

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\  
 Data File : BF099224.D  
 Acq On : 8 Oct 2017 11:25  
 Operator : SJ/JU  
 Sample : PB103045BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 09 01:06:55 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 05 17:20:48 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.87  | 152  | 132715   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.15  | 136  | 552617   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.91  | 164  | 252638   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.39 | 188  | 442083   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.04 | 240  | 298611   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.51 | 264  | 226108   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.50  | 112 | 960509  | 115.21 | ng | 0.02 |
| 7) Phenol-d6             | 6.51  | 99  | 1153186 | 112.13 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.43  | 82  | 704386  | 81.74  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 242552  | 117.33 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.23  | 172 | 1256783 | 83.05  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.97 | 244 | 1090322 | 83.04  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.73 | 88  | 128698 | 32.32 | ng | 97     |
| 3) Pyridine                    | 3.50 | 79  | 362807 | 33.68 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.46 | 42  | 148174 | 32.43 | ng | # 78   |
| 6) Aniline                     | 6.53 | 93  | 410895 | 29.60 | ng | 99     |
| 8) 2-Chlorophenol              | 6.66 | 128 | 348997 | 36.97 | ng | 97     |
| 9) Benzaldehyde                | 6.42 | 77  | 141811 | 23.77 | ng | 92     |
| 10) Phenol                     | 6.52 | 94  | 424254 | 36.89 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.60 | 93  | 331550 | 37.08 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.81 | 146 | 375296 | 37.96 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 378389 | 37.61 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.04 | 146 | 350676 | 37.73 | ng | 97     |
| 15) Benzyl Alcohol             | 7.01 | 79  | 279420 | 37.03 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45  | 473902 | 34.02 | ng | 95     |
| 17) 2-Methylphenol             | 7.12 | 107 | 293261 | 37.96 | ng | 97     |
| 18) Hexachloroethane           | 7.37 | 117 | 134515 | 37.20 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70  | 219710 | 33.46 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.27 | 107 | 343115 | 35.11 | ng | # 77   |
| 22) Acetophenone               | 7.28 | 105 | 459609 | 34.33 | ng | # 96   |
| 24) Nitrobenzene               | 7.45 | 77  | 349610 | 35.77 | ng | 98     |
| 25) Isophorone                 | 7.69 | 82  | 645989 | 36.26 | ng | 99     |
| 26) 2-Nitrophenol              | 7.77 | 139 | 199854 | 42.52 | ng | # 87   |
| 27) 2,4-Dimethylphenol         | 7.80 | 122 | 315769 | 35.57 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 414673 | 37.35 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.01 | 162 | 294736 | 38.67 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.09 | 180 | 297622 | 39.04 | ng | 99     |
| 31) Naphthalene                | 8.17 | 128 | 989806 | 38.14 | ng | 100    |
| 32) Benzoic acid               | 7.95 | 122 | 220120 | 30.19 | ng | 95     |
| 33) 4-Chloroaniline            | 8.22 | 127 | 274080 | 25.29 | ng | 96     |
| 34) Hexachlorobutadiene        | 8.28 | 225 | 142698 | 36.34 | ng | 99     |
| 35) Caprolactam                | 8.60 | 113 | 58999  | 24.13 | ng | 88     |
| 36) 4-Chloro-3-methylphenol    | 8.71 | 107 | 309022 | 36.07 | ng | 93     |
| 37) 2-Methylnaphthalene        | 8.86 | 142 | 682515 | 40.45 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 267654 | 35.52 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.02 | 237 | 203443 | 59.09 | ng | 97     |

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 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

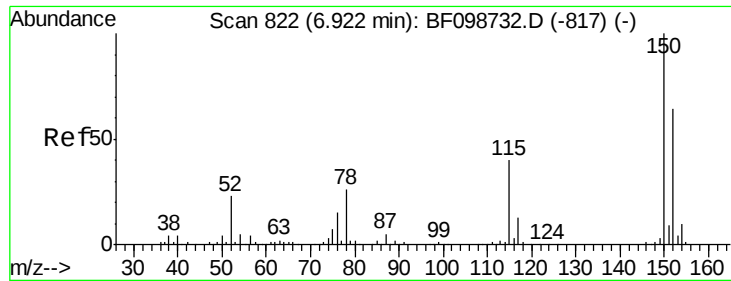
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 09 01:06:55 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 05 17:20:48 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.15  | 196  | 197089   | 36.92 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.19  | 196  | 203504   | 38.19 | nq    | 97       |
| 45) 1,1'-Biphenyl              | 9.33  | 154  | 777896   | 35.83 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.36  | 162  | 620745   | 38.08 | nq    | 96       |
| 47) 2-Nitroaniline             | 9.45  | 65   | 185752   | 37.21 | nq    | 95       |
| 48) Acenaphthylene             | 9.77  | 152  | 948823   | 38.02 | nq    | 100      |
| 49) Dimethylphthalate          | 9.63  | 163  | 720463   | 37.78 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.69  | 165  | 163409   | 39.36 | nq    | 93       |
| 51) Acenaphthene               | 9.94  | 154  | 558218   | 35.31 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.86  | 138  | 155197   | 32.06 | nq    | 93       |
| 53) 2,4-Dinitrophenol          | 9.97  | 184  | 135639   | 64.02 | nq    | 94       |
| 54) Dibenzofuran               | 10.12 | 168  | 832729   | 39.56 | nq    | 99       |
| 55) 4-Nitrophenol              | 10.04 | 139  | 272895   | 66.68 | nq    | # 81     |
| 56) 2,4-Dinitrotoluene         | 10.10 | 165  | 216492   | 40.18 | nq    | # 86     |
| 57) Fluorene                   | 10.46 | 166  | 649270   | 38.38 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.23 | 232  | 153273   | 41.64 | nq    | 98       |
| 59) Diethylphthalate           | 10.33 | 149  | 702638   | 37.71 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204  | 287708   | 37.86 | nq    | 96       |
| 61) 4-Nitroaniline             | 10.49 | 138  | 196366   | 42.05 | nq    | 86       |
| 62) Azobenzene                 | 10.60 | 77   | 636668   | 37.16 | nq    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198  | 95899    | 35.65 | nq    | 90       |
| 65) n-Nitrosodiphenylamine     | 10.57 | 169  | 581799   | 37.99 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 10.93 | 248  | 170232   | 39.34 | nq    | 96       |
| 67) Hexachlorobenzene          | 11.00 | 284  | 173480   | 37.54 | nq    | 97       |
| 68) Atrazine                   | 11.09 | 200  | 185932   | 40.35 | nq    | 99       |
| 69) Pentachlorophenol          | 11.20 | 266  | 176684   | 61.43 | nq    | 98       |
| 70) Phenanthrene               | 11.42 | 178  | 914548   | 38.65 | nq    | 99       |
| 71) Anthracene                 | 11.47 | 178  | 947617   | 39.14 | nq    | 99       |
| 72) Carbazole                  | 11.63 | 167  | 895412   | 37.76 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.94 | 149  | 944053   | 33.08 | nq    | 99       |
| 74) Fluoranthene               | 12.61 | 202  | 929303   | 38.78 | nq    | 99       |
| 76) Benzidine                  | 12.73 | 184  | 381052   | 34.50 | nq    | 98       |
| 77) Pyrene                     | 12.84 | 202  | 960372   | 42.18 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.44 | 149  | 426433   | 39.85 | nq    | 95       |
| 80) Benzo(a)anthracene         | 14.03 | 228  | 713579   | 39.46 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.99 | 252  | 205176   | 30.95 | nq    | 98       |
| 82) Chrysene                   | 14.06 | 228  | 672259   | 39.05 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149  | 548281   | 37.21 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.61 | 149  | 713590   | 30.07 | nq    | # 77     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.00 | 276  | 544093   | 39.51 | nq    | 96       |
| 87) Benzo(b)fluoranthene       | 15.08 | 252  | 555143   | 39.93 | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 15.11 | 252  | 525056   | 38.24 | nq    | 99       |
| 89) Benzo(a)pyrene             | 15.45 | 252  | 512351   | 40.15 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 17.02 | 278  | 451275   | 44.19 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.46 | 276  | 479628   | 47.51 | nq    | 96       |

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



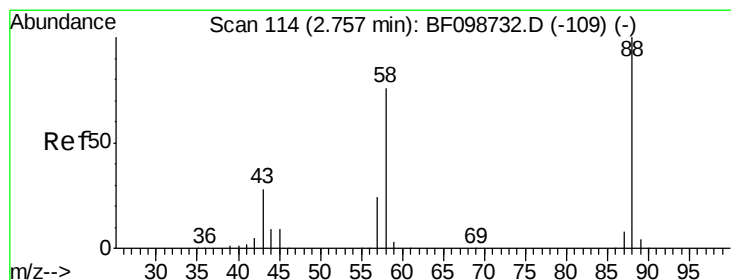
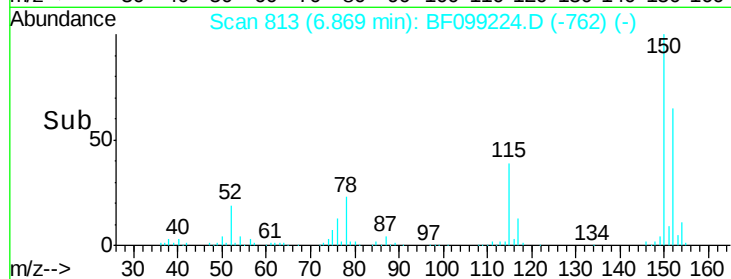
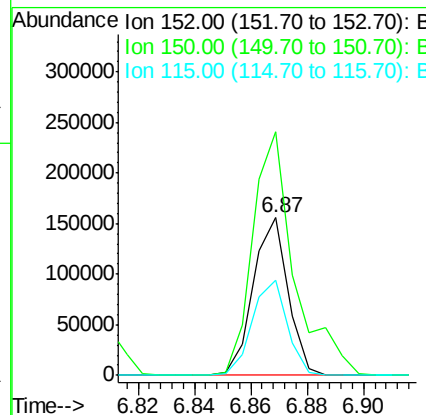
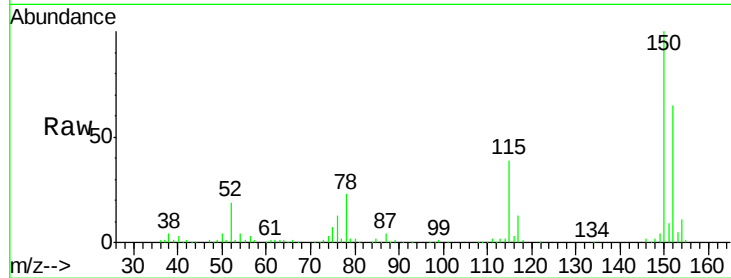


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.87 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Instrument :  
BNA\_F  
ClientSampled :

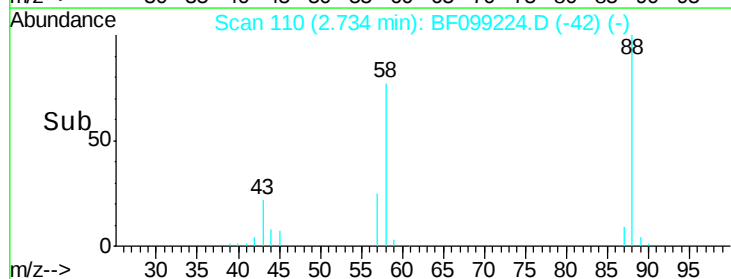
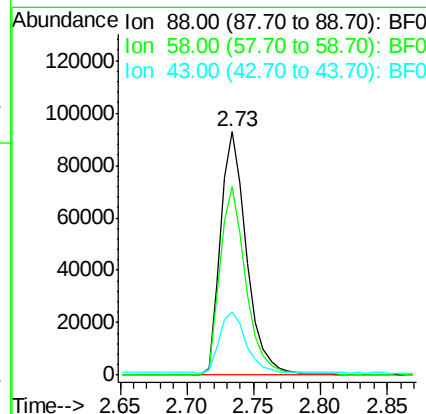
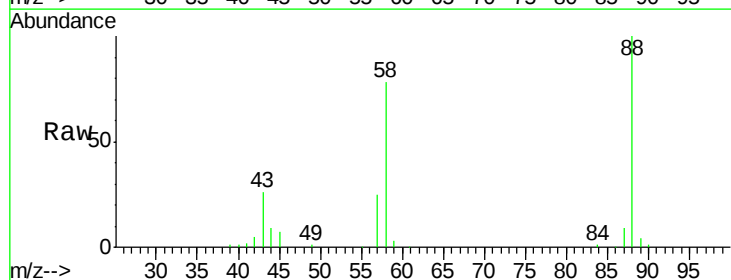
Tot Ion:152 Resp: 132715  
Ion Ratio Lower Upper  
152 100  
150 154.5 124.6 186.8  
115 60.5 50.1 75.1

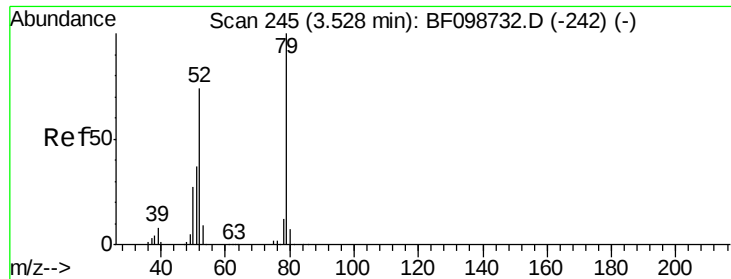


#2

1,4-Dioxane  
Concen: 32.32 ng  
RT: 2.73 min Scan# 110  
Delta R.T. 0.10 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion: 88 Resp: 128698  
Ion Ratio Lower Upper  
88 100  
58 77.4 62.6 93.8  
43 25.6 24.6 37.0





#3

Pvridine

Concen: 33.68 ng

RT: 3.50 min Scan# 241

Delta R.T. 0.10 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampleId :

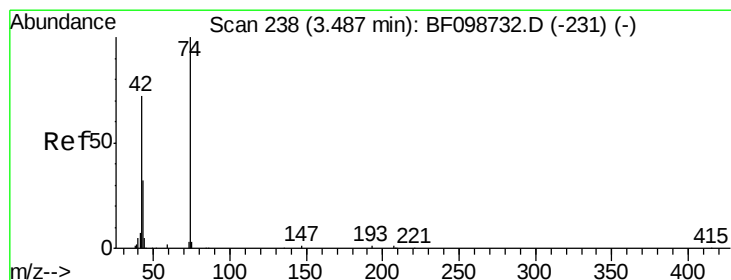
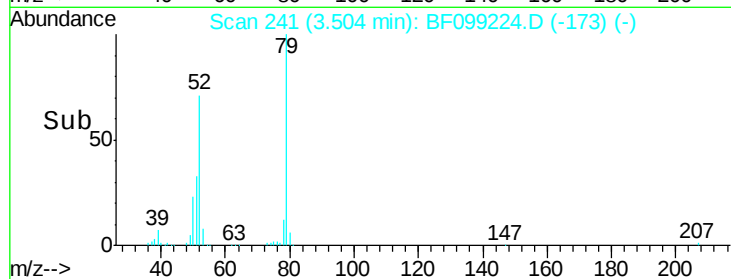
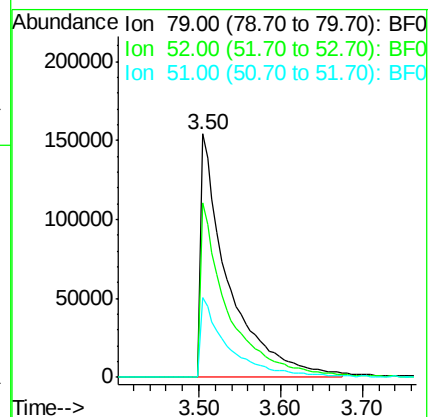
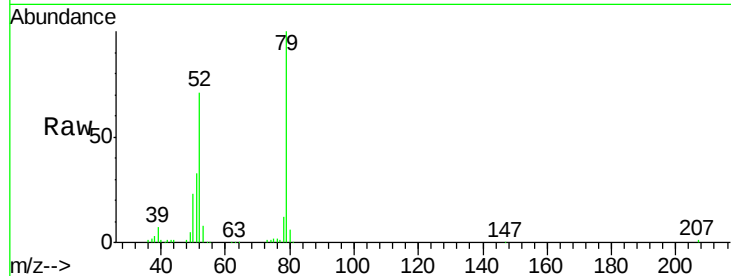
Tot Ion: 79 Resp: 362807

Ion Ratio Lower Upper

79 100

52 71.4 59.8 89.6

51 33.0 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 32.43 ng

RT: 3.46 min Scan# 233

Delta R.T. 0.09 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

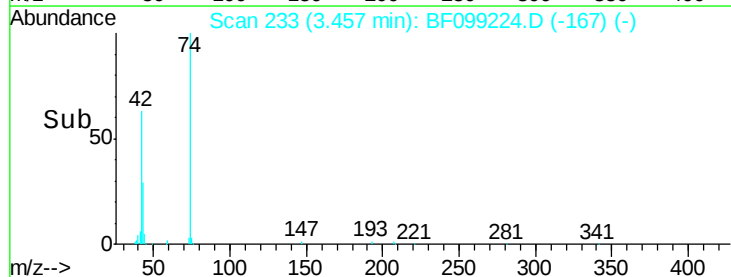
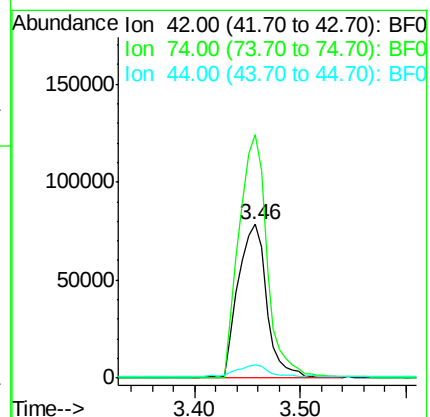
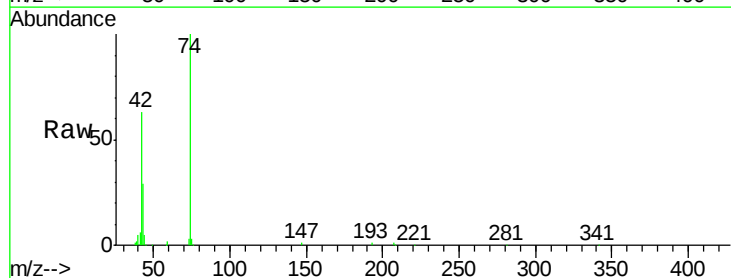
Tgt Ion: 42 Resp: 148174

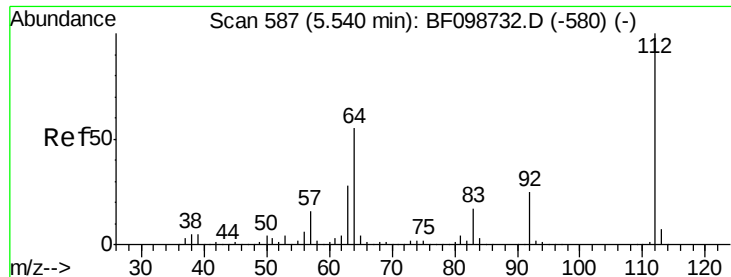
Ion Ratio Lower Upper

42 100

74 158.5 104.9 157.3#

44 8.6 6.9 10.3





#5

2-Fluorophenol

Concen: 115.21 ng

RT: 5.50 min Scan# 581

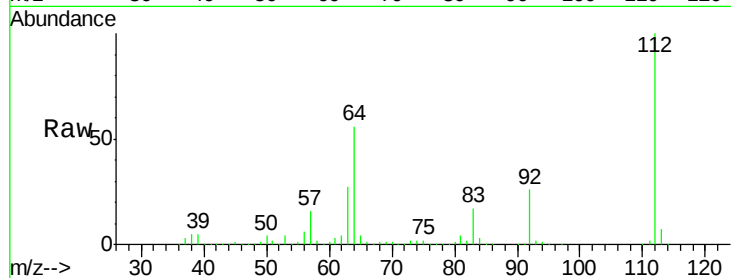
Delta R.T. 0.02 min

Lab File: BF099224.D

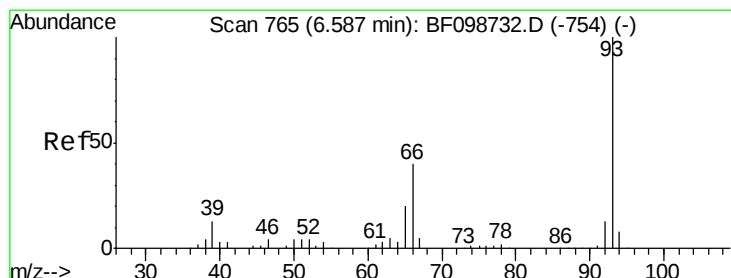
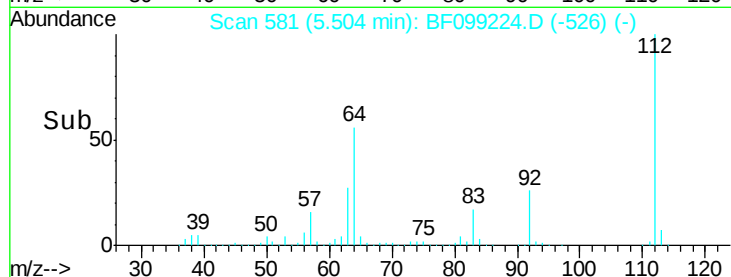
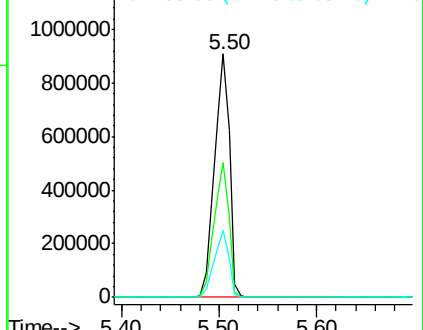
Acq: 8 Oct 2017 11:25

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 960509 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 55.6  | 47.9  | 71.9   |
| 63       | 27.3  | 23.7  | 35.5   |



Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 29.60 ng

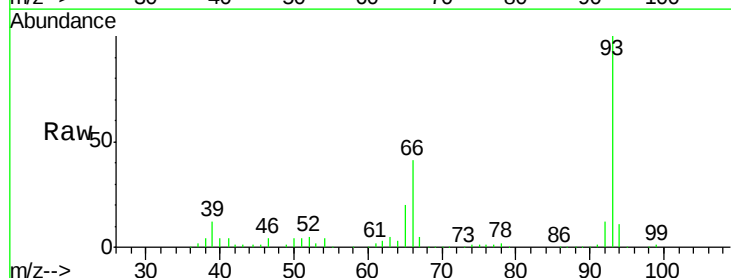
RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

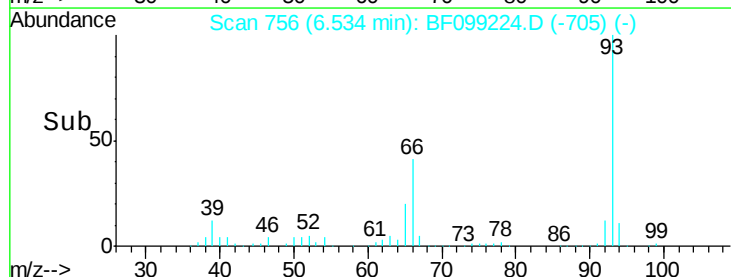
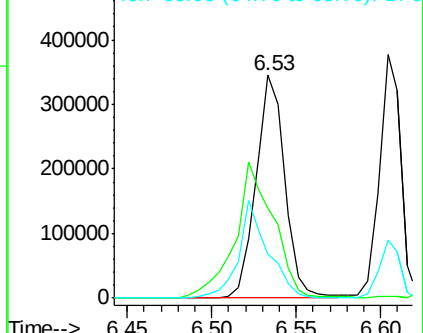
Lab File: BF099224.D

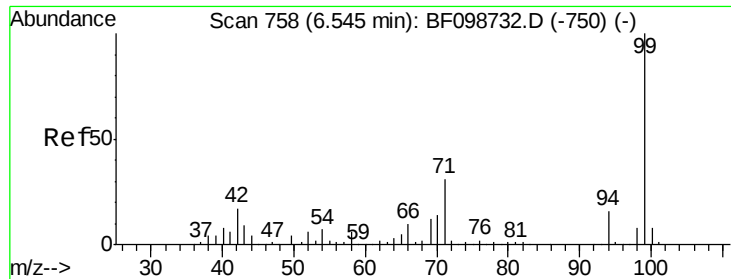
Acq: 8 Oct 2017 11:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 410895 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 40.7  | 32.2  | 48.2   |
| 65       | 19.9  | 16.4  | 24.6   |



Abundance Ion 93.00 (92.70 to 93.70): BF0





#7

Phenol-d6

Concen: 112.13 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampled :

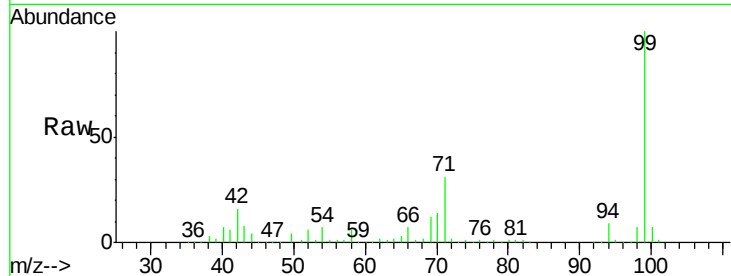
Tot Ion: 99 Resp: 1153186

Ion Ratio Lower Upper

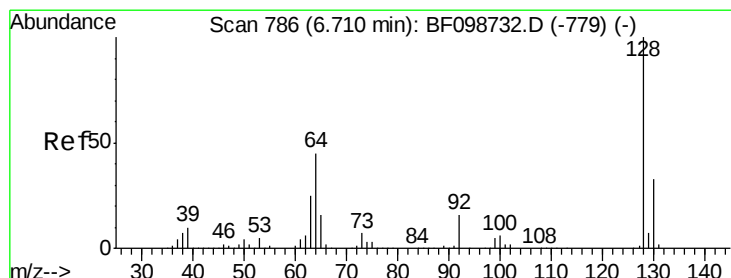
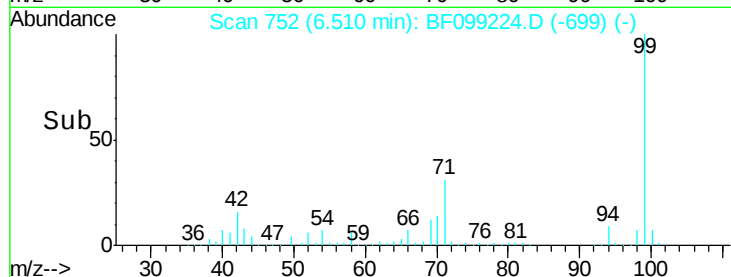
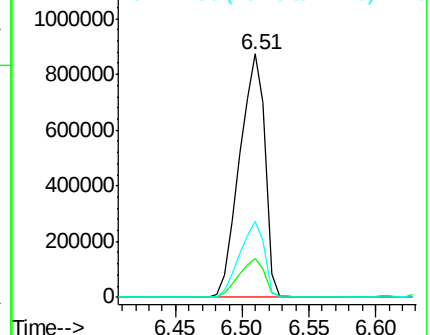
99 100

42 15.8 14.5 21.7

71 31.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 36.97 ng

RT: 6.66 min Scan# 777

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

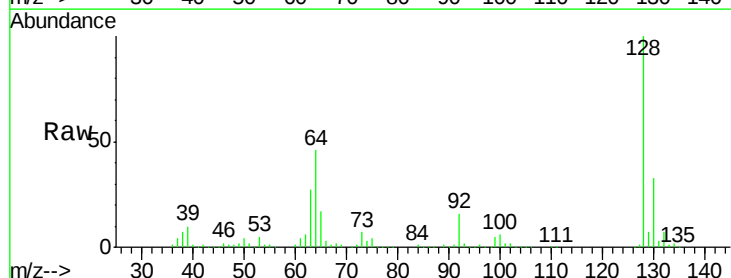
Tgt Ion: 128 Resp: 348997

Ion Ratio Lower Upper

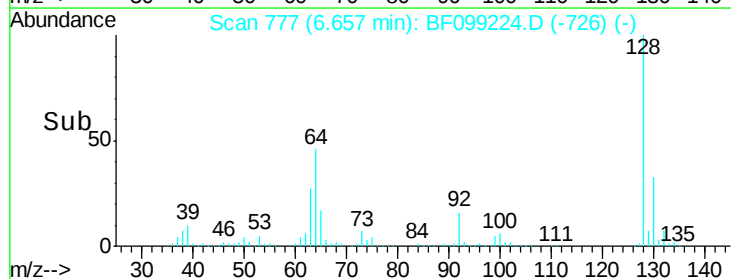
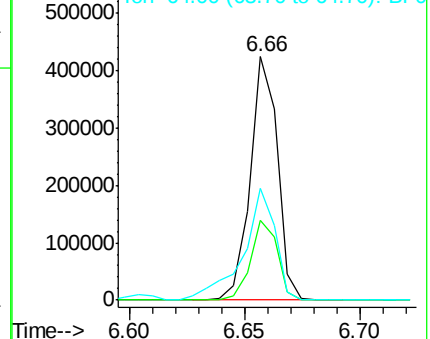
128 100

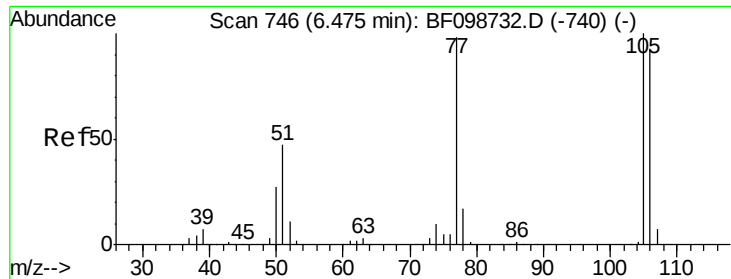
130 32.6 13.0 53.0

64 45.9 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): BF0





#9

Benzaldehyde

Concen: 23.77 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampleId :

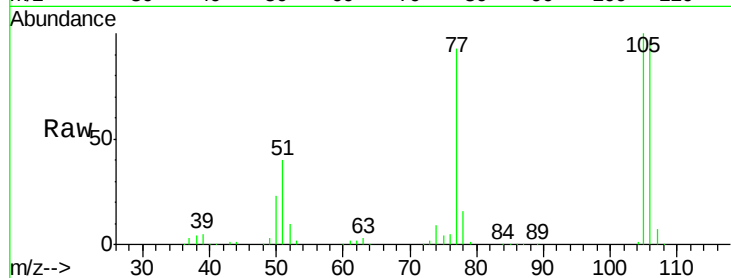
Tot Ion: 77 Resp: 141811

Ion Ratio Lower Upper

77 100

105 107.3 81.1 121.1

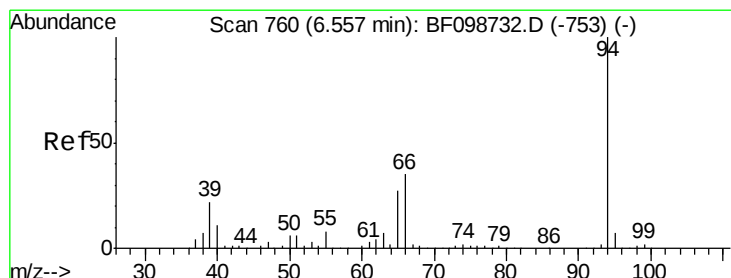
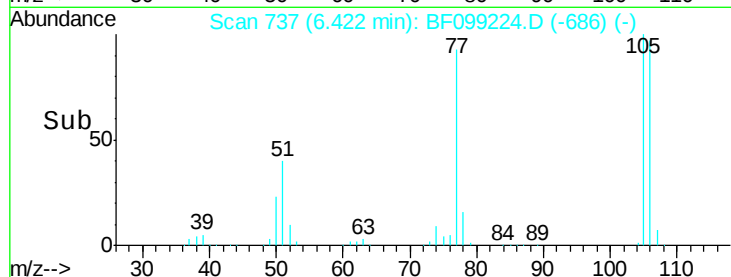
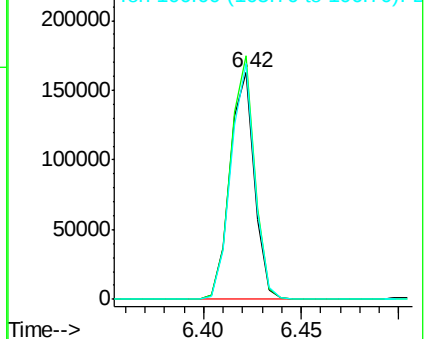
106 104.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 36.89 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

