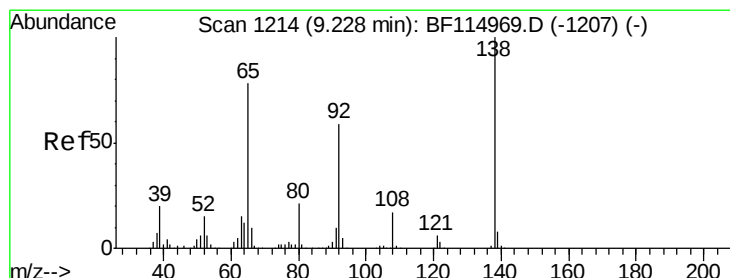
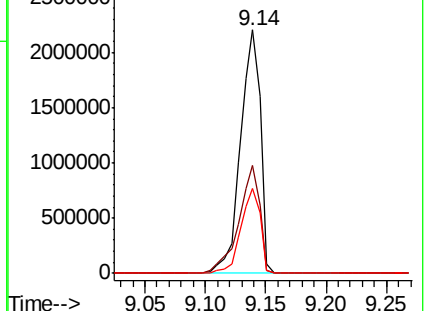
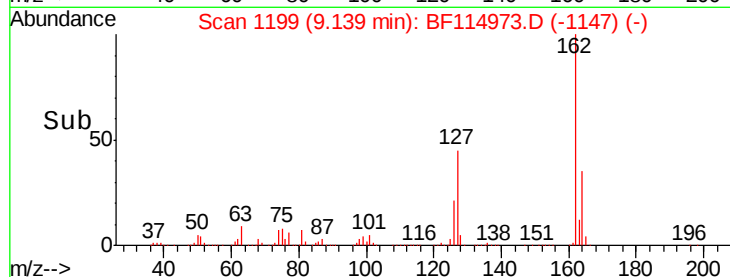
164 34.9 27.2 40.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 90.671 ng

RT: 9.24 min Scan# 1216

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

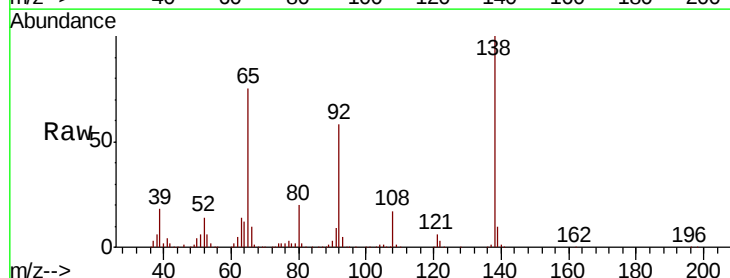
Tgt Ion: 65 Resp: 842409

Ion Ratio Lower Upper

65 100

92 76.7 60.5 90.7

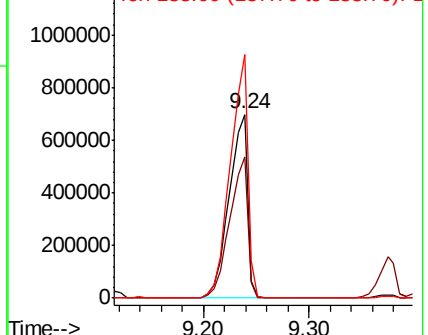
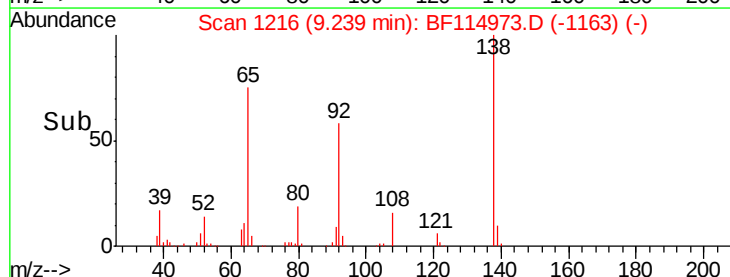
138 132.6 102.0 153.0

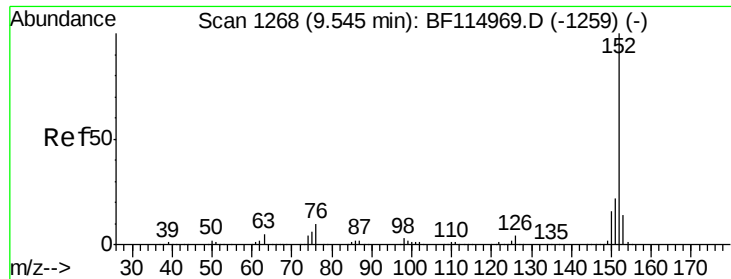


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 78.769 ng

RT: 9.55 min Scan# 1269

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

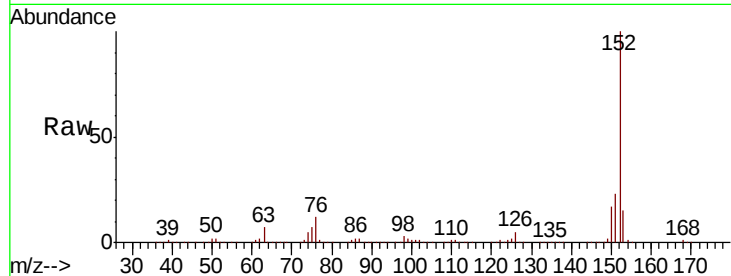
Tot Ion:152 Resp: 3542942

Ion Ratio Lower Upper

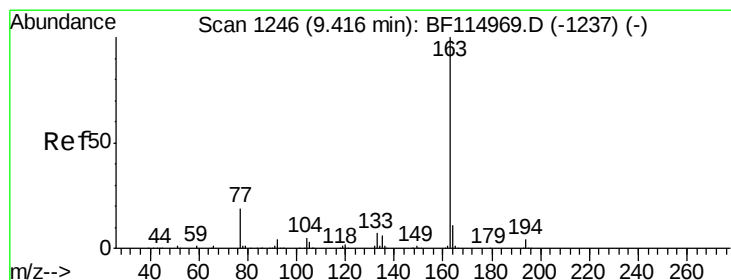
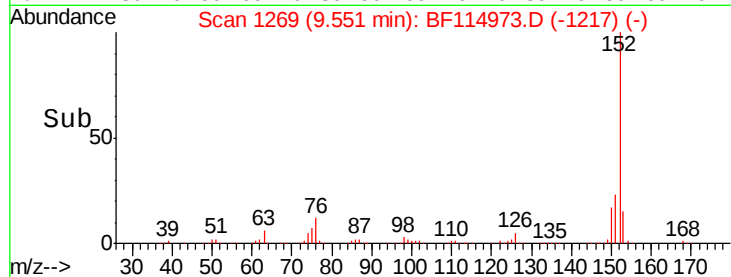
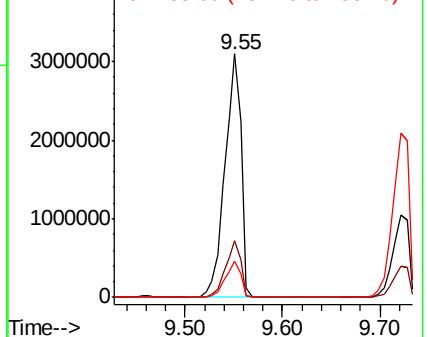
152 100

151 23.2 17.5 26.3

153 15.0 11.2 16.8



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



#50

Dimethylphthalate

Concen: 86.182 ng

RT: 9.43 min Scan# 1249

Delta R.T. 0.02 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

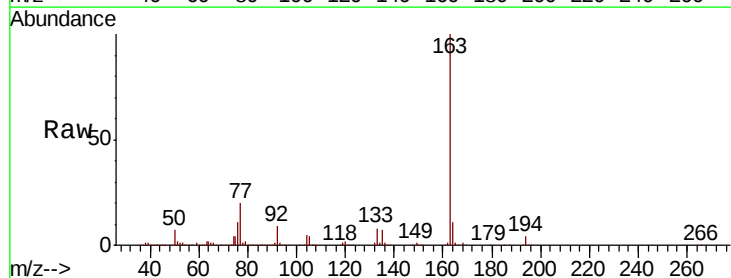
Tgt Ion:163 Resp: 3130486

Ion Ratio Lower Upper

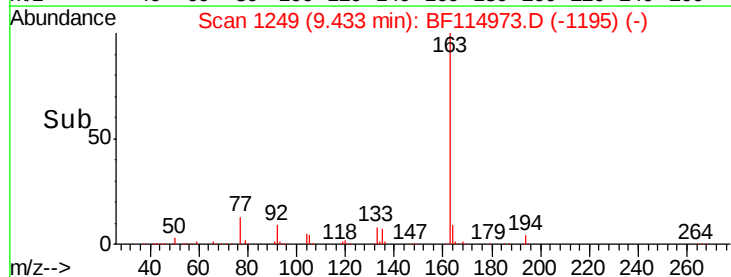
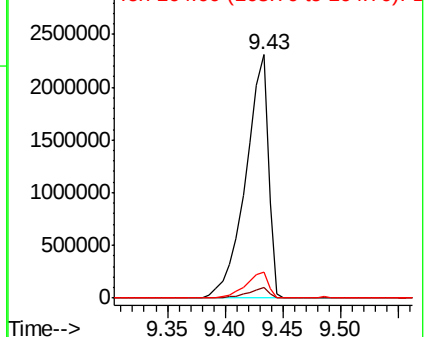
163 100

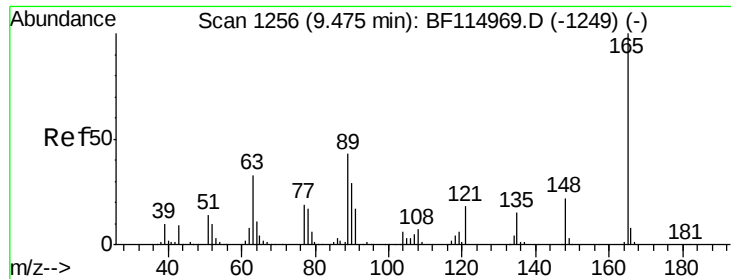
194 4.3 3.3 4.9

164 10.9 8.6 12.8



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

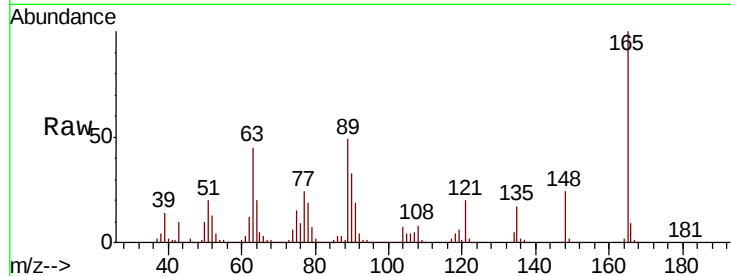




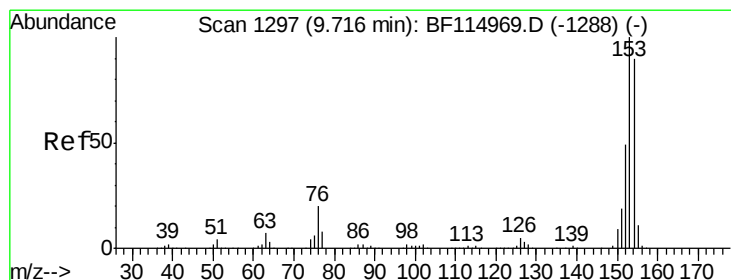
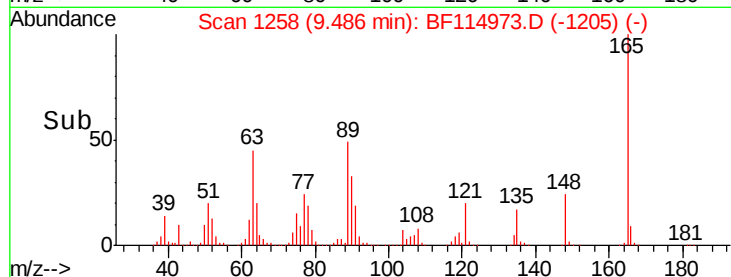
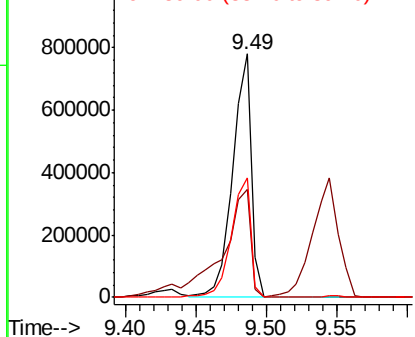
#51  
2,6-Dinitrotoluene  
Concen: 85.980 ng  
RT: 9.49 min Scan# 1258  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:165 Resp: 717331  
Ion Ratio Lower Upper  
165 100  
63 44.6 30.6 46.0  
89 49.0 34.4 51.6

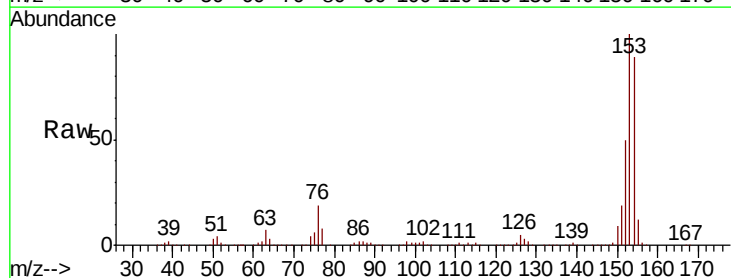


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

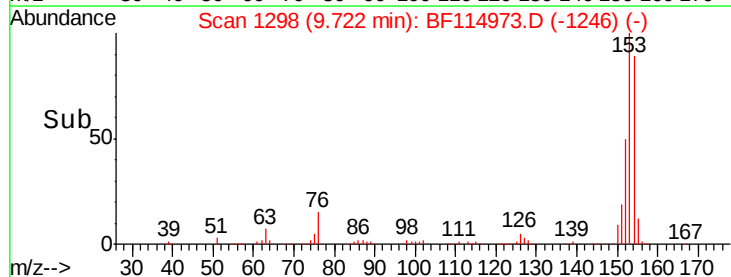
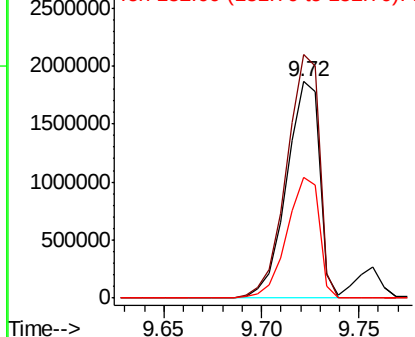


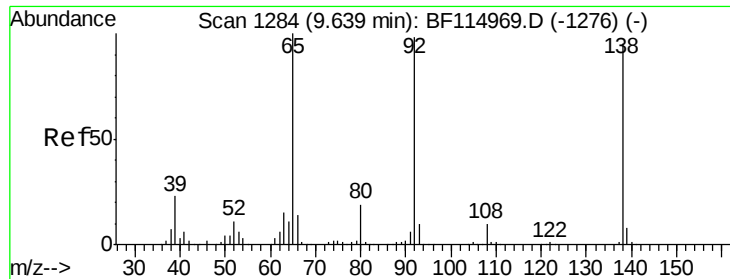
#52  
Acenaphthene  
Concen: 80.481 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion:154 Resp: 2193035  
Ion Ratio Lower Upper  
154 100  
153 112.4 88.5 132.7  
152 55.9 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

