

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042215\  
 Data File : BF078729.D  
 Acq On : 22 Apr 2015 22:09  
 Operator : TP/IZ  
 Sample : PB82885BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

Quant Time: Apr 23 01:14:47 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 23 00:55:17 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.79  | 152  | 27041    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.94  | 136  | 110286   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 11.13 | 164  | 55343    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 13.86 | 188  | 113579   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 17.74 | 240  | 120901   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 19.44 | 264  | 121031   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 3.80  | 112 | 210455 | 128.32 | ng | 0.00 |
| 7) Phenol-d6             | 5.29  | 99  | 265598 | 129.22 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 6.73  | 82  | 156199 | 85.85  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 12.61 | 330 | 70962  | 154.60 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.96  | 172 | 337250 | 87.11  | ng | 0.00 |
| 78) Terphenyl-d14        | 16.40 | 244 | 429178 | 80.21  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.38 | 88  | 22319  | 30.09 | ng | # 23   |
| 3) Pyridine                    | 1.86 | 79  | 69155  | 35.60 | ng | 93     |
| 4) n-Nitrosodimethylamine      | 1.82 | 42  | 36690  | 49.06 | ng | 80     |
| 6) Aniline                     | 5.28 | 93  | 67221  | 23.06 | ng | 92     |
| 8) 2-Chlorophenol              | 5.45 | 128 | 80633  | 41.58 | ng | 98     |
| 9) Benzaldehyde                | 5.10 | 77  | 6033   | 4.43  | ng | 91     |
| 10) Phenol                     | 5.31 | 94  | 100909 | 40.97 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 5.42 | 93  | 70363  | 39.73 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 5.68 | 146 | 83152  | 39.03 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 5.82 | 146 | 84890  | 39.59 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 6.04 | 146 | 80286  | 39.93 | ng | 99     |
| 15) Benzyl Alcohol             | 6.07 | 79  | 66583  | 46.10 | ng | 89     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.31 | 45  | 93724  | 39.67 | ng | 86     |
| 17) 2-Methylphenol             | 6.30 | 107 | 63353  | 42.08 | ng | 95     |
| 18) Hexachloroethane           | 6.59 | 117 | 28446  | 39.34 | ng | # 81   |
| 19) n-Nitroso-di-n-propylamine | 6.52 | 70  | 56273  | 41.50 | ng | 93     |
| 20) 3+4-Methylphenols          | 6.57 | 107 | 82067  | 40.86 | ng | 92     |
| 22) Acetophenone               | 6.49 | 105 | 110239 | 42.90 | ng | # 94   |
| 24) Nitrobenzene               | 6.76 | 77  | 78892  | 41.48 | ng | 93     |
| 25) Isophorone                 | 7.19 | 82  | 145095 | 42.02 | ng | 94     |
| 26) 2-Nitrophenol              | 7.31 | 139 | 40042  | 44.18 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.47 | 122 | 72504  | 43.02 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.63 | 93  | 90380  | 40.82 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.75 | 162 | 67337  | 43.91 | ng | 89     |
| 30) 1,2,4-Trichlorobenzene     | 7.87 | 180 | 69737  | 39.67 | ng | 98     |
| 31) Naphthalene                | 7.99 | 128 | 228401 | 39.79 | ng | 99     |
| 32) Benzoic acid               | 7.71 | 122 | 41721  | 52.07 | ng | 97     |
| 33) 4-Chloroaniline            | 8.15 | 127 | 55476  | 23.29 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.24 | 225 | 38955  | 40.35 | ng | 96     |
| 35) Caprolactam                | 8.78 | 113 | 19549  | 42.71 | ng | 90     |
| 36) 4-Chloro-3-methylphenol    | 9.11 | 107 | 72455  | 46.83 | ng | 94     |
| 37) 2-Methylnaphthalene        | 9.24 | 142 | 157794 | 40.49 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.55 | 216 | 68803  | 40.12 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.54 | 237 | 52499  | 71.87 | ng | 96     |

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 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

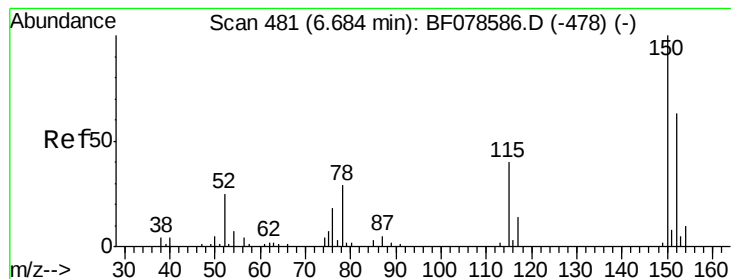
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

Quant Time: Apr 23 01:14:47 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 23 00:55:17 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.80  | 196  | 47372    | 43.80 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.88  | 196  | 48873    | 43.26 | ng #  | 92       |
| 45) 1,1'-Biphenyl              | 10.12 | 154  | 190490   | 42.08 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 10.12 | 162  | 145838   | 40.95 | ng    | 98       |
| 47) 2-Nitroaniline             | 10.38 | 65   | 42966    | 48.76 | ng #  | 62       |
| 48) Acenaphthylene             | 10.87 | 152  | 245928   | 42.76 | ng    | 100      |
| 49) Dimethylphthalate          | 10.78 | 163  | 180630   | 43.44 | ng #  | 98       |
| 50) 2,6-Dinitrotoluene         | 10.87 | 165  | 37908    | 44.31 | ng #  | 48       |
| 51) Acenaphthene               | 11.20 | 154  | 138991   | 42.92 | ng    | 100      |
| 52) 3-Nitroaniline             | 11.14 | 138  | 31684    | 32.57 | ng    | 97       |
| 53) 2,4-Dinitrophenol          | 11.37 | 184  | 26946    | 80.66 | ng    | 95       |
| 54) Dibenzofuran               | 11.52 | 168  | 221181   | 44.72 | ng    | 100      |
| 55) 4-Nitrophenol              | 11.58 | 139  | 52155    | 73.07 | ng    | 88       |
| 56) 2,4-Dinitrotoluene         | 11.60 | 165  | 54572    | 49.26 | ng #  | 85       |
| 57) Fluorene                   | 12.15 | 166  | 178899   | 44.62 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.79 | 232  | 36899    | 44.05 | ng    | 97       |
| 59) Diethylphthalate           | 12.09 | 149  | 184914   | 46.12 | ng    | 96       |
| 60) 4-Chlorophenyl-phenylether | 12.22 | 204  | 82568    | 44.77 | ng #  | 85       |
| 61) 4-Nitroaniline             | 12.27 | 138  | 40162    | 40.85 | ng    | 97       |
| 62) Azobenzene                 | 12.50 | 77   | 169177   | 46.24 | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 12.34 | 198  | 23177    | 42.34 | ng    | 86       |
| 65) n-Nitrosodiphenylamine     | 12.46 | 169  | 156977   | 39.96 | ng    | 97       |
| 66) 4-Bromophenyl-phenylether  | 13.11 | 248  | 51015    | 42.41 | ng    | 96       |
| 67) Hexachlorobenzene          | 13.15 | 284  | 54492    | 41.34 | ng    | 96       |
| 68) Atrazine                   | 13.52 | 200  | 58024    | 50.99 | ng    | 98       |
| 69) Pentachlorophenol          | 13.57 | 266  | 41817    | 72.36 | ng    | 99       |
| 70) Phenanthrene               | 13.91 | 178  | 270795   | 41.22 | ng    | 100      |
| 71) Anthracene                 | 14.00 | 178  | 277814   | 42.91 | ng    | 99       |
| 72) Carbazole                  | 14.34 | 167  | 268789   | 44.30 | ng    | 99       |
| 73) Di-n-butylphthalate        | 15.03 | 149  | 312960   | 45.53 | ng    | 100      |
| 74) Fluoranthene               | 15.81 | 202  | 307513   | 44.38 | ng    | 93       |
| 76) Benzidine                  | 16.07 | 184  | 107448   | 23.08 | ng    | 98       |
| 77) Pyrene                     | 16.11 | 202  | 319382   | 42.08 | ng    | 99       |
| 79) Butylbenzylphthalate       | 17.11 | 149  | 145453   | 50.28 | ng #  | 83       |
| 80) Benzo(a)anthracene         | 17.73 | 228  | 301372   | 41.90 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 17.74 | 252  | 86458    | 35.89 | ng #  | 98       |
| 82) Chrysene                   | 17.77 | 228  | 289069   | 42.77 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 17.87 | 149  | 217088   | 47.85 | ng    | 100      |
| 84) Di-n-octyl phthalate       | 18.65 | 149  | 373785   | 50.18 | ng #  | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 20.59 | 276  | 327538   | 42.71 | ng #  | 87       |
| 87) Benzo(b)fluoranthene       | 19.02 | 252  | 304423   | 40.70 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 19.02 | 252  | 304401   | 45.79 | ng #  | 93       |
| 89) Benzo(a)pyrene             | 19.37 | 252  | 281290   | 43.09 | ng #  | 95       |
| 90) Dibenzo(a,h)anthracene     | 20.62 | 278  | 264313   | 40.44 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 20.90 | 276  | 269485   | 41.12 | ng    | 96       |

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

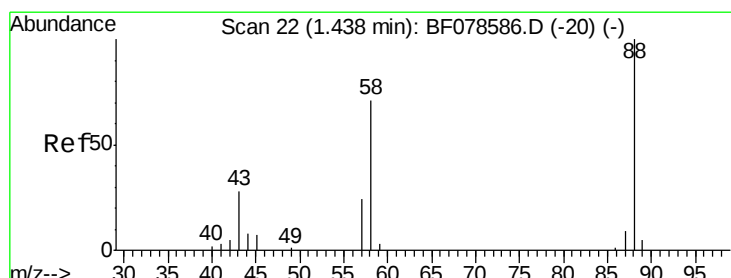
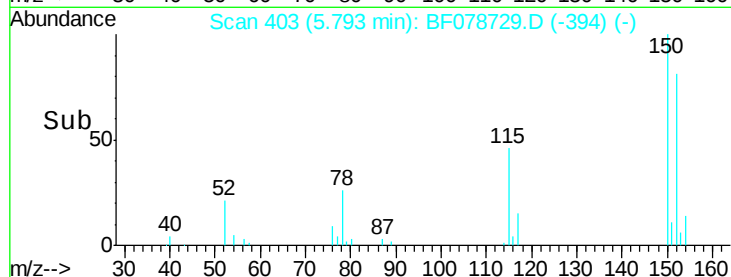
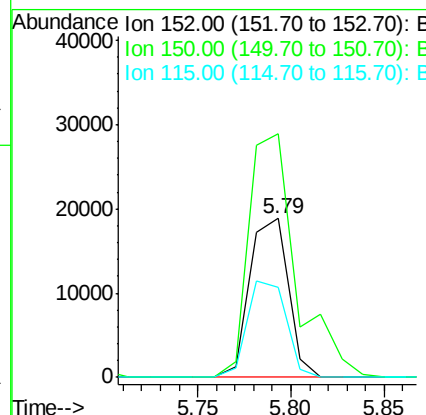
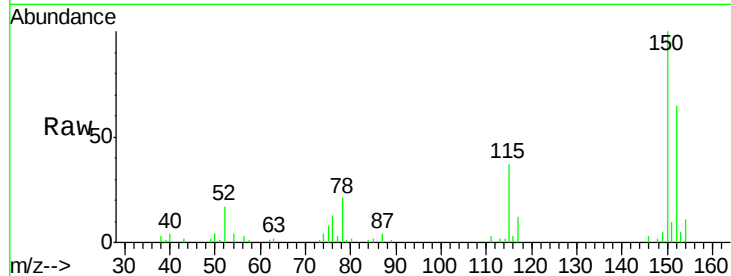




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 5.79 min Scan# 403  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

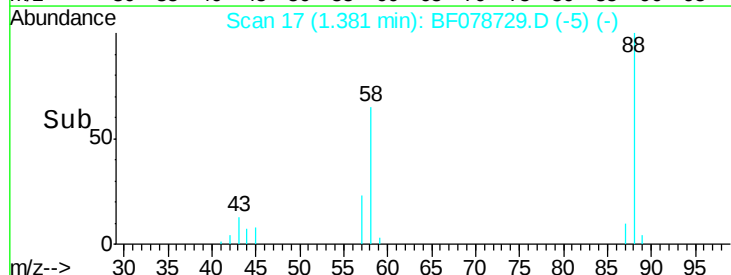
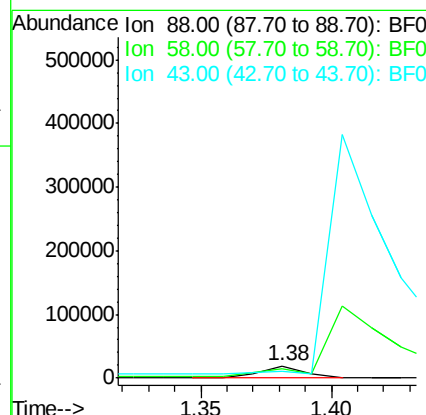
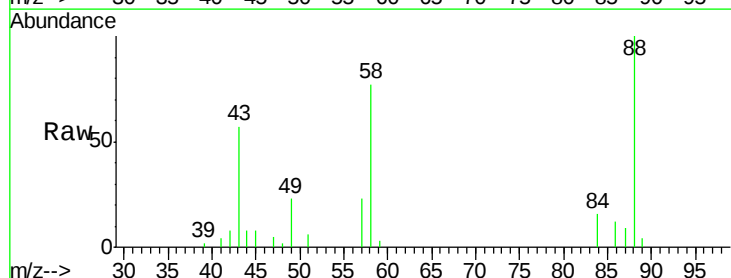
Instrument :  
 BNA\_F  
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 PB82885BS