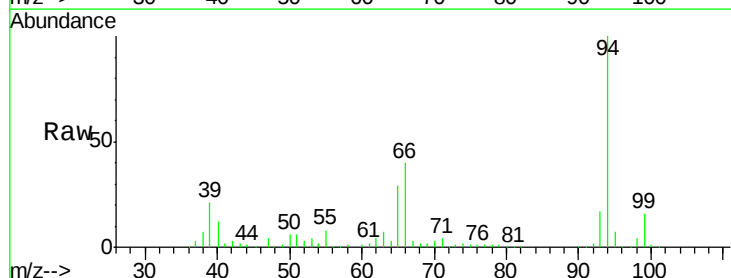
Tgt Ion: 94 Resp: 424254

Ion Ratio Lower Upper

94 100

65 28.8 7.9 47.9

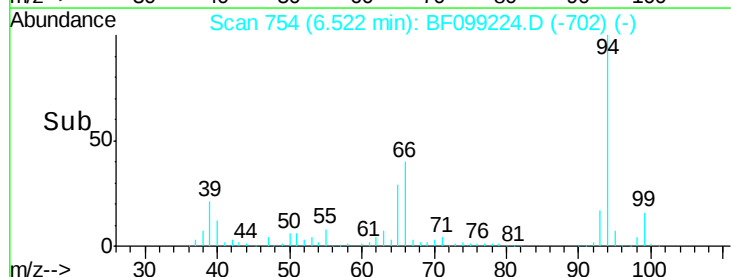
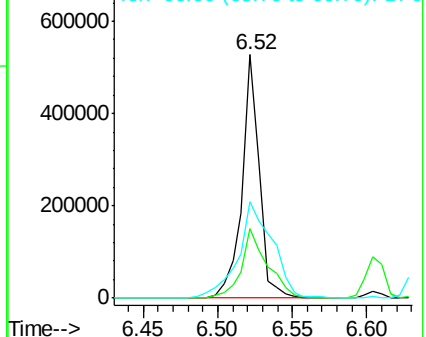
66 39.8 16.2 56.2

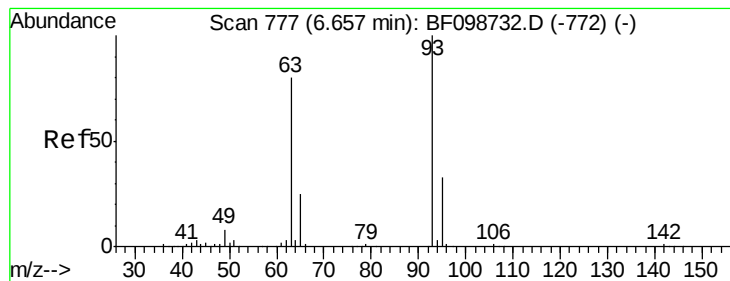


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

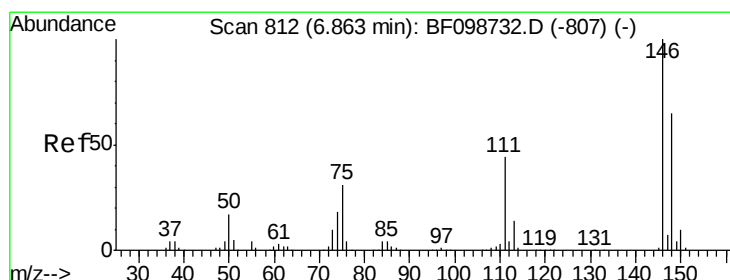
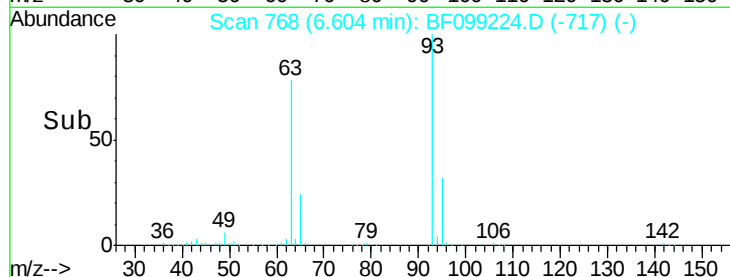
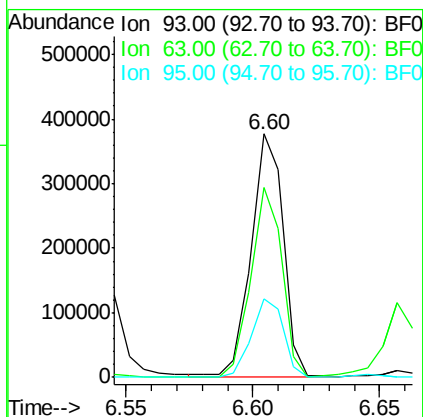
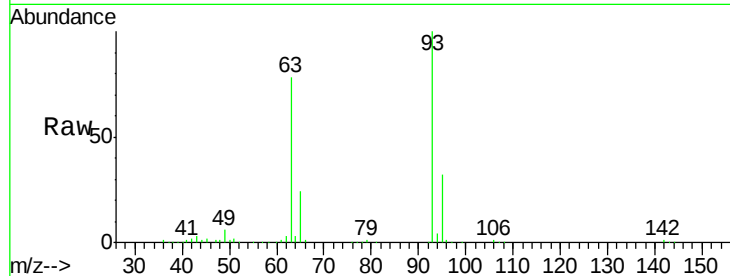




#11  
bis(2-Chloroethyl)ether  
Concen: 37.08 ng  
RT: 6.60 min Scan# 768  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

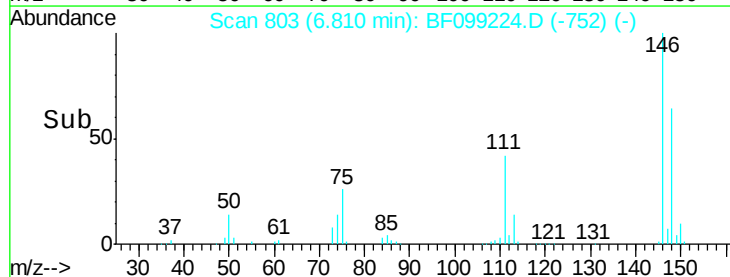
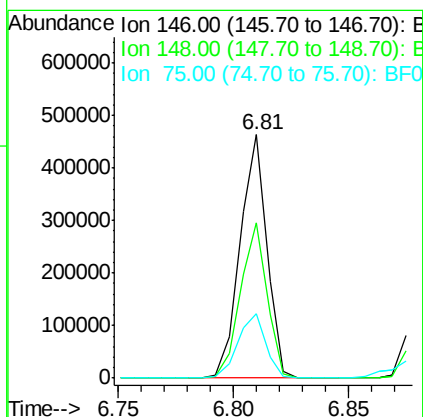
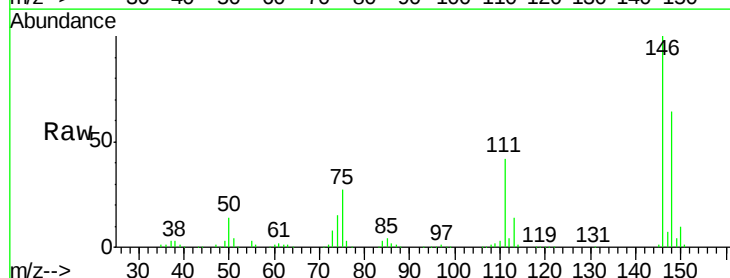
Instrument :  
BNA\_F  
ClientSampleId :

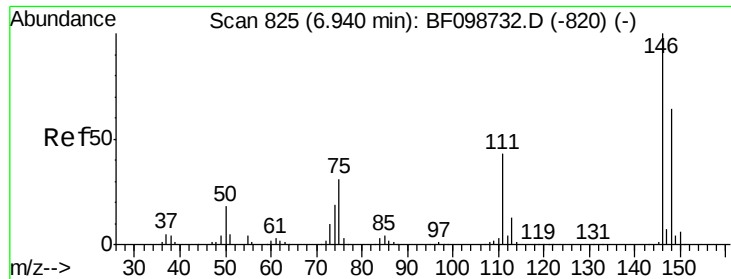
Tot Ion: 93 Resp: 331550  
Ion Ratio Lower Upper  
93 100  
63 77.7 58.6 98.6  
95 32.1 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 37.96 ng  
RT: 6.81 min Scan# 803  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion: 146 Resp: 375296  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.8 77.8  
75 26.6 24.2 36.4

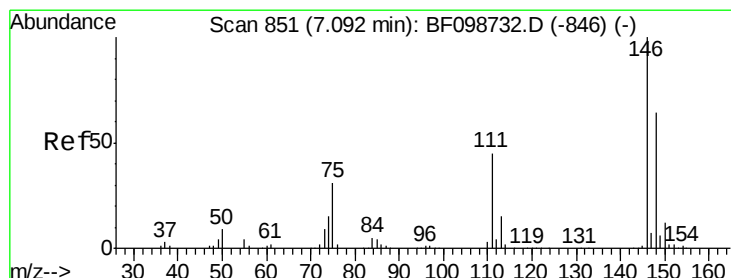
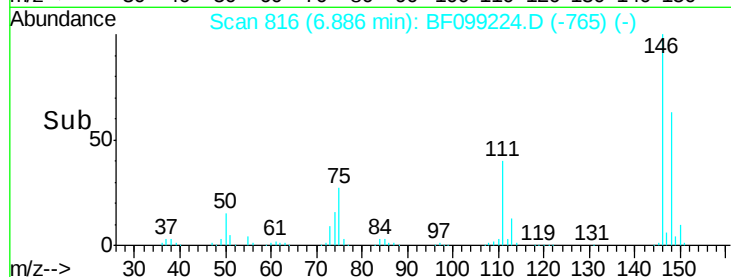
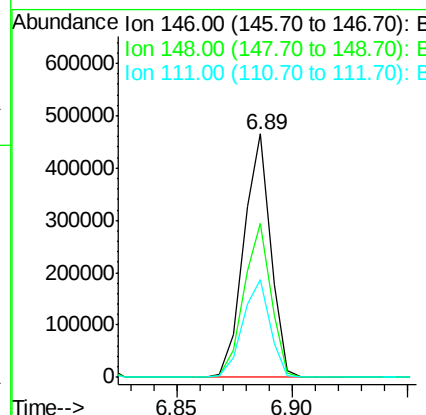
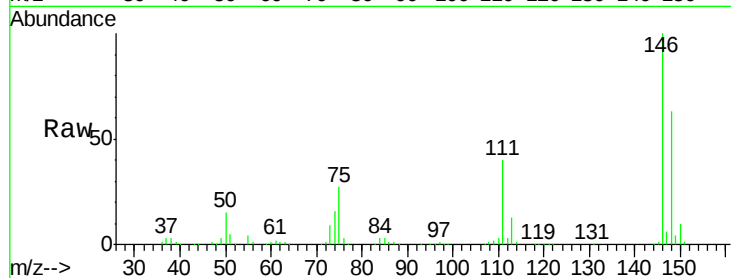




#13  
 1,4-Dichlorobenzene  
 Concen: 37.61 ng  
 RT: 6.89 min Scan# 816  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

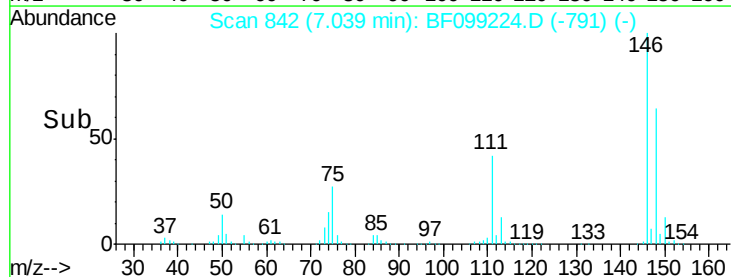
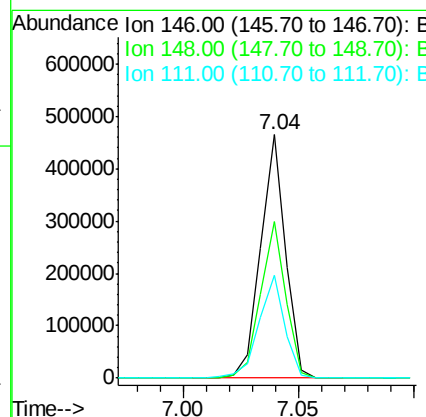
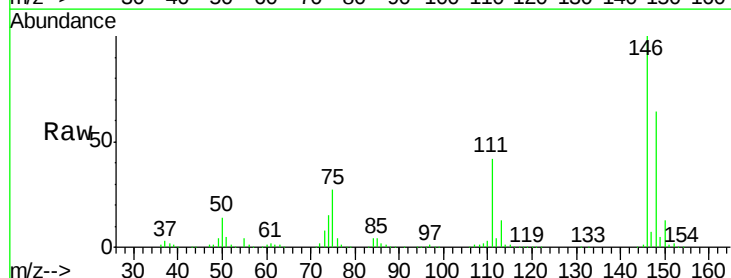
Instrument :  
 BNA\_F  
 ClientSampleId :

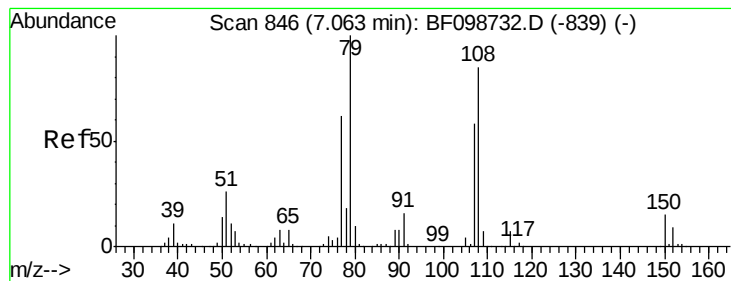
Tot Ion:146 Resp: 378389  
 Ion Ratio Lower Upper  
 146 100  
 148 63.0 50.8 76.2  
 111 40.1 34.2 51.2



#14  
 1,2-Dichlorobenzene  
 Concen: 37.73 ng  
 RT: 7.04 min Scan# 842  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

Tgt Ion:146 Resp: 350676  
 Ion Ratio Lower Upper  
 146 100  
 148 64.4 50.6 75.8  
 111 42.3 36.0 54.0





#15

Benzyl Alcohol

Concen: 37.03 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampled :

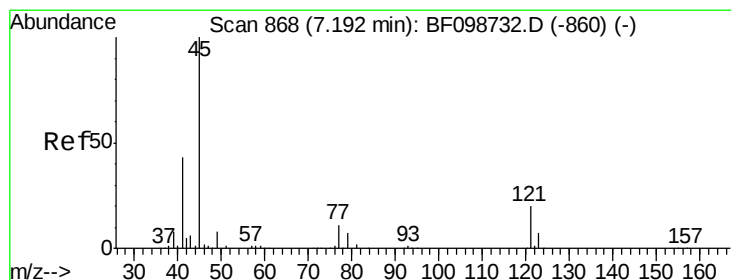
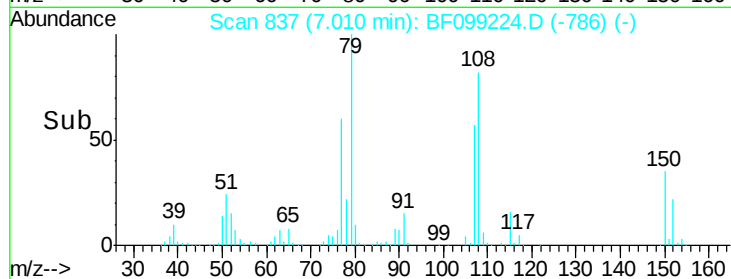
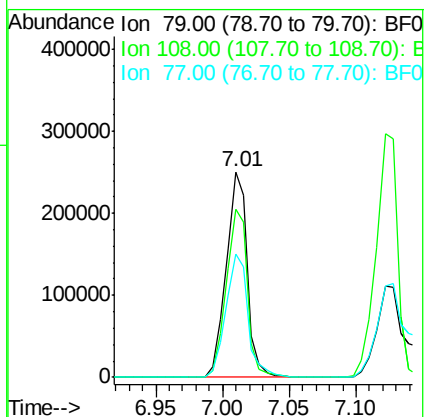
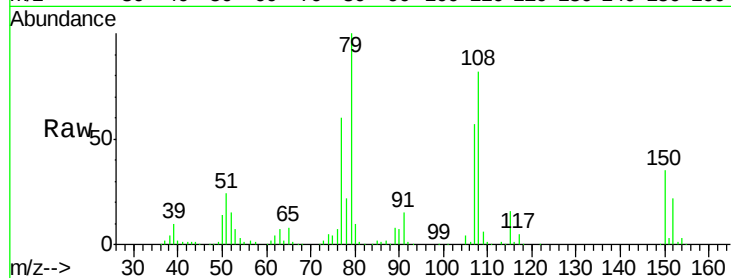
Tot Ion: 79 Resp: 279420

Ion Ratio Lower Upper

79 100

108 81.6 65.1 97.7

77 60.3 50.6 75.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.02 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

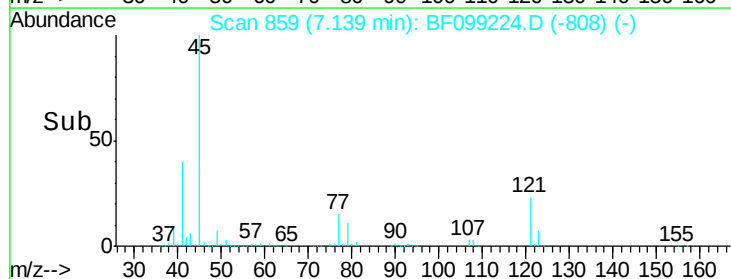
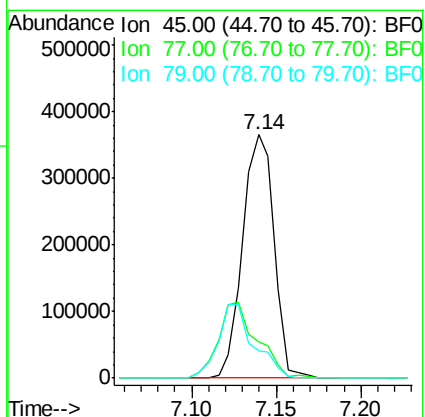
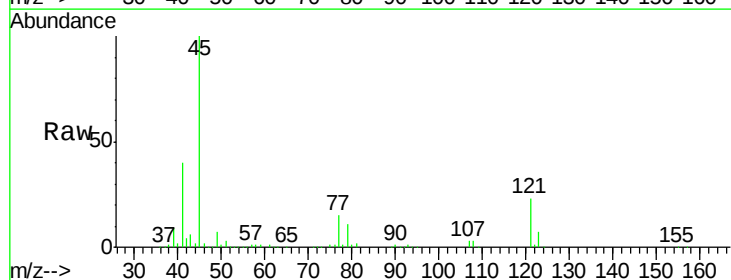
Tgt Ion: 45 Resp: 473902

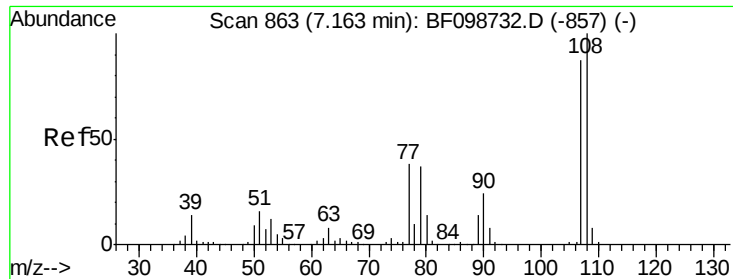
Ion Ratio Lower Upper

45 100

77 14.8 0.0 32.9

79 11.2 0.0 29.6

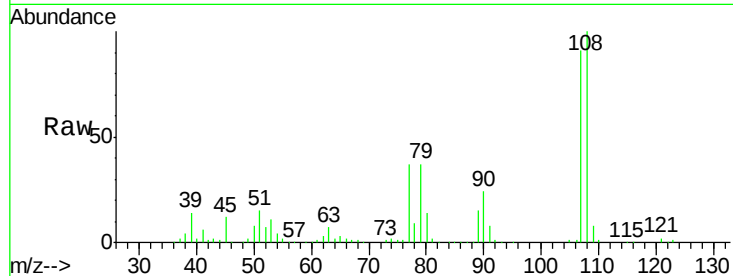




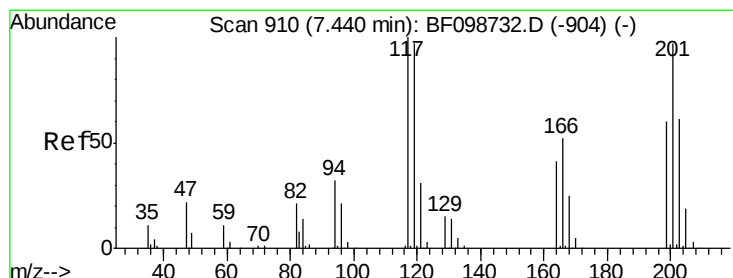
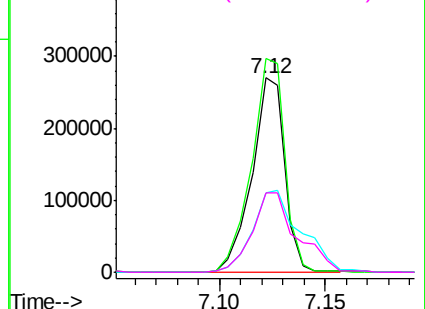
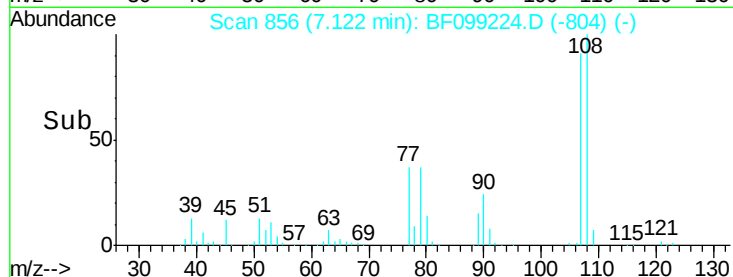
#17  
2-Methylphenol  
Concen: 37.96 ng  
RT: 7.12 min Scan# 856  
Delta R.T. 0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:107 Resp: 293261  
Ion Ratio Lower Upper  
107 100  
108 109.9 91.7 137.5  
77 41.0 33.8 50.8  
79 41.0 33.8 50.8

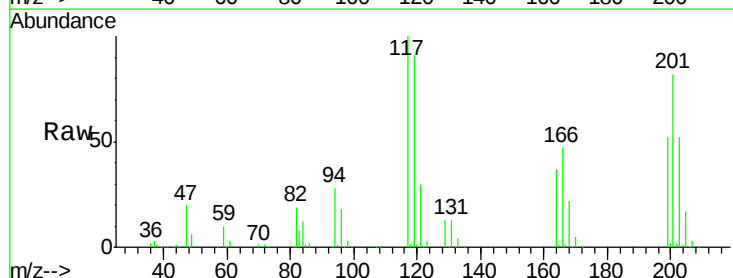


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

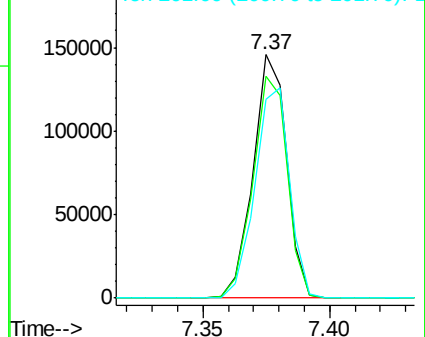
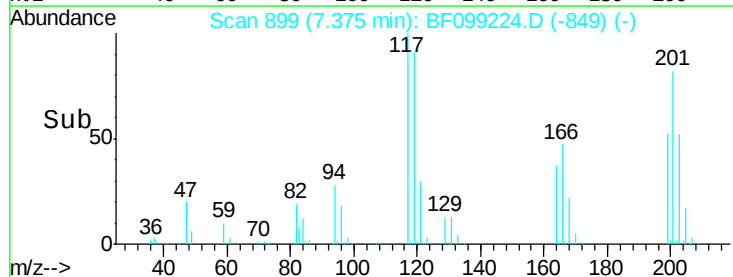


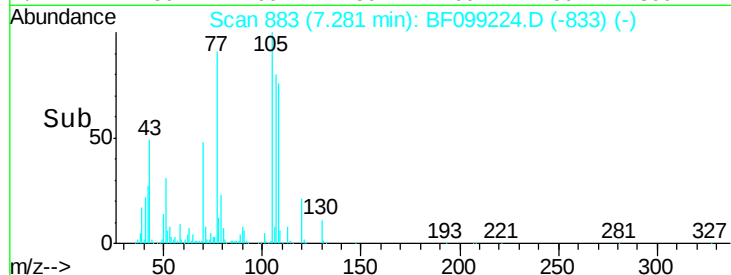
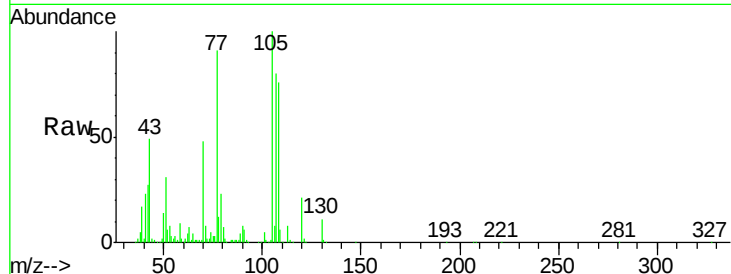
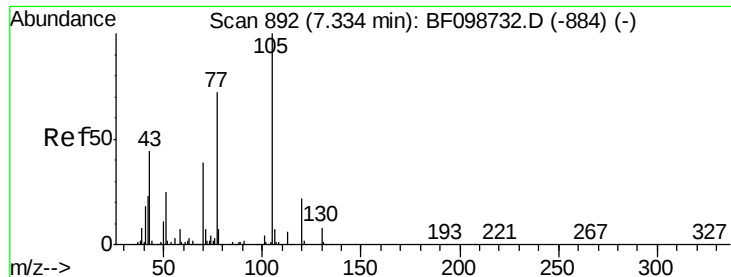
#18  
Hexachloroethane  
Concen: 37.20 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:117 Resp: 134515  
Ion Ratio Lower Upper  
117 100  
119 91.0 75.8 113.8  
201 81.9 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

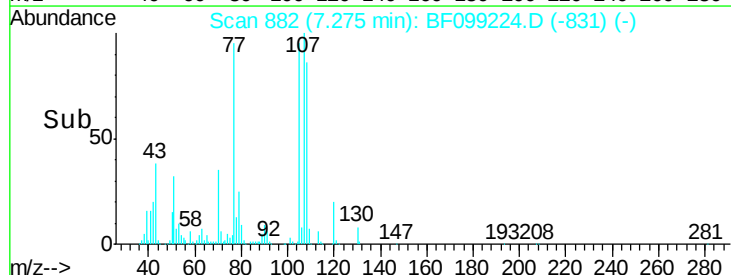
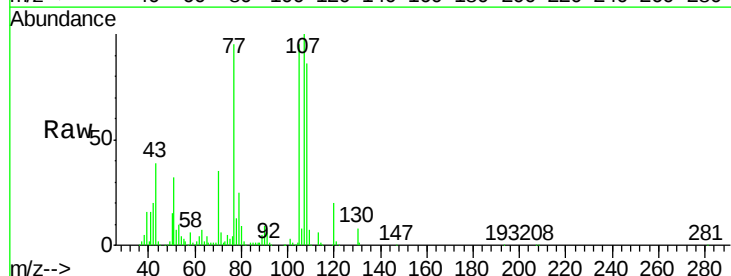
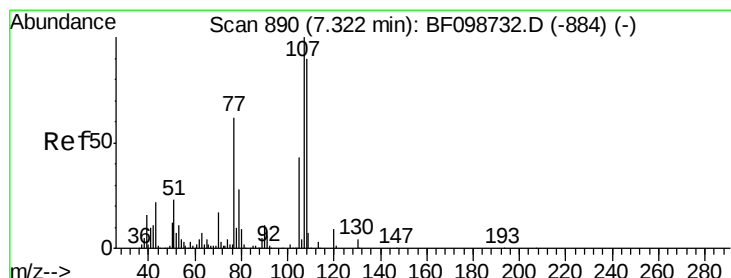
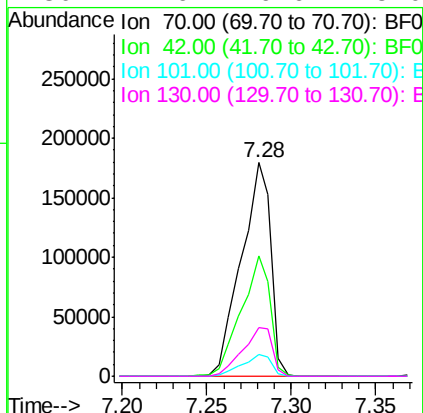




#19  
n-Nitroso-di-n-propylamine  
Concen: 33.46 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

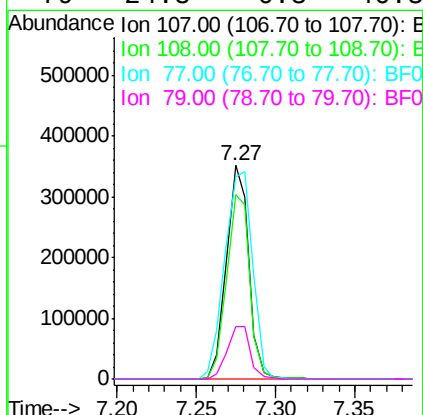
Instrument :  
BNA\_F  
ClientSampleId :

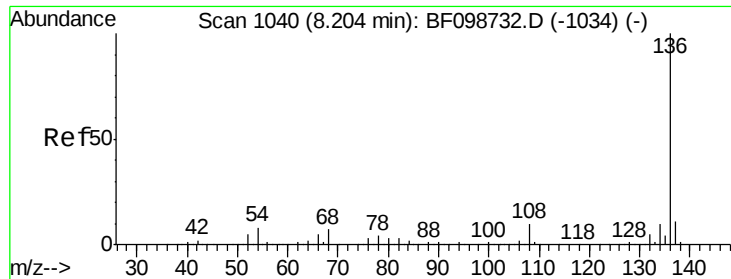
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 56.4  | 47.5  | 71.3  |
| 101     | 10.5  | 7.4   | 11.2  |
| 130     | 22.6  | 16.6  | 25.0  |



#20  
3+4-Methylphenols  
Concen: 35.11 ng  
RT: 7.27 min Scan# 882  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 86.3  | 68.2  | 108.2 |
| 77      | 94.9  | 26.7  | 66.7# |
| 79      | 24.8  | 6.3   | 46.3  |

