

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\  
 Data File : BF115582.D  
 Acq On : 16 Jul 2019 7:45  
 Operator : HP/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 16 15:26:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 156309   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 656167   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.92  | 164  | 332045   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.40 | 188  | 637823   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.04 | 240  | 460091   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.51 | 264  | 424084   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.50  | 112  | 916734   | 95.93 | ng    | 0.00     |
| 7) Phenol-d6                | 6.52  | 99   | 1002500  | 82.68 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 933396   | 82.71 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.71 | 330  | 325027   | 83.86 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 1654620  | 87.22 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.99 | 244  | 1919481  | 76.98 | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.69 | 88   | 233231   | 48.929 | ng    | 99     |
| 3) Pyridine                    | 3.45 | 79   | 622426   | 48.128 | ng    | 100    |
| 4) n-Nitrosodimethylamine      | 3.39 | 42   | 223077   | 47.548 | ng    | 98     |
| 6) Aniline                     | 6.55 | 93   | 695115   | 41.194 | ng    | 99     |
| 8) 2-Chlorophenol              | 6.67 | 128  | 455782   | 41.485 | ng    | 95     |
| 9) Benzaldehyde                | 6.43 | 77   | 299284   | 39.497 | ng    | 100    |
| 10) Phenol                     | 6.53 | 94   | 588906   | 41.837 | ng    | 83     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93   | 435310   | 40.619 | ng    | 98     |
| 12) 1,3-Dichlorobenzene        | 6.83 | 146  | 509394   | 41.238 | ng    | 99     |
| 13) 1,4-Dichlorobenzene        | 6.90 | 146  | 515920   | 41.860 | ng    | 97     |
| 14) 1,2-Dichlorobenzene        | 7.06 | 146  | 480265   | 42.627 | ng    | 98     |
| 15) Benzyl Alcohol             | 7.02 | 79   | 401823   | 41.774 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45   | 579279   | 41.057 | ng    | 98     |
| 17) 2-Methylphenol             | 7.13 | 107  | 386349   | 40.805 | ng    | 100    |
| 18) Hexachloroethane           | 7.40 | 117  | 191810   | 41.929 | ng    | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70   | 323548   | 40.914 | ng    | 97     |
| 20) 3+4-Methylphenols          | 7.29 | 107  | 466470   | 41.477 | ng    | 92     |
| 22) Acetophenone               | 7.29 | 105  | 613590   | 41.392 | ng    | 95     |
| 24) Nitrobenzene               | 7.46 | 77   | 507785   | 41.719 | ng    | 95     |
| 25) Isophorone                 | 7.70 | 82   | 914812   | 40.513 | ng    | 98     |
| 26) 2-Nitrophenol              | 7.78 | 139  | 261596   | 41.756 | ng    | 99     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122  | 355903   | 37.968 | ng    | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93   | 569052   | 41.078 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 8.02 | 162  | 401836   | 41.219 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.11 | 180  | 454974   | 41.287 | ng    | 98     |
| 31) Naphthalene                | 8.19 | 128  | 1320195  | 41.544 | ng    | 97     |
| 32) Benzoic acid               | 7.94 | 122  | 241316   | 31.369 | ng    | 99     |
| 33) 4-Chloroaniline            | 8.23 | 127  | 587450   | 41.734 | ng    | 98     |
| 34) Hexachlorobutadiene        | 8.31 | 225  | 265545   | 42.021 | ng    | 99     |
| 35) Caprolactam                | 8.61 | 113  | 128585   | 42.684 | ng    | 98     |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107  | 422963   | 41.826 | ng    | 98     |
| 37) 2-Methylnaphthalene        | 8.88 | 142  | 888183   | 42.164 | ng    | 98     |
| 38) 1-Methylnaphthalene        | 8.98 | 142  | 841541   | 42.060 | ng    | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216  | 409539   | 40.958 | ng    | 98     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\  
 Data File : BF115582.D  
 Acq On : 16 Jul 2019 7:45  
 Operator : HP/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

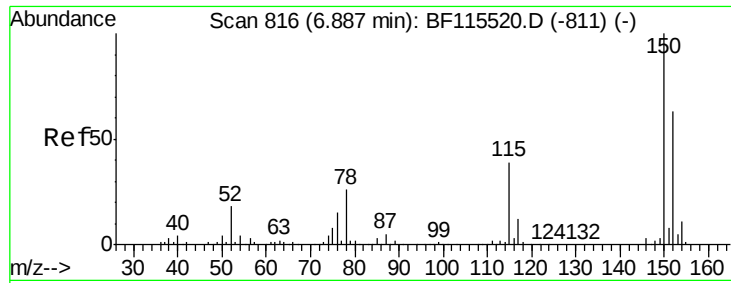
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 16 15:26:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.04  | 237  | 225096   | 39.464 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 9.16  | 196  | 291112   | 39.812 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.20  | 196  | 311193   | 41.556 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.35  | 154  | 1074890  | 41.407 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.37  | 162  | 892722   | 41.301 | ng    | 97       |
| 48) 2-Nitroaniline             | 9.46  | 65   | 276691   | 41.358 | ng    | 98       |
| 49) Acenaphthylene             | 9.79  | 152  | 1330309  | 41.536 | ng    | 98       |
| 50) Dimethylphthalate          | 9.65  | 163  | 1033106  | 41.354 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.70  | 165  | 236630   | 41.680 | ng    | 92       |
| 52) Acenaphthene               | 9.96  | 154  | 864929   | 41.829 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.87  | 138  | 270474   | 41.690 | ng    | 93       |
| 54) 2,4-Dinitrophenol          | 9.97  | 184  | 127604   | 43.777 | ng    | 99       |
| 55) Dibenzofuran               | 10.13 | 168  | 1207786  | 41.130 | ng    | 100      |
| 56) 4-Nitrophenol              | 10.03 | 139  | 207176   | 41.877 | ng    | 90       |
| 57) 2,4-Dinitrotoluene         | 10.10 | 165  | 323251   | 43.948 | ng    | 97       |
| 58) Fluorene                   | 10.47 | 166  | 888704   | 42.334 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 271077   | 43.303 | ng    | 97       |
| 60) Diethylphthalate           | 10.34 | 149  | 1000802  | 42.756 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.46 | 204  | 462114   | 39.696 | ng    | 98       |
| 62) 4-Nitroaniline             | 10.49 | 138  | 267412   | 42.970 | ng    | 98       |
| 63) Azobenzene                 | 10.62 | 77   | 967245   | 42.602 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 167154   | 42.894 | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 10.58 | 169  | 828356   | 41.751 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.95 | 248  | 301487   | 41.363 | ng    | 98       |
| 68) Hexachlorobenzene          | 11.02 | 284  | 347982   | 41.806 | ng    | # 94     |
| 69) Atrazine                   | 11.10 | 200  | 253140   | 38.892 | ng    | 100      |
| 70) Pentachlorophenol          | 11.21 | 266  | 213283   | 41.894 | ng    | 99       |
| 71) Phenanthrene               | 11.43 | 178  | 1365855  | 41.777 | ng    | 98       |
| 72) Anthracene                 | 11.49 | 178  | 1381735  | 40.894 | ng    | 99       |
| 73) Carbazole                  | 11.63 | 167  | 1267626  | 42.782 | ng    | 100      |
| 74) Di-n-butylphthalate        | 11.97 | 149  | 1579773  | 43.285 | ng    | 100      |
| 75) Fluoranthene               | 12.62 | 202  | 1511421  | 43.747 | ng    | 100      |
| 77) Benzidine                  | 12.73 | 184  | 691017   | 42.397 | ng    | 99       |
| 78) Pyrene                     | 12.85 | 202  | 1521912  | 39.043 | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.46 | 149  | 663079   | 39.903 | ng    | 99       |
| 81) Benzo(a)anthracene         | 14.03 | 228  | 1266814  | 41.794 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 13.99 | 252  | 468132   | 43.445 | ng    | 100      |
| 83) Chrysene                   | 14.07 | 228  | 1251434  | 41.128 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 868403   | 42.189 | ng    | 98       |
| 85) Di-n-octyl phthalate       | 14.63 | 149  | 1427872  | 43.599 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.99 | 276  | 990100   | 38.300 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 15.09 | 252  | 1133741  | 41.517 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.12 | 252  | 1075766  | 44.186 | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.45 | 252  | 987403   | 42.070 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.00 | 278  | 812947   | 39.454 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.43 | 276  | 734317   | 35.734 | ng    | 99       |

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



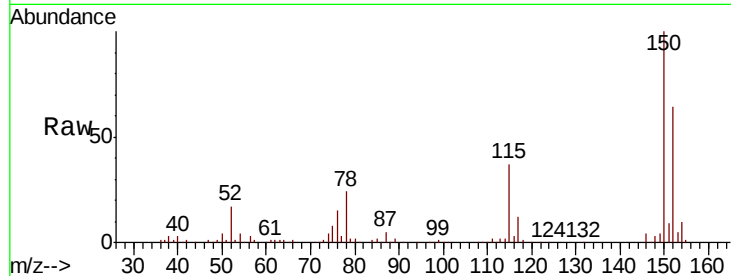


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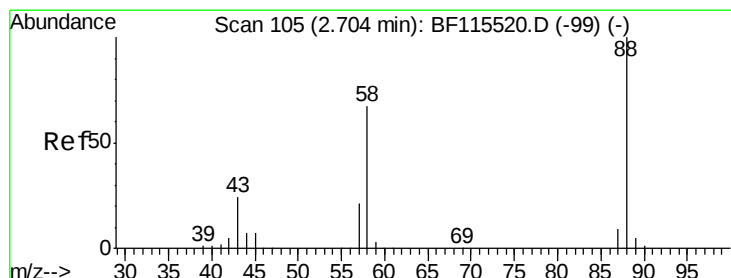
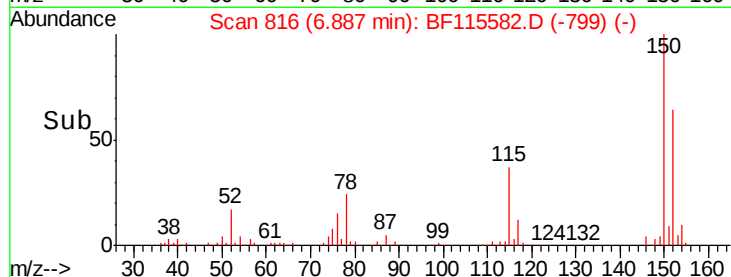
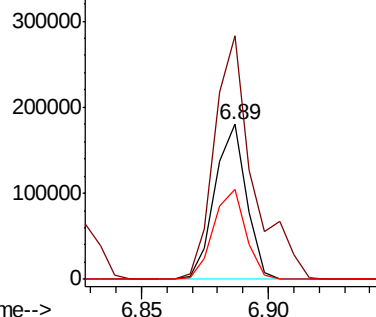
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.00 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 156309  
Ion Ratio Lower Upper  
152 100  
150 157.0 129.7 194.5  
115 58.1 48.2 72.4



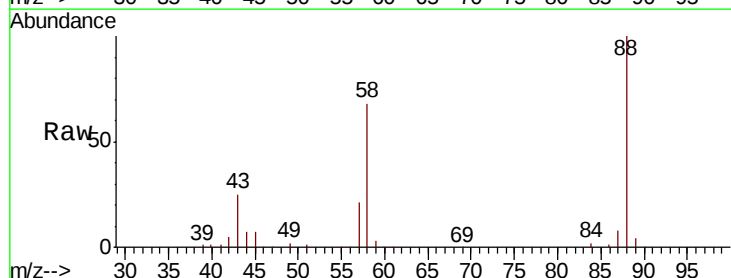
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



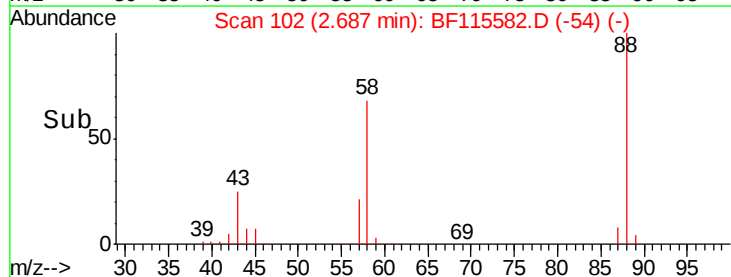
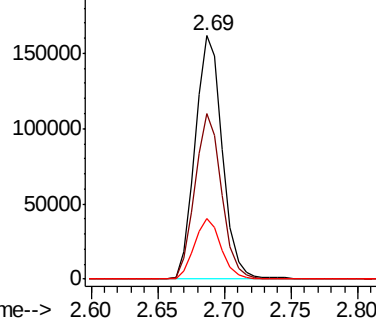
#2

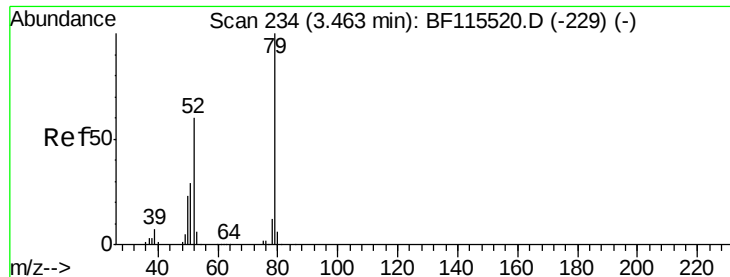
1,4-Dioxane  
Concen: 48.929 ng  
RT: 2.69 min Scan# 102  
Delta R.T. -0.02 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Tgt Ion: 88 Resp: 233231  
Ion Ratio Lower Upper  
88 100  
58 66.2 52.6 79.0  
43 24.4 19.1 28.7



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: 48.128 ng

RT: 3.45 min Scan# 231

Delta R.T. -0.02 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

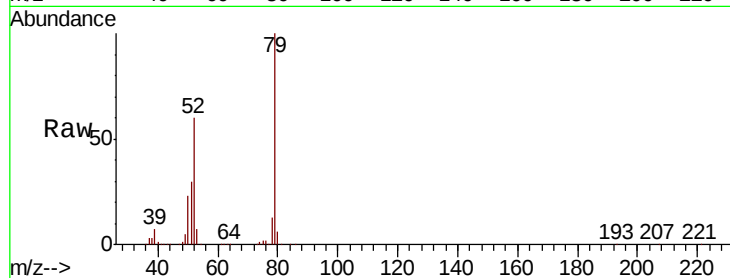
Tot Ion: 79 Resp: 622426

Ion Ratio Lower Upper

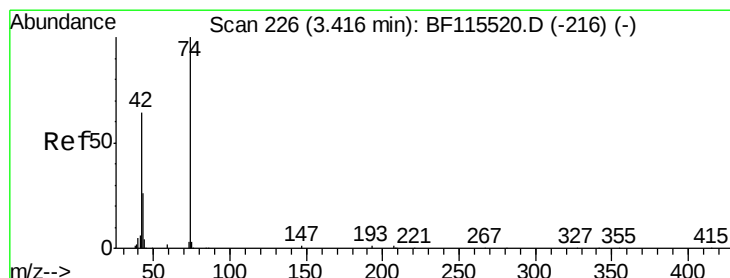
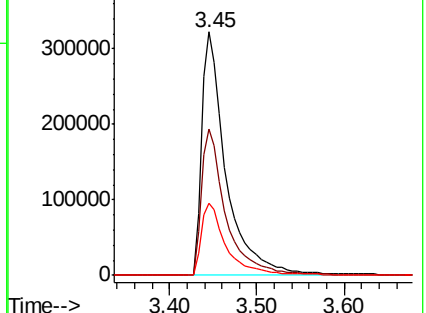
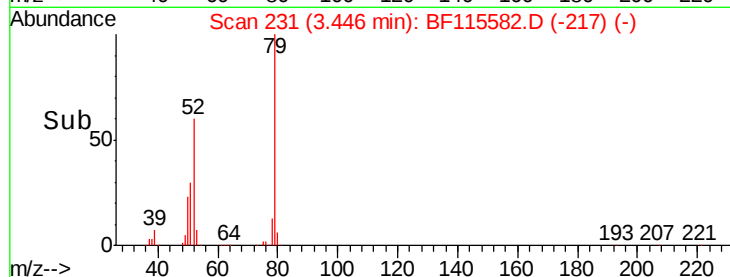
79 100

52 60.2 47.8 71.6

51 29.8 23.8 35.8



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 52.00 (51.70 to 52.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 47.548 ng

RT: 3.39 min Scan# 222

Delta R.T. -0.02 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

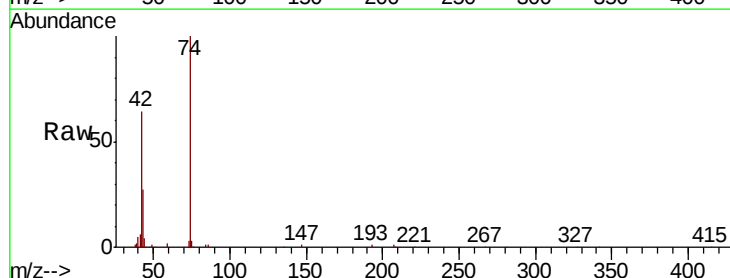
Tgt Ion: 42 Resp: 223077

Ion Ratio Lower Upper

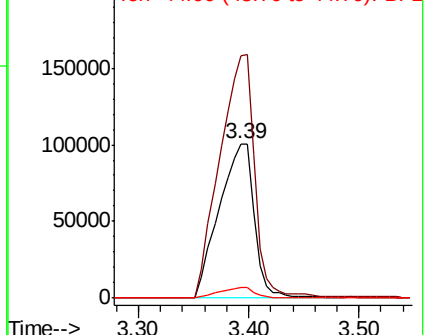
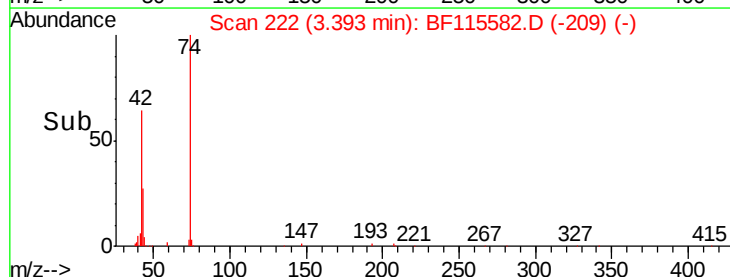
42 100

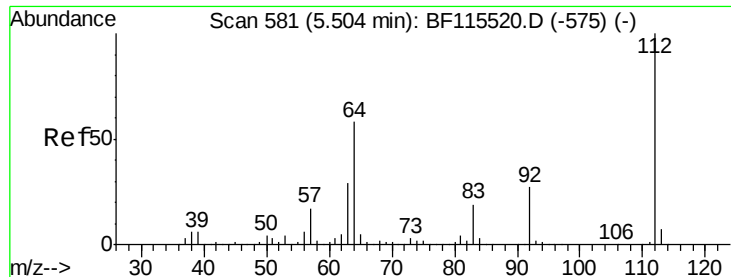
74 157.4 127.5 191.3

44 6.8 5.0 7.6



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1

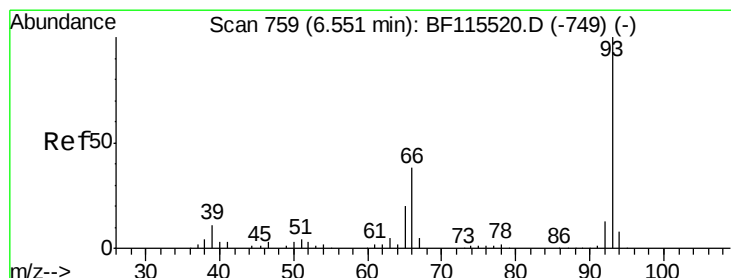
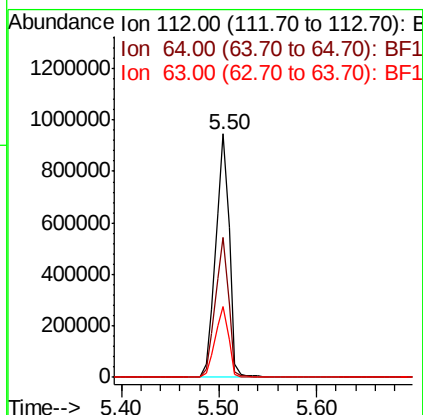
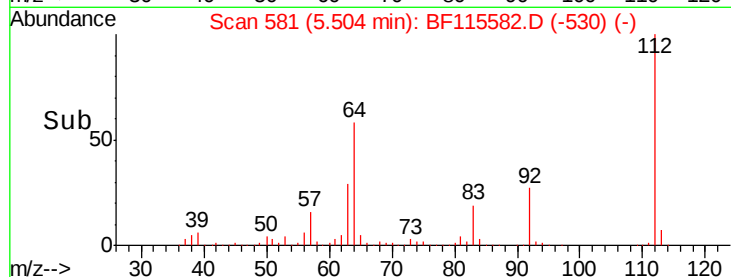
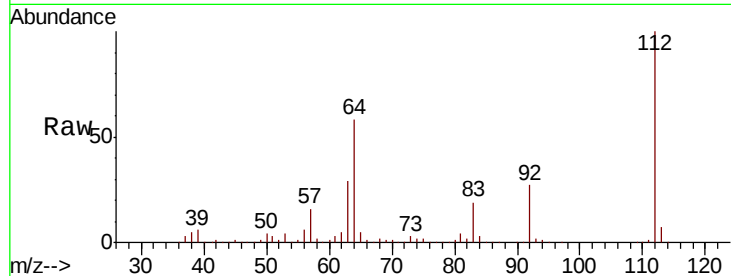




#5  
 2-Fluorophenol  
 Concen: 95.932 ng  
 RT: 5.50 min Scan# 581  
 Delta R.T. 0.00 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

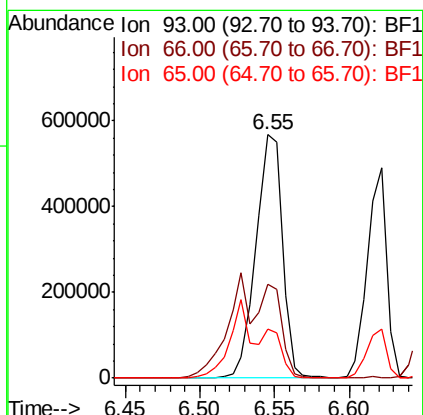
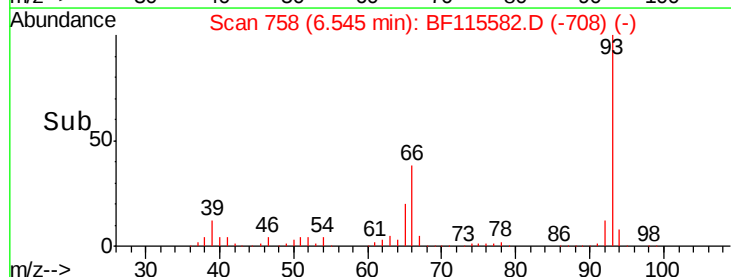
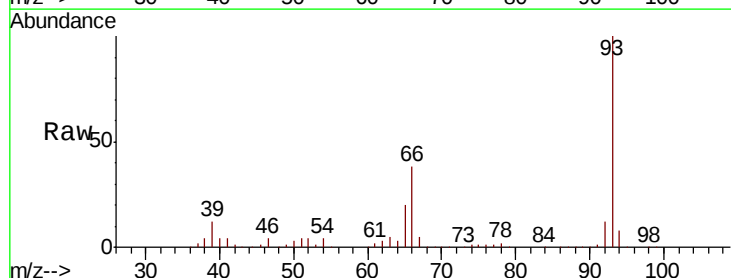
Instrument :  
 BNA\_F  
 ClientSampled :

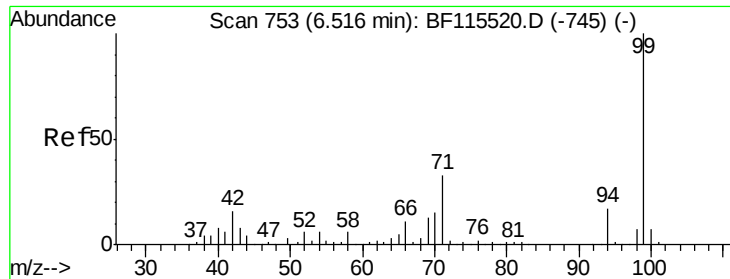
Tot Ion: 112 Resp: 916734  
 Ion Ratio Lower Upper  
 112 100  
 64 57.6 46.8 70.2  
 63 29.3 24.1 36.1



#6  
 Aniline  
 Concen: 41.194 ng  
 RT: 6.55 min Scan# 758  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

Tgt Ion: 93 Resp: 695115  
 Ion Ratio Lower Upper  
 93 100  
 66 38.4 31.7 47.5  
 65 19.9 16.2 24.2





#7

Phenol-d6

Concen: 82.677 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

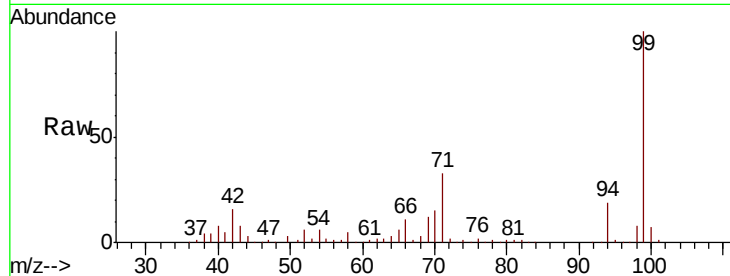
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 1002500

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.6  | 13.6  | 20.4  |
| 71  | 33.2  | 28.5  | 42.7  |

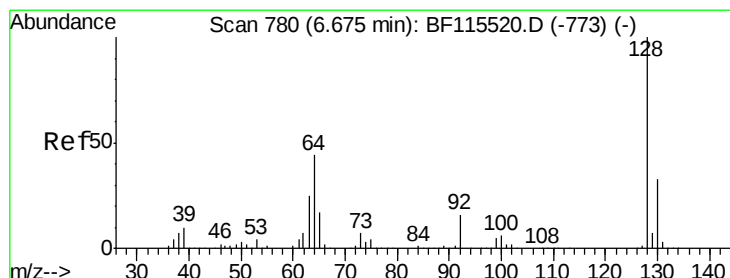
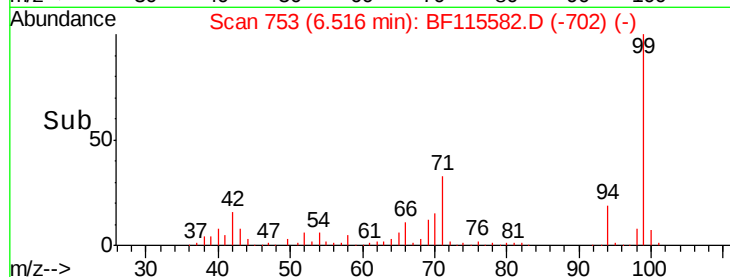
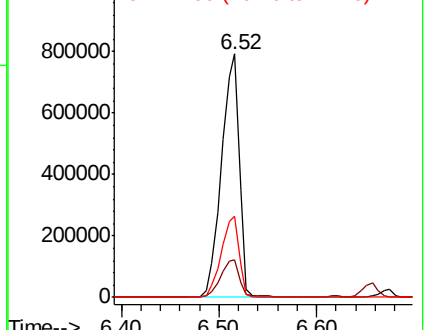


Abundance

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: 41.485 ng

RT: 6.67 min Scan# 780

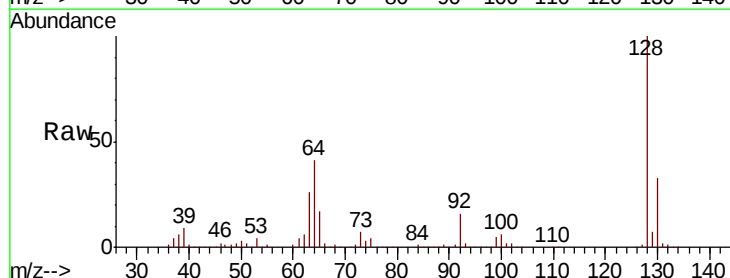
Delta R.T. 0.00 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Tgt Ion: 128 Resp: 455782

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.2  | 12.8  | 52.8  |
| 64  | 41.3  | 26.8  | 66.8  |

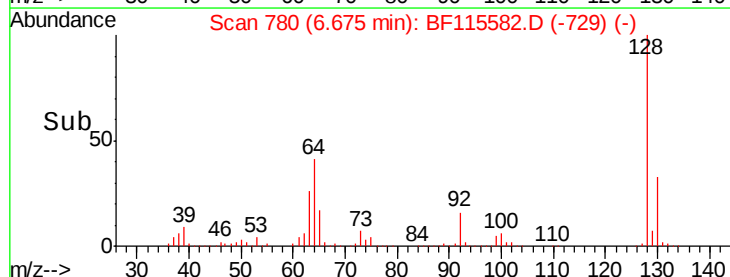
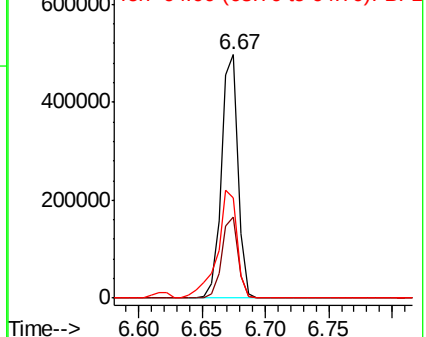


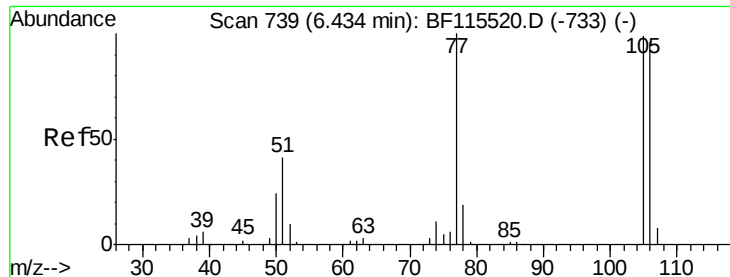
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 39.497 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