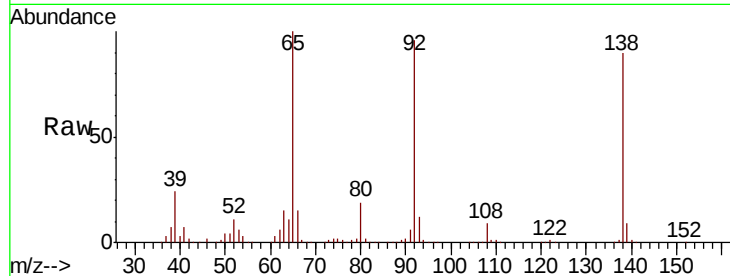




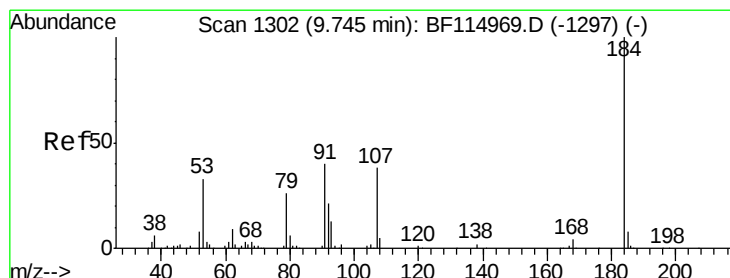
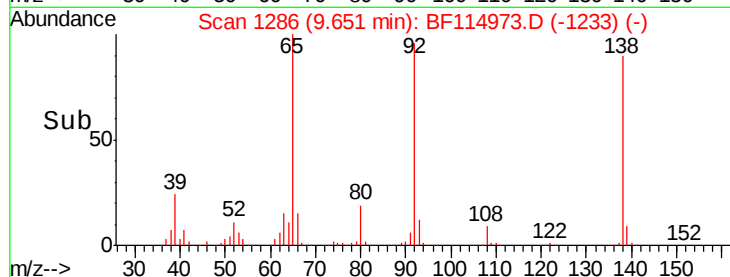
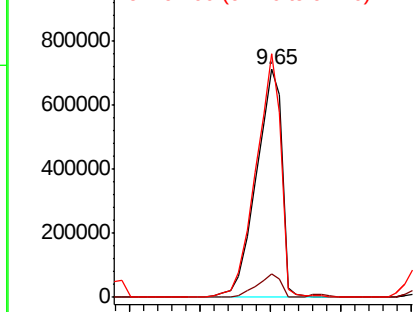
#53  
3-Nitroaniline  
Concen: 90.876 ng  
RT: 9.65 min Scan# 1286  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 910441  
Ion Ratio Lower Upper  
138 100  
108 10.4 8.0 12.0  
92 106.7 82.4 123.6

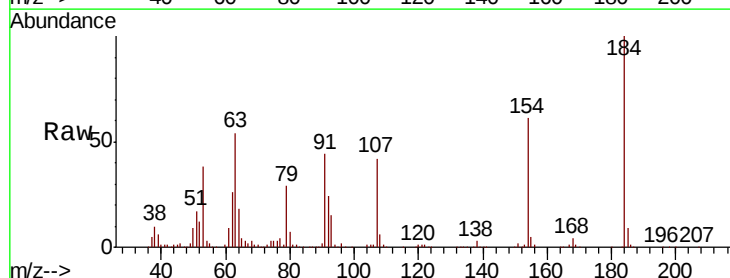


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

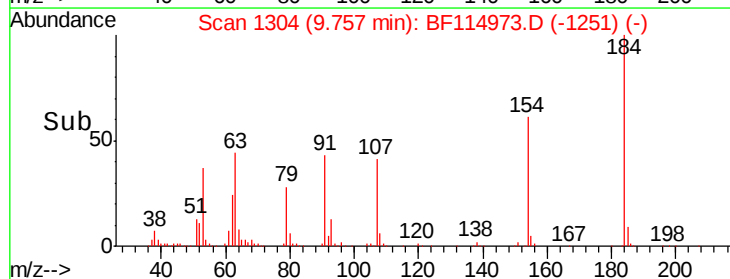
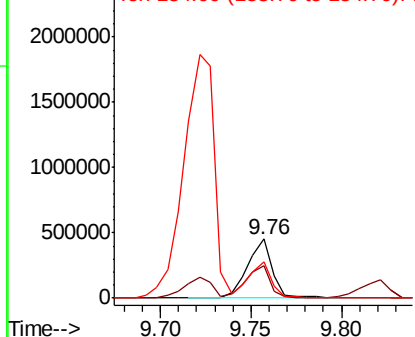


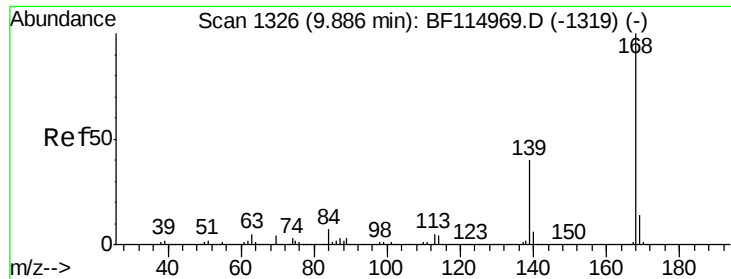
#54  
2,4-Dinitrophenol  
Concen: 104.794 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion:184 Resp: 432723  
Ion Ratio Lower Upper  
184 100  
63 53.9 40.5 60.7  
154 60.6 44.8 67.2



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

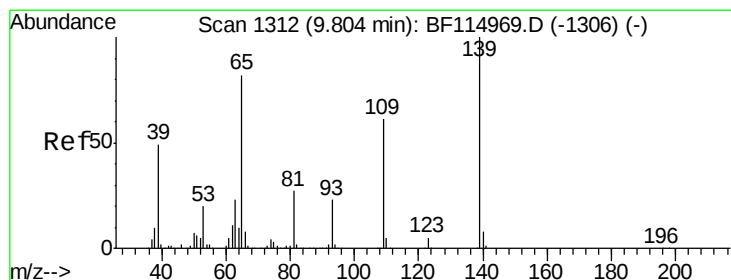
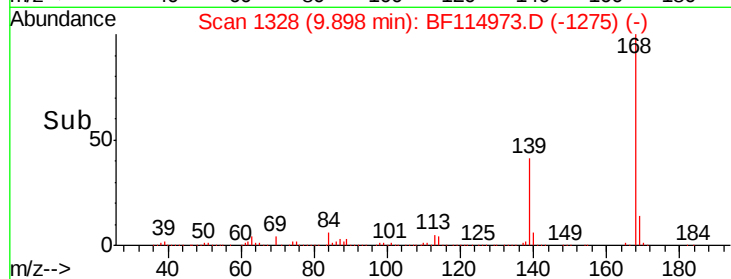
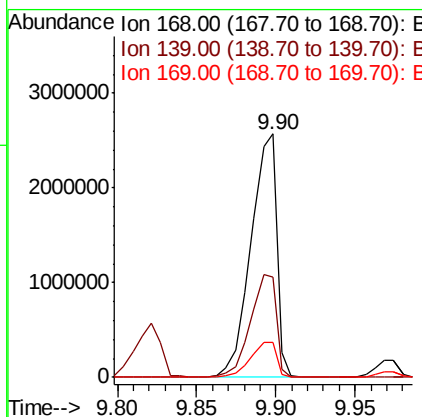
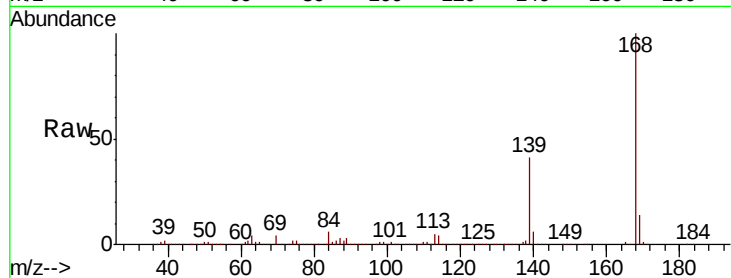




#55  
Dibenzofuran  
Concen: 75.243 ng  
RT: 9.90 min Scan# 1328  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

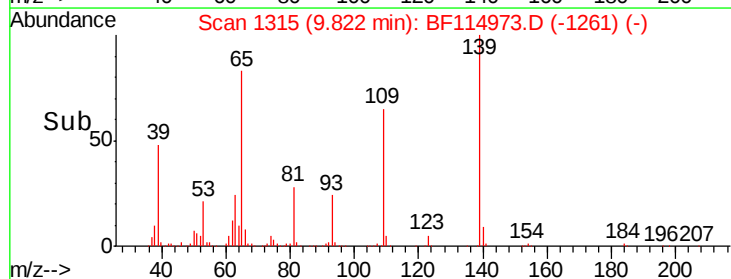
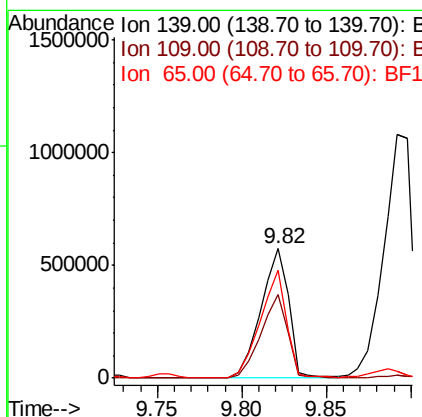
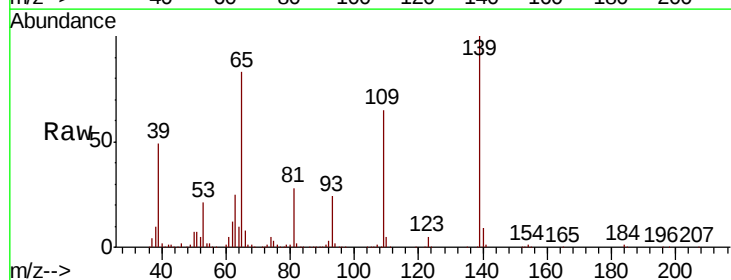
Instrument :  
BNA\_F  
ClientSampleId :

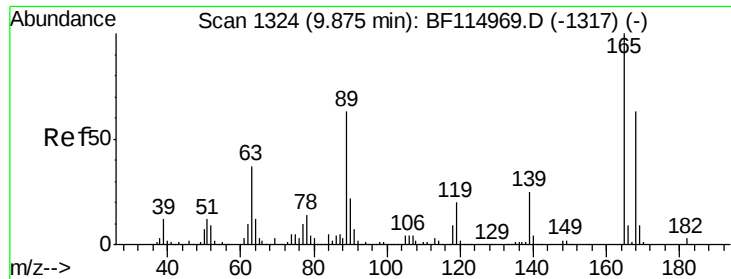
Tot Ion:168 Resp: 2926800  
Ion Ratio Lower Upper  
168 100  
139 41.4 32.5 48.7  
169 14.2 11.5 17.3



#56  
4-Nitrophenol  
Concen: 91.271 ng  
RT: 9.82 min Scan# 1315  
Delta R.T. 0.02 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion:139 Resp: 651691  
Ion Ratio Lower Upper  
139 100  
109 64.6 41.4 81.4  
65 83.1 62.7 102.7

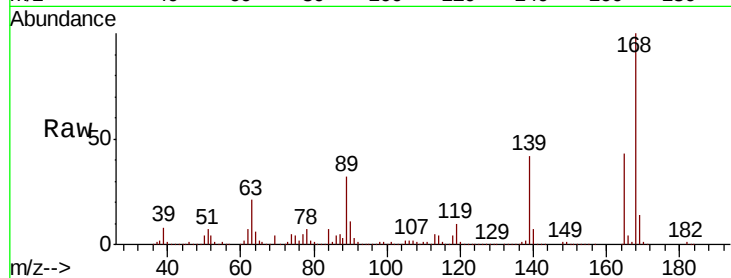




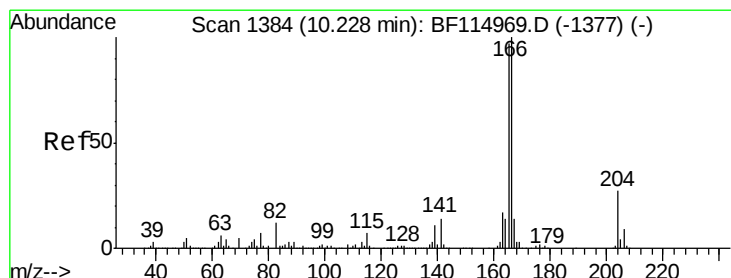
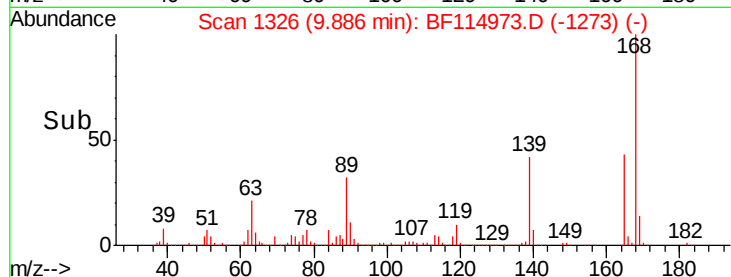
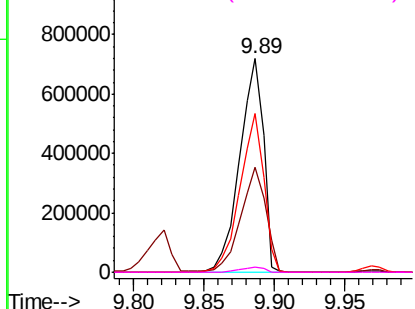
#57  
2,4-Dinitrotoluene  
Concen: 79.656 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 49.2  | 29.4  | 44.2# |
| 89      | 74.0  | 50.6  | 75.8  |
| 182     | 2.7   | 2.2   | 3.2   |

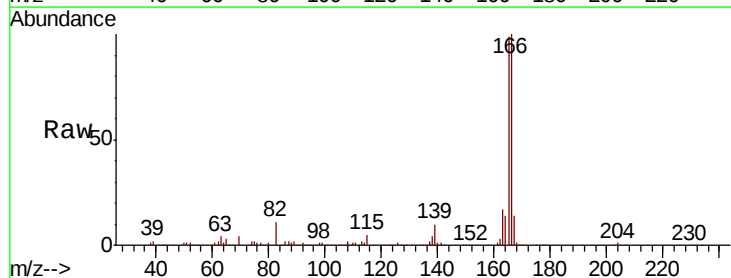


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

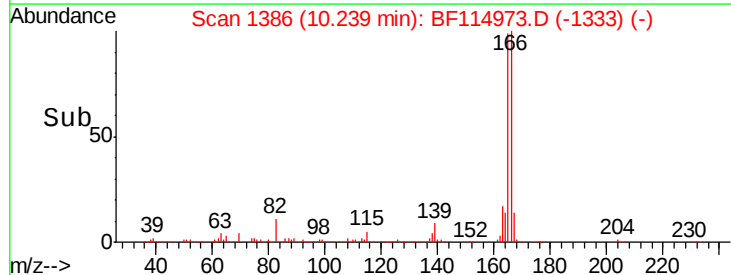
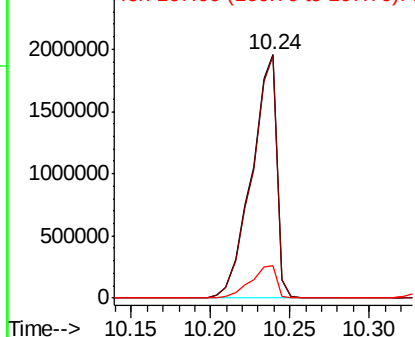


