

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\  
 Data File : BF100996.D  
 Acq On : 29 Nov 2017 23:25  
 Operator : SJ/JU  
 Sample : I6610-19 5X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 30 04:11:01 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 15:21:02 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 80141    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.14  | 136  | 297765   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.89  | 164  | 127504   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.38 | 188  | 205998   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.03 | 240  | 139313   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.50 | 264  | 138079   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.46  | 112 | 79882  | 15.98 | ng | -0.01 |
| 7) Phenol-d6             | 6.48  | 99  | 95566  | 15.50 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 55965  | 12.43 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.68 | 330 | 22010  | 16.94 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.21  | 172 | 126062 | 15.05 | ng | 0.00  |
| 78) Terphenyl-d14        | 12.96 | 244 | 84338  | 13.91 | ng | 0.00  |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.63 | 88  | 8340   | 3.423  | ng | 97     |
| 3) Pyridine                    | 3.44 | 79  | 20760  | 3.123  | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.35 | 42  | 12354  | 3.828  | ng | 88     |
| 6) Aniline                     | 6.52 | 93  | 20464  | 2.350  | ng | 95     |
| 8) 2-Chlorophenol              | 6.64 | 128 | 28970  | 5.477  | ng | 90     |
| 9) Benzaldehyde                | 6.40 | 77  | 13946  | 3.168  | ng | 93     |
| 10) Phenol                     | 6.49 | 94  | 36813  | 5.688  | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 6.59 | 93  | 27305  | 5.023  | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.79 | 146 | 32546  | 5.337  | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 6.87 | 146 | 32860  | 5.324  | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.02 | 146 | 32066  | 5.619  | ng | 94     |
| 15) Benzyl Alcohol             | 6.99 | 79  | 22532  | 4.683  | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45  | 43308  | 4.981  | ng | 100    |
| 17) 2-Methylphenol             | 7.10 | 107 | 23191  | 5.131  | ng | 97     |
| 18) Hexachloroethane           | 7.36 | 117 | 7991   | 3.927  | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70  | 20122  | 4.706  | ng | 93     |
| 20) 3+4-Methylphenols          | 7.26 | 107 | 31427  | 5.495  | ng | # 55   |
| 22) Acetophenone               | 7.26 | 105 | 39732  | 5.472  | ng | # 91   |
| 24) Nitrobenzene               | 7.43 | 77  | 26732  | 5.767  | ng | 94     |
| 25) Isophorone                 | 7.67 | 82  | 50730  | 5.360  | ng | 98     |
| 26) 2-Nitrophenol              | 7.75 | 139 | 12300  | 10.404 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.79 | 122 | 24247  | 5.715  | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 7.88 | 93  | 32189  | 5.199  | ng | 97     |
| 29) 2,4-Dichlorophenol         | 8.00 | 162 | 23885  | 5.897  | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 8.07 | 180 | 26393  | 6.024  | ng | 97     |
| 31) Naphthalene                | 8.16 | 128 | 102830 | 7.170  | ng | 99     |
| 32) Benzoic acid               | 7.79 | 122 | 24247  | 15.377 | ng | # 14   |
| 33) 4-Chloroaniline            | 8.21 | 127 | 17816  | 2.984  | ng | 94     |
| 34) Hexachlorobutadiene        | 8.27 | 225 | 15715  | 6.033  | ng | 95     |
| 35) Caprolactam                | 8.55 | 113 | 6297   | 4.530  | ng | 93     |
| 36) 4-Chloro-3-methylphenol    | 8.69 | 107 | 21867  | 5.027  | ng | 94     |
| 37) 2-Methylnaphthalene        | 8.85 | 142 | 64706  | 6.796  | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 25372  | 6.000  | ng | # 96   |
| 42) 2,4,6-Trichlorophenol      | 9.13 | 196 | 16383  | 6.113  | ng | 98     |

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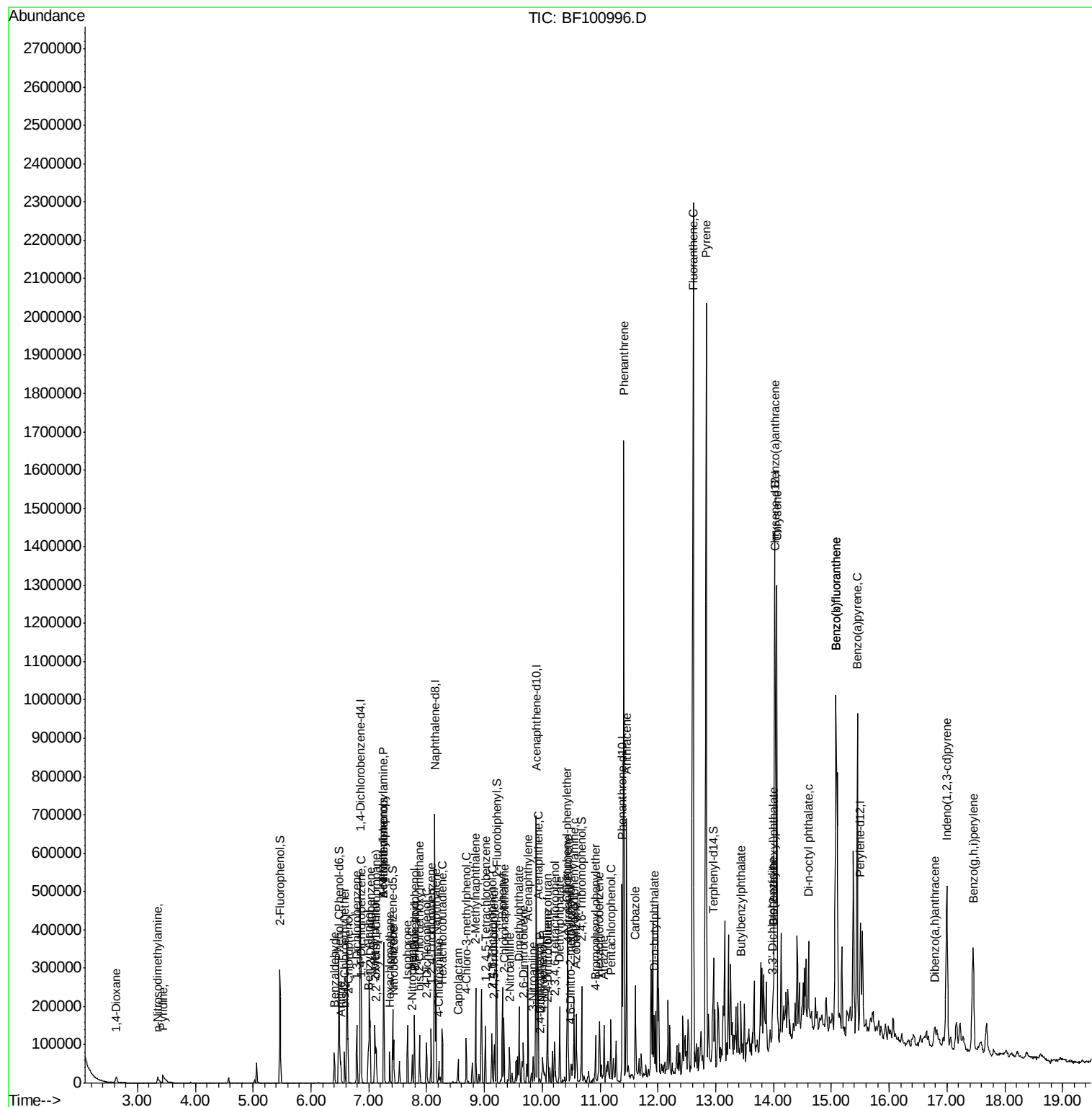
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| -----                          |       |      |          |         |       |          |
| 43) 2,4,5-Trichlorophenol      | 9.17  | 196  | 16387    | 5.901   | nq    | # 93     |
| 45) 1,1'-Biphenyl              | 9.31  | 154  | 68553    | 6.216   | nq    | 96       |
| 46) 2-Chloronaphthalene        | 9.34  | 162  | 49711    | 6.214   | nq    | 93       |
| 47) 2-Nitroaniline             | 9.43  | 65   | 12652    | 7.826   | nq    | 95       |
| 48) Acenaphthylene             | 9.75  | 152  | 121652   | 9.176   | nq    | 100      |
| 49) Dimethylphthalate          | 9.60  | 163  | 69147    | 7.103   | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.67  | 165  | 10131    | 5.257   | nq    | 88       |
| 51) Acenaphthene               | 9.93  | 154  | 77700    | 9.636   | nq    | 99       |
| 52) 3-Nitroaniline             | 9.85  | 138  | 10707    | 4.705   | nq    | 89       |
| 53) 2,4-Dinitrophenol          | 9.96  | 184  | 1242     | 9.837   | nq    | # 33     |
| 54) Dibenzofuran               | 10.10 | 168  | 88495    | 7.830   | nq    | 96       |
| 55) 4-Nitrophenol              | 10.01 | 139  | 13327    | 7.213   | nq    | 88       |
| 56) 2,4-Dinitrotoluene         | 10.08 | 165  | 12381    | 5.093   | nq    | # 86     |
| 57) Fluorene                   | 10.44 | 166  | 94412    | 11.404  | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.22 | 232  | 12144    | 5.336   | nq    | # 86     |
| 59) Diethylphthalate           | 10.30 | 149  | 56319    | 5.781   | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.43 | 204  | 26007    | 6.403   | nq    | 92       |
| 61) 4-Nitroaniline             | 10.45 | 138  | 11253    | 5.215   | nq    | 93       |
| 62) Azobenzene                 | 10.59 | 77   | 43716    | 4.764   | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 10.49 | 198  | 1638     | 9.864   | nq    | 90       |
| 65) n-Nitrosodiphenylamine     | 10.55 | 169  | 48993    | 6.840   | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 10.92 | 248  | 15002    | 6.794   | nq    | # 82     |
| 67) Hexachlorobenzene          | 10.99 | 284  | 13765    | 5.960   | nq    | # 88     |
| 68) Atrazine                   | 11.07 | 200  | 13004    | 5.998   | nq    | 93       |
| 69) Pentachlorophenol          | 11.19 | 266  | 10525    | 6.355   | nq    | 97       |
| 70) Phenanthrene               | 11.41 | 178  | 688324   | 63.463  | nq    | 99       |
| 71) Anthracene                 | 11.46 | 178  | 257372   | 23.389  | nq    | 98       |
| 72) Carbazole                  | 11.61 | 167  | 86931    | 8.562   | nq    | 97       |
| 73) Di-n-butylphthalate        | 11.93 | 149  | 77063    | 6.486   | nq    | 98       |
| 74) Fluoranthene               | 12.61 | 202  | 1074399  | 93.468  | nq    | 95       |
| 77) Pyrene                     | 12.84 | 202  | 975231   | 98.203  | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.43 | 149  | 32333    | 7.984   | nq    | 97       |
| 80) Benzo(a)anthracene         | 14.02 | 228  | 571930   | 68.173  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.97 | 252  | 14777    | 4.916   | nq    | 99       |
| 82) Chrysene                   | 14.06 | 228  | 471989   | 58.098  | nq    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 37319    | 7.006   | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.60 | 149  | 70922    | 7.750   | nq    | # 99     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.00 | 276  | 268484   | 40.858  | nq    | # 89     |
| 87) Benzo(b)fluoranthene       | 15.08 | 252  | 791353   | 96.737  | nq    | 96       |
| 88) Benzo(k)fluoranthene       | 15.08 | 252  | 791353   | 102.383 | nq    | 97       |
| 89) Benzo(a)pyrene             | 15.45 | 252  | 417749   | 57.603  | nq    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.79 | 278  | 38426    | 6.479   | nq    | 95       |
| 91) Benzo(g,h,i)perylene       | 17.45 | 276  | 237501   | 40.908  | nq    | # 89     |
| -----                          |       |      |          |         |       |          |

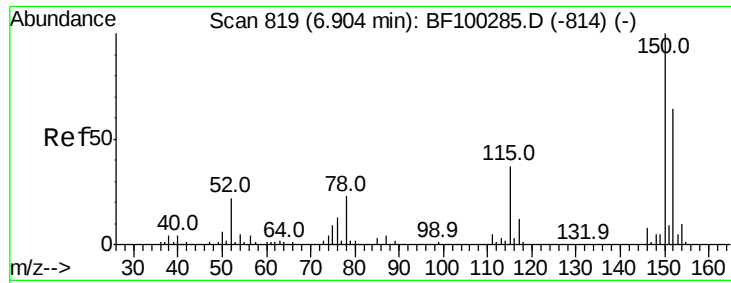
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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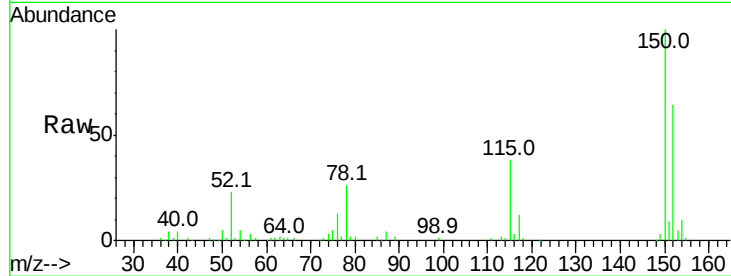


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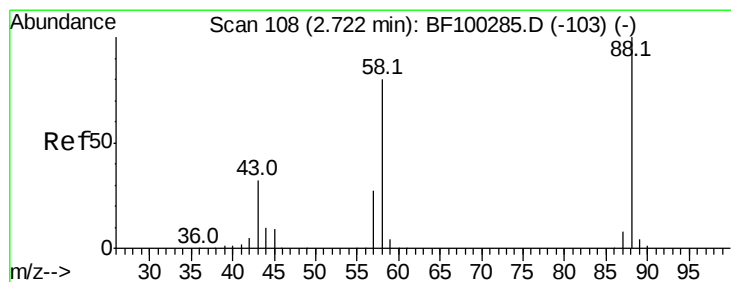
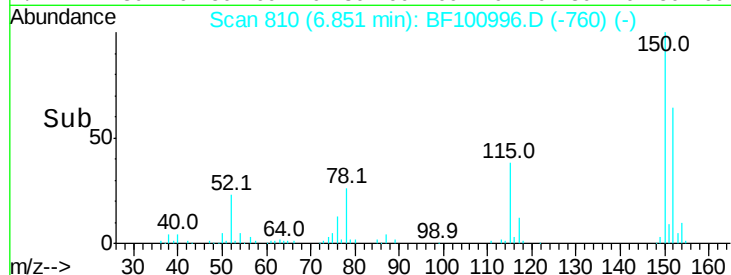
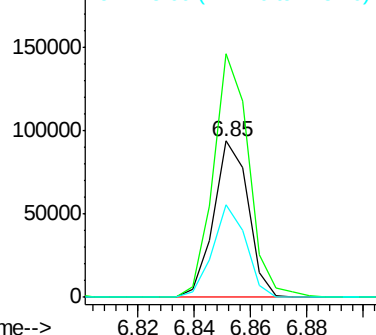
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 80141  
Ion Ratio Lower Upper  
152 100  
150 155.9 124.6 186.8  
115 59.3 50.1 75.1



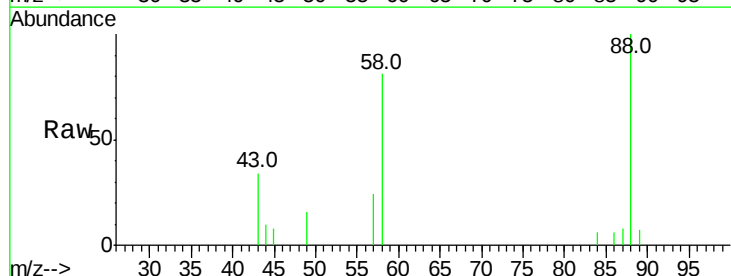
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



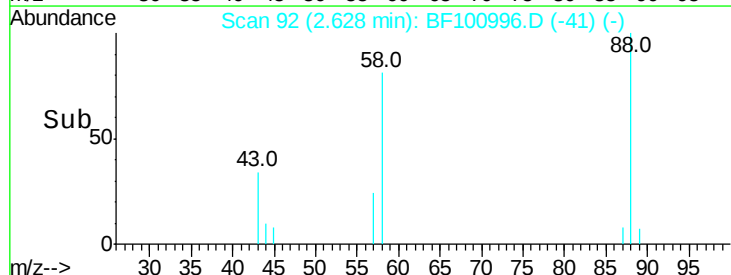
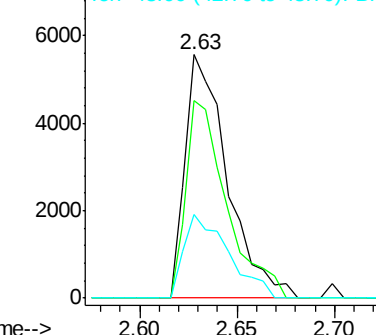
#2

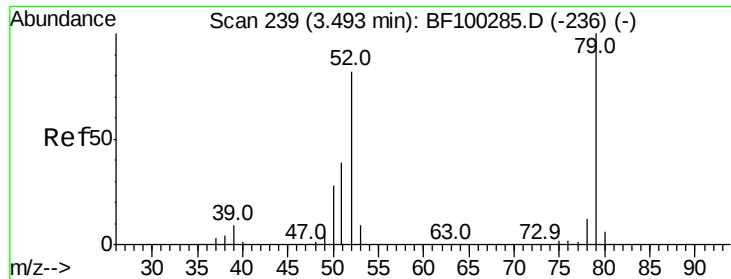
1,4-Dioxane  
Concen: 3.423 ng  
RT: 2.63 min Scan# 92  
Delta R.T. -0.00 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Tgt Ion: 88 Resp: 8340  
Ion Ratio Lower Upper  
88 100  
58 78.3 62.6 93.8  
43 36.0 24.6 37.0



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

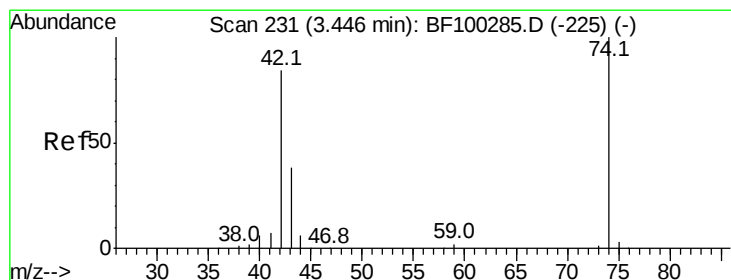
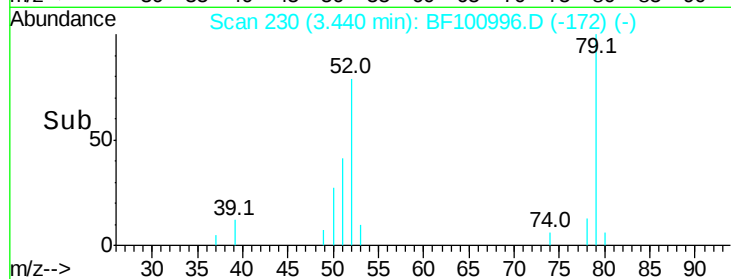
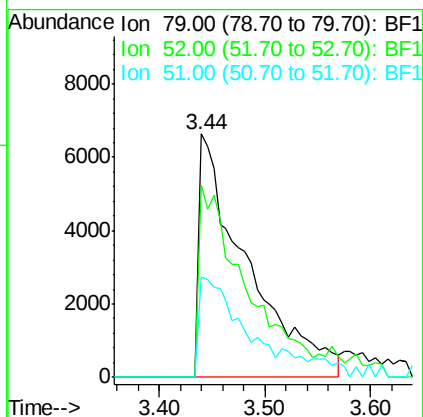
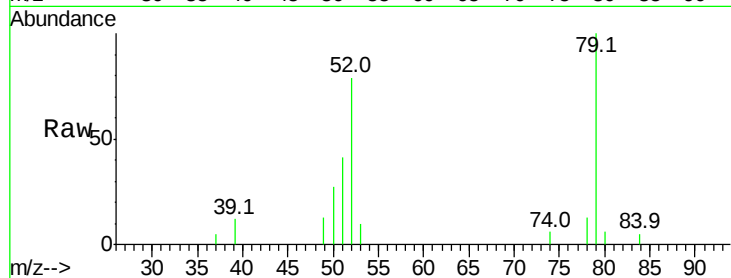




#3  
 Pvridine  
 Concen: 3.123 ng  
 RT: 3.44 min Scan# 230  
 Delta R.T. 0.04 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

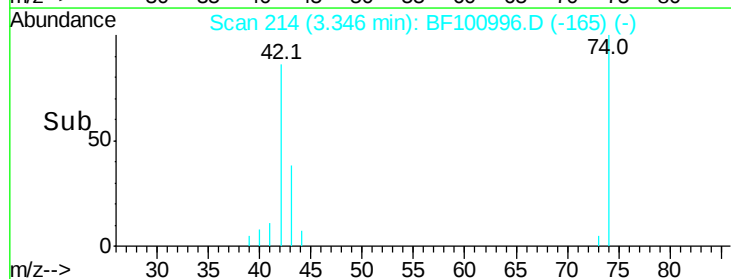
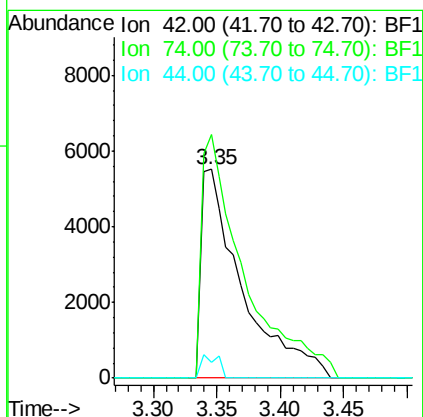
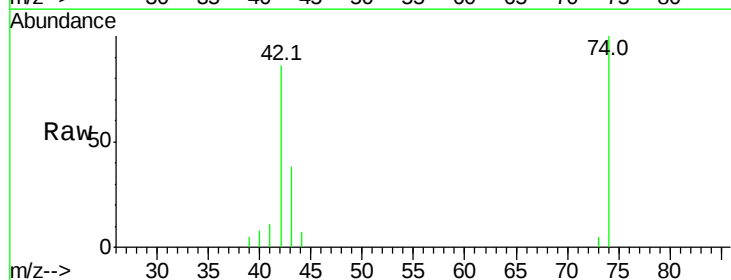
Instrument :  
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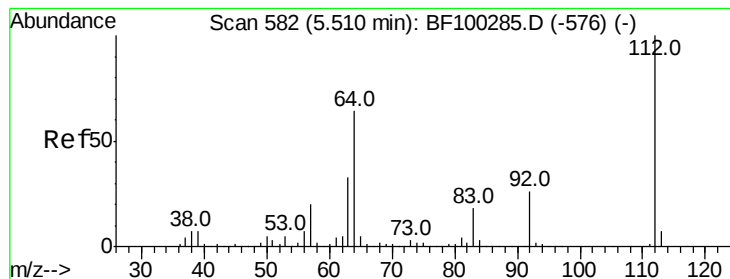
Tot Ion: 79 Resp: 20760  
 Ion Ratio Lower Upper  
 79 100  
 52 78.9 59.8 89.6  
 51 41.2 29.8 44.8



#4  
 n-Nitrosodimethylamine  
 Concen: 3.828 ng  
 RT: 3.35 min Scan# 214  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Tgt Ion: 42 Resp: 12354  
 Ion Ratio Lower Upper  
 42 100  
 74 116.6 104.9 157.3  
 44 7.7 6.9 10.3





#5

2-Fluorophenol

Concen: 15.978 ng

RT: 5.46 min Scan# 574

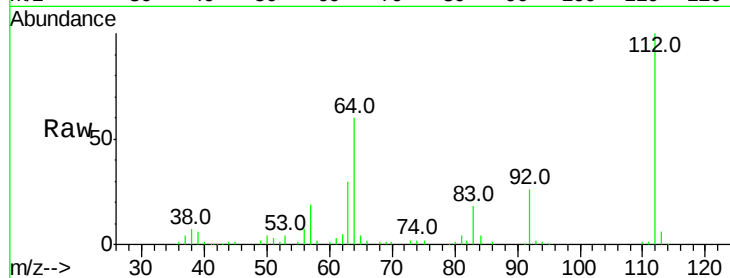
Delta R.T. -0.01 min

Lab File: BF100996.D

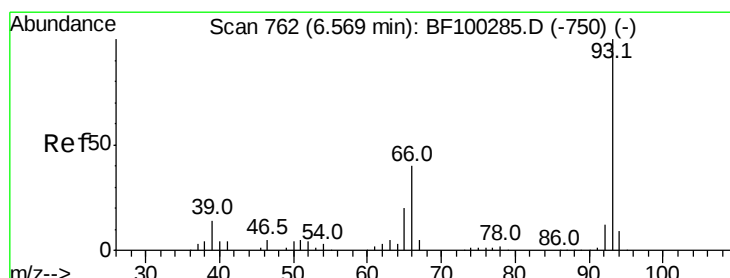
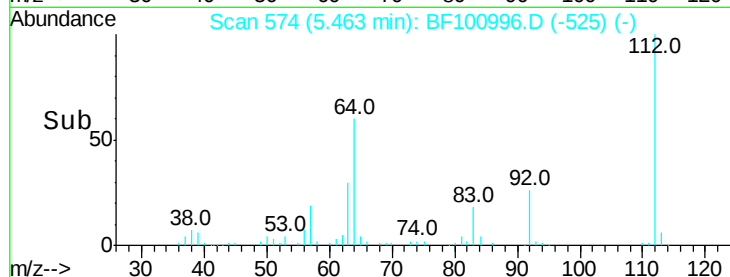
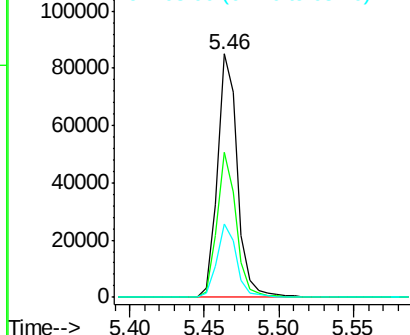
Acq: 29 Nov 2017 23:25

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 112   | Resp: | 79882 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 59.7  | 47.9  | 71.9  |
| 63       | 30.2  | 23.7  | 35.5  |



Abundance Ion 112.00 (111.70 to 112.70): BF1  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 2.350 ng

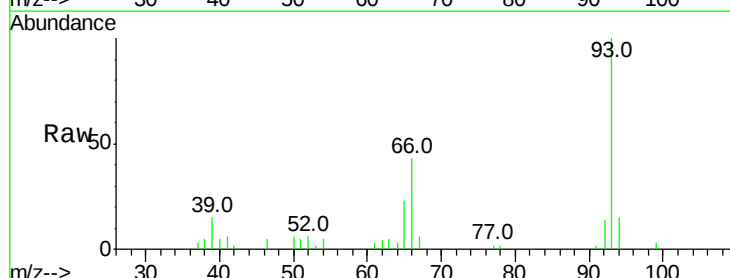
RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

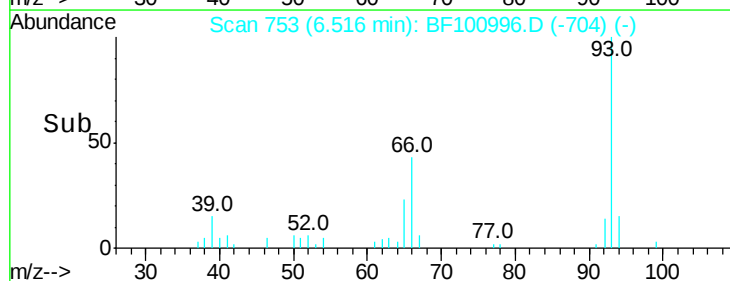
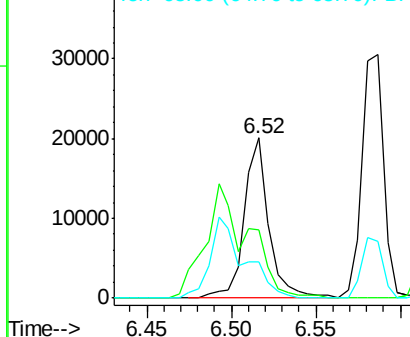
Lab File: BF100996.D

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 20464 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 42.9  | 32.2  | 48.2  |
| 65       | 22.9  | 16.4  | 24.6  |



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 15.501 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

BNA\_F

ClientSampleId :

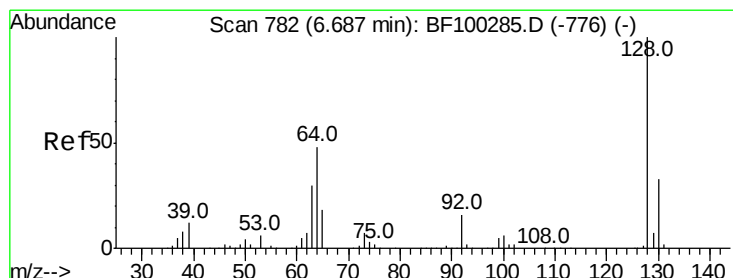
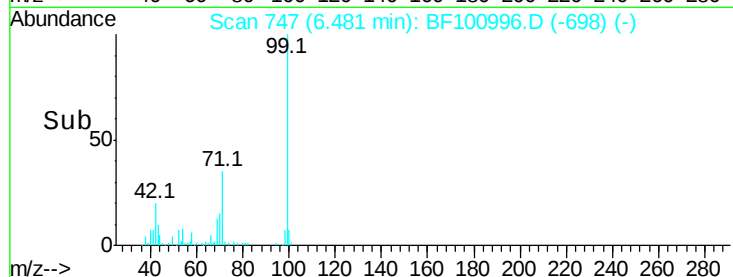
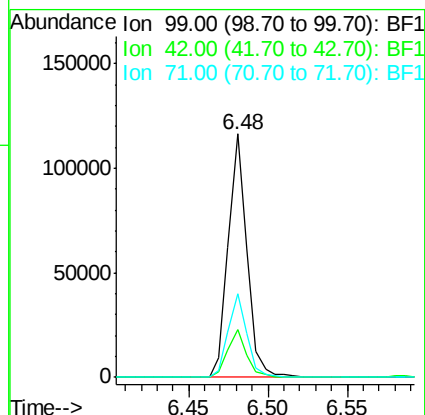
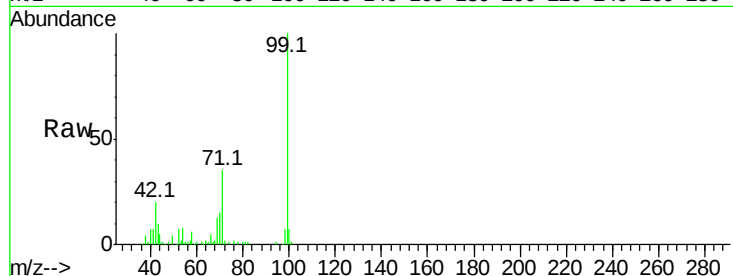
Tot Ion: 99 Resp: 95566