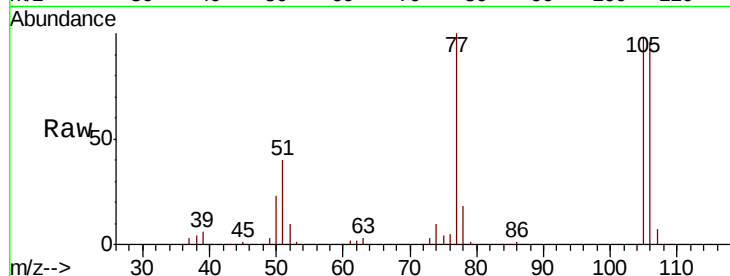
Tot Ion: 77 Resp: 299284

Ion Ratio Lower Upper

77 100

105 98.4 78.8 118.8

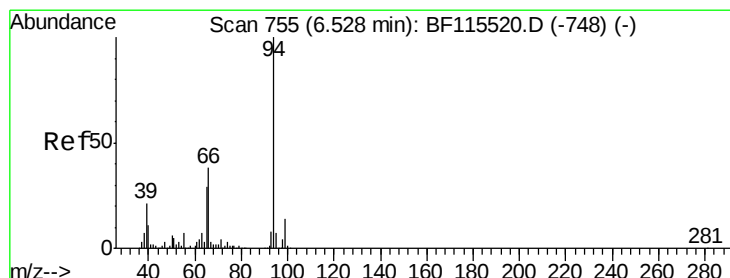
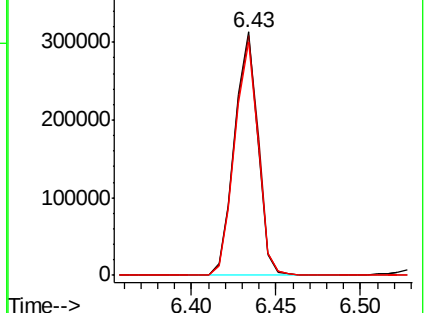
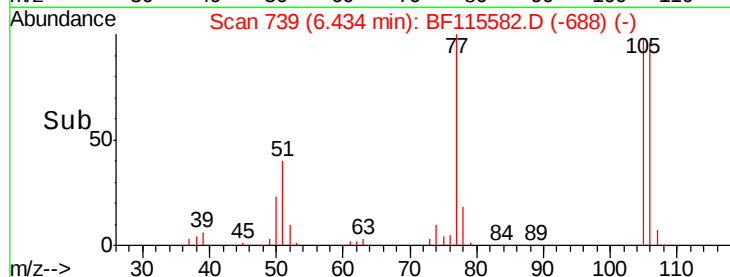
106 95.7 75.6 115.6



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: 41.837 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.00 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

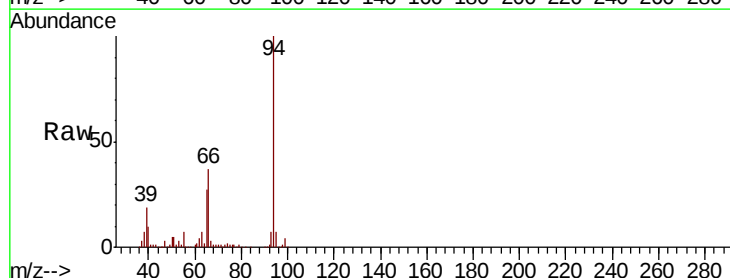
Tgt Ion: 94 Resp: 588906

Ion Ratio Lower Upper

94 100

65 27.3 14.5 54.5

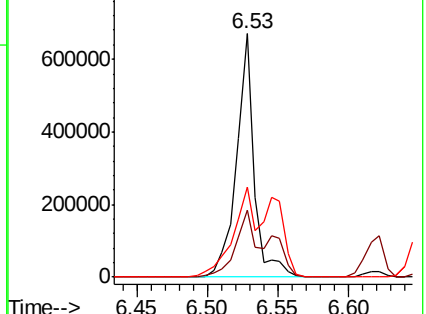
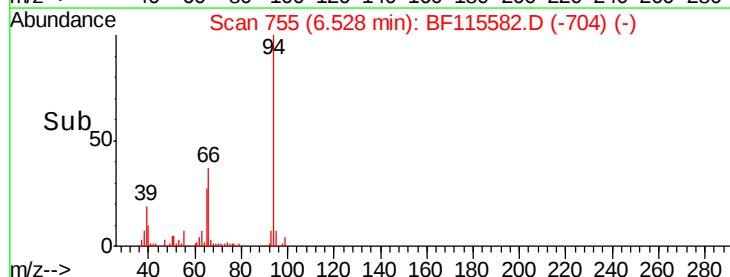
66 36.9 31.3 71.3

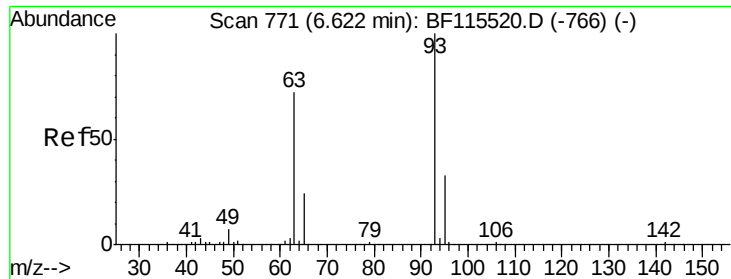


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 40.619 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.00 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

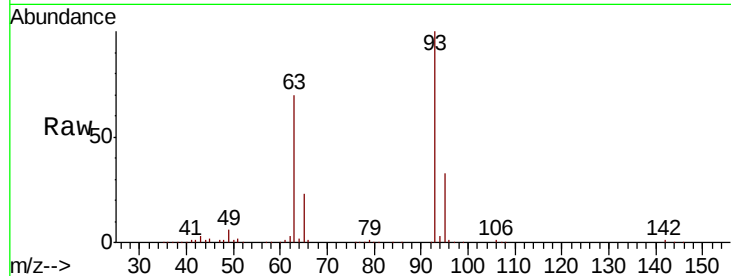
Tot Ion: 93 Resp: 435310

Ion Ratio Lower Upper

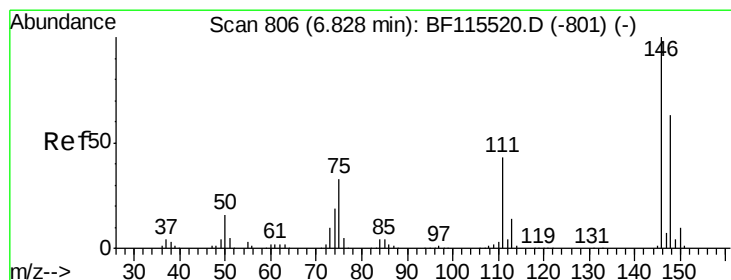
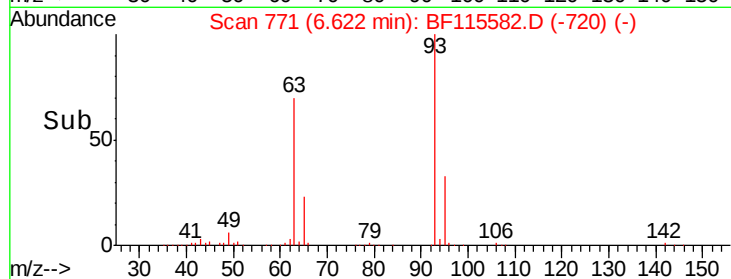
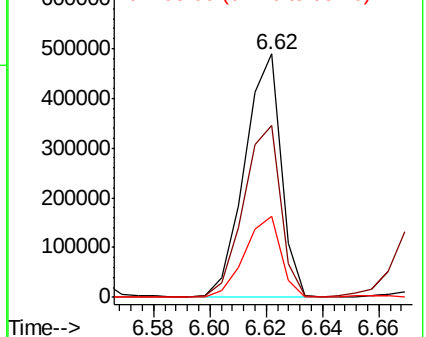
93 100

63 70.5 52.2 92.2

95 33.1 12.9 52.9



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: 41.238 ng

RT: 6.83 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

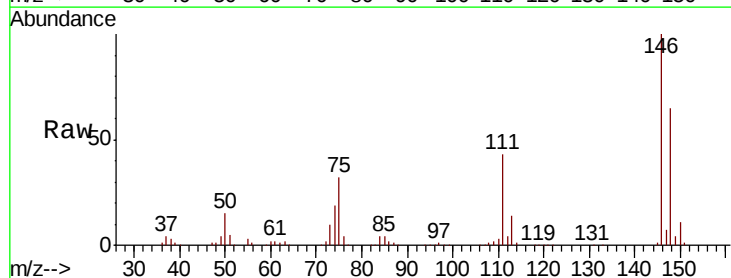
Tgt Ion: 146 Resp: 509394

Ion Ratio Lower Upper

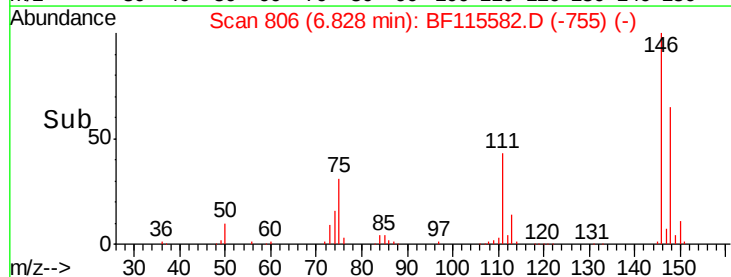
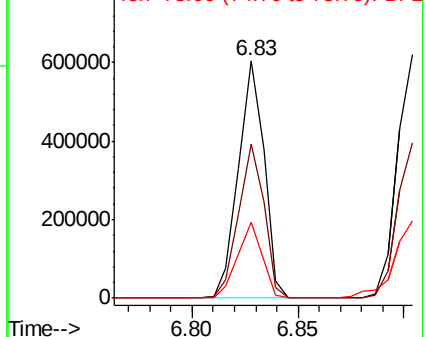
146 100

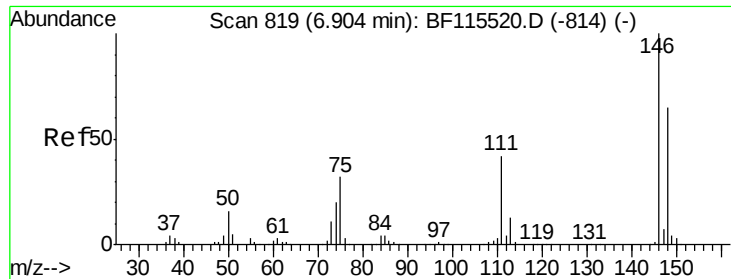
148 64.9 52.1 78.1

75 32.1 24.9 37.3



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

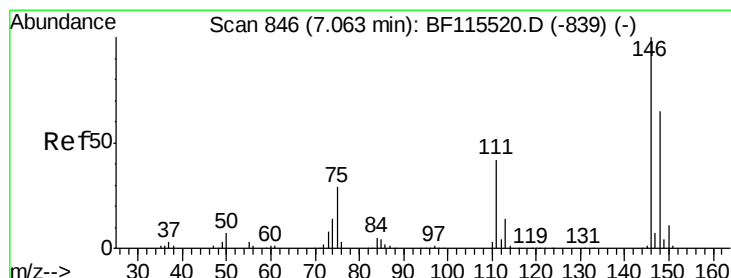
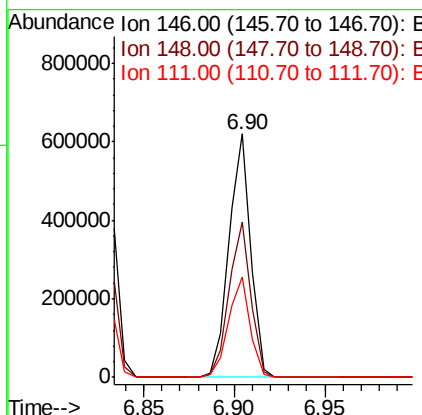
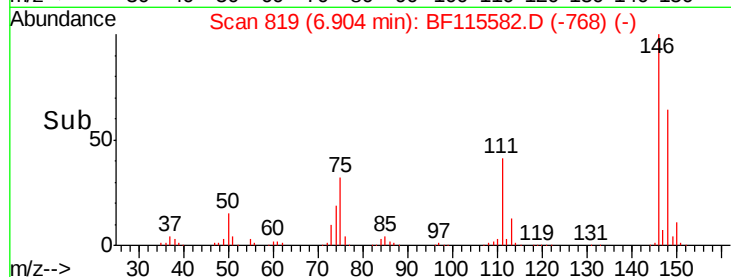
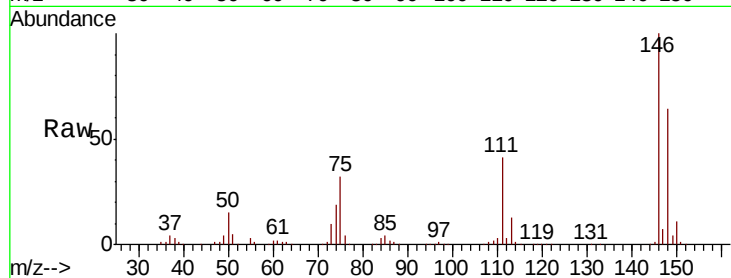




#13  
 1,4-Dichlorobenzene  
 Concen: 41.860 ng  
 RT: 6.90 min Scan# 819  
 Delta R.T. 0.00 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

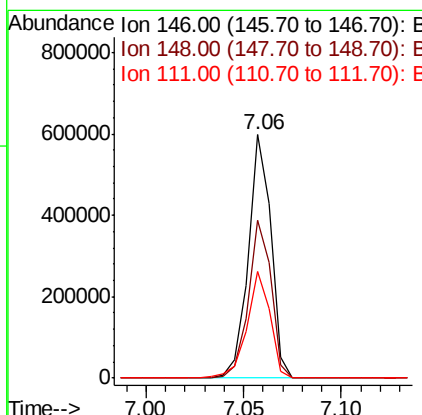
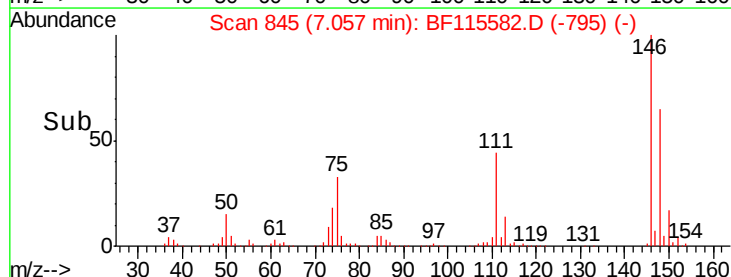
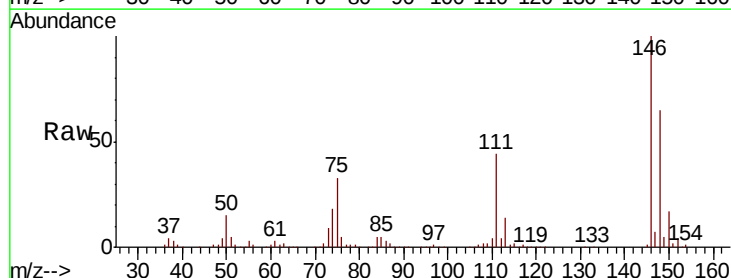
Instrument :  
 BNA\_F  
 ClientSampleId :

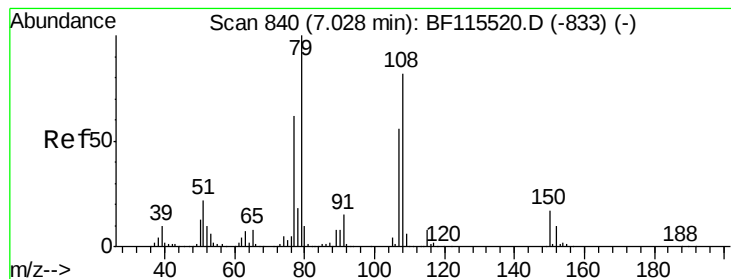
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.9  | 51.8  | 77.6  |
| 111     | 41.2  | 35.5  | 53.3  |



#14  
 1,2-Dichlorobenzene  
 Concen: 42.627 ng  
 RT: 7.06 min Scan# 845  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.6  | 51.1  | 76.7  |
| 111     | 44.1  | 37.6  | 56.4  |





#15

Benzyl Alcohol

Concen: 41.774 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

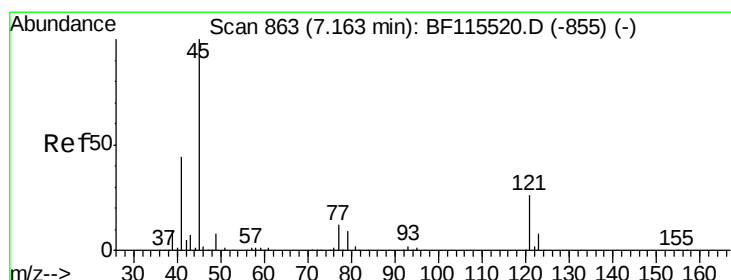
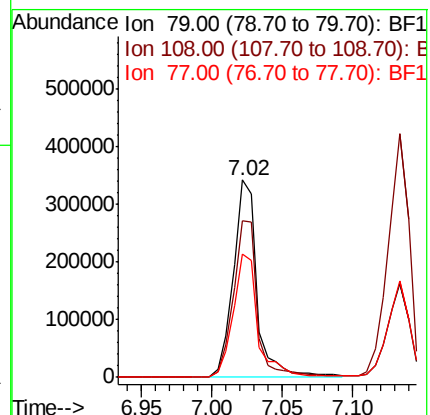
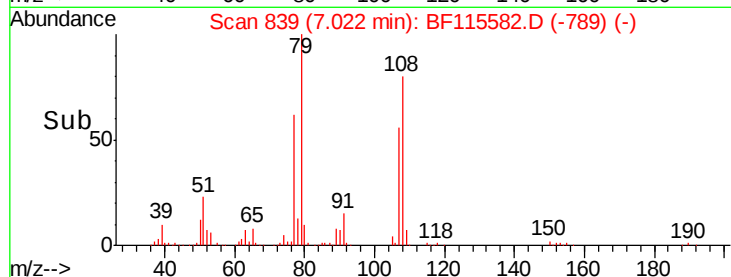
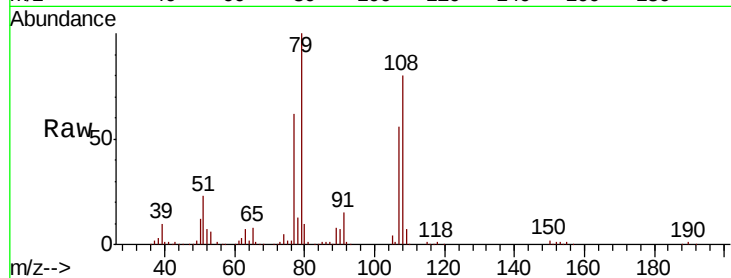
Tot Ion: 79 Resp: 401823

Ion Ratio Lower Upper

79 100

108 79.5 64.2 96.4

77 62.3 51.8 77.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.057 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

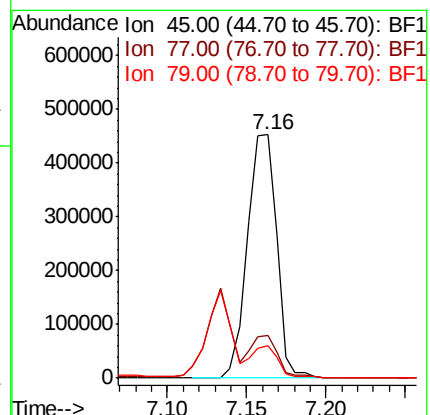
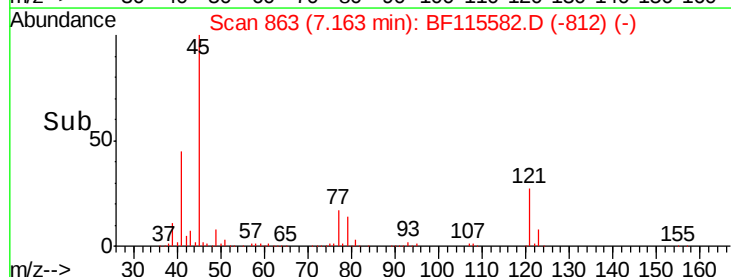
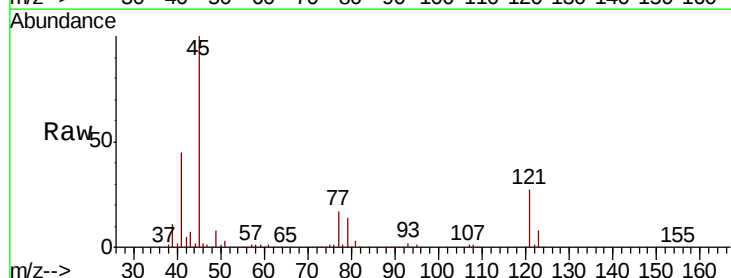
Tgt Ion: 45 Resp: 579279

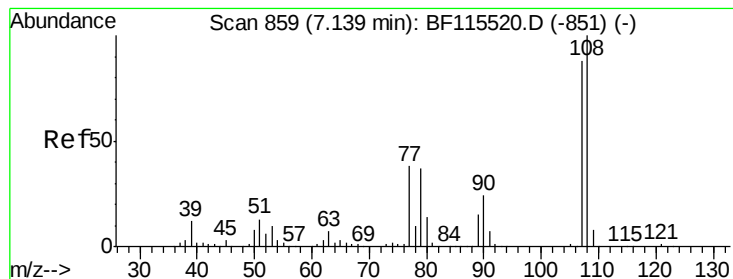
Ion Ratio Lower Upper

45 100

77 17.3 0.0 38.1

79 13.5 0.0 34.1

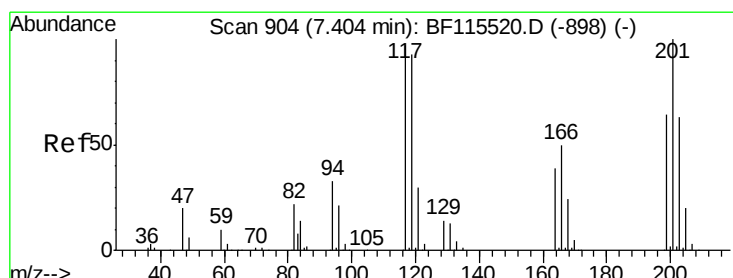
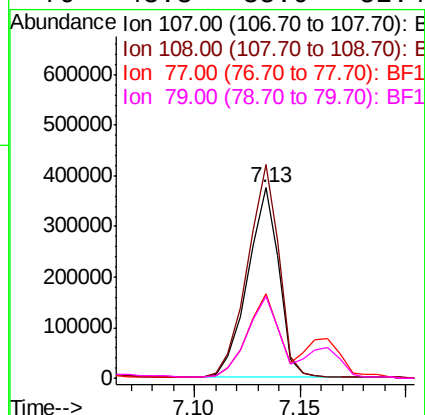
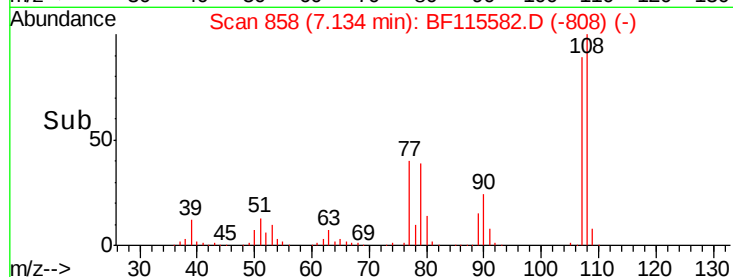
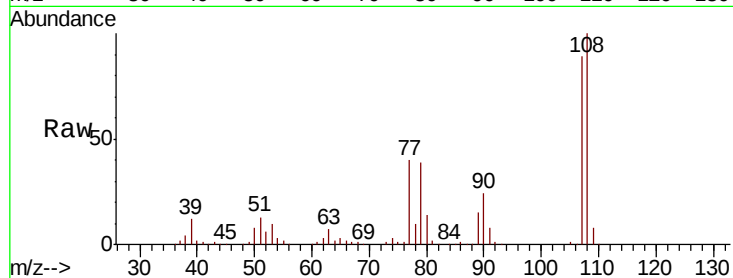




#17  
2-Methylphenol  
Concen: 40.805 ng  
RT: 7.13 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

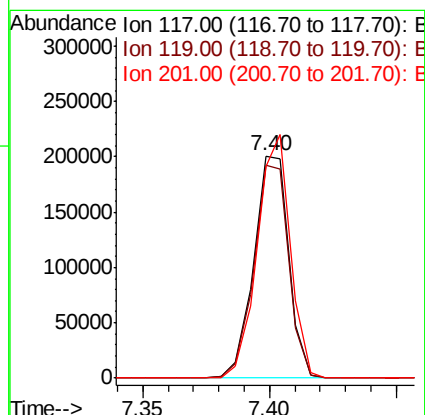
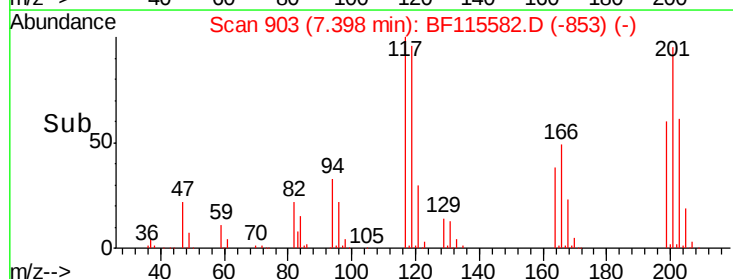
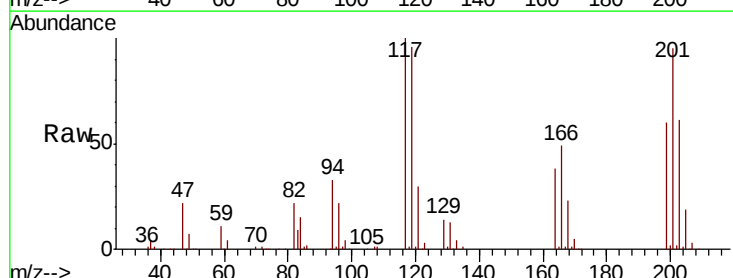
Instrument :  
BNA\_F  
ClientSampleId :

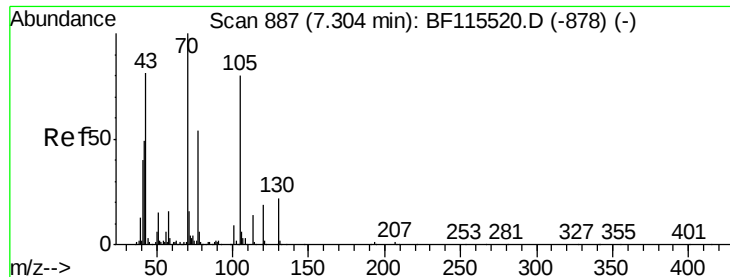
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 112.1 | 89.4  | 134.2 |
| 77      | 44.4  | 35.7  | 53.5  |
| 79      | 43.3  | 35.0  | 52.4  |



#18  
Hexachloroethane  
Concen: 41.929 ng  
RT: 7.40 min Scan# 903  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.6  | 77.7  | 116.5 |
| 201     | 95.3  | 86.0  | 129.0 |

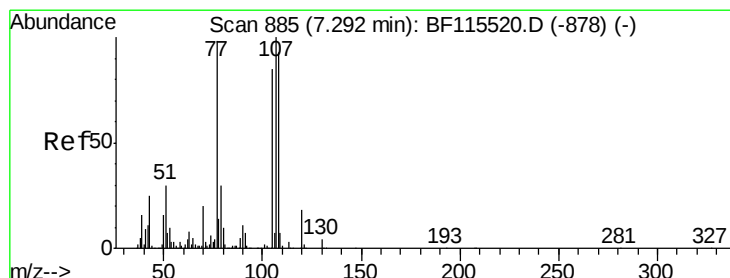
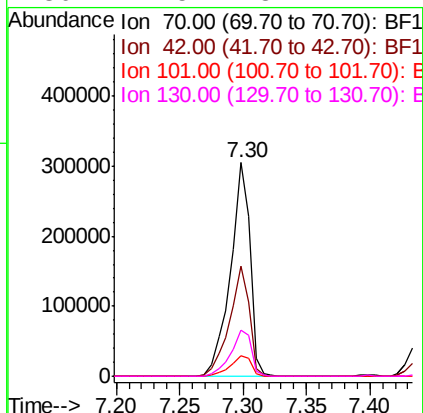
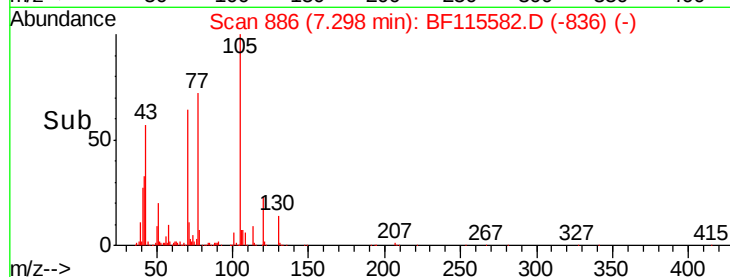
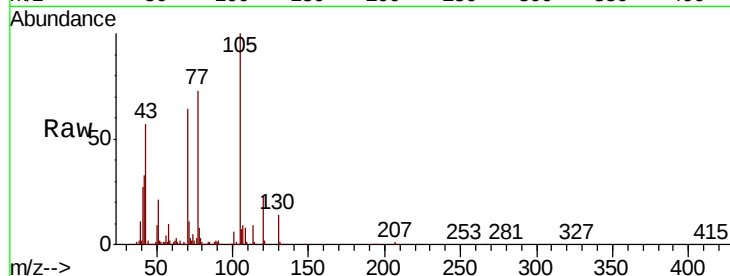




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.914 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