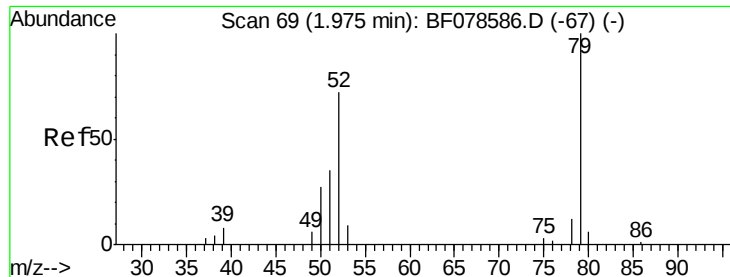
Tgt Ion: 152 Resp: 27041  
 Ion Ratio Lower Upper  
 152 100  
 150 153.6 125.9 188.9  
 115 56.4 52.7 79.1



#2  
 1,4-Dioxane  
 Concen: 30.09 ng  
 RT: 1.38 min Scan# 17  
 Delta R.T. 0.03 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion: 88 Resp: 22319  
 Ion Ratio Lower Upper  
 88 100  
 58 0.0 56.9 85.3#  
 43 0.0 21.4 32.2#





#3

Pyridine

Concen: 35.60 ng

RT: 1.86 min Scan# 59

Delta R.T. 0.02 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

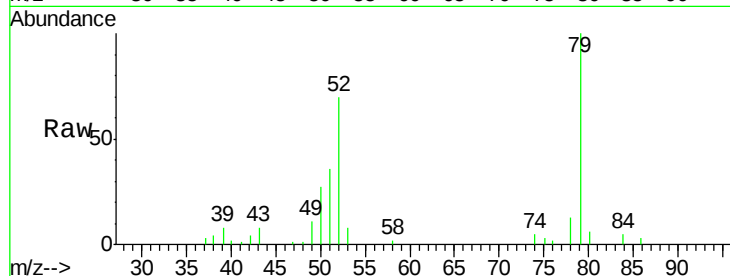
Tgt Ion: 79 Resp: 69155

Ion Ratio Lower Upper

79 100

52 70.0 52.4 78.6

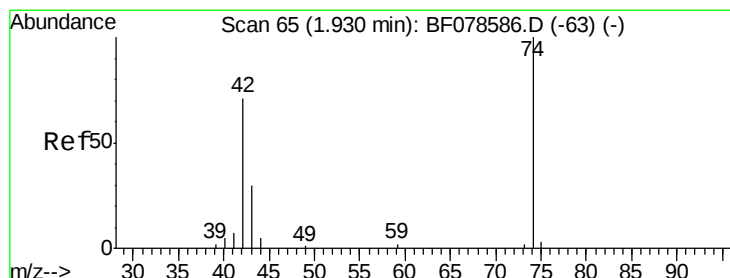
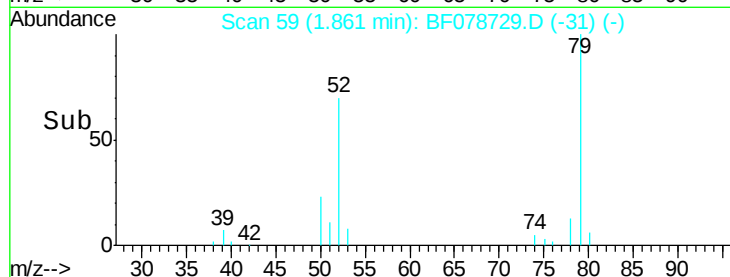
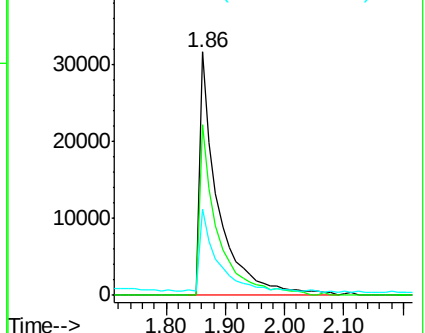
51 35.6 24.9 37.3



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: 49.06 ng

RT: 1.82 min Scan# 55

Delta R.T. 0.01 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

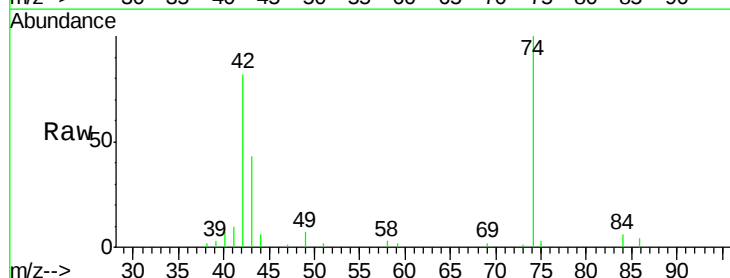
Tgt Ion: 42 Resp: 36690

Ion Ratio Lower Upper

42 100

74 121.7 118.7 178.1

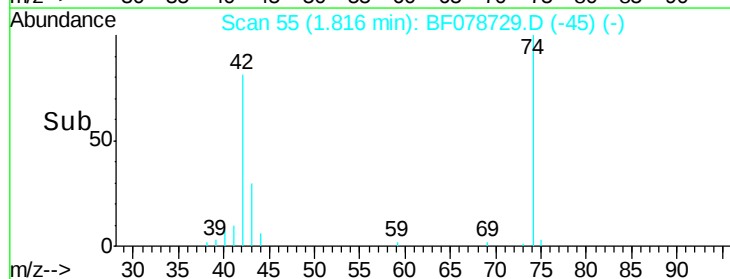
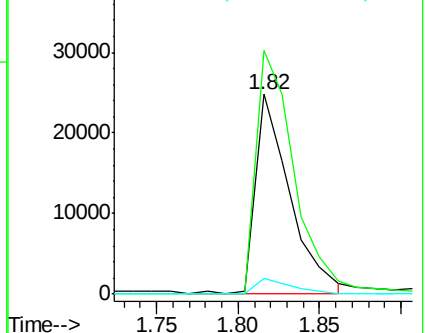
44 7.7 5.9 8.9

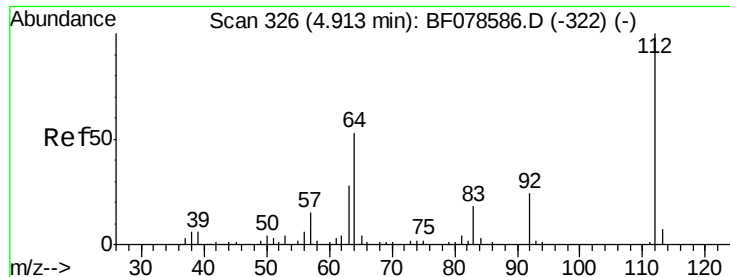


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 128.32 ng

RT: 3.80 min Scan# 229

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

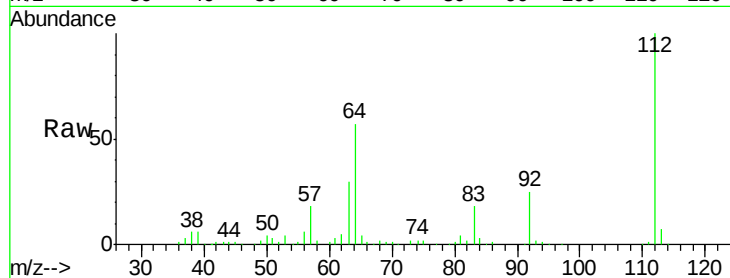
Tgt Ion: 112 Resp: 210455

Ion Ratio Lower Upper

112 100

64 56.6 39.9 59.9

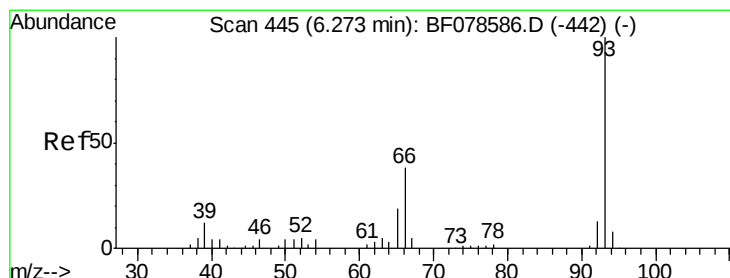
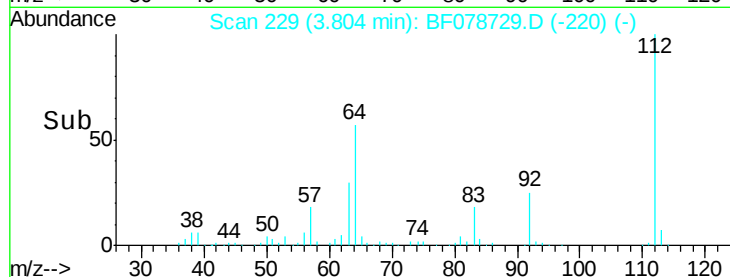
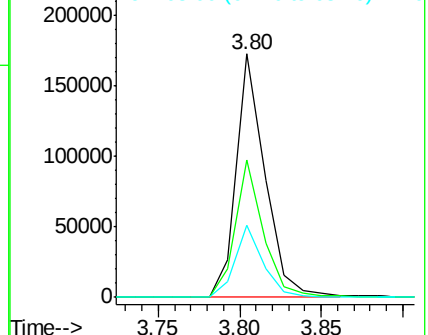
63 29.8 20.2 30.4



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: 23.06 ng

RT: 5.28 min Scan# 358

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

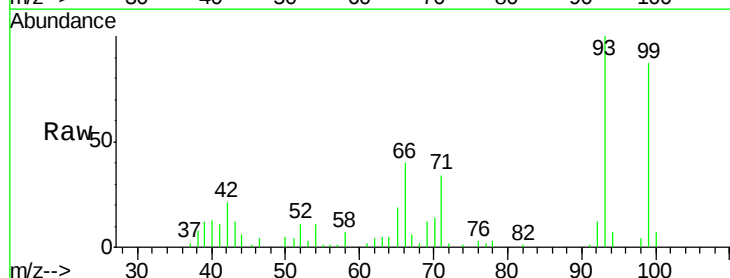
Tgt Ion: 93 Resp: 67221

Ion Ratio Lower Upper

93 100

66 40.4 38.0 57.0

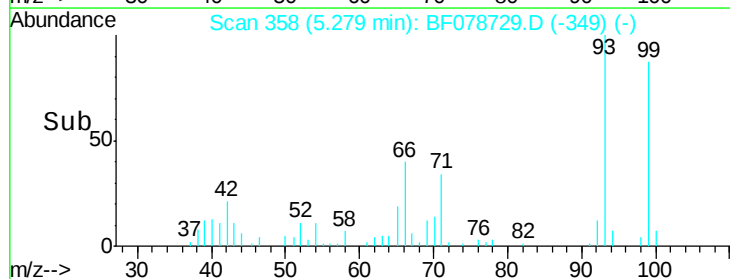
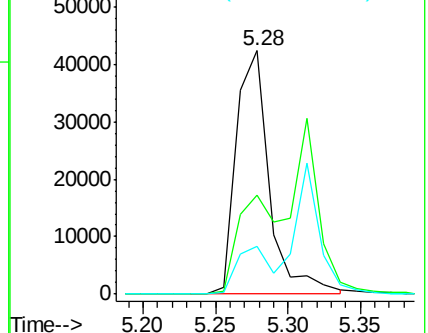
65 19.5 16.3 24.5

