

Data Path : Z:\HPCHEM1\BNA F\Data\BF020415\  
 Data File : BF077180.D  
 Acq On : 4 Feb 2015 16:16  
 Operator : TP/IZ  
 Sample : PB81600BSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

Quant Time: Feb 05 00:34:54 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 05 00:24:19 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 24428    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.59 | 136  | 97983    | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.72 | 164  | 47793    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.56 | 188  | 88055    | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.07 | 240  | 90072    | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 22.74 | 264  | 80055    | 20.00 | ng    | -0.05    |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 4.69  | 112 | 142899 | 96.18  | ng | 0.00  |
| 7) Phenol-d6             | 7.08  | 99  | 180784 | 96.46  | ng | -0.01 |
| 23) Nitrobenzene-d5      | 8.99  | 82  | 164258 | 92.87  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 16.44 | 330 | 41543  | 107.08 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 13.24 | 172 | 338857 | 107.90 | ng | 0.00  |
| 78) Terphenyl-d14        | 19.81 | 244 | 374564 | 95.74  | ng | 0.00  |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.12  | 88  | 21820  | 34.30 | ng | 96     |
| 3) Pyridine                    | 1.56  | 79  | 55531  | 33.73 | ng | 90     |
| 4) n-Nitrosodimethylamine      | 1.53  | 42  | 29274  | 35.90 | ng | # 87   |
| 6) Aniline                     | 6.98  | 93  | 37857  | 14.60 | ng | 98     |
| 8) 2-Chlorophenol              | 7.21  | 128 | 64855  | 37.86 | ng | 97     |
| 9) Benzaldehyde                | 6.74  | 77  | 5180   | 3.67  | ng | 92     |
| 10) Phenol                     | 7.12  | 94  | 70178  | 35.26 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 7.23  | 93  | 60111  | 38.60 | ng | # 75   |
| 12) 1,3-Dichlorobenzene        | 7.53  | 146 | 69957  | 35.90 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 7.72  | 146 | 71904  | 34.80 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 8.03  | 146 | 69237  | 36.36 | ng | 95     |
| 15) Benzyl Alcohol             | 8.13  | 79  | 53717  | 35.42 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.48  | 45  | 78797  | 37.64 | ng | 97     |
| 17) 2-Methylphenol             | 8.48  | 107 | 50235  | 35.89 | ng | 95     |
| 18) Hexachloroethane           | 8.77  | 117 | 26654  | 37.08 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.76  | 70  | 46283  | 35.28 | ng | 95     |
| 20) 3+4-Methylphenols          | 8.88  | 107 | 54567  | 29.44 | ng | 96     |
| 22) Acetophenone               | 8.68  | 105 | 93824  | 39.09 | ng | 96     |
| 24) Nitrobenzene               | 9.04  | 77  | 67922  | 37.70 | ng | 98     |
| 25) Isophorone                 | 9.63  | 82  | 121455 | 37.71 | ng | 96     |
| 26) 2-Nitrophenol              | 9.78  | 139 | 31090  | 34.22 | ng | # 89   |
| 27) 2,4-Dimethylphenol         | 10.05 | 122 | 54923  | 39.42 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93  | 74638  | 40.77 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.38 | 162 | 44526  | 34.29 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.50 | 180 | 57262  | 39.70 | ng | 97     |
| 31) Naphthalene                | 10.64 | 128 | 189914 | 37.65 | ng | 99     |
| 32) Benzoic acid               | 10.44 | 122 | 7804   | 10.11 | ng | 90     |
| 33) 4-Chloroaniline            | 10.91 | 127 | 31741  | 15.57 | ng | 95     |
| 34) Hexachlorobutadiene        | 11.00 | 225 | 31612  | 36.94 | ng | 94     |
| 35) Caprolactam                | 11.73 | 113 | 13763  | 36.00 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 12.20 | 107 | 54186  | 36.44 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.29 | 142 | 132558 | 38.48 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.69 | 216 | 49835  | 42.18 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.68 | 237 | 51335  | 80.66 | ng | 95     |

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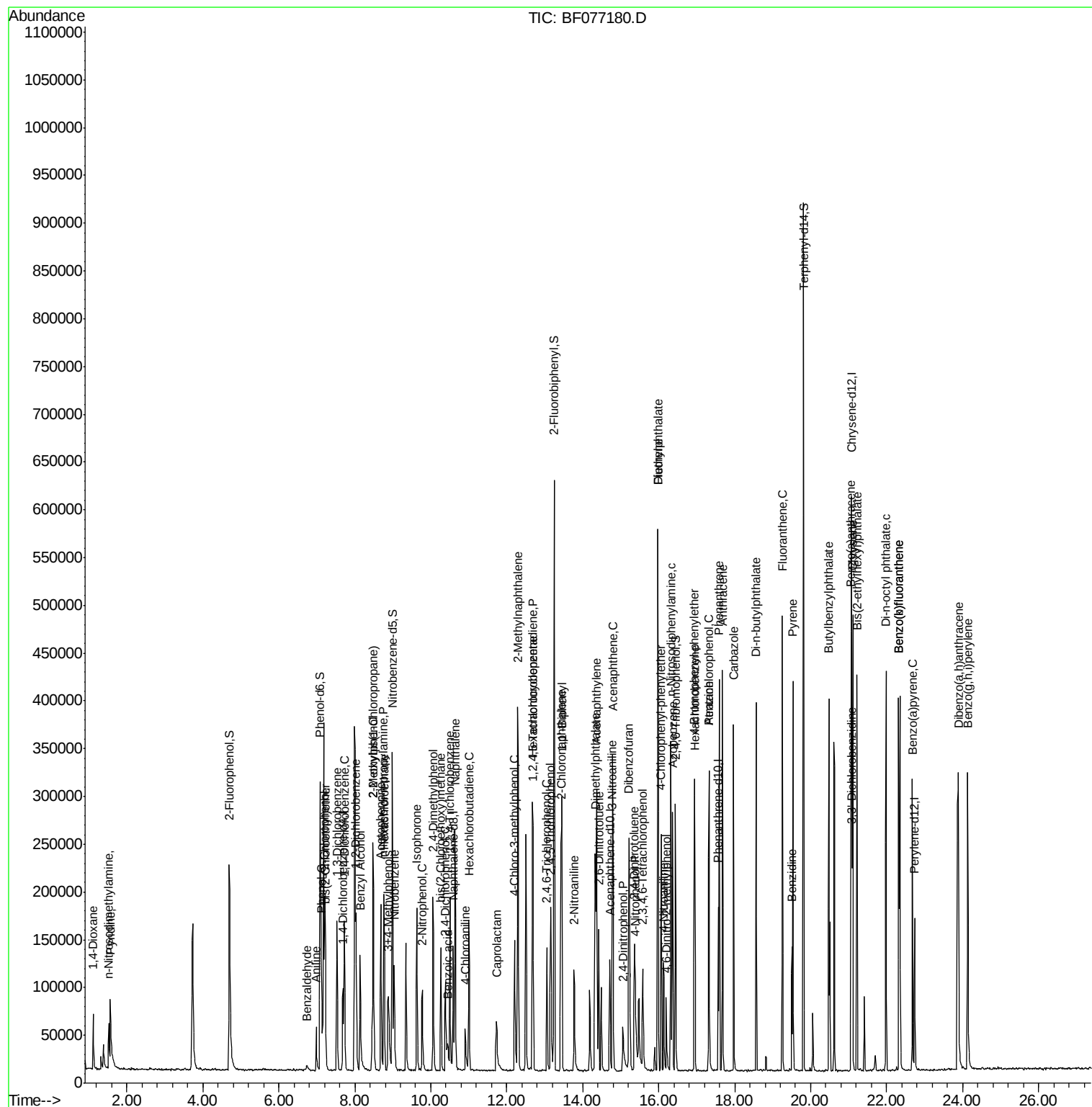
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 42) 2,4,6-Trichlorophenol      | 13.05 | 196  | 32483    | 37.73 | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 13.15 | 196  | 29093    | 33.13 | nq    | # 93     |
| 45) 1,1'-Biphenyl              | 13.45 | 154  | 158598   | 44.76 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.43 | 162  | 125237   | 42.95 | nq    | 96       |
| 47) 2-Nitroaniline             | 13.77 | 65   | 36926    | 41.75 | nq    | 95       |
| 48) Acenaphthylene             | 14.36 | 152  | 207121   | 42.12 | nq    | 99       |
| 49) Dimethylphthalate          | 14.33 | 163  | 149481   | 44.10 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.42 | 165  | 33005    | 48.74 | nq    | 97       |
| 51) Acenaphthene               | 14.79 | 154  | 116572   | 41.78 | nq    | 97       |
| 52) 3-Nitroaniline             | 14.77 | 138  | 20994    | 24.66 | nq    | # 88     |
| 53) 2,4-Dinitrophenol          | 15.06 | 184  | 13261    | 47.35 | nq    | 91       |
| 54) Dibenzofuran               | 15.21 | 168  | 178417   | 43.89 | nq    | 96       |
| 55) 4-Nitrophenol              | 15.38 | 139  | 26751    | 50.35 | nq    | 95       |
| 56) 2,4-Dinitrotoluene         | 15.36 | 165  | 43247    | 42.84 | nq    | 96       |
| 57) Fluorene                   | 15.97 | 166  | 146990   | 42.68 | nq    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.57 | 232  | 20995    | 32.84 | nq    | # 92     |
| 59) Diethylphthalate           | 15.97 | 149  | 157197   | 45.89 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 16.07 | 204  | 61098    | 43.36 | nq    | 95       |
| 61) 4-Nitroaniline             | 16.13 | 138  | 29192    | 34.61 | nq    | 98       |
| 62) Azobenzene                 | 16.36 | 77   | 163044   | 45.68 | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 16.21 | 198  | 16552    | 30.54 | nq    | 92       |
| 65) n-Nitrosodiphenylamine     | 16.32 | 169  | 123758   | 39.42 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.93 | 248  | 35689    | 40.01 | nq    | 97       |
| 67) Hexachlorobenzene          | 16.95 | 284  | 37606    | 40.00 | nq    | 91       |
| 68) Atrazine                   | 17.32 | 200  | 40380    | 42.38 | nq    | 98       |
| 69) Pentachlorophenol          | 17.32 | 266  | 19420    | 48.06 | nq    | 97       |
| 70) Phenanthrene               | 17.60 | 178  | 211652   | 38.54 | nq    | 98       |
| 71) Anthracene                 | 17.68 | 178  | 208166   | 38.87 | nq    | 99       |
| 72) Carbazole                  | 17.97 | 167  | 204059   | 39.29 | nq    | 98       |
| 73) Di-n-butylphthalate        | 18.57 | 149  | 249836   | 41.56 | nq    | 98       |
| 74) Fluoranthene               | 19.25 | 202  | 229512   | 40.79 | nq    | 98       |
| 76) Benzidine                  | 19.51 | 184  | 83647    | 29.02 | nq    | 97       |
| 77) Pyrene                     | 19.54 | 202  | 237374   | 38.45 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.48 | 149  | 113020   | 40.43 | nq    | 98       |
| 80) Benzo(a)anthracene         | 21.06 | 228  | 207206   | 36.67 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.08 | 252  | 43323    | 24.12 | nq    | 96       |
| 82) Chrysene                   | 21.11 | 228  | 204156   | 39.61 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 163662   | 42.31 | nq    | 97       |
| 84) Di-n-octyl phthalate       | 21.99 | 149  | 276093   | 41.13 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 22.32 | 252  | 240118   | 44.53 | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 22.32 | 252  | 240118   | 50.97 | nq    | 98       |
| 89) Benzo(a)pyrene             | 22.68 | 252  | 190933   | 40.15 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 23.89 | 278  | 168775   | 38.68 | nq    | 98       |
| 91) Benzo(q,h,i)perylene       | 24.13 | 276  | 172732   | 39.82 | nq    | # 92     |
| -----                          |       |      |          |       |       |          |

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

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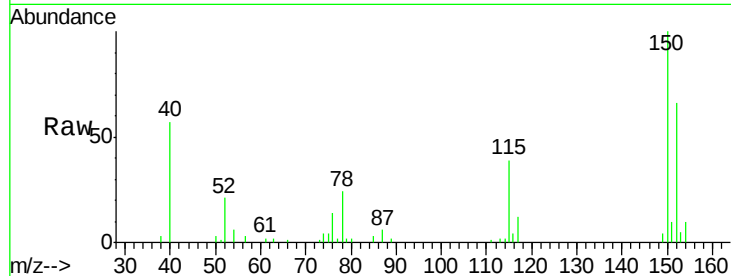


#1

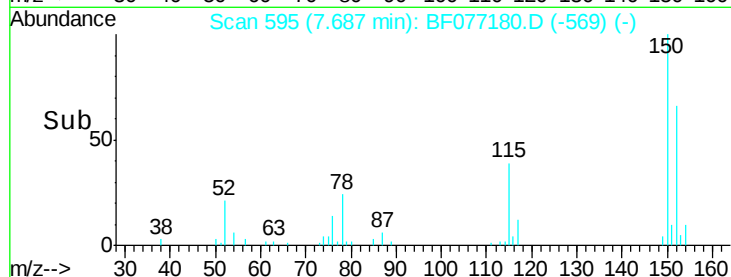
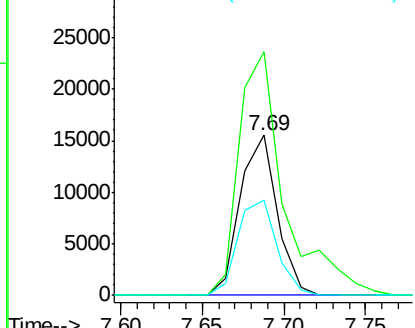
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.69 min Scan# 595  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

Tot Ion:152 Resp: 24428  
Ion Ratio Lower Upper  
152 100  
150 151.9 121.7 182.5  
115 59.5 47.0 70.6



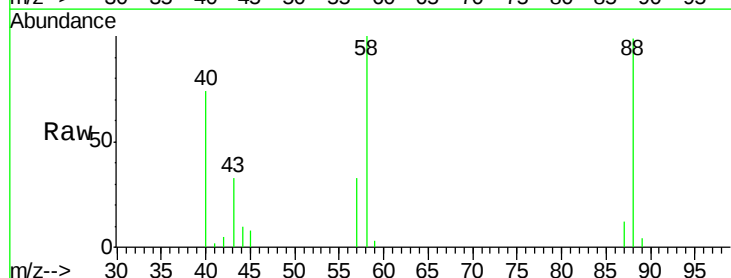
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



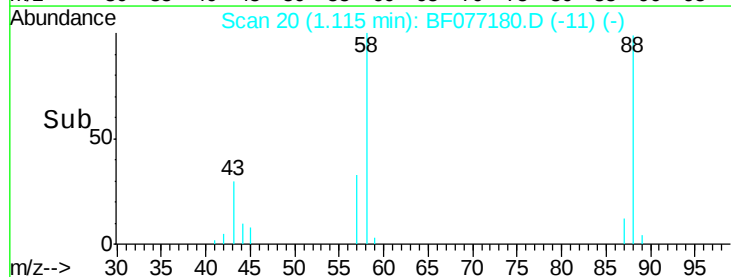
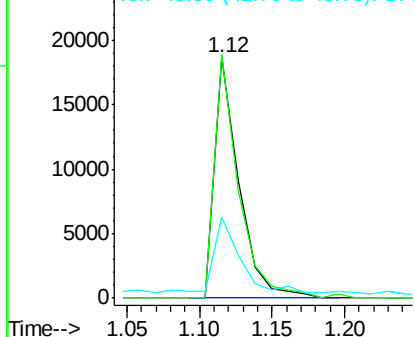
#2

1,4-Dioxane  
Concen: 34.30 ng  
RT: 1.12 min Scan# 20  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion: 88 Resp: 21820  
Ion Ratio Lower Upper  
88 100  
58 100.2 77.0 115.4  
43 34.0 25.6 38.4



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0

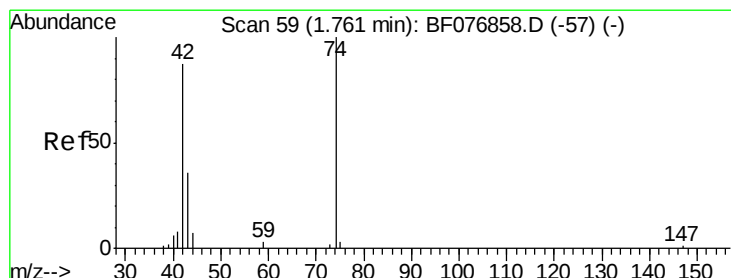
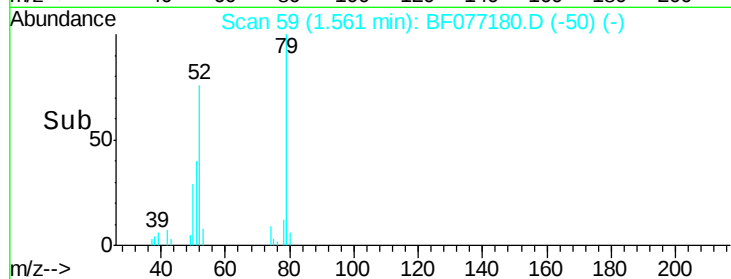
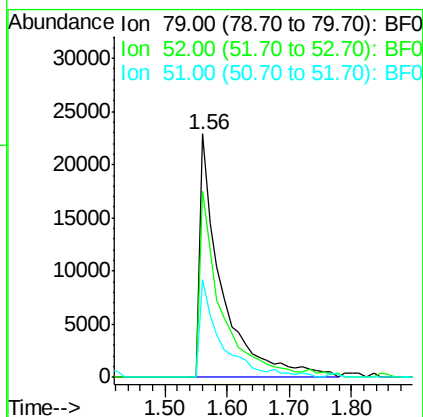
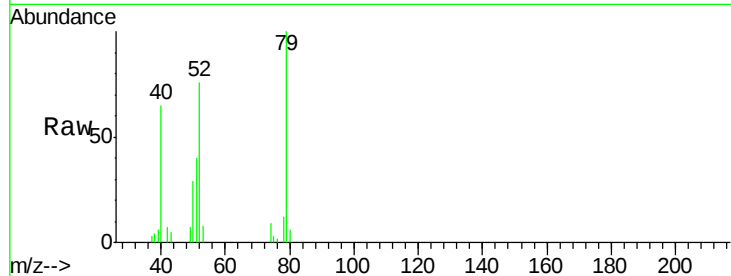




#3  
 Pvridine  
 Concen: 33.73 ng  
 RT: 1.56 min Scan# 59  
 Delta R.T. 0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

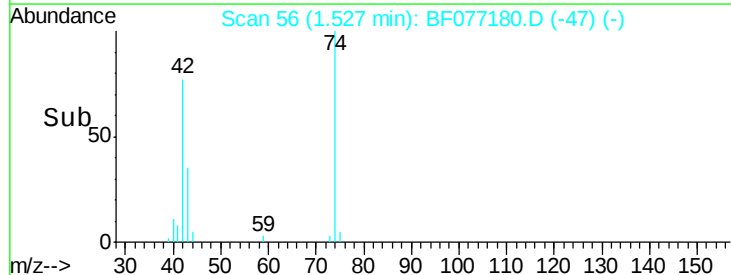
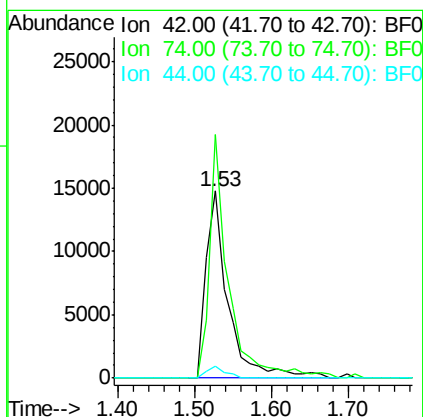
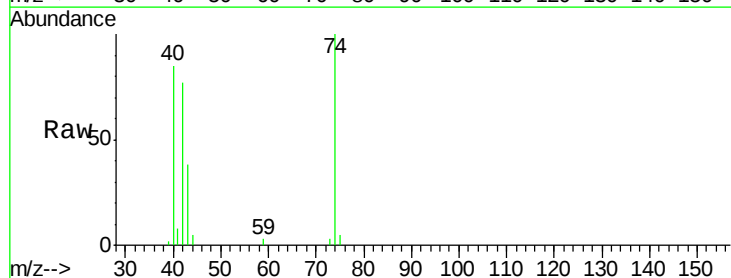
Instrument :  
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Tot Ion: 79 Resp: 55531  
 Ion Ratio Lower Upper  
 79 100  
 52 76.1 70.1 105.1  
 51 39.9 35.1 52.7



#4  
 n-Nitrosodimethylamine  
 Concen: 35.90 ng  
 RT: 1.53 min Scan# 56  
 Delta R.T. 0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion: 42 Resp: 29274  
 Ion Ratio Lower Upper  
 42 100  
 74 130.3 92.4 138.6  
 44 6.1 6.2 9.2#





#5

2-Fluorophenol

Concen: 96.18 ng

RT: 4.69 min Scan# 333

Delta R.T. -0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

Instrument :

BNA\_F

ClientSampleId :

PB81600BSD

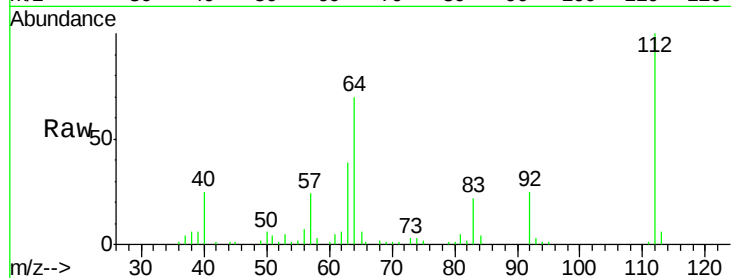
Tot Ion: 112 Resp: 142899

Ion Ratio Lower Upper

112 100

64 69.9 54.2 81.4

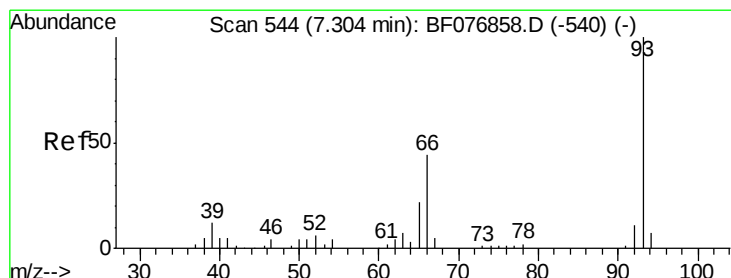
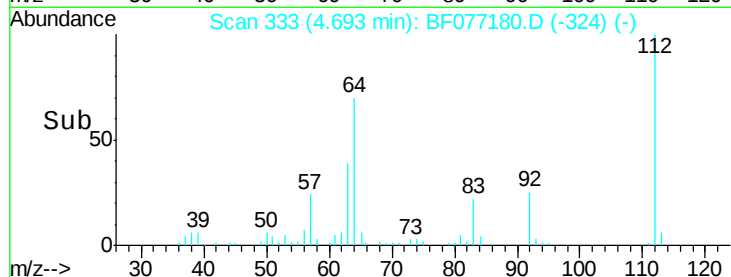
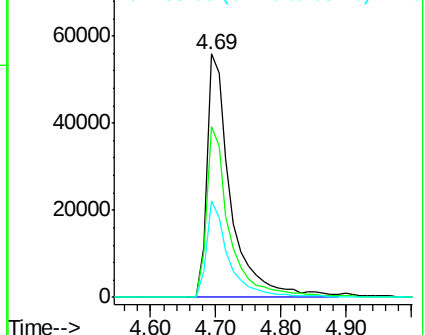
63 39.4 28.4 42.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 14.60 ng

RT: 6.98 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

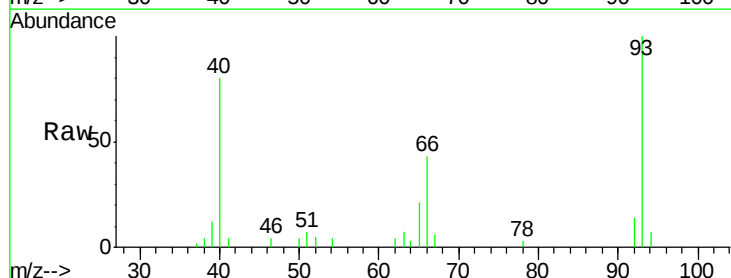
Tgt Ion: 93 Resp: 37857

Ion Ratio Lower Upper

93 100

66 42.6 35.0 52.4

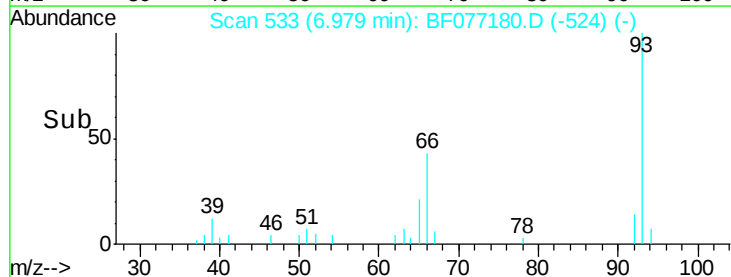
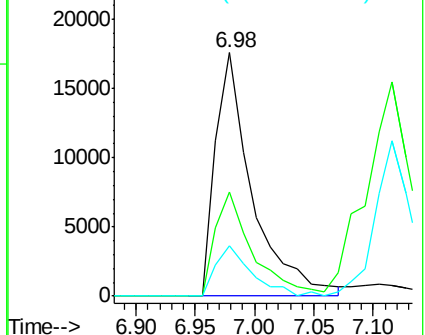
65 20.6 17.7 26.5

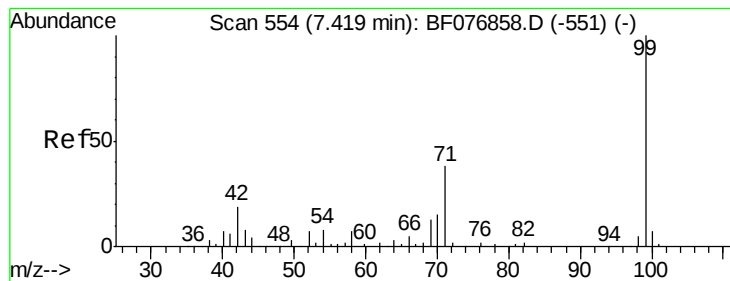


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 96.46 ng

RT: 7.08 min Scan# 542

Delta R.T. -0.01 min

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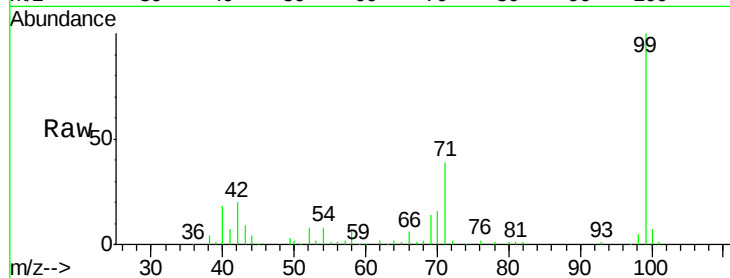
Tot Ion: 99 Resp: 180784

Ion Ratio Lower Upper

99 100

42 19.9 15.0 22.4

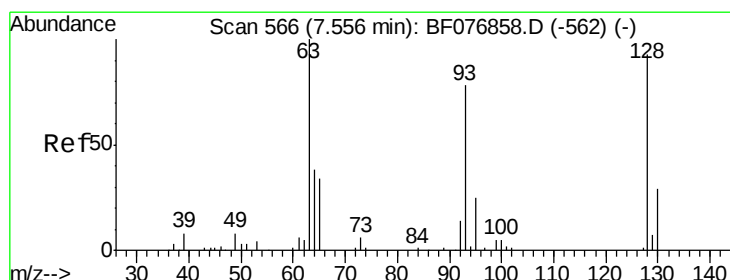
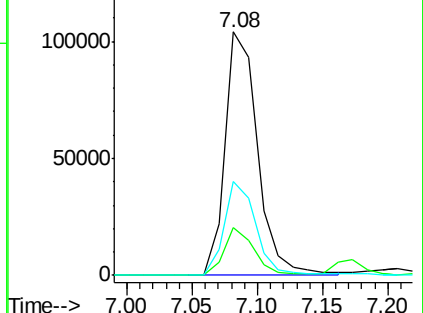
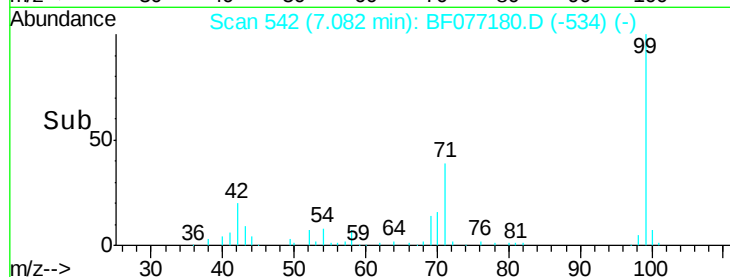
71 38.6 30.5 45.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 37.86 ng

RT: 7.21 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

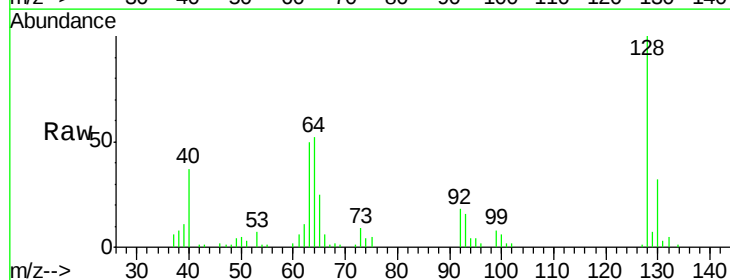
Tgt Ion: 128 Resp: 64855

Ion Ratio Lower Upper

128 100

130 31.9 11.0 51.0

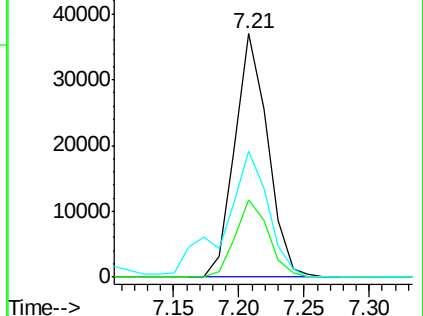
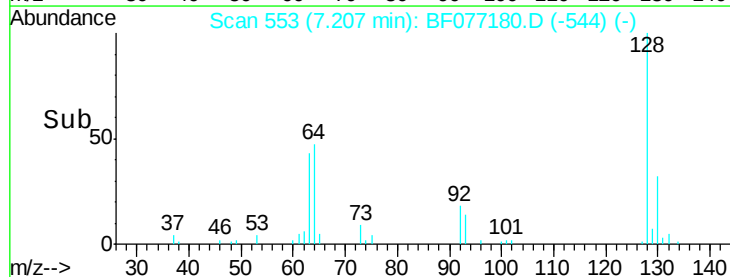
64 51.9 29.3 69.3