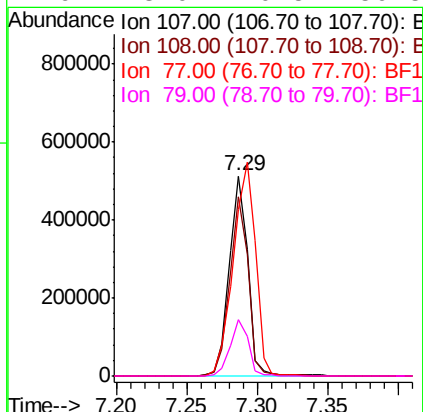
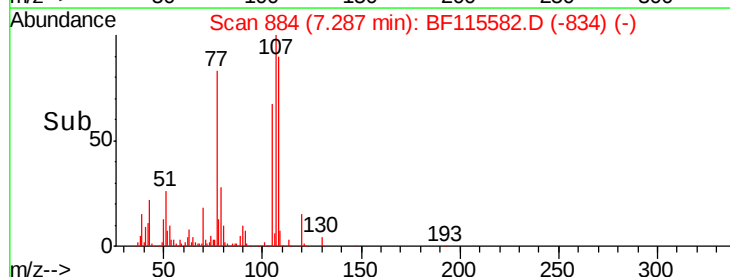
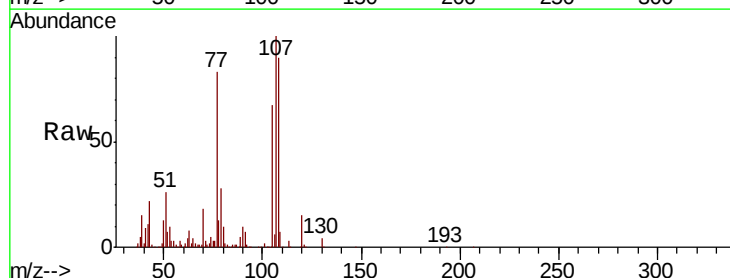
Instrument :  
BNA\_F  
ClientSampleId :

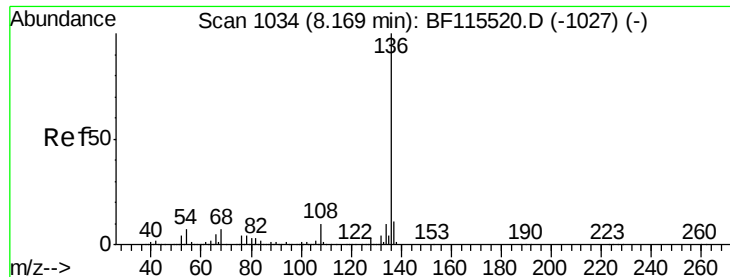
Tot Ion: 70 Resp: 323548  
Ion Ratio Lower Upper  
70 100  
42 51.5 39.6 59.4  
101 9.9 8.1 12.1  
130 21.5 18.2 27.2



#20  
3+4-Methylphenols  
Concen: 41.477 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Tgt Ion: 107 Resp: 466470  
Ion Ratio Lower Upper  
107 100  
108 89.6 72.9 112.9  
77 83.4 77.6 117.6  
79 28.0 10.5 50.5

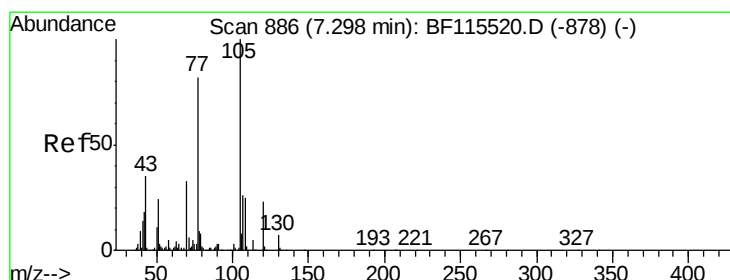
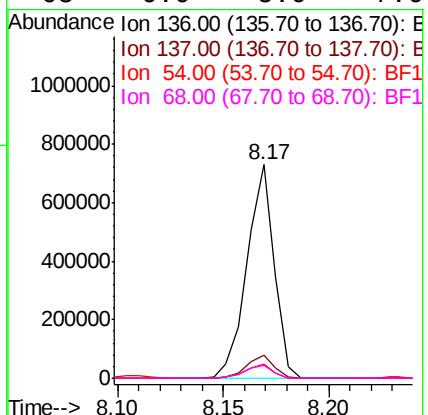
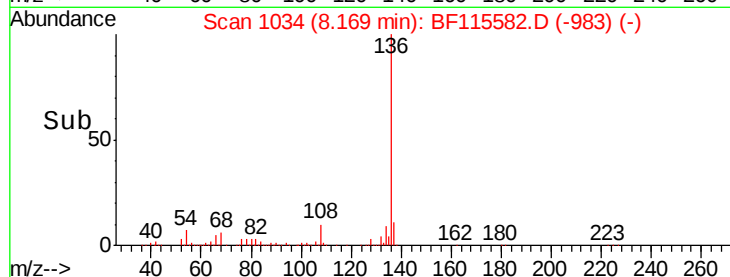
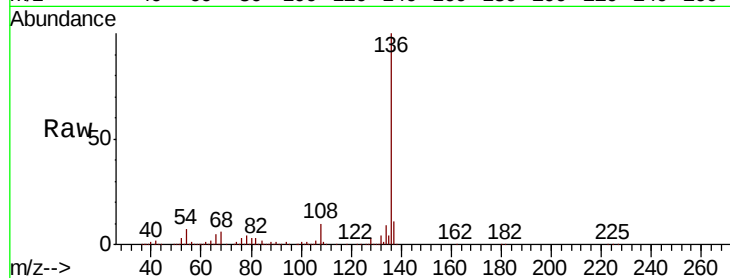




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

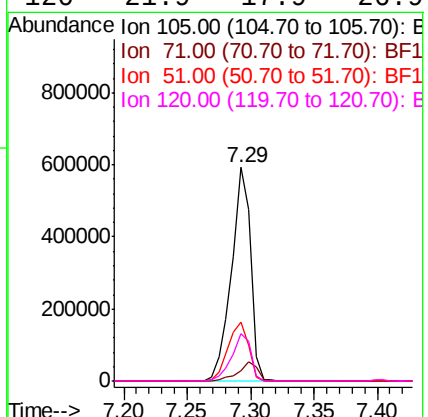
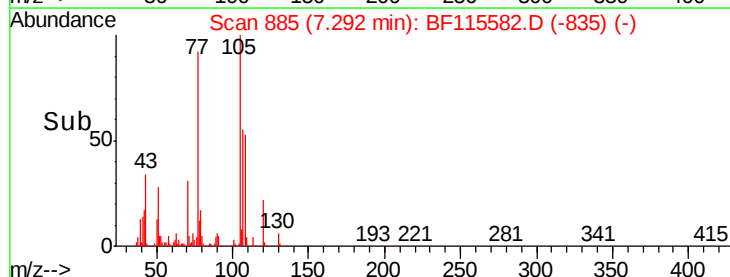
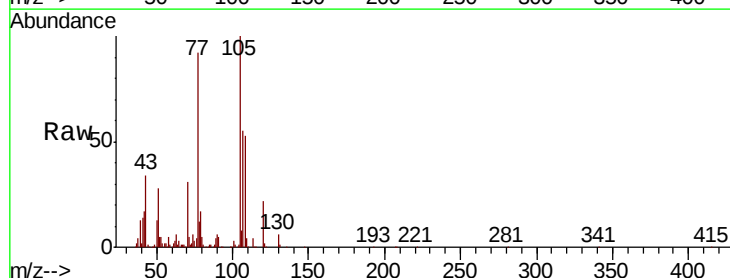
Instrument :  
BNA\_F  
ClientSampleId :

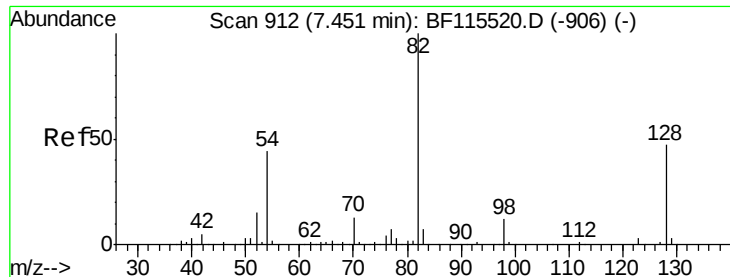
|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 656167 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.8    | 9.0 13.4     |
| 54 6.7      | 5.6 8.4      |
| 68 6.0      | 5.0 7.6      |



#22  
Acetophenone  
Concen: 41.392 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 613590 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 5.0     | 3.5   | 5.3    |
| 51  | 27.6    | 25.6  | 38.4   |
| 120 | 21.9    | 17.9  | 26.9   |

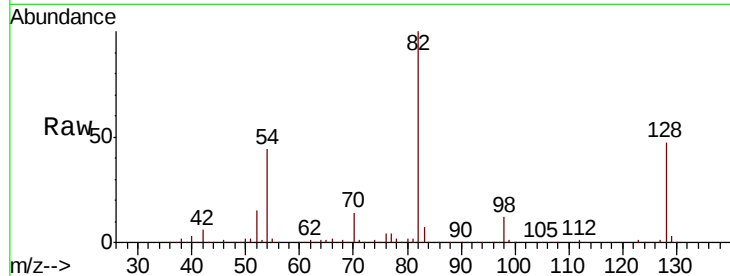




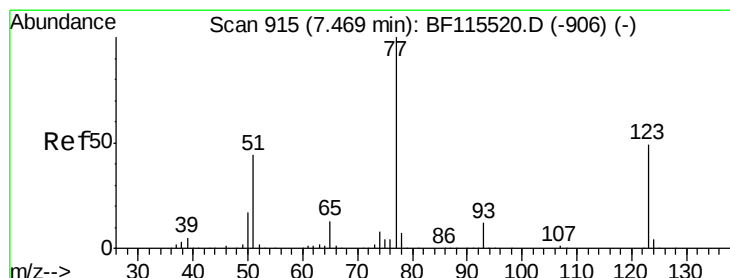
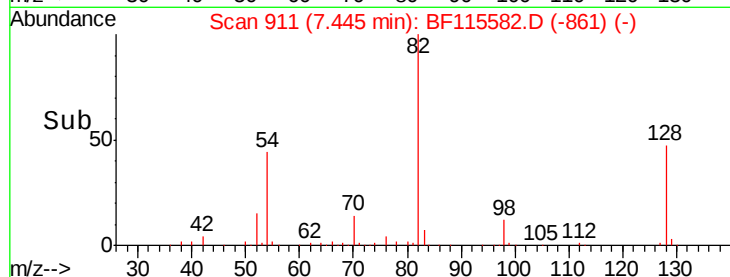
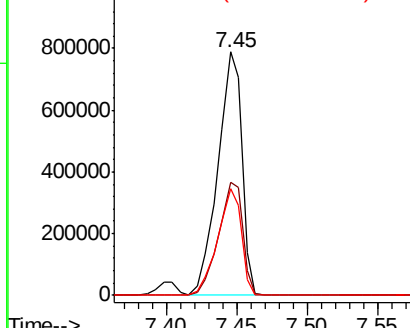
#23  
Nitrobenzene-d5  
Concen: 82.713 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.5  | 38.6  | 57.8  |
| 54      | 44.0  | 35.6  | 53.4  |

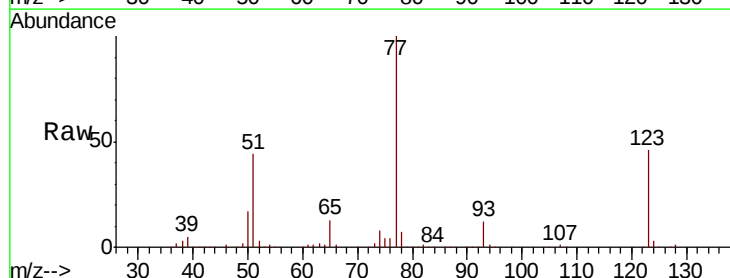


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

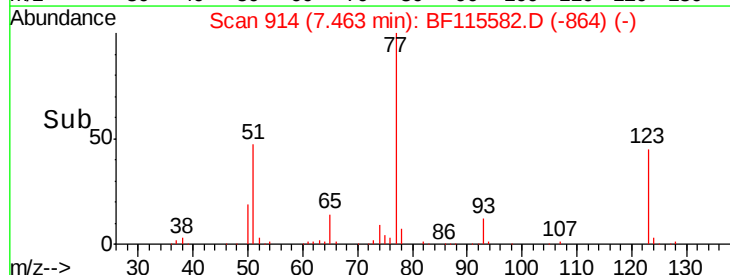
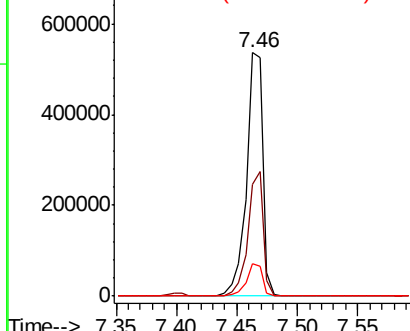


#24  
Nitrobenzene  
Concen: 41.719 ng  
RT: 7.46 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 45.9  | 40.0  | 60.0  |
| 65      | 13.1  | 11.0  | 16.4  |



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

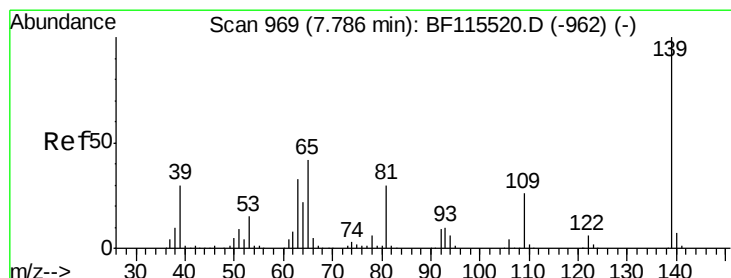
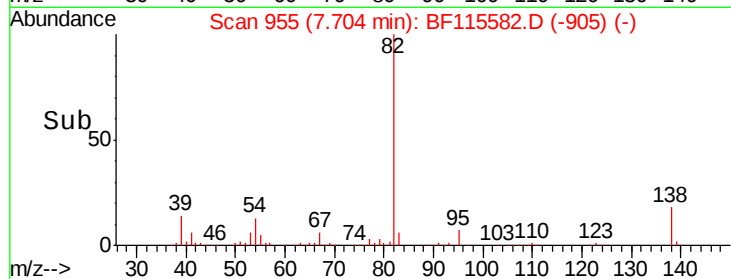
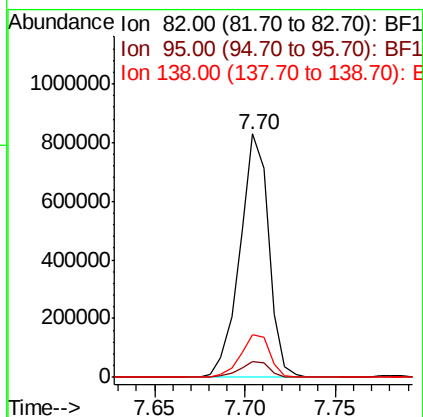
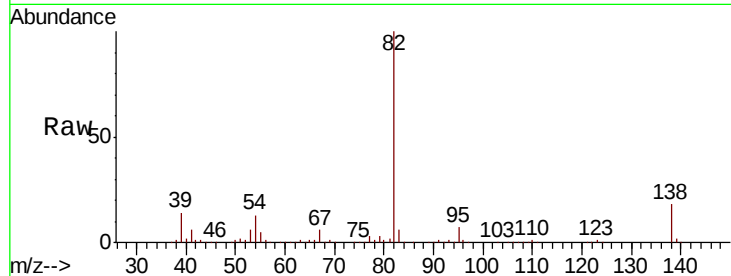




#25  
Isophorone  
Concen: 40.513 ng  
RT: 7.70 min Scan# 955  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

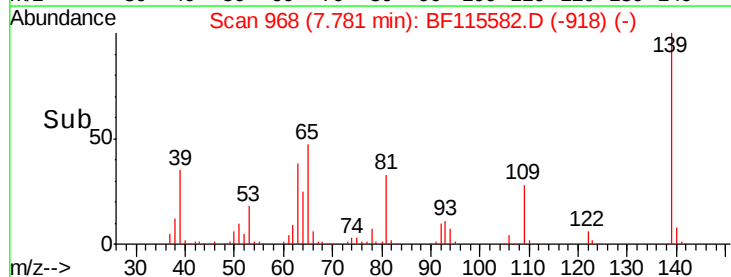
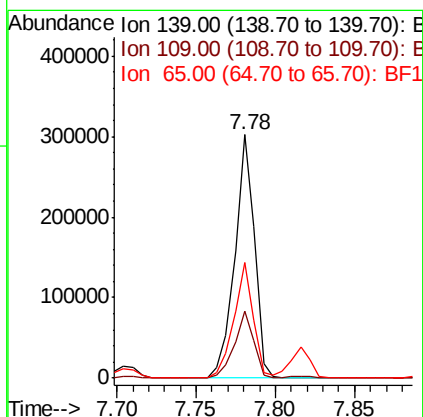
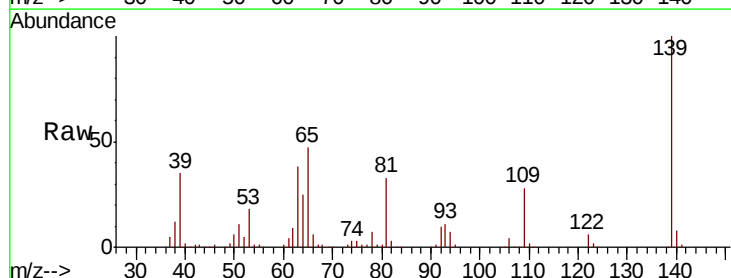
Instrument :  
BNA\_F  
ClientSampleId :

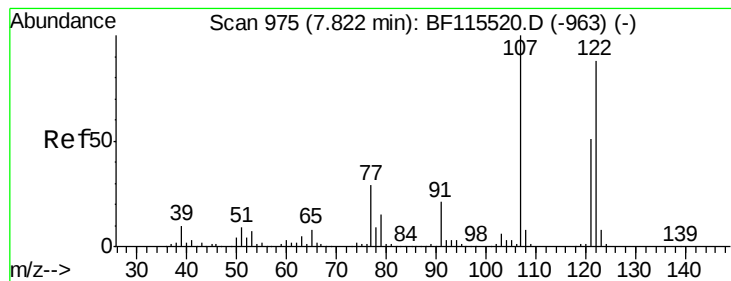
Tot Ion: 82 Resp: 914812  
Ion Ratio Lower Upper  
82 100  
95 6.6 5.5 8.3  
138 17.5 14.9 22.3



#26  
2-Nitrophenol  
Concen: 41.756 ng  
RT: 7.78 min Scan# 968  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Tgt Ion: 139 Resp: 261596  
Ion Ratio Lower Upper  
139 100  
109 27.7 23.3 34.9  
65 47.3 37.9 56.9





#27

2,4-Dimethylphenol

Concen: 37.968 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

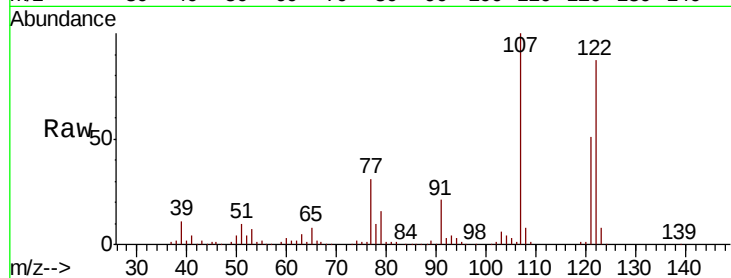
Tot Ion:122 Resp: 355903

Ion Ratio Lower Upper

122 100

107 114.8 92.9 139.3

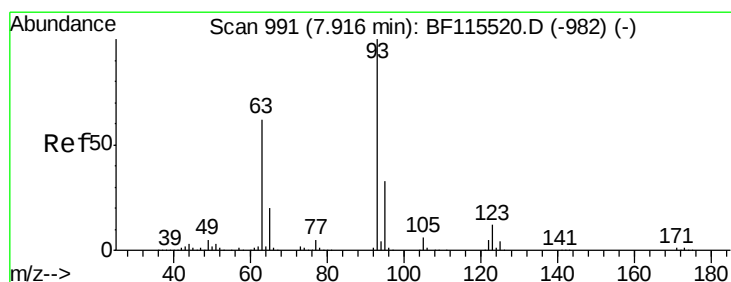
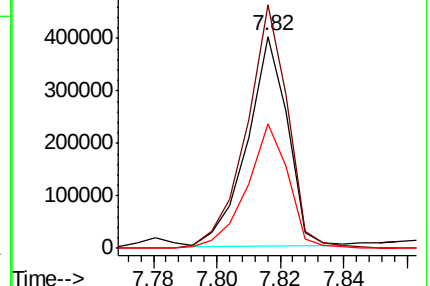
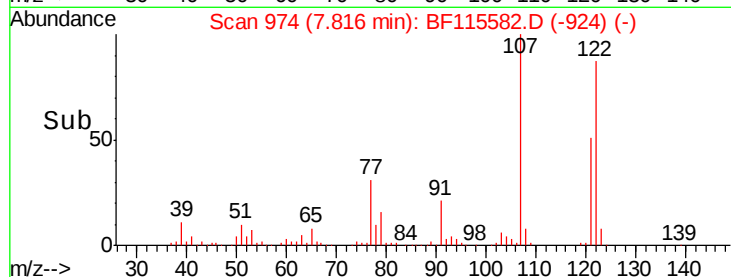
121 58.5 46.9 70.3



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: 41.078 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.00 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

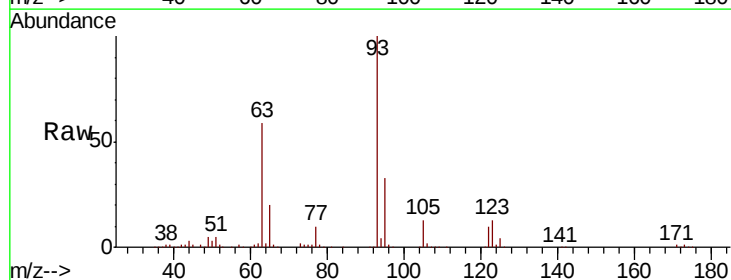
Tgt Ion: 93 Resp: 569052

Ion Ratio Lower Upper

93 100

95 33.0 27.0 40.4

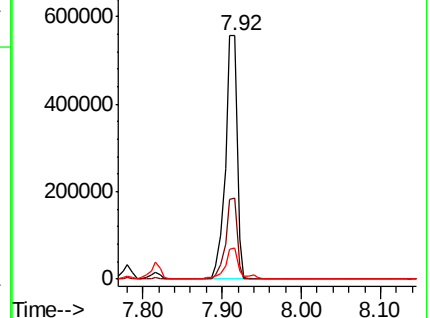
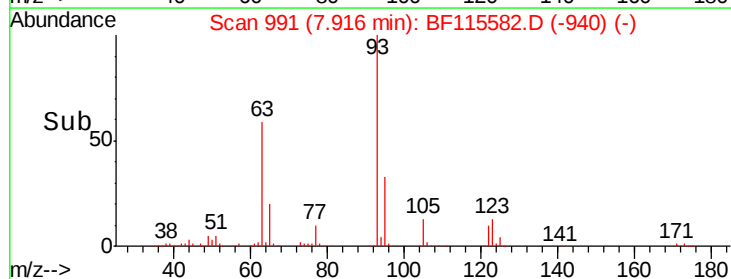
123 12.9 9.9 14.9

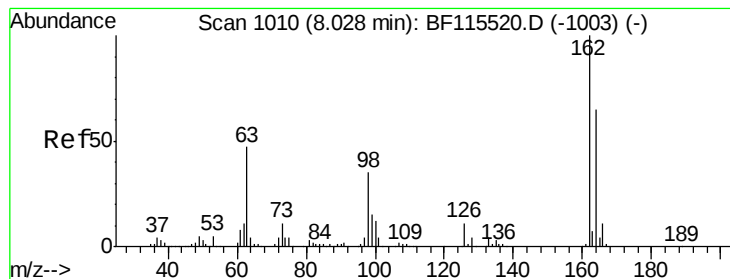


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 41.219 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

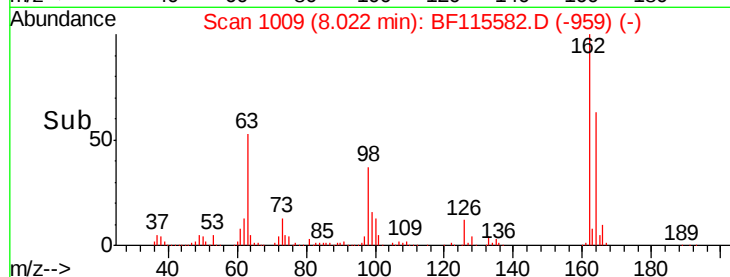
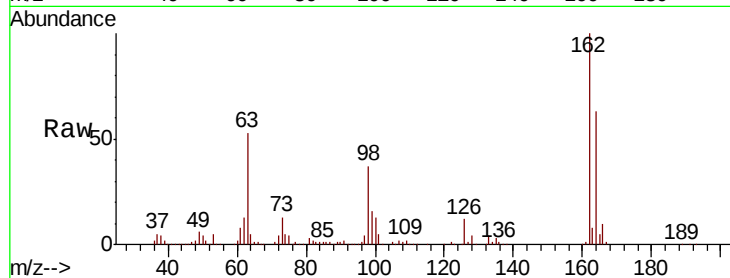
Tot Ion:162 Resp: 401836

Ion Ratio Lower Upper

162 100

164 63.4 44.9 84.9

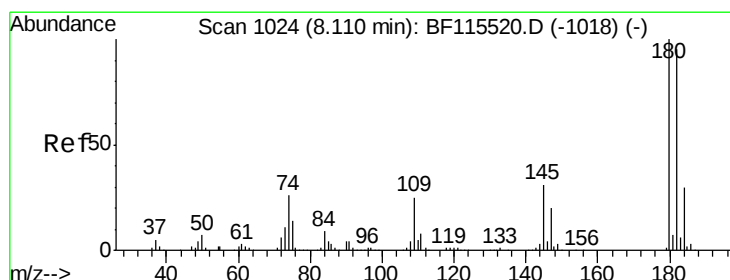
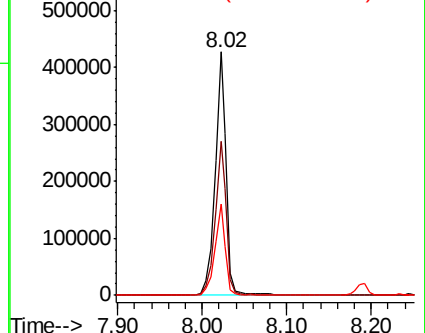
98 37.4 17.7 57.7



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: 41.287 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

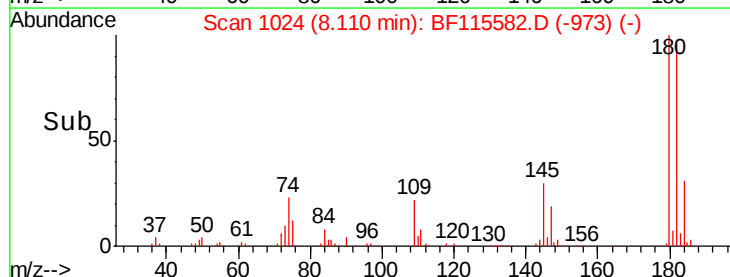
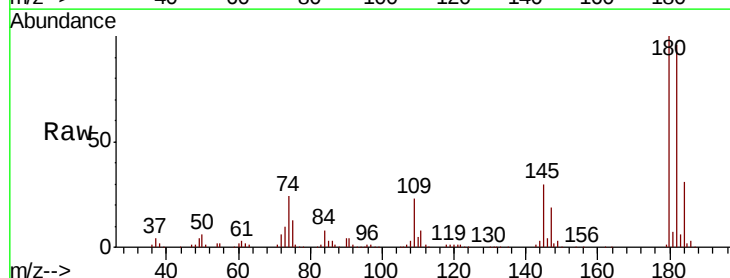
Tgt Ion:180 Resp: 454974

Ion Ratio Lower Upper

180 100

182 95.6 75.0 112.6

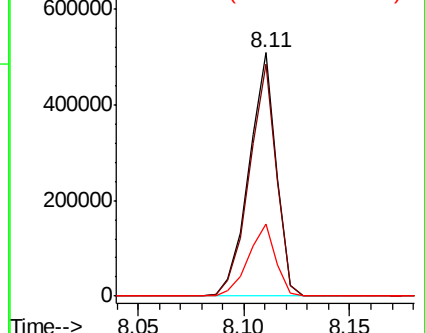
145 29.5 25.1 37.7

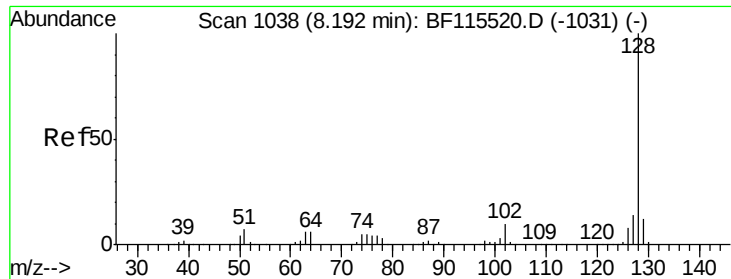


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

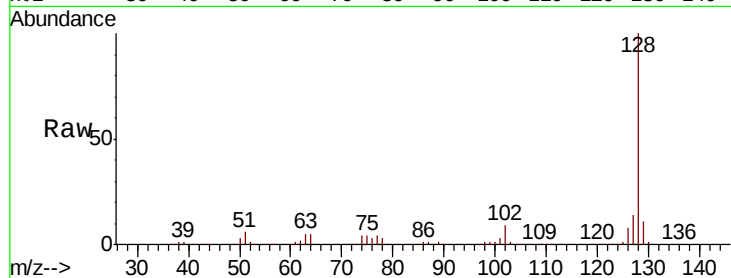




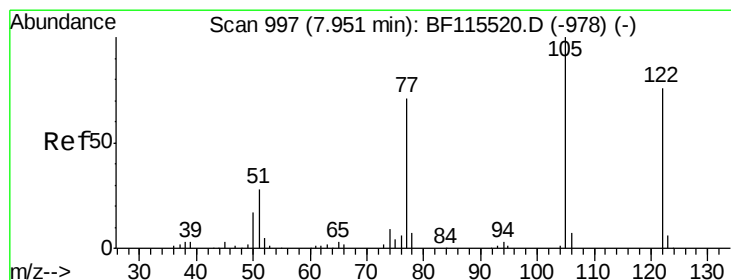
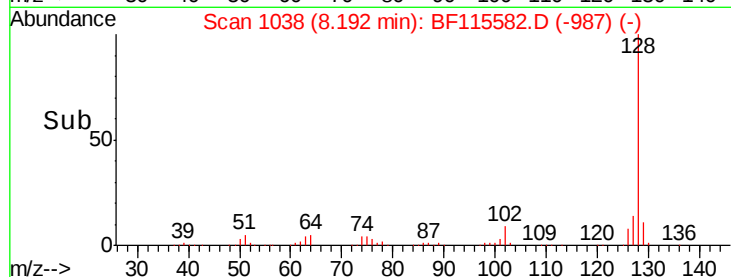
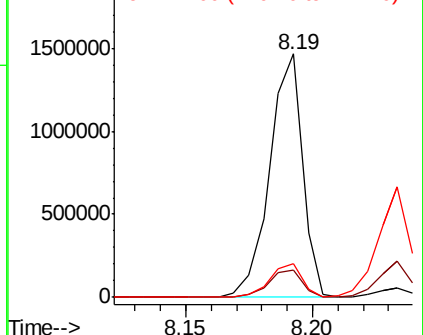
#31  
Naphthalene  
Concen: 41.544 ng  
RT: 8.19 min Scan# 1038  
Delta R.T. 0.00 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:128 Resp: 1320195  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.9 14.9  
127 13.8 12.1 18.1

