

Data Path : Z:\HPCHEM1\BNA F\Data\BF020615\  
 Data File : BF077216.D  
 Acq On : 6 Feb 2015 23:12  
 Operator : TP/IZ  
 Sample : PB81602BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81602BS

Quant Time: Feb 07 00:59:36 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Feb 07 00:48:38 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 25210    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.56 | 136  | 108397   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.67 | 164  | 53639    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.54 | 188  | 105100   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.05 | 240  | 105423   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 22.69 | 264  | 88619    | 20.00 | ng    | -0.01    |

|                             |       |     |        |        |    |      |
|-----------------------------|-------|-----|--------|--------|----|------|
| System Monitoring Compounds |       |     |        |        |    |      |
| 5) 2-Fluorophenol           | 4.66  | 112 | 167268 | 109.09 | ng | 0.00 |
| 7) Phenol-d6                | 7.06  | 99  | 209611 | 108.37 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 8.96  | 82  | 132405 | 67.67  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 16.42 | 330 | 51503  | 118.29 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 13.21 | 172 | 274506 | 77.88  | ng | 0.00 |
| 78) Terphenyl-d14           | 19.79 | 244 | 306231 | 66.87  | ng | 0.00 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 1.09  | 88  | 20461  | 31.16 | ng | # 78   |
| 3) Pyridine                    | 1.54  | 79  | 49174  | 28.94 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 1.49  | 42  | 31449  | 37.37 | ng | 96     |
| 6) Aniline                     | 6.93  | 93  | 39030  | 14.58 | ng | 96     |
| 8) 2-Chlorophenol              | 7.17  | 128 | 61777  | 34.95 | ng | 93     |
| 10) Phenol                     | 7.09  | 94  | 62201  | 30.28 | ng | 94     |
| 11) bis(2-Chloroethyl)ether    | 7.18  | 93  | 55879  | 34.77 | ng | # 86   |
| 12) 1,3-Dichlorobenzene        | 7.48  | 146 | 64663  | 32.15 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 7.68  | 146 | 64122  | 30.07 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.00  | 146 | 63894  | 32.52 | ng | 95     |
| 15) Benzyl Alcohol             | 8.10  | 79  | 49221  | 31.45 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.44  | 45  | 71826  | 33.25 | ng | 76     |
| 17) 2-Methylphenol             | 8.45  | 107 | 45886  | 31.76 | ng | 99     |
| 18) Hexachloroethane           | 8.74  | 117 | 25196  | 33.97 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.73  | 70  | 42936  | 31.71 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.84  | 107 | 53586  | 28.02 | ng | 92     |
| 22) Acetophenone               | 8.65  | 105 | 86913  | 32.74 | ng | 99     |
| 24) Nitrobenzene               | 8.99  | 77  | 60479  | 30.34 | ng | 95     |
| 25) Isophorone                 | 9.60  | 82  | 115565 | 32.43 | ng | 98     |
| 26) 2-Nitrophenol              | 9.73  | 139 | 28532  | 28.69 | ng | # 85   |
| 27) 2,4-Dimethylphenol         | 10.03 | 122 | 53722  | 34.85 | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 10.22 | 93  | 68934  | 34.04 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.35 | 162 | 44230  | 30.79 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.46 | 180 | 53023  | 33.23 | ng | 93     |
| 31) Naphthalene                | 10.60 | 128 | 176687 | 31.66 | ng | 97     |
| 32) Benzoic acid               | 10.43 | 122 | 7727   | 9.05  | ng | 98     |
| 33) 4-Chloroaniline            | 10.86 | 127 | 35184  | 15.60 | ng | 96     |
| 34) Hexachlorobutadiene        | 10.97 | 225 | 30045  | 31.74 | ng | 97     |
| 35) Caprolactam                | 11.71 | 113 | 10467  | 24.75 | ng | # 77   |
| 36) 4-Chloro-3-methylphenol    | 12.18 | 107 | 52104  | 31.68 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.26 | 142 | 127254 | 33.39 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.66 | 216 | 48391  | 36.49 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 12.64 | 237 | 44359  | 63.16 | ng | 98     |
| 42) 2,4,6-Trichlorophenol      | 13.03 | 196 | 31435  | 32.53 | ng | 95     |

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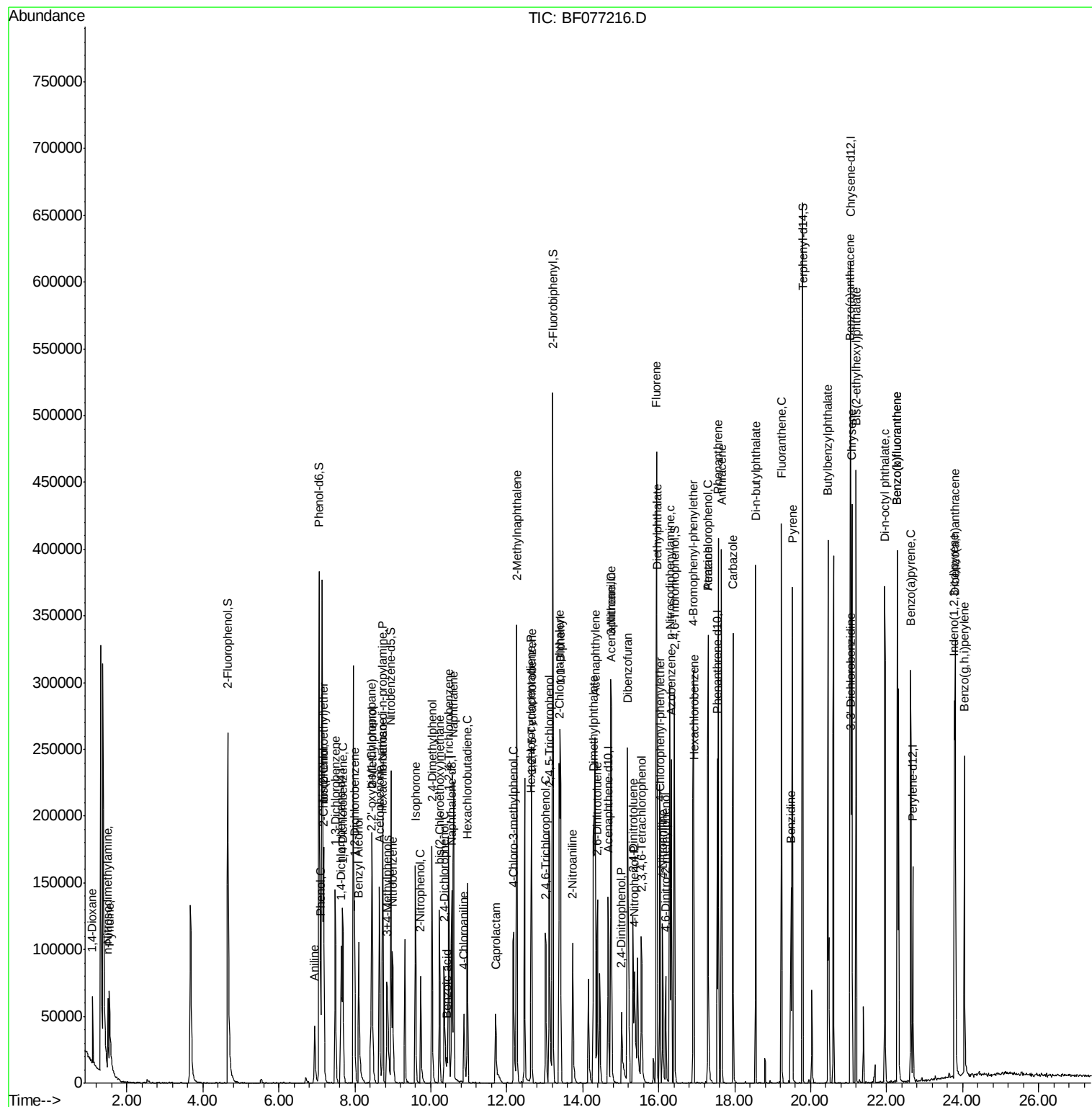
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 13.12 | 196  | 29109    | 29.54 | nq    | # 92     |
| 45) 1,1'-Biphenyl              | 13.40 | 154  | 148175   | 37.26 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 13.38 | 162  | 119713   | 36.58 | nq    | 96       |
| 47) 2-Nitroaniline             | 13.73 | 65   | 36278    | 36.55 | nq    | 96       |
| 48) Acenaphthylene             | 14.33 | 152  | 190829   | 34.57 | nq    | 97       |
| 49) Dimethylphthalate          | 14.29 | 163  | 144639   | 38.02 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.39 | 165  | 29641    | 39.00 | nq    | 96       |
| 51) Acenaphthene               | 14.75 | 154  | 107989   | 34.48 | nq    | 92       |
| 52) 3-Nitroaniline             | 14.74 | 138  | 22399    | 23.53 | nq    | 98       |
| 53) 2,4-Dinitrophenol          | 15.03 | 184  | 16502    | 51.22 | nq    | 89       |
| 54) Dibenzofuran               | 15.17 | 168  | 168924   | 37.03 | nq    | 97       |
| 55) 4-Nitrophenol              | 15.36 | 139  | 31102    | 52.16 | nq    | 94       |
| 56) 2,4-Dinitrotoluene         | 15.32 | 165  | 40974    | 36.49 | nq    | # 92     |
| 57) Fluorene                   | 15.94 | 166  | 139909   | 36.20 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.54 | 232  | 24541    | 34.20 | nq    | # 97     |
| 59) Diethylphthalate           | 15.95 | 149  | 153931   | 40.04 | nq    | 100      |
| 60) 4-Chlorophenyl-phenylether | 16.04 | 204  | 59640    | 37.72 | nq    | # 85     |
| 61) 4-Nitroaniline             | 16.10 | 138  | 27463    | 29.24 | nq    | 88       |
| 62) Azobenzene                 | 16.33 | 77   | 151146   | 37.73 | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 16.18 | 198  | 17160    | 26.96 | nq    | 83       |
| 65) n-Nitrosodiphenylamine     | 16.29 | 169  | 120385   | 32.12 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.91 | 248  | 34447    | 32.35 | nq    | # 86     |
| 67) Hexachlorobenzene          | 16.92 | 284  | 35711    | 31.83 | nq    | 96       |
| 68) Atrazine                   | 17.30 | 200  | 41147    | 36.18 | nq    | 93       |
| 69) Pentachlorophenol          | 17.30 | 266  | 23449    | 48.53 | nq    | 95       |
| 70) Phenanthrene               | 17.57 | 178  | 201944   | 30.81 | nq    | 98       |
| 71) Anthracene                 | 17.65 | 178  | 207162   | 32.41 | nq    | 99       |
| 72) Carbazole                  | 17.95 | 167  | 200227   | 32.30 | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.55 | 149  | 250884   | 34.96 | nq    | 98       |
| 74) Fluoranthene               | 19.23 | 202  | 210600   | 31.36 | nq    | 98       |
| 76) Benzidine                  | 19.48 | 184  | 86014    | 25.50 | nq    | 98       |
| 77) Pyrene                     | 19.52 | 202  | 230858   | 31.95 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.45 | 149  | 112901   | 34.50 | nq    | 94       |
| 80) Benzo(a)anthracene         | 21.04 | 228  | 205225   | 31.03 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.06 | 252  | 50630    | 24.09 | nq    | # 95     |
| 82) Chrysene                   | 21.08 | 228  | 190718   | 31.62 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 164418   | 36.32 | nq    | # 98     |
| 84) Di-n-octyl phthalate       | 21.95 | 149  | 280088   | 35.65 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 23.78 | 276  | 194698   | 30.46 | nq    | # 84     |
| 87) Benzo(b)fluoranthene       | 22.28 | 252  | 367808   | 61.62 | nq    | # 95     |
| 88) Benzo(k)fluoranthene       | 22.28 | 252  | 371936   | 71.33 | nq    | 98       |
| 89) Benzo(a)pyrene             | 22.63 | 252  | 179967   | 34.18 | nq    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 23.80 | 278  | 156601   | 32.42 | nq    | # 92     |
| 91) Benzo(q,h,i)perylene       | 24.04 | 276  | 162526   | 33.84 | nq    | # 89     |

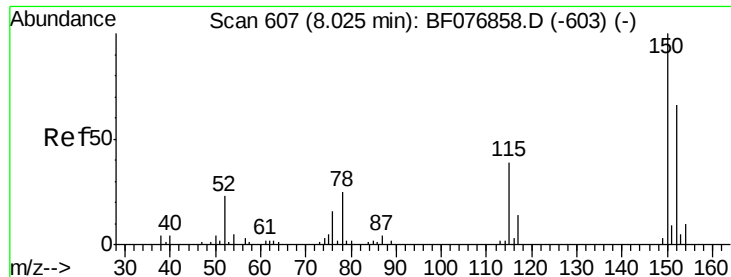
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.64 min Scan# 591

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

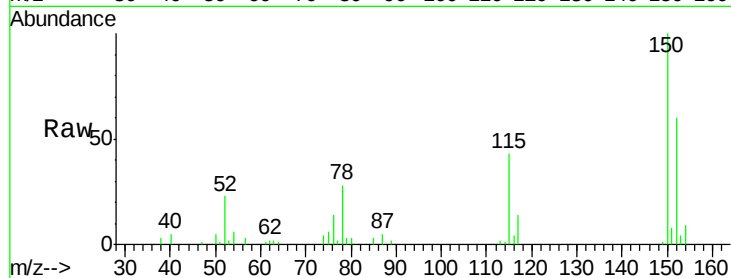
Tot Ion:152 Resp: 25210

Ion Ratio Lower Upper

152 100

150 166.1 121.7 182.5

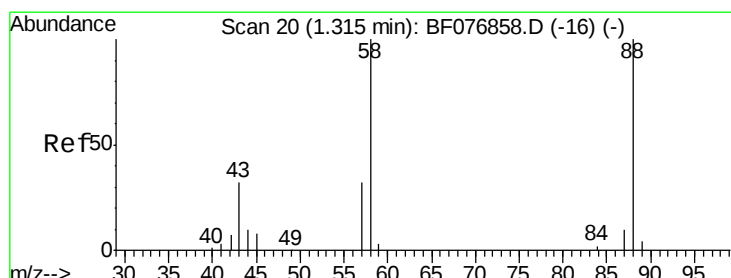
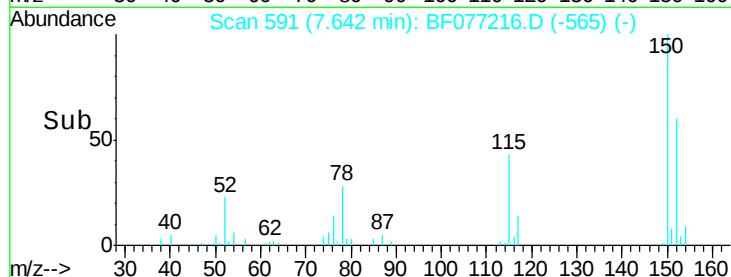
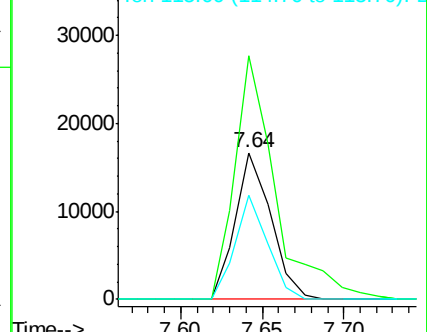
115 71.1 47.0 70.6#



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: 31.16 ng

RT: 1.09 min Scan# 18

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

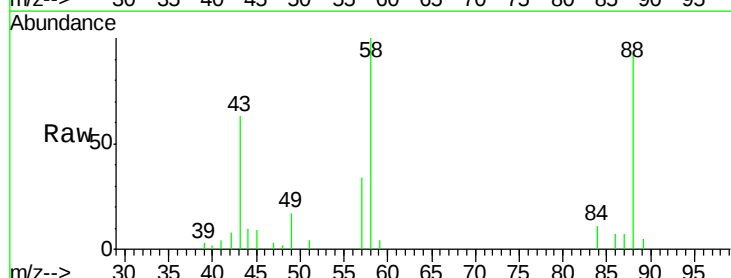
Tgt Ion: 88 Resp: 20461

Ion Ratio Lower Upper

88 100

58 105.4 77.0 115.4

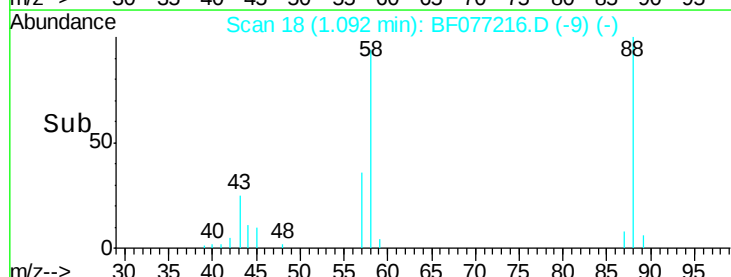
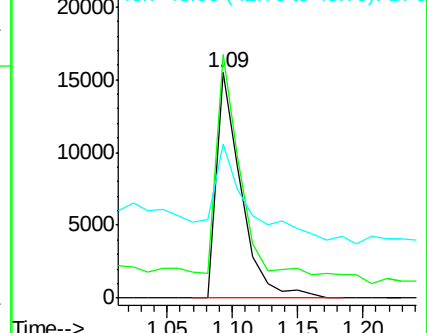
43 65.0 25.6 38.4#

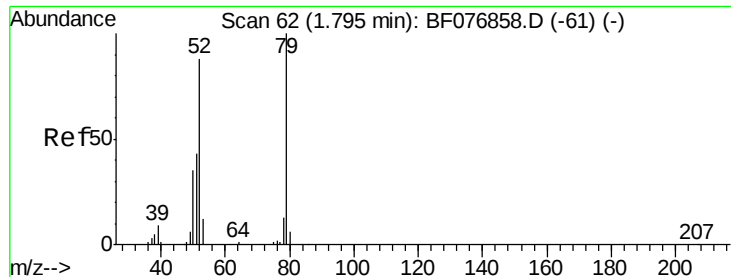


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 28.94 ng

RT: 1.54 min Scan# 57

Delta R.T. -0.01 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

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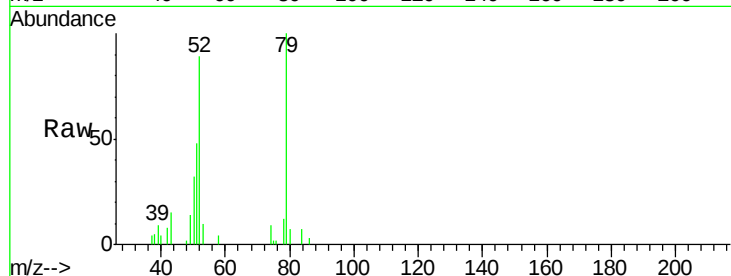
Tot Ion: 79 Resp: 49174

Ion Ratio Lower Upper

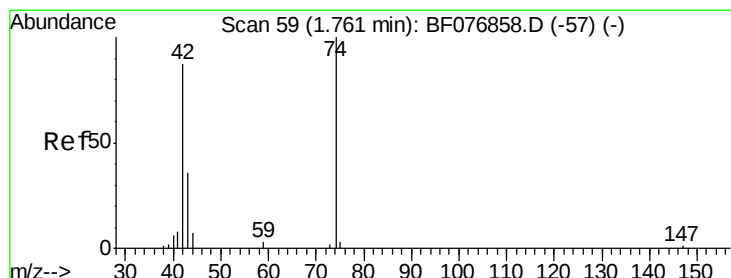
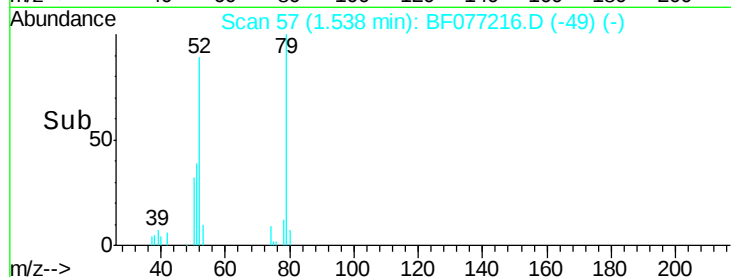
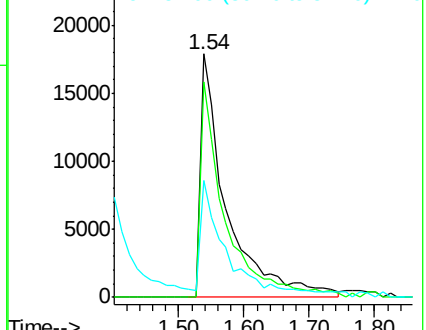
79 100

52 88.7 70.1 105.1

51 47.8 35.1 52.7



Abundance Ion 79.00 (78.70 to 79.70): BF0  
Ion 52.00 (51.70 to 52.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 37.37 ng

RT: 1.49 min Scan# 53

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

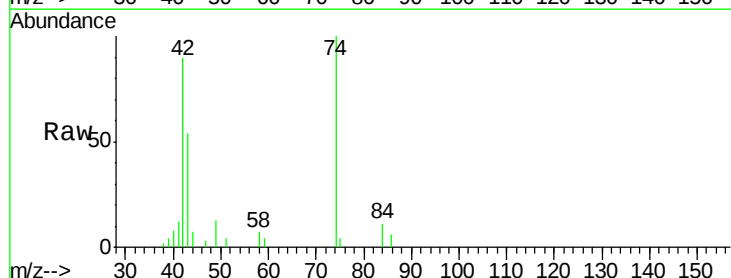
Tgt Ion: 42 Resp: 31449

Ion Ratio Lower Upper

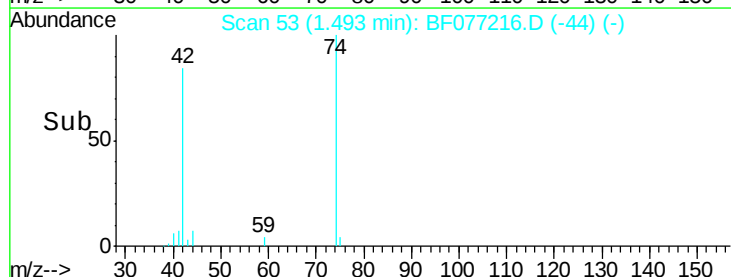
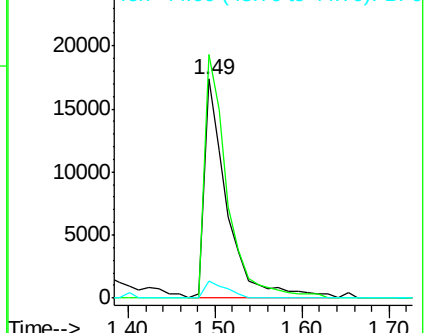
42 100

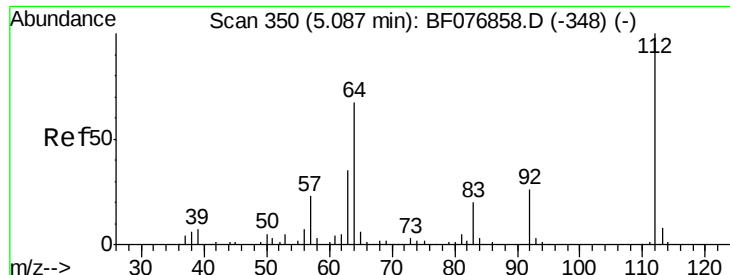
74 111.3 92.4 138.6

44 7.5 6.2 9.2



Abundance Ion 42.00 (41.70 to 42.70): BF0  
Ion 74.00 (73.70 to 74.70): BF0  
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 109.09 ng

RT: 4.66 min Scan# 330

Delta R.T. -0.00 min

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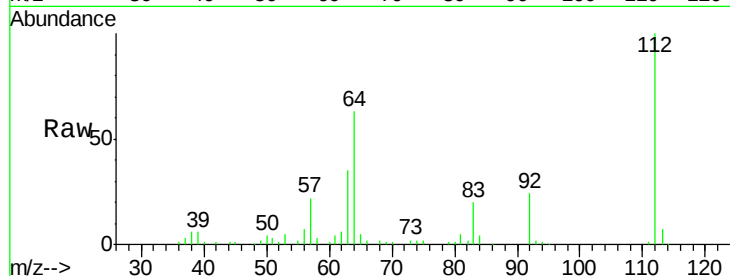
Tot Ion: 112 Resp: 167268

Ion Ratio Lower Upper

112 100

64 63.1 54.2 81.4

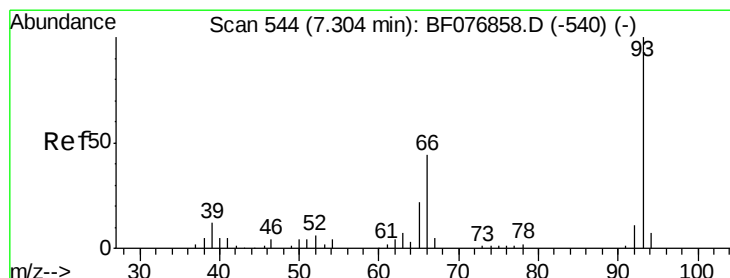
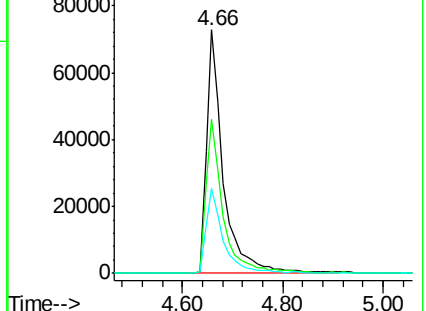
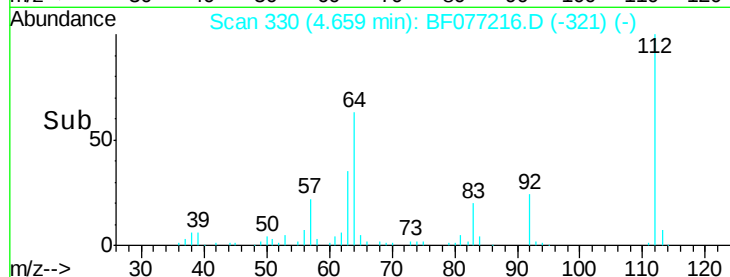
63 34.8 28.4 42.6



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: 14.58 ng

RT: 6.93 min Scan# 529

Delta R.T. -0.00 min

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Acq: 6 Feb 2015 23:12

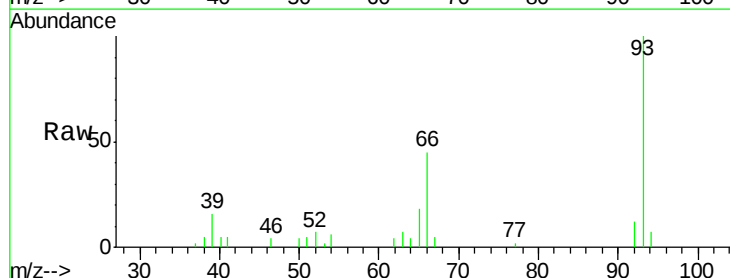
Tgt Ion: 93 Resp: 39030

Ion Ratio Lower Upper

93 100

66 44.5 35.0 52.4

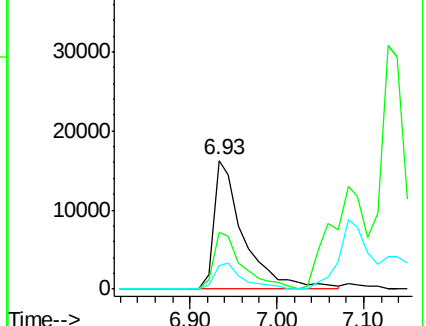
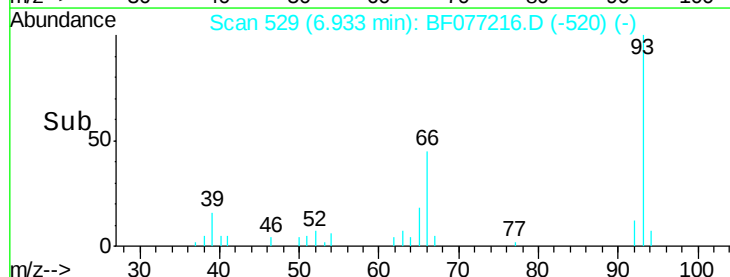
65 18.3 17.7 26.5

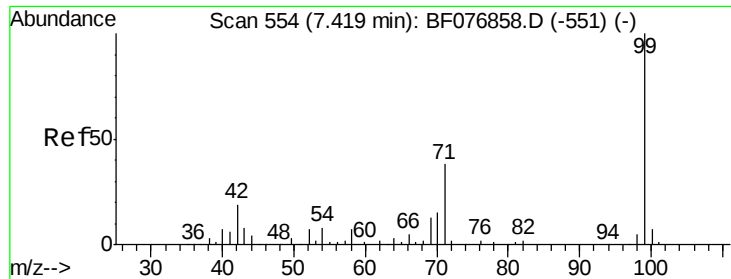


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 108.37 ng

RT: 7.06 min Scan# 540

Delta R.T. -0.00 min

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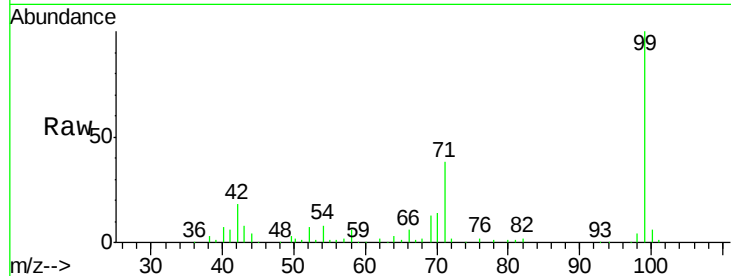
Tot Ion: 99 Resp: 209611

Ion Ratio Lower Upper

99 100

42 18.0 15.0 22.4

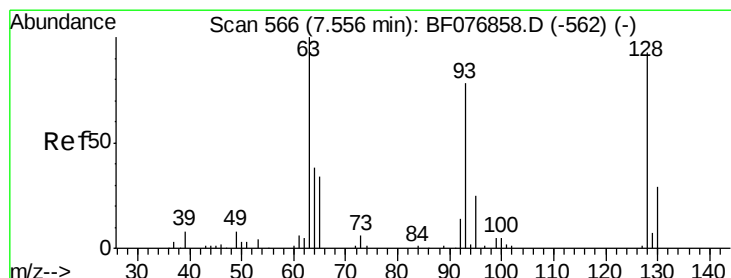
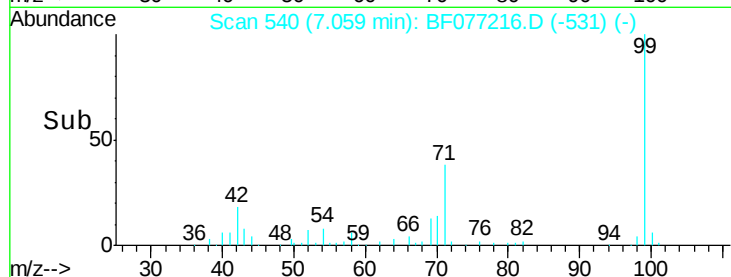
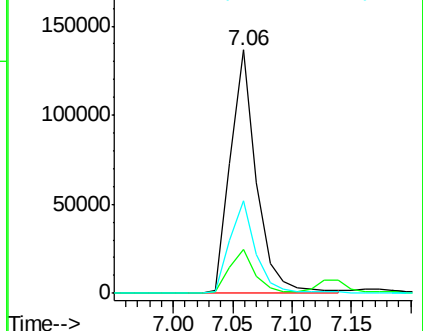
71 38.1 30.5 45.7



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: 34.95 ng

RT: 7.17 min Scan# 550

Delta R.T. -0.00 min

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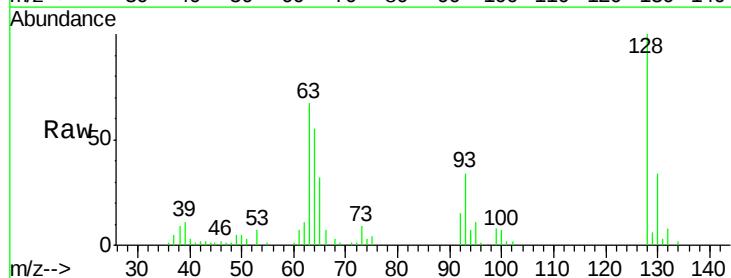
Tgt Ion: 128 Resp: 61777