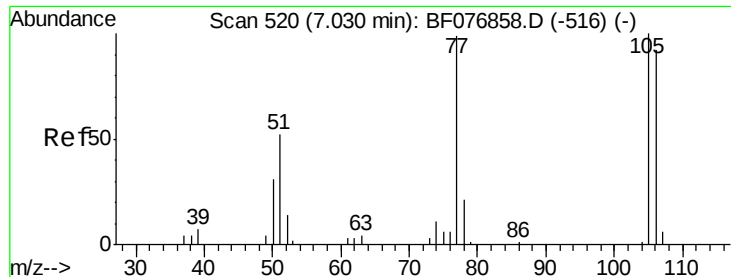


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

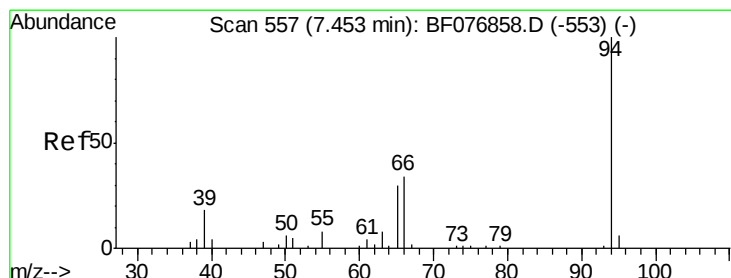
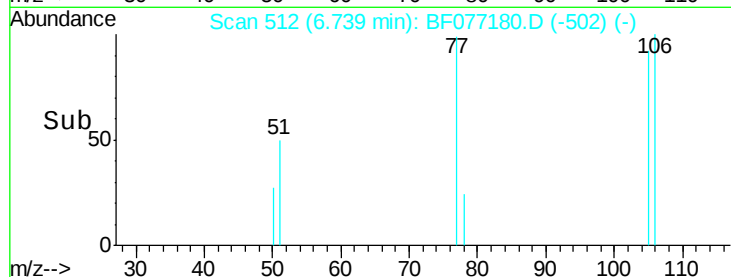
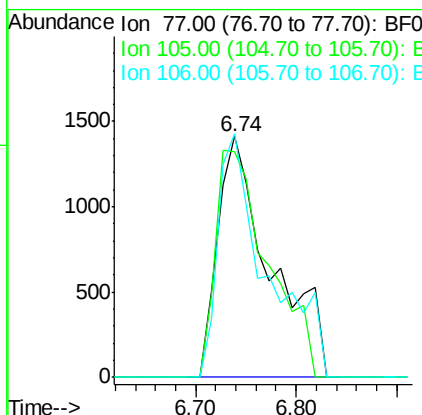
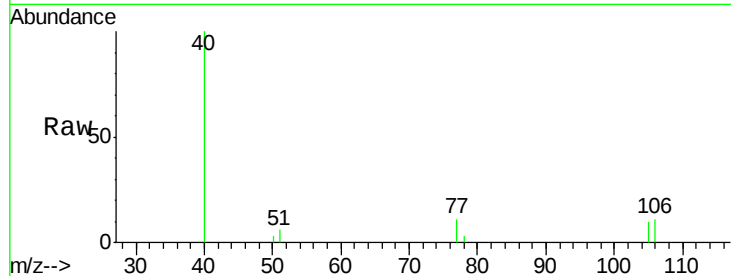




#9  
Benzaldehyde  
Concen: 3.67 ng  
RT: 6.74 min Scan# 512  
Delta R.T. 0.01 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

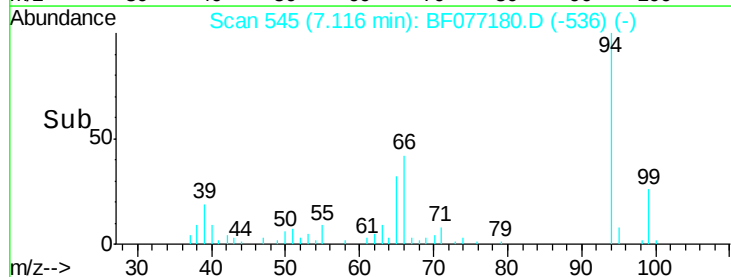
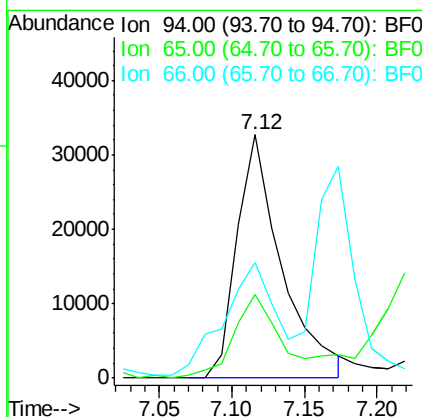
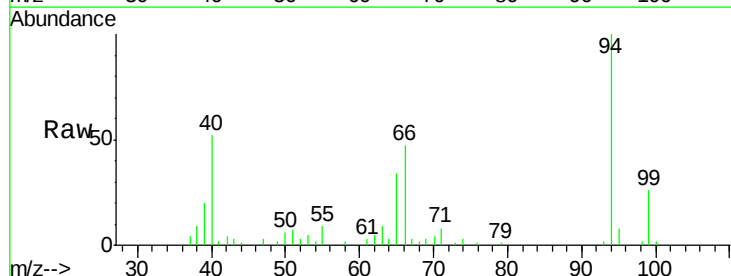
Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

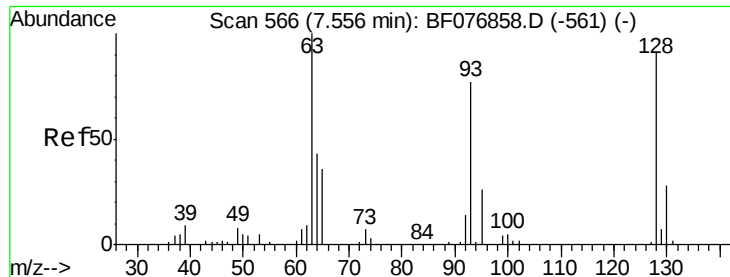
Tot Ion: 77 Resp: 5180  
Ion Ratio Lower Upper  
77 100  
105 93.5 81.4 121.4  
106 101.1 72.8 112.8



#10  
Phenol  
Concen: 35.26 ng  
RT: 7.12 min Scan# 545  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion: 94 Resp: 70178  
Ion Ratio Lower Upper  
94 100  
65 34.3 11.3 51.3  
66 47.4 19.5 59.5

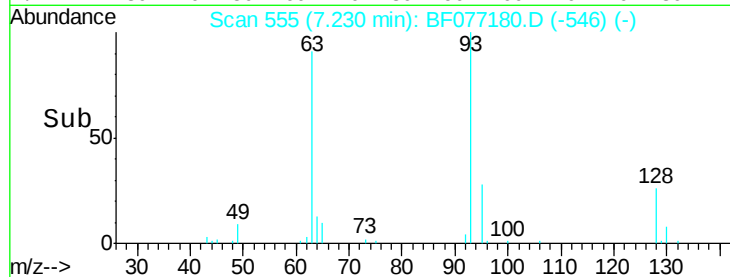
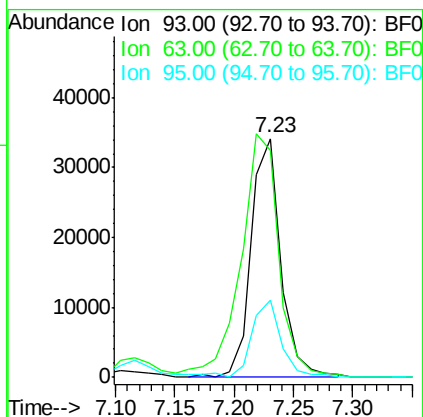
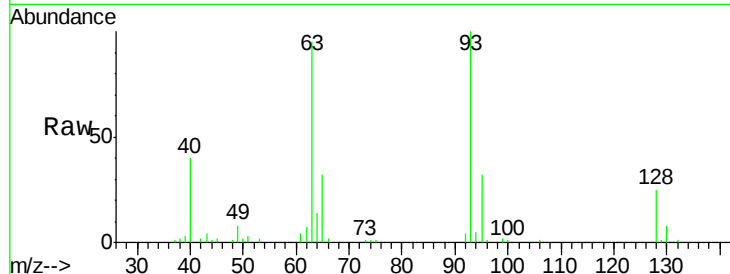




#11  
bis(2-Chloroethyl)ether  
Concen: 38.60 ng  
RT: 7.23 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

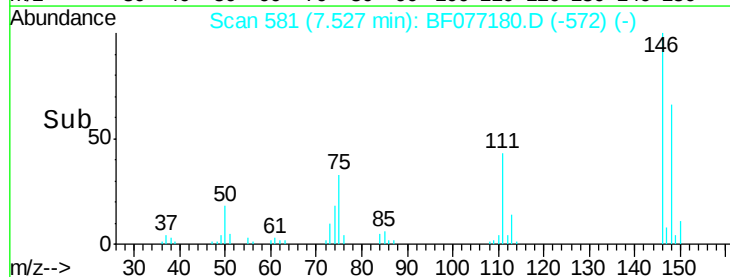
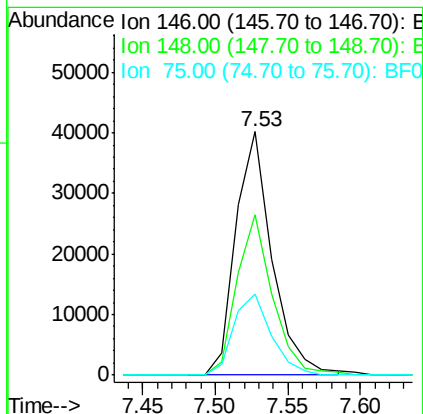
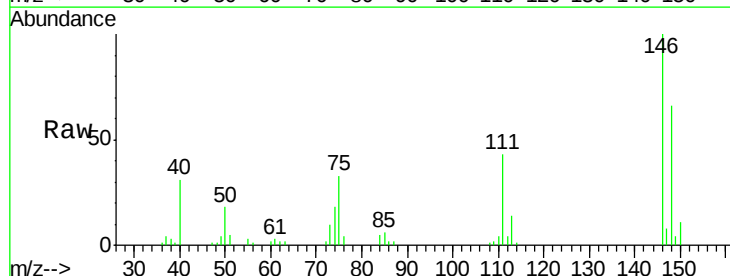
Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

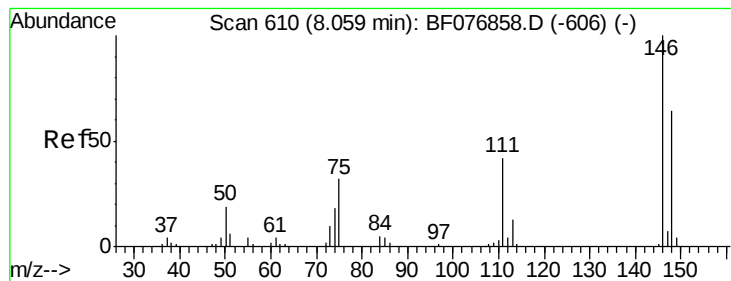
Tot Ion: 93 Resp: 60111  
Ion Ratio Lower Upper  
93 100  
63 95.1 111.3 151.3#  
95 32.2 13.8 53.8



#12  
1,3-Dichlorobenzene  
Concen: 35.90 ng  
RT: 7.53 min Scan# 581  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion: 146 Resp: 69957  
Ion Ratio Lower Upper  
146 100  
148 66.1 48.1 72.1  
75 33.2 26.8 40.2

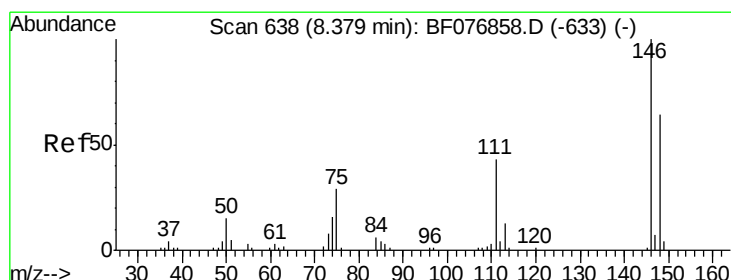
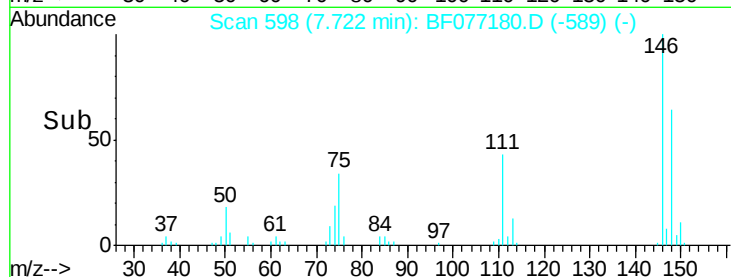
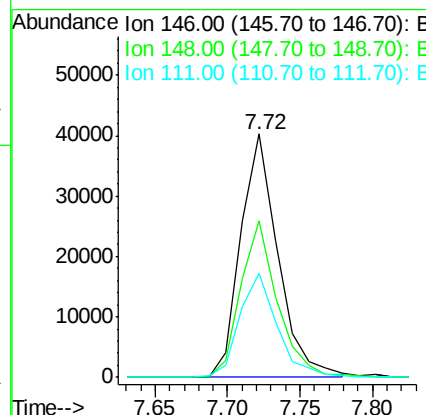
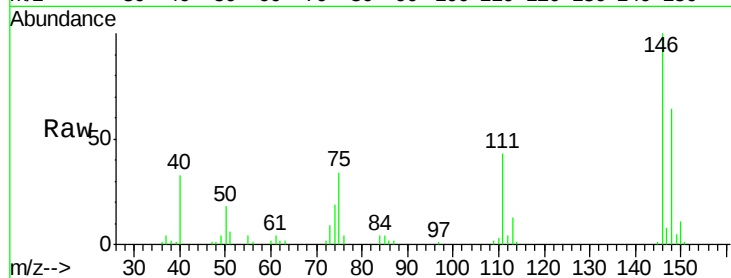




#13  
 1,4-Dichlorobenzene  
 Concen: 34.80 ng  
 RT: 7.72 min Scan# 598  
 Delta R.T. 0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

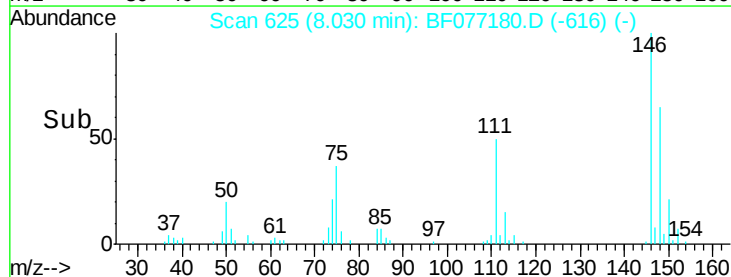
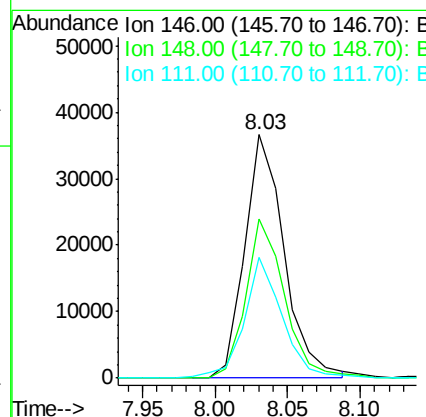
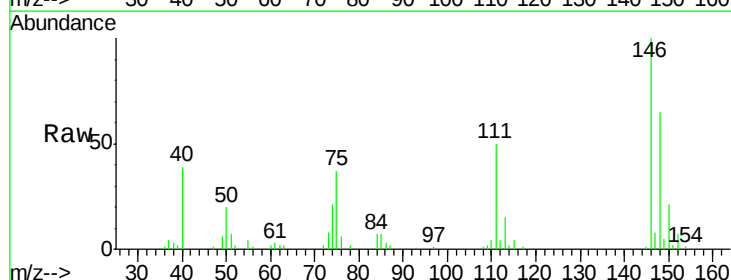
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

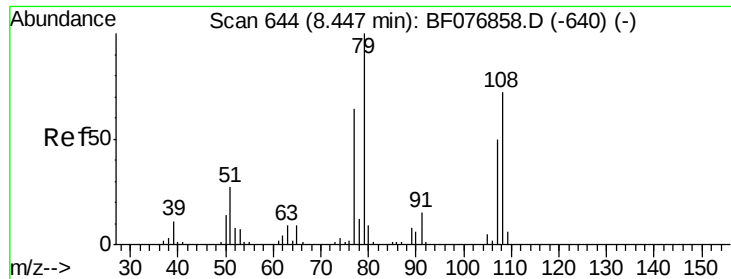
Tot Ion:146 Resp: 71904  
 Ion Ratio Lower Upper  
 146 100  
 148 64.2 51.5 77.3  
 111 42.6 33.9 50.9



#14  
 1,2-Dichlorobenzene  
 Concen: 36.36 ng  
 RT: 8.03 min Scan# 625  
 Delta R.T. 0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:146 Resp: 69237  
 Ion Ratio Lower Upper  
 146 100  
 148 65.2 51.3 76.9  
 111 49.7 34.5 51.7





#15

Benzyl Alcohol

Concen: 35.42 ng

RT: 8.13 min Scan# 634

Delta R.T. 0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

Instrument :

BNA\_F

ClientSampleId :

PB81600BSD

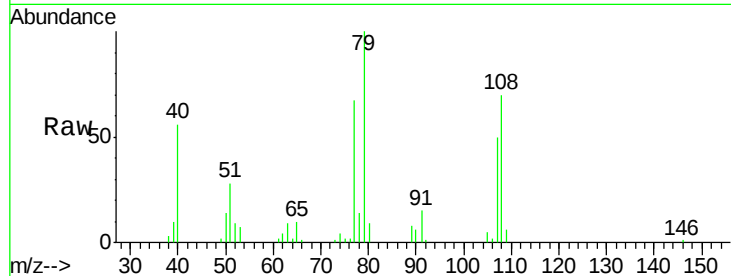
Tot Ion: 79 Resp: 53717

Ion Ratio Lower Upper

79 100

108 69.7 57.2 85.8

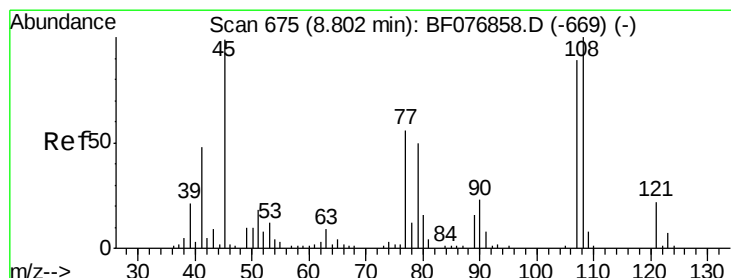
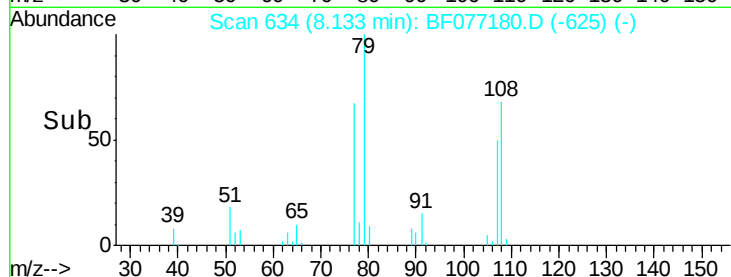
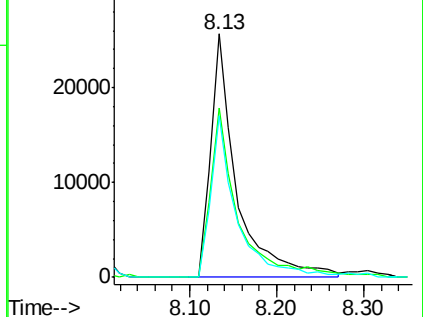
77 66.6 51.2 76.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.64 ng

RT: 8.48 min Scan# 664

Delta R.T. -0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

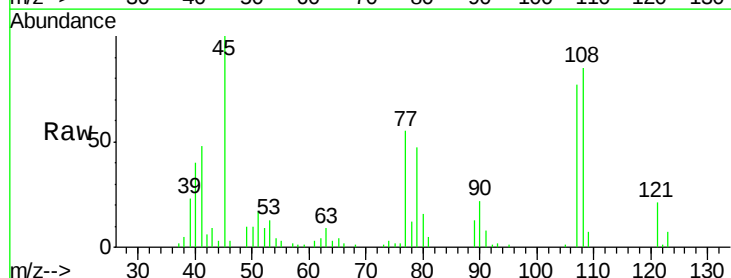
Tgt Ion: 45 Resp: 78797

Ion Ratio Lower Upper

45 100

77 55.1 36.1 76.1

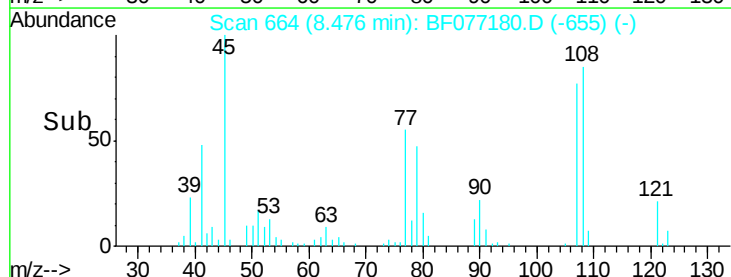
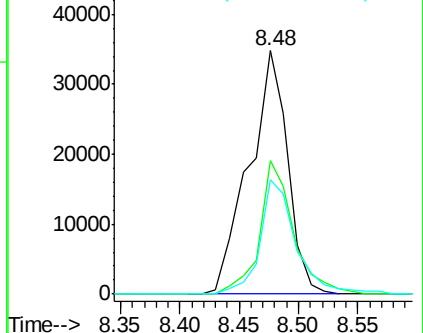
79 46.7 30.5 70.5



Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

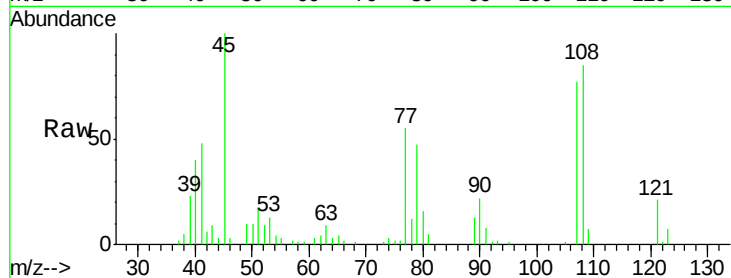




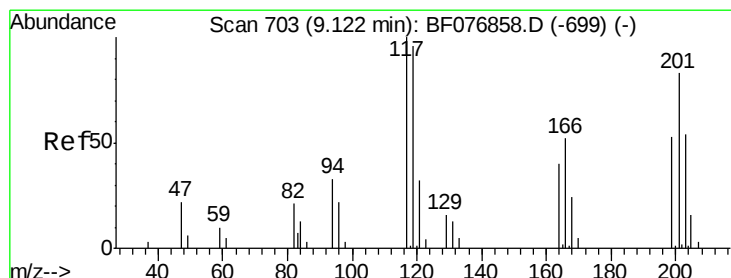
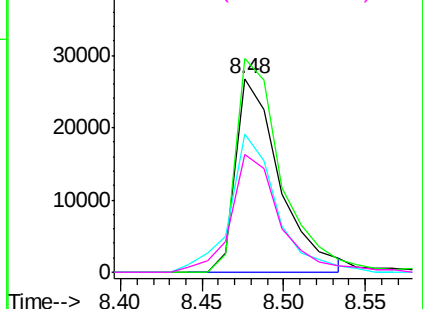
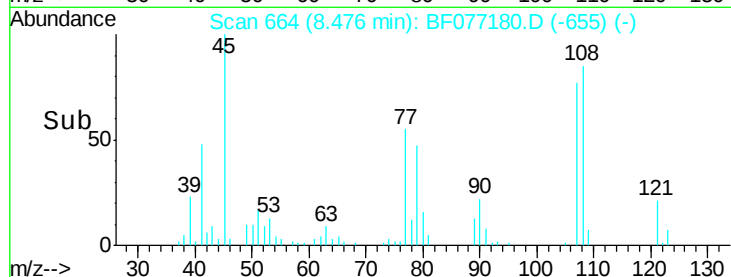
#17  
2-Methylphenol  
Concen: 35.89 ng  
RT: 8.48 min Scan# 664  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

Tot Ion:107 Resp: 50235  
Ion Ratio Lower Upper  
107 100  
108 110.2 89.7 134.5  
77 71.5 50.1 75.1  
79 60.7 45.0 67.6

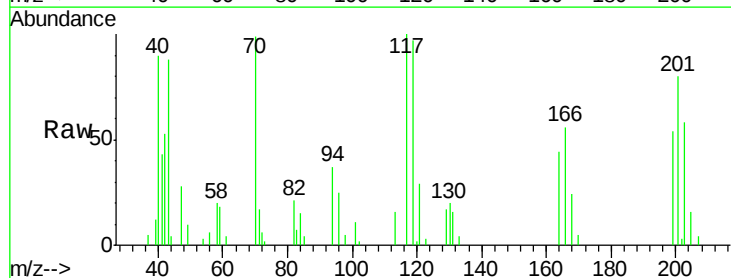


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

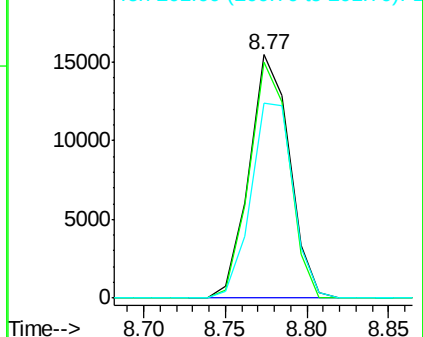
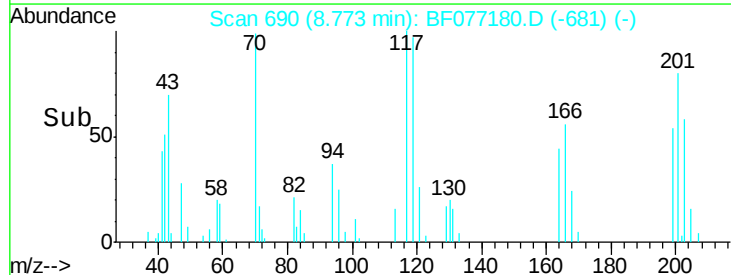


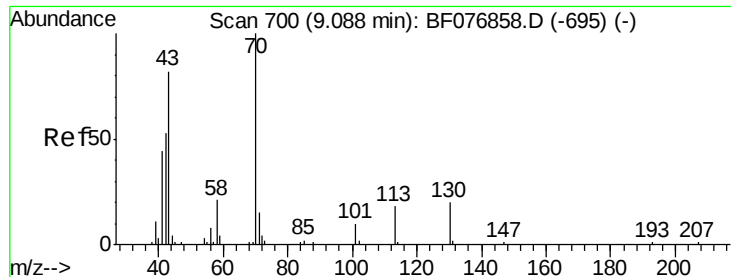
#18  
Hexachloroethane  
Concen: 37.08 ng  
RT: 8.77 min Scan# 690  
Delta R.T. 0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion:117 Resp: 26654  
Ion Ratio Lower Upper  
117 100  
119 96.8 77.1 115.7  
201 80.1 66.8 100.2



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

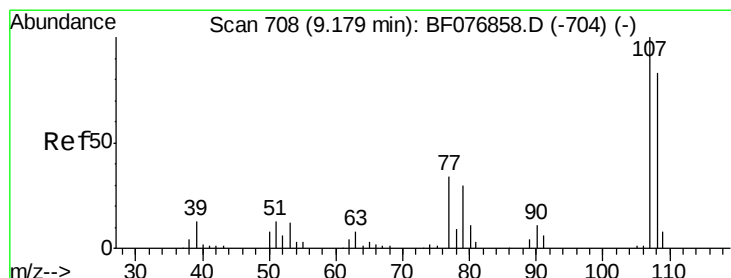
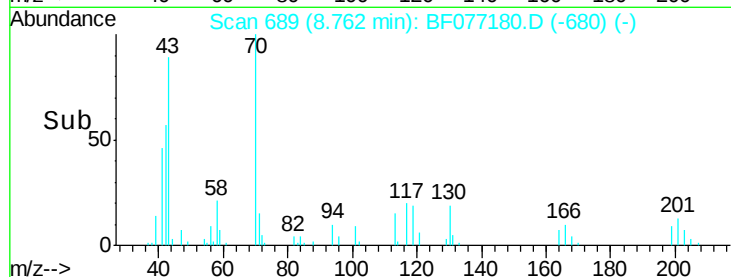
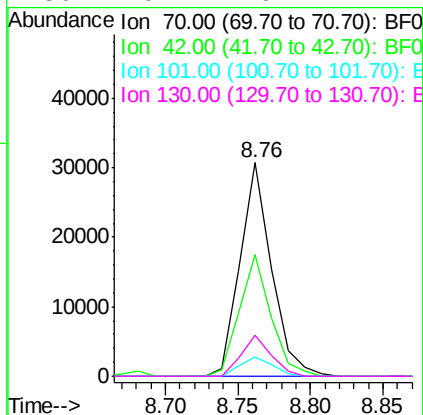
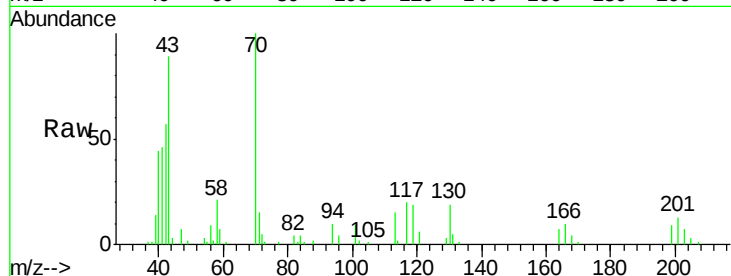