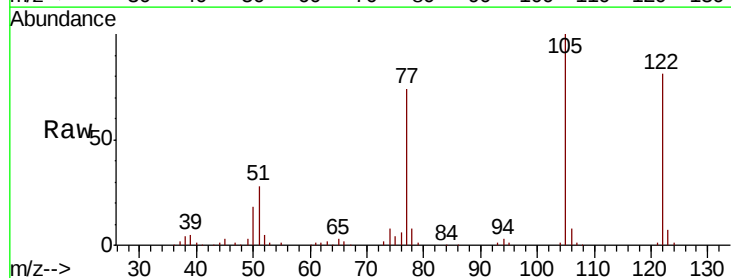


Abundance Ion 128.00 (127.70 to 128.70): E  
2000000 Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

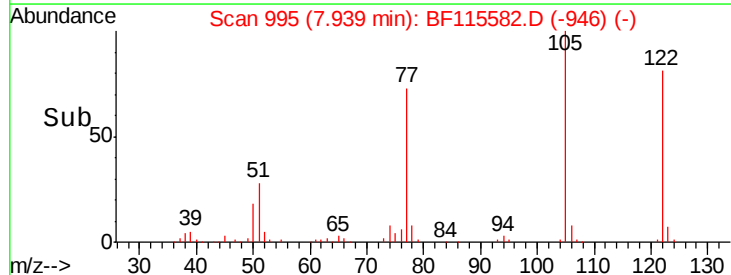
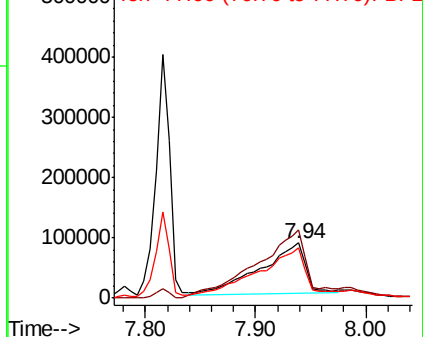


#32  
Benzoic acid  
Concen: 31.369 ng  
RT: 7.94 min Scan# 995  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Tgt Ion:122 Resp: 241316  
Ion Ratio Lower Upper  
122 100  
105 124.0 102.5 142.5  
77 91.3 70.2 110.2



Abundance Ion 122.00 (121.70 to 122.70): E  
500000 Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1

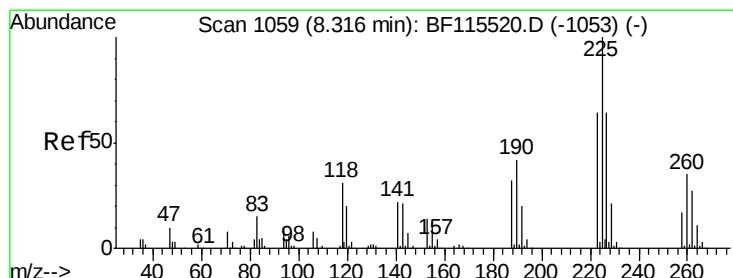
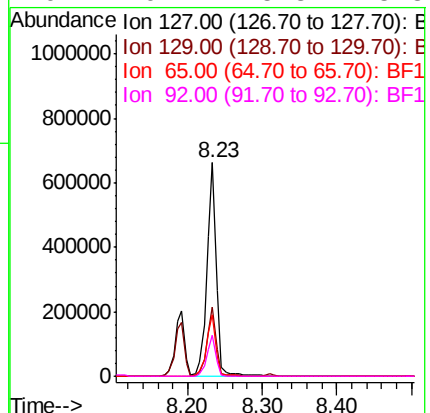
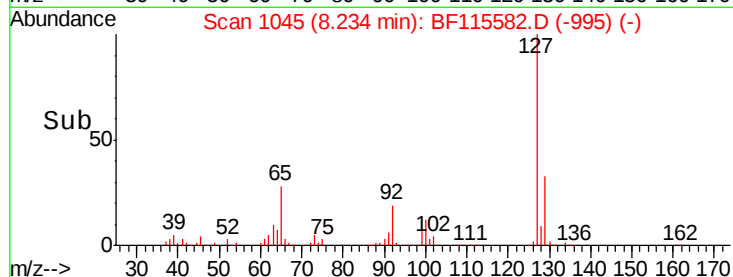
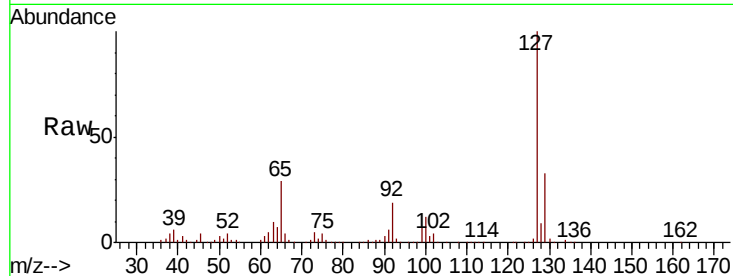




#33  
4-Chloroaniline  
Concen: 41.734 ng  
RT: 8.23 min Scan# 1045  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

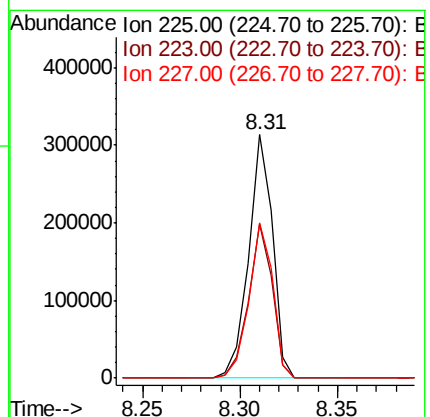
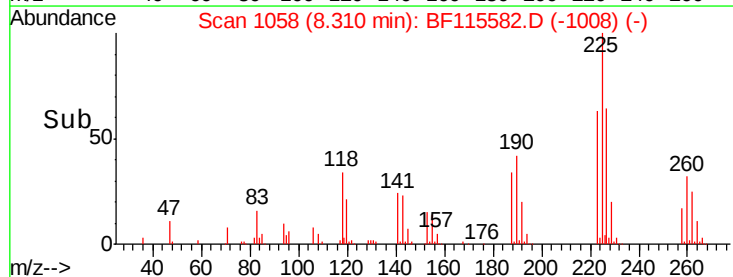
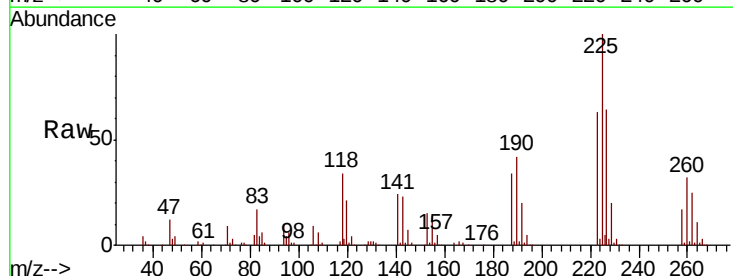
Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 587450 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.5  | 26.6  | 39.8   |
| 65       | 28.6  | 23.7  | 35.5   |
| 92       | 19.1  | 15.8  | 23.8   |



#34  
Hexachlorobutadiene  
Concen: 42.021 ng  
RT: 8.31 min Scan# 1058  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 265545 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.2  | 50.9  | 76.3   |
| 227      | 63.8  | 50.7  | 76.1   |

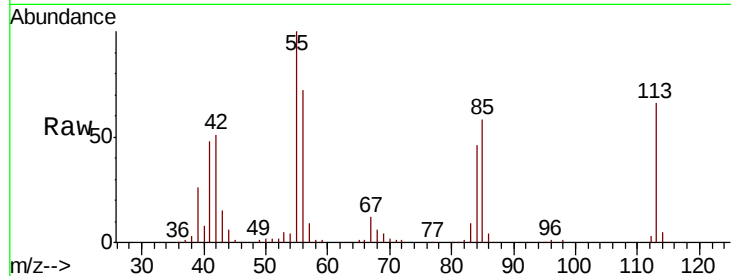




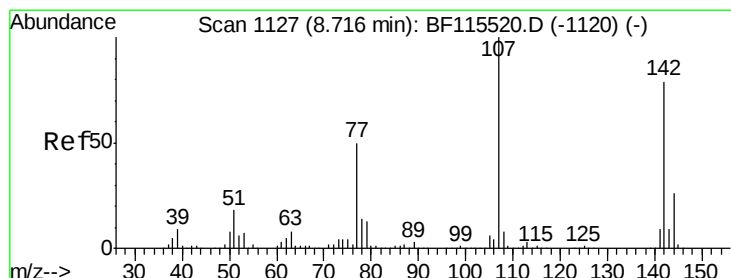
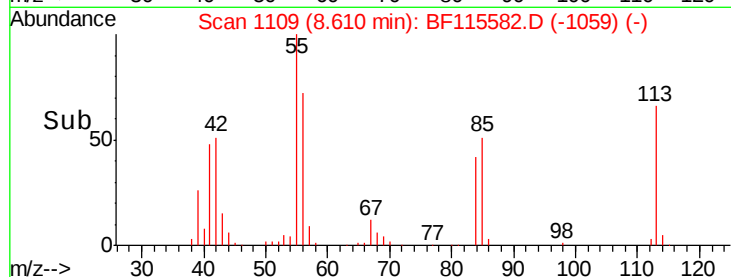
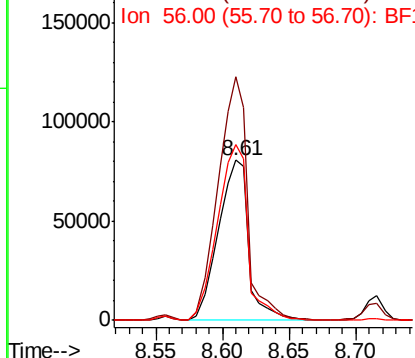
#35  
Caprolactam  
Concen: 42.684 ng  
RT: 8.61 min Scan# 1109  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:113 Resp: 128585  
Ion Ratio Lower Upper  
113 100  
55 152.1 126.9 166.9  
56 110.2 90.3 130.3

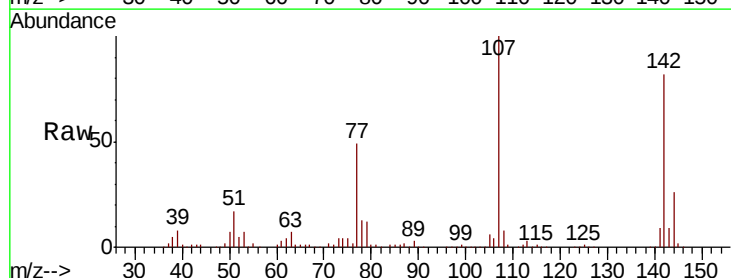


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

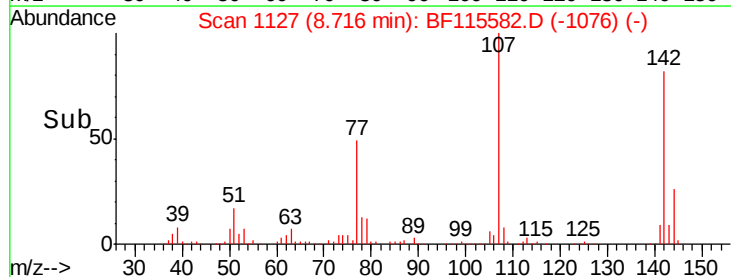
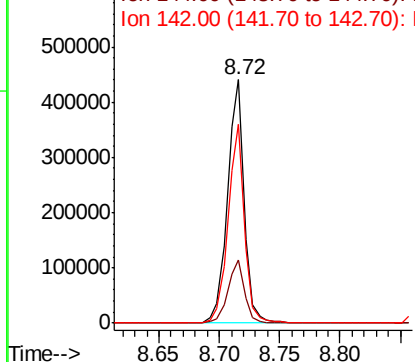


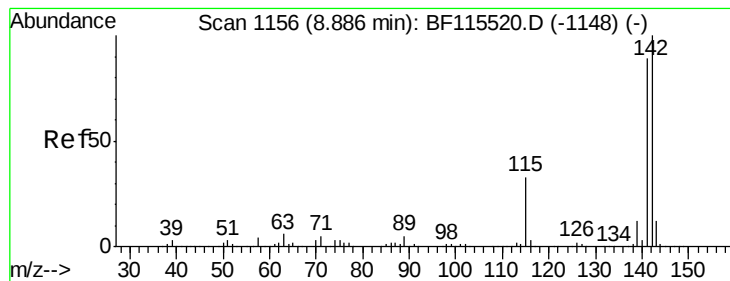
#36  
4-Chloro-3-methylphenol  
Concen: 41.826 ng  
RT: 8.72 min Scan# 1127  
Delta R.T. 0.00 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Tgt Ion:107 Resp: 422963  
Ion Ratio Lower Upper  
107 100  
144 26.1 20.6 30.8  
142 81.6 63.1 94.7



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: 42.164 ng

RT: 8.88 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampled :

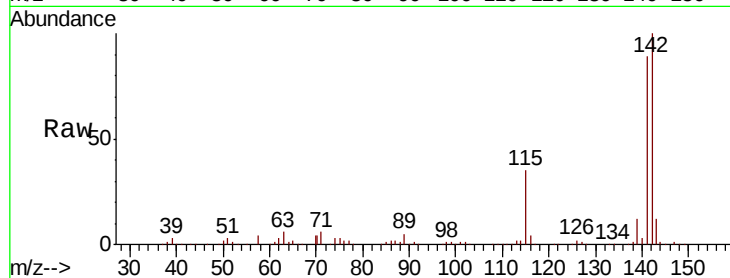
Tot Ion:142 Resp: 888183

Ion Ratio Lower Upper

142 100

141 89.3 72.0 108.0

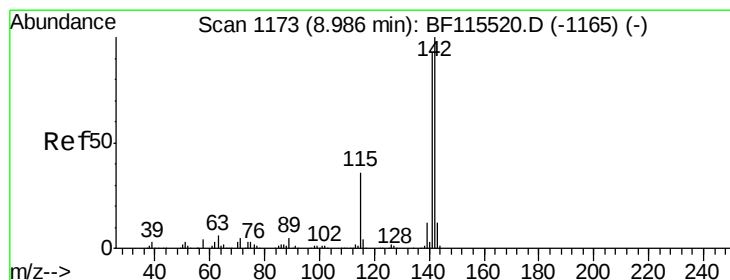
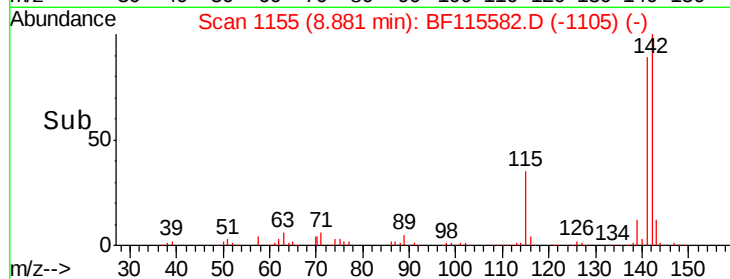
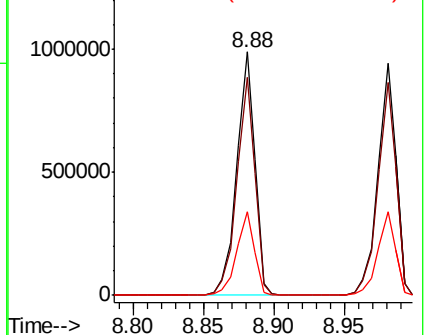
115 34.5 29.9 44.9



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: 42.060 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

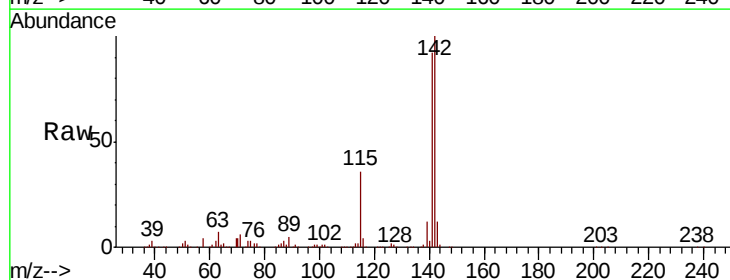
Tgt Ion:142 Resp: 841541

Ion Ratio Lower Upper

142 100

141 92.0 75.3 112.9

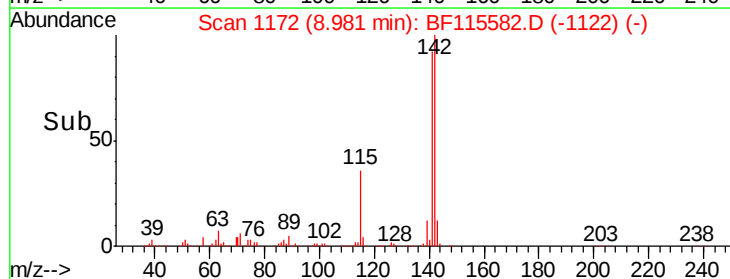
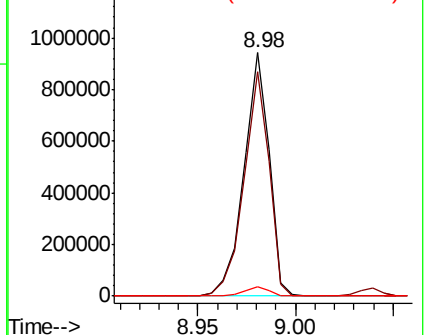
116 3.7 3.3 4.9



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

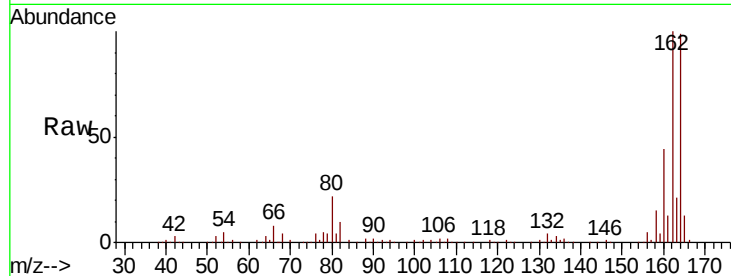




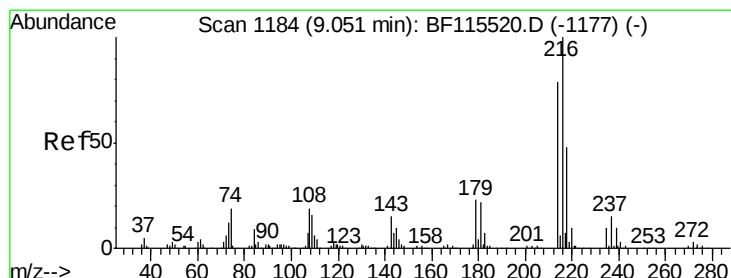
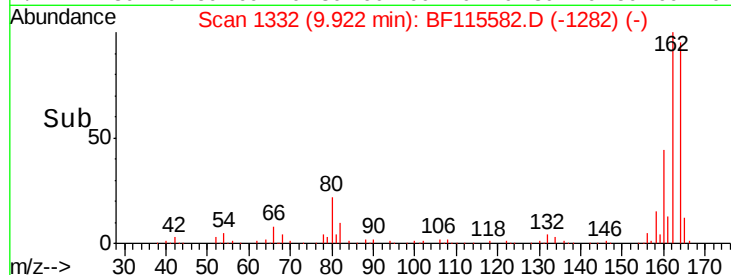
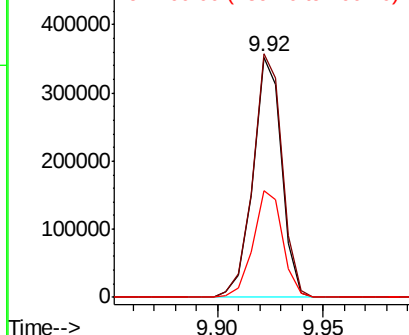
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 332045  
Ion Ratio Lower Upper  
164 100  
162 101.4 82.9 124.3  
160 44.6 36.8 55.2

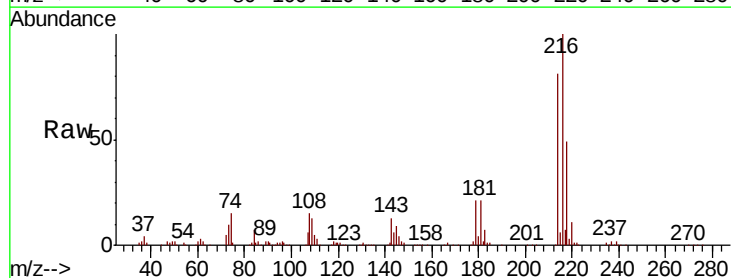


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

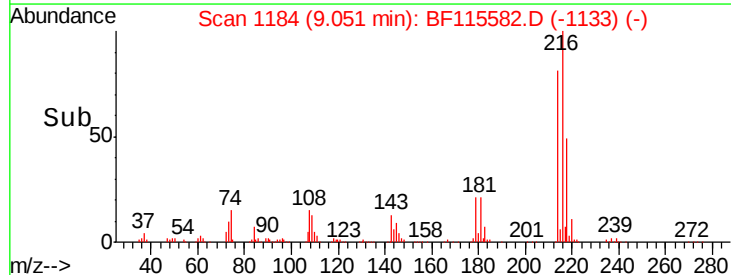
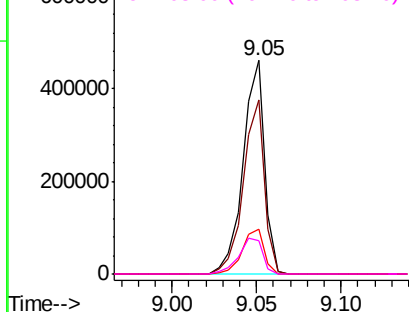


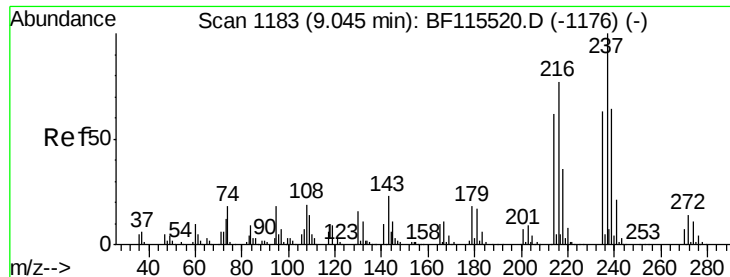
#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 40.958 ng  
RT: 9.05 min Scan# 1184  
Delta R.T. 0.00 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Tgt Ion:216 Resp: 409539  
Ion Ratio Lower Upper  
216 100  
214 79.8 65.1 97.7  
179 21.7 18.3 27.5  
108 18.9 15.7 23.5



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: 39.464 ng

RT: 9.04 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

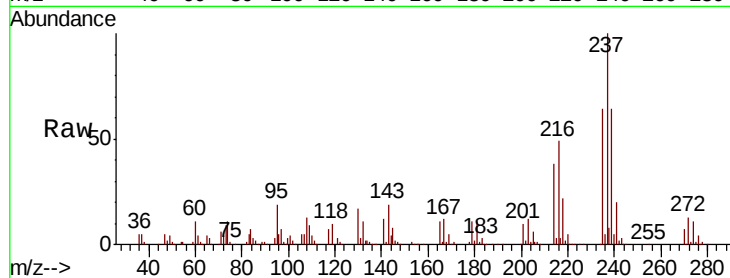
Tot Ion:237 Resp: 225096

Ion Ratio Lower Upper

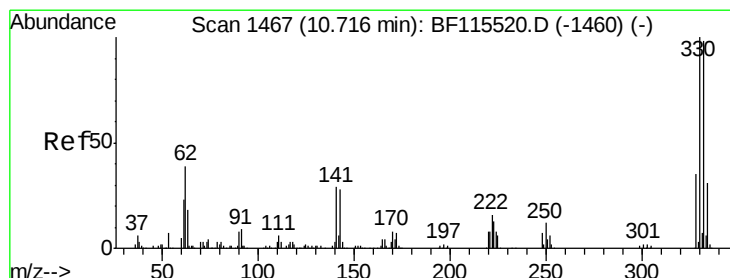
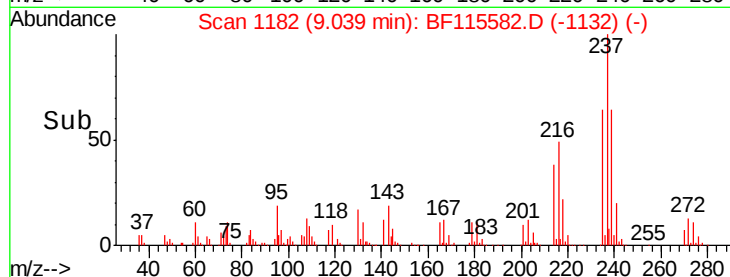
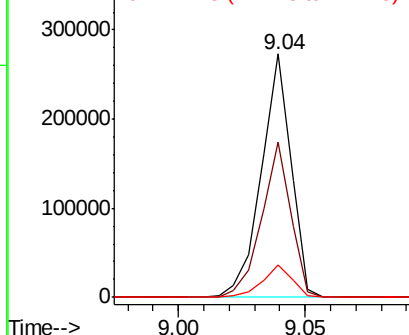
237 100

235 63.6 43.6 83.6

272 13.1 0.0 33.9



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: 83.861 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

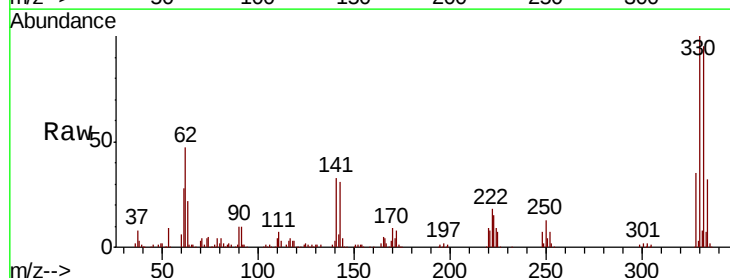
Tgt Ion:330 Resp: 325027

Ion Ratio Lower Upper

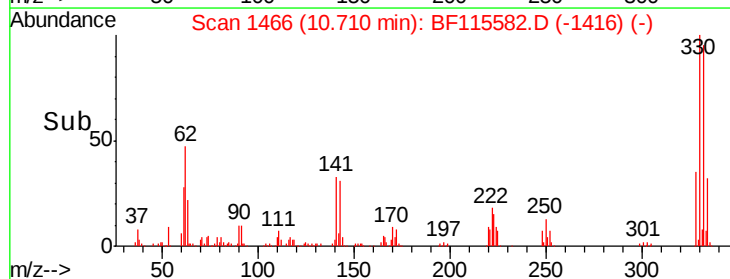
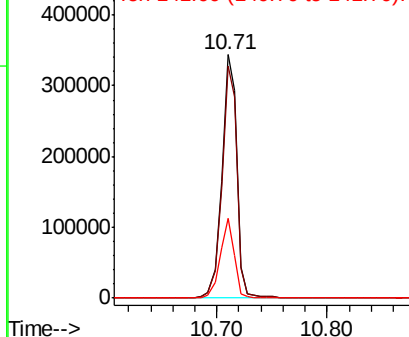
330 100

332 95.7 77.4 116.2

141 30.8 22.4 33.6



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

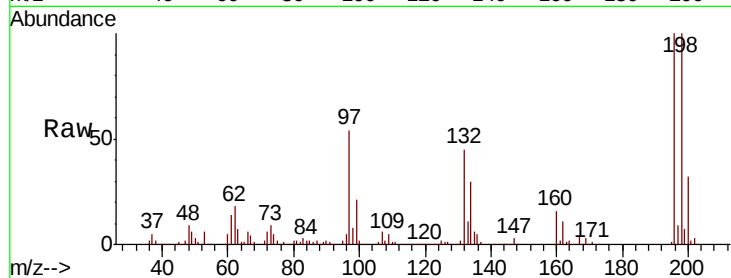




#43  
 2,4,6-Trichlorophenol  
 Concen: 39.812 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 100.1 | 80.6  | 121.0 |
| 200     | 31.7  | 25.8  | 38.6  |

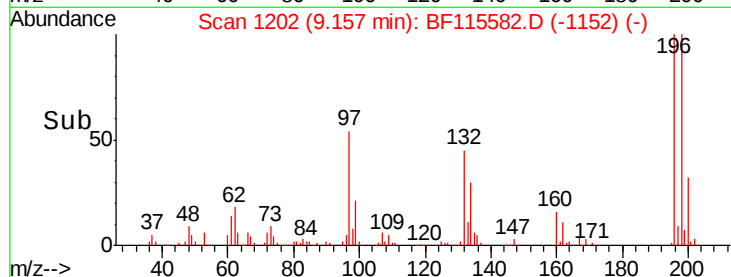
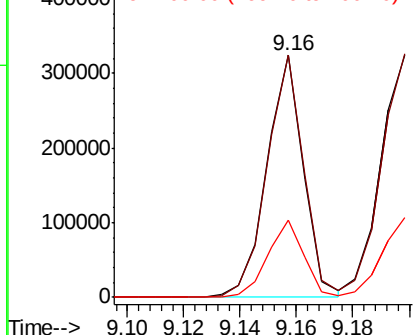


Abundance

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: 41.556 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. 0.00 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 100.4 | 79.6  | 119.4 |
| 97      | 45.0  | 37.8  | 56.6  |
| 132     | 27.8  | 22.8  | 34.2  |