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 34.5 25.4 38.0



#8

2-Chlorophenol

Concen: 5.477 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.01 min

Lab File: BF100996.D

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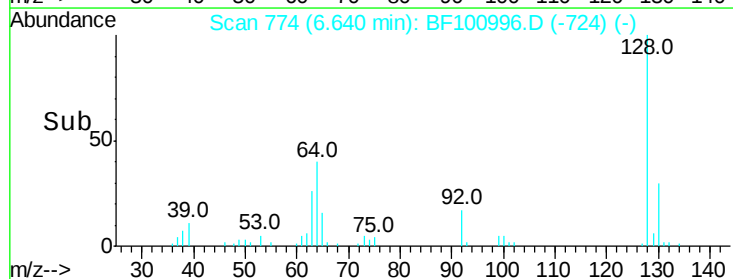
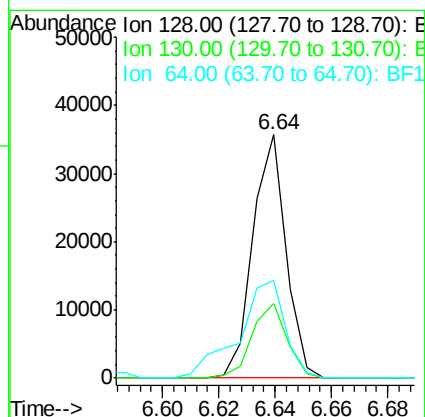
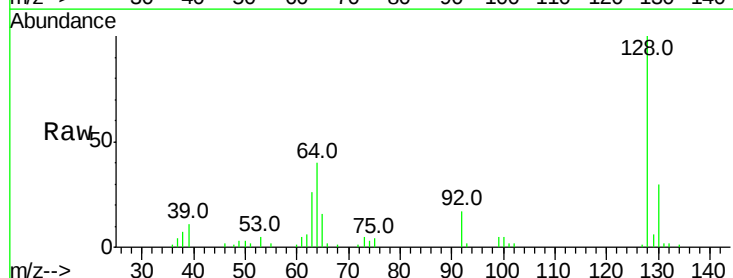
Tgt Ion: 128 Resp: 28970

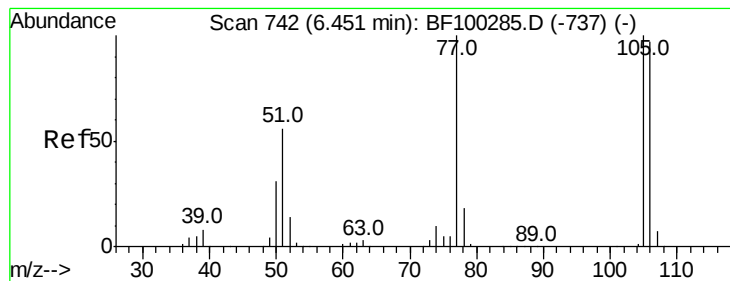
Ion Ratio Lower Upper

128 100

130 30.4 13.0 53.0

64 40.4 29.4 69.4





#9

Benzaldehyde

Concen: 3.168 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

BNA\_F

ClientSampled :

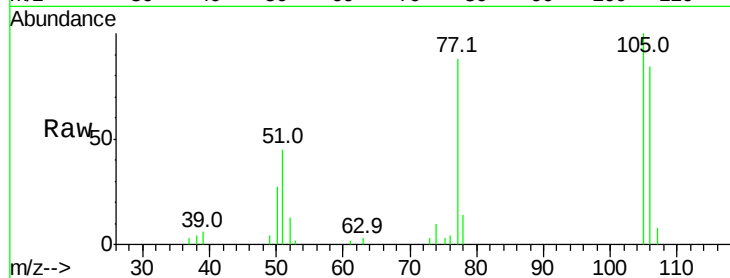
Tot Ion: 77 Resp: 13946

Ion Ratio Lower Upper

77 100

105 114.0 81.1 121.1

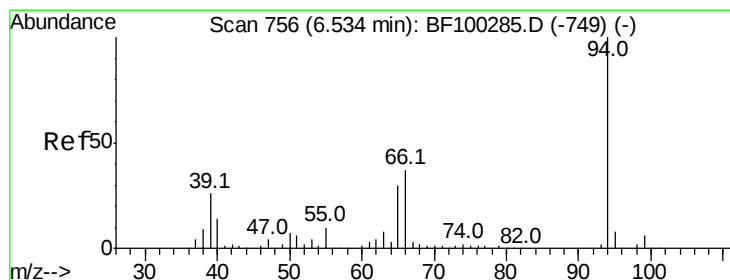
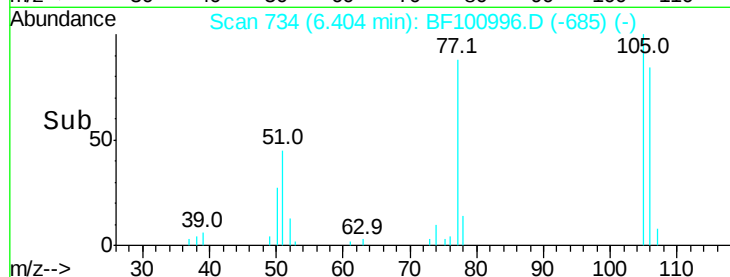
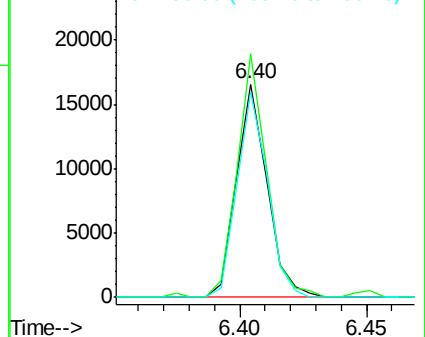
106 96.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 5.688 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

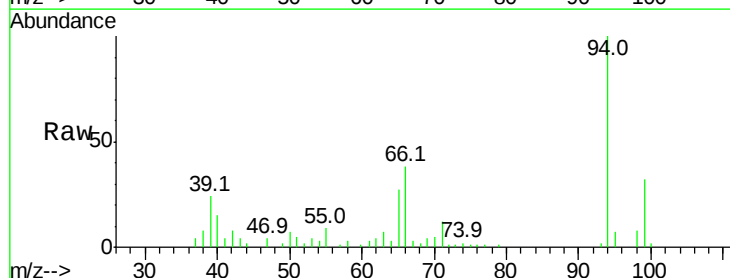
Tgt Ion: 94 Resp: 36813

Ion Ratio Lower Upper

94 100

65 27.0 7.9 47.9

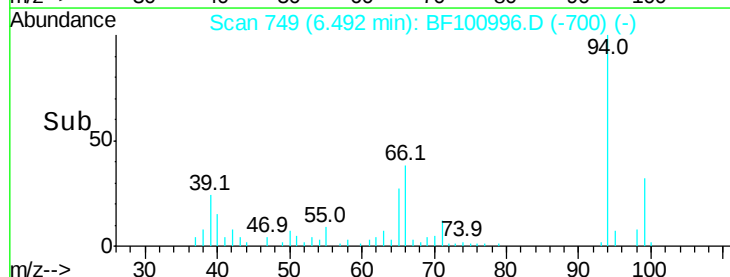
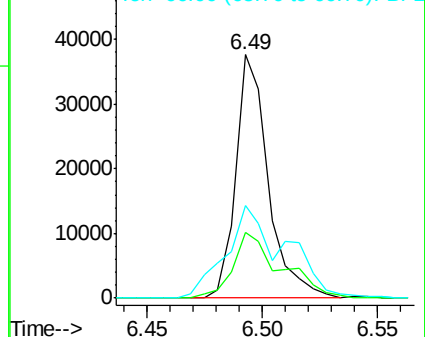
66 38.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



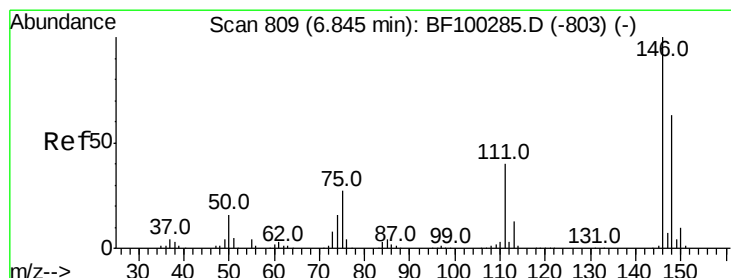
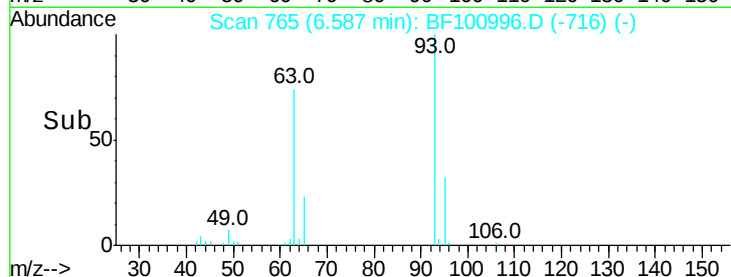
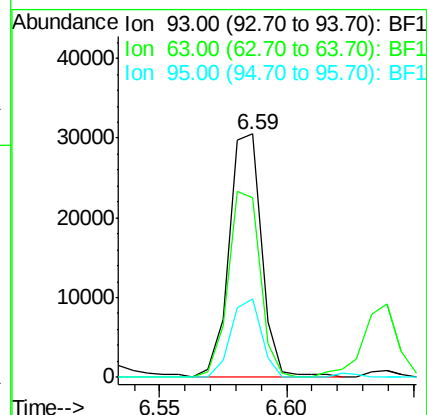
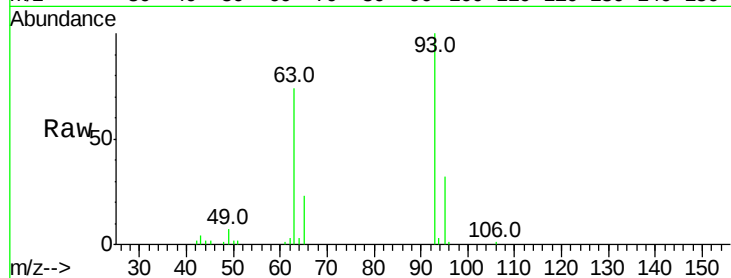


#11

bis(2-Chloroethyl)ether  
Concen: 5.023 ng  
RT: 6.59 min Scan# 765  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Instrument :  
BNA\_F  
ClientSampleId :

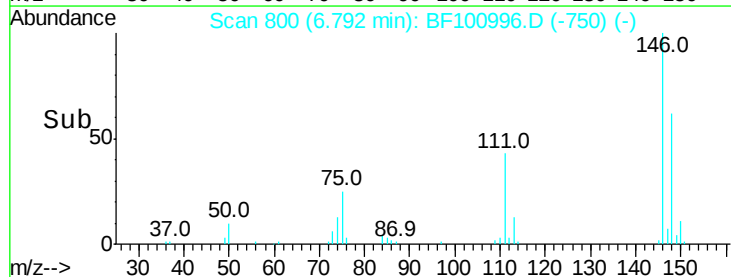
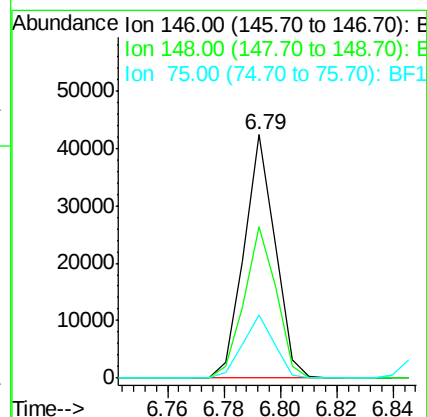
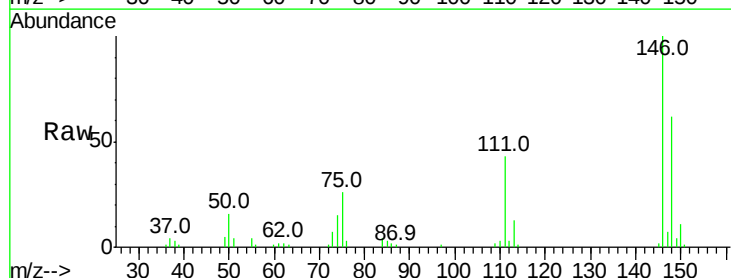
Tot Ion: 93 Resp: 27305  
Ion Ratio Lower Upper  
93 100  
63 74.0 58.6 98.6  
95 32.4 11.8 51.8

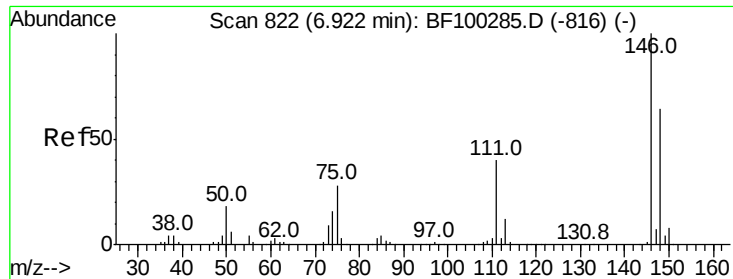


#12

1,3-Dichlorobenzene  
Concen: 5.337 ng  
RT: 6.79 min Scan# 800  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Tgt Ion: 146 Resp: 32546  
Ion Ratio Lower Upper  
146 100  
148 62.3 51.8 77.8  
75 25.9 24.2 36.4

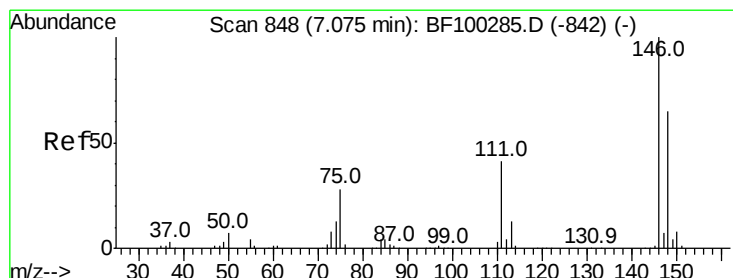
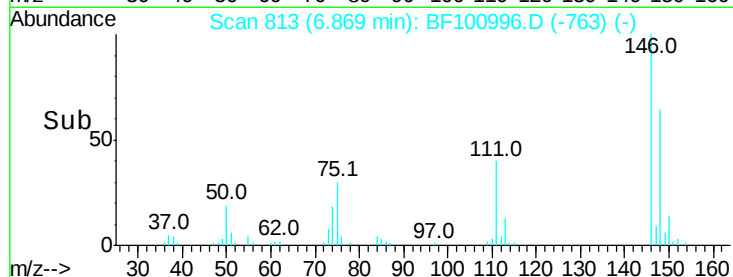
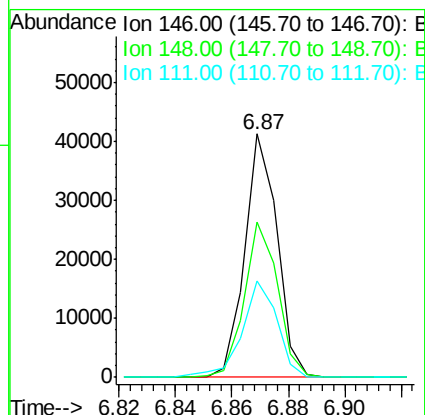
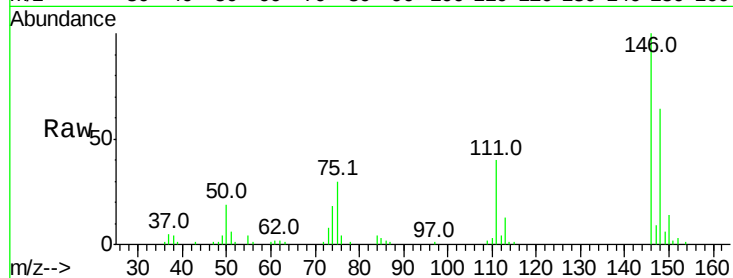




#13  
 1,4-Dichlorobenzene  
 Concen: 5.324 ng  
 RT: 6.87 min Scan# 813  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

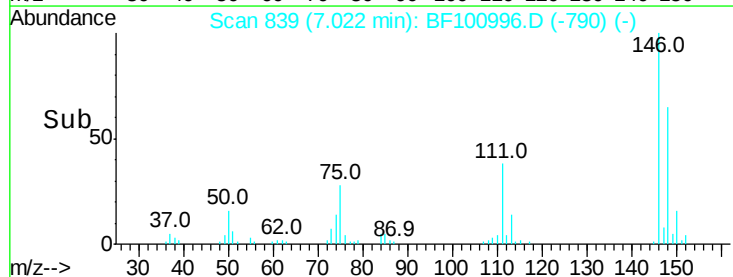
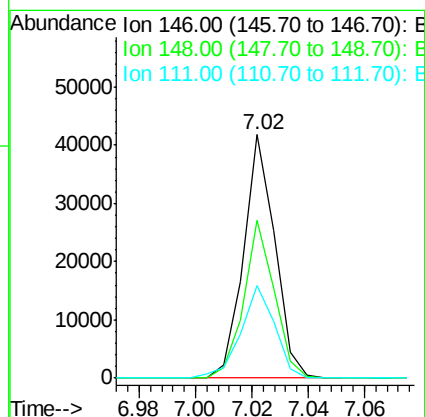
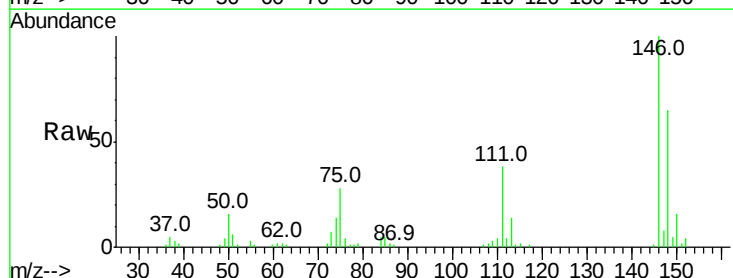
Instrument :  
 BNA\_F  
 ClientSampleId :

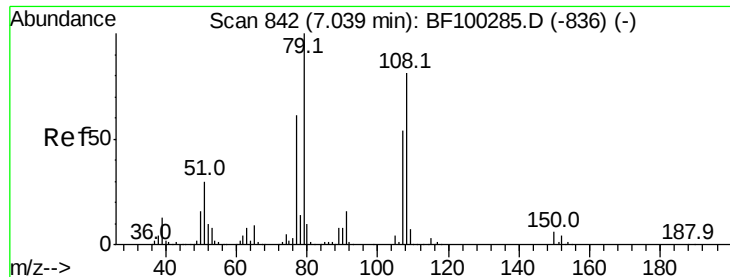
Tot Ion:146 Resp: 32860  
 Ion Ratio Lower Upper  
 146 100  
 148 63.8 50.8 76.2  
 111 39.6 34.2 51.2



#14  
 1,2-Dichlorobenzene  
 Concen: 5.619 ng  
 RT: 7.02 min Scan# 839  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Tgt Ion:146 Resp: 32066  
 Ion Ratio Lower Upper  
 146 100  
 148 64.8 50.6 75.8  
 111 38.0 36.0 54.0





#15

Benzyl Alcohol

Concen: 4.683 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

BNA\_F

ClientSampleId :

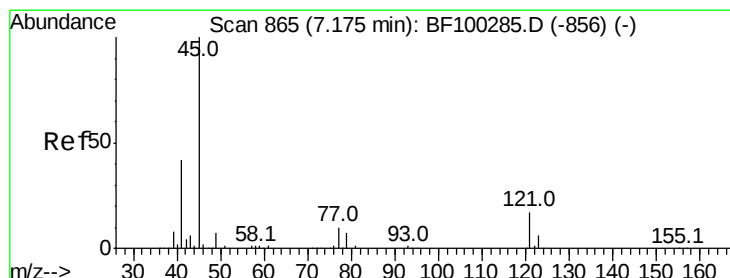
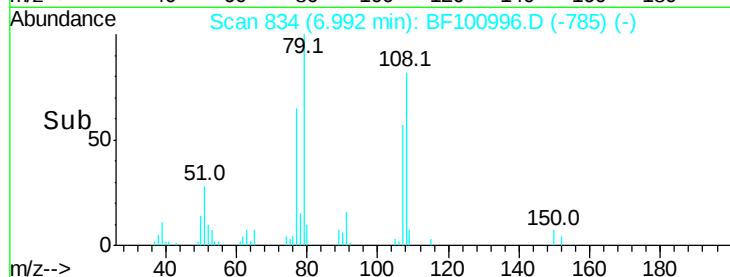
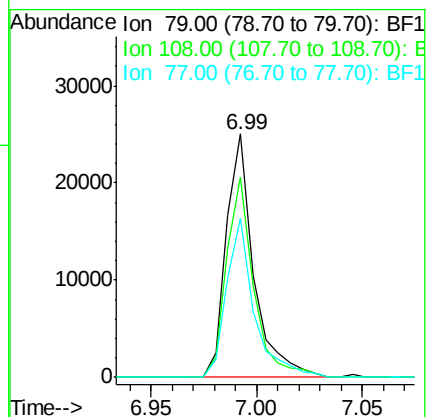
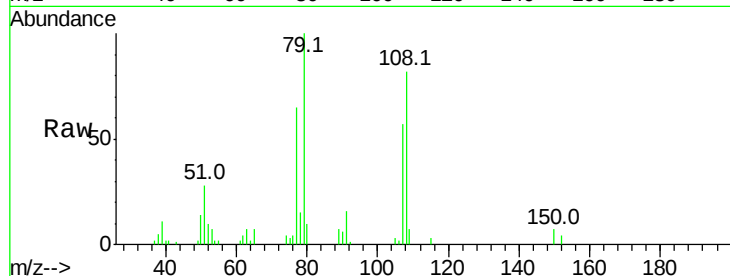
Tot Ion: 79 Resp: 22532

Ion Ratio Lower Upper

79 100

108 82.1 65.1 97.7

77 65.4 50.6 75.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.981 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

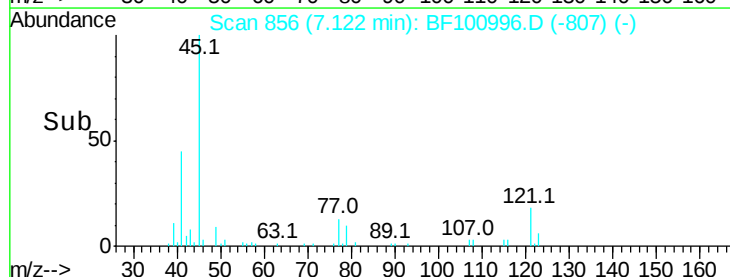
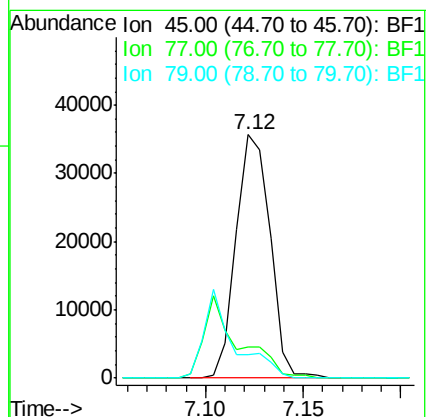
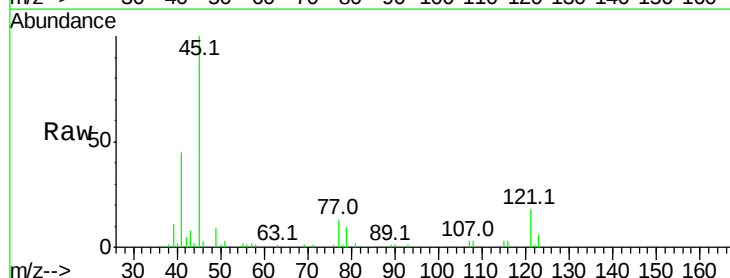
Tgt Ion: 45 Resp: 43308

Ion Ratio Lower Upper

45 100

77 12.8 0.0 32.9

79 9.7 0.0 29.6

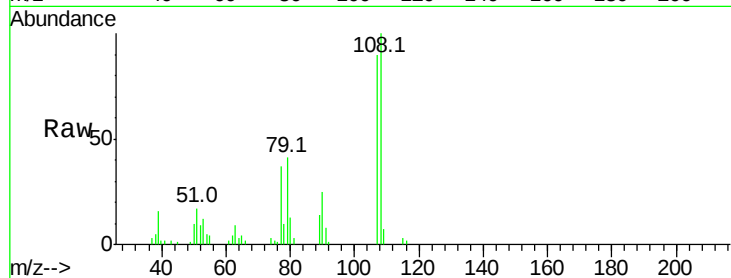




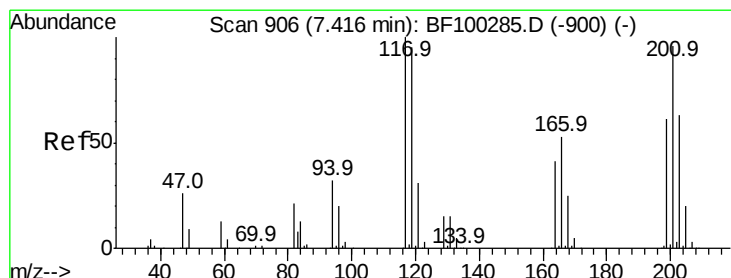
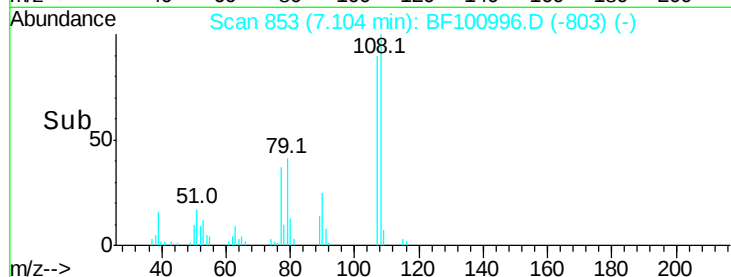
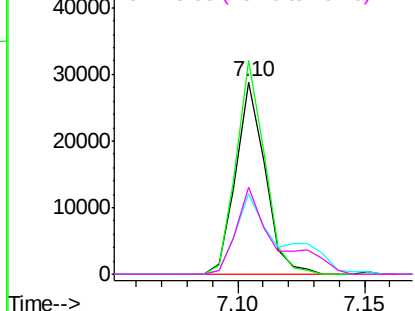
#17  
2-Methylphenol  
Concen: 5.131 ng  
RT: 7.10 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 110.9 | 91.7  | 137.5 |
| 77      | 41.6  | 33.8  | 50.8  |
| 79      | 45.1  | 33.8  | 50.8  |

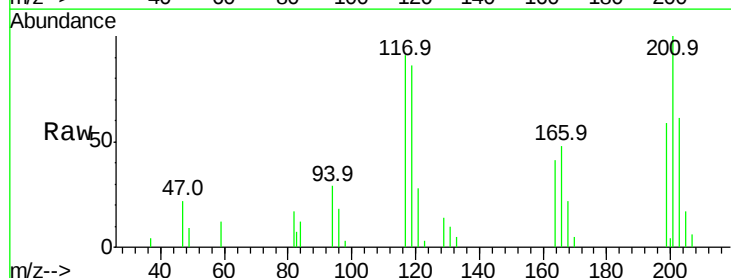


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

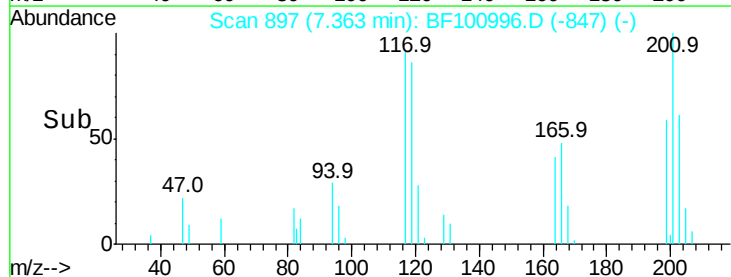
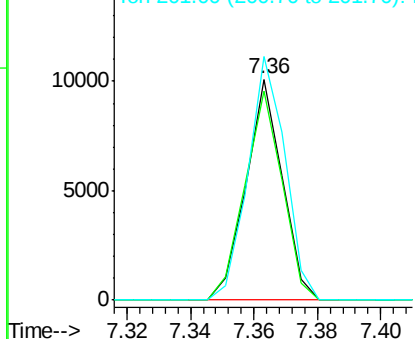


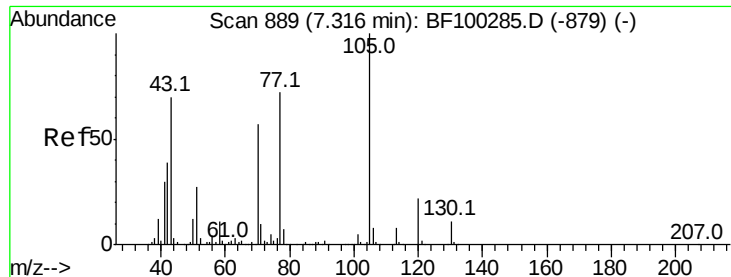
#18  
Hexachloroethane  
Concen: 3.927 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.9  | 75.8  | 113.8 |
| 201     | 110.3 | 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

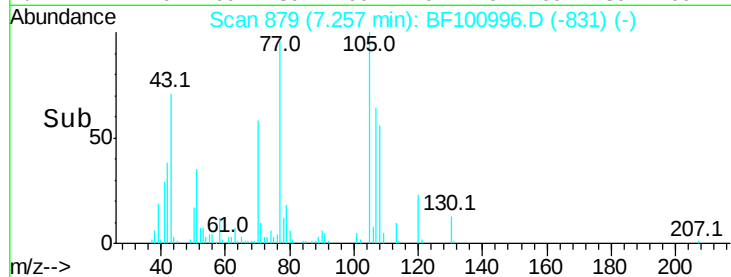
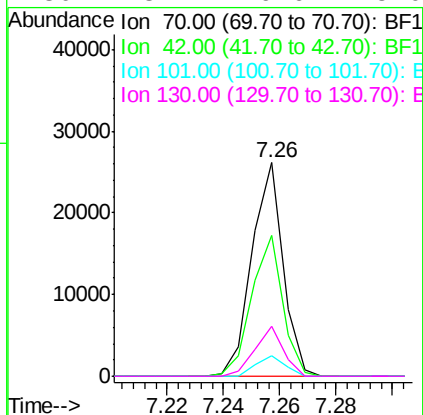
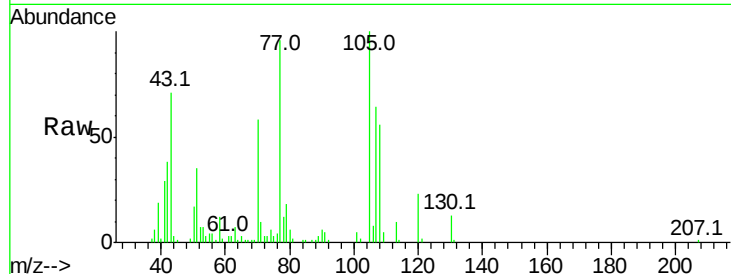




#19  
n-Nitroso-di-n-propylamine  
Concen: 4.706 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.02 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