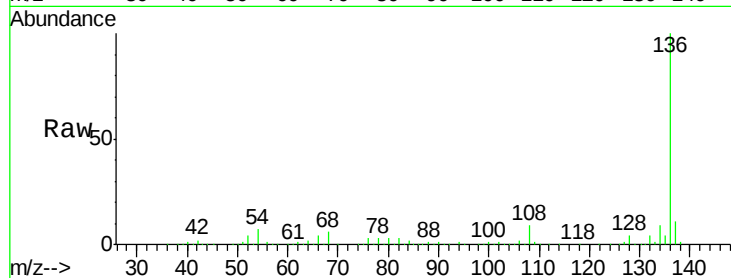




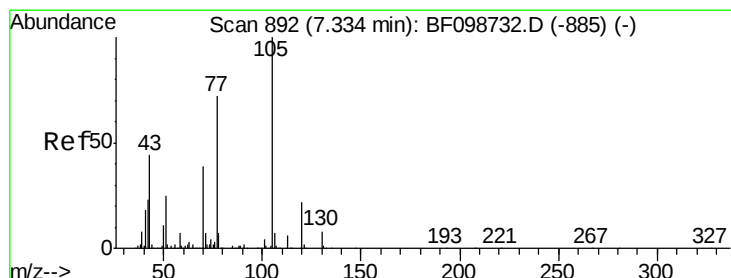
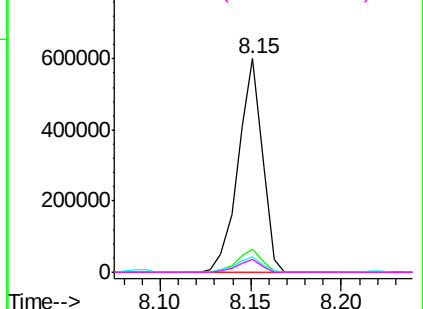
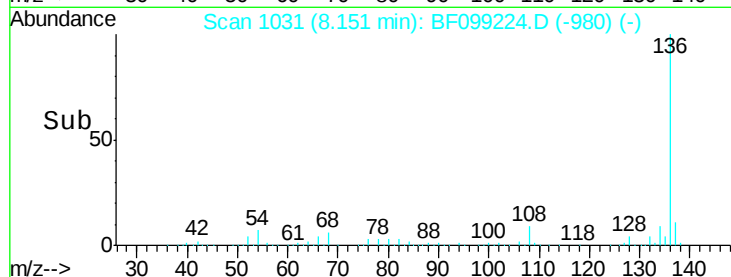
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Instrument :  
BNA\_F  
ClientSampled :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 552617   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.1  | 8.9 13.3 |
| 54          | 7.2   | 6.6 9.8  |
| 68          | 6.0   | 5.0 7.4  |

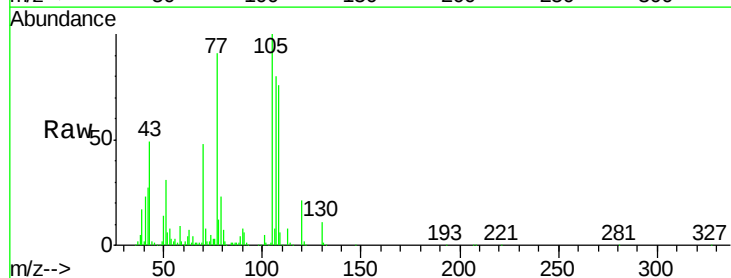


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

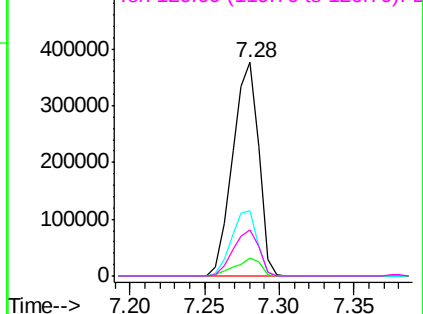
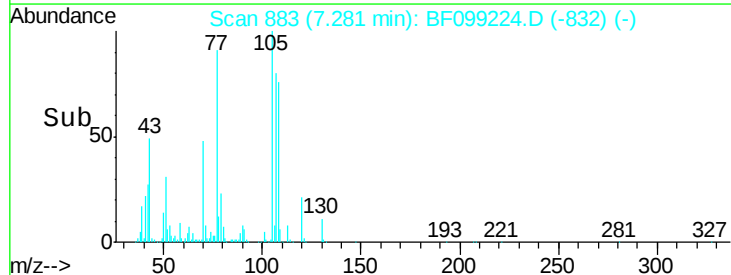


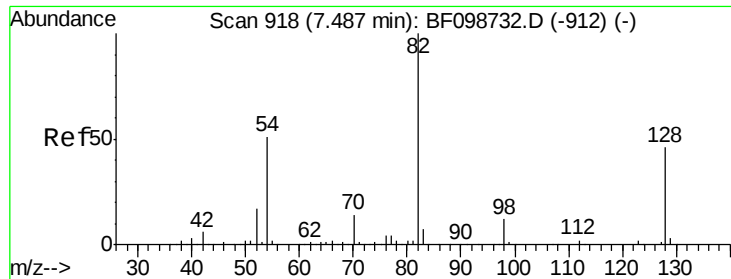
#22  
Acetophenone  
Concen: 34.33 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 459609    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 8.4   | 4.4 6.6#  |
| 51          | 30.8  | 22.3 33.5 |
| 120         | 21.4  | 16.9 25.3 |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 120.00 (119.70 to 120.70): E

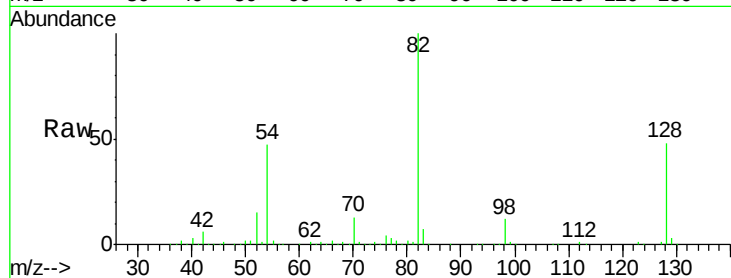




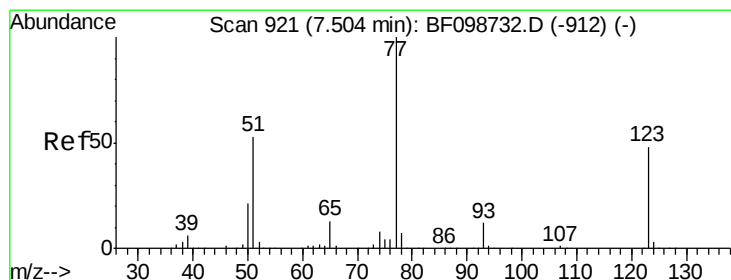
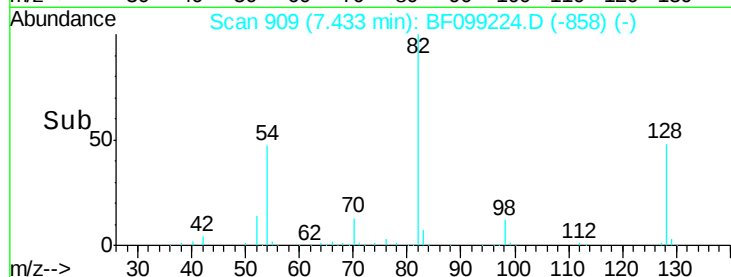
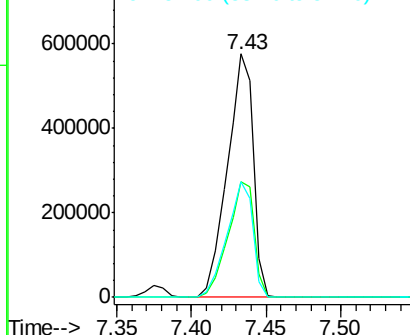
#23  
 Nitrobenzene-d5  
 Concen: 81.74 ng  
 RT: 7.43 min Scan# 909  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion   | 82   | Resp  | 704386 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 47.5 | 36.1  | 54.1   |
| 54        | 47.2 | 41.4  | 62.2   |

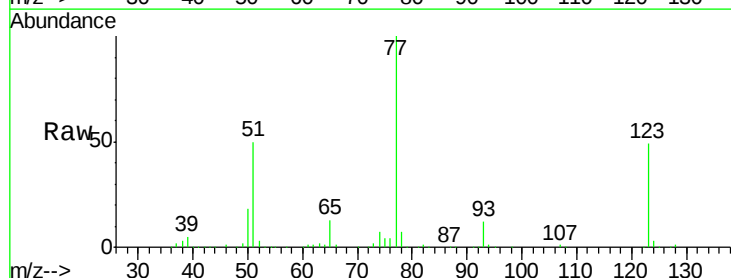


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

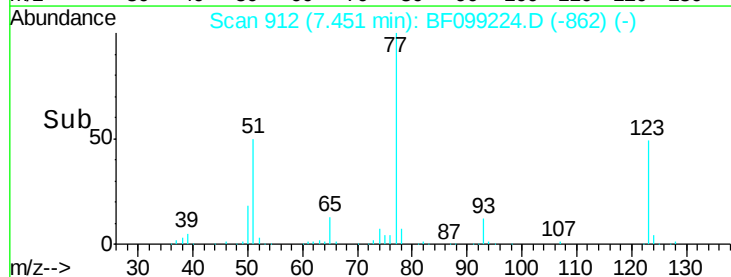
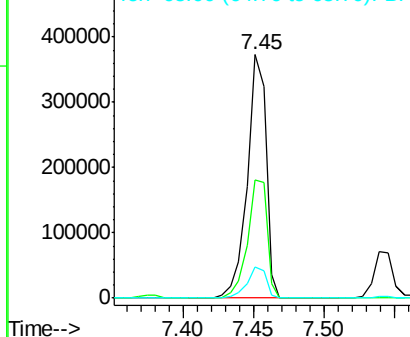


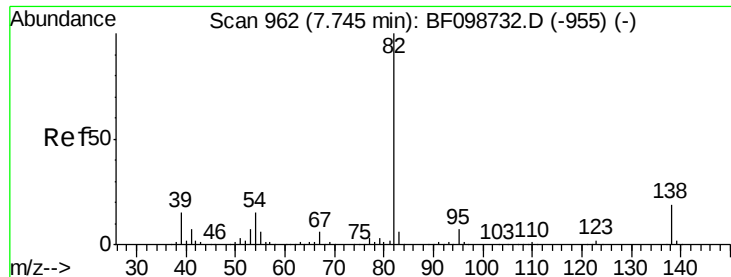
#24  
 Nitrobenzene  
 Concen: 35.77 ng  
 RT: 7.45 min Scan# 912  
 Delta R.T. -0.01 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

| Tgt Ion   | 77   | Resp  | 349610 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 48.7 | 37.9  | 56.9   |
| 65        | 12.9 | 11.0  | 16.4   |



Abundance Ion 77.00 (76.70 to 77.70): BF0  
 Ion 123.00 (122.70 to 123.70): B  
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 36.26 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampleId :

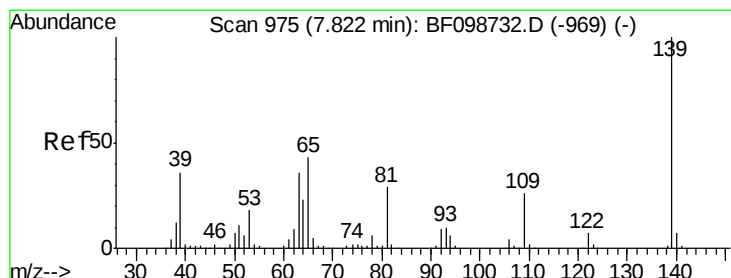
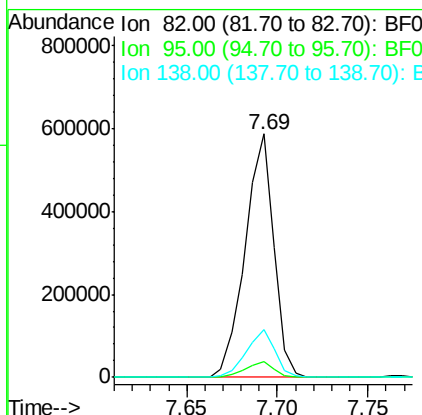
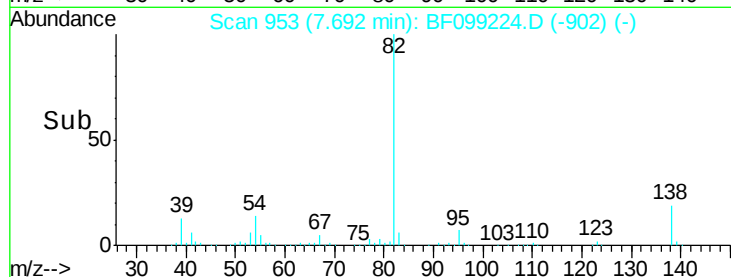
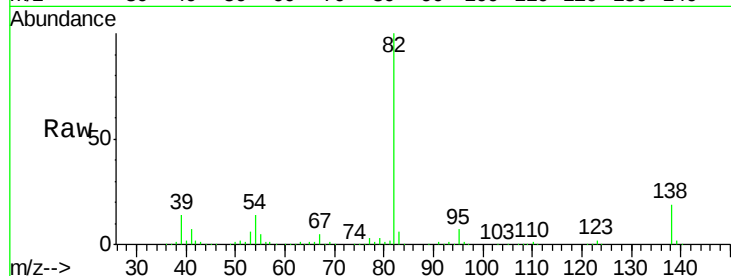
Tot Ion: 82 Resp: 645989

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

138 19.5 14.9 22.3



#26

2-Nitrophenol

Concen: 42.52 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

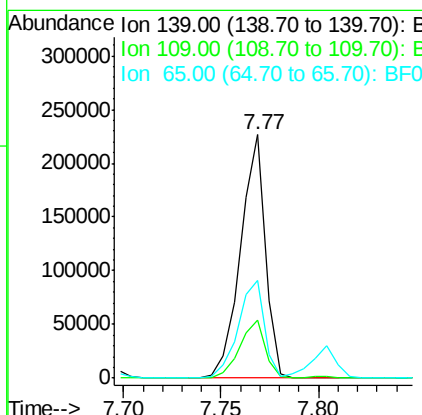
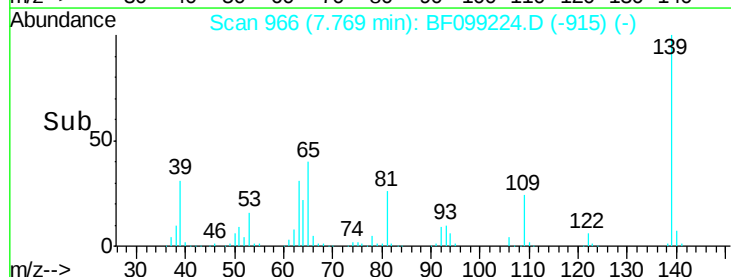
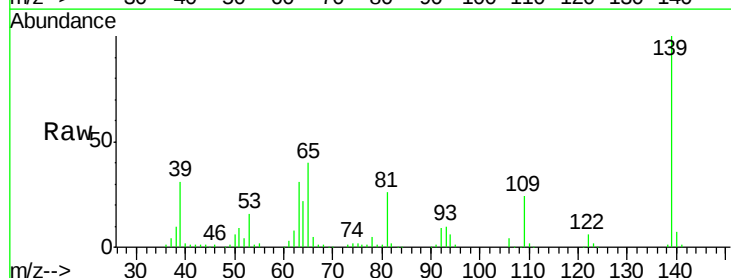
Tgt Ion: 139 Resp: 199854

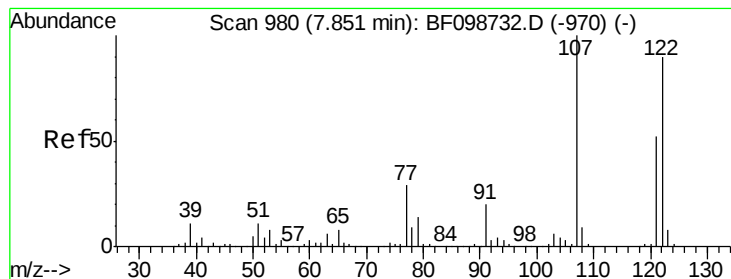
Ion Ratio Lower Upper

139 100

109 23.9 22.7 34.1

65 40.1 40.5 60.7#





#27

2,4-Dimethylphenol

Concen: 35.57 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampled :

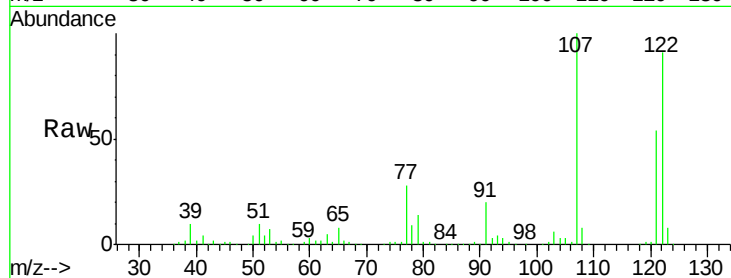
Tot Ion:122 Resp: 315769

Ion Ratio Lower Upper

122 100

107 110.2 91.2 136.8

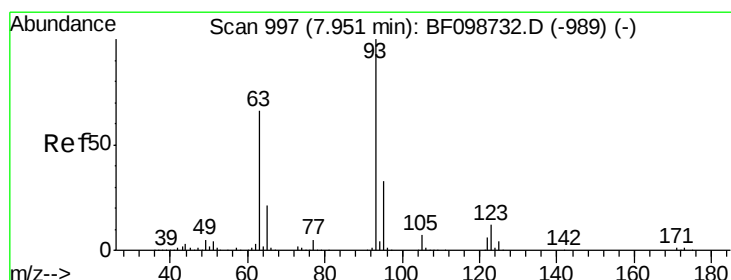
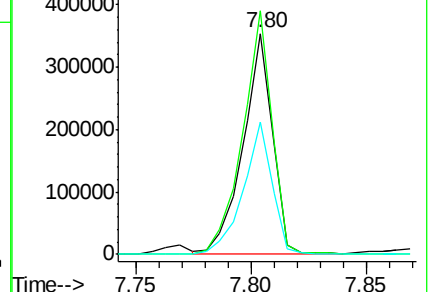
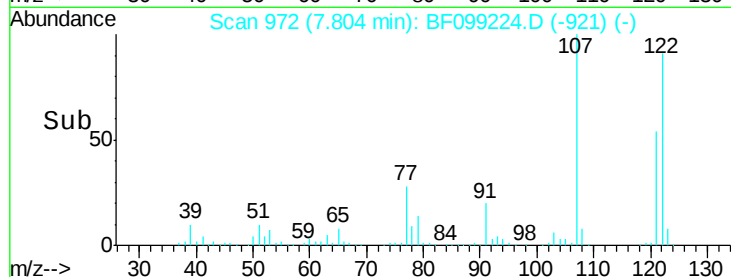
121 59.6 47.2 70.8



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: 37.35 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

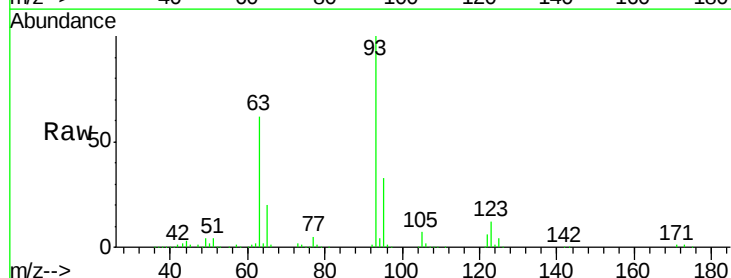
Tgt Ion: 93 Resp: 414673

Ion Ratio Lower Upper

93 100

95 32.5 26.3 39.5

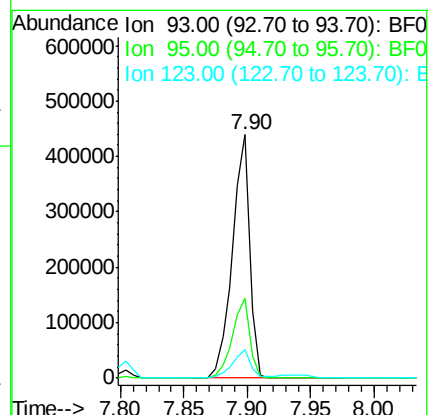
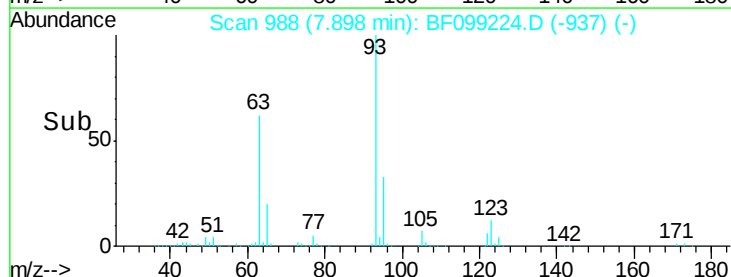
123 11.9 9.8 14.6

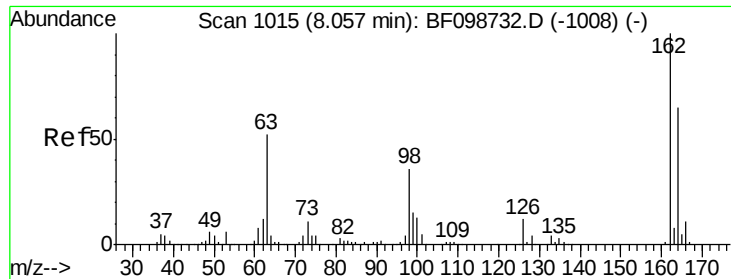


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

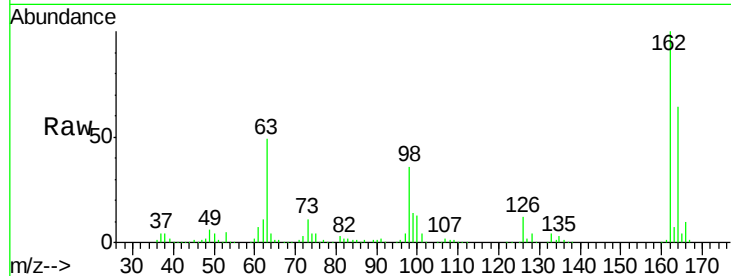




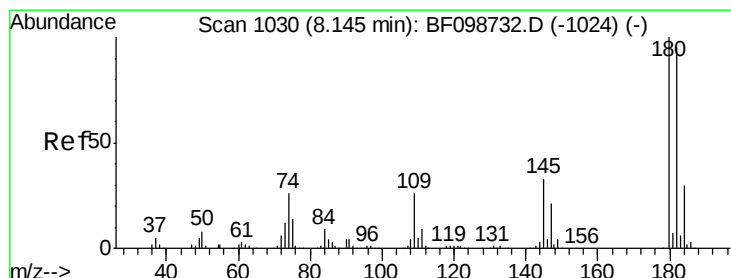
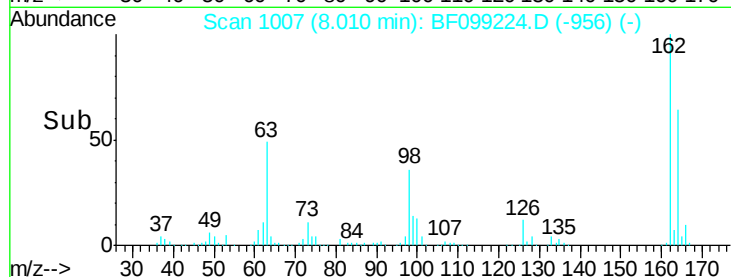
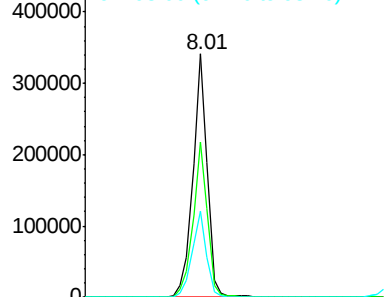
#29  
 2,4-Dichlorophenol  
 Concen: 38.67 ng  
 RT: 8.01 min Scan# 1007  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:162 Resp: 294736  
 Ion Ratio Lower Upper  
 162 100  
 164 63.8 42.7 82.7  
 98 35.5 18.1 58.1

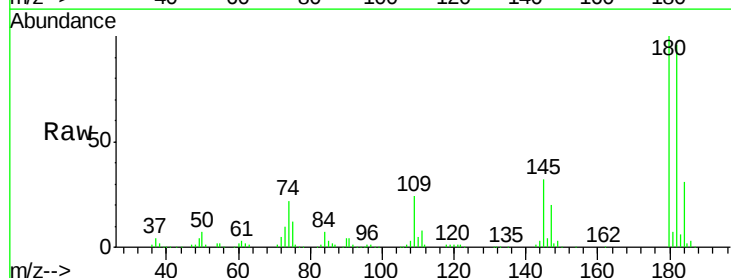


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

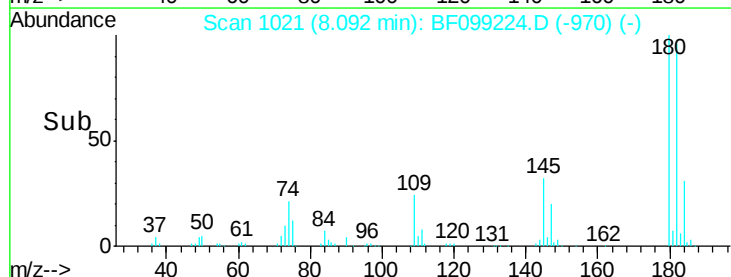
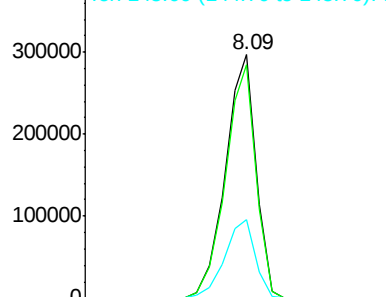


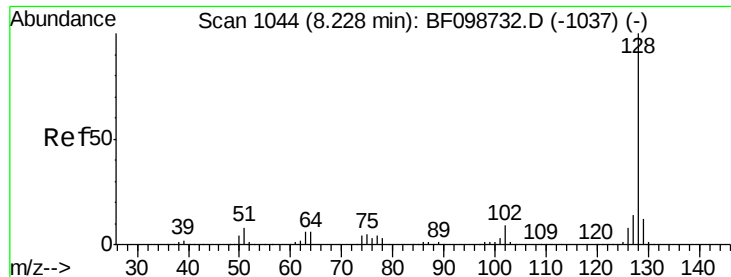
#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.04 ng  
 RT: 8.09 min Scan# 1021  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

Tgt Ion:180 Resp: 297622  
 Ion Ratio Lower Upper  
 180 100  
 182 95.9 76.8 115.2  
 145 32.0 26.5 39.7



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

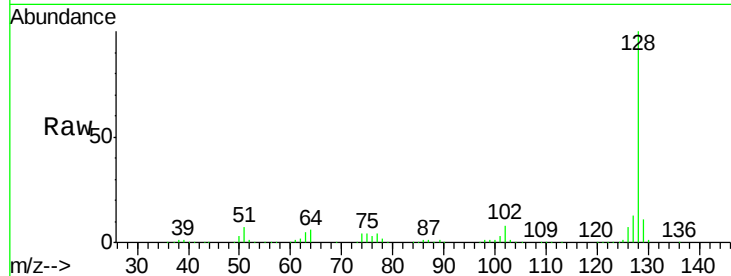




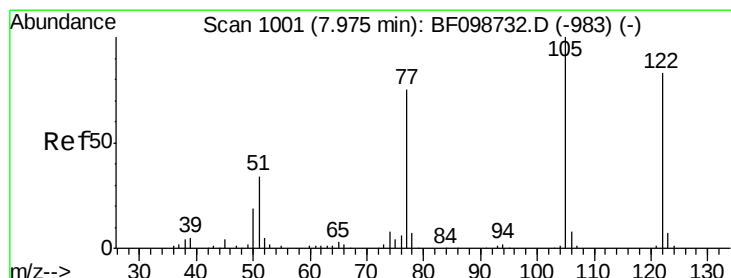
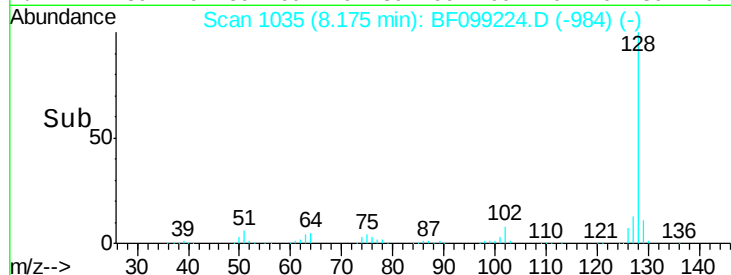
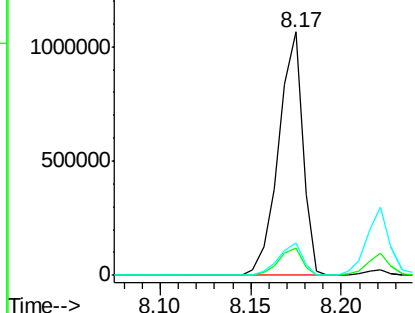
#31  
Naphthalene  
Concen: 38.14 ng  
RT: 8.17 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:128 Resp: 989806  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.8 13.2  
127 13.3 10.9 16.3

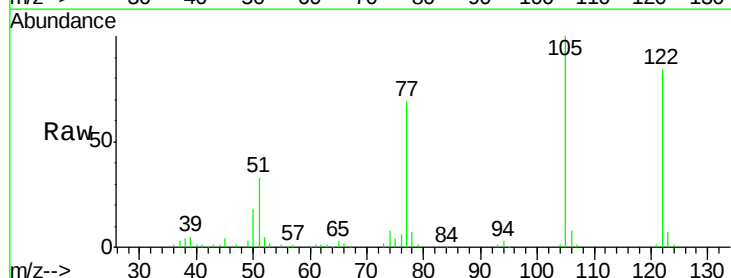


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

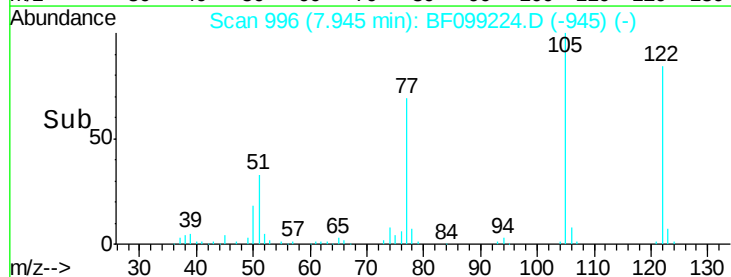
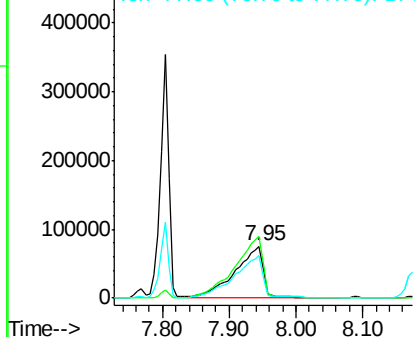


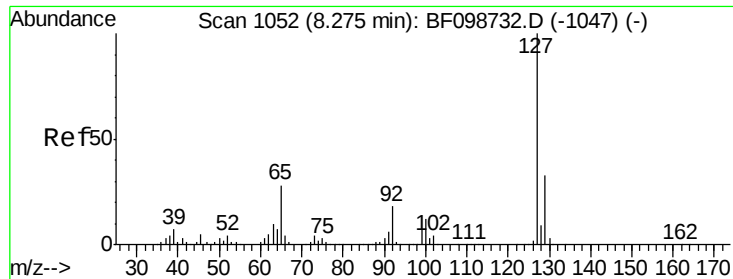
#32  
Benzoic acid  
Concen: 30.19 ng  
RT: 7.95 min Scan# 996  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:122 Resp: 220120  
Ion Ratio Lower Upper  
122 100  
105 119.1 101.1 141.1  
77 82.1 70.7 110.7