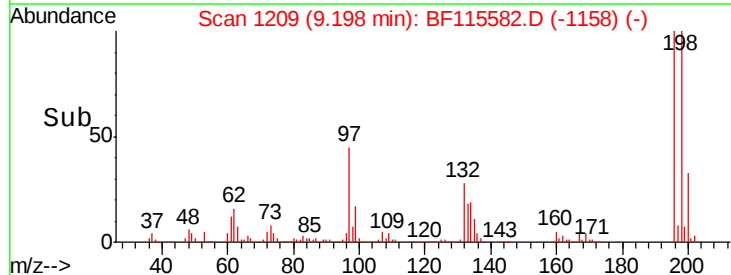
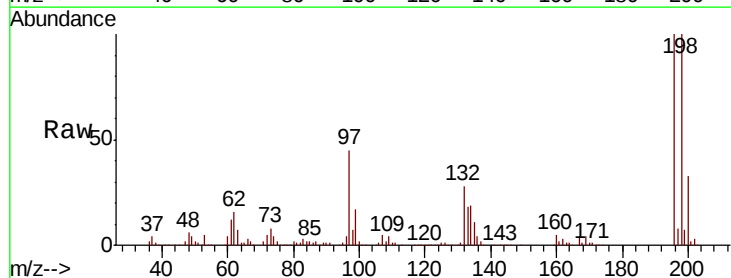
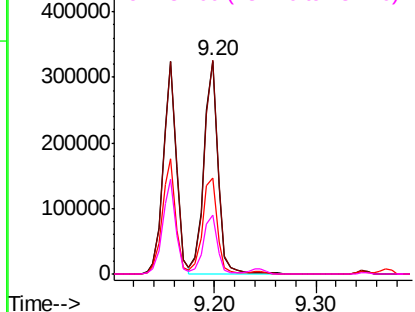
Abundance

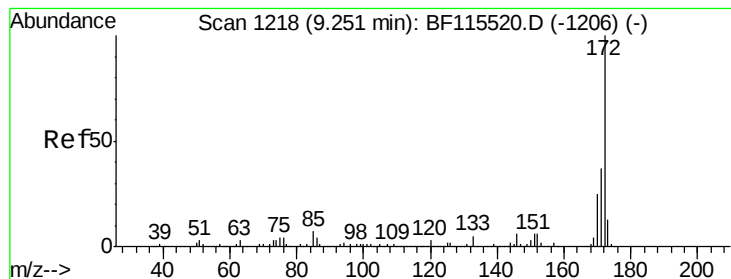
Ion 196.00 (195.70 to 196.70): E

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: 87.219 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

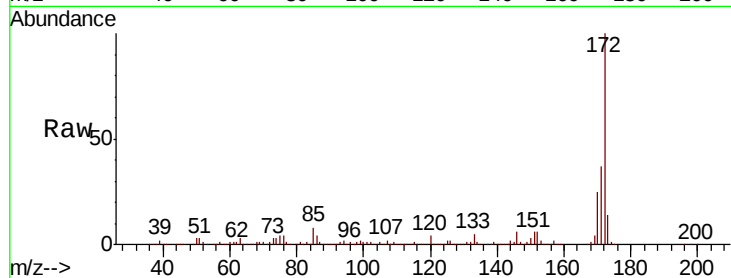
Tot Ion:172 Resp: 1654620

Ion Ratio Lower Upper

172 100

171 37.1 30.6 46.0

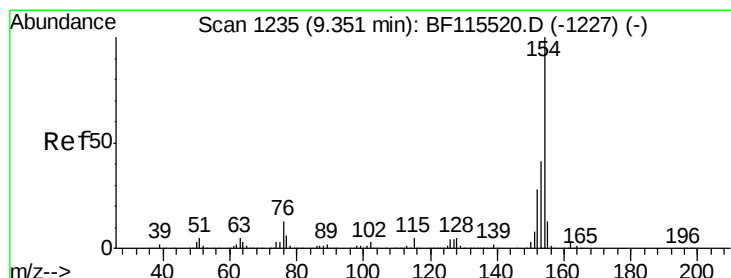
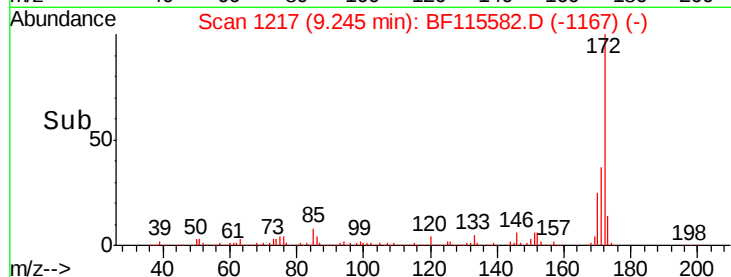
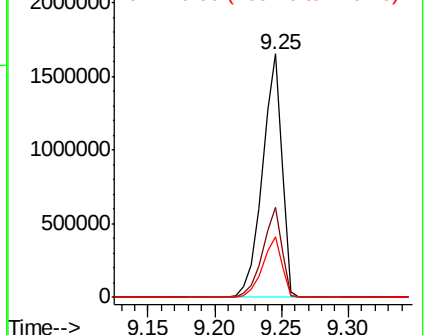
170 25.0 20.5 30.7



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: 41.407 ng

RT: 9.35 min Scan# 1234

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

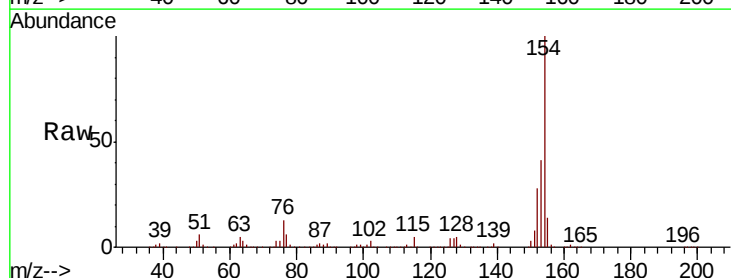
Tgt Ion:154 Resp: 1074890

Ion Ratio Lower Upper

154 100

153 41.4 22.6 62.6

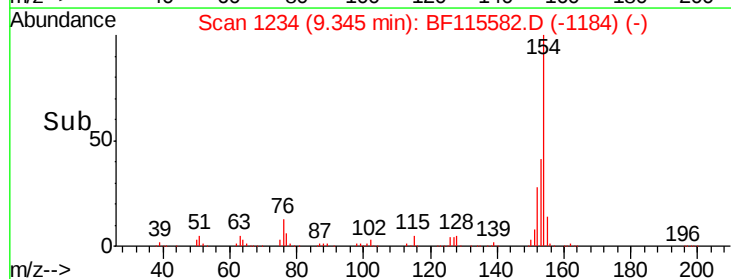
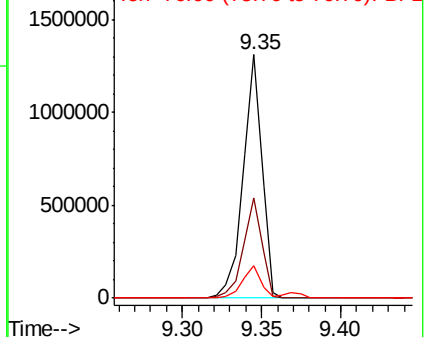
76 13.4 0.0 33.4

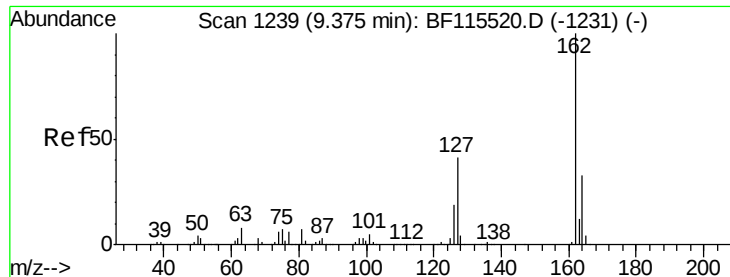


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

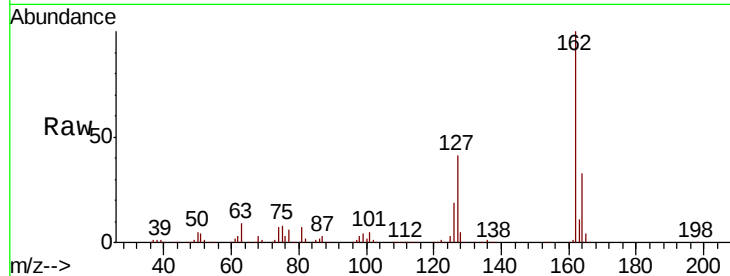




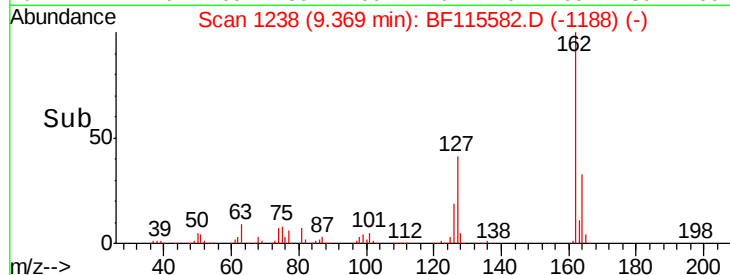
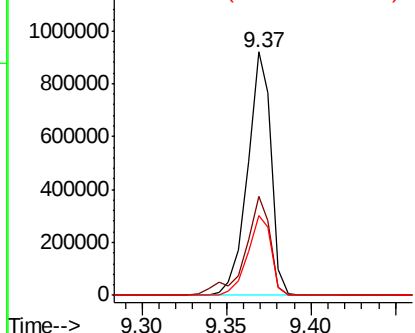
#47  
 2-Chloronaphthalene  
 Concen: 41.301 ng  
 RT: 9.37 min Scan# 1238  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:162 Resp: 892722  
 Ion Ratio Lower Upper  
 162 100  
 127 40.9 34.1 51.1  
 164 32.7 27.4 41.2

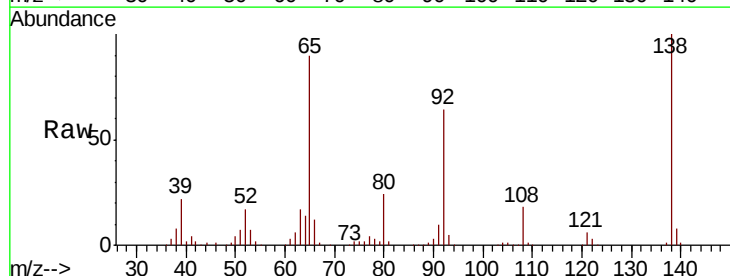


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

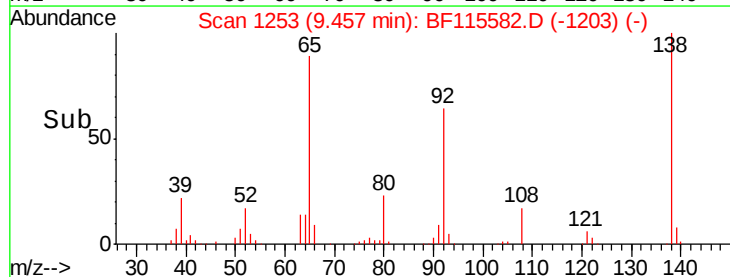
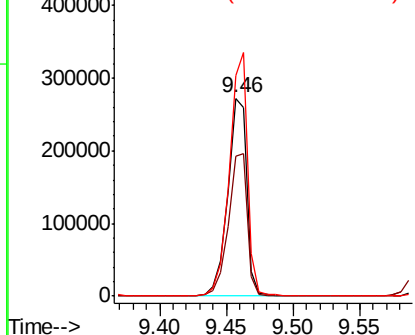


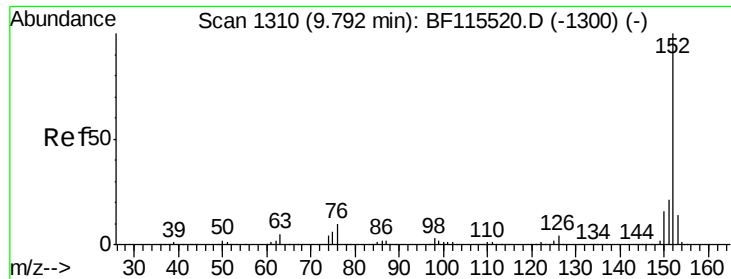
#48  
 2-Nitroaniline  
 Concen: 41.358 ng  
 RT: 9.46 min Scan# 1253  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

Tgt Ion: 65 Resp: 276691  
 Ion Ratio Lower Upper  
 65 100  
 92 70.9 57.8 86.6  
 138 111.6 91.2 136.8



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: 41.536 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

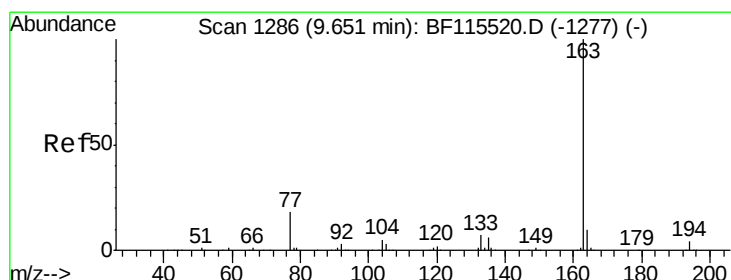
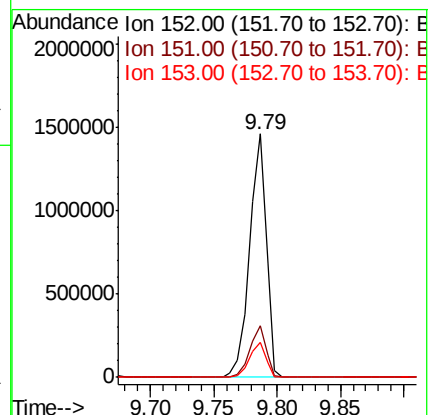
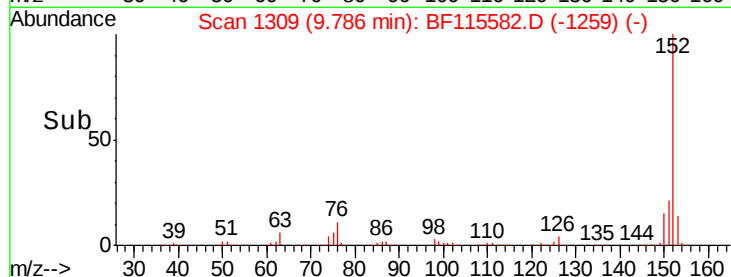
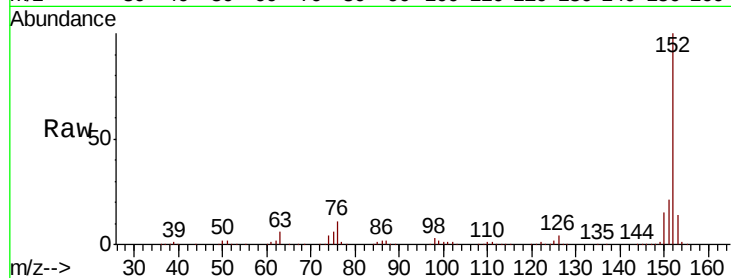
Tot Ion:152 Resp: 1330309

Ion Ratio Lower Upper

152 100

151 21.1 17.7 26.5

153 14.2 12.0 18.0



#50

Dimethylphthalate

Concen: 41.354 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

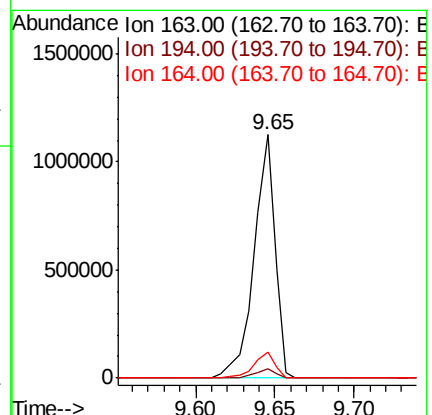
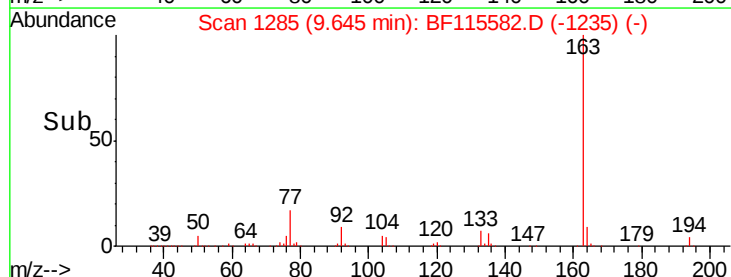
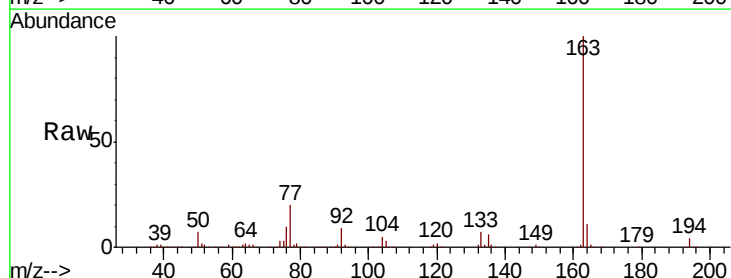
Tgt Ion:163 Resp: 1033106

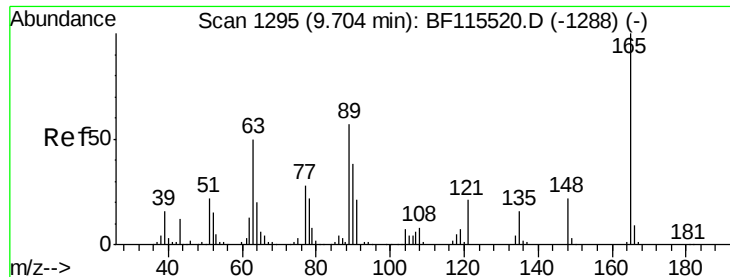
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.5 8.7 13.1





#51

2,6-Dinitrotoluene

Concen: 41.680 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampled :

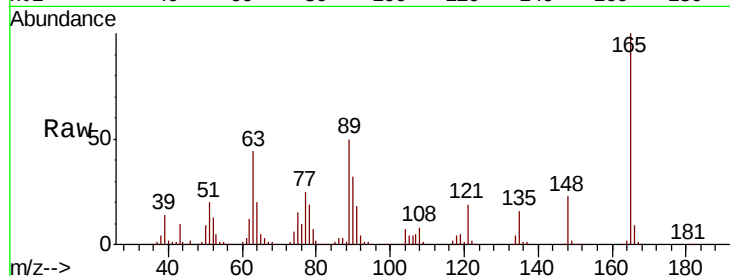
Tot Ion:165 Resp: 236630

Ion Ratio Lower Upper

165 100

63 44.3 40.6 61.0

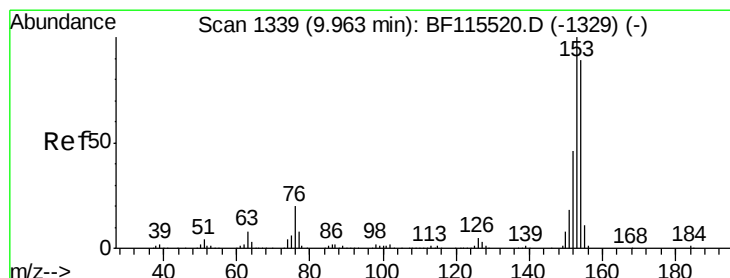
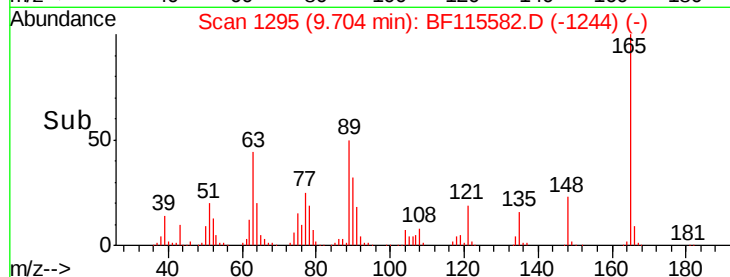
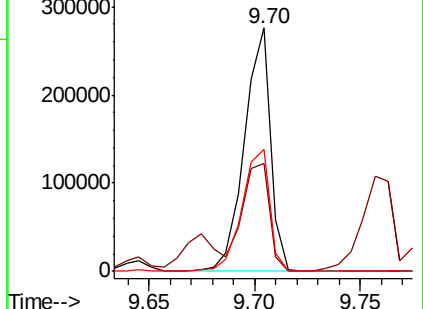
89 50.3 43.9 65.9



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: 41.829 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

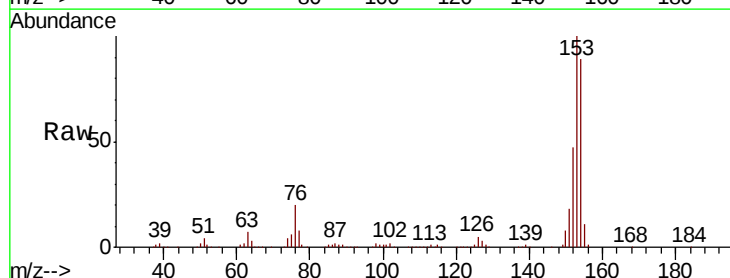
Tgt Ion:154 Resp: 864929

Ion Ratio Lower Upper

154 100

153 113.0 88.6 133.0

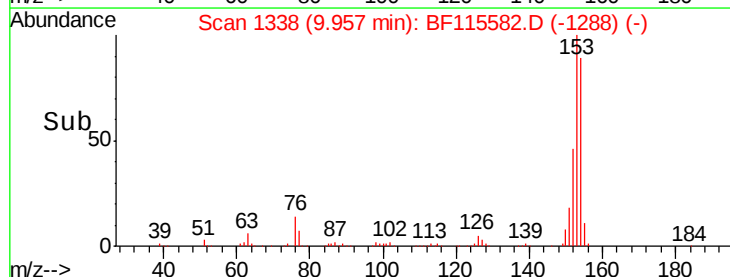
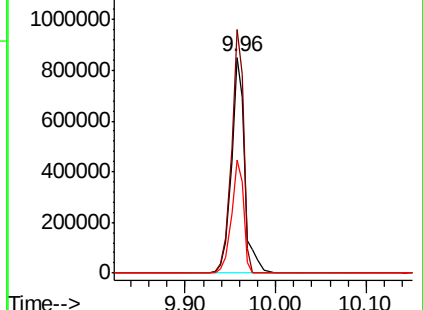
152 52.7 42.3 63.5

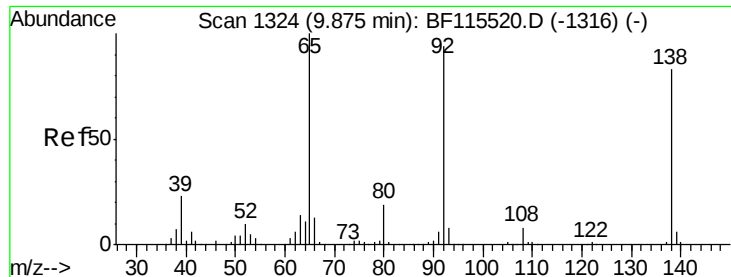


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

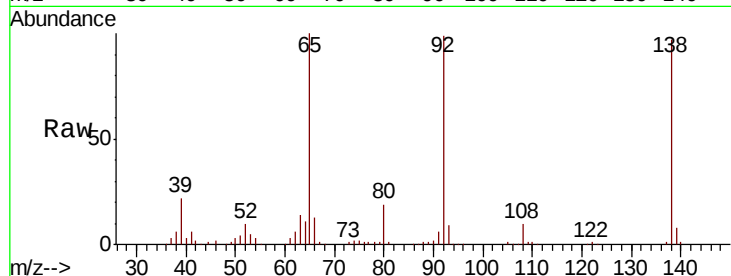




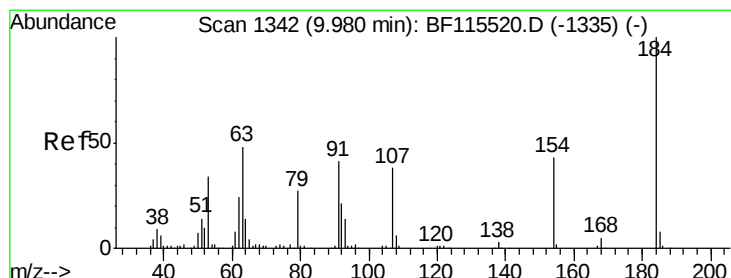
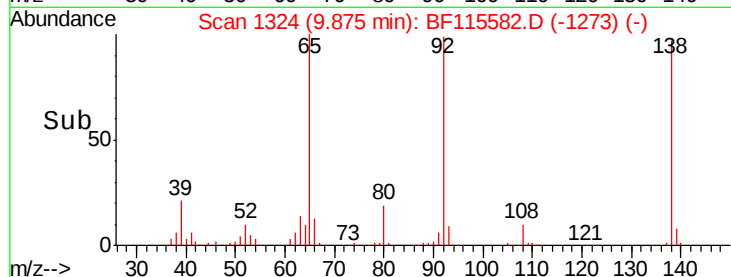
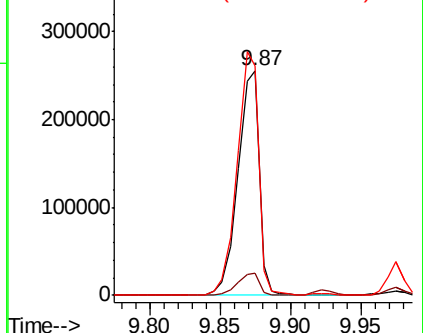
#53  
 3-Nitroaniline  
 Concen: 41.690 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. 0.00 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:138 Resp: 270474  
 Ion Ratio Lower Upper  
 138 100  
 108 9.9 8.4 12.6  
 92 102.2 88.0 132.0

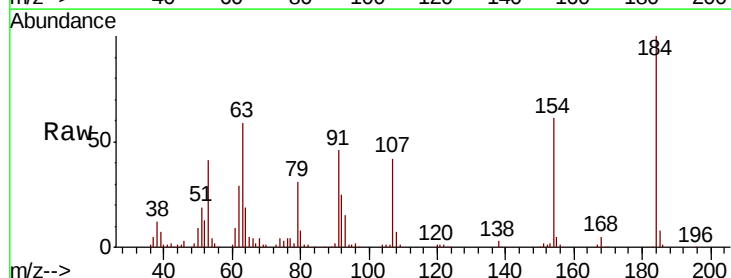


Abundance Ion 138.00 (137.70 to 138.70): E  
 Ion 108.00 (107.70 to 108.70): E  
 Ion 92.00 (91.70 to 92.70): BF1

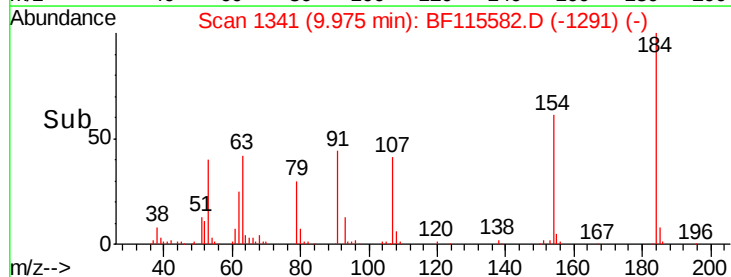
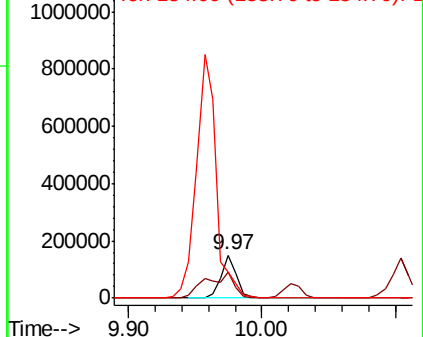


#54  
 2,4-Dinitrophenol  
 Concen: 43.777 ng  
 RT: 9.97 min Scan# 1341  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

Tgt Ion:184 Resp: 127604  
 Ion Ratio Lower Upper  
 184 100  
 63 59.2 48.7 73.1  
 154 61.2 48.6 73.0



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

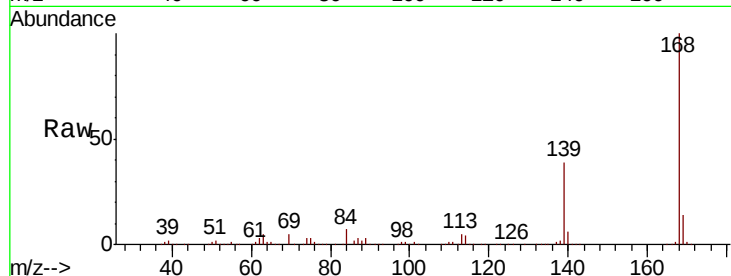




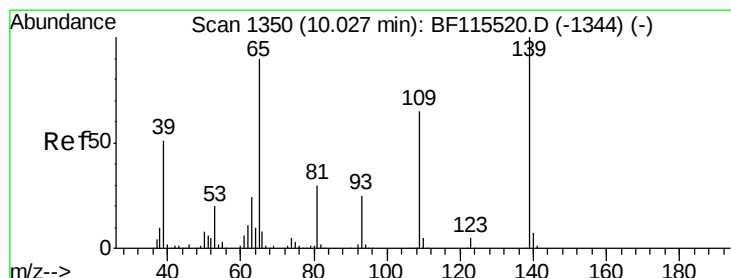
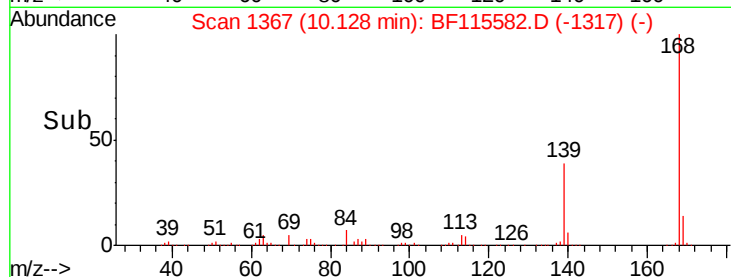
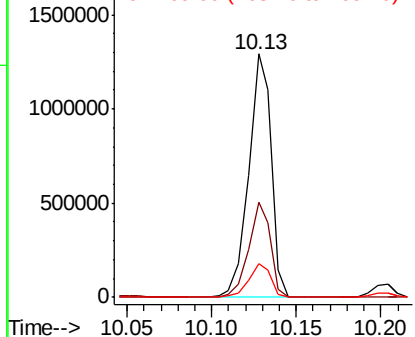
#55  
Dibenzenofuran  
Concen: 41.130 ng  
RT: 10.13 min Scan# 1367  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 1207786  
Ion Ratio Lower Upper  
168 100  
139 38.8 31.1 46.7  
169 14.1 11.1 16.7