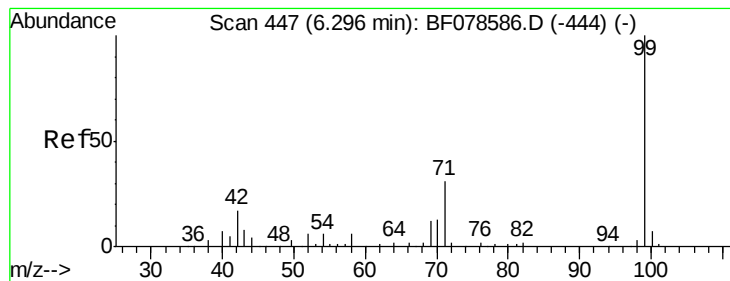


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 129.22 ng

RT: 5.29 min Scan# 359

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

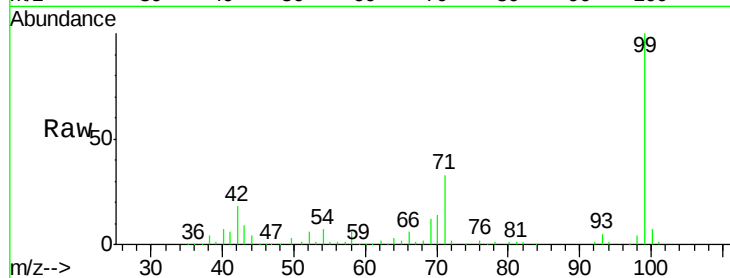
Tgt Ion: 99 Resp: 265598

Ion Ratio Lower Upper

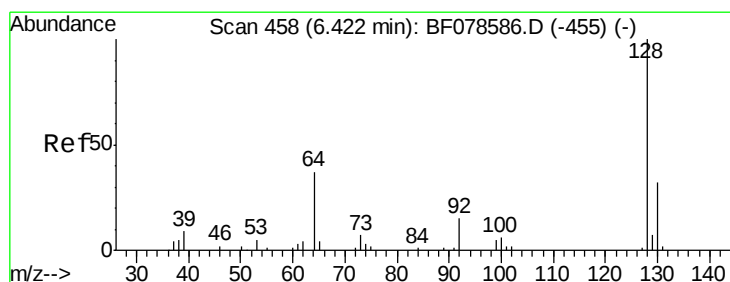
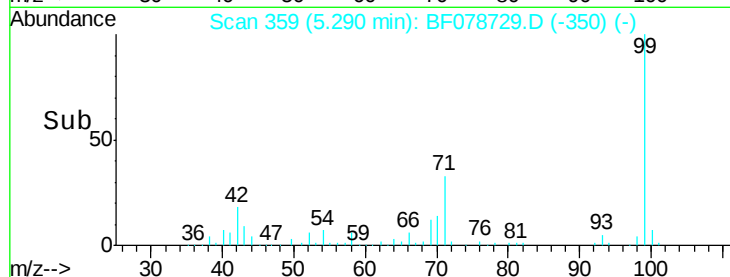
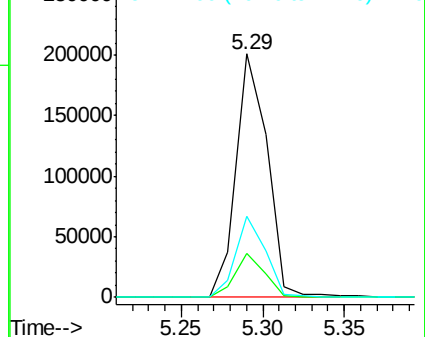
99 100

42 18.2 14.8 22.2

71 33.5 26.6 39.8



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: 41.58 ng

RT: 5.45 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

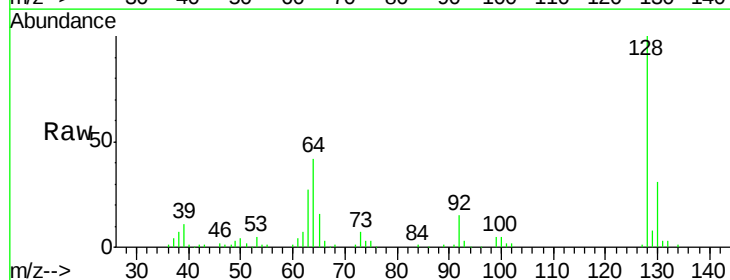
Tgt Ion: 128 Resp: 80633

Ion Ratio Lower Upper

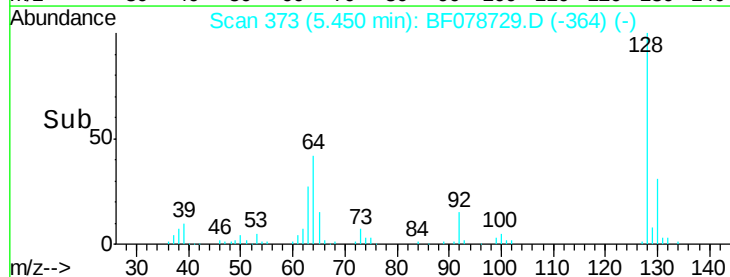
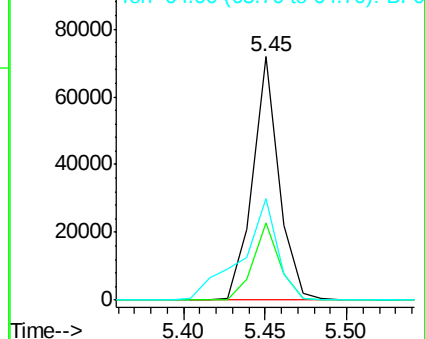
128 100

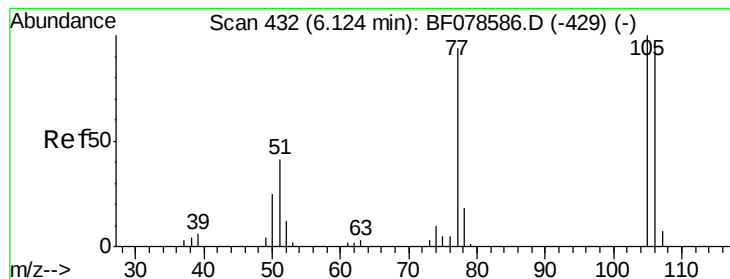
130 31.5 12.3 52.3

64 41.9 23.8 63.8



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 4.43 ng

RT: 5.10 min Scan# 342

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

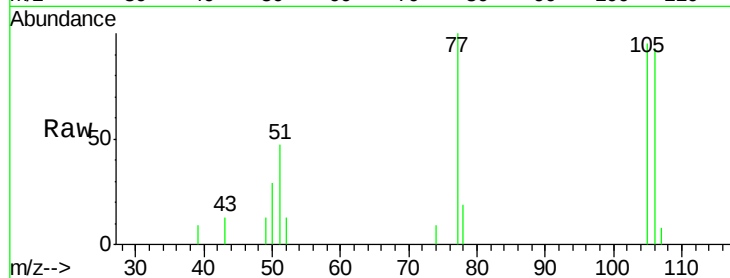
Tgt Ion: 77 Resp: 6033

Ion Ratio Lower Upper

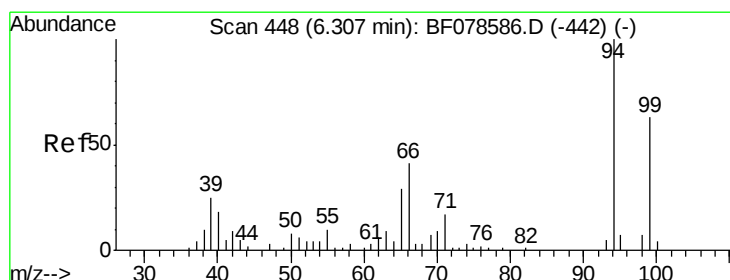
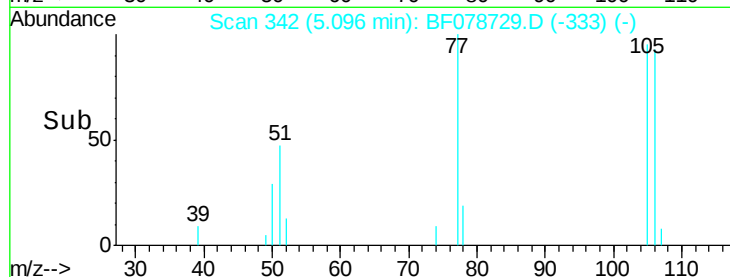
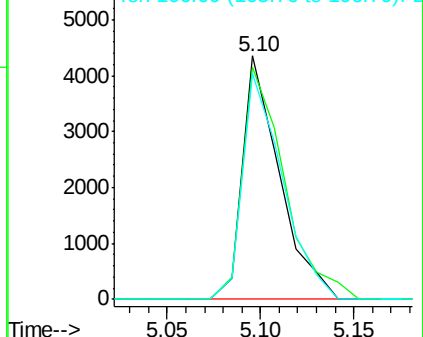
77 100

105 95.2 85.4 125.4

106 92.6 80.8 120.8



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 105.00 (104.70 to 105.70): BF0  
Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 40.97 ng

RT: 5.31 min Scan# 361

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

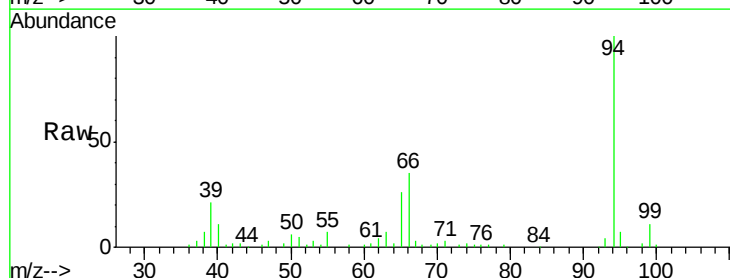
Tgt Ion: 94 Resp: 100909

Ion Ratio Lower Upper

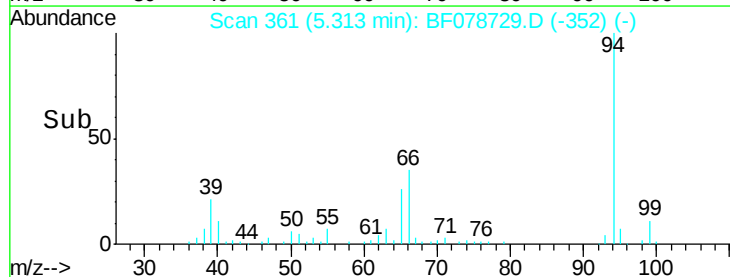
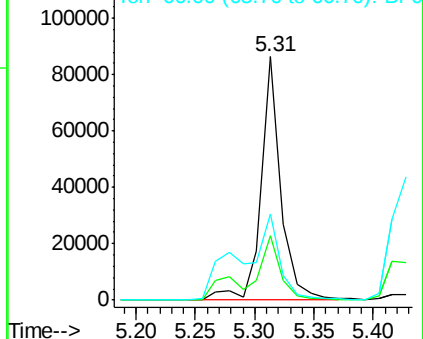
94 100

65 26.3 4.9 44.9

66 35.5 13.8 53.8



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

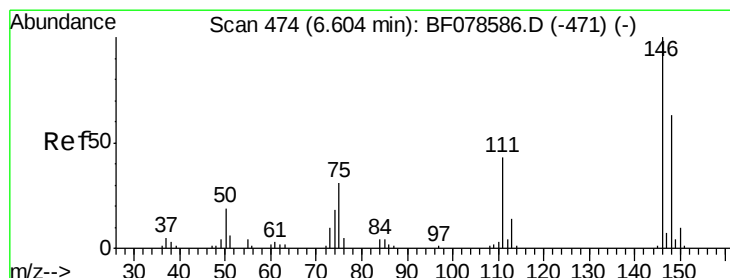
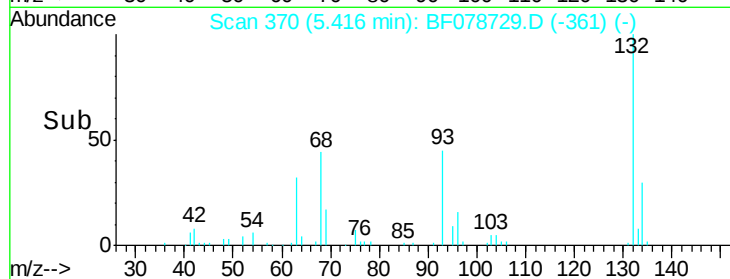
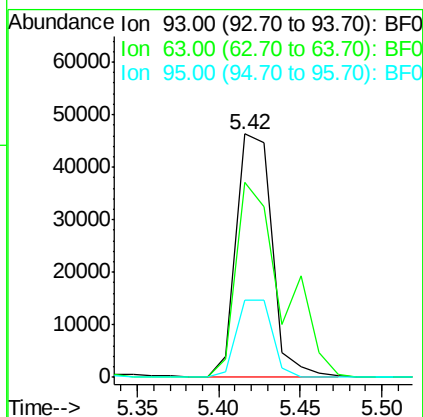
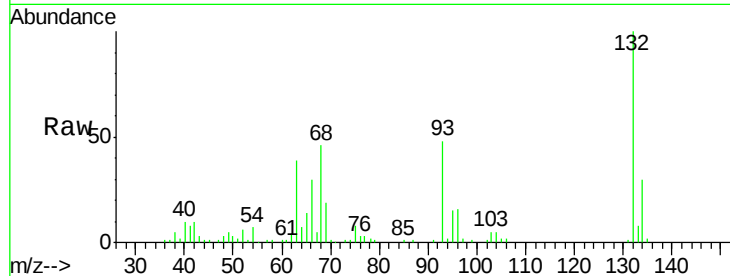




#11  
 bis(2-Chloroethyl)ether  
 Concen: 39.73 ng  
 RT: 5.42 min Scan# 370  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