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): BF0

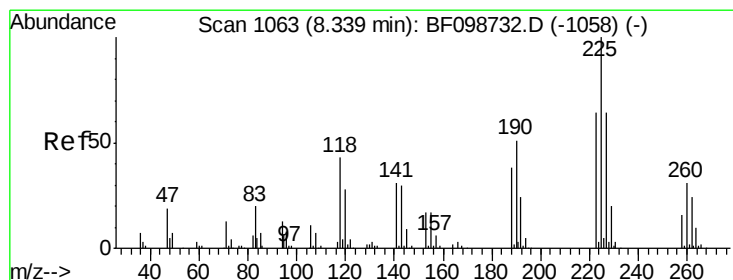
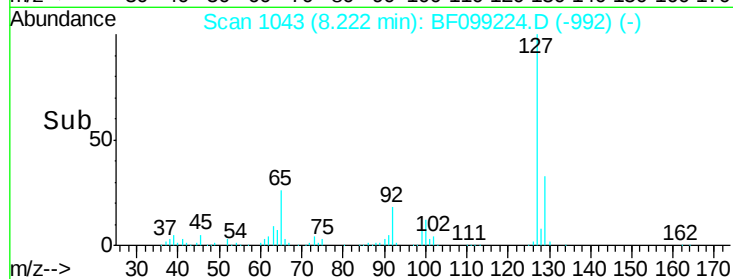
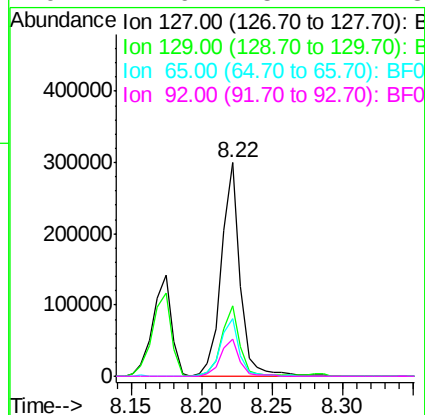
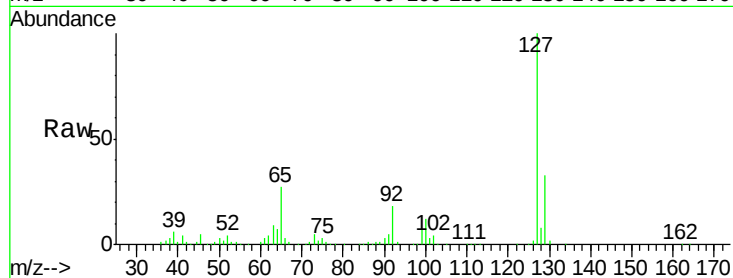




#33  
4-Chloroaniline  
Concen: 25.29 ng  
RT: 8.22 min Scan# 1043  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

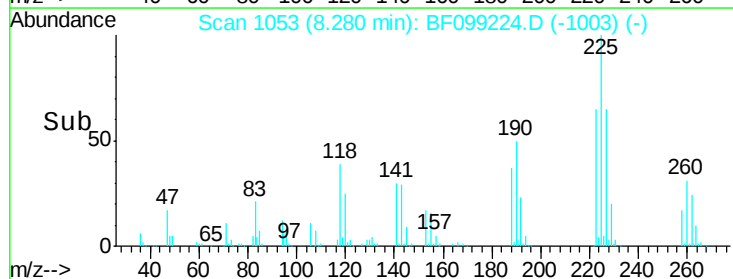
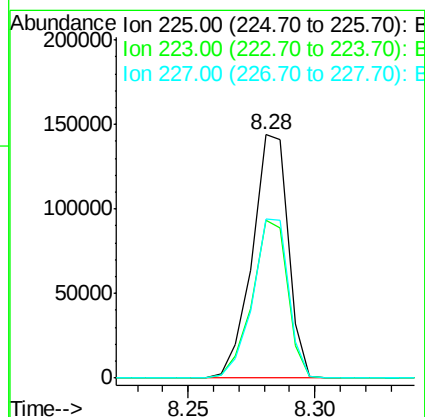
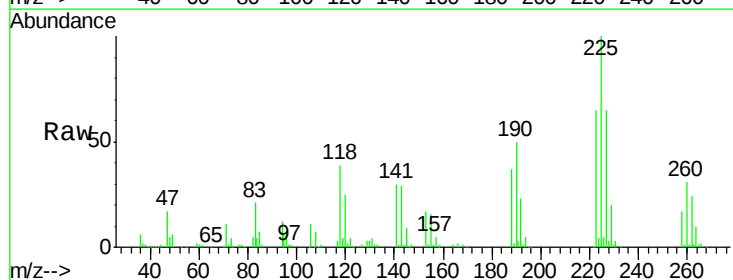
Instrument :  
BNA\_F  
ClientSampled :

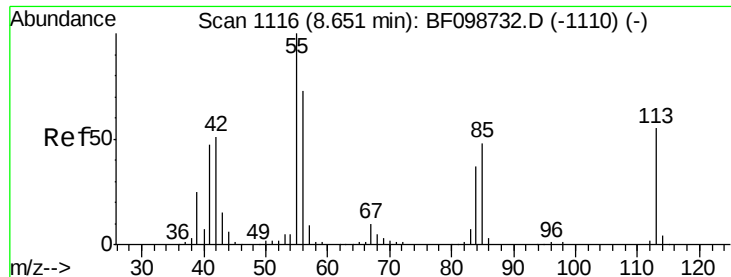
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 274080 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.2  | 25.9  | 38.9   |
| 65       | 26.8  | 25.0  | 37.4   |
| 92       | 17.6  | 15.2  | 22.8   |



#34  
Hexachlorobutadiene  
Concen: 36.34 ng  
RT: 8.28 min Scan# 1053  
Delta R.T. -0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 142698 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.9  | 50.6  | 76.0   |
| 227      | 65.2  | 51.9  | 77.9   |

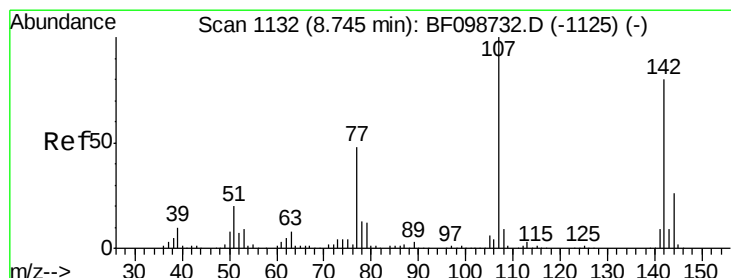
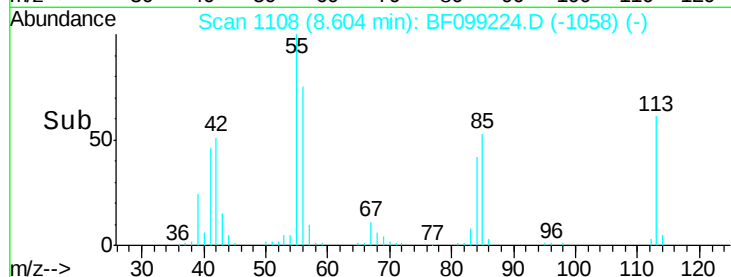
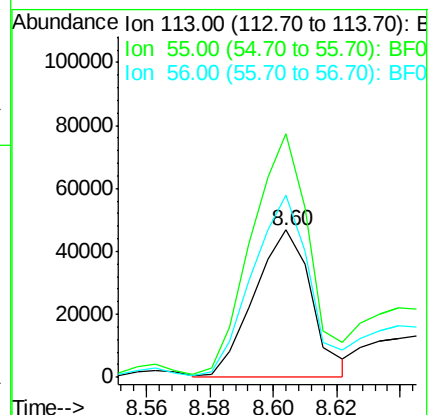
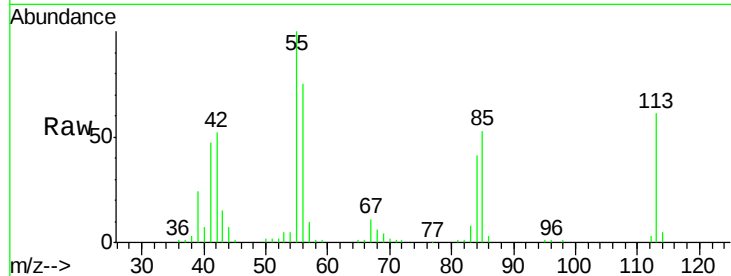




#35  
Caprolactam  
Concen: 24.13 ng  
RT: 8.60 min Scan# 1108  
Delta R.T. -0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

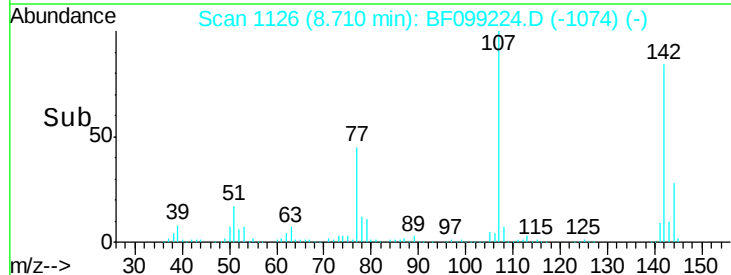
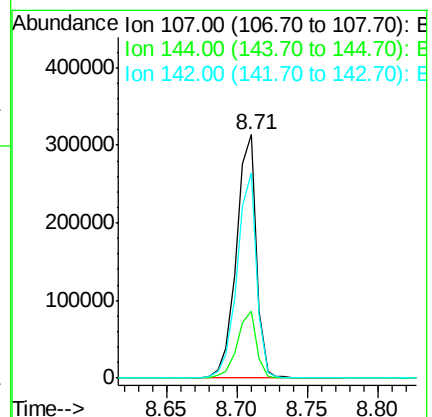
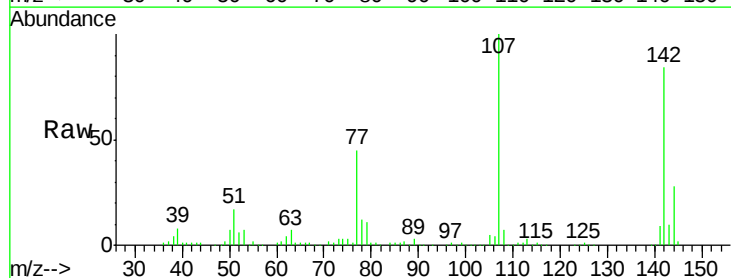
Instrument :  
BNA\_F  
ClientSampleId :

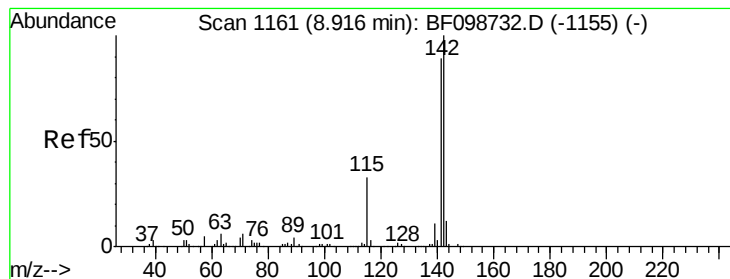
Tot Ion:113 Resp: 58999  
Ion Ratio Lower Upper  
113 100  
55 165.2 163.3 203.3  
56 123.5 115.7 155.7



#36  
4-Chloro-3-methylphenol  
Concen: 36.07 ng  
RT: 8.71 min Scan# 1126  
Delta R.T. 0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:107 Resp: 309022  
Ion Ratio Lower Upper  
107 100  
144 27.7 20.5 30.7  
142 84.4 62.0 93.0





#37

2-Methylnaphthalene

Concen: 40.45 ng

RT: 8.86 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampleId :

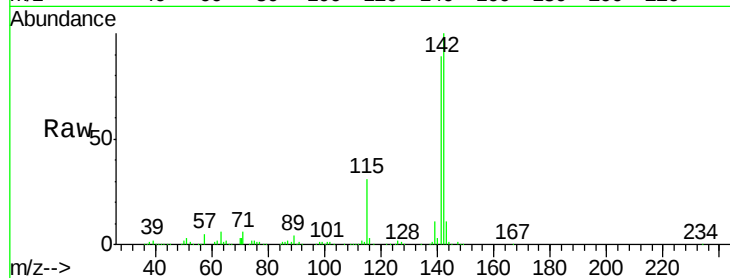
Tot Ion:142 Resp: 682515

Ion Ratio Lower Upper

142 100

141 88.8 70.8 106.2

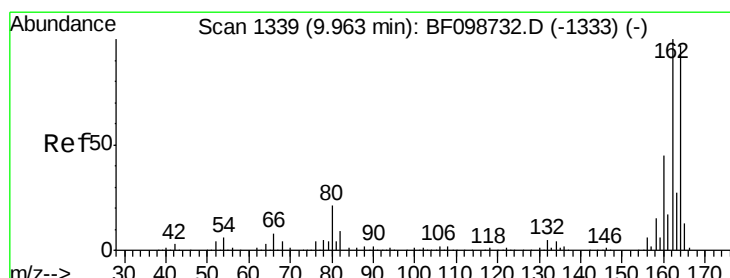
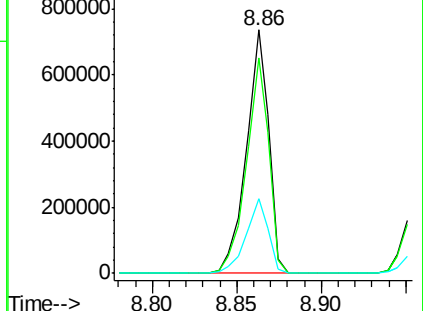
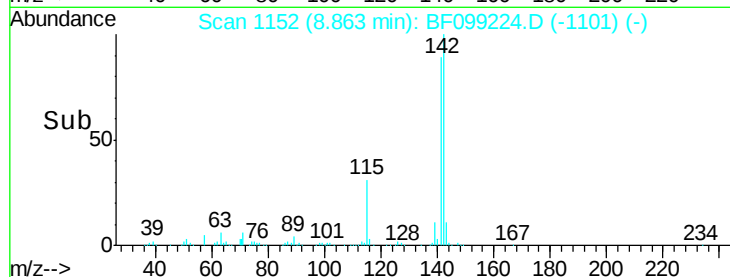
115 30.8 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.01 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

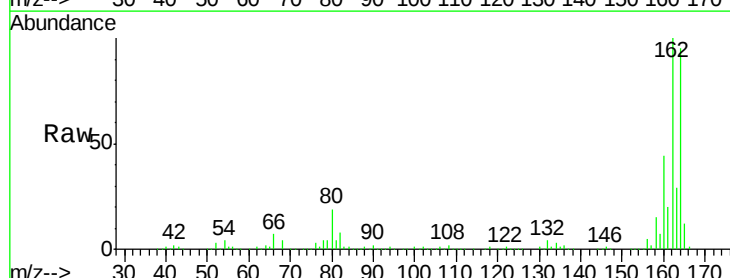
Tgt Ion:164 Resp: 252638

Ion Ratio Lower Upper

164 100

162 105.5 86.1 129.1

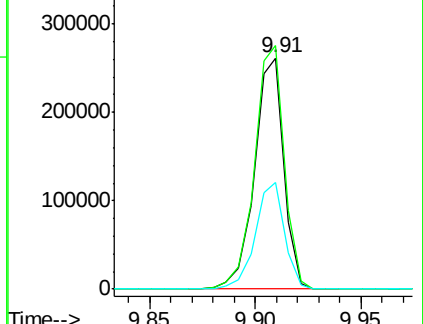
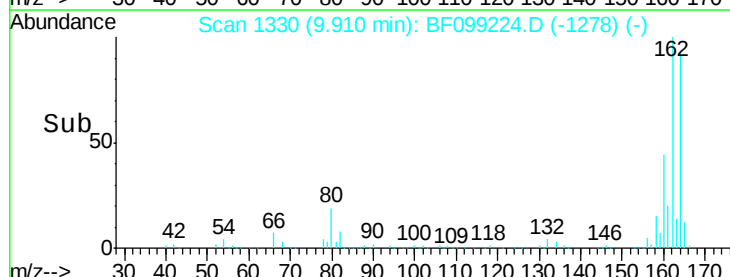
160 46.1 38.3 57.5

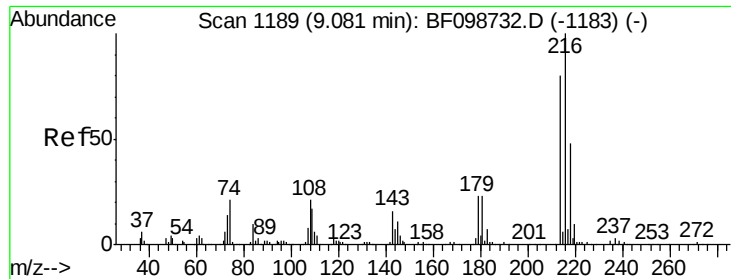


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

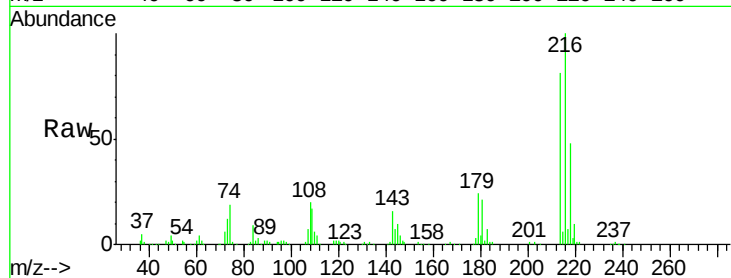




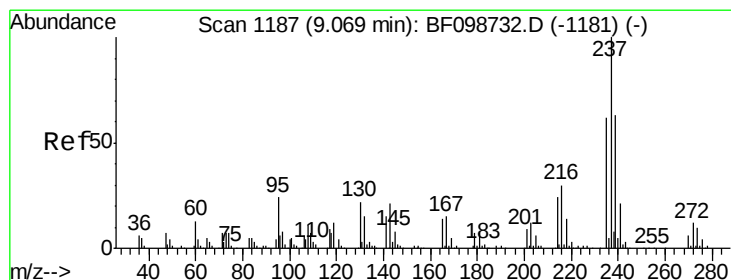
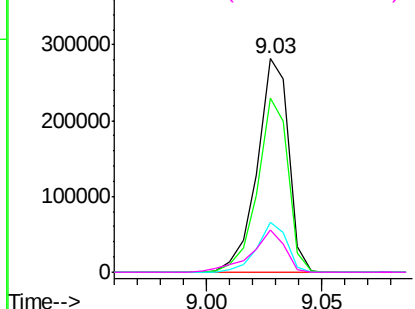
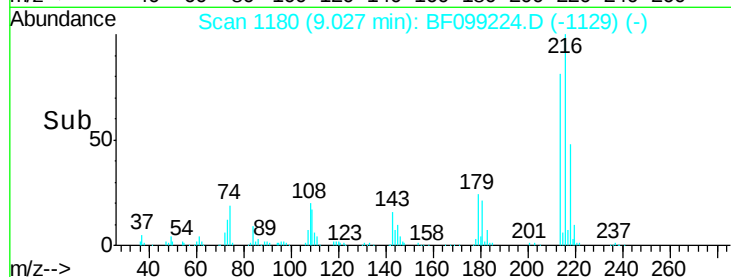
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 35.52 ng  
 RT: 9.03 min Scan# 1180  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:216 | Resp: | 267654    |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 79.3  | 63.0 94.4 |
| 179         | 22.3  | 18.1 27.1 |
| 108         | 21.4  | 17.2 25.8 |

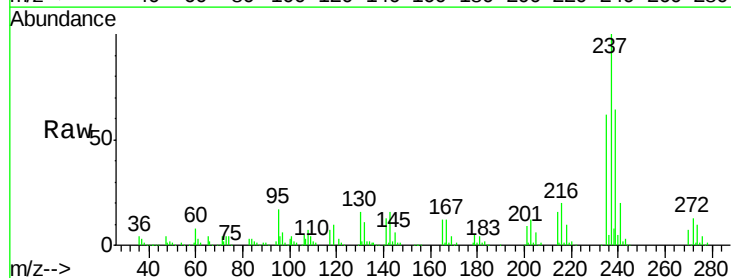


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

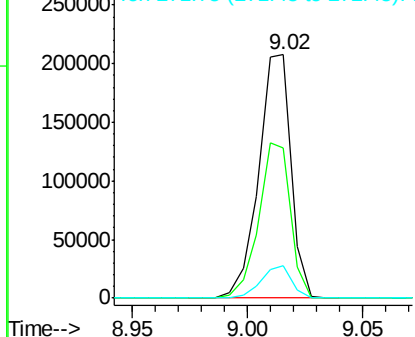
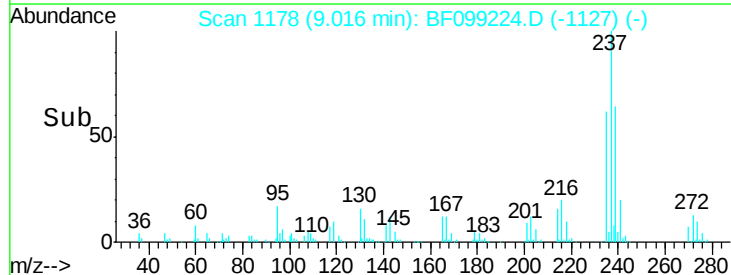


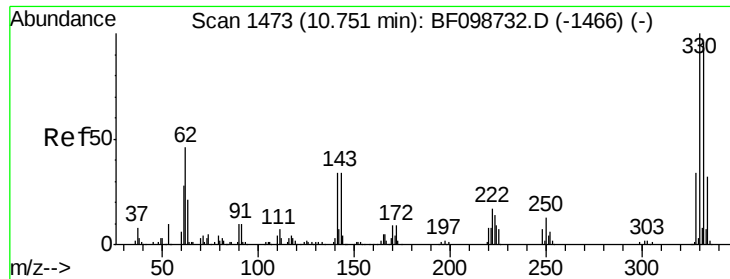
#40  
 Hexachlorocyclopentadiene  
 Concen: 59.09 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 203443    |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 61.7  | 44.8 84.8 |
| 272         | 13.4  | 0.0 33.3  |



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

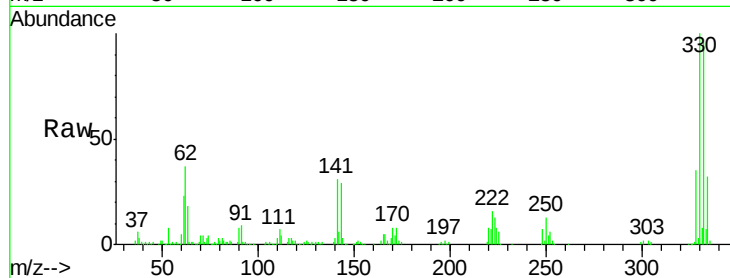




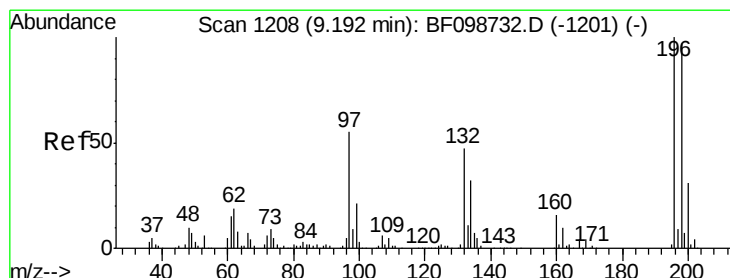
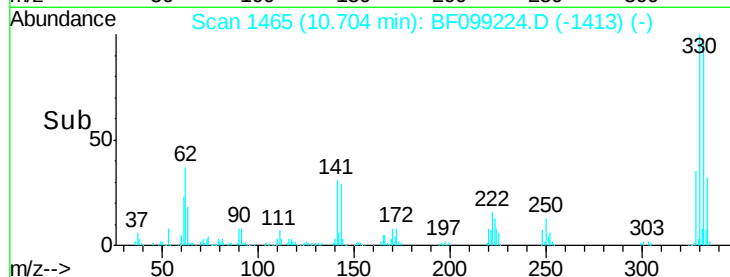
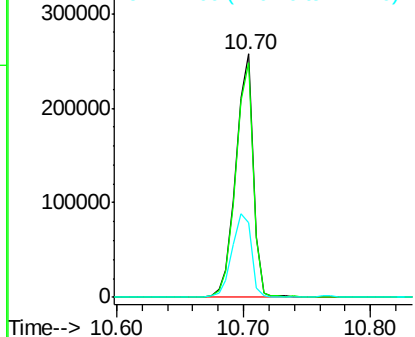
#41  
 2,4,6-Tribromophenol  
 Concen: 117.33 ng  
 RT: 10.70 min Scan# 1465  
 Delta R.T. 0.01 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 242552  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 77.0 115.6  
 141 38.4 29.9 44.9

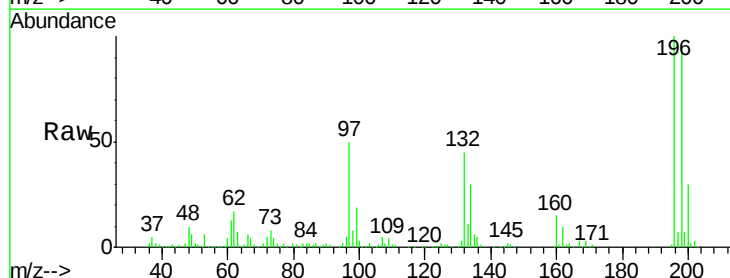


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

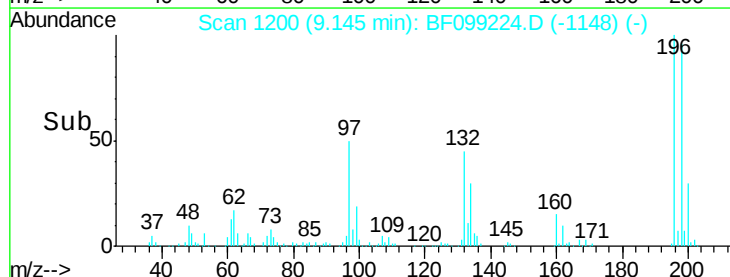
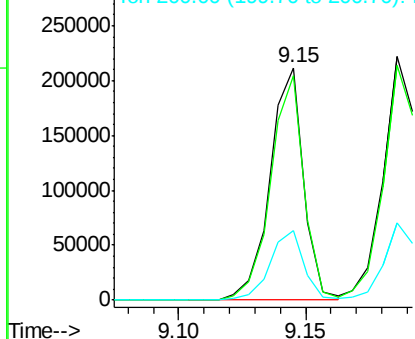


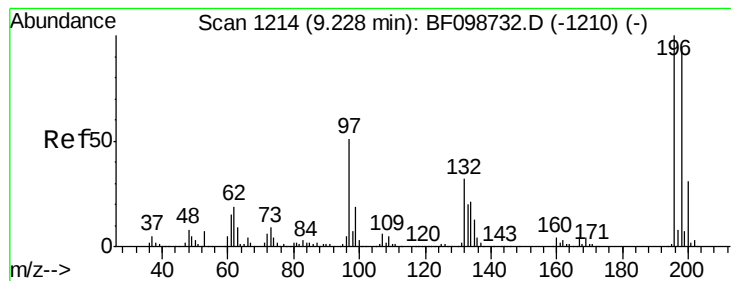
#42  
 2,4,6-Trichlorophenol  
 Concen: 36.92 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. 0.01 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

Tgt Ion:196 Resp: 197089  
 Ion Ratio Lower Upper  
 196 100  
 198 96.4 75.7 113.5  
 200 29.9 24.5 36.7



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





#43

2,4,5-Trichlorophenol

Concen: 38.19 ng

RT: 9.19 min Scan# 1207

Delta R.T. 0.01 min

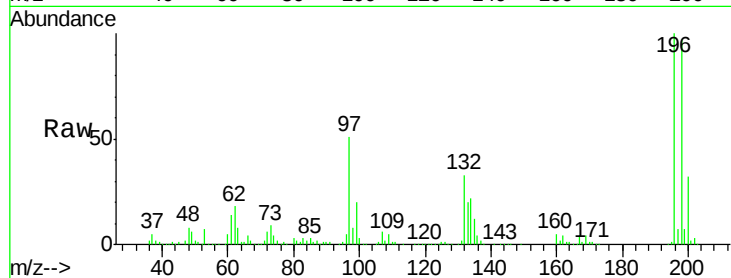
Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampleId :



Tot Ion:196 Resp: 203504

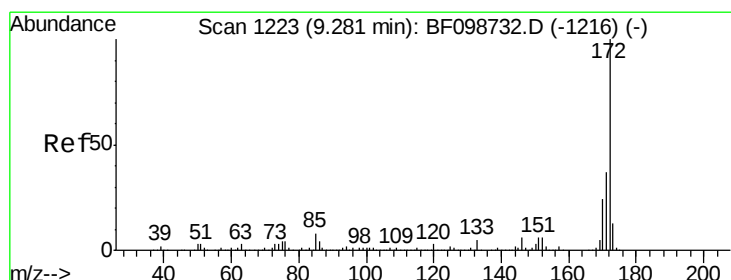
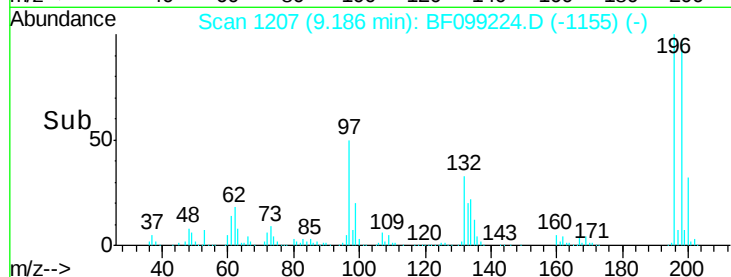
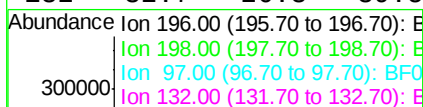
Ion Ratio Lower Upper

196 100

198 96.6 74.6 112.0

97 50.6 42.9 64.3

132 32.7 26.3 39.5



#44

2-Fluorobiphenyl

Concen: 83.05 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

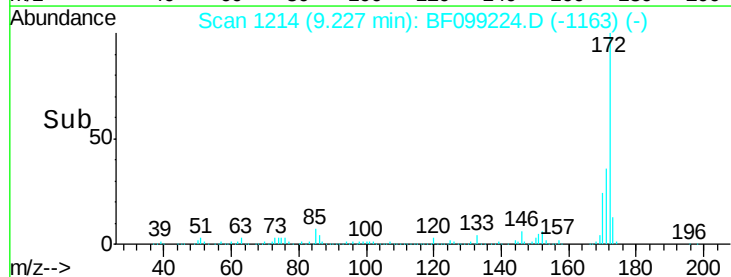
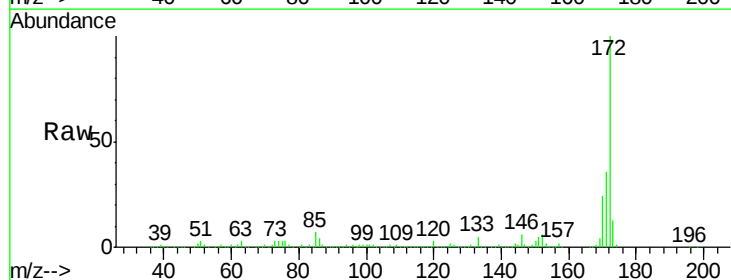
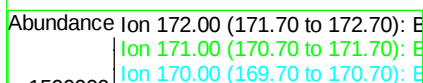
Tgt Ion:172 Resp: 1256783