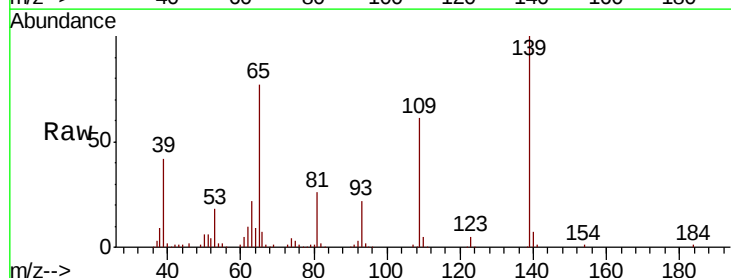


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

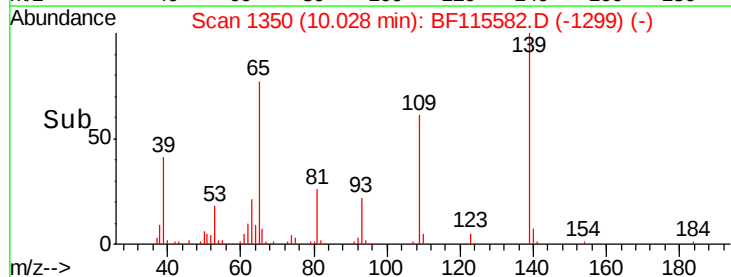
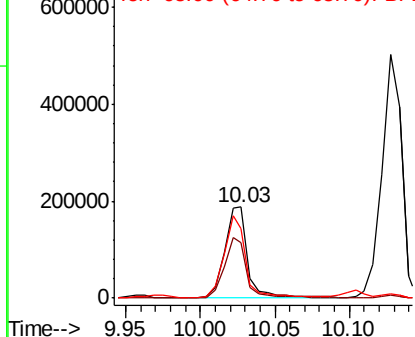


#56  
4-Nitrophenol  
Concen: 41.877 ng  
RT: 10.03 min Scan# 1350  
Delta R.T. 0.00 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Tgt Ion:139 Resp: 207176  
Ion Ratio Lower Upper  
139 100  
109 61.4 46.4 86.4  
65 76.8 68.9 108.9



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

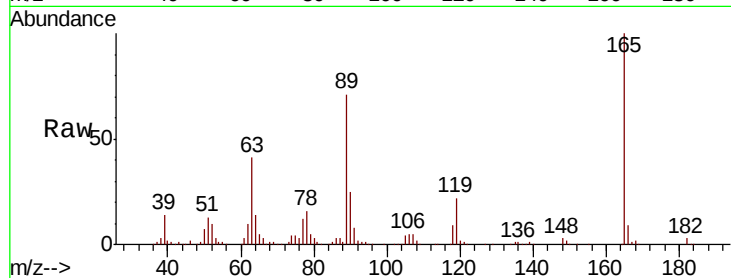




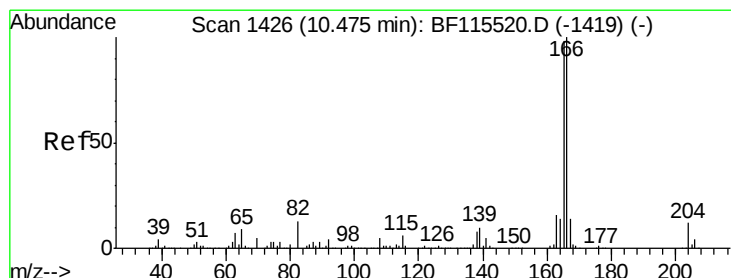
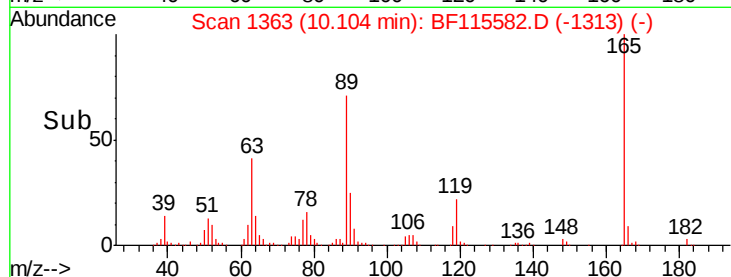
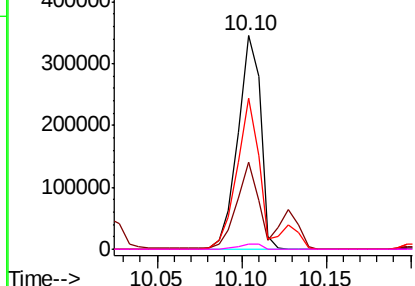
#57  
 2,4-Dinitrotoluene  
 Concen: 43.948 ng  
 RT: 10.10 min Scan# 1363  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

Instrument :  
 BNA\_F  
 ClientSampled :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:165 | Resp: | 323251    |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 40.5  | 34.9 52.3 |
| 89          | 70.7  | 57.5 86.3 |
| 182         | 2.6   | 2.2 3.4   |

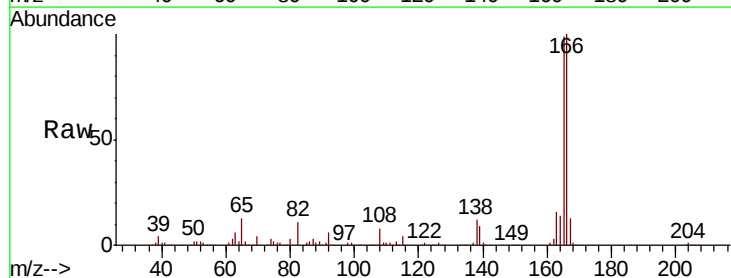


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

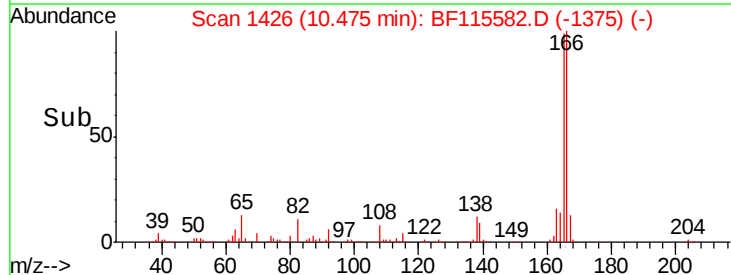
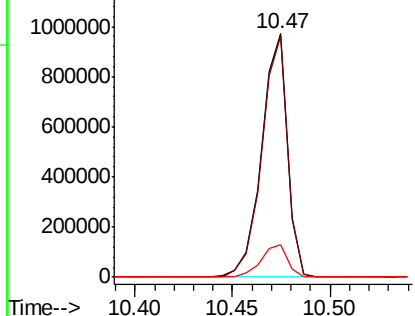


#58  
 Fluorene  
 Concen: 42.334 ng  
 RT: 10.47 min Scan# 1426  
 Delta R.T. 0.00 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 888704     |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 98.8  | 79.8 119.6 |
| 167         | 13.2  | 11.2 16.8  |



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

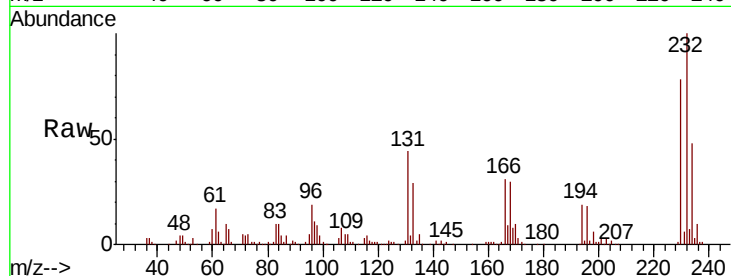




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.303 ng  
RT: 10.25 min Scan# 1387  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 43.1  | 35.9  | 53.9  |
| 130     | 2.1   | 1.8   | 2.6   |
| 166     | 29.7  | 24.8  | 37.2  |



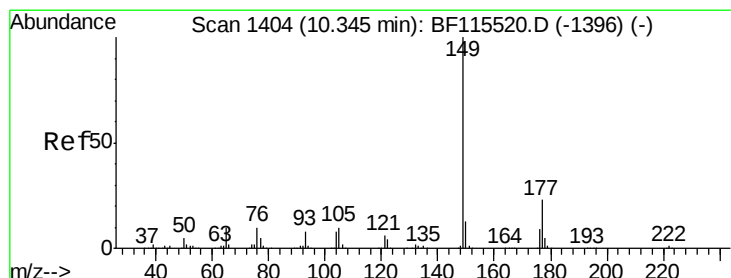
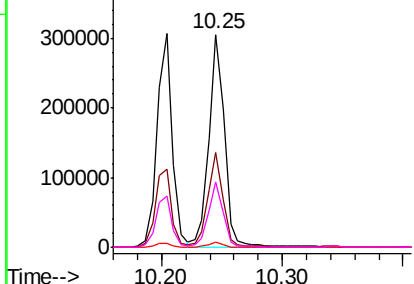
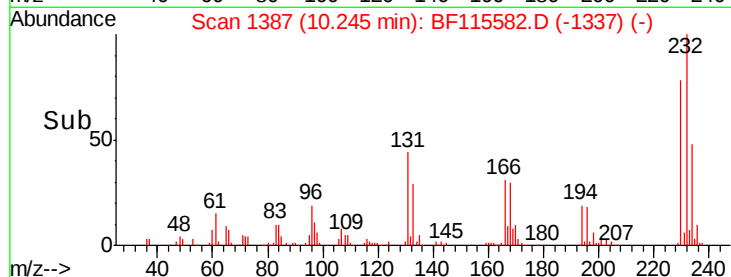
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

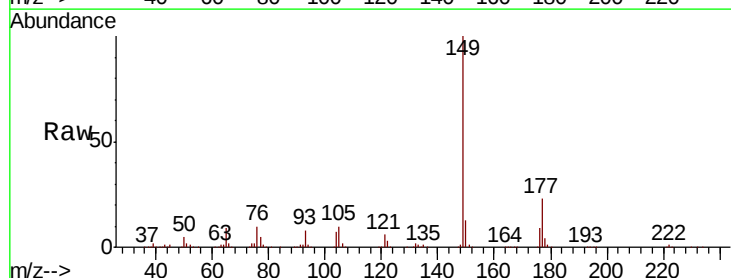
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
Diethylphthalate  
Concen: 42.756 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.2  | 19.5  | 29.3  |
| 150     | 12.9  | 10.4  | 15.6  |

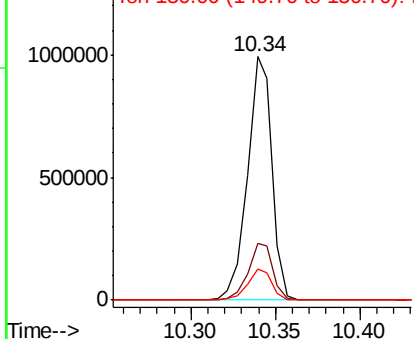
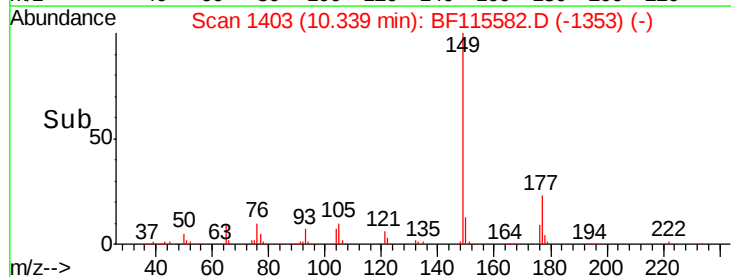


Abundance

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

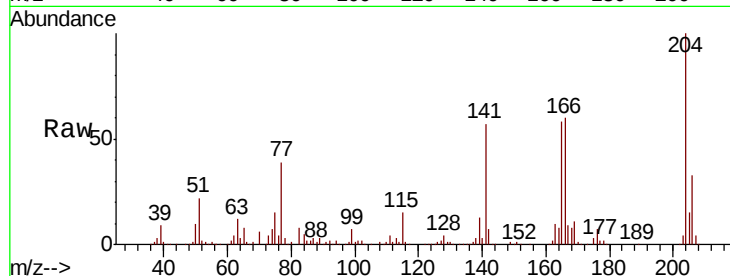




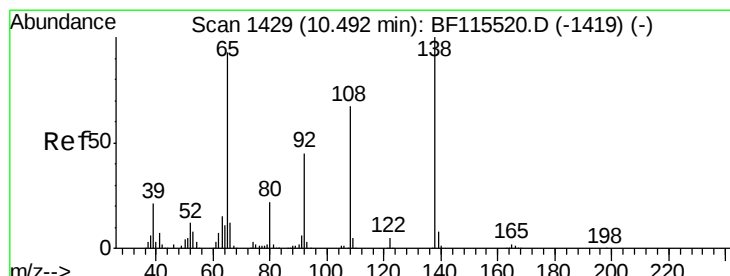
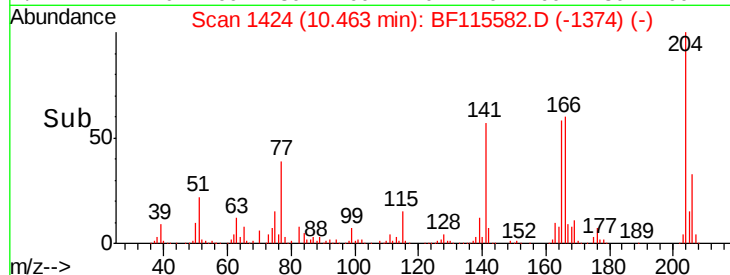
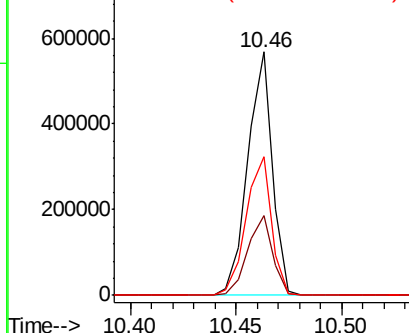
#61  
 4-Chlorophenyl-phenylether  
 Concen: 39.696 ng  
 RT: 10.46 min Scan# 1424  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

Instrument :  
 BNA\_F  
 ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 204   | Resp: | 462114 |
| Ion      | Ratio | Lower | Upper  |
| 204      | 100   |       |        |
| 206      | 32.9  | 26.7  | 40.1   |
| 141      | 57.1  | 44.2  | 66.2   |

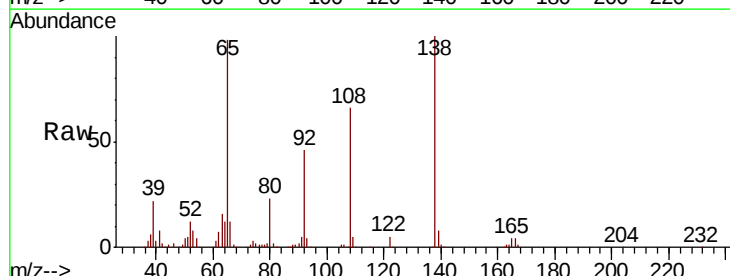


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

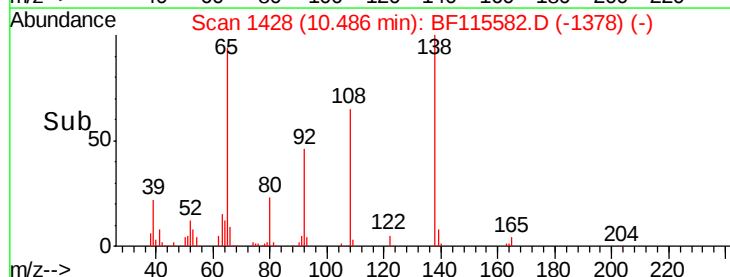
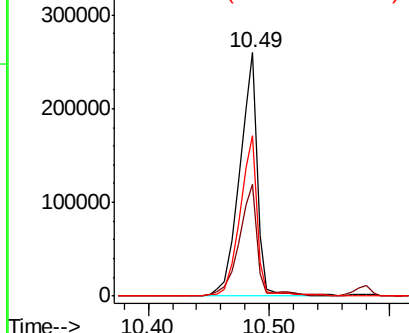


#62  
 4-Nitroaniline  
 Concen: 42.970 ng  
 RT: 10.49 min Scan# 1428  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 138   | Resp: | 267412 |
| Ion      | Ratio | Lower | Upper  |
| 138      | 100   |       |        |
| 92       | 46.1  | 27.1  | 67.1   |
| 108      | 66.0  | 48.0  | 88.0   |



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: 42.602 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 967245

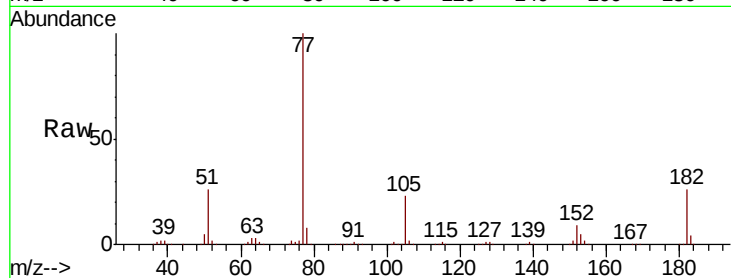
Ion Ratio Lower Upper

77 100

182 26.3 6.9 46.9

105 23.1 3.9 43.9

51 25.7 7.3 47.3

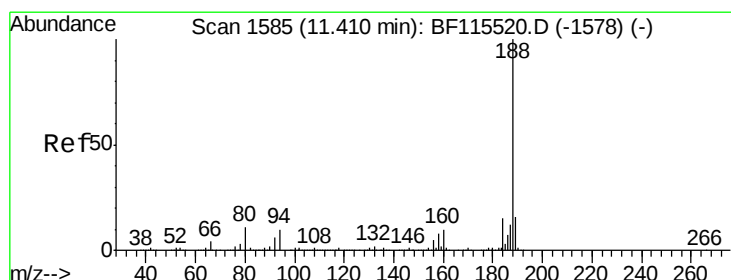
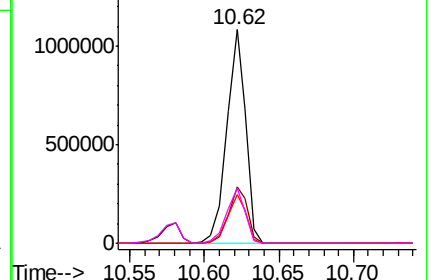
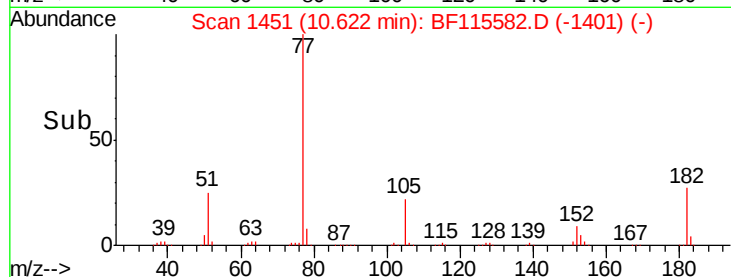


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

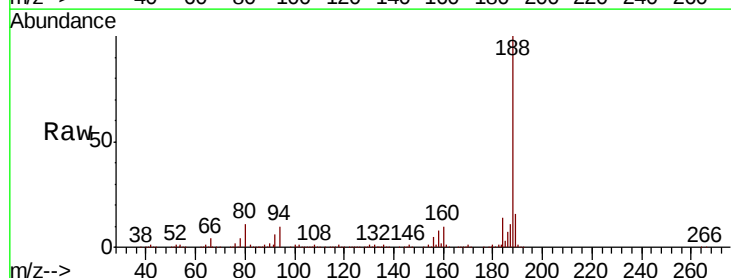
Tgt Ion: 188 Resp: 637823

Ion Ratio Lower Upper

188 100

94 10.2 7.8 11.6

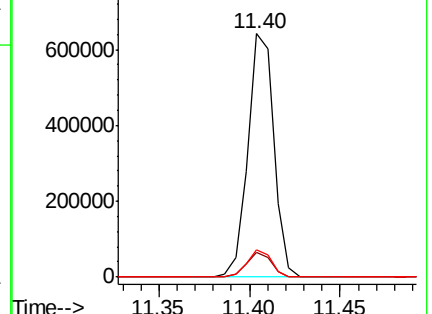
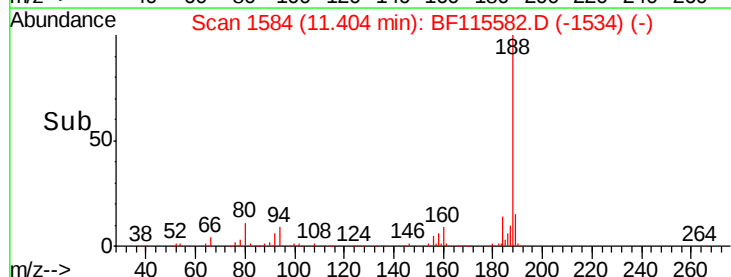
80 11.4 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

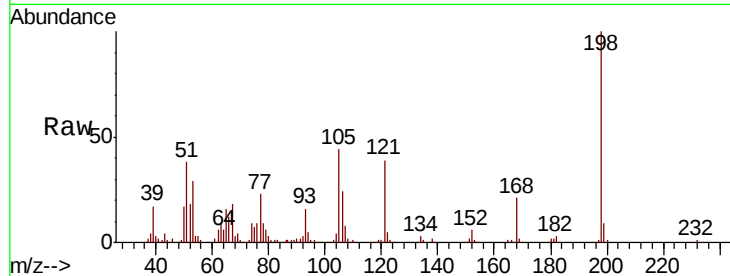




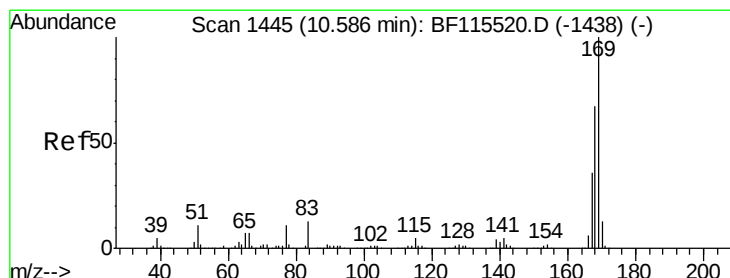
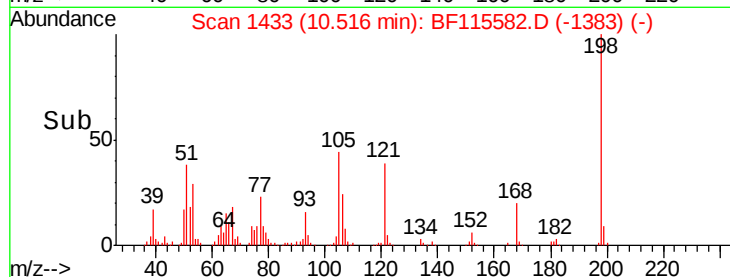
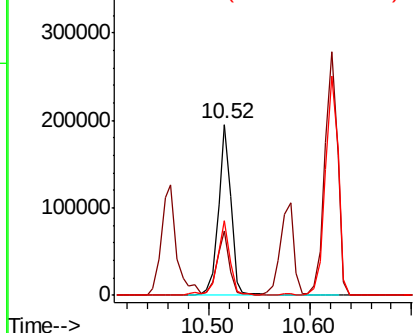
#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.894 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:198 Resp: 167154  
Ion Ratio Lower Upper  
198 100  
51 38.1 19.1 59.1  
105 44.0 23.6 63.6

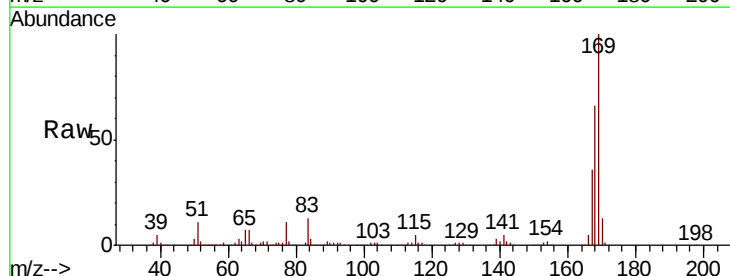


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

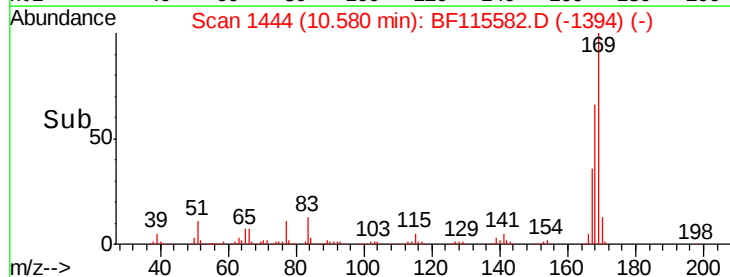
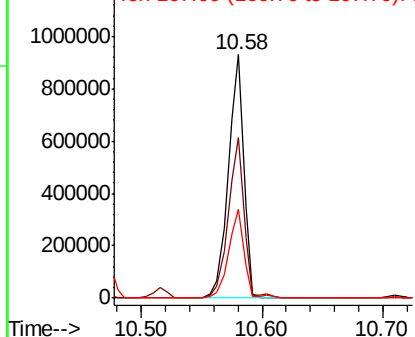


#66  
n-Nitrosodiphenylamine  
Concen: 41.751 ng  
RT: 10.58 min Scan# 1444  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Tgt Ion:169 Resp: 828356  
Ion Ratio Lower Upper  
169 100  
168 65.9 54.3 81.5  
167 36.3 30.2 45.2



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

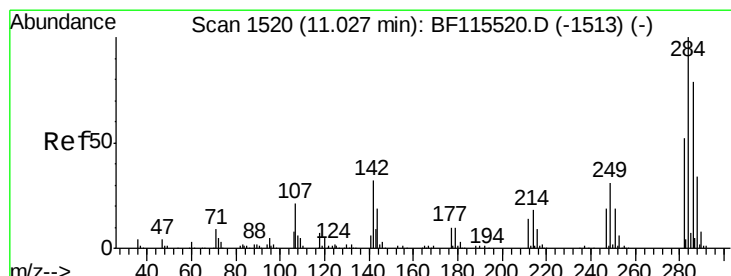
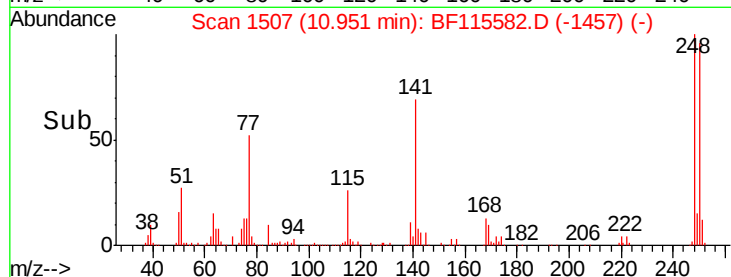
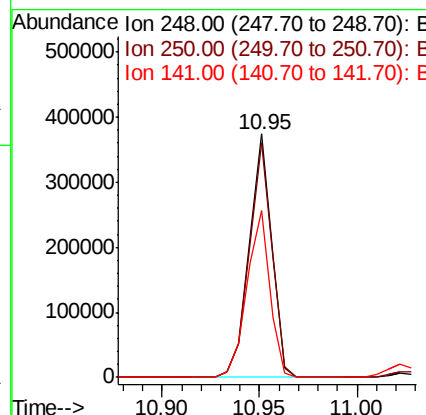
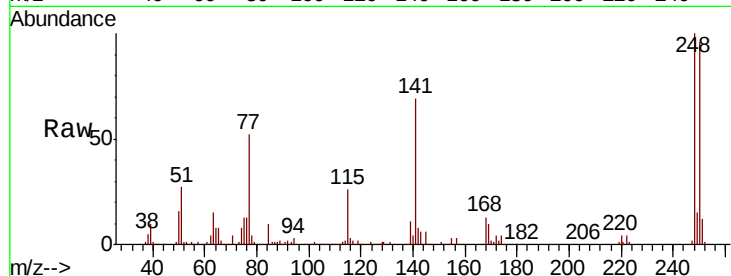




#67  
 4-Bromophenyl-phenylether  
 Concen: 41.363 ng  
 RT: 10.95 min Scan# 1507  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

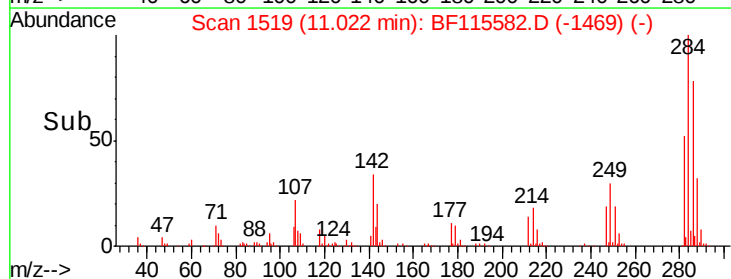
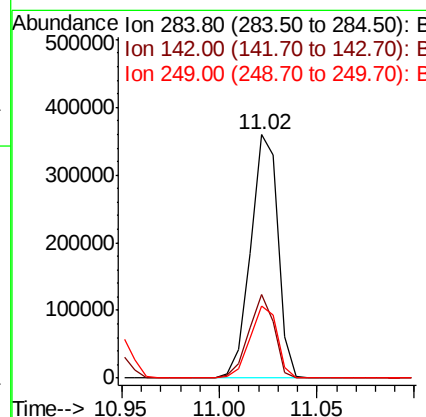
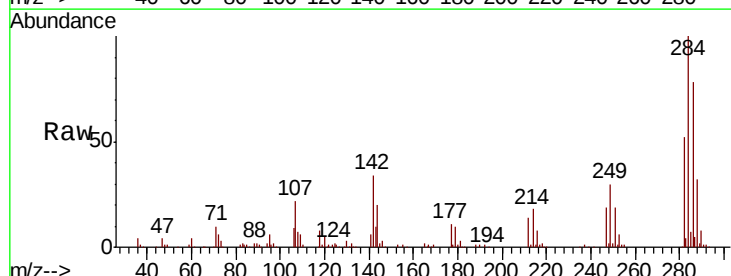
Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.3  | 78.0  | 117.0 |
| 141     | 68.7  | 57.7  | 86.5  |



