

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\  
 Data File : BF113702.D  
 Acq On : 10 Apr 2019 17:57  
 Operator : JU/SJ  
 Sample : K2200-02MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 11 01:00:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.68  | 152  | 121154   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.96  | 136  | 451222   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.71  | 164  | 211782   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.19 | 188  | 377691   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 13.83 | 240  | 283544   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 15.23 | 264  | 286575   | 20.00 | ng    | -0.02    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.31  | 112 | 838463  | 118.01 | ng | 0.01  |
| 7) Phenol-d6                | 6.34  | 99  | 985389  | 112.53 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.25  | 82  | 711168  | 92.32  | ng | 0.00  |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330 | 331617  | 130.35 | ng | -0.01 |
| 45) 2-Fluorobiphenyl        | 9.04  | 172 | 1282954 | 97.53  | ng | -0.01 |
| 79) Terphenyl-d14           | 12.77 | 244 | 1176918 | 84.51  | ng | -0.02 |

|                                |      |     |        |        |    |      |
|--------------------------------|------|-----|--------|--------|----|------|
| Target Compounds               |      |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.46 | 88  | 115468 | 34.314 | ng | # 84 |
| 3) Pyridine                    | 3.16 | 79  | 238098 | 27.037 | ng | 98   |
| 4) n-Nitrosodimethylamine      | 3.06 | 42  | 141089 | 37.708 | ng | 98   |
| 6) Aniline                     | 6.35 | 93  | 69359  | 6.534  | ng | # 1  |
| 8) 2-Chlorophenol              | 6.47 | 128 | 333730 | 40.599 | ng | 97   |
| 9) Benzaldehyde                | 6.23 | 77  | 146697 | 28.174 | ng | 99   |
| 10) Phenol                     | 6.35 | 94  | 335976 | 33.594 | ng | # 77 |
| 11) bis(2-Chloroethyl)ether    | 6.42 | 93  | 323483 | 41.580 | ng | 97   |
| 12) 1,3-Dichlorobenzene        | 6.62 | 146 | 334712 | 37.810 | ng | 97   |
| 13) 1,4-Dichlorobenzene        | 6.70 | 146 | 345024 | 38.568 | ng | 98   |
| 14) 1,2-Dichlorobenzene        | 6.85 | 146 | 322358 | 39.922 | ng | 97   |
| 15) Benzyl Alcohol             | 6.84 | 79  | 259885 | 43.893 | ng | 98   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.96 | 45  | 481938 | 39.799 | ng | 56   |
| 17) 2-Methylphenol             | 6.96 | 107 | 267579 | 42.004 | ng | # 89 |
| 18) Hexachloroethane           | 7.19 | 117 | 115463 | 35.460 | ng | 96   |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70  | 233556 | 43.253 | ng | 99   |
| 20) 3+4-Methylphenols          | 7.12 | 107 | 345684 | 44.785 | ng | 91   |
| 22) Acetophenone               | 7.09 | 105 | 467292 | 47.152 | ng | # 97 |
| 24) Nitrobenzene               | 7.27 | 77  | 354095 | 44.635 | ng | 98   |
| 25) Isophorone                 | 7.51 | 82  | 637674 | 42.972 | ng | 100  |
| 26) 2-Nitrophenol              | 7.59 | 139 | 185946 | 43.551 | ng | 93   |
| 27) 2,4-Dimethylphenol         | 7.63 | 122 | 309639 | 50.728 | ng | 99   |
| 28) bis(2-Chloroethoxy)methane | 7.72 | 93  | 409494 | 43.648 | ng | 100  |
| 29) 2,4-Dichlorophenol         | 7.84 | 162 | 302407 | 46.305 | ng | 98   |
| 30) 1,2,4-Trichlorobenzene     | 7.90 | 180 | 306055 | 43.154 | ng | 99   |
| 31) Naphthalene                | 7.98 | 128 | 988794 | 45.227 | ng | 100  |
| 32) Benzoic acid               | 7.79 | 122 | 112254 | 23.750 | ng | 96   |
| 33) 4-Chloroaniline            | 8.06 | 127 | 36944  | 4.262  | ng | 97   |
| 34) Hexachlorobutadiene        | 8.10 | 225 | 176605 | 40.844 | ng | 99   |
| 35) Caprolactam                | 8.42 | 113 | 39151  | 18.885 | ng | 97   |
| 36) 4-Chloro-3-methylphenol    | 8.55 | 107 | 295215 | 45.030 | ng | 97   |
| 37) 2-Methylnaphthalene        | 8.67 | 142 | 663390 | 46.136 | ng | 99   |
| 38) 1-Methylnaphthalene        | 8.77 | 142 | 619804 | 44.702 | ng | 100  |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.85 | 216 | 314550 | 45.925 | ng | 99   |

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 Acq On : 10 Apr 2019 17:57  
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 Sample : K2200-02MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

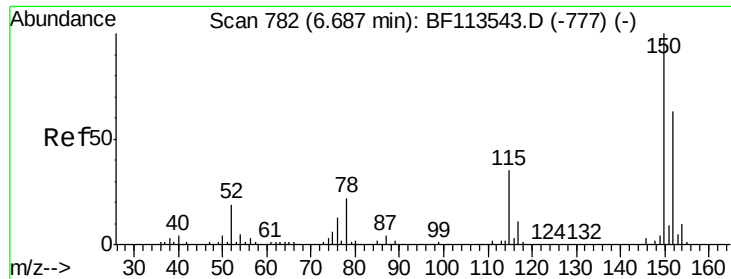
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 11 01:00:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.83  | 237  | 56771    | 33.096 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 8.96  | 196  | 204725   | 47.353 | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 9.02  | 196  | 217947   | 46.956 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.14  | 154  | 810590   | 46.383 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.16  | 162  | 611350   | 46.203 | ng    | 98       |
| 48) 2-Nitroaniline             | 9.27  | 65   | 194292   | 47.988 | ng    | 98       |
| 49) Acenaphthylene             | 9.57  | 152  | 968531   | 45.014 | ng    | 99       |
| 50) Dimethylphthalate          | 9.44  | 163  | 721545   | 46.220 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.51  | 165  | 159610   | 46.383 | ng    | 94       |
| 52) Acenaphthene               | 9.75  | 154  | 574387   | 46.636 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.68  | 138  | 32520    | 8.312  | ng    | 90       |
| 54) 2,4-Dinitrophenol          | 9.80  | 184  | 63851    | 39.661 | ng    | 93       |
| 55) Dibenzofuran               | 9.92  | 168  | 846343   | 46.845 | ng    | 99       |
| 56) 4-Nitrophenol              | 9.87  | 139  | 149380   | 61.551 | ng    | 94       |
| 57) 2,4-Dinitrotoluene         | 9.92  | 165  | 195916   | 47.075 | ng    | 98       |
| 58) Fluorene                   | 10.26 | 166  | 669902   | 46.880 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.05 | 232  | 193731   | 48.219 | ng    | 97       |
| 60) Diethylphthalate           | 10.14 | 149  | 701644   | 46.617 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.25 | 204  | 330243   | 46.986 | ng    | 93       |
| 62) 4-Nitroaniline             | 10.29 | 138  | 133852   | 33.644 | ng    | 98       |
| 63) Azobenzene                 | 10.41 | 77   | 640575   | 44.949 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.33 | 198  | 45421    | 22.843 | ng    | 93       |
| 66) n-Nitrosodiphenylamine     | 10.37 | 169  | 611364   | 52.727 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.74 | 248  | 208801   | 49.292 | ng    | 94       |
| 68) Hexachlorobenzene          | 10.82 | 284  | 230166   | 47.421 | ng    | 100      |
| 69) Atrazine                   | 10.90 | 200  | 179852   | 49.212 | ng    | 96       |
| 70) Pentachlorophenol          | 11.02 | 266  | 182203   | 79.666 | ng    | 98       |
| 71) Phenanthrene               | 11.22 | 178  | 897217   | 47.806 | ng    | 100      |
| 72) Anthracene                 | 11.27 | 178  | 926897   | 48.542 | ng    | 99       |
| 73) Carbazole                  | 11.43 | 167  | 840100   | 47.041 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.75 | 149  | 1020877  | 48.053 | ng    | 99       |
| 75) Fluoranthene               | 12.40 | 202  | 872192   | 43.369 | ng    | 98       |
| 77) Benzidine                  | 12.53 | 184  | 158169   | 15.001 | ng    | 97       |
| 78) Pyrene                     | 12.63 | 202  | 881696   | 40.867 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.24 | 149  | 361567   | 41.171 | ng    | 94       |
| 81) Benzo(a)anthracene         | 13.82 | 228  | 746247   | 45.624 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.78 | 252  | 129244   | 20.515 | ng    | 97       |
| 83) Chrysene                   | 13.85 | 228  | 772001   | 46.560 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.80 | 149  | 468189   | 44.094 | ng    | # 97     |
| 85) Di-n-octyl phthalate       | 14.41 | 149  | 847655   | 49.112 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.60 | 276  | 658984   | 43.046 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.84 | 252  | 813420   | 46.370 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.86 | 252  | 765830   | 48.644 | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.18 | 252  | 755983   | 48.498 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.60 | 278  | 568166   | 38.977 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.00 | 276  | 531908   | 35.750 | ng    | 99       |

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



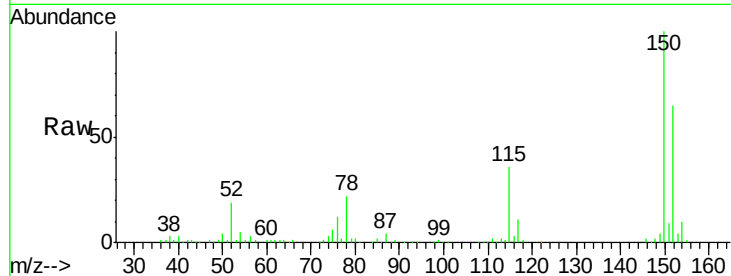


#1

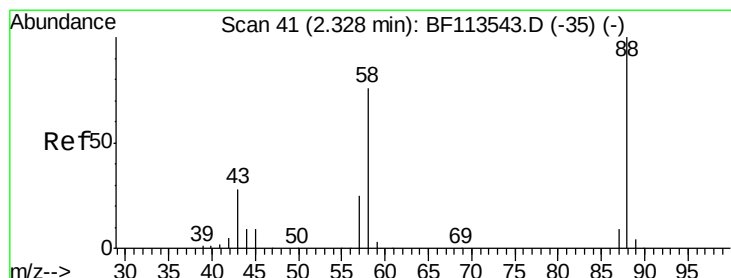
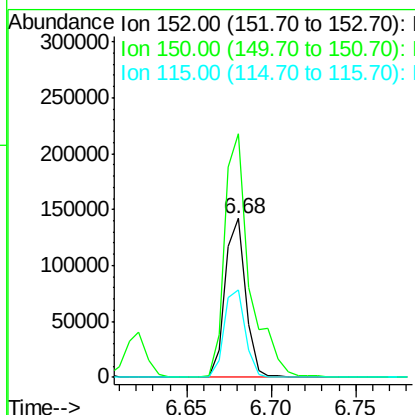
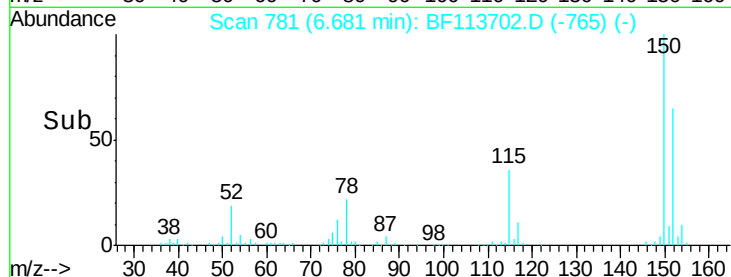
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.68 min Scan# 781  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.3 | 124.7 | 187.1 |
| 115     | 54.8  | 46.0  | 69.0  |



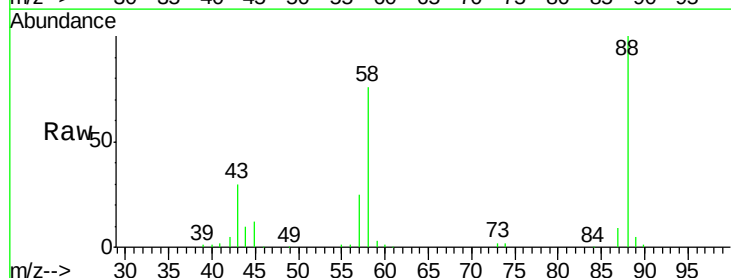
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



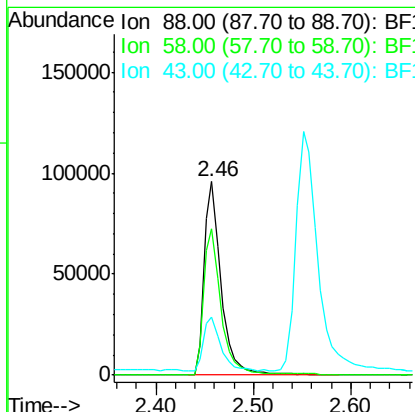
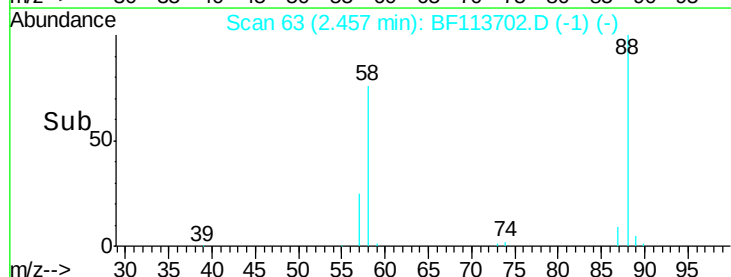
#2

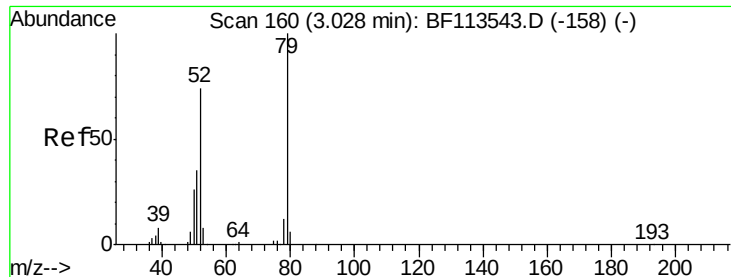
1,4-Dioxane  
Concen: 34.314 ng  
RT: 2.46 min Scan# 63  
Delta R.T. 0.13 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 77.4  | 61.9  | 92.9  |
| 43      | 0.0   | 24.2  | 36.4  |



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





#3

Pvridine

Concen: 27.037 ng

RT: 3.16 min Scan# 183

Delta R.T. 0.14 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

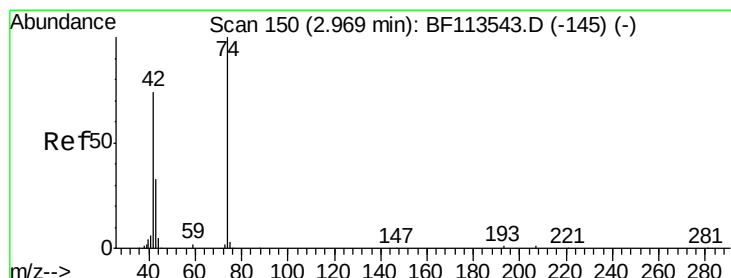
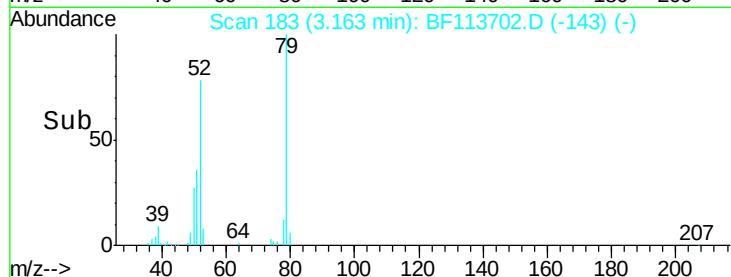
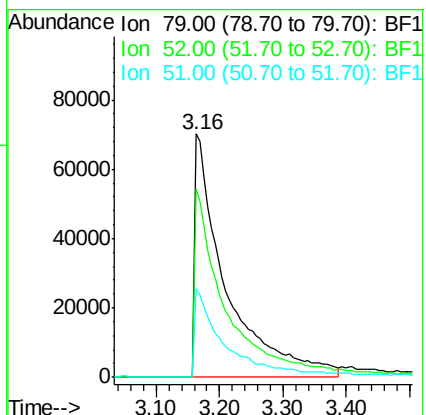
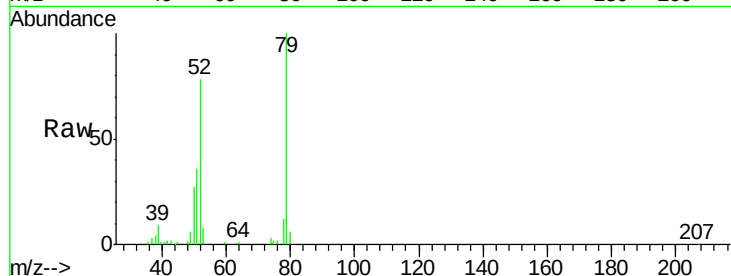
Tot Ion: 79 Resp: 238098

Ion Ratio Lower Upper

79 100

52 77.7 61.0 91.4

51 36.4 30.6 45.8



#4

n-Nitrosodimethylamine

Concen: 37.708 ng

RT: 3.06 min Scan# 165

Delta R.T. 0.09 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

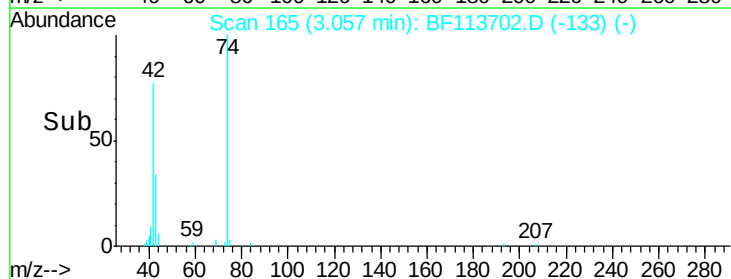
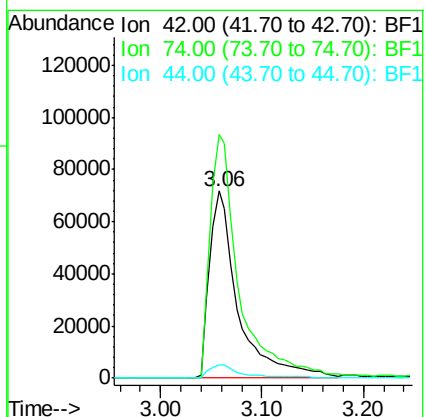
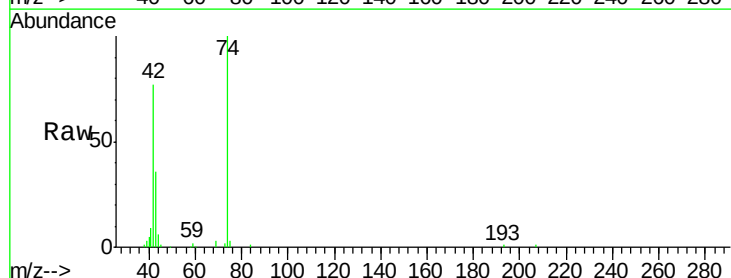
Tgt Ion: 42 Resp: 141089

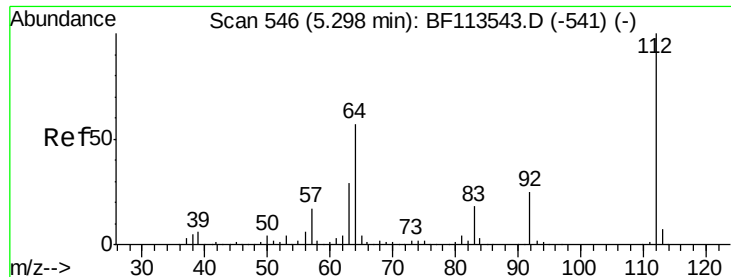
Ion Ratio Lower Upper

42 100

74 130.2 102.4 153.6

44 7.4 5.5 8.3





#5

2-Fluorophenol

Concen: 118.013 ng

RT: 5.31 min Scan# 548

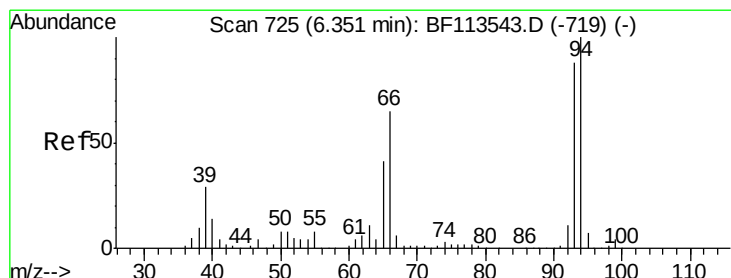
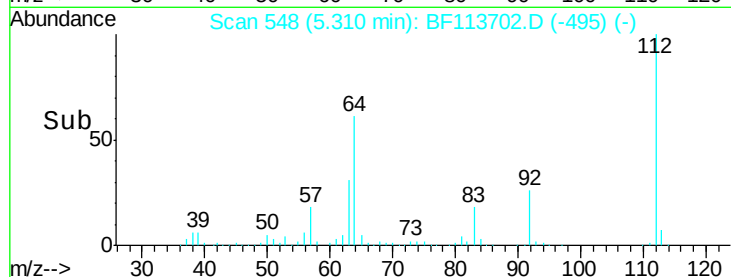
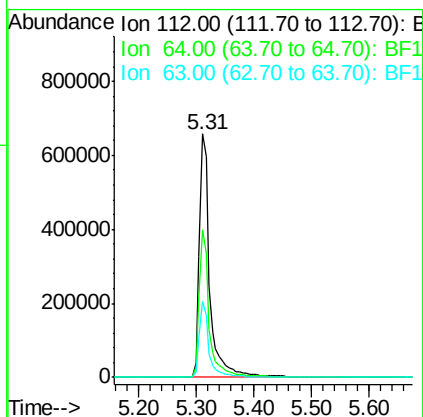
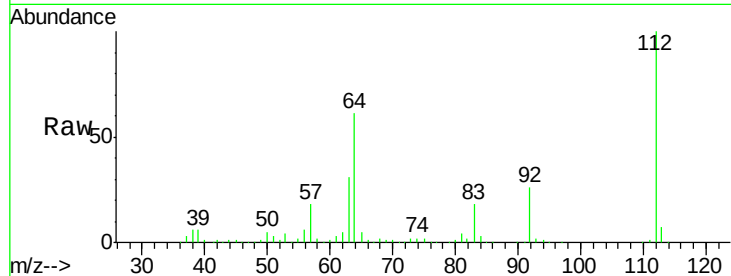
Delta R.T. 0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 838463 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 60.6  | 49.2  | 73.8   |
| 63       | 31.1  | 24.9  | 37.3   |



#6

Aniline

Concen: 6.534 ng

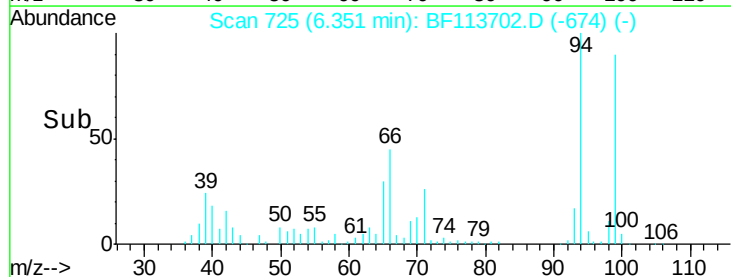
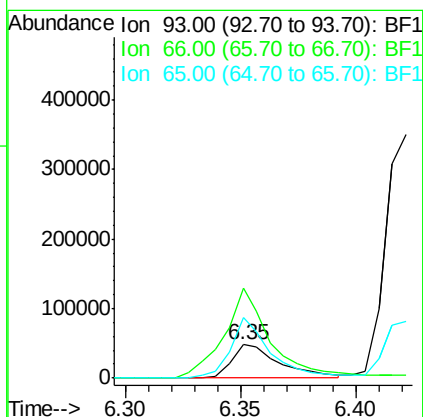
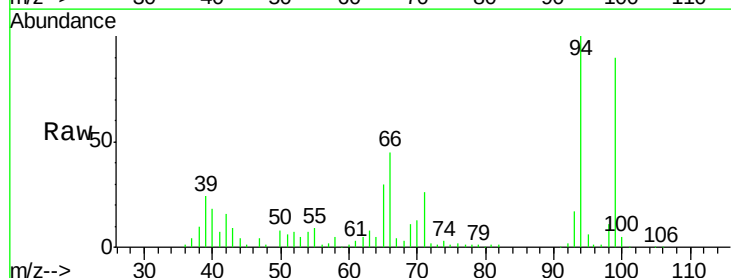
RT: 6.35 min Scan# 725

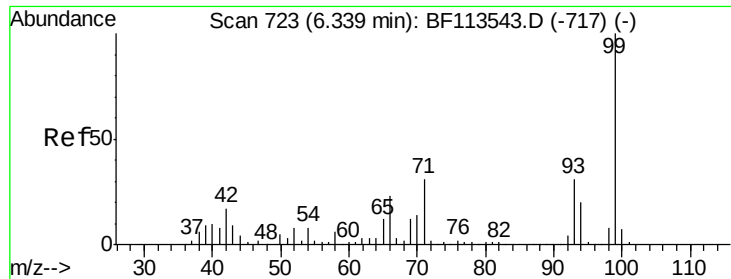
Delta R.T. -0.00 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 69359 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 267.8 | 62.1  | 93.1# |
| 65       | 179.6 | 38.7  | 58.1# |





#7

Phenol-d6

Concen: 112.529 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampled :

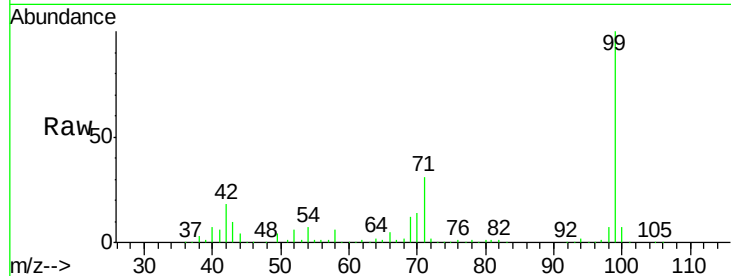
Tot Ion: 99 Resp: 985389

Ion Ratio Lower Upper

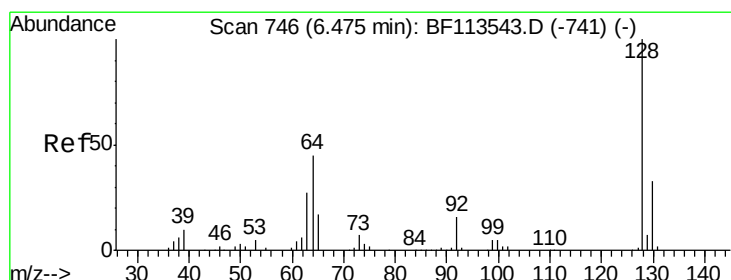
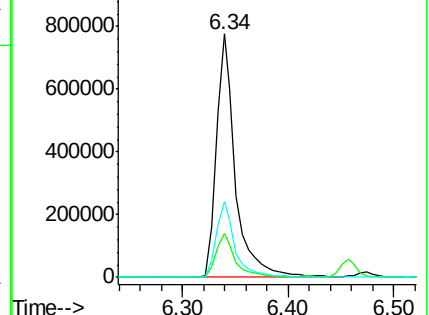
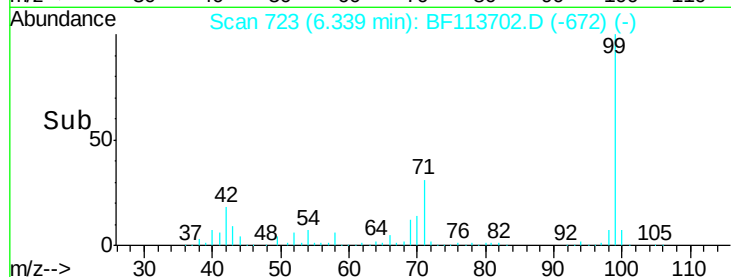
99 100

42 18.2 14.8 22.2

71 31.2 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 40.599 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

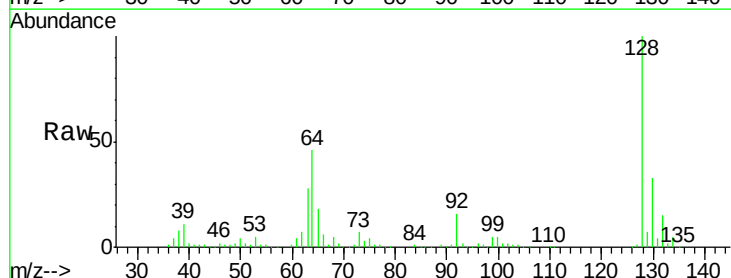
Tgt Ion: 128 Resp: 333730

Ion Ratio Lower Upper

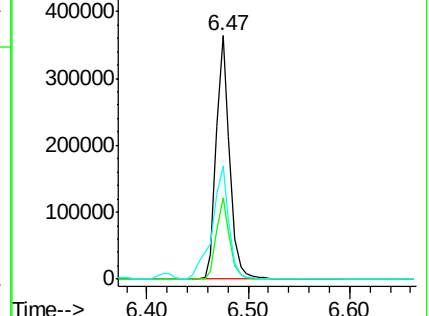
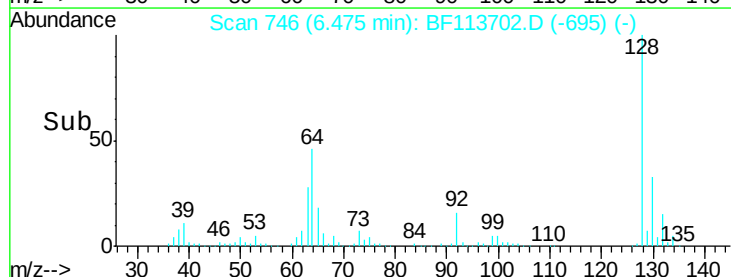
128 100

130 33.3 12.6 52.6

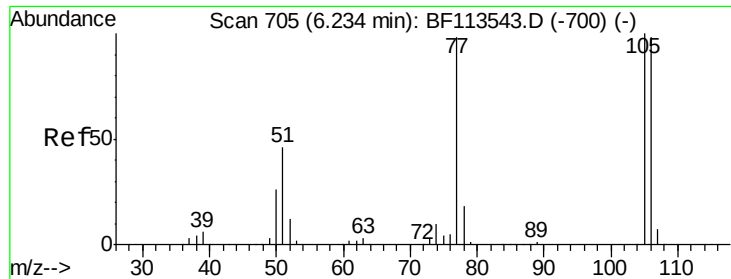
64 46.3 29.4 69.4



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: 28.174 ng

RT: 6.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

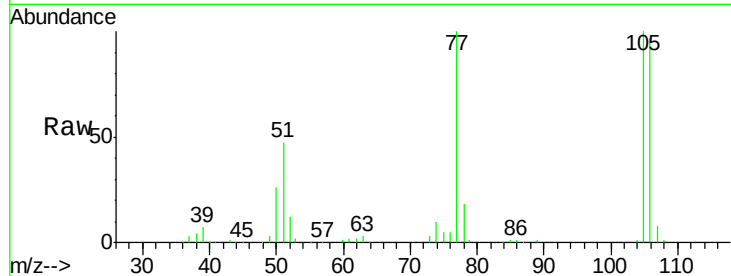
Tot Ion: 77 Resp: 146697

Ion Ratio Lower Upper

77 100

105 100.0 80.9 120.9

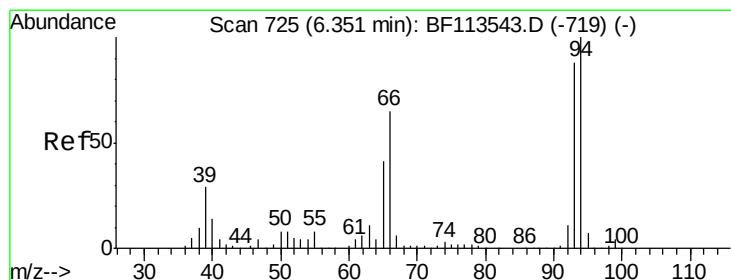
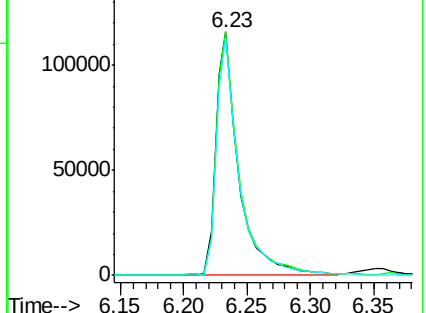
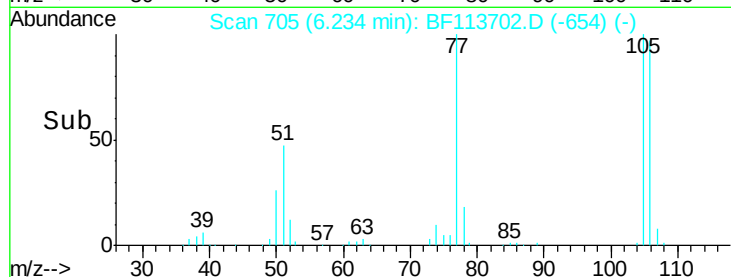
106 97.2 77.8 117.8