#19  
n-Nitroso-di-n-propylamine  
Concen: 35.28 ng  
RT: 8.76 min Scan# 689  
Delta R.T. 0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

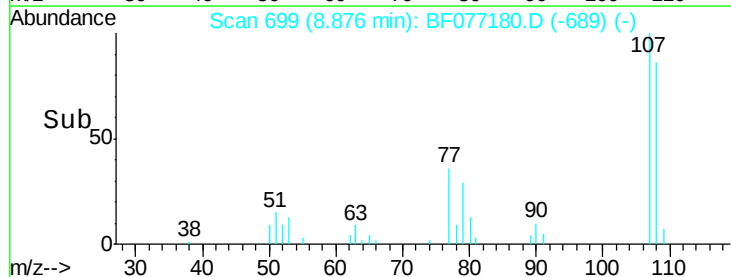
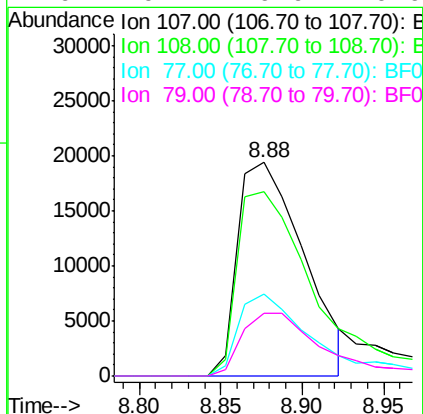
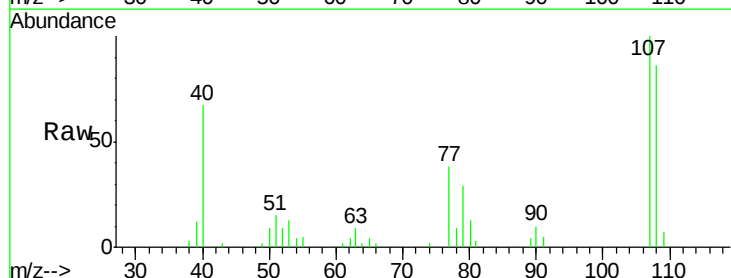
Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 46283 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 57.1  | 42.1  | 63.1  |
| 101      | 9.3   | 7.8   | 11.8  |
| 130      | 19.1  | 16.2  | 24.4  |



#20  
3+4-Methylphenols  
Concen: 29.44 ng  
RT: 8.88 min Scan# 699  
Delta R.T. 0.01 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 54567 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 86.4  | 63.5  | 103.5 |
| 77       | 38.1  | 14.0  | 54.0  |
| 79       | 29.2  | 9.9   | 49.9  |

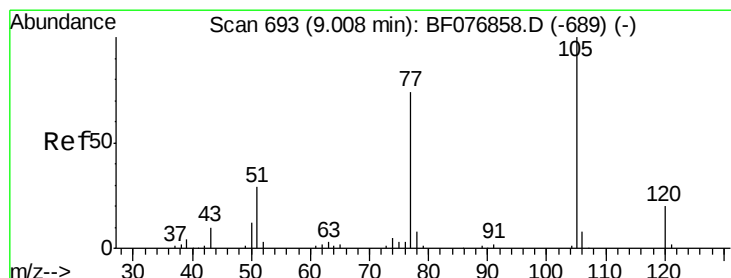
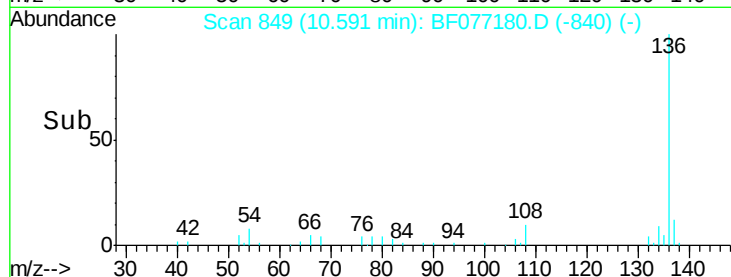
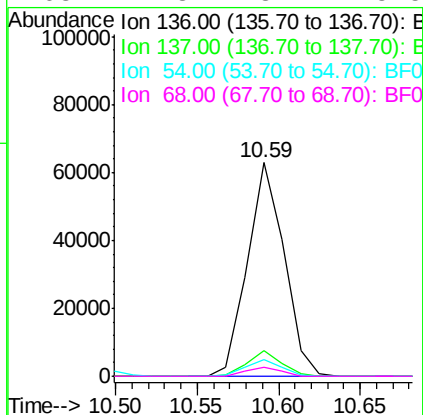
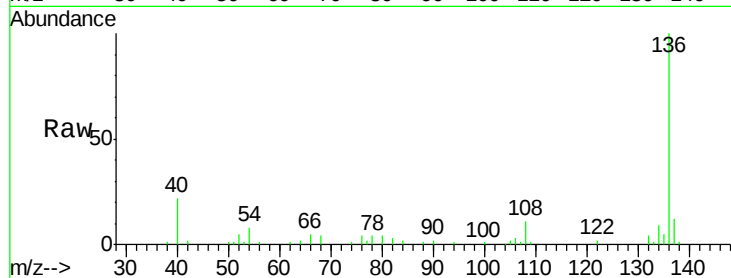




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.59 min Scan# 849  
Delta R.T. 0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

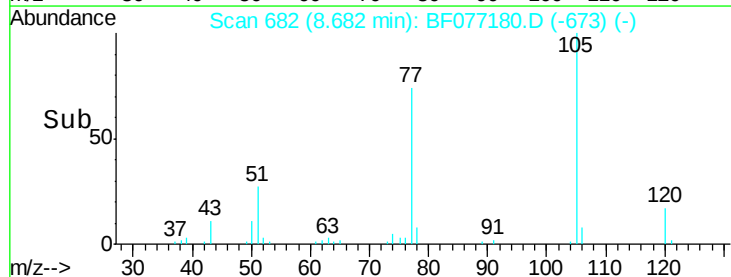
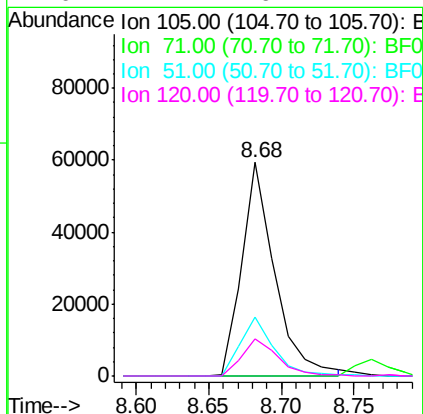
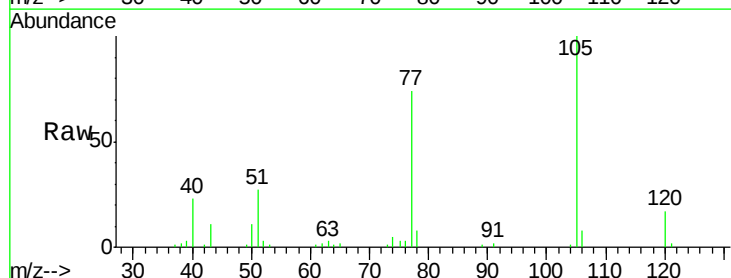
Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

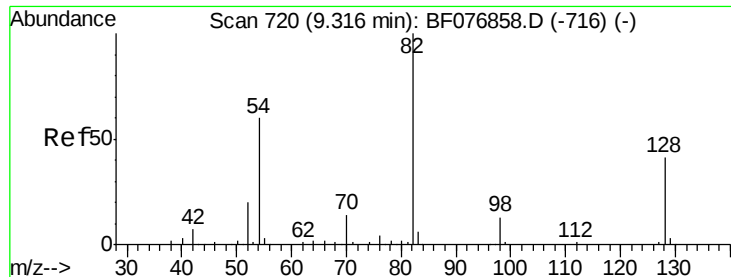
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 97983    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.9  | 8.1 12.1 |
| 54          | 8.1   | 7.0 10.4 |
| 68          | 4.3   | 3.7 5.5  |



#22  
Acetophenone  
Concen: 39.09 ng  
RT: 8.68 min Scan# 682  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 93824     |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 0.0   | 0.0 0.0   |
| 51          | 27.4  | 23.3 34.9 |
| 120         | 17.4  | 16.1 24.1 |

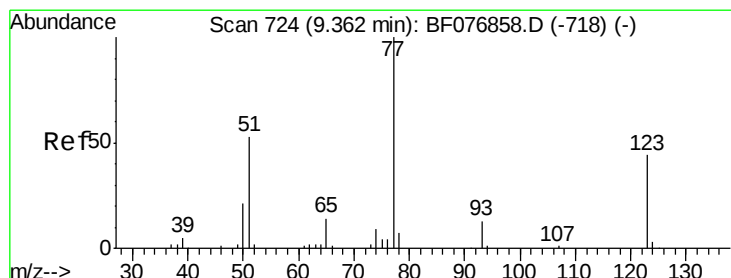
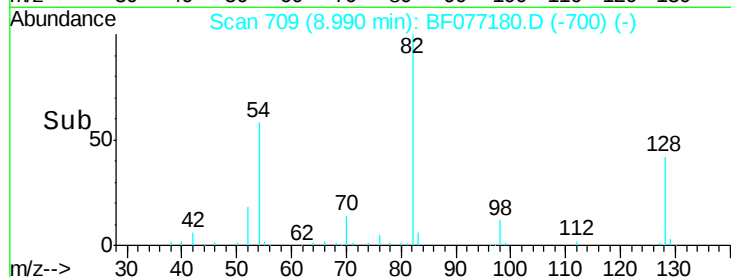
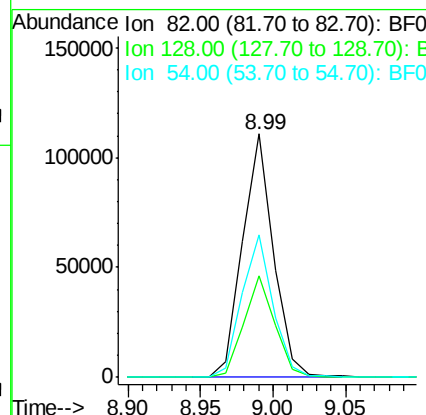
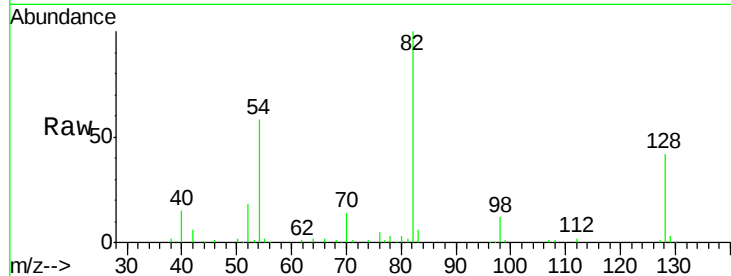




#23  
 Nitrobenzene-d5  
 Concen: 92.87 ng  
 RT: 8.99 min Scan# 709  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

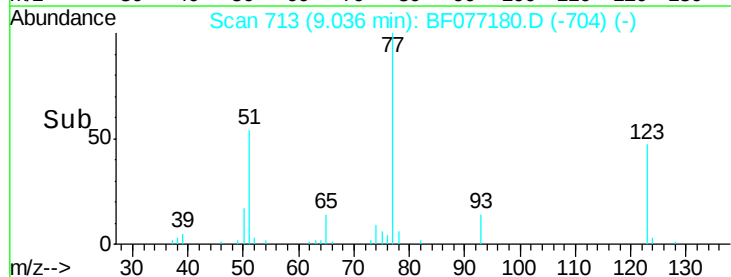
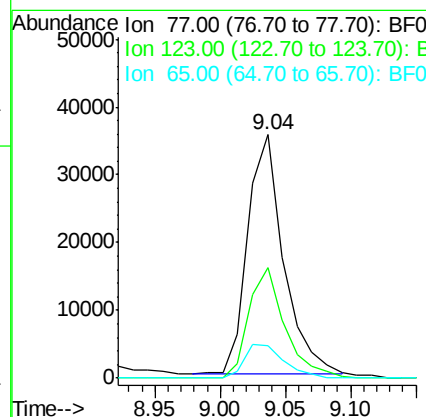
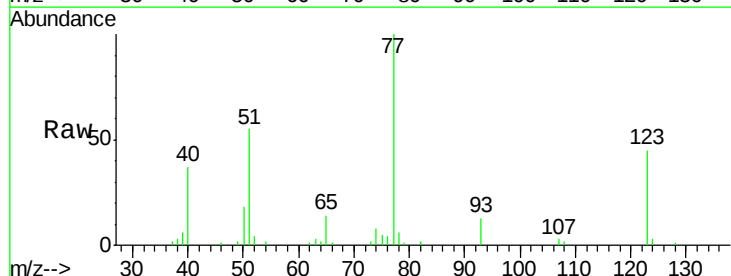
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

Tot Ion: 82 Resp: 164258  
 Ion Ratio Lower Upper  
 82 100  
 128 41.6 33.1 49.7  
 54 58.5 48.3 72.5



#24  
 Nitrobenzene  
 Concen: 37.70 ng  
 RT: 9.04 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion: 77 Resp: 67922  
 Ion Ratio Lower Upper  
 77 100  
 123 45.2 35.2 52.8  
 65 13.5 11.4 17.2

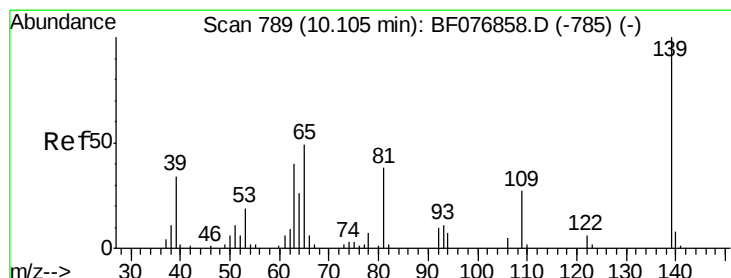
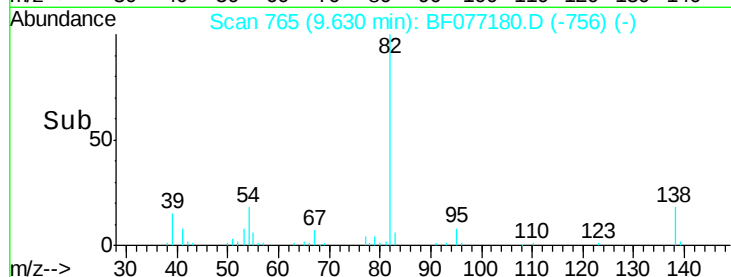
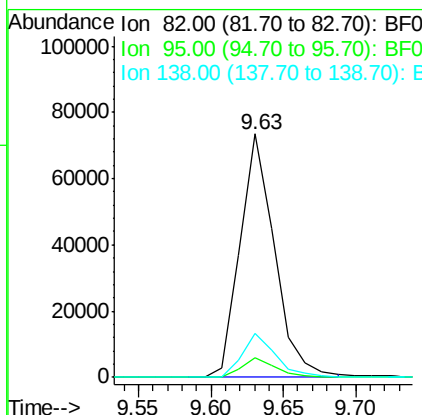
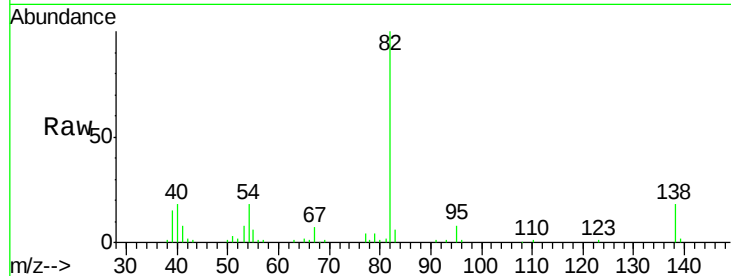




#25  
Isophorone  
Concen: 37.71 ng  
RT: 9.63 min Scan# 765  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

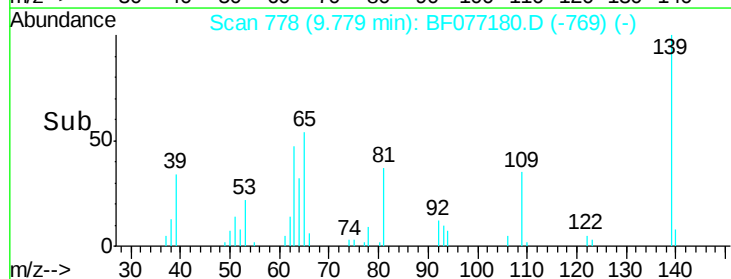
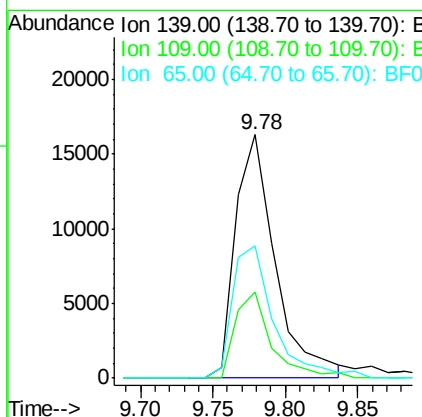
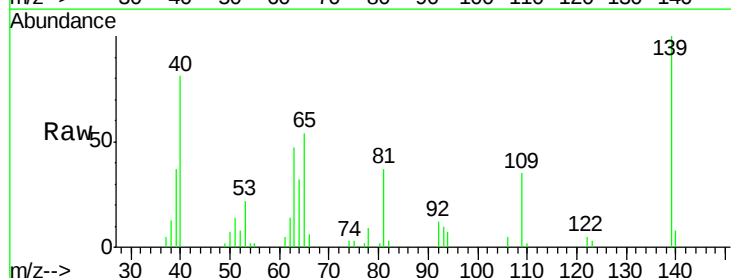
Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 7.9   | 6.6   | 10.0  |
| 138     | 17.8  | 12.6  | 18.8  |



#26  
2-Nitrophenol  
Concen: 34.22 ng  
RT: 9.78 min Scan# 778  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 35.2  | 21.3  | 31.9# |
| 65      | 54.3  | 39.4  | 59.0  |





#27

2,4-Dimethylphenol

Concen: 39.42 ng

RT: 10.05 min Scan# 802

Delta R.T. -0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

Instrument :

BNA\_F

ClientSampleId :

PB81600BSD

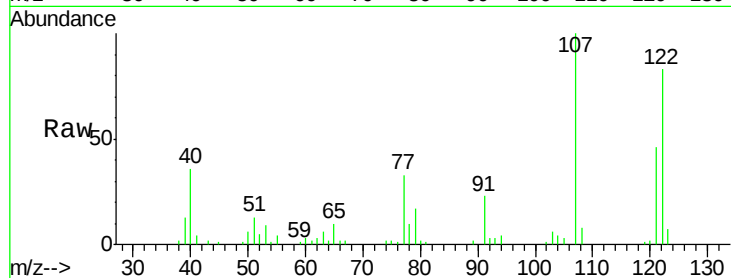
Tot Ion:122 Resp: 54923

Ion Ratio Lower Upper

122 100

107 120.4 95.2 142.8

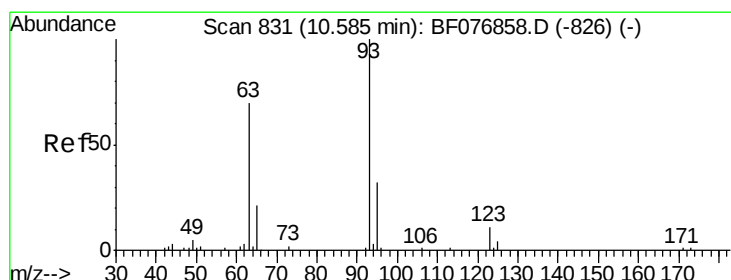
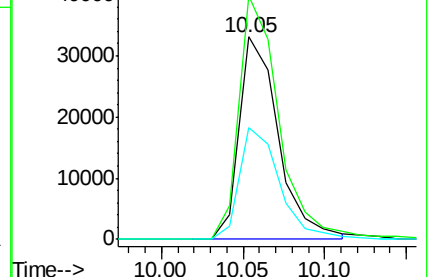
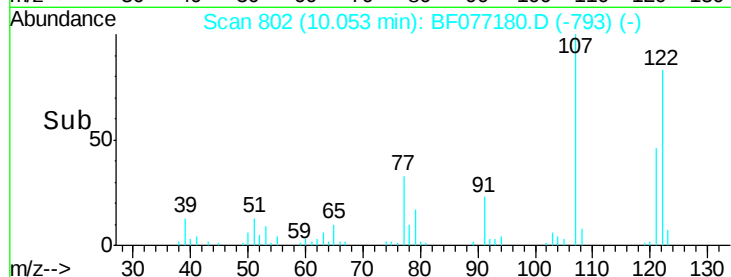
121 55.0 42.9 64.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 40.77 ng

RT: 10.26 min Scan# 820

Delta R.T. -0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

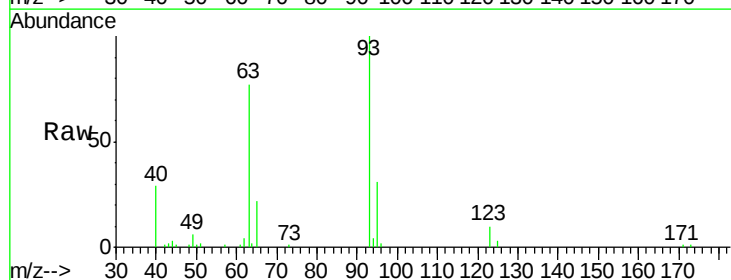
Tgt Ion: 93 Resp: 74638

Ion Ratio Lower Upper

93 100

95 31.4 25.6 38.4

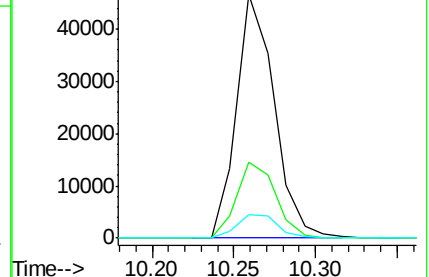
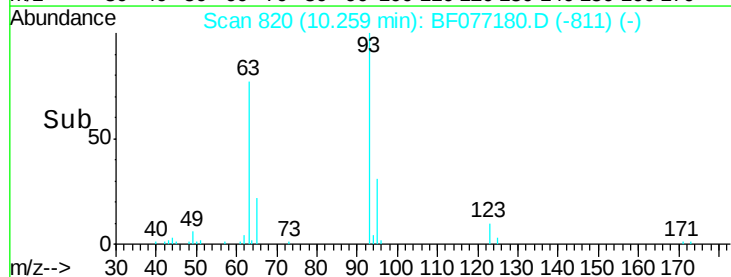
123 9.7 8.9 13.3

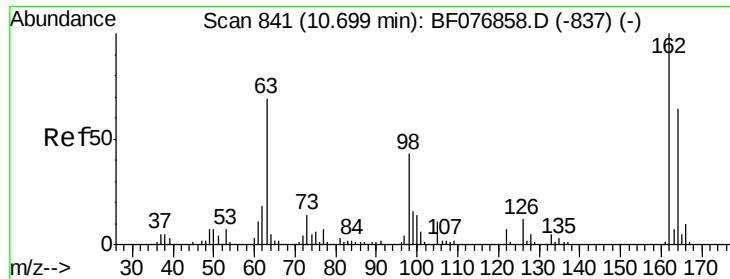


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

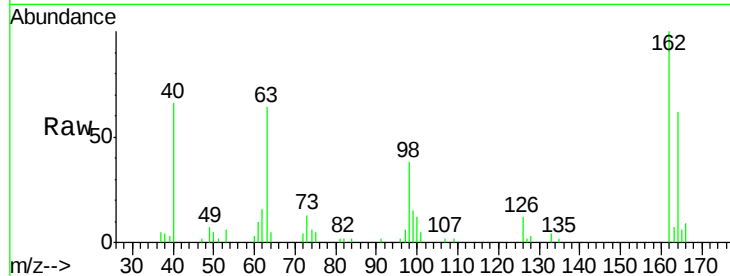




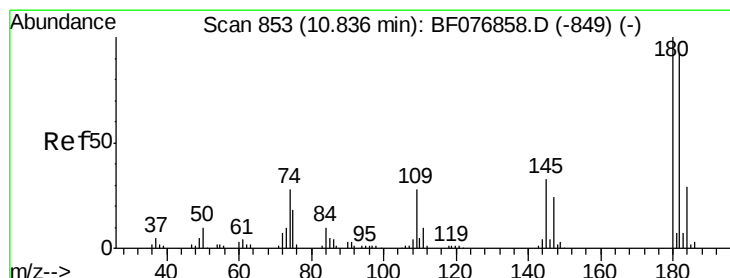
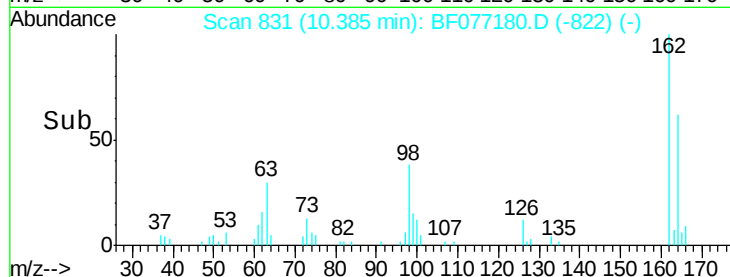
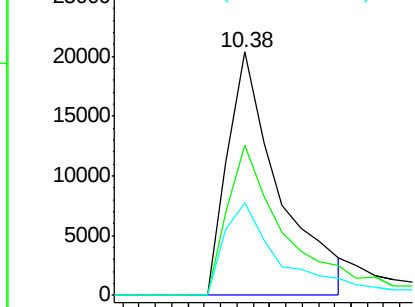
#29  
 2,4-Dichlorophenol  
 Concen: 34.29 ng  
 RT: 10.38 min Scan# 831  
 Delta R.T. 0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

Tot Ion:162 Resp: 44526  
 Ion Ratio Lower Upper  
 162 100  
 164 61.5 43.8 83.8  
 98 38.2 22.5 62.5

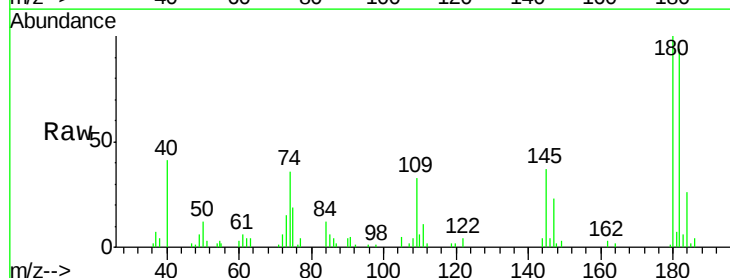


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

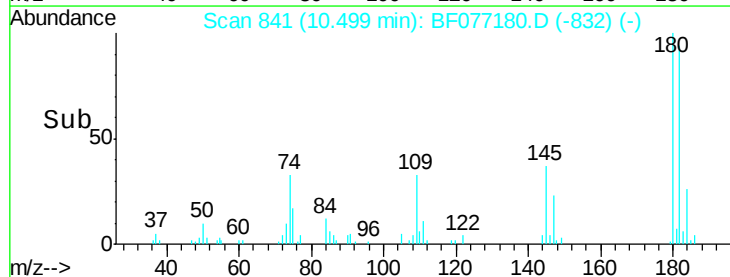
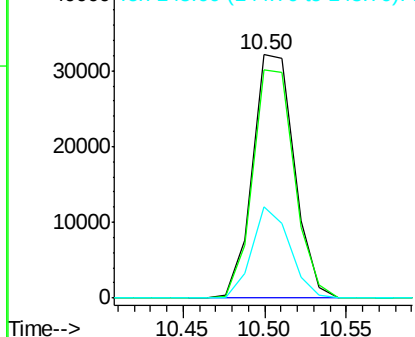


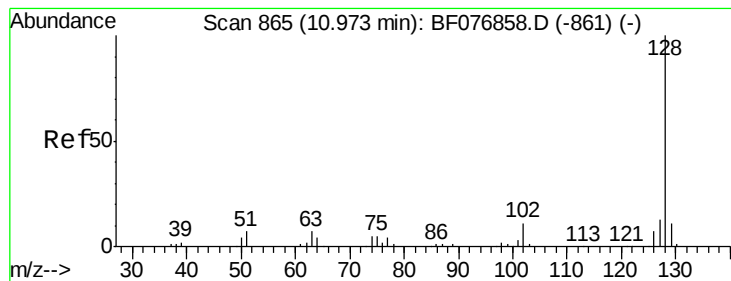
#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.70 ng  
 RT: 10.50 min Scan# 841  
 Delta R.T. 0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:180 Resp: 57262  
 Ion Ratio Lower Upper  
 180 100  
 182 93.5 73.6 110.4  
 145 37.3 26.6 39.8



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





#31

Naphthalene

Concen: 37.65 ng

RT: 10.64 min Scan# 853

Delta R.T. -0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

Instrument :

BNA\_F

ClientSampleId :