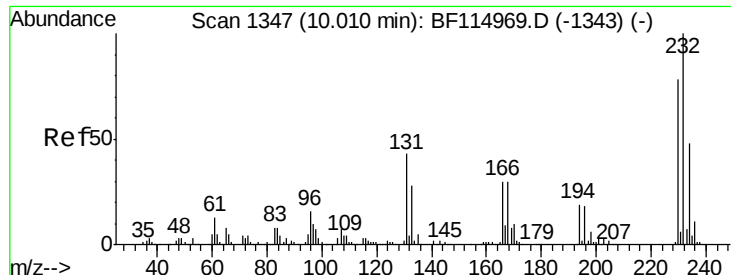
#58  
Fluorene  
Concen: 72.004 ng  
RT: 10.24 min Scan# 1386  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.4  | 77.6  | 116.4 |
| 167     | 13.5  | 11.0  | 16.4  |



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





#59

2,3,4,6-Tetrachlorophenol

Concen: 83.774 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampled :

Tot Ion:232 Resp: 736808

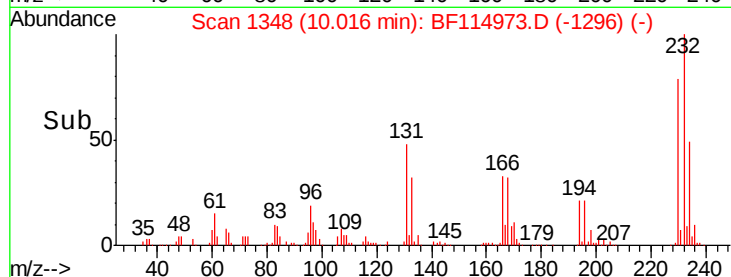
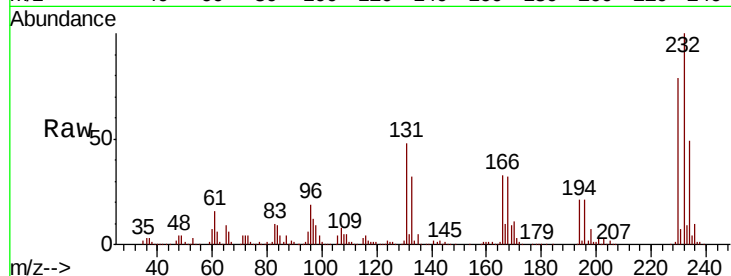
Ion Ratio Lower Upper

232 100

131 48.2 36.9 55.3

130 2.3 1.8 2.6

166 32.1 24.8 37.2

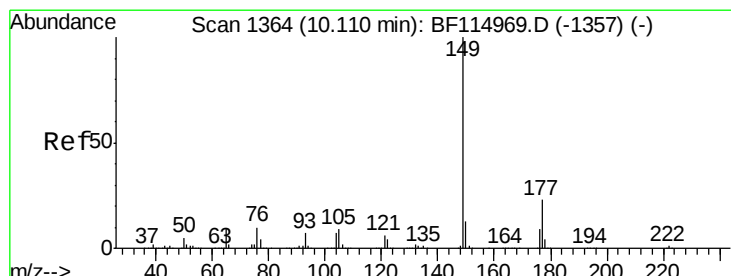
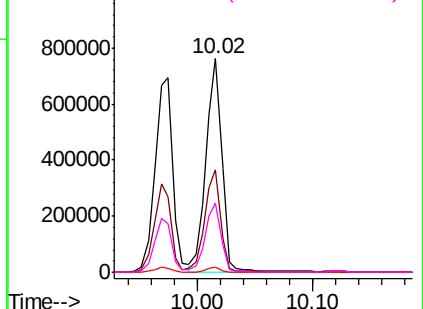


Abundance Ion 232.00 (231.70 to 232.70): E

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: 81.338 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

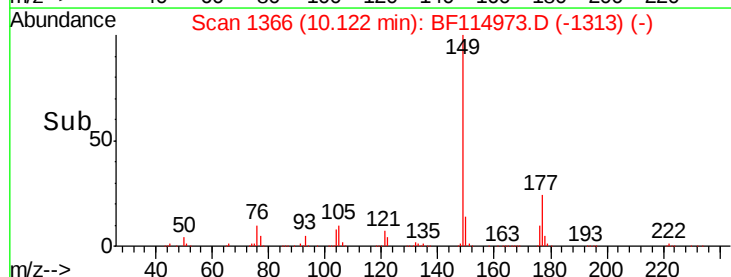
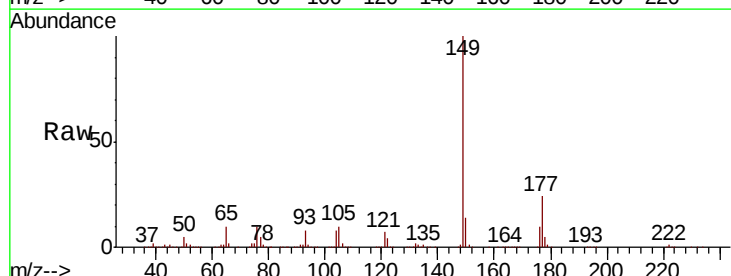
Tgt Ion:149 Resp: 2871561

Ion Ratio Lower Upper

149 100

177 23.8 18.6 27.8

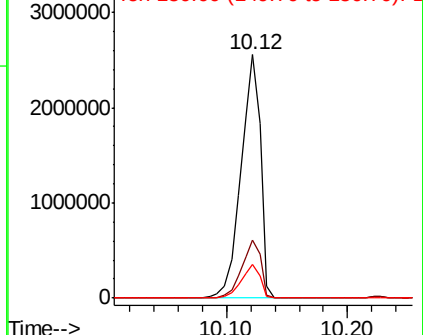
150 13.6 10.5 15.7

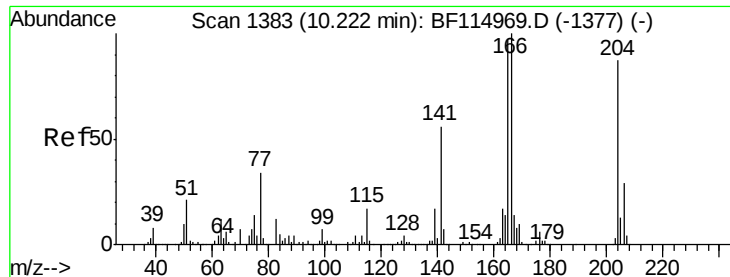


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

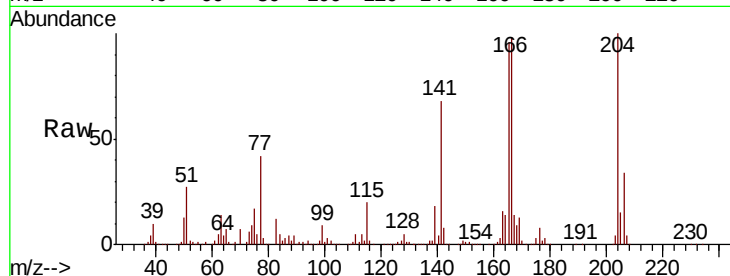




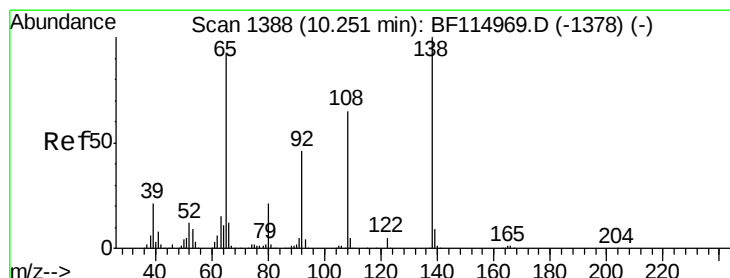
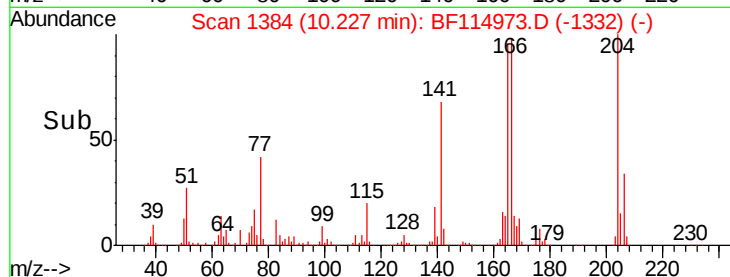
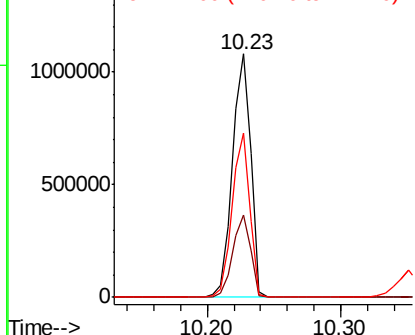
#61  
4-Chlorophenyl-phenylether  
Concen: 69.755 ng  
RT: 10.23 min Scan# 1384  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:204 Resp: 1047098  
Ion Ratio Lower Upper  
204 100  
206 33.7 26.5 39.7  
141 67.6 51.8 77.8

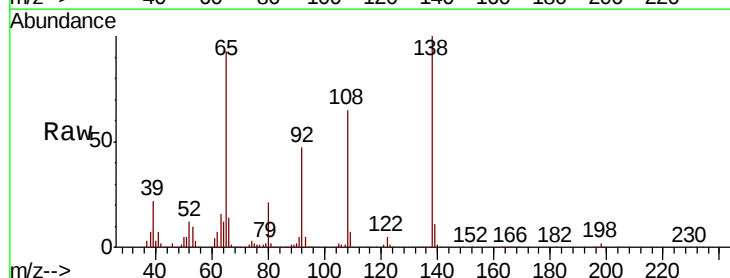


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

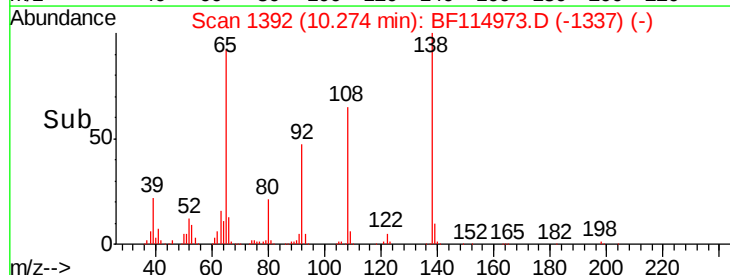
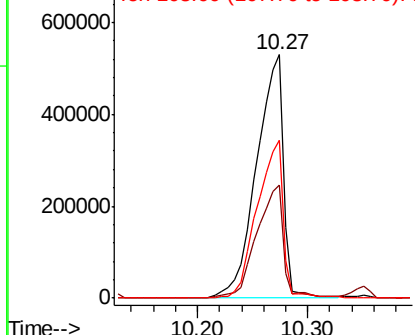


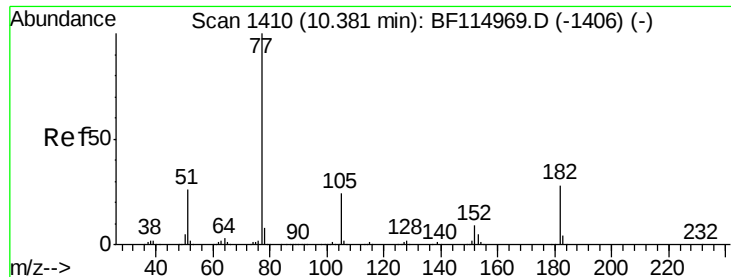
#62  
4-Nitroaniline  
Concen: 88.578 ng  
RT: 10.27 min Scan# 1392  
Delta R.T. 0.02 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion:138 Resp: 909452  
Ion Ratio Lower Upper  
138 100  
92 46.7 25.7 65.7  
108 64.9 44.6 84.6



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

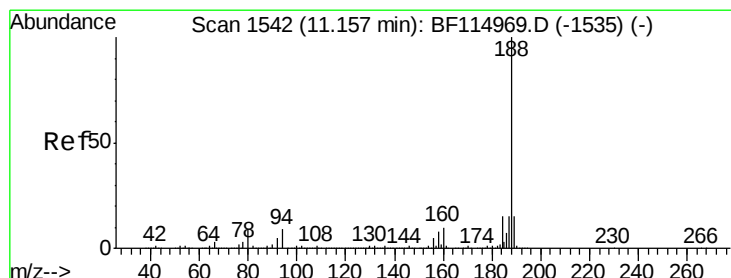
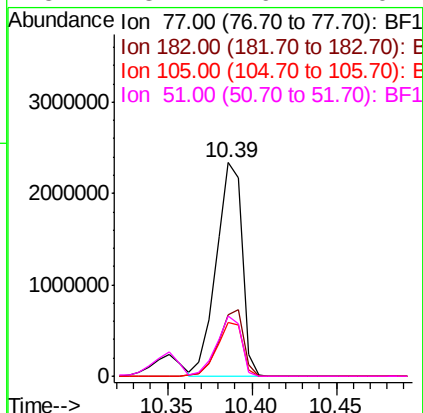
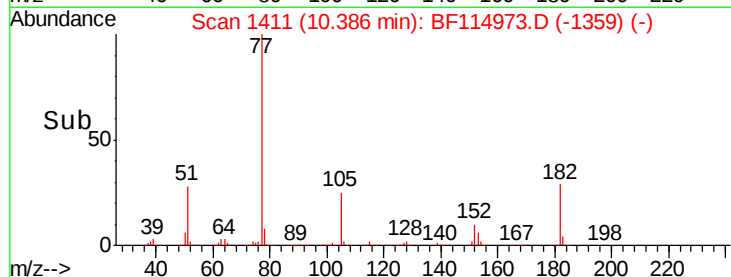
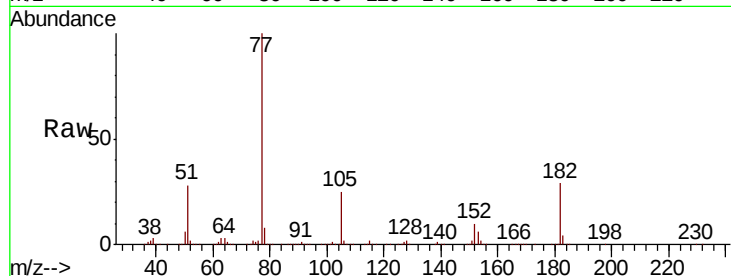




#63  
Azobenzene  
Concen: 80.914 ng  
RT: 10.39 min Scan# 1411  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