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: 33.594 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

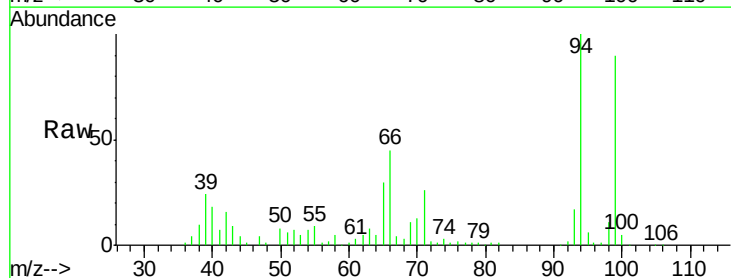
Tgt Ion: 94 Resp: 335976

Ion Ratio Lower Upper

94 100

65 30.1 21.4 61.4

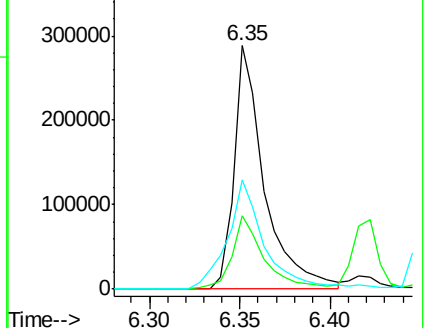
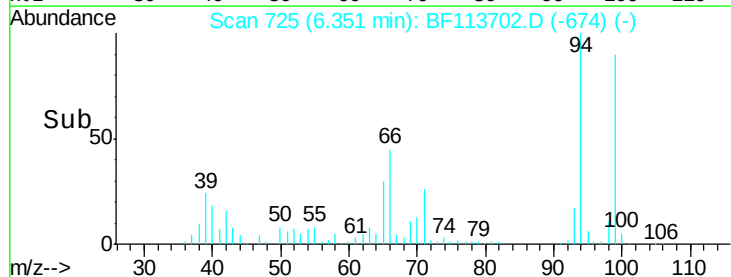
66 44.9 46.4 86.4#



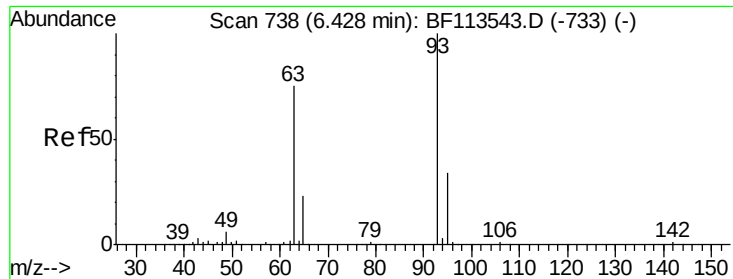
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



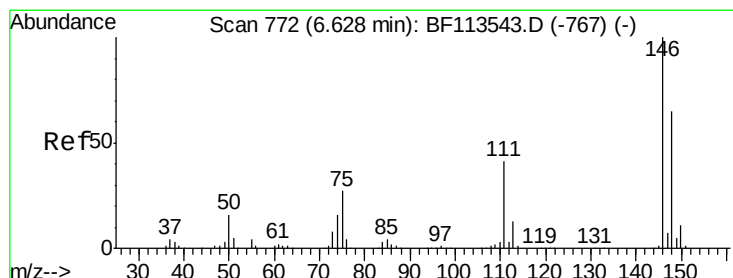
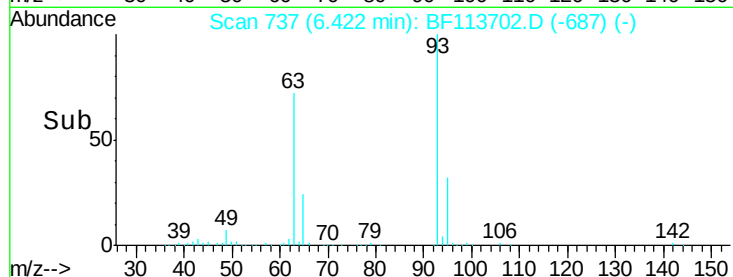
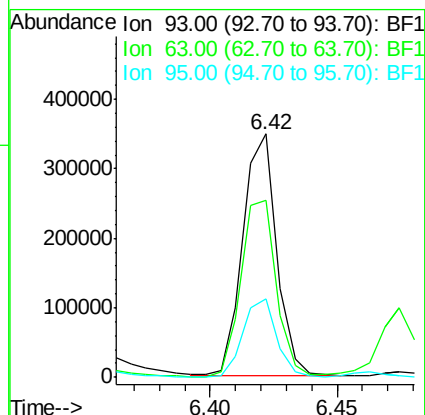
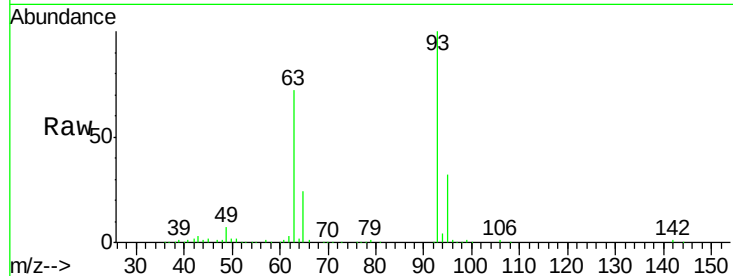




#11  
 bis(2-Chloroethyl)ether  
 Concen: 41.580 ng  
 RT: 6.42 min Scan# 737  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

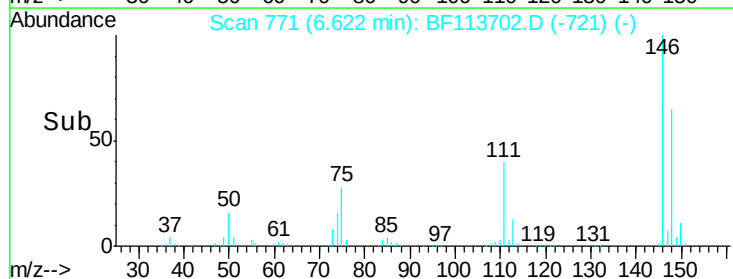
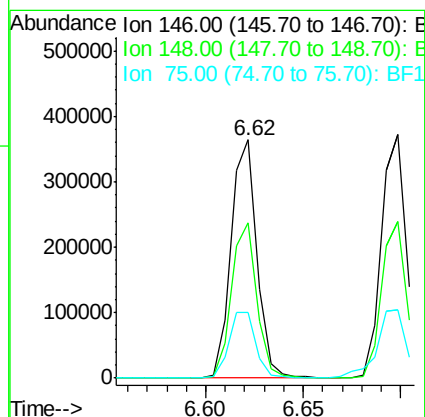
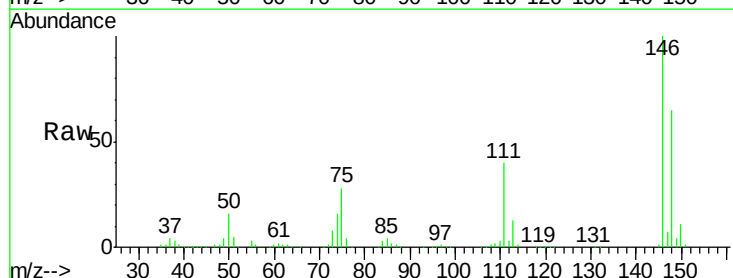
Instrument :  
 BNA\_F  
 ClientSampleId :

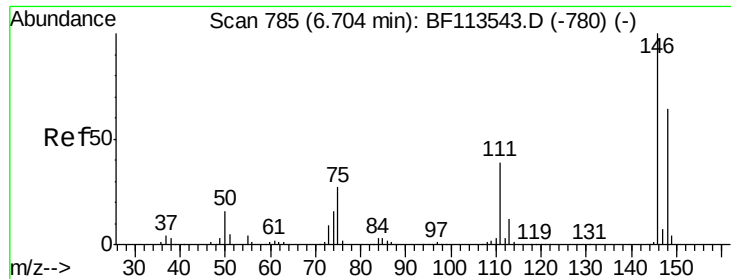
Tot Ion: 93 Resp: 323483  
 Ion Ratio Lower Upper  
 93 100  
 63 72.5 56.1 96.1  
 95 32.1 12.8 52.8



#12  
 1,3-Dichlorobenzene  
 Concen: 37.810 ng  
 RT: 6.62 min Scan# 771  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

Tgt Ion: 146 Resp: 334712  
 Ion Ratio Lower Upper  
 146 100  
 148 65.0 51.4 77.0  
 75 27.6 24.8 37.2

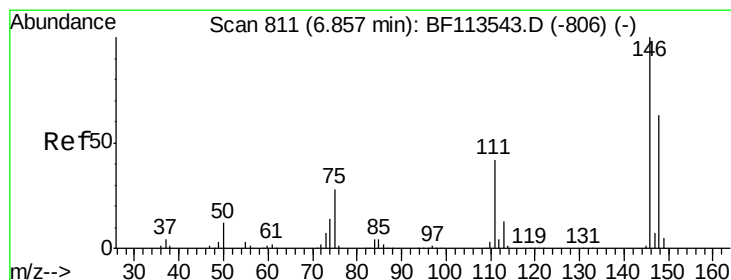
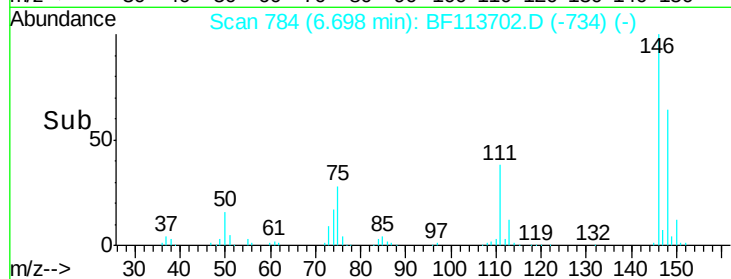
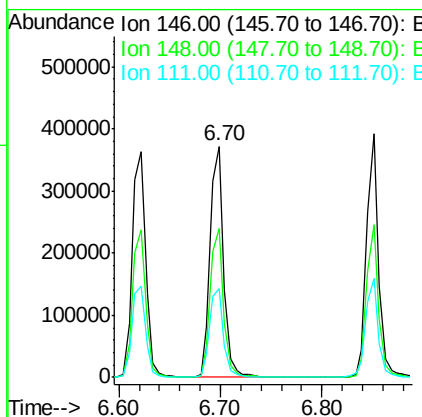
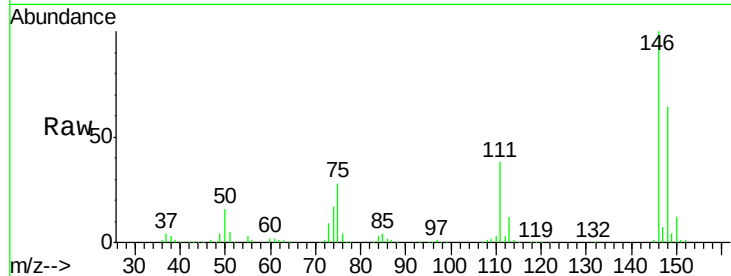




#13  
 1,4-Dichlorobenzene  
 Concen: 38.568 ng  
 RT: 6.70 min Scan# 784  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

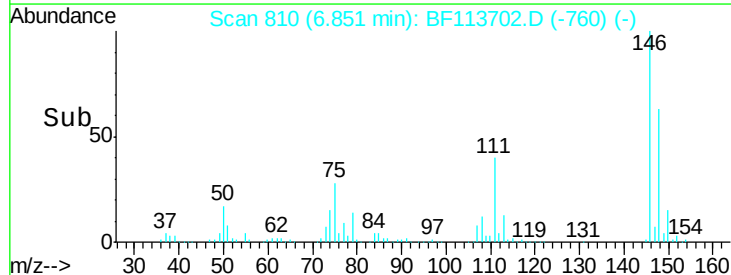
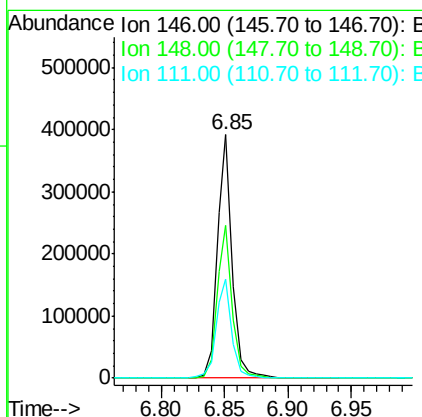
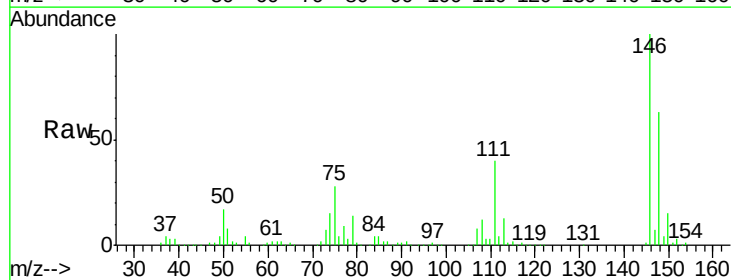
Instrument :  
 BNA\_F  
 ClientSampleId :

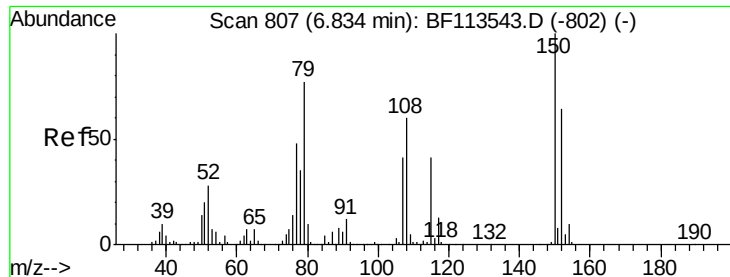
Tot Ion:146 Resp: 345024  
 Ion Ratio Lower Upper  
 146 100  
 148 64.5 51.1 76.7  
 111 38.4 32.8 49.2



#14  
 1,2-Dichlorobenzene  
 Concen: 39.922 ng  
 RT: 6.85 min Scan# 810  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

Tgt Ion:146 Resp: 322358  
 Ion Ratio Lower Upper  
 146 100  
 148 62.7 50.2 75.4  
 111 40.5 35.4 53.2

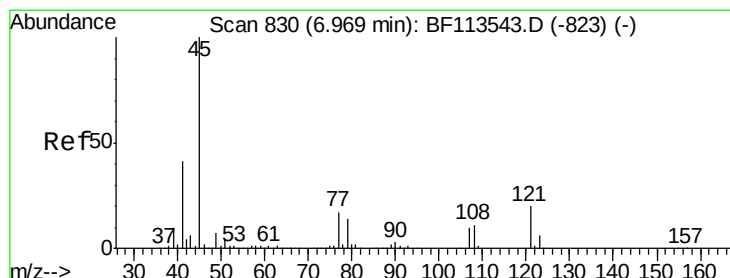
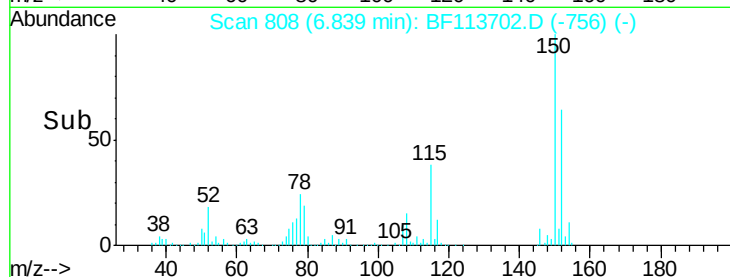
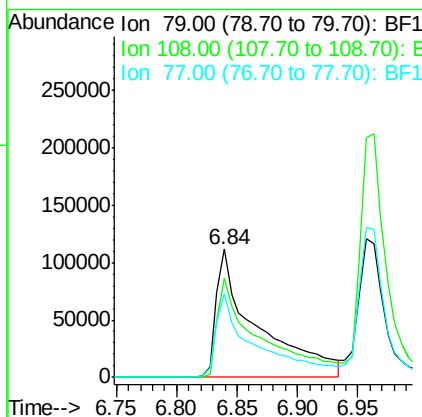
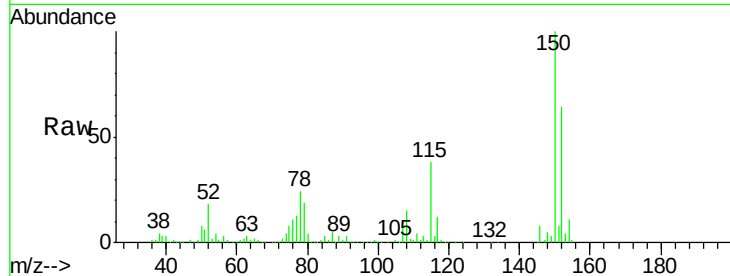




#15  
Benzyl Alcohol  
Concen: 43.893 ng  
RT: 6.84 min Scan# 808  
Delta R.T. 0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

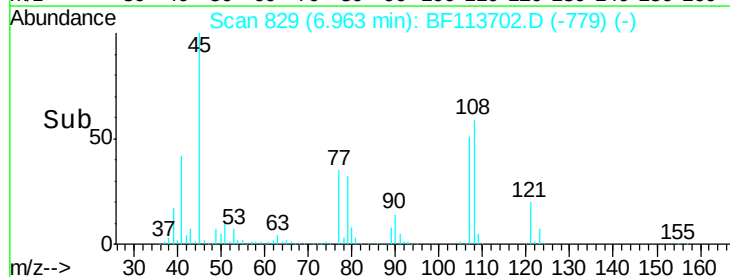
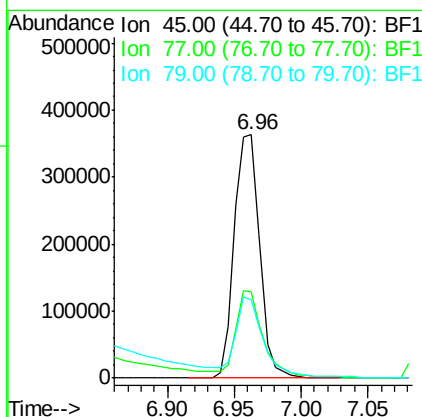
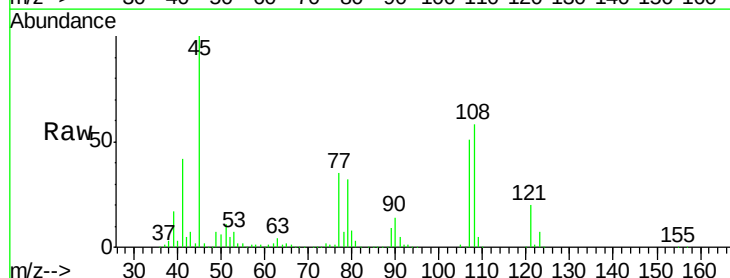
Instrument :  
BNA\_F  
ClientSampleId :

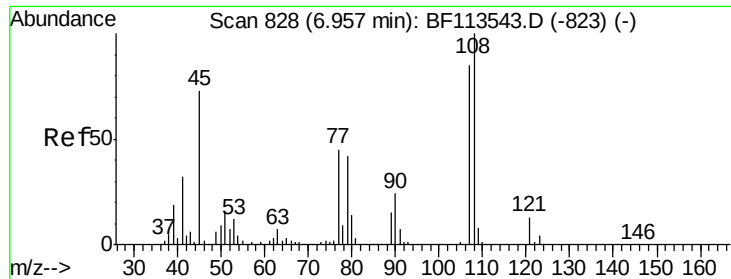
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 77.3  | 62.0  | 93.0  |
| 77      | 65.2  | 49.9  | 74.9  |



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.799 ng  
RT: 6.96 min Scan# 829  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 35.4  | 0.0   | 36.6  |
| 79      | 32.2  | 0.0   | 34.0  |

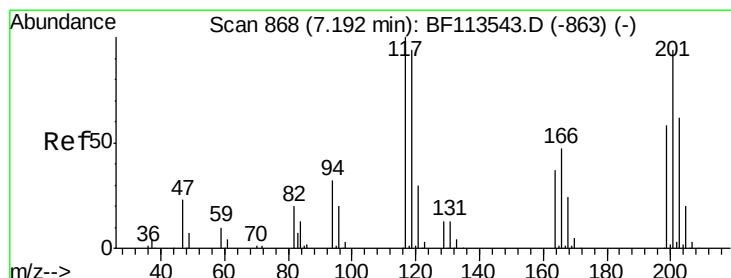
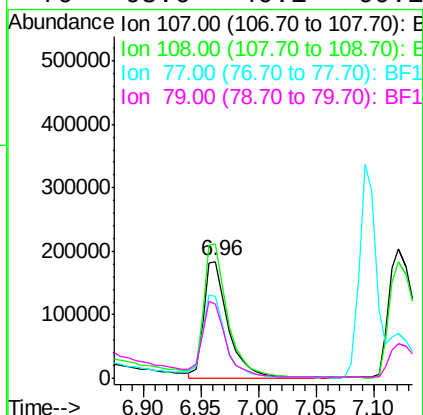
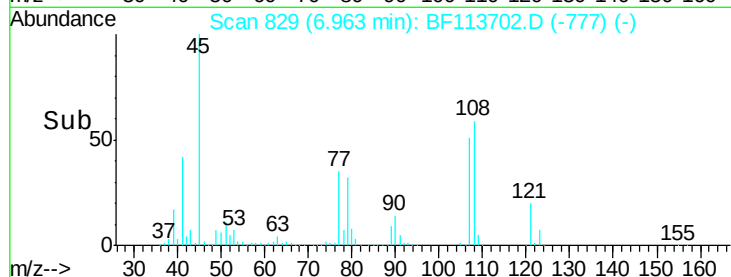
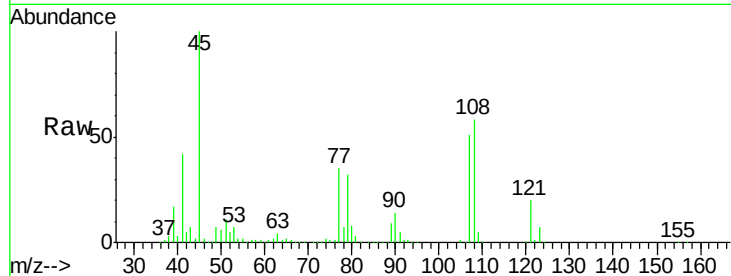




#17  
2-Methylphenol  
Concen: 42.004 ng  
RT: 6.96 min Scan# 829  
Delta R.T. 0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

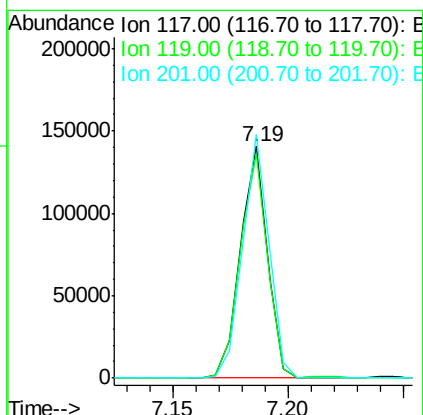
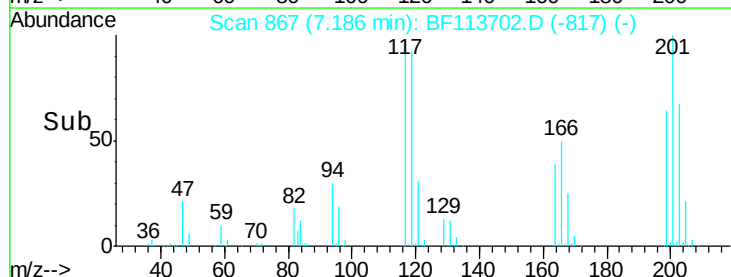
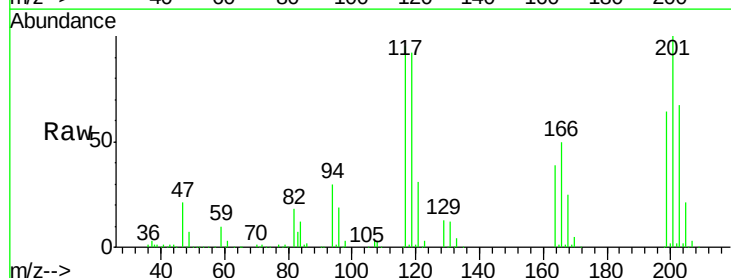
Instrument :  
BNA\_F  
ClientSampleId :

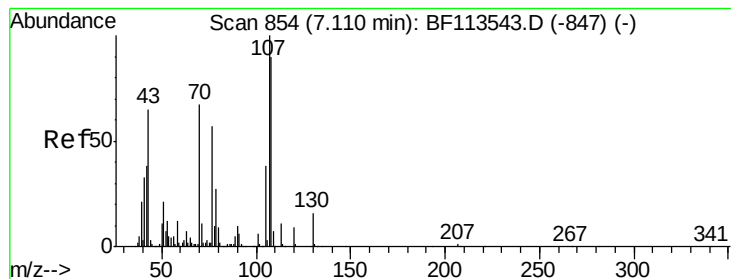
Tot Ion:107 Resp: 267579  
Ion Ratio Lower Upper  
107 100  
108 115.6 93.4 140.0  
77 70.1 41.2 61.8#  
79 63.6 40.1 60.1#



#18  
Hexachloroethane  
Concen: 35.460 ng  
RT: 7.19 min Scan# 867  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Tgt Ion:117 Resp: 115463  
Ion Ratio Lower Upper  
117 100  
119 97.0 76.9 115.3  
201 105.1 78.7 118.1





#19

n-Nitroso-di-n-propylamine

Concen: 43.253 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 233556

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 59.9  | 48.4  | 72.6  |
| 101 | 9.4   | 7.8   | 11.8  |
| 130 | 22.5  | 18.2  | 27.4  |

70 100

42 59.9 48.4 72.6

101 9.4 7.8 11.8

130 22.5 18.2 27.4

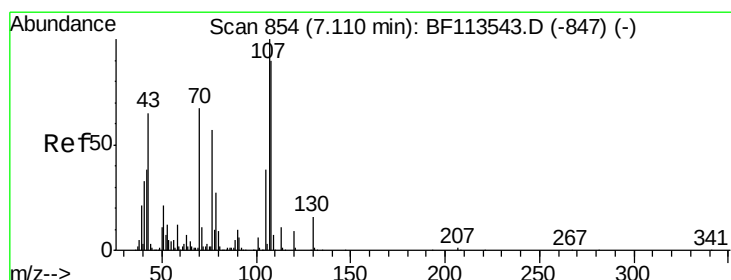
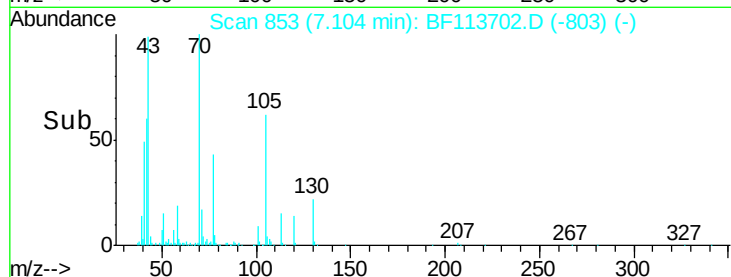
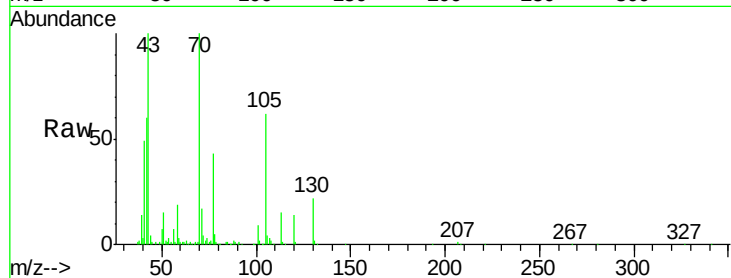
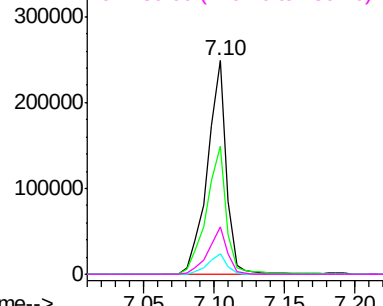
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 44.785 ng

RT: 7.12 min Scan# 856

Delta R.T. 0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Tgt Ion: 107 Resp: 345684

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 90.1  | 71.4  | 111.4 |
| 77  | 34.4  | 33.5  | 73.5  |
| 79  | 26.9  | 8.3   | 48.3  |

107 100

108 90.1 71.4 111.4

77 34.4 33.5 73.5

79 26.9 8.3 48.3

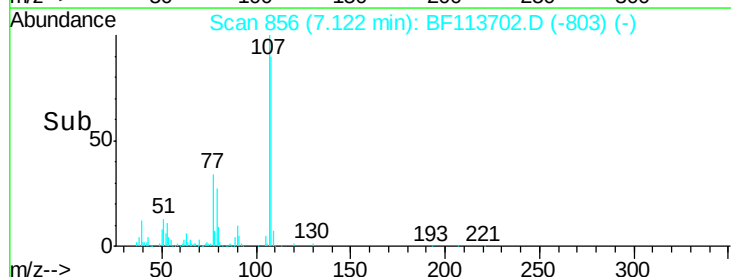
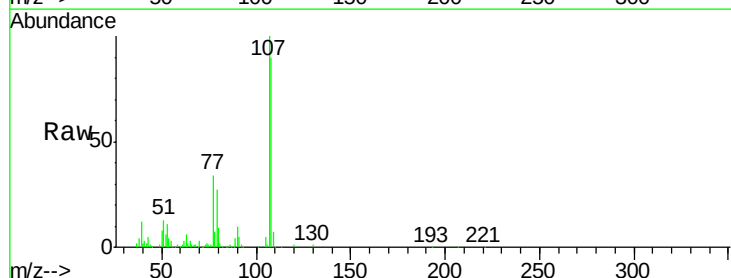
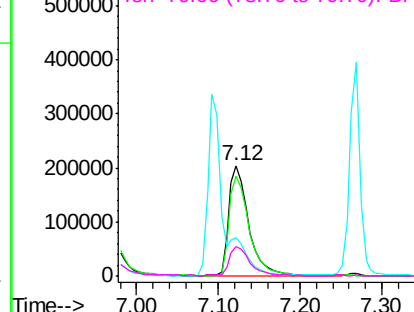
Abundance