PB81600BSD

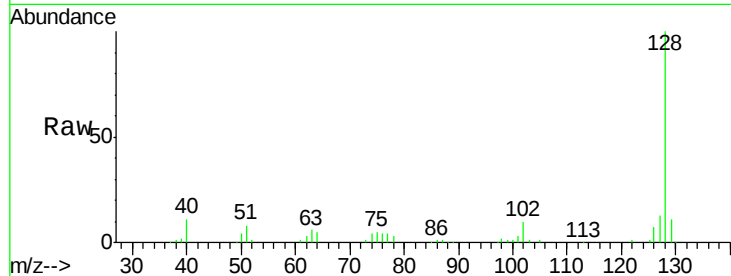
Tot Ion:128 Resp: 189914

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

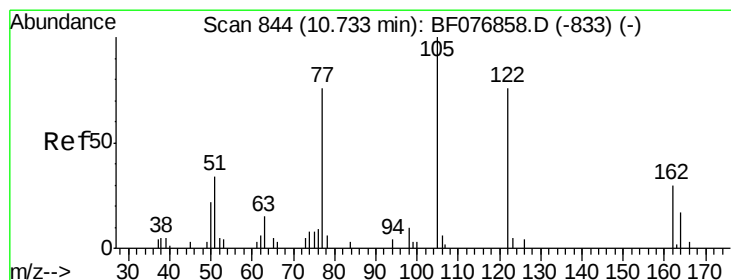
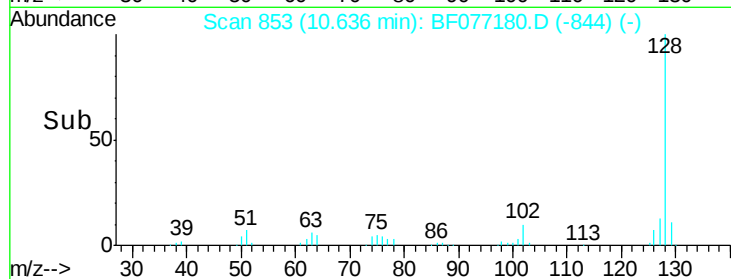
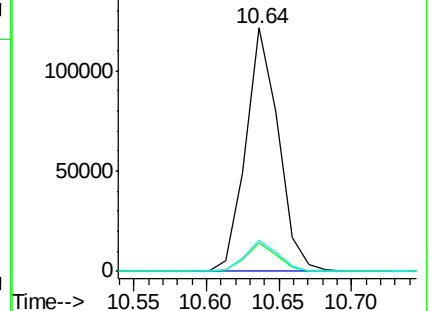
127 13.0 10.2 15.2



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: 10.11 ng

RT: 10.44 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

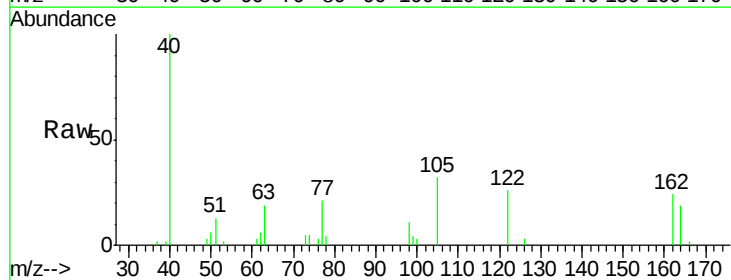
Tgt Ion:122 Resp: 7804

Ion Ratio Lower Upper

122 100

105 124.4 111.3 151.3

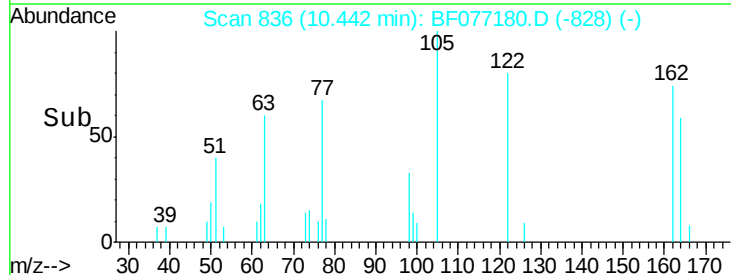
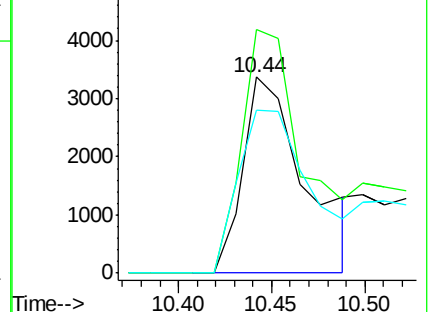
77 83.2 79.2 119.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

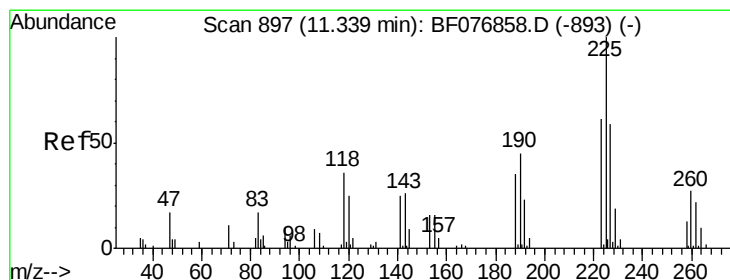
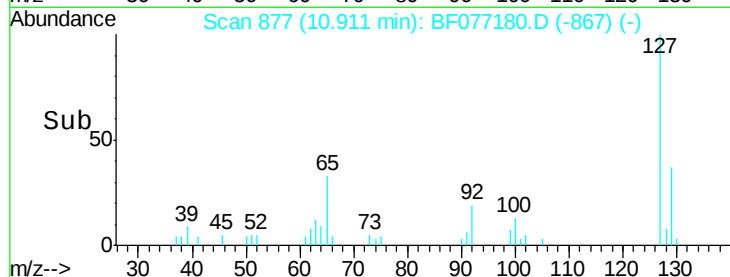
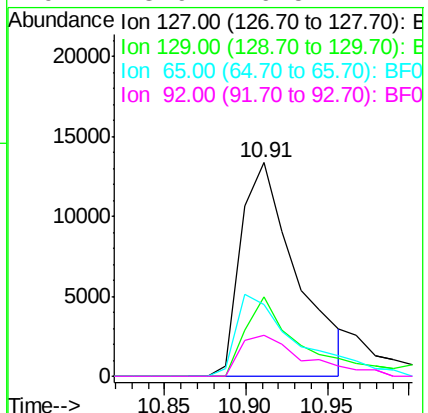
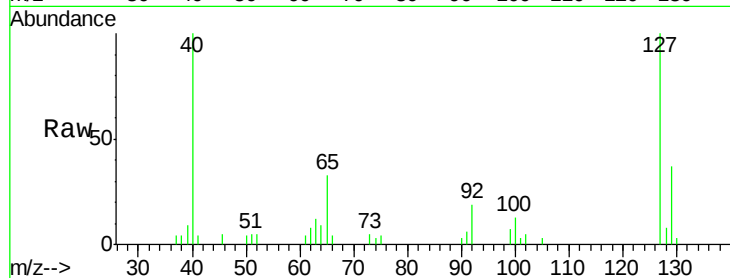




#33  
4-Chloroaniline  
Concen: 15.57 ng  
RT: 10.91 min Scan# 877  
Delta R.T. 0.01 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

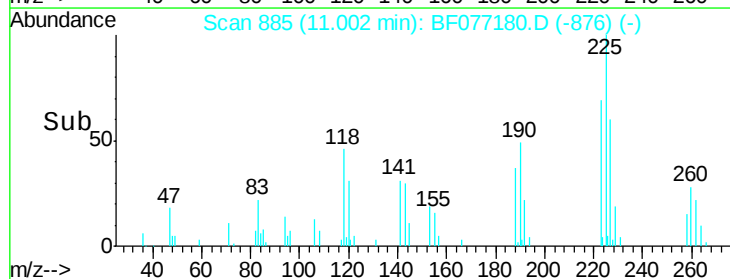
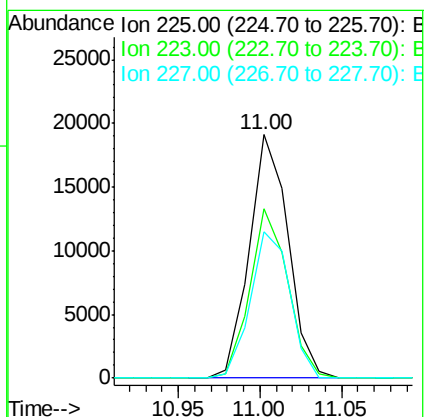
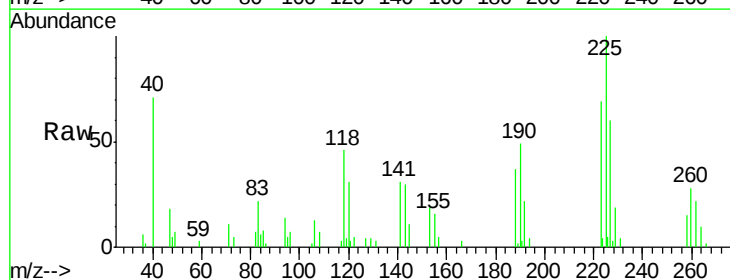
Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

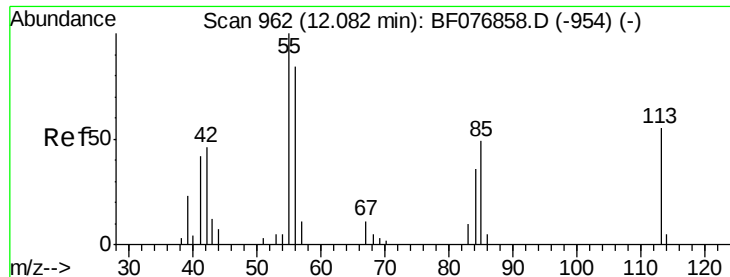
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 31741 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 36.9  | 25.3  | 37.9  |
| 65       | 33.5  | 27.8  | 41.6  |
| 92       | 18.9  | 16.5  | 24.7  |



#34  
Hexachlorobutadiene  
Concen: 36.94 ng  
RT: 11.00 min Scan# 885  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 31612 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 69.4  | 49.1  | 73.7  |
| 227      | 60.1  | 47.5  | 71.3  |





#35

Caprolactam

Concen: 36.00 ng

RT: 11.73 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

Instrument :

BNA\_F

ClientSampleId :

PB81600BSD

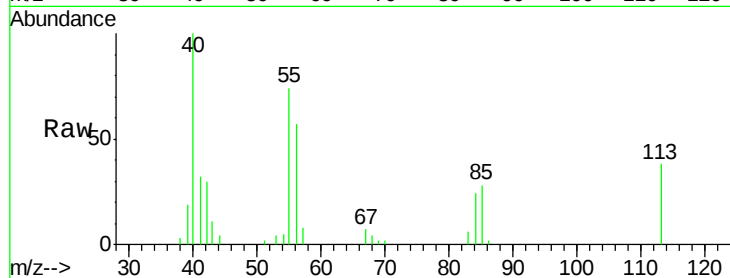
Tot Ion:113 Resp: 13763

Ion Ratio Lower Upper

113 100

55 194.1 162.1 202.1

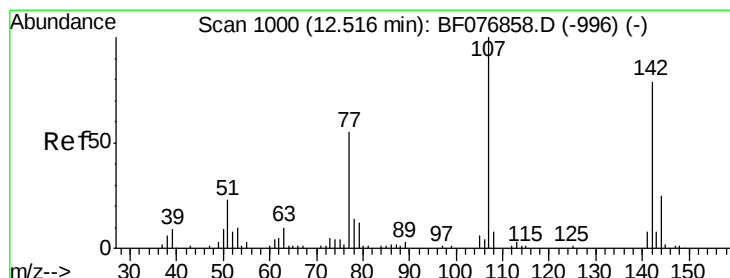
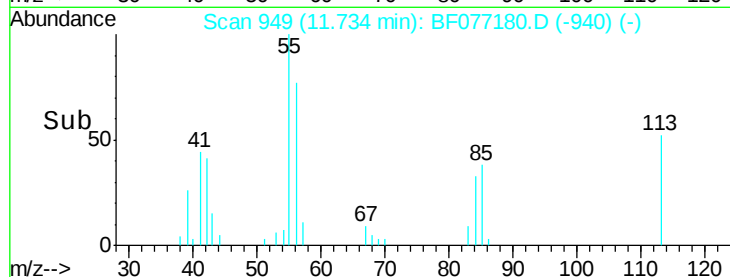
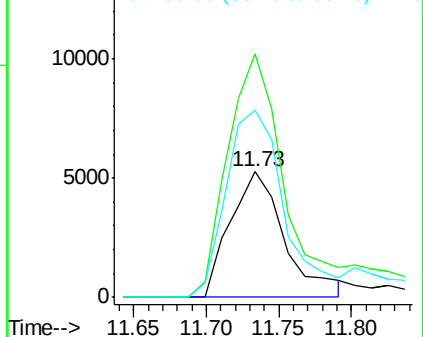
56 149.4 133.7 173.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 36.44 ng

RT: 12.20 min Scan# 990

Delta R.T. -0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

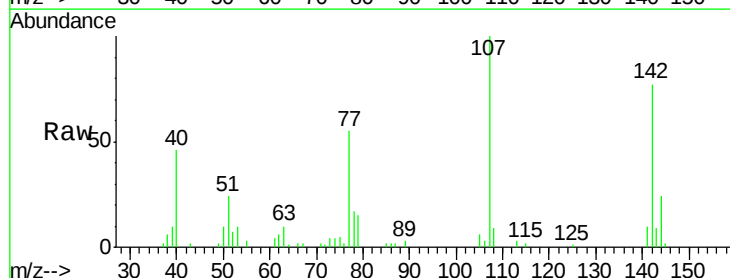
Tgt Ion:107 Resp: 54186

Ion Ratio Lower Upper

107 100

144 23.8 20.0 30.0

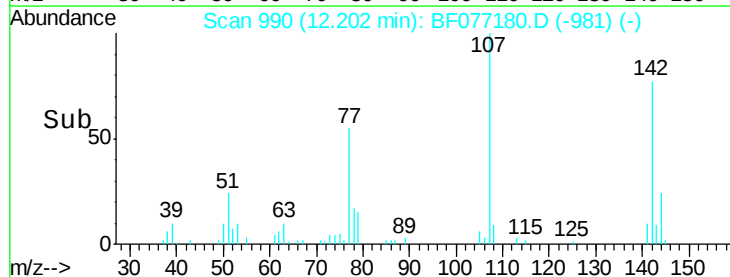
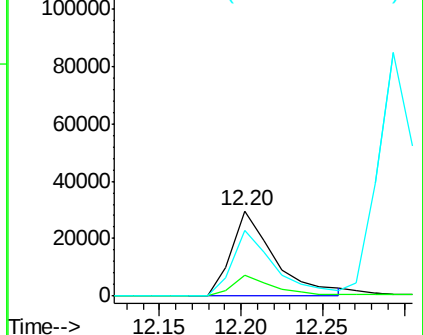
142 76.8 63.5 95.3

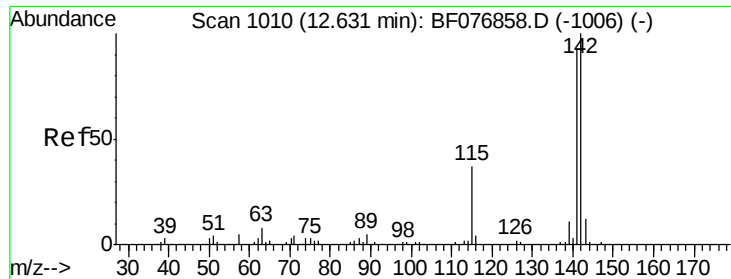


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

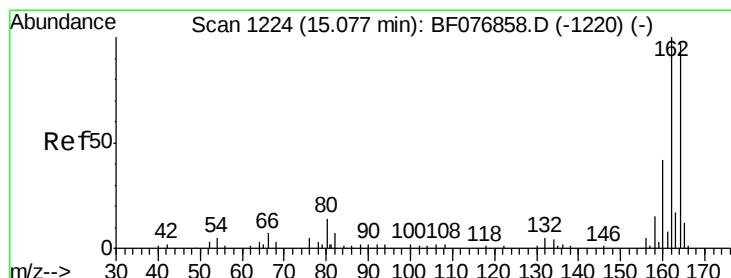
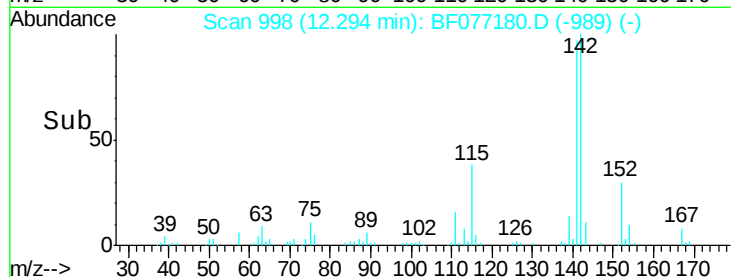
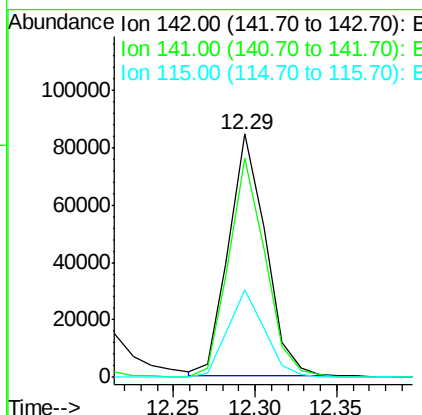
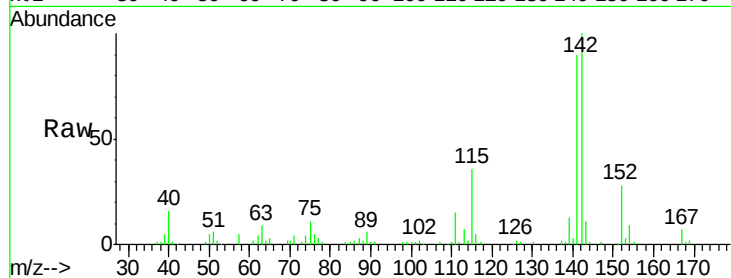




#37  
2-Methylnaphthalene  
Concen: 38.48 ng  
RT: 12.29 min Scan# 998  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

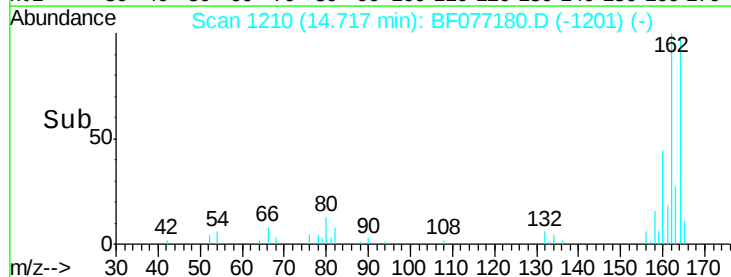
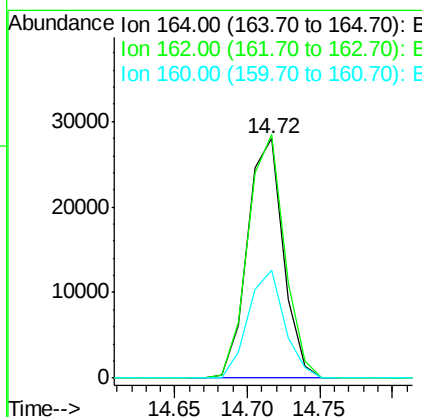
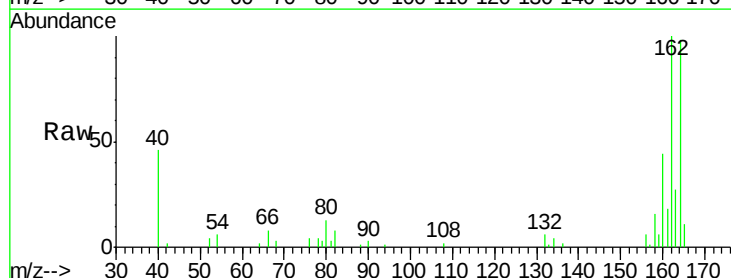
Instrument :  
BNA\_F  
ClientSampled :  
PB81600BSD

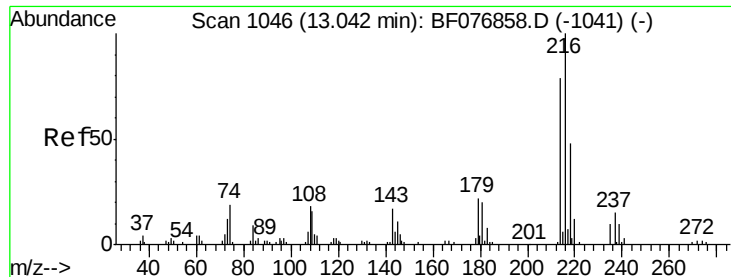
Tot Ion:142 Resp: 132558  
Ion Ratio Lower Upper  
142 100  
141 90.2 74.5 111.7  
115 36.0 29.7 44.5



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.72 min Scan# 1210  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion:164 Resp: 47793  
Ion Ratio Lower Upper  
164 100  
162 101.8 82.4 123.6  
160 45.2 34.8 52.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.18 ng

RT: 12.69 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

Instrument :

BNA\_F

ClientSampleId :

PB81600BSD

Tot Ion:216 Resp: 49835

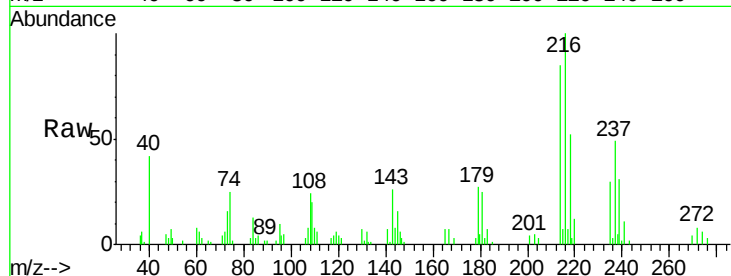
Ion Ratio Lower Upper

216 100

214 81.9 64.9 97.3

179 23.9 18.6 28.0

108 25.2 18.1 27.1

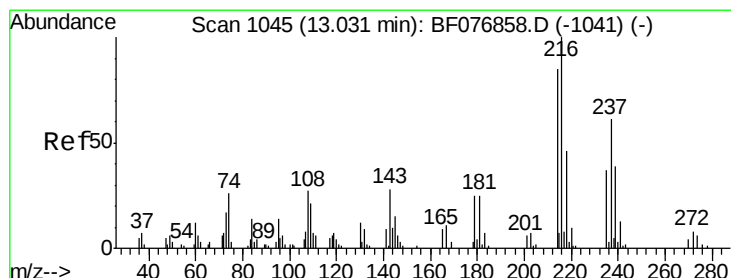
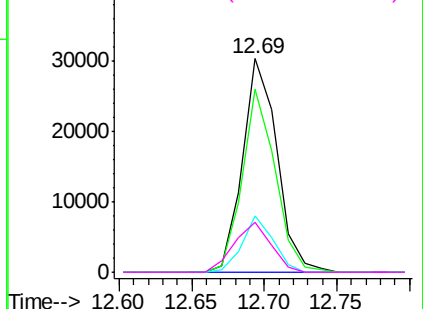
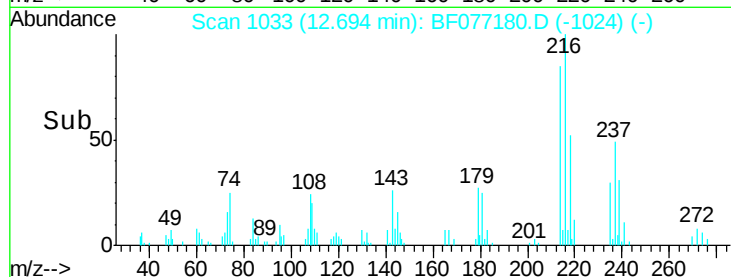


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 80.66 ng

RT: 12.68 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

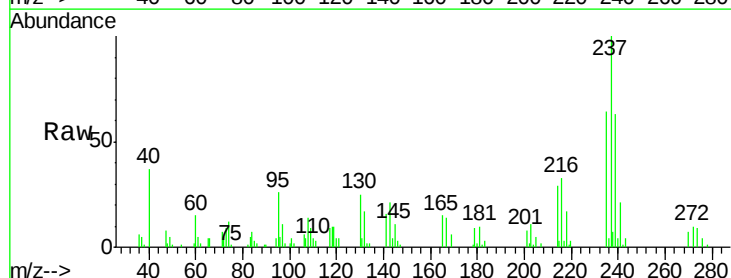
Tgt Ion:237 Resp: 51335

Ion Ratio Lower Upper

237 100

235 63.6 40.4 80.4

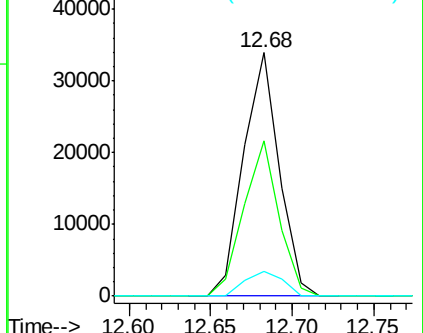
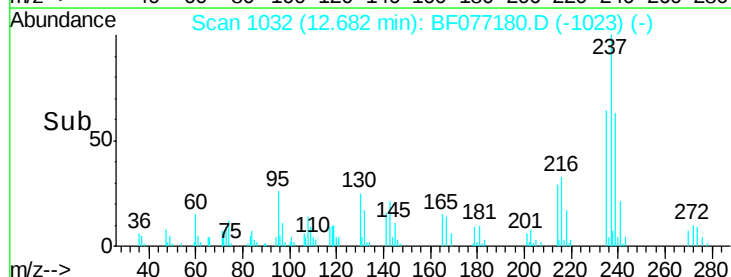
272 10.3 0.0 33.2



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

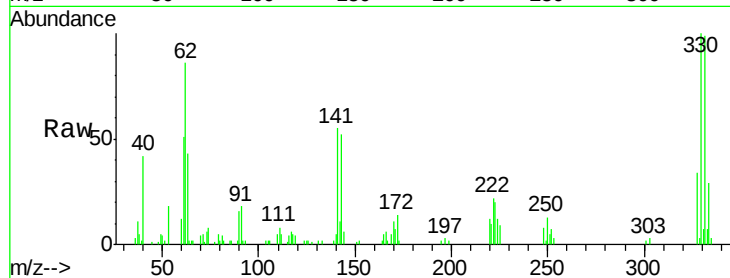




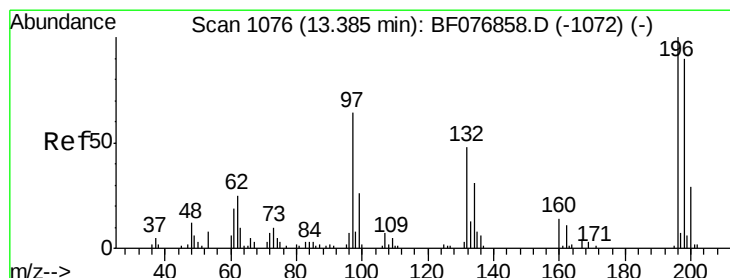
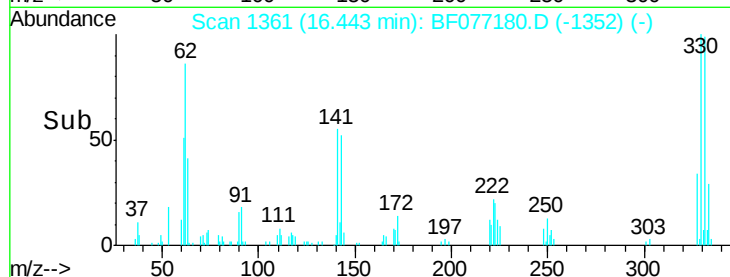
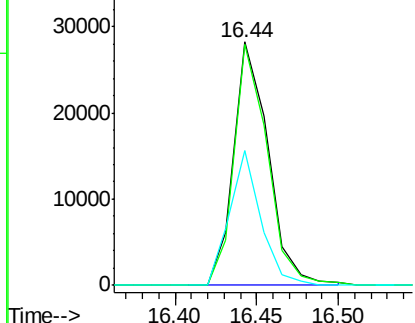
#41  
 2,4,6-Tribromophenol  
 Concen: 107.08 ng  
 RT: 16.44 min Scan# 1361  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

Tot Ion:330 Resp: 41543  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 77.8 116.6  
 141 49.4 38.5 57.7

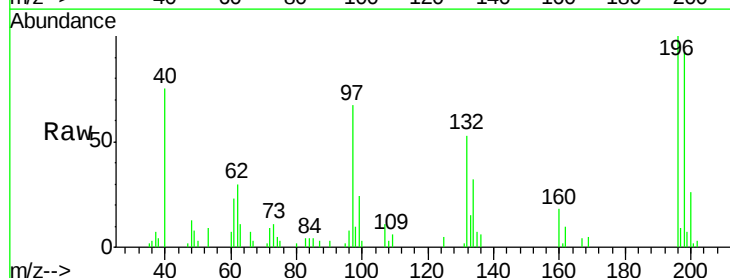


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

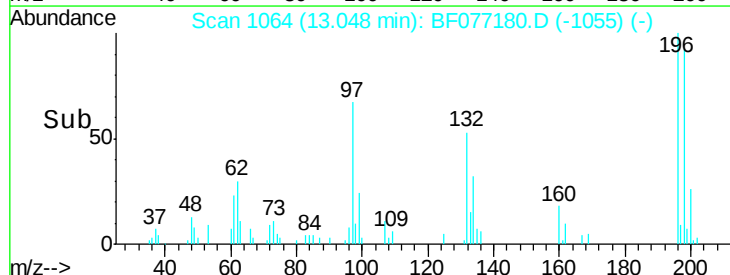
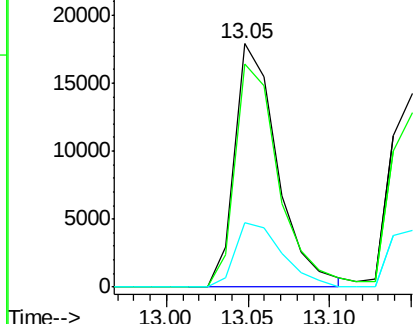