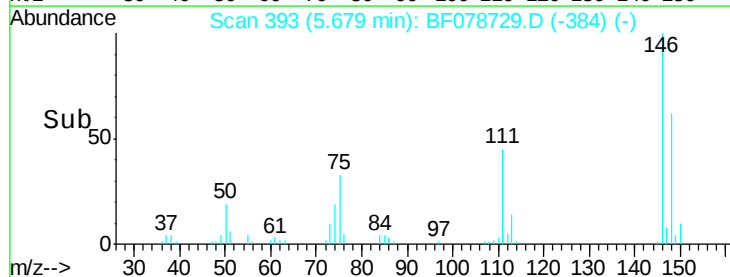
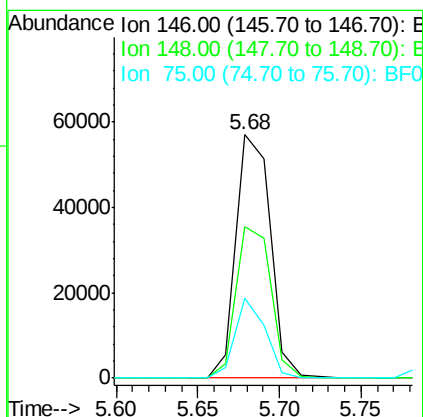
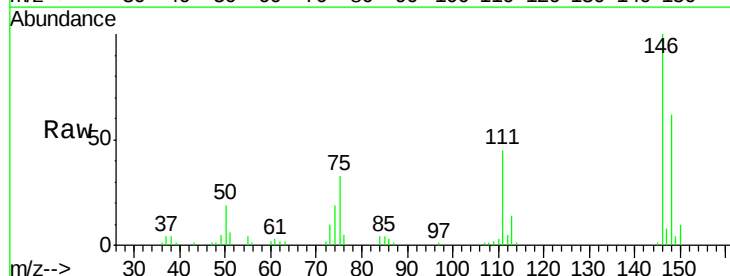
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

Tgt Ion: 93 Resp: 70363  
 Ion Ratio Lower Upper  
 93 100  
 63 80.3 54.6 94.6  
 95 32.0 13.6 53.6



#12  
 1,3-Dichlorobenzene  
 Concen: 39.03 ng  
 RT: 5.68 min Scan# 393  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion: 146 Resp: 83152  
 Ion Ratio Lower Upper  
 146 100  
 148 62.3 49.1 73.7  
 75 32.6 26.6 40.0

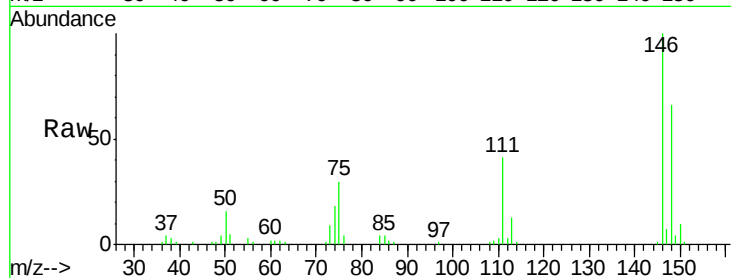




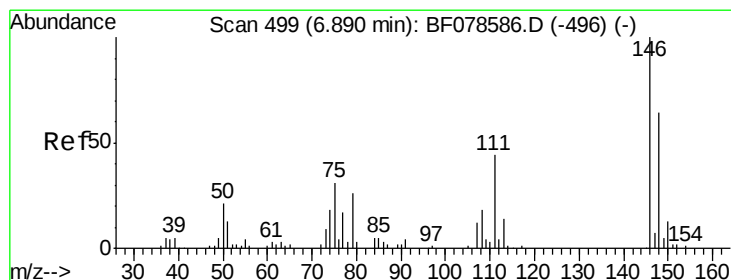
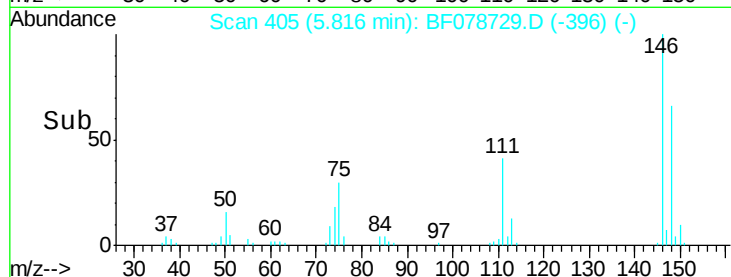
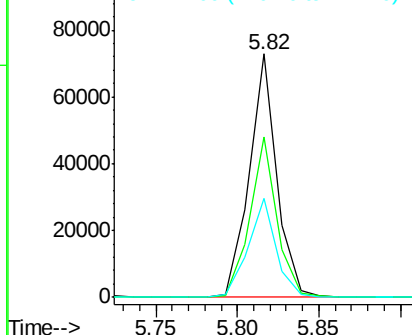
#13  
 1,4-Dichlorobenzene  
 Concen: 39.59 ng  
 RT: 5.82 min Scan# 405  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB82885BS

Tgt Ion:146 Resp: 84890  
 Ion Ratio Lower Upper  
 146 100  
 148 65.7 51.4 77.0  
 111 40.8 35.0 52.4

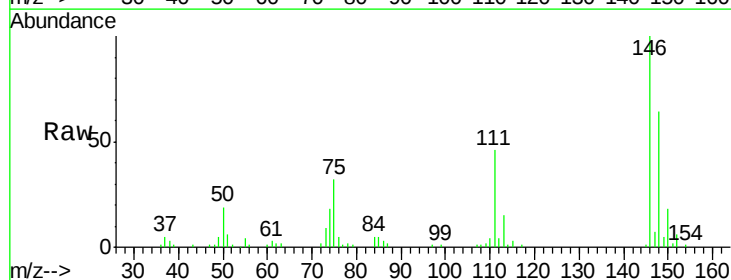


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

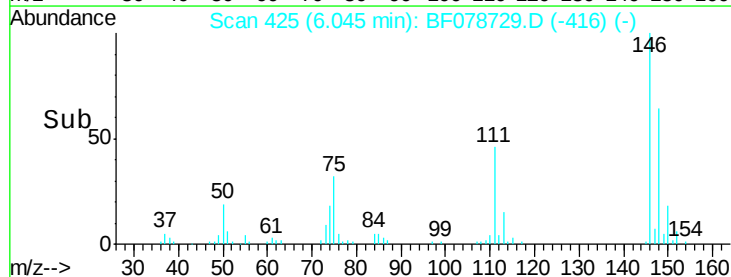
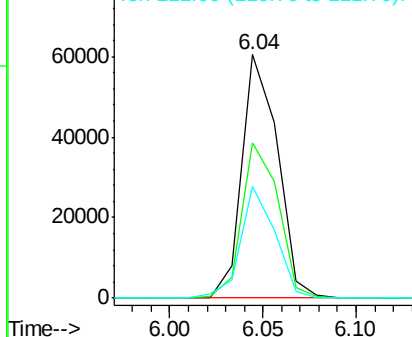


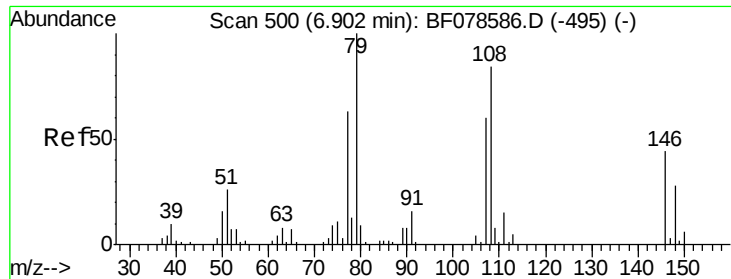
#14  
 1,2-Dichlorobenzene  
 Concen: 39.93 ng  
 RT: 6.04 min Scan# 425  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion:146 Resp: 80286  
 Ion Ratio Lower Upper  
 146 100  
 148 63.8 50.2 75.4  
 111 45.8 36.1 54.1



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: 46.10 ng

RT: 6.07 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

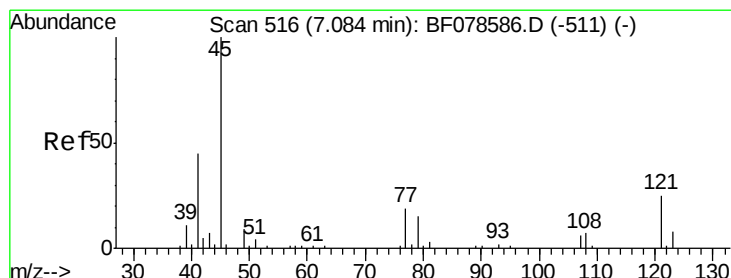
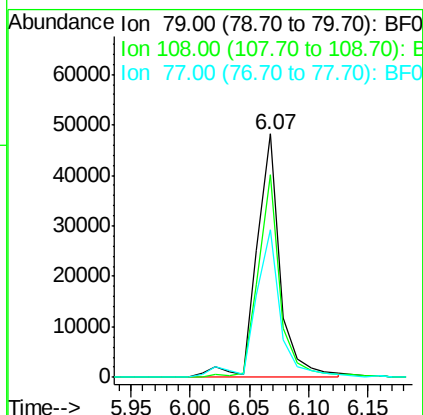
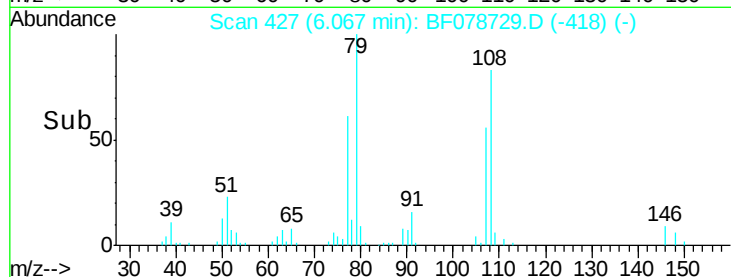
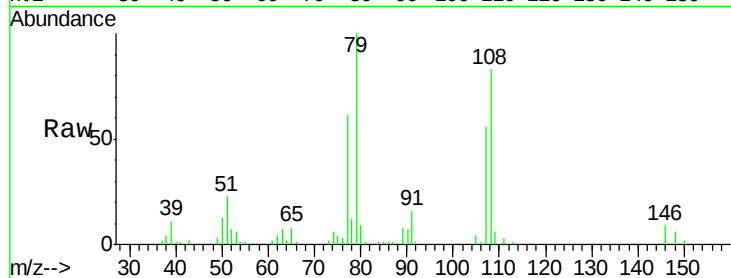
Tgt Ion: 79 Resp: 66583

Ion Ratio Lower Upper

79 100

108 83.2 57.6 86.4

77 60.7 53.5 80.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.67 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

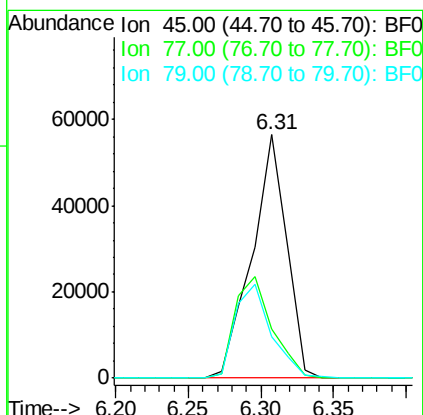
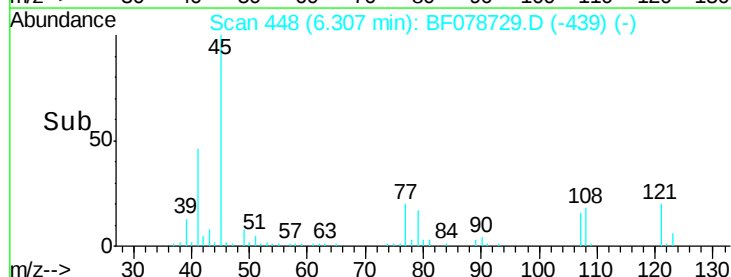
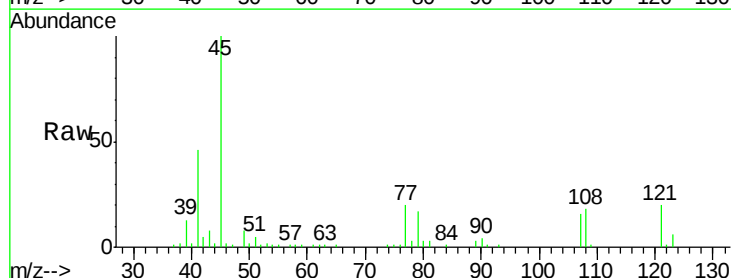
Tgt Ion: 45 Resp: 93724