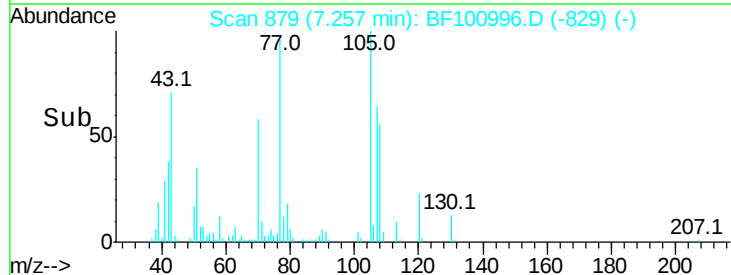
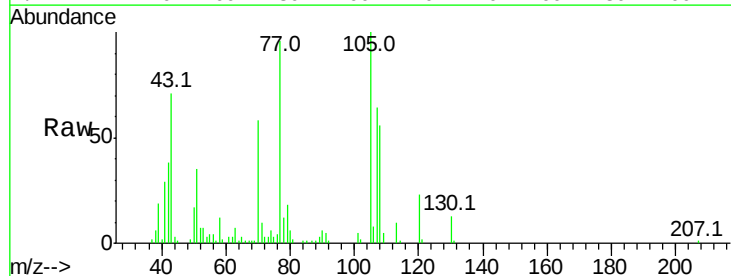
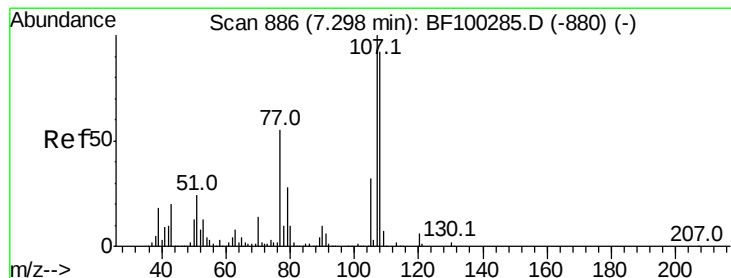
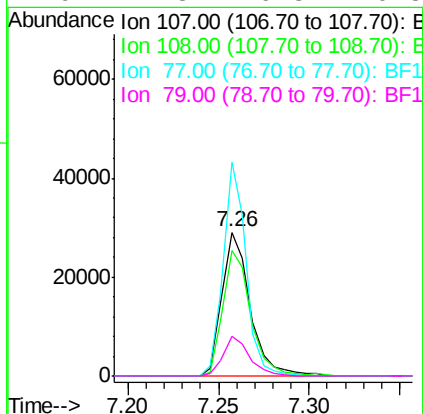
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 20122  
Ion Ratio Lower Upper  
70 100  
42 66.2 47.5 71.3  
101 9.4 7.4 11.2  
130 23.2 16.6 25.0



#20  
3+4-Methylphenols  
Concen: 5.495 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Tgt Ion:107 Resp: 31427  
Ion Ratio Lower Upper  
107 100  
108 87.5 68.2 108.2  
77 148.7 26.7 66.7#  
79 27.3 6.3 46.3

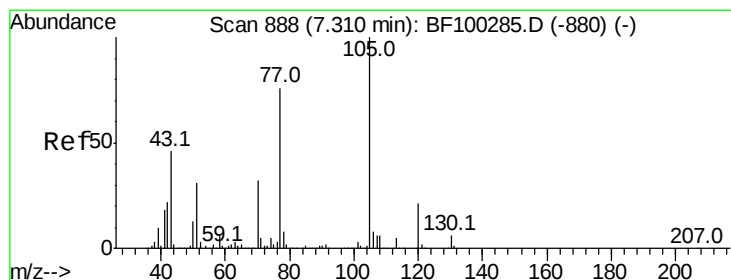
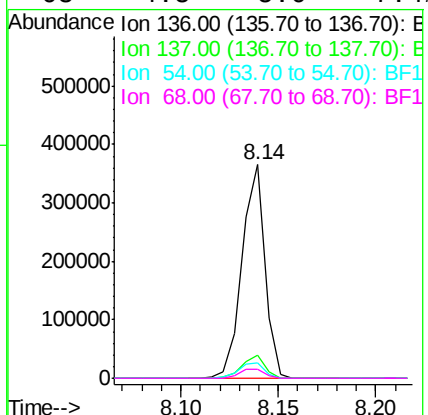
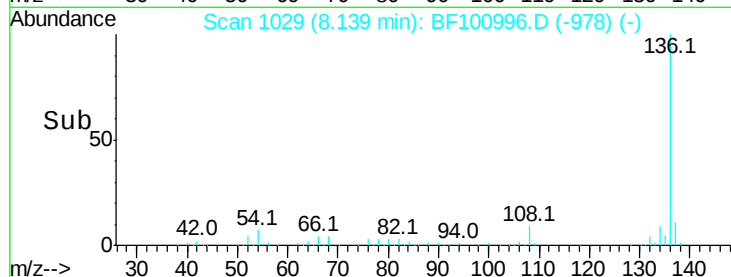
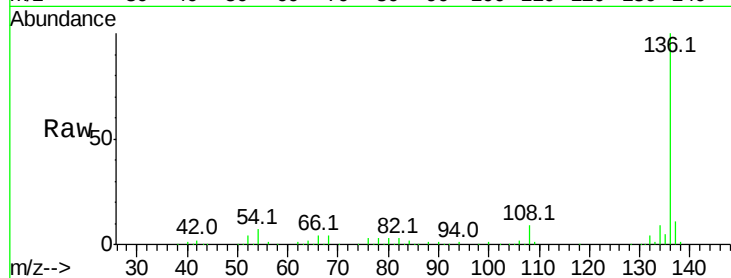




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.00 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

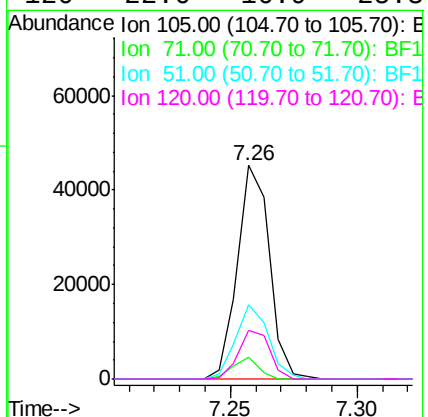
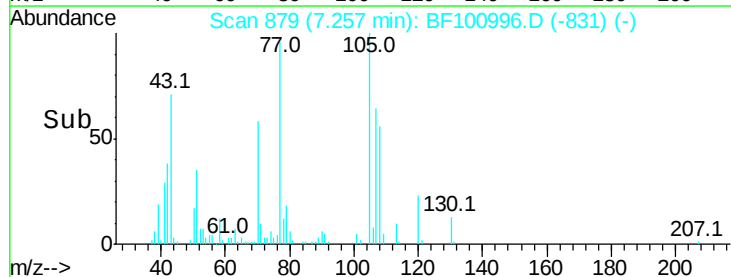
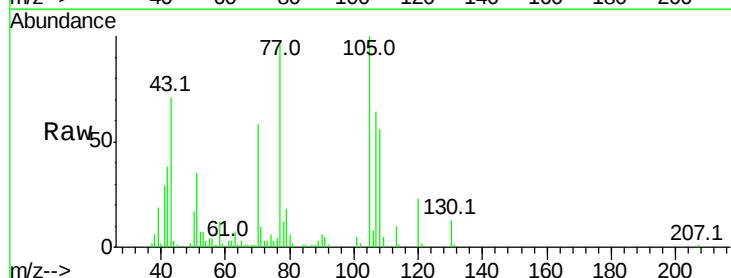
Instrument :  
BNA\_F  
ClientSampled :

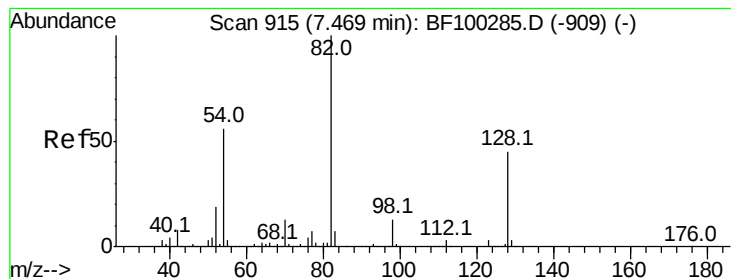
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 297765 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.9   | 13.3   |
| 54       | 7.3   | 6.6   | 9.8    |
| 68       | 4.5   | 5.0   | 7.4#   |



#22  
Acetophenone  
Concen: 5.472 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.02 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 39732 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 10.1  | 4.4   | 6.6#  |
| 51       | 34.6  | 22.3  | 33.5# |
| 120      | 22.6  | 16.9  | 25.3  |





#23

Nitrobenzene-d5

Concen: 12.426 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

BNA\_F

ClientSampled :

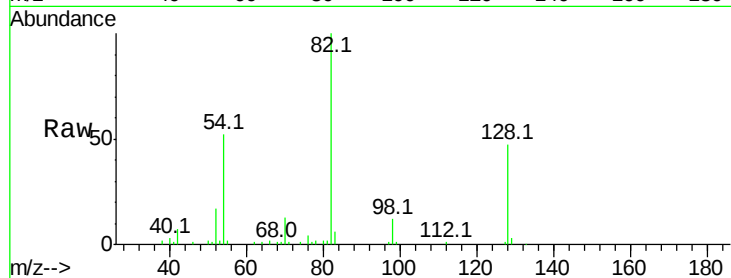
Tot Ion: 82 Resp: 55965

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

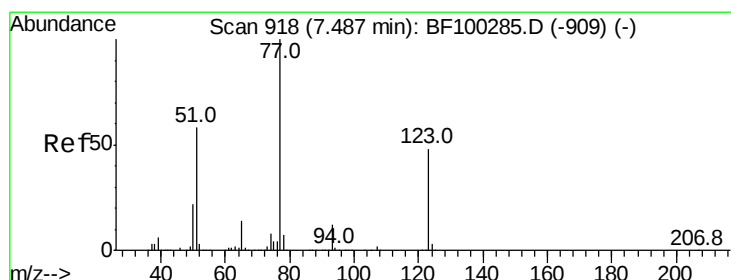
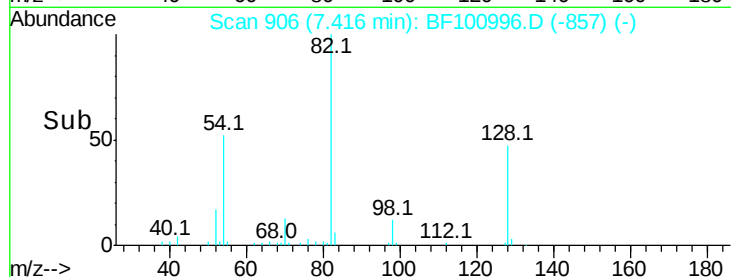
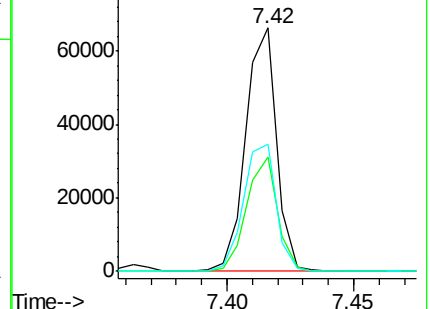
54 52.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 5.767 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

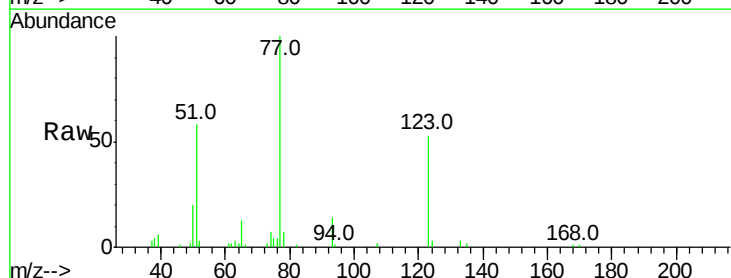
Tgt Ion: 77 Resp: 26732

Ion Ratio Lower Upper

77 100

123 52.7 37.9 56.9

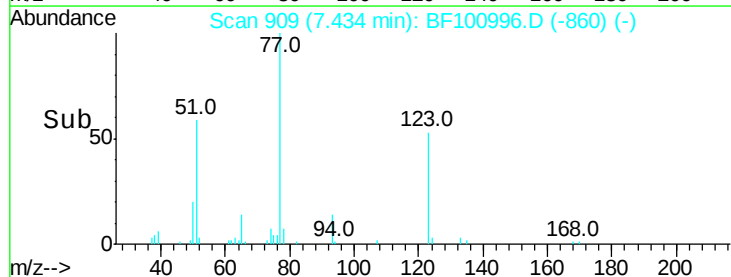
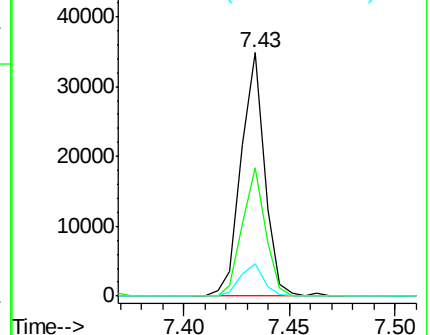
65 13.4 11.0 16.4

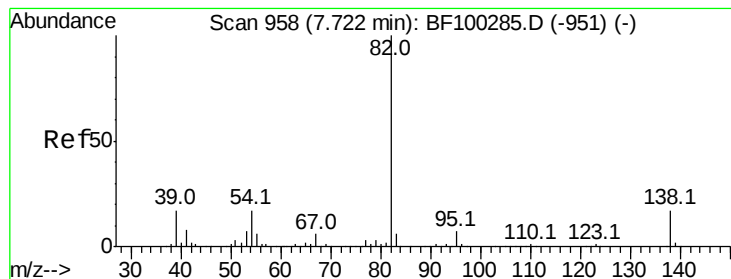


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 5.360 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

BNA\_F

ClientSampleId :

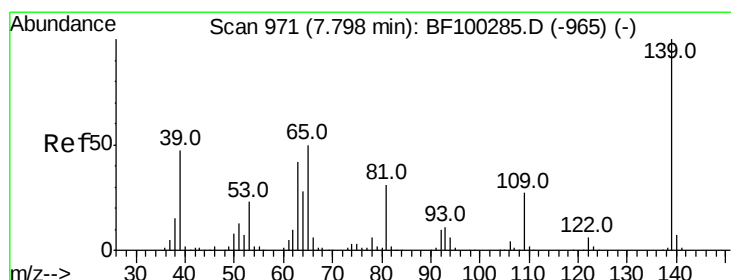
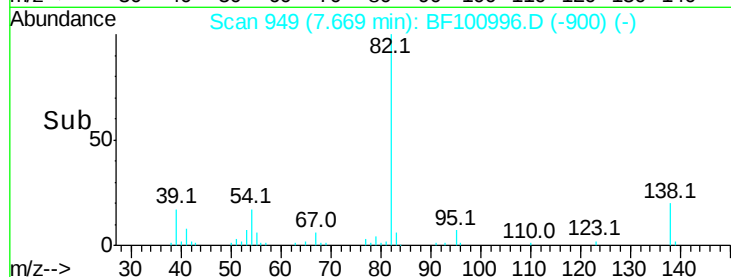
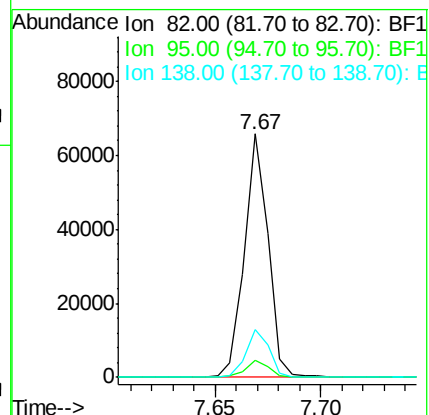
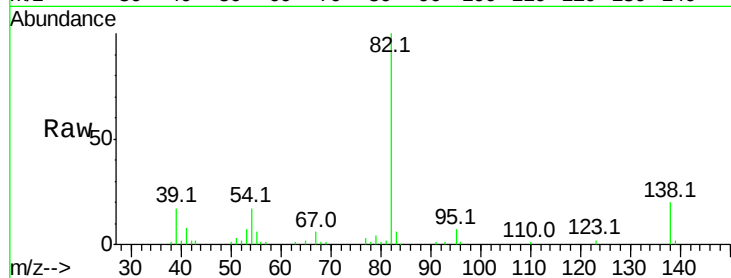
Tot Ion: 82 Resp: 50730

Ion Ratio Lower Upper

82 100

95 7.1 5.2 7.8

138 19.5 14.9 22.3



#26

2-Nitrophenol

Concen: 10.404 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

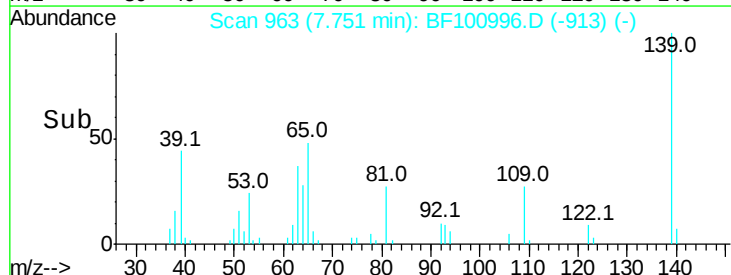
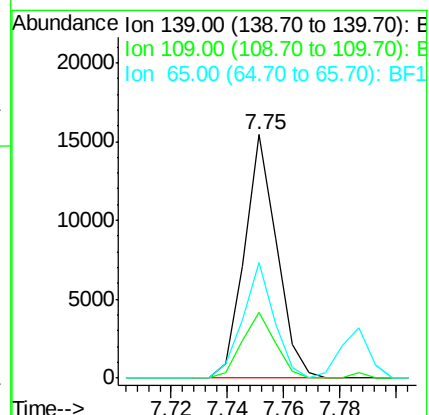
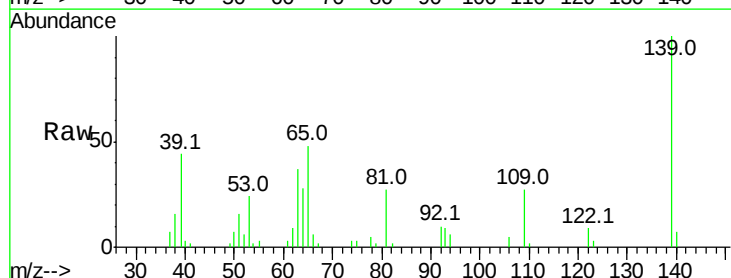
Tgt Ion: 139 Resp: 12300

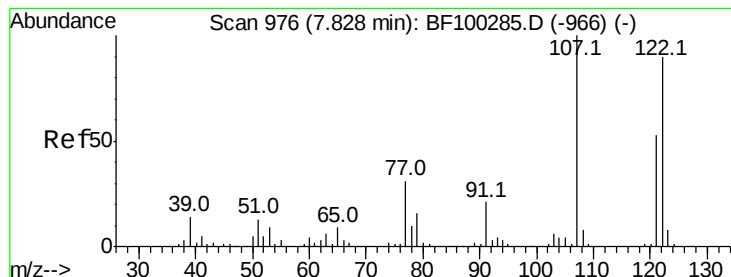
Ion Ratio Lower Upper

139 100

109 27.1 22.7 34.1

65 47.7 40.5 60.7

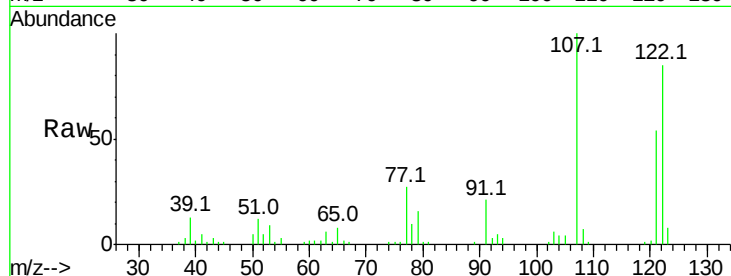




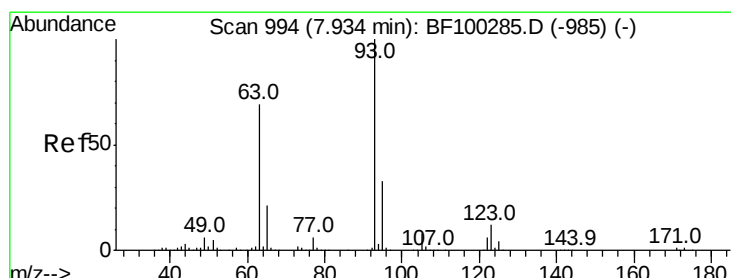
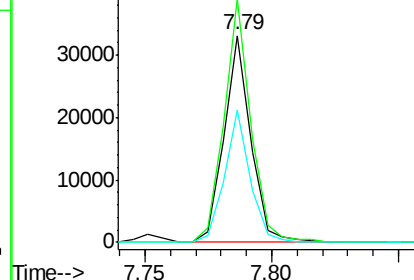
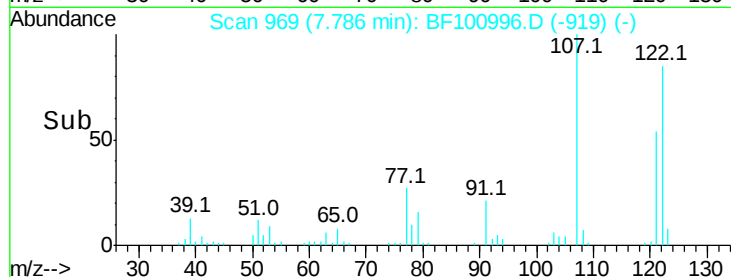
#27  
 2,4-Dimethylphenol  
 Concen: 5.715 ng  
 RT: 7.79 min Scan# 969  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:122 Resp: 24247  
 Ion Ratio Lower Upper  
 122 100  
 107 117.9 91.2 136.8  
 121 64.0 47.2 70.8

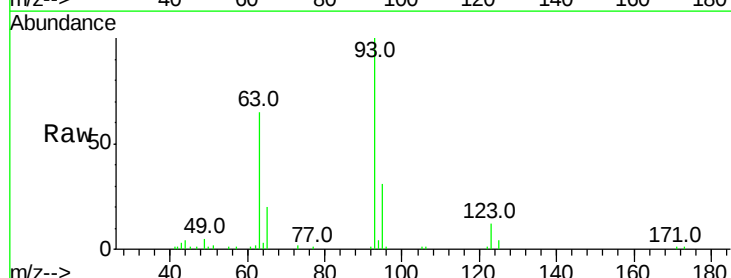


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

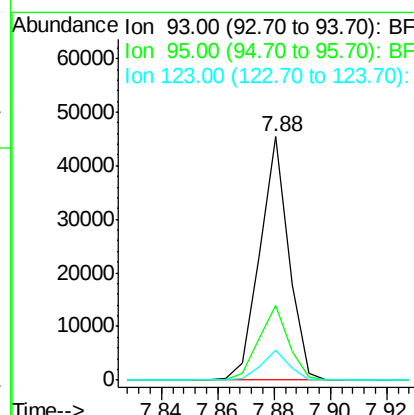
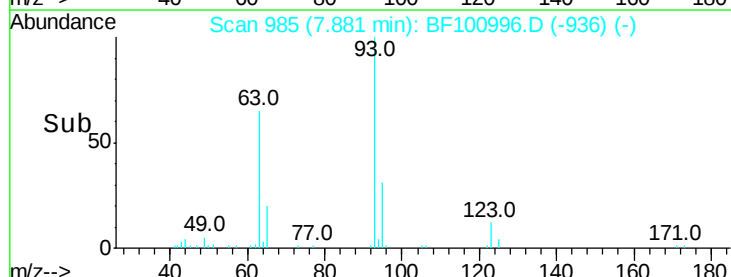


#28  
 bis(2-Chloroethoxy)methane  
 Concen: 5.199 ng  
 RT: 7.88 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Tgt Ion: 93 Resp: 32189  
 Ion Ratio Lower Upper  
 93 100  
 95 30.7 26.3 39.5  
 123 12.0 9.8 14.6



Abundance Ion 93.00 (92.70 to 93.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 123.00 (122.70 to 123.70): E

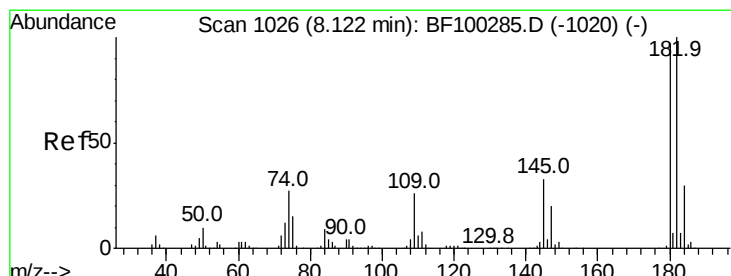
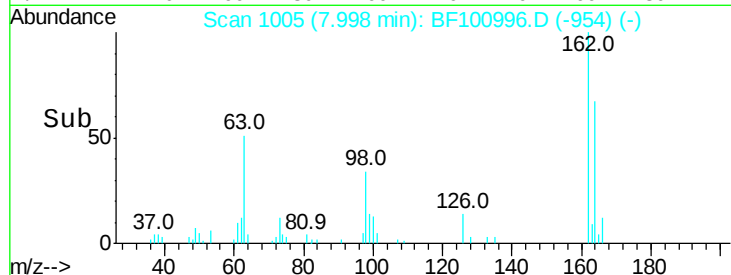
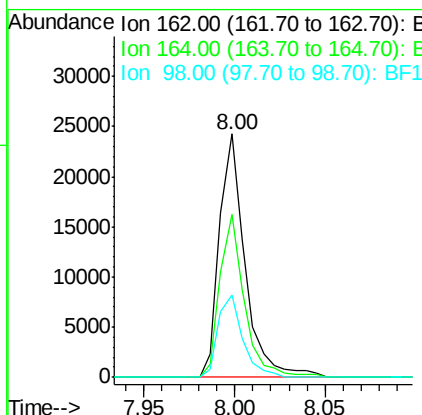
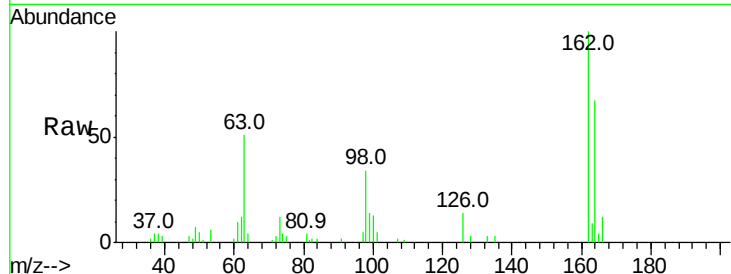




#29  
 2,4-Dichlorophenol  
 Concen: 5.897 ng  
 RT: 8.00 min Scan# 1005  
 Delta R.T. -0.00 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

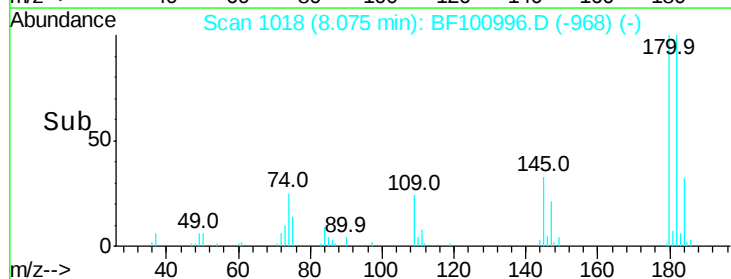
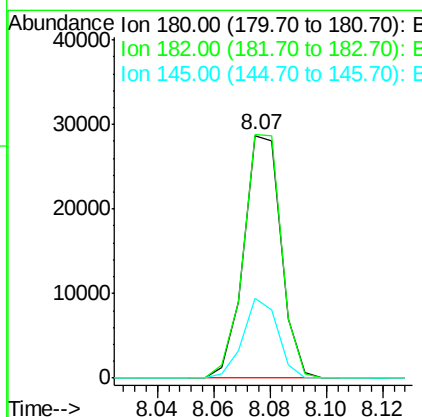
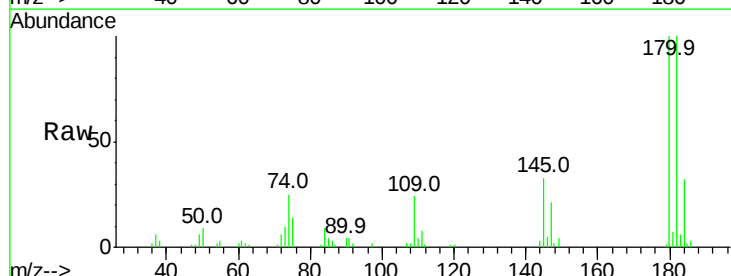
Instrument :  
 BNA\_F  
 ClientSampleId :

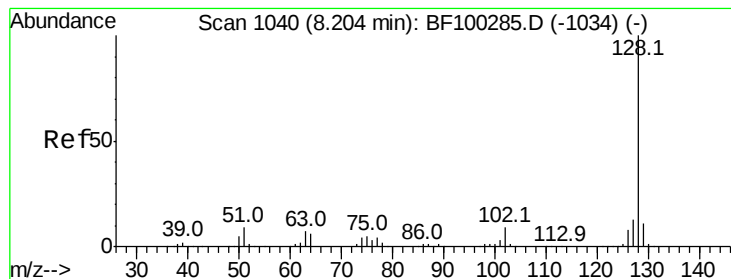
Tot Ion:162 Resp: 23885  
 Ion Ratio Lower Upper  
 162 100  
 164 67.0 42.7 82.7  
 98 33.7 18.1 58.1



#30  
 1,2,4-Trichlorobenzene  
 Concen: 6.024 ng  
 RT: 8.07 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Tgt Ion:180 Resp: 26393  
 Ion Ratio Lower Upper  
 180 100  
 182 100.3 76.8 115.2  
 145 32.7 26.5 39.7





#31

Naphthalene

Concen: 7.170 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

BNA\_F

ClientSampleId :

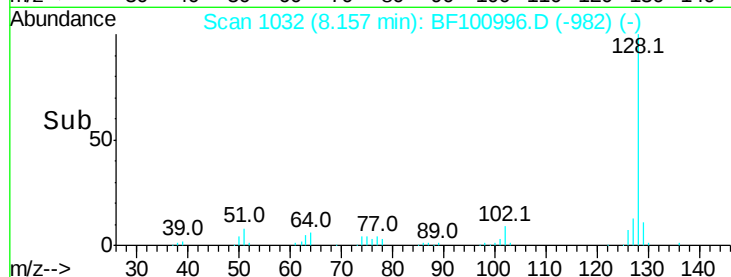
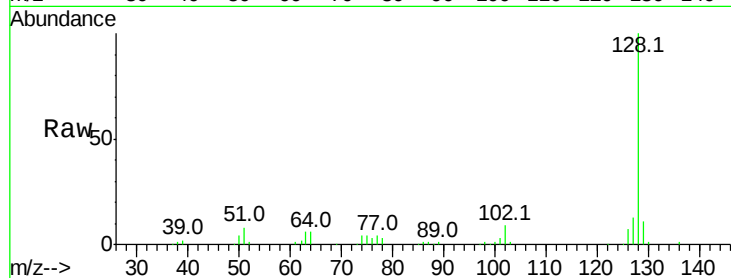
Tot Ion:128 Resp: 102830