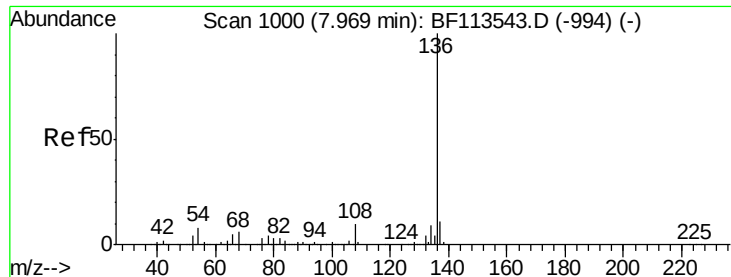
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

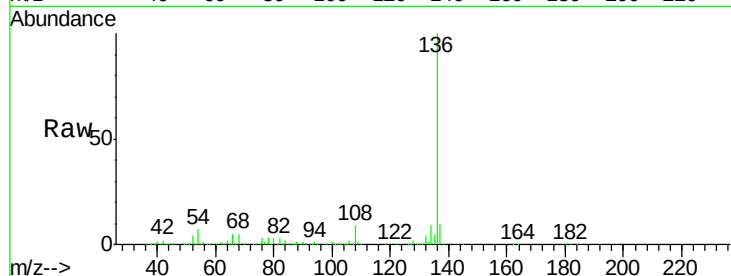




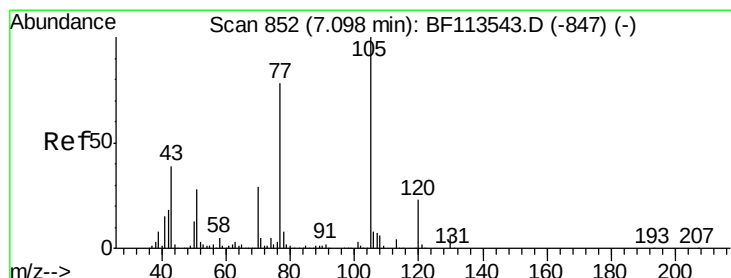
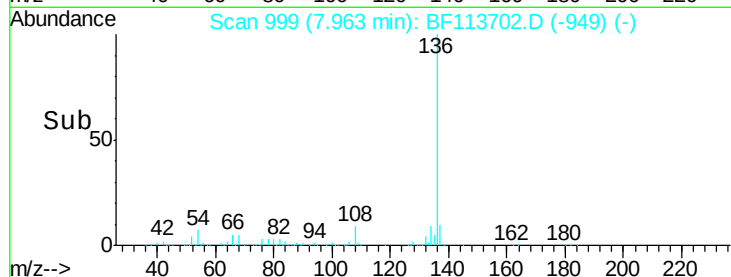
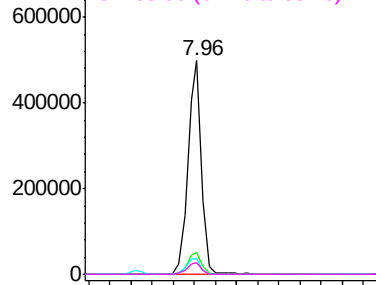
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.96 min Scan# 999  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 451222   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.5  | 8.9 13.3 |
| 54          | 7.3   | 7.0 10.6 |
| 68          | 5.3   | 4.8 7.2  |

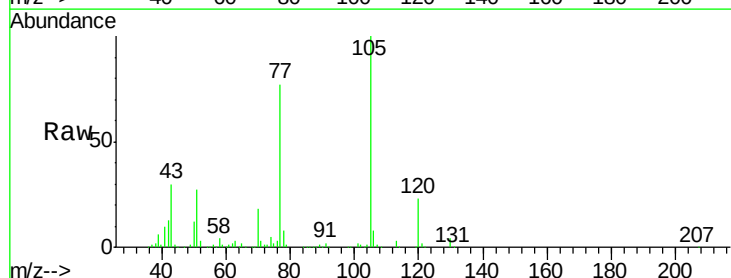


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

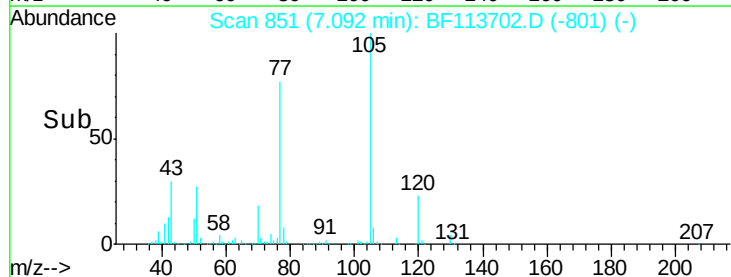
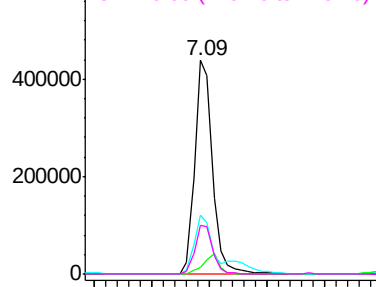


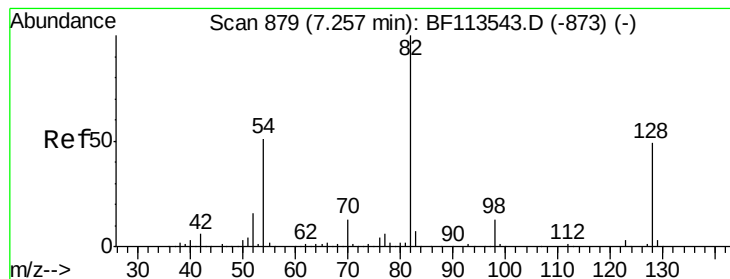
#22  
Acetophenone  
Concen: 47.152 ng  
RT: 7.09 min Scan# 851  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 467292    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 3.1   | 3.3 4.9#  |
| 51          | 27.4  | 24.2 36.2 |
| 120         | 22.6  | 18.1 27.1 |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 92.320 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :  
BNA\_F  
ClientSampled :

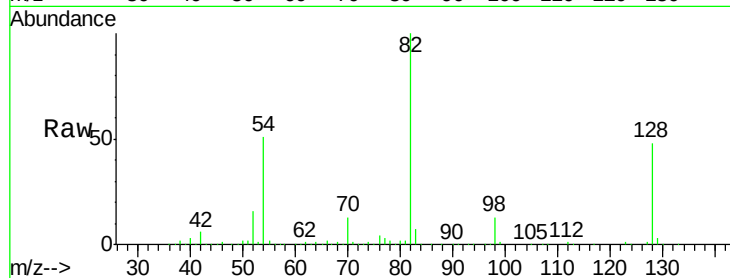
Tot Ion: 82 Resp: 711168

Ion Ratio Lower Upper

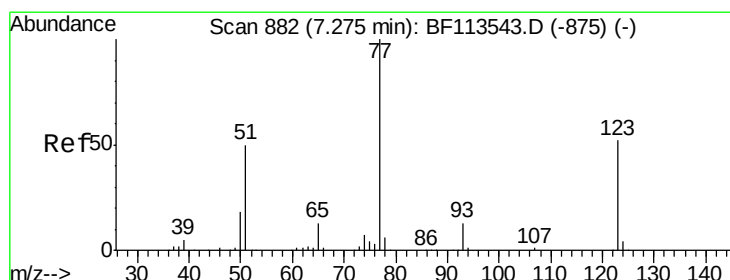
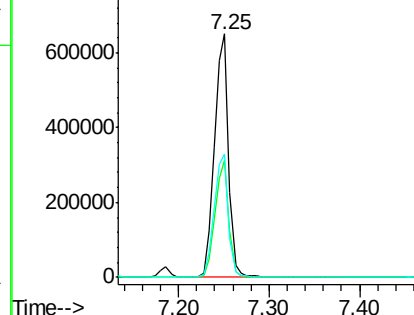
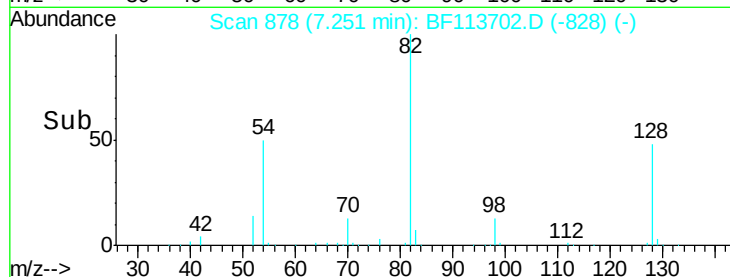
82 100

128 48.0 36.5 54.7

54 50.9 42.2 63.2



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



#24

Nitrobenzene

Concen: 44.635 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

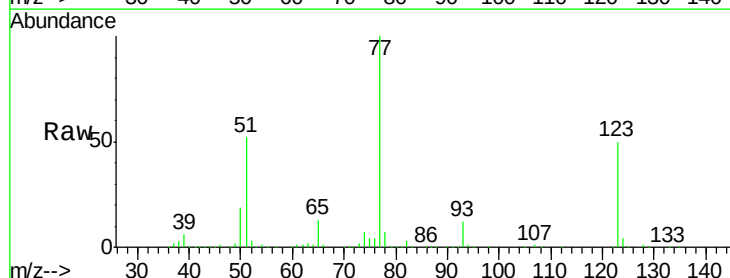
Tgt Ion: 77 Resp: 354095

Ion Ratio Lower Upper

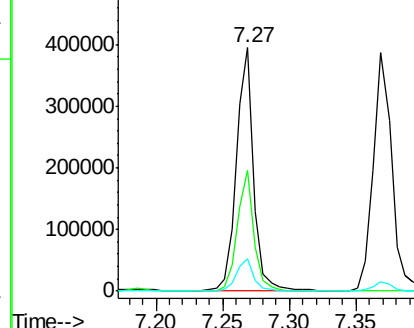
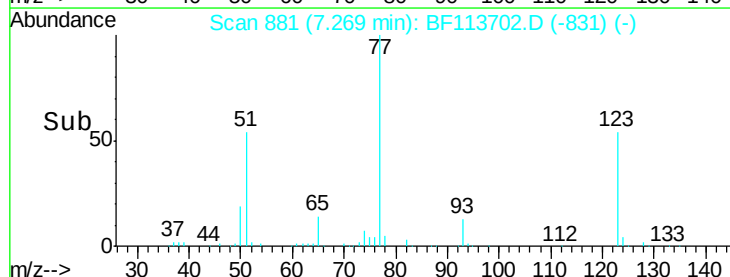
77 100

123 49.6 40.8 61.2

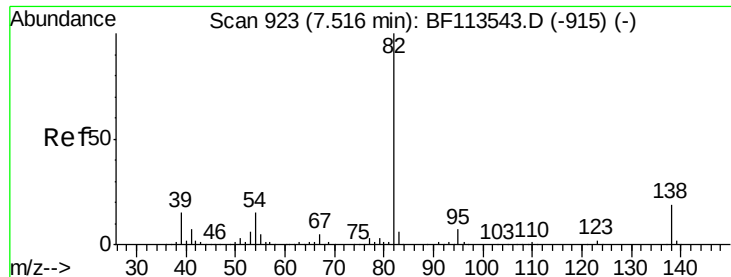
65 13.5 10.6 16.0



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







#25

Isophorone

Concen: 42.972 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

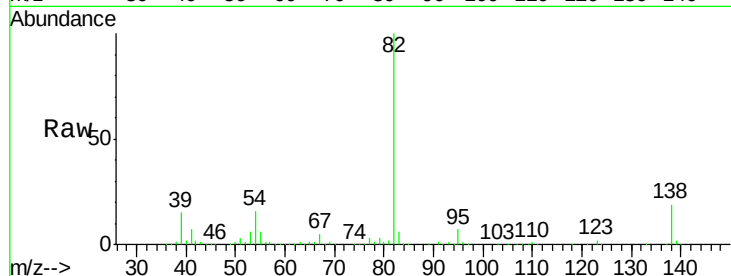
Tot Ion: 82 Resp: 637674

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

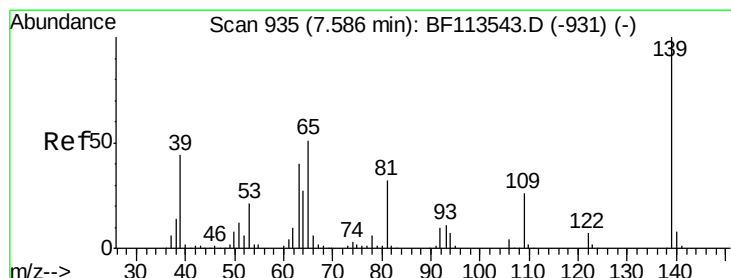
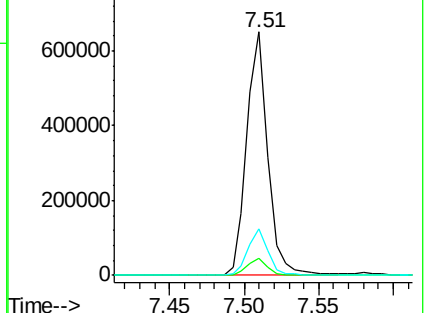
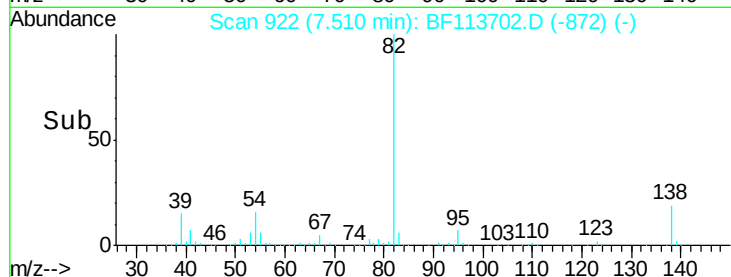
138 18.9 15.2 22.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 43.551 ng

RT: 7.59 min Scan# 935

Delta R.T. -0.00 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

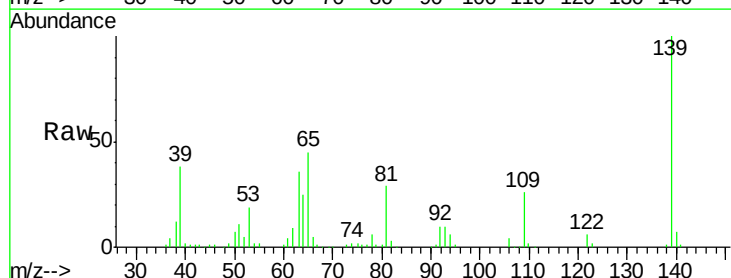
Tgt Ion: 139 Resp: 185946

Ion Ratio Lower Upper

139 100

109 26.3 21.7 32.5

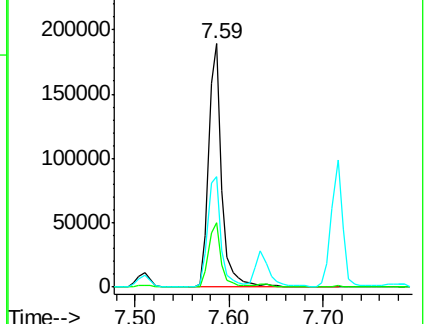
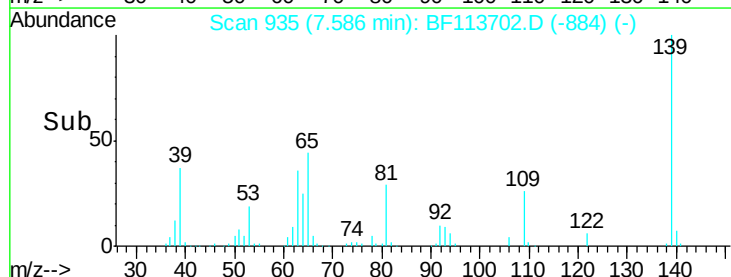
65 45.3 41.6 62.4

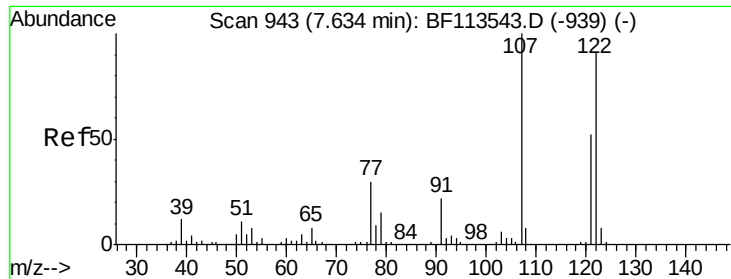


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 50.728 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampled :

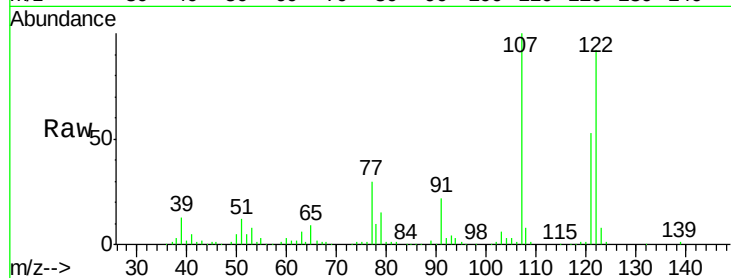
Tot Ion:122 Resp: 309639

Ion Ratio Lower Upper

122 100

107 109.3 88.8 133.2

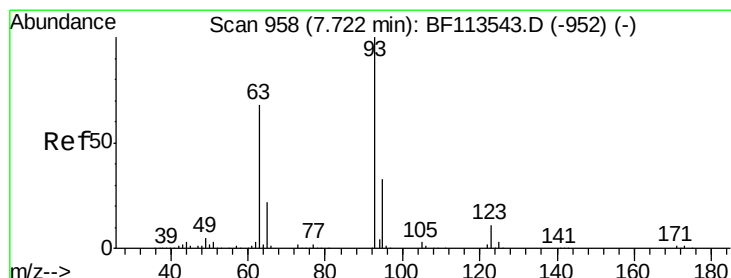
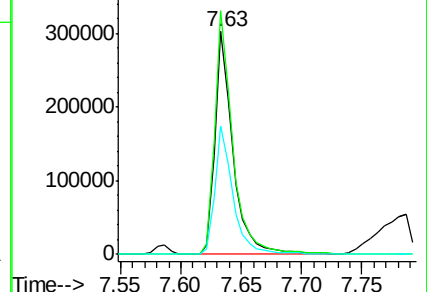
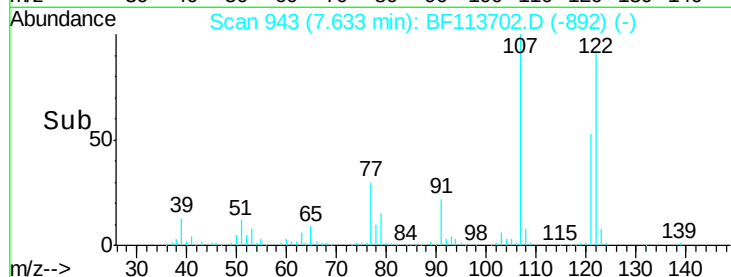
121 57.5 45.5 68.3



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: 43.648 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

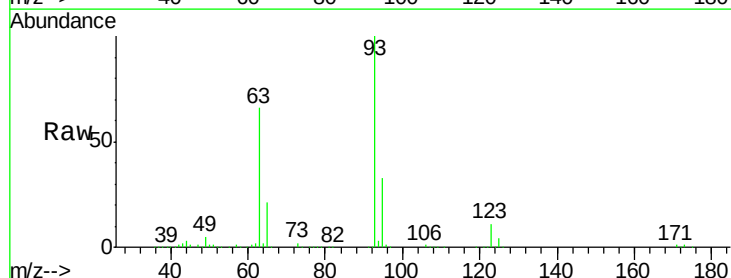
Tgt Ion: 93 Resp: 409494

Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

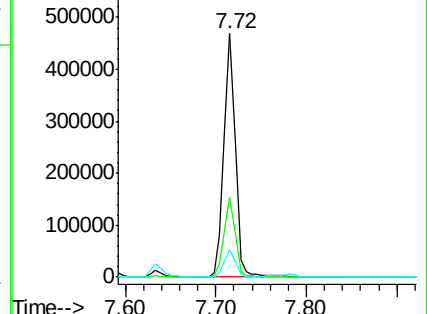
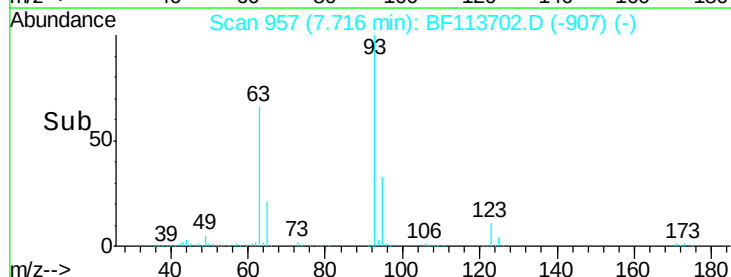
123 11.3 9.1 13.7

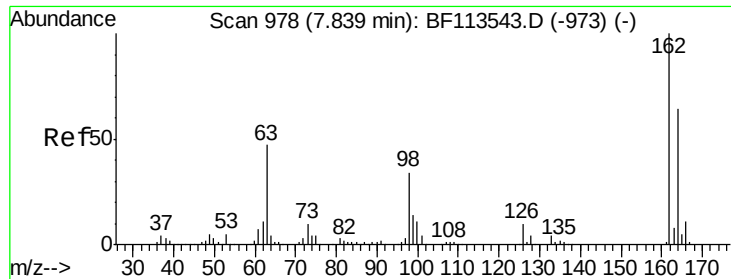


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

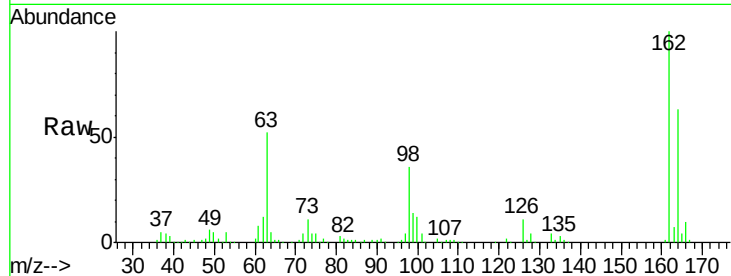




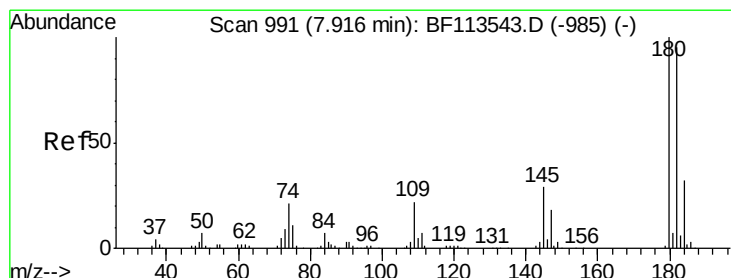
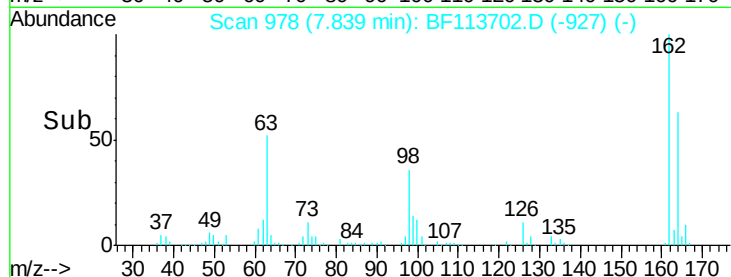
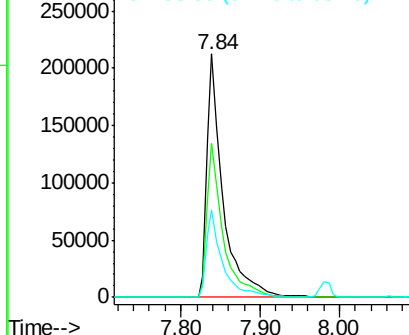
#29  
 2,4-Dichlorophenol  
 Concen: 46.305 ng  
 RT: 7.84 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.1  | 44.6  | 84.6  |
| 98      | 36.0  | 15.6  | 55.6  |

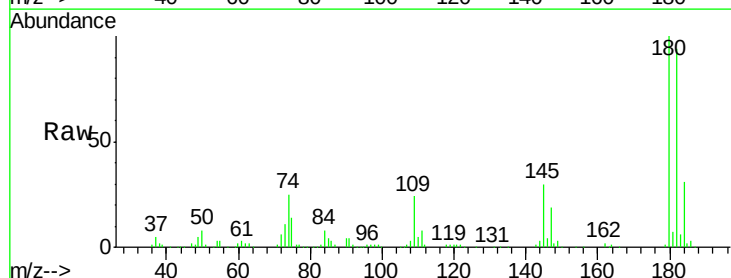


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

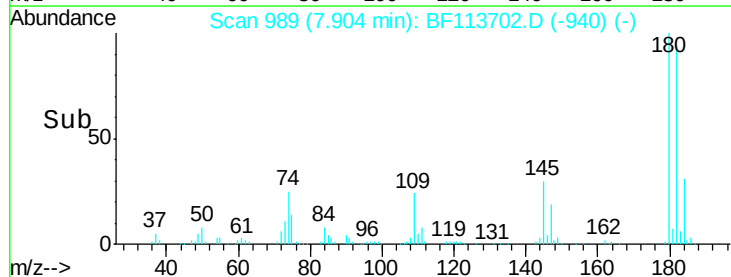
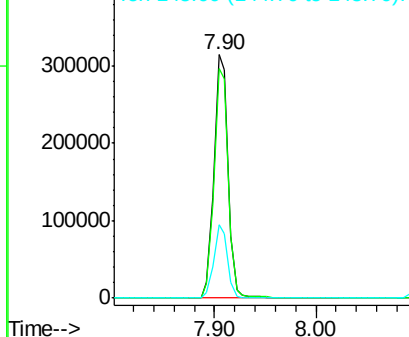


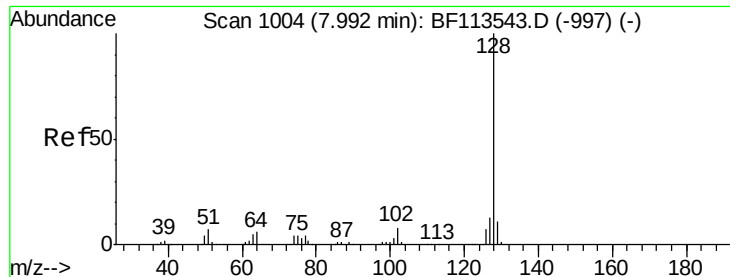
#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.154 ng  
 RT: 7.90 min Scan# 989  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.3  | 74.6  | 111.8 |
| 145     | 30.2  | 23.4  | 35.0  |



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

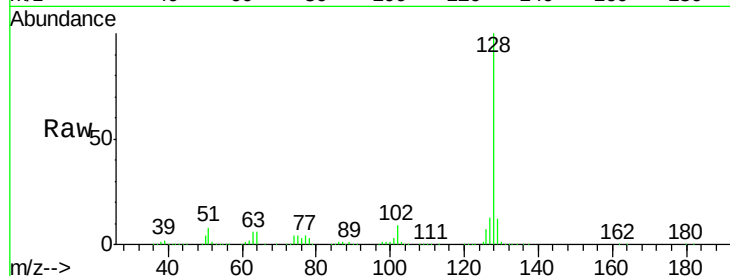




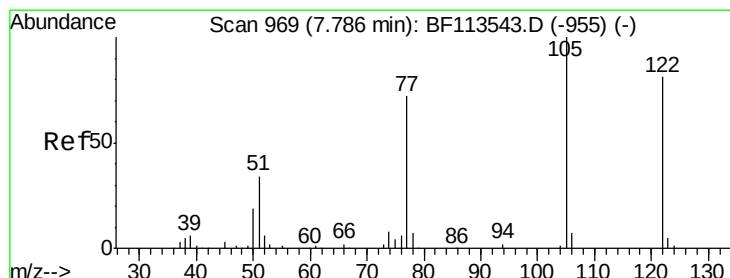
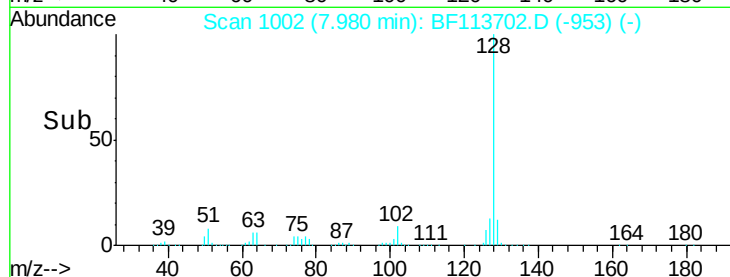
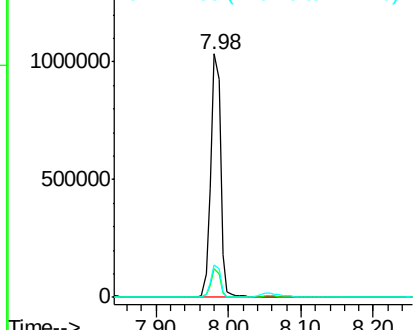
#31  
Naphthalene  
Concen: 45.227 ng  
RT: 7.98 min Scan# 1002  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:128 Resp: 988794  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.3 13.9  
127 13.5 10.9 16.3

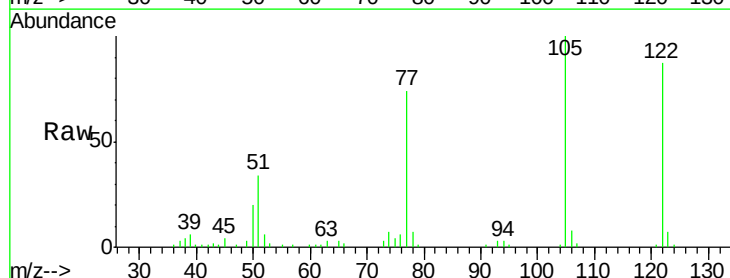


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

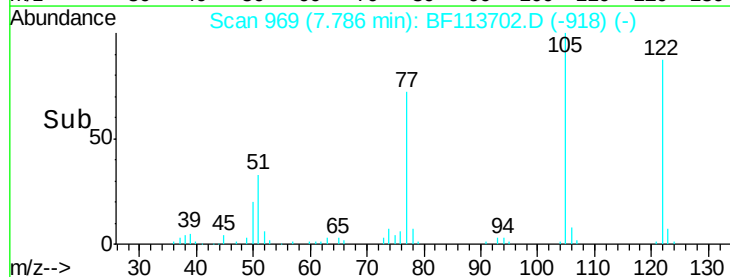
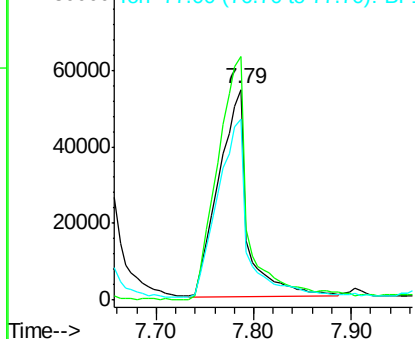


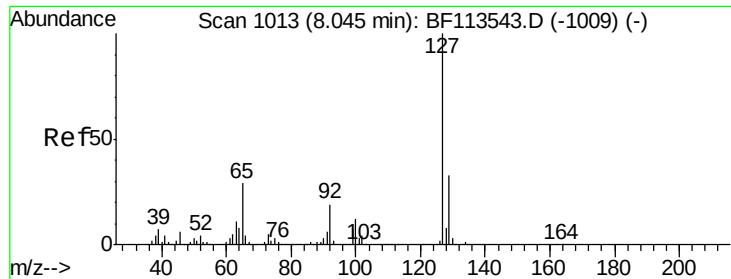
#32  
Benzoic acid  
Concen: 23.750 ng  
RT: 7.79 min Scan# 969  
Delta R.T. -0.00 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Tgt Ion:122 Resp: 112254  
Ion Ratio Lower Upper  
122 100  
105 115.6 100.4 140.4  
77 85.9 69.0 109.0