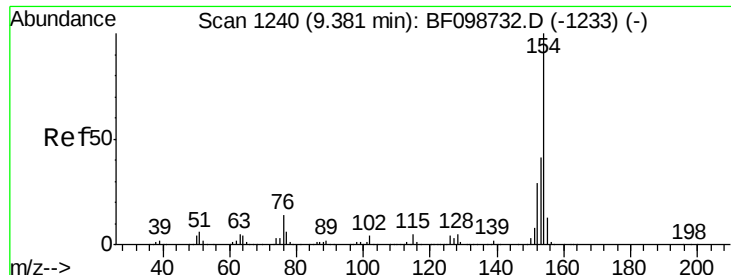
Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

170 24.1 19.6 29.4





#45

1,1'-Biphenyl

Concen: 35.83 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampleId :

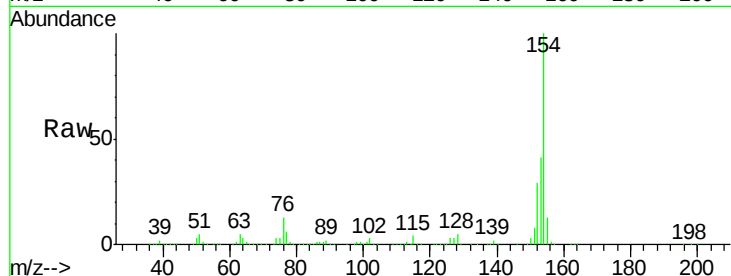
Tot Ion:154 Resp: 777896

Ion Ratio Lower Upper

154 100

153 41.2 21.3 61.3

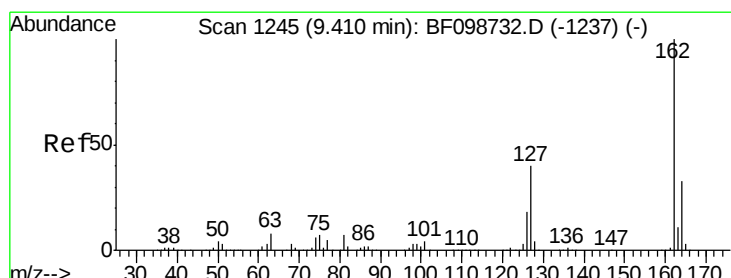
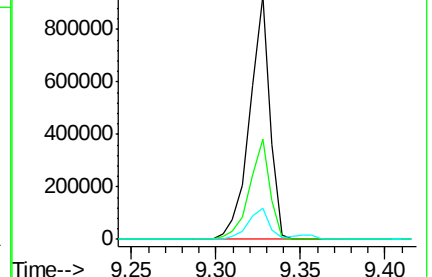
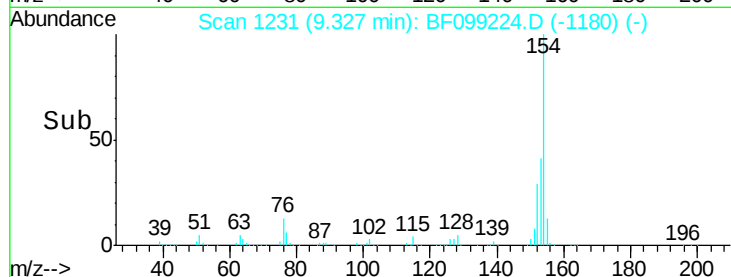
76 13.0 0.0 34.0



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): BF0



#46

2-Chloronaphthalene

Concen: 38.08 ng

RT: 9.36 min Scan# 1236

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

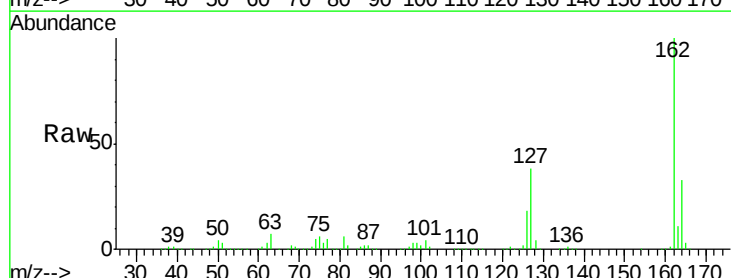
Tgt Ion:162 Resp: 620745

Ion Ratio Lower Upper

162 100

127 37.9 33.9 50.9

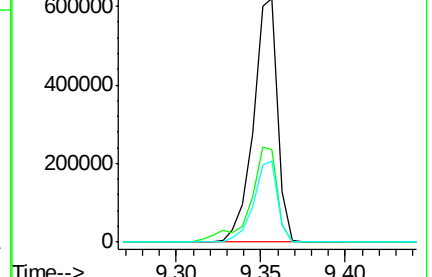
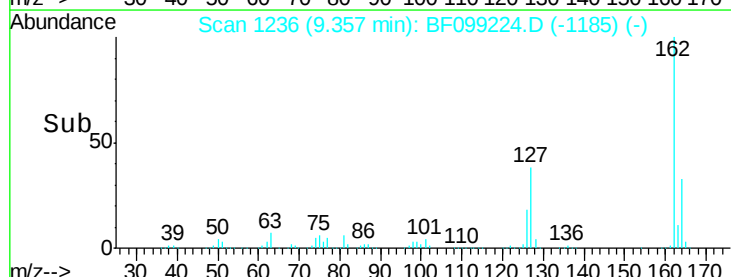
164 33.0 26.5 39.7

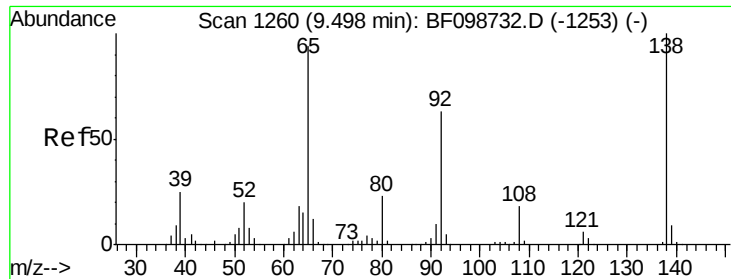


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

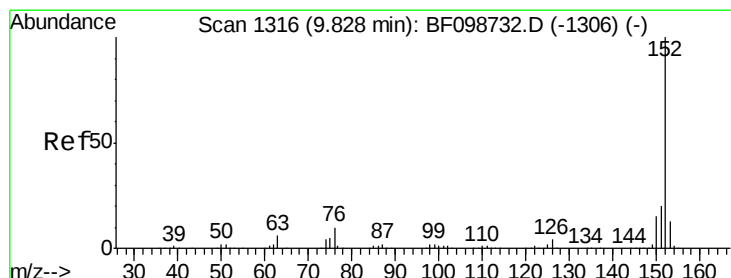
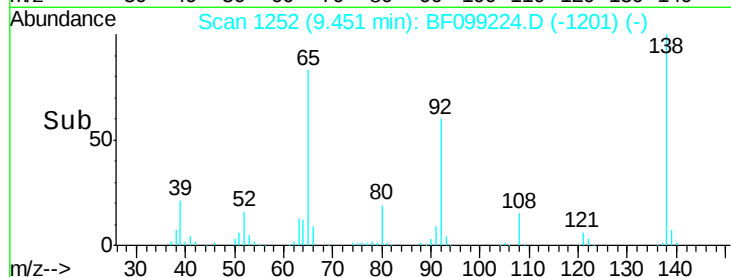
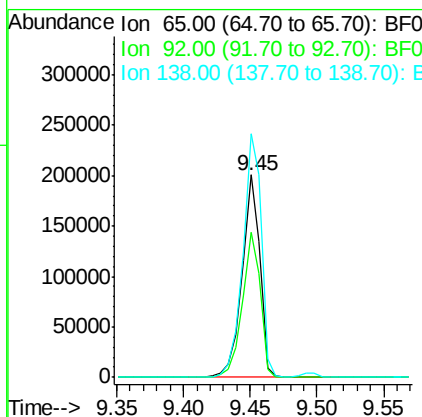
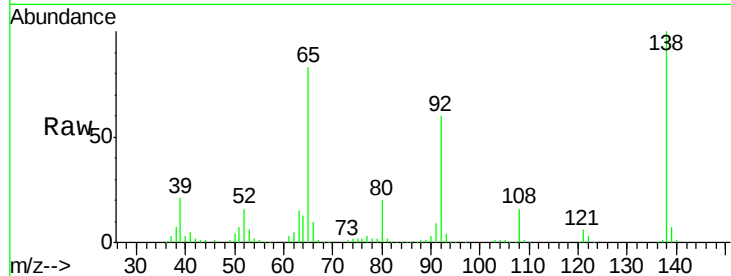




#47  
2-Nitroaniline  
Concen: 37.21 ng  
RT: 9.45 min Scan# 1252  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

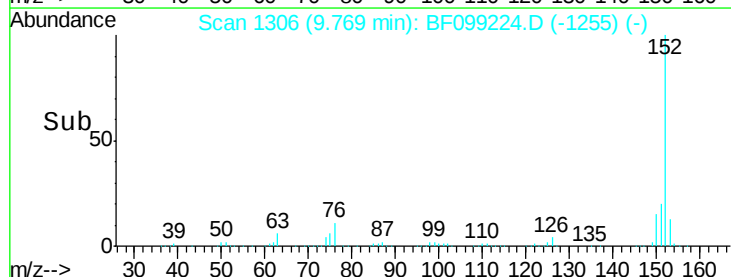
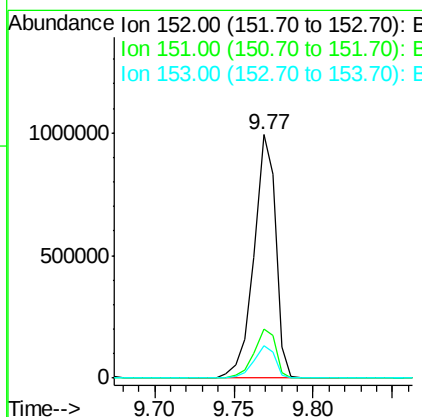
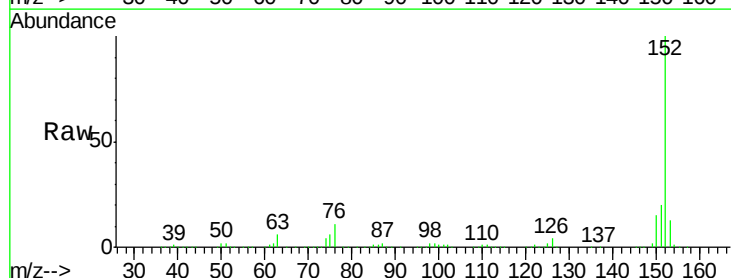
Instrument :  
BNA\_F  
ClientSampled :

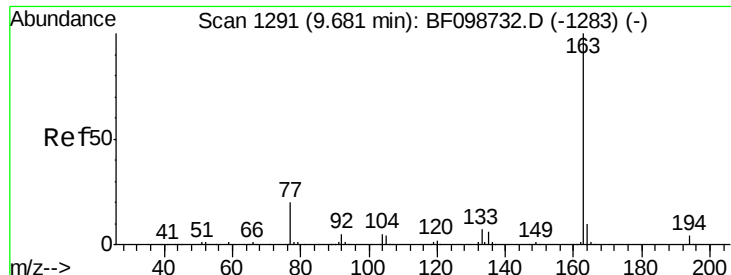
Tot Ion: 65 Resp: 185752  
Ion Ratio Lower Upper  
65 100  
92 71.9 55.8 83.6  
138 120.4 91.2 136.8



#48  
Acenaphthylene  
Concen: 38.02 ng  
RT: 9.77 min Scan# 1306  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion: 152 Resp: 948823  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.3 24.5  
153 13.4 10.7 16.1

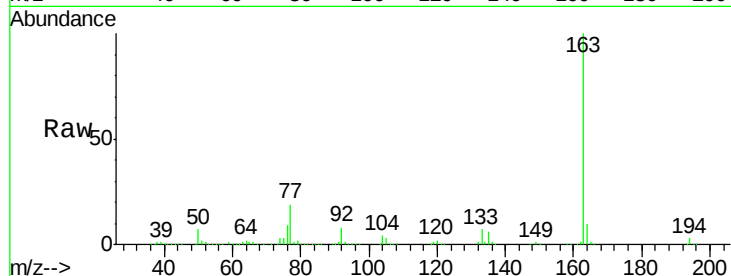




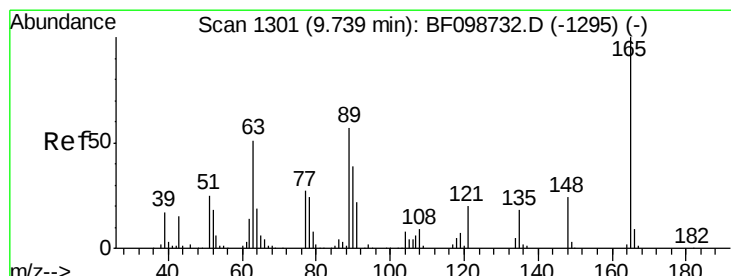
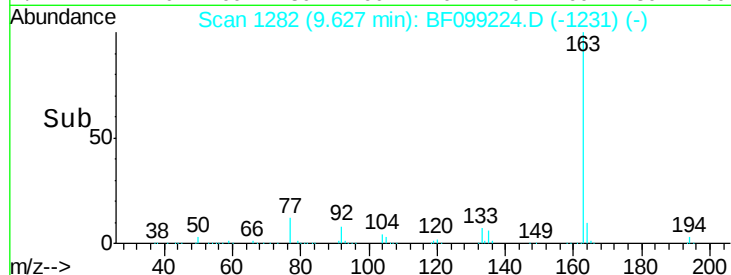
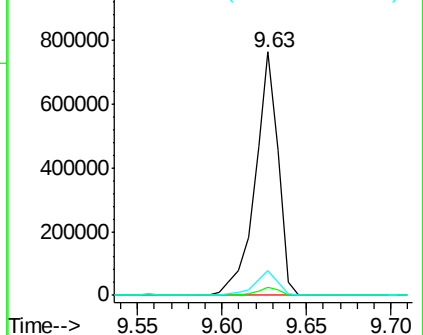
#49  
Dimethylphthalate  
Concen: 37.78 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 720463  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.7 4.1  
164 10.2 8.2 12.2

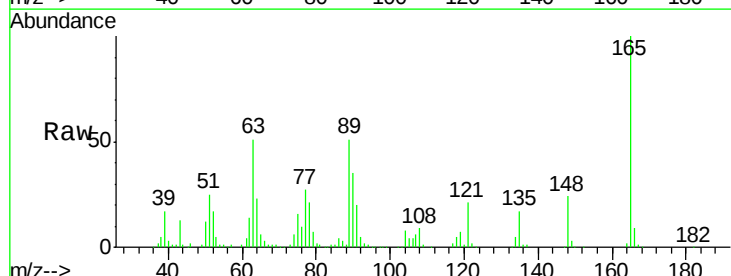


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

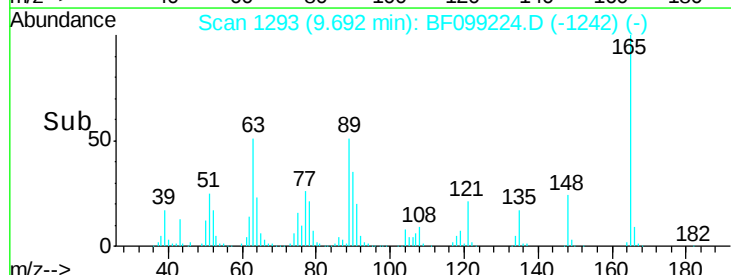
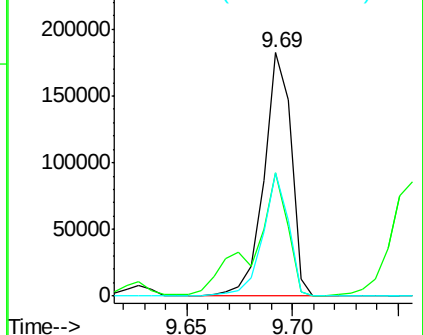


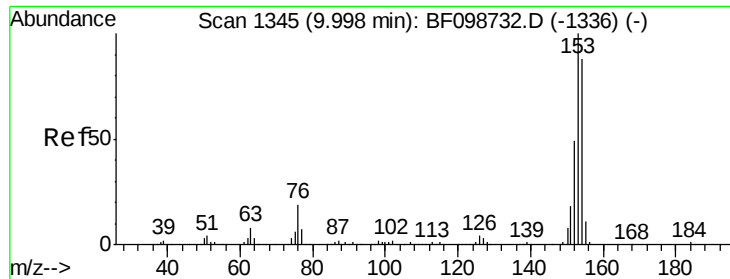
#50  
2,6-Dinitrotoluene  
Concen: 39.36 ng  
RT: 9.69 min Scan# 1293  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:165 Resp: 163409  
Ion Ratio Lower Upper  
165 100  
63 50.8 44.7 67.1  
89 50.6 44.0 66.0



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 35.31 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampleId :

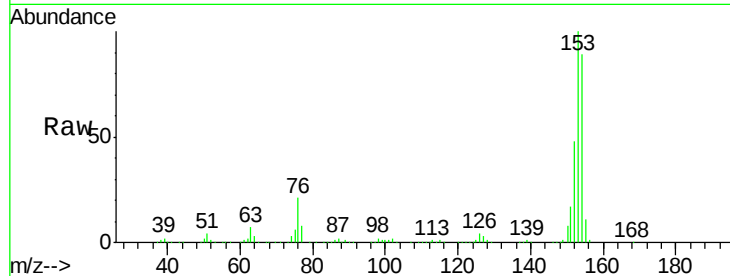
Tot Ion:154 Resp: 558218

Ion Ratio Lower Upper

154 100

153 112.6 91.2 136.8

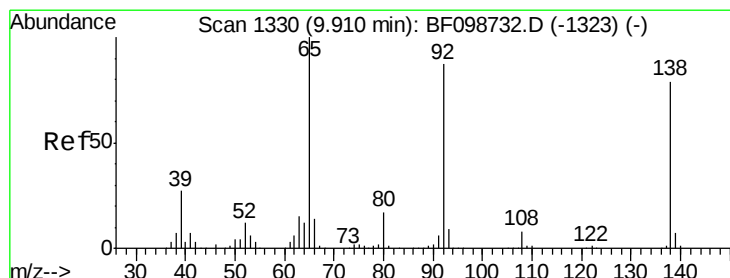
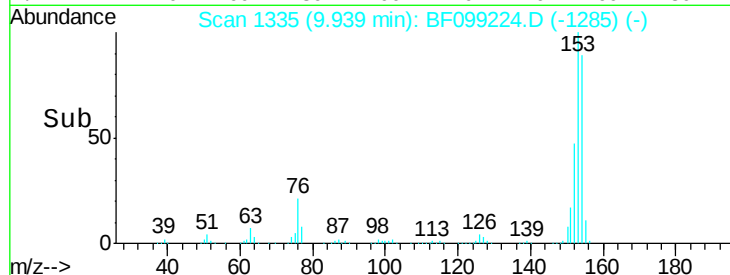
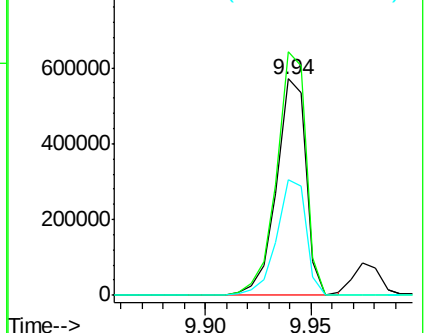
152 53.5 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 32.06 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

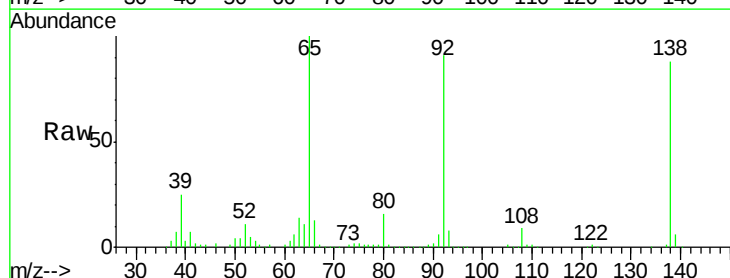
Tgt Ion:138 Resp: 155197

Ion Ratio Lower Upper

138 100

108 10.2 9.4 14.0

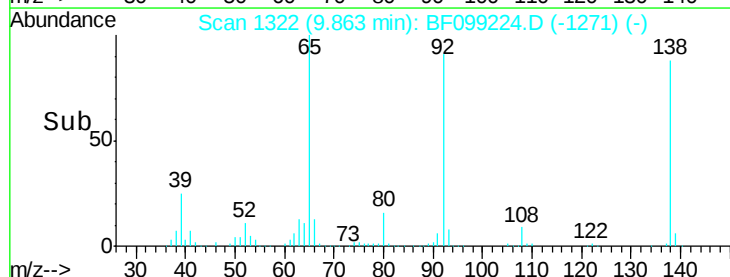
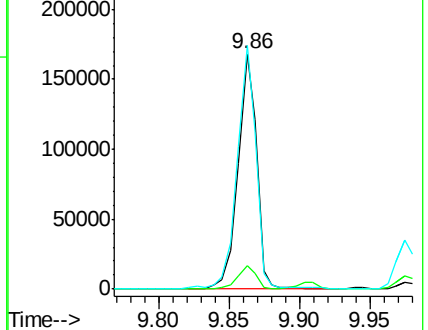
92 103.5 89.4 134.2

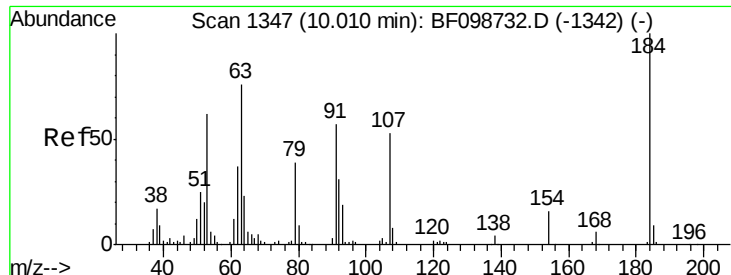


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

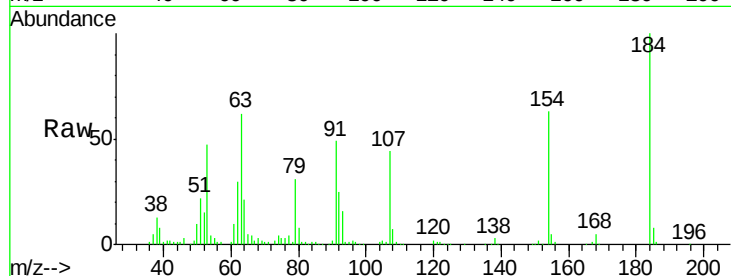




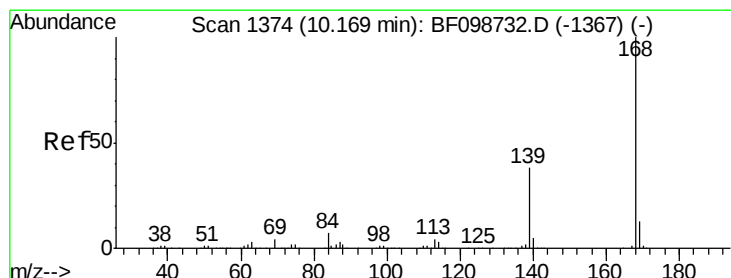
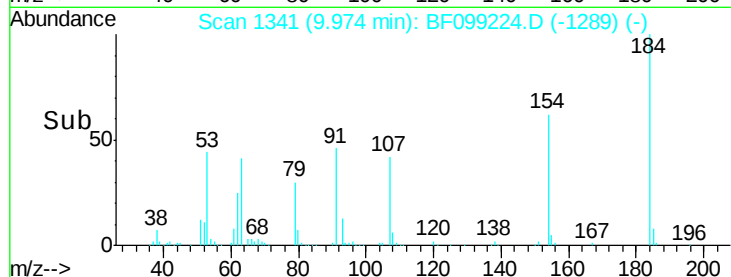
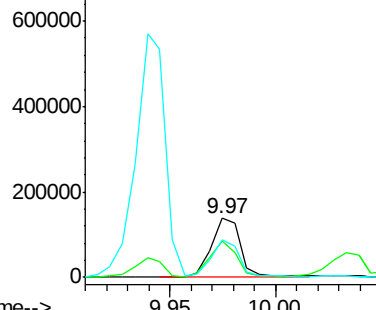
#53  
2,4-Dinitrophenol  
Concen: 64.02 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. 0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 135639  
Ion Ratio Lower Upper  
184 100  
63 61.9 54.2 81.2  
154 62.7 53.5 80.3

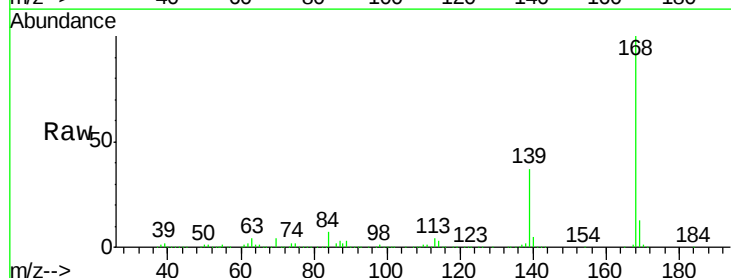


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

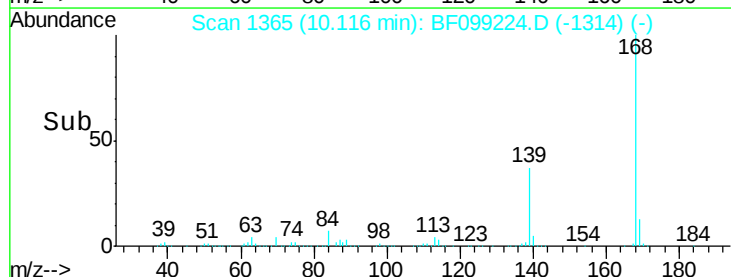
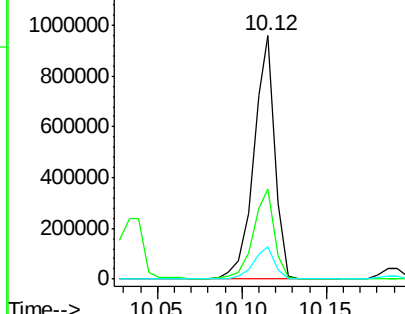


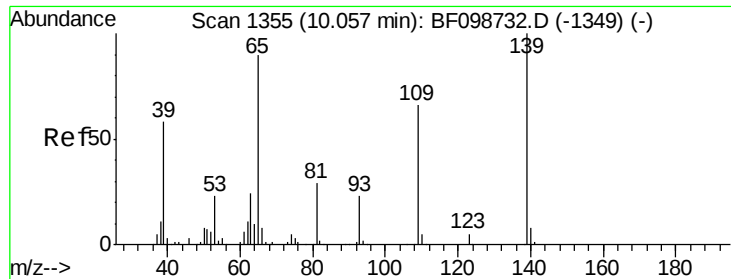
#54  
Dibenzofuran  
Concen: 39.56 ng  
RT: 10.12 min Scan# 1365  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:168 Resp: 832729  
Ion Ratio Lower Upper  
168 100  
139 36.8 30.1 45.1  
169 13.2 10.9 16.3



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

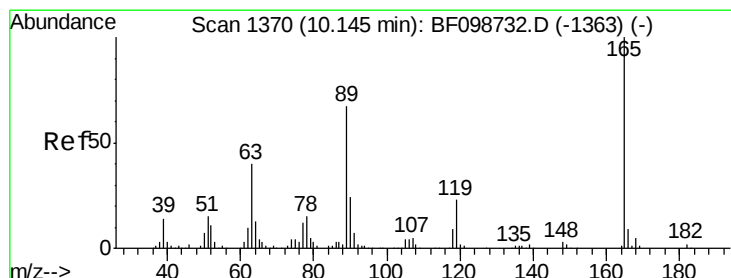
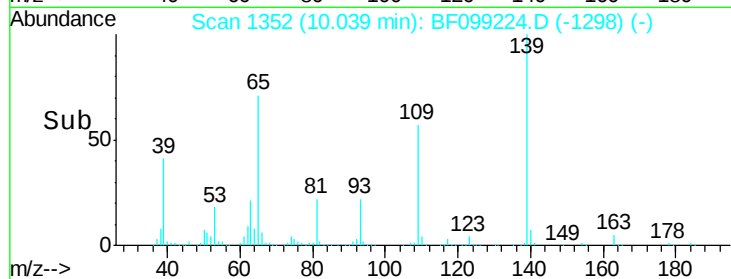
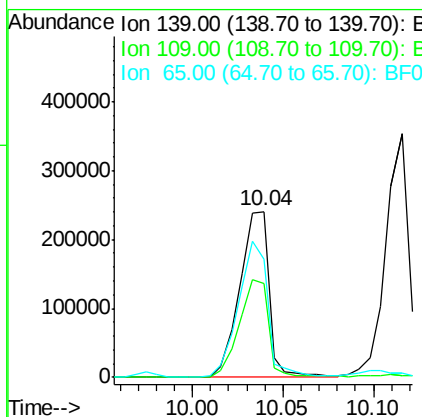
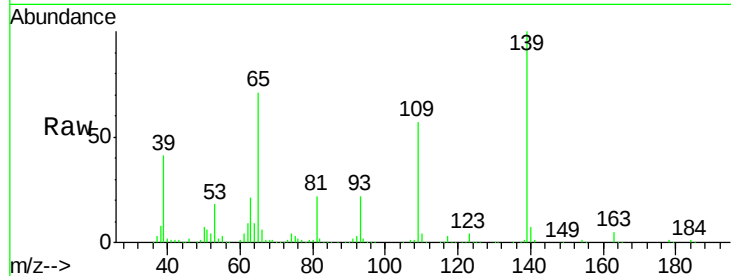




#55  
4-Nitrophenol  
Concen: 66.68 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. 0.02 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

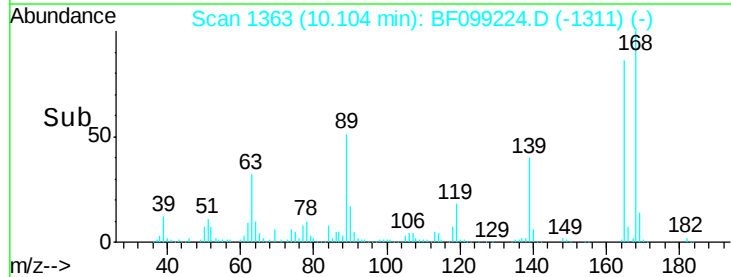
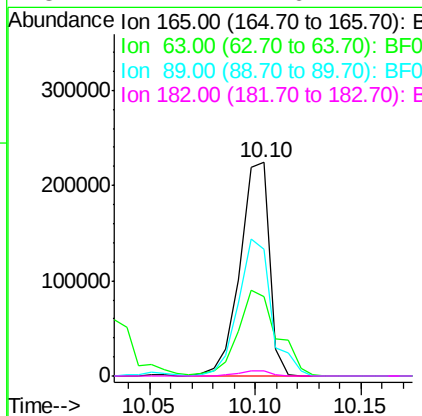
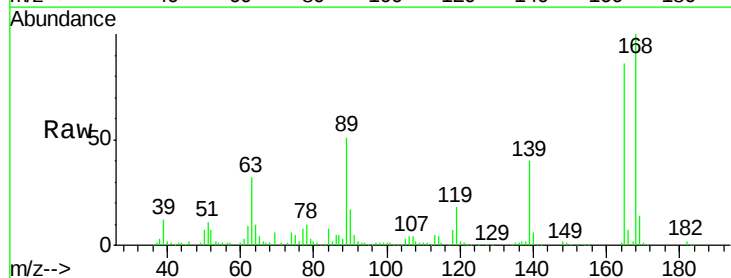
Instrument :  
BNA\_F  
ClientSampleId :