Ion Ratio Lower Upper

128 100

130 33.8 11.0 51.0

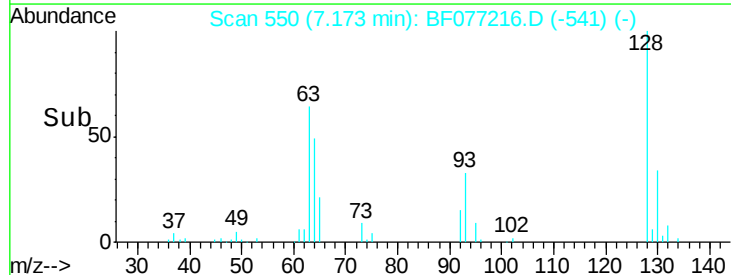
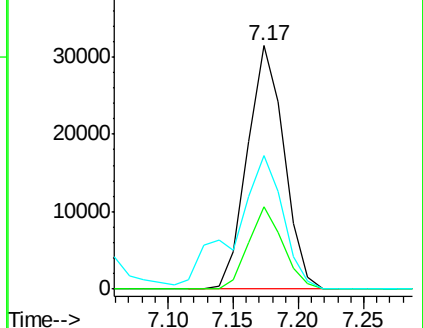
64 54.6 29.3 69.3

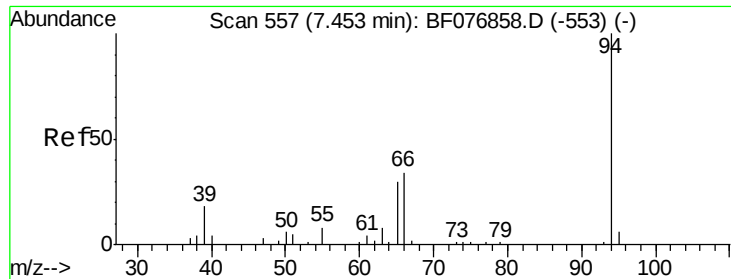


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 30.28 ng

RT: 7.09 min Scan# 543

Delta R.T. 0.01 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

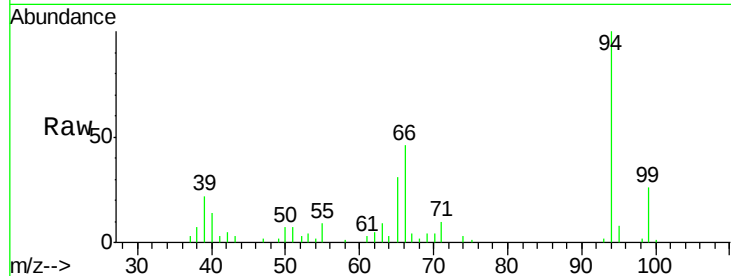
Tot Ion: 94 Resp: 62201

Ion Ratio Lower Upper

94 100

65 30.7 11.3 51.3

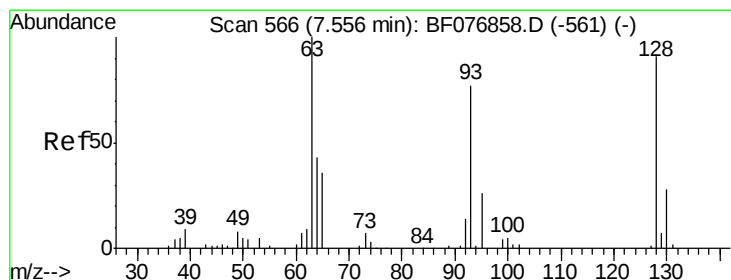
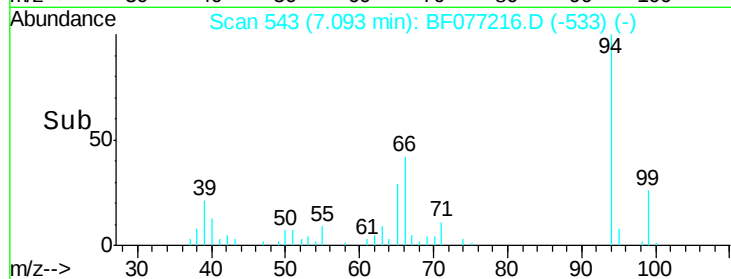
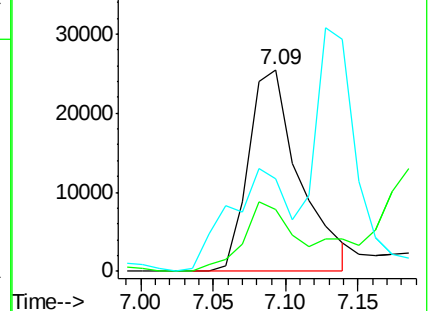
66 46.1 19.5 59.5



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 34.77 ng

RT: 7.18 min Scan# 551

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

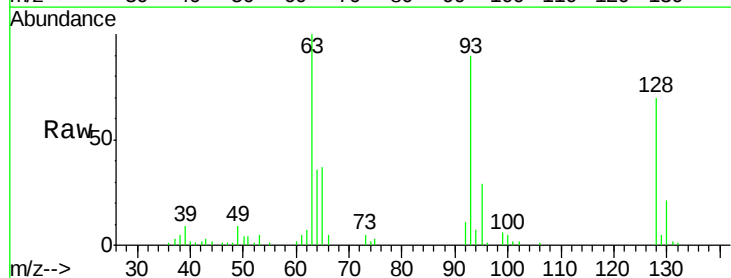
Tgt Ion: 93 Resp: 55879

Ion Ratio Lower Upper

93 100

63 111.3 111.3 151.3#

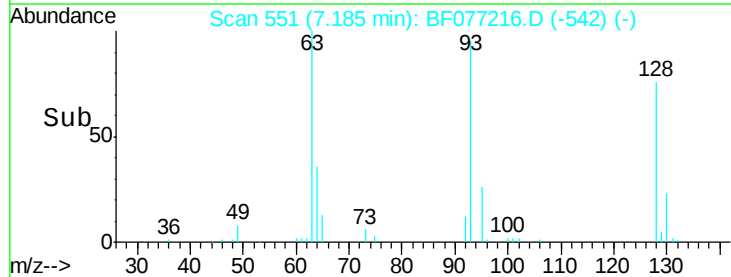
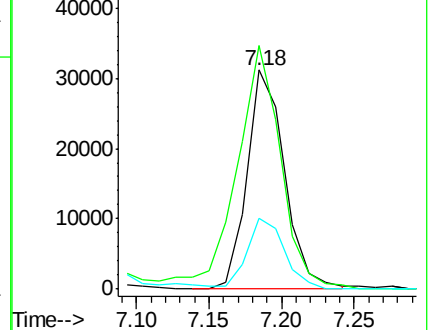
95 32.2 13.8 53.8

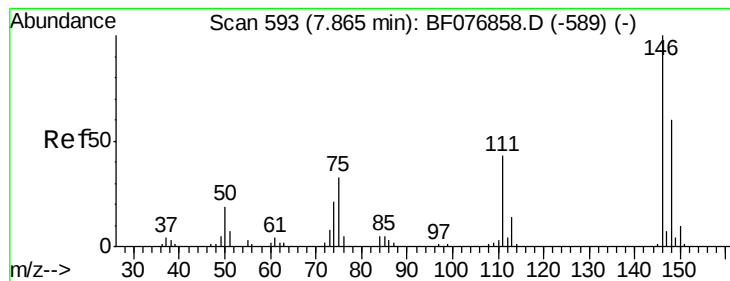


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 32.15 ng

RT: 7.48 min Scan# 577

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleID :

PB81602BS

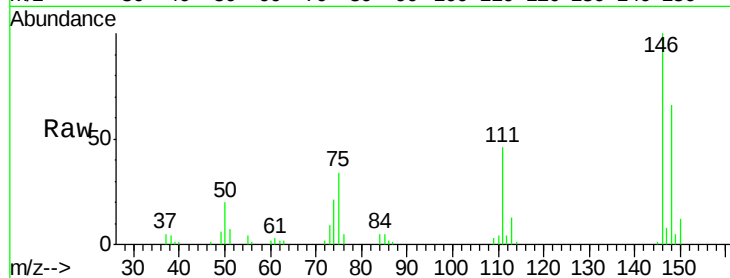
Tot Ion:146 Resp: 64663

Ion Ratio Lower Upper

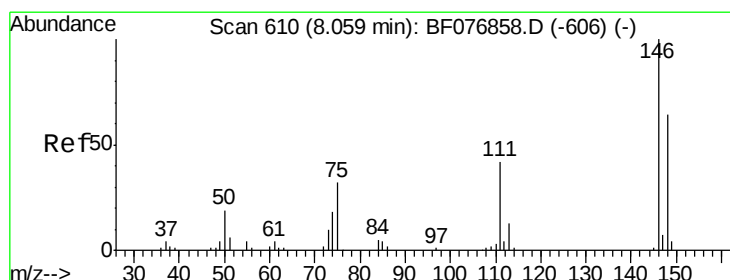
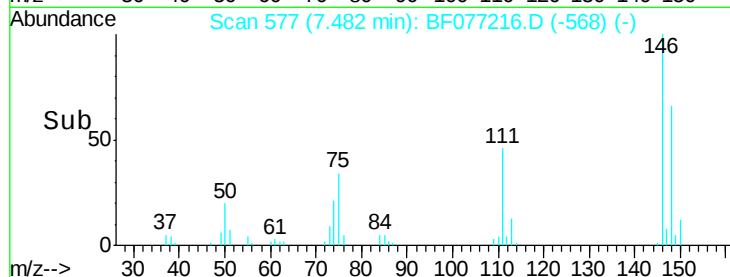
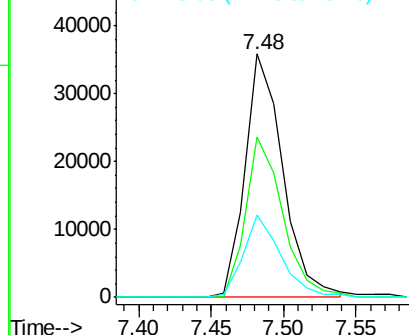
146 100

148 65.9 48.1 72.1

75 33.6 26.8 40.2



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 30.07 ng

RT: 7.68 min Scan# 594

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

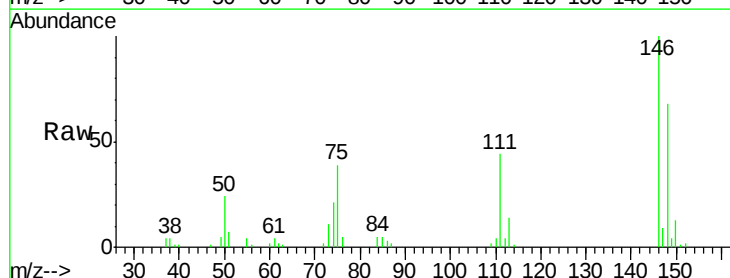
Tgt Ion:146 Resp: 64122

Ion Ratio Lower Upper

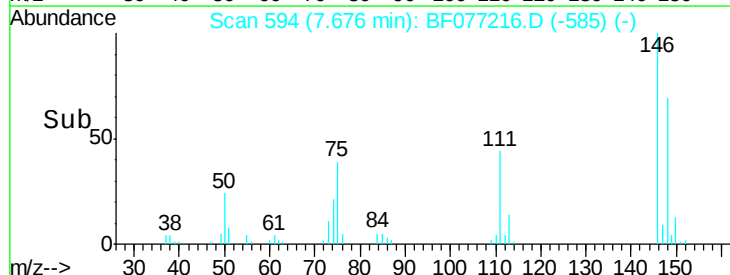
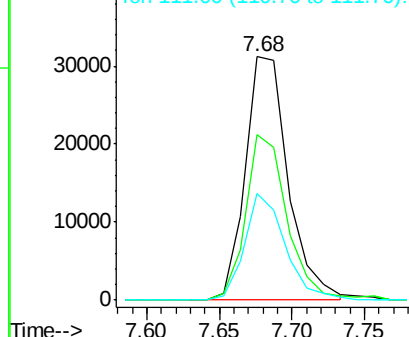
146 100

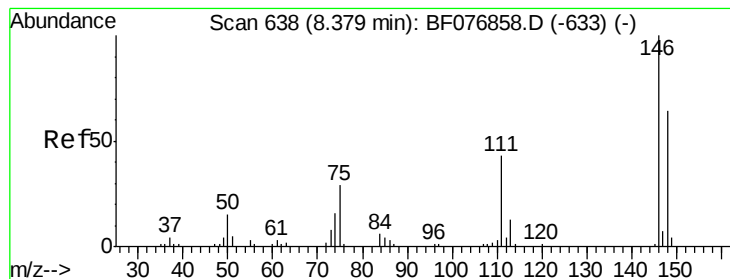
148 68.1 51.5 77.3

111 43.7 33.9 50.9



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 32.52 ng

RT: 8.00 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

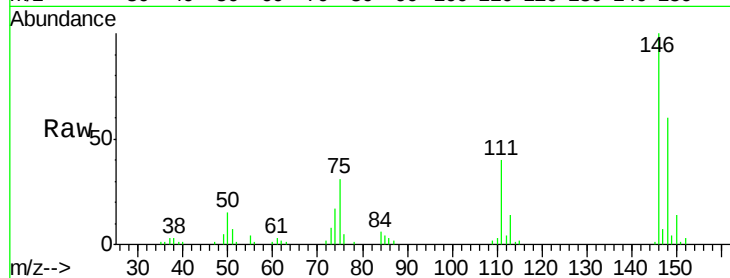
Tot Ion:146 Resp: 63894

Ion Ratio Lower Upper

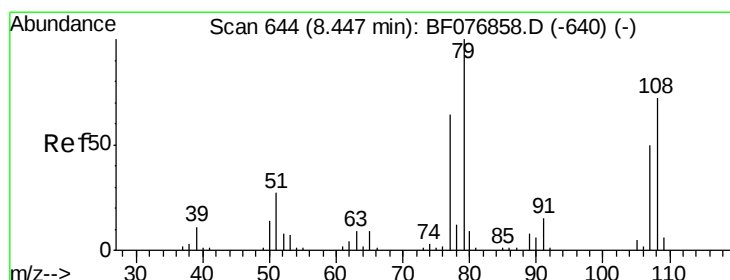
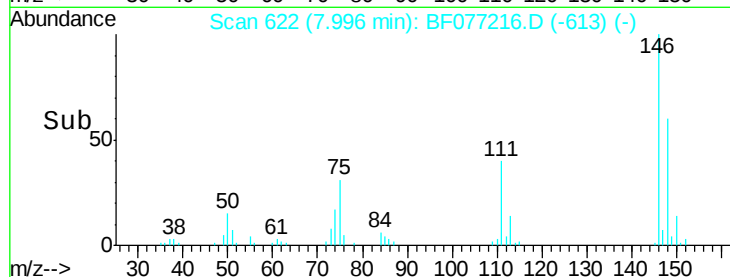
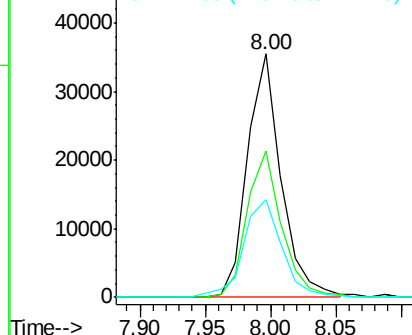
146 100

148 60.3 51.3 76.9

111 40.2 34.5 51.7



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 31.45 ng

RT: 8.10 min Scan# 631

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

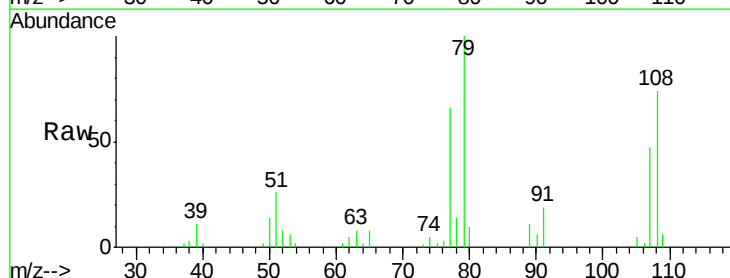
Tgt Ion: 79 Resp: 49221

Ion Ratio Lower Upper

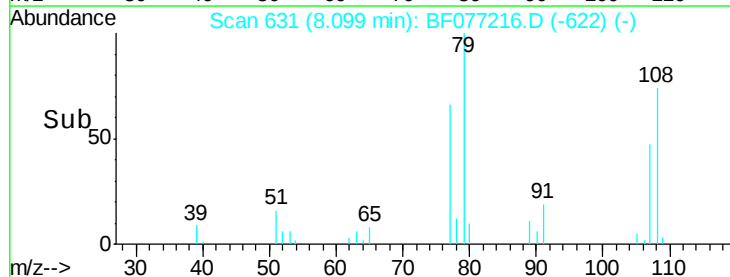
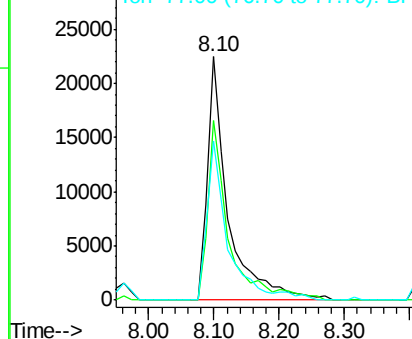
79 100

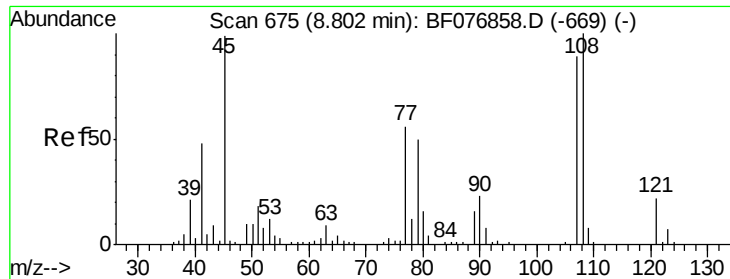
108 73.9 57.2 85.8

77 65.5 51.2 76.8



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

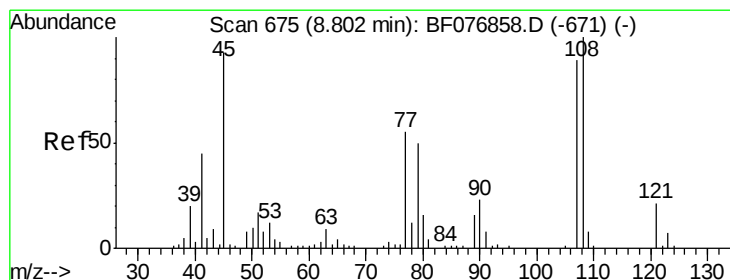
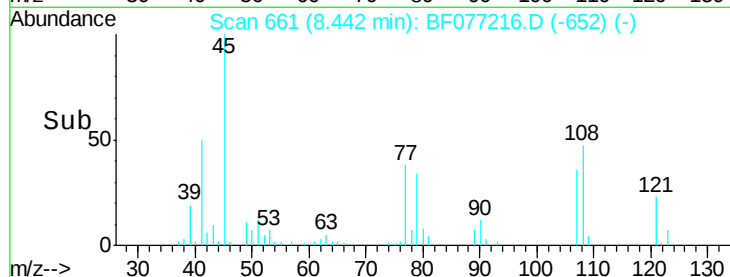
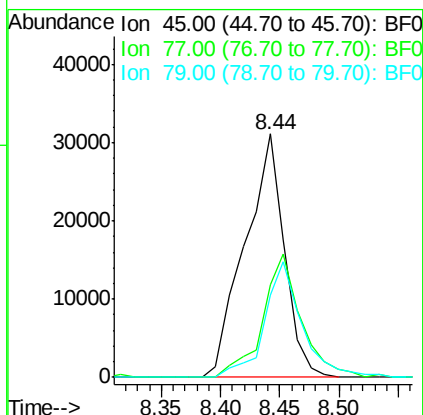
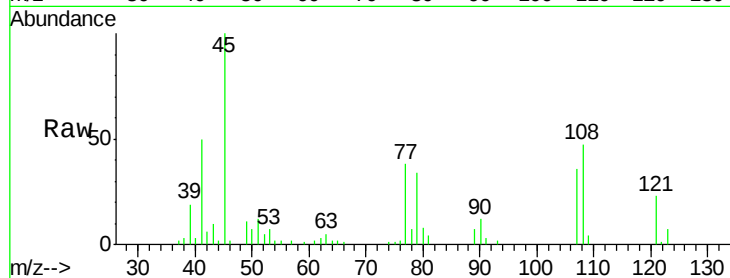




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 33.25 ng  
RT: 8.44 min Scan# 661  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

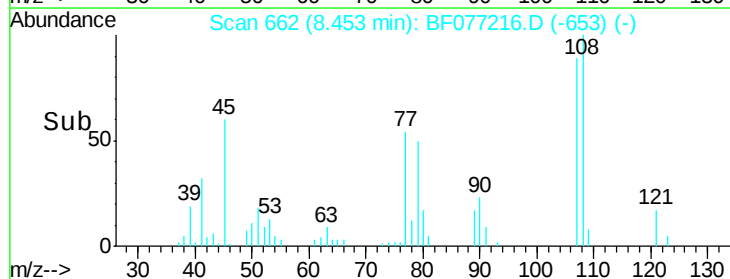
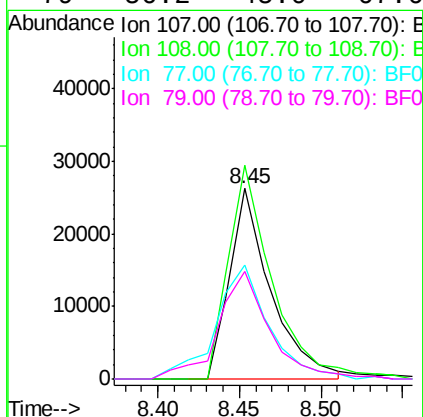
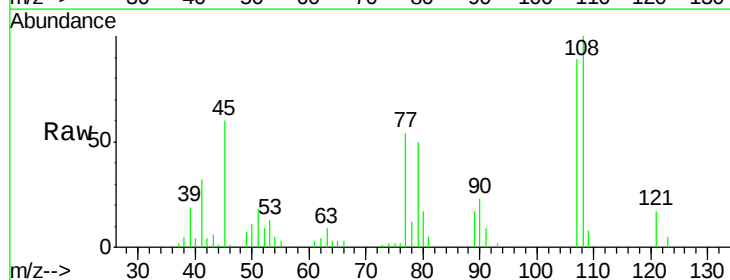
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

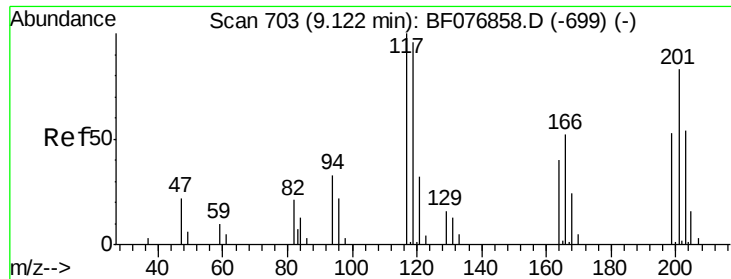
Tot Ion: 45 Resp: 71826  
Ion Ratio Lower Upper  
45 100  
77 38.1 36.1 76.1  
79 33.8 30.5 70.5



#17  
2-Methylphenol  
Concen: 31.76 ng  
RT: 8.45 min Scan# 662  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion: 107 Resp: 45886  
Ion Ratio Lower Upper  
107 100  
108 112.2 89.7 134.5  
77 60.1 50.1 75.1  
79 56.2 45.0 67.6

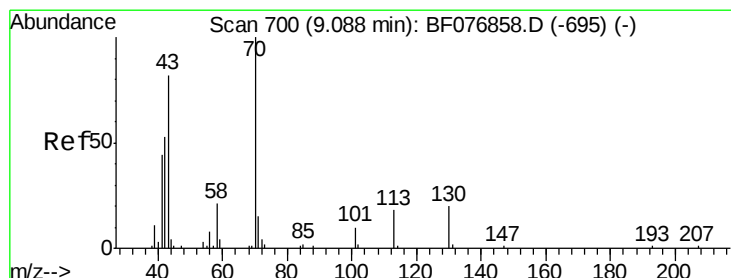
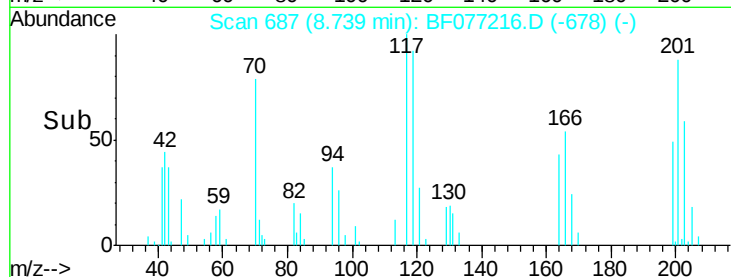
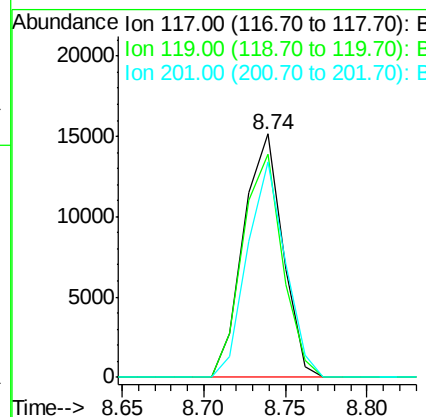
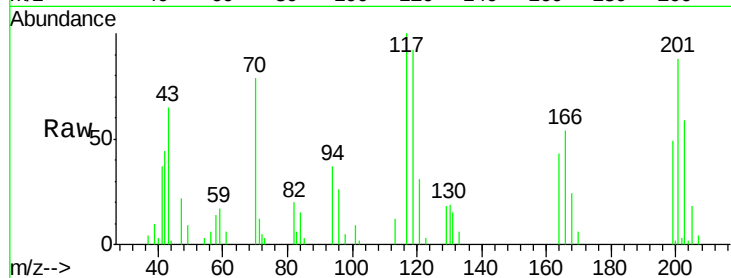




#18  
Hexachloroethane  
Concen: 33.97 ng  
RT: 8.74 min Scan# 687  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

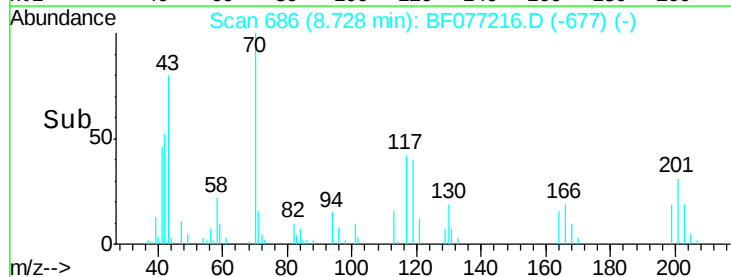
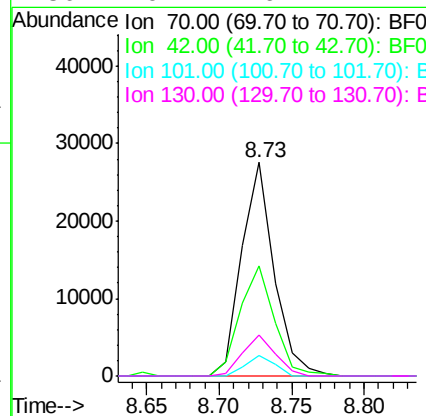
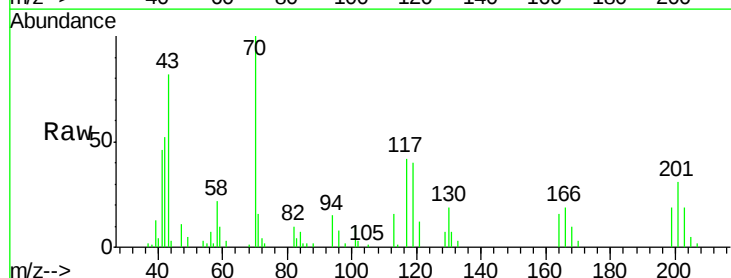
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

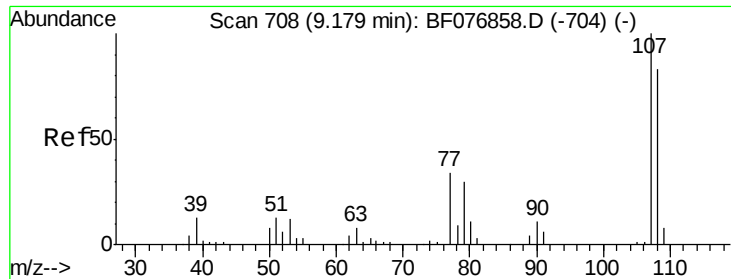
Tot Ion:117 Resp: 25196  
Ion Ratio Lower Upper  
117 100  
119 91.7 77.1 115.7  
201 91.7 66.8 100.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 31.71 ng  
RT: 8.73 min Scan# 686  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion: 70 Resp: 42936  
Ion Ratio Lower Upper  
70 100  
42 51.8 42.1 63.1  
101 9.8 7.8 11.8  
130 19.4 16.2 24.4

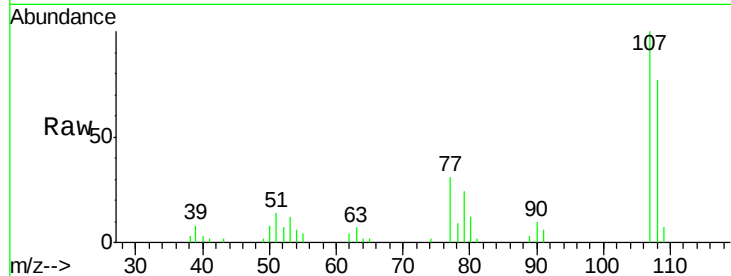




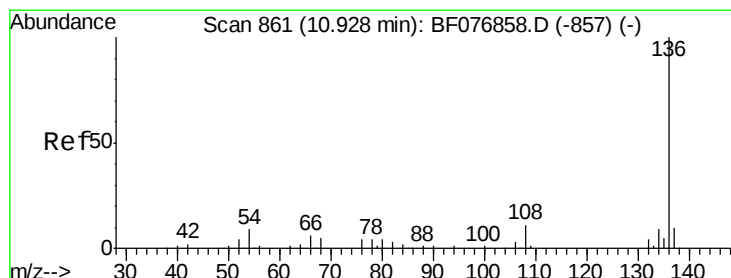
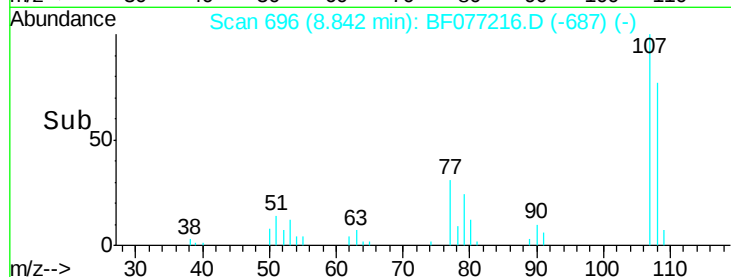
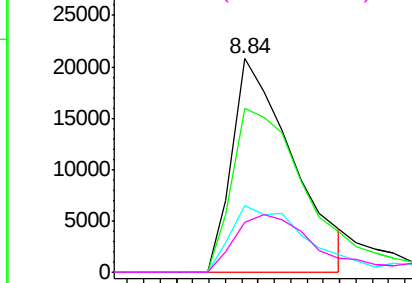
#20  
3+4-Methylphenols  
Concen: 28.02 ng  
RT: 8.84 min Scan# 696  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

|             |       |            |
|-------------|-------|------------|
| Tot Ion:107 | Resp: | 53586      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 108         | 77.0  | 63.5 103.5 |
| 77          | 31.4  | 14.0 54.0  |
| 79          | 23.6  | 9.9 49.9   |