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

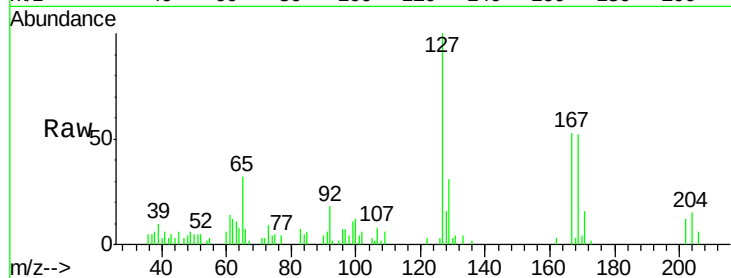




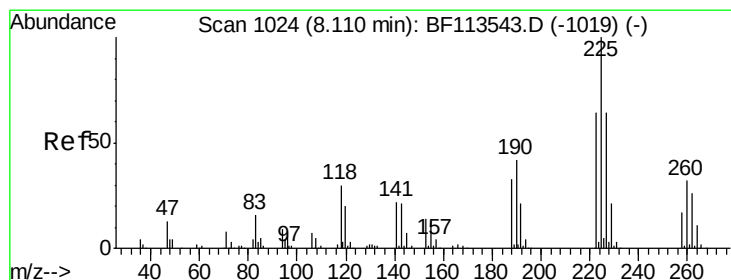
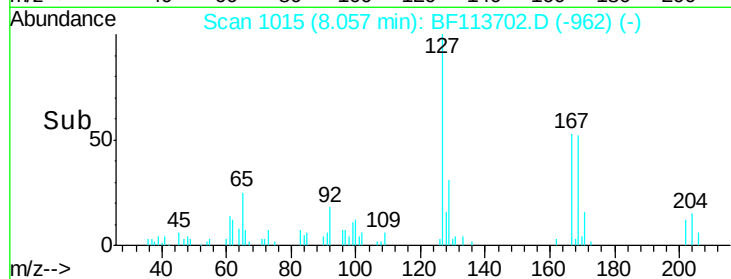
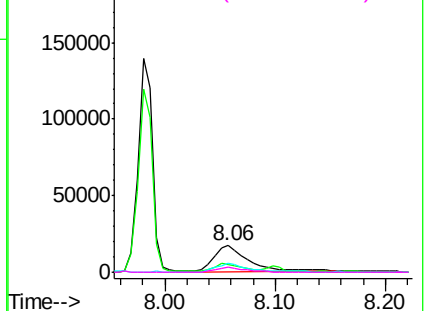
#33  
 4-Chloroaniline  
 Concen: 4.262 ng  
 RT: 8.06 min Scan# 1015  
 Delta R.T. 0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 36944 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.1  | 26.3  | 39.5  |
| 65       | 32.2  | 24.2  | 36.4  |
| 92       | 18.4  | 15.0  | 22.6  |

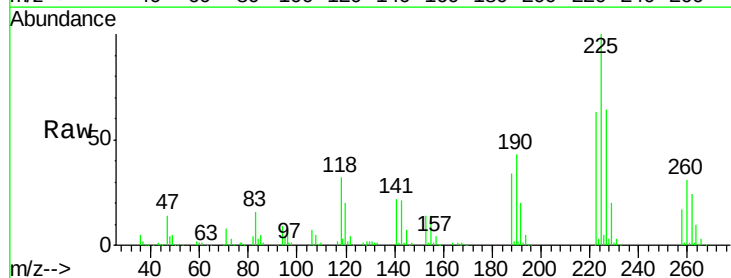


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1

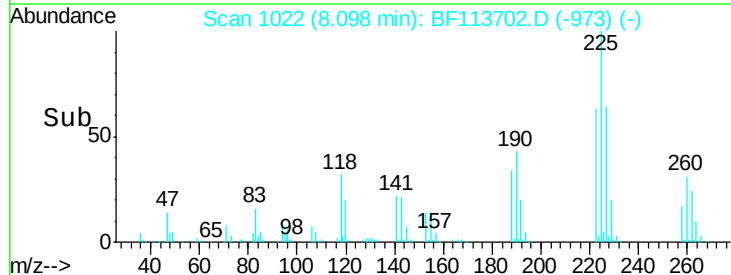
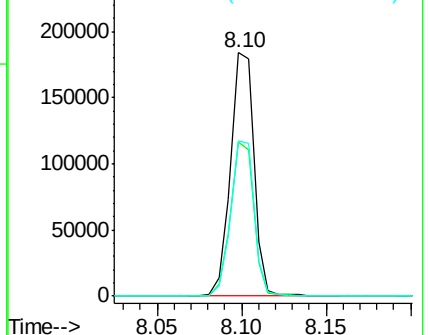


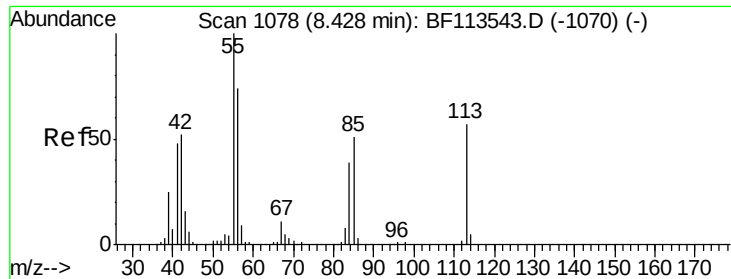
#34  
 Hexachlorobutadiene  
 Concen: 40.844 ng  
 RT: 8.10 min Scan# 1022  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 176605 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.3  | 51.4  | 77.2   |
| 227      | 63.5  | 51.1  | 76.7   |



Abundance Ion 225.00 (224.70 to 225.70): E  
 Ion 223.00 (222.70 to 223.70): E  
 Ion 227.00 (226.70 to 227.70): E

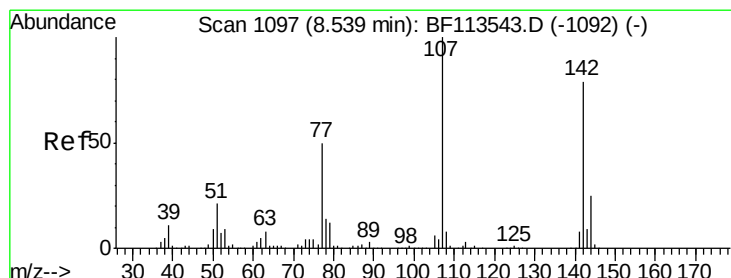
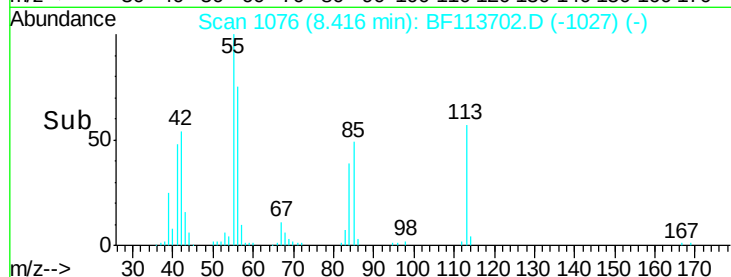
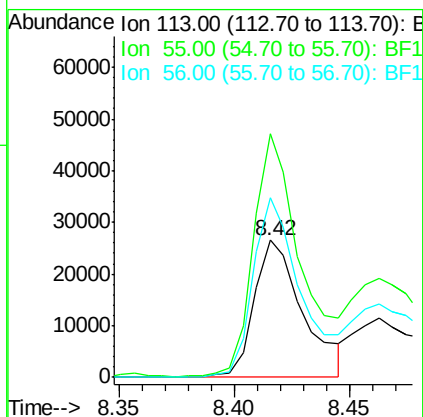
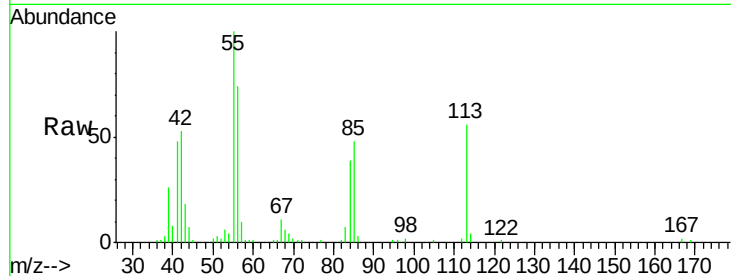




#35  
Caprolactam  
Concen: 18.885 ng  
RT: 8.42 min Scan# 1076  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

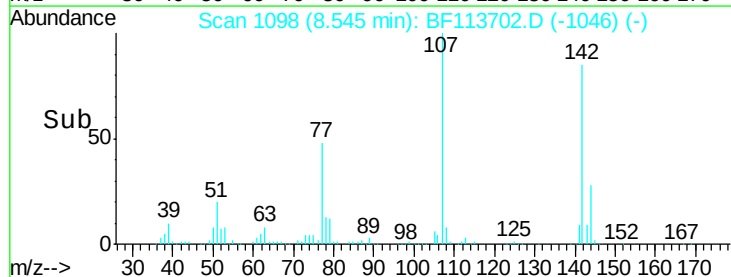
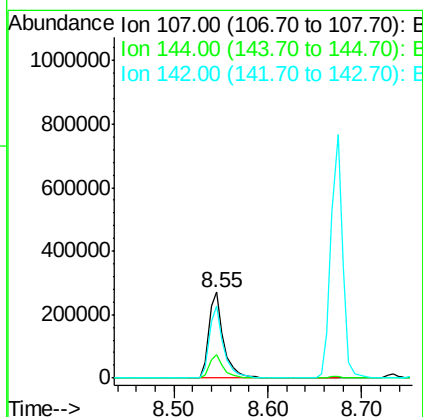
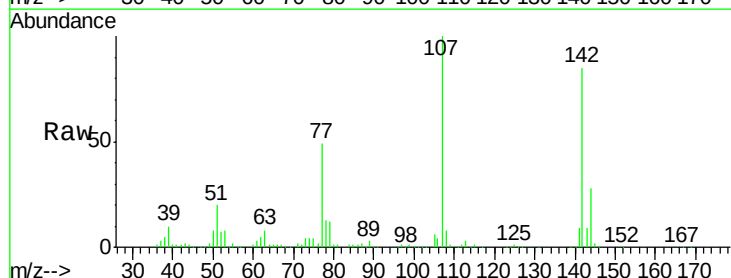
Instrument :  
BNA\_F  
ClientSampleId :

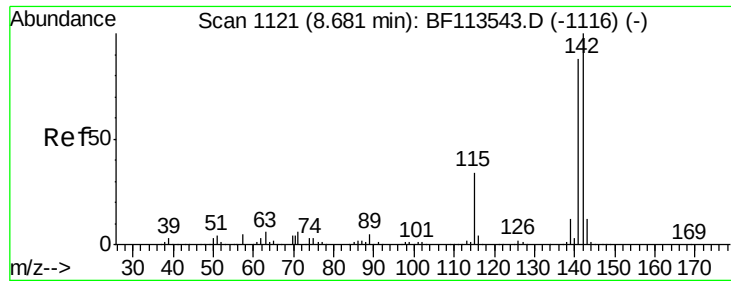
Tot Ion:113 Resp: 39151  
Ion Ratio Lower Upper  
113 100  
55 178.0 152.7 192.7  
56 131.7 108.3 148.3



#36  
4-Chloro-3-methylphenol  
Concen: 45.030 ng  
RT: 8.55 min Scan# 1098  
Delta R.T. 0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Tgt Ion:107 Resp: 295215  
Ion Ratio Lower Upper  
107 100  
144 27.6 21.4 32.0  
142 84.7 65.6 98.4

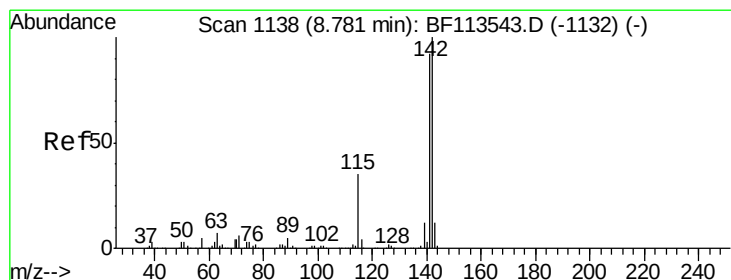
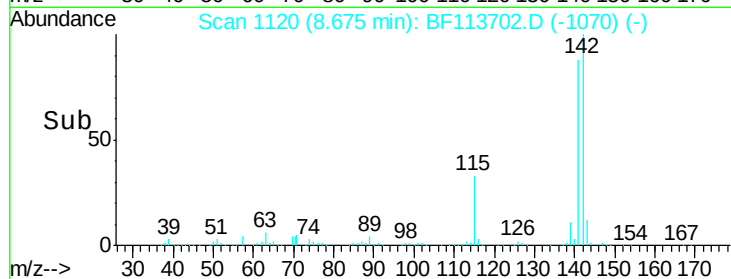
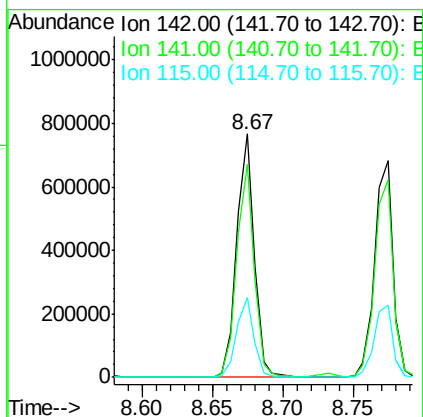
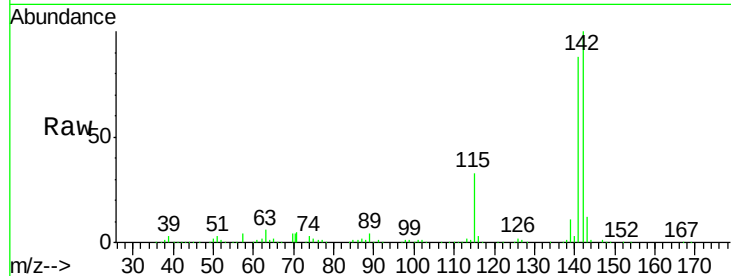




#37  
2-Methylnaphthalene  
Concen: 46.136 ng  
RT: 8.67 min Scan# 1120  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

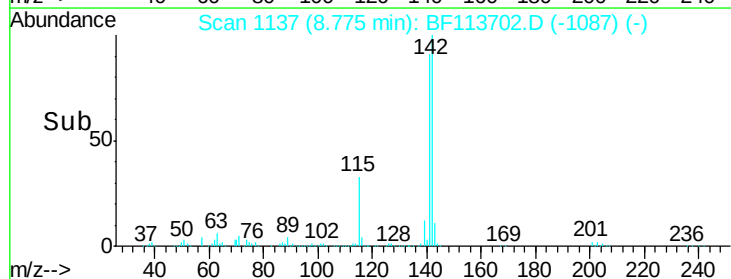
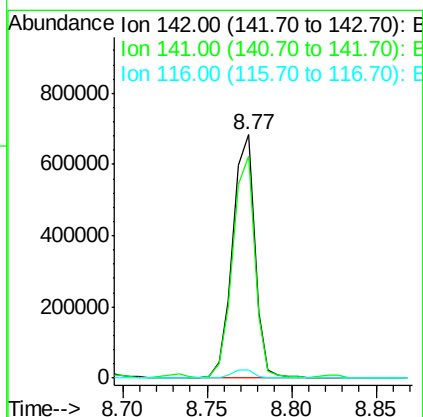
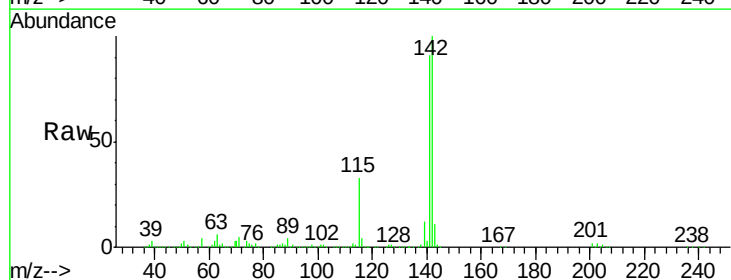
Instrument :  
BNA\_F  
ClientSampleId :

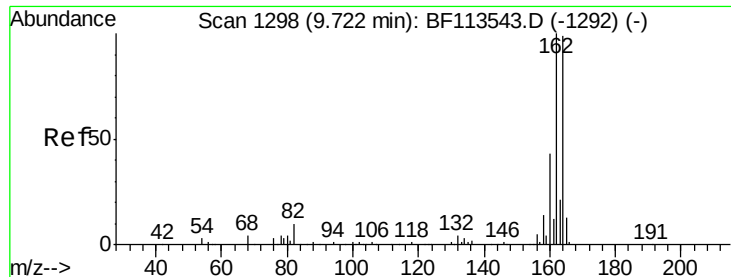
Tot Ion:142 Resp: 663390  
Ion Ratio Lower Upper  
142 100  
141 87.6 71.0 106.6  
115 32.7 26.6 39.8



#38  
1-Methylnaphthalene  
Concen: 44.702 ng  
RT: 8.77 min Scan# 1137  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Tgt Ion:142 Resp: 619804  
Ion Ratio Lower Upper  
142 100  
141 91.2 73.2 109.8  
116 3.5 3.0 4.4

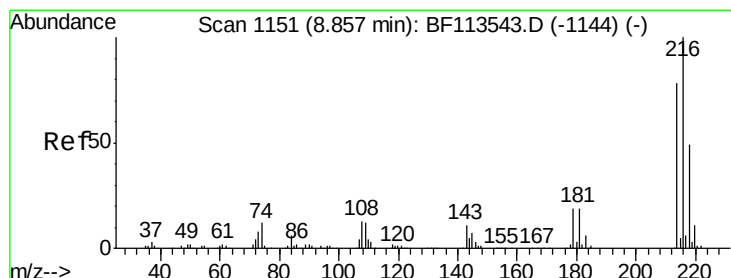
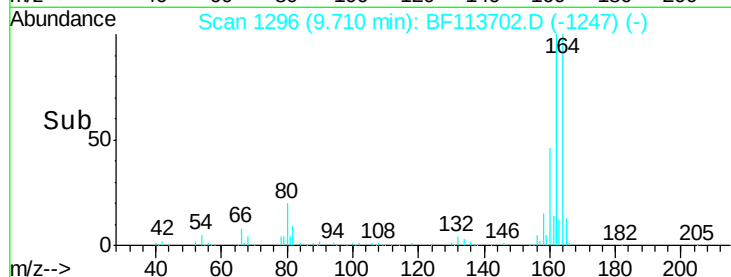
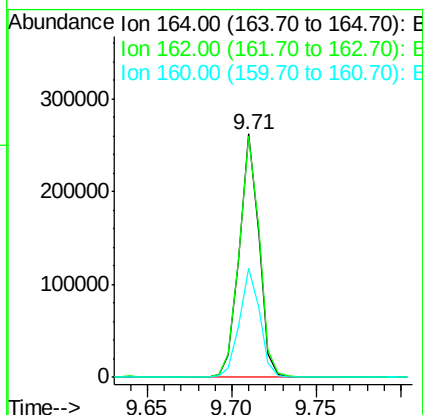
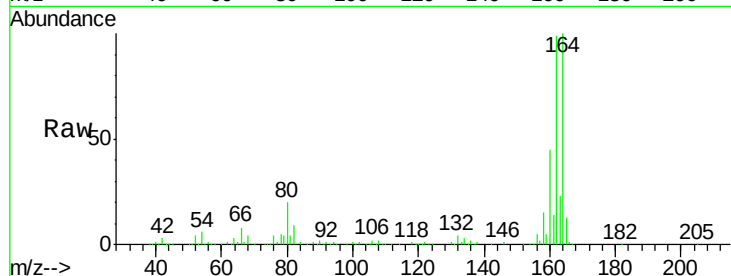




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.71 min Scan# 1296  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

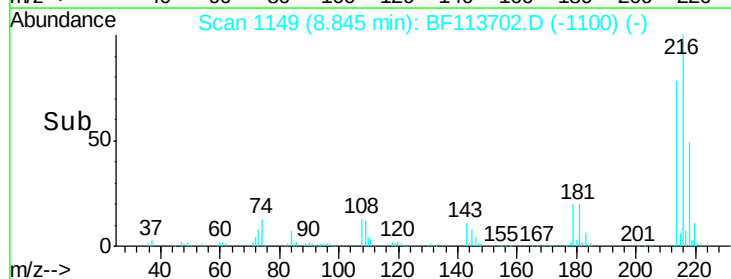
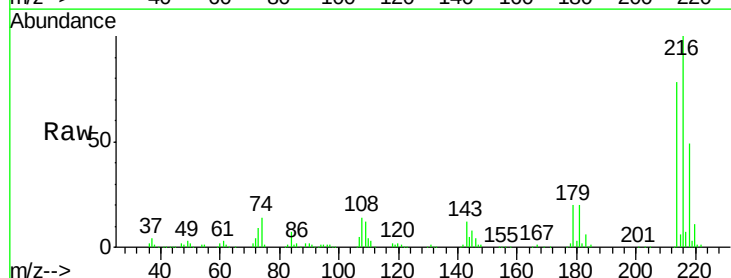
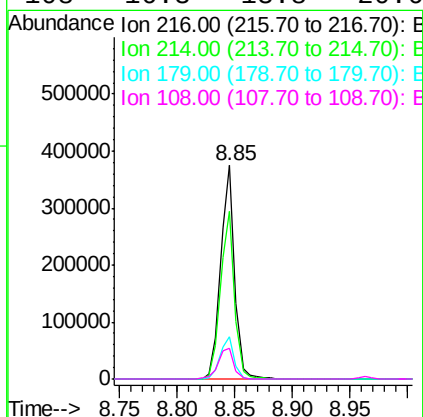
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 211782  
 Ion Ratio Lower Upper  
 164 100  
 162 99.2 81.8 122.6  
 160 45.1 36.4 54.6

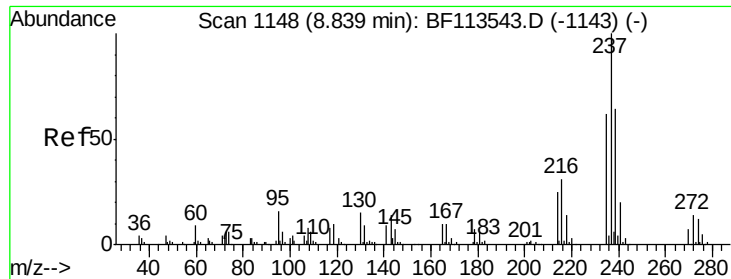


#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 45.925 ng  
 RT: 8.85 min Scan# 1149  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

Tgt Ion:216 Resp: 314550  
 Ion Ratio Lower Upper  
 216 100  
 214 79.0 63.0 94.6  
 179 20.0 16.8 25.2  
 108 16.3 13.8 20.6







#41

Hexachlorocyclopentadiene

Concen: 33.096 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

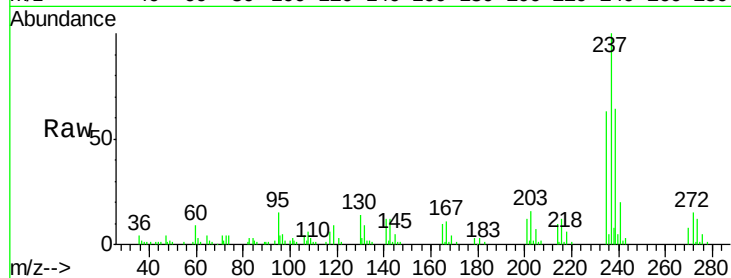
Tot Ion:237 Resp: 56771

Ion Ratio Lower Upper

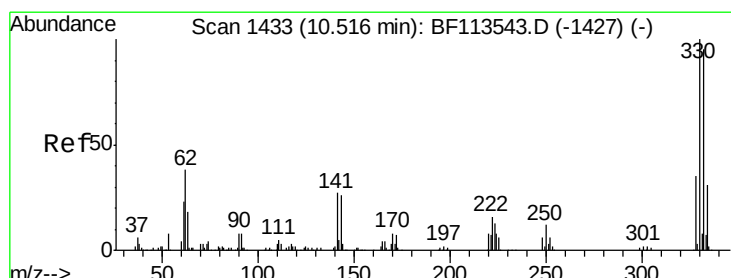
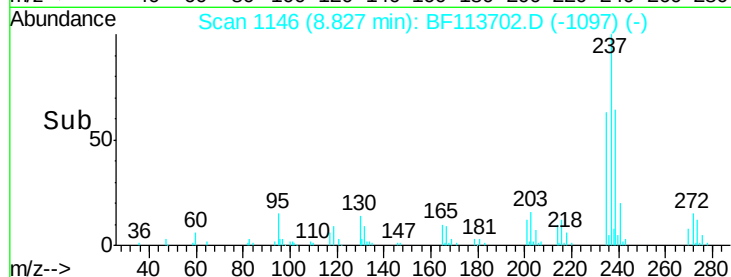
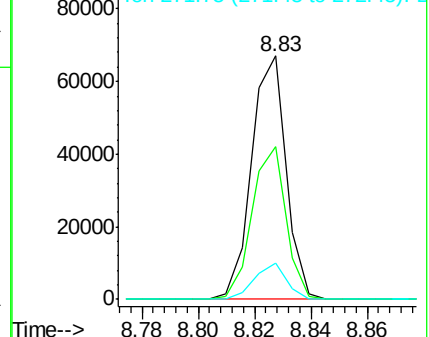
237 100

235 62.6 43.4 83.4

272 14.8 0.0 33.7



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



#42

2,4,6-Tribromophenol

Concen: 130.352 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

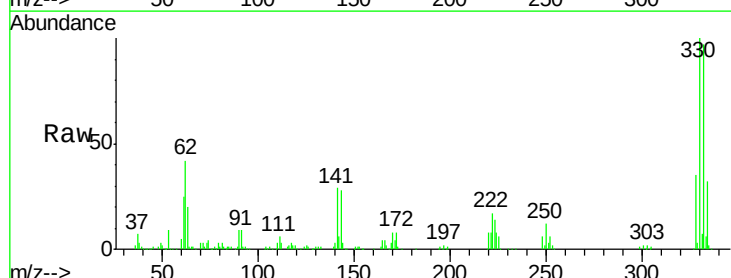
Tgt Ion:330 Resp: 331617

Ion Ratio Lower Upper

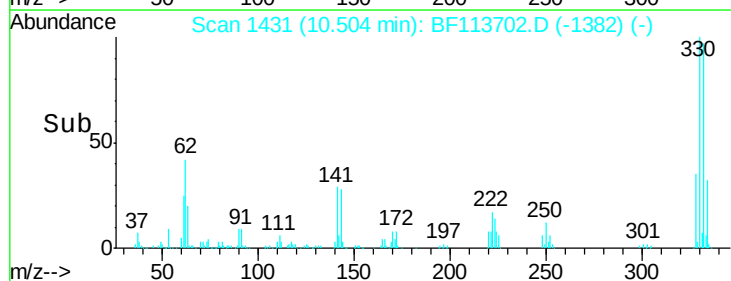
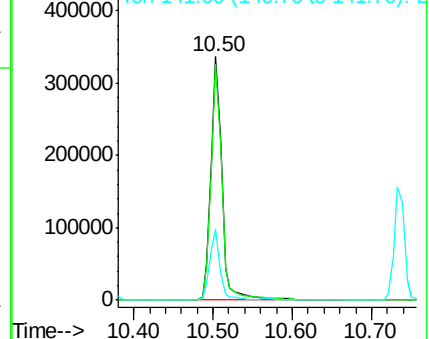
330 100

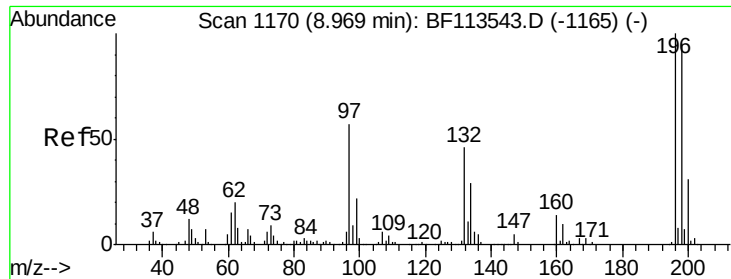
332 96.8 77.8 116.6

141 27.3 22.7 34.1



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

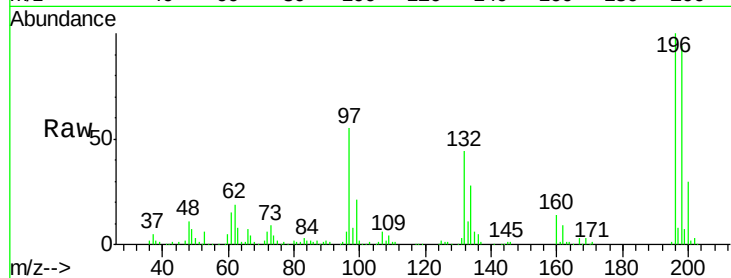




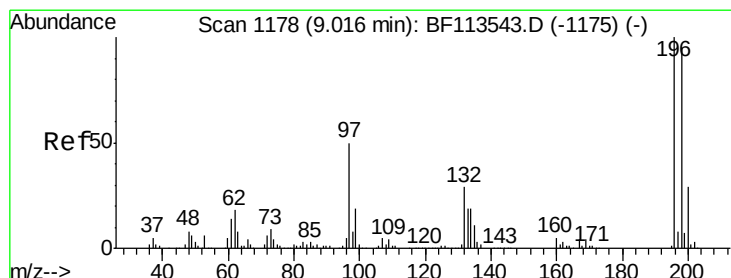
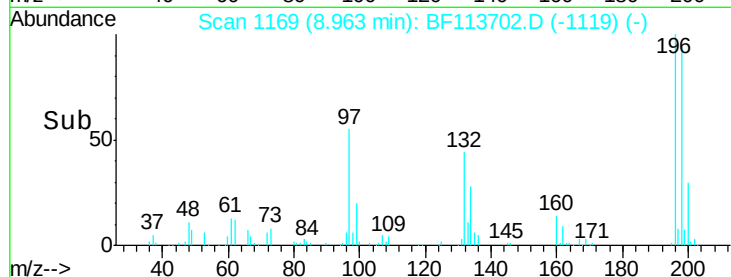
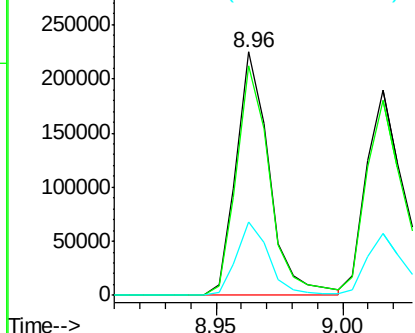
#43  
 2,4,6-Trichlorophenol  
 Concen: 47.353 ng  
 RT: 8.96 min Scan# 1169  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:196 Resp: 204725  
 Ion Ratio Lower Upper  
 196 100  
 198 94.4 77.7 116.5  
 200 30.1 24.9 37.3

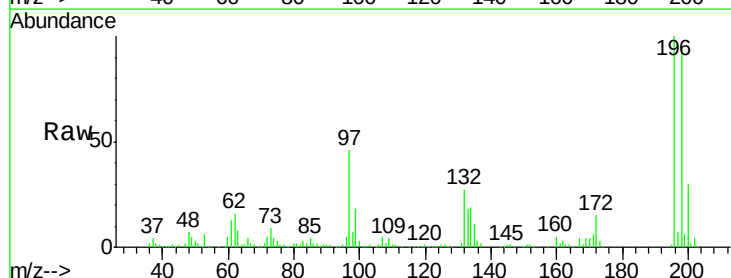


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

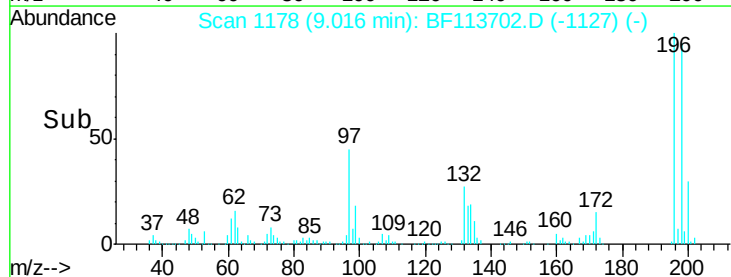
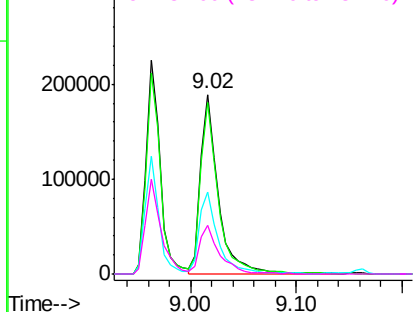