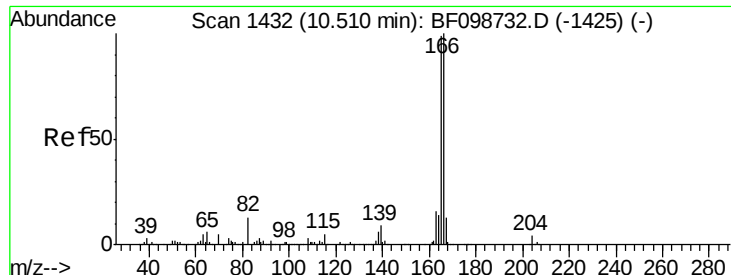
Tot Ion:139 Resp: 272895  
Ion Ratio Lower Upper  
139 100  
109 56.8 48.4 88.4  
65 71.1 72.6 112.6#



#56  
2,4-Dinitrotoluene  
Concen: 40.18 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. 0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:165 Resp: 216492  
Ion Ratio Lower Upper  
165 100  
63 37.2 36.4 54.6  
89 59.3 57.8 86.6  
182 2.4 1.6 2.4#

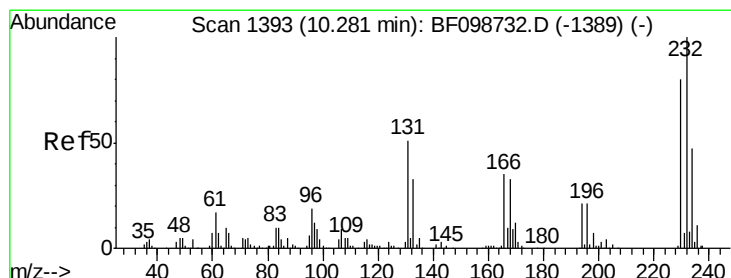
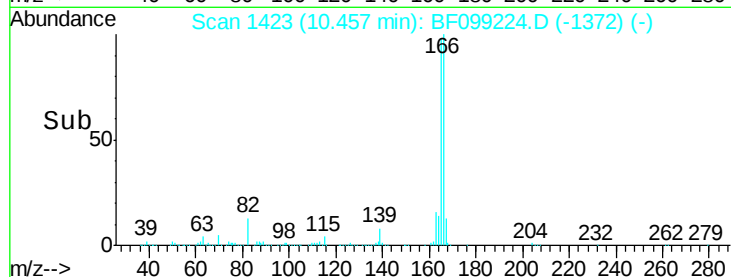
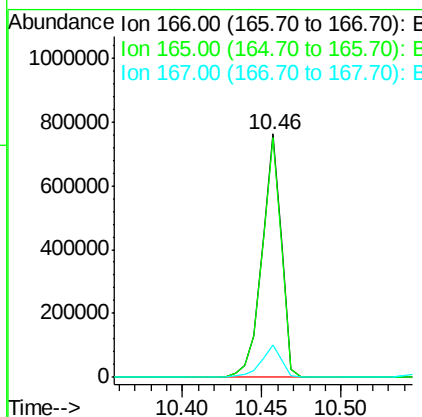
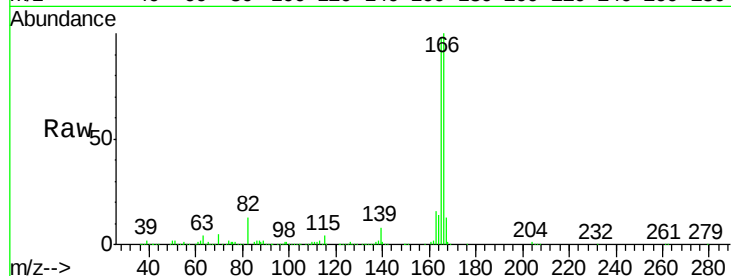




#57  
 Fluorene  
 Concen: 38.38 ng  
 RT: 10.46 min Scan# 1423  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

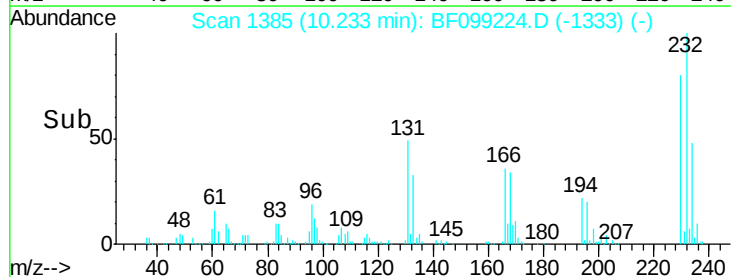
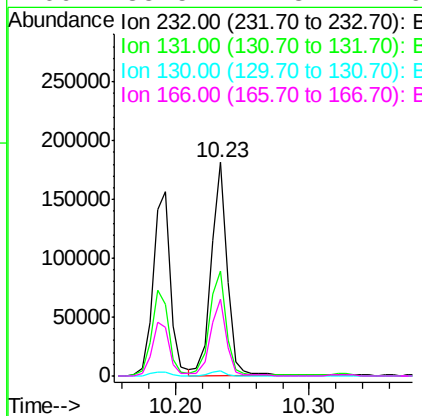
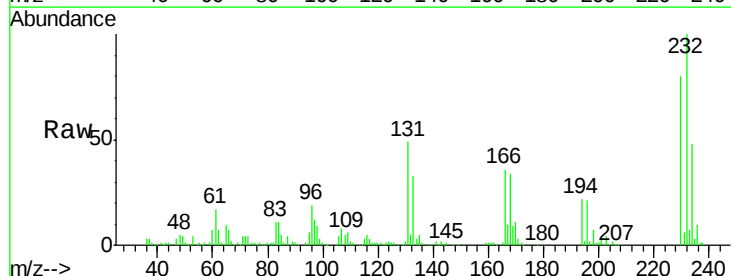
Instrument :  
 BNA\_F  
 ClientSampleId :

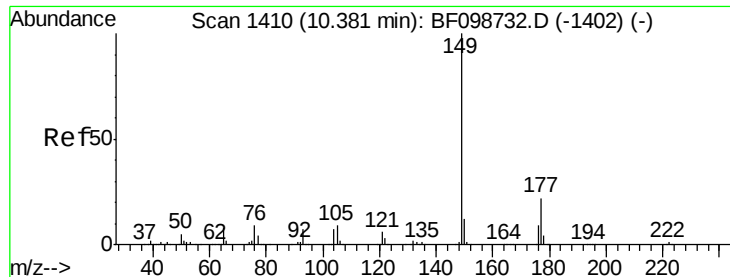
Tot Ion:166 Resp: 649270  
 Ion Ratio Lower Upper  
 166 100  
 165 98.3 79.8 119.8  
 167 13.5 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 41.64 ng  
 RT: 10.23 min Scan# 1385  
 Delta R.T. 0.01 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

Tgt Ion:232 Resp: 153273  
 Ion Ratio Lower Upper  
 232 100  
 131 52.9 43.8 65.8  
 130 2.3 2.1 3.1  
 166 35.5 27.8 41.6

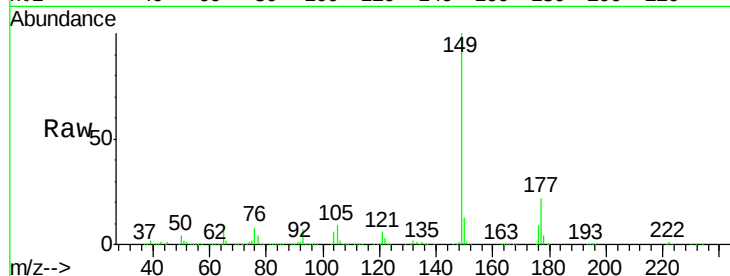




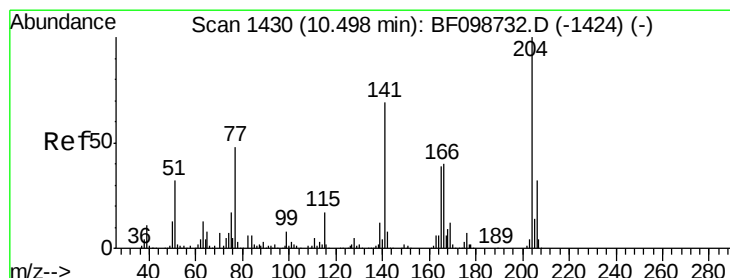
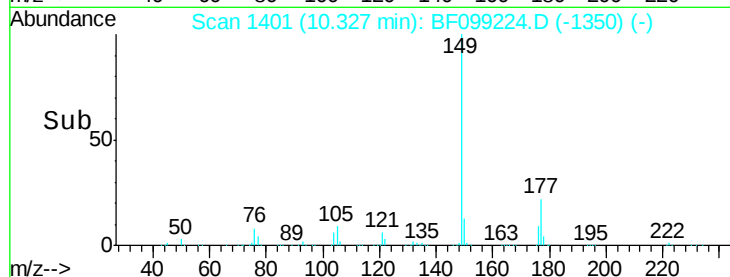
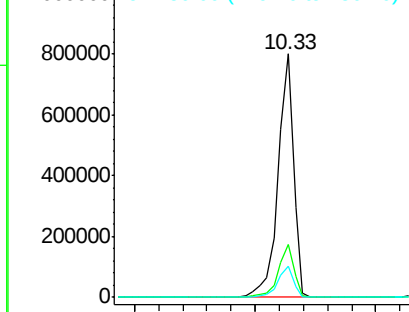
#59  
Diethylphthalate  
Concen: 37.71 ng  
RT: 10.33 min Scan# 1401  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:149 Resp: 702638  
Ion Ratio Lower Upper  
149 100  
177 21.8 16.1 24.1  
150 12.6 10.1 15.1

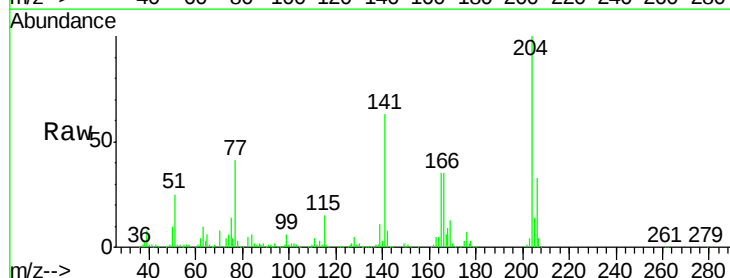


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

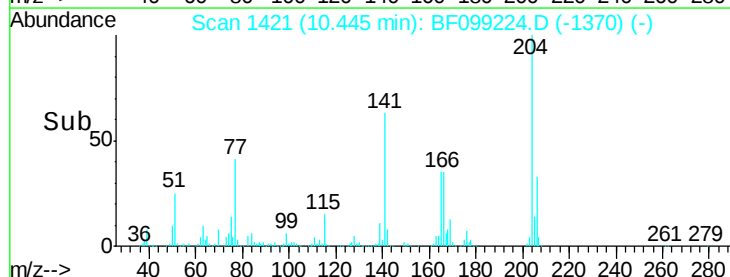
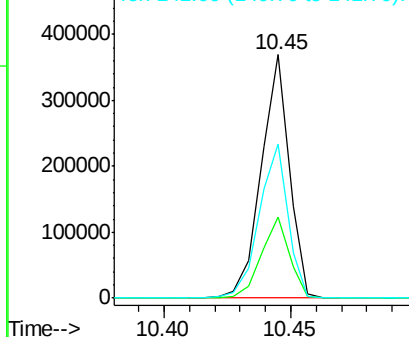


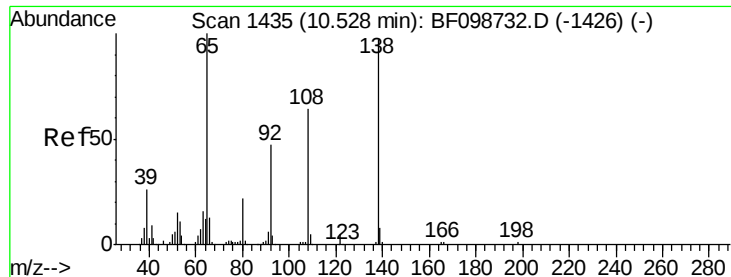
#60  
4-Chlorophenyl-phenylether  
Concen: 37.86 ng  
RT: 10.45 min Scan# 1421  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:204 Resp: 287708  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.5 39.7  
141 63.1 54.6 81.8



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

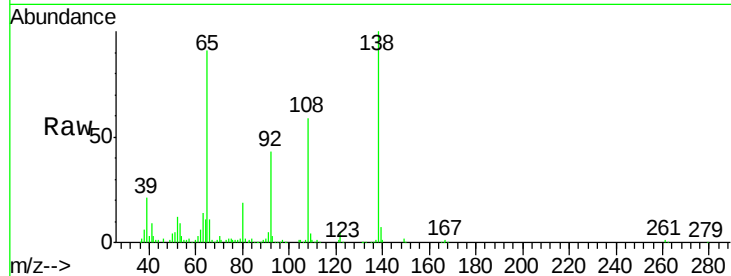




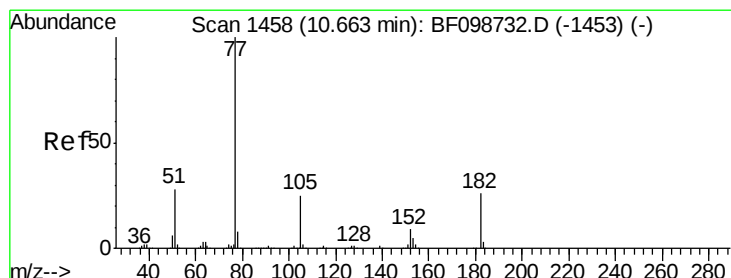
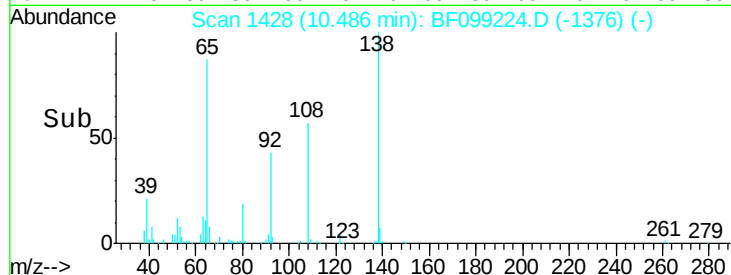
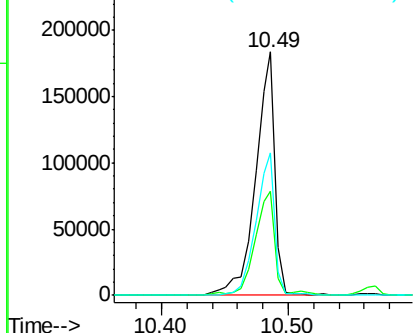
#61  
4-Nitroaniline  
Concen: 42.05 ng  
RT: 10.49 min Scan# 1428  
Delta R.T. 0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:138 Resp: 196366  
Ion Ratio Lower Upper  
138 100  
92 42.9 30.2 70.2  
108 58.6 52.5 92.5

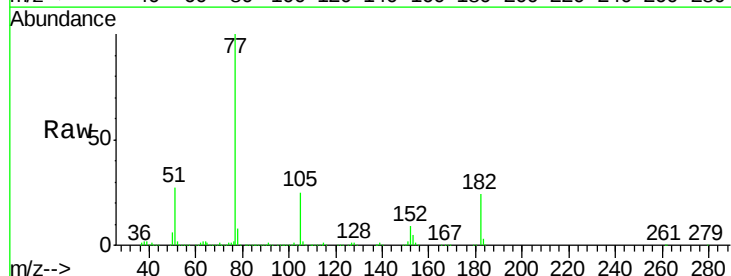


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

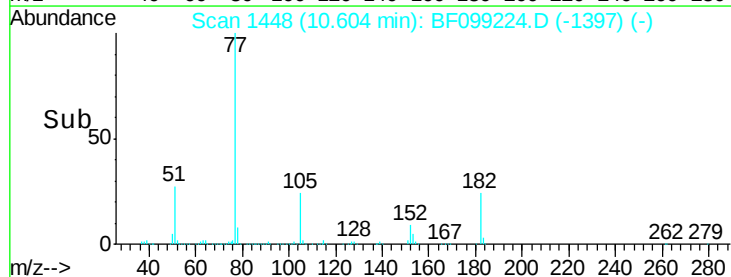
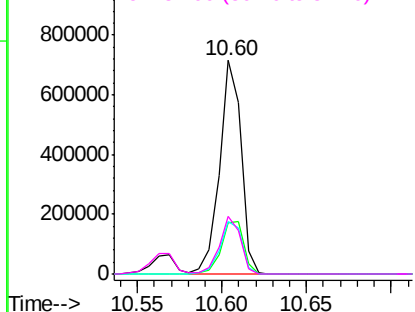


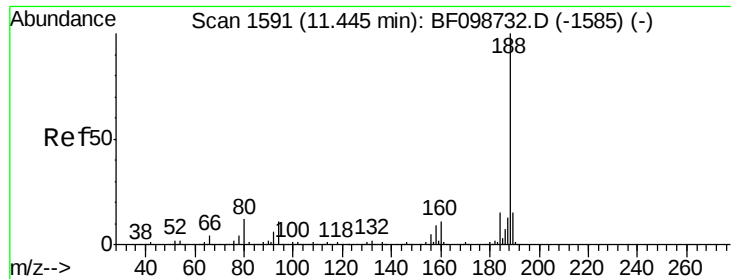
#62  
Azobenzene  
Concen: 37.16 ng  
RT: 10.60 min Scan# 1448  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion: 77 Resp: 636668  
Ion Ratio Lower Upper  
77 100  
182 24.2 1.7 41.7  
105 24.6 3.0 43.0  
51 27.0 9.9 49.9



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF0

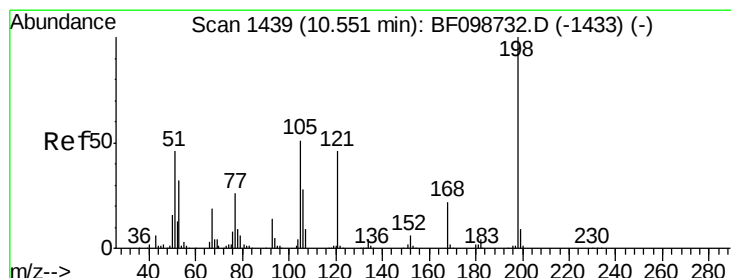
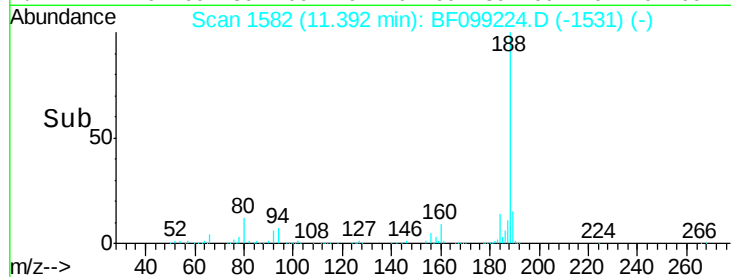
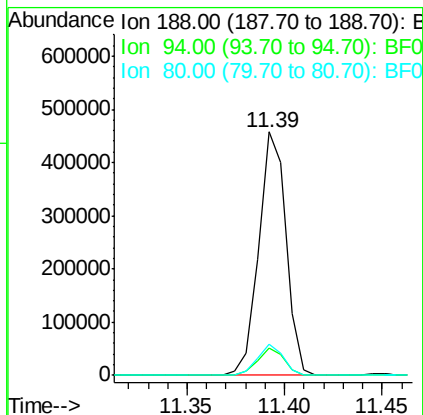
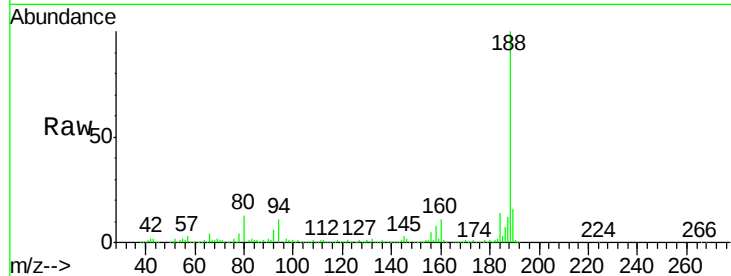




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.39 min Scan# 1582  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

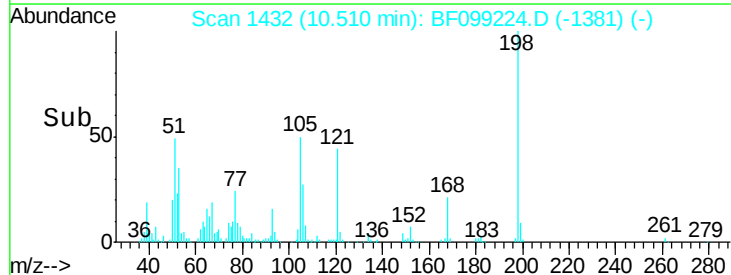
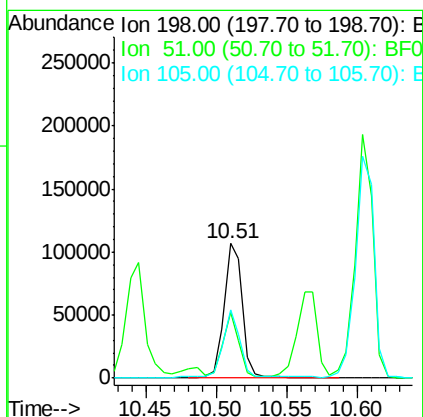
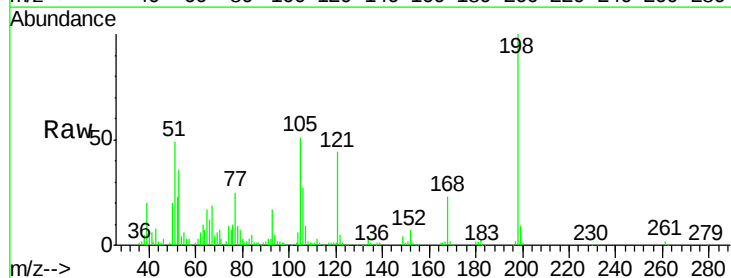
Instrument :  
 BNA\_F  
 ClientSampled :

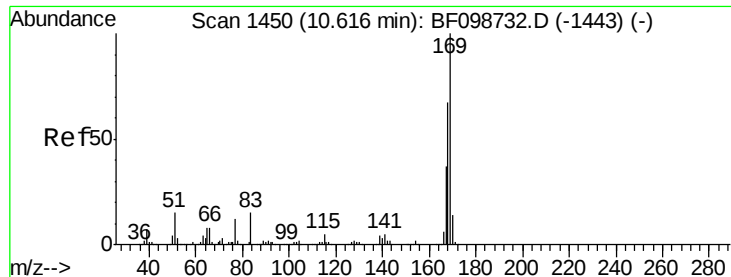
Tot Ion:188 Resp: 442083  
 Ion Ratio Lower Upper  
 188 100  
 94 11.4 8.5 12.7  
 80 12.5 9.2 13.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 35.65 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

Tgt Ion:198 Resp: 95899  
 Ion Ratio Lower Upper  
 198 100  
 51 48.6 37.7 77.7  
 105 50.6 36.3 76.3





#65

n-Nitrosodiphenylamine

Concen: 37.99 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampleId :

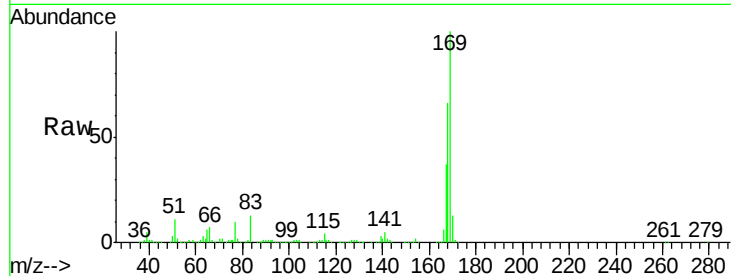
Tot Ion:169 Resp: 581799

Ion Ratio Lower Upper

169 100

168 66.1 54.4 81.6

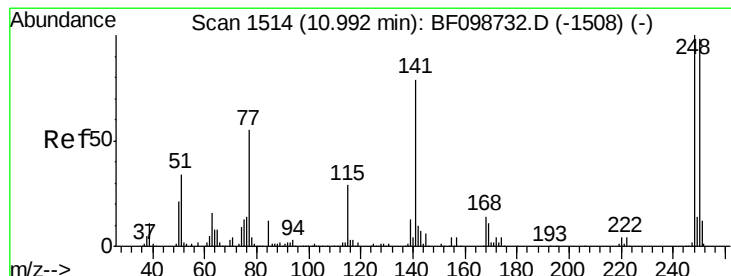
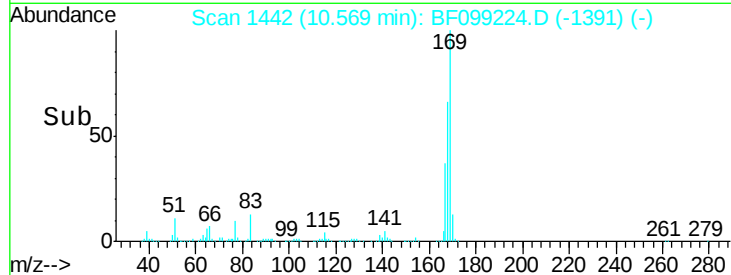
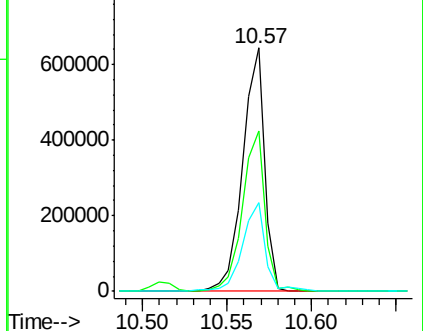
167 36.7 29.8 44.6



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



#66

4-Bromophenyl-phenylether

Concen: 39.34 ng

RT: 10.93 min Scan# 1504

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

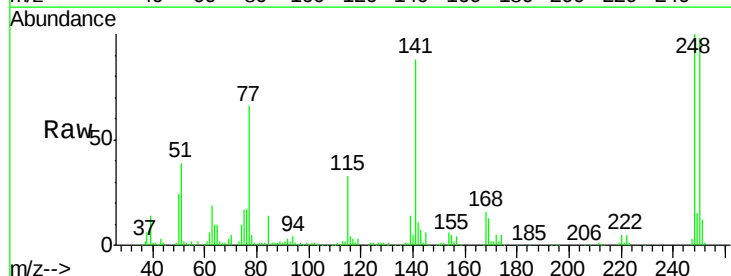
Tgt Ion:248 Resp: 170232

Ion Ratio Lower Upper

248 100

250 97.8 76.9 115.3

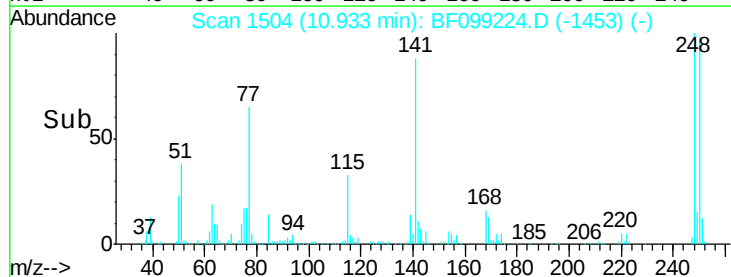
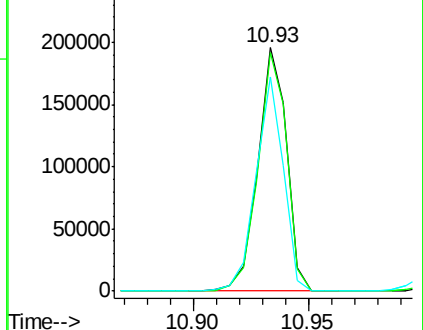
141 87.8 74.4 111.6

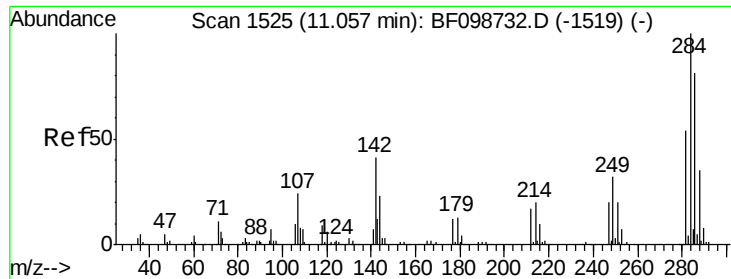


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

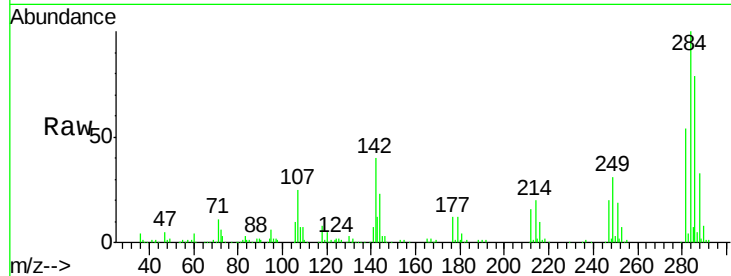




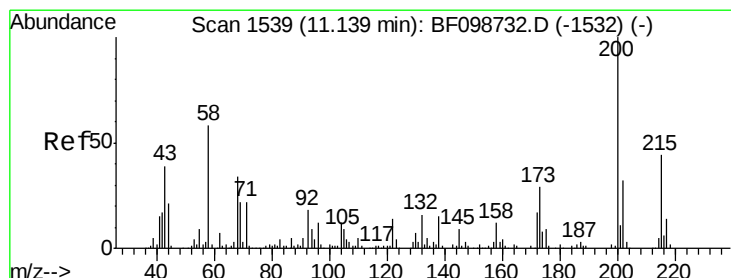
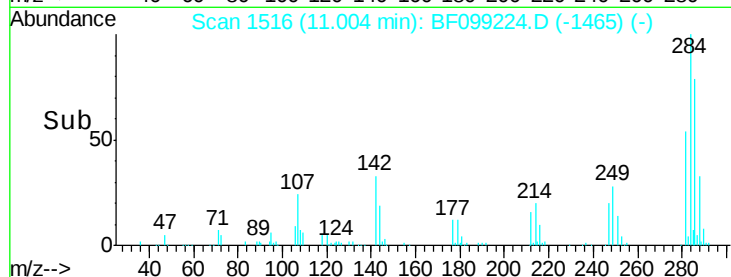
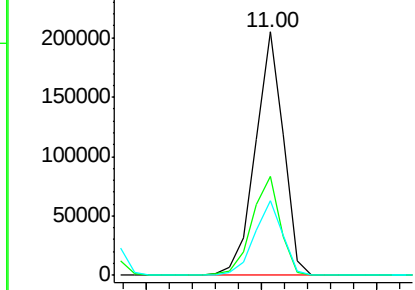
#67  
Hexachlorobenzene  
Concen: 37.54 ng  
RT: 11.00 min Scan# 1516  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:284 Resp: 173480  
Ion Ratio Lower Upper  
284 100  
142 40.4 34.6 52.0  
249 30.8 24.8 37.2

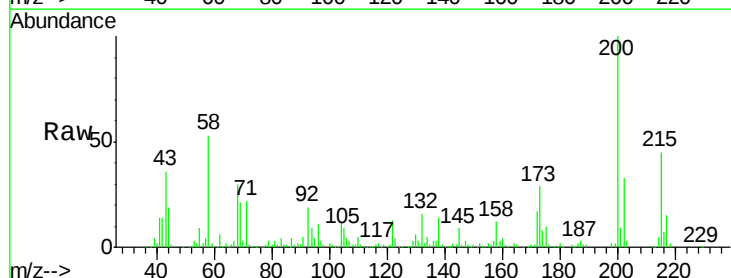


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

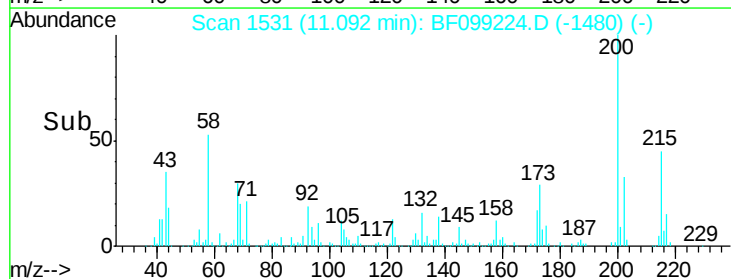
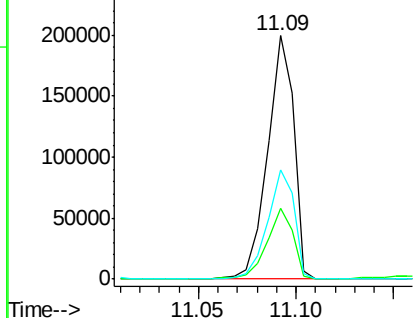