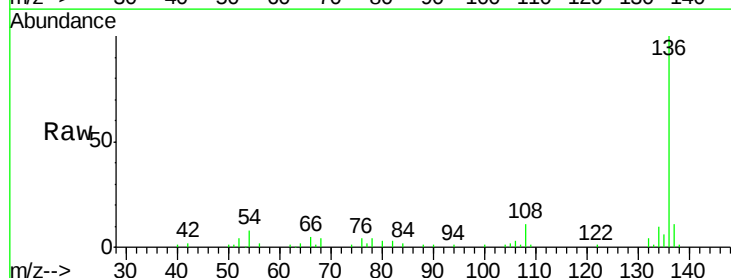


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

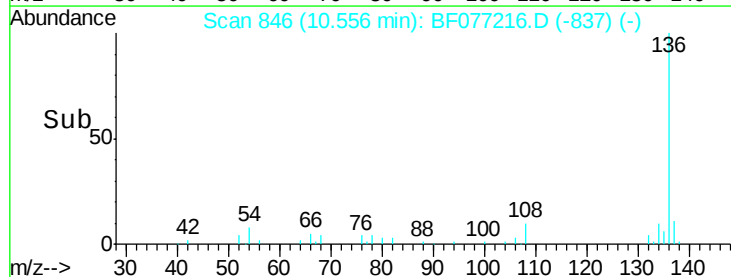
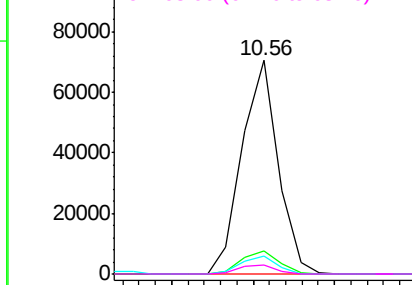


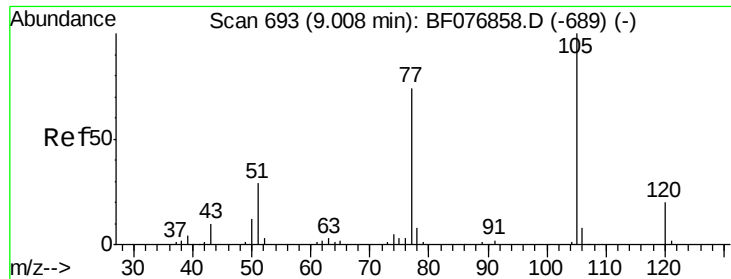
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.56 min Scan# 846  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 108397   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.7  | 8.1 12.1 |
| 54          | 8.3   | 7.0 10.4 |
| 68          | 4.3   | 3.7 5.5  |



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

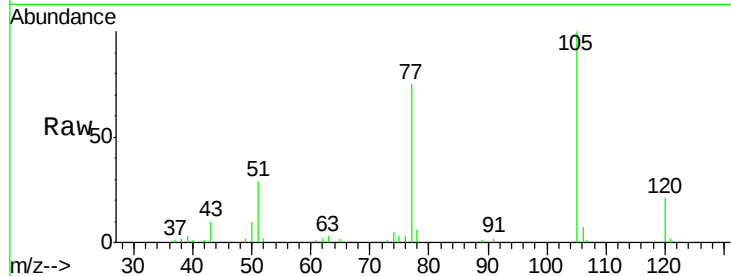




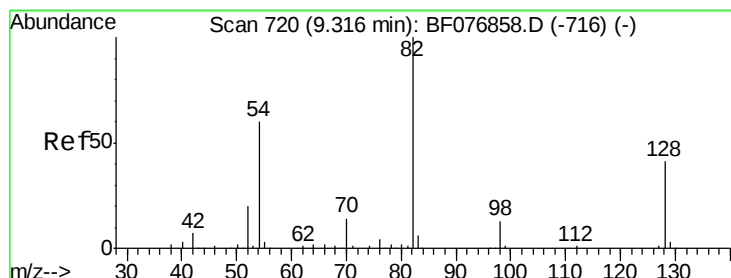
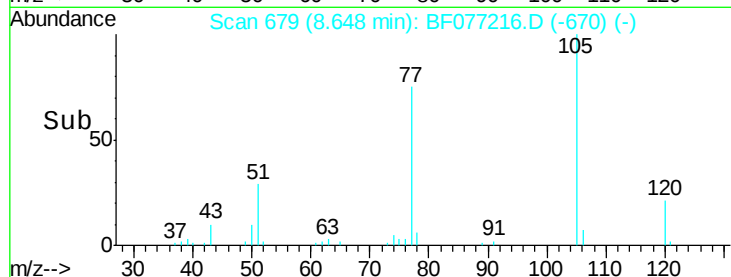
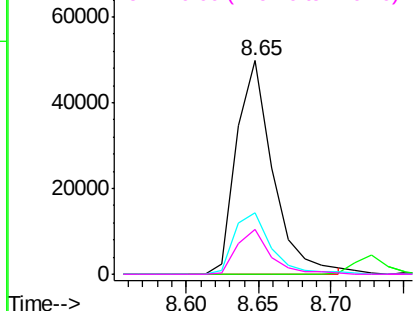
#22  
Acetophenone  
Concen: 32.74 ng  
RT: 8.65 min Scan# 679  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

Tot Ion:105 Resp: 86913  
Ion Ratio Lower Upper  
105 100  
71 0.0 0.0 0.0  
51 28.8 23.3 34.9  
120 21.0 16.1 24.1

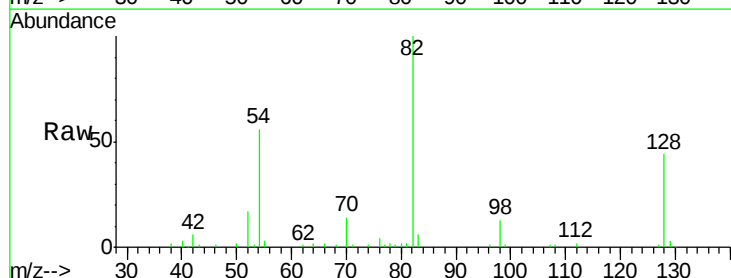


Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 120.00 (119.70 to 120.70): E

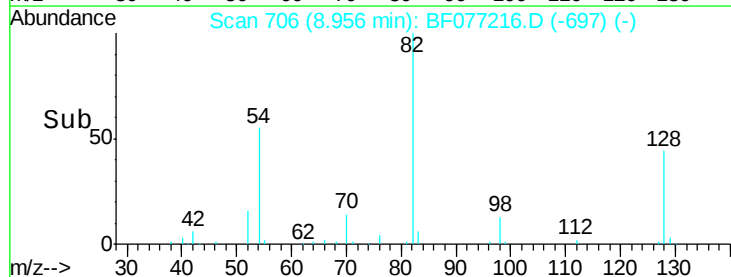
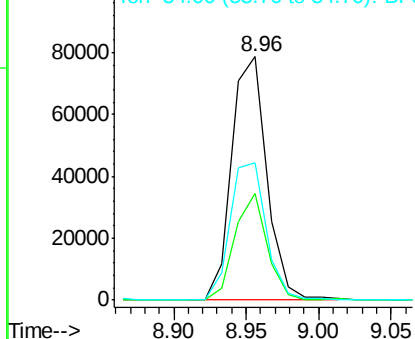


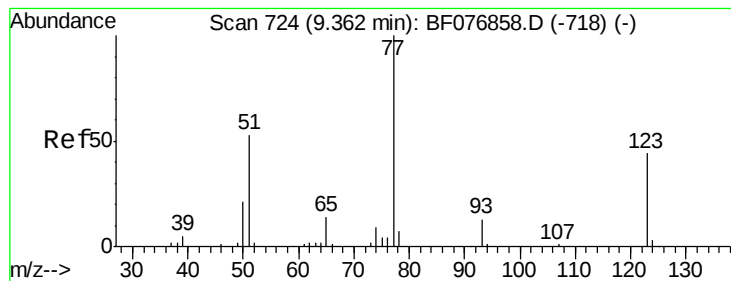
#23  
Nitrobenzene-d5  
Concen: 67.67 ng  
RT: 8.96 min Scan# 706  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion: 82 Resp: 132405  
Ion Ratio Lower Upper  
82 100  
128 43.6 33.1 49.7  
54 56.3 48.3 72.5



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





#24

Nitrobenzene

Concen: 30.34 ng

RT: 8.99 min Scan# 709

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

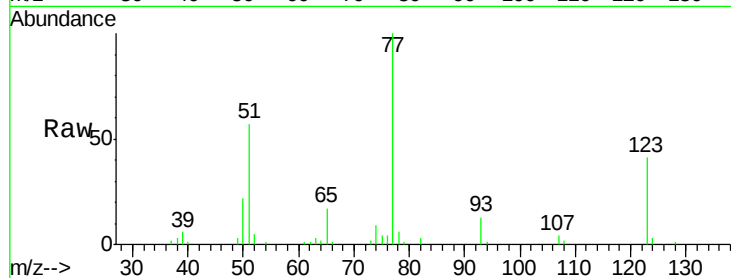
Tot Ion: 77 Resp: 60479

Ion Ratio Lower Upper

77 100

123 40.6 35.2 52.8

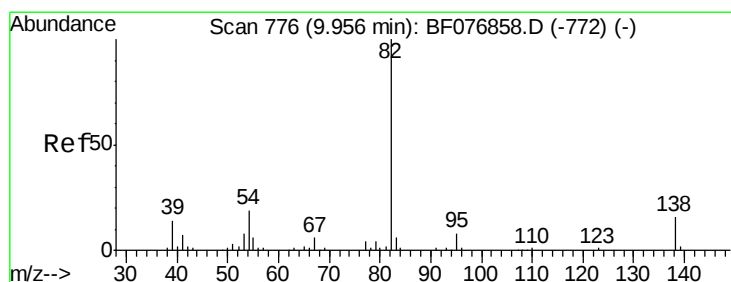
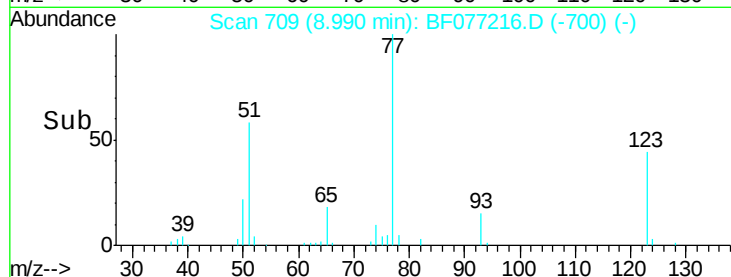
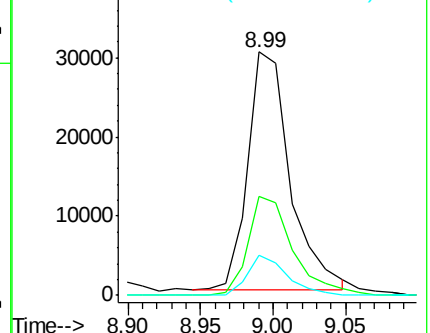
65 16.6 11.4 17.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 32.43 ng

RT: 9.60 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

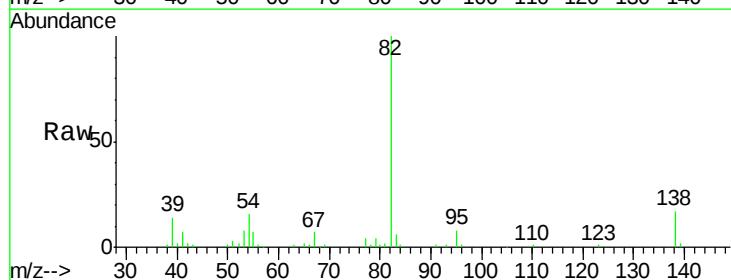
Tgt Ion: 82 Resp: 115565

Ion Ratio Lower Upper

82 100

95 7.8 6.6 10.0

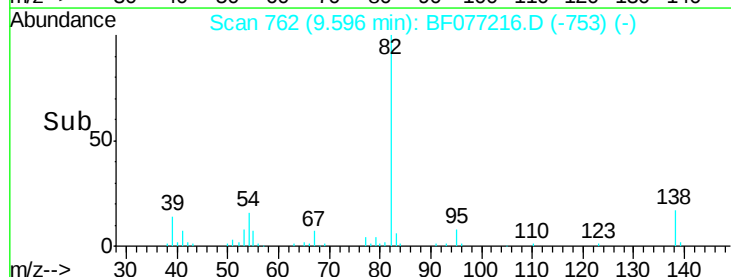
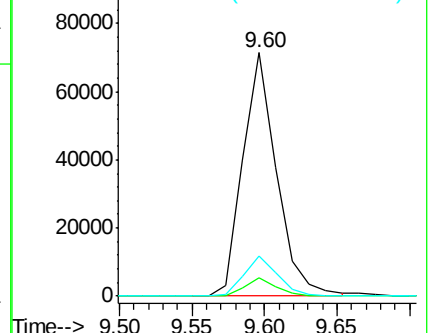
138 16.7 12.6 18.8

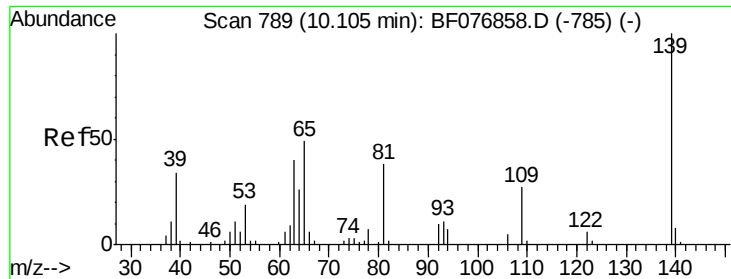


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

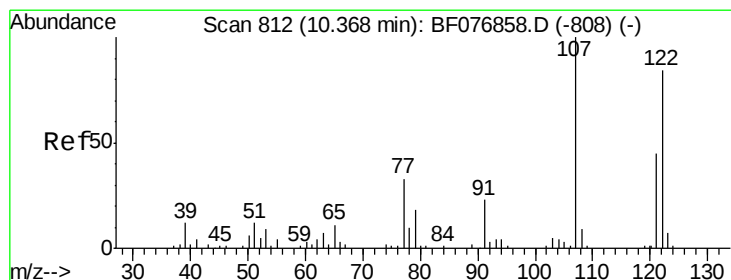
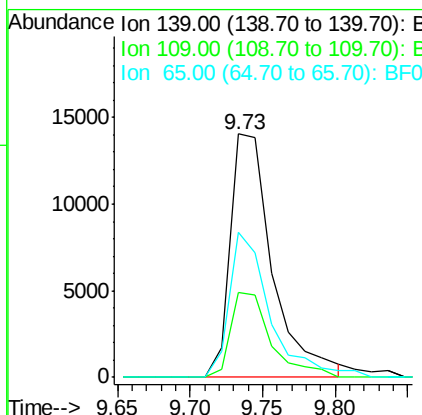
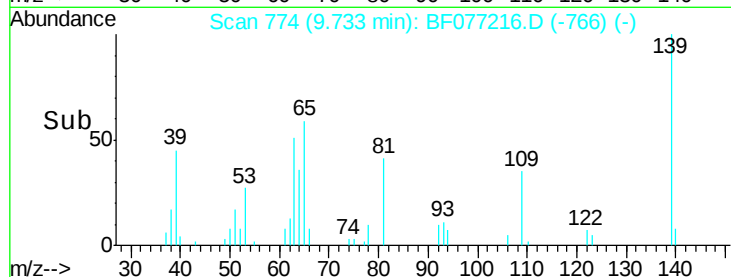
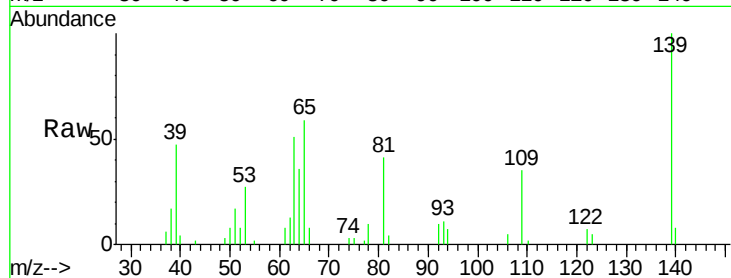




#26  
2-Nitrophenol  
Concen: 28.69 ng  
RT: 9.73 min Scan# 774  
Delta R.T. -0.01 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

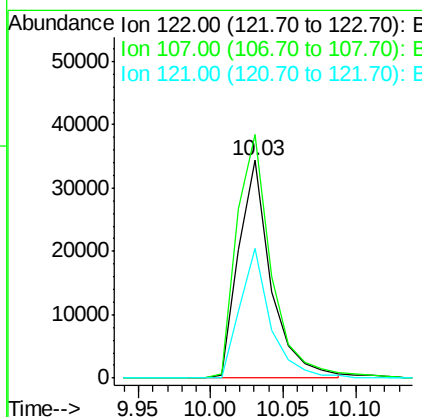
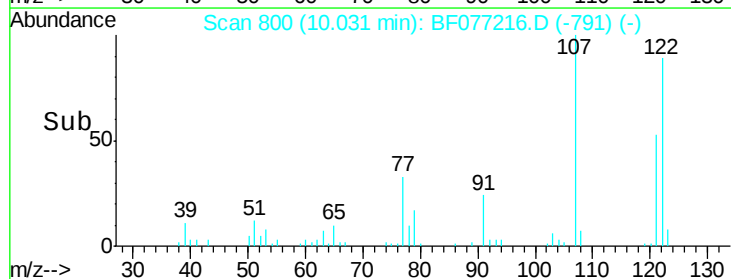
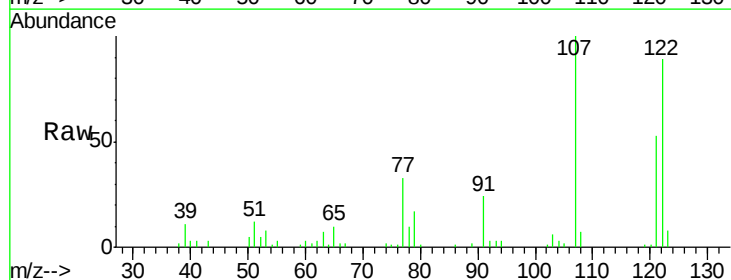
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

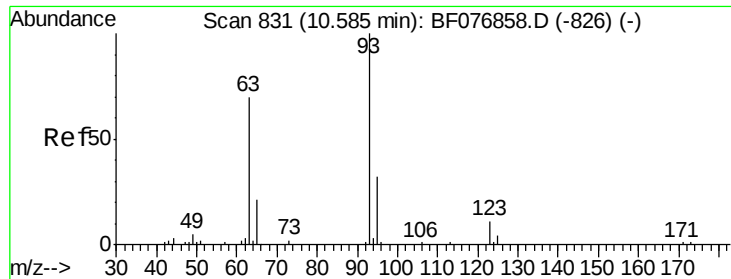
Tot Ion:139 Resp: 28532  
Ion Ratio Lower Upper  
139 100  
109 34.9 21.3 31.9#  
65 59.4 39.4 59.0#



#27  
2,4-Dimethylphenol  
Concen: 34.85 ng  
RT: 10.03 min Scan# 800  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:122 Resp: 53722  
Ion Ratio Lower Upper  
122 100  
107 112.0 95.2 142.8  
121 59.5 42.9 64.3

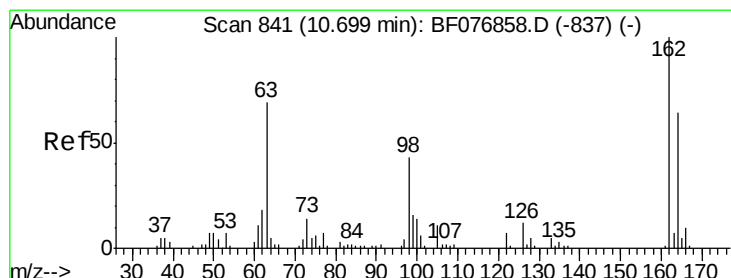
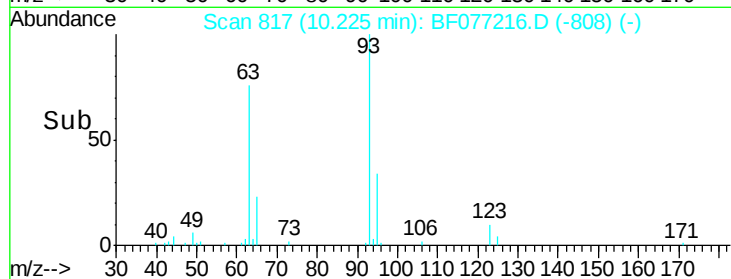
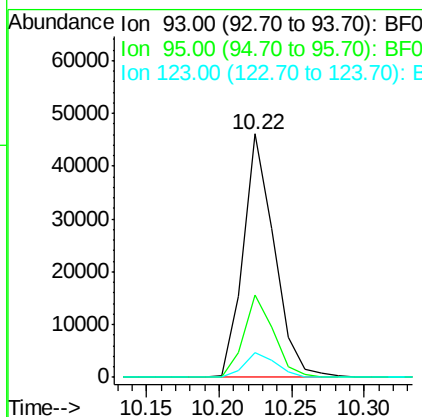
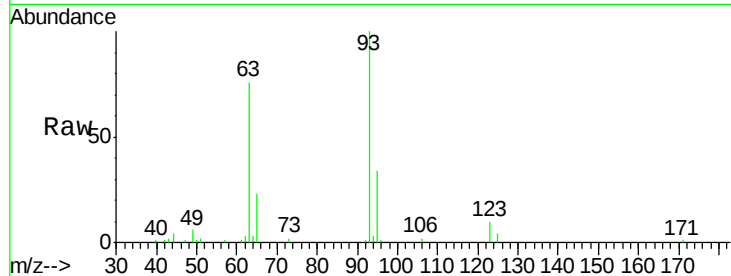




#28  
bis(2-Chloroethoxy)methane  
Concen: 34.04 ng  
RT: 10.22 min Scan# 817  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

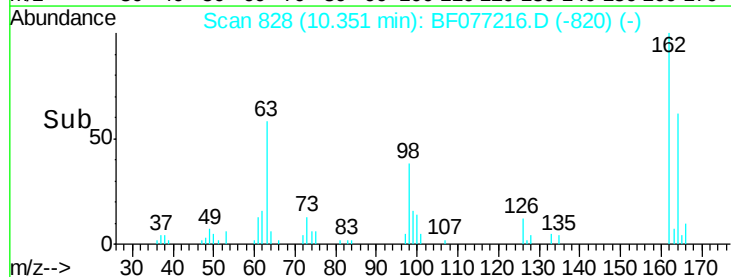
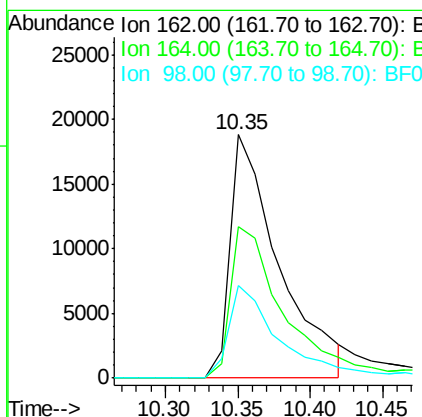
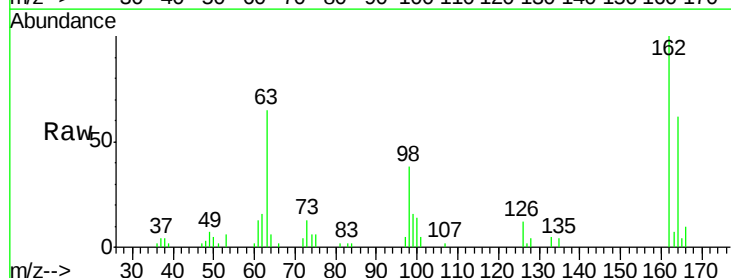
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

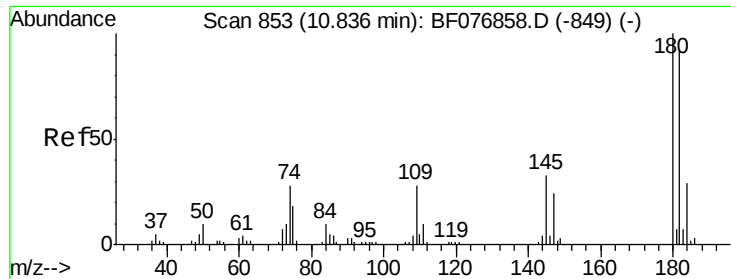
Tot Ion: 93 Resp: 68934  
Ion Ratio Lower Upper  
93 100  
95 33.8 25.6 38.4  
123 10.0 8.9 13.3



#29  
2,4-Dichlorophenol  
Concen: 30.79 ng  
RT: 10.35 min Scan# 828  
Delta R.T. -0.01 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion: 162 Resp: 44230  
Ion Ratio Lower Upper  
162 100  
164 62.3 43.8 83.8  
98 38.1 22.5 62.5

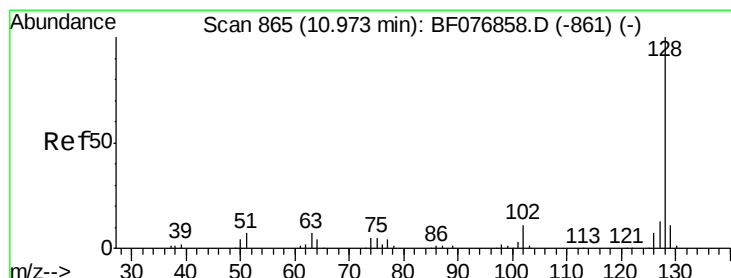
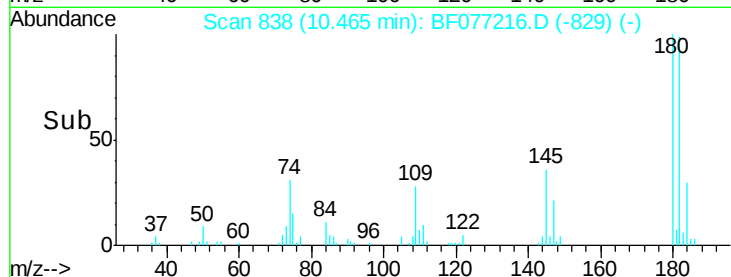
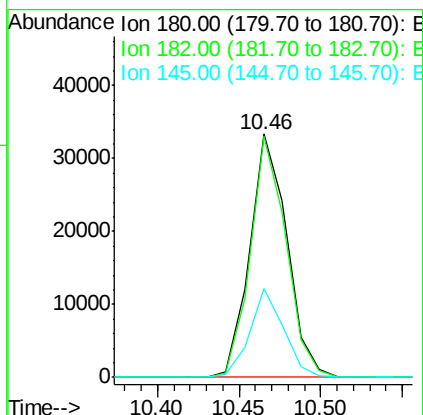
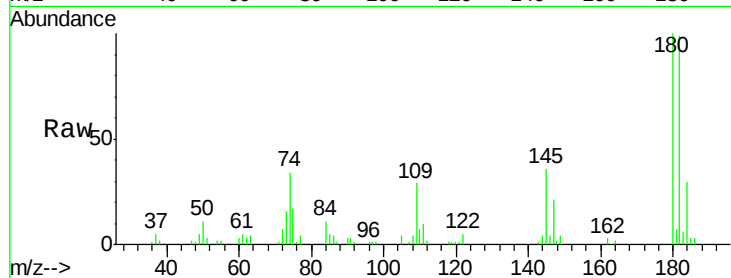




#30  
1,2,4-Trichlorobenzene  
Concen: 33.23 ng  
RT: 10.46 min Scan# 838  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

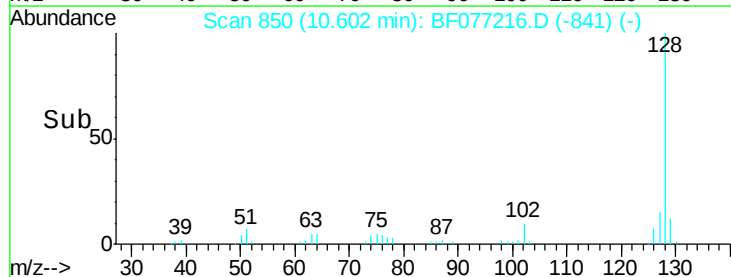
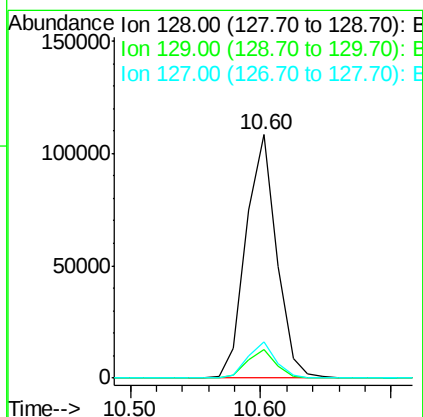
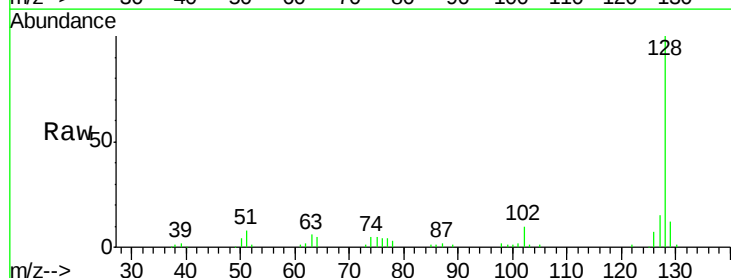
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

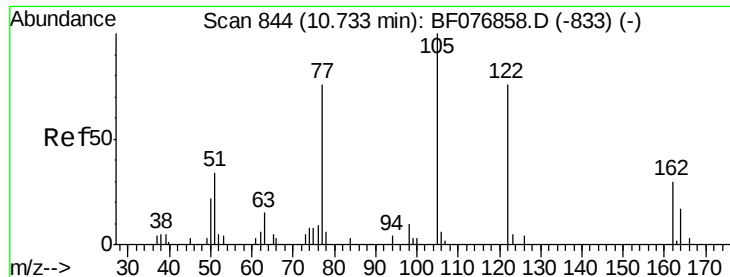
Tot Ion:180 Resp: 53023  
Ion Ratio Lower Upper  
180 100  
182 98.9 73.6 110.4  
145 36.2 26.6 39.8



#31  
Naphthalene  
Concen: 31.66 ng  
RT: 10.60 min Scan# 850  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:128 Resp: 176687  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.0 13.6  
127 14.8 10.2 15.2





#32

Benzoic acid

Concen: 9.05 ng

RT: 10.43 min Scan# 835

Delta R.T. -0.05 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

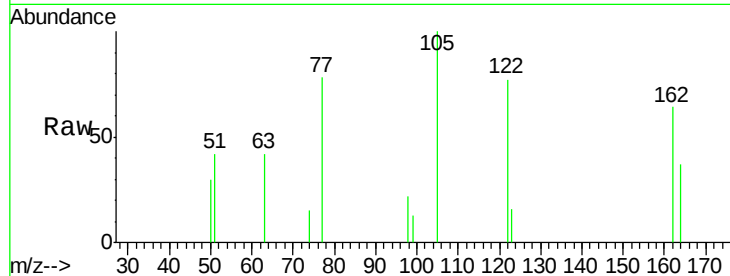
Tot Ion:122 Resp: 7727

Ion Ratio Lower Upper

122 100

105 130.1 111.3 151.3

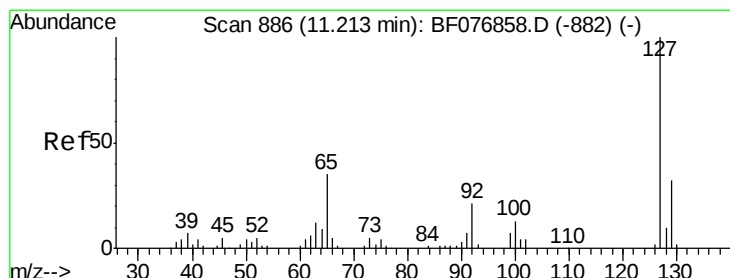
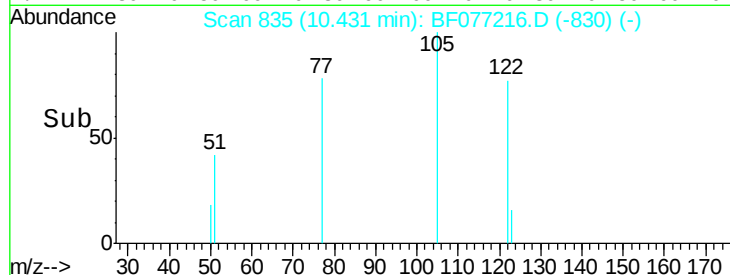
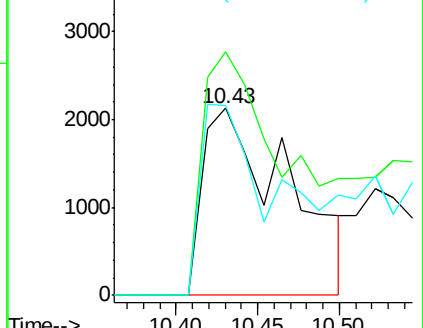
77 101.7 79.2 119.2