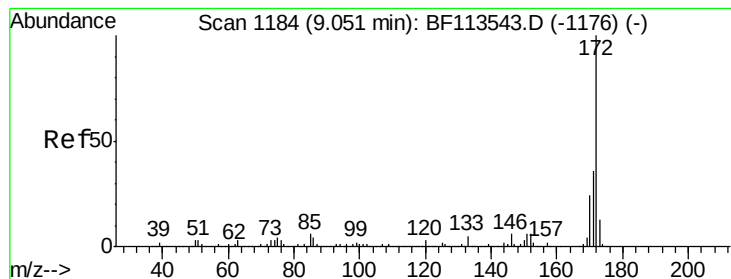
#44  
 2,4,5-Trichlorophenol  
 Concen: 46.956 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. -0.00 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

Tgt Ion:196 Resp: 217947  
 Ion Ratio Lower Upper  
 196 100  
 198 95.3 75.4 113.2  
 97 45.6 38.6 58.0  
 132 26.9 22.9 34.3



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





#45

2-Fluorobiphenyl

Concen: 97.526 ng

RT: 9.04 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

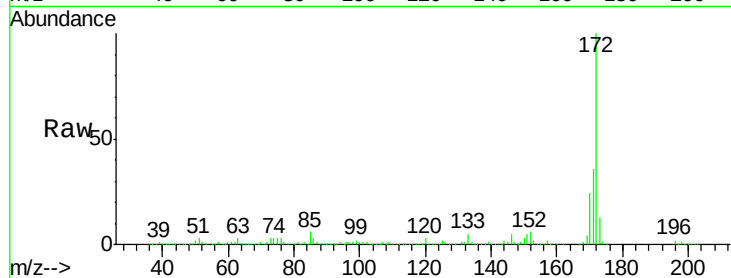
Tot Ion:172 Resp: 1282954

Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.6

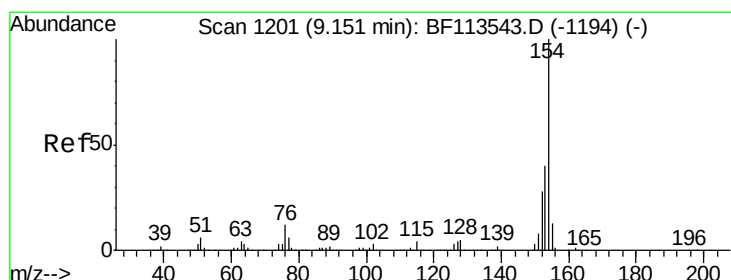
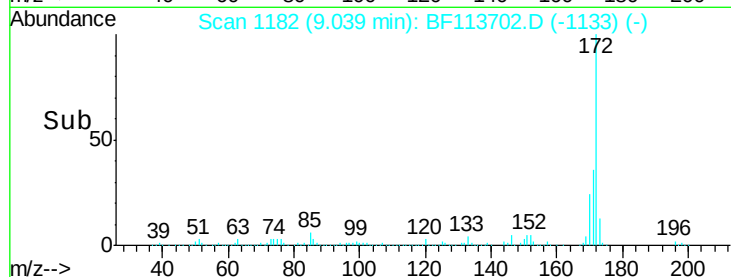
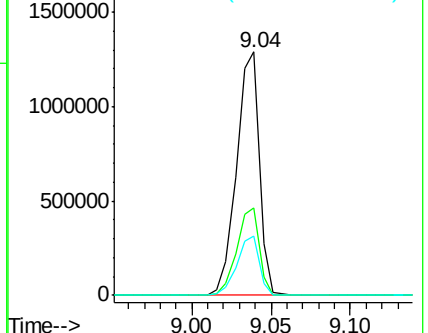
170 24.3 19.5 29.3



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: 46.383 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

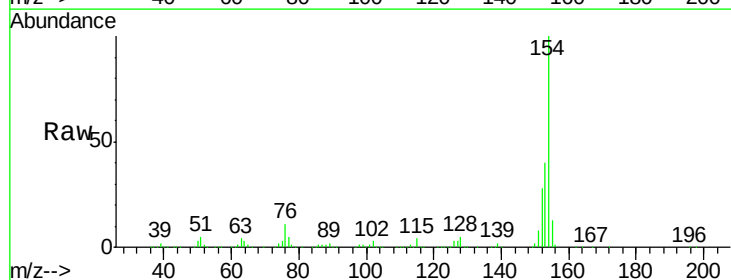
Tgt Ion:154 Resp: 810590

Ion Ratio Lower Upper

154 100

153 39.7 20.8 60.8

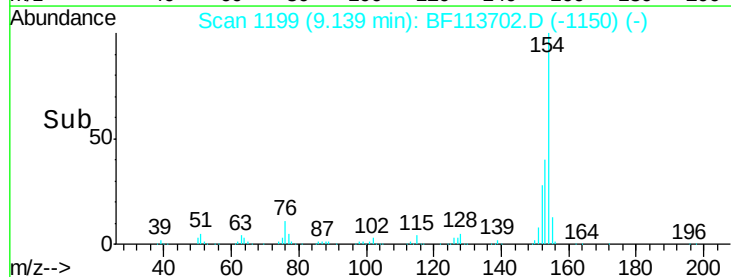
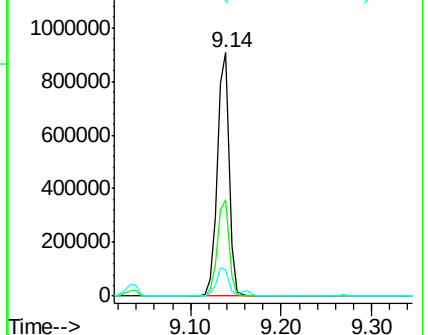
76 10.9 0.0 31.9

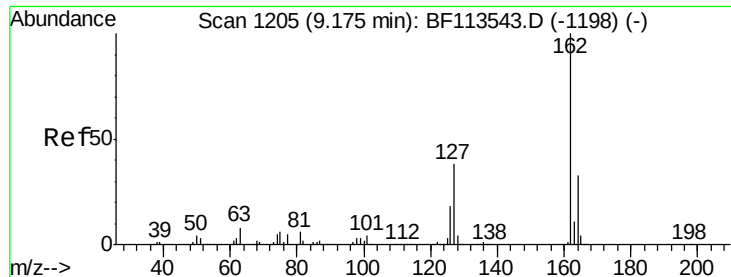


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

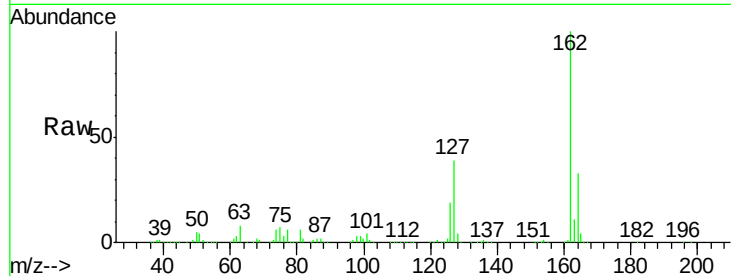




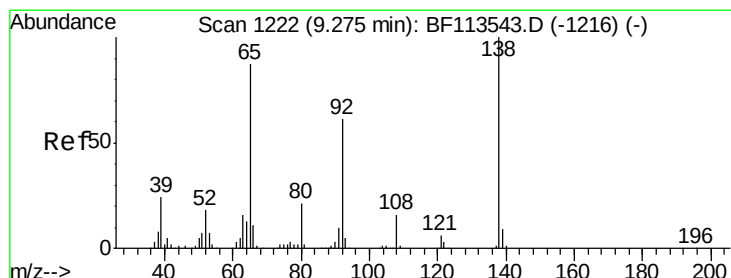
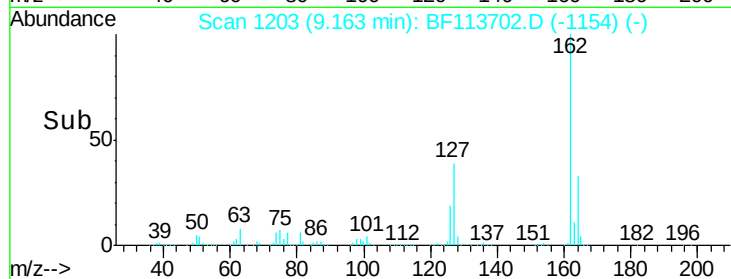
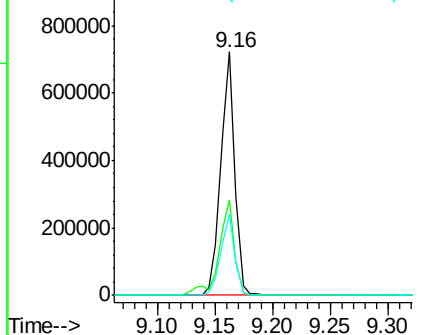
#47  
 2-Chloronaphthalene  
 Concen: 46.203 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.2  | 32.6  | 49.0  |
| 164     | 33.3  | 26.6  | 39.8  |

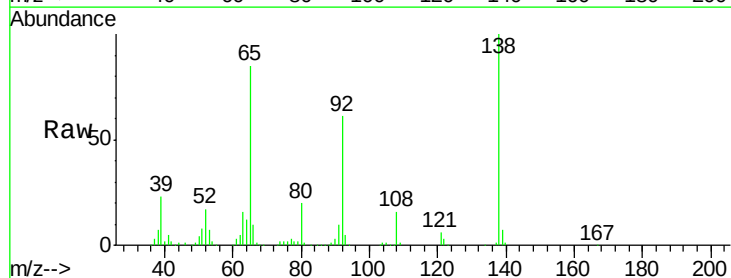


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

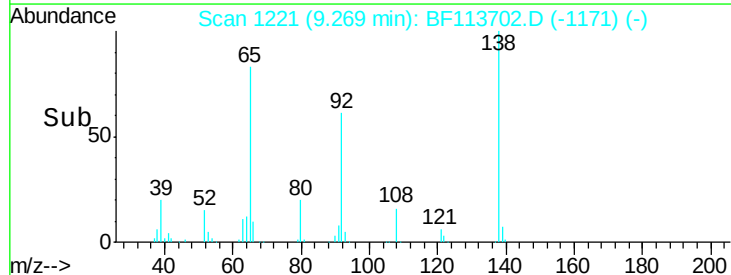
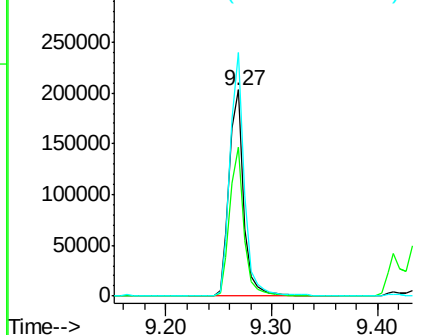


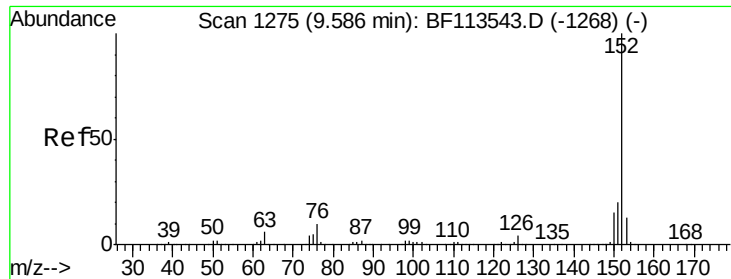
#48  
 2-Nitroaniline  
 Concen: 47.988 ng  
 RT: 9.27 min Scan# 1221  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 72.4  | 56.8  | 85.2  |
| 138     | 118.2 | 92.3  | 138.5 |



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: 45.014 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampled :

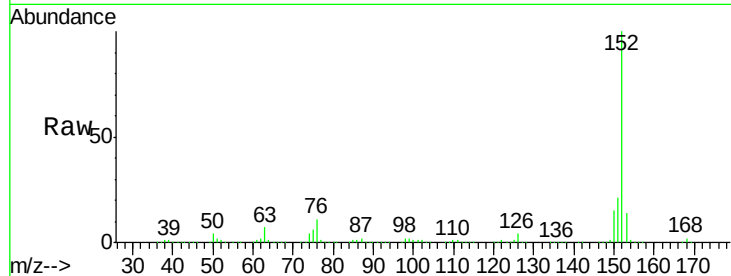
Tot Ion:152 Resp: 968531

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4

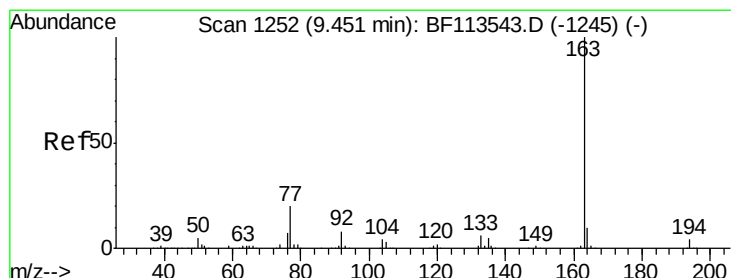
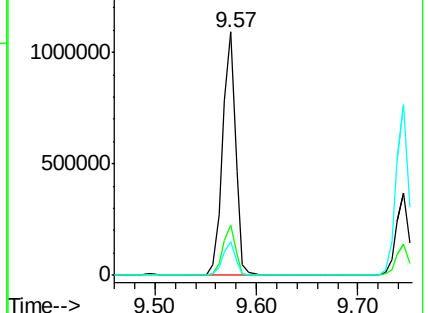
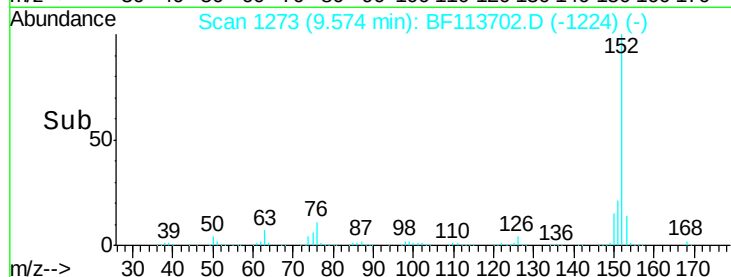
153 13.6 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 46.220 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

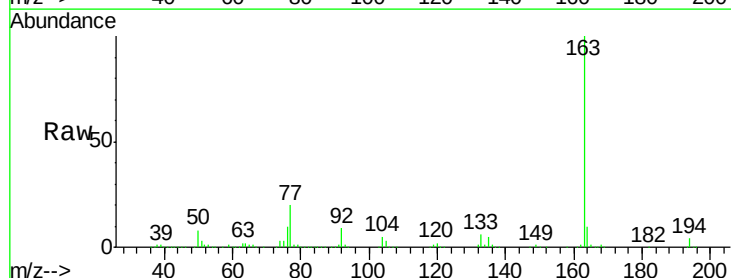
Tgt Ion:163 Resp: 721545

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

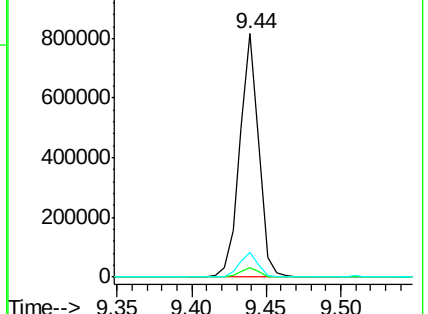
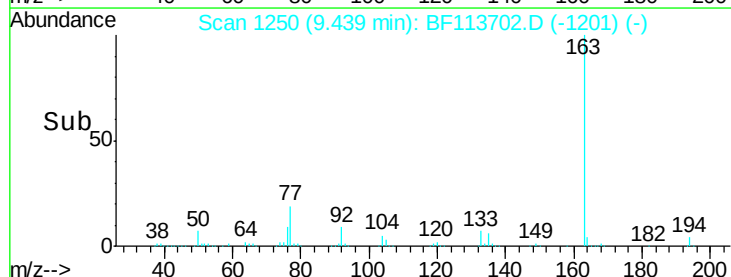
164 10.2 8.1 12.1

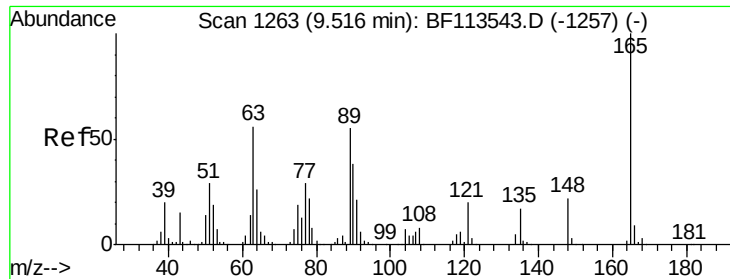


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

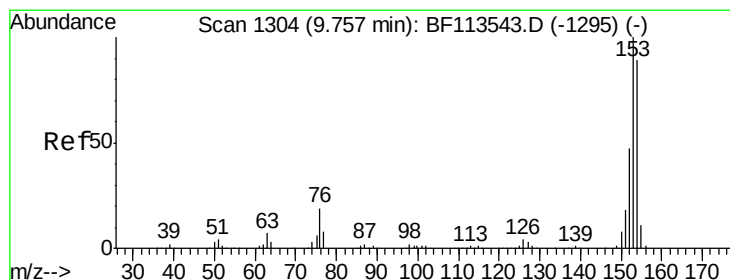
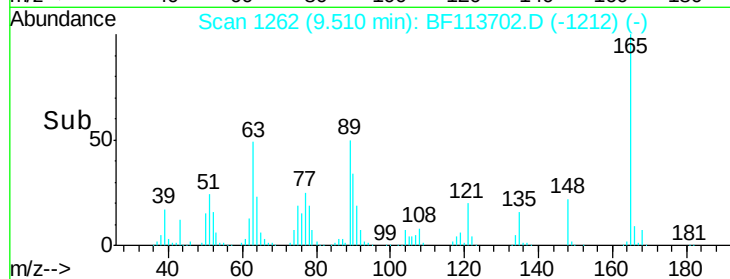
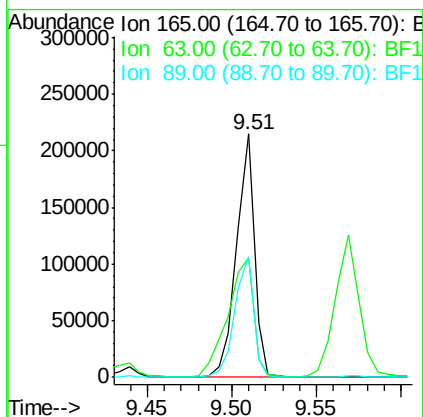
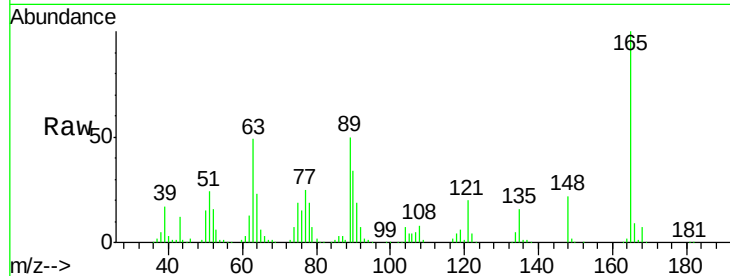




#51  
 2,6-Dinitrotoluene  
 Concen: 46.383 ng  
 RT: 9.51 min Scan# 1262  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

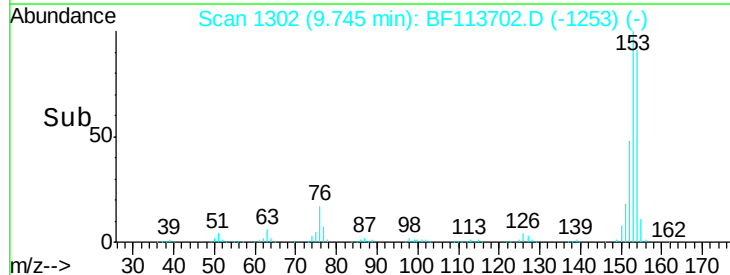
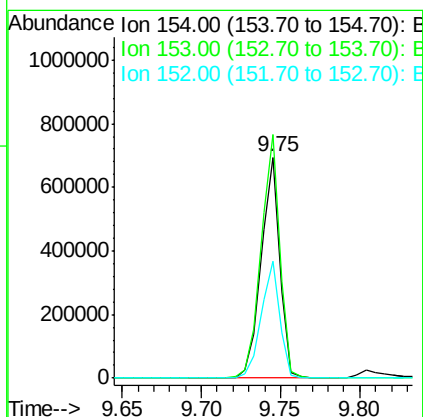
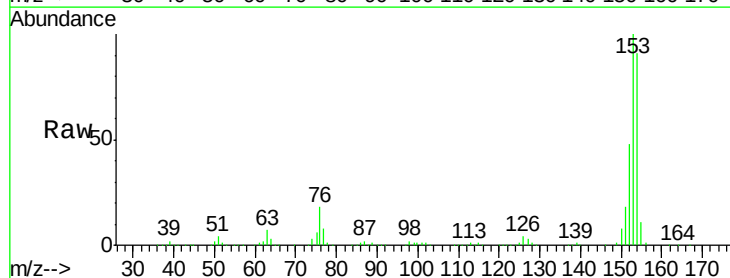
Instrument :  
 BNA\_F  
 ClientSampleId :

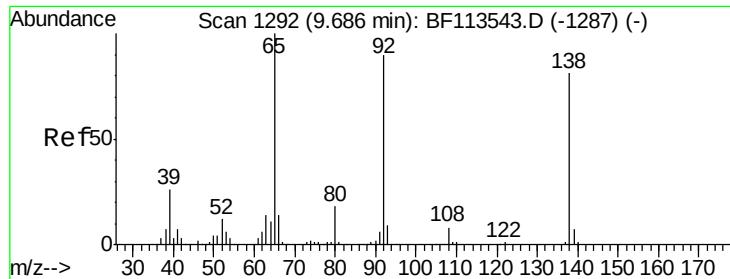
| Tot Ion | 165   | Resp  | 159610 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 165     | 100   |       |        |
| 63      | 49.1  | 43.4  | 65.0   |
| 89      | 49.8  | 43.1  | 64.7   |



#52  
 Acenaphthene  
 Concen: 46.636 ng  
 RT: 9.75 min Scan# 1302  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

| Tgt Ion | 154   | Resp  | 574387 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 154     | 100   |       |        |
| 153     | 110.4 | 89.5  | 134.3  |
| 152     | 53.0  | 43.3  | 64.9   |

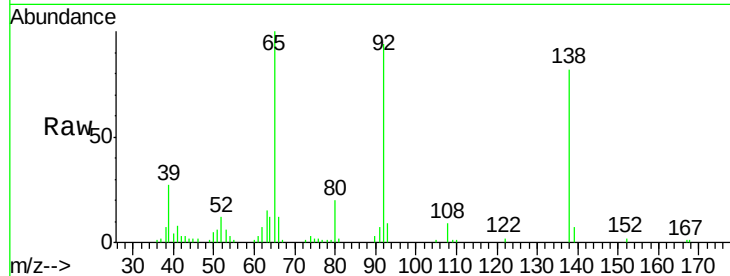




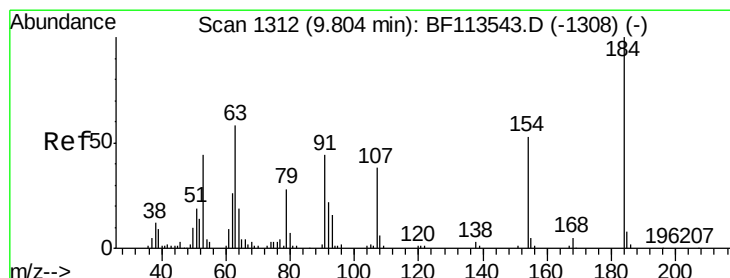
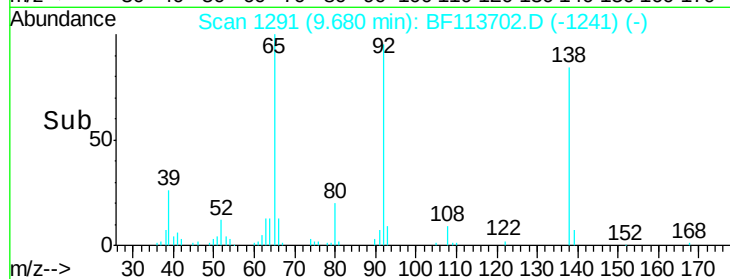
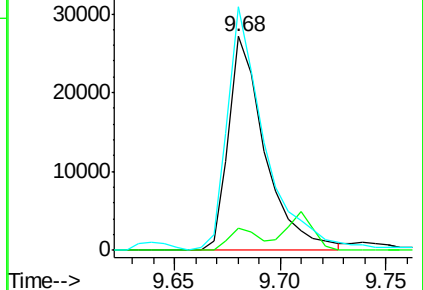
#53  
3-Nitroaniline  
Concen: 8.312 ng  
RT: 9.68 min Scan# 1291  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 32520  
Ion Ratio Lower Upper  
138 100  
108 10.4 7.8 11.6  
92 113.7 82.6 124.0

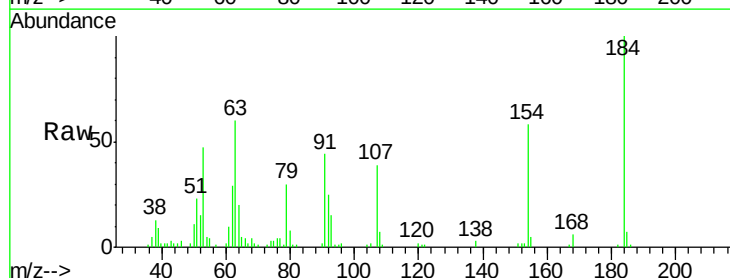


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

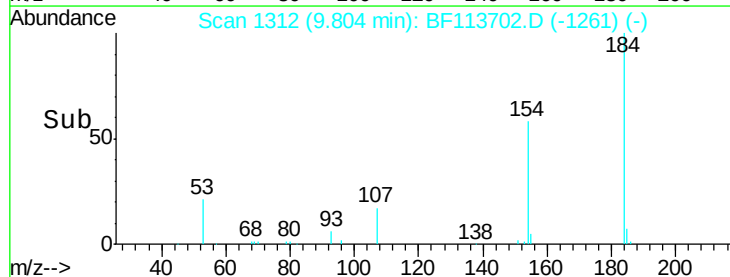
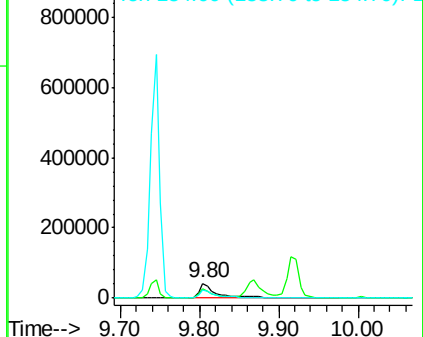


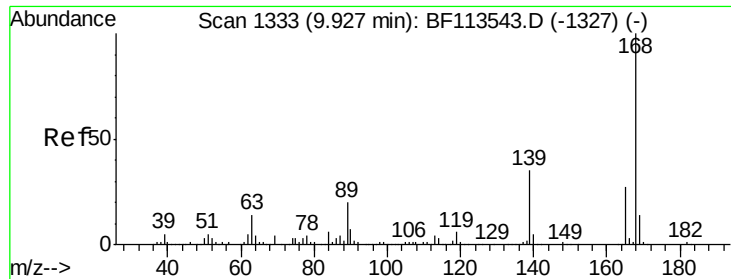
#54  
2,4-Dinitrophenol  
Concen: 39.661 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.00 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Tgt Ion:184 Resp: 63851  
Ion Ratio Lower Upper  
184 100  
63 59.7 54.3 81.5  
154 58.3 48.4 72.6



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

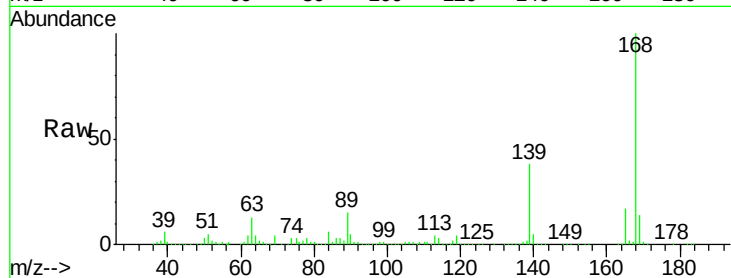




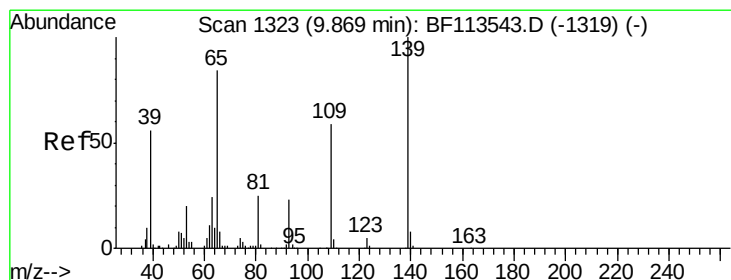
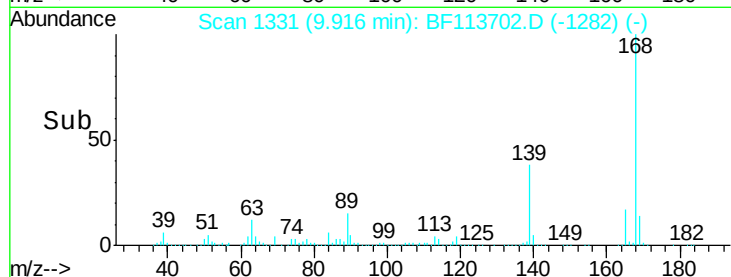
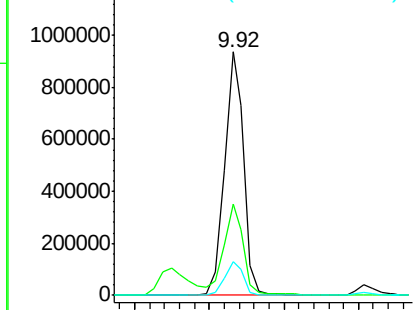
#55  
Dibenzofuran  
Concen: 46.845 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 846343  
Ion Ratio Lower Upper  
168 100  
139 37.6 29.7 44.5  
169 13.9 10.7 16.1

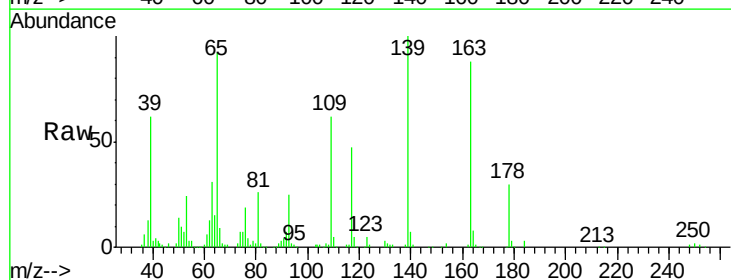


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

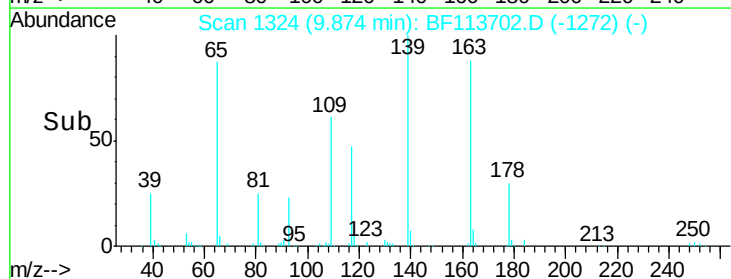
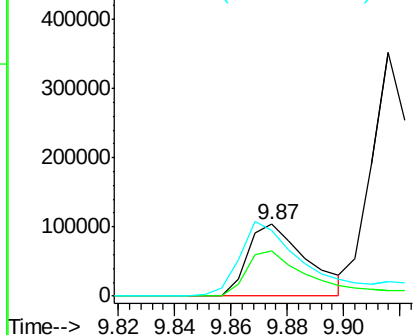