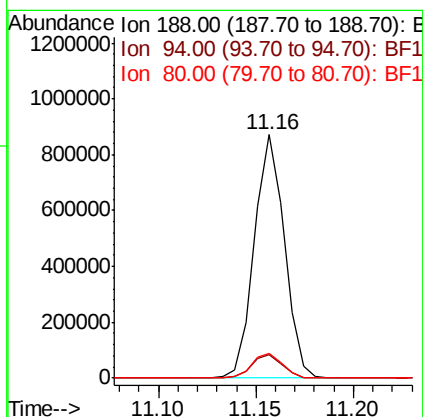
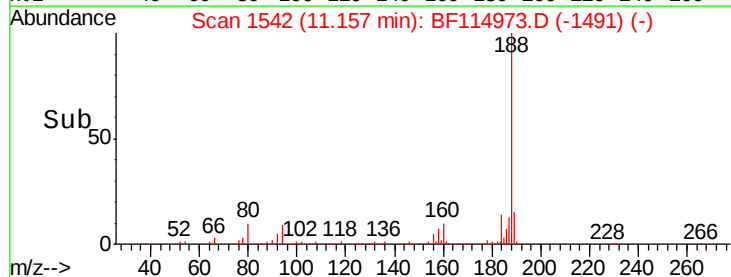
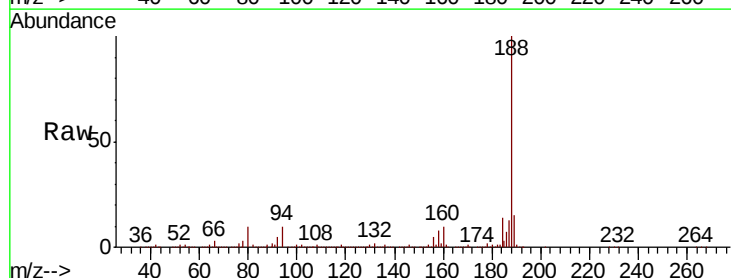
Instrument :  
BNA\_F  
ClientSampleId :

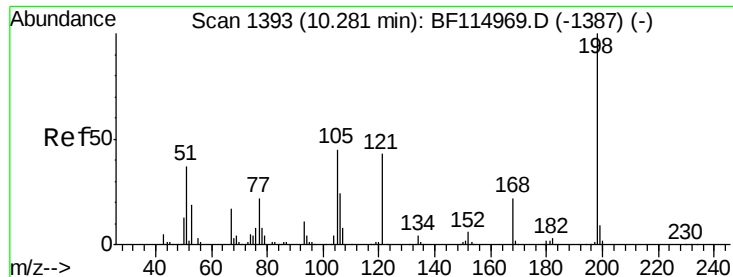
Tot Ion: 77 Resp: 2486343  
Ion Ratio Lower Upper  
77 100  
182 28.9 7.4 47.4  
105 25.1 4.2 44.2  
51 28.1 6.2 46.2



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.16 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion: 188 Resp: 929550  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.2 10.8  
80 10.3 7.4 11.2





#65

4,6-Dinitro-2-methylphenol

Concen: 99.929 ng

RT: 10.30 min Scan# 1396

Delta R.T. 0.02 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

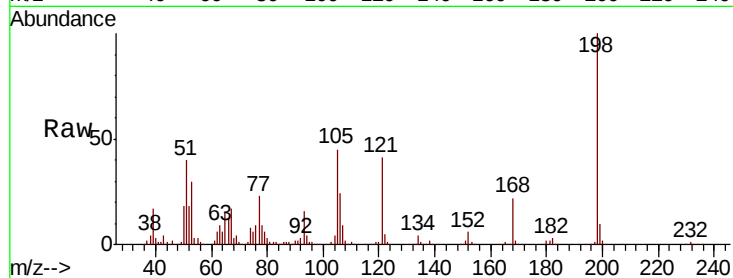
Tot Ion:198 Resp: 520921

Ion Ratio Lower Upper

198 100

51 40.1 23.0 63.0

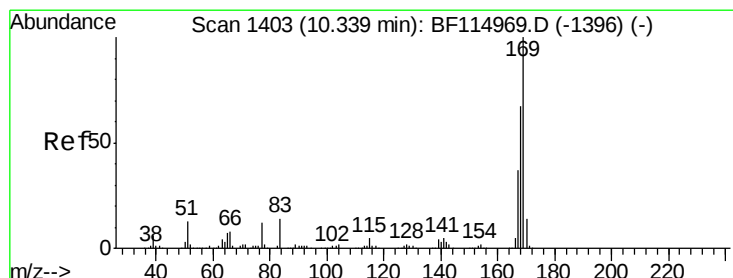
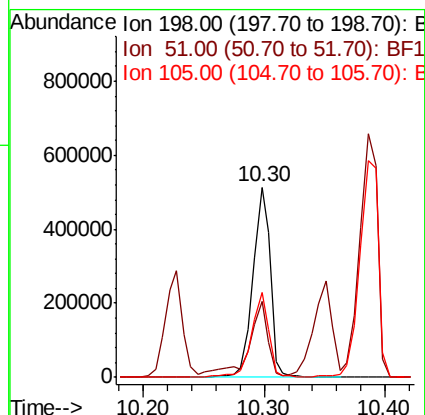
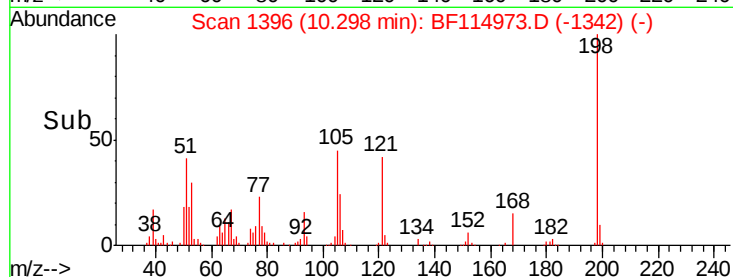
105 44.5 26.5 66.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 82.579 ng

RT: 10.35 min Scan# 1405

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

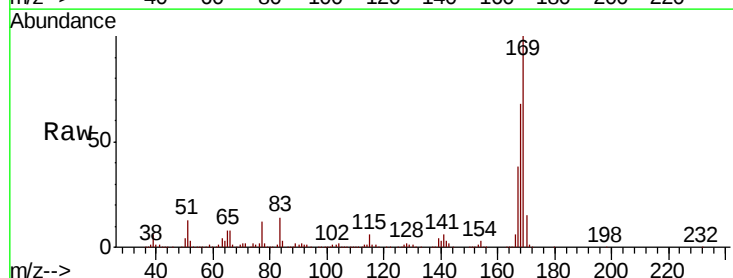
Tgt Ion:169 Resp: 2280551

Ion Ratio Lower Upper

169 100

168 68.4 53.6 80.4

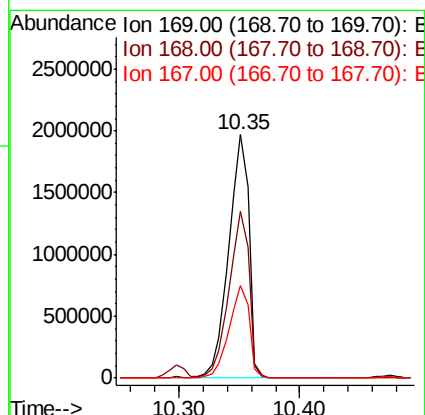
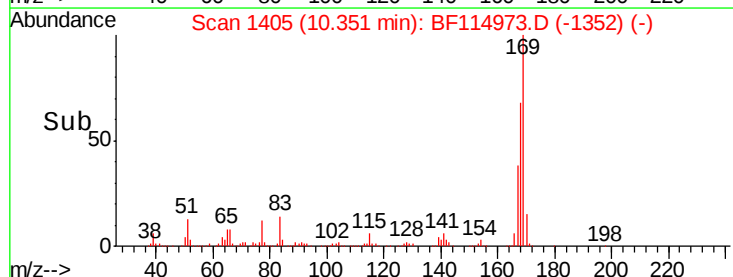
167 38.2 29.6 44.4

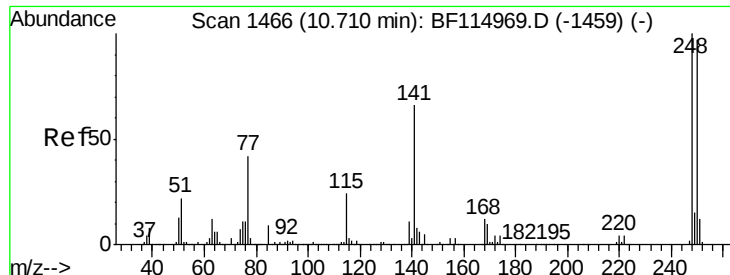


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

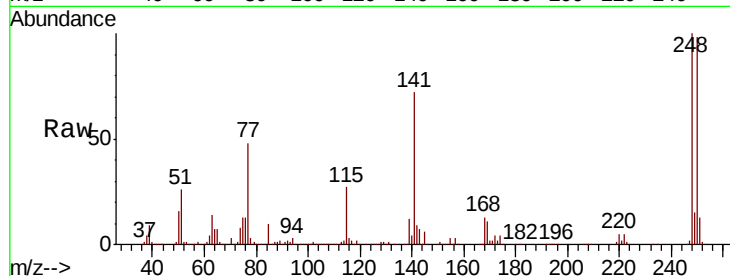




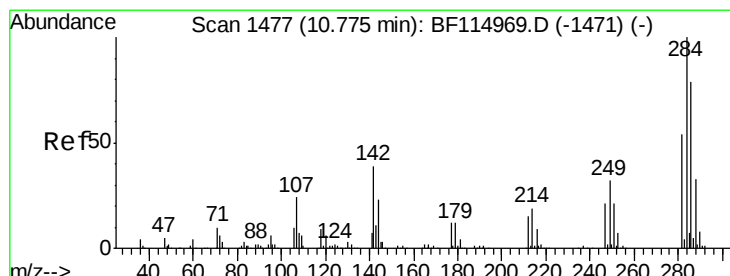
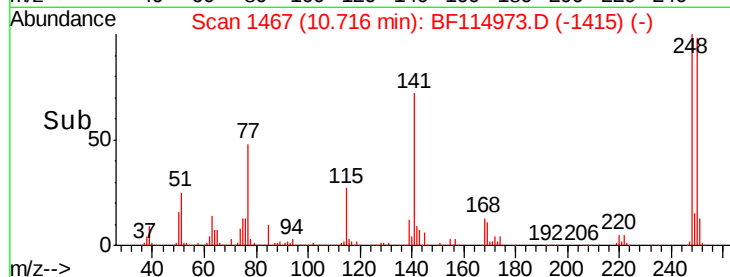
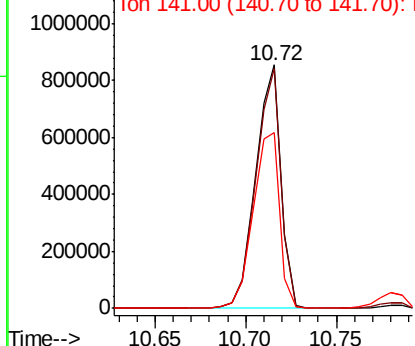
#67  
4-Bromophenyl-phenylether  
Concen: 82.290 ng  
RT: 10.72 min Scan# 1467  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 828553  
Ion Ratio Lower Upper  
248 100  
250 98.3 77.8 116.8  
141 72.4 53.1 79.7

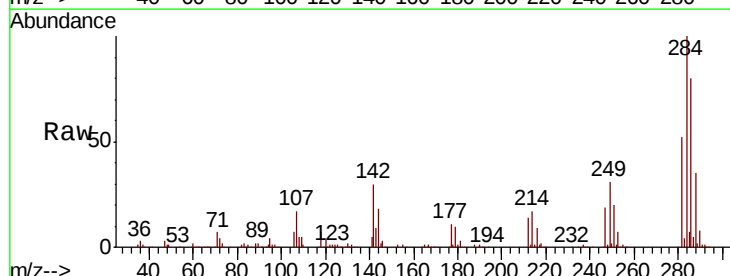


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

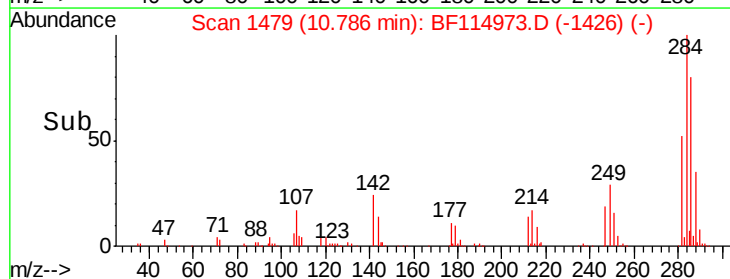
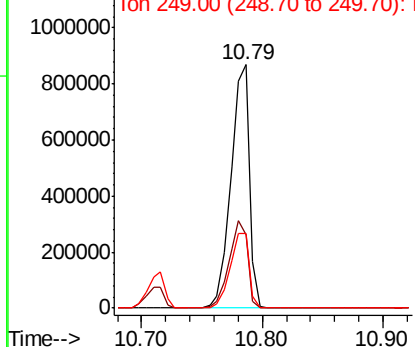


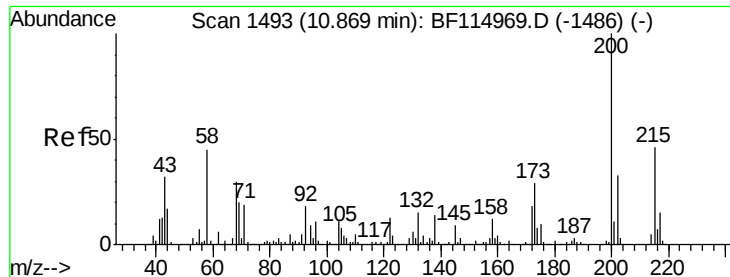
#68  
Hexachlorobenzene  
Concen: 82.751 ng  
RT: 10.79 min Scan# 1479  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion:284 Resp: 920093  
Ion Ratio Lower Upper  
284 100  
142 30.0 31.5 47.3#  
249 30.7 25.6 38.4



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





#69

Atrazine

Concen: 76.705 ng

RT: 10.88 min Scan# 1495

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampled :

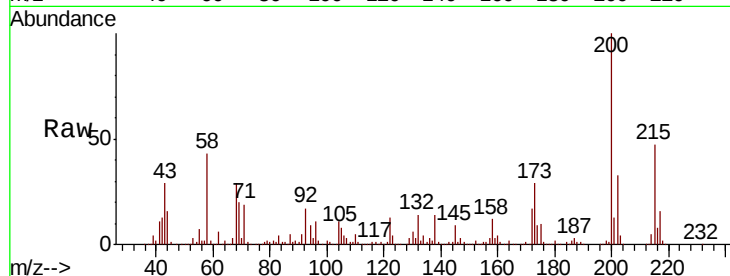
Tot Ion:200 Resp: 713780

Ion Ratio Lower Upper

200 100

173 29.1 9.0 49.0

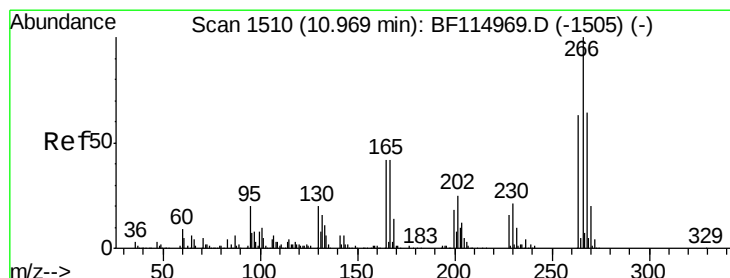
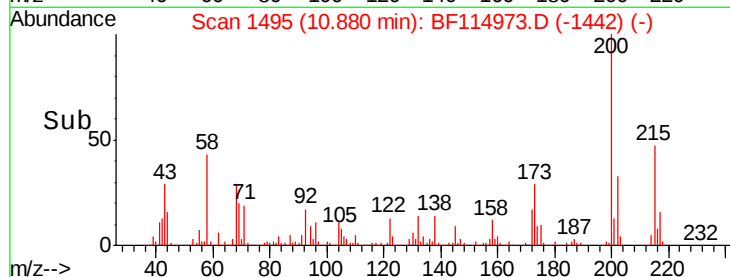
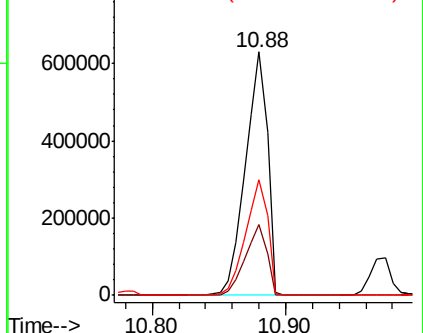
215 47.5 26.5 66.5