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

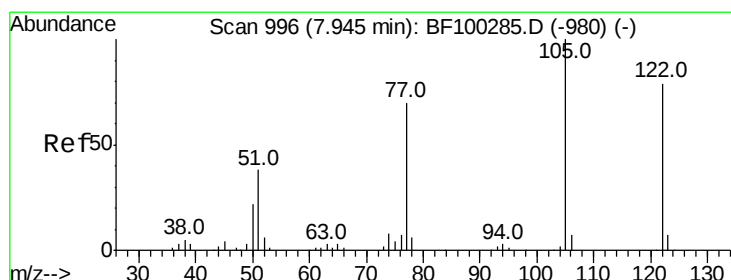
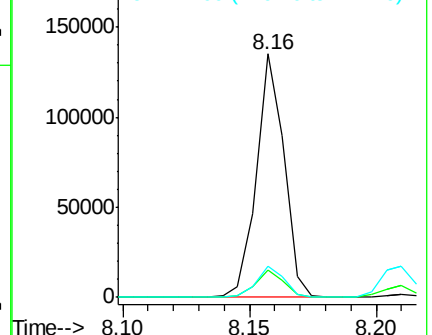
127 12.6 10.9 16.3



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: 15.377 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.14 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

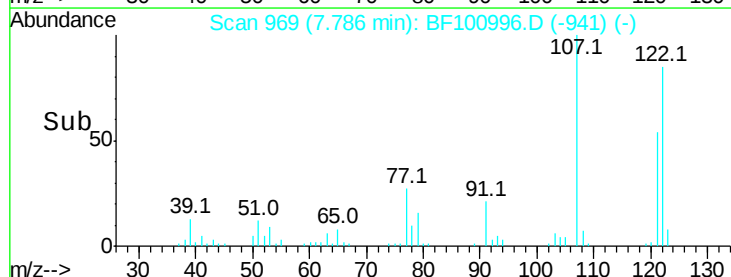
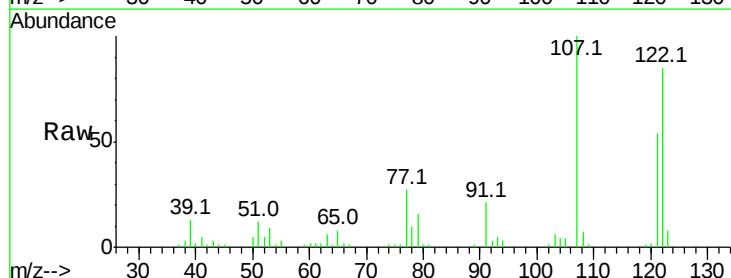
Tgt Ion:122 Resp: 24247

Ion Ratio Lower Upper

122 100

105 4.3 101.1 141.1#

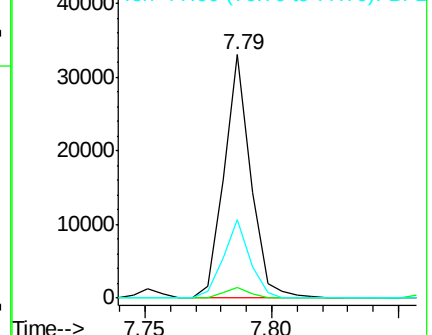
77 32.3 70.7 110.7#



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): BF1

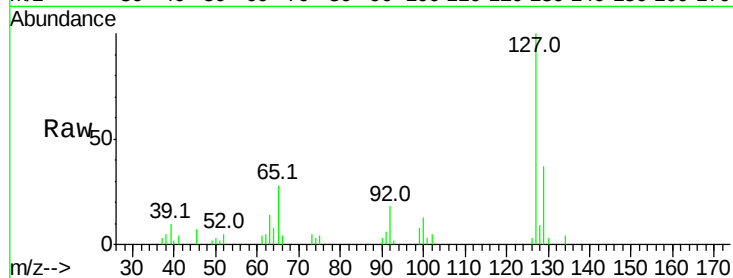




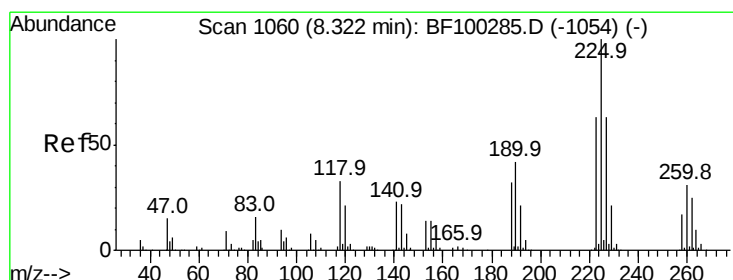
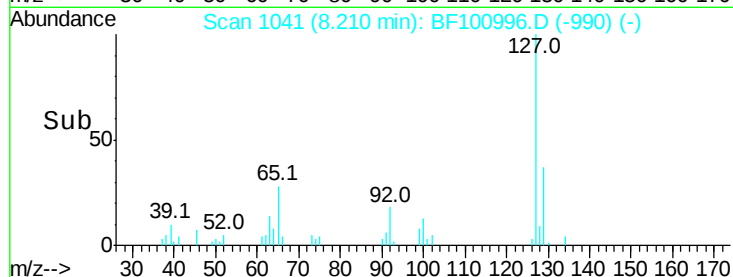
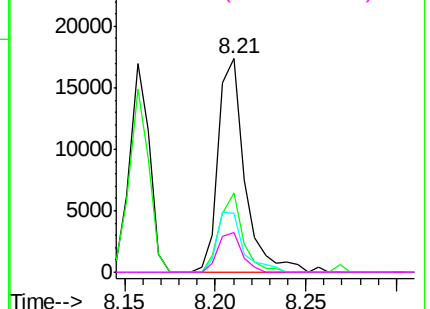
#33  
4-Chloroaniline  
Concen: 2.984 ng  
RT: 8.21 min Scan# 1041  
Delta R.T. -0.00 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 17816 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 37.3  | 25.9  | 38.9  |
| 65       | 27.6  | 25.0  | 37.4  |
| 92       | 18.4  | 15.2  | 22.8  |

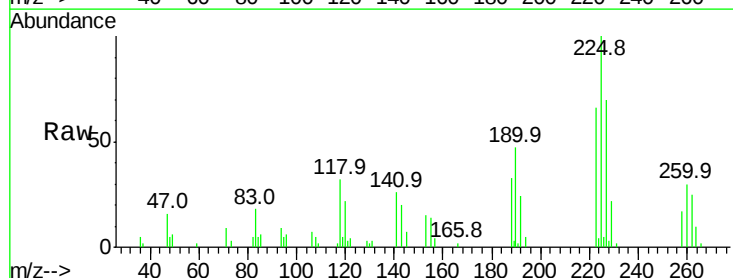


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

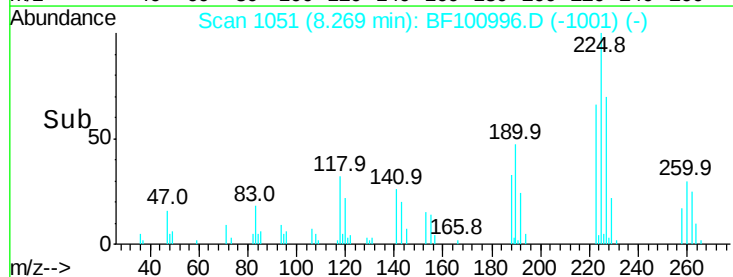
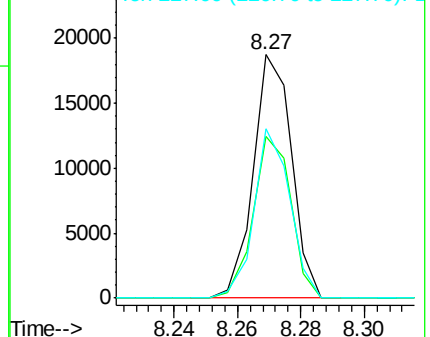


#34  
Hexachlorobutadiene  
Concen: 6.033 ng  
RT: 8.27 min Scan# 1051  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 15715 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 66.3  | 50.6  | 76.0  |
| 227      | 69.6  | 51.9  | 77.9  |



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

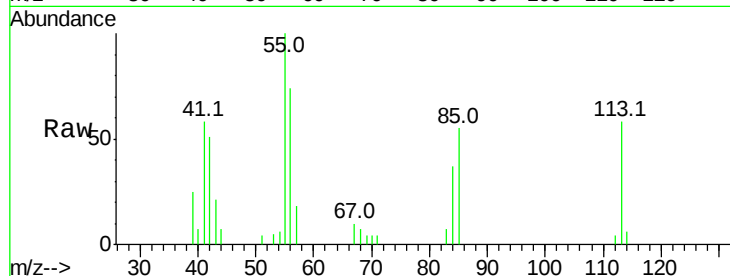




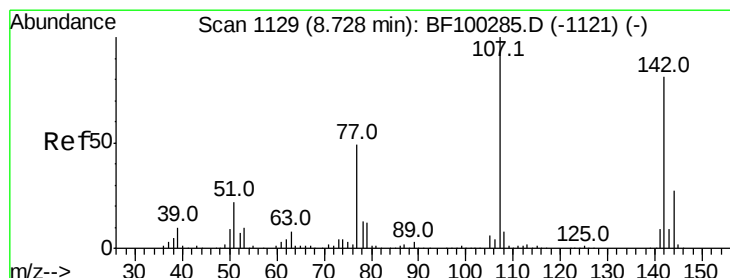
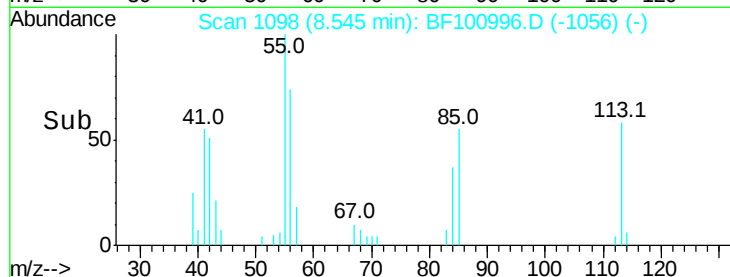
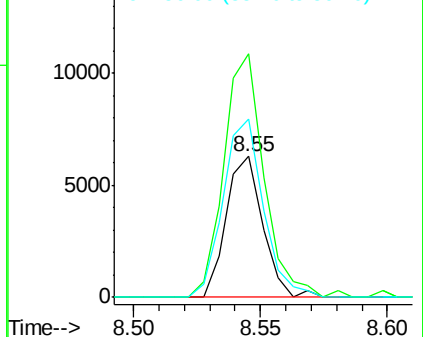
#35  
 Caprolactam  
 Concen: 4.530 ng  
 RT: 8.55 min Scan# 1098  
 Delta R.T. -0.05 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:113 Resp: 6297  
 Ion Ratio Lower Upper  
 113 100  
 55 172.6 163.3 203.3  
 56 126.9 115.7 155.7

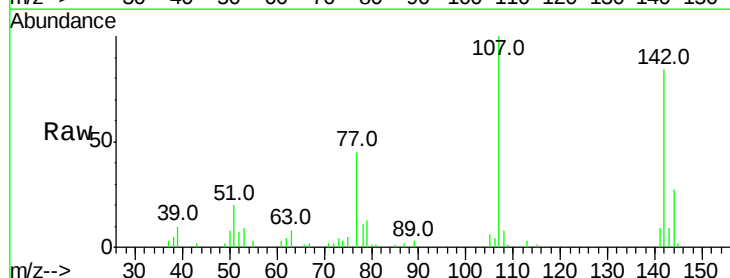


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF1  
 Ion 56.00 (55.70 to 56.70): BF1

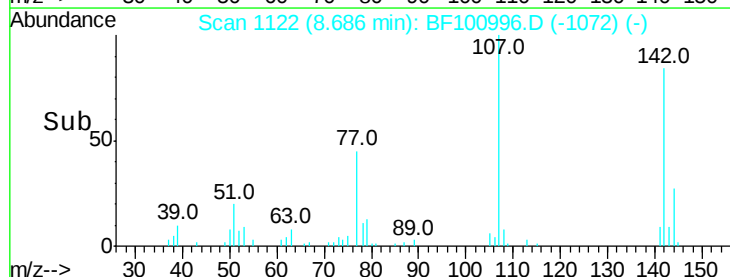
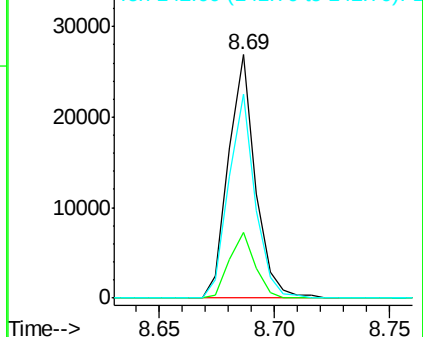


#36  
 4-Chloro-3-methylphenol  
 Concen: 5.027 ng  
 RT: 8.69 min Scan# 1122  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Tgt Ion:107 Resp: 21867  
 Ion Ratio Lower Upper  
 107 100  
 144 26.7 20.5 30.7  
 142 83.6 62.0 93.0



Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

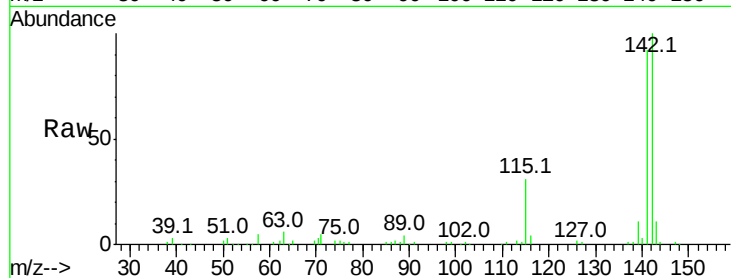




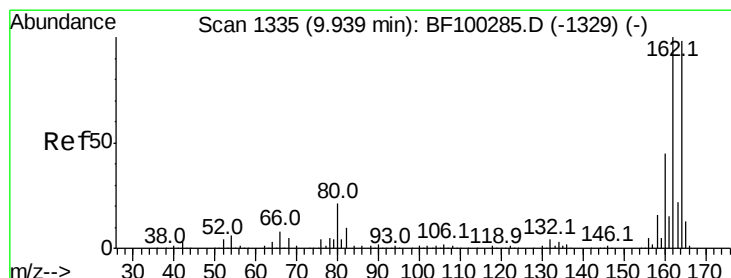
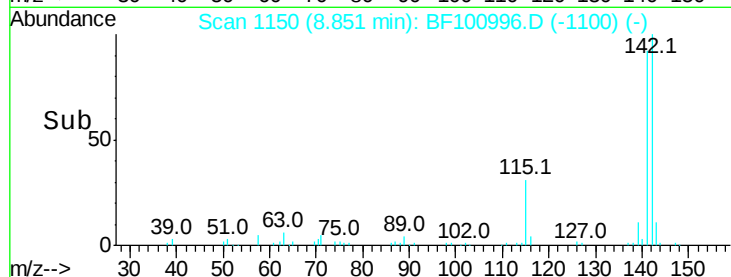
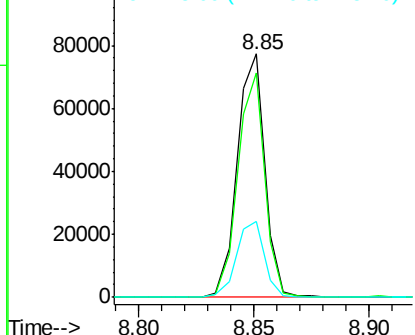
#37  
2-Methylnaphthalene  
Concen: 6.796 ng  
RT: 8.85 min Scan# 1150  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:142 Resp: 64706  
Ion Ratio Lower Upper  
142 100  
141 92.0 70.8 106.2  
115 31.0 26.1 39.1

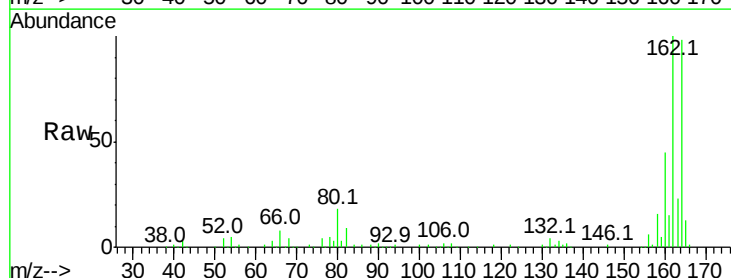


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

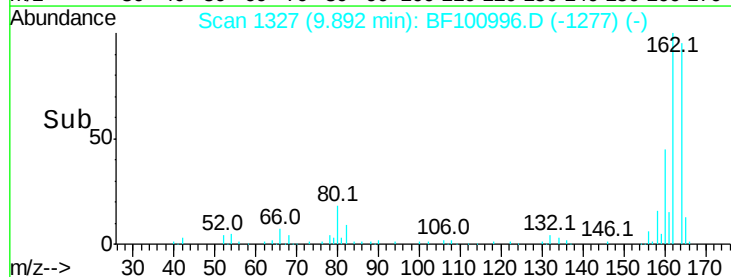
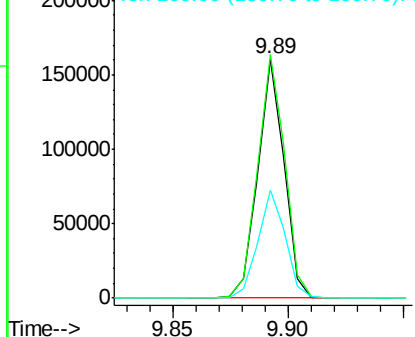


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Tgt Ion:164 Resp: 127504  
Ion Ratio Lower Upper  
164 100  
162 101.9 86.1 129.1  
160 45.4 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

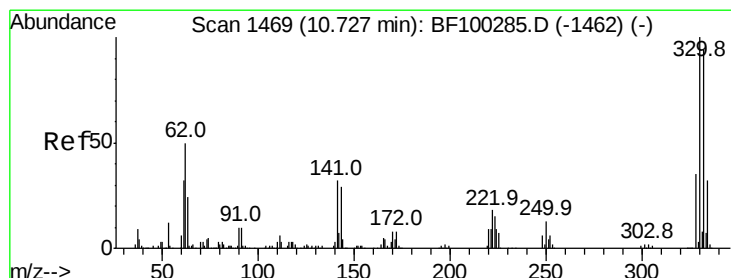
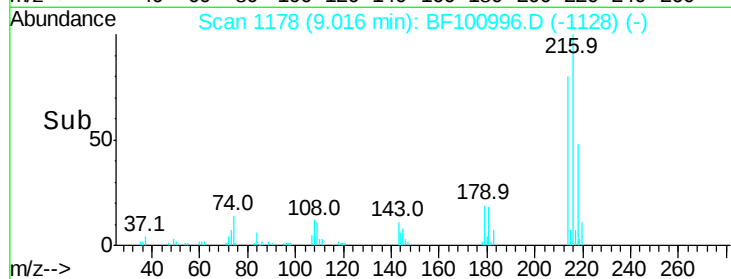
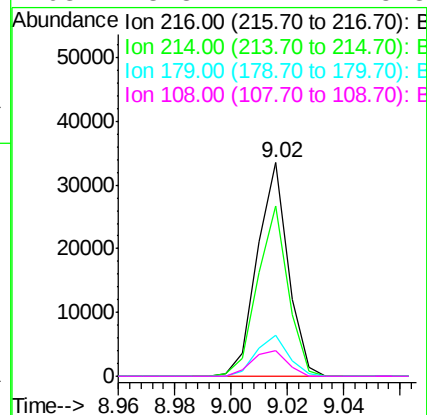
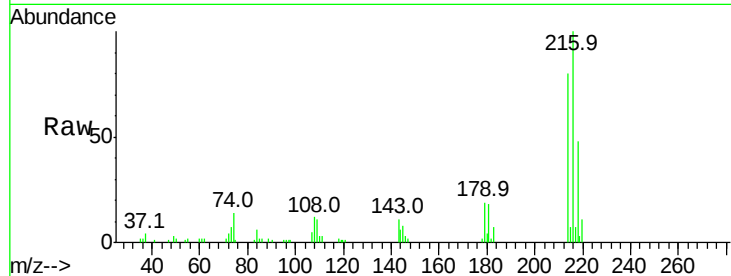




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 6.000 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

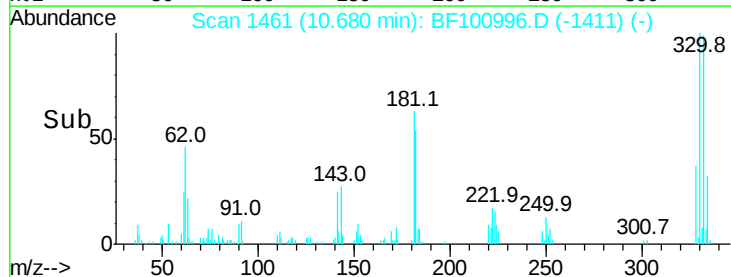
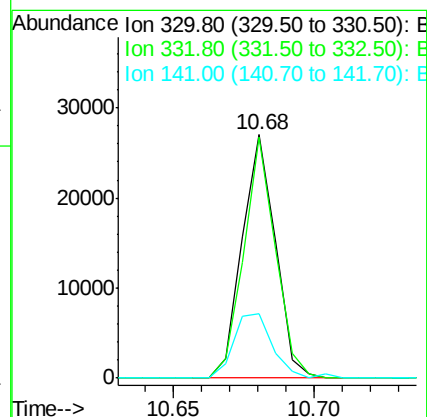
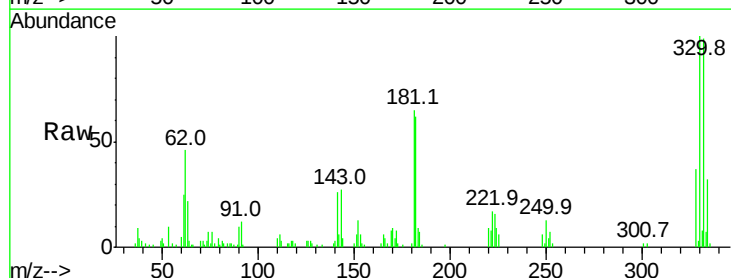
Instrument :  
 BNA\_F  
 ClientSampleId :

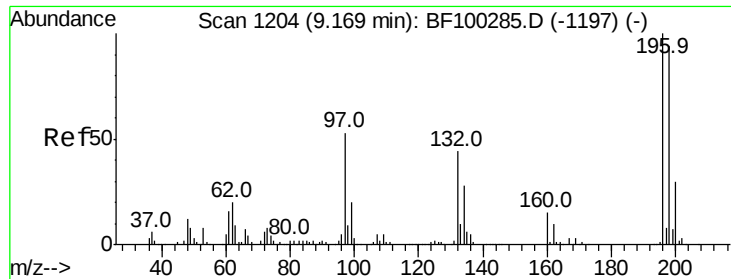
Tot Ion:216 Resp: 25372  
 Ion Ratio Lower Upper  
 216 100  
 214 78.5 63.0 94.4  
 179 20.3 18.1 27.1  
 108 13.8 17.2 25.8#



#41  
 2,4,6-Tribromophenol  
 Concen: 16.940 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Tgt Ion:330 Resp: 22010  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 77.0 115.6  
 141 31.3 29.9 44.9

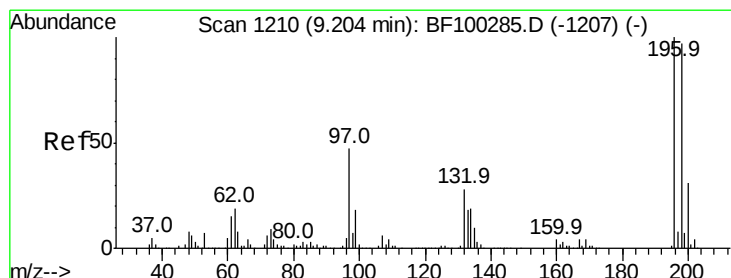
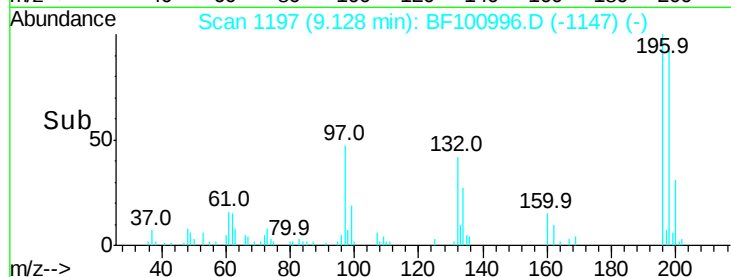
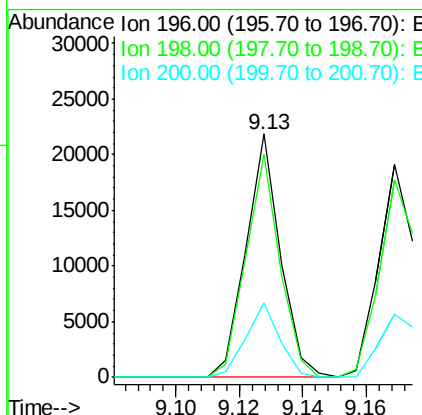
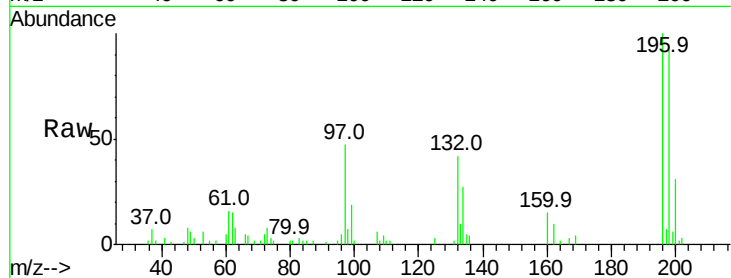




#42  
 2,4,6-Trichlorophenol  
 Concen: 6.113 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

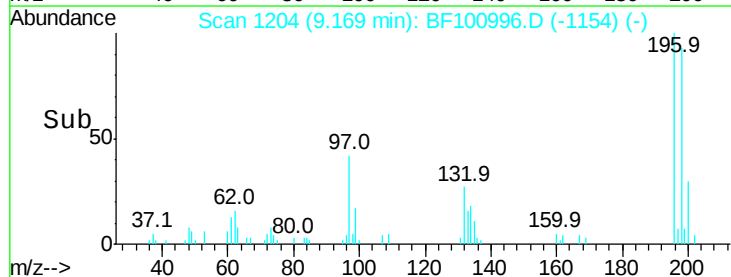
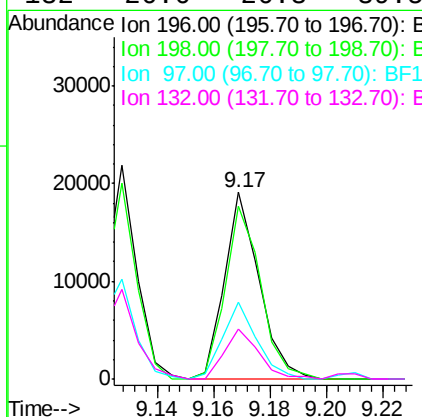
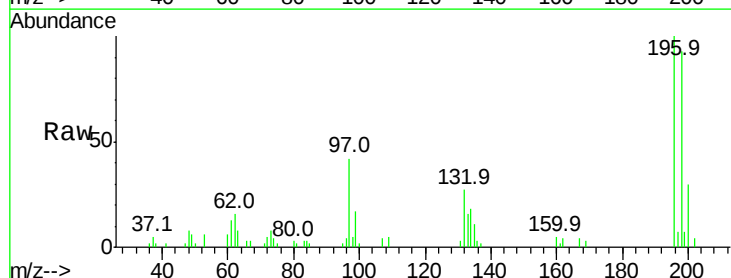
Instrument :  
 BNA\_F  
 ClientSampleId :

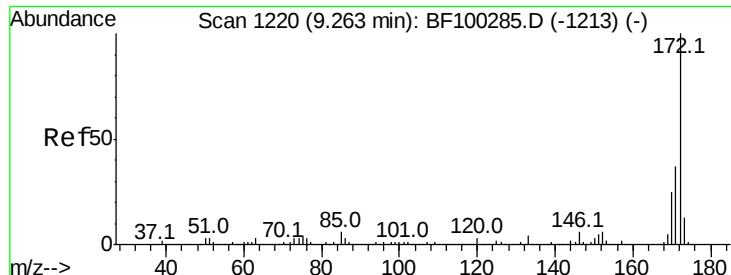
Tot Ion:196 Resp: 16383  
 Ion Ratio Lower Upper  
 196 100  
 198 91.7 75.7 113.5  
 200 30.6 24.5 36.7



#43  
 2,4,5-Trichlorophenol  
 Concen: 5.901 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Tgt Ion:196 Resp: 16387  
 Ion Ratio Lower Upper  
 196 100  
 198 92.7 74.6 112.0  
 97 41.5 42.9 64.3#  
 132 26.6 26.3 39.5

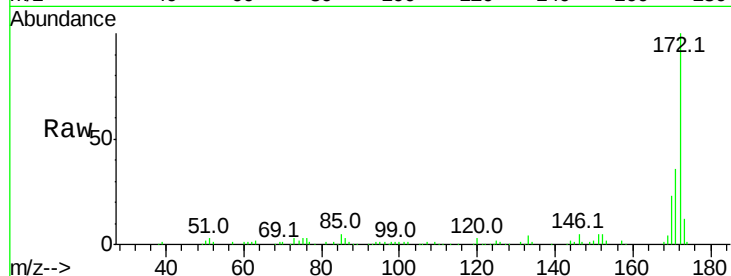




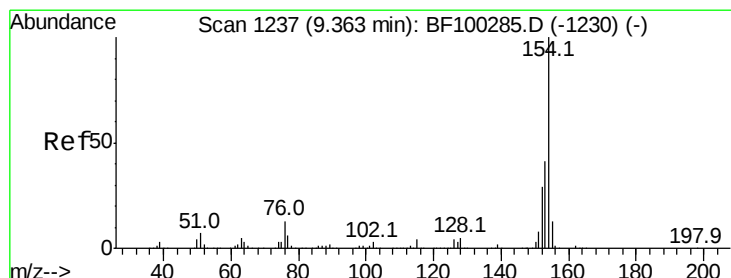
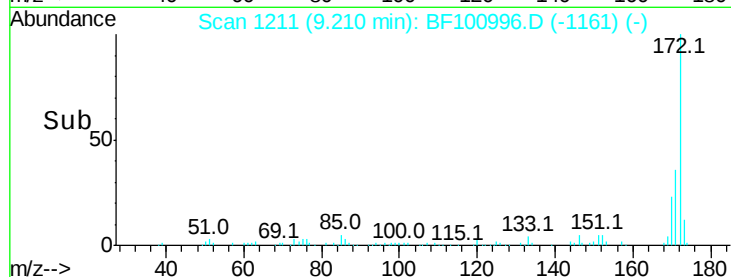
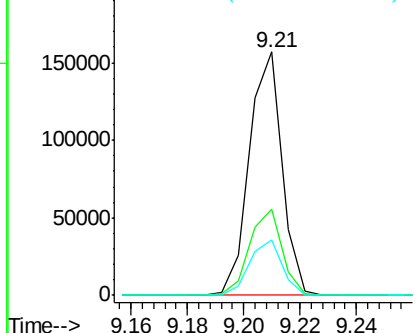
#44  
 2-Fluorobiphenyl  
 Concen: 15.055 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 126062  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 29.7 44.5  
 170 22.9 19.6 29.4