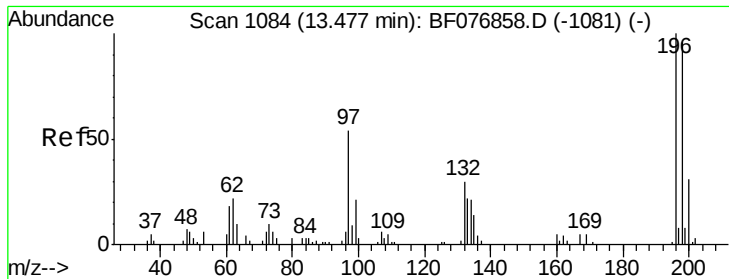
#42  
 2,4,6-Trichlorophenol  
 Concen: 37.73 ng  
 RT: 13.05 min Scan# 1064  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:196 Resp: 32483  
 Ion Ratio Lower Upper  
 196 100  
 198 91.5 72.0 108.0  
 200 26.3 23.4 35.2



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

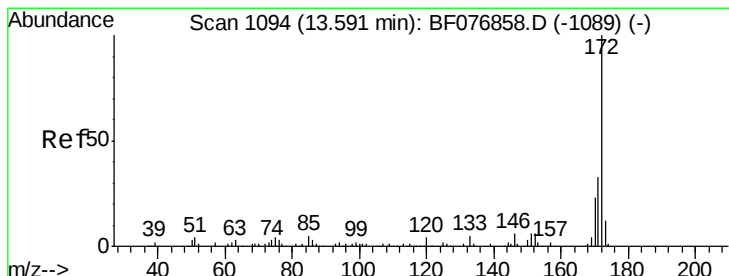
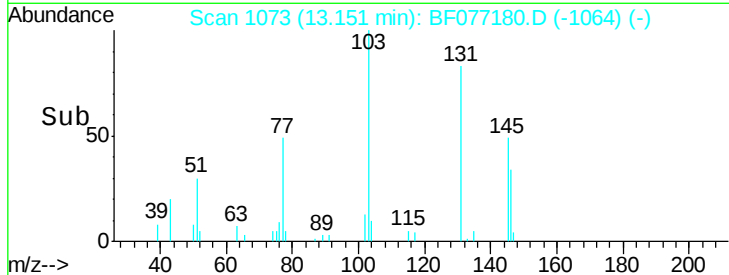
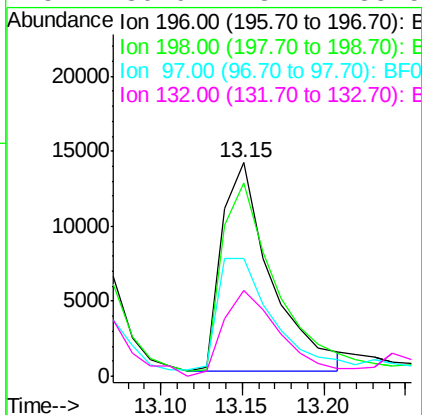
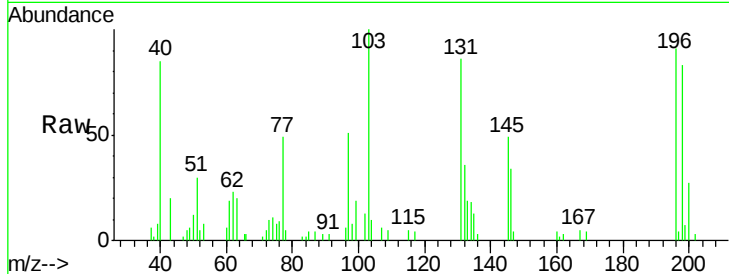




#43  
 2,4,5-Trichlorophenol  
 Concen: 33.13 ng  
 RT: 13.15 min Scan# 1073  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

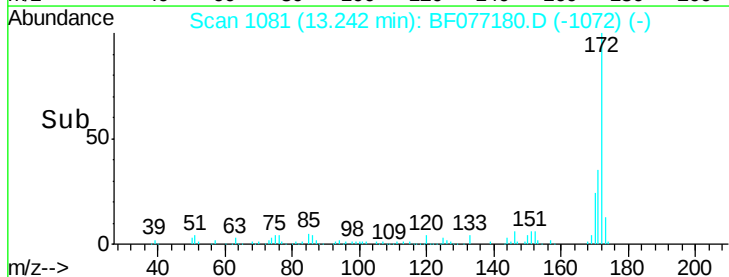
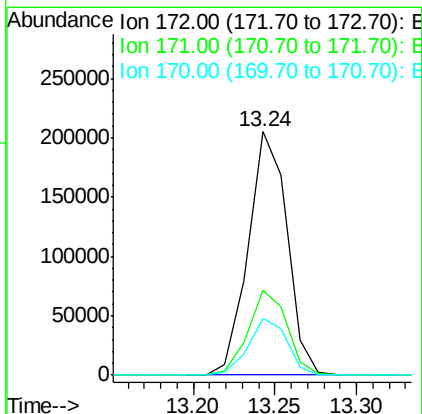
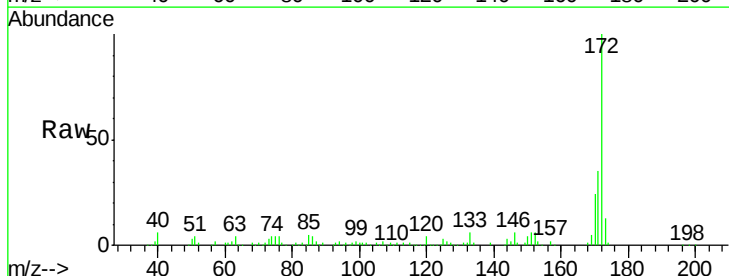
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

Tot Ion:196 Resp: 29093  
 Ion Ratio Lower Upper  
 196 100  
 198 90.3 76.6 115.0  
 97 55.4 43.4 65.0  
 132 39.9 23.7 35.5#



#44  
 2-Fluorobiphenyl  
 Concen: 107.90 ng  
 RT: 13.24 min Scan# 1081  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:172 Resp: 338857  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 26.6 40.0  
 170 23.5 18.0 27.0

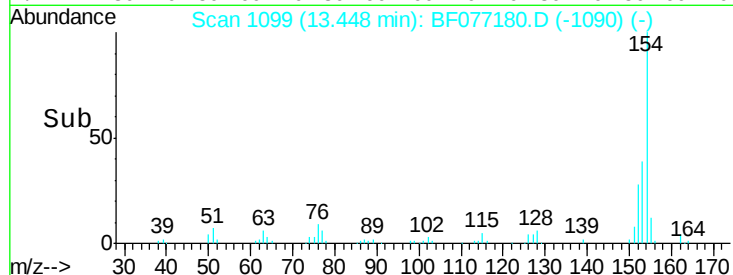
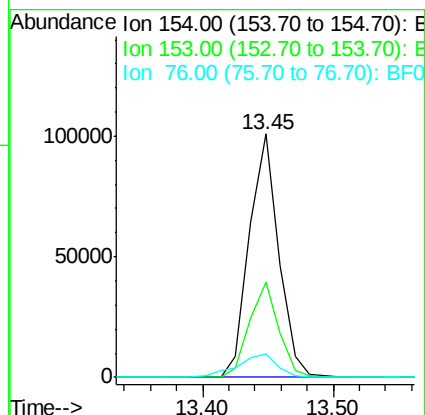
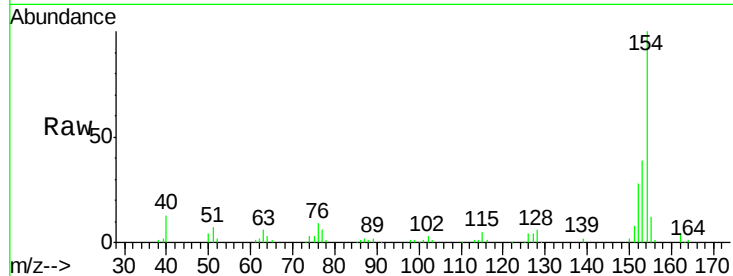




#45  
 1,1'-Biphenyl  
 Concen: 44.76 ng  
 RT: 13.45 min Scan# 1099  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

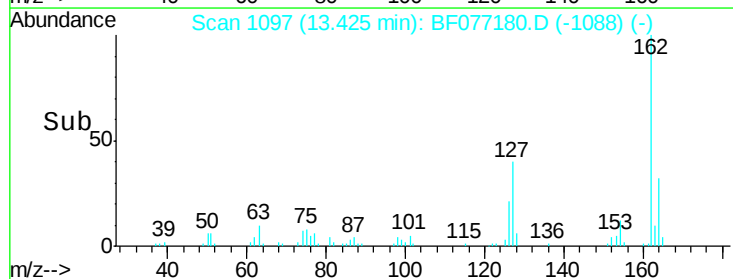
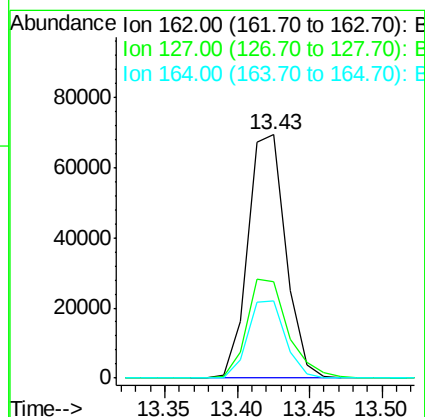
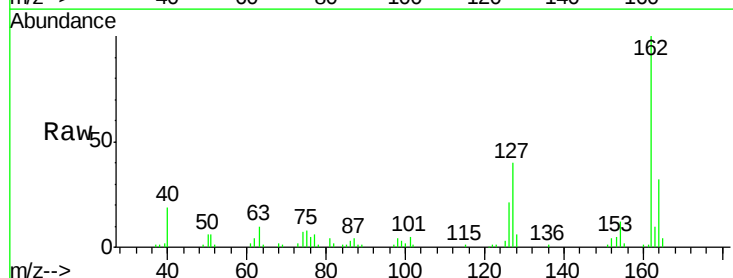
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

Tot Ion:154 Resp: 158598  
 Ion Ratio Lower Upper  
 154 100  
 153 39.2 20.2 60.2  
 76 9.4 0.0 29.0



#46  
 2-Chloronaphthalene  
 Concen: 42.95 ng  
 RT: 13.43 min Scan# 1097  
 Delta R.T. 0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:162 Resp: 125237  
 Ion Ratio Lower Upper  
 162 100  
 127 39.5 33.8 50.6  
 164 31.9 26.8 40.2

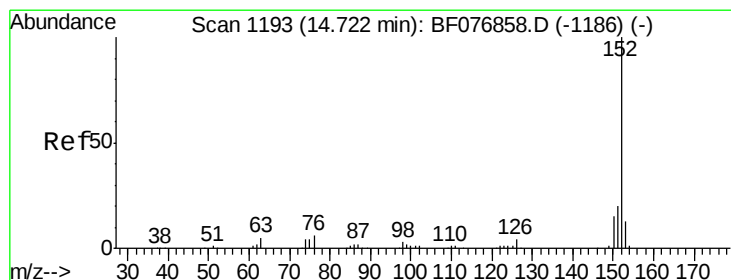
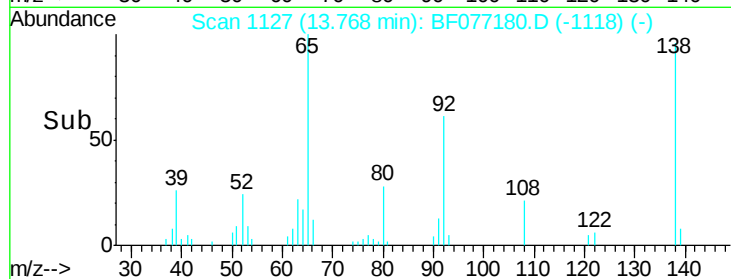
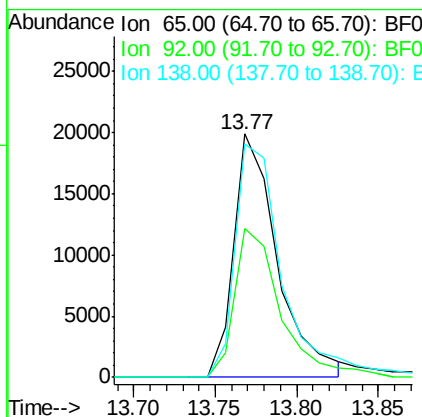
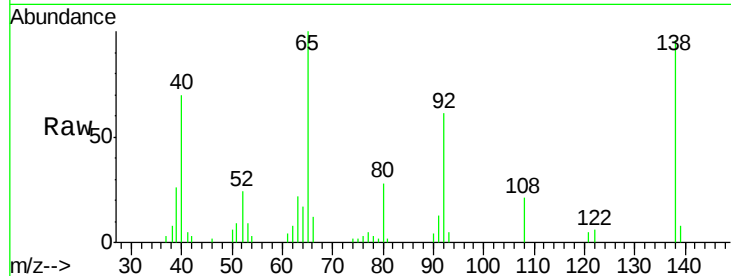




#47  
2-Nitroaniline  
Concen: 41.75 ng  
RT: 13.77 min Scan# 1127  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

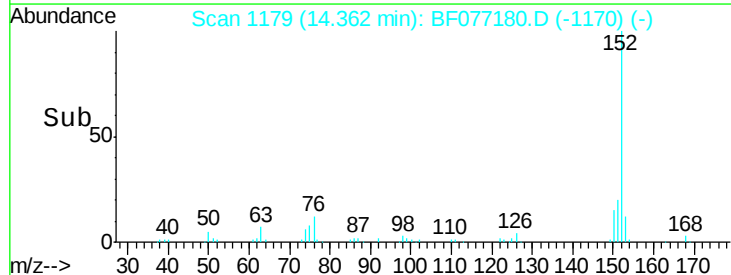
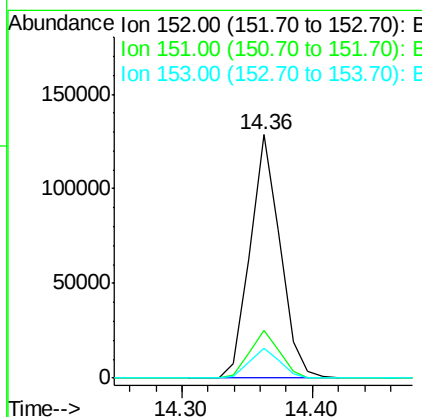
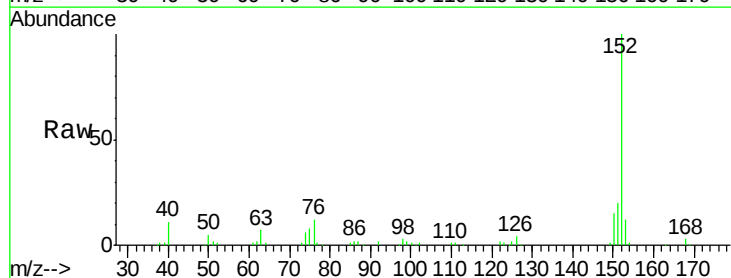
Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

Tot Ion: 65 Resp: 36926  
Ion Ratio Lower Upper  
65 100  
92 61.1 47.3 70.9  
138 95.8 71.4 107.2



#48  
Acenaphthylene  
Concen: 42.12 ng  
RT: 14.36 min Scan# 1179  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion: 152 Resp: 207121  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.9 23.9  
153 12.4 10.2 15.4

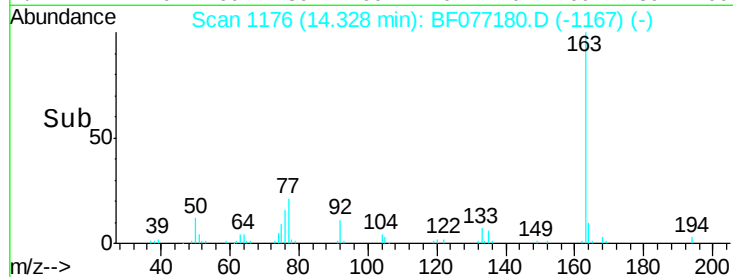
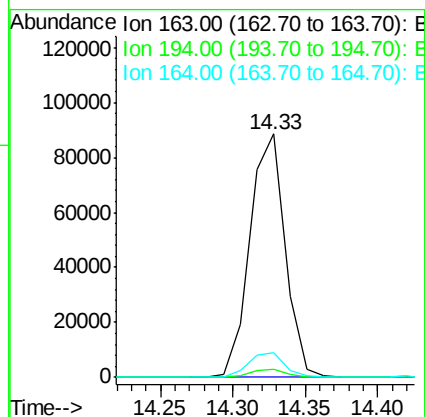
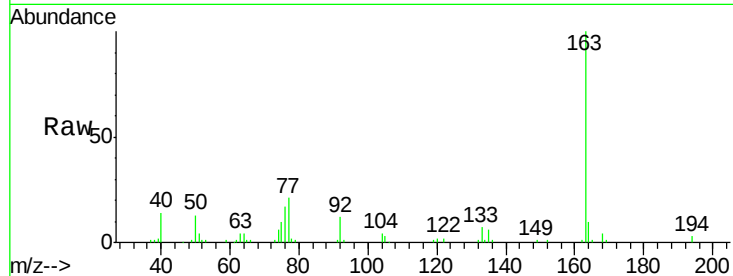




#49  
Dimethylphthalate  
Concen: 44.10 ng  
RT: 14.33 min Scan# 1176  
Delta R.T. 0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

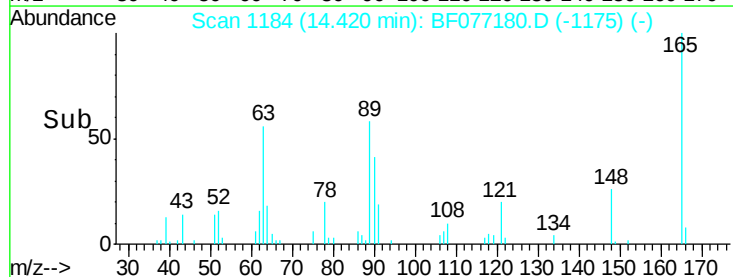
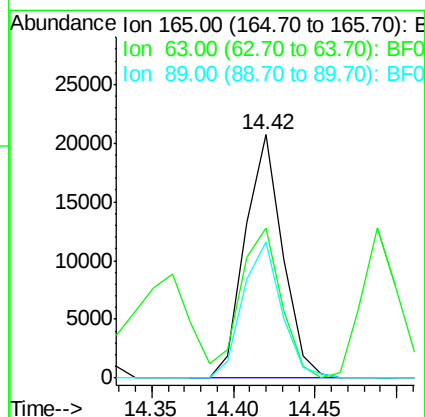
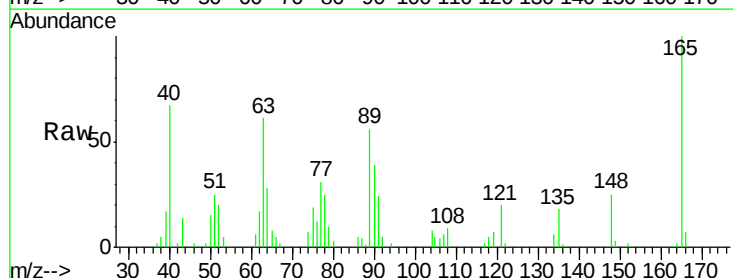
Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

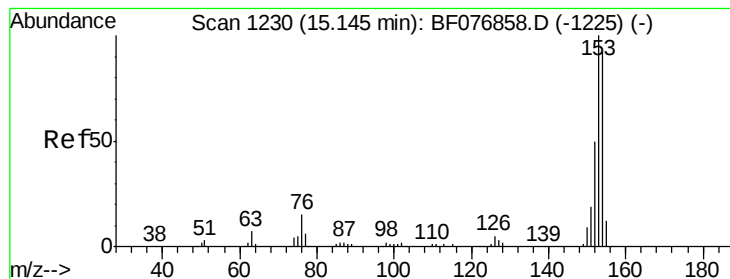
Tot Ion:163 Resp: 149481  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.6 4.0  
164 10.4 7.5 11.3



#50  
2,6-Dinitrotoluene  
Concen: 48.74 ng  
RT: 14.42 min Scan# 1184  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion:165 Resp: 33005  
Ion Ratio Lower Upper  
165 100  
63 61.4 48.1 72.1  
89 55.9 47.2 70.8





#51

Acenaphthene

Concen: 41.78 ng

RT: 14.79 min Scan# 1216

Delta R.T. -0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

Instrument :

BNA\_F

ClientSampleId :

PB81600BSD

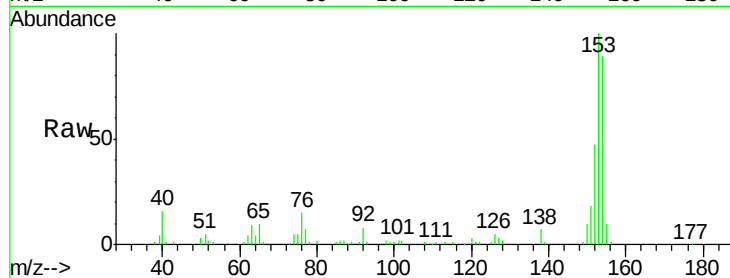
Tot Ion:154 Resp: 116572

Ion Ratio Lower Upper

154 100

153 111.8 87.0 130.6

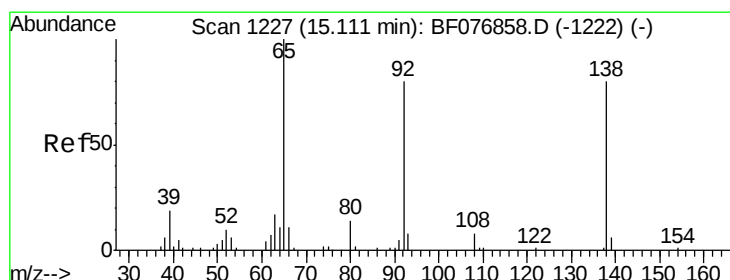
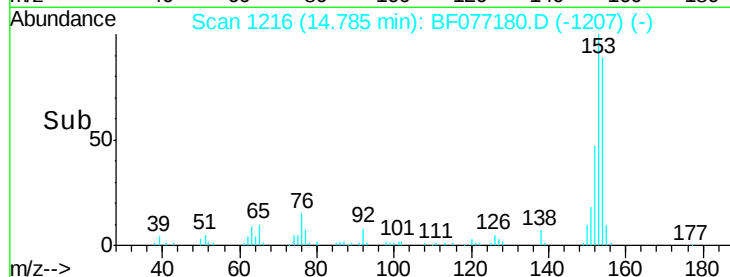
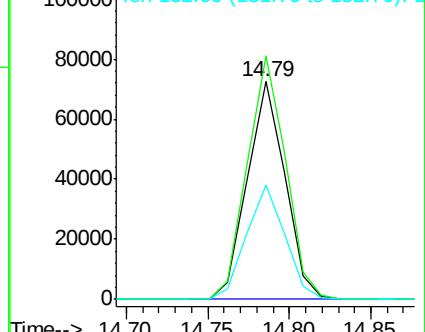
152 52.4 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.66 ng

RT: 14.77 min Scan# 1215

Delta R.T. -0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

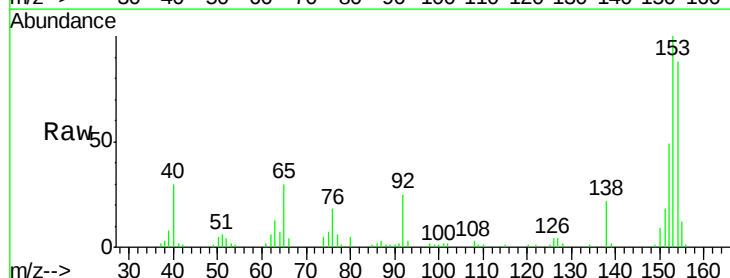
Tgt Ion:138 Resp: 20994

Ion Ratio Lower Upper

138 100

108 14.4 8.3 12.5#

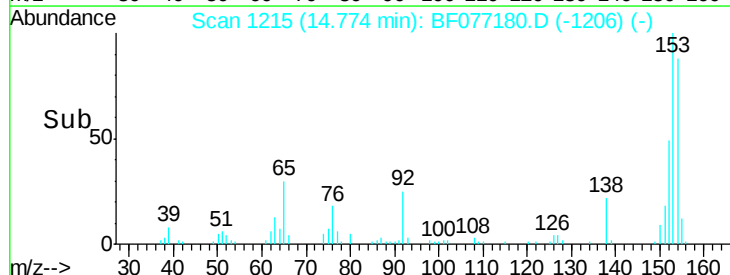
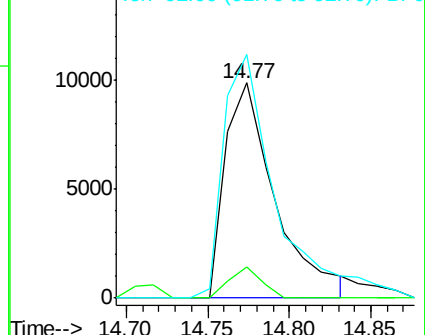
92 113.0 80.9 121.3

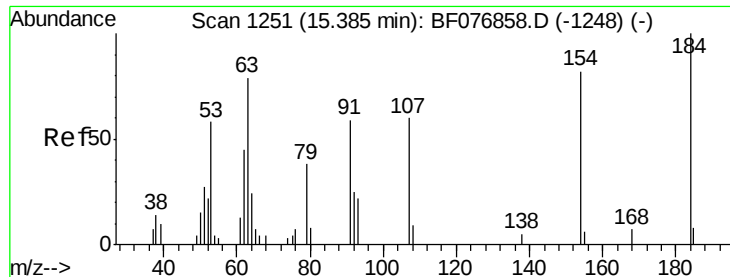


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

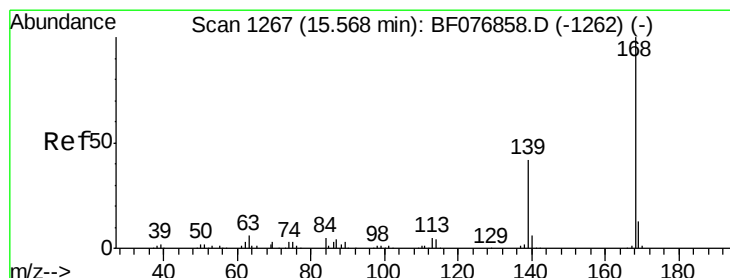
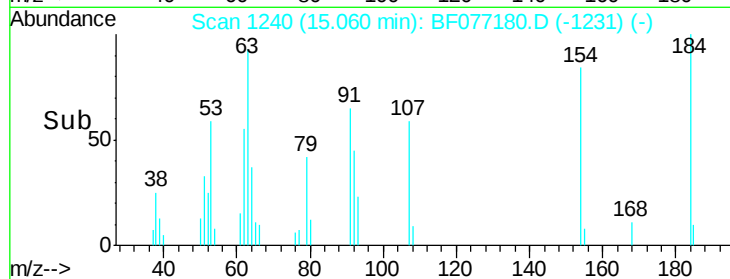
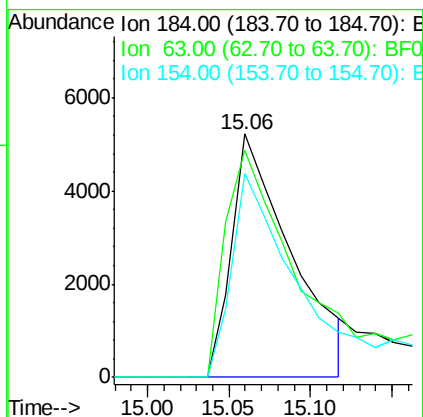
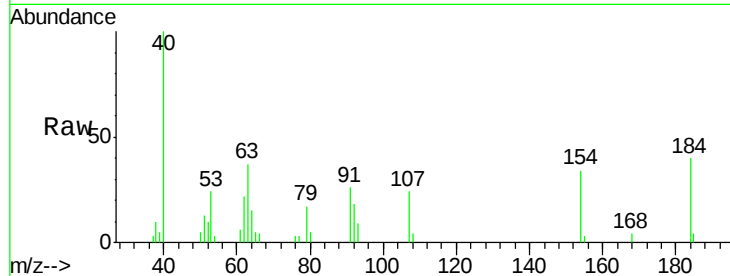




#53  
2,4-Dinitrophenol  
Concen: 47.35 ng  
RT: 15.06 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

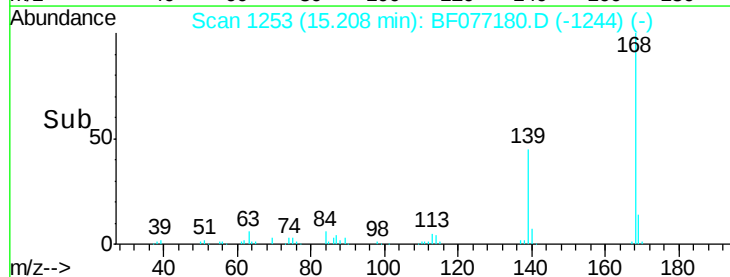
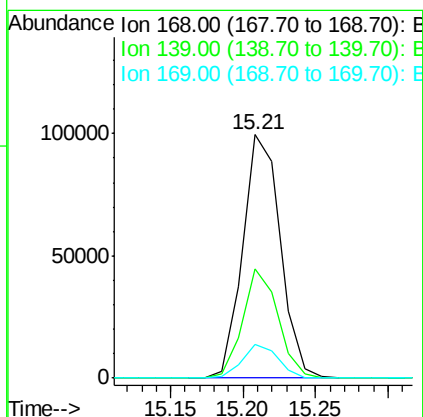
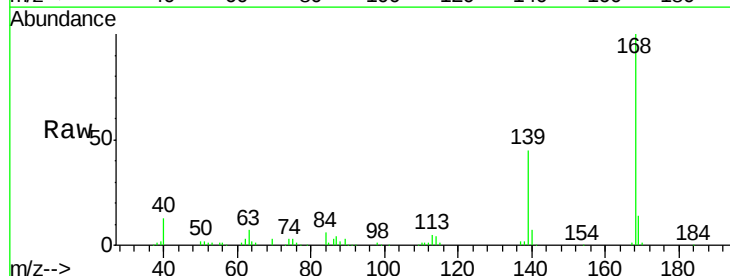
Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