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 90.123 ng

RT: 10.97 min Scan# 1511

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

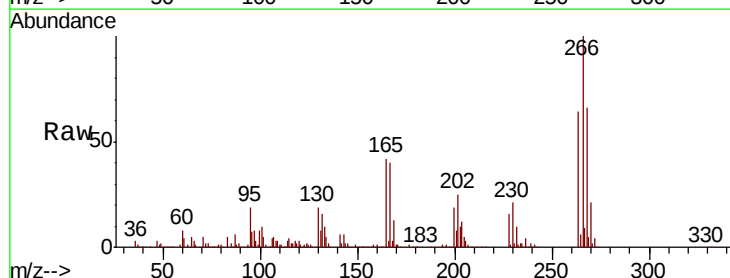
Tgt Ion:266 Resp: 561914

Ion Ratio Lower Upper

266 100

268 65.8 51.4 77.2

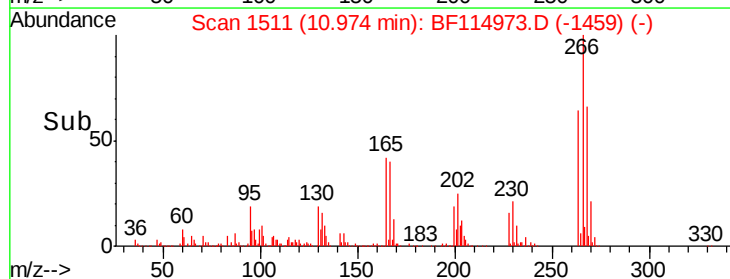
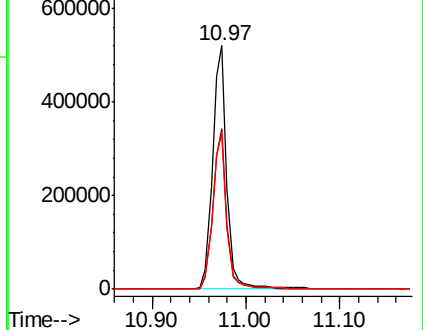
264 64.0 50.3 75.5

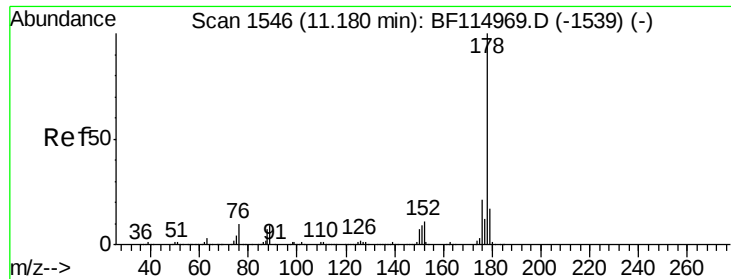


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

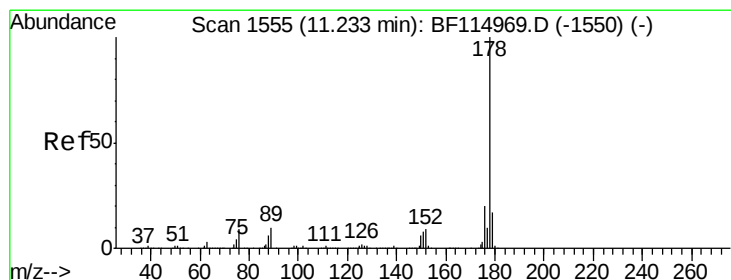
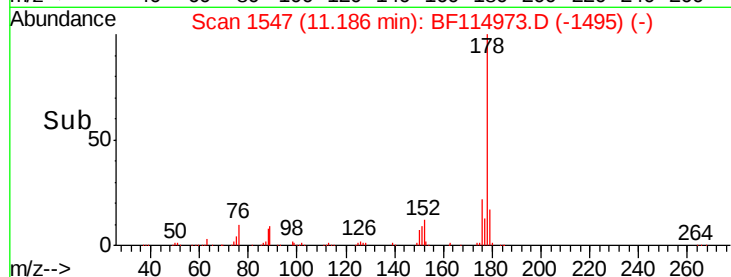
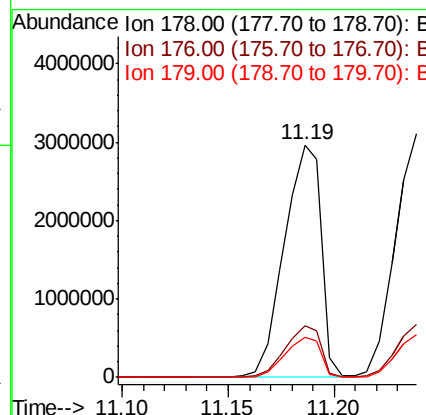
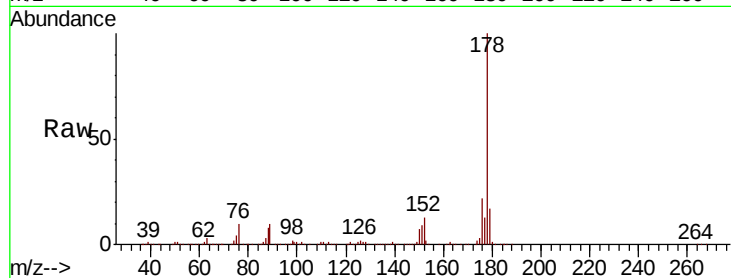




#71  
Phenanthrene  
Concen: 79.987 ng  
RT: 11.19 min Scan# 1547  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

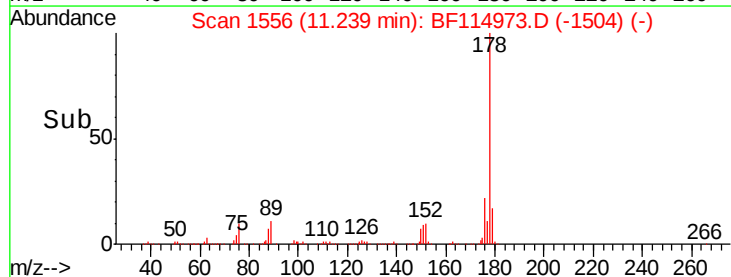
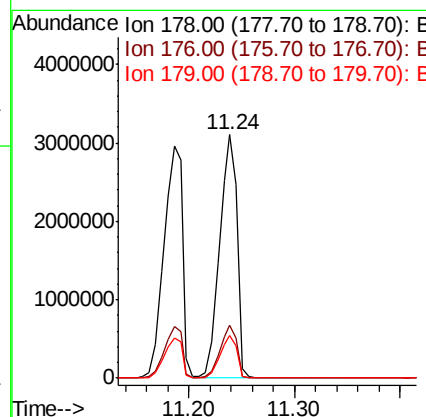
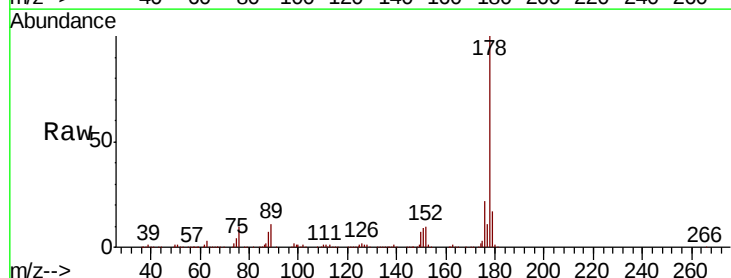
Instrument :  
BNA\_F  
ClientSampleId :

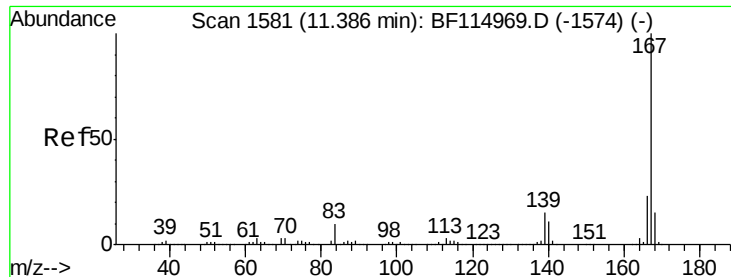
Tot Ion:178 Resp: 3607341  
Ion Ratio Lower Upper  
178 100  
176 22.1 16.9 25.3  
179 17.3 13.4 20.0



#72  
Anthracene  
Concen: 79.350 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion:178 Resp: 3632250  
Ion Ratio Lower Upper  
178 100  
176 21.6 16.2 24.4  
179 17.5 13.2 19.8

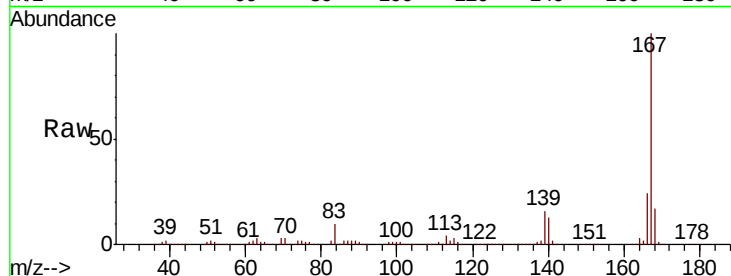




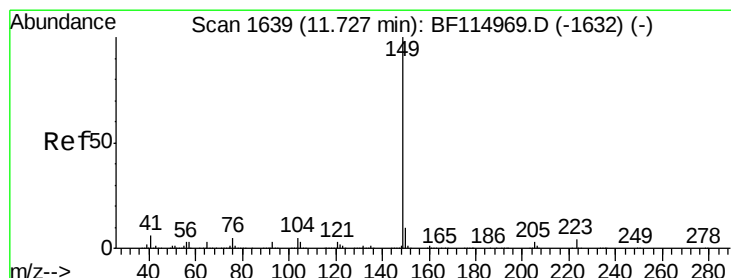
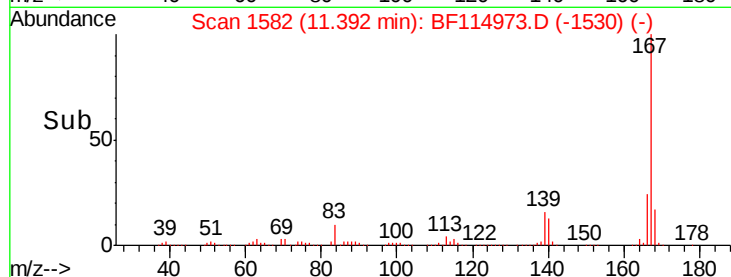
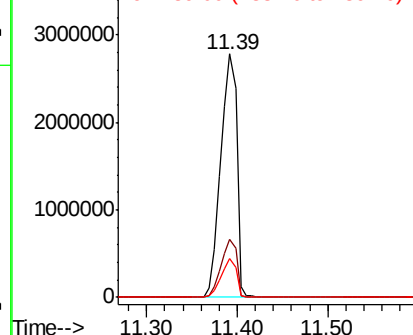
#73  
 Carbazole  
 Concen: 81.418 ng  
 RT: 11.39 min Scan# 1582  
 Delta R.T. 0.01 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:167 Resp: 3393153  
 Ion Ratio Lower Upper  
 167 100  
 166 23.7 18.5 27.7  
 139 16.0 12.0 18.0

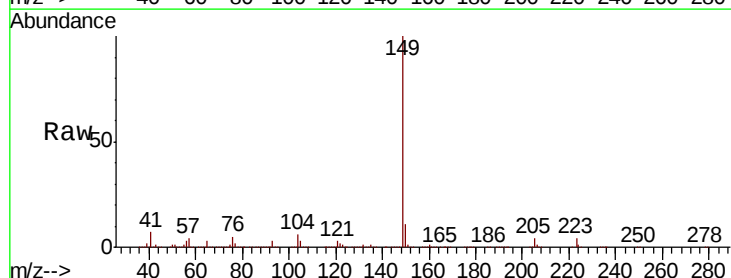


Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

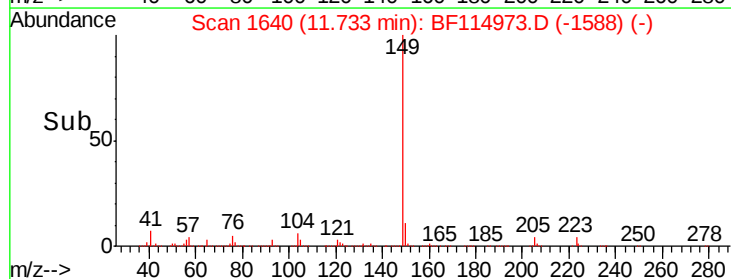
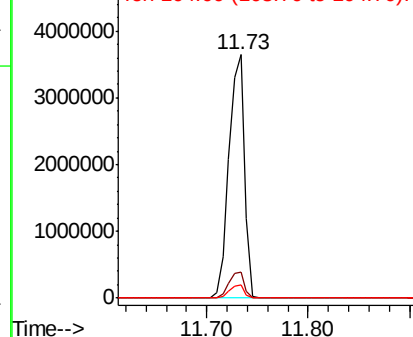


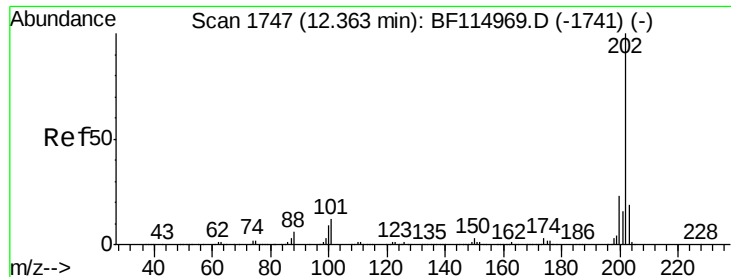
#74  
 Di-n-butylphthalate  
 Concen: 75.332 ng  
 RT: 11.73 min Scan# 1640  
 Delta R.T. 0.01 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

Tgt Ion:149 Resp: 3880012  
 Ion Ratio Lower Upper  
 149 100  
 150 11.0 8.1 12.1  
 104 5.6 4.0 6.0