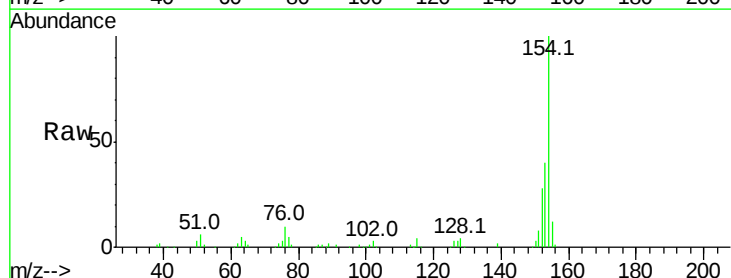


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

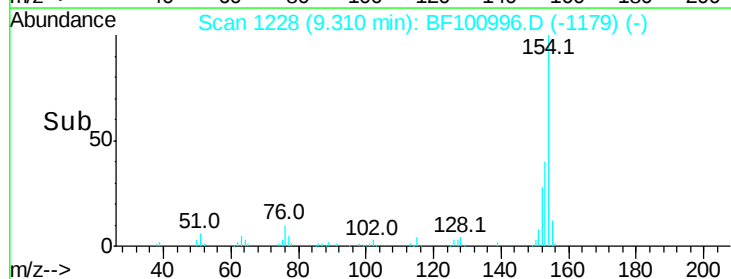
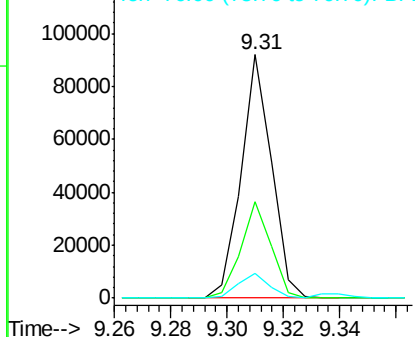


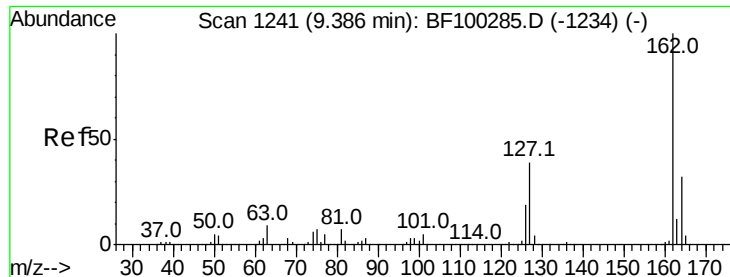
#45  
 1,1'-Biphenyl  
 Concen: 6.216 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Tgt Ion:154 Resp: 68553  
 Ion Ratio Lower Upper  
 154 100  
 153 39.8 21.3 61.3  
 76 10.0 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): BF1

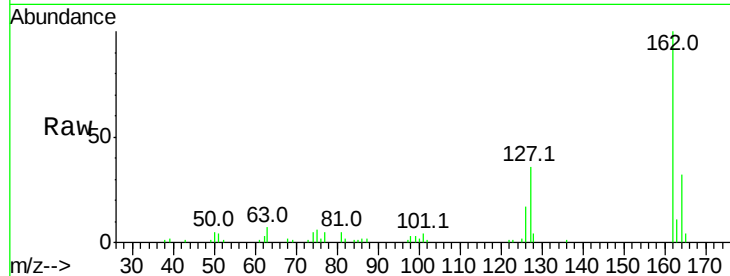




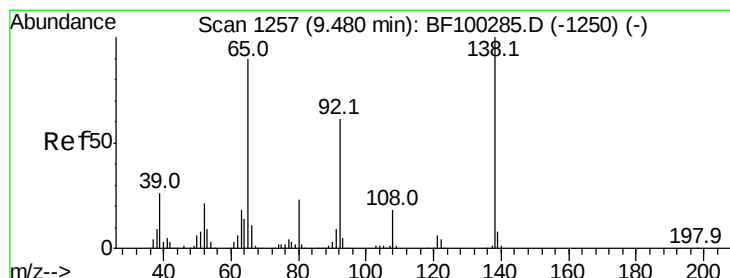
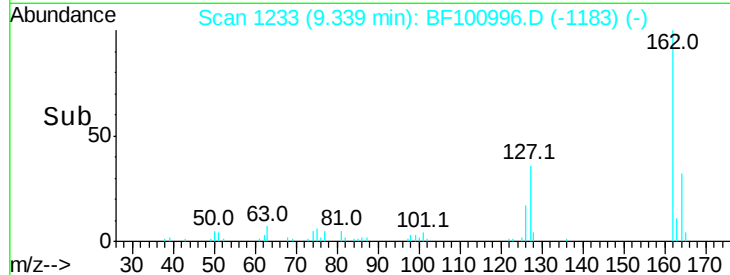
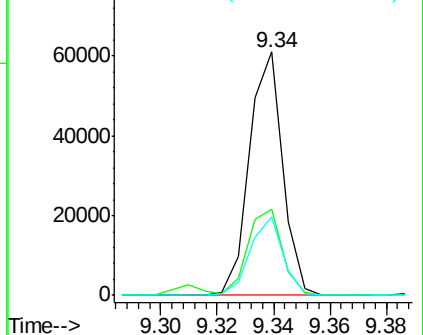
#46  
2-Chloronaphthalene  
Concen: 6.214 ng  
RT: 9.34 min Scan# 1233  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:162 Resp: 49711  
Ion Ratio Lower Upper  
162 100  
127 35.7 33.9 50.9  
164 32.3 26.5 39.7

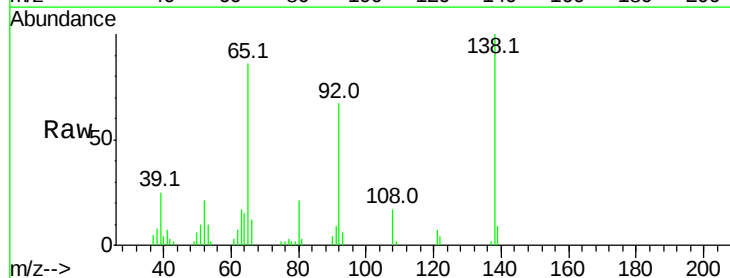


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

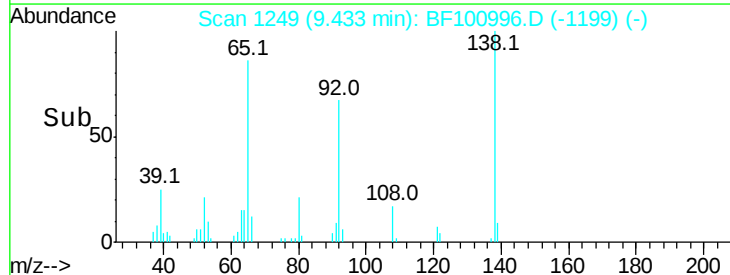
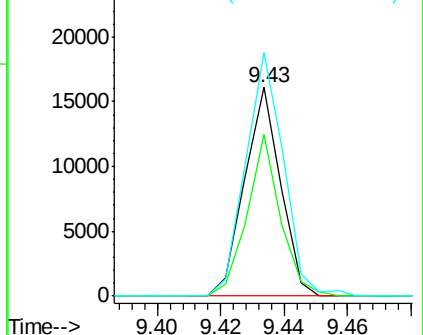


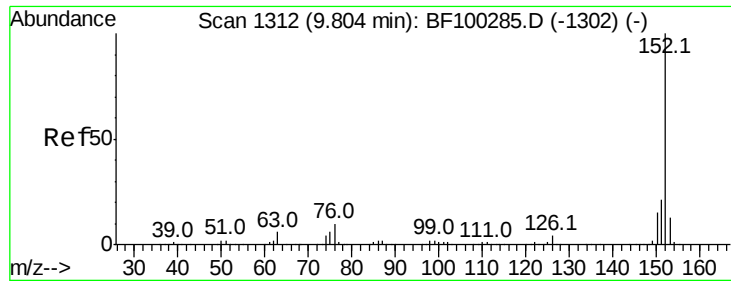
#47  
2-Nitroaniline  
Concen: 7.826 ng  
RT: 9.43 min Scan# 1249  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Tgt Ion: 65 Resp: 12652  
Ion Ratio Lower Upper  
65 100  
92 77.6 55.8 83.6  
138 116.6 91.2 136.8



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





#48

Acenaphthylene

Concen: 9.176 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

BNA\_F

ClientSampleId :

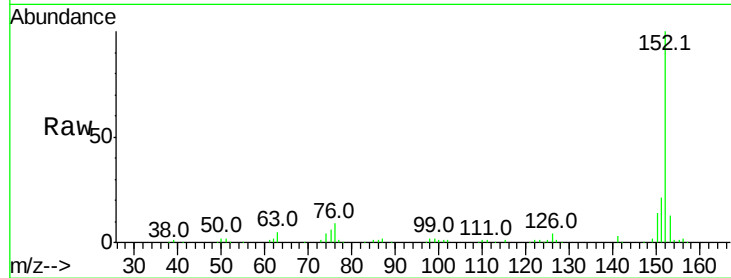
Tot Ion:152 Resp: 121652

Ion Ratio Lower Upper

152 100

151 20.7 16.3 24.5

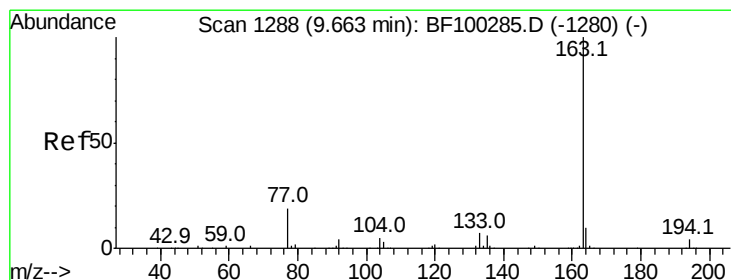
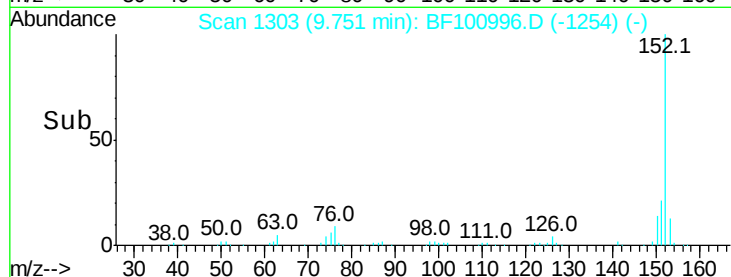
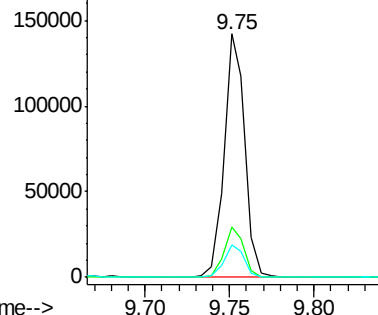
153 13.4 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 7.103 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

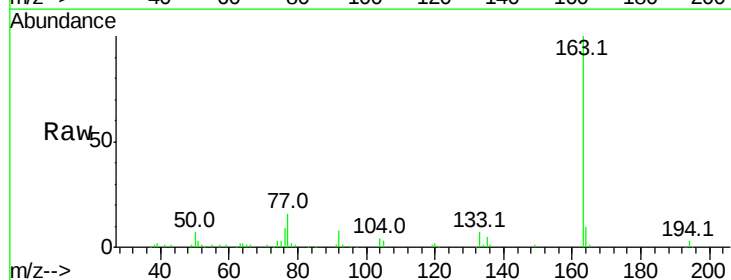
Tgt Ion:163 Resp: 69147

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

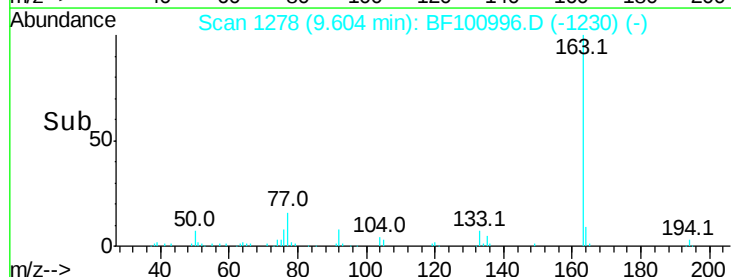
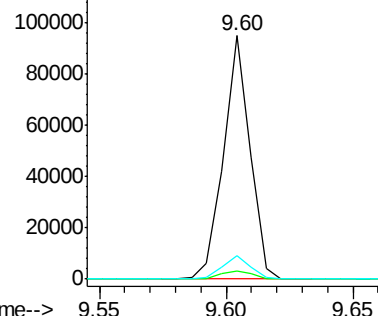
164 9.7 8.2 12.2

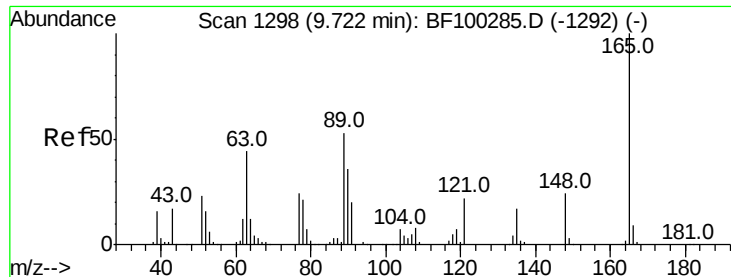


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

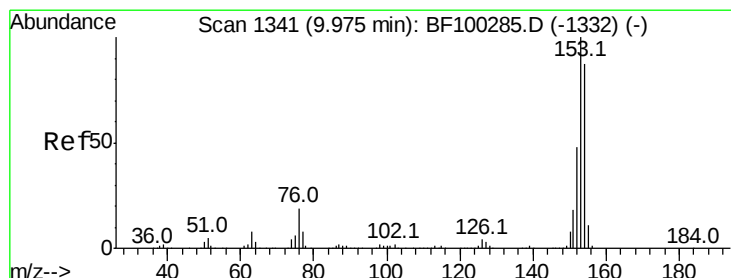
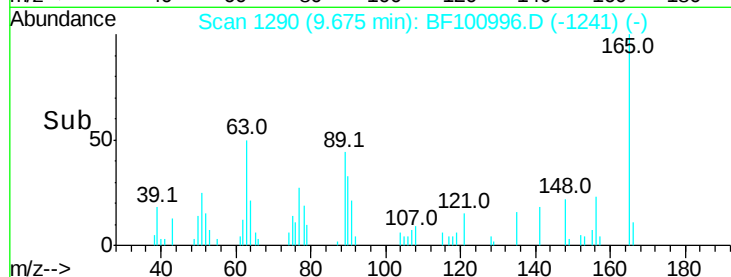
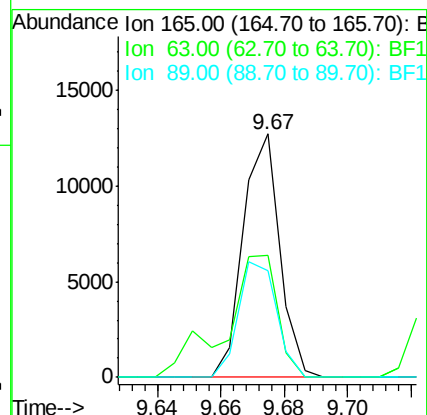
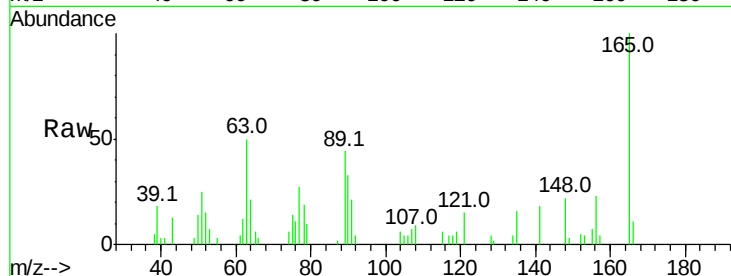




#50  
2,6-Dinitrotoluene  
Concen: 5.257 ng  
RT: 9.67 min Scan# 1290  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

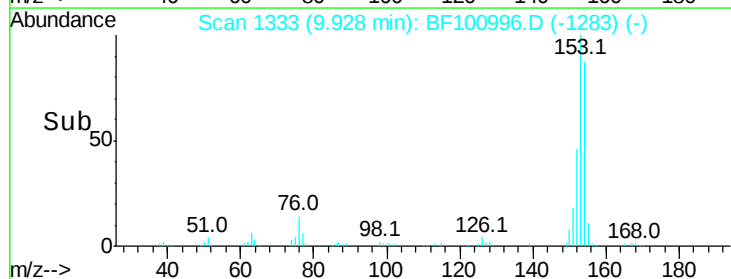
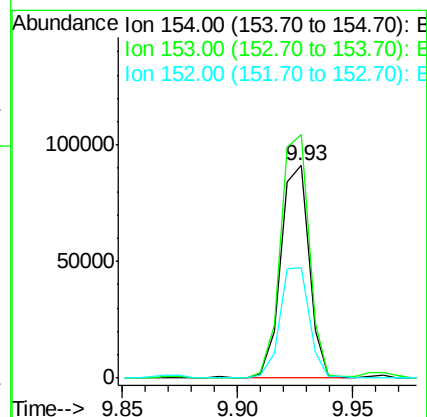
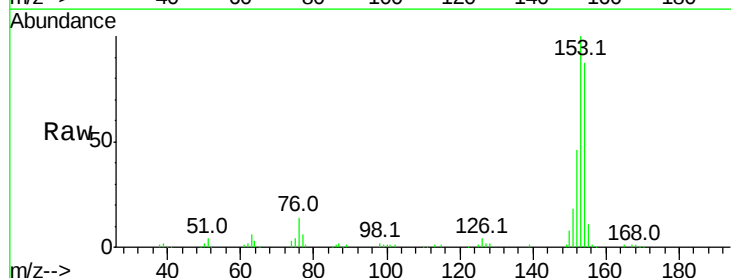
Instrument :  
BNA\_F  
ClientSampleId :

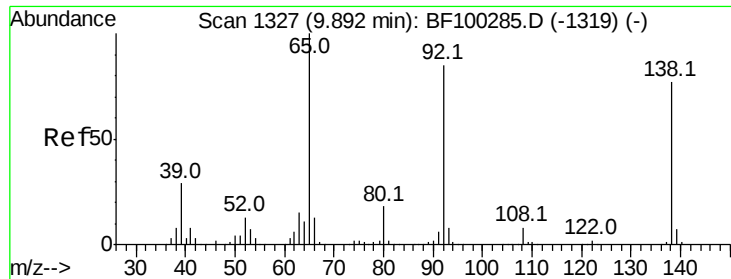
Tot Ion:165 Resp: 10131  
Ion Ratio Lower Upper  
165 100  
63 50.0 44.7 67.1  
89 44.0 44.0 66.0



#51  
Acenaphthene  
Concen: 9.636 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Tgt Ion:154 Resp: 77700  
Ion Ratio Lower Upper  
154 100  
153 114.4 91.2 136.8  
152 52.2 43.8 65.8

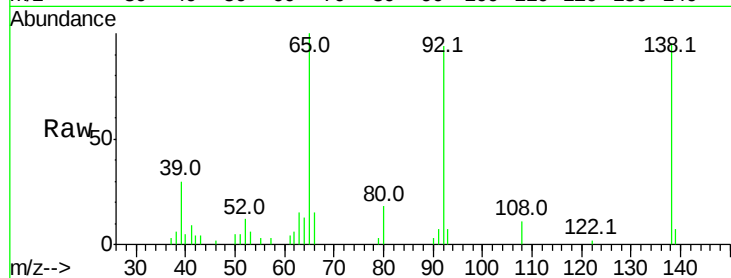




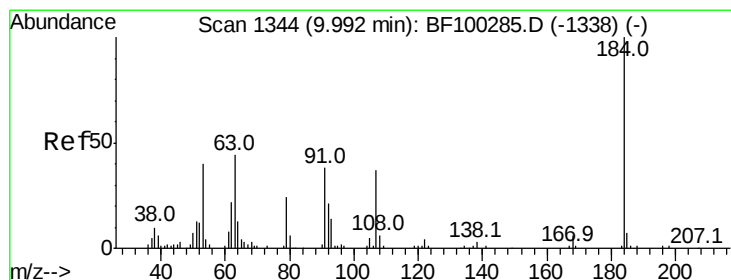
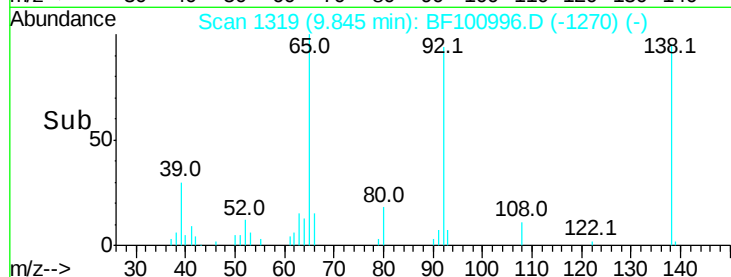
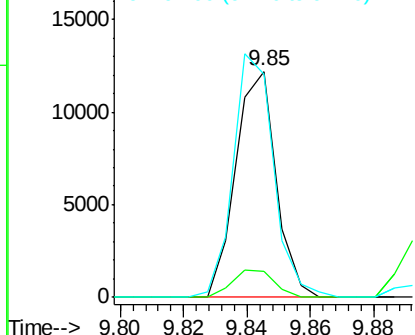
#52  
3-Nitroaniline  
Concen: 4.705 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 10707  
Ion Ratio Lower Upper  
138 100  
108 11.4 9.4 14.0  
92 98.7 89.4 134.2

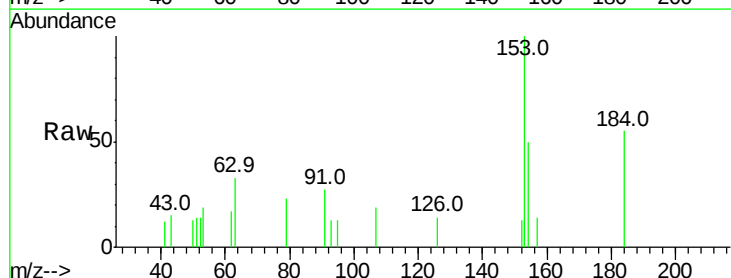


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

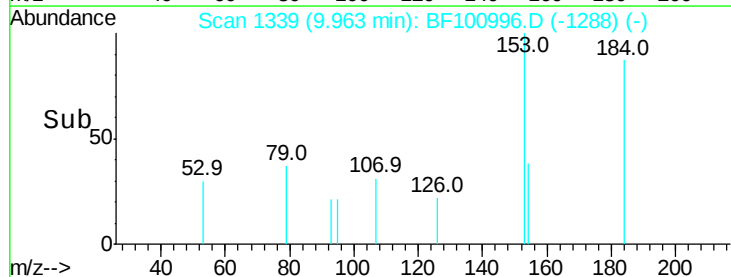
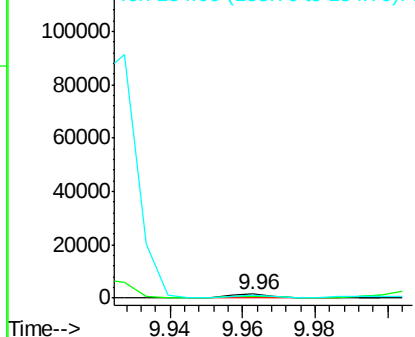


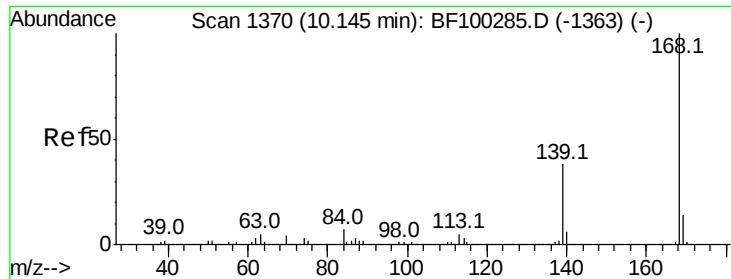
#53  
2,4-Dinitrophenol  
Concen: 9.837 ng  
RT: 9.96 min Scan# 1339  
Delta R.T. -0.00 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Tgt Ion:184 Resp: 1242  
Ion Ratio Lower Upper  
184 100  
63 60.0 54.2 81.2  
154 90.8 184.0 276.0#



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





#54

Dibenzofuran

Concen: 7.830 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

BNA\_F

ClientSampled :

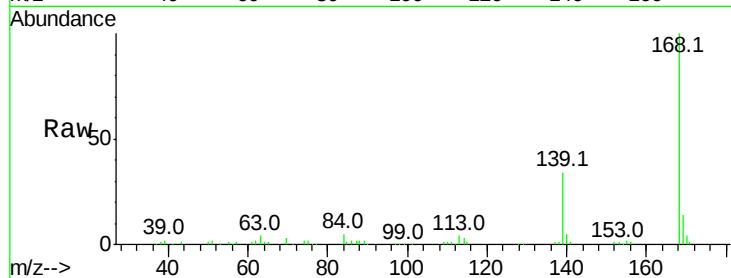
Tot Ion:168 Resp: 88495

Ion Ratio Lower Upper

168 100

139 33.9 30.1 45.1

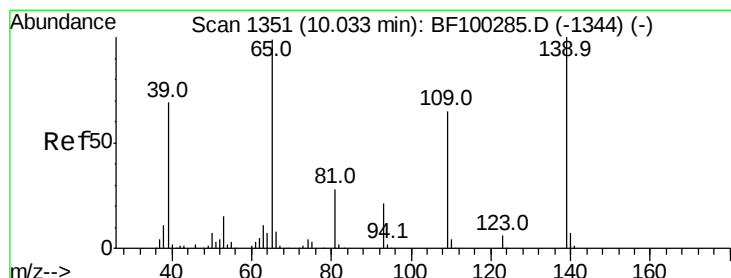
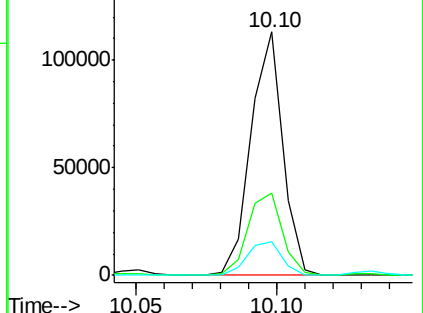
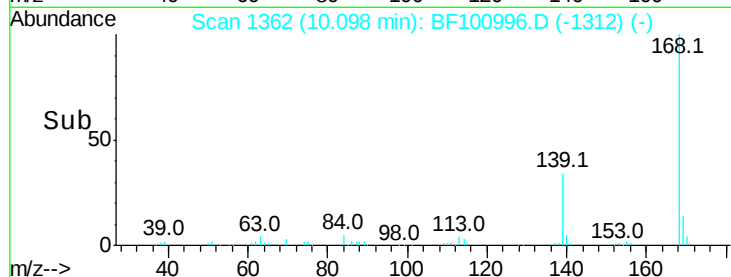
169 13.6 10.9 16.3



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: 7.213 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

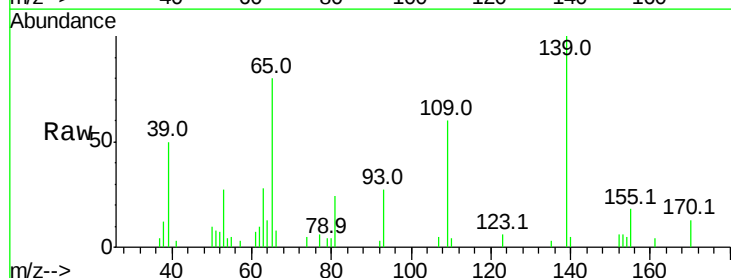
Tgt Ion:139 Resp: 13327

Ion Ratio Lower Upper

139 100

109 59.6 48.4 88.4

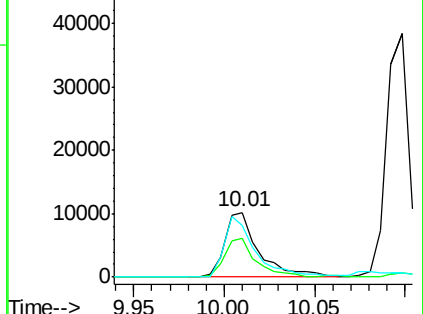
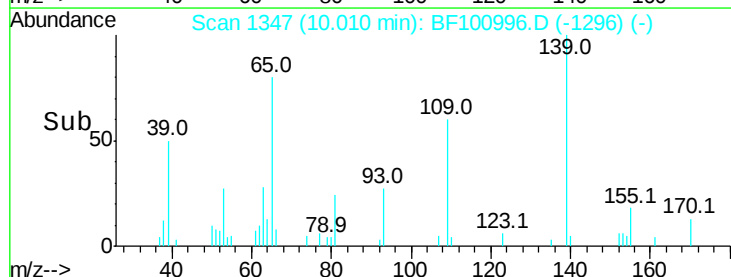
65 80.3 72.6 112.6

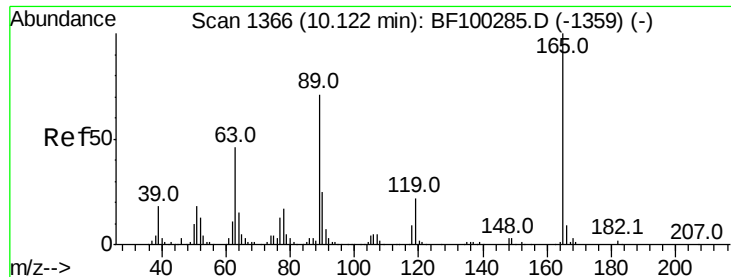


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

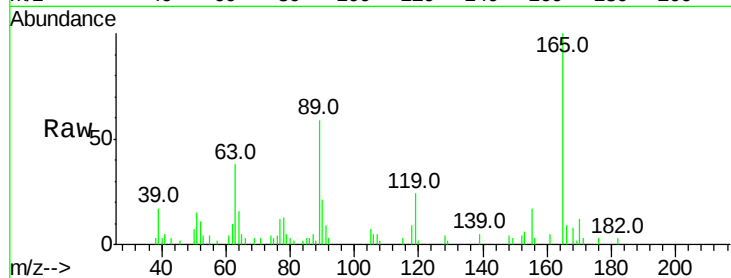




#56  
2,4-Dinitrotoluene  
Concen: 5.093 ng  
RT: 10.08 min Scan# 1359  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 38.4  | 36.4  | 54.6  |
| 89      | 58.8  | 57.8  | 86.6  |
| 182     | 2.5   | 1.6   | 2.4   |