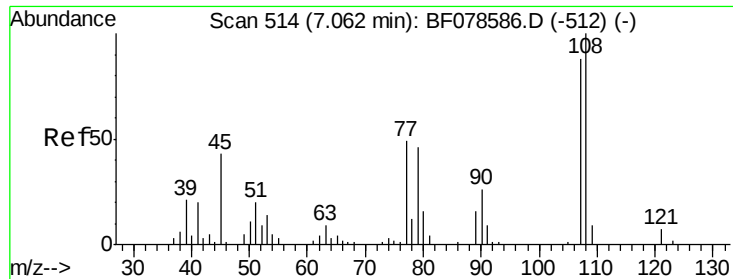
Ion Ratio Lower Upper

45 100

77 20.3 0.0 34.5

79 17.2 0.0 31.9

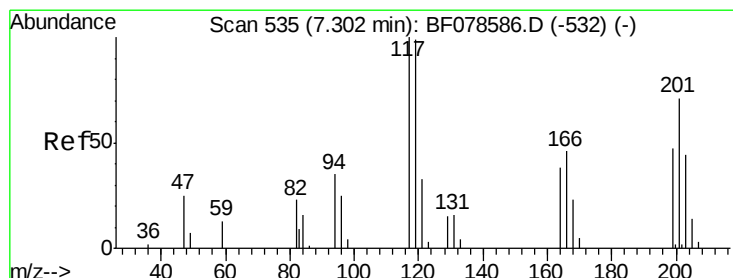
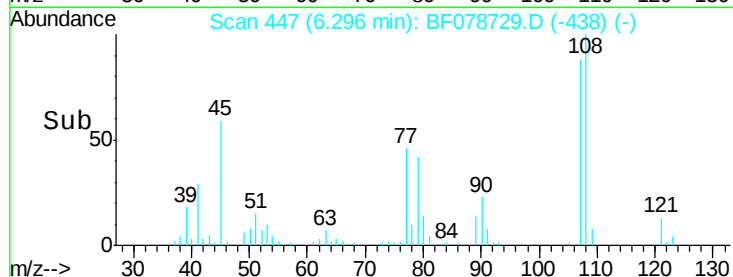
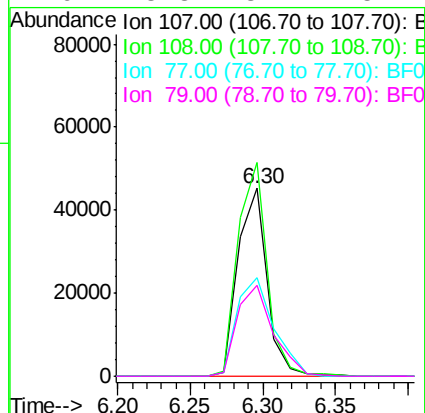
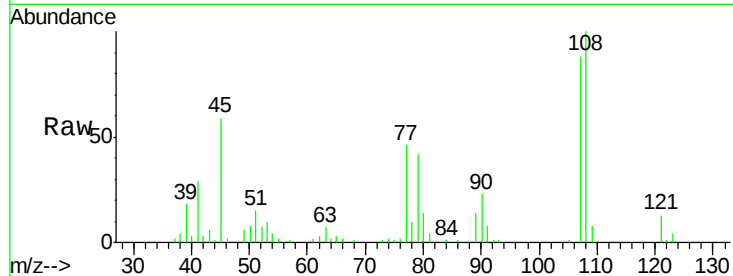




#17  
2-Methylphenol  
Concen: 42.08 ng  
RT: 6.30 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

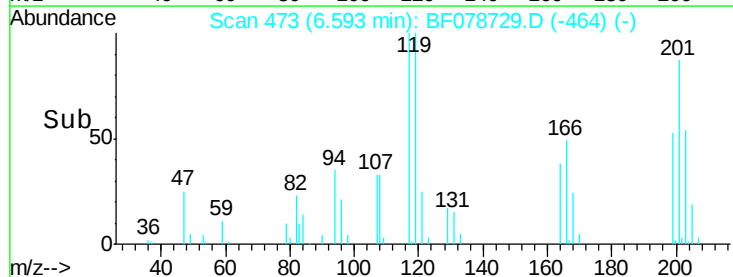
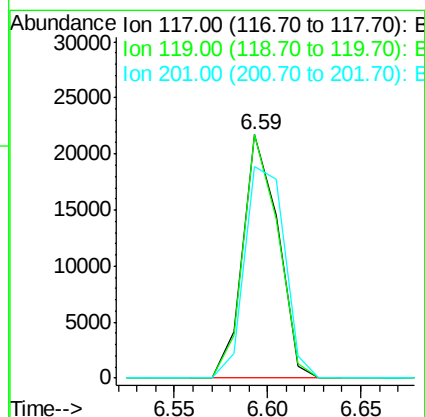
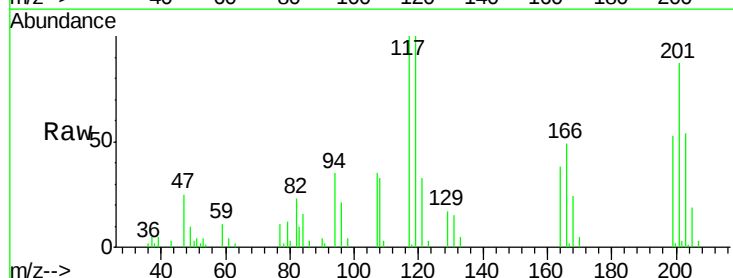
Instrument :  
BNA\_F  
ClientSampleId :  
PB82885BS

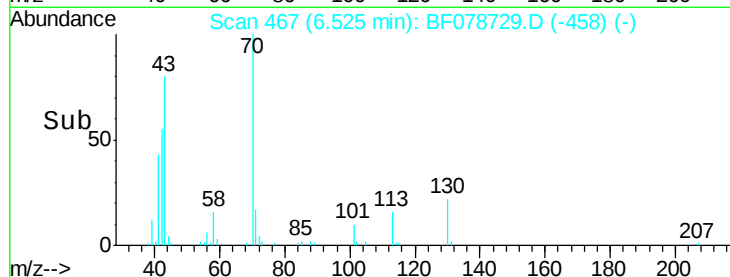
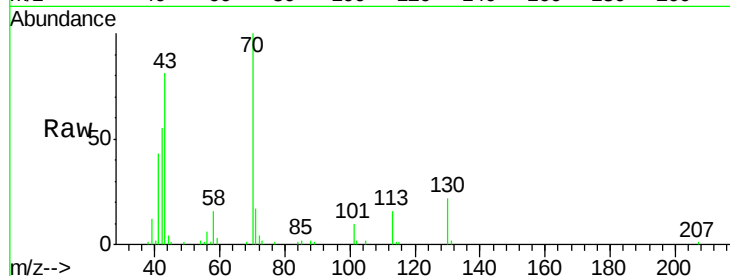
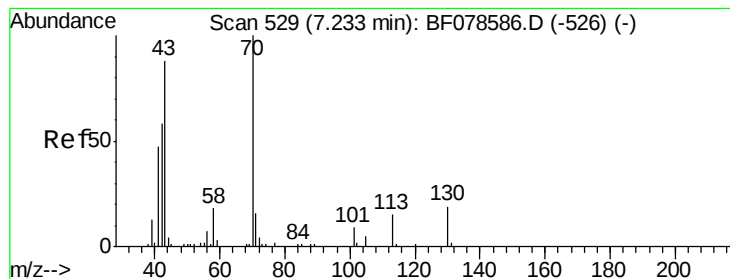
Tgt Ion:107 Resp: 63353  
Ion Ratio Lower Upper  
107 100  
108 113.9 90.3 135.5  
77 52.3 35.5 53.3  
79 48.3 34.2 51.4



#18  
Hexachloroethane  
Concen: 39.34 ng  
RT: 6.59 min Scan# 473  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Tgt Ion:117 Resp: 28446  
Ion Ratio Lower Upper  
117 100  
119 99.9 77.0 115.6  
201 86.7 98.1 147.1#





#19

n-Nitroso-di-n-propylamine

Concen: 41.50 ng

RT: 6.52 min Scan# 467

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

Tgt Ion: 70 Resp: 56273

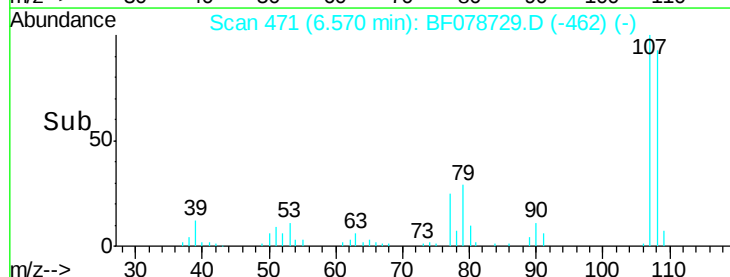
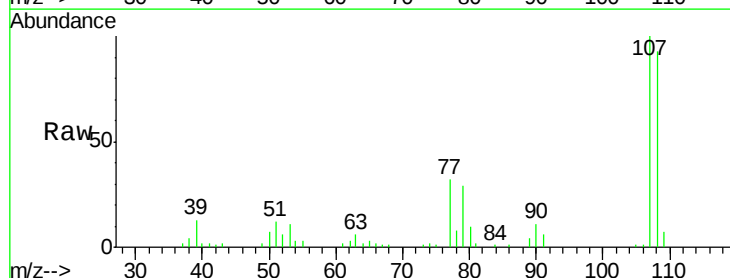
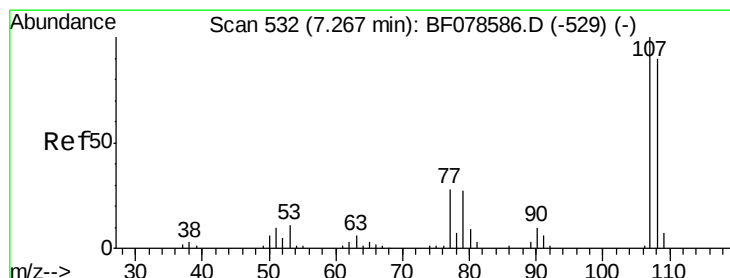
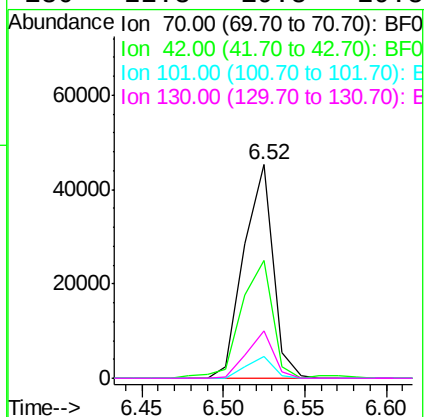
Ion Ratio Lower Upper

70 100

42 54.9 38.9 58.3

101 10.3 8.3 12.5

130 22.3 19.8 29.8



#20

3+4-Methylphenols

Concen: 40.86 ng

RT: 6.57 min Scan# 471

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Tgt Ion: 107 Resp: 82067

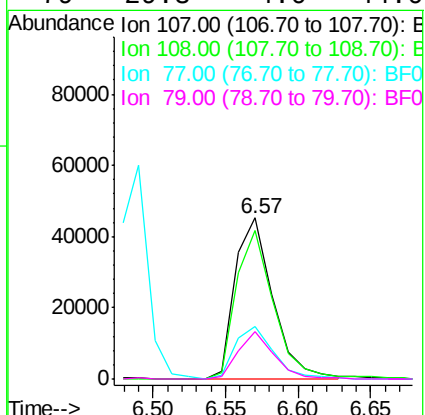
Ion Ratio Lower Upper

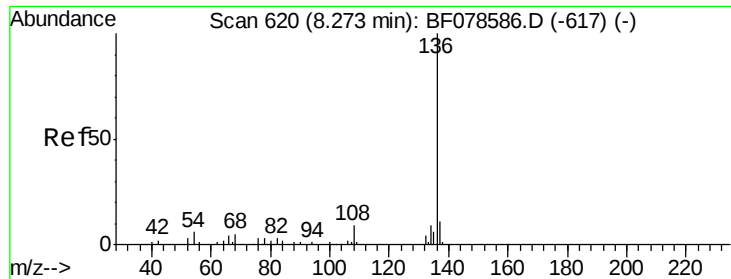
107 100

108 92.6 64.4 104.4

77 32.3 9.7 49.7

79 29.3 4.0 44.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 591

Delta R.T. -0.01 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

Tgt Ion:136 Resp: 110286

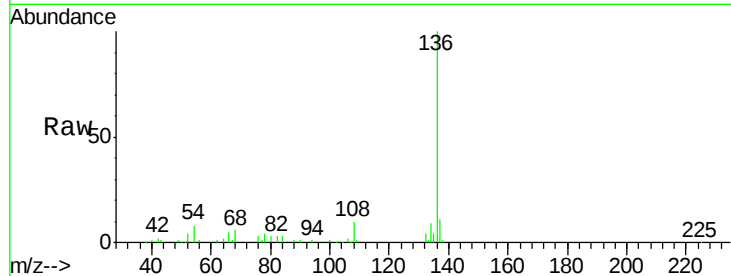
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 8.1 7.0 10.6

68 6.2 5.4 8.2

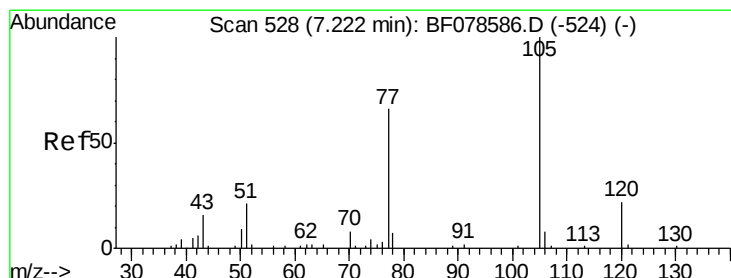
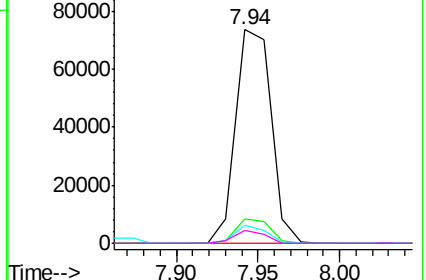
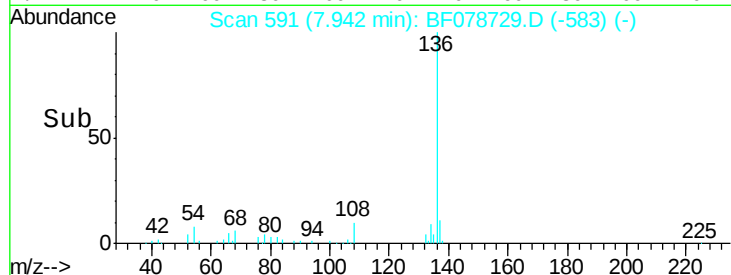