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





#75

Fluoranthene

Concen: 77.055 ng

RT: 12.37 min Scan# 1748

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

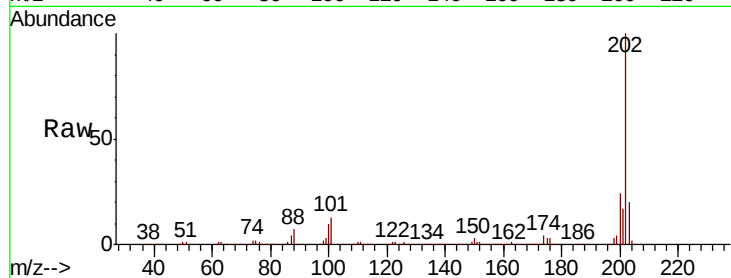
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:202 Resp: 3594430

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 13.4  | 0.0   | 32.4  |
| 203 | 19.6  | 0.0   | 38.6  |

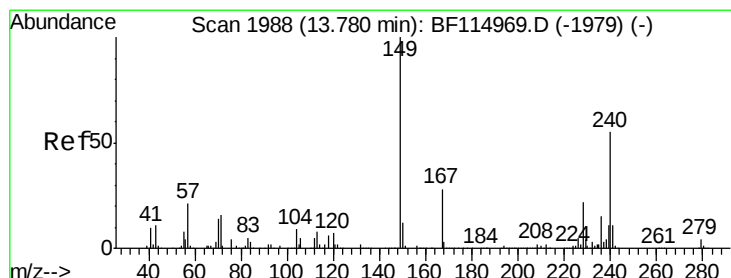
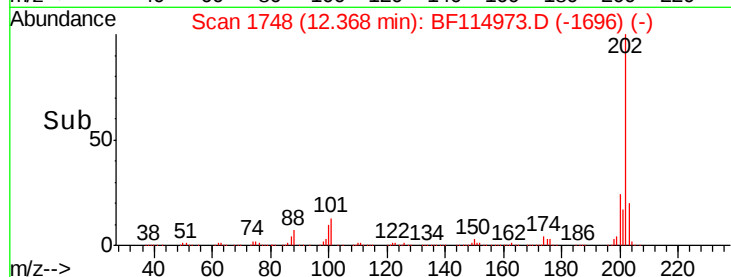
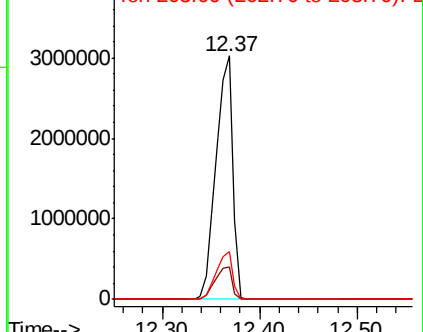


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1989

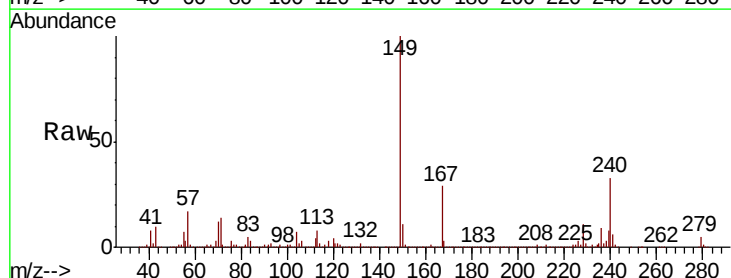
Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Tgt Ion:240 Resp: 404188

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 11.3  | 10.0  | 15.0  |
| 236 | 27.0  | 21.6  | 32.4  |

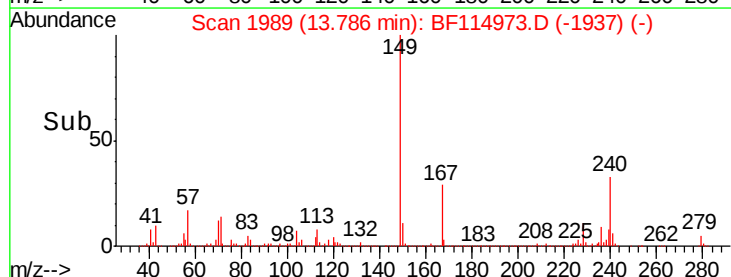
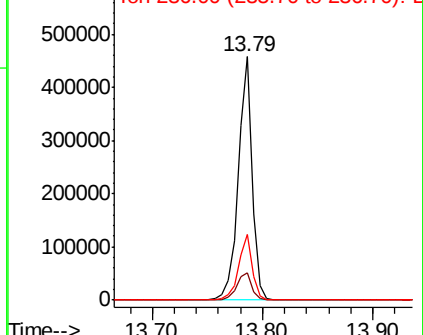


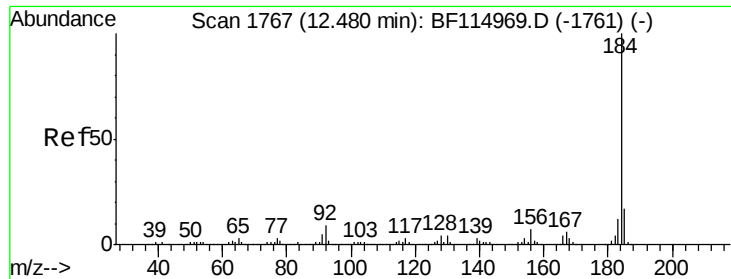
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 64.407 ng

RT: 12.49 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

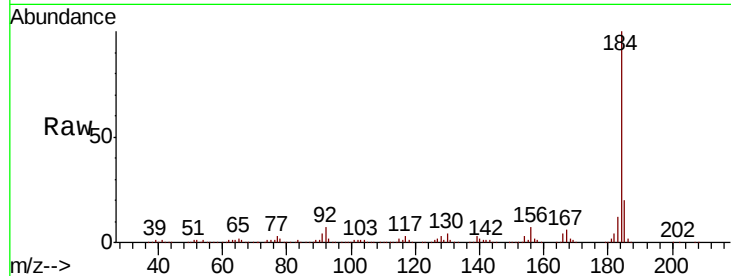
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:184 Resp: 1139258

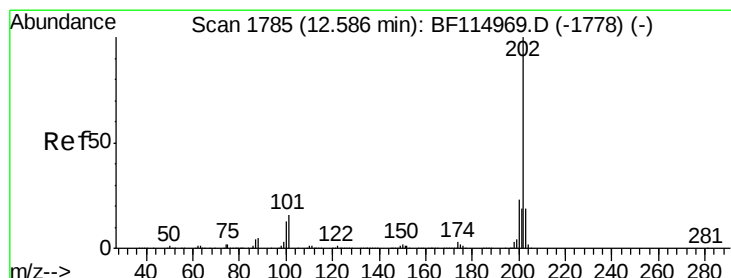
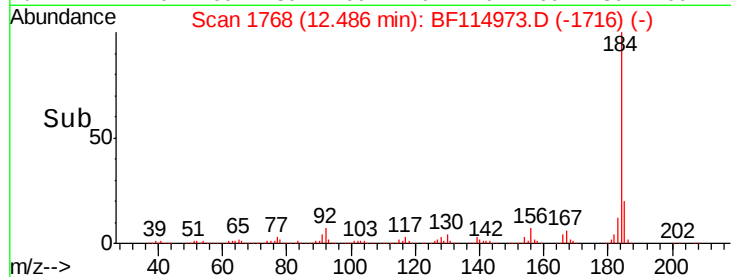
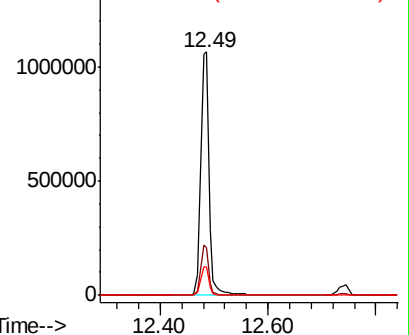
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 19.5  | 13.4  | 20.0  |
| 183 | 12.0  | 9.8   | 14.6  |



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: 105.140 ng

RT: 12.59 min Scan# 1786

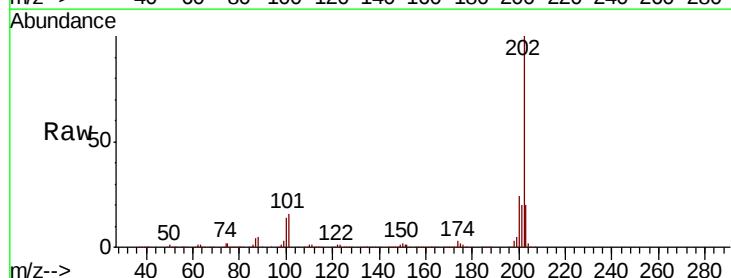
Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Tgt Ion:202 Resp: 3701054

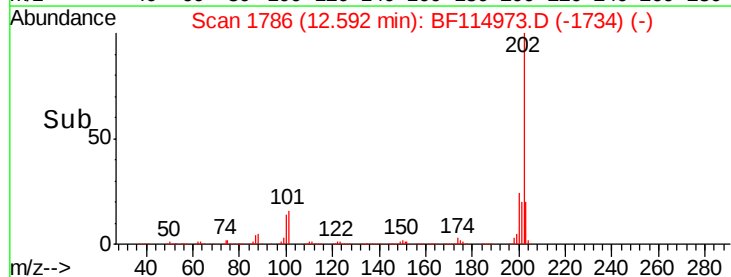
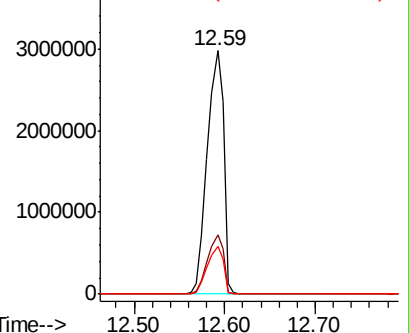
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 24.2  | 18.4  | 27.6  |
| 203 | 19.6  | 14.9  | 22.3  |

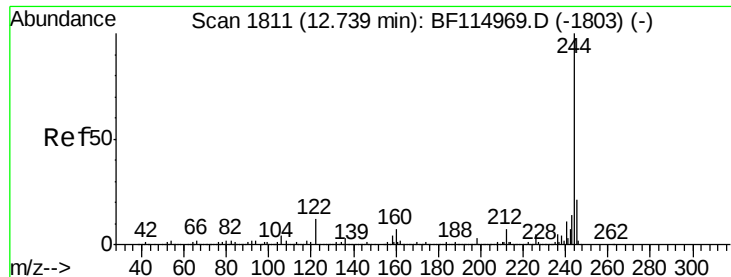


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

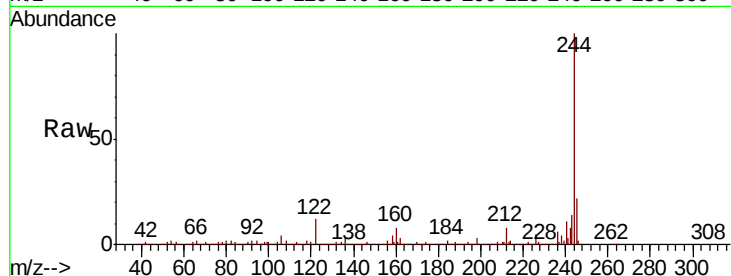




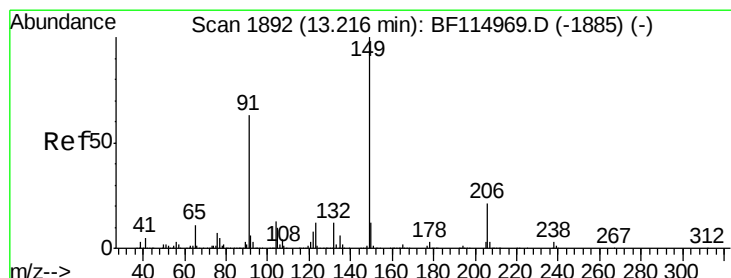
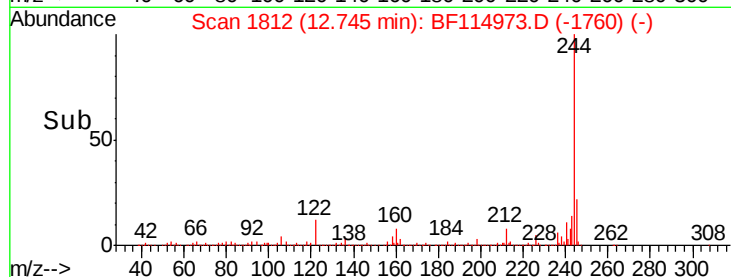
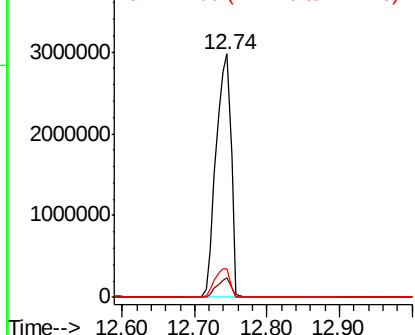
#79  
 Terphenyl-d14  
 Concen: 209.372 ng  
 RT: 12.74 min Scan# 1812  
 Delta R.T. 0.01 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 4255302  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 5.8 8.8  
 122 11.8 9.4 14.0

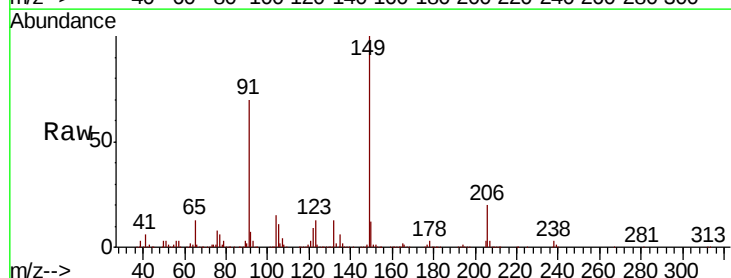


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

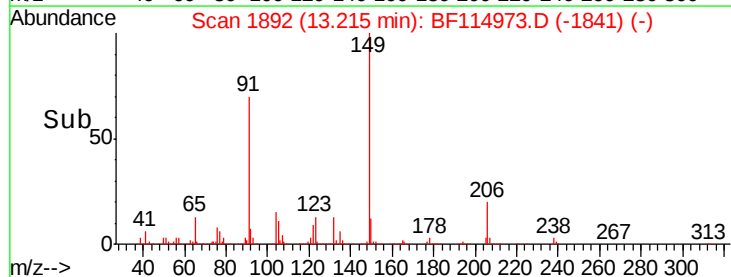
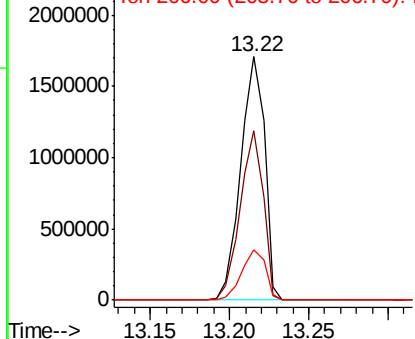