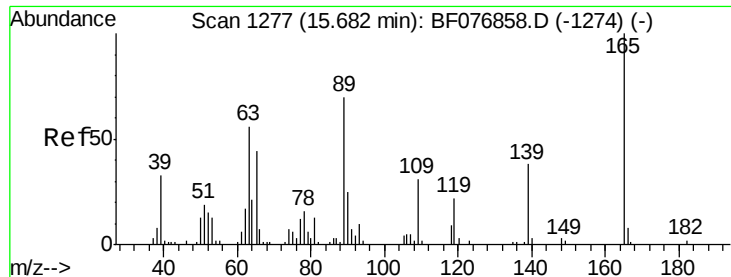
Tot Ion:184 Resp: 13261  
Ion Ratio Lower Upper  
184 100  
63 93.2 63.0 94.6  
154 83.6 65.5 98.3



#54  
Dibenzofuran  
Concen: 43.89 ng  
RT: 15.21 min Scan# 1253  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion:168 Resp: 178417  
Ion Ratio Lower Upper  
168 100  
139 44.6 33.4 50.2  
169 13.8 10.6 15.8

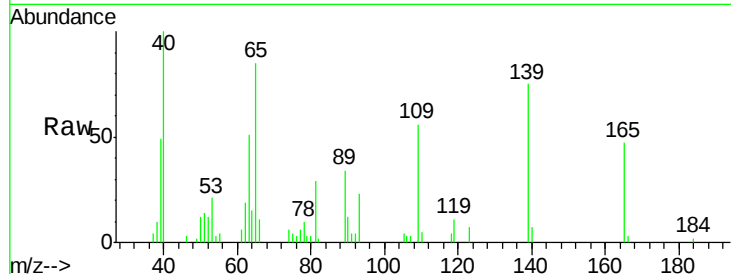




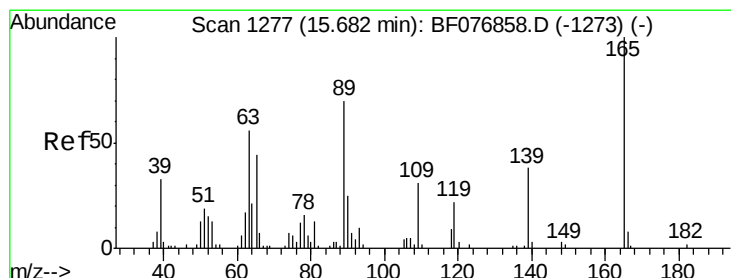
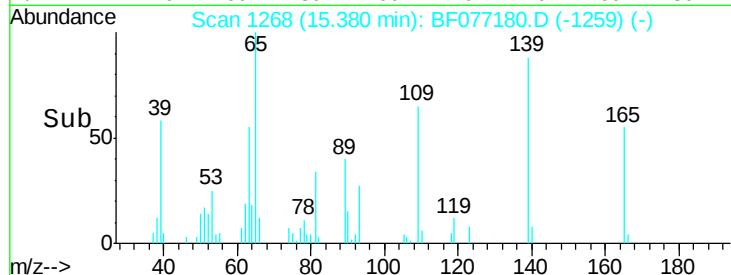
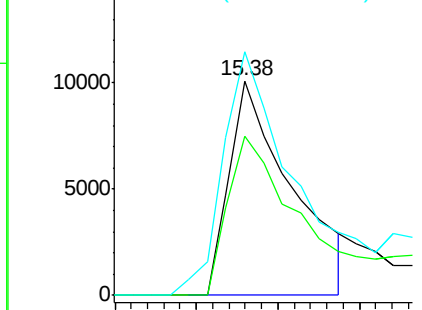
#55  
4-Nitrophenol  
Concen: 50.35 ng  
RT: 15.38 min Scan# 1268  
Delta R.T. 0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

Tot Ion:139 Resp: 26751  
Ion Ratio Lower Upper  
139 100  
109 74.0 61.0 101.0  
65 113.6 96.6 136.6



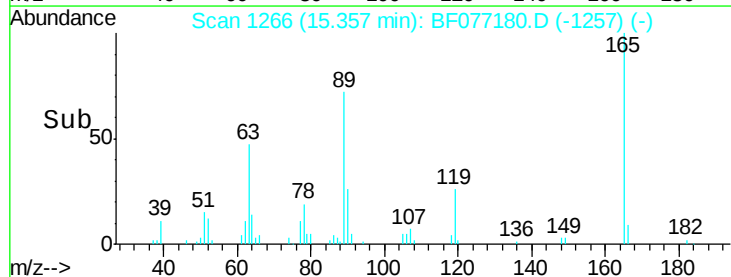
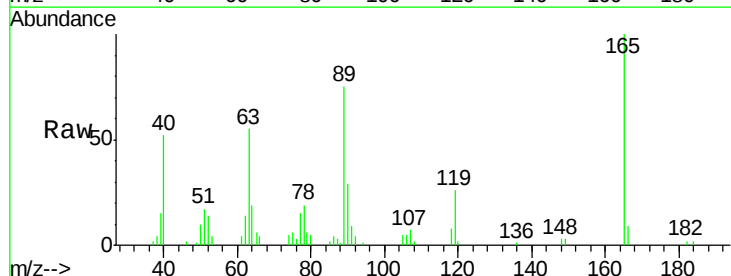
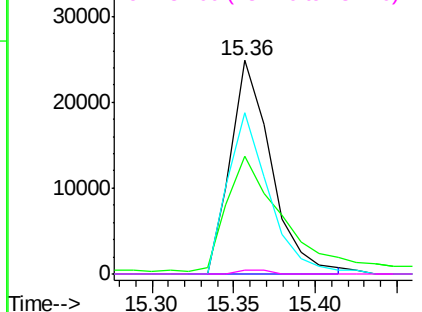
Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0



#56  
2,4-Dinitrotoluene  
Concen: 42.84 ng  
RT: 15.36 min Scan# 1266  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion:165 Resp: 43247  
Ion Ratio Lower Upper  
165 100  
63 55.1 44.8 67.2  
89 75.3 56.2 84.2  
182 1.6 1.5 2.3

Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

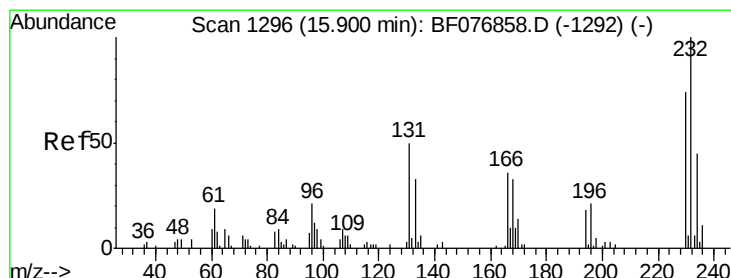
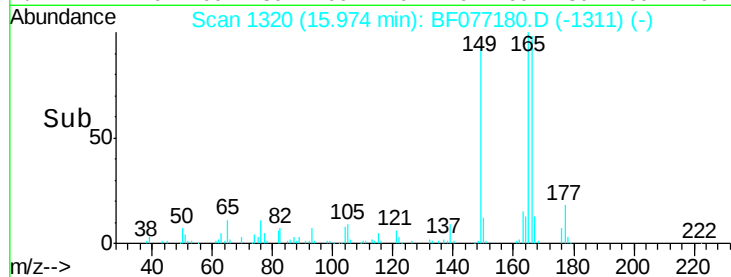
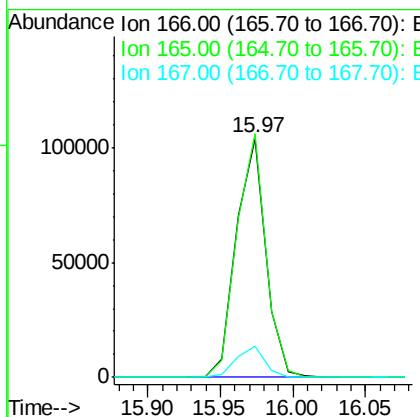
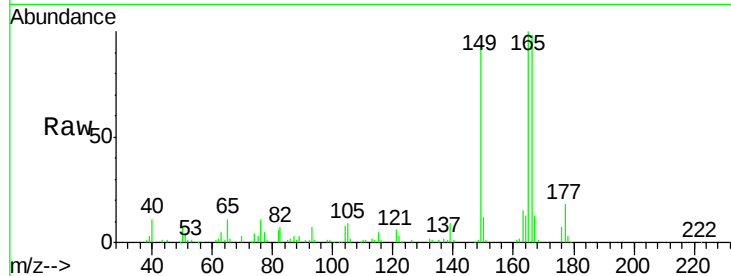




#57  
 Fluorene  
 Concen: 42.68 ng  
 RT: 15.97 min Scan# 1320  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

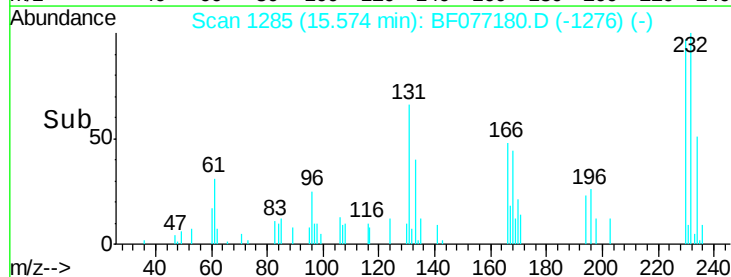
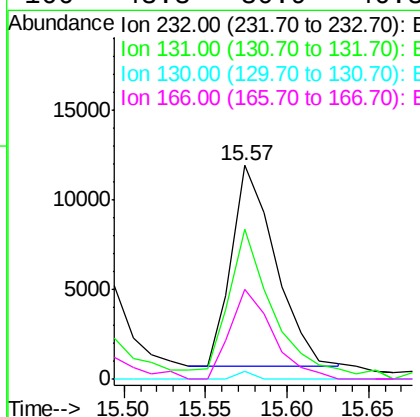
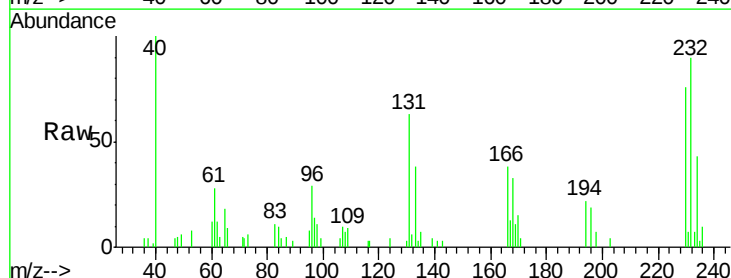
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

Tot Ion:166 Resp: 146990  
 Ion Ratio Lower Upper  
 166 100  
 165 102.1 78.5 117.7  
 167 12.8 10.4 15.6



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 32.84 ng  
 RT: 15.57 min Scan# 1285  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:232 Resp: 20995  
 Ion Ratio Lower Upper  
 232 100  
 131 62.9 45.0 67.6  
 130 1.4 2.6 3.8#  
 166 43.3 30.9 46.3

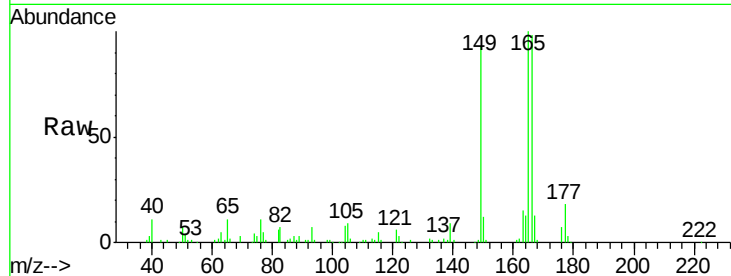




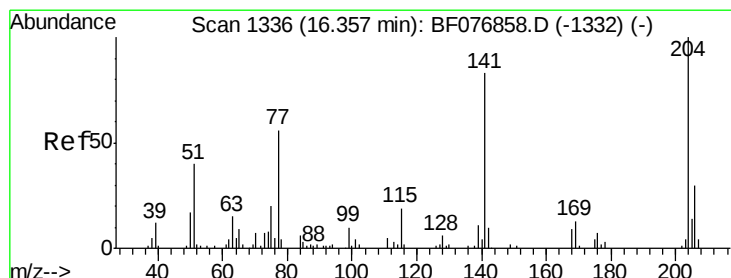
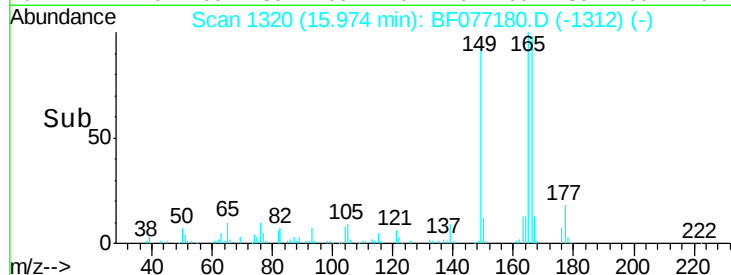
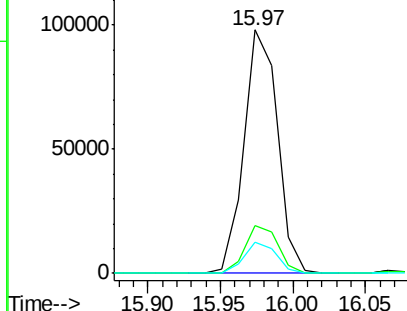
#59  
Diethylphthalate  
Concen: 45.89 ng  
RT: 15.97 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

Tot Ion:149 Resp: 157197  
Ion Ratio Lower Upper  
149 100  
177 19.5 15.0 22.6  
150 12.6 9.4 14.0

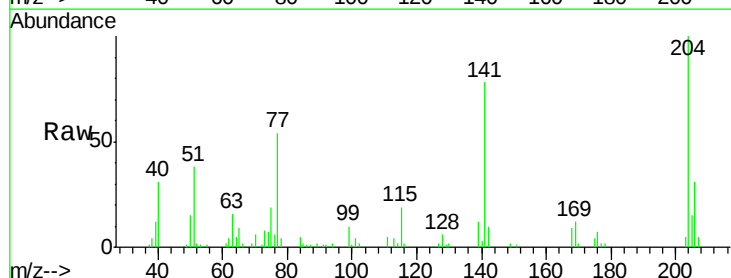


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

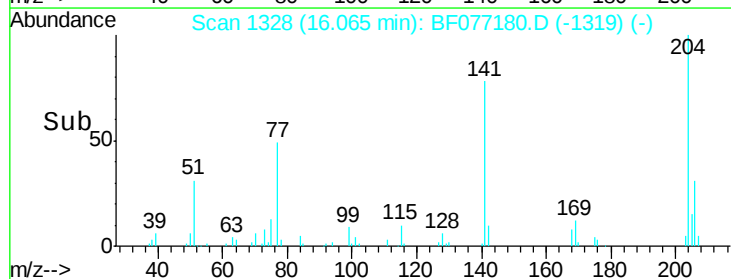
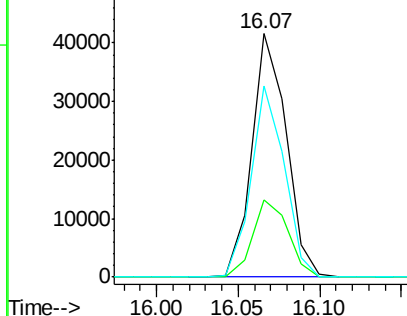


#60  
4-Chlorophenyl-phenylether  
Concen: 43.36 ng  
RT: 16.07 min Scan# 1328  
Delta R.T. 0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion:204 Resp: 61098  
Ion Ratio Lower Upper  
204 100  
206 31.5 24.2 36.2  
141 78.5 66.7 100.1



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

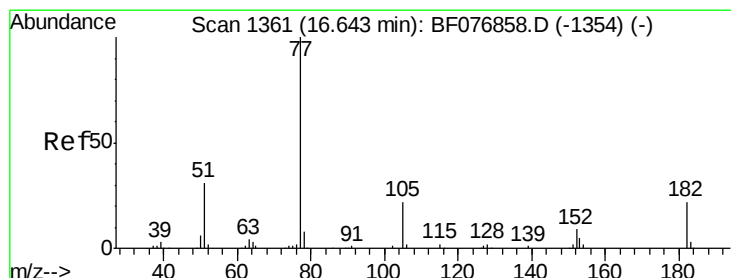
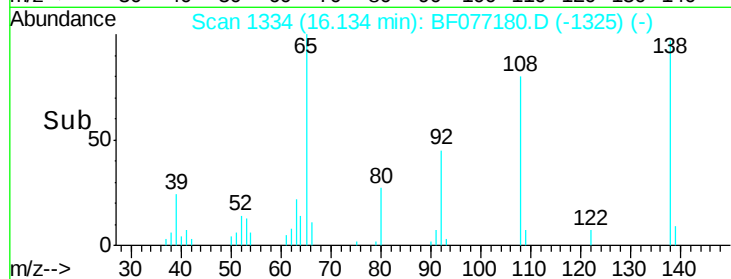
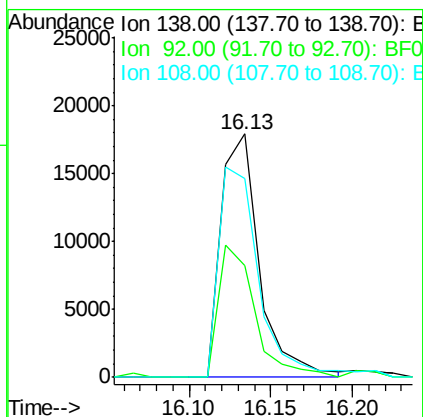
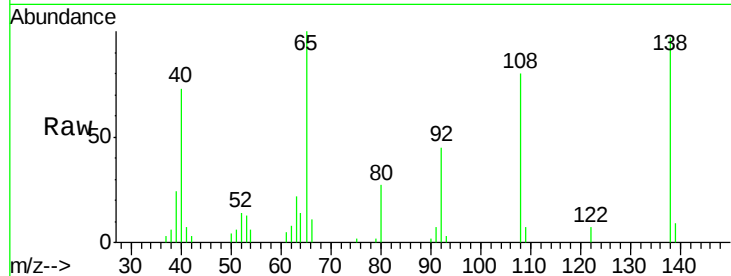




#61  
4-Nitroaniline  
Concen: 34.61 ng  
RT: 16.13 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

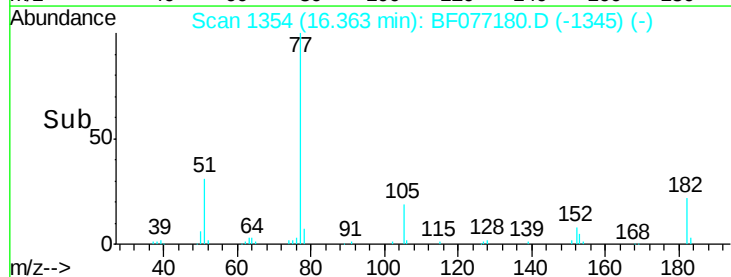
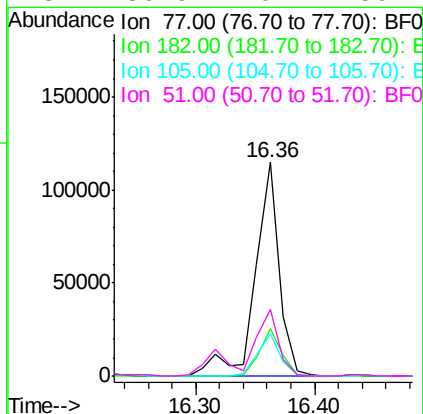
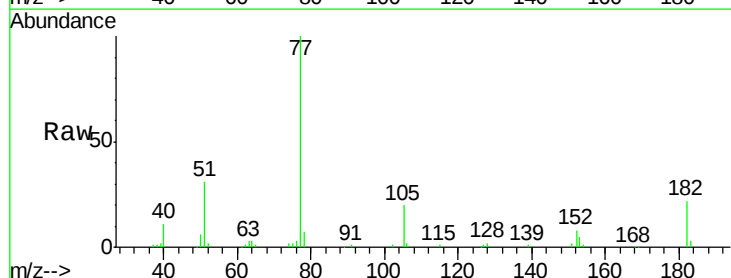
Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

Tot Ion:138 Resp: 29192  
Ion Ratio Lower Upper  
138 100  
92 46.0 26.7 66.7  
108 81.6 64.5 104.5



#62  
Azobenzene  
Concen: 45.68 ng  
RT: 16.36 min Scan# 1354  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion: 77 Resp: 163044  
Ion Ratio Lower Upper  
77 100  
182 22.0 2.0 42.0  
105 19.7 2.3 42.3  
51 30.9 10.7 50.7

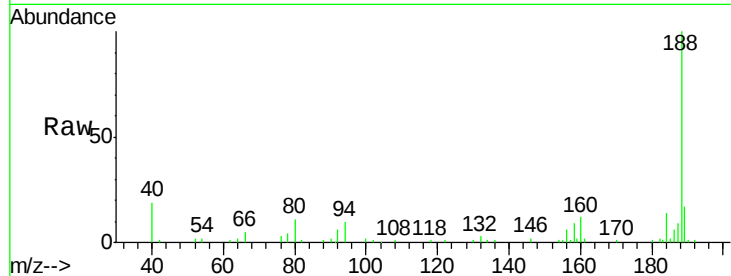




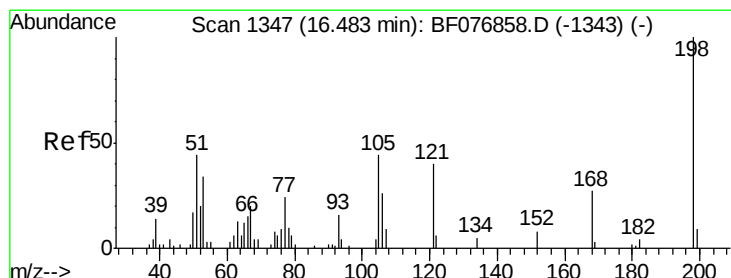
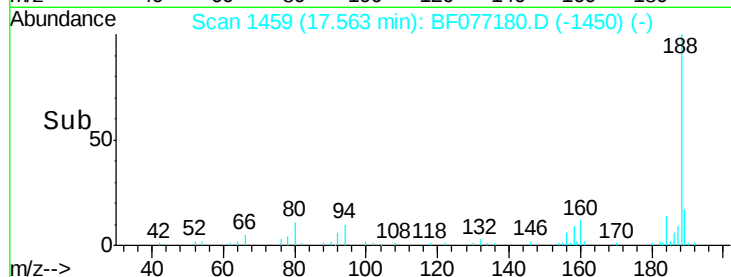
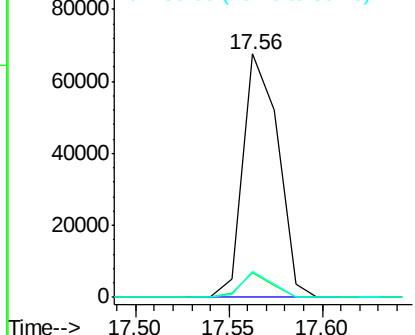
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.56 min Scan# 1459  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

Tot Ion:188 Resp: 88055  
 Ion Ratio Lower Upper  
 188 100  
 94 10.4 6.0 9.0#  
 80 10.7 6.9 10.3#

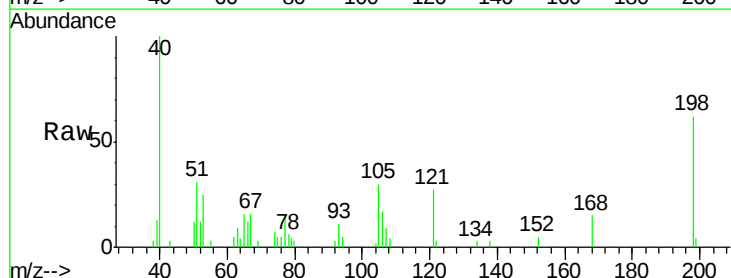


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

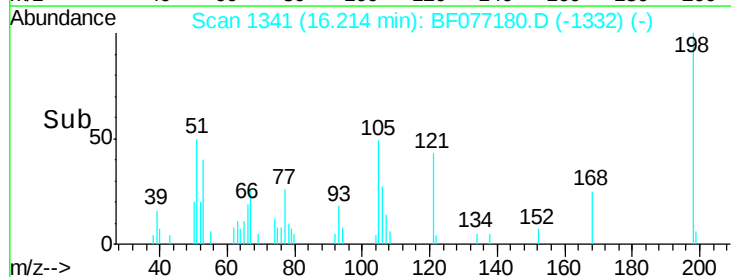
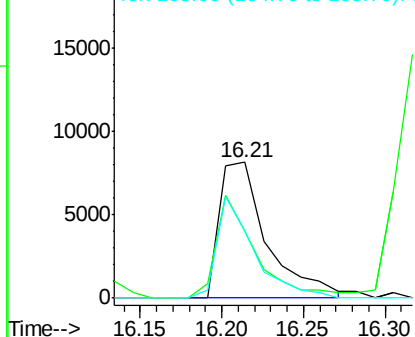


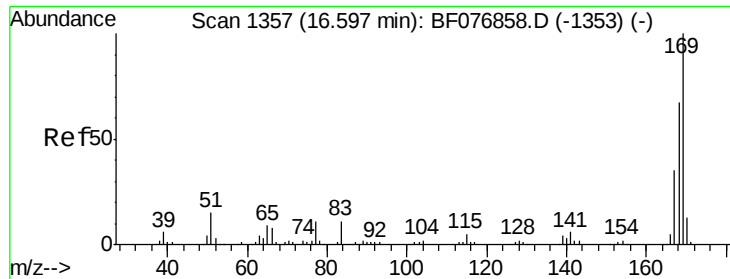
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 30.54 ng  
 RT: 16.21 min Scan# 1341  
 Delta R.T. 0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:198 Resp: 16552  
 Ion Ratio Lower Upper  
 198 100  
 51 49.7 24.2 64.2  
 105 49.0 24.0 64.0



Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF0  
 Ion 105.00 (104.70 to 105.70): E

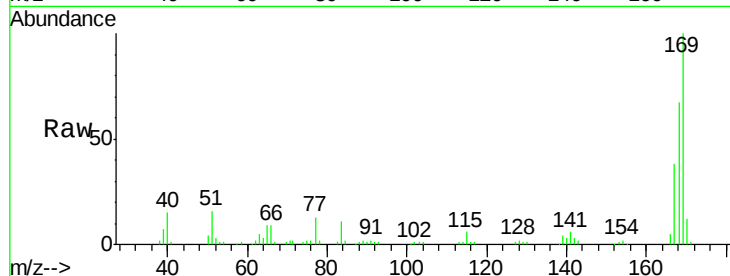




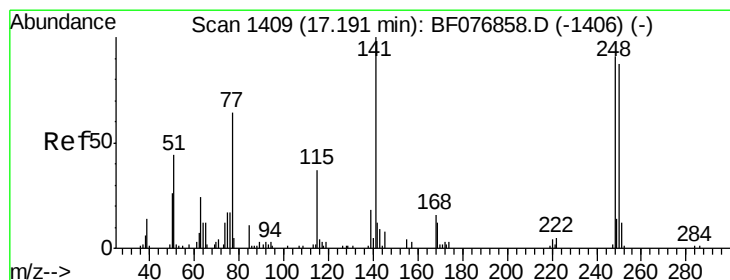
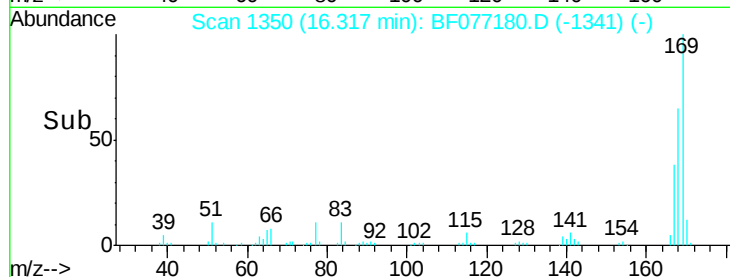
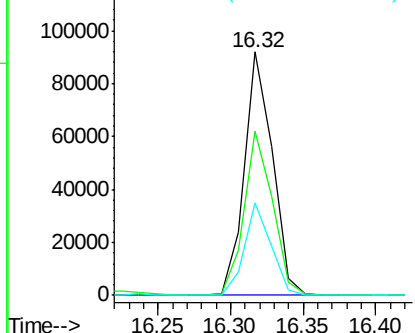
#65  
 n-Nitrosodiphenylamine  
 Concen: 39.42 ng  
 RT: 16.32 min Scan# 1350  
 Delta R.T. 0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

Tot Ion:169 Resp: 123758  
 Ion Ratio Lower Upper  
 169 100  
 168 67.3 53.8 80.6  
 167 37.8 27.8 41.6

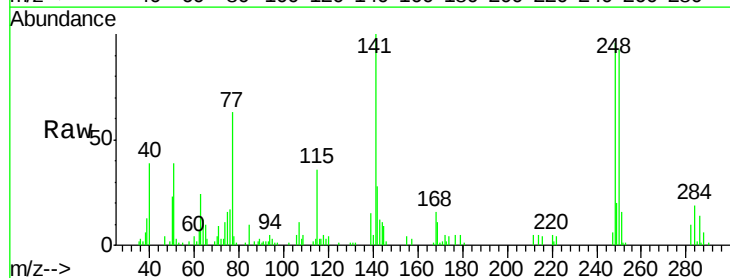


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

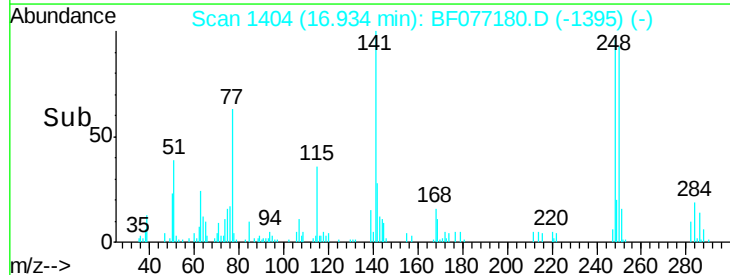
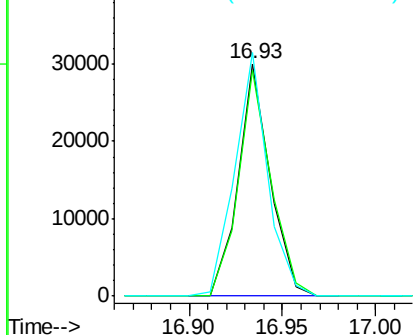