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: 15.60 ng

RT: 10.86 min Scan# 873

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Tgt Ion:127 Resp: 35184

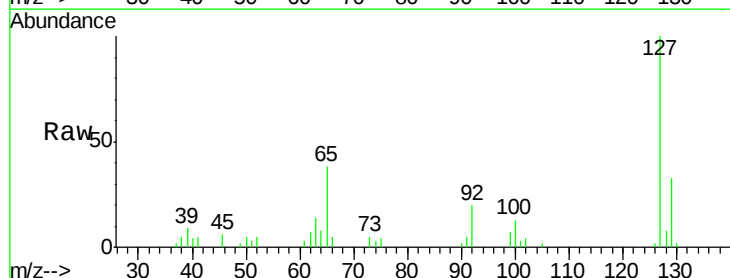
Ion Ratio Lower Upper

127 100

129 32.8 25.3 37.9

65 38.0 27.8 41.6

92 19.6 16.5 24.7

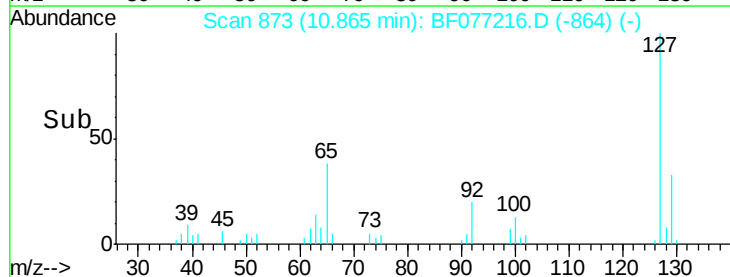
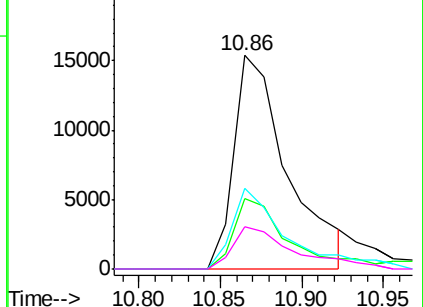


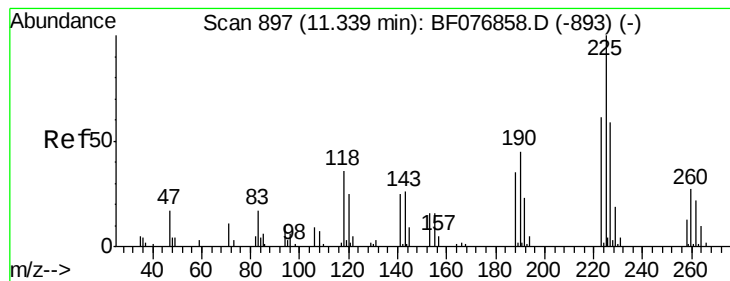
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#34

Hexachlorobutadiene

Concen: 31.74 ng

RT: 10.97 min Scan# 882

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampled :

PB81602BS

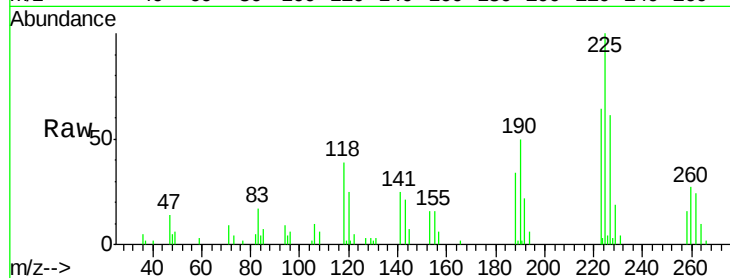
Tot Ion:225 Resp: 30045

Ion Ratio Lower Upper

225 100

223 63.7 49.1 73.7

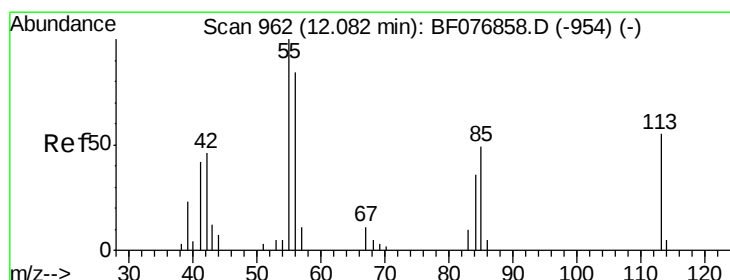
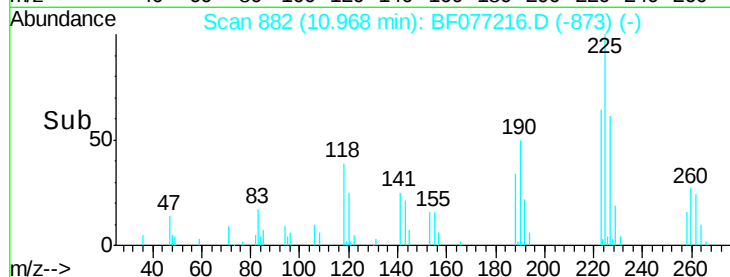
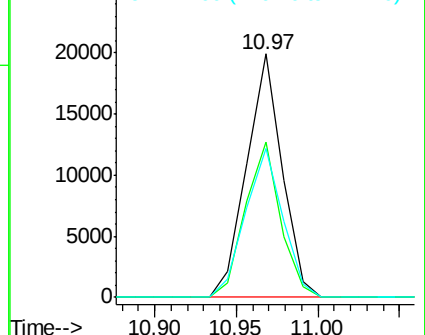
227 61.0 47.5 71.3



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 24.75 ng

RT: 11.71 min Scan# 947

Delta R.T. 0.02 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

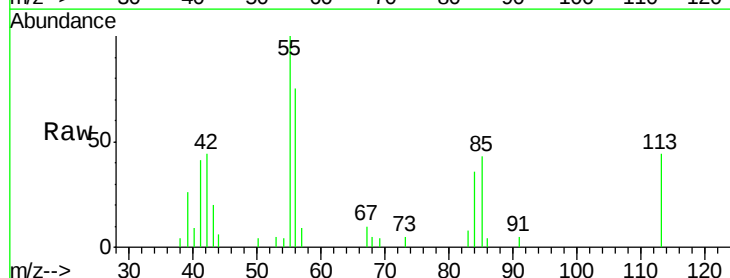
Tgt Ion:113 Resp: 10467

Ion Ratio Lower Upper

113 100

55 228.2 162.1 202.1#

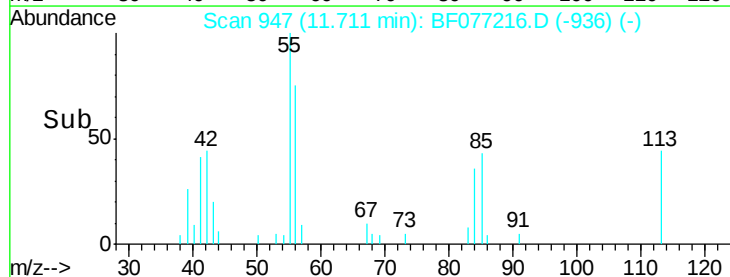
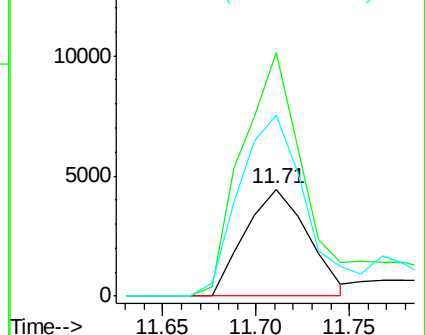
56 170.2 133.7 173.7

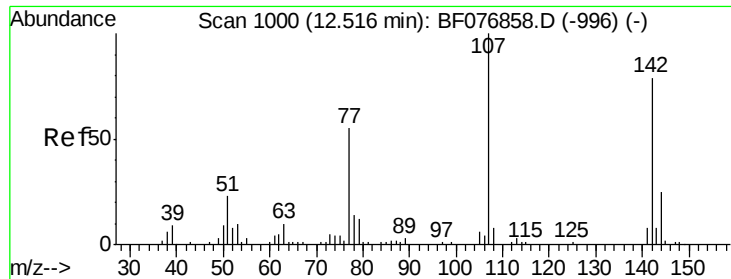


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

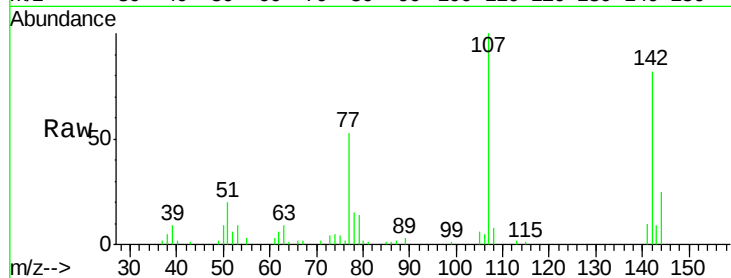




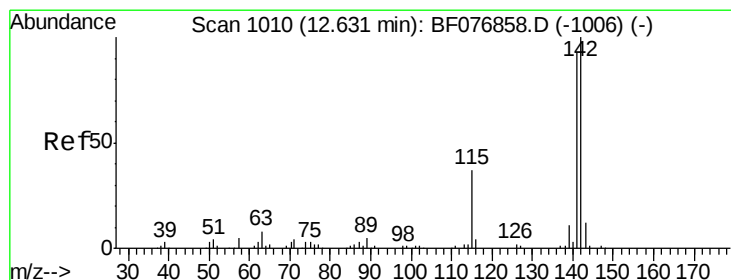
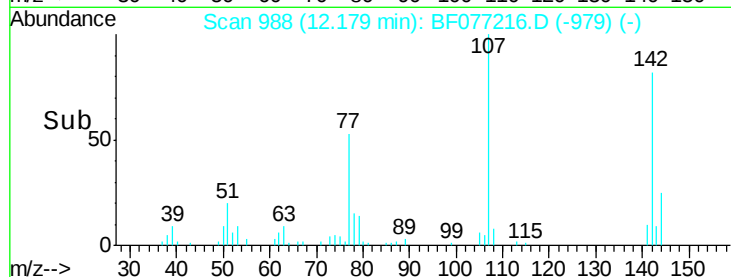
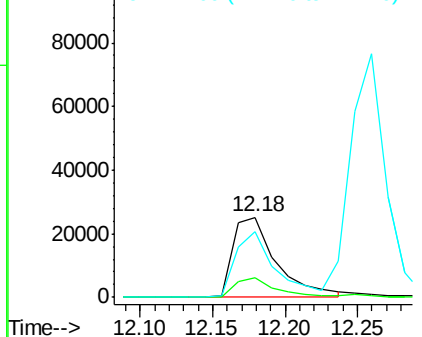
#36  
 4-Chloro-3-methylphenol  
 Concen: 31.68 ng  
 RT: 12.18 min Scan# 988  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81602BS

Tot Ion:107 Resp: 52104  
 Ion Ratio Lower Upper  
 107 100  
 144 25.2 20.0 30.0  
 142 82.0 63.5 95.3

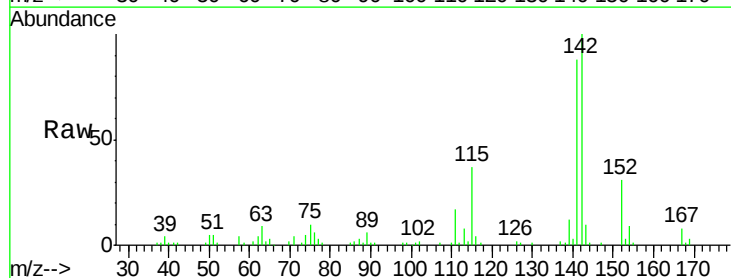


Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

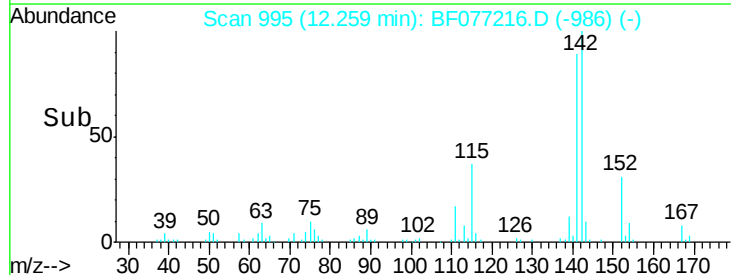
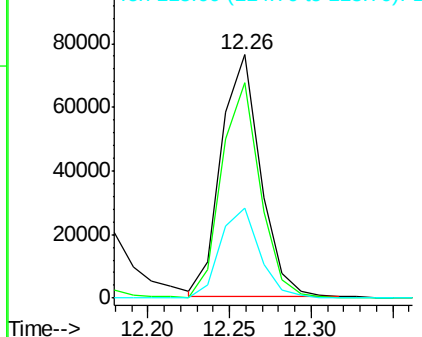


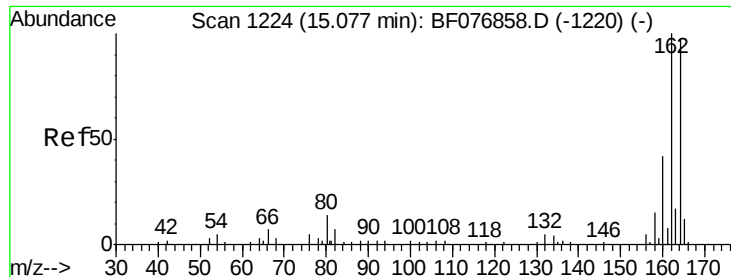
#37  
 2-Methylnaphthalene  
 Concen: 33.39 ng  
 RT: 12.26 min Scan# 995  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

Tgt Ion:142 Resp: 127254  
 Ion Ratio Lower Upper  
 142 100  
 141 88.3 74.5 111.7  
 115 36.9 29.7 44.5



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

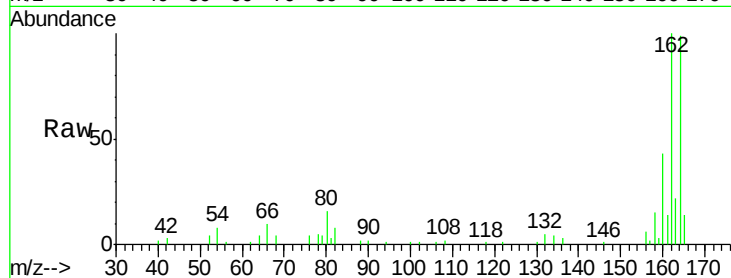
Tot Ion:164 Resp: 53639

Ion Ratio Lower Upper

164 100

162 101.0 82.4 123.6

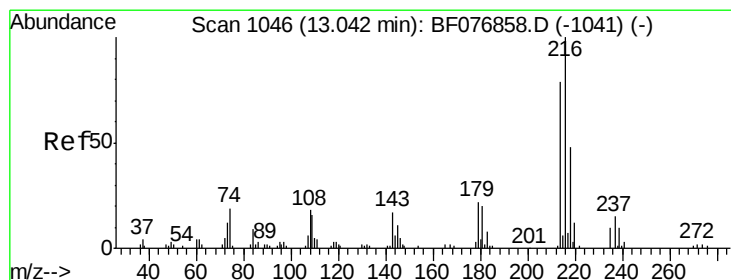
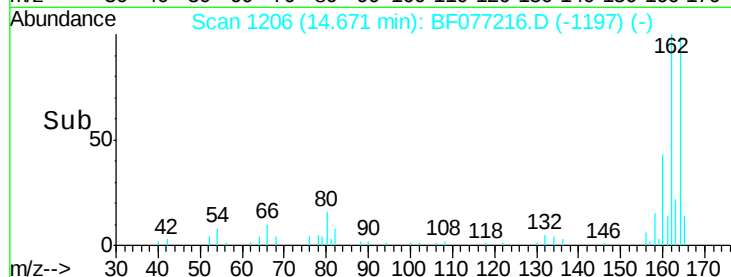
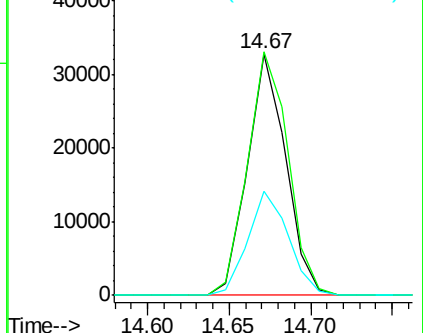
160 43.3 34.8 52.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 36.49 ng

RT: 12.66 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Tgt Ion:216 Resp: 48391

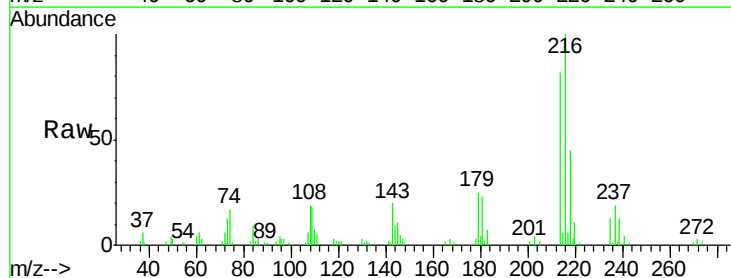
Ion Ratio Lower Upper

216 100

214 78.5 64.9 97.3

179 24.4 18.6 28.0

108 24.9 18.1 27.1

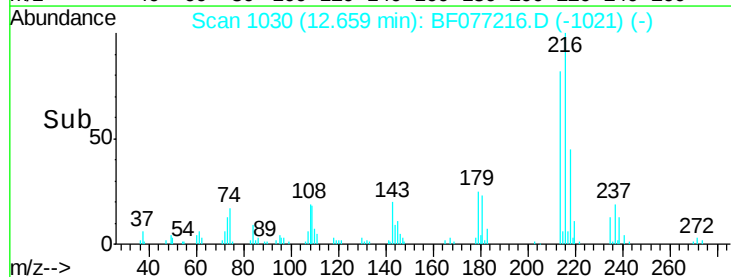
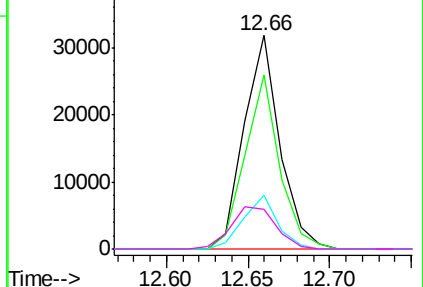


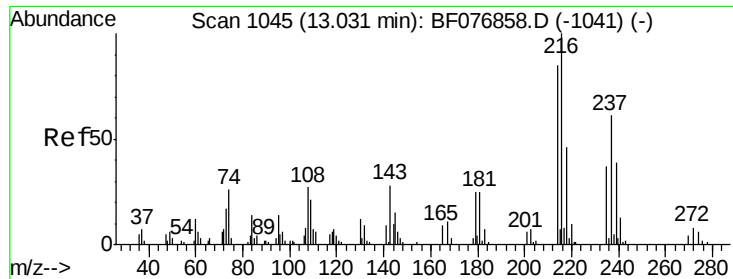
Abundance Ion 216.00 (215.70 to 216.70): E

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

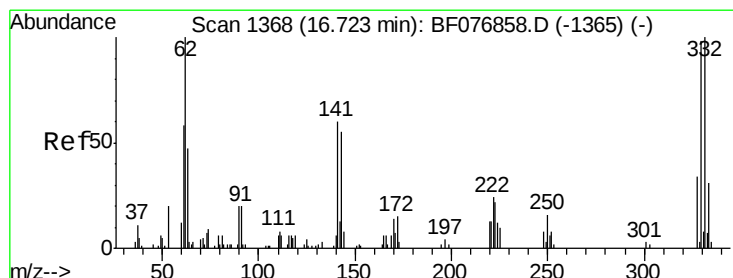
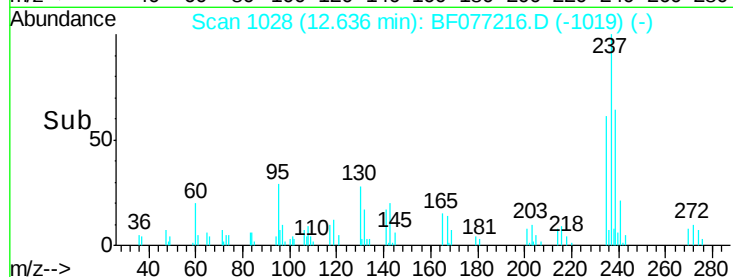
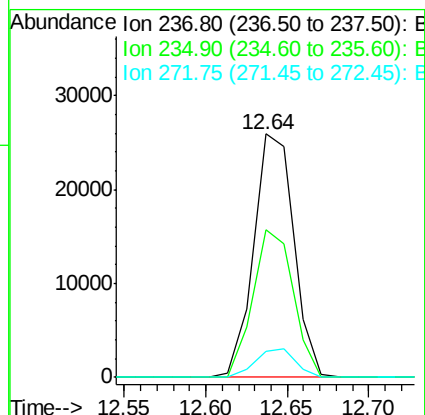
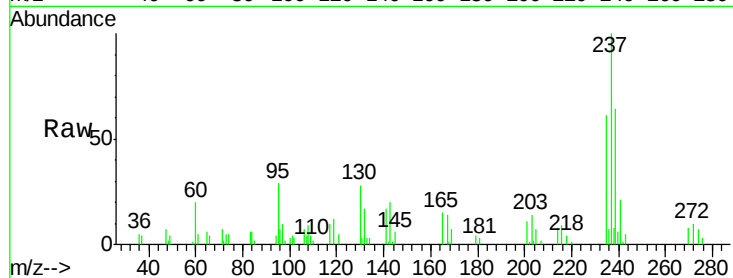




#40  
Hexachlorocyclopentadiene  
Concen: 63.16 ng  
RT: 12.64 min Scan# 1028  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

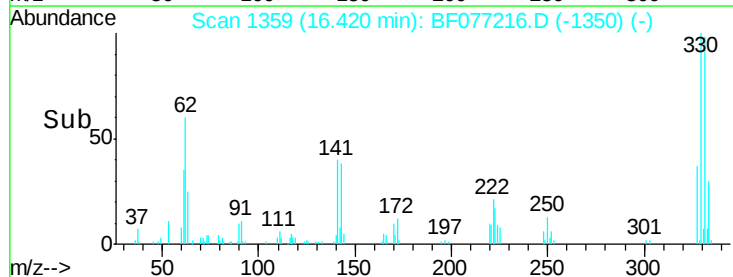
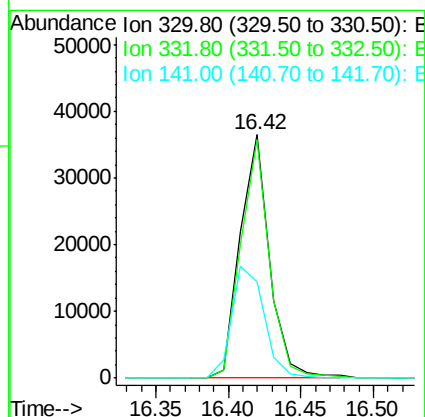
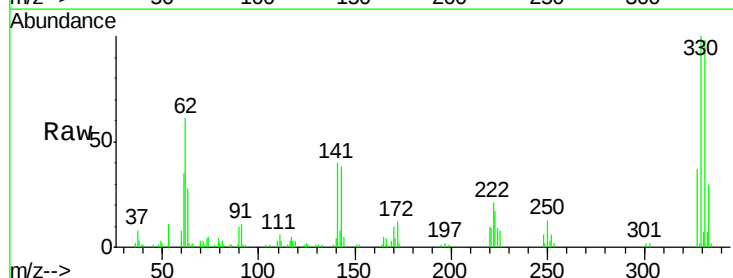
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

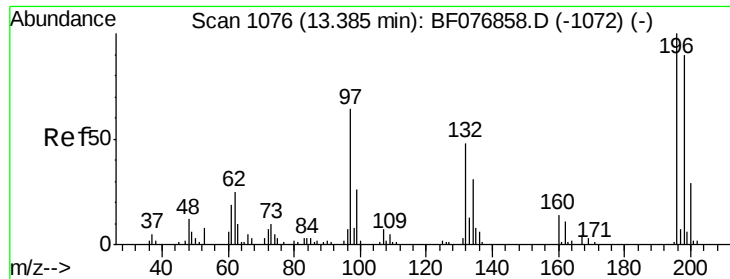
Tot Ion:237 Resp: 44359  
Ion Ratio Lower Upper  
237 100  
235 60.8 40.4 80.4  
272 10.5 0.0 33.2



#41  
2,4,6-Tribromophenol  
Concen: 118.29 ng  
RT: 16.42 min Scan# 1359  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:330 Resp: 51503  
Ion Ratio Lower Upper  
330 100  
332 95.5 77.8 116.6  
141 50.9 38.5 57.7

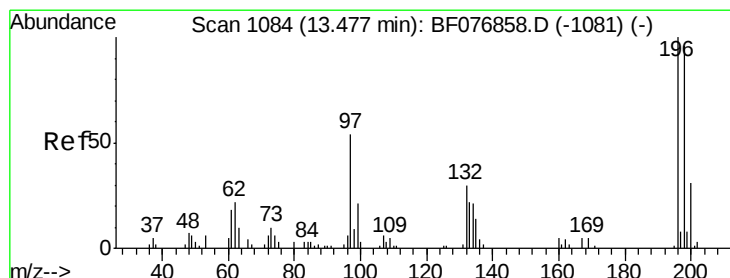
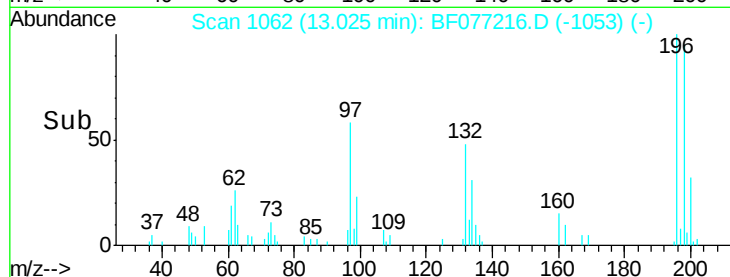
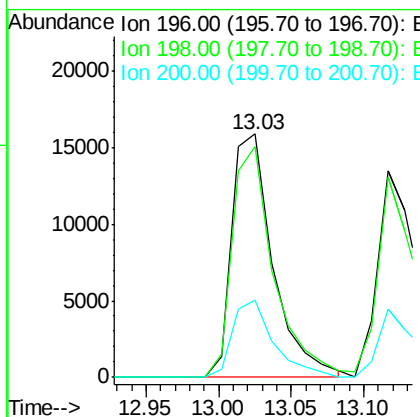
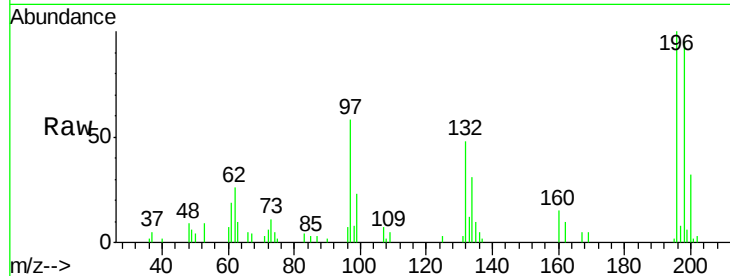




#42  
 2,4,6-Trichlorophenol  
 Concen: 32.53 ng  
 RT: 13.03 min Scan# 1062  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

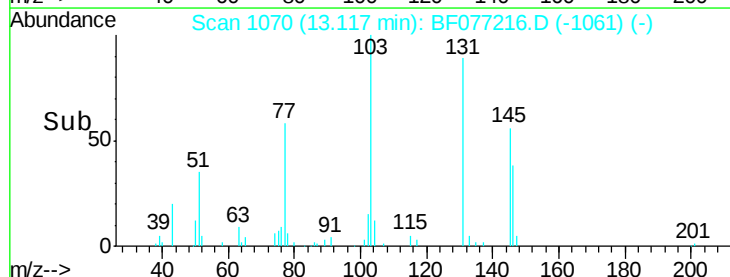
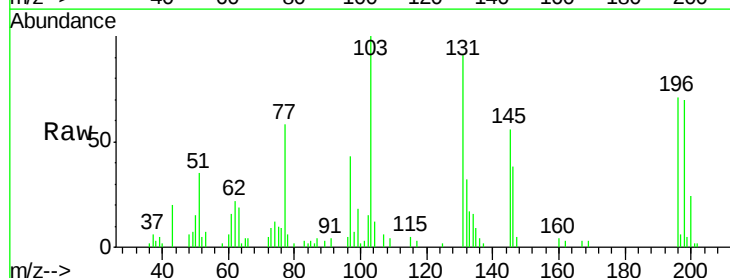
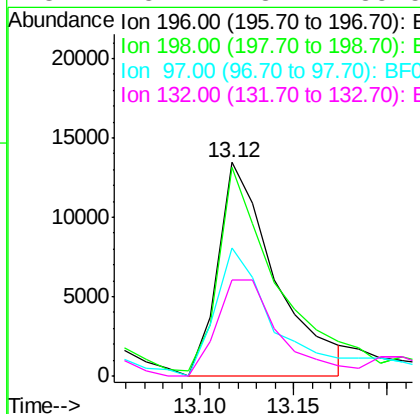
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81602BS

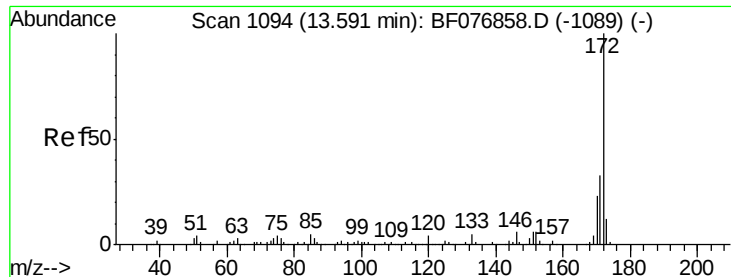
Tot Ion:196 Resp: 31435  
 Ion Ratio Lower Upper  
 196 100  
 198 94.7 72.0 108.0  
 200 31.6 23.4 35.2



#43  
 2,4,5-Trichlorophenol  
 Concen: 29.54 ng  
 RT: 13.12 min Scan# 1070  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

Tgt Ion:196 Resp: 29109  
 Ion Ratio Lower Upper  
 196 100  
 198 97.4 76.6 115.0  
 97 59.7 43.4 65.0  
 132 45.1 23.7 35.5#