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 42.90 ng

RT: 6.49 min Scan# 464

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Tgt Ion:105 Resp: 110239

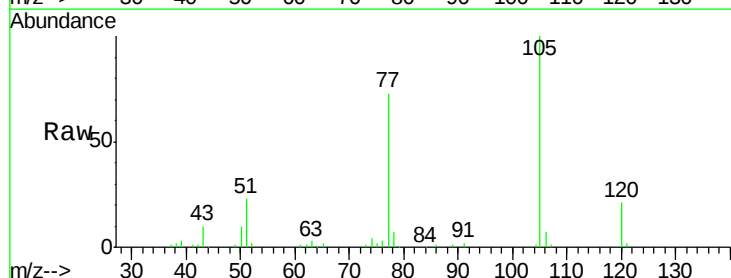
Ion Ratio Lower Upper

105 100

71 0.0 5.5 8.3#

51 22.8 16.0 24.0

120 21.4 17.8 26.6

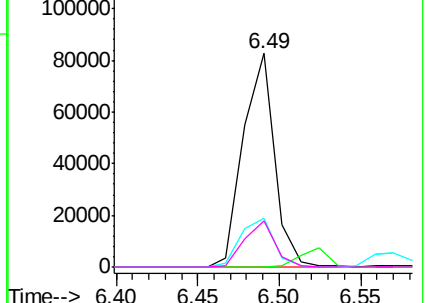
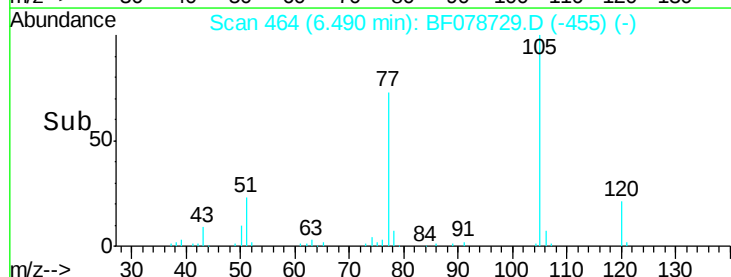


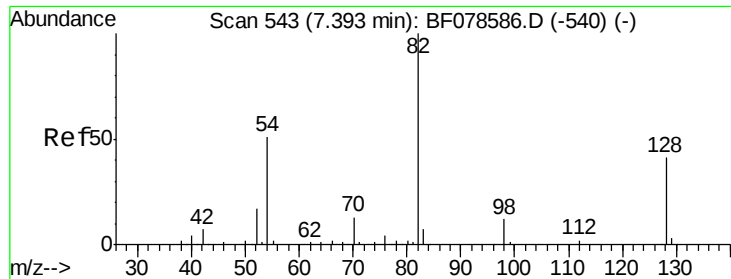
Abundance Ion 105.00 (104.70 to 105.70): E

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

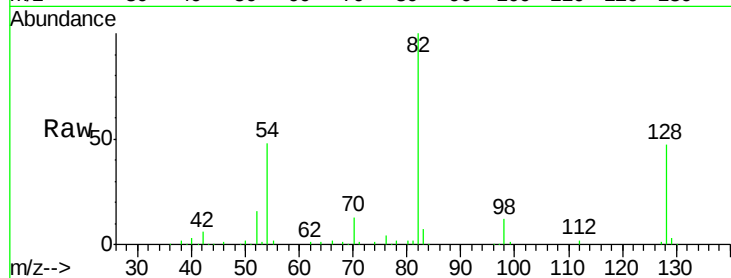




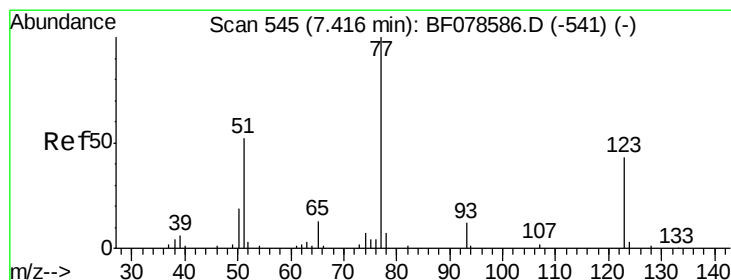
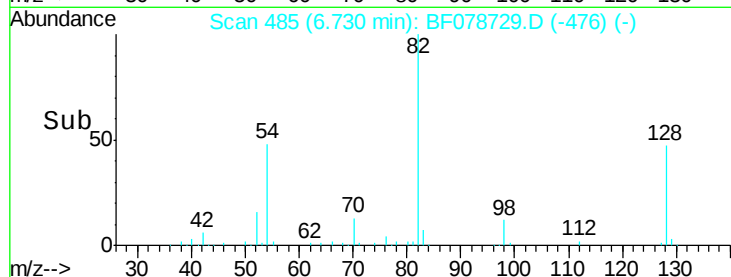
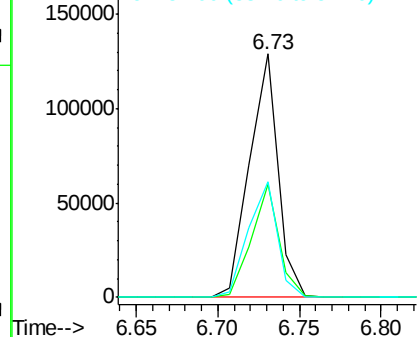
#23  
 Nitrobenzene-d5  
 Concen: 85.85 ng  
 RT: 6.73 min Scan# 485  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.7  | 31.8  | 47.8  |
| 54      | 47.7  | 41.5  | 62.3  |

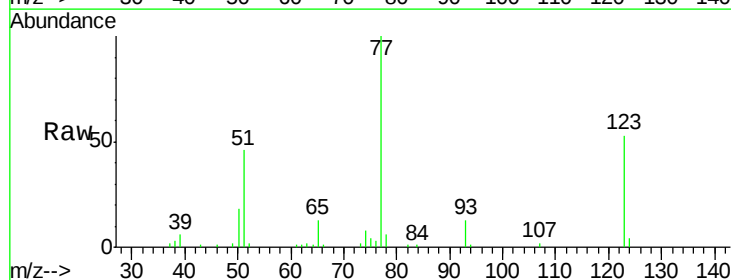


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

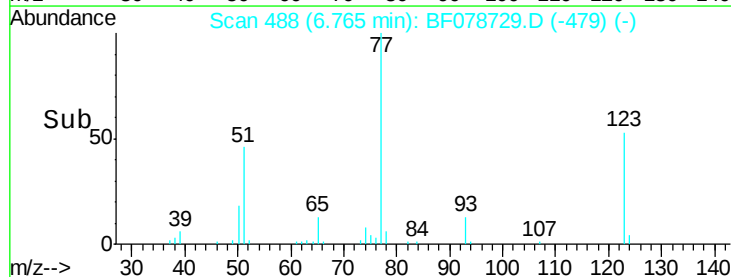
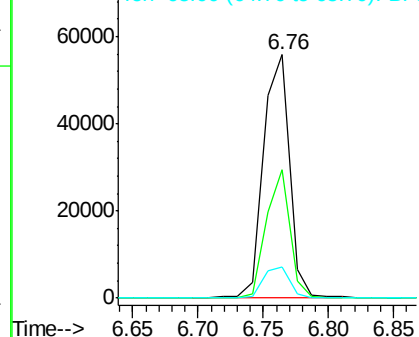


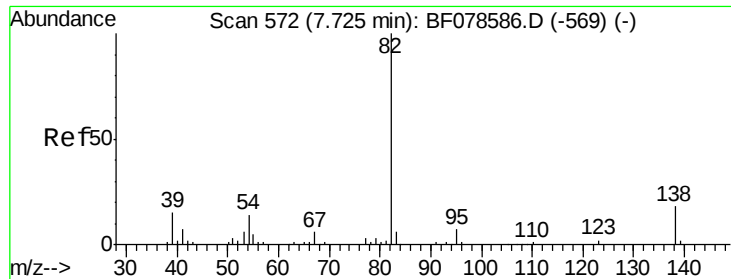
#24  
 Nitrobenzene  
 Concen: 41.48 ng  
 RT: 6.76 min Scan# 488  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 52.8  | 46.9  | 70.3  |
| 65      | 13.0  | 9.5   | 14.3  |



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





#25

Isophorone

Concen: 42.02 ng

RT: 7.19 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

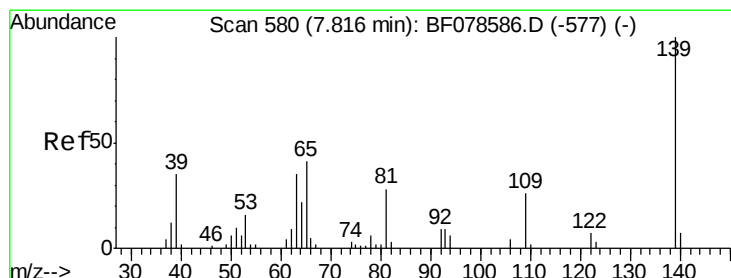
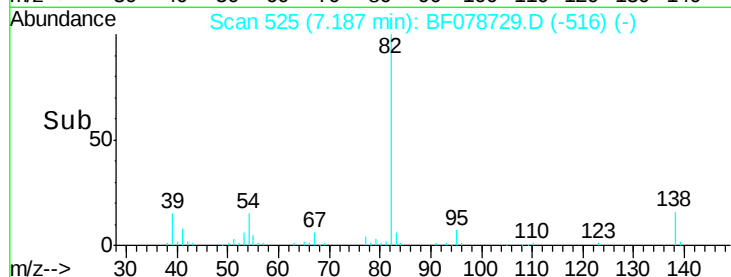
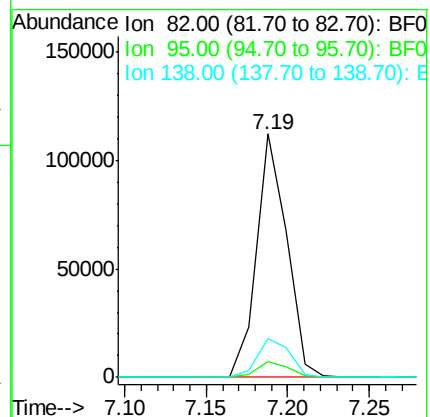
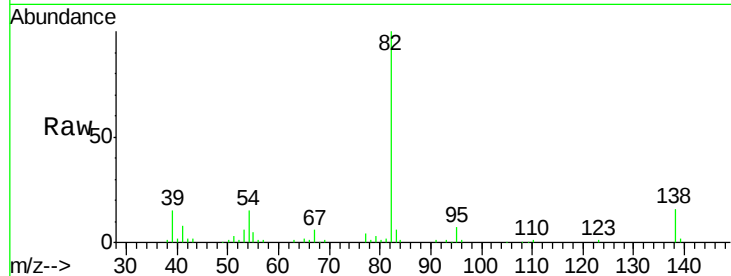
Tgt Ion: 82 Resp: 145095

Ion Ratio Lower Upper

82 100

95 6.6 5.7 8.5

138 16.0 15.8 23.8



#26

2-Nitrophenol

Concen: 44.18 ng

RT: 7.31 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

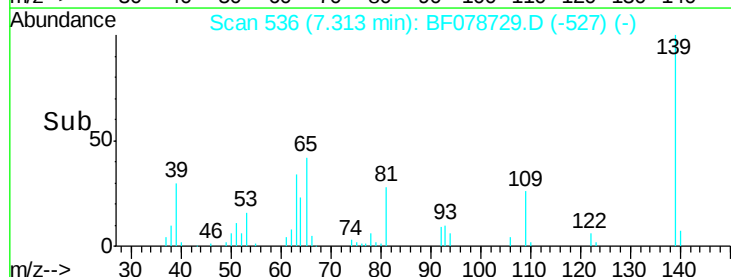
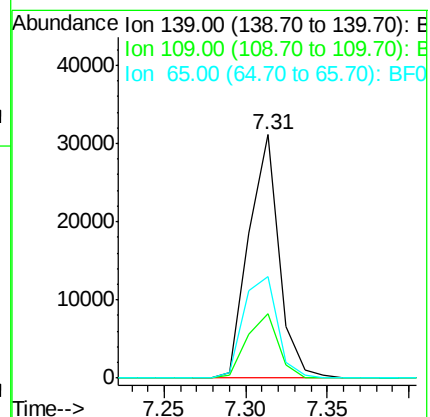
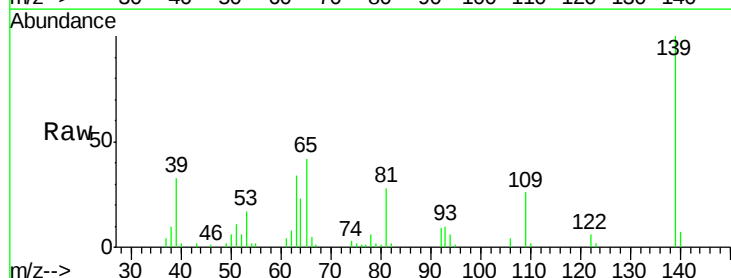
Tgt Ion: 139 Resp: 40042