#66  
 4-Bromophenyl-phenylether  
 Concen: 40.01 ng  
 RT: 16.93 min Scan# 1404  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:248 Resp: 35689  
 Ion Ratio Lower Upper  
 248 100  
 250 96.9 77.1 115.7  
 141 104.7 88.2 132.4



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





#67

Hexachlorobenzene

Concen: 40.00 ng

RT: 16.95 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

Instrument :

BNA\_F

ClientSampleId :

PB81600BSD

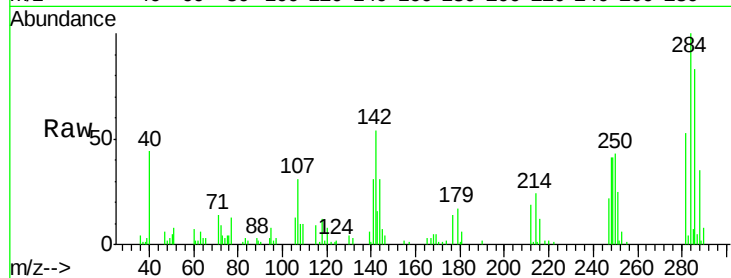
Tot Ion:284 Resp: 37606

Ion Ratio Lower Upper

284 100

142 54.3 38.2 57.4

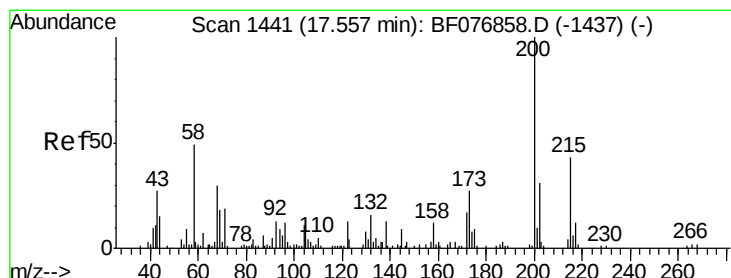
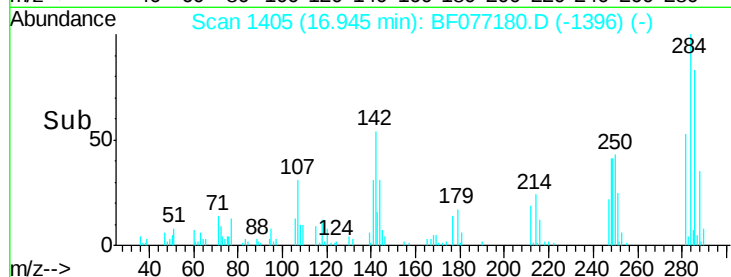
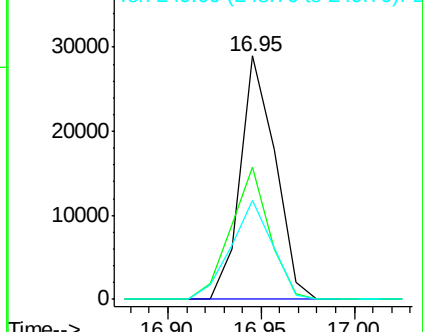
249 40.5 28.2 42.2



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: 42.38 ng

RT: 17.32 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

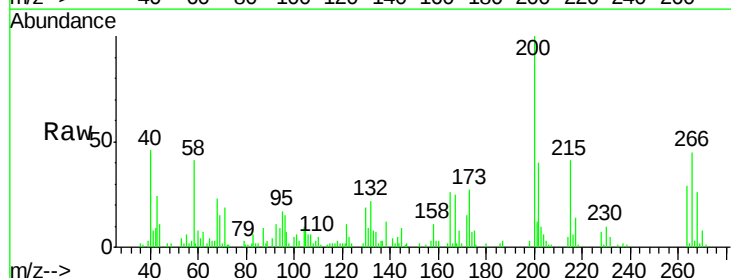
Tgt Ion:200 Resp: 40380

Ion Ratio Lower Upper

200 100

173 26.7 6.6 46.6

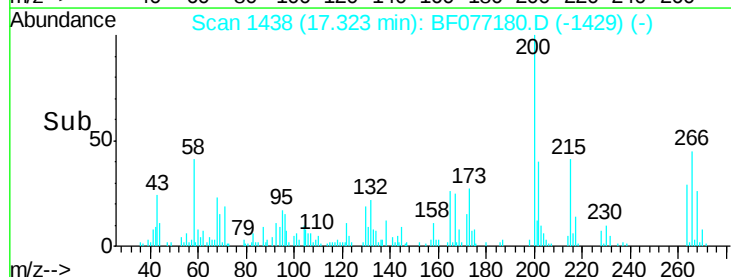
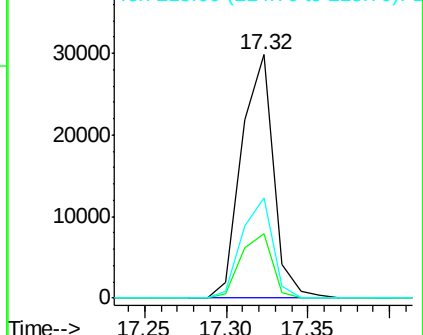
215 41.0 22.9 62.9



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

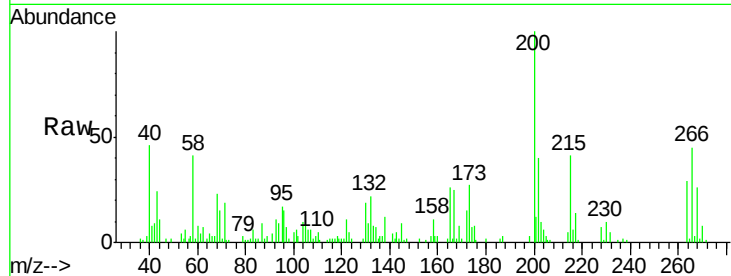




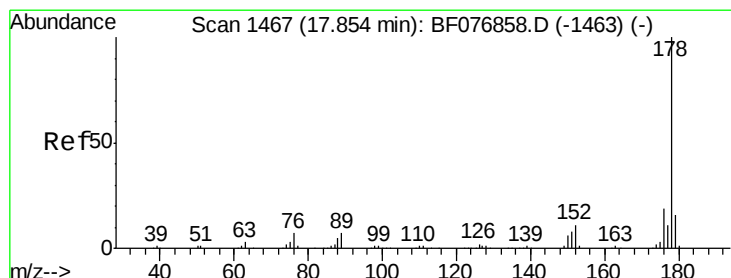
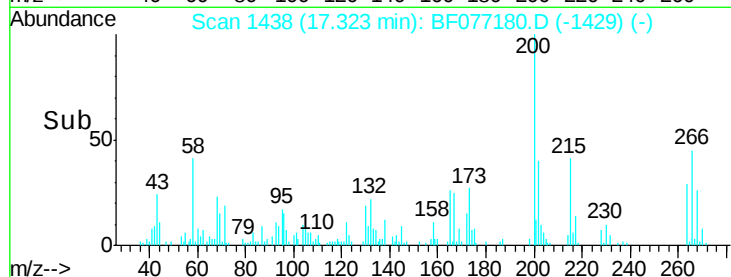
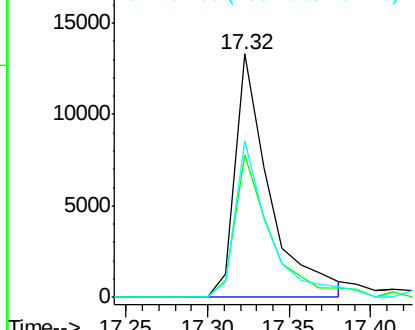
#69  
 Pentachlorophenol  
 Concen: 48.06 ng  
 RT: 17.32 min Scan# 1438  
 Delta R.T. 0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

Tot Ion:266 Resp: 19420  
 Ion Ratio Lower Upper  
 266 100  
 268 58.7 48.6 72.8  
 264 64.2 49.5 74.3

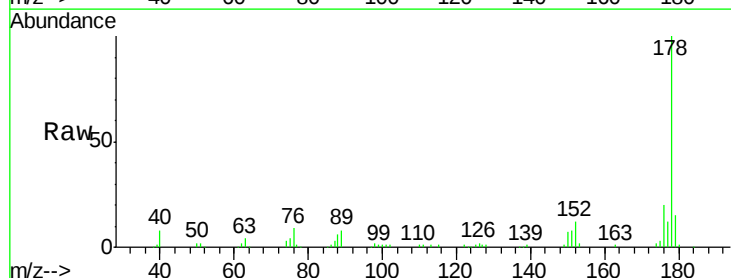


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

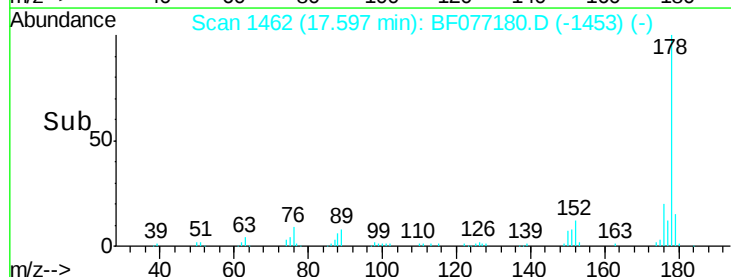
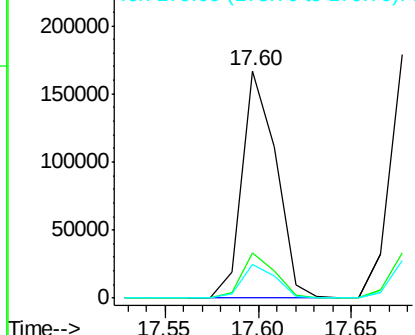


#70  
 Phenanthrene  
 Concen: 38.54 ng  
 RT: 17.60 min Scan# 1462  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:178 Resp: 211652  
 Ion Ratio Lower Upper  
 178 100  
 176 19.7 15.1 22.7  
 179 14.9 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

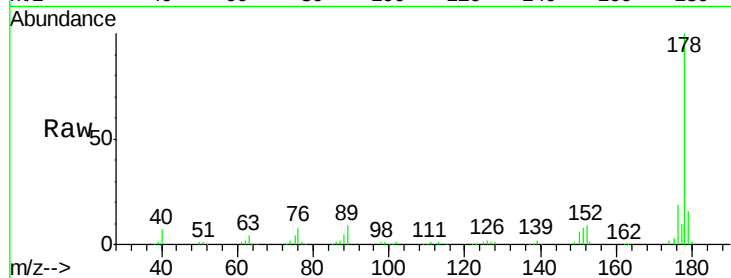




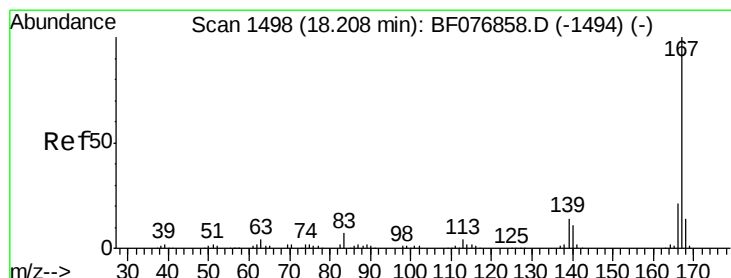
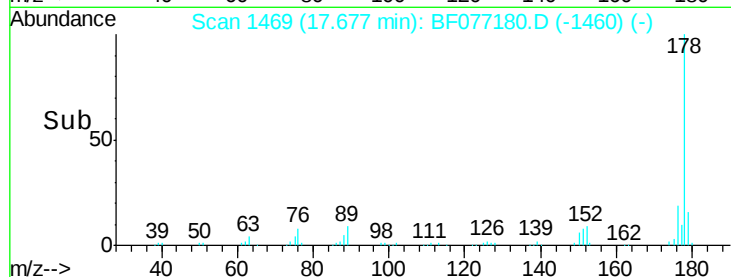
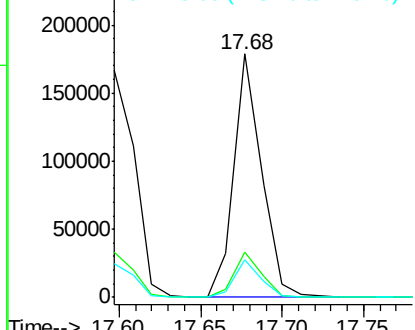
#71  
 Anthracene  
 Concen: 38.87 ng  
 RT: 17.68 min Scan# 1469  
 Delta R.T. 0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

Tot Ion:178 Resp: 208166  
 Ion Ratio Lower Upper  
 178 100  
 176 18.7 15.4 23.0  
 179 15.6 11.9 17.9

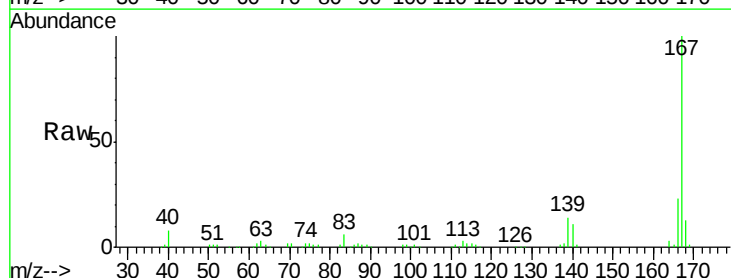


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

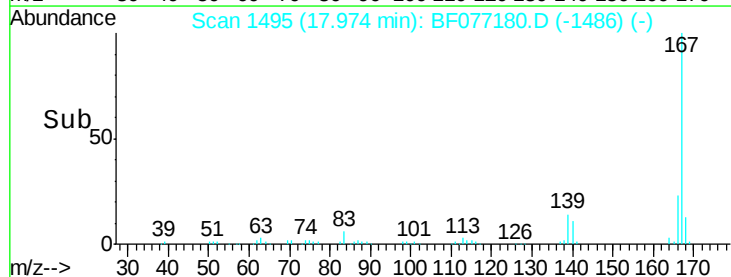
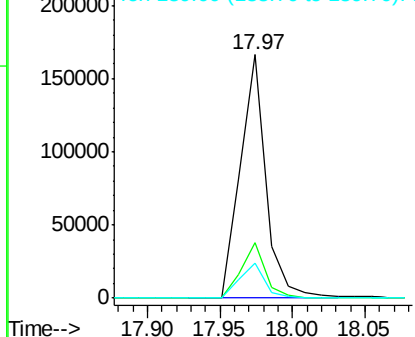


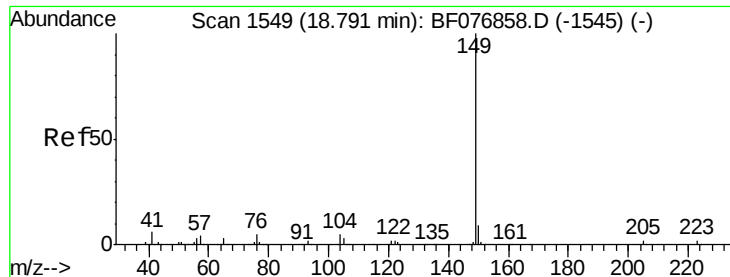
#72  
 Carbazole  
 Concen: 39.29 ng  
 RT: 17.97 min Scan# 1495  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:167 Resp: 204059  
 Ion Ratio Lower Upper  
 167 100  
 166 22.6 17.0 25.6  
 139 14.2 11.3 16.9



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





#73

Di-n-butylphthalate

Concen: 41.56 ng

RT: 18.57 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

Instrument :

BNA\_F

ClientSampleId :

PB81600BSD

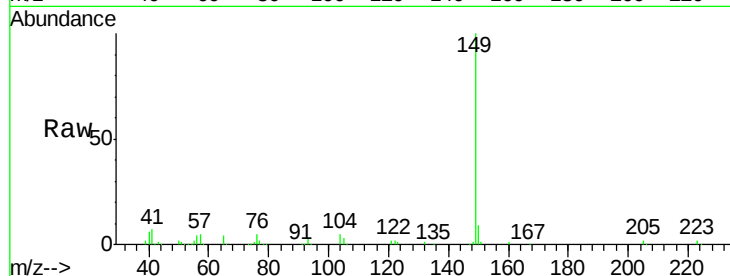
Tot Ion:149 Resp: 249836

Ion Ratio Lower Upper

149 100

150 9.2 6.9 10.3

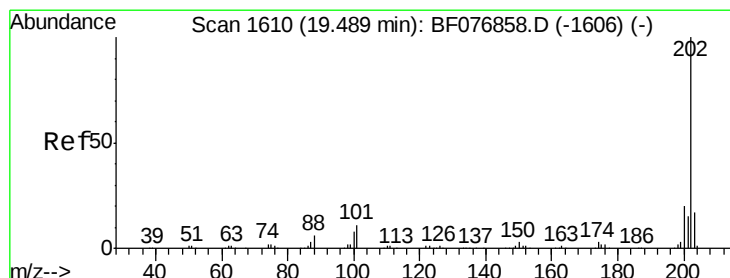
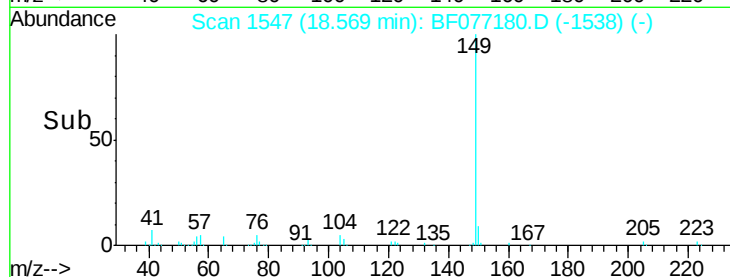
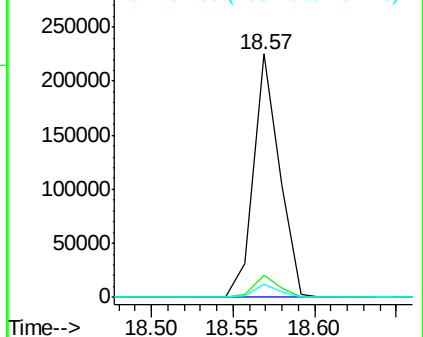
104 5.4 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 40.79 ng

RT: 19.25 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

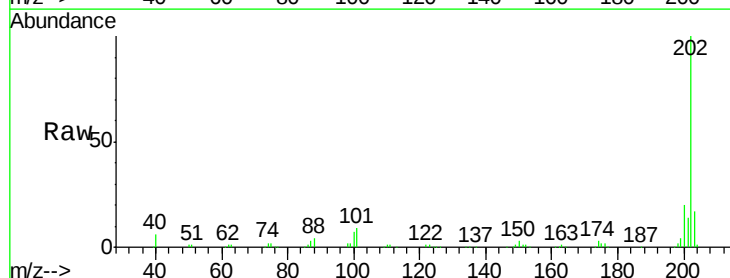
Tgt Ion:202 Resp: 229512

Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.7

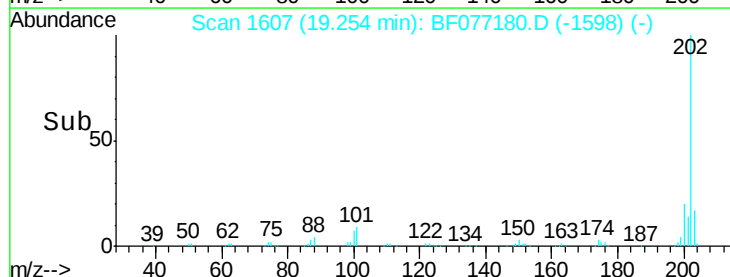
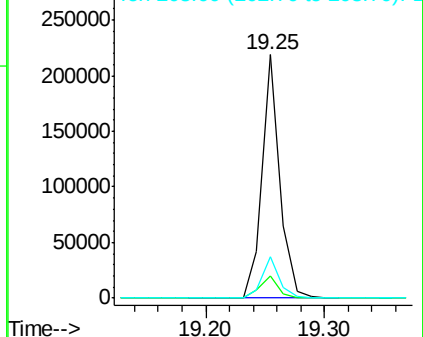
203 17.0 0.0 36.9

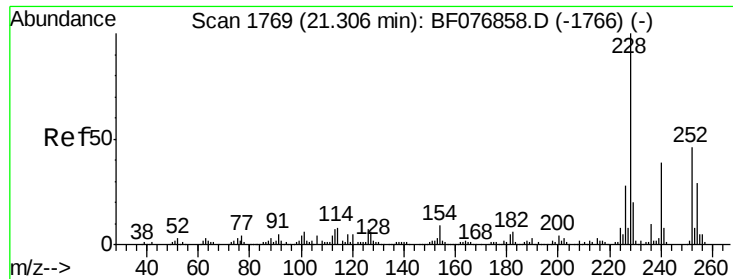


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

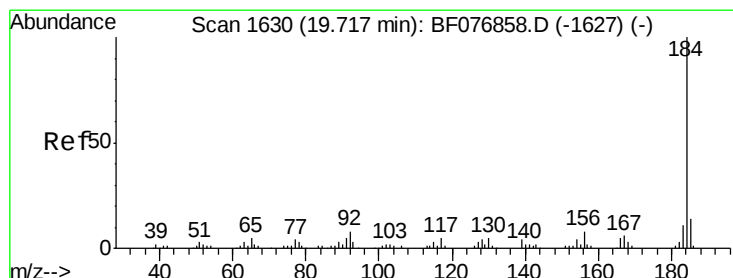
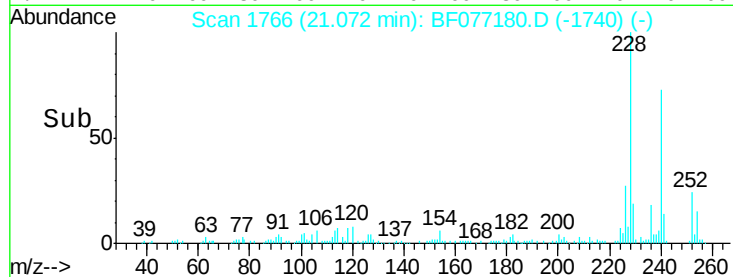
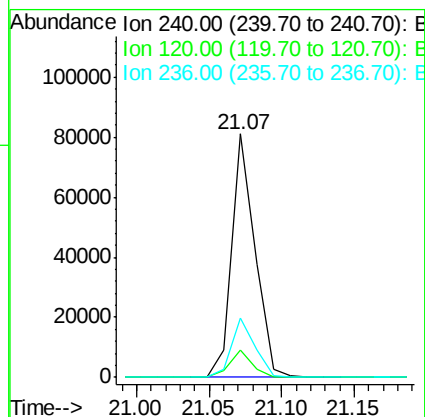
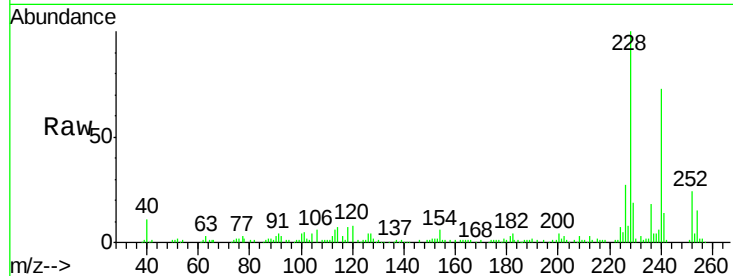




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.07 min Scan# 1766  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

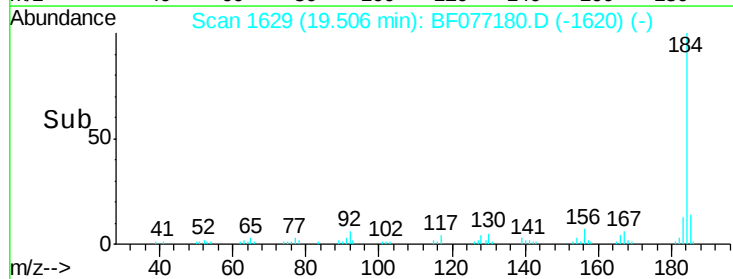
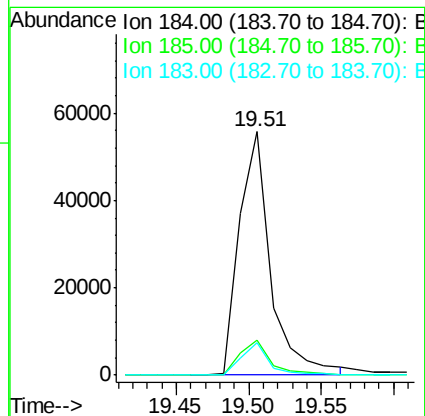
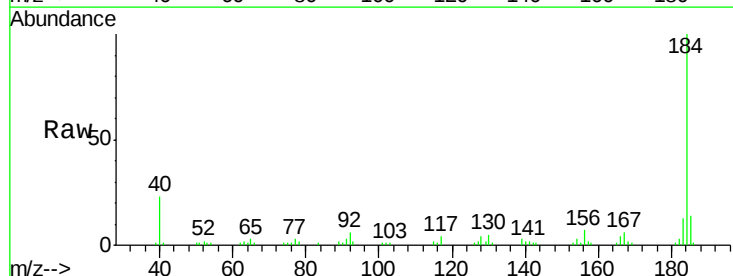
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

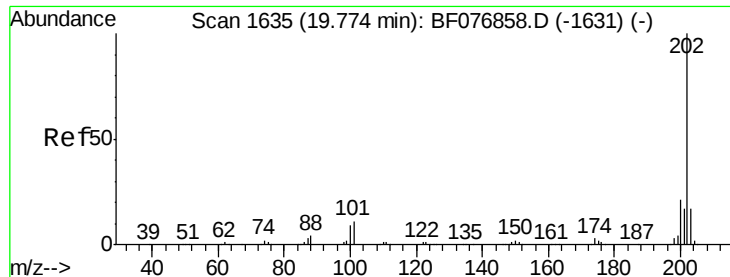
Tot Ion:240 Resp: 90072  
 Ion Ratio Lower Upper  
 240 100  
 120 11.1 10.4 15.6  
 236 24.4 20.2 30.2



#76  
 Benzidine  
 Concen: 29.02 ng  
 RT: 19.51 min Scan# 1629  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:184 Resp: 83647  
 Ion Ratio Lower Upper  
 184 100  
 185 14.3 11.4 17.2  
 183 13.5 9.0 13.6

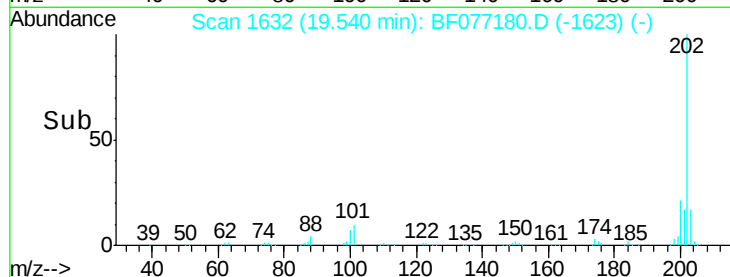
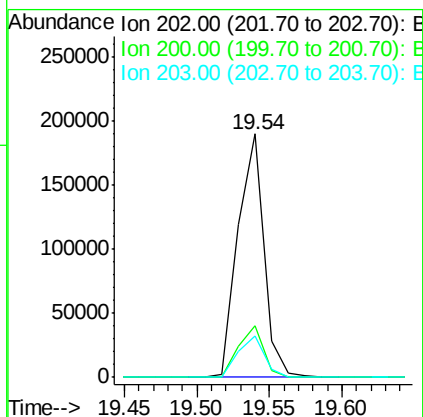
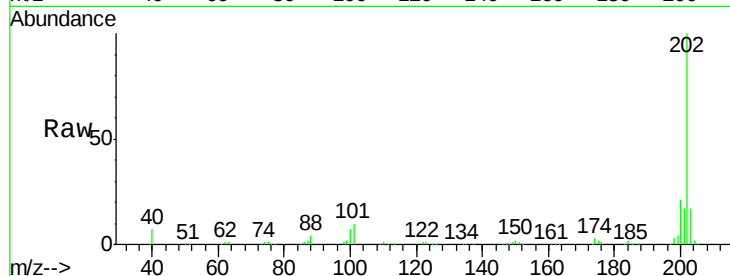




#77  
 Pvrene  
 Concen: 38.45 ng  
 RT: 19.54 min Scan# 1632  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

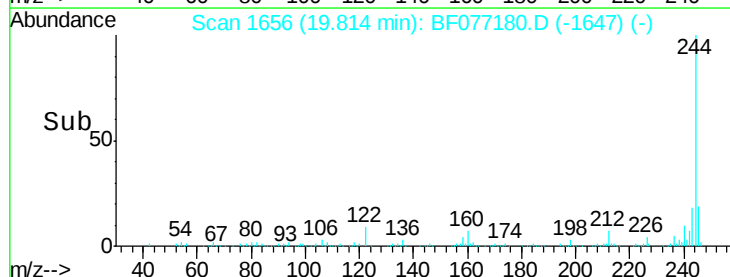
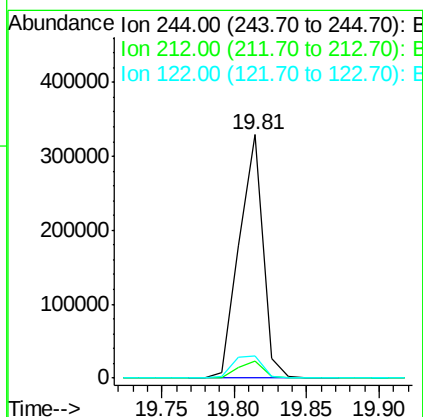
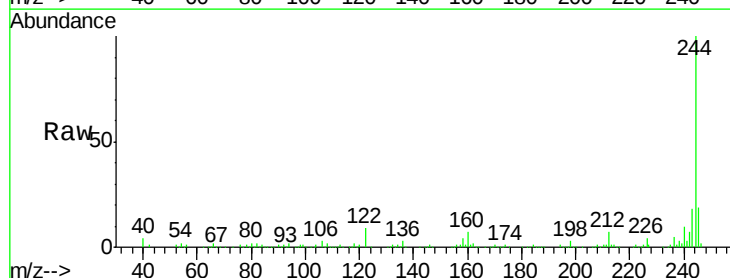
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