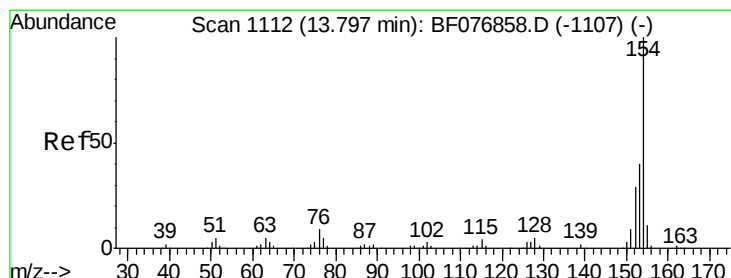
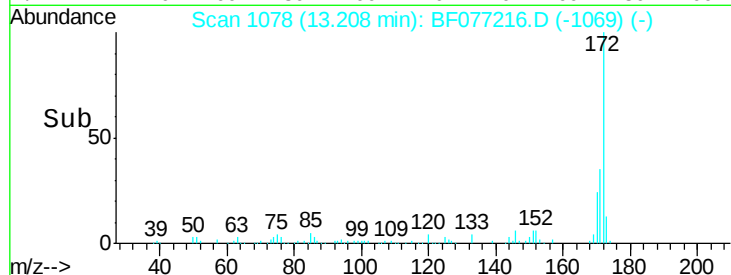
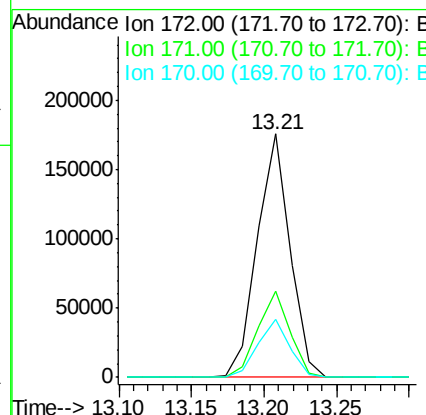
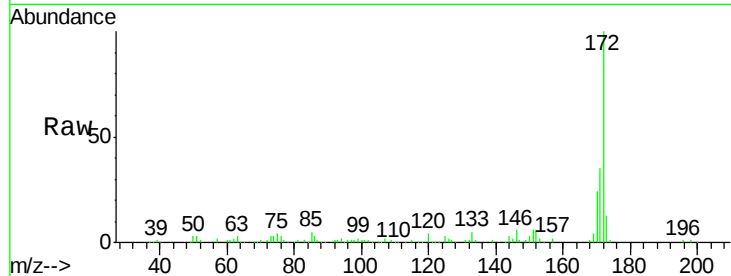




#44  
2-Fluorobiphenyl  
Concen: 77.88 ng  
RT: 13.21 min Scan# 1078  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

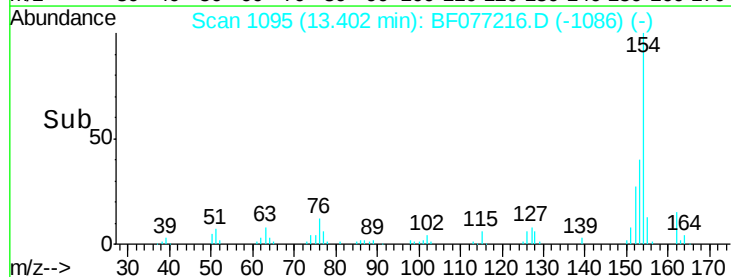
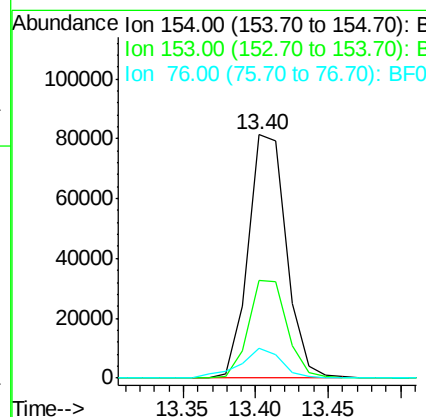
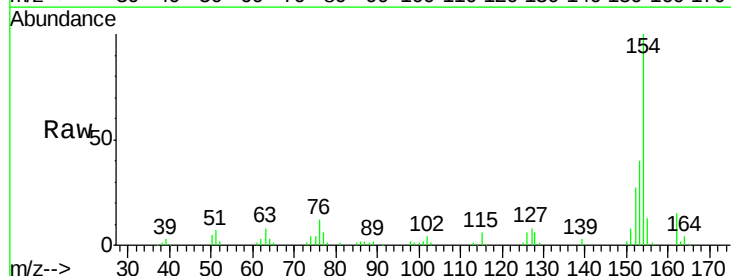
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

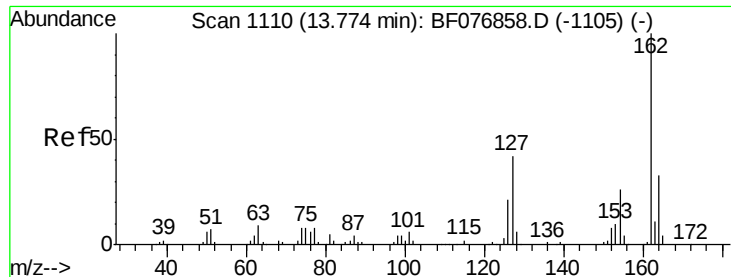
Tot Ion:172 Resp: 274506  
Ion Ratio Lower Upper  
172 100  
171 35.2 26.6 40.0  
170 23.6 18.0 27.0



#45  
1,1'-Biphenyl  
Concen: 37.26 ng  
RT: 13.40 min Scan# 1095  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:154 Resp: 148175  
Ion Ratio Lower Upper  
154 100  
153 40.0 20.2 60.2  
76 12.0 0.0 29.0

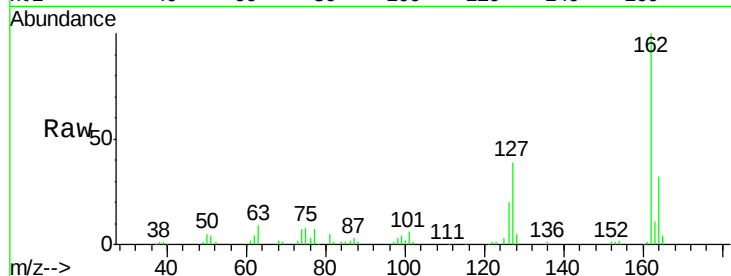




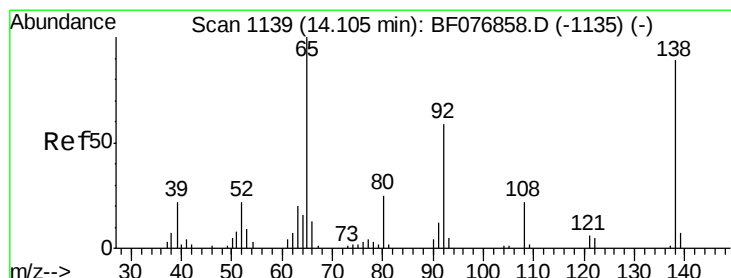
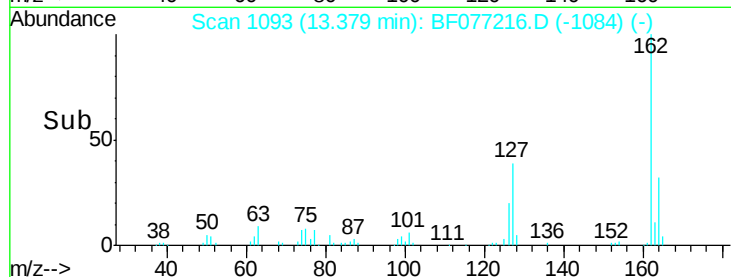
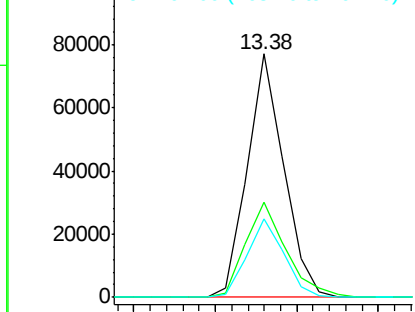
#46  
2-Chloronaphthalene  
Concen: 36.58 ng  
RT: 13.38 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

Tot Ion:162 Resp: 119713  
Ion Ratio Lower Upper  
162 100  
127 38.9 33.8 50.6  
164 32.3 26.8 40.2

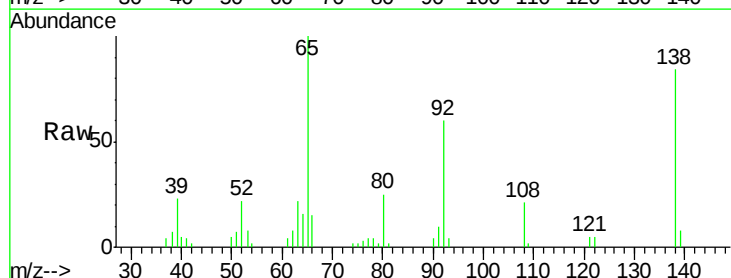


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

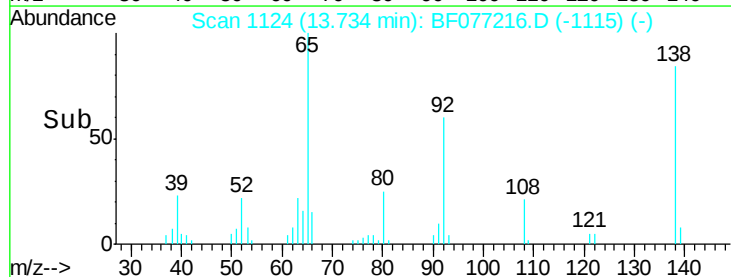
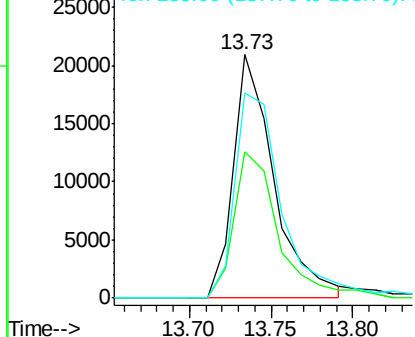


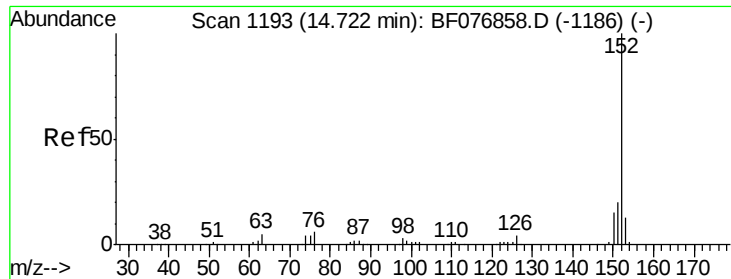
#47  
2-Nitroaniline  
Concen: 36.55 ng  
RT: 13.73 min Scan# 1124  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion: 65 Resp: 36278  
Ion Ratio Lower Upper  
65 100  
92 59.9 47.3 70.9  
138 84.4 71.4 107.2



Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 34.57 ng

RT: 14.33 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

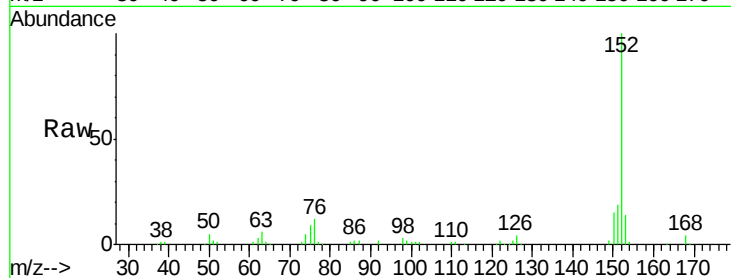
Tot Ion:152 Resp: 190829

Ion Ratio Lower Upper

152 100

151 18.6 15.9 23.9

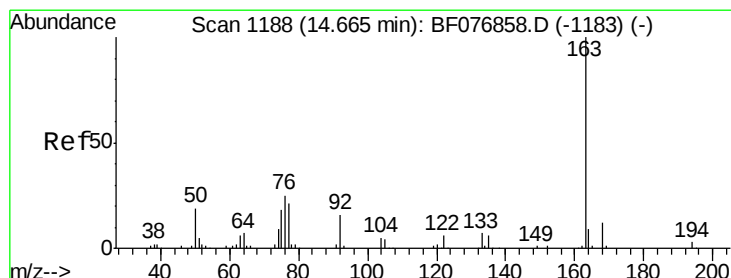
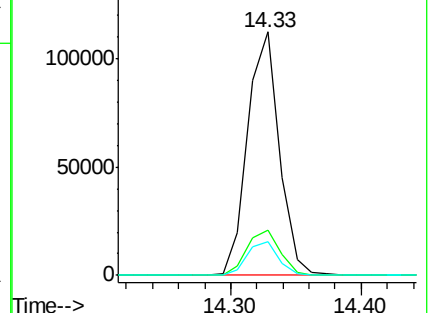
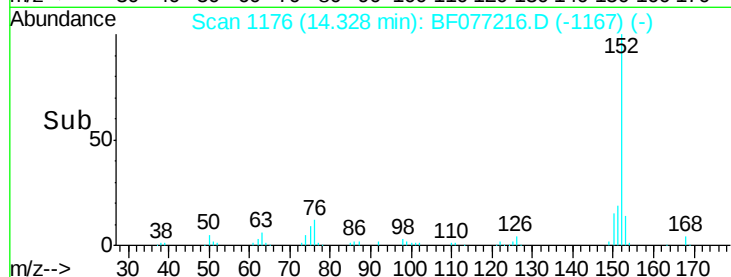
153 13.6 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 38.02 ng

RT: 14.29 min Scan# 1173

Delta R.T. 0.01 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

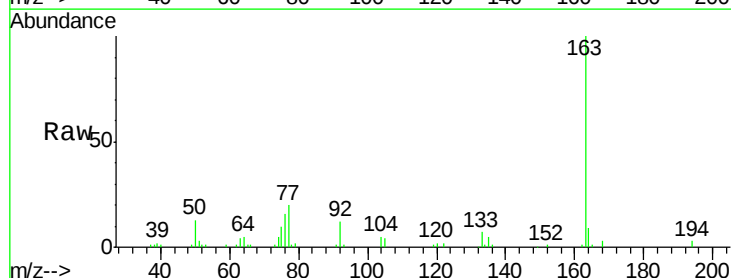
Tgt Ion:163 Resp: 144639

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

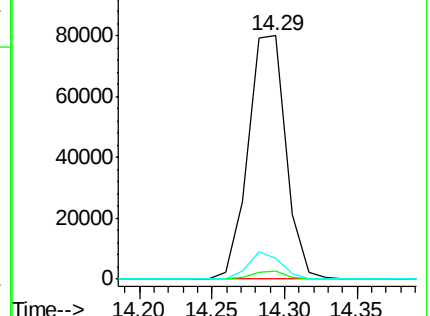
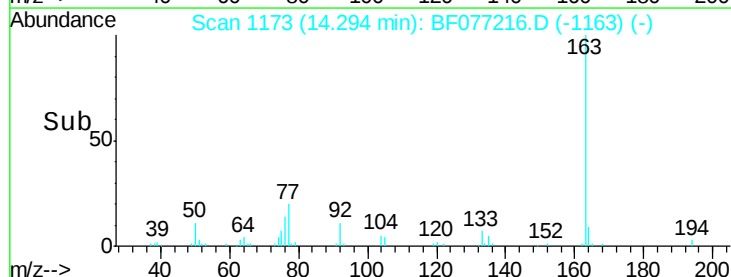
164 8.5 7.5 11.3

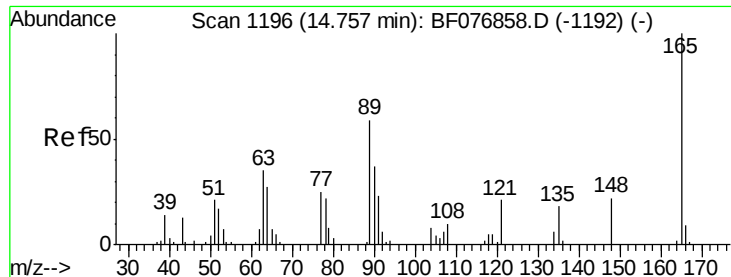


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

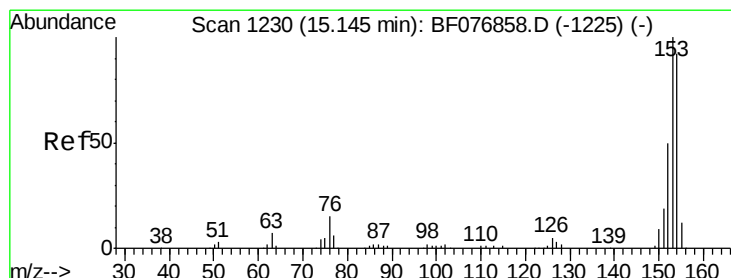
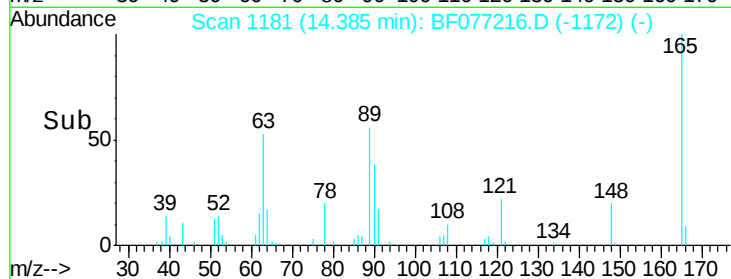
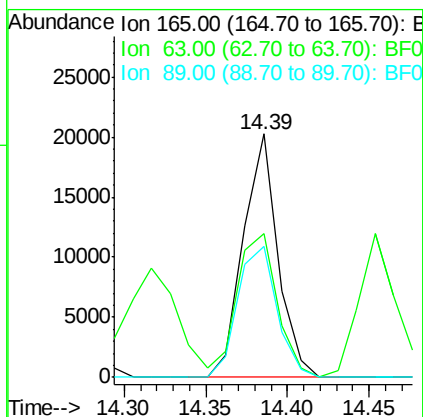
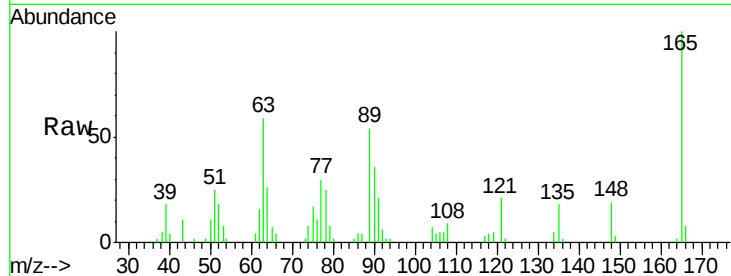




#50  
2,6-Dinitrotoluene  
Concen: 39.00 ng  
RT: 14.39 min Scan# 1181  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

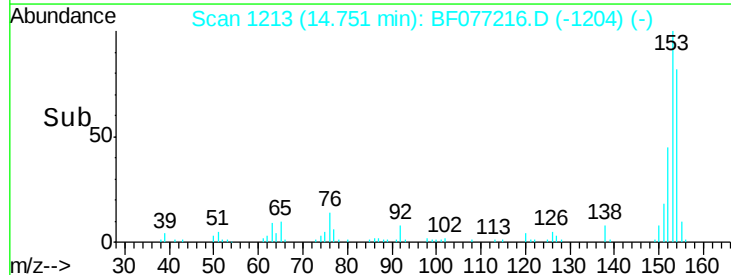
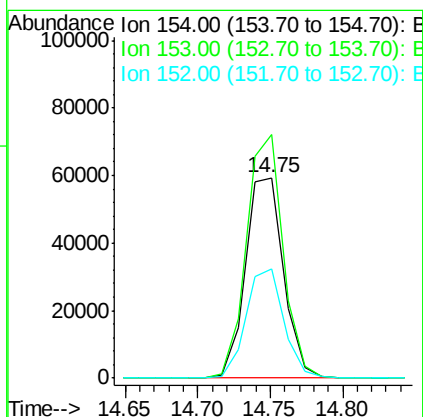
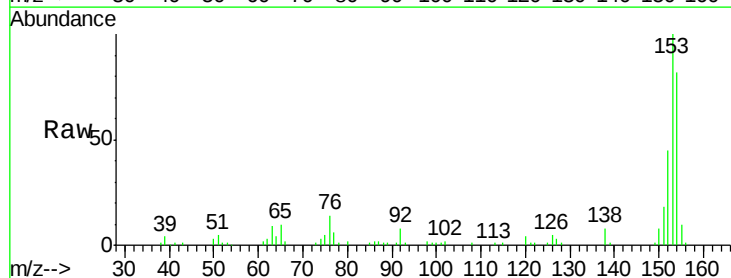
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

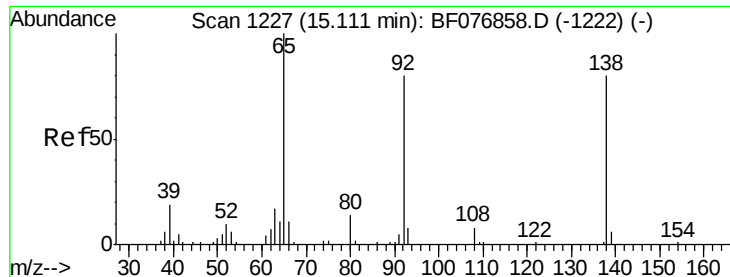
Tot Ion:165 Resp: 29641  
Ion Ratio Lower Upper  
165 100  
63 59.1 48.1 72.1  
89 53.6 47.2 70.8



#51  
Acenaphthene  
Concen: 34.48 ng  
RT: 14.75 min Scan# 1213  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:154 Resp: 107989  
Ion Ratio Lower Upper  
154 100  
153 121.5 87.0 130.6  
152 54.5 43.5 65.3

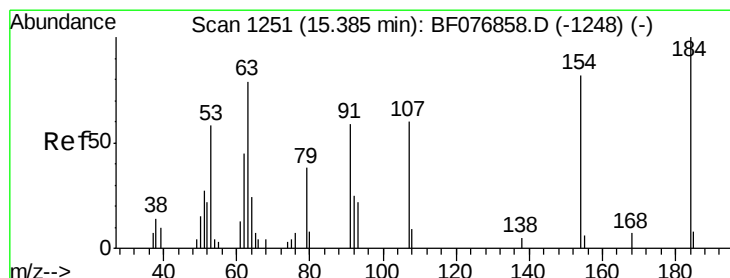
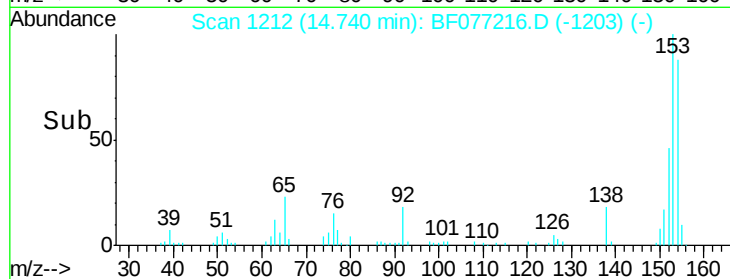
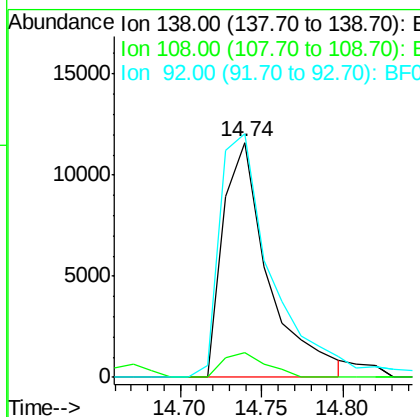
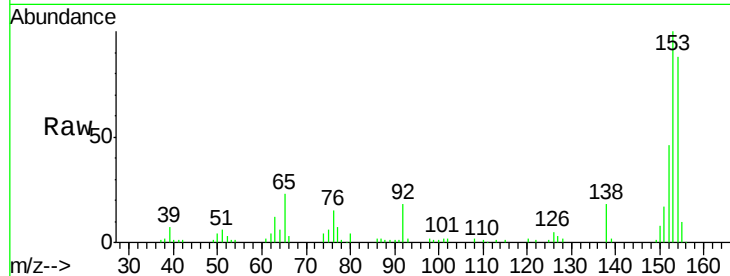




#52  
3-Nitroaniline  
Concen: 23.53 ng  
RT: 14.74 min Scan# 1212  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

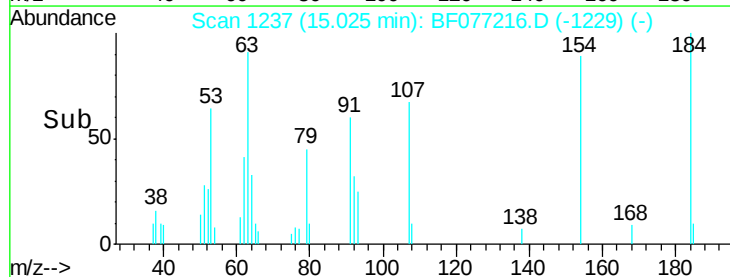
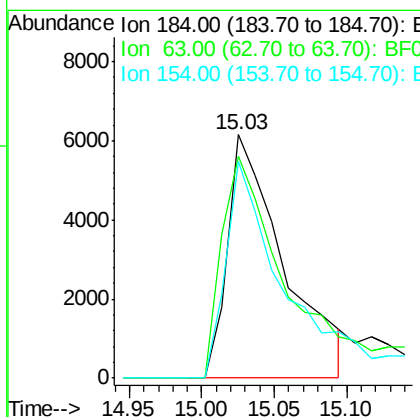
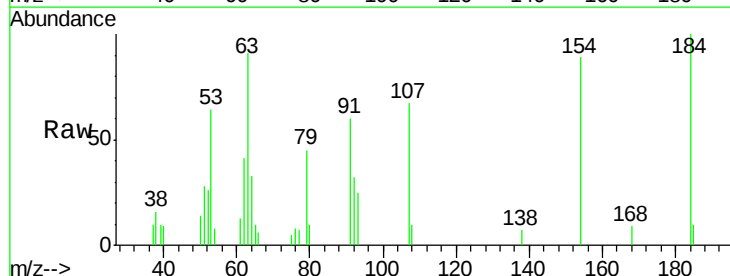
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

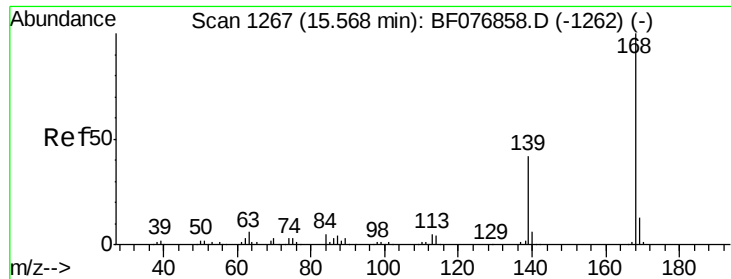
Tot Ion:138 Resp: 22399  
Ion Ratio Lower Upper  
138 100  
108 10.3 8.3 12.5  
92 103.6 80.9 121.3



#53  
2,4-Dinitrophenol  
Concen: 51.22 ng  
RT: 15.03 min Scan# 1237  
Delta R.T. -0.01 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:184 Resp: 16502  
Ion Ratio Lower Upper  
184 100  
63 91.3 63.0 94.6  
154 89.1 65.5 98.3

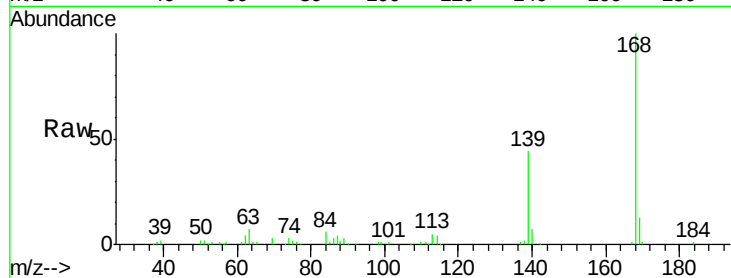




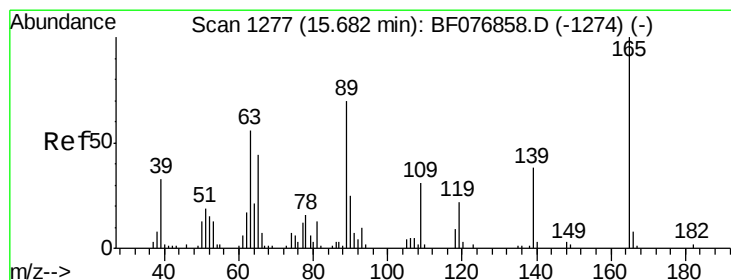
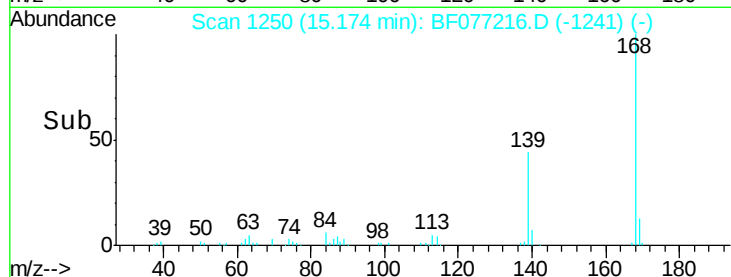
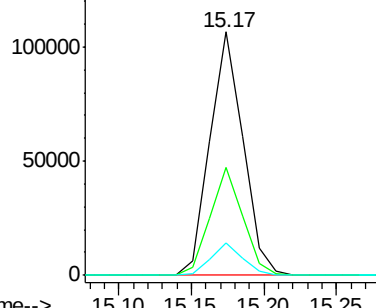
#54  
Dibenzenofuran  
Concen: 37.03 ng  
RT: 15.17 min Scan# 1250  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

Tot Ion:168 Resp: 168924  
Ion Ratio Lower Upper  
168 100  
139 44.1 33.4 50.2  
169 13.4 10.6 15.8

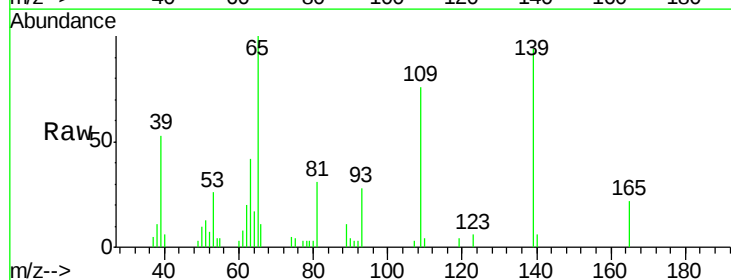


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

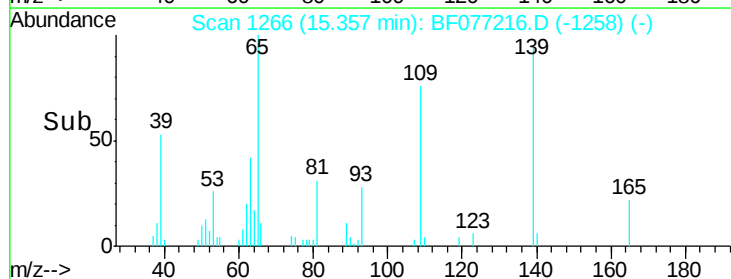
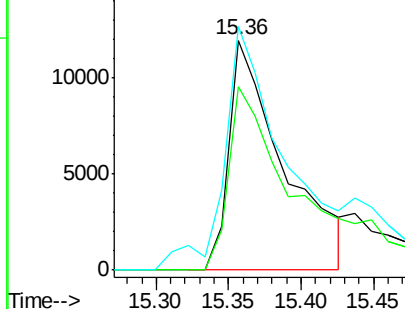


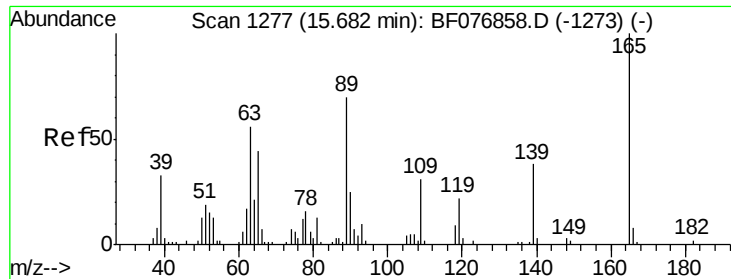
#55  
4-Nitrophenol  
Concen: 52.16 ng  
RT: 15.36 min Scan# 1266  
Delta R.T. -0.01 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:139 Resp: 31102  
Ion Ratio Lower Upper  
139 100  
109 80.0 61.0 101.0  
65 105.8 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