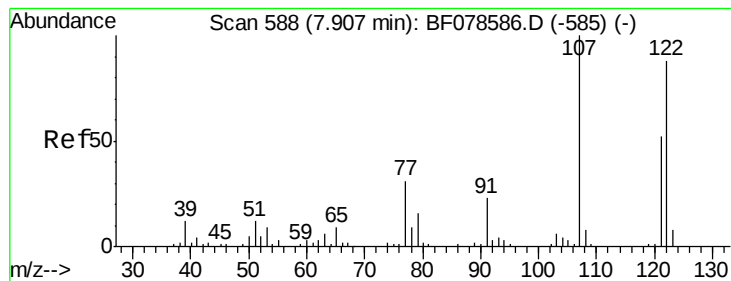
Ion Ratio Lower Upper

139 100

109 26.4 19.8 29.8

65 41.8 32.7 49.1

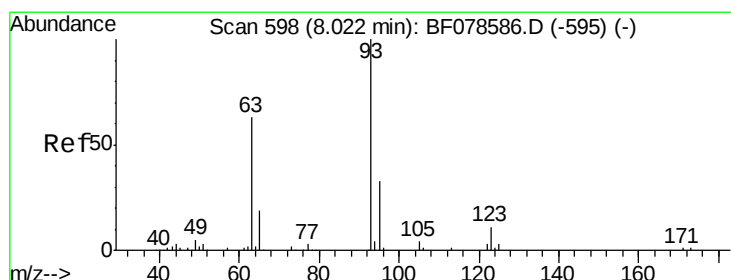
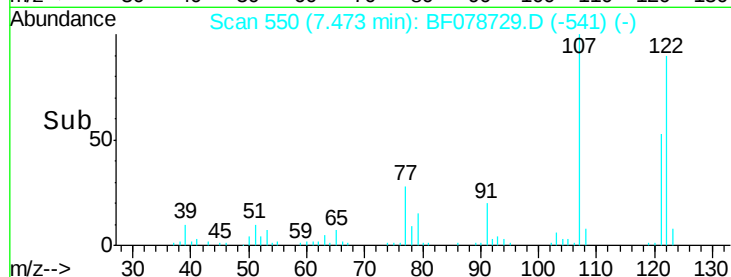
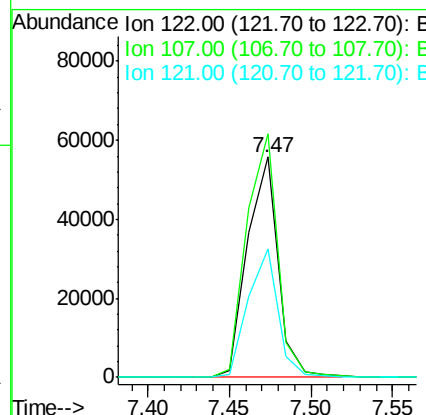
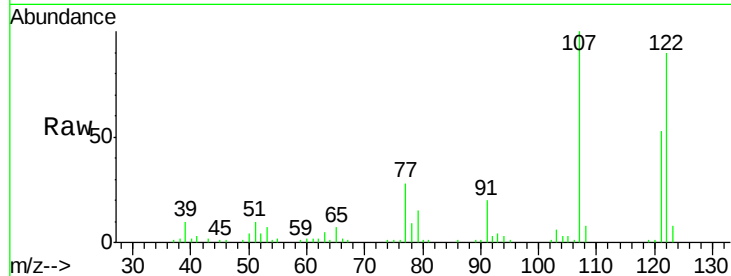




#27  
 2,4-Dimethylphenol  
 Concen: 43.02 ng  
 RT: 7.47 min Scan# 550  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

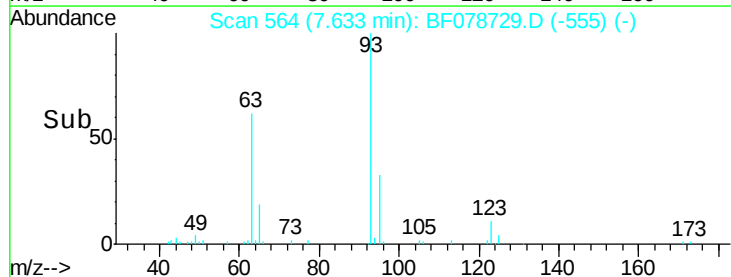
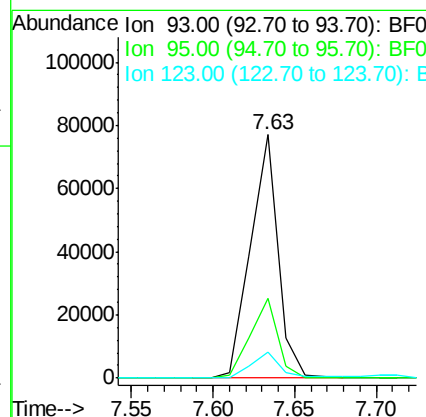
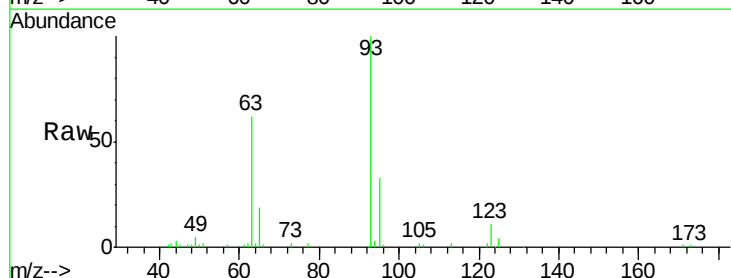
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

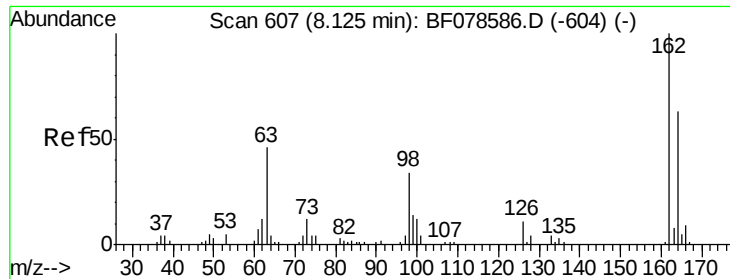
Tgt Ion: 122 Resp: 72504  
 Ion Ratio Lower Upper  
 122 100  
 107 110.6 84.6 127.0  
 121 58.2 46.0 69.0



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.82 ng  
 RT: 7.63 min Scan# 564  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion: 93 Resp: 90380  
 Ion Ratio Lower Upper  
 93 100  
 95 32.7 26.3 39.5  
 123 10.6 9.1 13.7

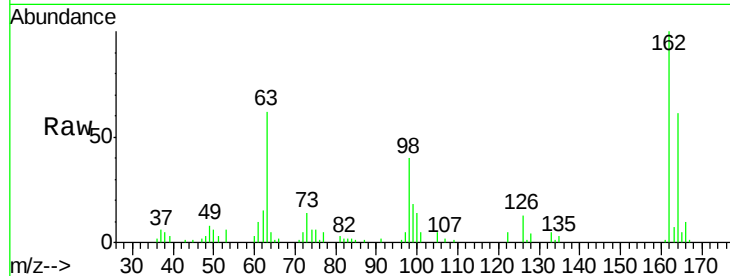




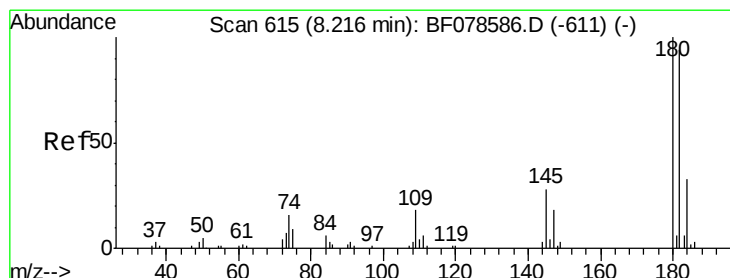
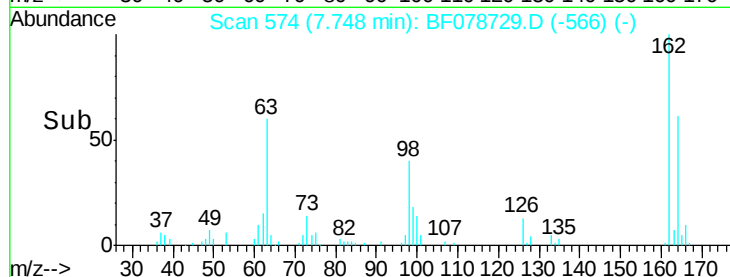
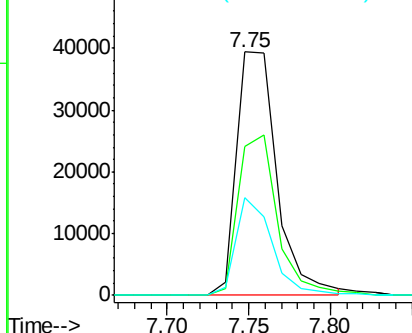
#29  
2,4-Dichlorophenol  
Concen: 43.91 ng  
RT: 7.75 min Scan# 574  
Delta R.T. -0.01 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB82885BS

Tgt Ion:162 Resp: 67337  
Ion Ratio Lower Upper  
162 100  
164 61.3 47.0 87.0  
98 40.2 9.2 49.2

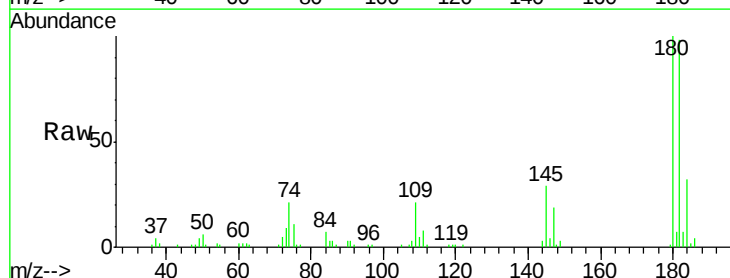


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF0

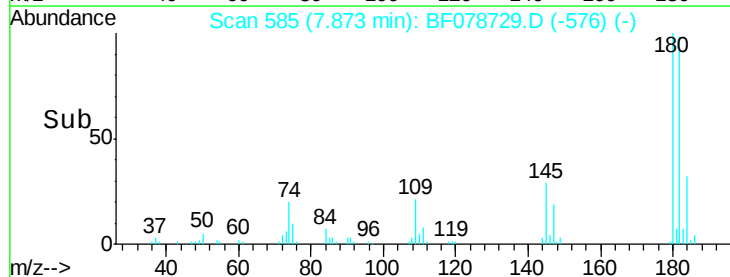
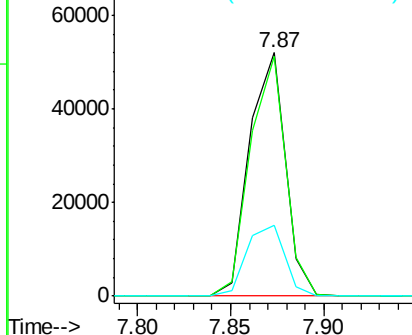


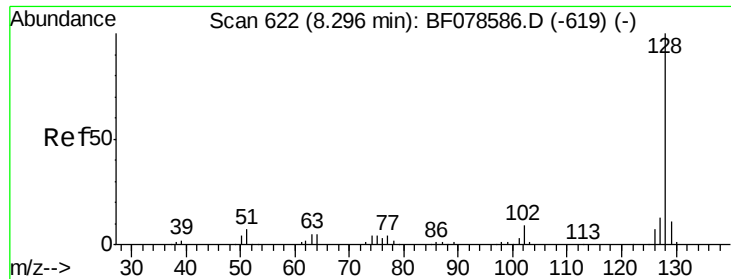
#30  
1,2,4-Trichlorobenzene  
Concen: 39.67 ng  
RT: 7.87 min Scan# 585  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Tgt Ion:180 Resp: 69737  
Ion Ratio Lower Upper  
180 100  
182 98.4 76.9 115.3  
145 29.0 22.5 33.7