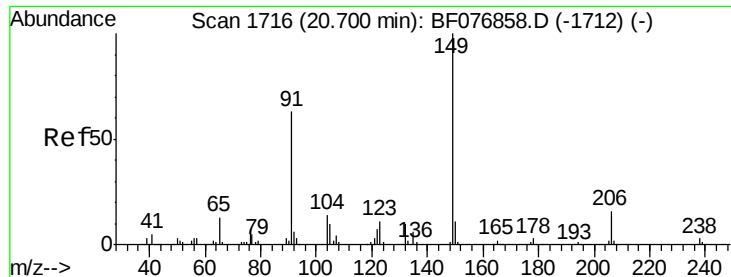
Tot Ion:202 Resp: 237374  
 Ion Ratio Lower Upper  
 202 100  
 200 21.4 16.7 25.1  
 203 16.8 14.0 21.0



#78  
 Terphenyl-d14  
 Concen: 95.74 ng  
 RT: 19.81 min Scan# 1656  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:244 Resp: 374564  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.3 9.5  
 122 9.2 10.1 15.1#

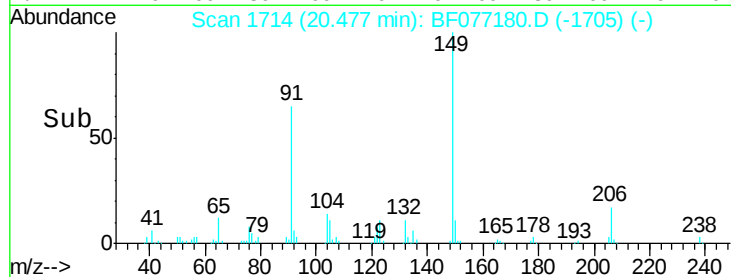
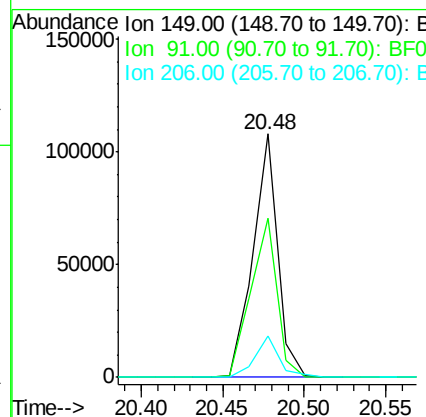
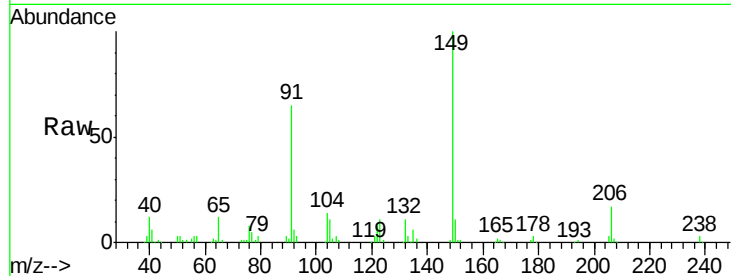




#79  
Butylbenzylphthalate  
Concen: 40.43 ng  
RT: 20.48 min Scan# 1714  
Delta R.T. 0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

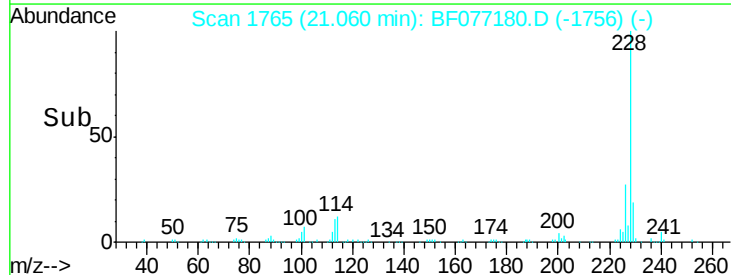
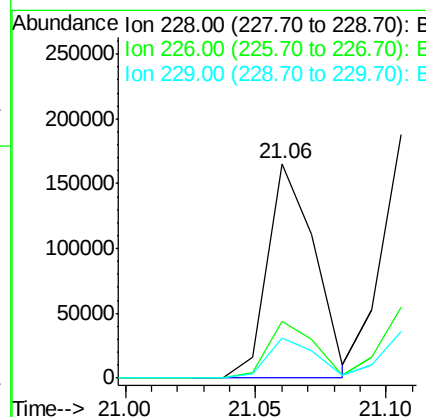
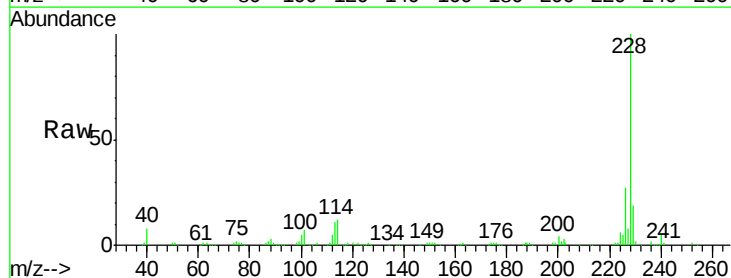
Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

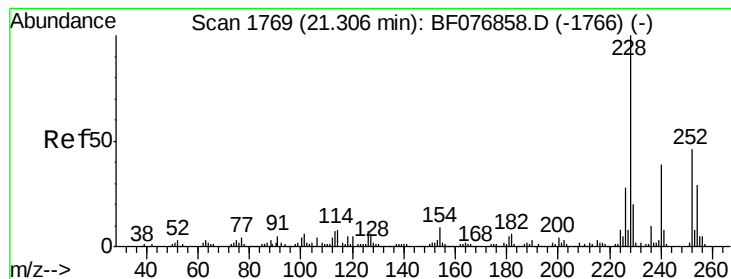
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 65.3  | 50.6  | 76.0  |
| 206     | 16.8  | 12.8  | 19.2  |



#80  
Benzo(a)anthracene  
Concen: 36.67 ng  
RT: 21.06 min Scan# 1765  
Delta R.T. -0.00 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.5  | 22.1  | 33.1  |
| 229     | 18.6  | 15.5  | 23.3  |

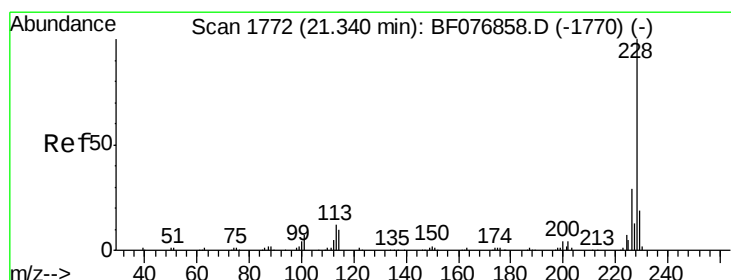
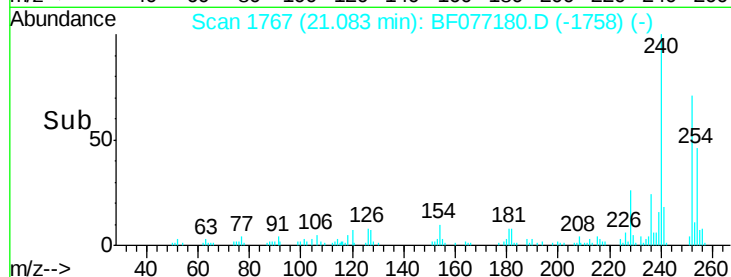
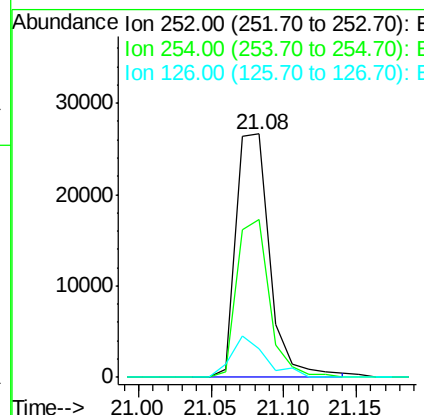
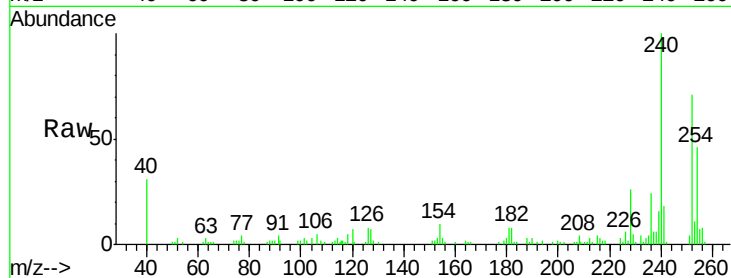




#81  
 3,3'-Dichlorobenzidine  
 Concen: 24.12 ng  
 RT: 21.08 min Scan# 1767  
 Delta R.T. -0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

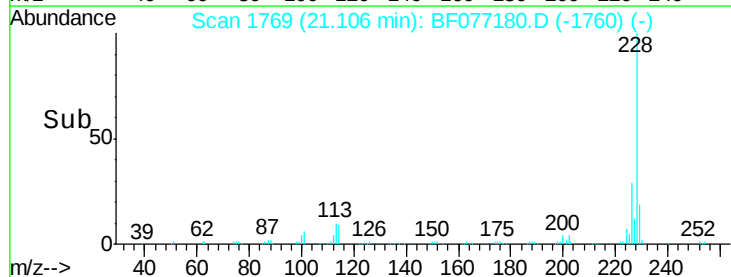
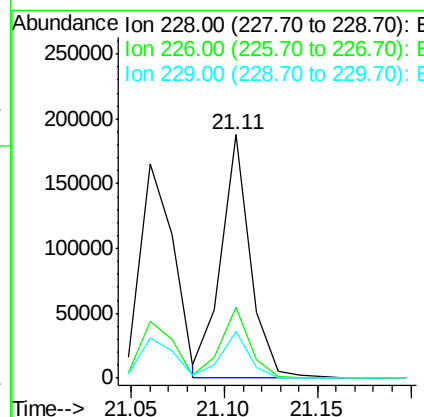
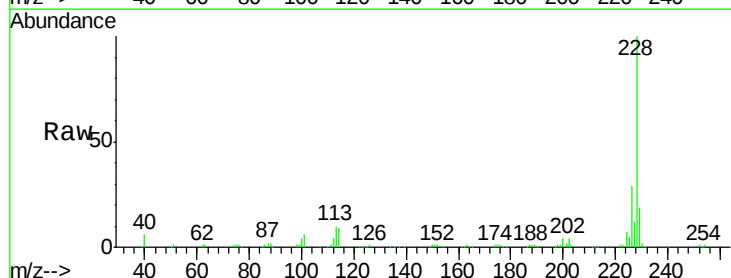
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81600BSD

Tot Ion:252 Resp: 43323  
 Ion Ratio Lower Upper  
 252 100  
 254 65.0 50.2 75.4  
 126 11.5 11.5 17.3



#82  
 Chrysene  
 Concen: 39.61 ng  
 RT: 21.11 min Scan# 1769  
 Delta R.T. 0.00 min  
 Lab File: BF077180.D  
 Acq: 4 Feb 2015 16:16

Tgt Ion:228 Resp: 204156  
 Ion Ratio Lower Upper  
 228 100  
 226 29.3 23.4 35.0  
 229 19.2 15.4 23.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.31 ng

RT: 21.22 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

Instrument :

BNA\_F

ClientSampleId :

PB81600BSD

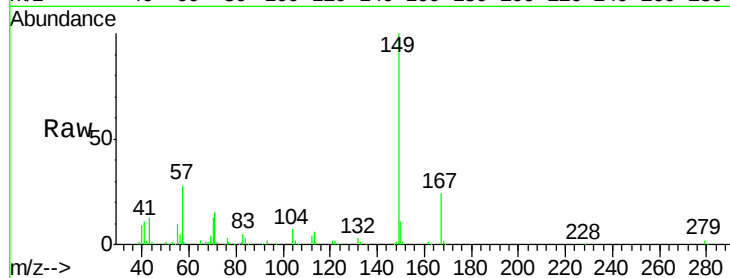
Tot Ion:149 Resp: 163662

Ion Ratio Lower Upper

149 100

167 24.4 20.6 30.8

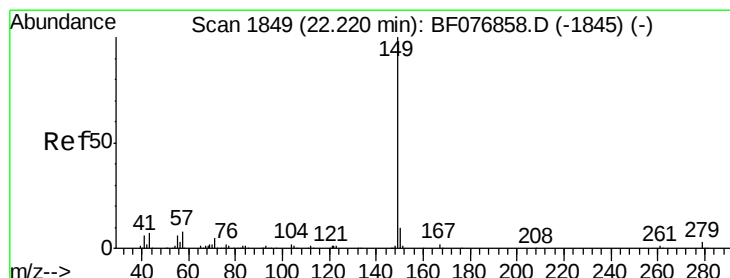
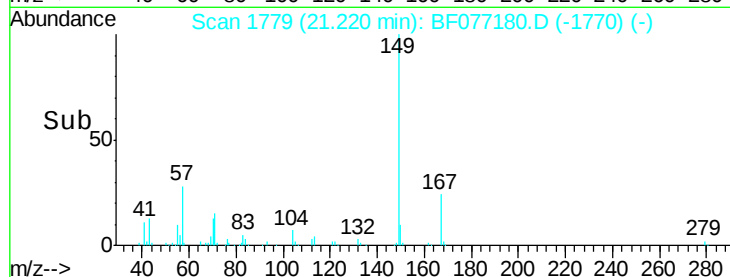
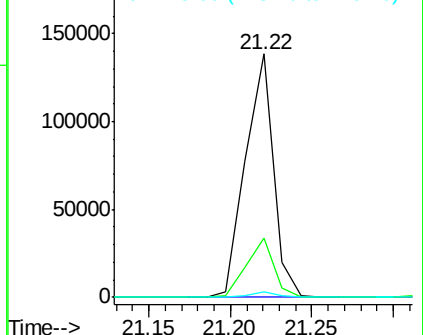
279 2.2 2.2 3.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 41.13 ng

RT: 21.99 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF077180.D

Acq: 4 Feb 2015 16:16

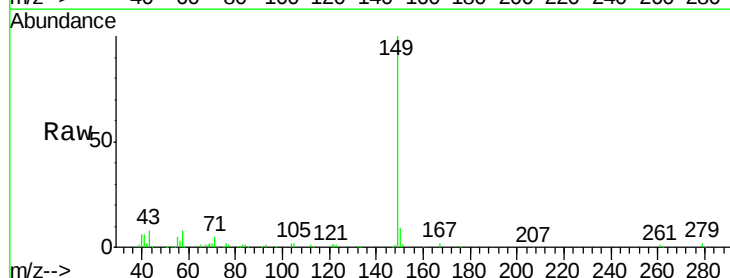
Tgt Ion:149 Resp: 276093

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

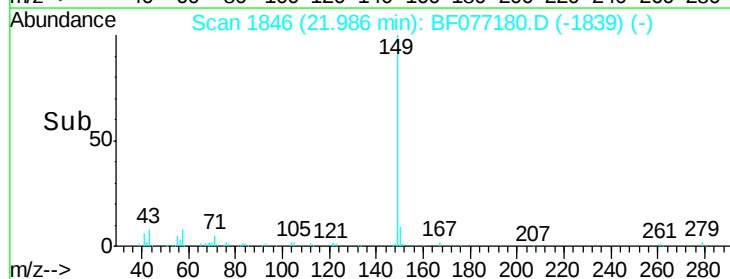
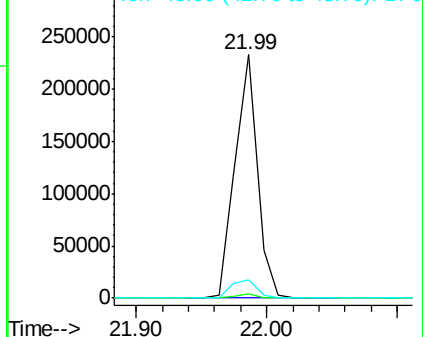
43 8.8 6.6 10.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

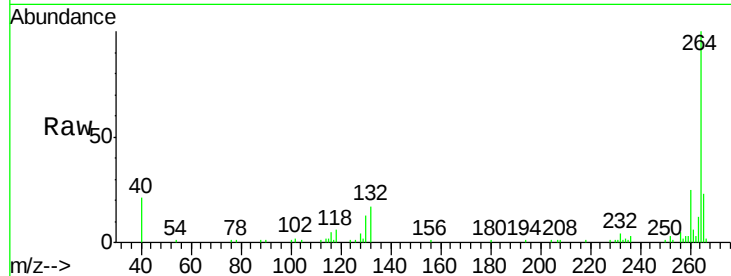




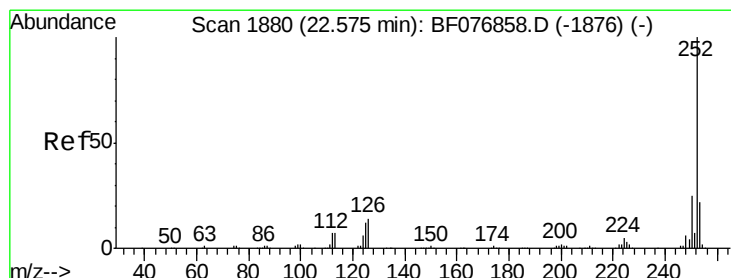
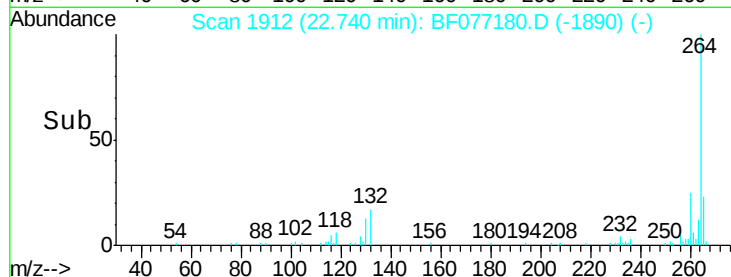
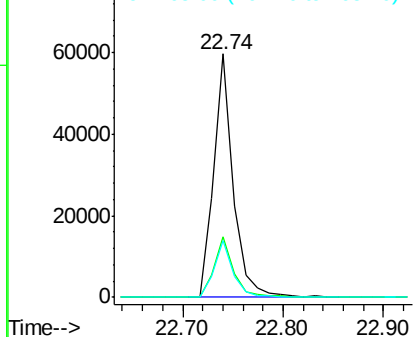
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 22.74 min Scan# 1912  
Delta R.T. -0.05 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

Tot Ion:264 Resp: 80055  
Ion Ratio Lower Upper  
264 100  
260 24.7 19.0 28.4  
265 23.3 18.1 27.1

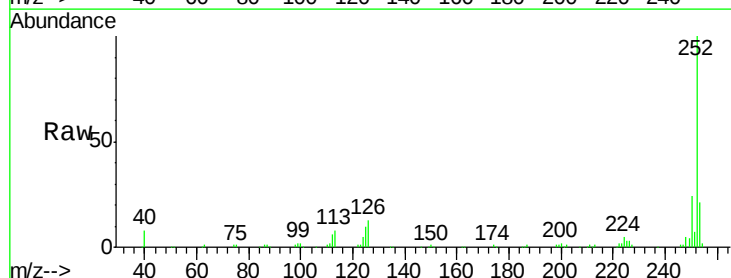


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

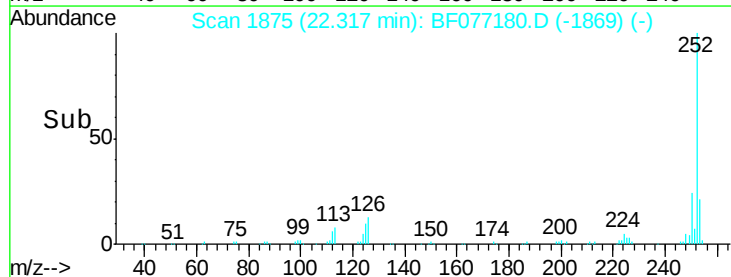
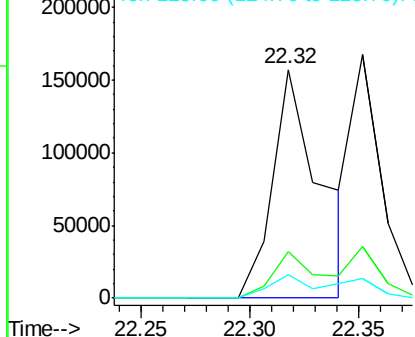


#87  
Benzo(b)fluoranthene  
Concen: 44.53 ng  
RT: 22.32 min Scan# 1875  
Delta R.T. -0.03 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion:252 Resp: 240118  
Ion Ratio Lower Upper  
252 100  
253 20.6 17.5 26.3  
125 10.1 9.4 14.0



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

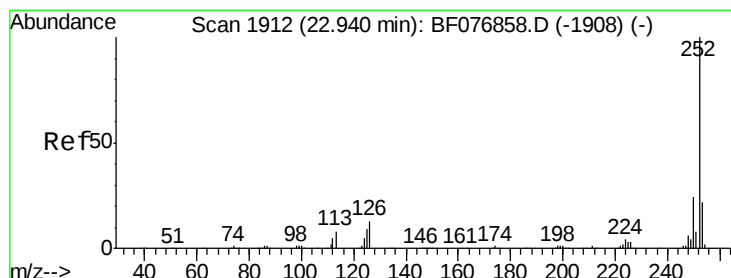
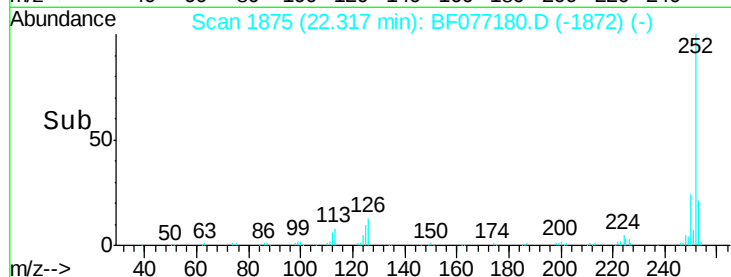
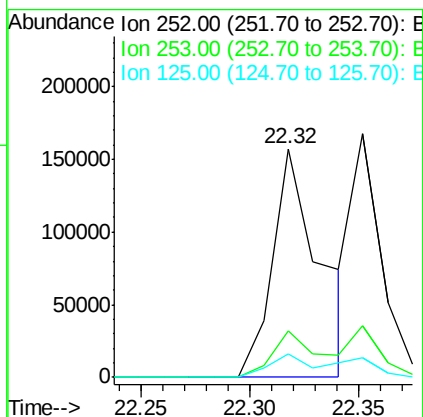
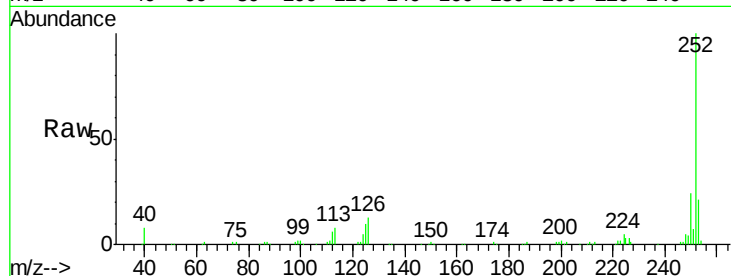




#88  
Benzo(k)fluoranthene  
Concen: 50.97 ng  
RT: 22.32 min Scan# 1875  
Delta R.T. -0.07 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

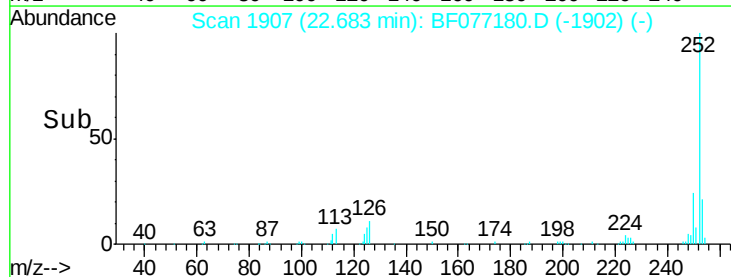
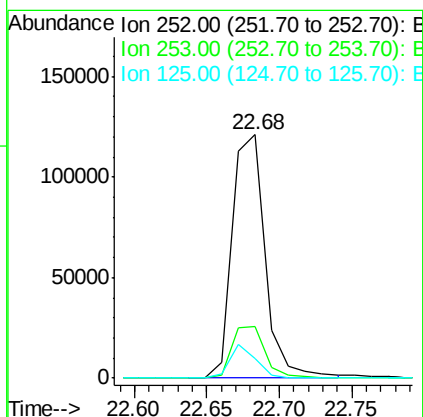
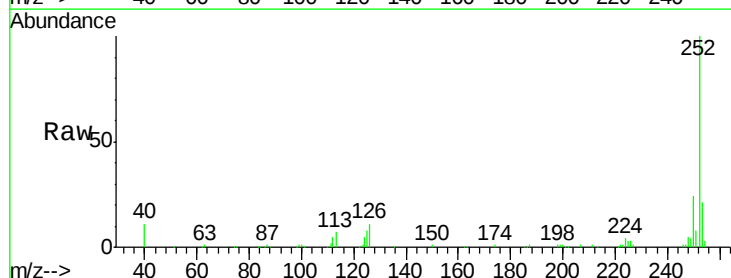
Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

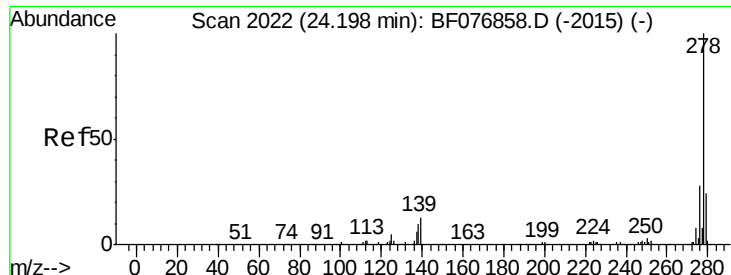
Tot Ion:252 Resp: 240118  
Ion Ratio Lower Upper  
252 100  
253 20.6 17.2 25.8  
125 10.1 7.1 10.7



#89  
Benzo(a)pyrene  
Concen: 40.15 ng  
RT: 22.68 min Scan# 1907  
Delta R.T. -0.05 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion:252 Resp: 190933  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.9 26.9  
125 8.2 7.2 10.8



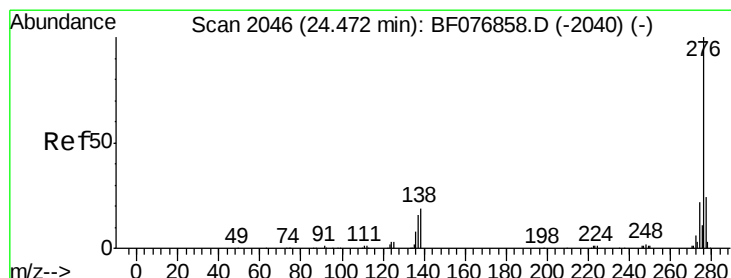
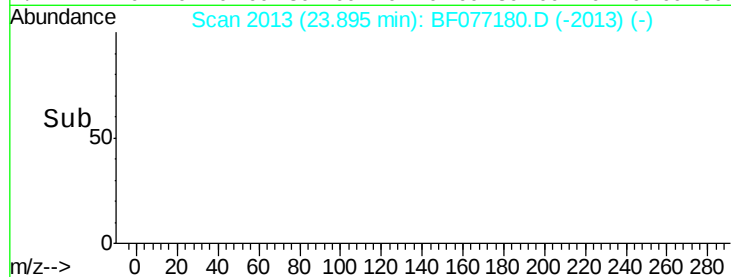
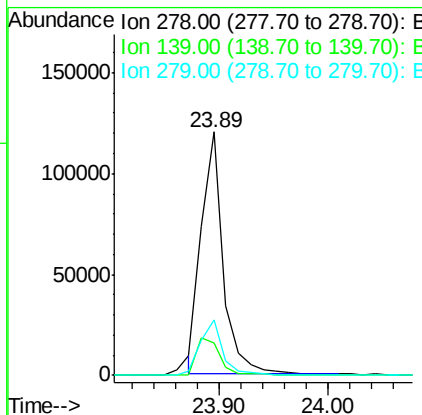
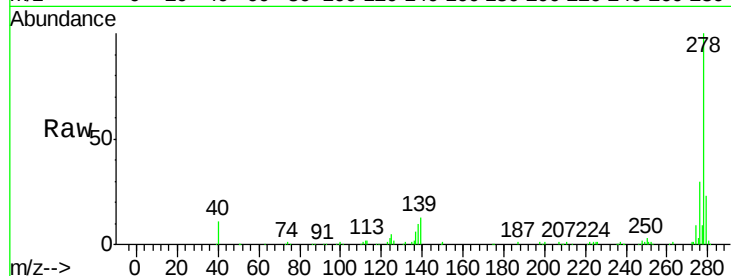


#90  
Dibenzo(a,h)anthracene  
Concen: 38.68 ng  
RT: 23.89 min Scan# 2013  
Delta R.T. -0.10 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Instrument :  
BNA\_F  
ClientSampleId :  
PB81600BSD

Tot Ion:278 Resp: 168775  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 13.3  | 10.5  | 15.7  |
| 279 | 22.5  | 19.3  | 28.9  |



#91  
Benzo(g,h,i)perylene  
Concen: 39.82 ng  
RT: 24.13 min Scan# 2034  
Delta R.T. -0.10 min  
Lab File: BF077180.D  
Acq: 4 Feb 2015 16:16

Tgt Ion:276 Resp: 172732  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.0  | 19.5  | 29.3  |
| 138 | 25.7  | 15.0  | 22.6  |