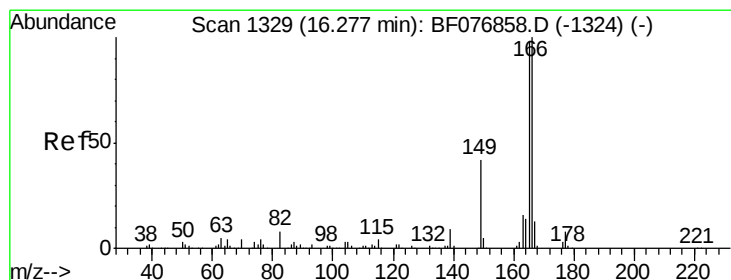
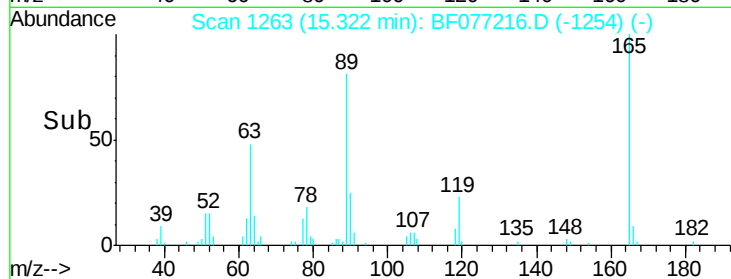
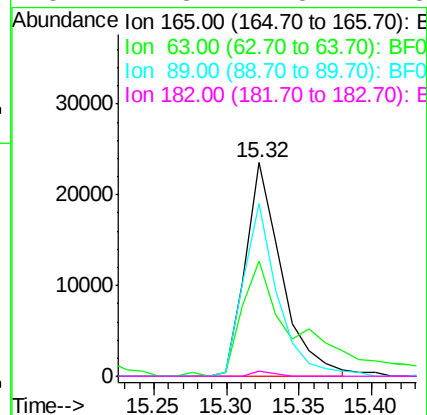
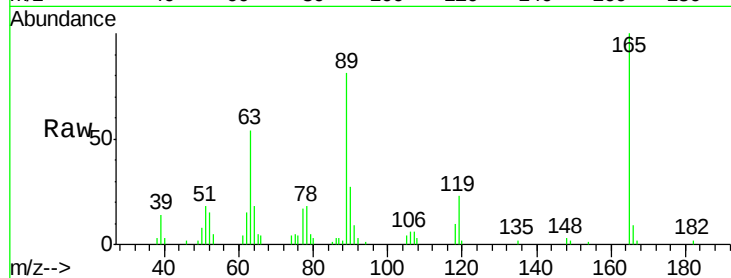




#56  
2,4-Dinitrotoluene  
Concen: 36.49 ng  
RT: 15.32 min Scan# 1263  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

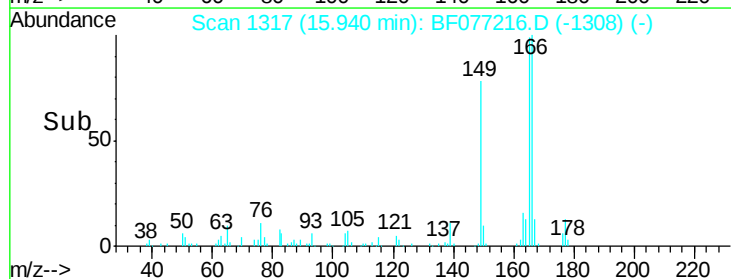
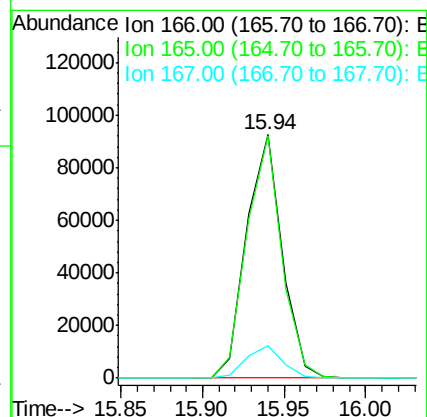
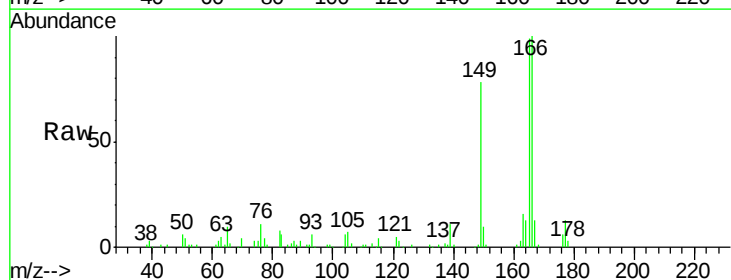
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

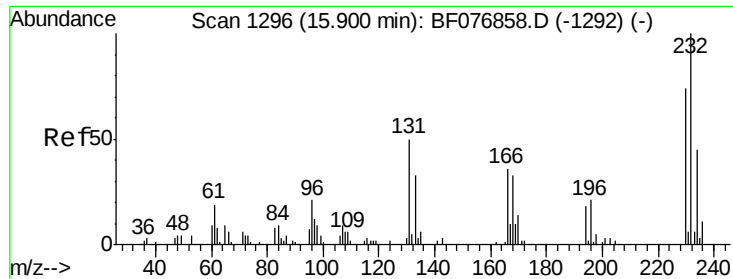
Tot Ion:165 Resp: 40974  
Ion Ratio Lower Upper  
165 100  
63 54.1 44.8 67.2  
89 81.1 56.2 84.2  
182 2.3 1.5 2.3#



#57  
Fluorene  
Concen: 36.20 ng  
RT: 15.94 min Scan# 1317  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:166 Resp: 139909  
Ion Ratio Lower Upper  
166 100  
165 99.5 78.5 117.7  
167 13.4 10.4 15.6

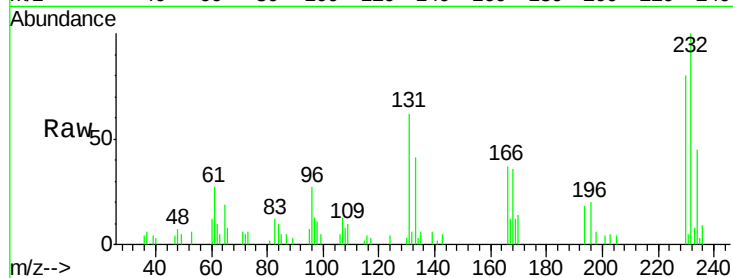




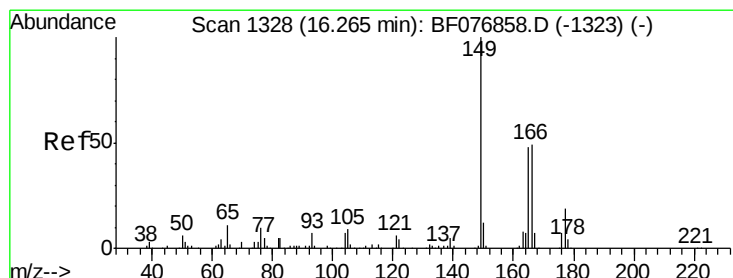
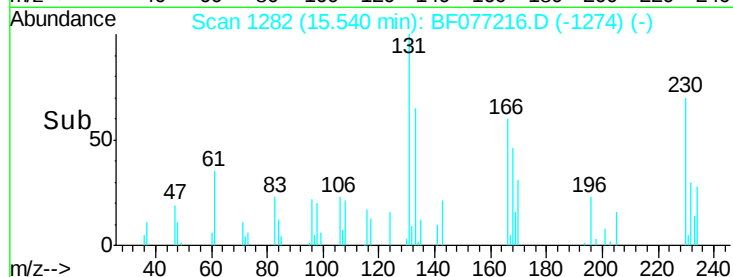
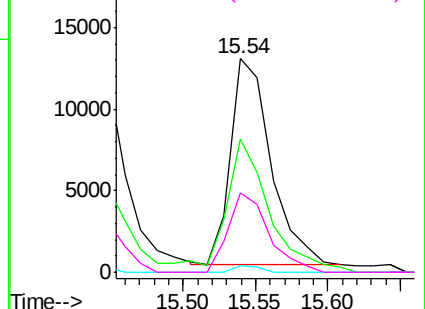
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 34.20 ng  
 RT: 15.54 min Scan# 1282  
 Delta R.T. -0.01 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81602BS

Tot Ion:232 Resp: 24541  
 Ion Ratio Lower Upper  
 232 100  
 131 59.6 45.0 67.6  
 130 2.1 2.6 3.8#  
 166 38.6 30.9 46.3

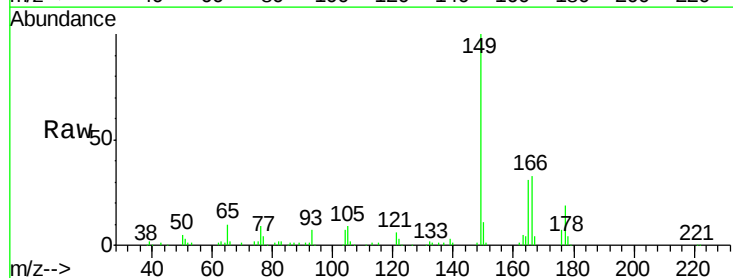


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

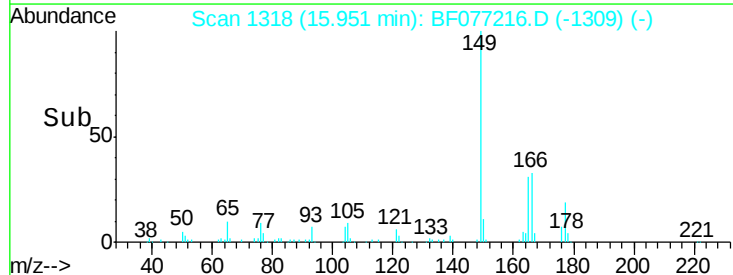
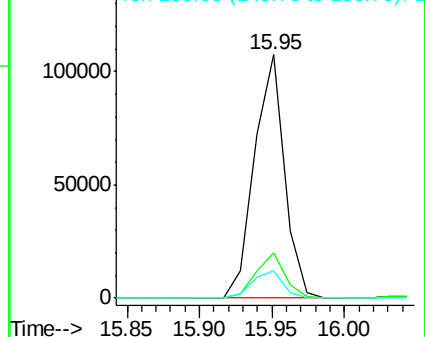


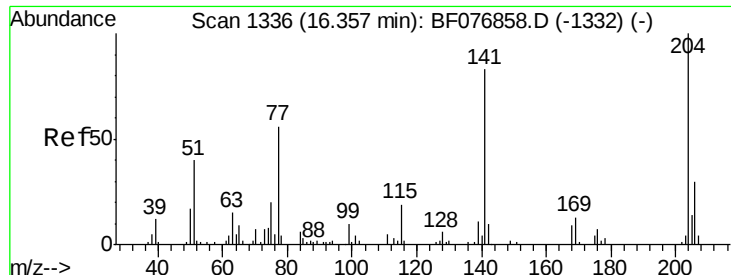
#59  
 Diethylphthalate  
 Concen: 40.04 ng  
 RT: 15.95 min Scan# 1318  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

Tgt Ion:149 Resp: 153931  
 Ion Ratio Lower Upper  
 149 100  
 177 18.7 15.0 22.6  
 150 11.4 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

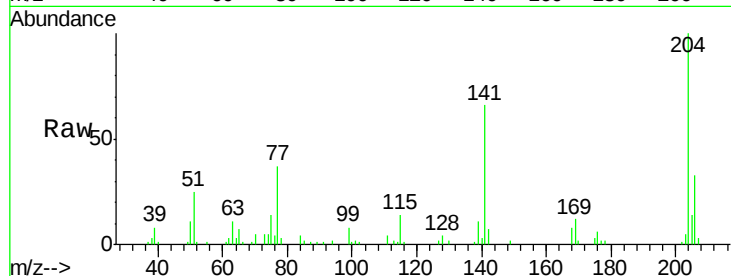




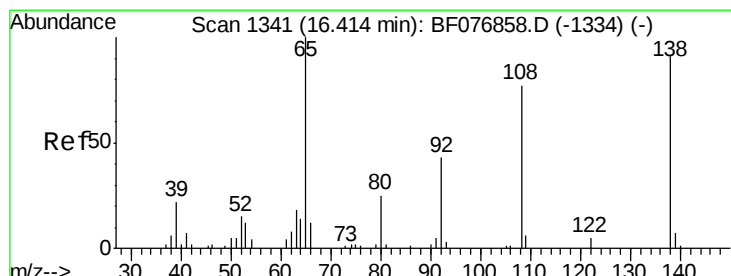
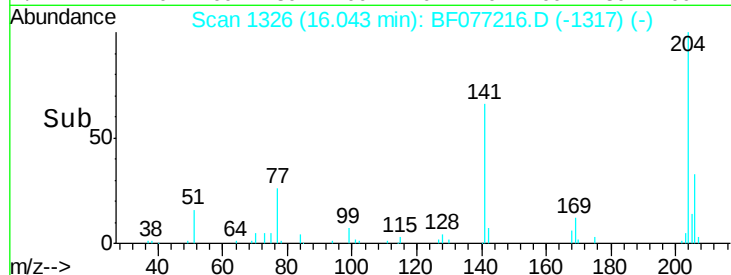
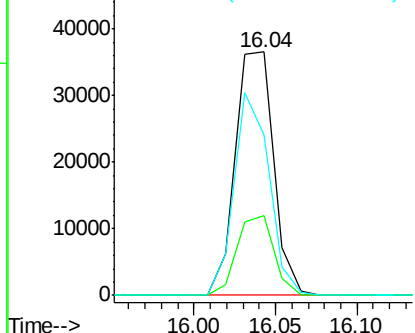
#60  
 4-Chlorophenyl-phenylether  
 Concen: 37.72 ng  
 RT: 16.04 min Scan# 1326  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81602BS

Tot Ion:204 Resp: 59640  
 Ion Ratio Lower Upper  
 204 100  
 206 32.5 24.2 36.2  
 141 66.0 66.7 100.1#

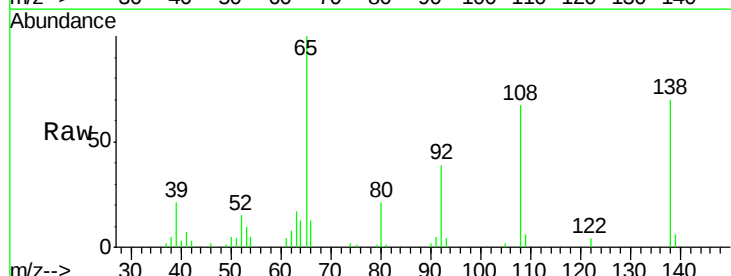


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

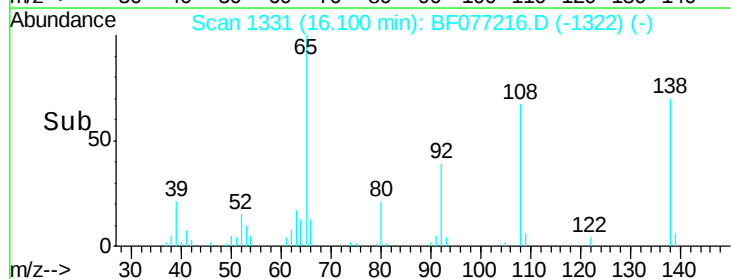
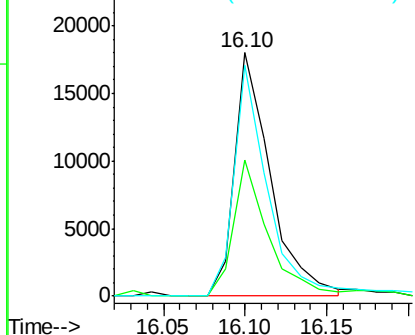


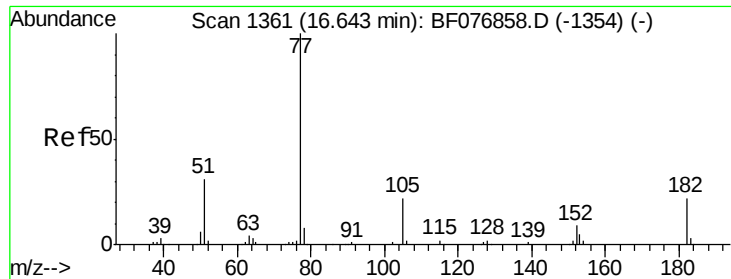
#61  
 4-Nitroaniline  
 Concen: 29.24 ng  
 RT: 16.10 min Scan# 1331  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

Tgt Ion:138 Resp: 27463  
 Ion Ratio Lower Upper  
 138 100  
 92 55.7 26.7 66.7  
 108 94.6 64.5 104.5



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





#62

Azobenzene

Concen: 37.73 ng

RT: 16.33 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

Tot Ion: 77 Resp: 151146

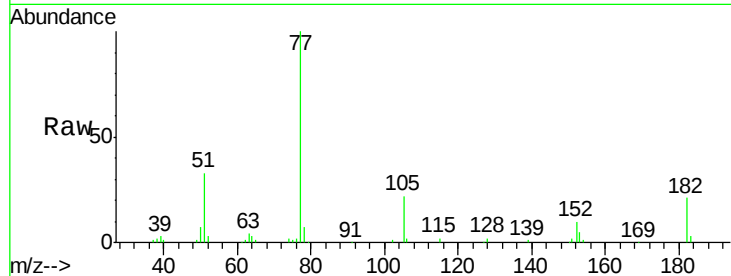
Ion Ratio Lower Upper

77 100

182 20.5 2.0 42.0

105 22.0 2.3 42.3

51 32.5 10.7 50.7

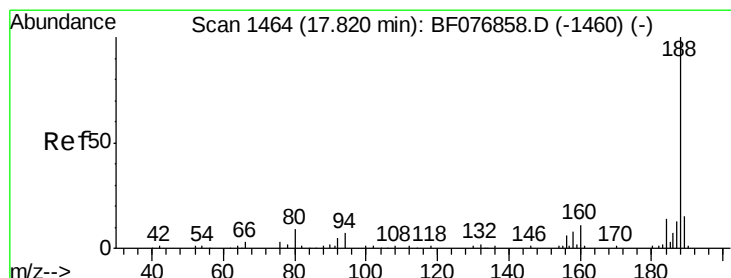
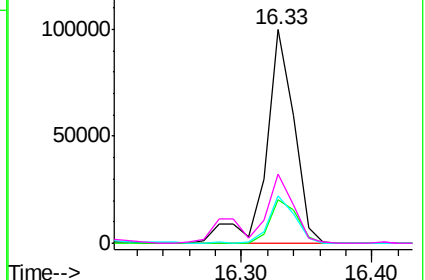
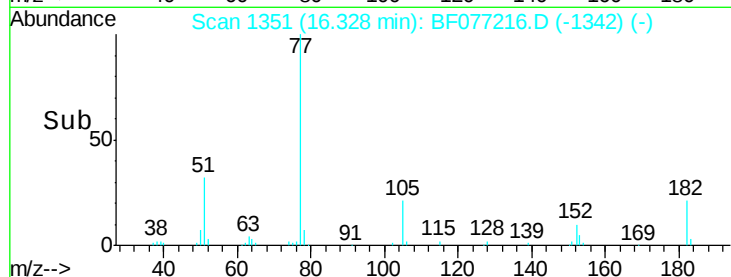


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.54 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

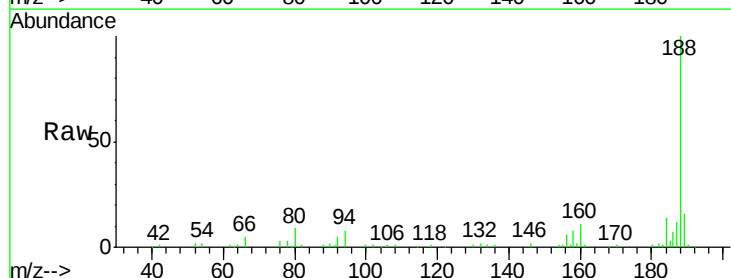
Tgt Ion: 188 Resp: 105100

Ion Ratio Lower Upper

188 100

94 8.5 6.0 9.0

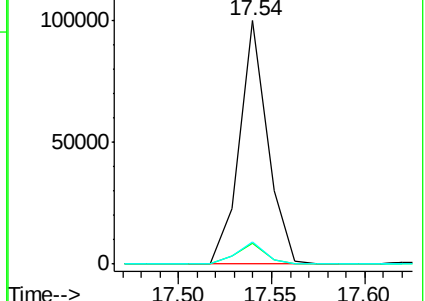
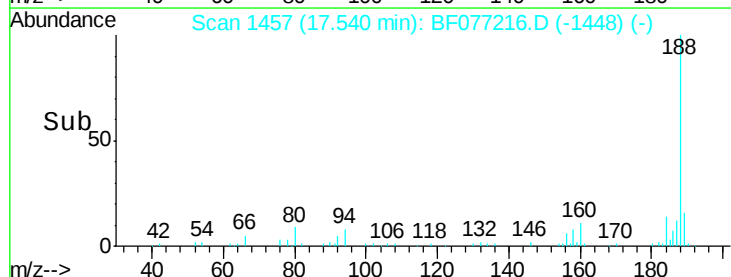
80 9.2 6.9 10.3

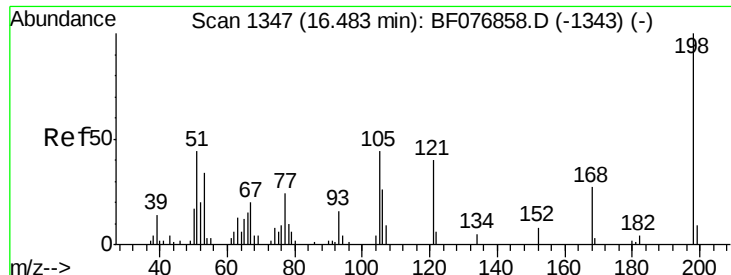


Abundance Ion 188.00 (187.70 to 188.70): E

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: 26.96 ng

RT: 16.18 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

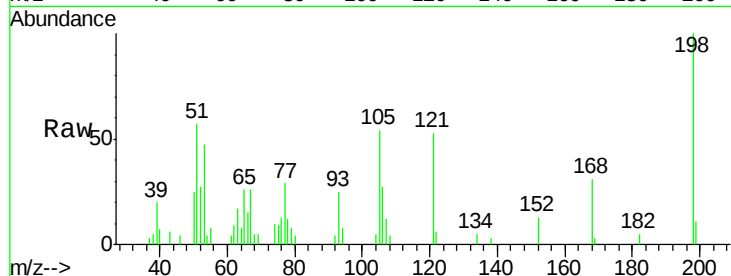
BNA\_F

ClientSampleId :

PB81602BS

Tot Ion:198 Resp: 17160

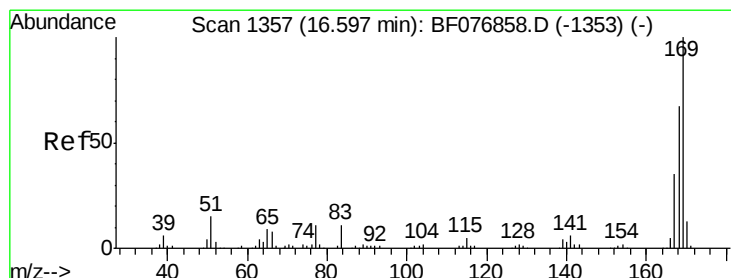
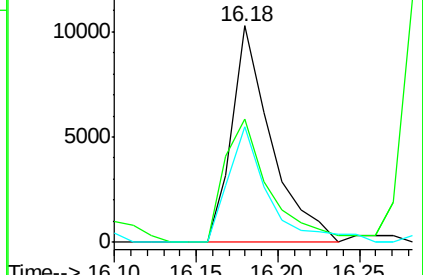
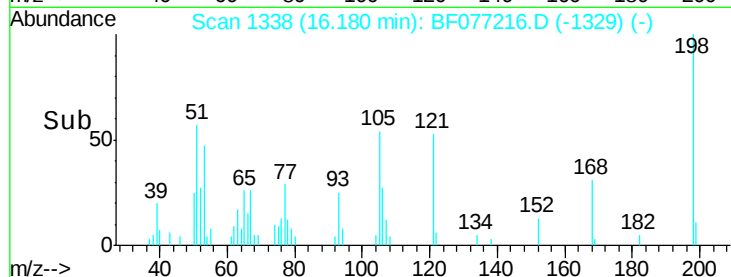
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 57.0  | 24.2  | 64.2  |
| 105 | 53.5  | 24.0  | 64.0  |



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: 32.12 ng

RT: 16.29 min Scan# 1348

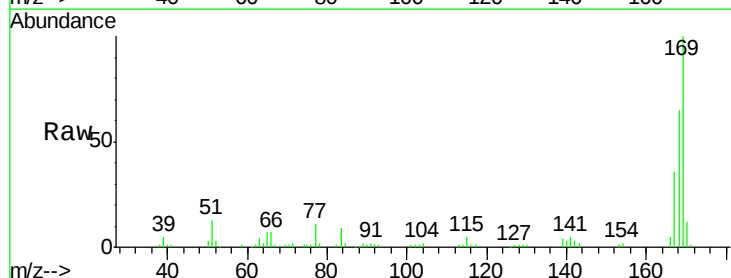
Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Tgt Ion:169 Resp: 120385

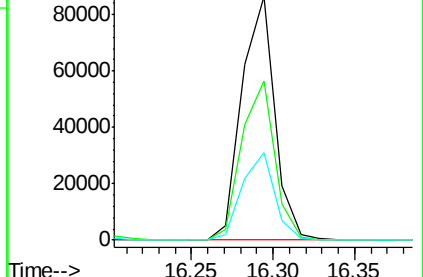
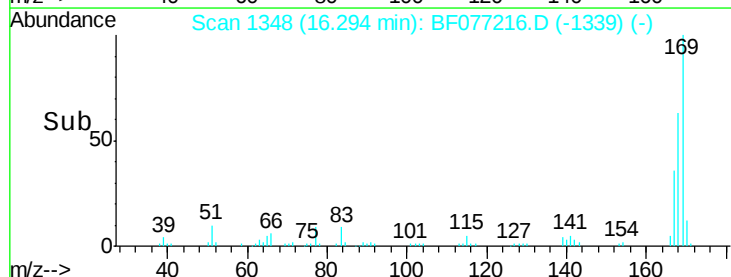
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 65.5  | 53.8  | 80.6  |
| 167 | 35.9  | 27.8  | 41.6  |

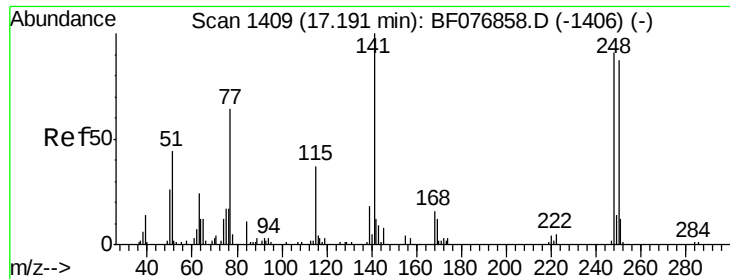


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 32.35 ng

RT: 16.91 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

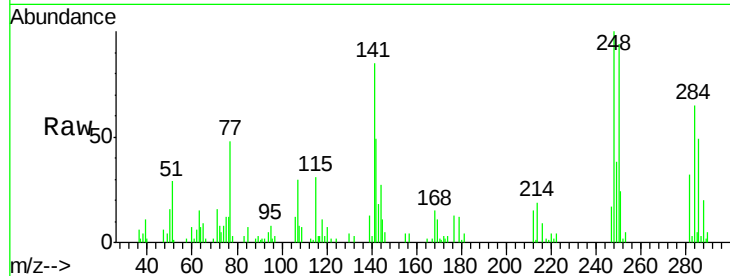
Tot Ion:248 Resp: 34447

Ion Ratio Lower Upper

248 100

250 93.9 77.1 115.7

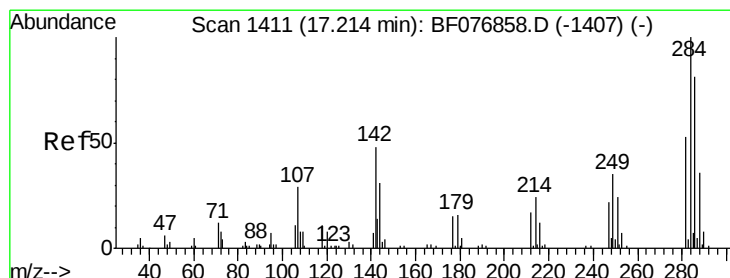
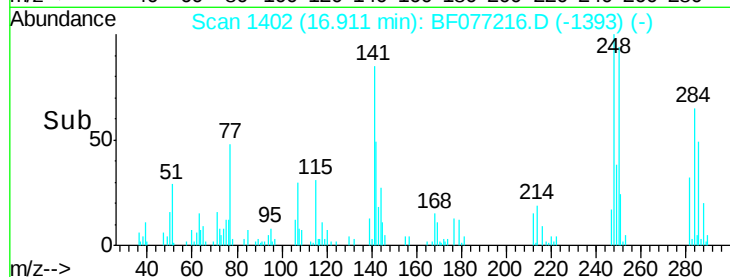
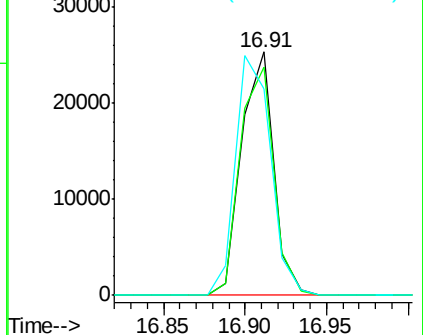
141 85.0 88.2 132.4#



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: 31.83 ng

RT: 16.92 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

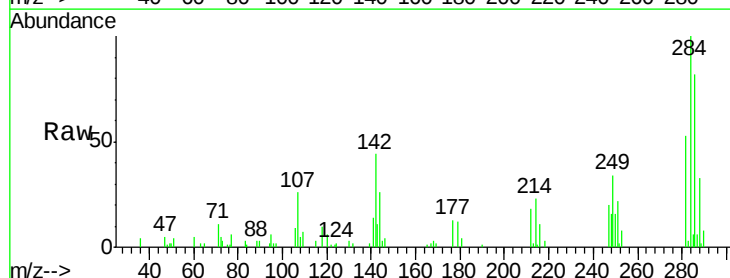
Tgt Ion:284 Resp: 35711

Ion Ratio Lower Upper

284 100

142 43.7 38.2 57.4

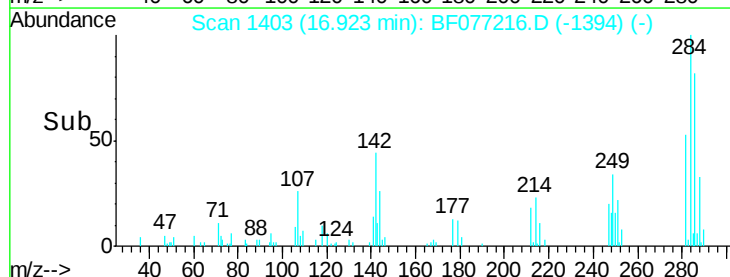
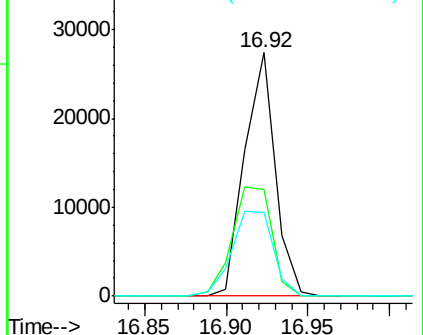
249 34.3 28.2 42.2