#56  
4-Nitrophenol  
Concen: 61.551 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. 0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

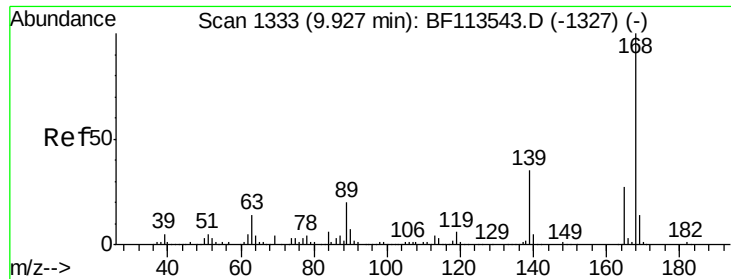
Tgt Ion:139 Resp: 149380  
Ion Ratio Lower Upper  
139 100  
109 62.5 46.9 86.9  
65 91.6 77.2 117.2



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



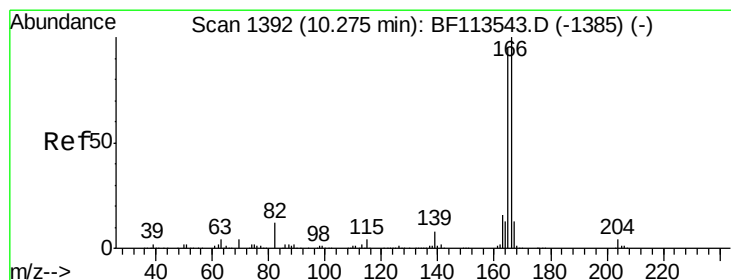
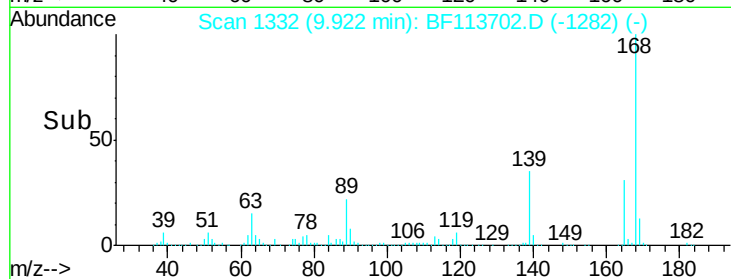
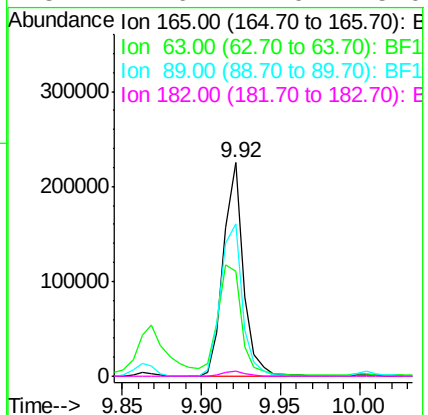
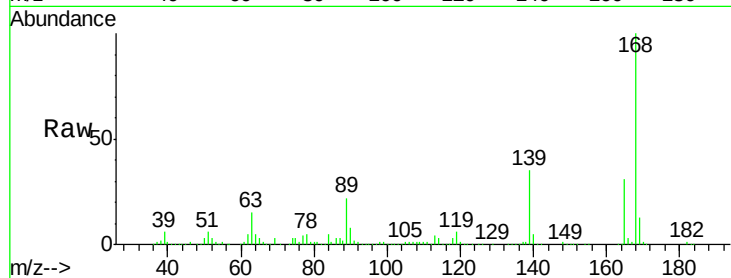




#57  
 2,4-Dinitrotoluene  
 Concen: 47.075 ng  
 RT: 9.92 min Scan# 1332  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

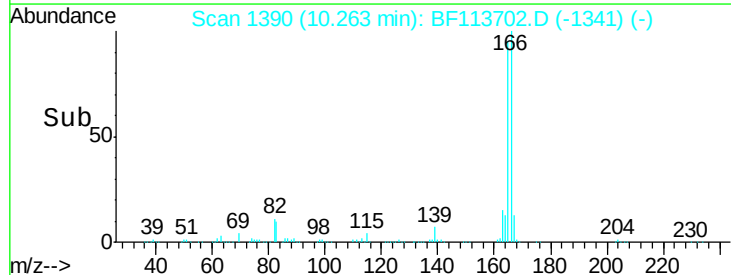
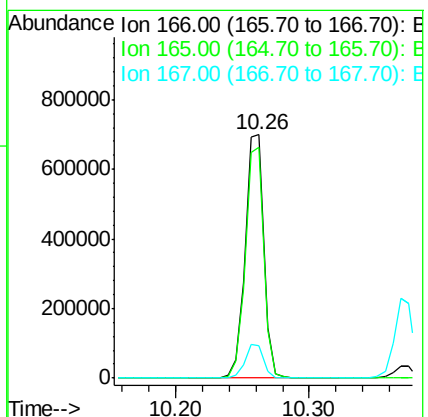
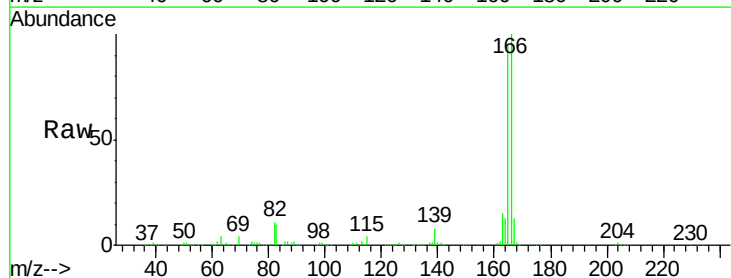
Instrument :  
 BNA\_F  
 ClientSampleId :

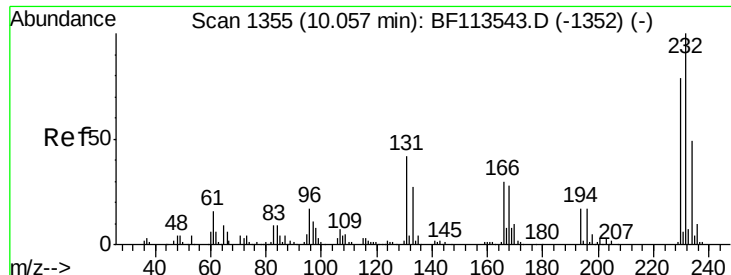
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 165   | Resp: | 195916 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 49.3  | 37.5  | 56.3   |
| 89       | 71.6  | 57.4  | 86.2   |
| 182      | 2.6   | 2.0   | 3.0    |



#58  
 Fluorene  
 Concen: 46.880 ng  
 RT: 10.26 min Scan# 1390  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 669902 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 94.8  | 76.2  | 114.2  |
| 167      | 13.2  | 10.7  | 16.1   |

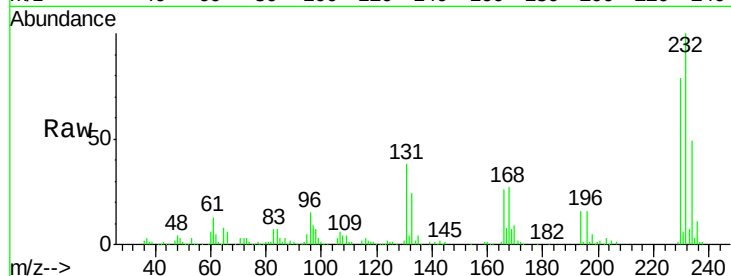




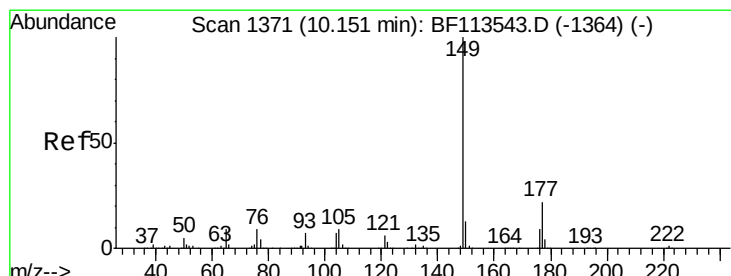
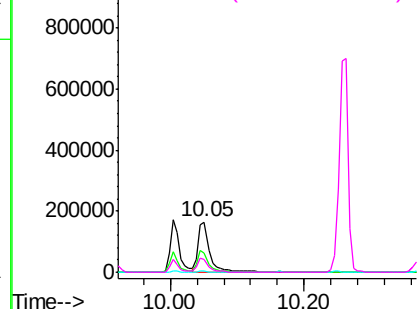
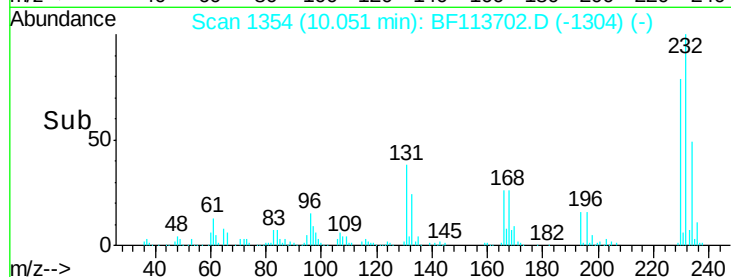
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 48.219 ng  
 RT: 10.05 min Scan# 1354  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

Instrument :  
 BNA\_F  
 ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 193731 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 38.6  | 33.2  | 49.8   |
| 130      | 1.9   | 1.6   | 2.4    |
| 166      | 26.1  | 21.0  | 31.6   |

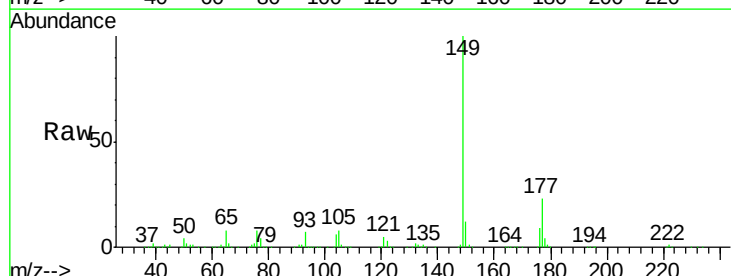


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

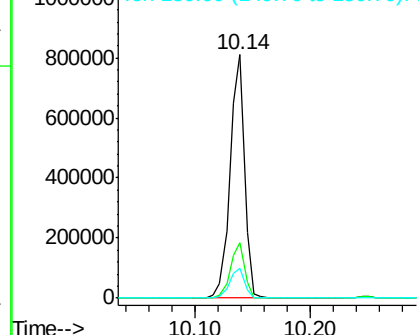
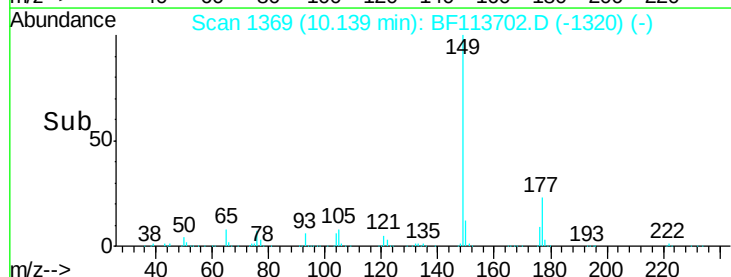


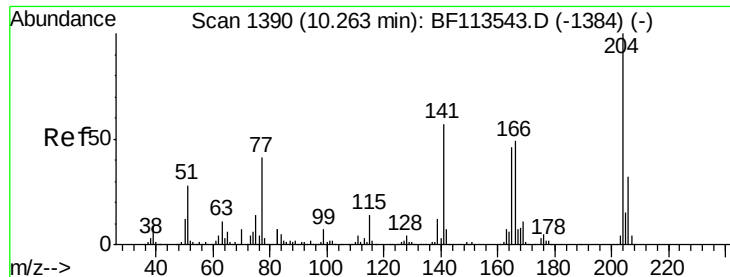
#60  
 Diethylphthalate  
 Concen: 46.617 ng  
 RT: 10.14 min Scan# 1369  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 701644 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 177      | 22.8  | 17.4  | 26.0   |
| 150      | 12.5  | 10.0  | 15.0   |



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

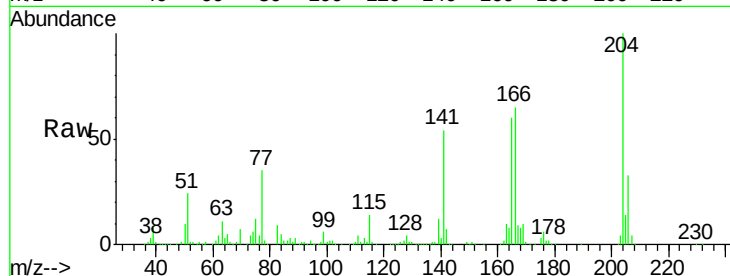




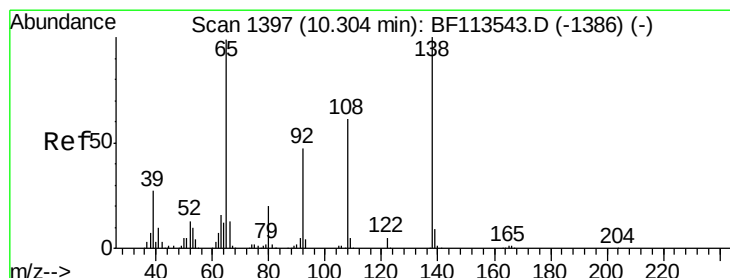
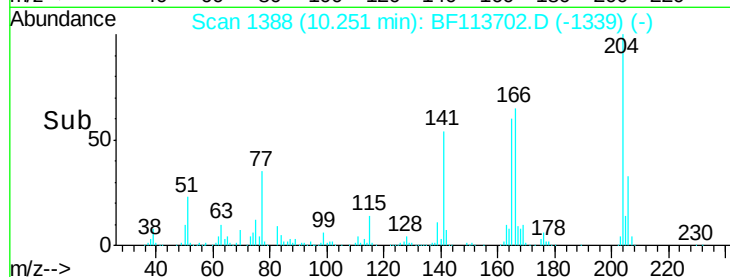
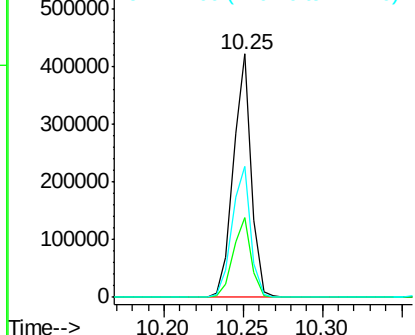
#61  
4-Chlorophenyl-phenylether  
Concen: 46.986 ng  
RT: 10.25 min Scan# 1388  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:204 Resp: 330243  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.9 40.3  
141 53.8 48.8 73.2

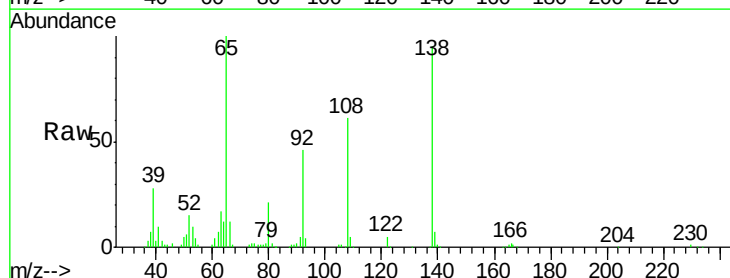


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

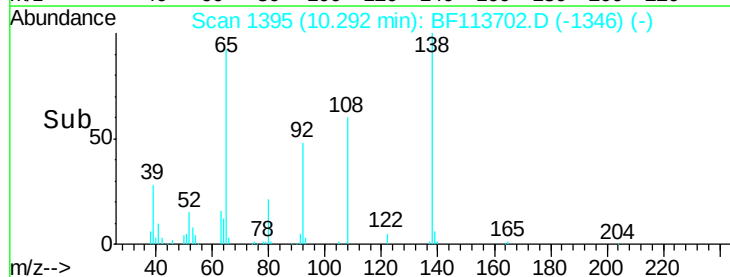
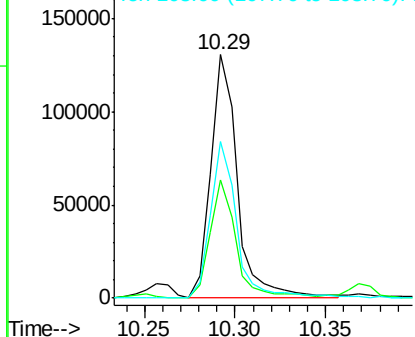


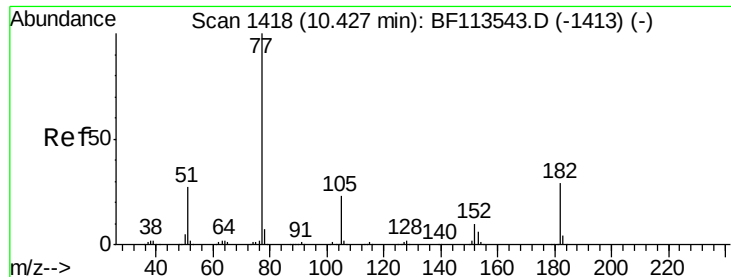
#62  
4-Nitroaniline  
Concen: 33.644 ng  
RT: 10.29 min Scan# 1395  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Tgt Ion:138 Resp: 133852  
Ion Ratio Lower Upper  
138 100  
92 48.6 25.8 65.8  
108 64.5 44.0 84.0



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: 44.949 ng

RT: 10.41 min Scan# 1415

Delta R.T. -0.02 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 640575

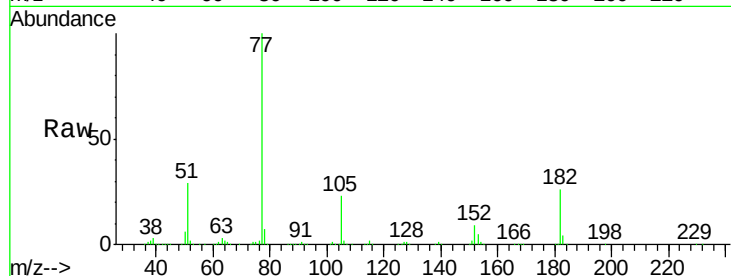
Ion Ratio Lower Upper

77 100

182 25.7 8.7 48.7

105 22.5 2.9 42.9

51 28.9 8.8 48.8

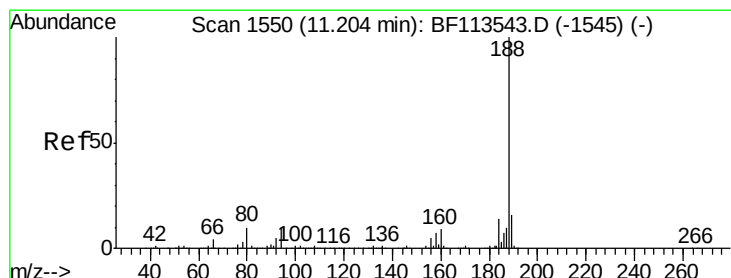
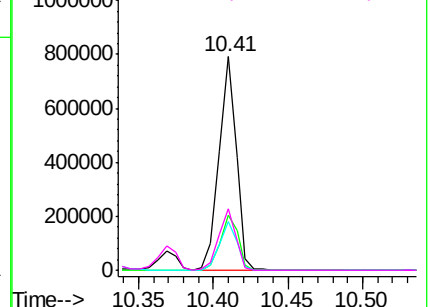
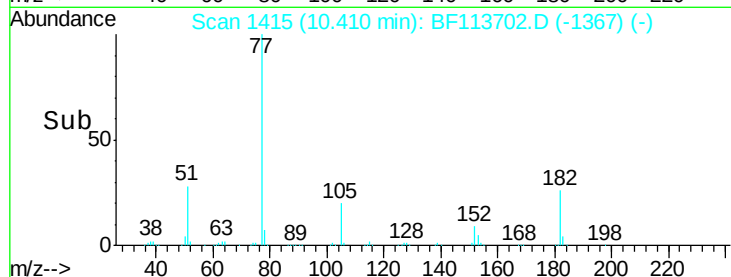


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

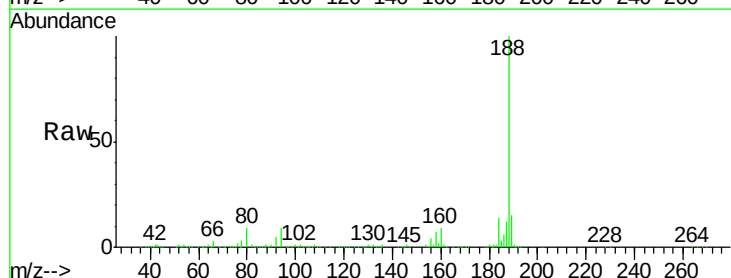
Tgt Ion: 188 Resp: 377691

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

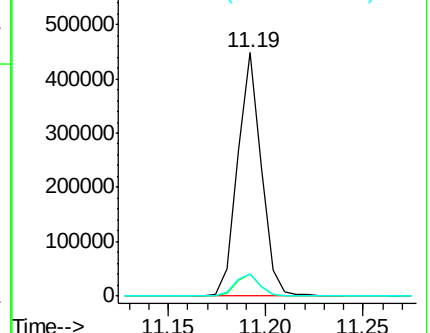
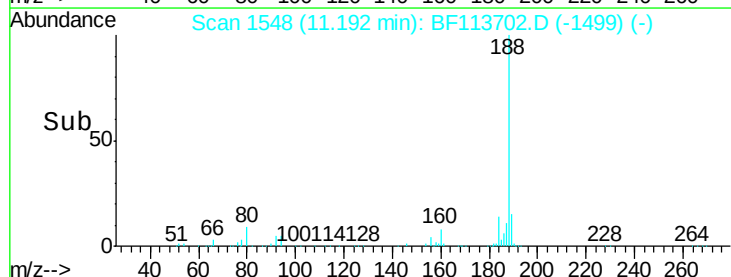
80 9.2 7.7 11.5

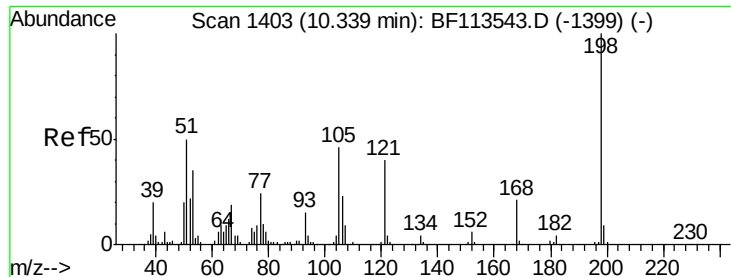


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 22.843 ng

RT: 10.33 min Scan# 1402

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

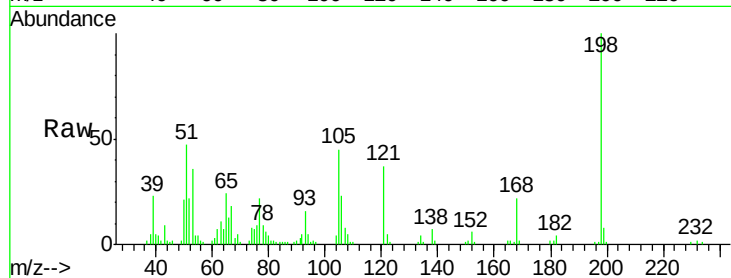
Tot Ion:198 Resp: 45421

Ion Ratio Lower Upper

198 100

51 46.6 21.6 61.6

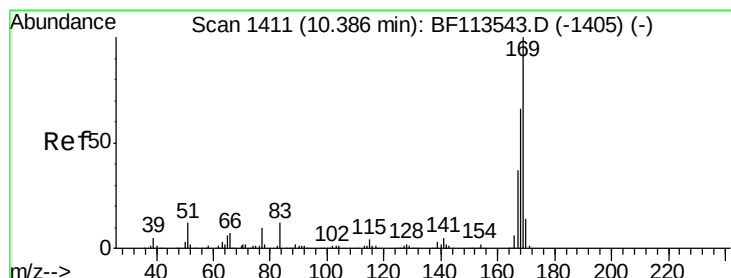
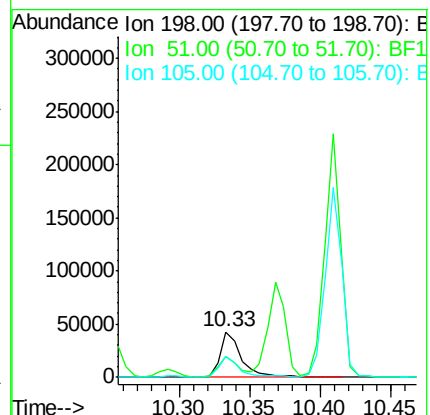
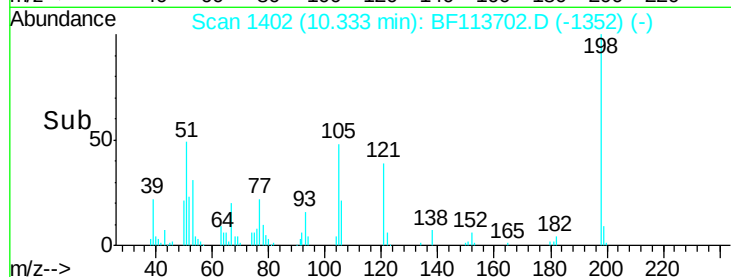
105 44.6 20.6 60.6



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: 52.727 ng

RT: 10.37 min Scan# 1408

Delta R.T. -0.02 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

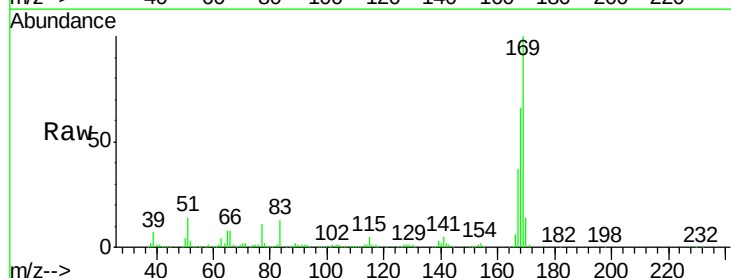
Tgt Ion:169 Resp: 611364

Ion Ratio Lower Upper

169 100

168 66.4 53.7 80.5

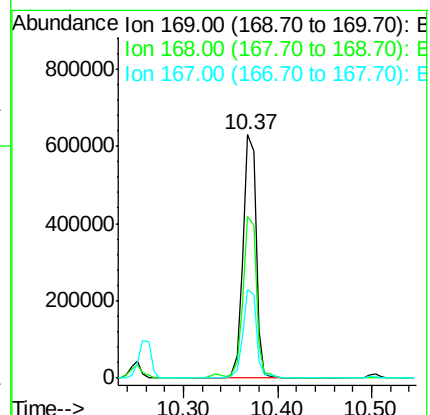
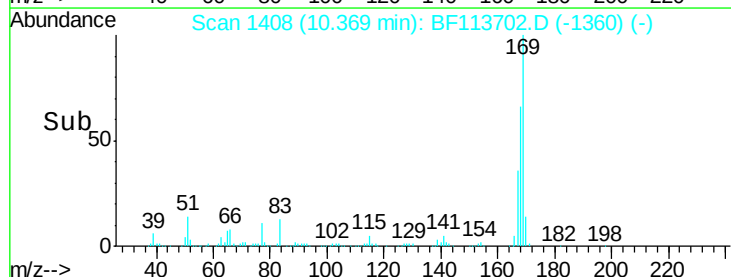
167 36.6 29.5 44.3

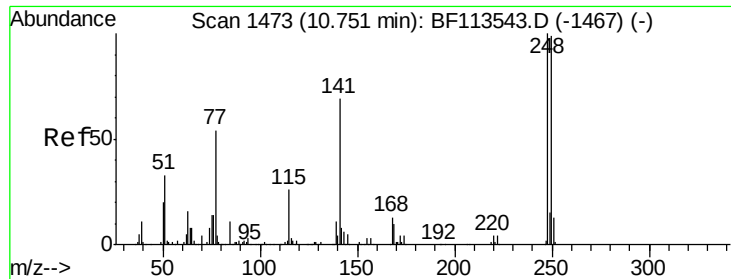


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

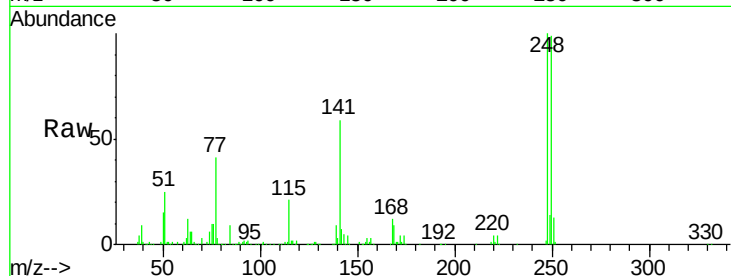




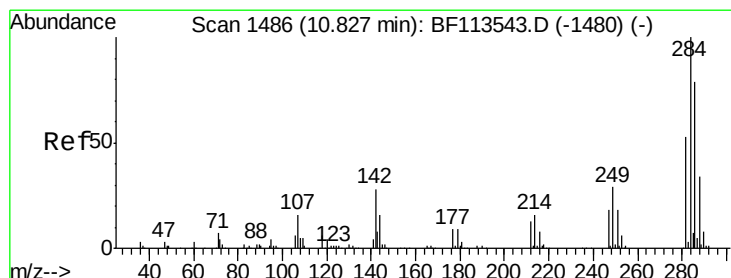
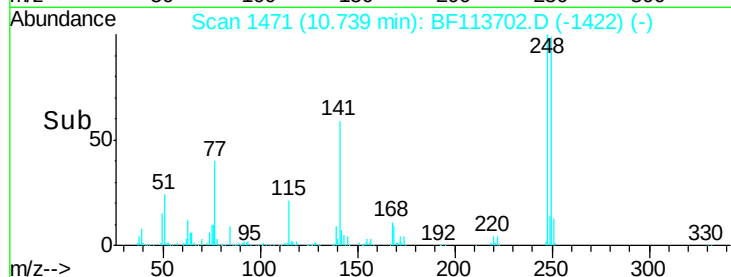
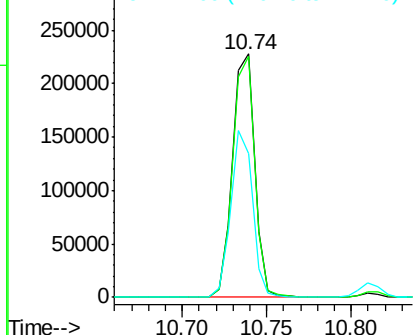
#67  
4-Bromophenyl-phenylether  
Concen: 49.292 ng  
RT: 10.74 min Scan# 1471  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 208801  
Ion Ratio Lower Upper  
248 100  
250 98.8 78.3 117.5  
141 58.9 56.2 84.4

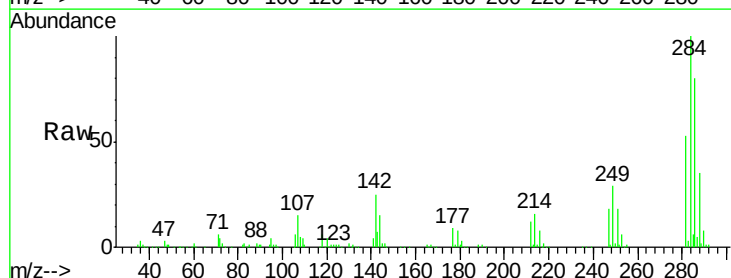


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

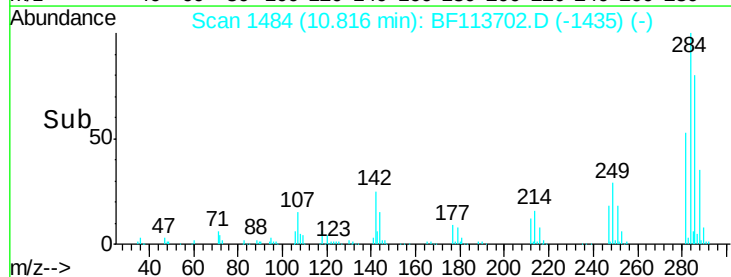
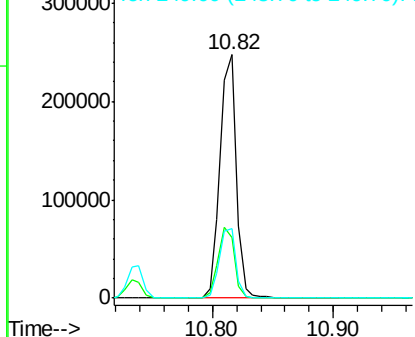