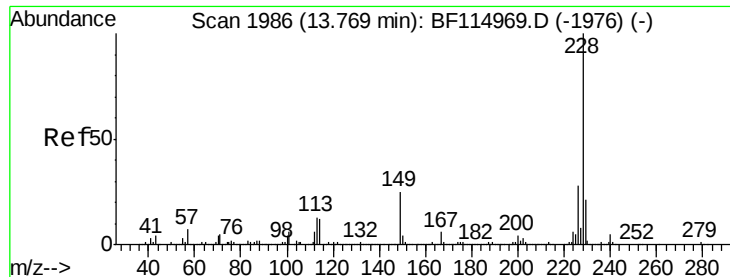
#80  
 Butylbenzylphthalate  
 Concen: 102.574 ng  
 RT: 13.22 min Scan# 1892  
 Delta R.T. -0.00 min  
 Lab File: BF114973.D  
 Acq: 12 Jun 2019 13:28

Tgt Ion:149 Resp: 1778851  
 Ion Ratio Lower Upper  
 149 100  
 91 69.8 50.6 76.0  
 206 20.5 16.7 25.1



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 91.00 (90.70 to 91.70): BF1  
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 94.543 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

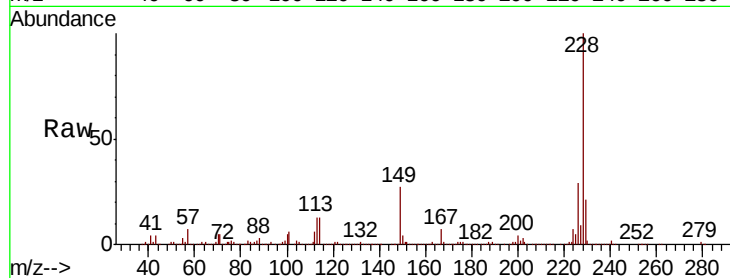
Tot Ion:228 Resp: 2825521

Ion Ratio Lower Upper

228 100

226 28.6 22.0 33.0

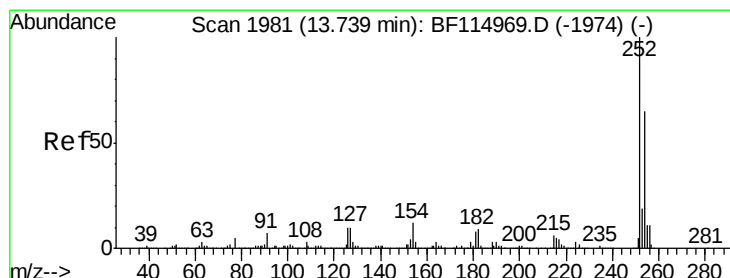
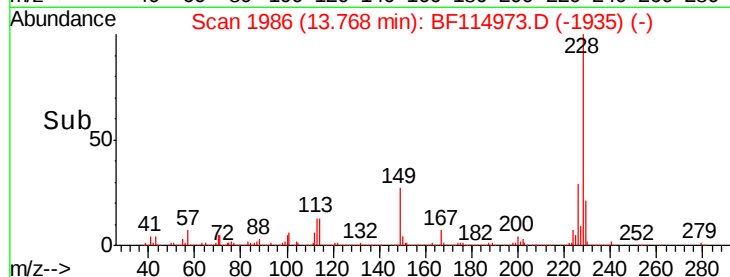
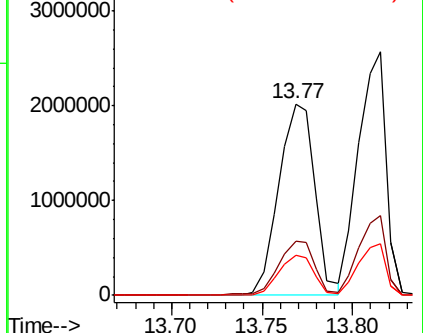
229 21.2 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 82.903 ng

RT: 13.74 min Scan# 1981

Delta R.T. -0.00 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

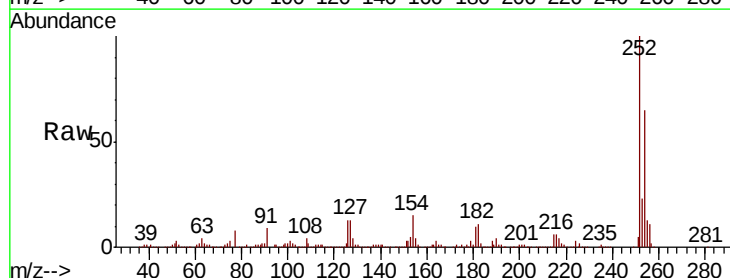
Tgt Ion:252 Resp: 1011347

Ion Ratio Lower Upper

252 100

254 64.6 52.2 78.4

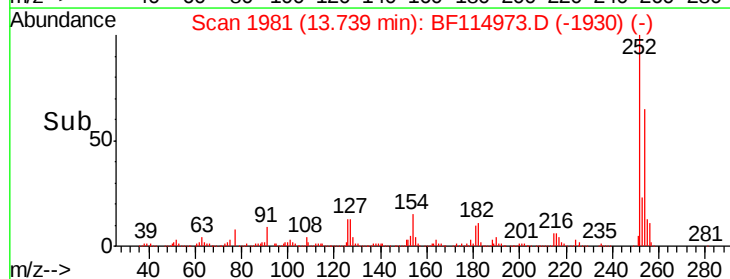
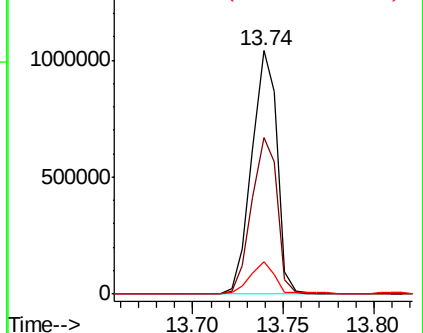
126 13.3 8.0 12.0#

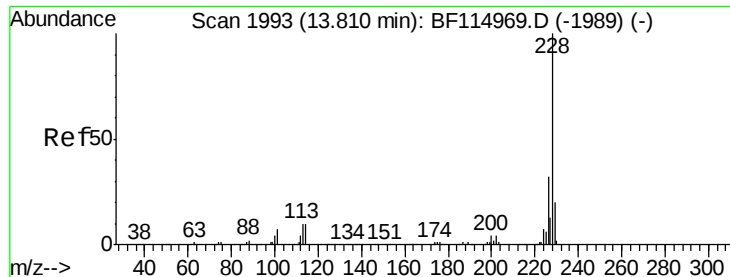


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 92.024 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

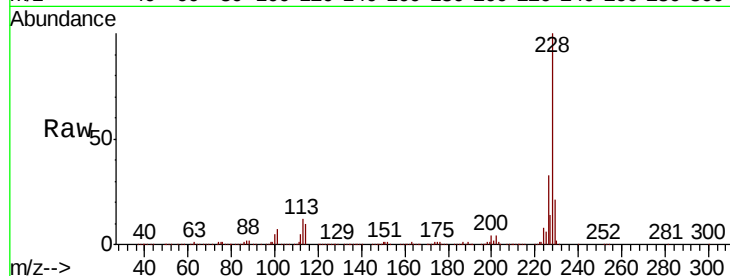
Tot Ion:228 Resp: 2761761

Ion Ratio Lower Upper

228 100

226 32.7 25.4 38.0

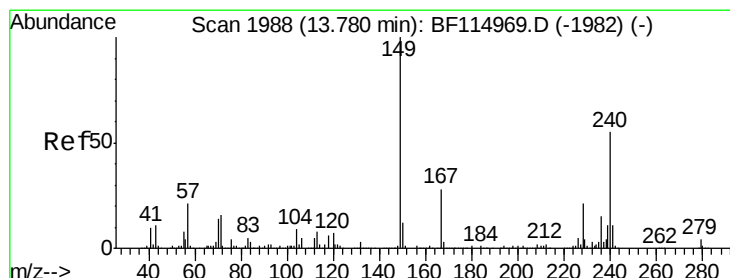
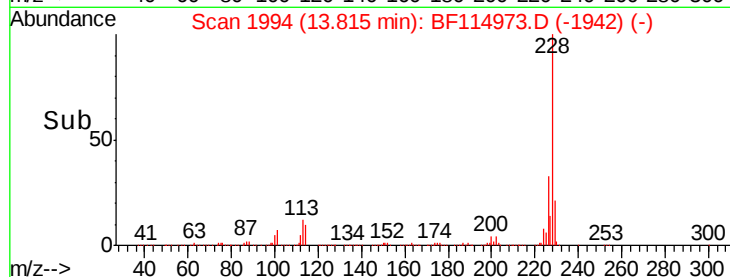
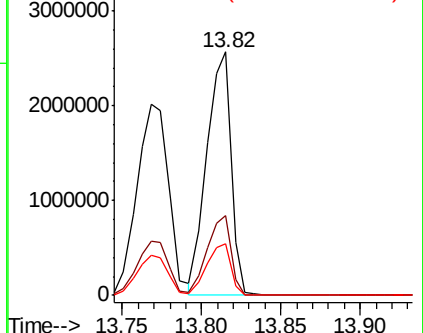
229 21.1 16.4 24.6



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: 92.819 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

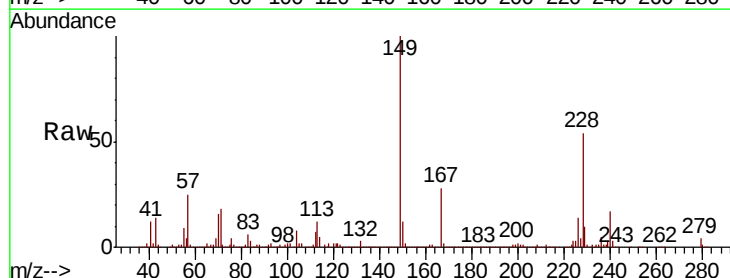
Tgt Ion:149 Resp: 1885182

Ion Ratio Lower Upper

149 100

167 27.9 22.2 33.4

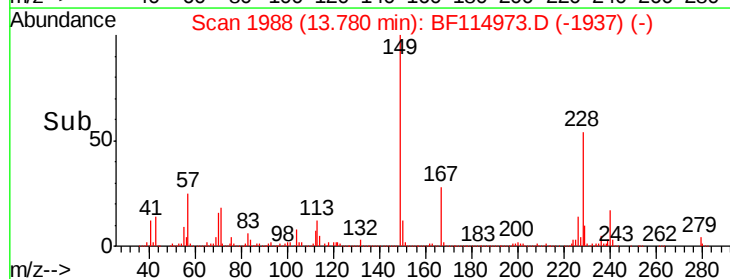
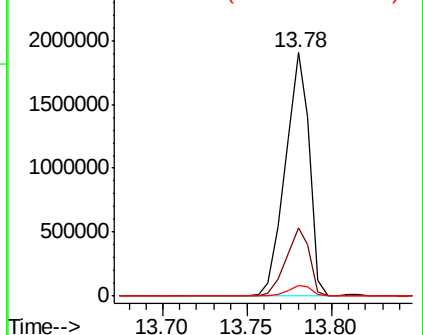
279 4.3 3.4 5.0

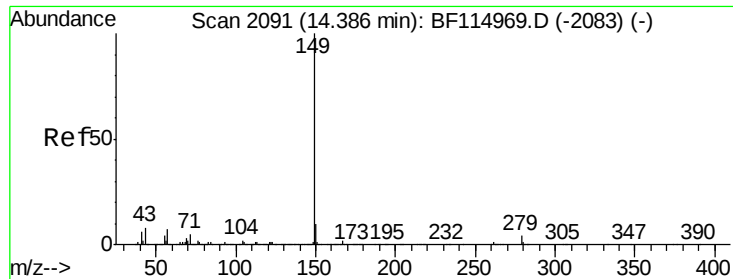


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 87.602 ng

RT: 14.39 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

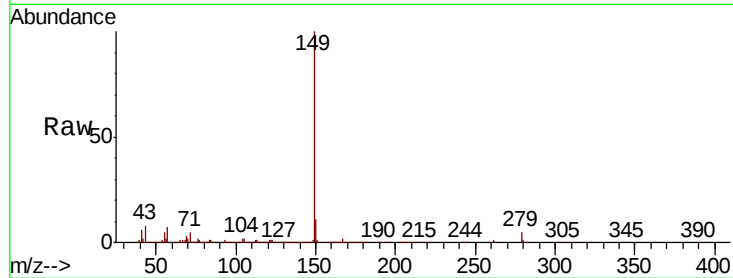
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:149 Resp: 3250204

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.7   | 1.3   | 1.9   |
| 43  | 8.5   | 6.5   | 9.7   |

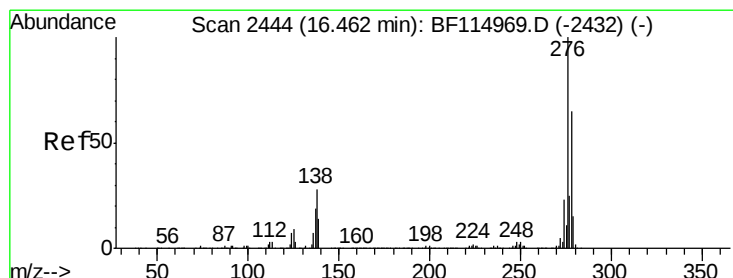
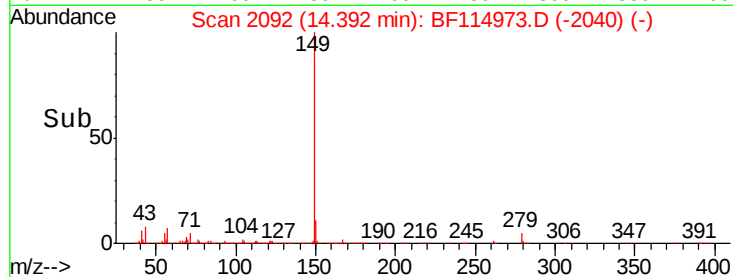


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

Time--> 14.30 14.40 14.50



#86

Indeno(1,2,3-cd)pyrene

Concen: 106.801 ng

RT: 16.47 min Scan# 2446

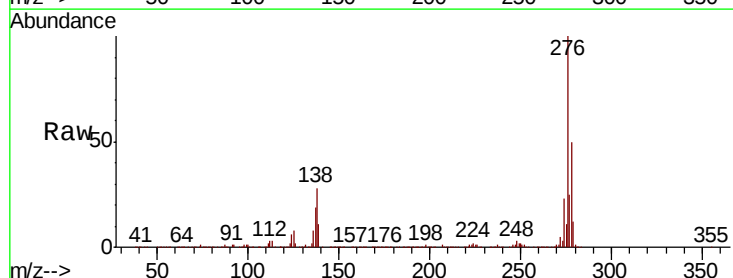
Delta R.T. 0.01 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Tgt Ion:276 Resp: 3013311

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 28.5  | 23.0  | 34.4  |
| 277 | 25.6  | 20.6  | 30.8  |

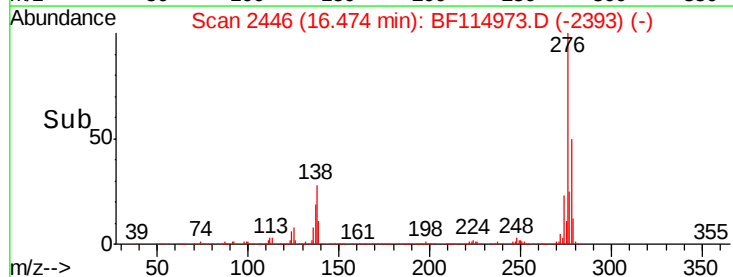


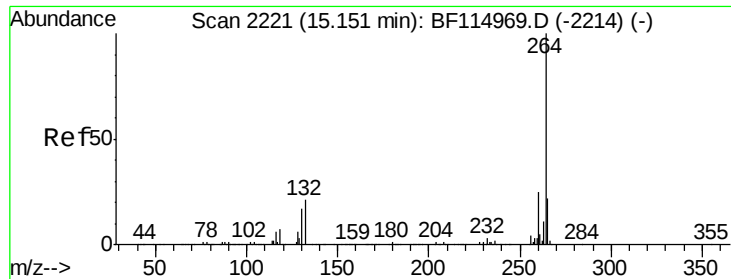
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time--> 16.40 16.60