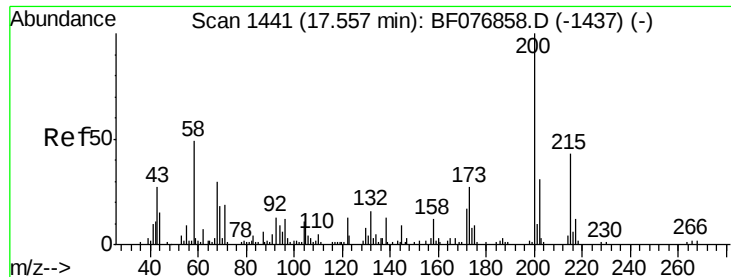


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#68

Atrazine

Concen: 36.18 ng

RT: 17.30 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

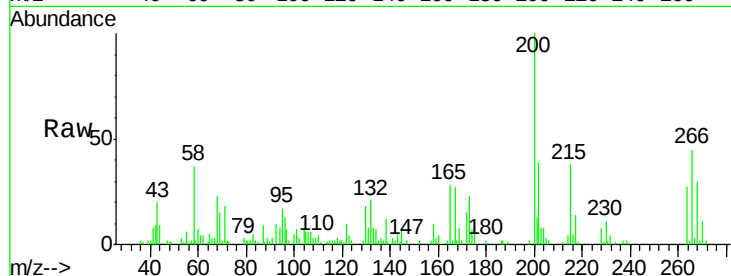
Tot Ion:200 Resp: 41147

Ion Ratio Lower Upper

200 100

173 23.0 6.6 46.6

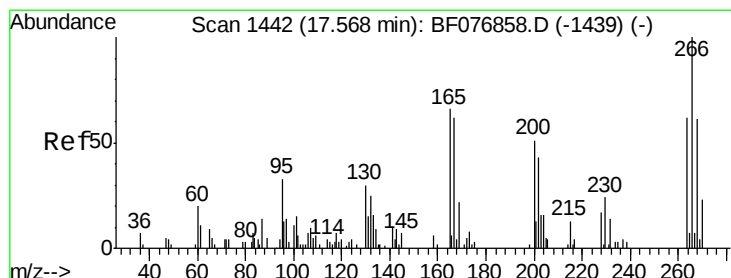
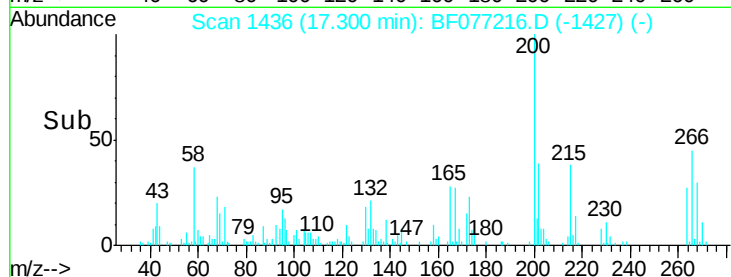
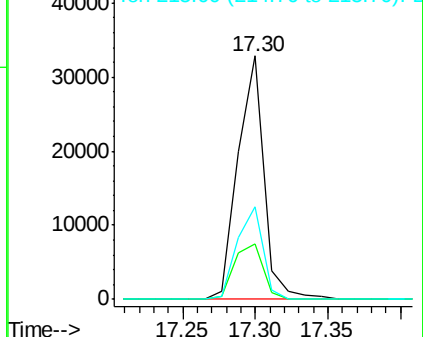
215 38.1 22.9 62.9



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: 48.53 ng

RT: 17.30 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

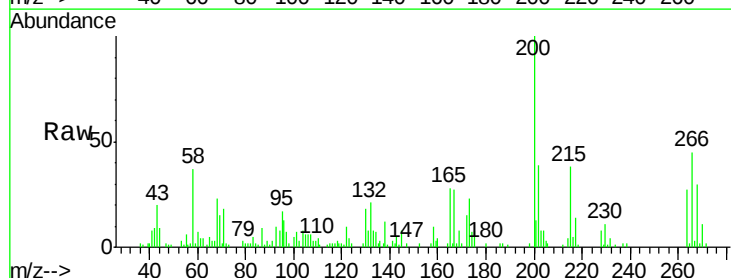
Tgt Ion:266 Resp: 23449

Ion Ratio Lower Upper

266 100

268 67.6 48.6 72.8

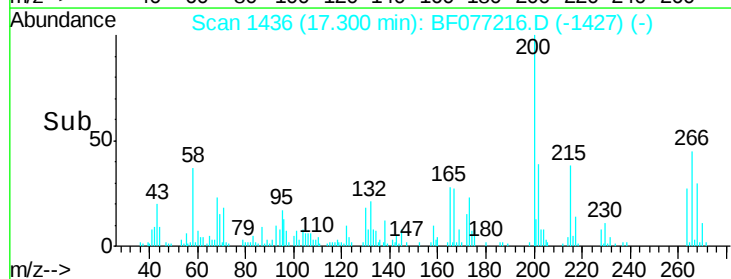
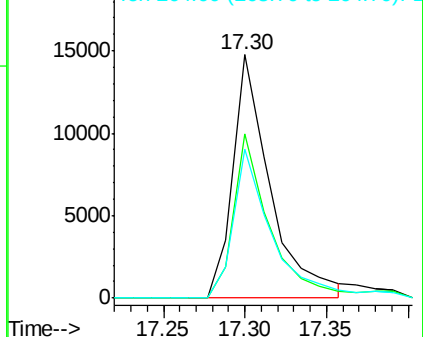
264 61.1 49.5 74.3

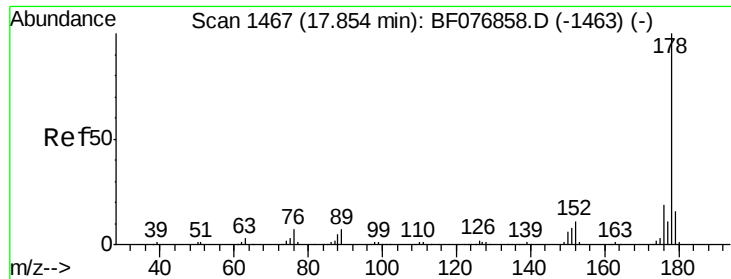


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 30.81 ng

RT: 17.57 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

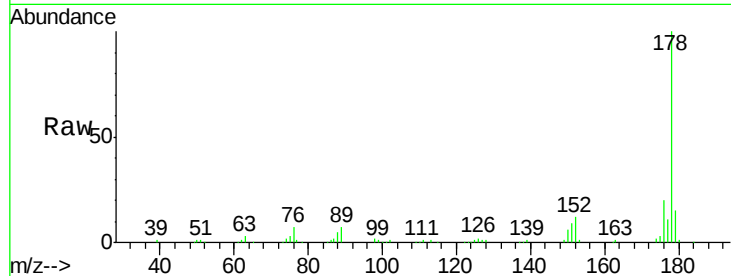
Tot Ion:178 Resp: 201944

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

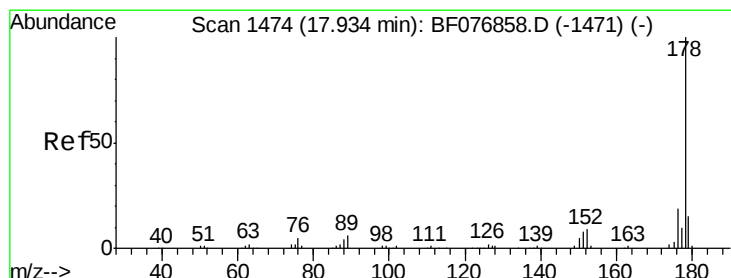
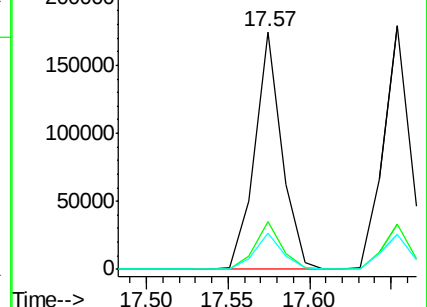
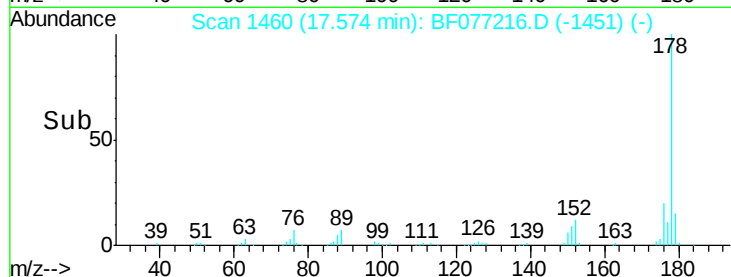
179 15.0 12.7 19.1



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: 32.41 ng

RT: 17.65 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

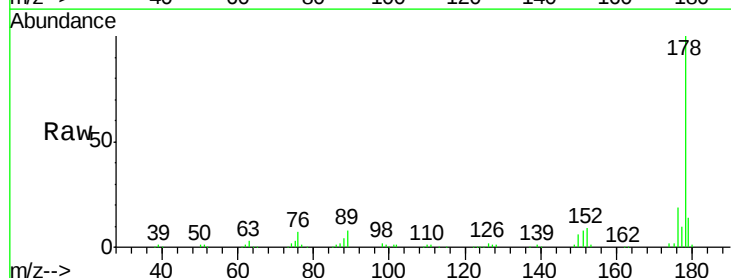
Tgt Ion:178 Resp: 207162

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

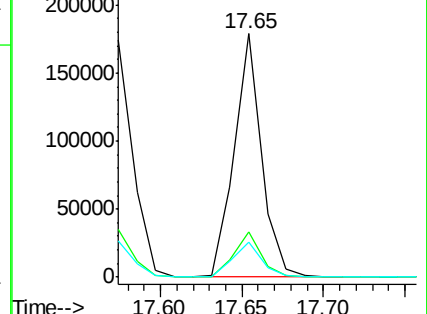
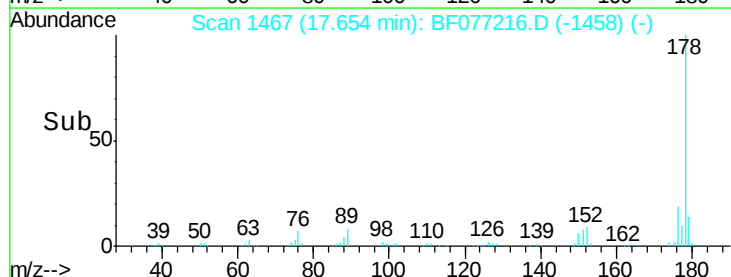
179 14.2 11.9 17.9

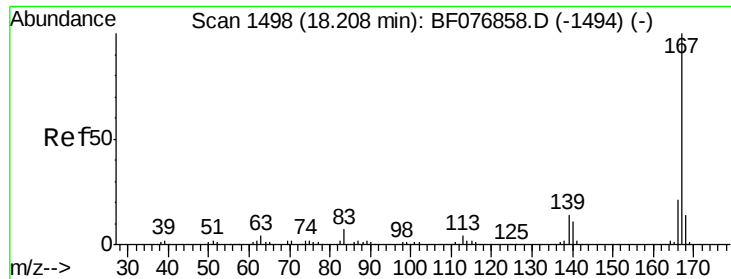


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

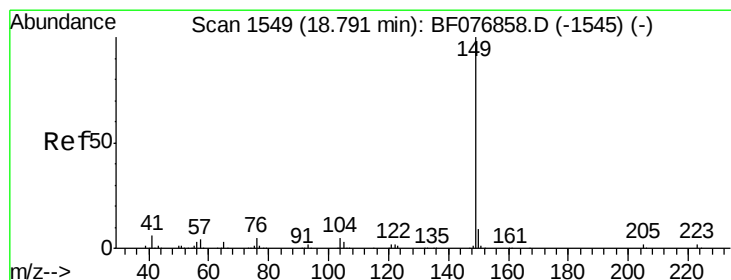
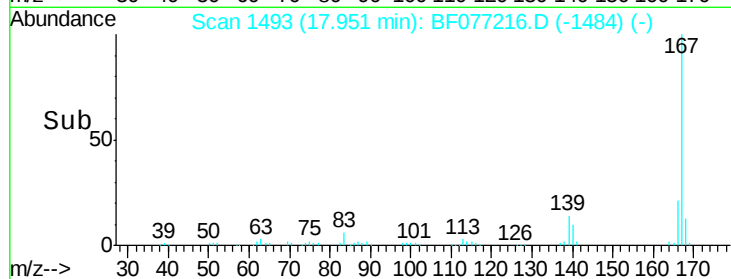
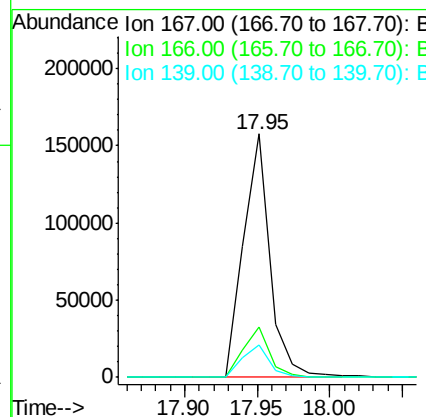
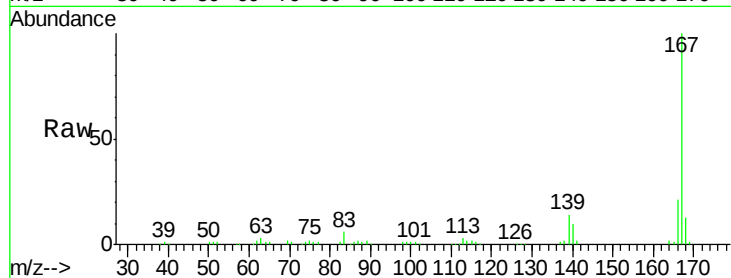




#72  
 Carbazole  
 Concen: 32.30 ng  
 RT: 17.95 min Scan# 1493  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

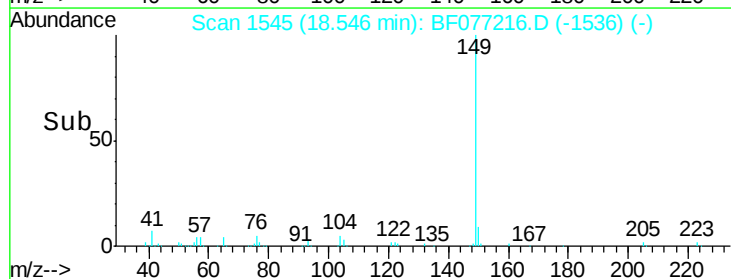
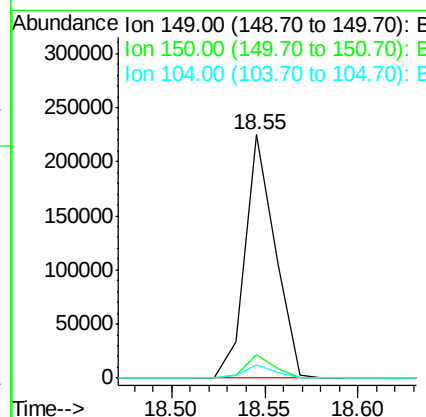
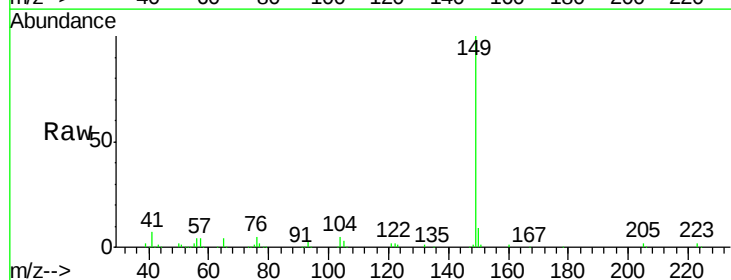
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81602BS

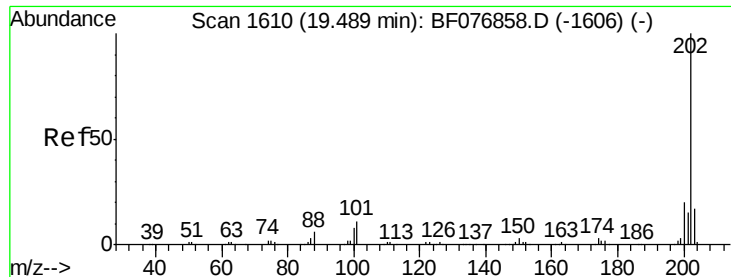
Tot Ion:167 Resp: 200227  
 Ion Ratio Lower Upper  
 167 100  
 166 20.9 17.0 25.6  
 139 13.6 11.3 16.9



#73  
 Di-n-butylphthalate  
 Concen: 34.96 ng  
 RT: 18.55 min Scan# 1545  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

Tgt Ion:149 Resp: 250884  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 6.9 10.3  
 104 5.4 3.7 5.5

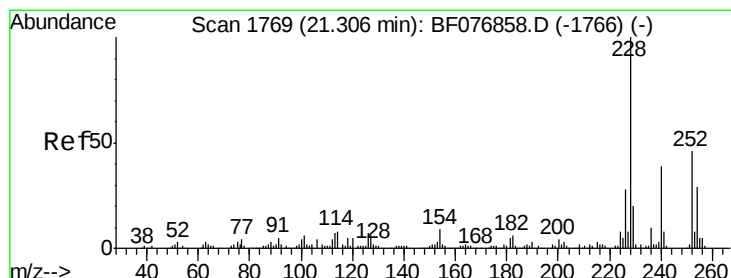
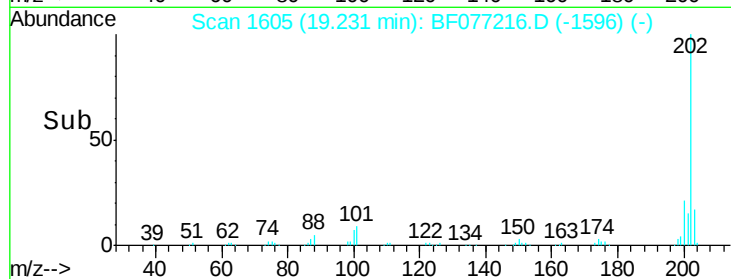
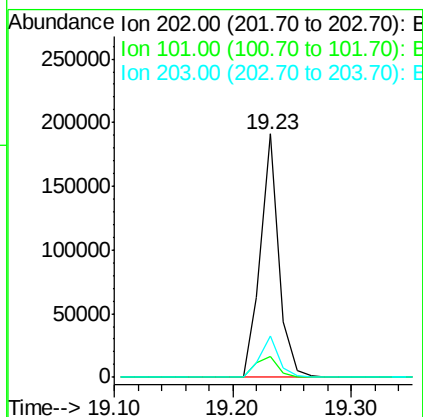
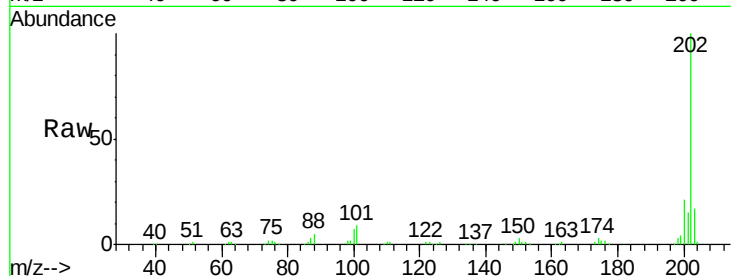




#74  
 Fluoranthene  
 Concen: 31.36 ng  
 RT: 19.23 min Scan# 1605  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

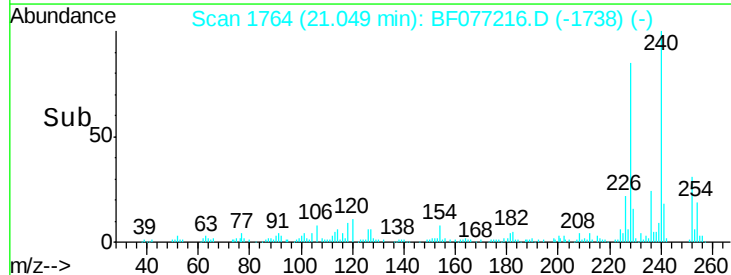
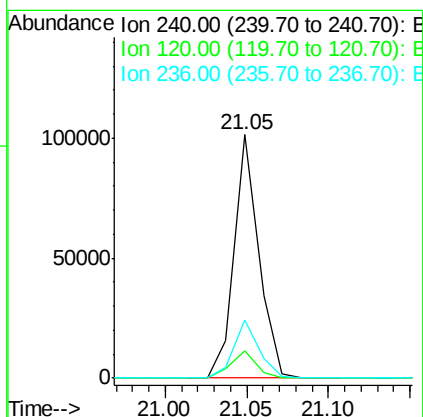
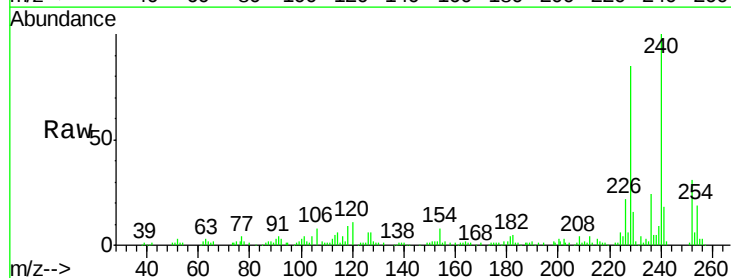
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81602BS

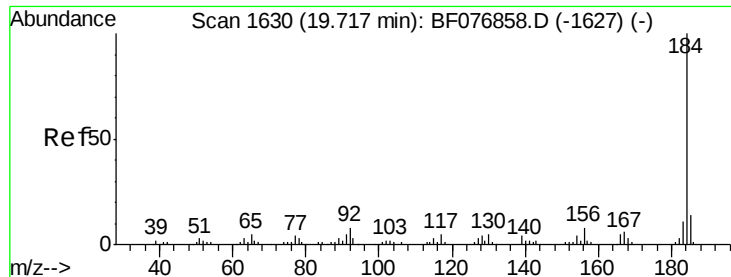
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.8   | 0.0   | 30.7  |
| 203     | 16.8  | 0.0   | 36.9  |



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.05 min Scan# 1764  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.2  | 10.4  | 15.6  |
| 236     | 23.7  | 20.2  | 30.2  |

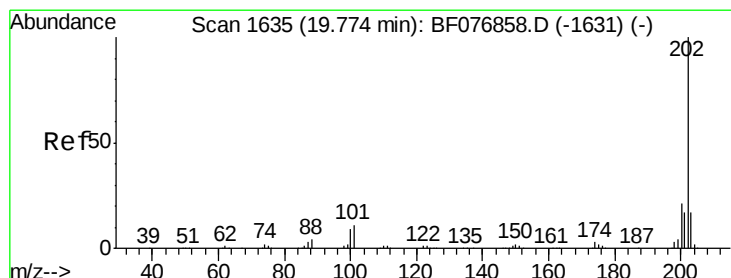
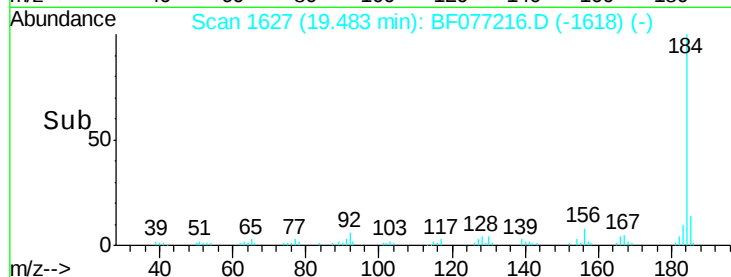
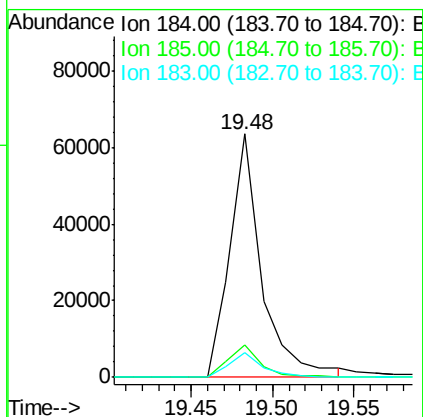
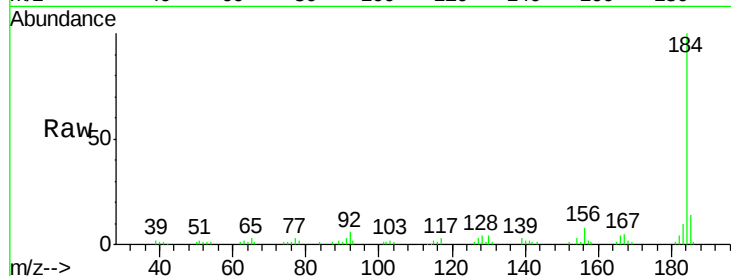




#76  
Benzidine  
Concen: 25.50 ng  
RT: 19.48 min Scan# 1627  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

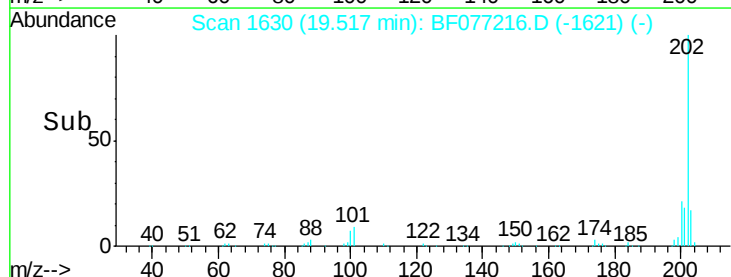
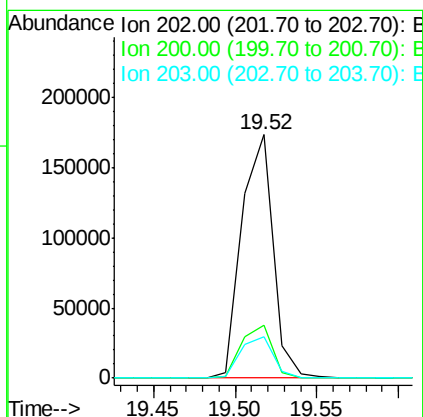
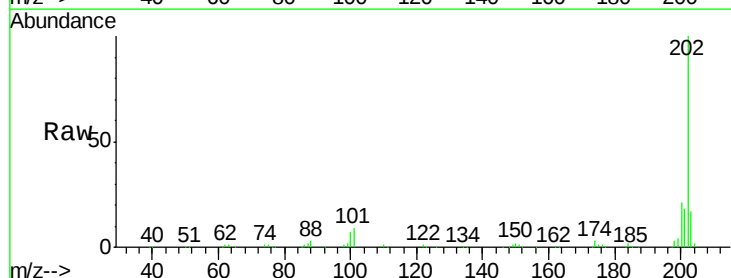
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

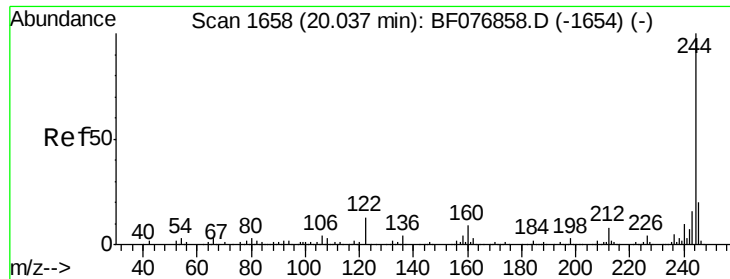
Tot Ion:184 Resp: 86014  
Ion Ratio Lower Upper  
184 100  
185 13.6 11.4 17.2  
183 10.3 9.0 13.6



#77  
Pyrene  
Concen: 31.95 ng  
RT: 19.52 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:202 Resp: 230858  
Ion Ratio Lower Upper  
202 100  
200 21.5 16.7 25.1  
203 17.2 14.0 21.0

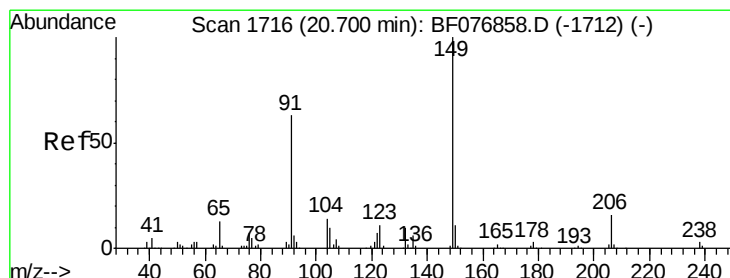
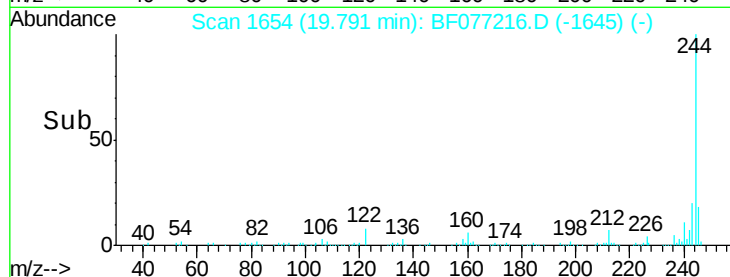
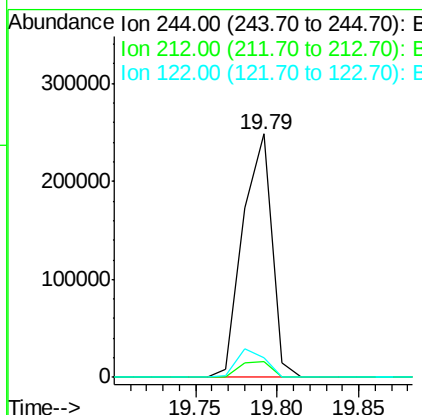
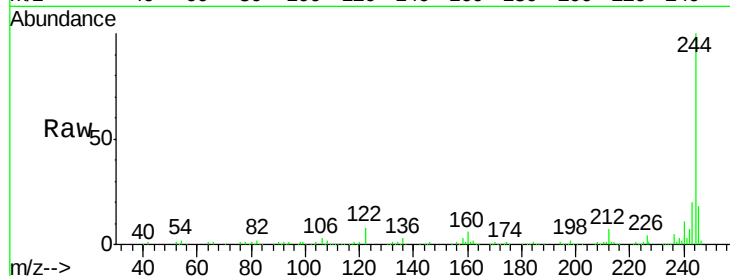




#78  
 Terphenyl-d14  
 Concen: 66.87 ng  
 RT: 19.79 min Scan# 1654  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

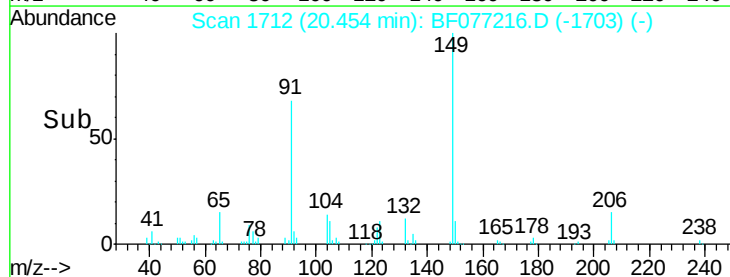
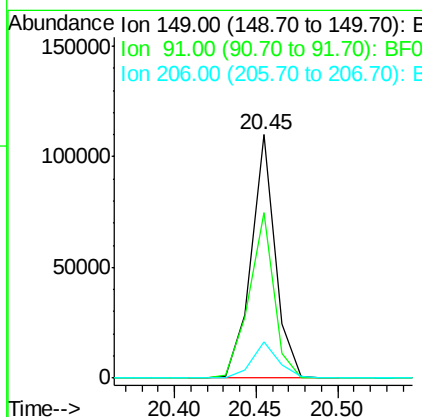
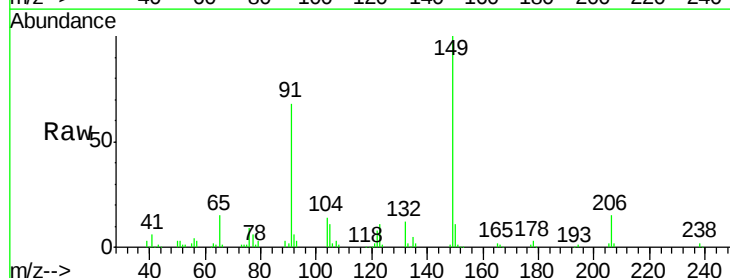
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81602BS