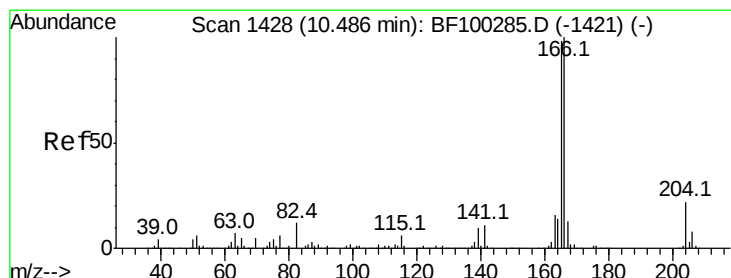
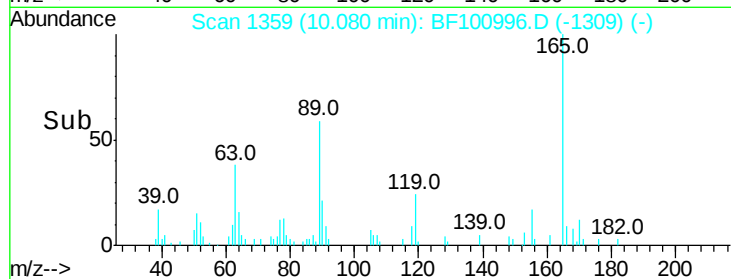
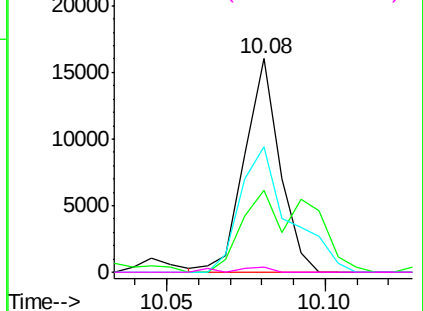


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

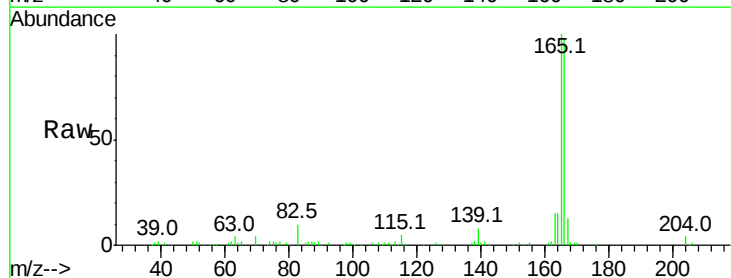
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57  
Fluorene  
Concen: 11.404 ng  
RT: 10.44 min Scan# 1420  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

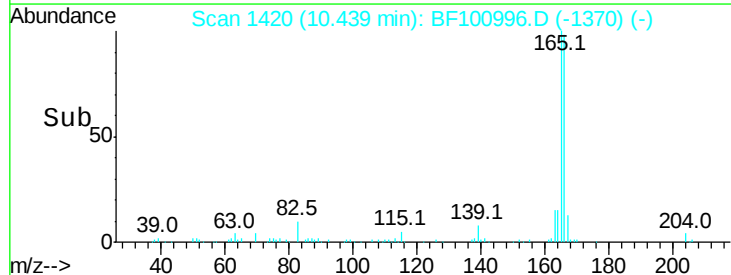
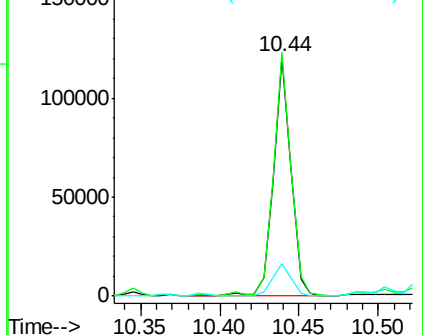
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 101.9 | 79.8  | 119.8 |
| 167     | 13.4  | 10.6  | 16.0  |

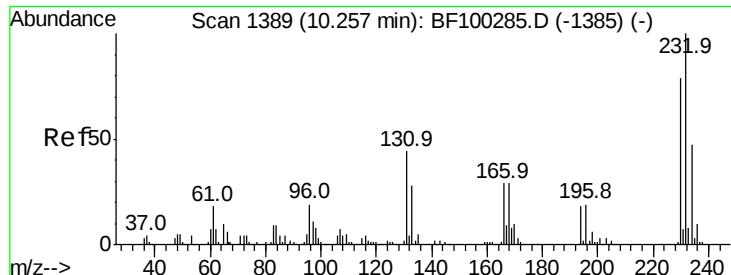


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

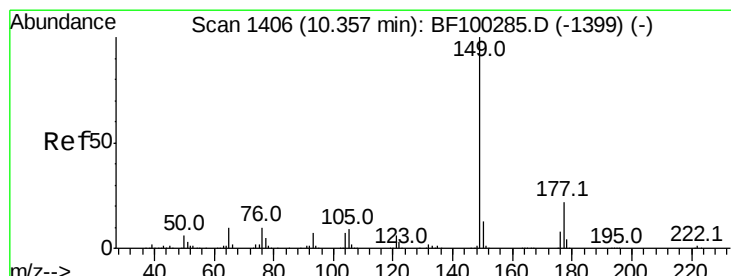
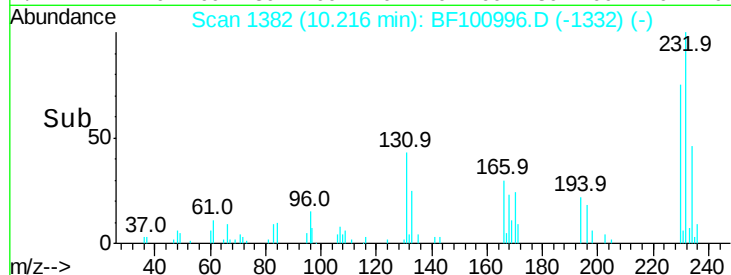
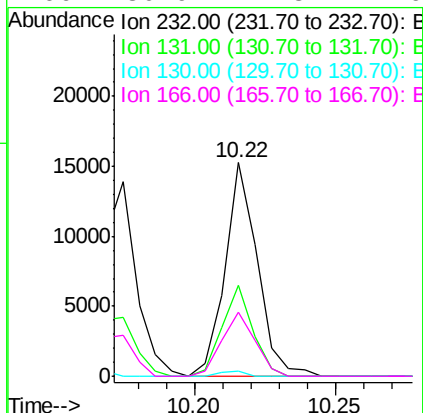
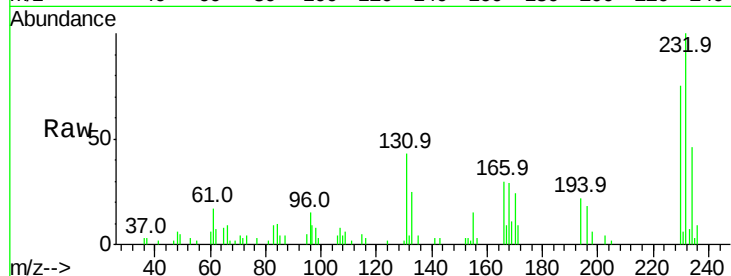




#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 5.336 ng  
 RT: 10.22 min Scan# 1382  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

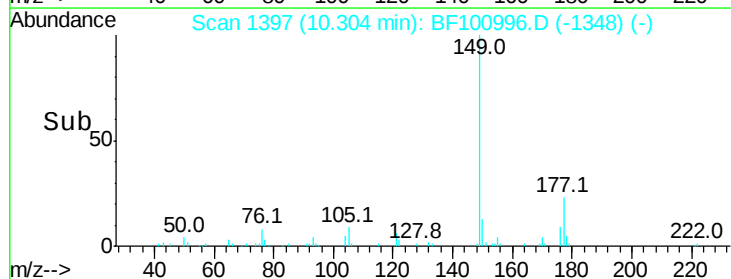
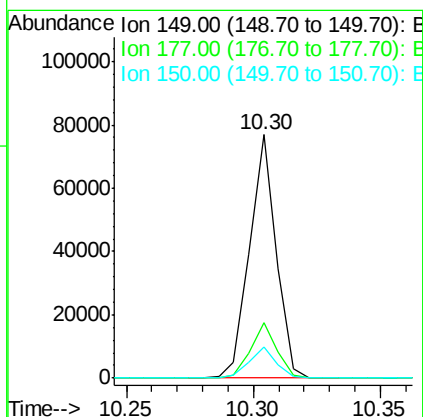
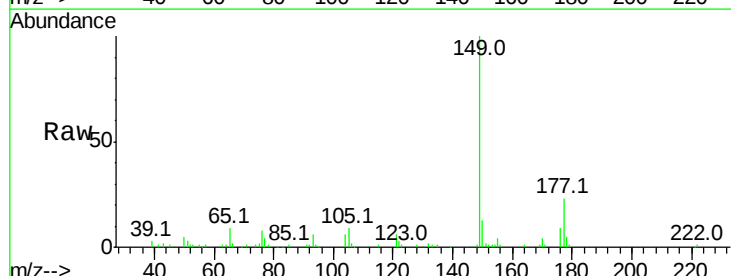
Instrument :  
 BNA\_F  
 ClientSampled :

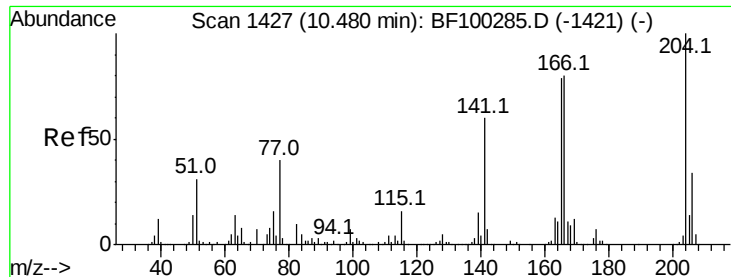
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 40.5  | 43.8  | 65.8# |
| 130     | 1.9   | 2.1   | 3.1#  |
| 166     | 30.9  | 27.8  | 41.6  |



#59  
 Diethylphthalate  
 Concen: 5.781 ng  
 RT: 10.30 min Scan# 1397  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.6  | 16.1  | 24.1  |
| 150     | 12.5  | 10.1  | 15.1  |

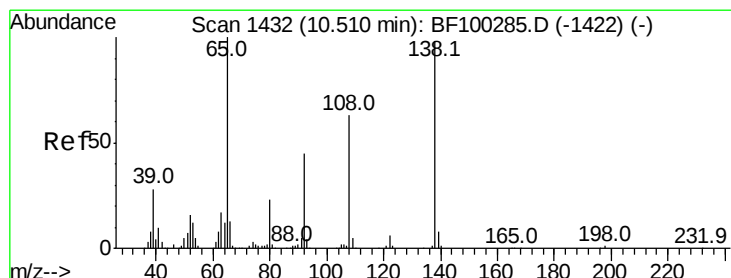
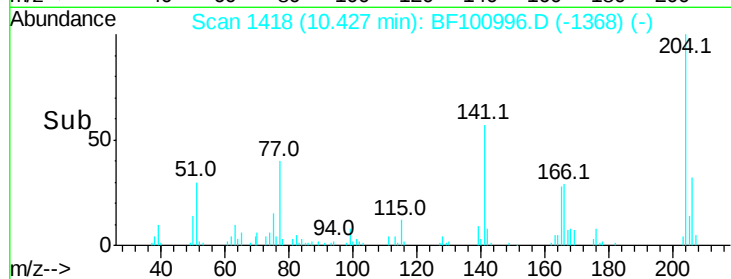
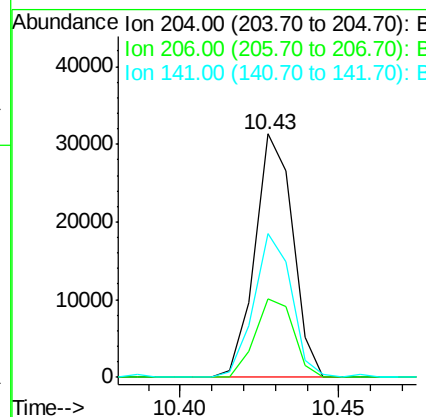
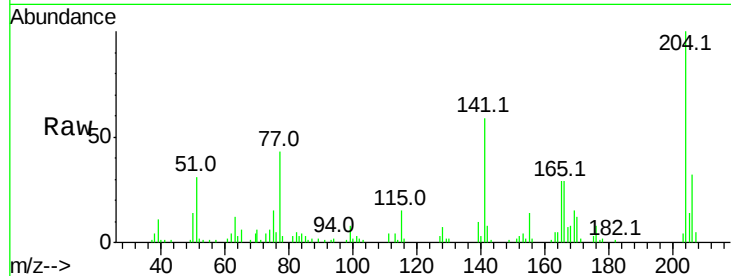




#60  
 4-Chlorophenyl-phenylether  
 Concen: 6.403 ng  
 RT: 10.43 min Scan# 1418  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

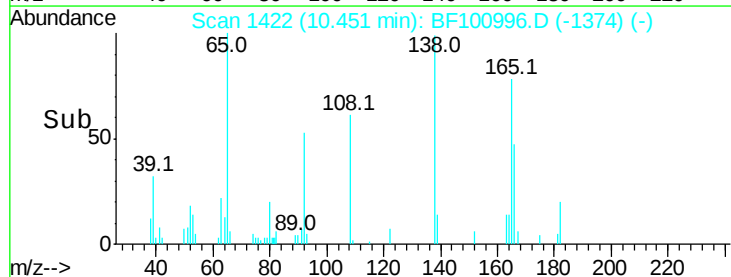
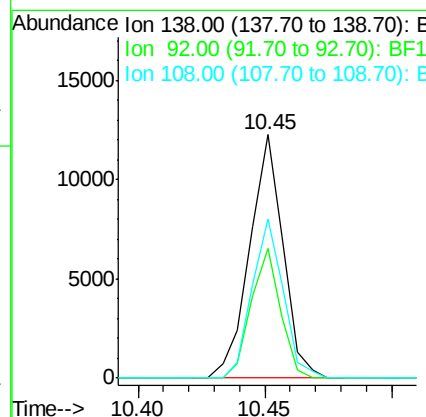
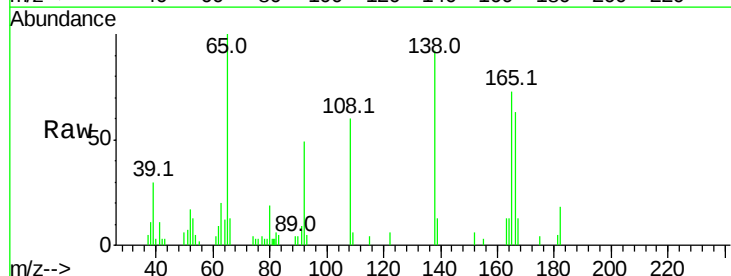
Instrument :  
 BNA\_F  
 ClientSampled :

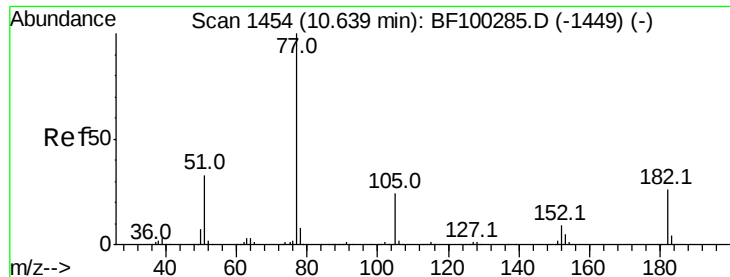
Tot Ion:204 Resp: 26007  
 Ion Ratio Lower Upper  
 204 100  
 206 32.2 26.5 39.7  
 141 58.8 54.6 81.8



#61  
 4-Nitroaniline  
 Concen: 5.215 ng  
 RT: 10.45 min Scan# 1422  
 Delta R.T. -0.02 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Tgt Ion:138 Resp: 11253  
 Ion Ratio Lower Upper  
 138 100  
 92 53.4 30.2 70.2  
 108 65.5 52.5 92.5

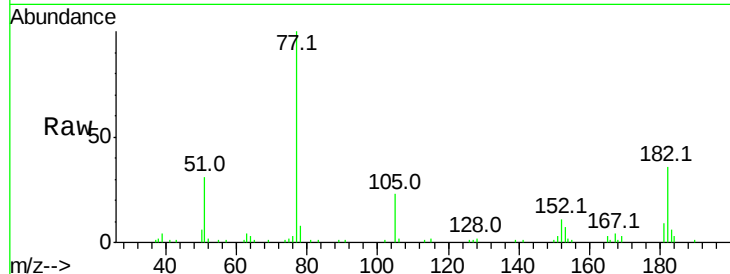




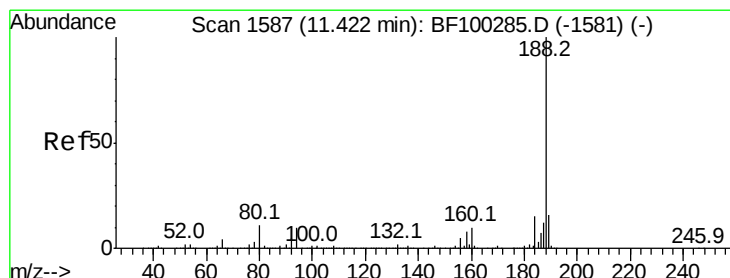
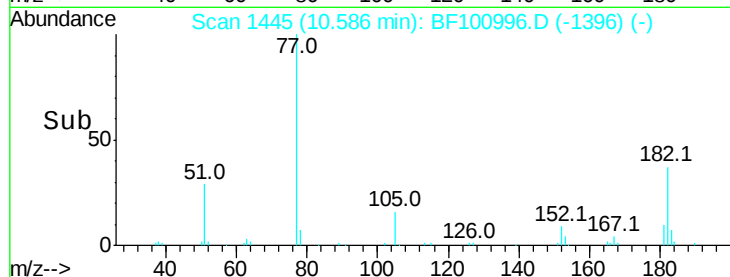
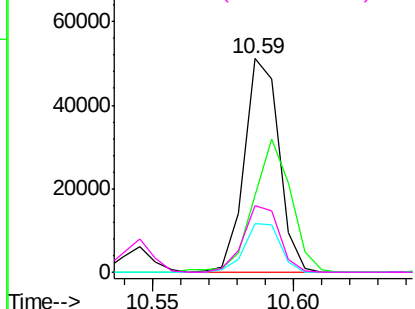
#62  
Azobenzene  
Concen: 4.764 ng  
RT: 10.59 min Scan# 1445  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 77 Resp: 43716  
Ion Ratio Lower Upper  
77 100  
182 36.1 1.7 41.7  
105 22.7 3.0 43.0  
51 30.9 9.9 49.9

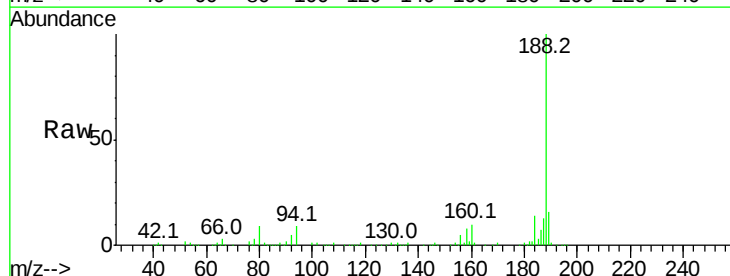


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1

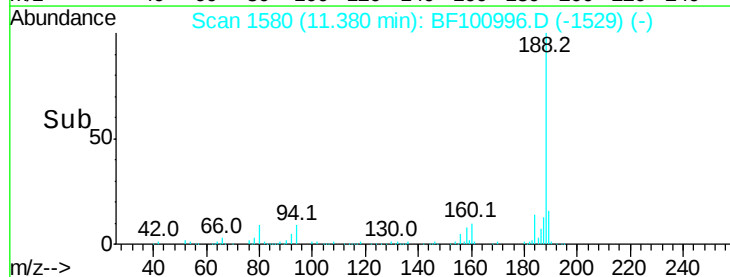
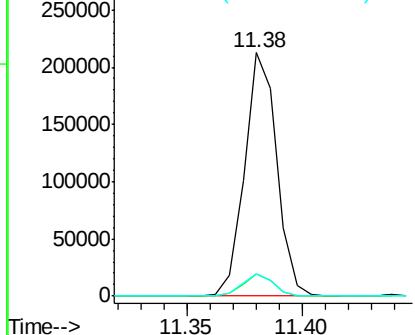


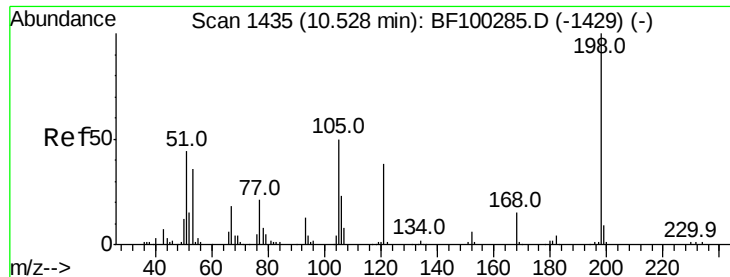
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. -0.00 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Tgt Ion: 188 Resp: 205998  
Ion Ratio Lower Upper  
188 100  
94 9.0 8.5 12.7  
80 9.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): BF1  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

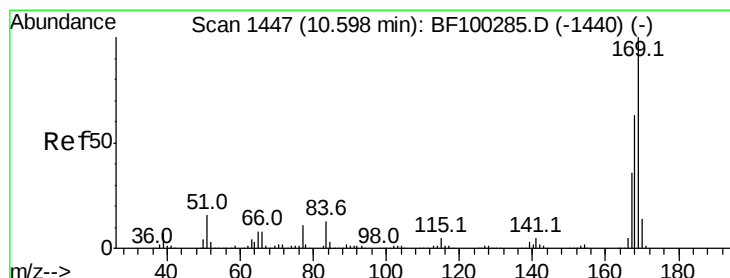
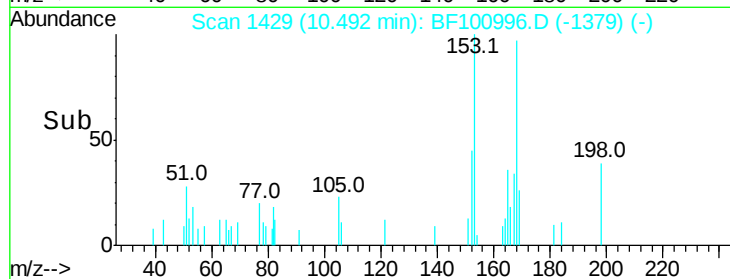
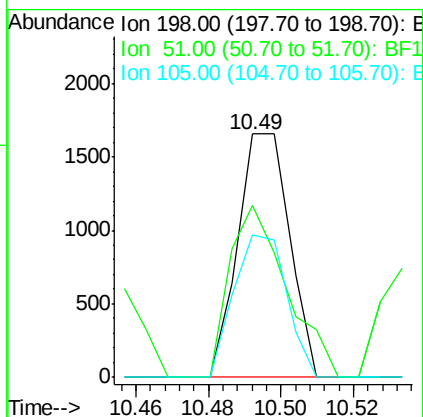
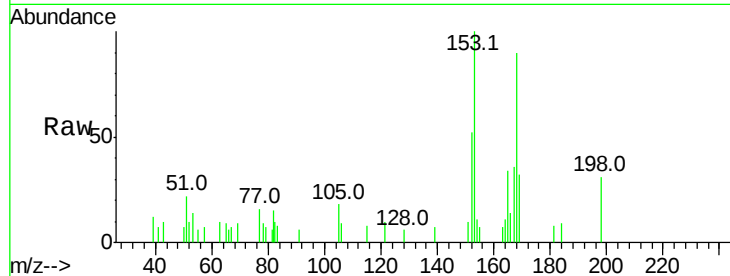




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 9.864 ng  
 RT: 10.49 min Scan# 1429  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

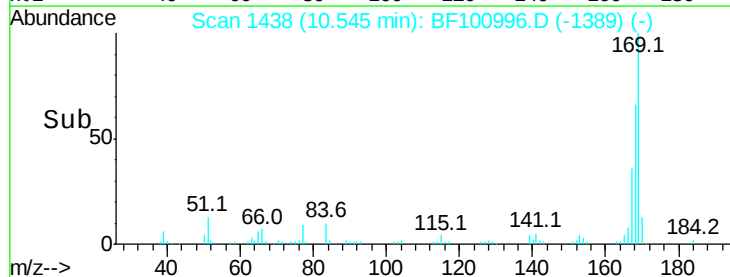
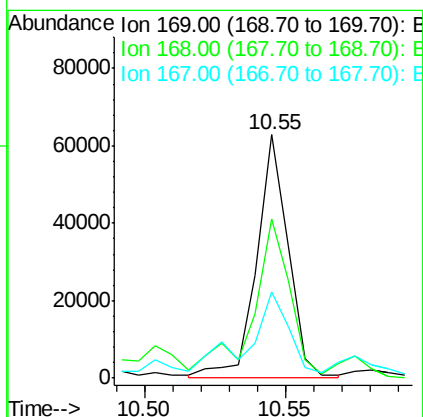
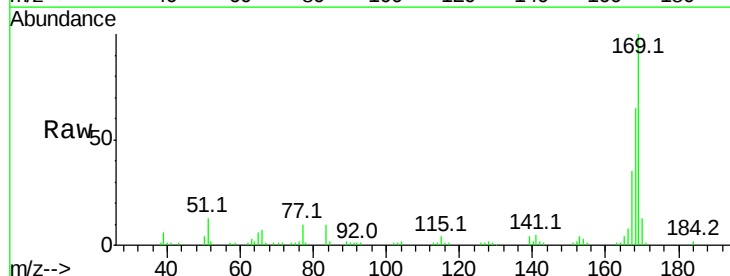
Instrument :  
 BNA\_F  
 ClientSampleId :

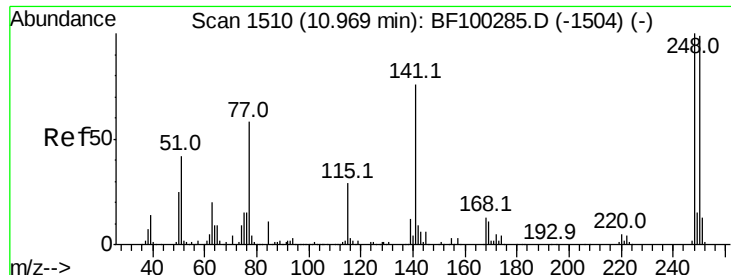
Tot Ion:198 Resp: 1638  
 Ion Ratio Lower Upper  
 198 100  
 51 70.7 37.7 77.7  
 105 58.5 36.3 76.3



#65  
 n-Nitrosodiphenylamine  
 Concen: 6.840 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Tgt Ion:169 Resp: 48993  
 Ion Ratio Lower Upper  
 169 100  
 168 65.2 54.4 81.6  
 167 35.5 29.8 44.6

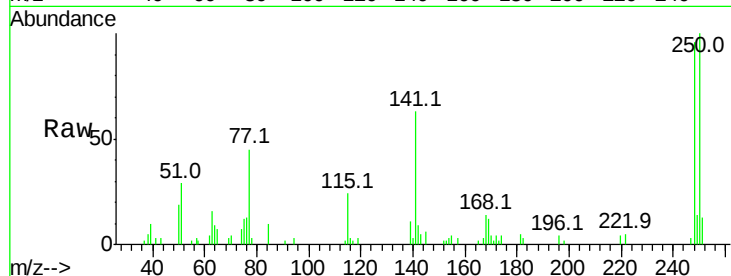




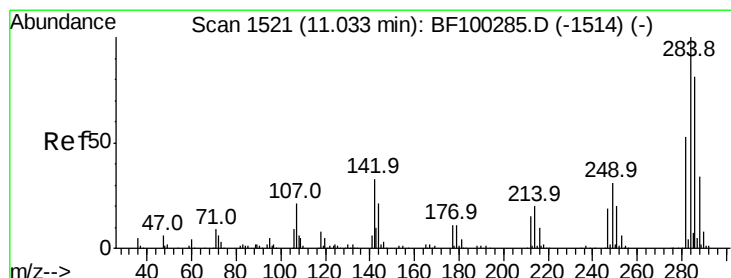
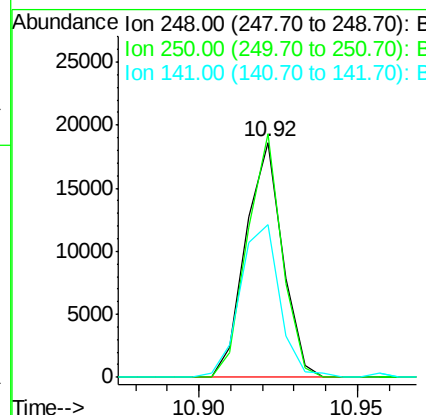
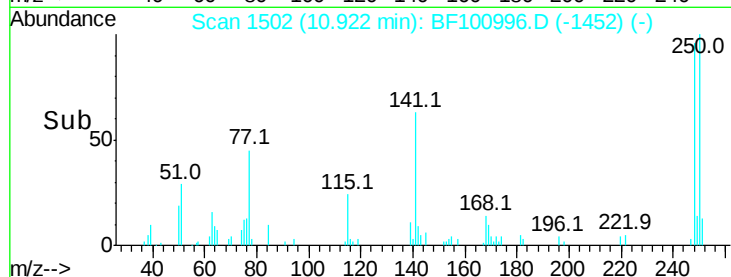
#66  
 4-Bromophenyl-phenylether  
 Concen: 6.794 ng  
 RT: 10.92 min Scan# 1502  
 Delta R.T. -0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 15002  
 Ion Ratio Lower Upper  
 248 100  
 250 103.6 76.9 115.3  
 141 65.1 74.4 111.6#

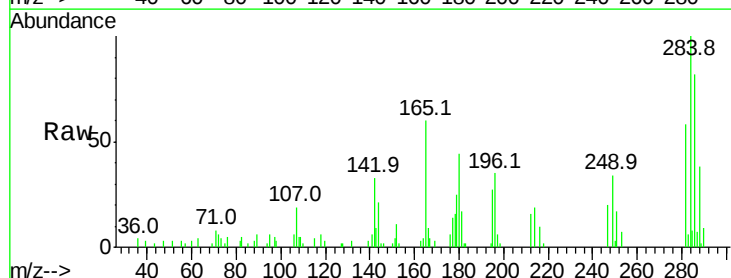


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

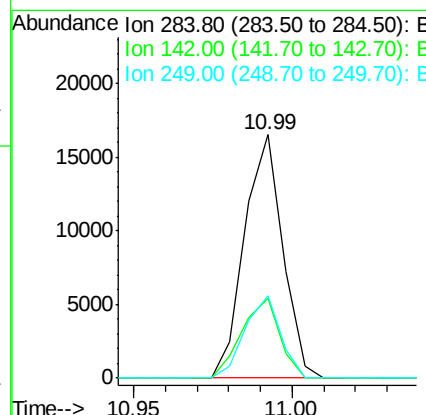
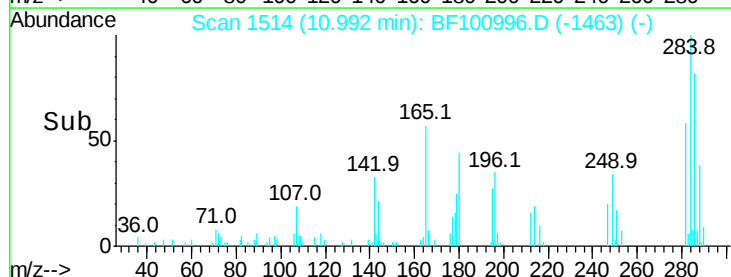