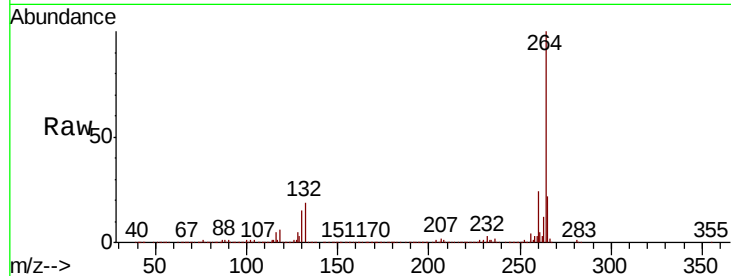




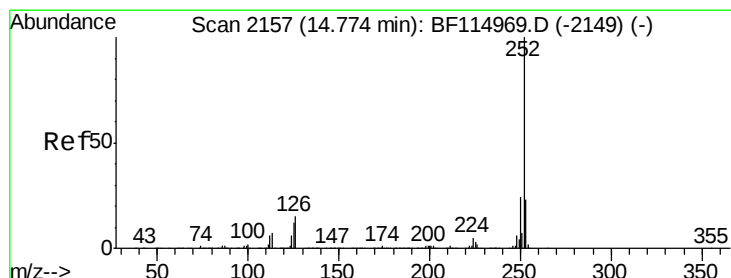
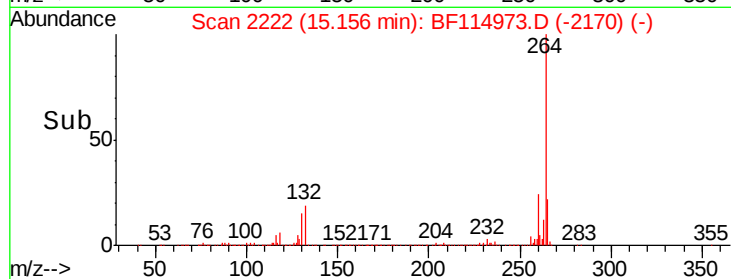
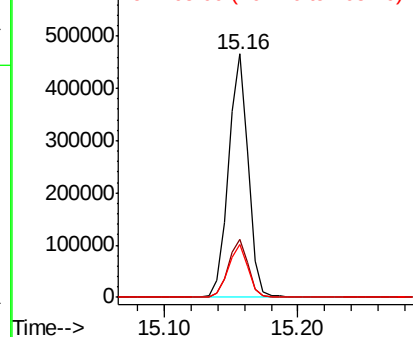
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.16 min Scan# 2222  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 485025  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.9 29.9  
265 21.9 17.6 26.4

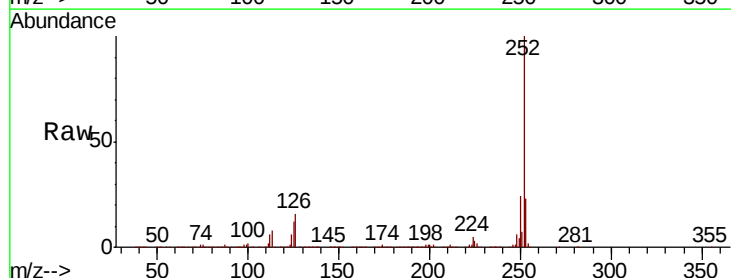


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

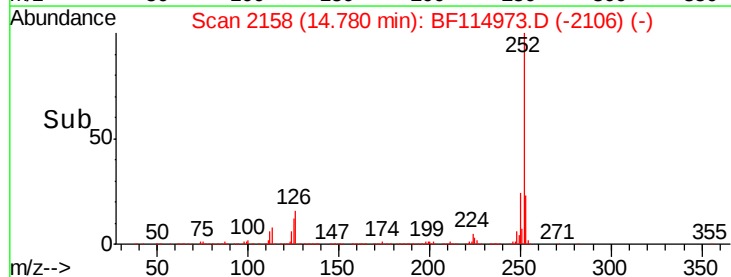
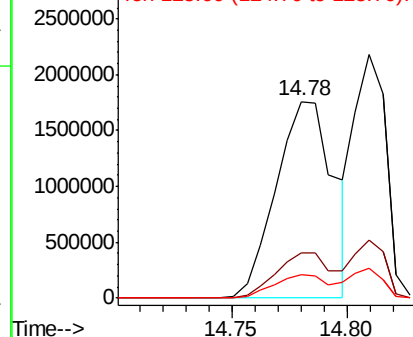


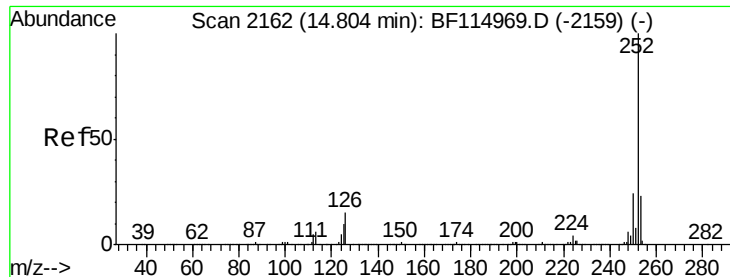
#88  
Benzo(b)fluoranthene  
Concen: 96.575 ng  
RT: 14.78 min Scan# 2158  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion:252 Resp: 3049506  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.1 27.1  
125 12.0 9.4 14.0



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

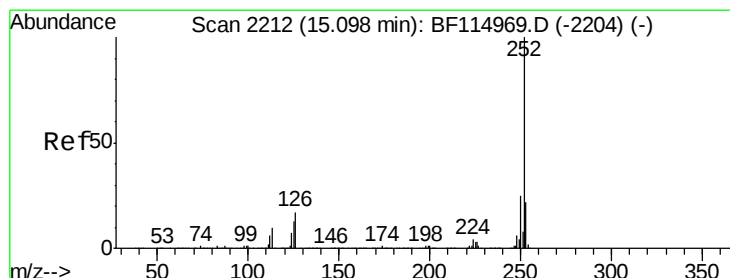
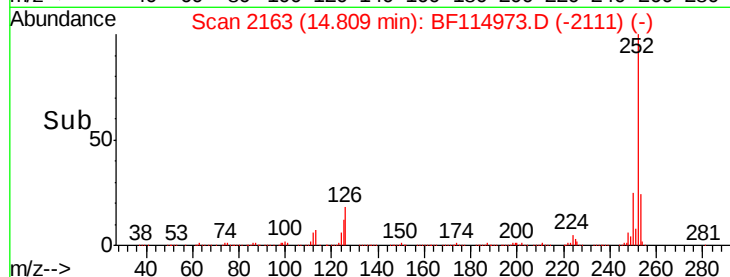
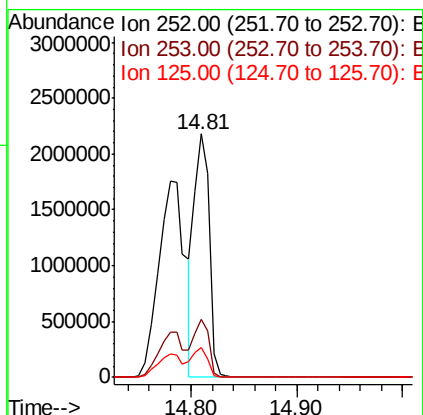
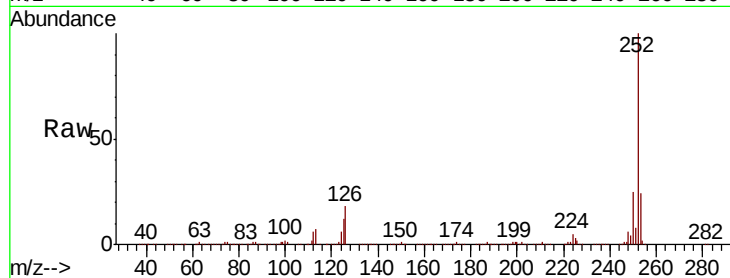




#89  
Benzo(k)fluoranthene  
Concen: 76.730 ng  
RT: 14.81 min Scan# 2163  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

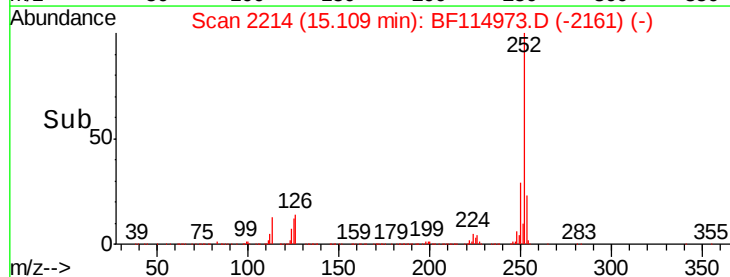
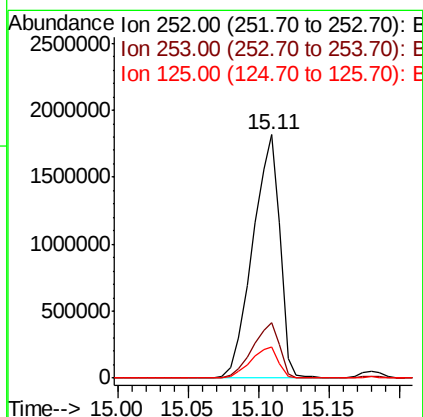
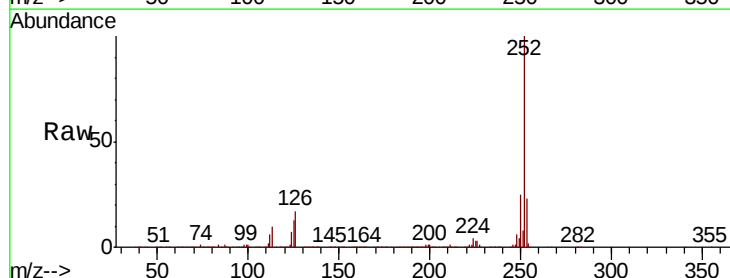
Instrument :  
BNA\_F  
ClientSampled :

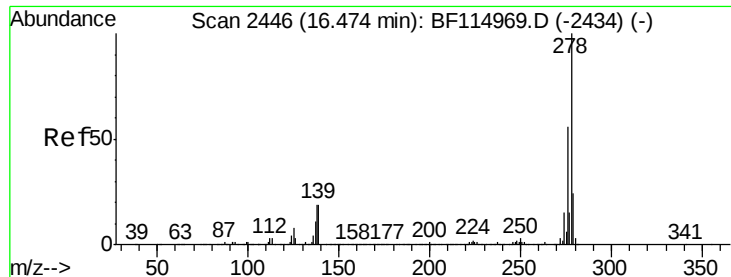
Tot Ion:252 Resp: 2102689  
Ion Ratio Lower Upper  
252 100  
253 23.7 18.0 27.0  
125 12.3 8.2 12.4



#90  
Benzo(a)pyrene  
Concen: 89.764 ng  
RT: 15.11 min Scan# 2214  
Delta R.T. 0.01 min  
Lab File: BF114973.D  
Acq: 12 Jun 2019 13:28

Tgt Ion:252 Resp: 2461945  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.8 26.8  
125 12.8 10.7 16.1





#91

Dibenzo(a,h)anthracene

Concen: 100.838 ng

RT: 16.50 min Scan# 2450

Delta R.T. 0.02 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

Instrument :

BNA\_F

ClientSampleId :

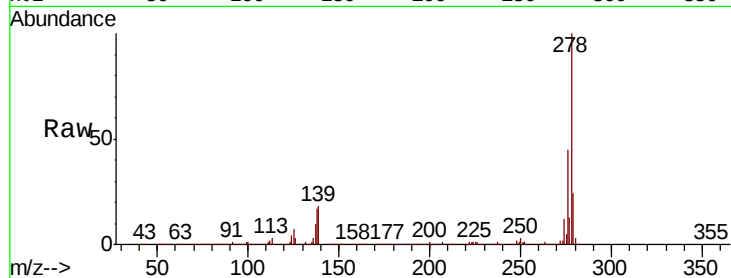
Tot Ion:278 Resp: 2336121

Ion Ratio Lower Upper

278 100

139 18.0 15.3 22.9

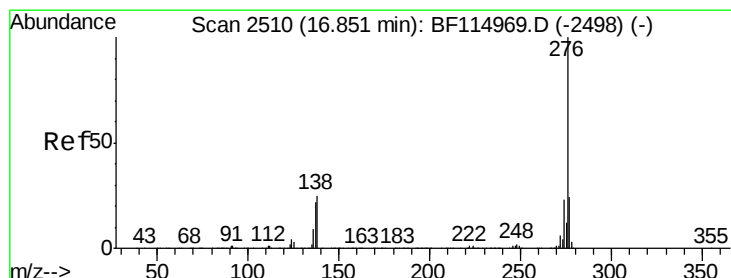
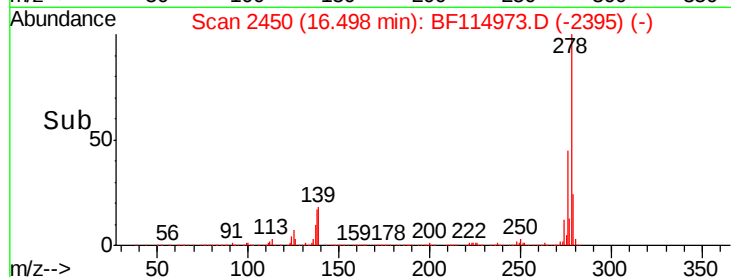
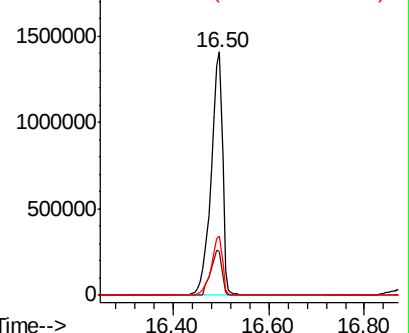
279 24.4 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 110.535 ng

RT: 16.87 min Scan# 2514

Delta R.T. 0.02 min

Lab File: BF114973.D

Acq: 12 Jun 2019 13:28

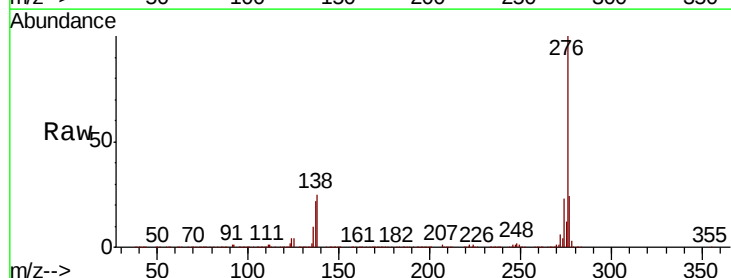
Tgt Ion:276 Resp: 2552596

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 25.5 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