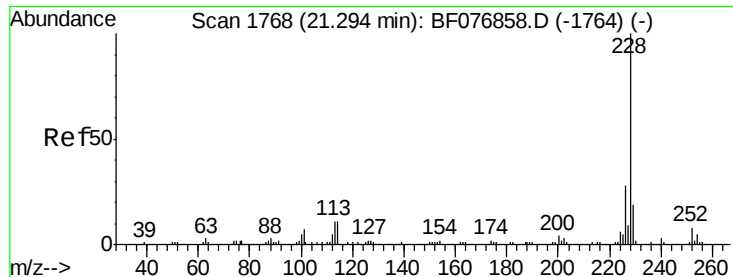
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 6.3   | 9.5   |
| 122     | 8.2   | 10.1  | 15.1# |



#79  
 Butylbenzylphthalate  
 Concen: 34.50 ng  
 RT: 20.45 min Scan# 1712  
 Delta R.T. -0.00 min  
 Lab File: BF077216.D  
 Acq: 6 Feb 2015 23:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 68.2  | 50.6  | 76.0  |
| 206     | 14.8  | 12.8  | 19.2  |

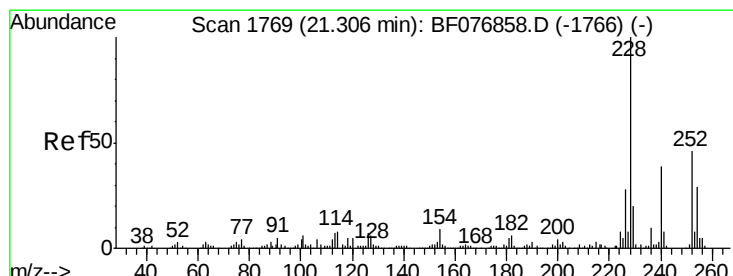
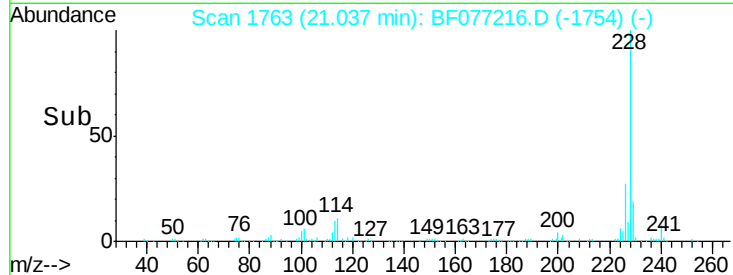
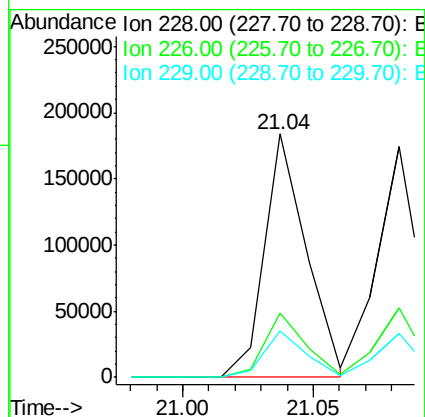
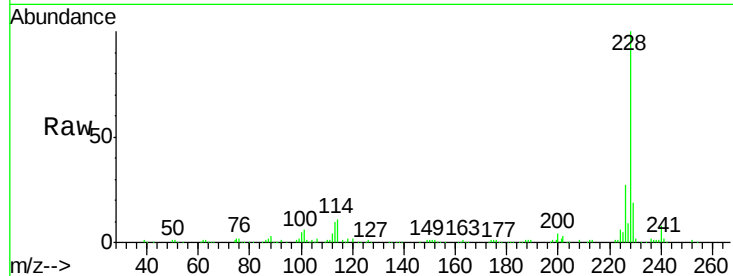




#80  
Benzo(a)anthracene  
Concen: 31.03 ng  
RT: 21.04 min Scan# 1763  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

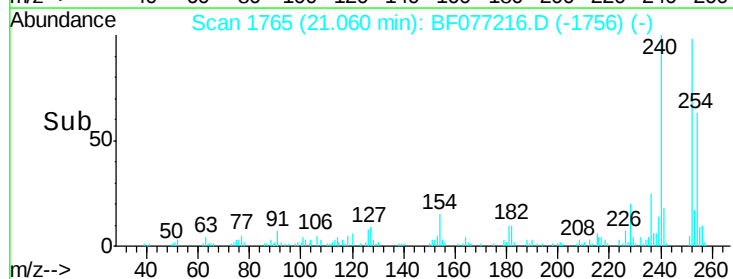
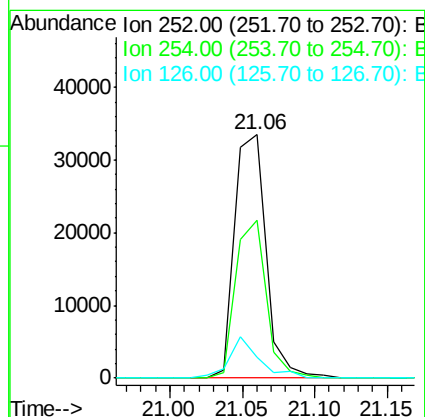
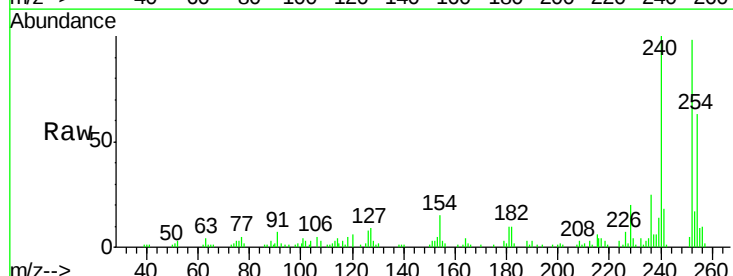
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

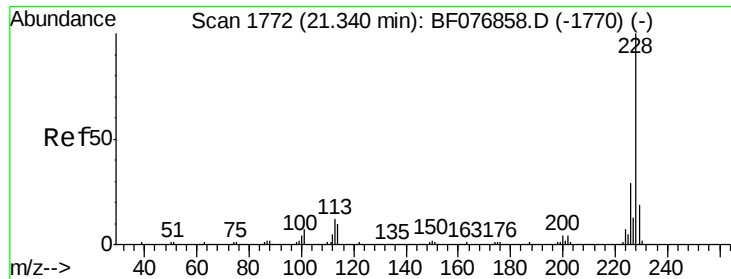
Tot Ion:228 Resp: 205225  
Ion Ratio Lower Upper  
228 100  
226 26.6 22.1 33.1  
229 19.0 15.5 23.3



#81  
3,3'-Dichlorobenzidine  
Concen: 24.09 ng  
RT: 21.06 min Scan# 1765  
Delta R.T. -0.00 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:252 Resp: 50630  
Ion Ratio Lower Upper  
252 100  
254 64.6 50.2 75.4  
126 8.4 11.5 17.3#





#82

Chrysene

Concen: 31.62 ng

RT: 21.08 min Scan# 1767

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

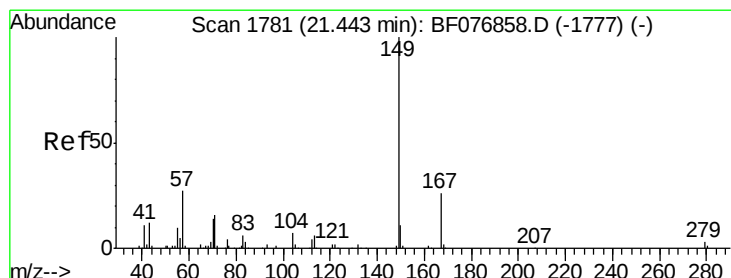
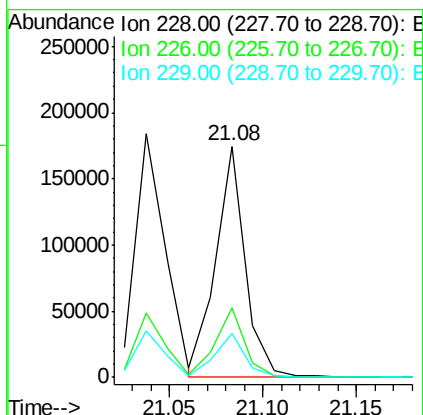
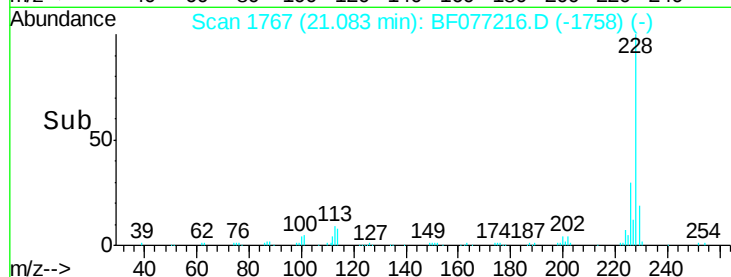
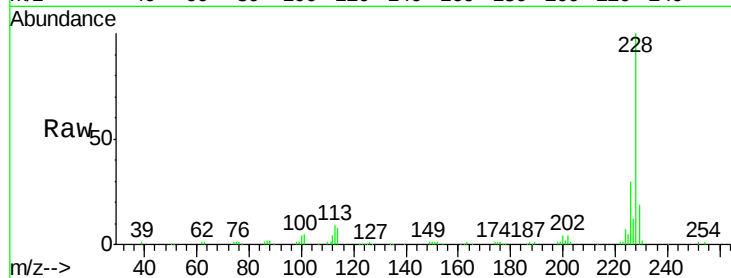
Tot Ion:228 Resp: 190718

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

229 18.9 15.4 23.0



#83

Bis(2-ethylhexyl)phthalate

Concen: 36.32 ng

RT: 21.20 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

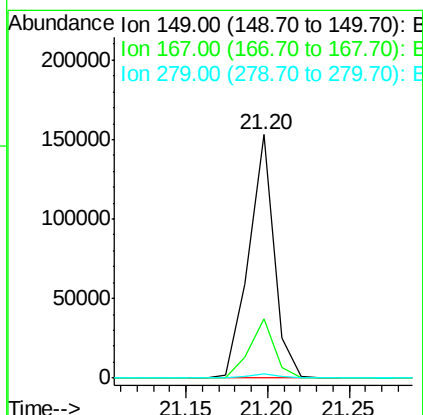
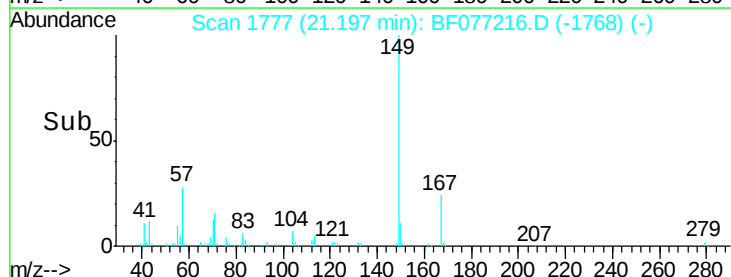
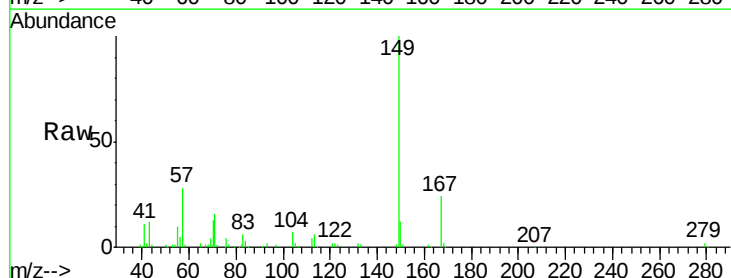
Tgt Ion:149 Resp: 164418

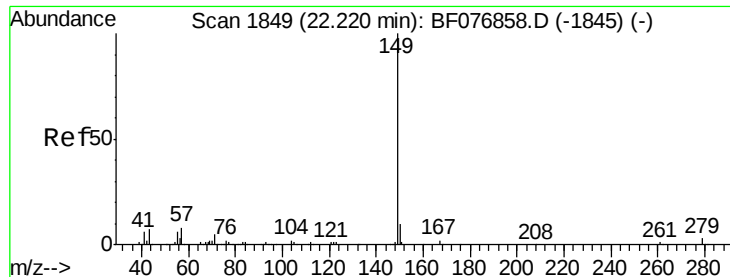
Ion Ratio Lower Upper

149 100

167 24.4 20.6 30.8

279 2.0 2.2 3.2#





#84

Di-n-octyl phthalate

Concen: 35.65 ng

RT: 21.95 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

Instrument :

BNA\_F

ClientSampleId :

PB81602BS

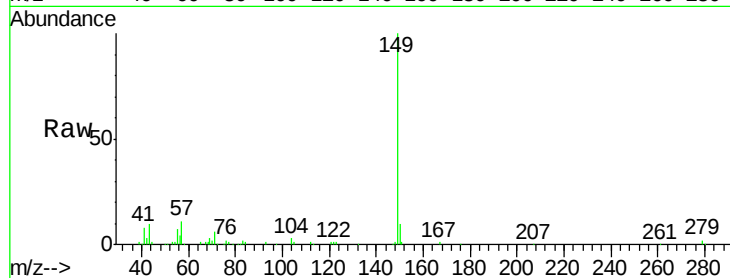
Tot Ion:149 Resp: 280088

Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

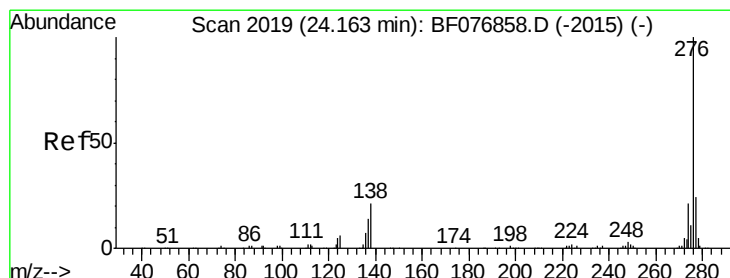
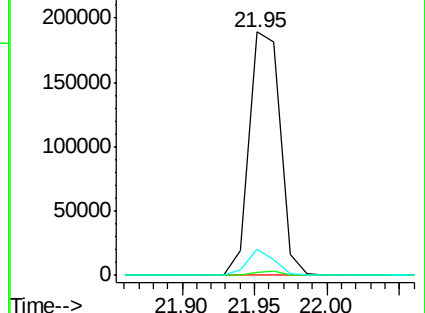
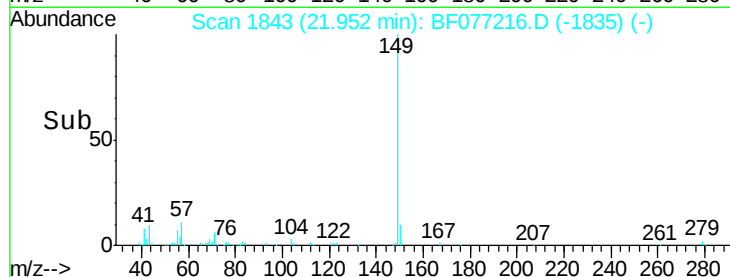
43 9.2 6.6 10.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 30.46 ng

RT: 23.78 min Scan# 2003

Delta R.T. -0.06 min

Lab File: BF077216.D

Acq: 6 Feb 2015 23:12

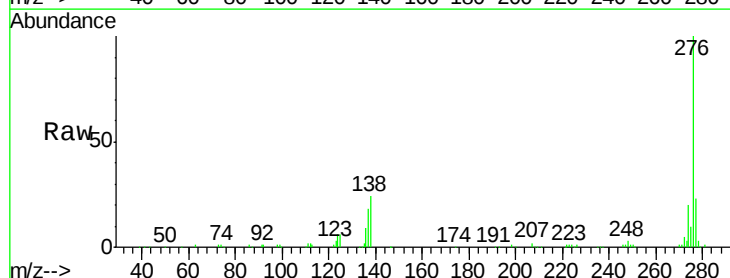
Tgt Ion:276 Resp: 194698

Ion Ratio Lower Upper

276 100

138 26.8 14.6 22.0#

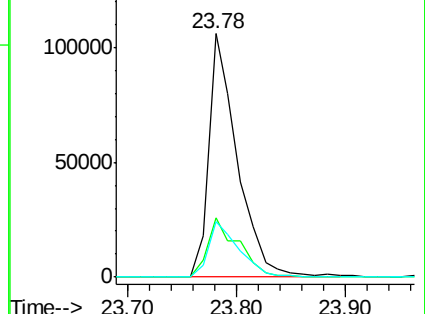
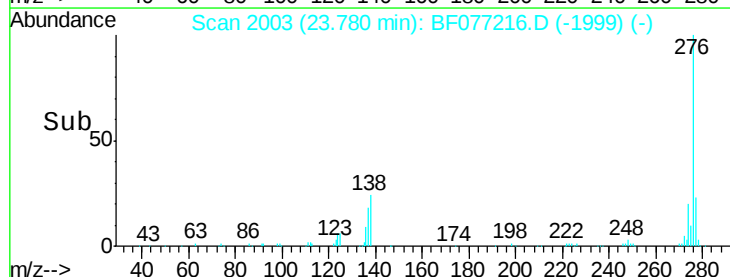
277 24.2 14.8 22.2#

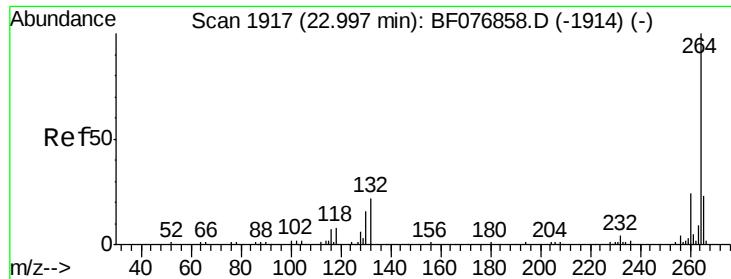


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

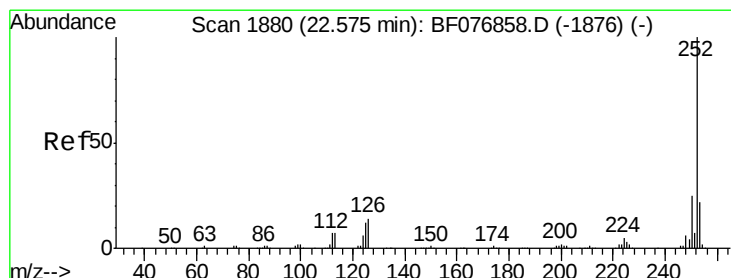
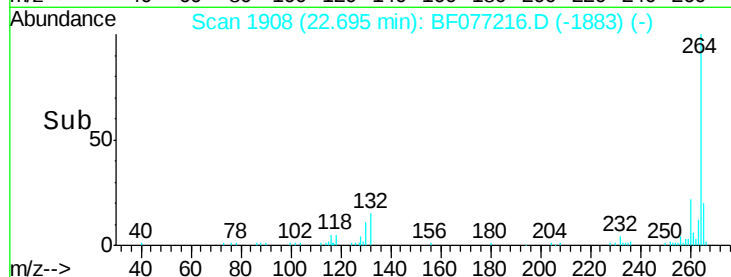
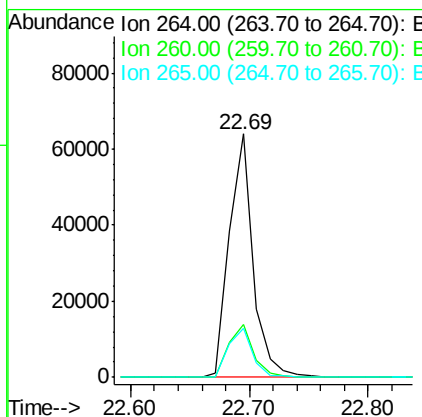
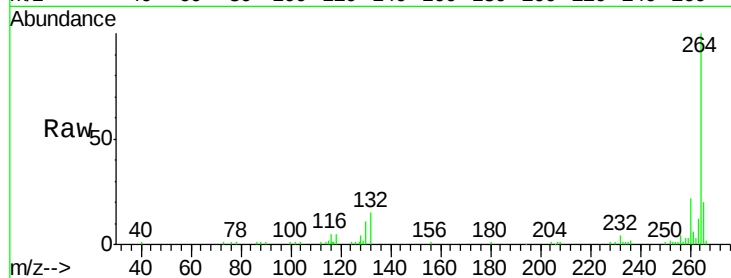




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 22.69 min Scan# 1908  
Delta R.T. -0.01 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

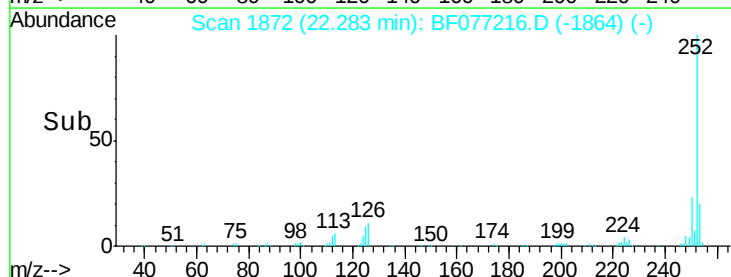
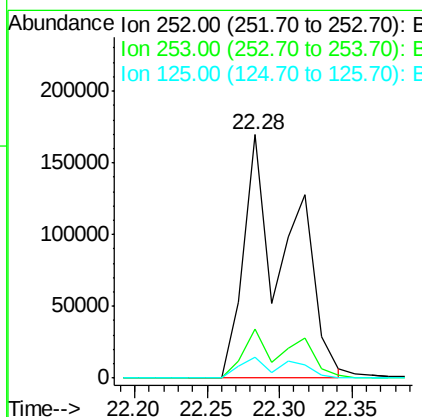
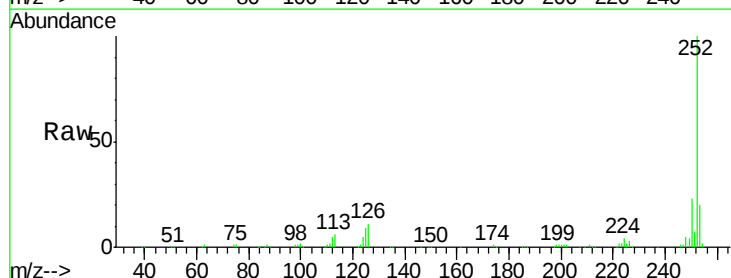
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

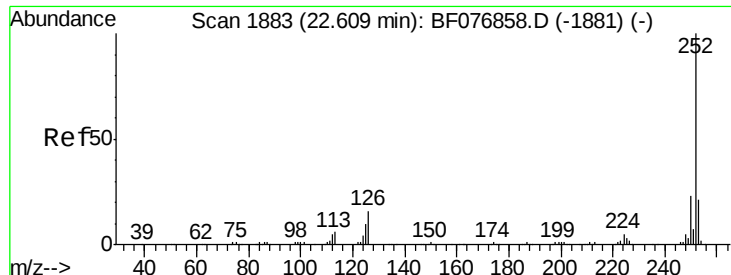
Tot Ion:264 Resp: 88619  
Ion Ratio Lower Upper  
264 100  
260 22.0 19.0 28.4  
265 20.3 18.1 27.1



#87  
Benzo(b)fluoranthene  
Concen: 61.62 ng  
RT: 22.28 min Scan# 1872  
Delta R.T. -0.01 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:252 Resp: 367808  
Ion Ratio Lower Upper  
252 100  
253 20.3 17.5 26.3  
125 8.5 9.4 14.0#

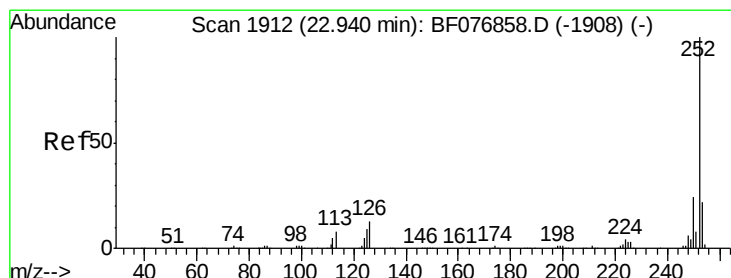
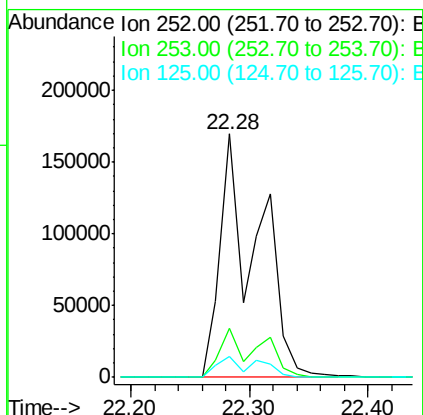
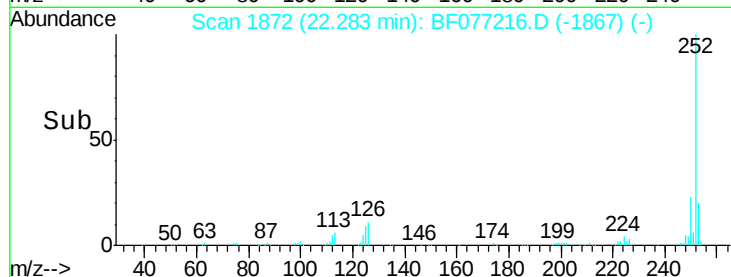
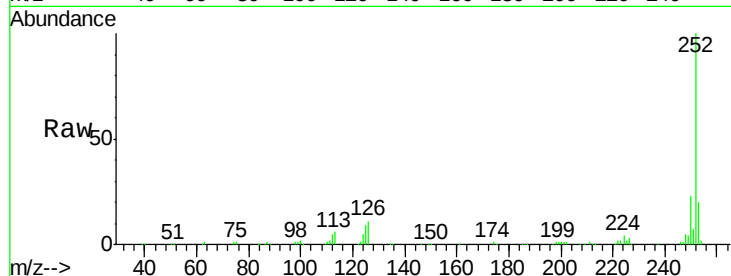




#88  
Benzo(k)fluoranthene  
Concen: 71.33 ng  
RT: 22.28 min Scan# 1872  
Delta R.T. -0.05 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

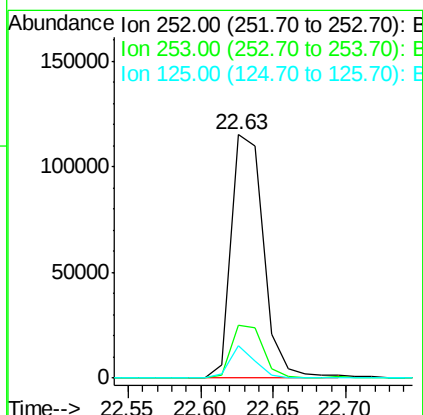
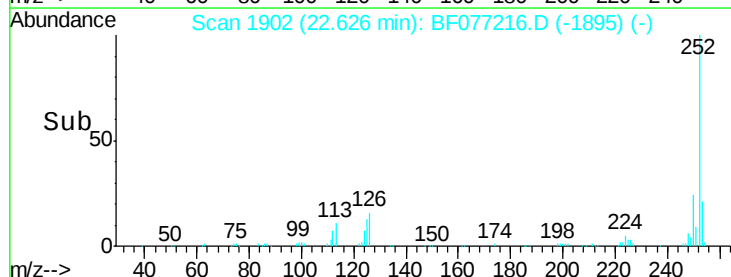
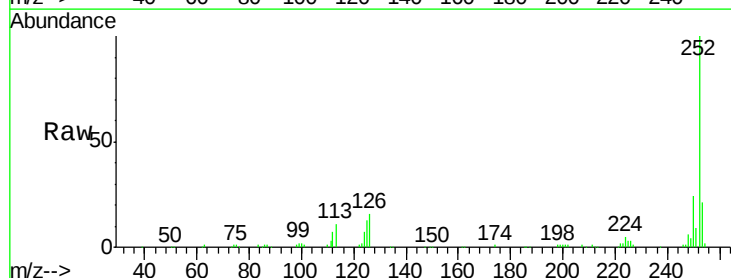
Instrument :  
BNA\_F  
ClientSampleId :  
PB81602BS

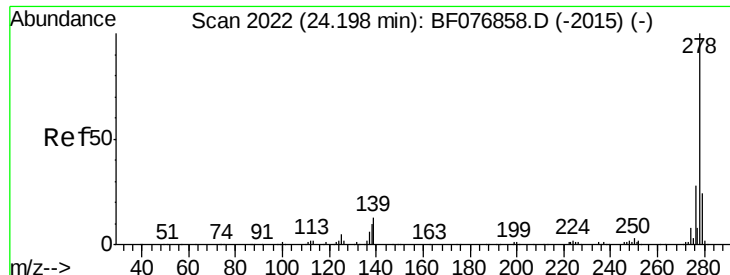
Tot Ion:252 Resp: 371936  
Ion Ratio Lower Upper  
252 100  
253 20.3 17.2 25.8  
125 8.5 7.1 10.7



#89  
Benzo(a)pyrene  
Concen: 34.18 ng  
RT: 22.63 min Scan# 1902  
Delta R.T. -0.02 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:252 Resp: 179967  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.9 26.9  
125 13.3 7.2 10.8#



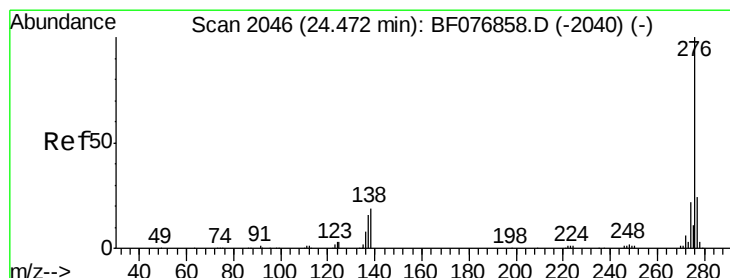
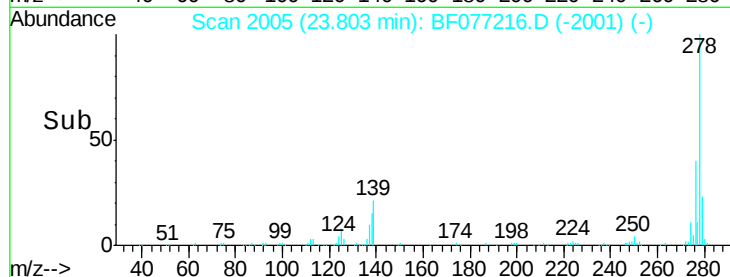
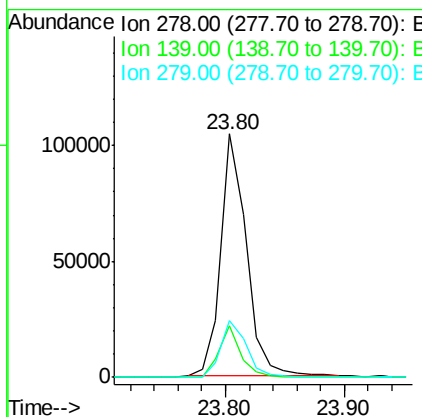
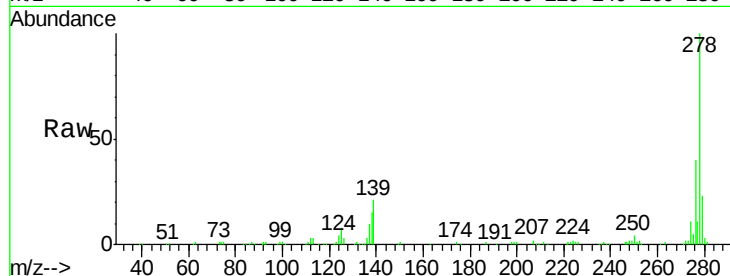


#90  
Dibenzo(a,h)anthracene  
Concen: 32.42 ng  
RT: 23.80 min Scan# 2005  
Delta R.T. -0.06 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Instrument :  
BNA\_F  
ClientSampled :  
PB81602BS

Tot Ion:278 Resp: 156601  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 21.2  | 10.5  | 15.7# |
| 279 | 23.1  | 19.3  | 28.9  |



#91  
Benzo(g,h,i)perylene  
Concen: 33.84 ng  
RT: 24.04 min Scan# 2026  
Delta R.T. -0.06 min  
Lab File: BF077216.D  
Acq: 6 Feb 2015 23:12

Tgt Ion:276 Resp: 162526  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 22.2  | 19.5  | 29.3  |
| 138 | 27.2  | 15.0  | 22.6# |