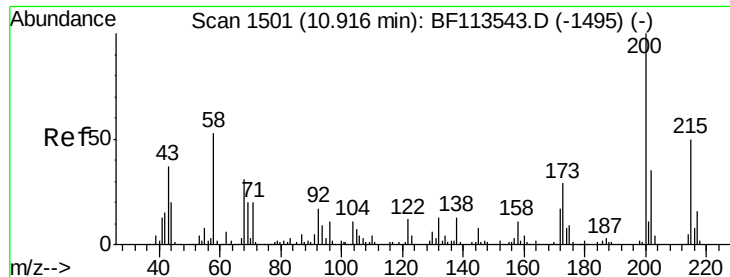
#68  
Hexachlorobenzene  
Concen: 47.421 ng  
RT: 10.82 min Scan# 1484  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Tgt Ion:284 Resp: 230166  
Ion Ratio Lower Upper  
284 100  
142 25.1 20.1 30.1  
249 28.6 22.7 34.1



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





#69

Atrazine

Concen: 49.212 ng

RT: 10.90 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

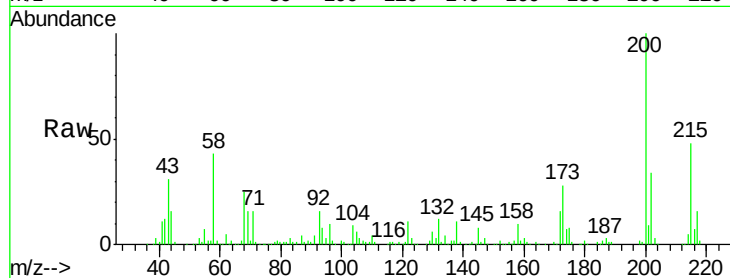
Tot Ion:200 Resp: 179852

Ion Ratio Lower Upper

200 100

173 27.5 6.0 46.0

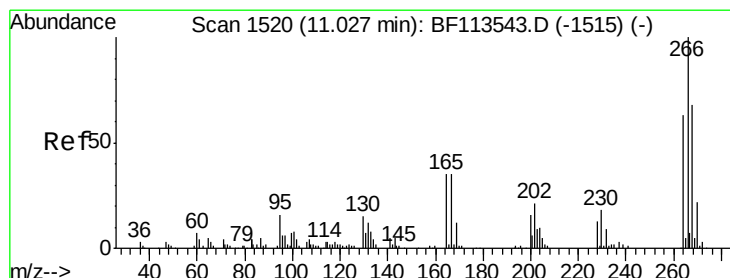
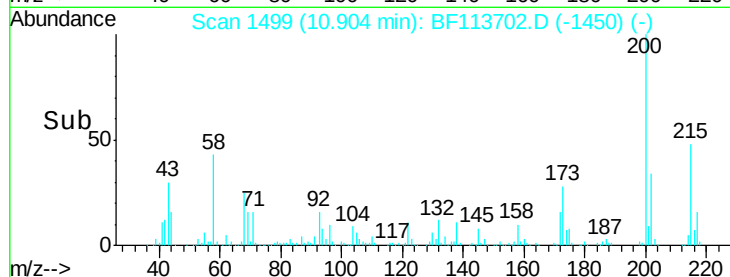
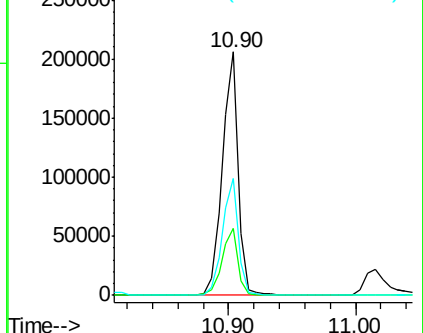
215 48.2 31.3 71.3



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 79.666 ng

RT: 11.02 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

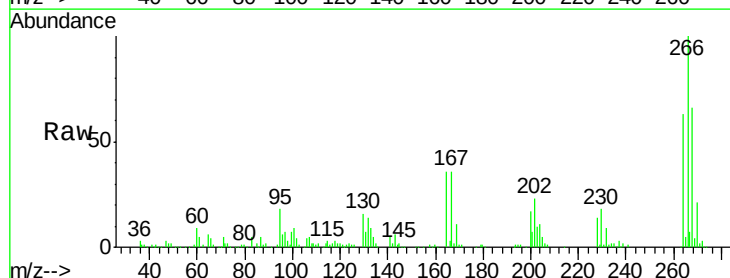
Tgt Ion:266 Resp: 182203

Ion Ratio Lower Upper

266 100

268 65.9 53.8 80.6

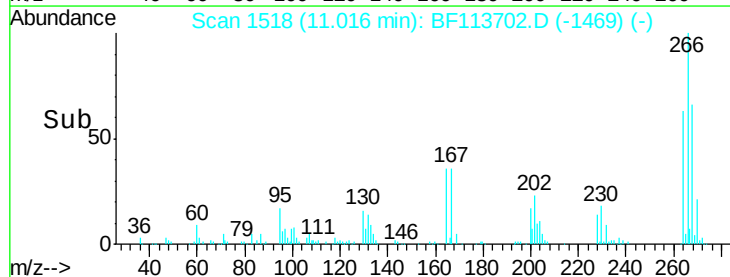
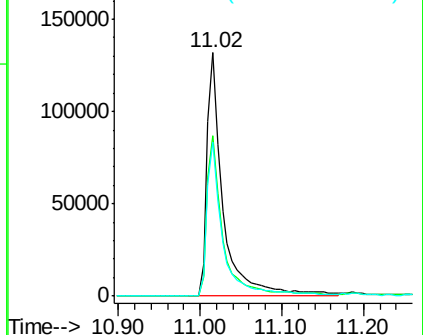
264 63.1 49.2 73.8

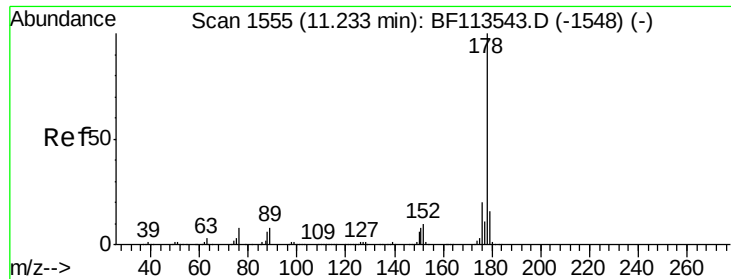


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 47.806 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

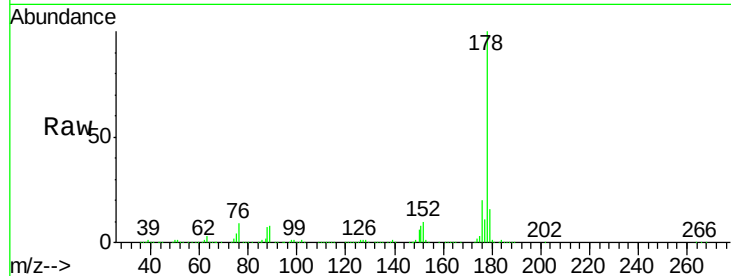
Tot Ion:178 Resp: 897217

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.2

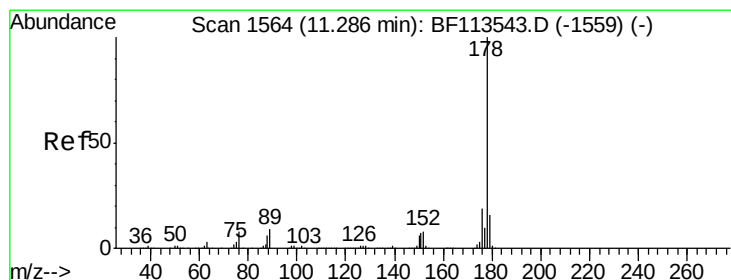
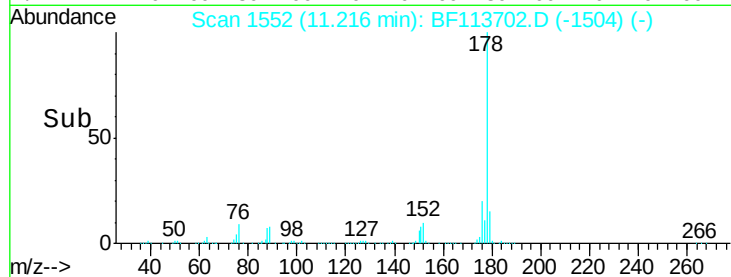
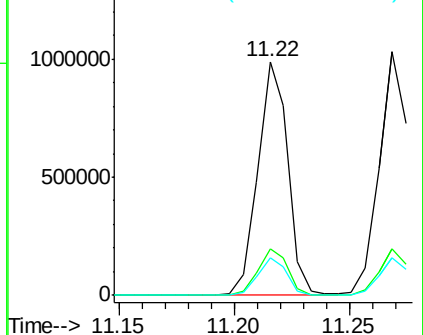
179 15.9 12.7 19.1



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



#72

Anthracene

Concen: 48.542 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

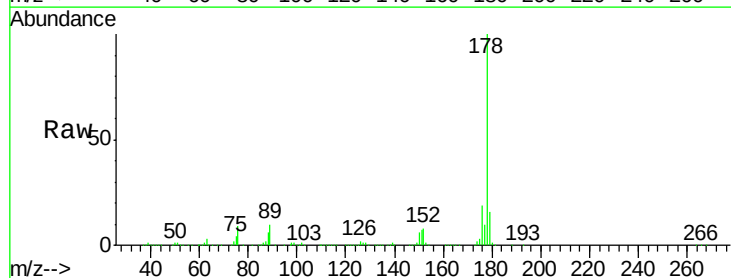
Tgt Ion:178 Resp: 926897

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

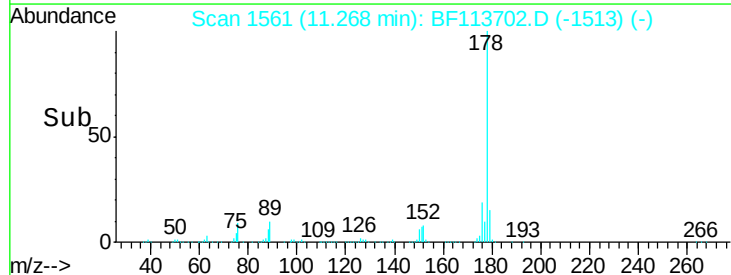
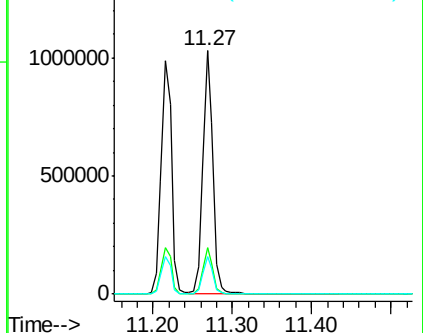
179 15.6 12.8 19.2



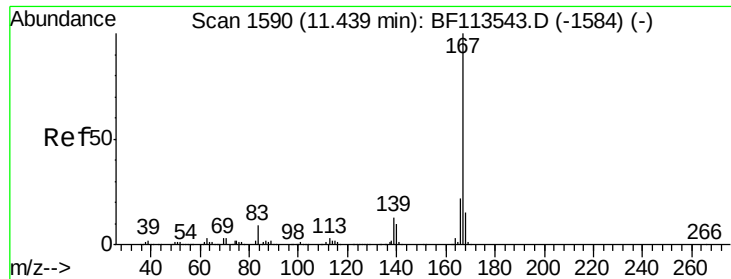
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E







#73

Carbazole

Concen: 47.041 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

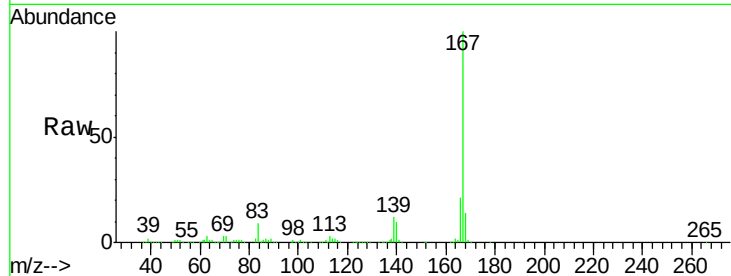
Tot Ion:167 Resp: 840100

Ion Ratio Lower Upper

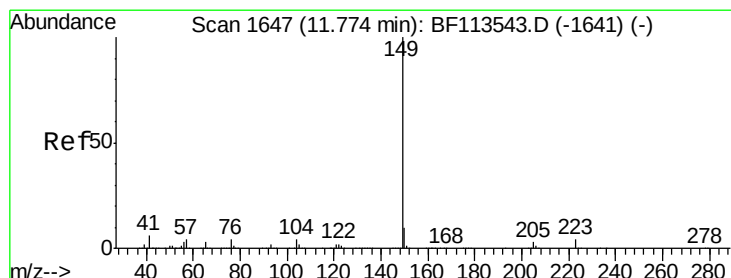
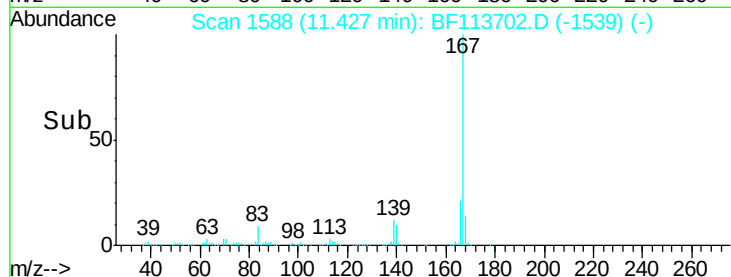
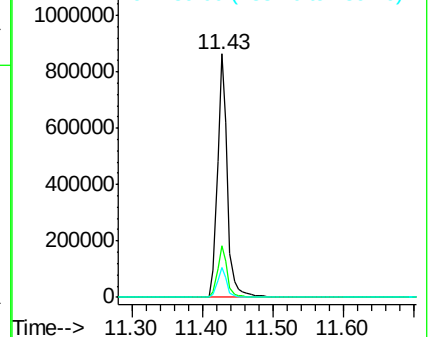
167 100

166 21.3 17.4 26.0

139 12.4 10.4 15.6



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: 48.053 ng

RT: 11.75 min Scan# 1643

Delta R.T. -0.02 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

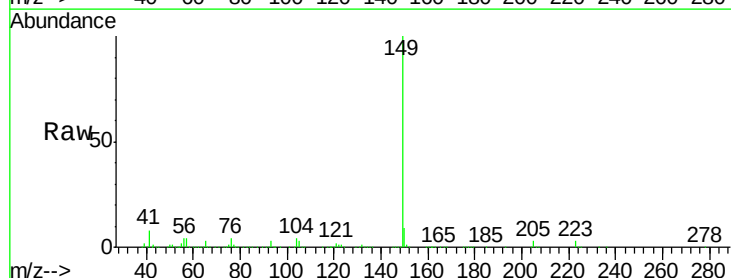
Tgt Ion:149 Resp: 1020877

Ion Ratio Lower Upper

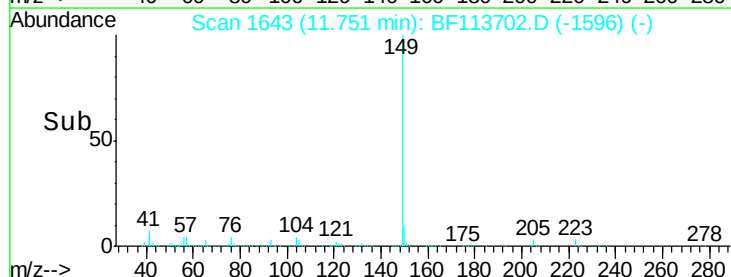
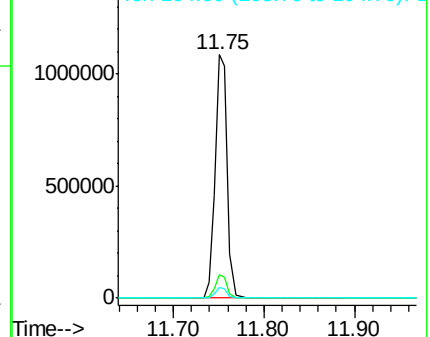
149 100

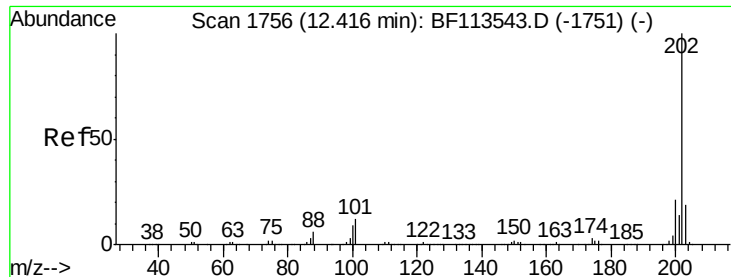
150 9.4 7.7 11.5

104 4.4 3.7 5.5



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

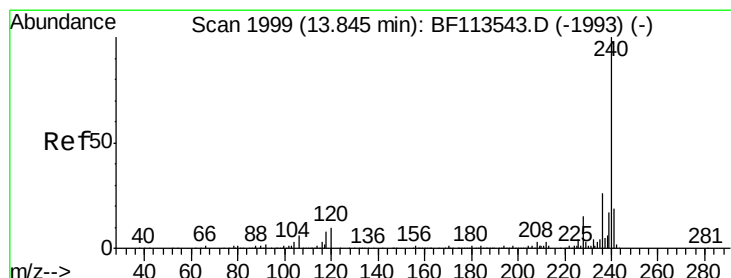
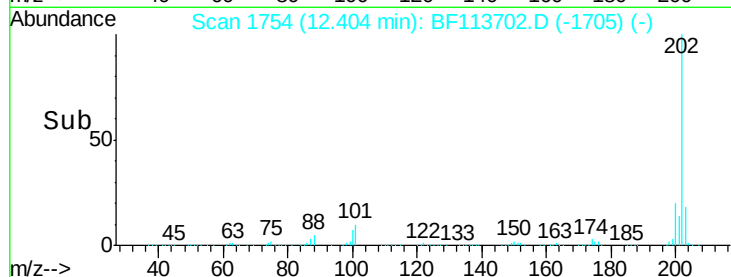
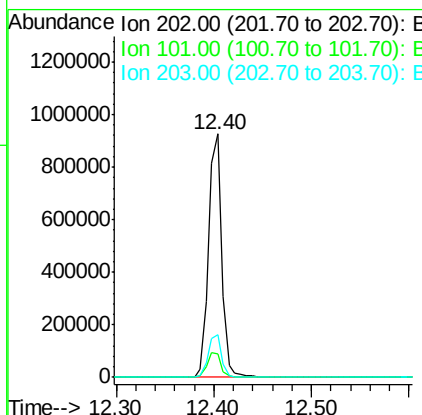
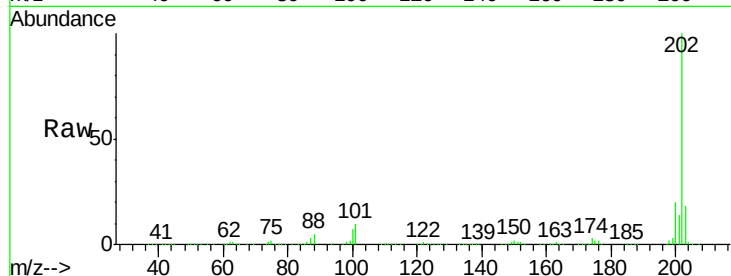




#75  
 Fluoranthene  
 Concen: 43.369 ng  
 RT: 12.40 min Scan# 1754  
 Delta R.T. -0.01 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

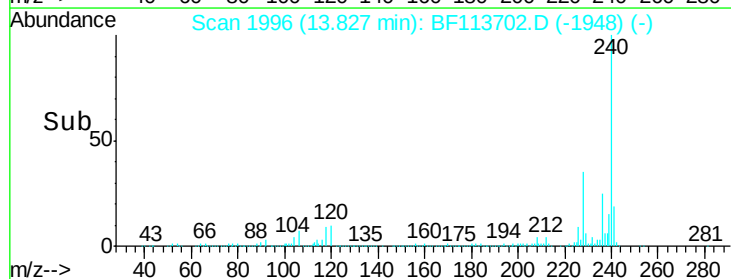
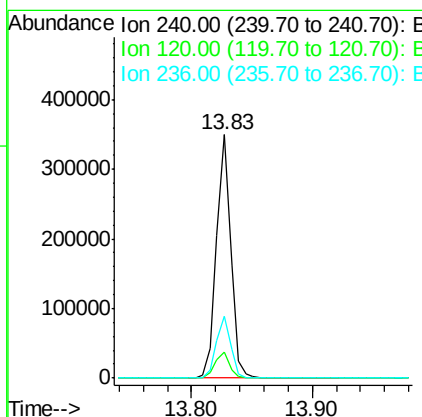
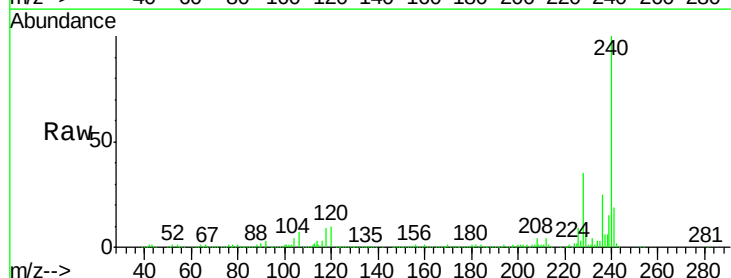
Instrument :  
 BNA\_F  
 ClientSampleId :

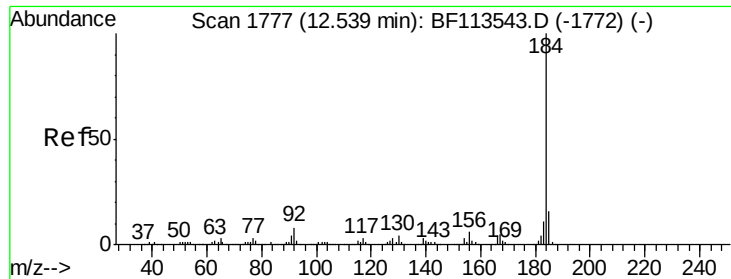
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.9   | 0.0   | 31.4  |
| 203     | 17.8  | 0.0   | 38.0  |



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.83 min Scan# 1996  
 Delta R.T. -0.02 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.4  | 8.8   | 13.2  |
| 236     | 25.3  | 20.9  | 31.3  |





#77

Benzidine

Concen: 15.001 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

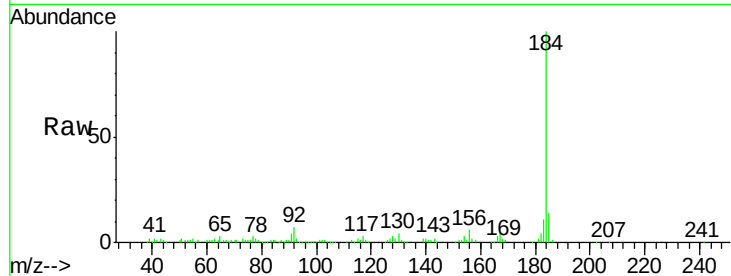
Tot Ion:184 Resp: 158169

Ion Ratio Lower Upper

184 100

185 14.0 13.0 19.6

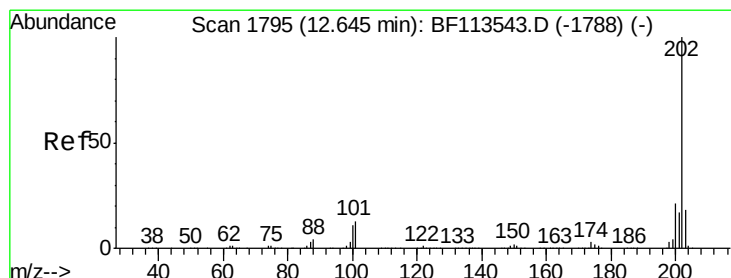
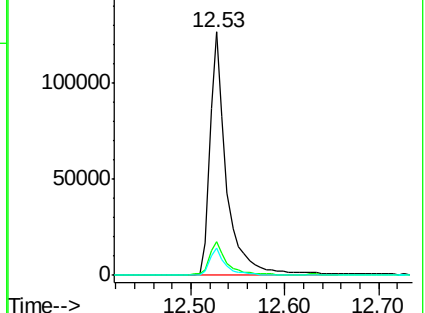
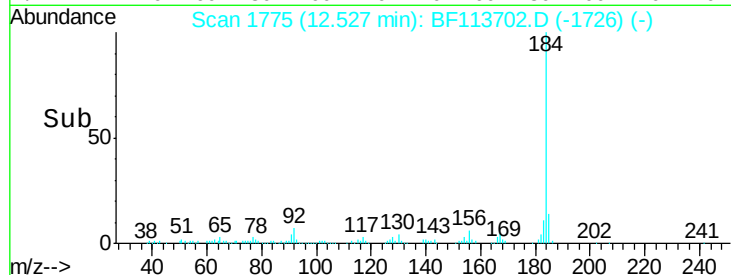
183 11.1 9.0 13.4



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: 40.867 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

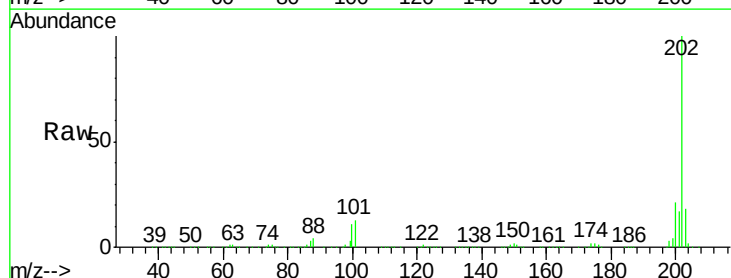
Tgt Ion:202 Resp: 881696

Ion Ratio Lower Upper

202 100

200 20.5 16.8 25.2

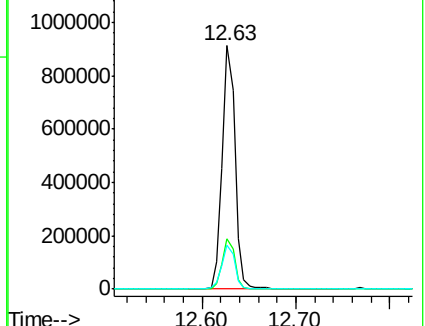
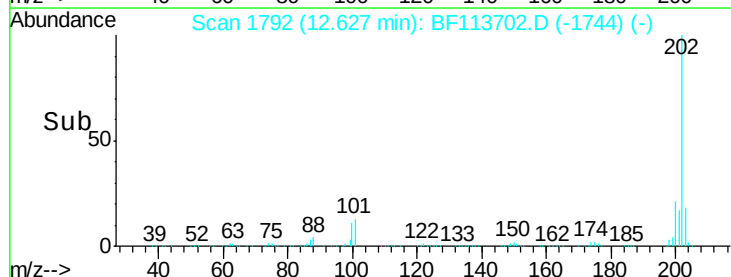
203 17.8 14.4 21.6

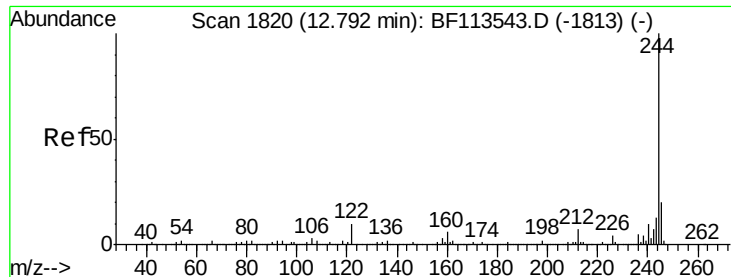


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 84.510 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

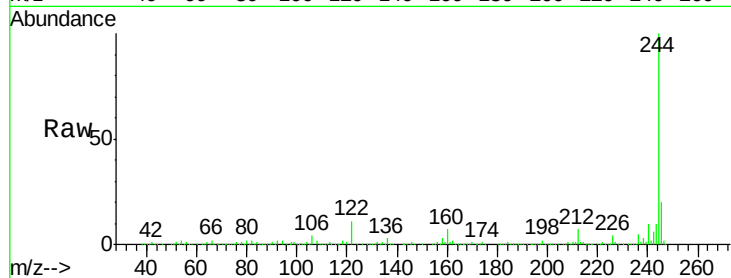
Tot Ion:244 Resp: 1176918

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

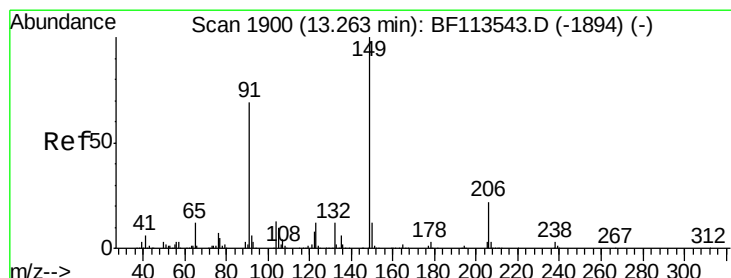
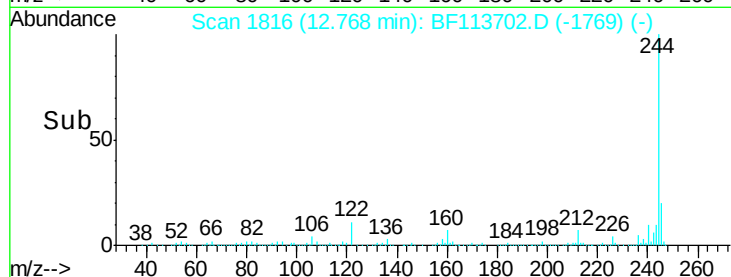
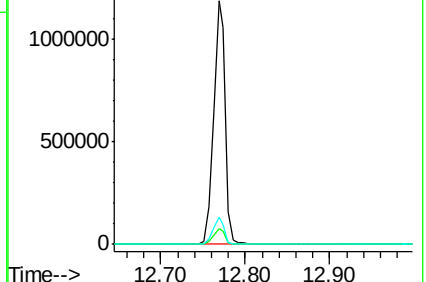
122 11.5 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 41.171 ng

RT: 13.24 min Scan# 1897

Delta R.T. -0.02 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

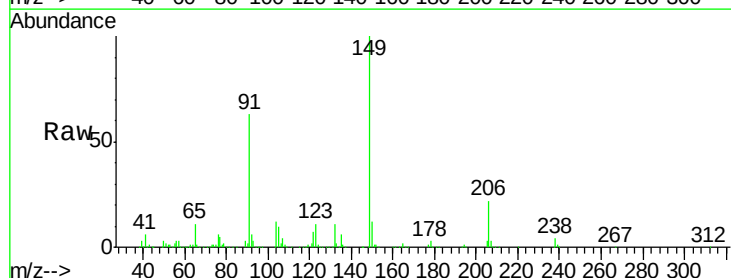
Tgt Ion:149 Resp: 361567

Ion Ratio Lower Upper

149 100

91 63.4 55.2 82.8

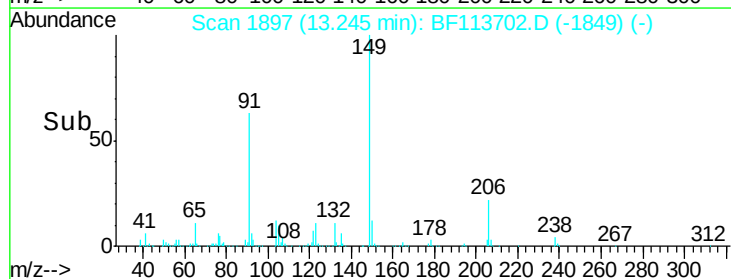
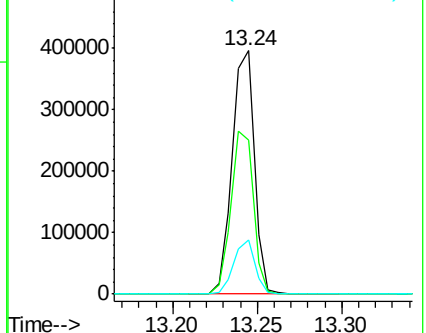
206 22.3 16.1 24.1