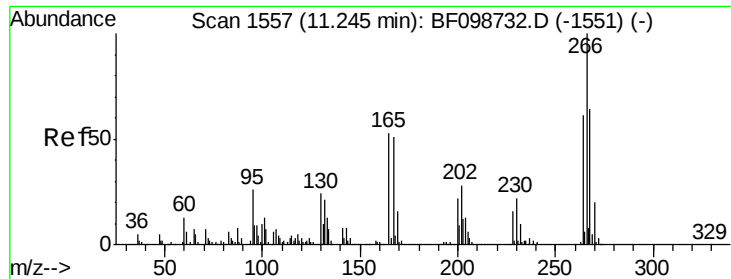
#68  
Atrazine  
Concen: 40.35 ng  
RT: 11.09 min Scan# 1531  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:200 Resp: 185932  
Ion Ratio Lower Upper  
200 100  
173 29.1 8.6 48.6  
215 44.6 25.1 65.1



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

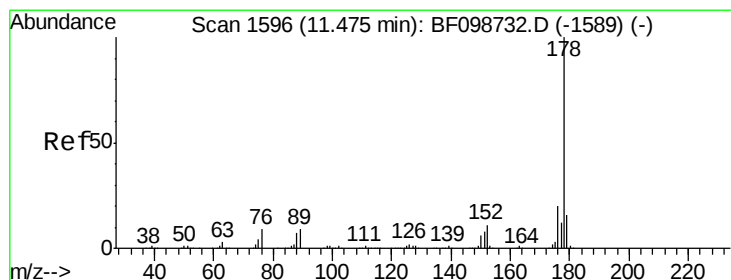
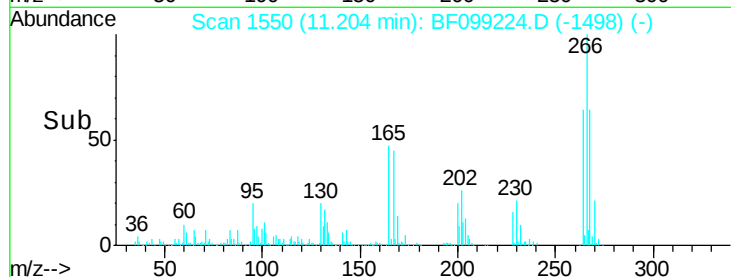
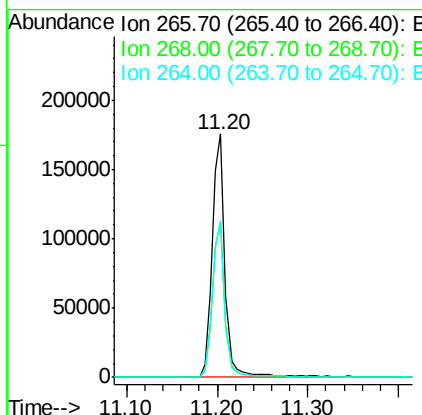
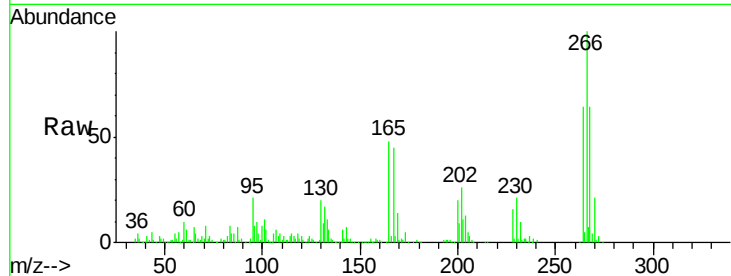




#69  
 Pentachlorophenol  
 Concen: 61.43 ng  
 RT: 11.20 min Scan# 1550  
 Delta R.T. 0.01 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

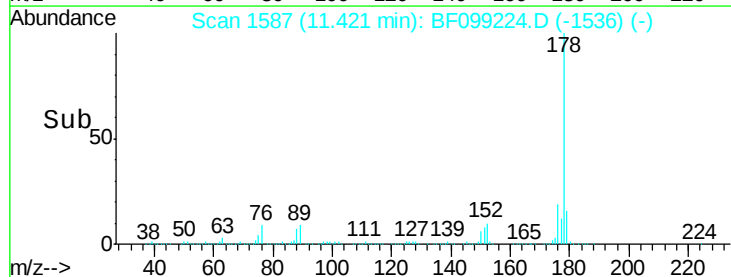
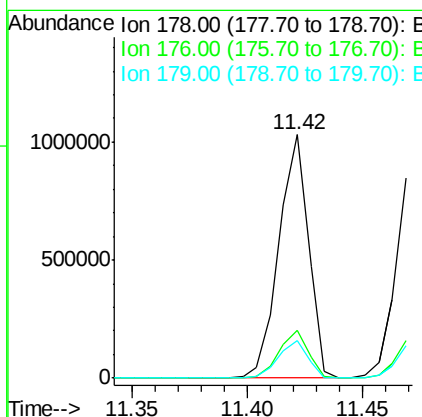
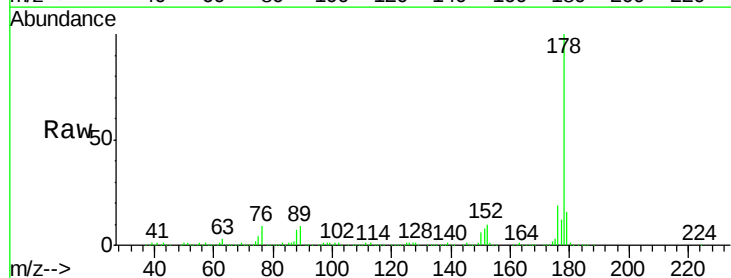
Instrument :  
 BNA\_F  
 ClientSampleId :

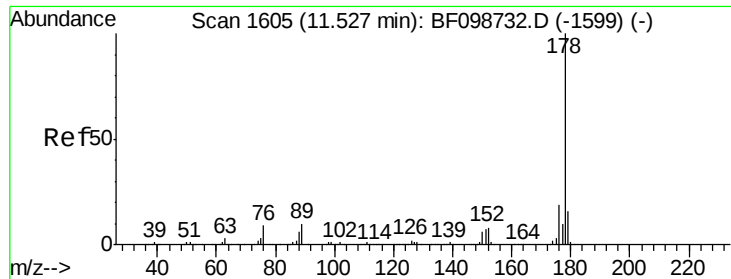
Tot Ion:266 Resp: 176684  
 Ion Ratio Lower Upper  
 266 100  
 268 63.7 51.1 76.7  
 264 64.1 49.5 74.3



#70  
 Phenanthrene  
 Concen: 38.65 ng  
 RT: 11.42 min Scan# 1587  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

Tgt Ion:178 Resp: 914548  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 15.8 23.8  
 179 15.6 13.0 19.6





#71

Anthracene

Concen: 39.14 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.01 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

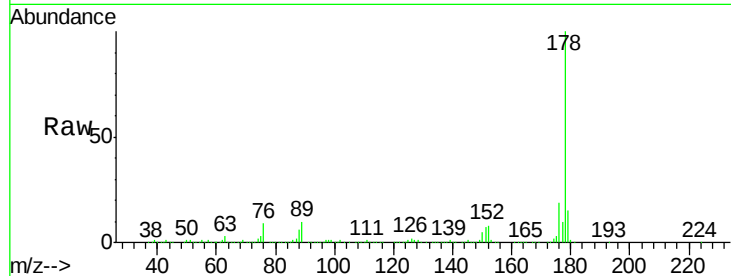
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:178 Resp: 947617

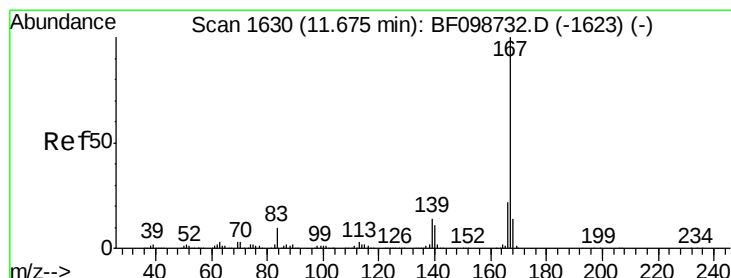
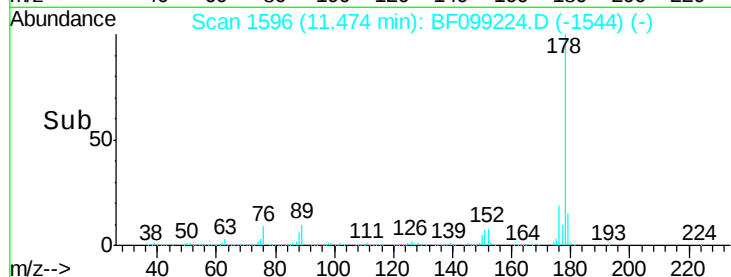
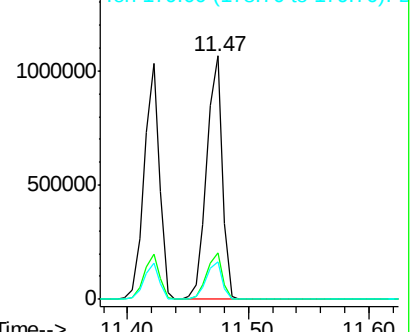
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.9  | 15.4  | 23.2  |
| 179 | 15.3  | 12.6  | 19.0  |



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

Carbazole

Concen: 37.76 ng

RT: 11.63 min Scan# 1622

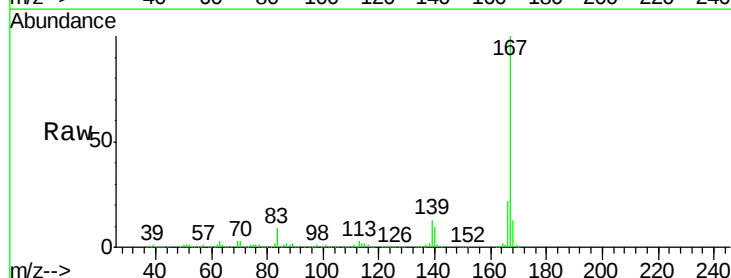
Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Tgt Ion:167 Resp: 895412

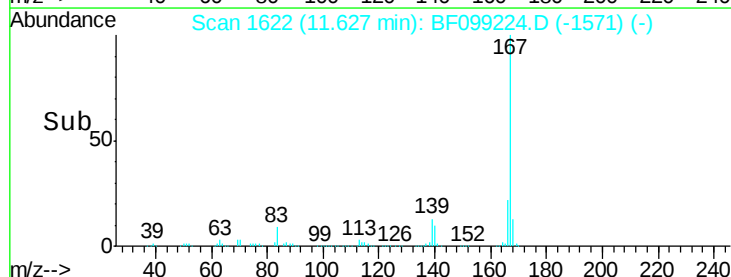
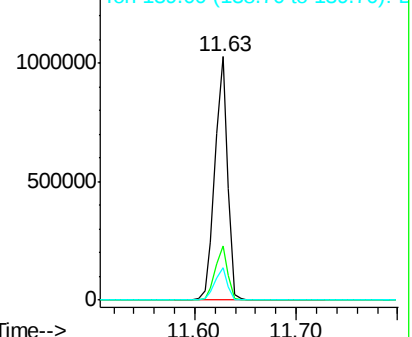
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.1  | 17.6  | 26.4  |
| 139 | 13.2  | 10.9  | 16.3  |

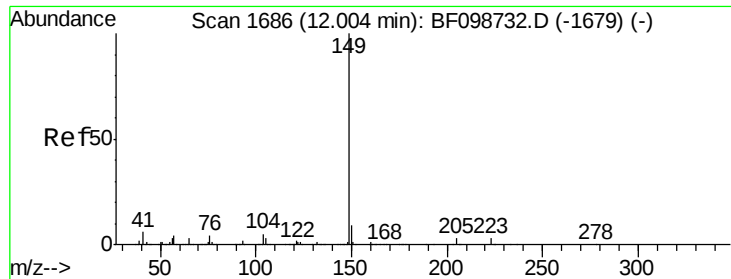


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

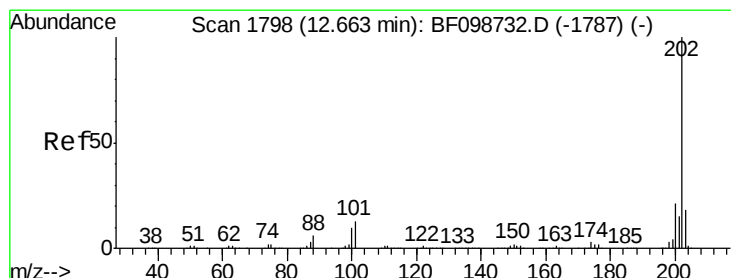
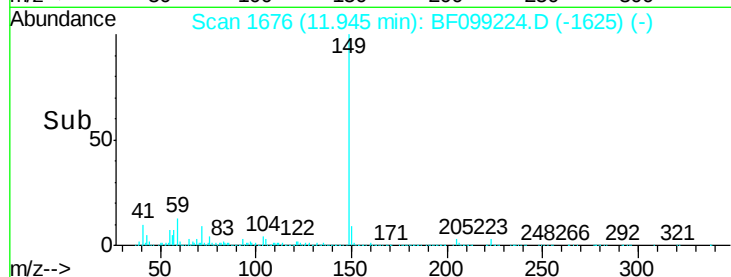
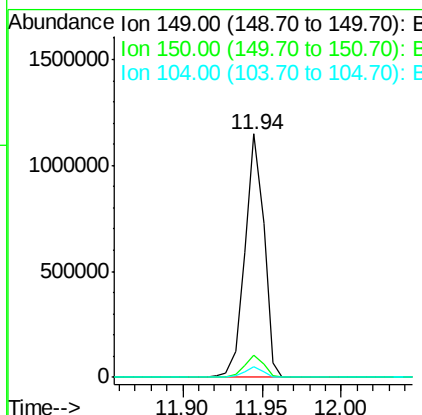
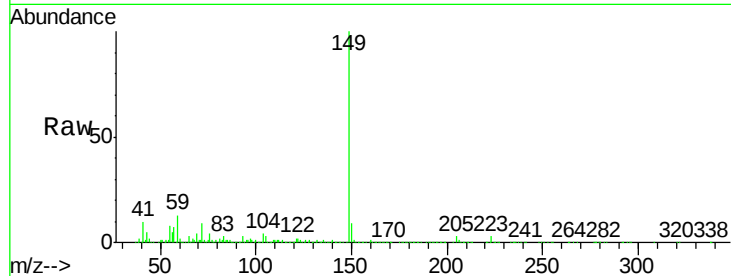




#73  
Di-n-butylphthalate  
Concen: 33.08 ng  
RT: 11.94 min Scan# 1676  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

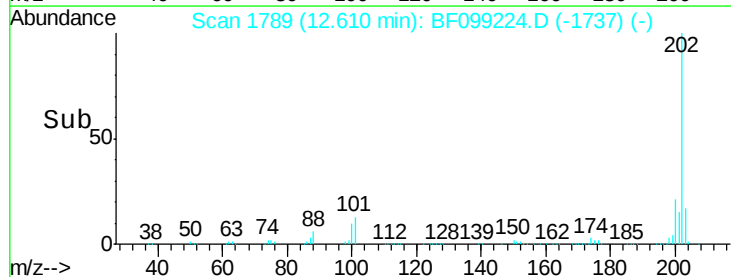
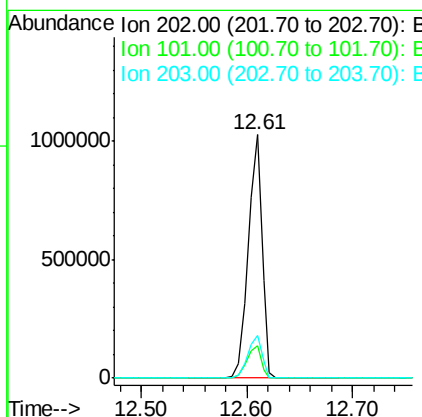
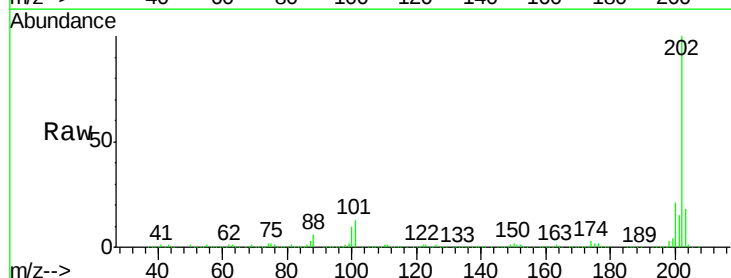
Instrument :  
BNA\_F  
ClientSampleId :

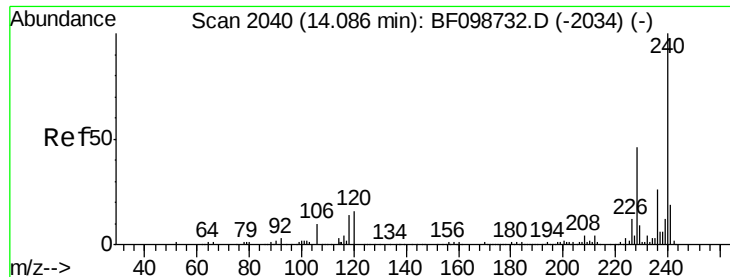
Tot Ion:149 Resp: 944053  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.8 11.6  
104 4.2 3.8 5.8



#74  
Fluoranthene  
Concen: 38.78 ng  
RT: 12.61 min Scan# 1789  
Delta R.T. 0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:202 Resp: 929303  
Ion Ratio Lower Upper  
202 100  
101 13.2 0.0 34.1  
203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampleId :

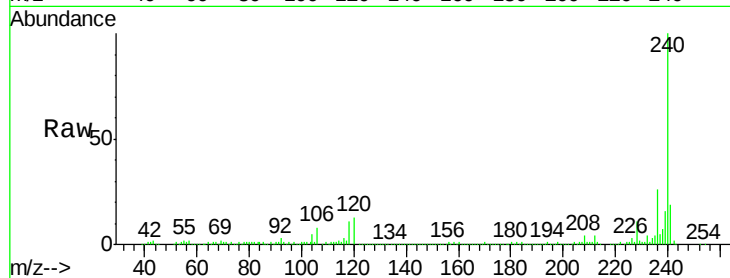
Tot Ion:240 Resp: 298611

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

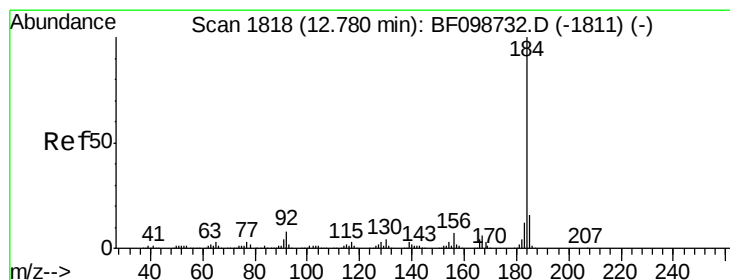
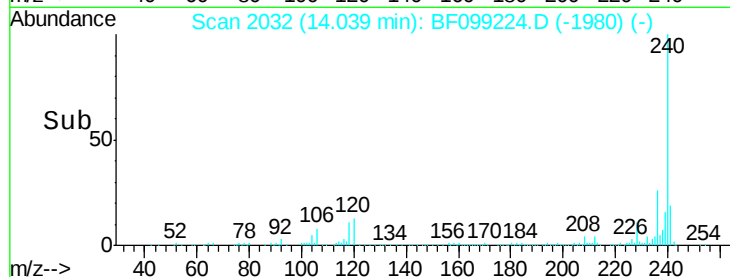
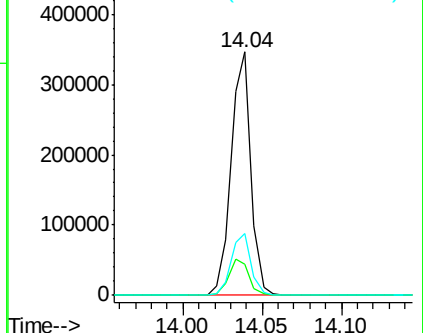
236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 34.50 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

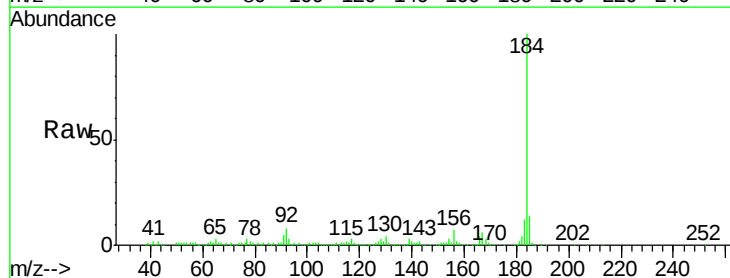
Tgt Ion:184 Resp: 381052

Ion Ratio Lower Upper

184 100

185 14.3 12.6 18.8

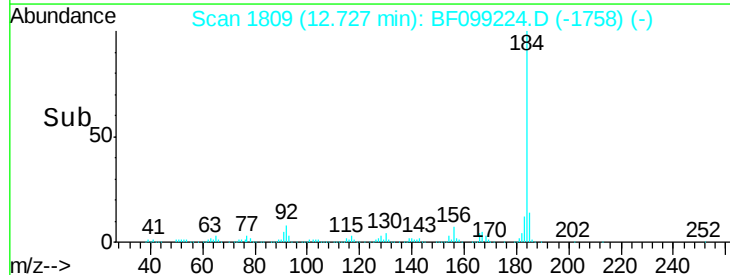
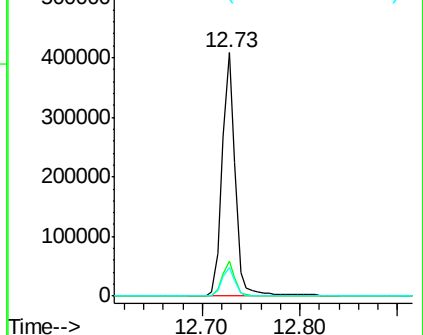
183 11.6 9.3 13.9

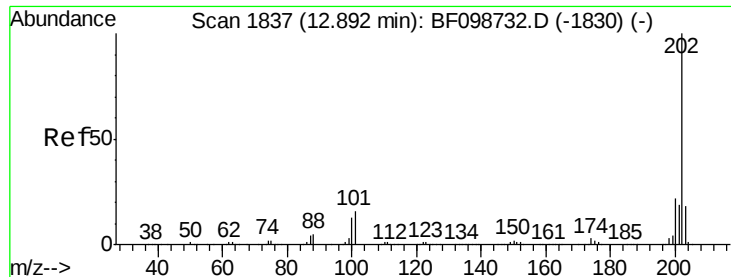


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

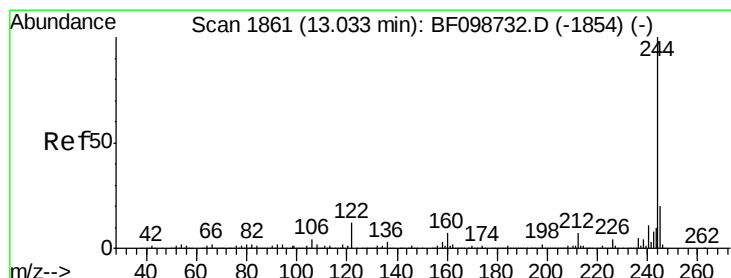
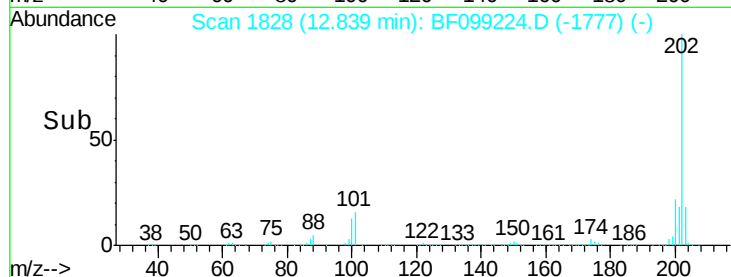
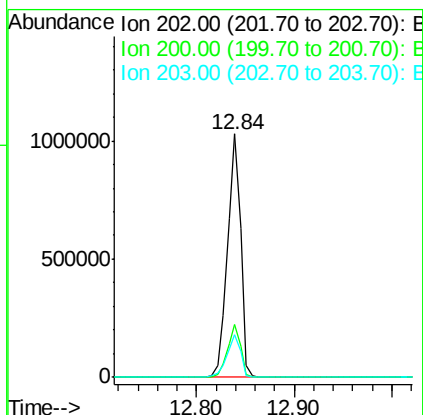
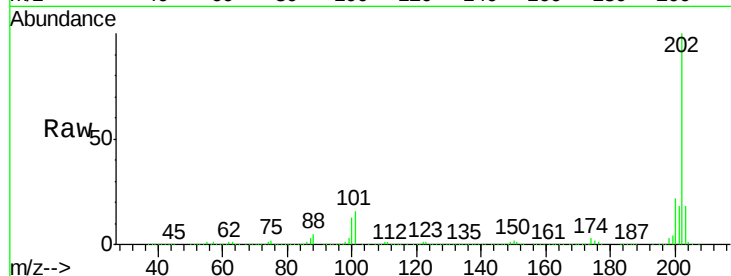




#77  
 Pvrene  
 Concen: 42.18 ng  
 RT: 12.84 min Scan# 1828  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

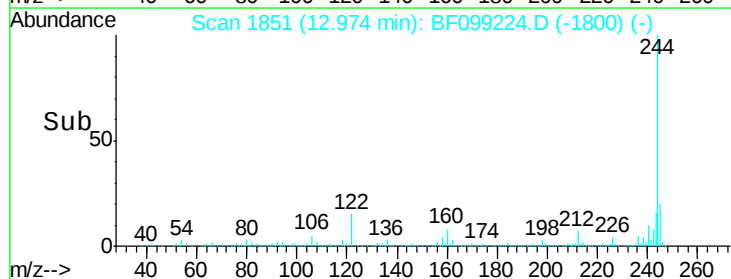
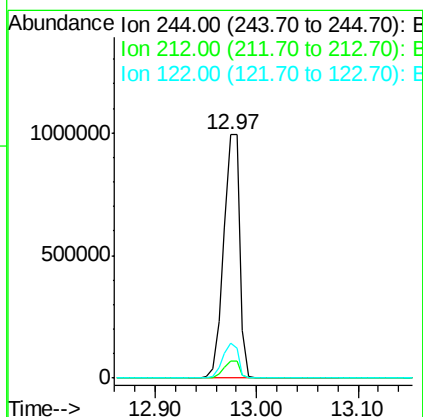
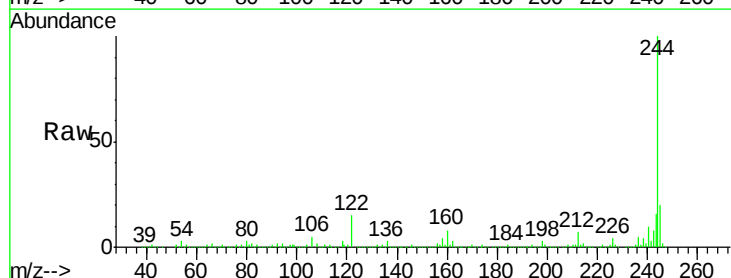
Instrument :  
 BNA\_F  
 ClientSampleId :

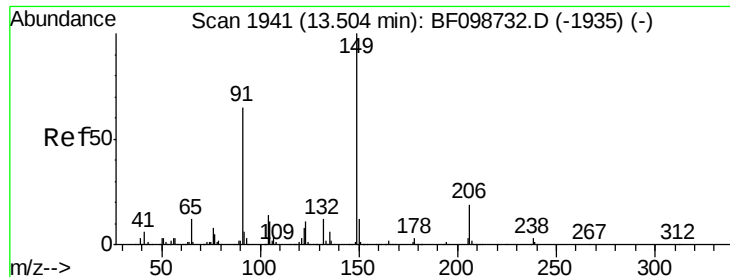
Tot Ion:202 Resp: 960372  
 Ion Ratio Lower Upper  
 202 100  
 200 21.5 17.4 26.2  
 203 17.6 14.3 21.5



#78  
 Terphenyl-d14  
 Concen: 83.04 ng  
 RT: 12.97 min Scan# 1851  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

Tgt Ion:244 Resp: 1090322  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.4 8.0  
 122 14.6 11.0 16.4

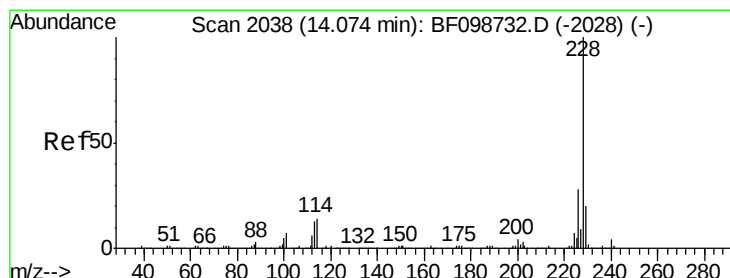
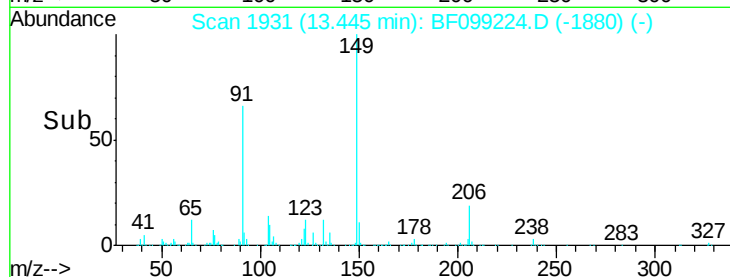
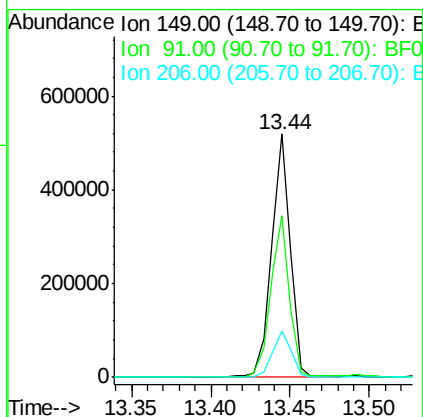
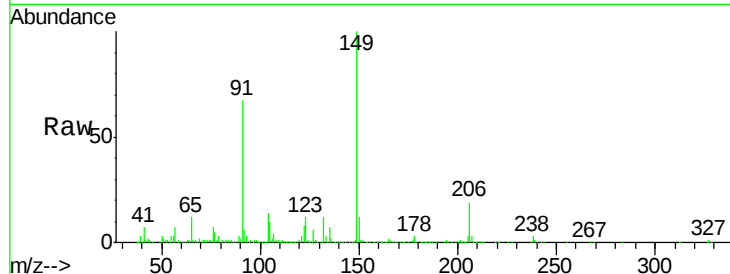




#79  
Butylbenzylphthalate  
Concen: 39.85 ng  
RT: 13.44 min Scan# 1931  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