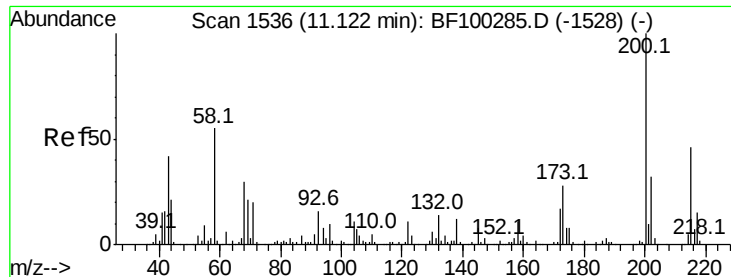
#67  
 Hexachlorobenzene  
 Concen: 5.960 ng  
 RT: 10.99 min Scan# 1514  
 Delta R.T. -0.00 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Tgt Ion:284 Resp: 13765  
 Ion Ratio Lower Upper  
 284 100  
 142 32.8 34.6 52.0#  
 249 33.7 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

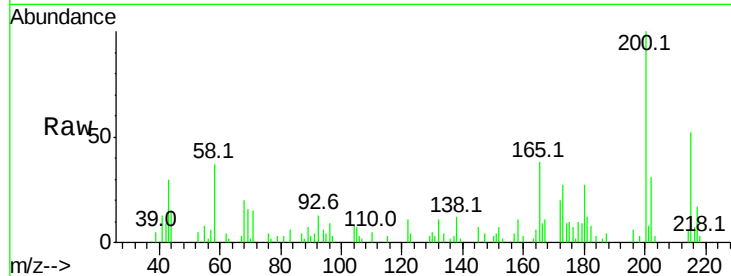




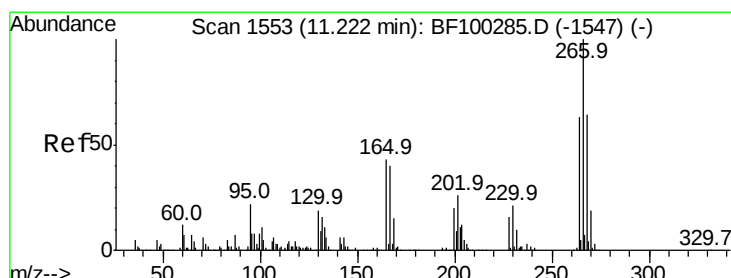
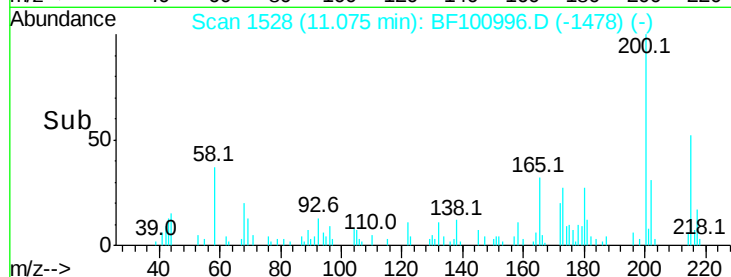
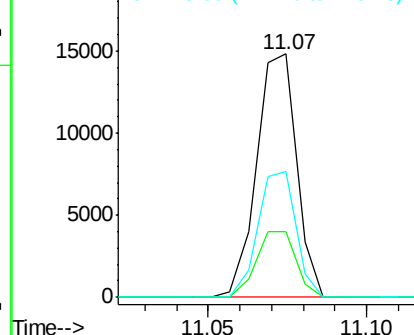
#68  
Atrazine  
Concen: 5.998 ng  
RT: 11.07 min Scan# 1528  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:200 Resp: 13004  
Ion Ratio Lower Upper  
200 100  
173 27.0 8.6 48.6  
215 51.5 25.1 65.1

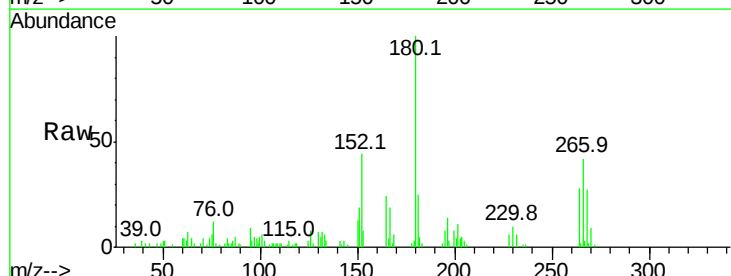


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

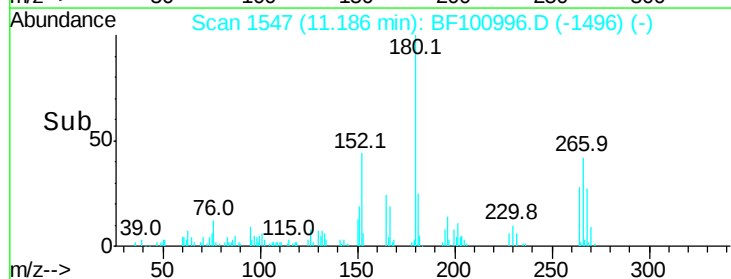
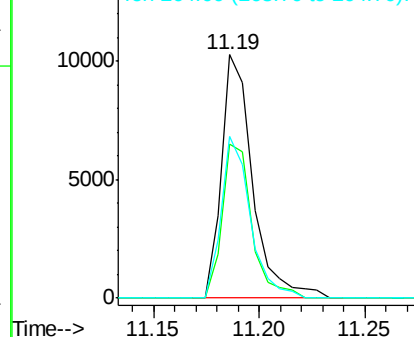


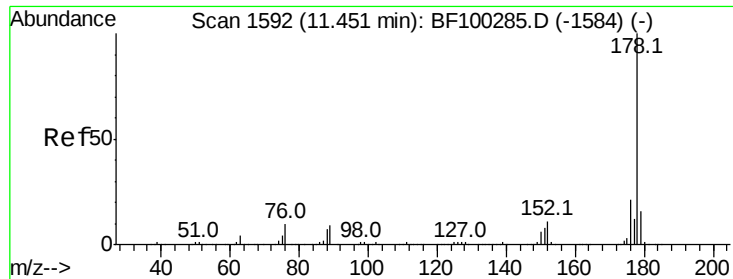
#69  
Pentachlorophenol  
Concen: 6.355 ng  
RT: 11.19 min Scan# 1547  
Delta R.T. -0.00 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Tgt Ion:266 Resp: 10525  
Ion Ratio Lower Upper  
266 100  
268 63.4 51.1 76.7  
264 66.3 49.5 74.3



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

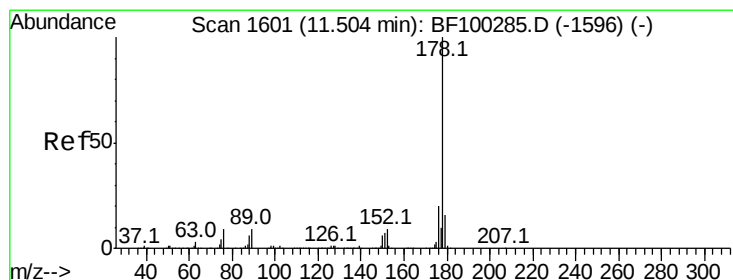
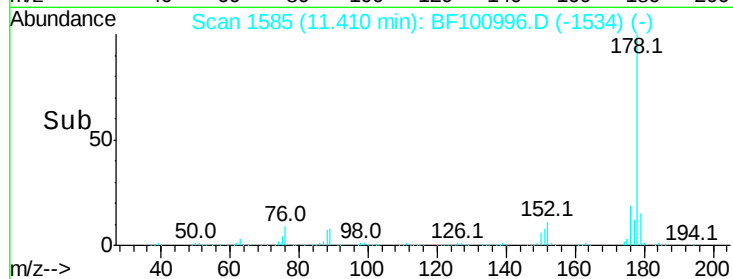
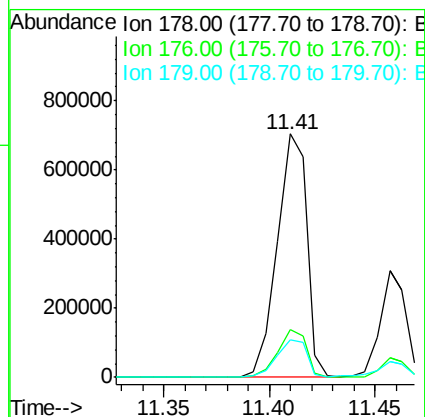
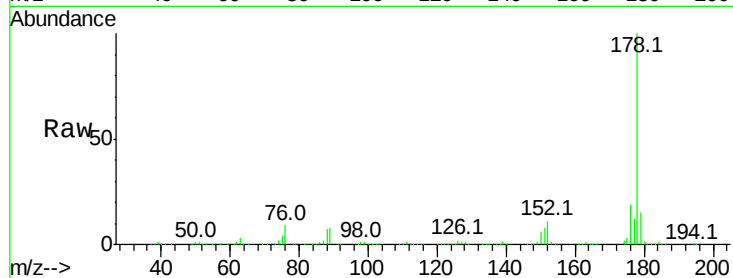




#70  
Phenanthrene  
Concen: 63.463 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.00 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

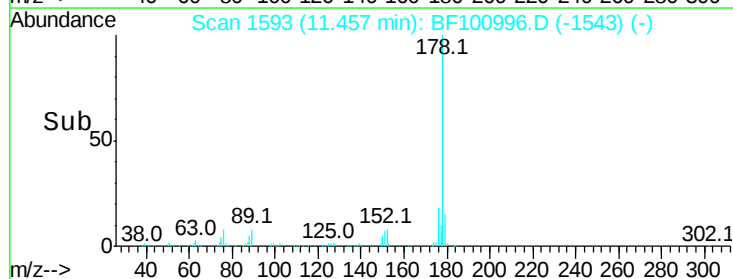
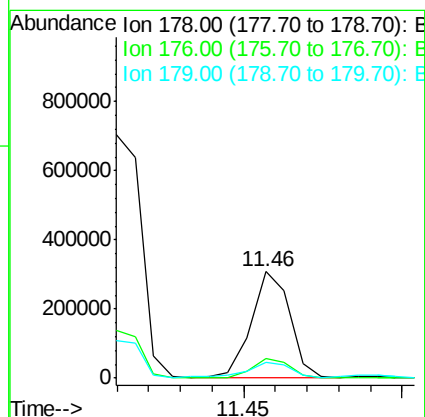
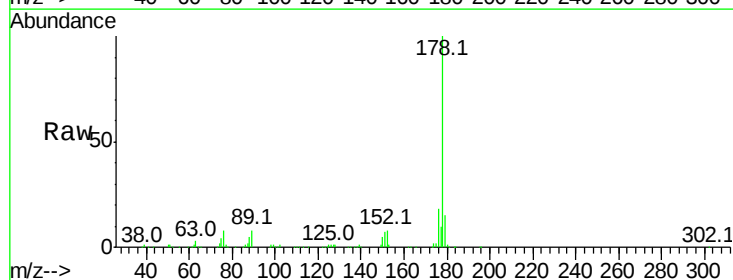
Instrument :  
BNA\_F  
ClientSampled :

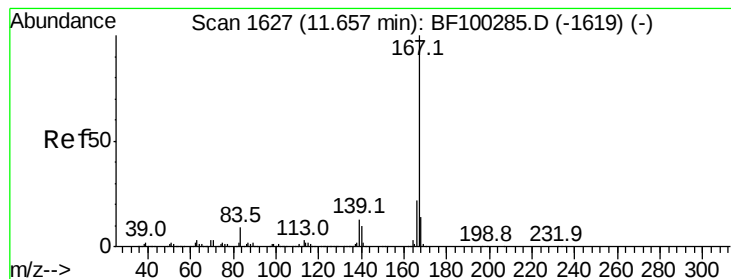
Tot Ion:178 Resp: 688324  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.8 23.8  
179 15.3 13.0 19.6



#71  
Anthracene  
Concen: 23.389 ng  
RT: 11.46 min Scan# 1593  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Tgt Ion:178 Resp: 257372  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.4 23.2  
179 15.0 12.6 19.0





#72

Carbazole

Concen: 8.562 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

BNA\_F

ClientSampled :

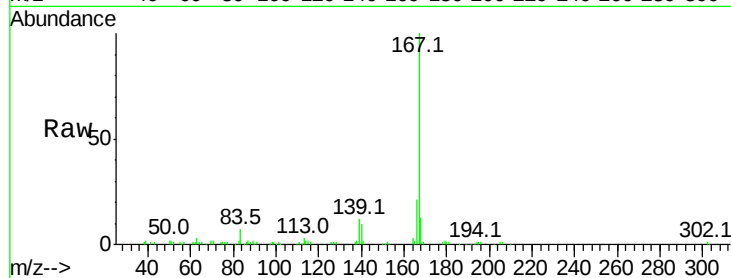
Tot Ion:167 Resp: 86931

Ion Ratio Lower Upper

167 100

166 21.0 17.6 26.4

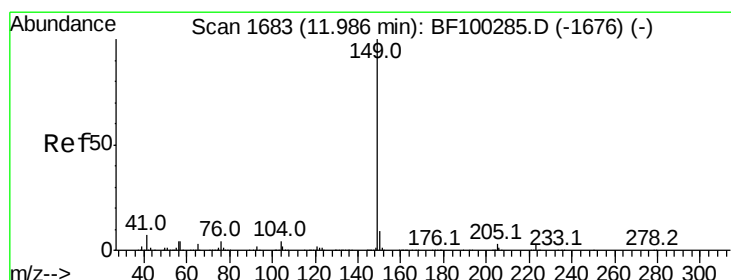
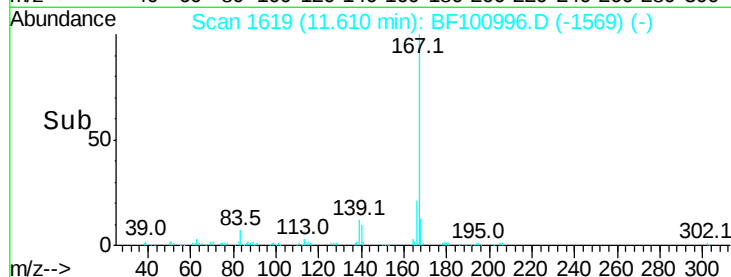
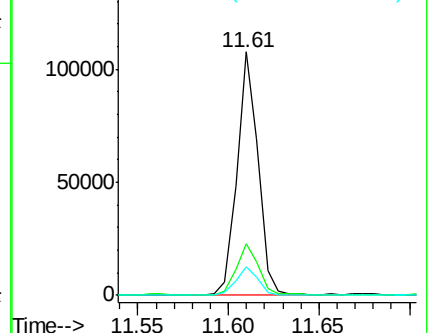
139 11.9 10.9 16.3



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: 6.486 ng

RT: 11.93 min Scan# 1674

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

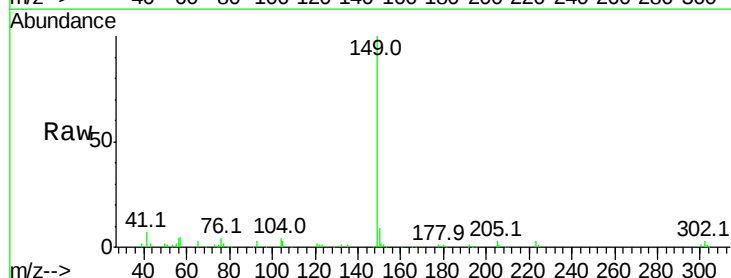
Tgt Ion:149 Resp: 77063

Ion Ratio Lower Upper

149 100

150 8.7 7.8 11.6

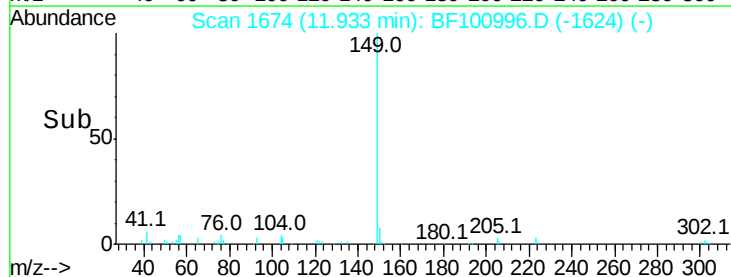
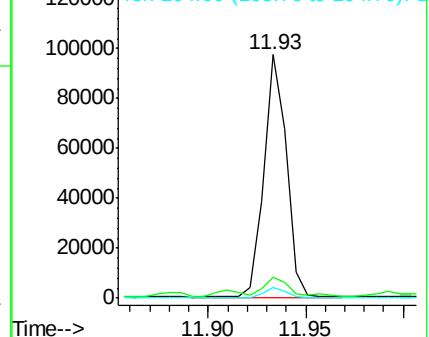
104 4.2 3.8 5.8

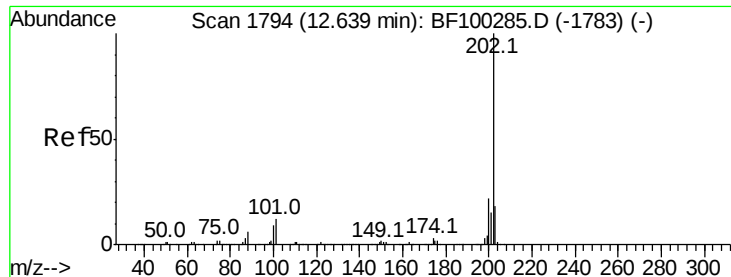


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 93.468 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

BNA\_F

ClientSampled :

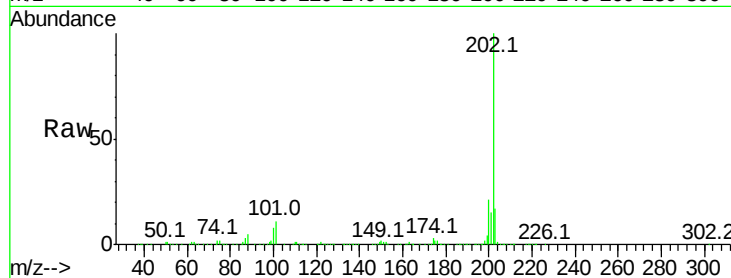
Tot Ion:202 Resp: 1074399

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.1

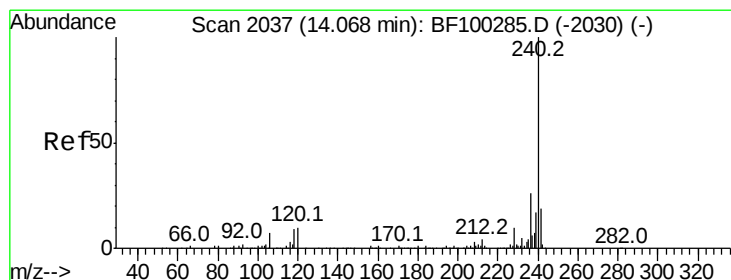
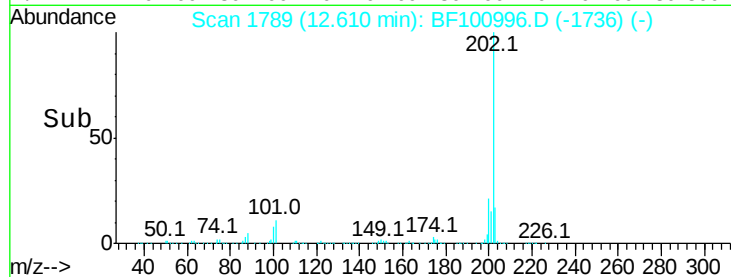
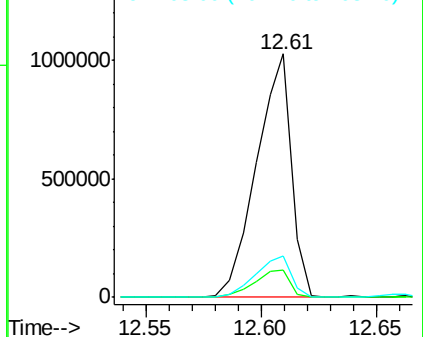
203 17.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

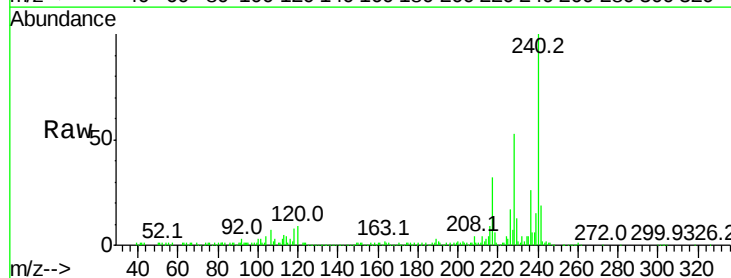
Tgt Ion:240 Resp: 139313

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

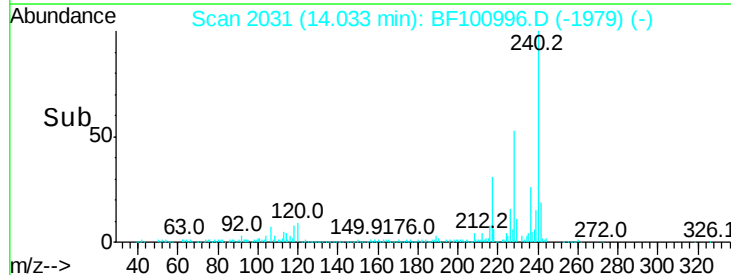
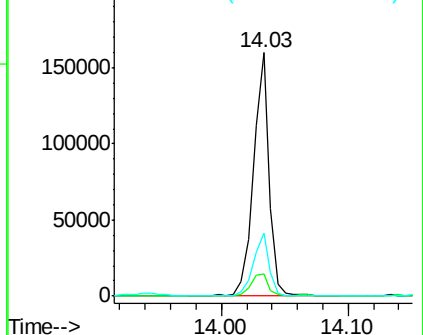
236 26.1 20.7 31.1

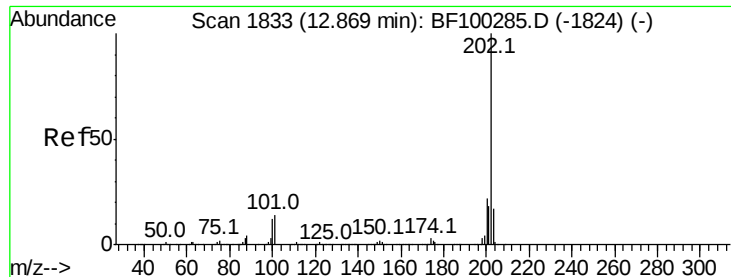


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 98.203 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

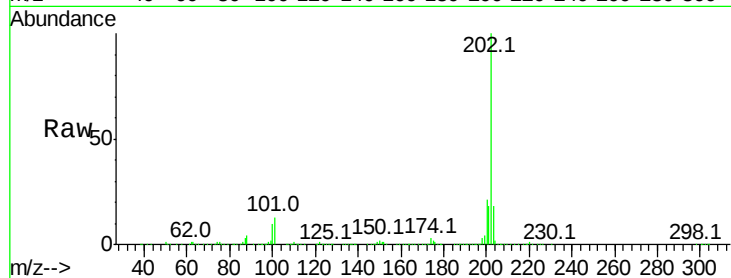
Instrument :

BNA\_F

ClientSampled :

Tot Ion:202 Resp: 975231

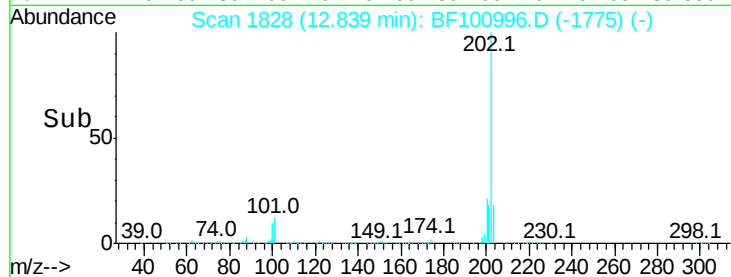
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.4  | 17.4  | 26.2  |
| 203 | 18.1  | 14.3  | 21.5  |



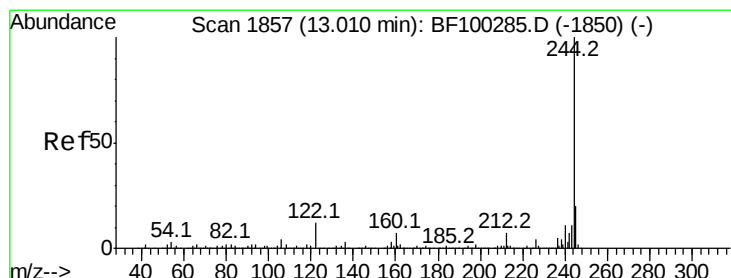
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 13.910 ng

RT: 12.96 min Scan# 1849

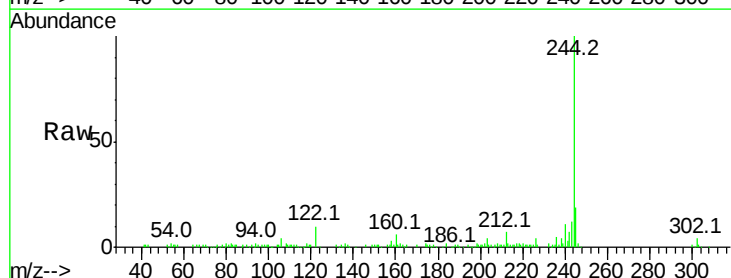
Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Tgt Ion:244 Resp: 84338

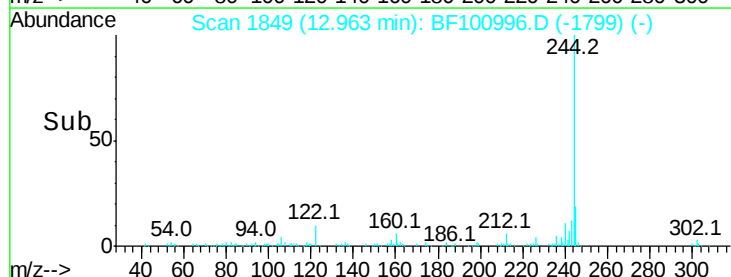
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.7   | 5.4   | 8.0   |
| 122 | 10.1  | 11.0  | 16.4  |



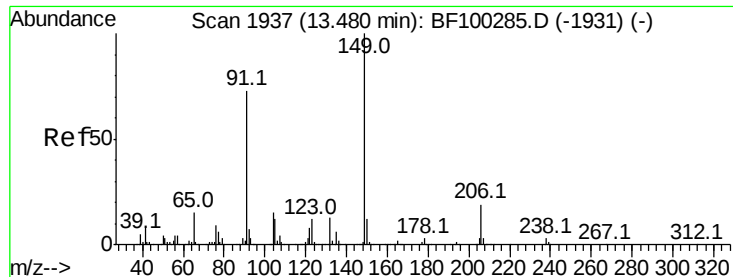
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



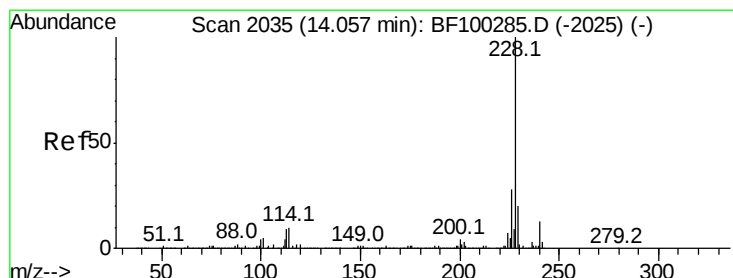
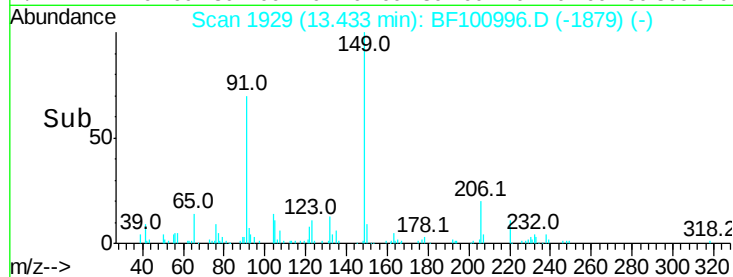
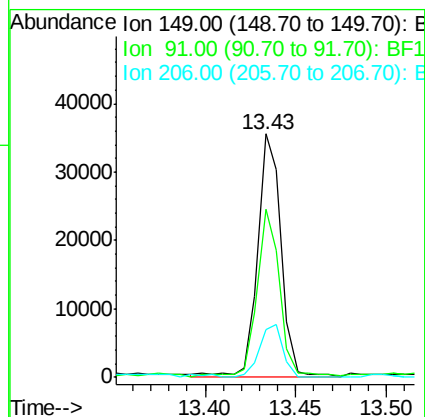
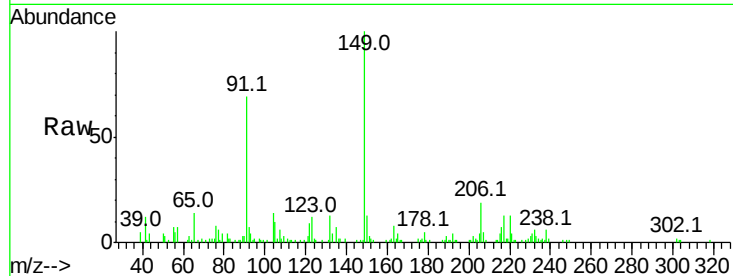
Time-->



#79  
Butylbenzylphthalate  
Concen: 7.984 ng  
RT: 13.43 min Scan# 1929  
Delta R.T. -0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