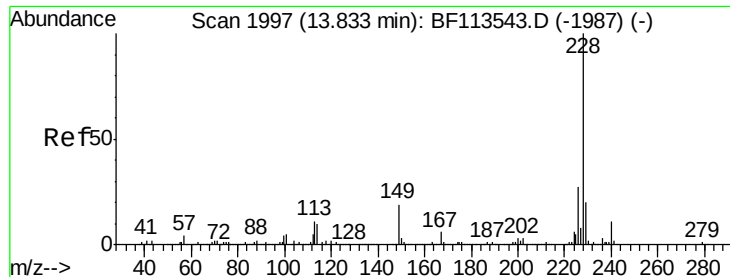


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 45.624 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113702.D

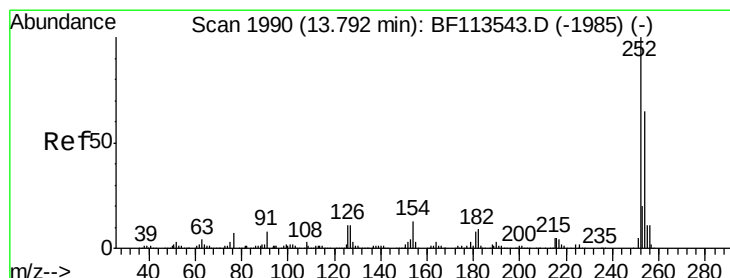
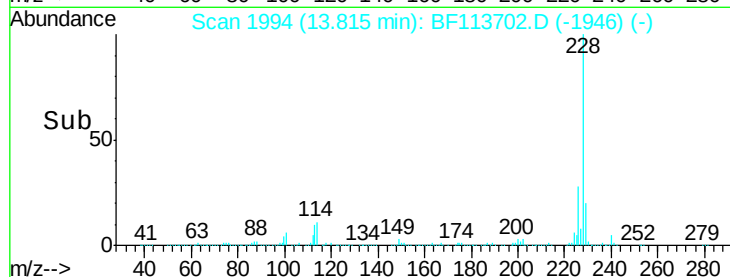
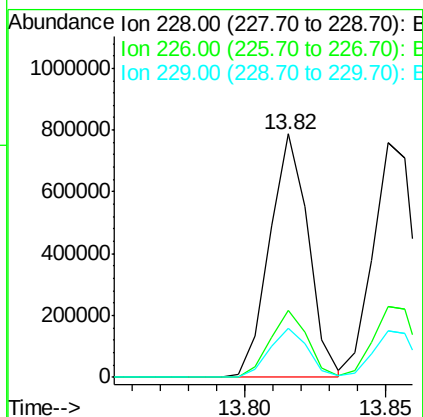
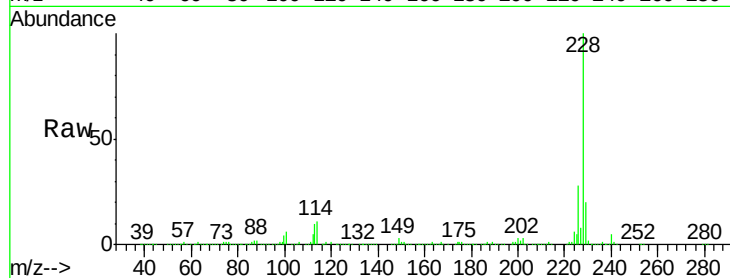
Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 228   | Resp: | 746247 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 226      | 27.7  | 21.8  | 32.8   |
| 229      | 20.2  | 16.2  | 24.4   |



#82

3,3'-Dichlorobenzidine

Concen: 20.515 ng

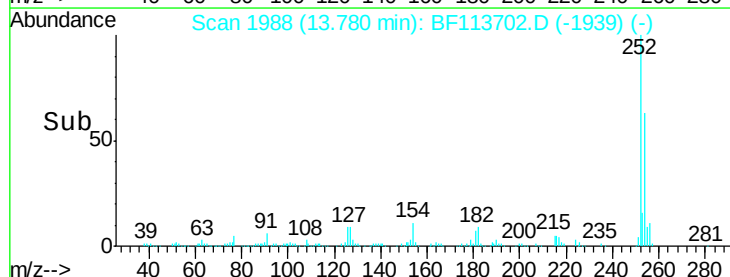
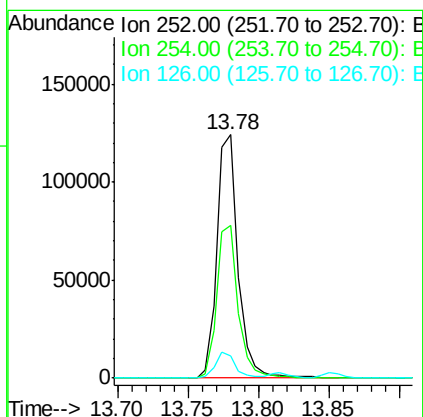
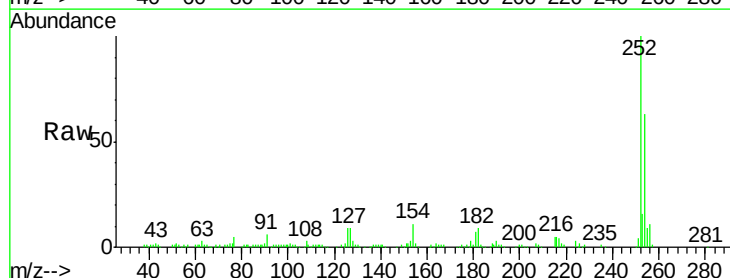
RT: 13.78 min Scan# 1988

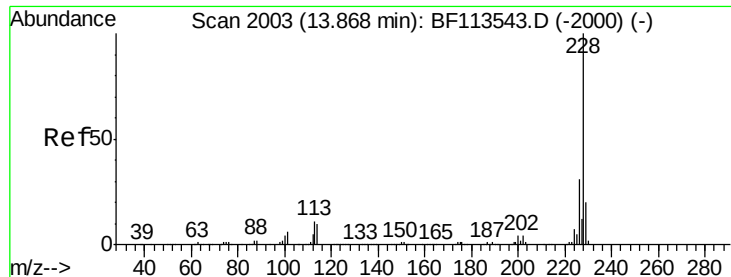
Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 129244 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 254      | 62.7  | 52.2  | 78.2   |
| 126      | 8.9   | 8.5   | 12.7   |

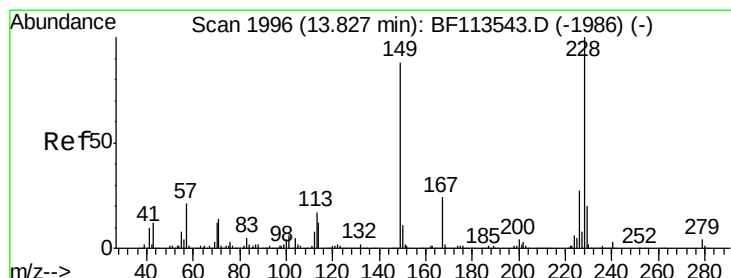
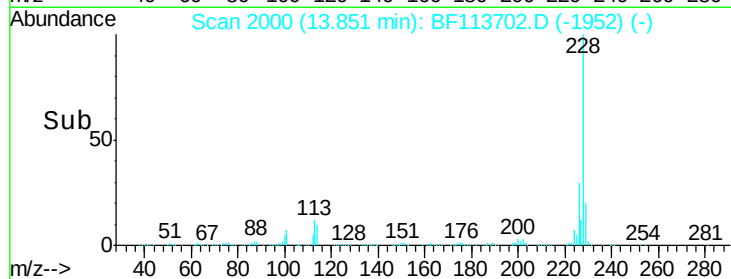
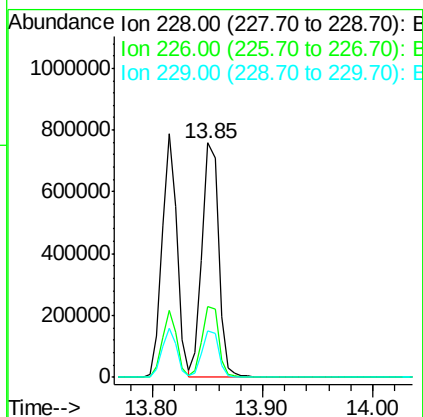
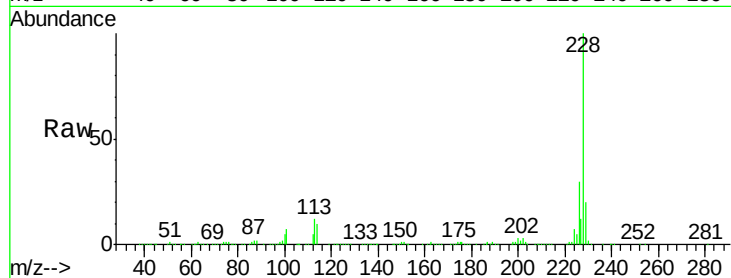




#83  
 Chrysene  
 Concen: 46.560 ng  
 RT: 13.85 min Scan# 2000  
 Delta R.T. -0.02 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

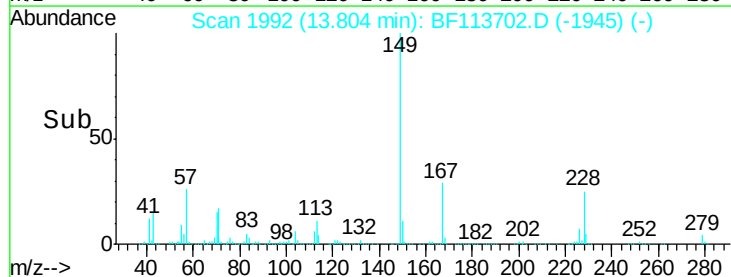
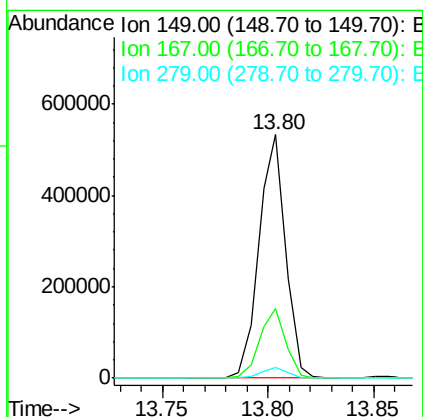
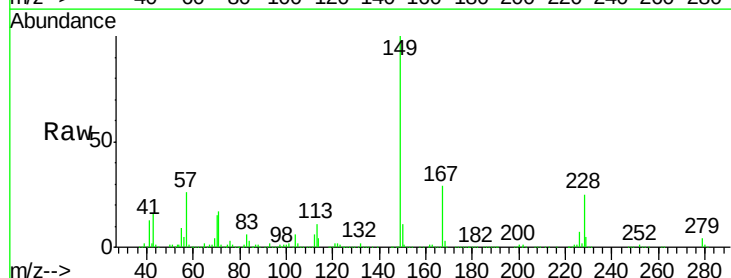
Instrument :  
 BNA\_F  
 ClientSampleID :

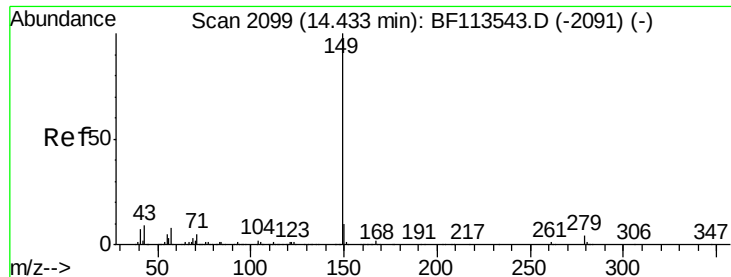
Tot Ion:228 Resp: 772001  
 Ion Ratio Lower Upper  
 228 100  
 226 30.2 24.3 36.5  
 229 19.9 16.3 24.5



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 44.094 ng  
 RT: 13.80 min Scan# 1992  
 Delta R.T. -0.02 min  
 Lab File: BF113702.D  
 Acq: 10 Apr 2019 17:57

Tgt Ion:149 Resp: 468189  
 Ion Ratio Lower Upper  
 149 100  
 167 28.7 21.8 32.8  
 279 4.4 2.9 4.3#





#85

Di-n-octyl phthalate

Concen: 49.112 ng

RT: 14.41 min Scan# 2095

Delta R.T. -0.02 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampleId :

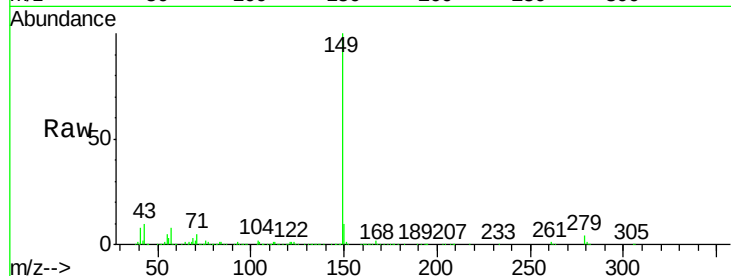
Tot Ion:149 Resp: 847655

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

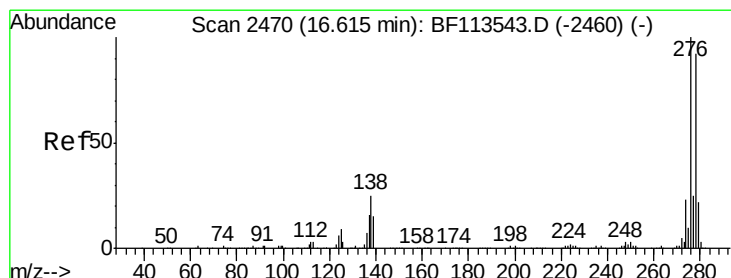
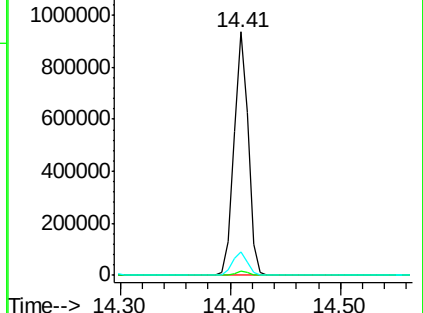
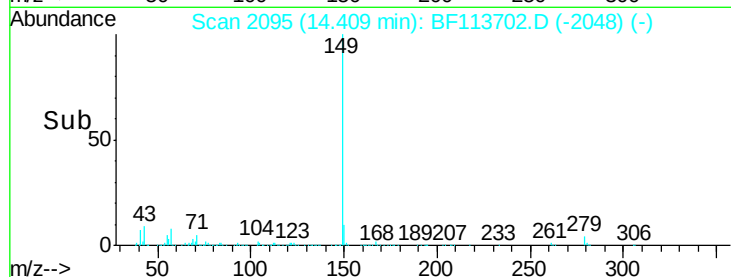
43 9.4 7.7 11.5



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: 43.046 ng

RT: 16.60 min Scan# 2467

Delta R.T. -0.02 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

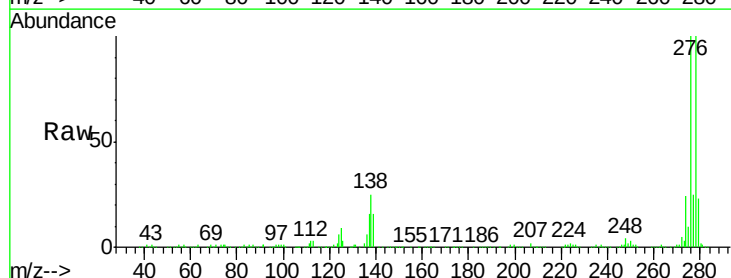
Tgt Ion:276 Resp: 658984

Ion Ratio Lower Upper

276 100

138 23.5 18.1 27.1

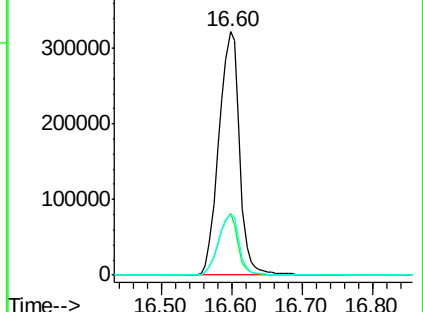
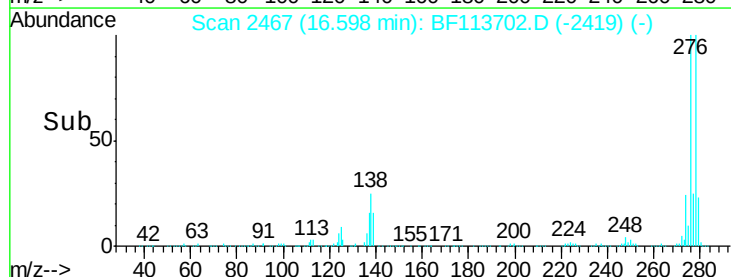
277 25.1 20.2 30.4

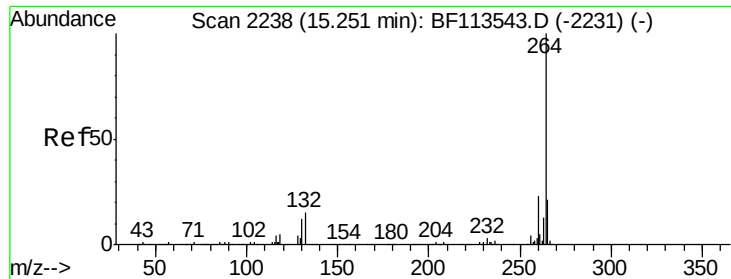


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

Instrument :

BNA\_F

ClientSampled :

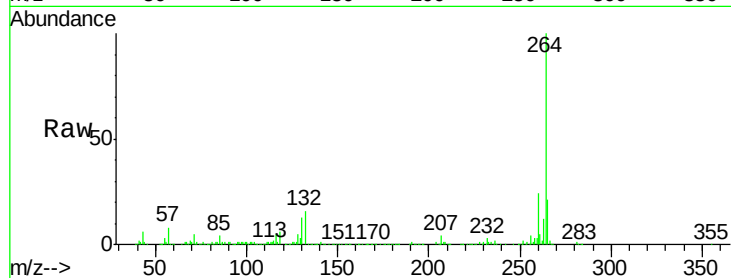
Tot Ion:264 Resp: 286575

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

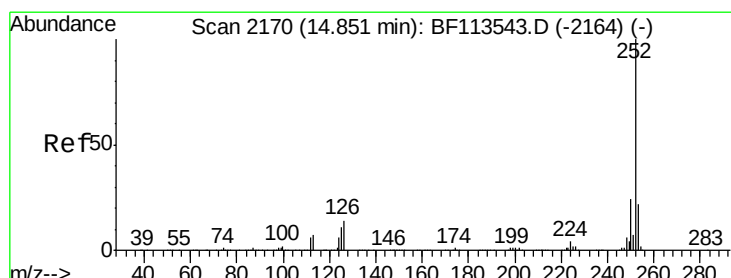
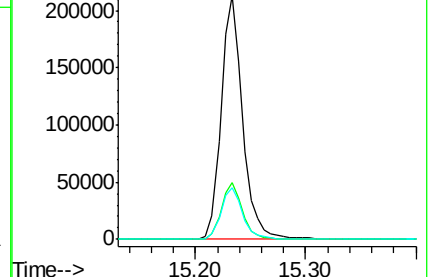
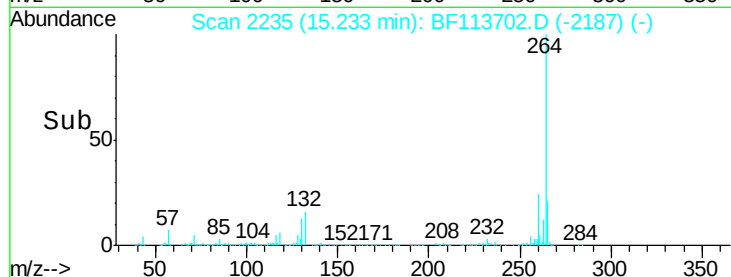
265 21.2 17.1 25.7



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: 46.370 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF113702.D

Acq: 10 Apr 2019 17:57

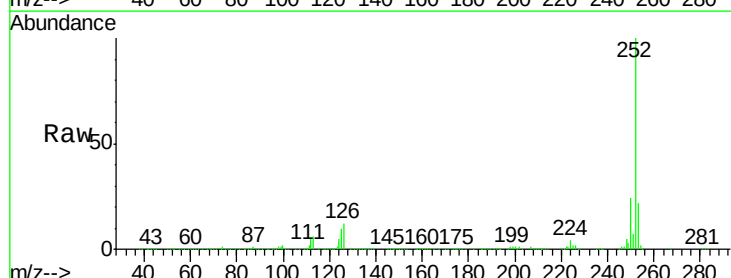
Tgt Ion:252 Resp: 813420

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

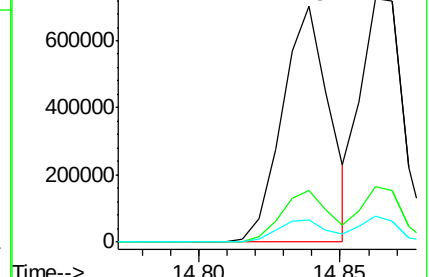
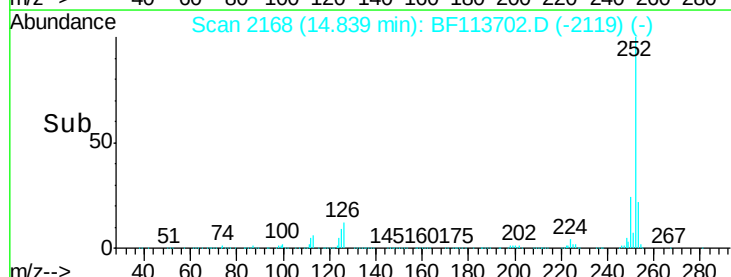
125 9.5 7.6 11.4



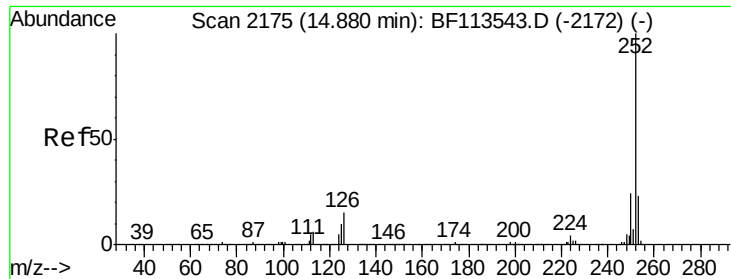
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



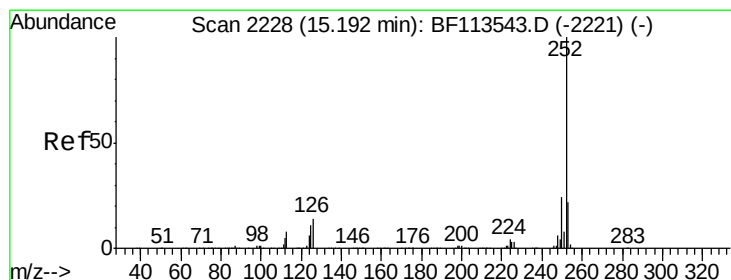
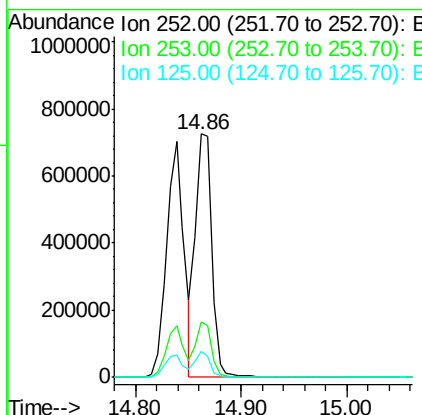
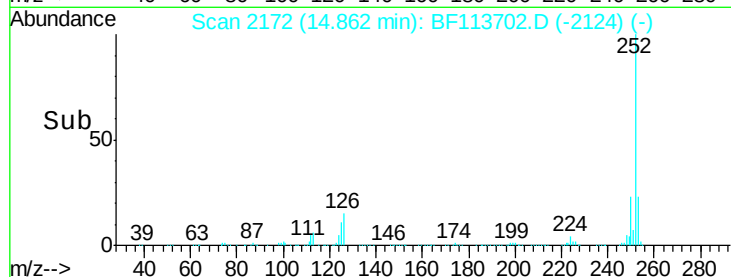
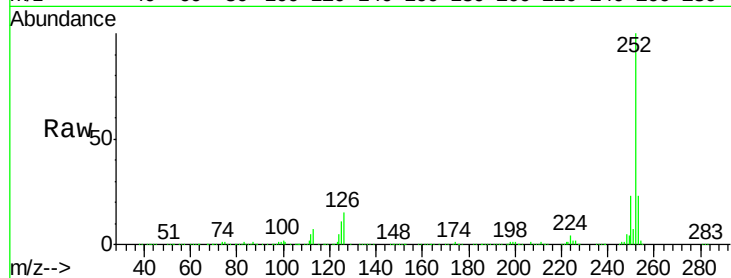




#89  
Benzo(k)fluoranthene  
Concen: 48.644 ng  
RT: 14.86 min Scan# 2172  
Delta R.T. -0.02 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

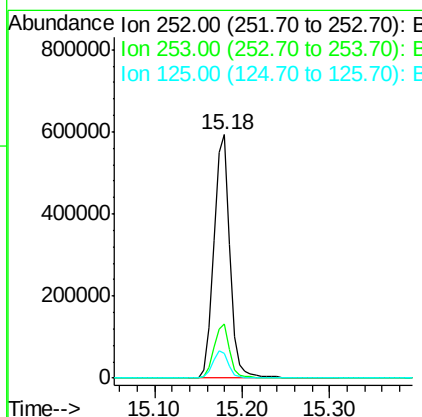
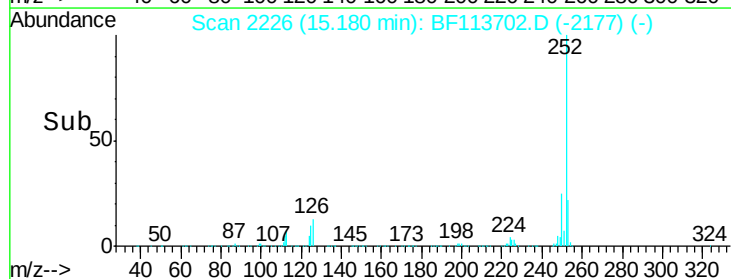
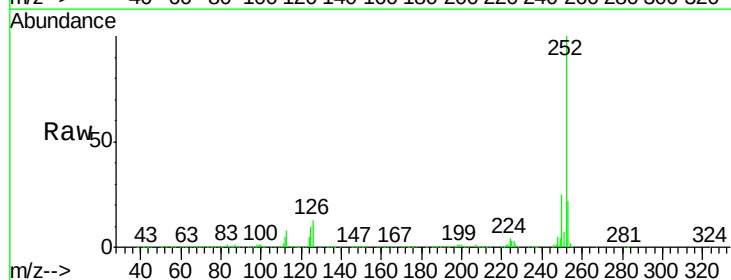
Instrument :  
BNA\_F  
ClientSampled :

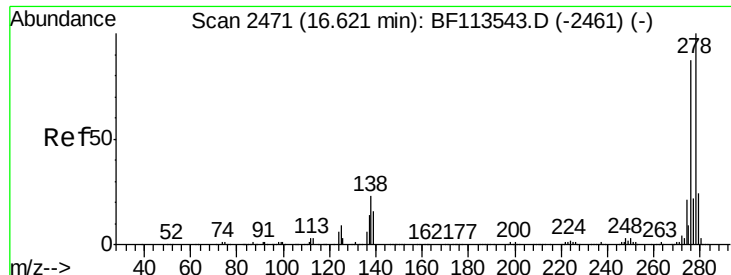
Tot Ion:252 Resp: 765830  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.7 26.5  
125 10.7 7.3 10.9



#90  
Benzo(a)pyrene  
Concen: 48.498 ng  
RT: 15.18 min Scan# 2226  
Delta R.T. -0.01 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Tgt Ion:252 Resp: 755983  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.9 26.9  
125 10.2 8.8 13.2

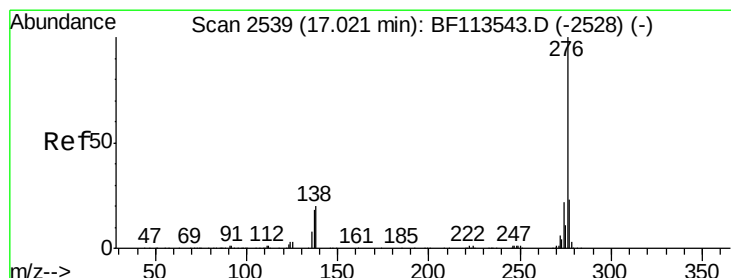
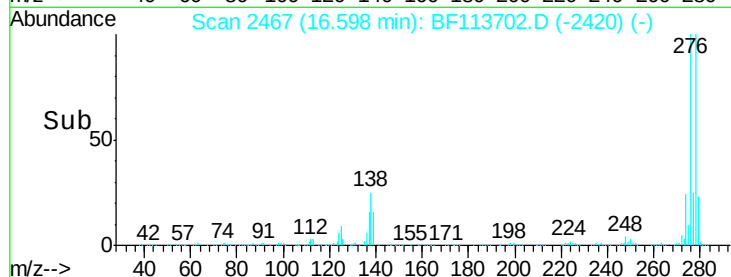
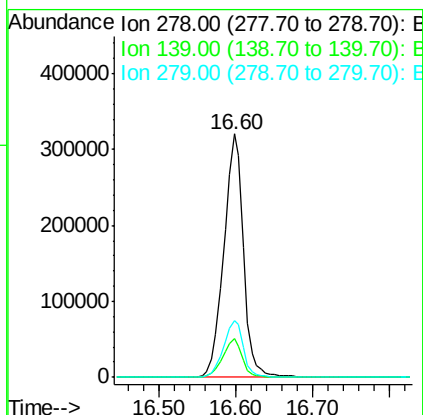
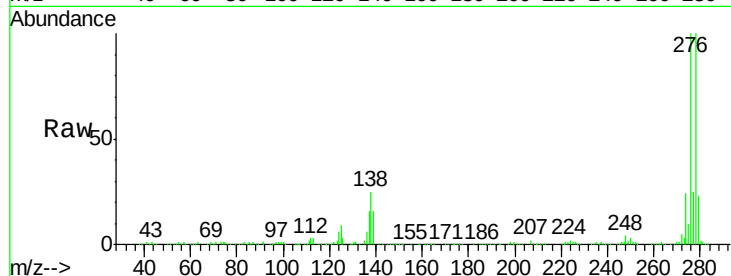




#91  
Dibenzo(a,h)anthracene  
Concen: 38.977 ng  
RT: 16.60 min Scan# 2467  
Delta R.T. -0.02 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:278 Resp: 568166  
Ion Ratio Lower Upper  
278 100  
139 15.7 12.0 18.0  
279 23.2 19.0 28.6



#92  
Benzo(g,h,i)perylene  
Concen: 35.750 ng  
RT: 17.00 min Scan# 2536  
Delta R.T. -0.02 min  
Lab File: BF113702.D  
Acq: 10 Apr 2019 17:57

Tgt Ion:276 Resp: 531908  
Ion Ratio Lower Upper  
276 100  
277 23.7 18.8 28.2  
138 20.2 15.6 23.4