#68  
 Hexachlorobenzene  
 Concen: 41.806 ng  
 RT: 11.02 min Scan# 1519  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.2  | 22.2  | 33.2# |
| 249     | 29.6  | 23.4  | 35.2  |

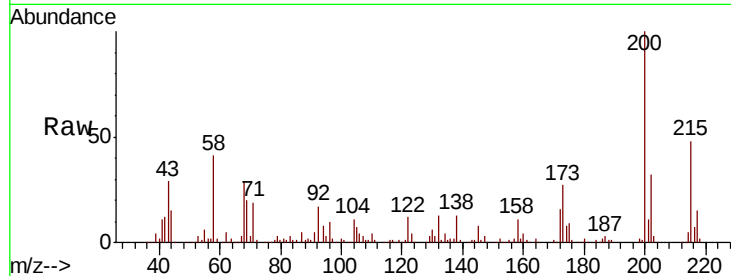




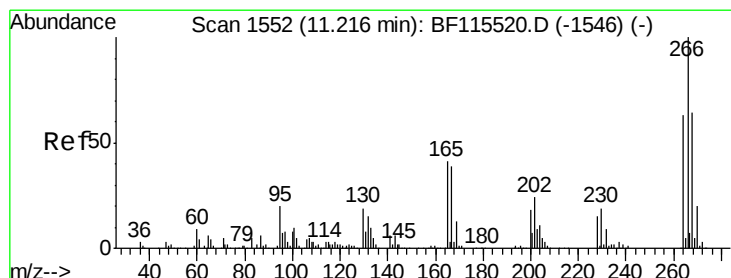
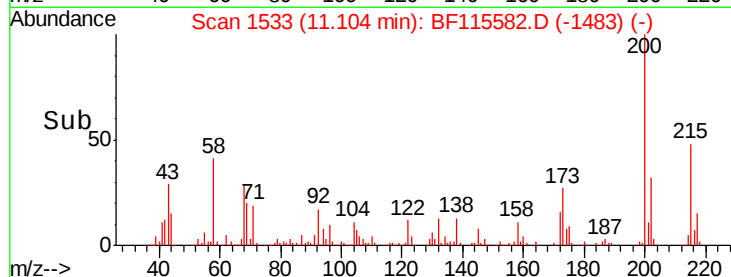
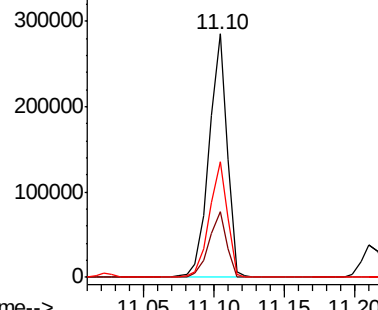
#69  
 Atrazine  
 Concen: 38.892 ng  
 RT: 11.10 min Scan# 1533  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:200 Resp: 253140  
 Ion Ratio Lower Upper  
 200 100  
 173 27.0 6.9 46.9  
 215 47.7 27.9 67.9

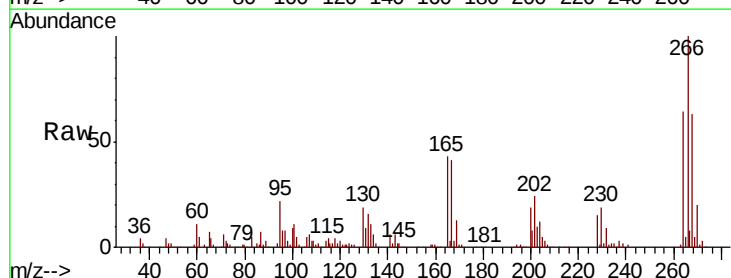


Abundance Ion 200.00 (199.70 to 200.70): E  
 Ion 173.00 (172.70 to 173.70): E  
 Ion 215.00 (214.70 to 215.70): E

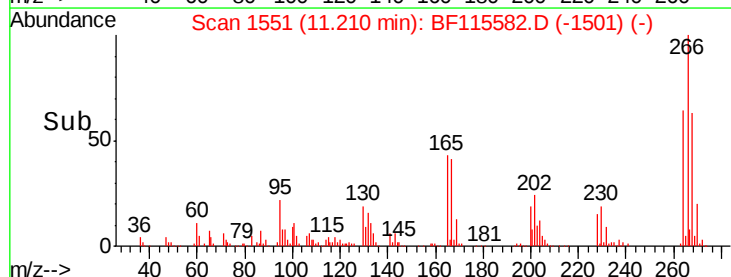
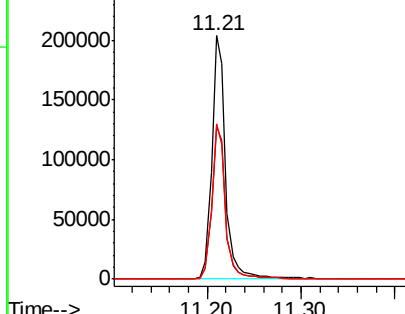


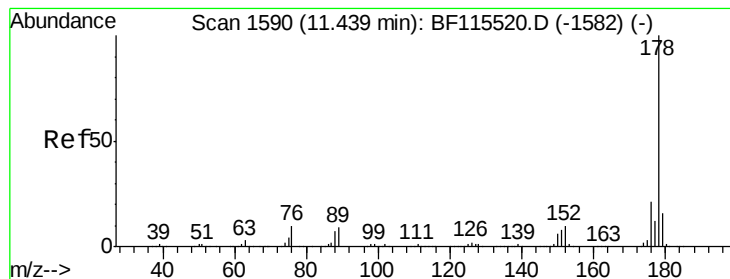
#70  
 Pentachlorophenol  
 Concen: 41.894 ng  
 RT: 11.21 min Scan# 1551  
 Delta R.T. -0.01 min  
 Lab File: BF115582.D  
 Acq: 16 Jul 2019 7:45

Tgt Ion:266 Resp: 213283  
 Ion Ratio Lower Upper  
 266 100  
 268 62.8 51.6 77.4  
 264 63.9 50.6 76.0



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: 41.777 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

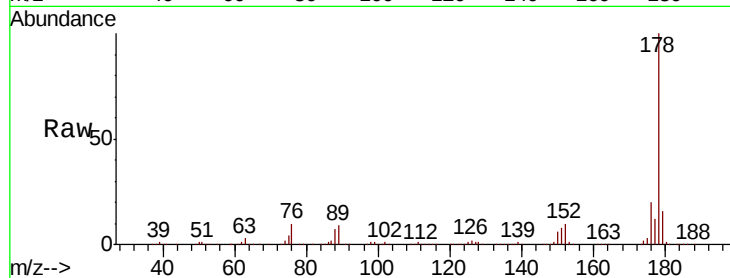
Tot Ion:178 Resp: 1365855

Ion Ratio Lower Upper

178 100

176 20.5 17.2 25.8

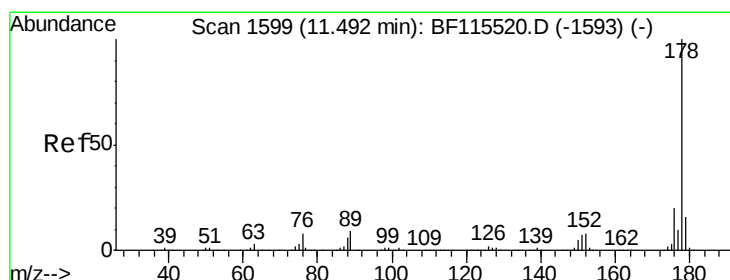
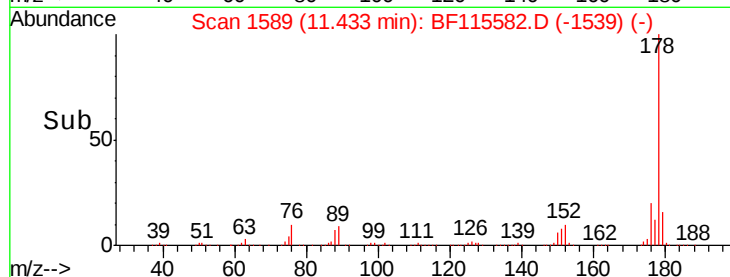
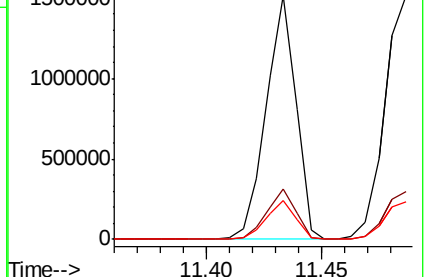
179 15.9 13.5 20.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.894 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

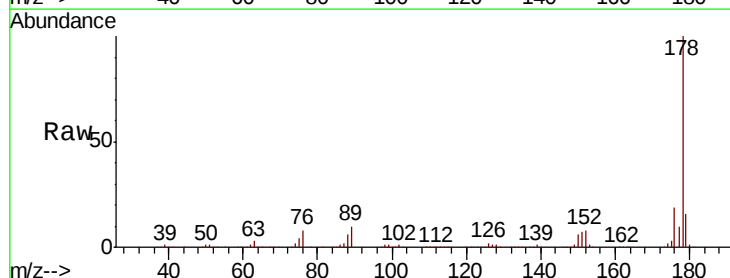
Tgt Ion:178 Resp: 1381735

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

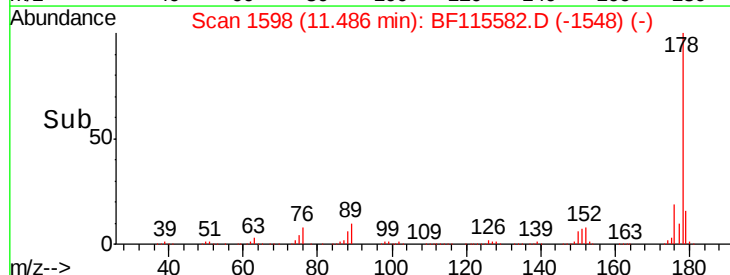
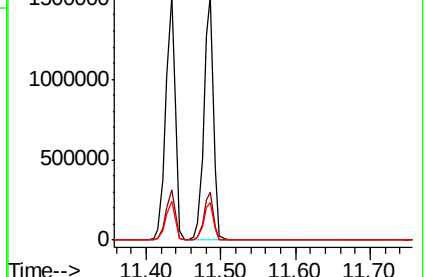
179 15.7 12.7 19.1

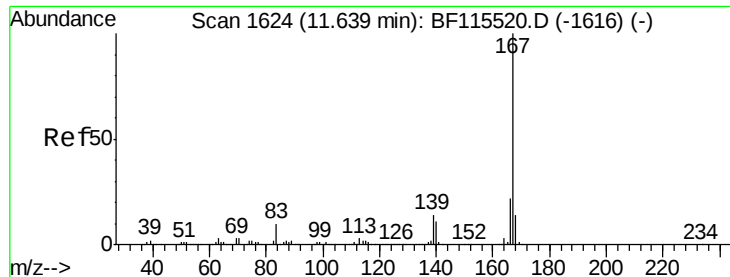


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 42.782 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

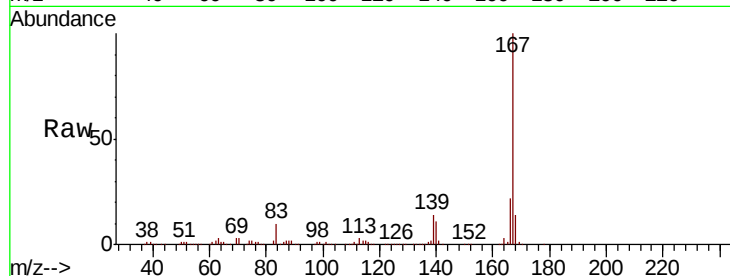
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:167 Resp: 1267626

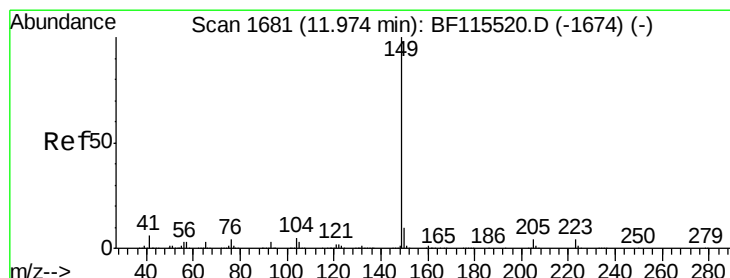
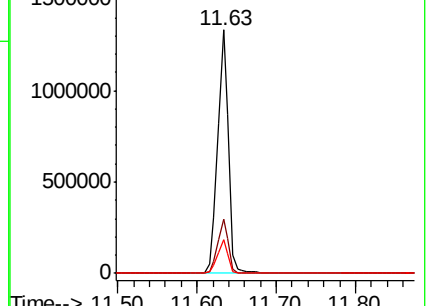
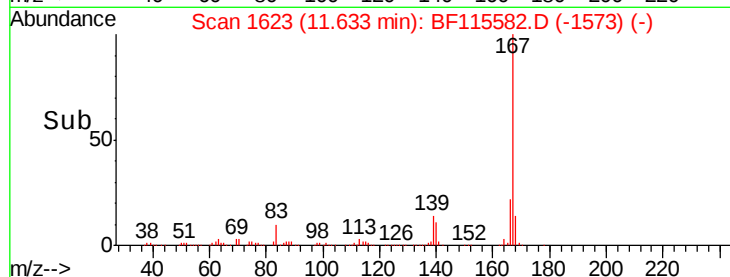
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.5  | 18.1  | 27.1  |
| 139 | 13.8  | 11.3  | 16.9  |



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 43.285 ng

RT: 11.97 min Scan# 1680

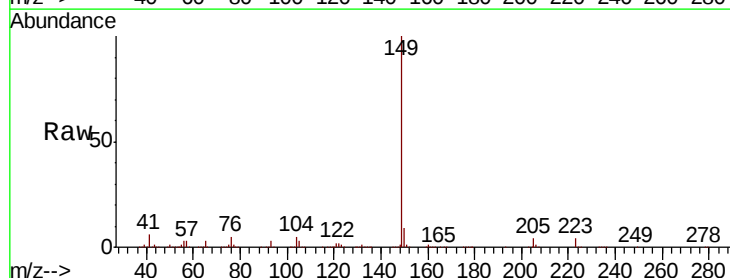
Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Tgt Ion:149 Resp: 1579773

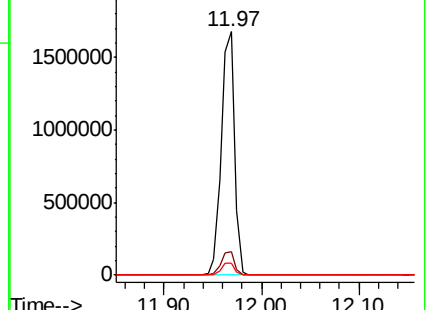
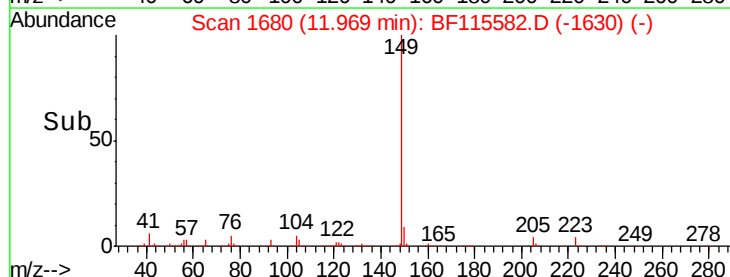
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.4   | 7.7   | 11.5  |
| 104 | 4.9   | 3.8   | 5.8   |

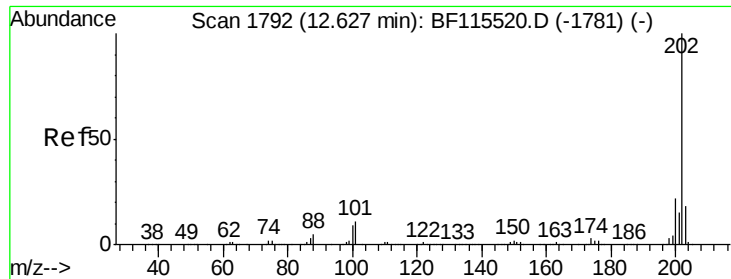


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

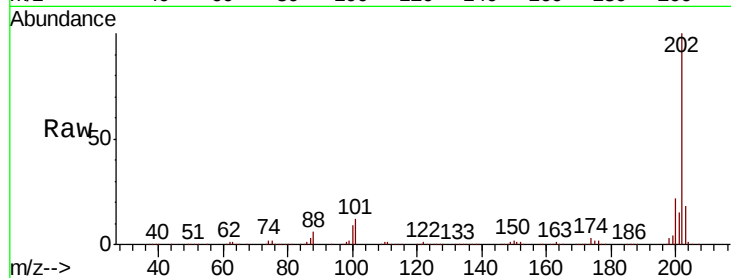




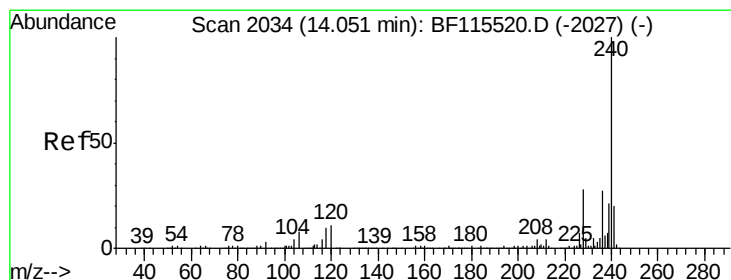
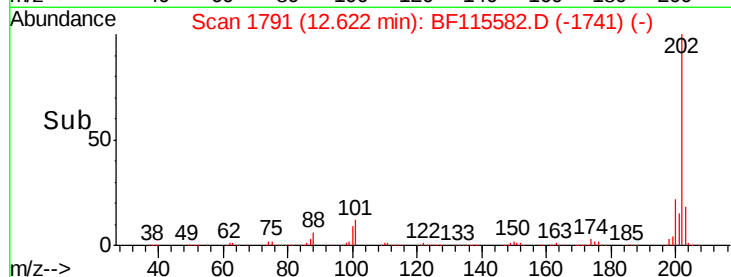
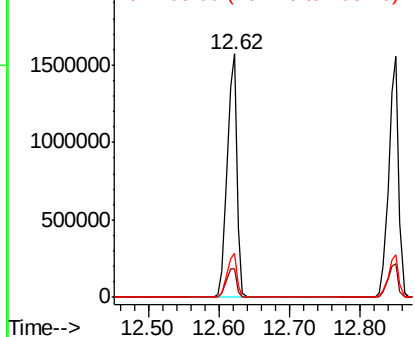
#75  
Fluoranthene  
Concen: 43.747 ng  
RT: 12.62 min Scan# 1791  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:202 Resp: 1511421  
Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 31.4  
203 18.0 0.0 38.1

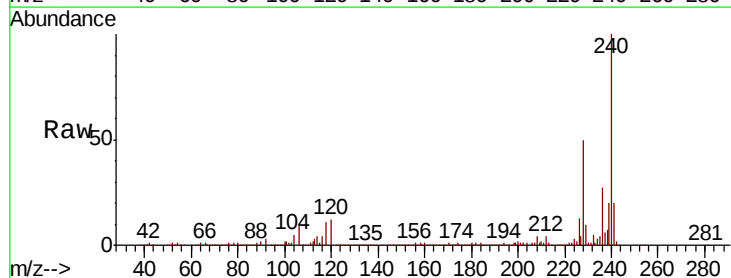


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E

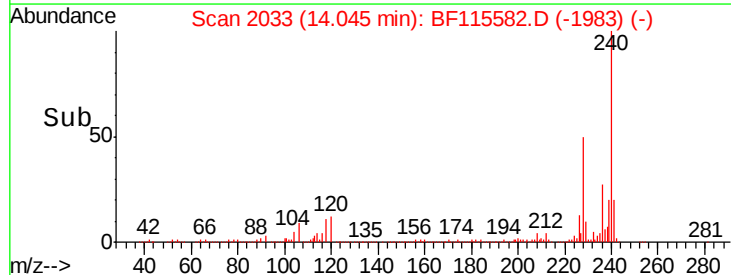
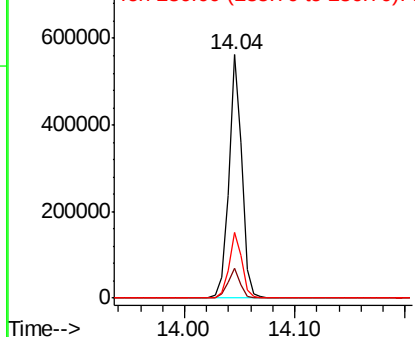


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.04 min Scan# 2033  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Tgt Ion:240 Resp: 460091  
Ion Ratio Lower Upper  
240 100  
120 12.4 8.6 13.0  
236 26.9 21.3 31.9



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: 42.397 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

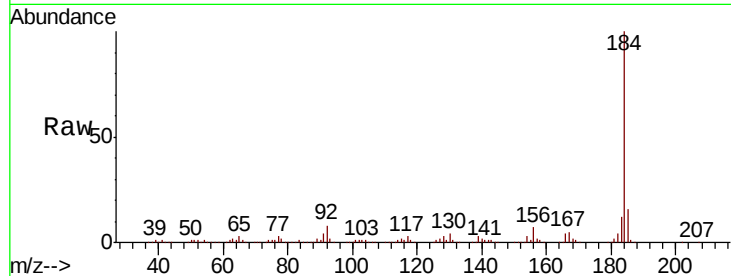
Tot Ion:184 Resp: 691017

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 16.0  | 12.0  | 18.0  |
| 183 | 11.6  | 9.3   | 13.9  |

184 100

185 16.0 12.0 18.0

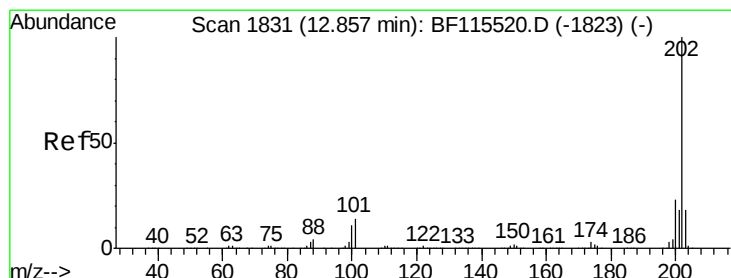
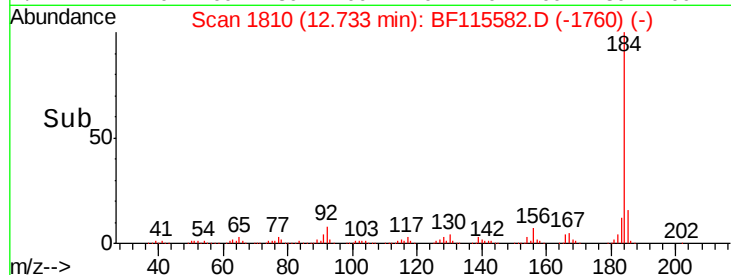
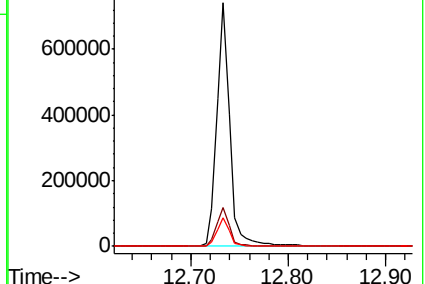
183 11.6 9.3 13.9



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: 39.043 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

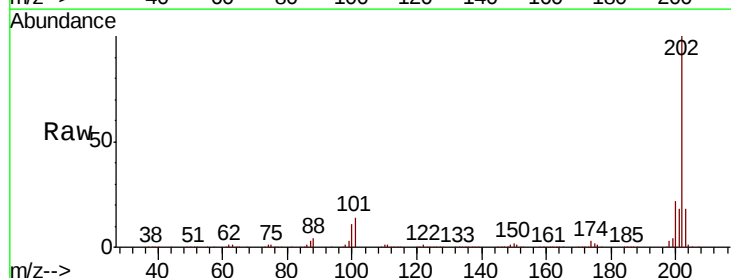
Tgt Ion:202 Resp: 1521912

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 22.2  | 18.7  | 28.1  |
| 203 | 17.8  | 15.2  | 22.8  |

202 100

200 22.2 18.7 28.1

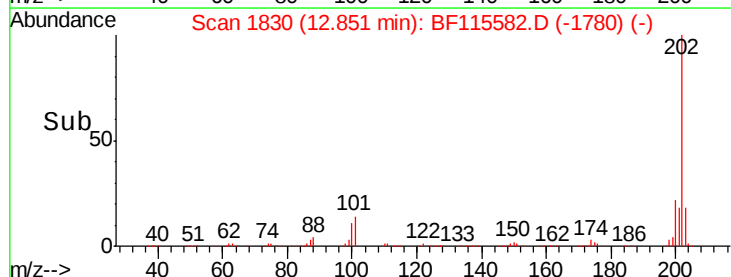
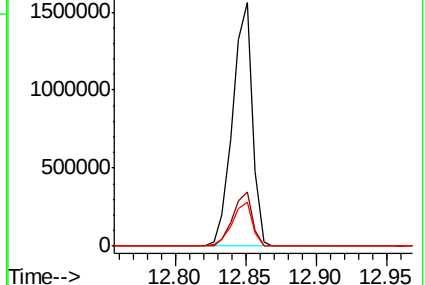
203 17.8 15.2 22.8

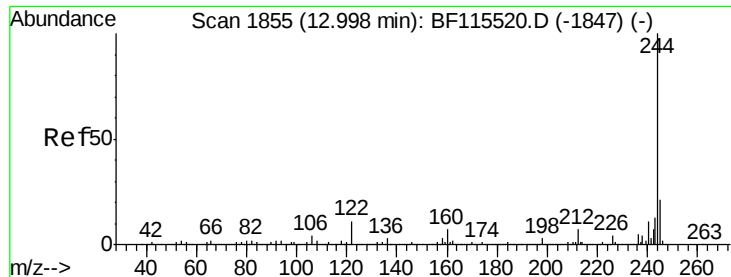


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 76.980 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampled :

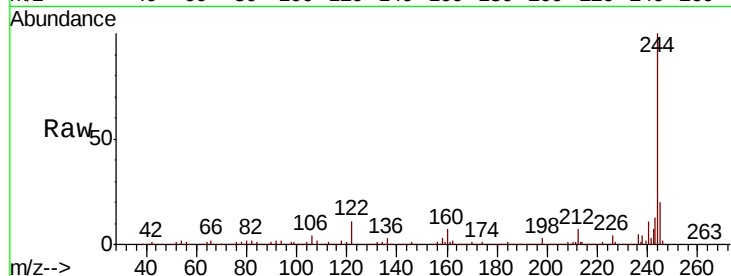
Tot Ion:244 Resp: 1919481

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

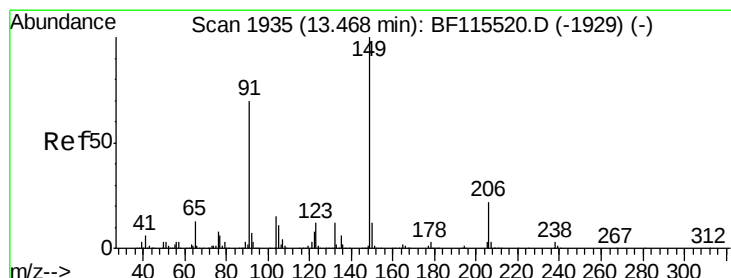
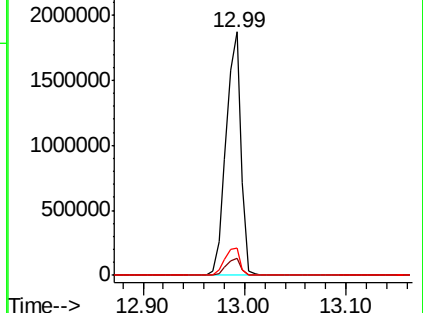
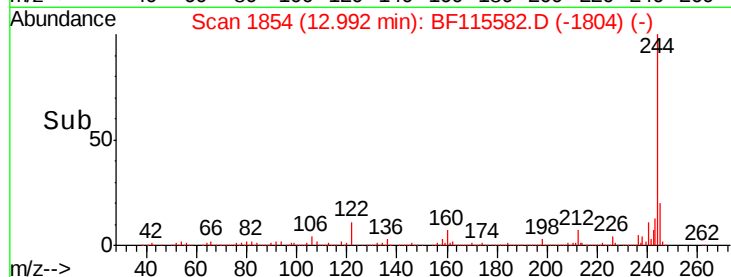
122 11.1 8.6 12.8



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: 39.903 ng

RT: 13.46 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

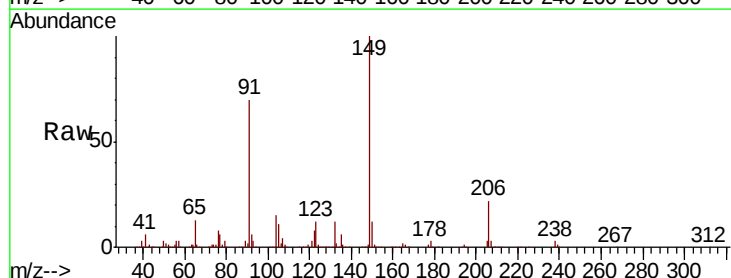
Tgt Ion:149 Resp: 663079

Ion Ratio Lower Upper

149 100

91 70.3 55.8 83.8

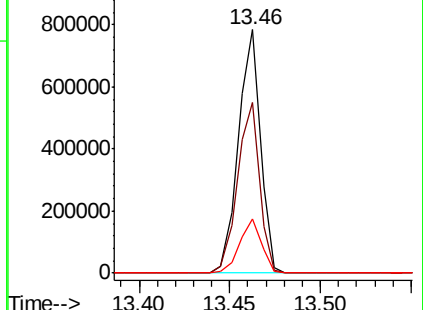
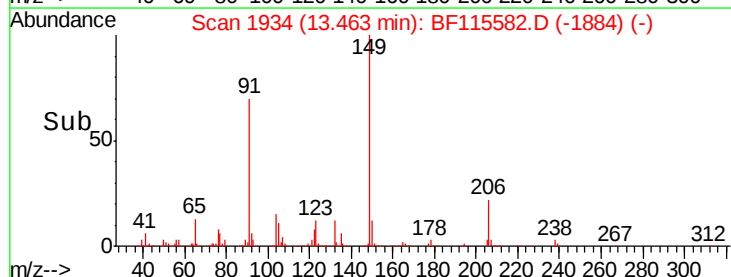
206 22.1 18.2 27.2