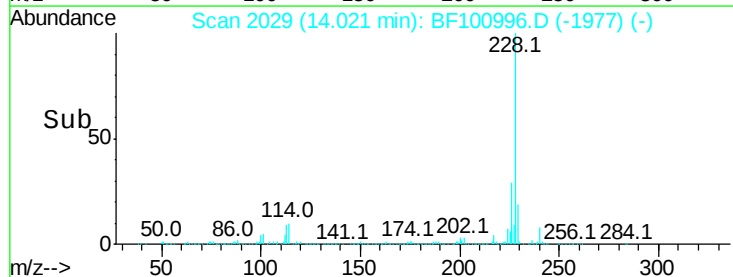
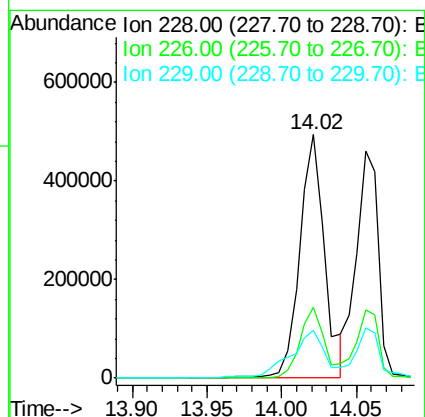
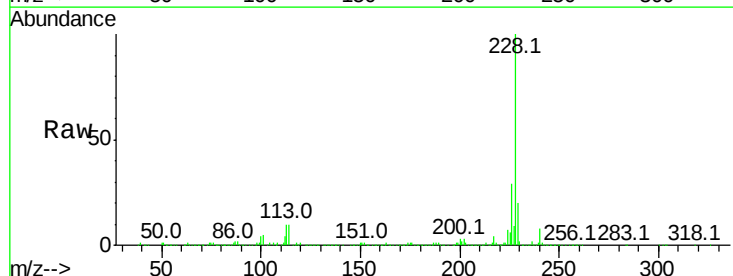
Instrument :  
BNA\_F  
ClientSampleId :

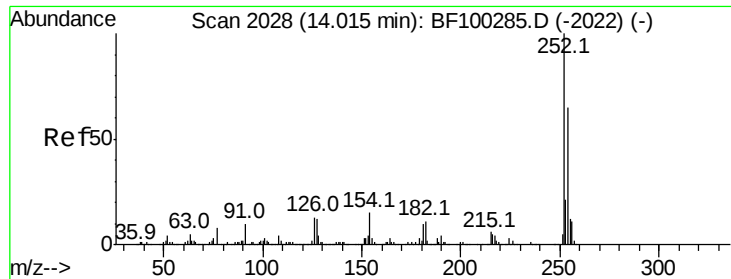
Tot Ion:149 Resp: 32333  
Ion Ratio Lower Upper  
149 100  
91 69.0 56.8 85.2  
206 19.5 14.1 21.1



#80  
Benzo(a)anthracene  
Concen: 68.173 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. 0.01 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

Tgt Ion:228 Resp: 571930  
Ion Ratio Lower Upper  
228 100  
226 29.0 22.6 33.8  
229 19.9 15.8 23.6

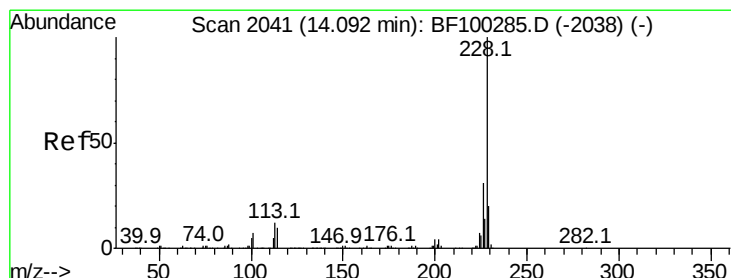
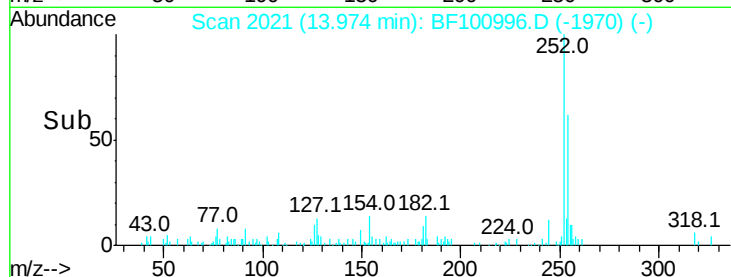
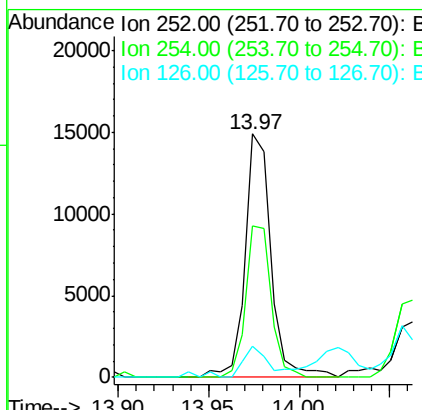
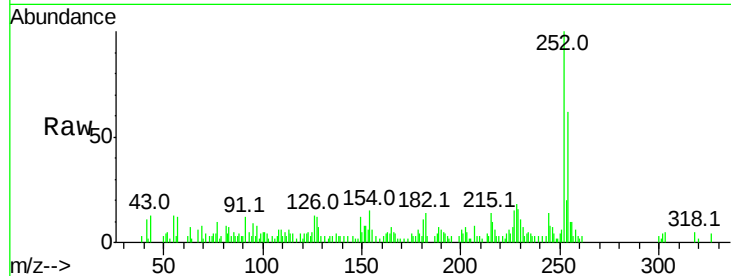




#81  
 3,3'-Dichlorobenzidine  
 Concen: 4.916 ng  
 RT: 13.97 min Scan# 2021  
 Delta R.T. -0.00 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

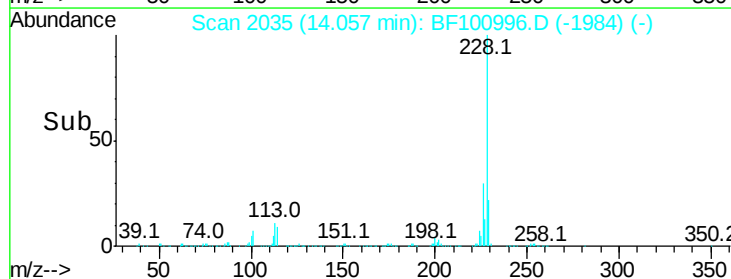
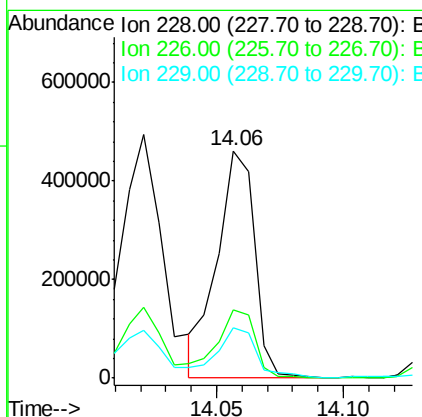
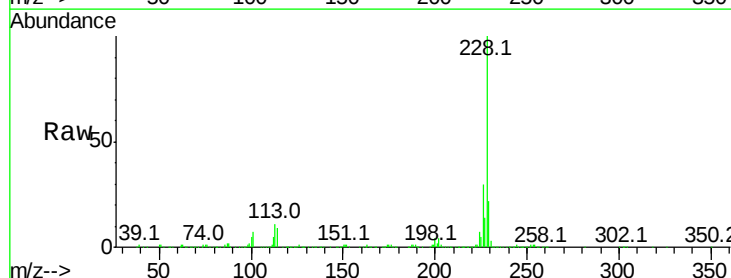
Instrument :  
 BNA\_F  
 ClientSampleId :

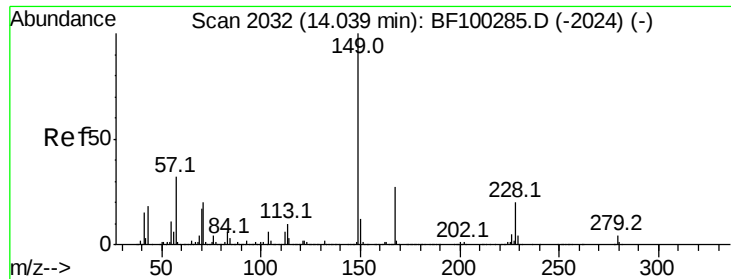
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 62.3  | 50.4  | 75.6  |
| 126     | 12.6  | 11.3  | 16.9  |



#82  
 Chrysene  
 Concen: 58.098 ng  
 RT: 14.06 min Scan# 2035  
 Delta R.T. -0.00 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.3  | 25.0  | 37.6  |
| 229     | 22.1  | 16.2  | 24.4  |

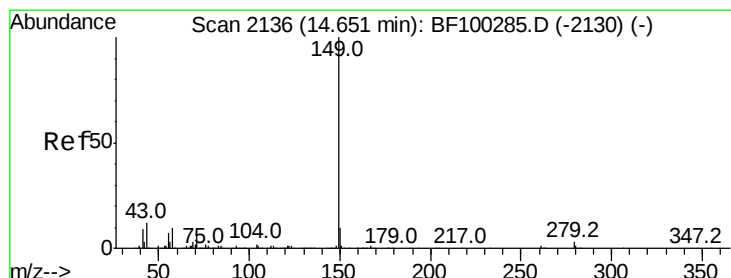
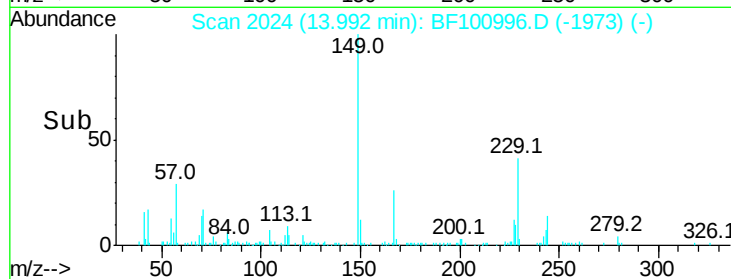
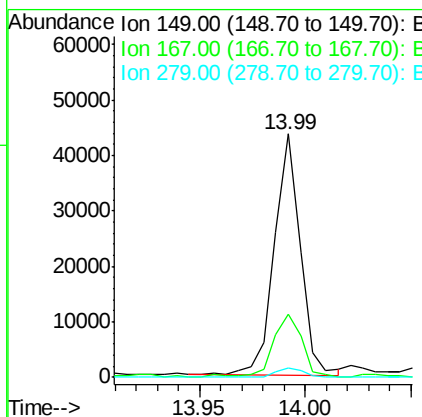
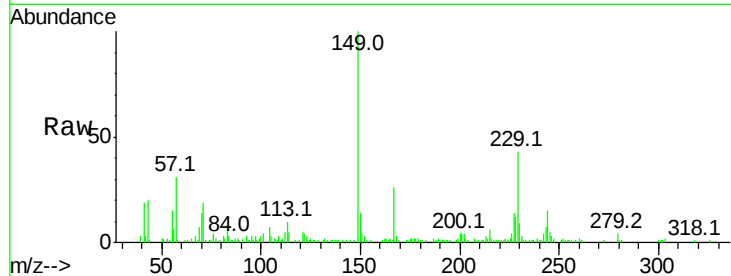




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 7.006 ng  
 RT: 13.99 min Scan# 2024  
 Delta R.T. -0.00 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

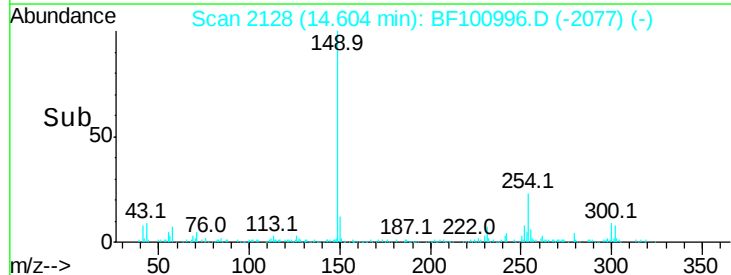
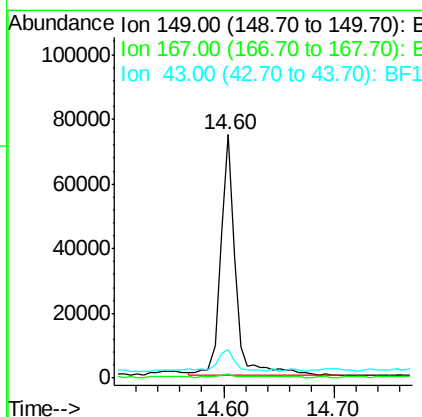
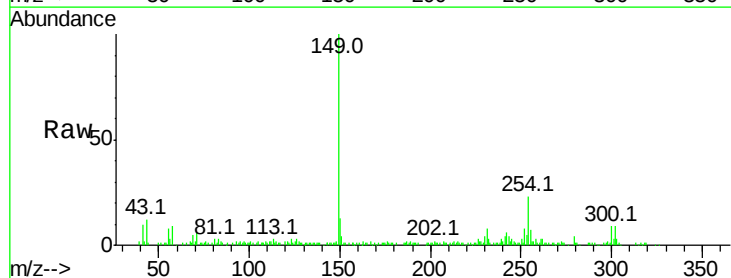
Instrument :  
 BNA\_F  
 ClientSampleId :

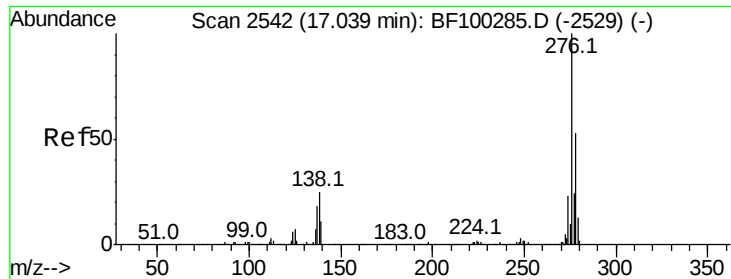
Tot Ion:149 Resp: 37319  
 Ion Ratio Lower Upper  
 149 100  
 167 26.1 21.3 31.9  
 279 3.7 3.0 4.4



#84  
 Di-n-octyl phthalate  
 Concen: 7.750 ng  
 RT: 14.60 min Scan# 2128  
 Delta R.T. -0.00 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Tgt Ion:149 Resp: 70922  
 Ion Ratio Lower Upper  
 149 100  
 167 2.9 1.2 1.8#  
 43 10.8 8.4 12.6

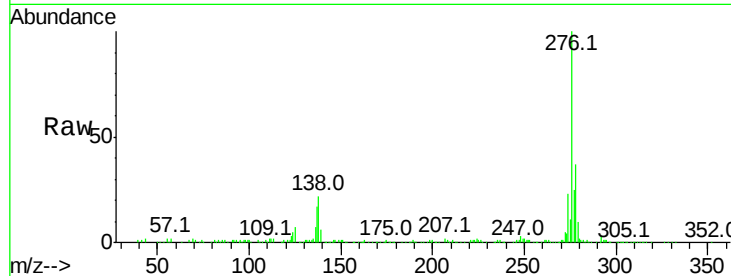




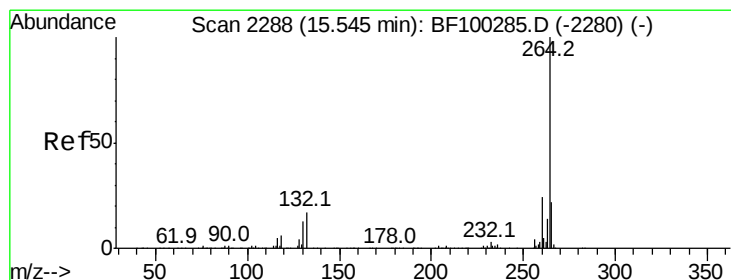
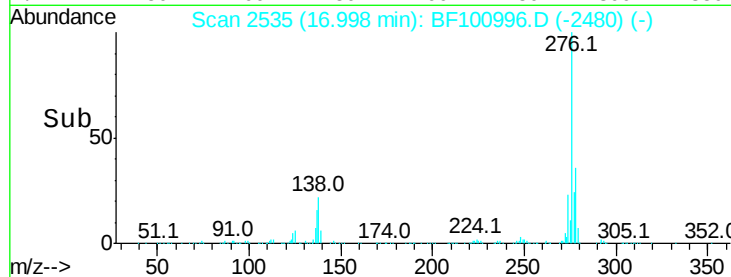
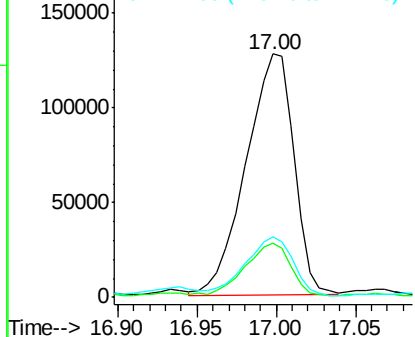
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 40.858 ng  
 RT: 17.00 min Scan# 2535  
 Delta R.T. 0.02 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.8  | 25.0  | 37.6# |
| 277     | 24.0  | 20.1  | 30.1  |

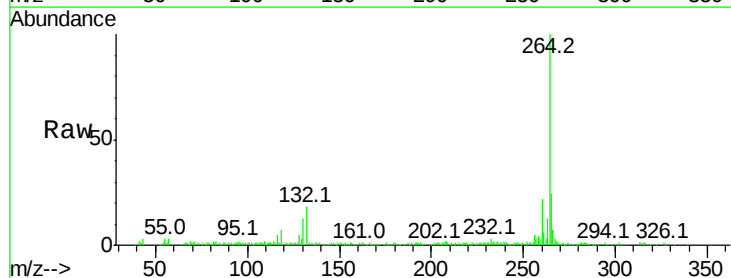


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

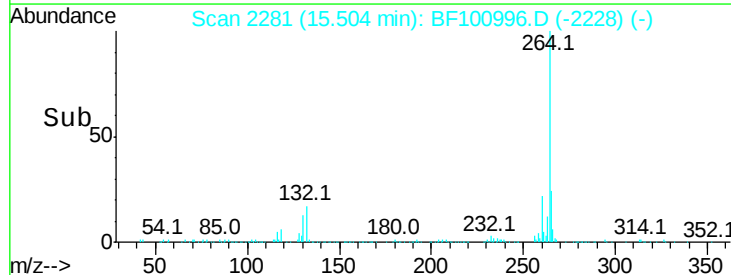
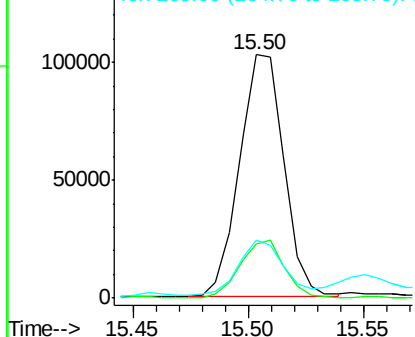


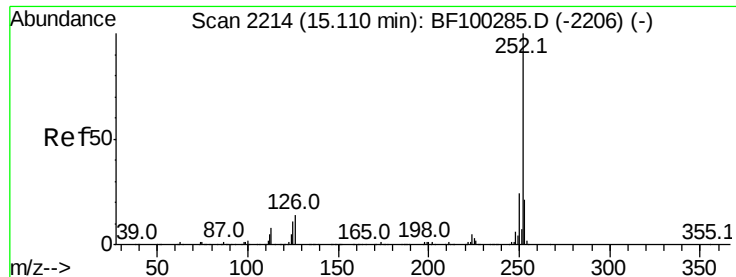
#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.50 min Scan# 2281  
 Delta R.T. 0.01 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.3  | 19.2  | 28.8  |
| 265     | 24.0  | 17.5  | 26.3  |



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

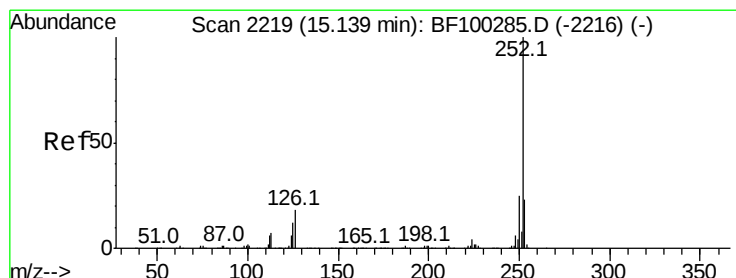
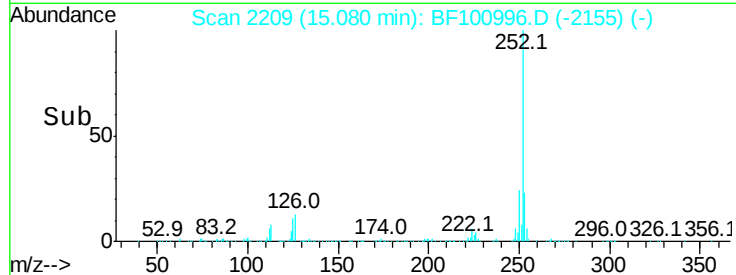
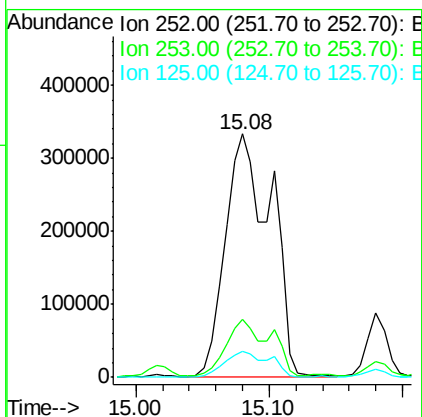
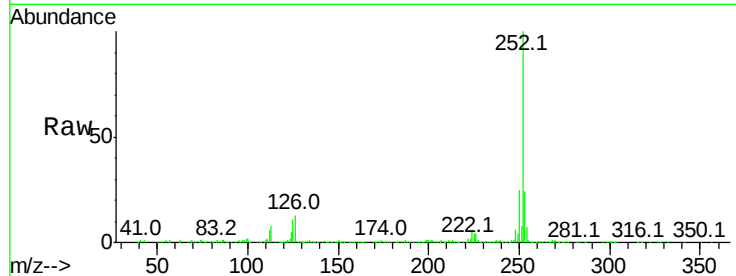




#87  
Benzo(b)fluoranthene  
Concen: 96.737 ng  
RT: 15.08 min Scan# 2209  
Delta R.T. 0.02 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

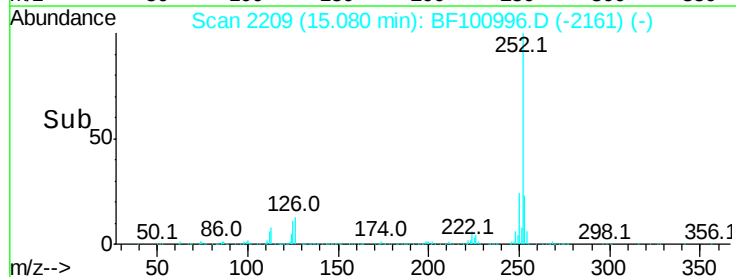
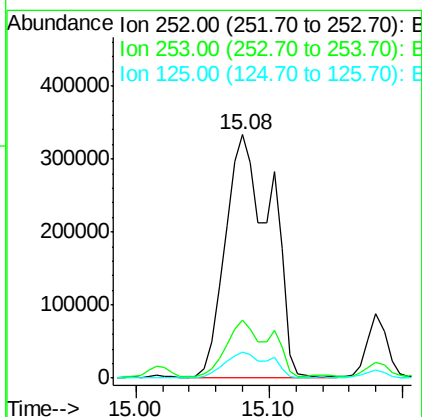
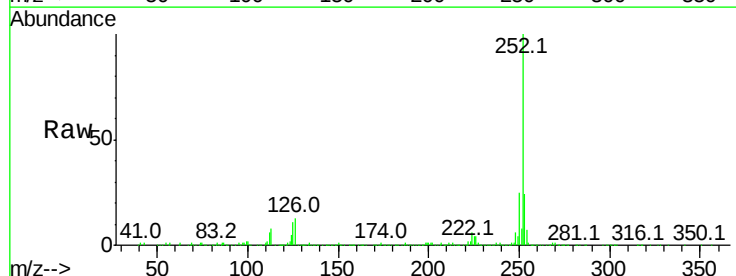
Instrument :  
BNA\_F  
ClientSampleId :

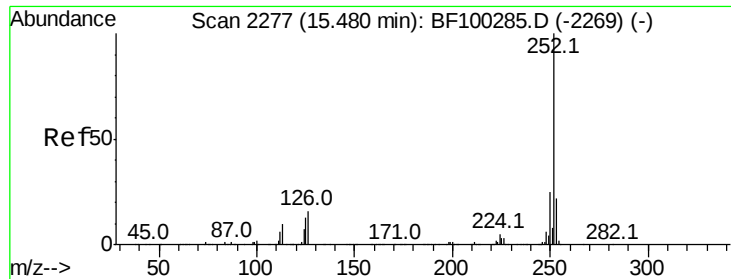
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 17.0  | 25.6  |
| 125     | 10.9  | 9.0   | 13.6  |



#88  
Benzo(k)fluoranthene  
Concen: 102.383 ng  
RT: 15.08 min Scan# 2209  
Delta R.T. -0.02 min  
Lab File: BF100996.D  
Acq: 29 Nov 2017 23:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 17.9  | 26.9  |
| 125     | 10.9  | 10.2  | 15.2  |





#89

Benzo(a)pyrene

Concen: 57.603 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.02 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

BNA\_F

ClientSampled :

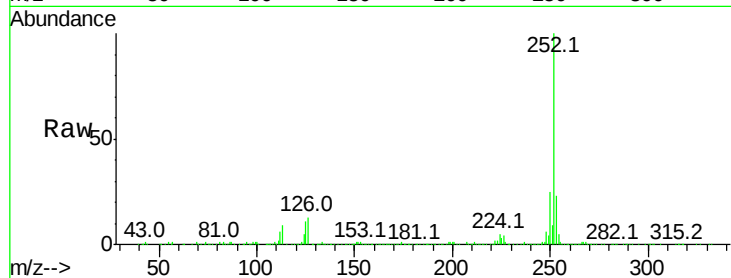
Tot Ion:252 Resp: 417749

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

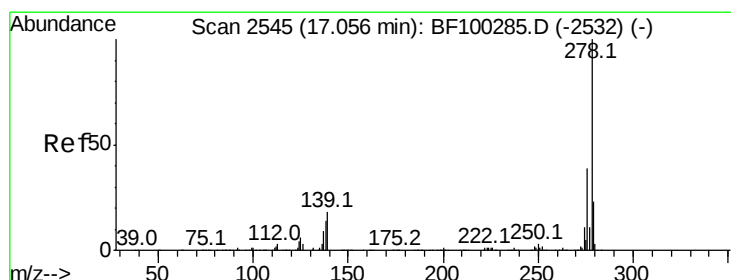
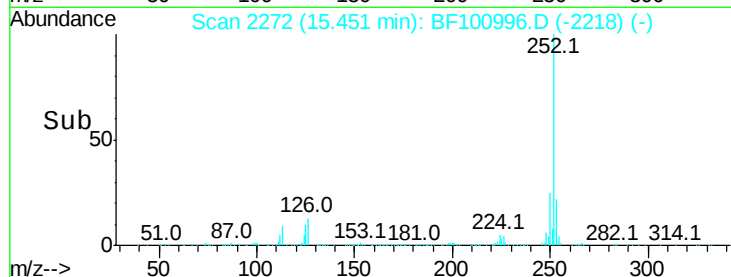
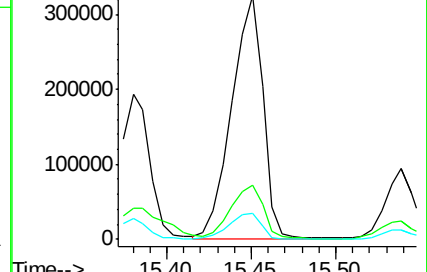
125 10.6 9.8 14.6



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: 6.479 ng

RT: 16.79 min Scan# 2500

Delta R.T. -0.19 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

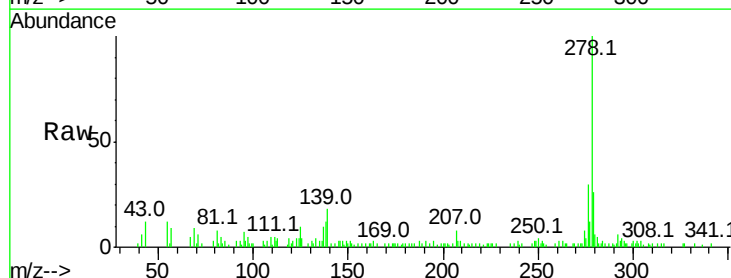
Tgt Ion:278 Resp: 38426

Ion Ratio Lower Upper

278 100

139 17.5 15.9 23.9

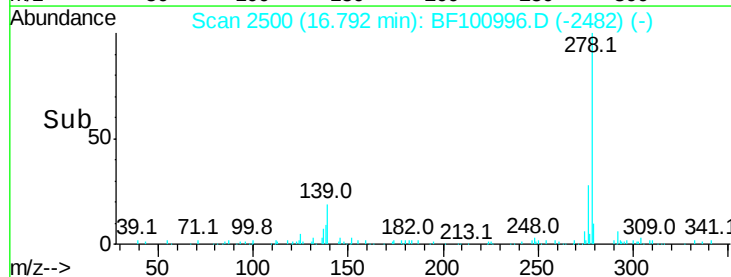
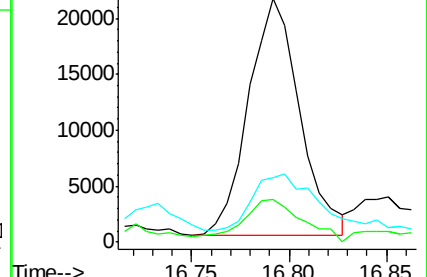
279 26.4 19.0 28.4

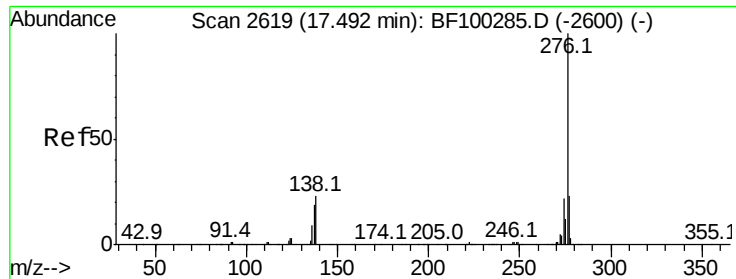


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

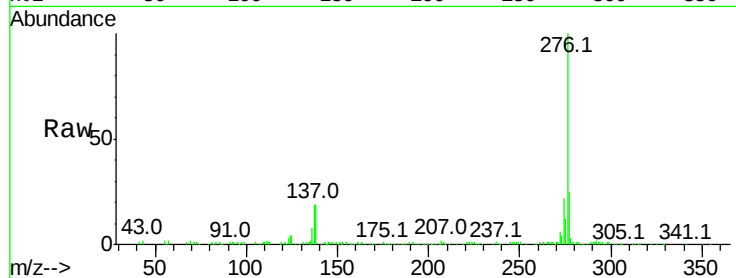




#91  
 Benzo(a,h,i)perylene  
 Concen: 40.908 ng  
 RT: 17.45 min Scan# 2612  
 Delta R.T. 0.03 min  
 Lab File: BF100996.D  
 Acq: 29 Nov 2017 23:25

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.7  | 17.9  | 26.9  |
| 138     | 19.0  | 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