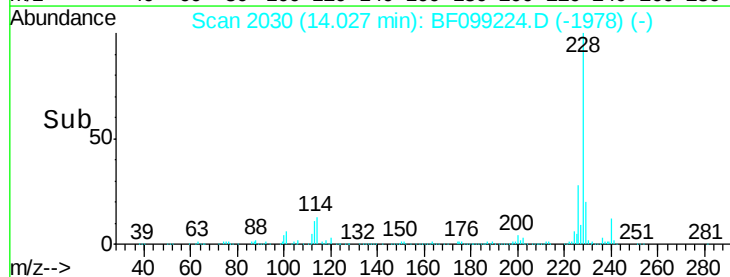
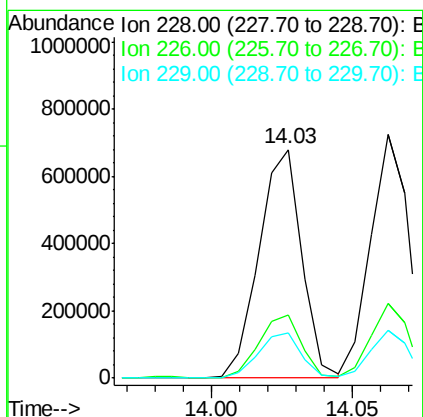
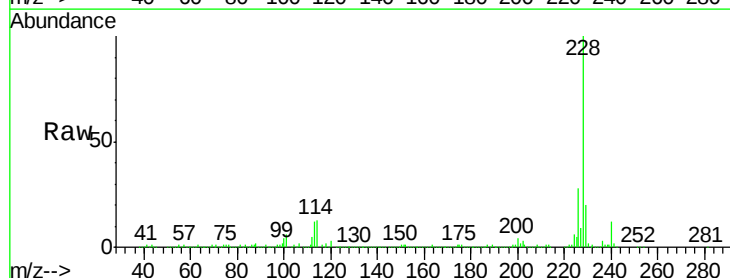
Instrument :  
BNA\_F  
ClientSampleId :

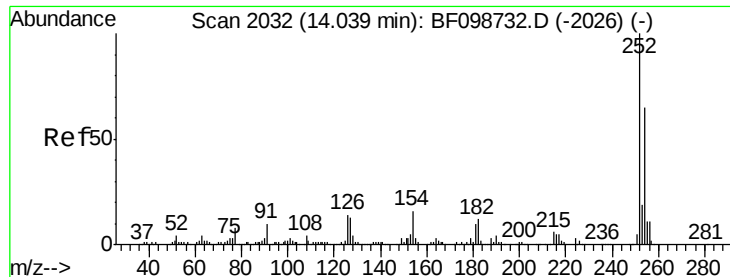
Tot Ion:149 Resp: 426433  
Ion Ratio Lower Upper  
149 100  
91 66.6 56.8 85.2  
206 19.1 14.1 21.1



#80  
Benzo(a)anthracene  
Concen: 39.46 ng  
RT: 14.03 min Scan# 2030  
Delta R.T. 0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:228 Resp: 713579  
Ion Ratio Lower Upper  
228 100  
226 27.7 22.6 33.8  
229 19.6 15.8 23.6

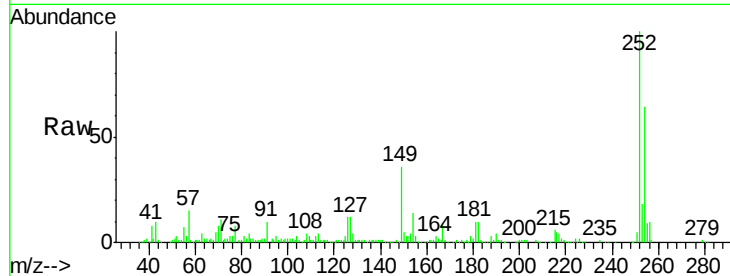




#81  
 3,3'-Dichlorobenzidine  
 Concen: 30.95 ng  
 RT: 13.99 min Scan# 2023  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.3  | 50.4  | 75.6  |
| 126     | 12.2  | 11.3  | 16.9  |

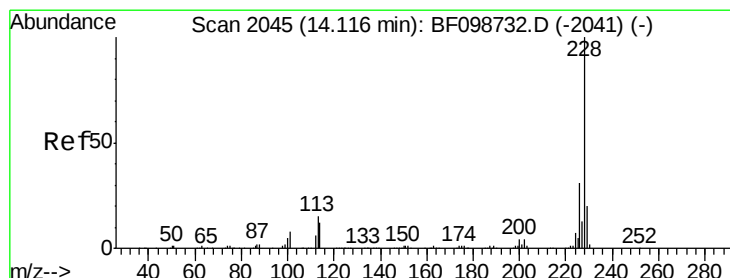
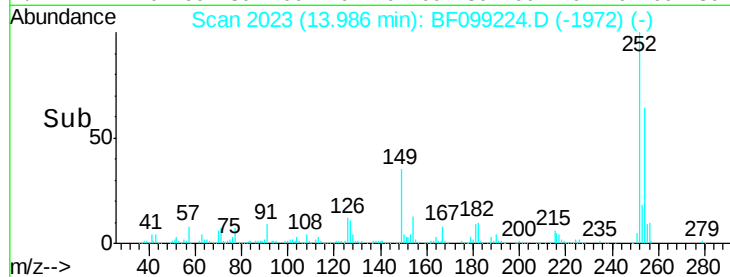
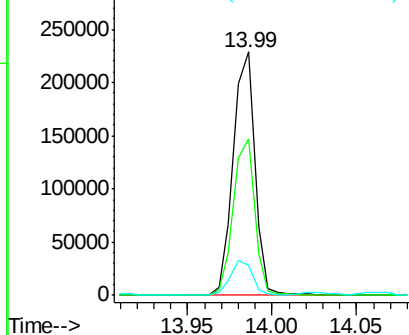


Abundance

Ion 252.00 (251.70 to 252.70): E

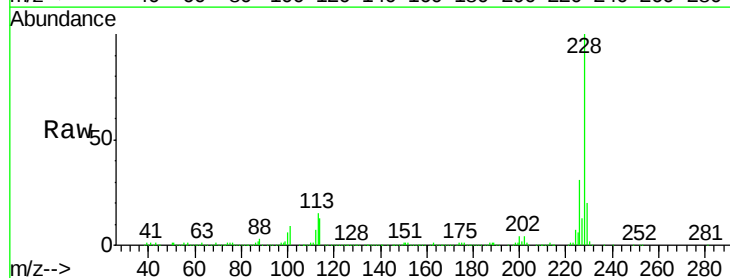
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82  
 Chrysene  
 Concen: 39.05 ng  
 RT: 14.06 min Scan# 2036  
 Delta R.T. -0.00 min  
 Lab File: BF099224.D  
 Acq: 8 Oct 2017 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.9  | 25.0  | 37.6  |
| 229     | 19.7  | 16.2  | 24.4  |

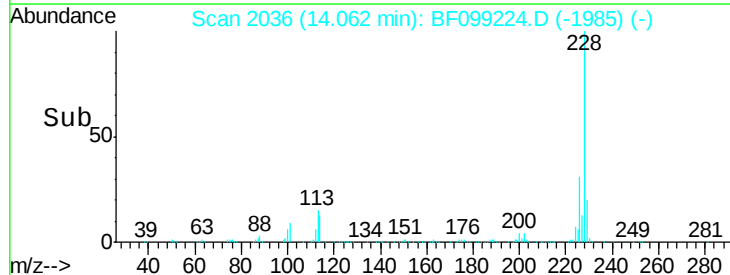
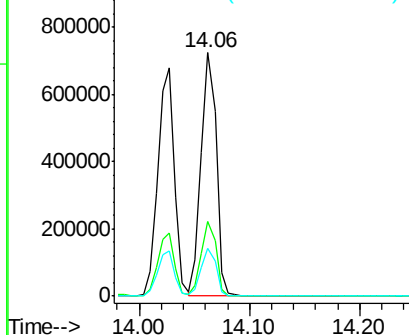


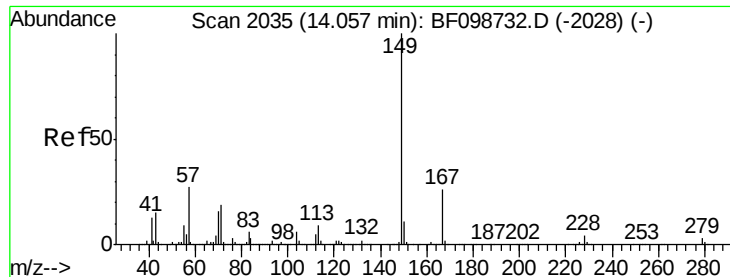
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 37.21 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampleId :

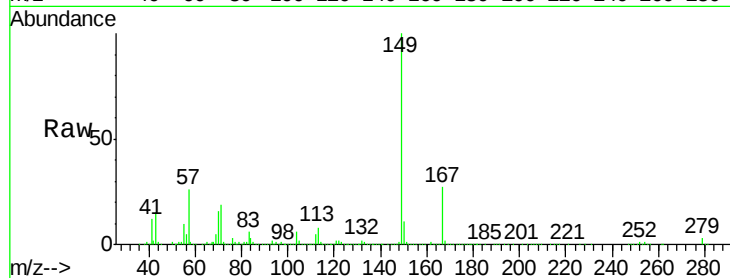
Tot Ion:149 Resp: 548281

Ion Ratio Lower Upper

149 100

167 27.2 21.3 31.9

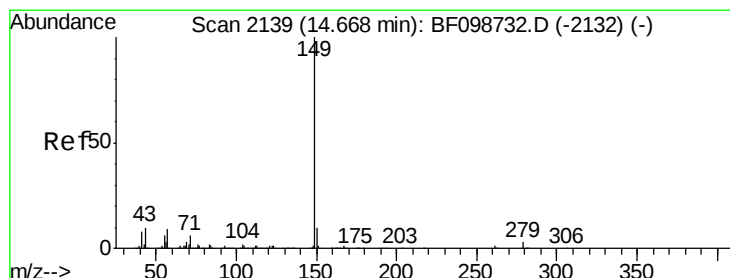
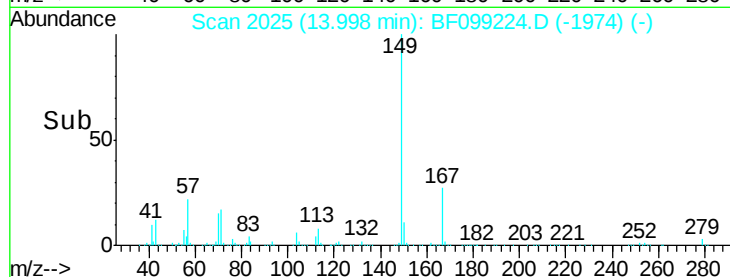
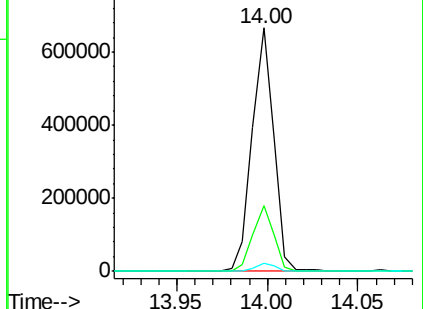
279 3.1 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 30.07 ng

RT: 14.61 min Scan# 2129

Delta R.T. -0.00 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

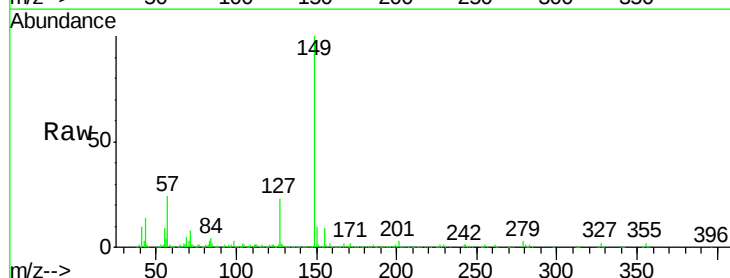
Tgt Ion:149 Resp: 713590

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

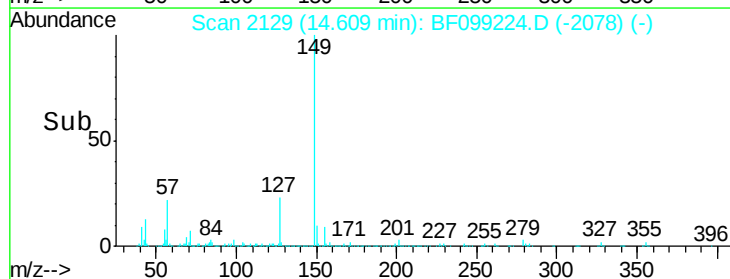
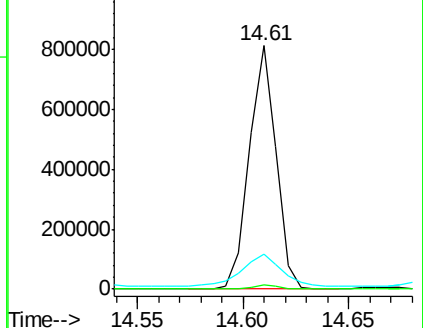
43 20.5 8.4 12.6#

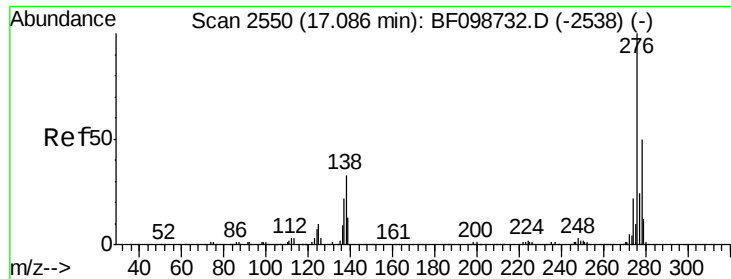


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

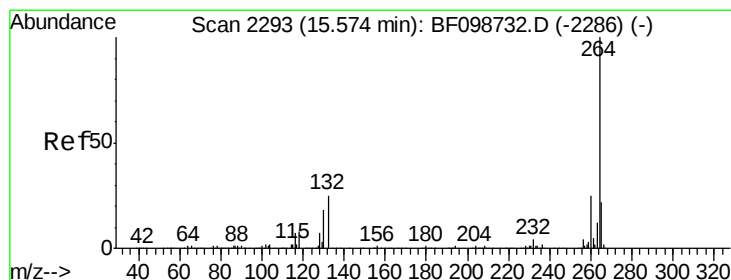
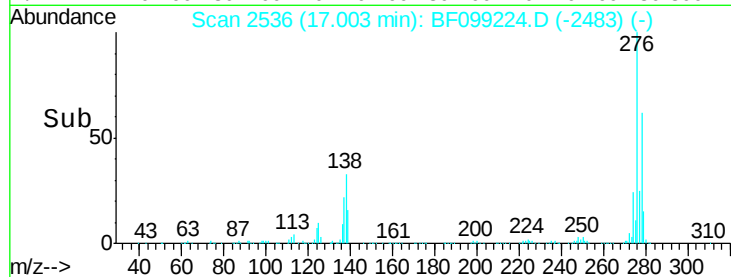
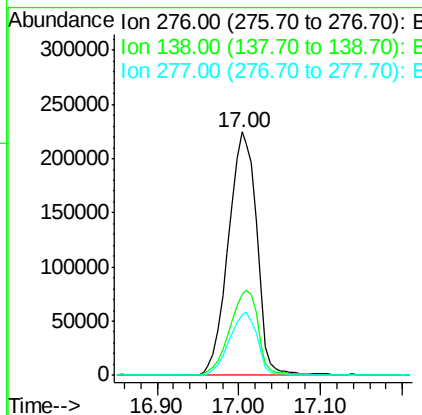
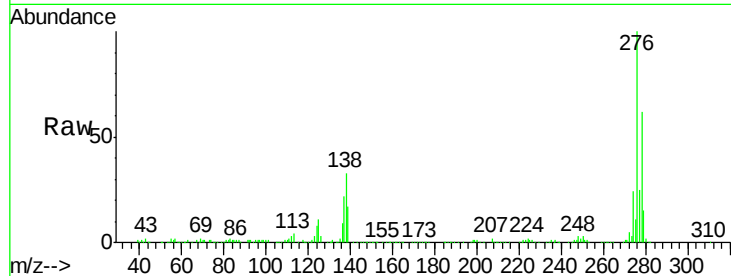




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 39.51 ng  
RT: 17.00 min Scan# 2536  
Delta R.T. 0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

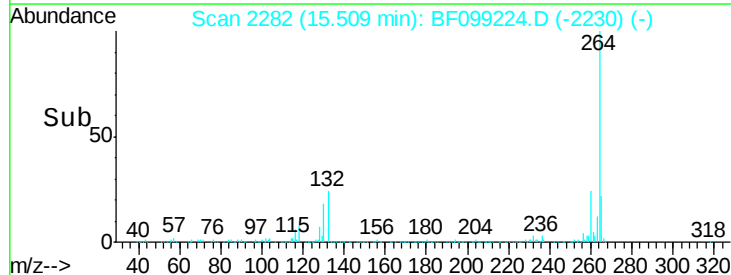
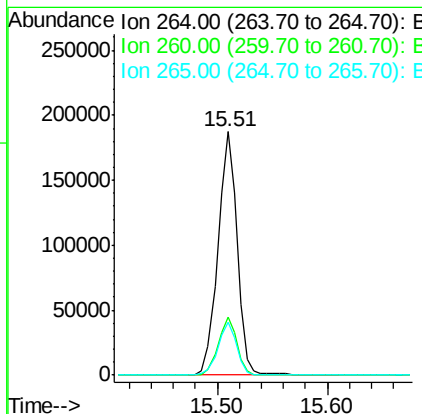
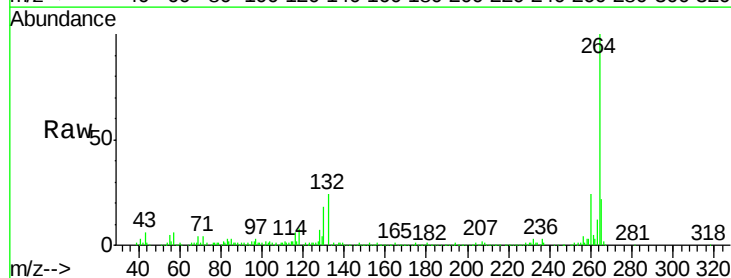
Instrument :  
BNA\_F  
ClientSampleId :

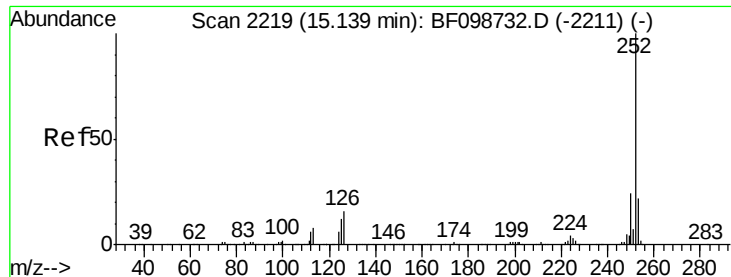
Tot Ion:276 Resp: 544093  
Ion Ratio Lower Upper  
276 100  
138 35.4 25.0 37.6  
277 25.5 20.1 30.1



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.51 min Scan# 2282  
Delta R.T. 0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:264 Resp: 226108  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.2 28.8  
265 21.8 17.5 26.3

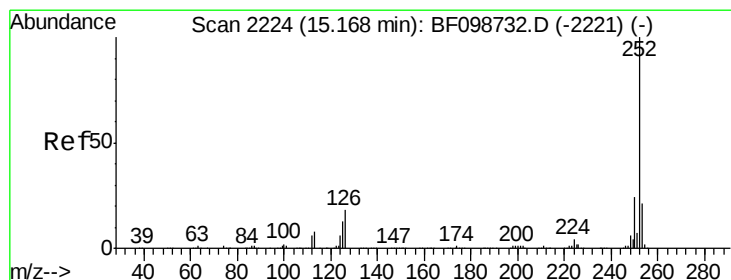
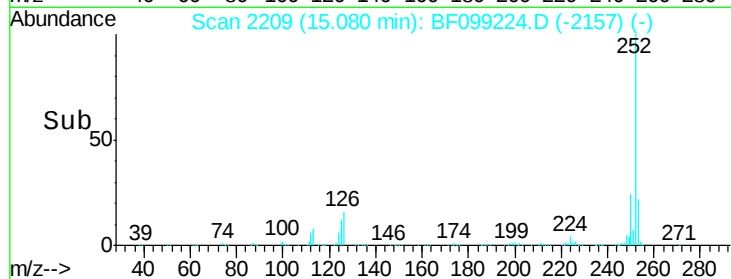
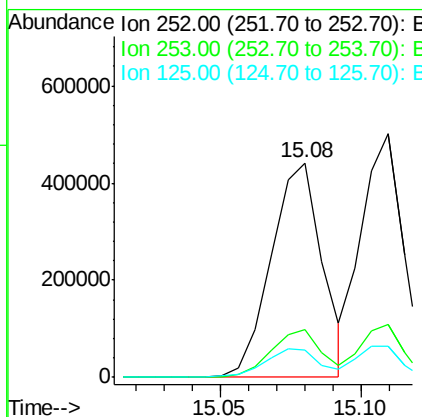
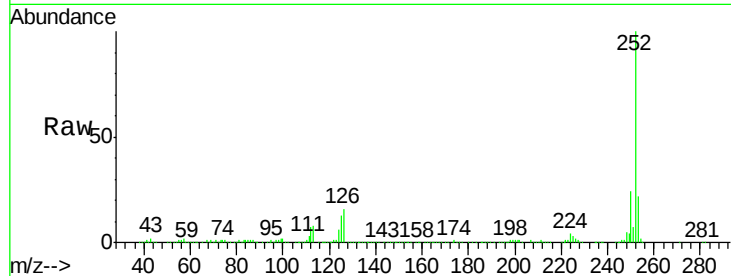




#87  
Benzo(b)fluoranthene  
Concen: 39.93 ng  
RT: 15.08 min Scan# 2209  
Delta R.T. 0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

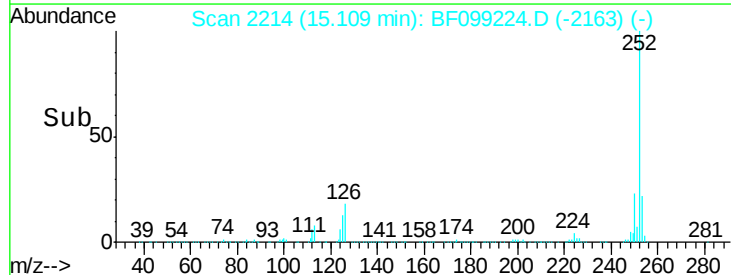
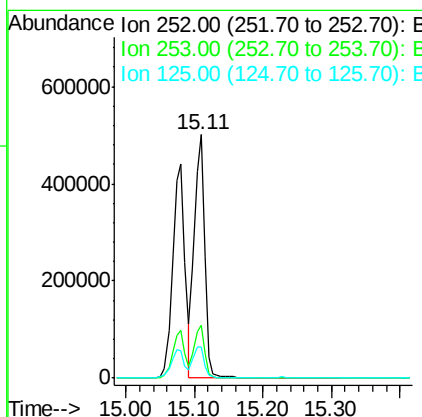
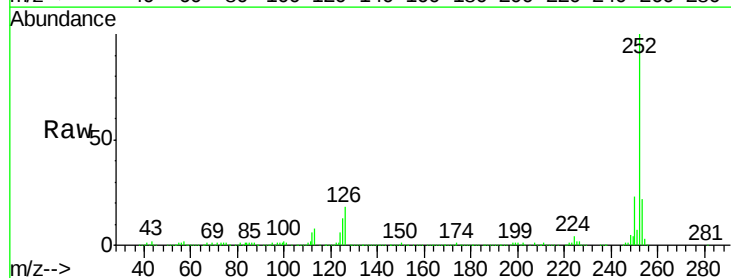
Instrument :  
BNA\_F  
ClientSampleId :

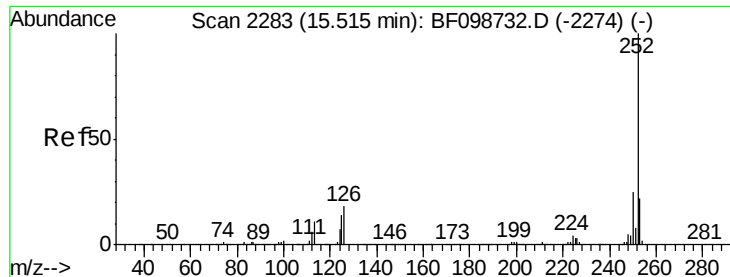
Tot Ion:252 Resp: 555143  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.0 25.6  
125 12.7 9.0 13.6



#88  
Benzo(k)fluoranthene  
Concen: 38.24 ng  
RT: 15.11 min Scan# 2214  
Delta R.T. -0.00 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:252 Resp: 525056  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.9 26.9  
125 13.0 10.2 15.2

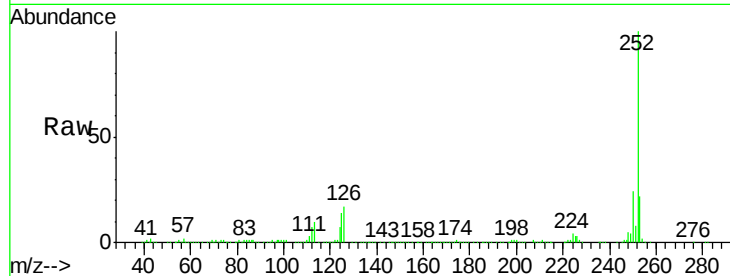




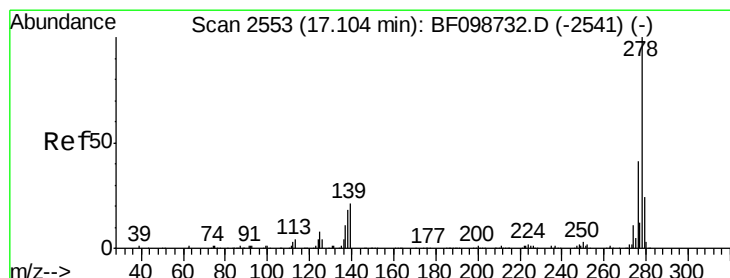
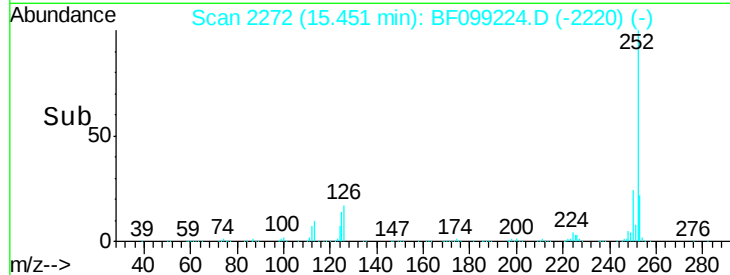
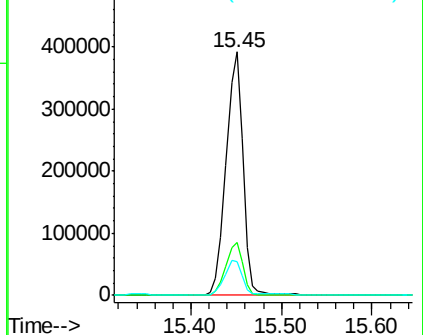
#89  
Benzo(a)pyrene  
Concen: 40.15 ng  
RT: 15.45 min Scan# 2272  
Delta R.T. 0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:252 Resp: 512351  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.1 25.7  
125 13.9 9.8 14.6

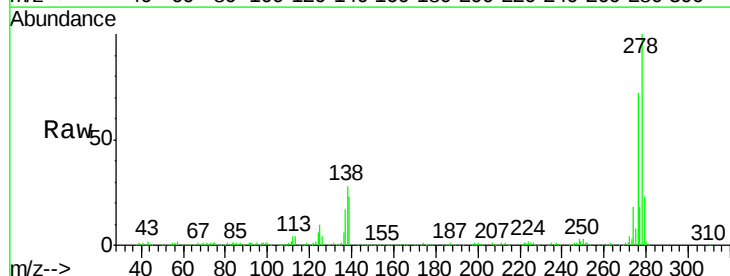


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

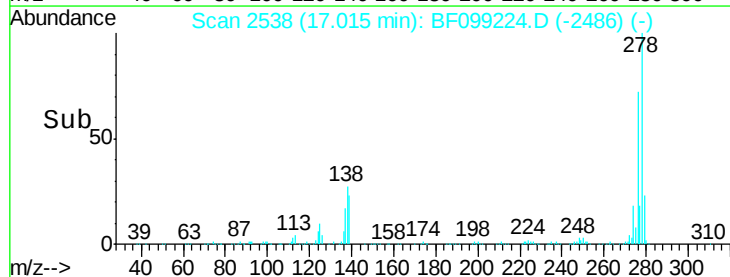
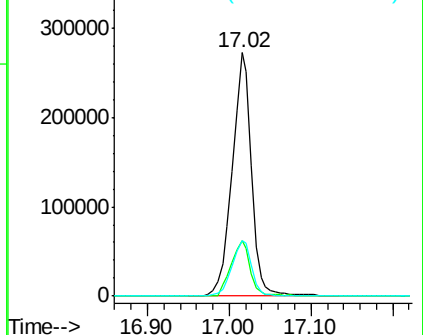


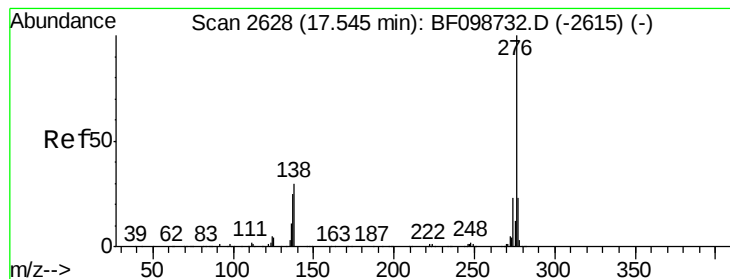
#90  
Dibenzo(a,h)anthracene  
Concen: 44.19 ng  
RT: 17.02 min Scan# 2538  
Delta R.T. 0.01 min  
Lab File: BF099224.D  
Acq: 8 Oct 2017 11:25

Tgt Ion:278 Resp: 451275  
Ion Ratio Lower Upper  
278 100  
139 23.0 15.9 23.9  
279 22.9 19.0 28.4



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





#91

Benzo(a,h,i)perylene

Concen: 47.51 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.01 min

Lab File: BF099224.D

Acq: 8 Oct 2017 11:25

Instrument :

BNA\_F

ClientSampleId :

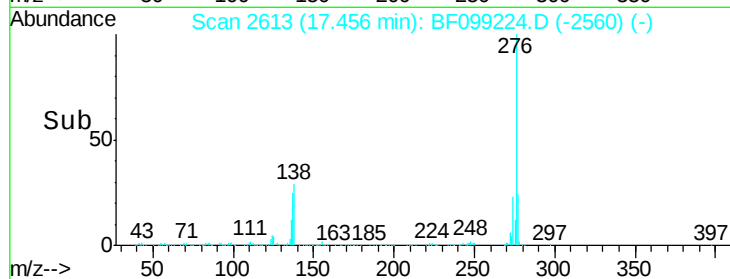
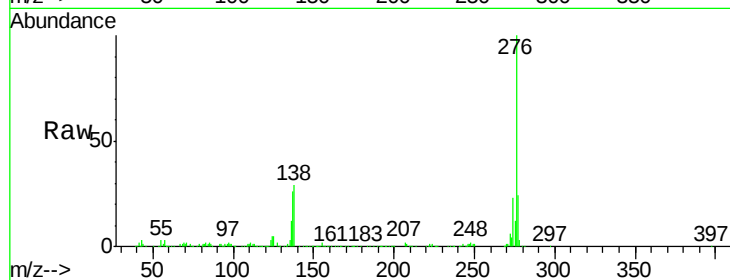
Tot Ion:276 Resp: 479628

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 29.3 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