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

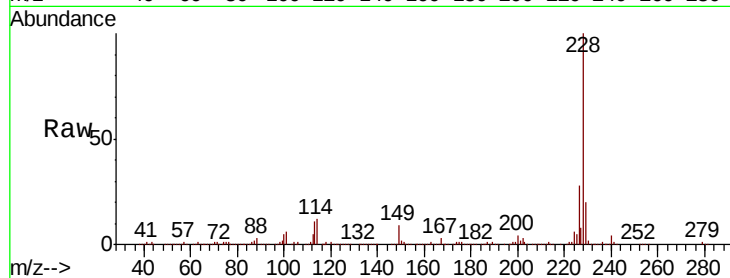




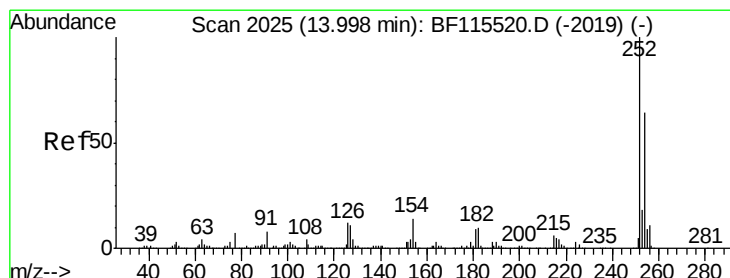
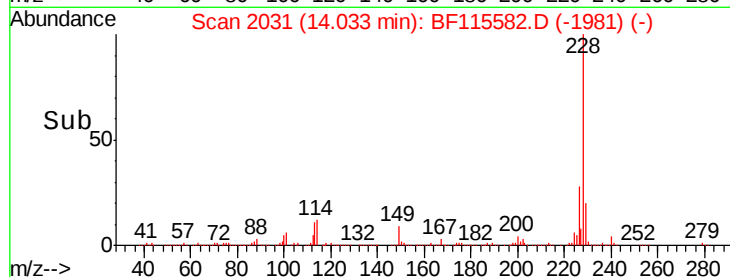
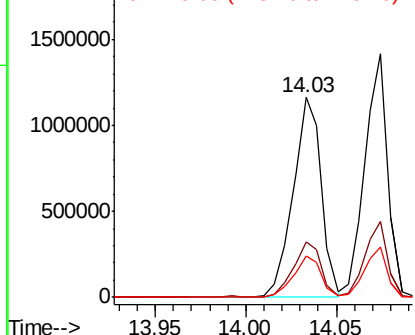
#81  
Benzo(a)anthracene  
Concen: 41.794 ng  
RT: 14.03 min Scan# 2031  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:228 Resp: 1266814  
Ion Ratio Lower Upper  
228 100  
226 28.0 23.4 35.0  
229 20.5 17.2 25.8

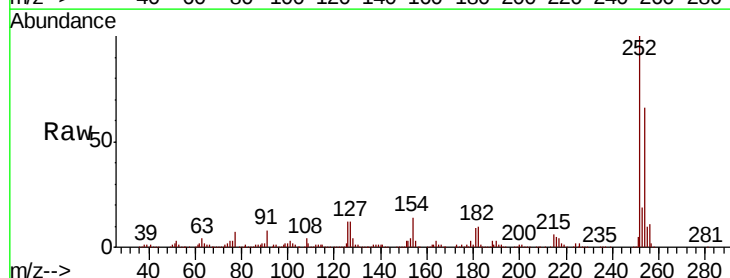


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

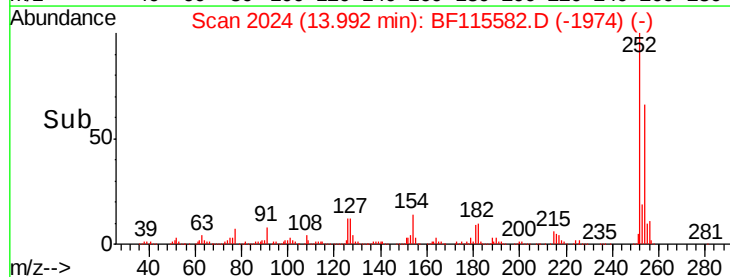
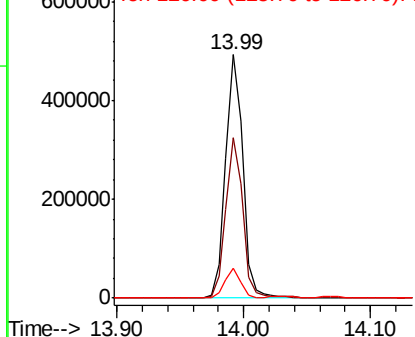


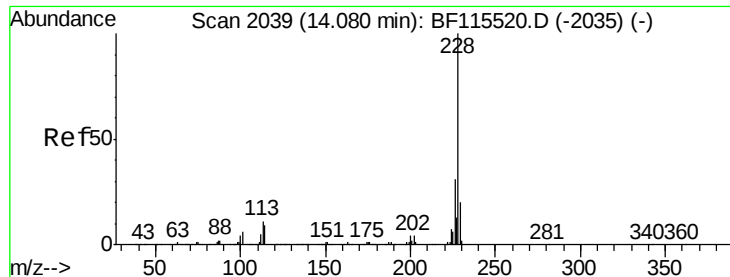
#82  
3,3'-Dichlorobenzidine  
Concen: 43.445 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Tgt Ion:252 Resp: 468132  
Ion Ratio Lower Upper  
252 100  
254 65.8 52.9 79.3  
126 12.3 9.9 14.9



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





#83

Chrvsene

Concen: 41.128 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

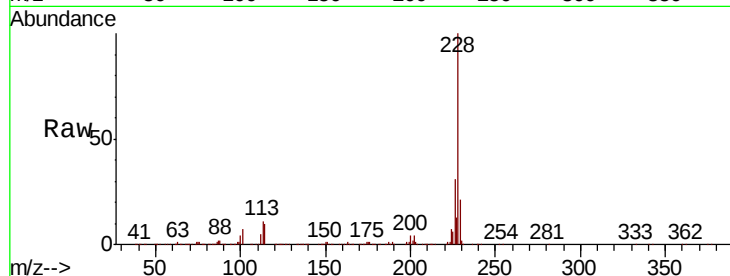
Tot Ion:228 Resp: 1251434

Ion Ratio Lower Upper

228 100

226 31.2 25.7 38.5

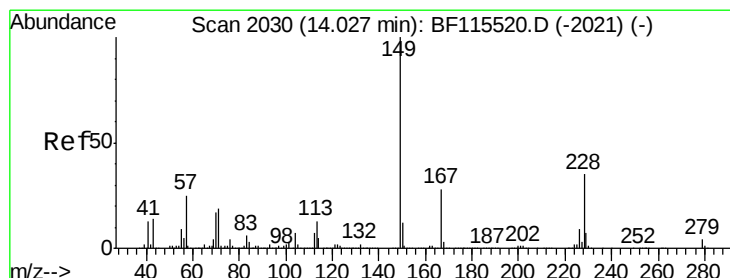
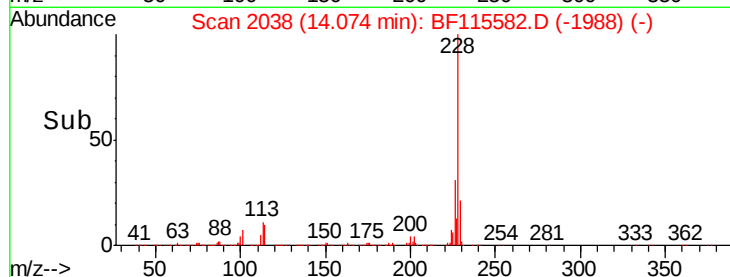
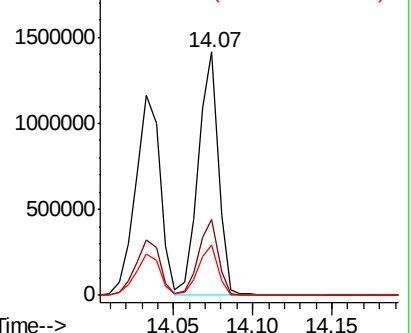
229 20.7 16.6 25.0



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.189 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

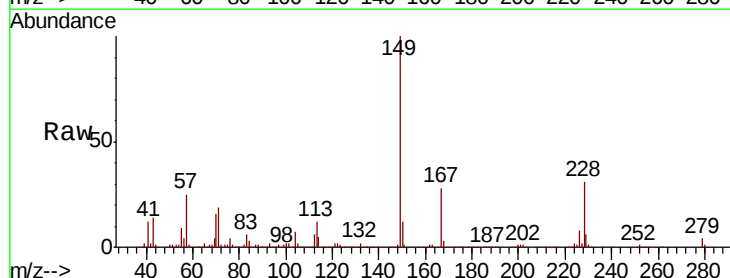
Tgt Ion:149 Resp: 868403

Ion Ratio Lower Upper

149 100

167 27.9 23.0 34.4

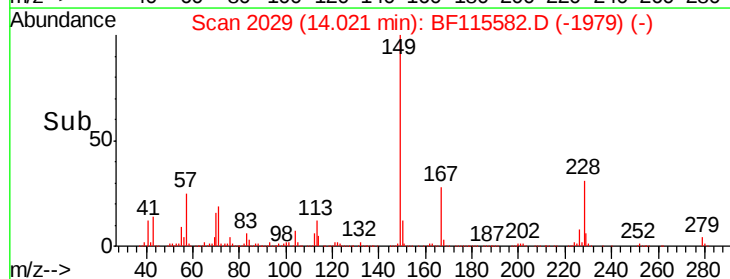
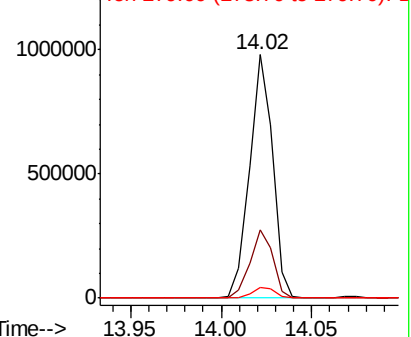
279 4.2 4.2 6.2

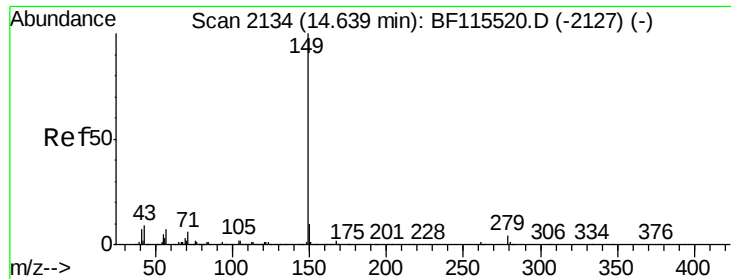


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 43.599 ng

RT: 14.63 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

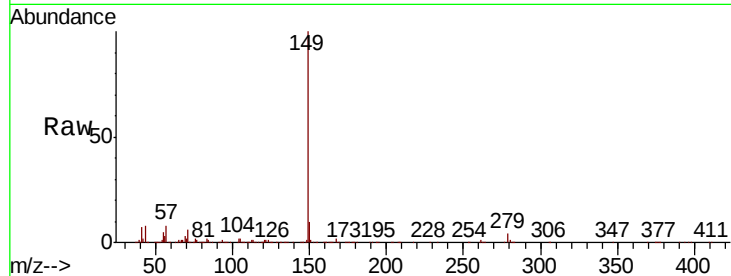
Tot Ion:149 Resp: 1427872

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

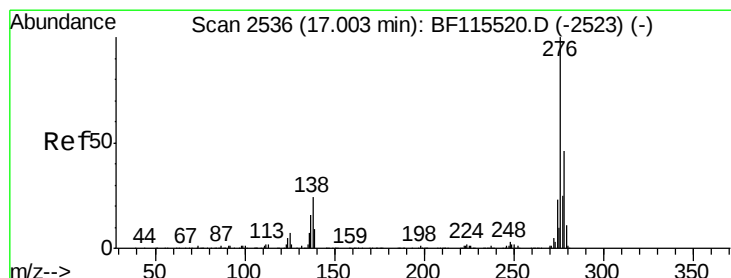
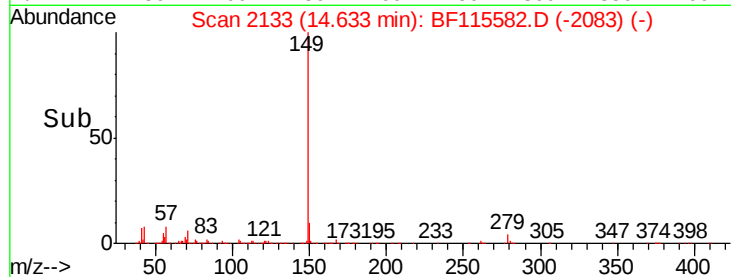
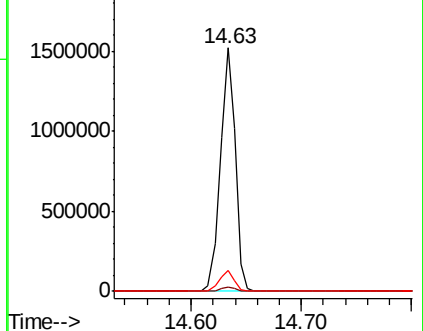
43 8.5 7.2 10.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 38.300 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.02 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

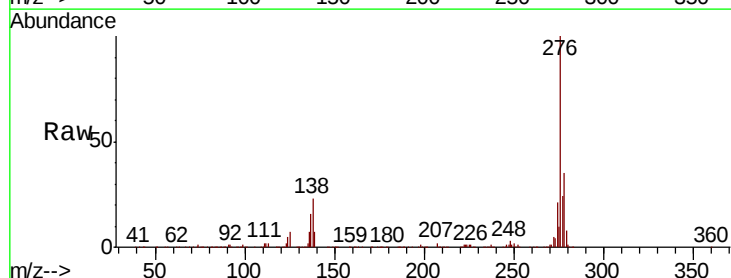
Tgt Ion:276 Resp: 990100

Ion Ratio Lower Upper

276 100

138 25.0 20.2 30.2

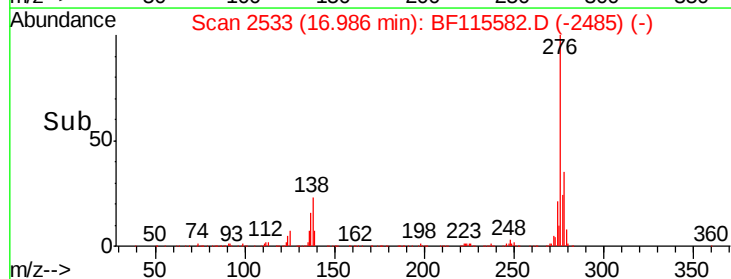
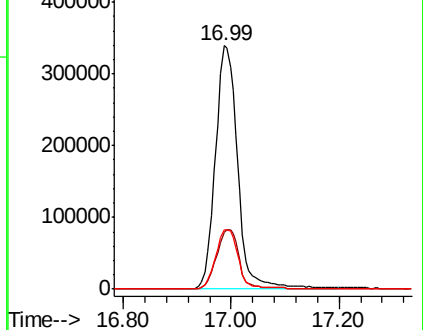
277 24.9 20.4 30.6

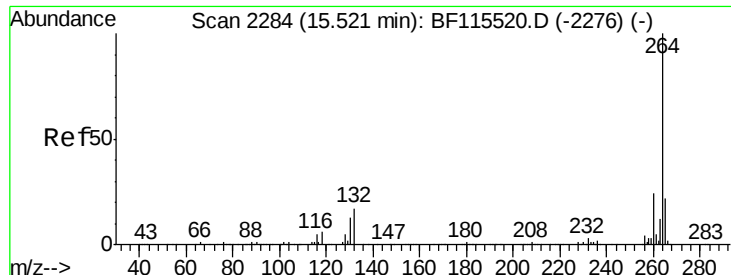


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



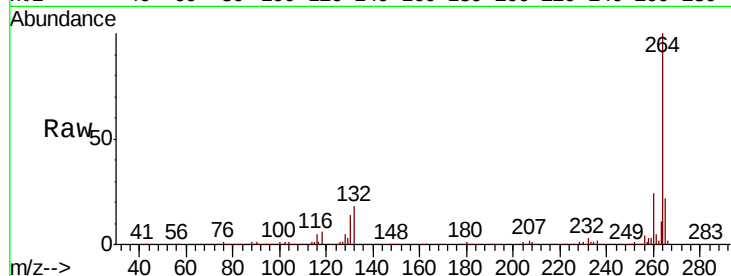


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.51 min Scan# 2282  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

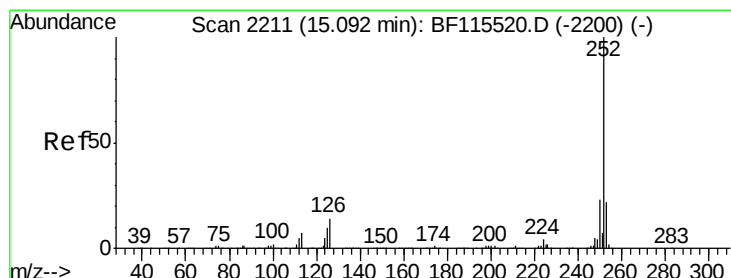
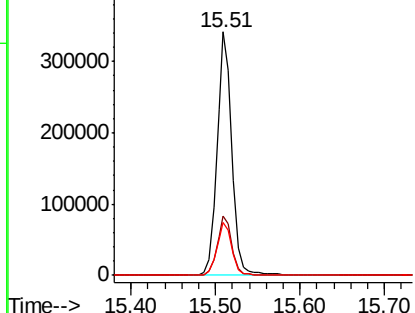
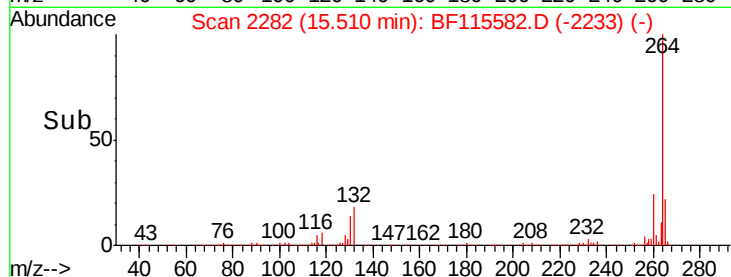
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 424084  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 19.8  | 29.8  |
| 265 | 21.6  | 17.7  | 26.5  |



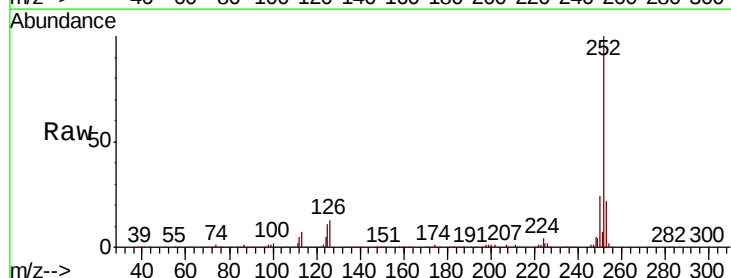
Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



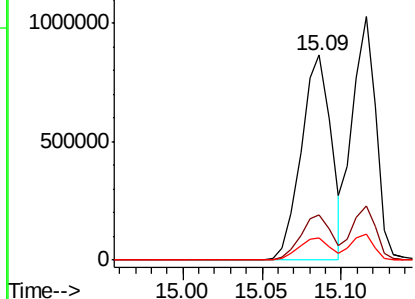
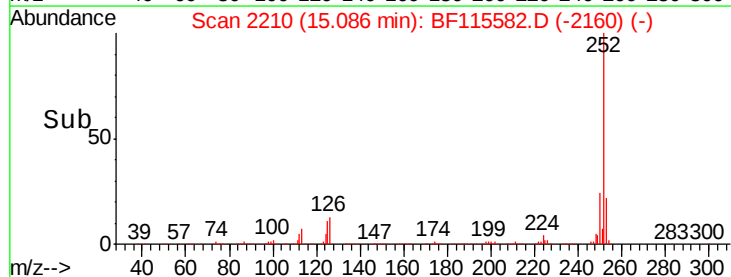
#88  
Benzo(b)fluoranthene  
Concen: 41.517 ng  
RT: 15.09 min Scan# 2210  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

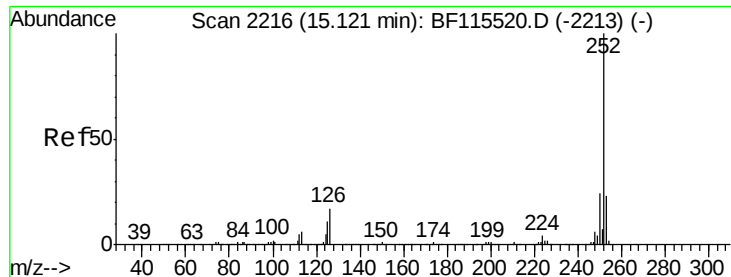
Tgt Ion:252 Resp: 1133741  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.2  | 18.1  | 27.1  |
| 125 | 10.7  | 9.0   | 13.4  |



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

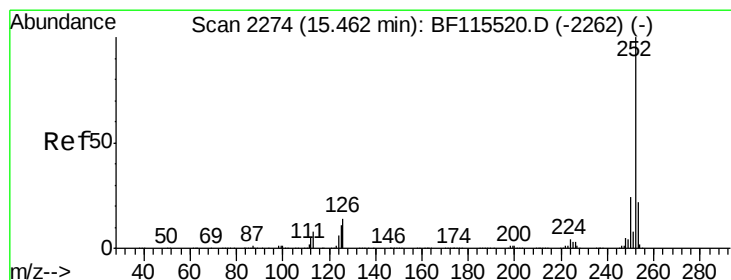
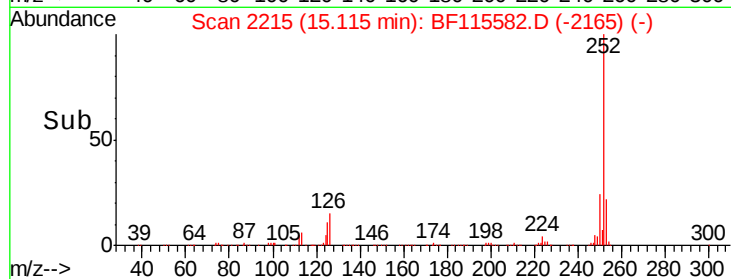
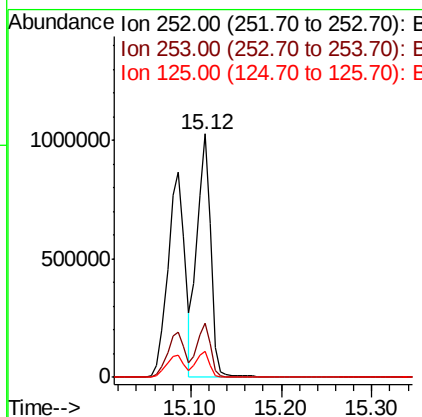
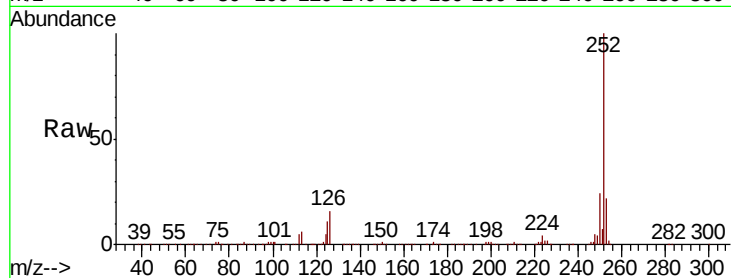




#89  
Benzo(k)fluoranthene  
Concen: 44.186 ng  
RT: 15.12 min Scan# 2215  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

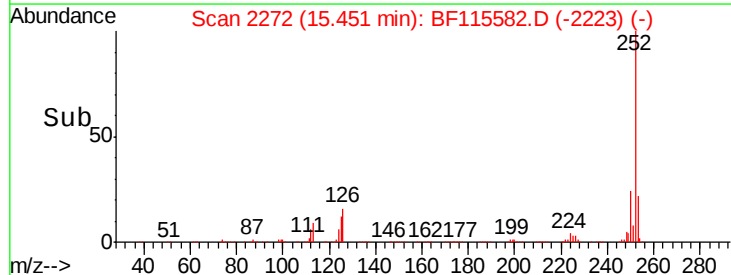
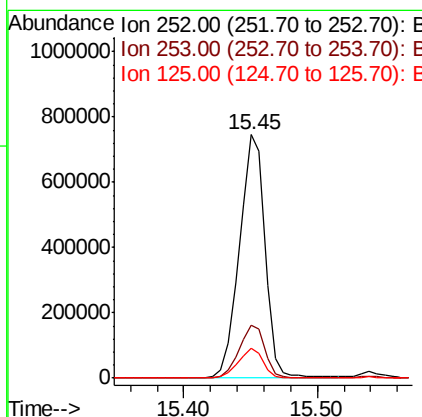
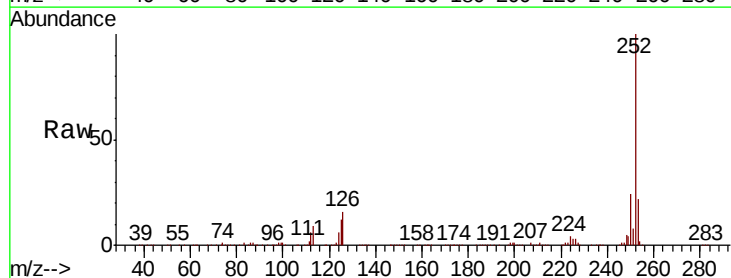
Instrument :  
BNA\_F  
ClientSampleId :

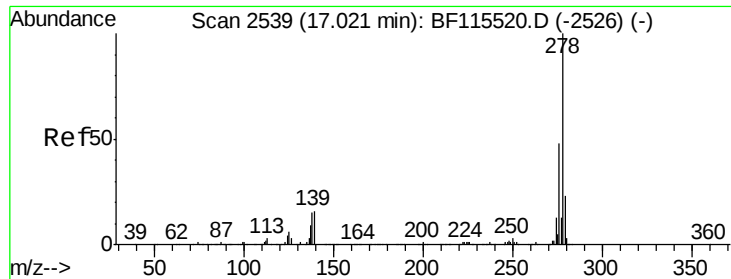
Tot Ion:252 Resp: 1075766  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.6 28.0  
125 10.8 9.0 13.6



#90  
Benzo(a)pyrene  
Concen: 42.070 ng  
RT: 15.45 min Scan# 2272  
Delta R.T. -0.01 min  
Lab File: BF115582.D  
Acq: 16 Jul 2019 7:45

Tgt Ion:252 Resp: 987403  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.8 26.6  
125 12.3 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 39.454 ng

RT: 17.00 min Scan# 2536

Delta R.T. -0.02 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

Instrument :

BNA\_F

ClientSampleId :

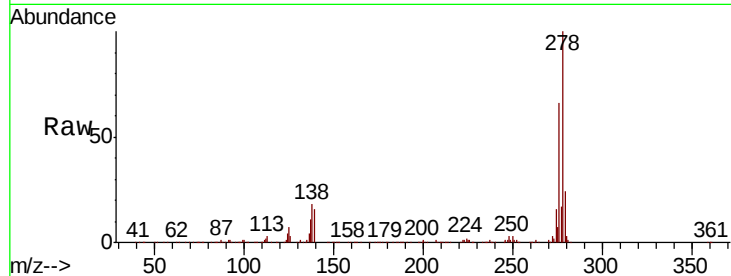
Tot Ion:278 Resp: 812947

Ion Ratio Lower Upper

278 100

139 16.4 13.1 19.7

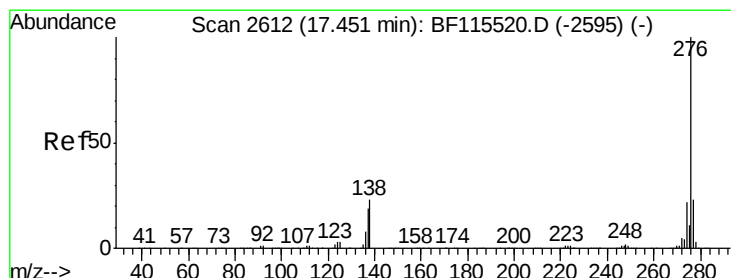
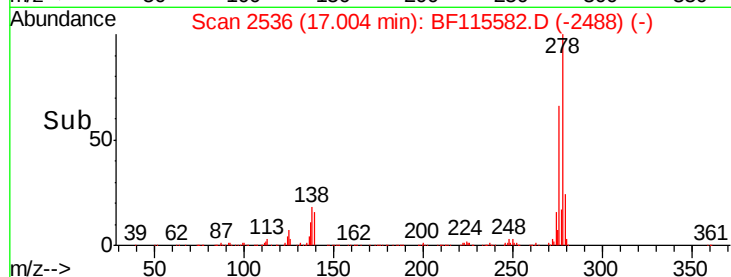
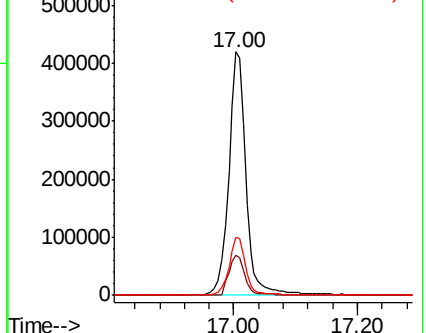
279 23.7 19.6 29.4



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: 35.734 ng

RT: 17.43 min Scan# 2609

Delta R.T. -0.02 min

Lab File: BF115582.D

Acq: 16 Jul 2019 7:45

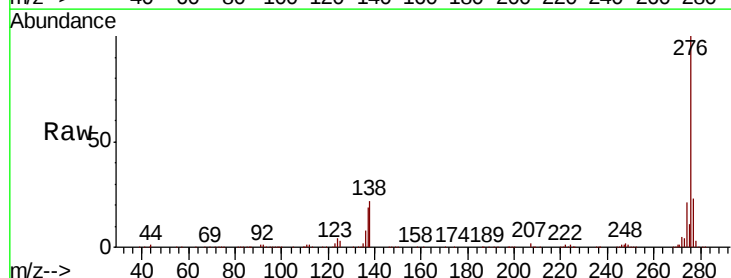
Tgt Ion:276 Resp: 734317

Ion Ratio Lower Upper

276 100

277 22.9 19.0 28.4

138 21.5 17.2 25.8



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