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

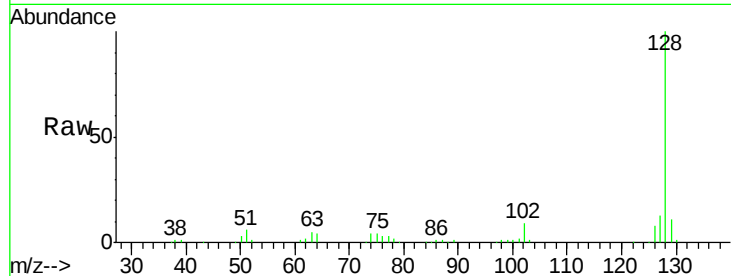




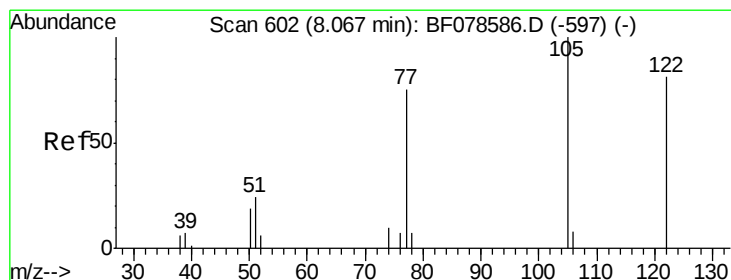
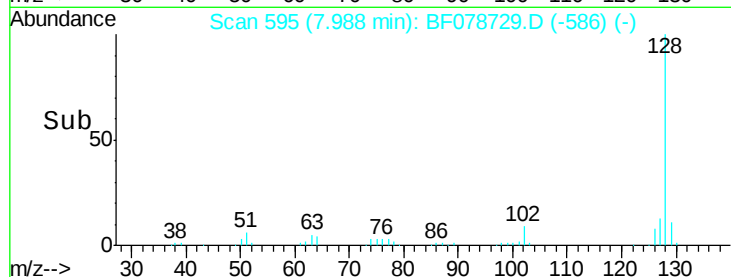
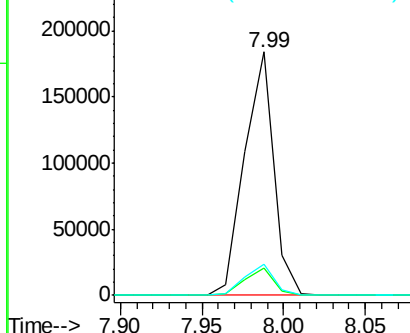
#31  
Naphthalene  
Concen: 39.79 ng  
RT: 7.99 min Scan# 595  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB82885BS

Tgt Ion:128 Resp: 228401  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 12.8  
127 12.9 10.7 16.1

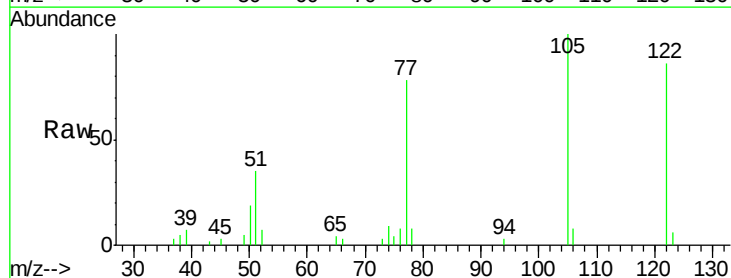


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

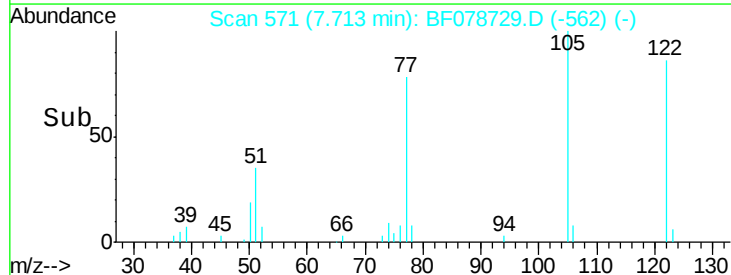
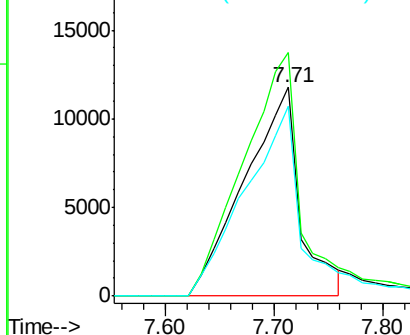


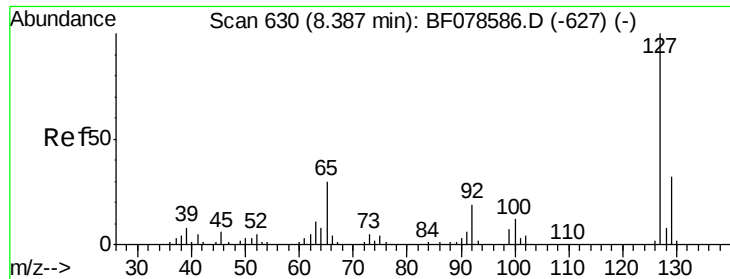
#32  
Benzoic acid  
Concen: 52.07 ng  
RT: 7.71 min Scan# 571  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Tgt Ion:122 Resp: 41721  
Ion Ratio Lower Upper  
122 100  
105 116.5 96.1 136.1  
77 90.6 64.1 104.1



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

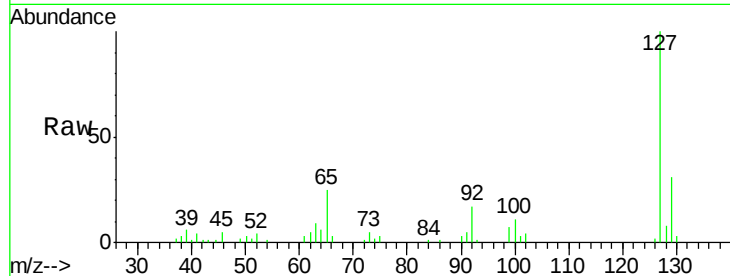




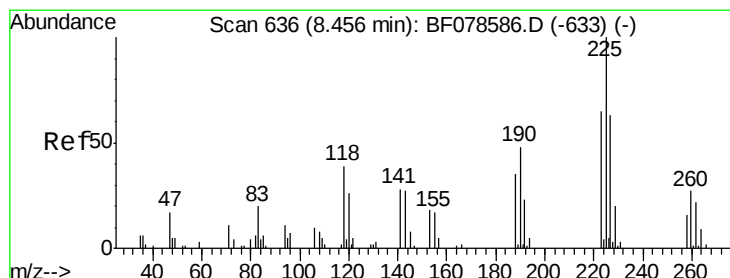
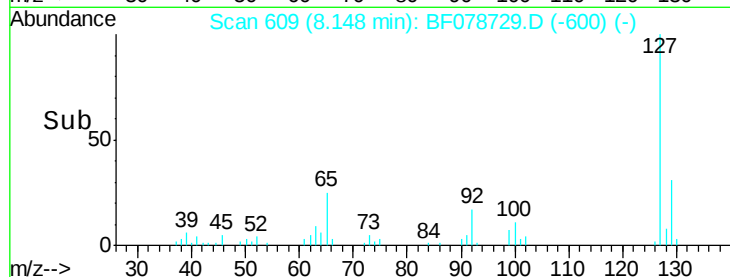
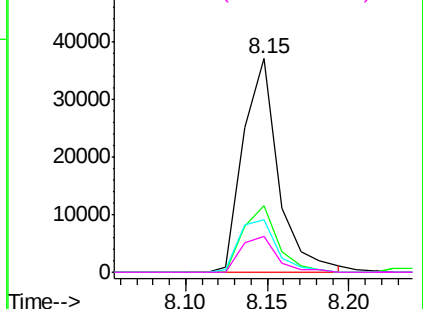
#33  
4-Chloroaniline  
Concen: 23.29 ng  
RT: 8.15 min Scan# 609  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB82885BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 55476 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 30.9  | 25.5  | 38.3  |
| 65       | 24.7  | 21.7  | 32.5  |
| 92       | 16.6  | 14.6  | 21.8  |

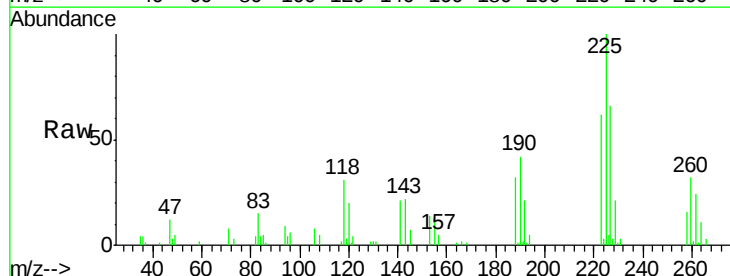


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

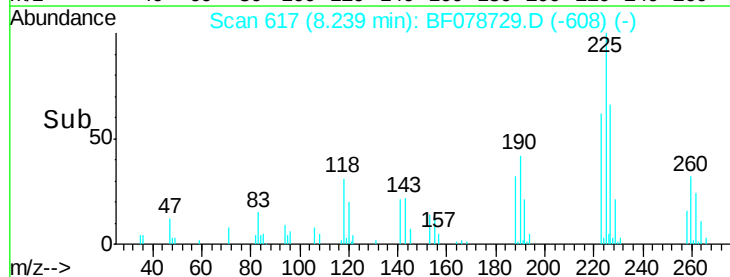
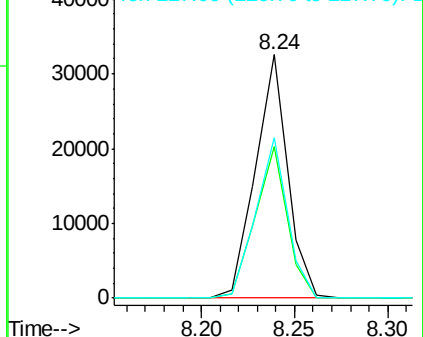


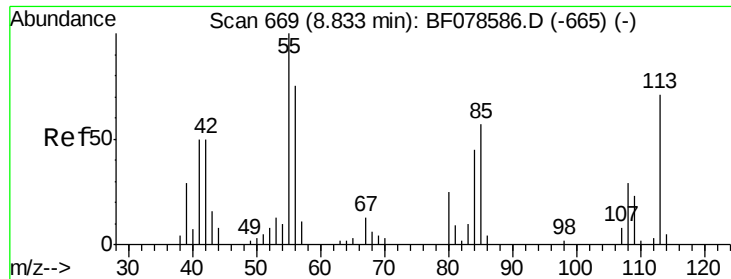
#34  
Hexachlorobutadiene  
Concen: 40.35 ng  
RT: 8.24 min Scan# 617  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 38955 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.0  | 47.5  | 71.3  |
| 227      | 65.9  | 50.2  | 75.2  |



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

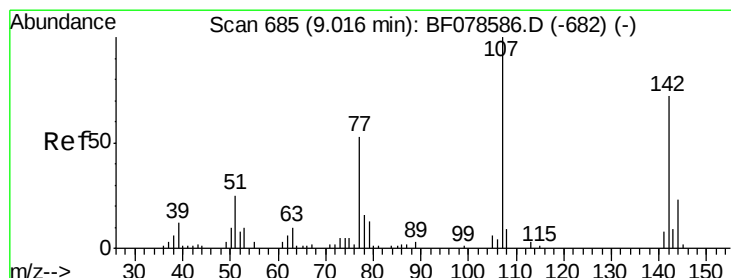
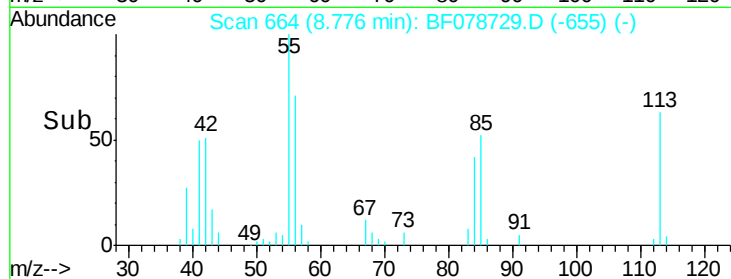
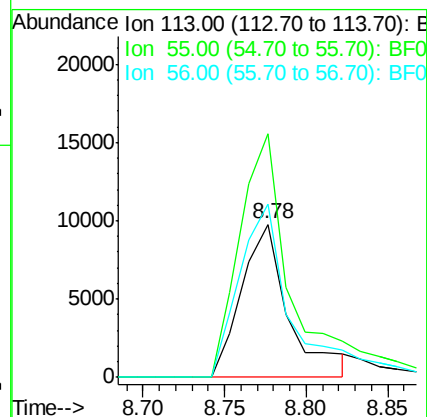
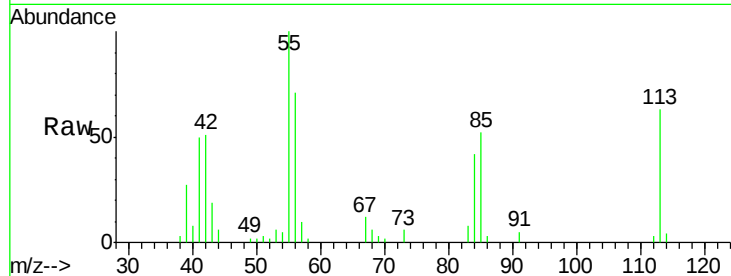




#35  
 Caprolactam  
 Concen: 42.71 ng  
 RT: 8.78 min Scan# 664  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

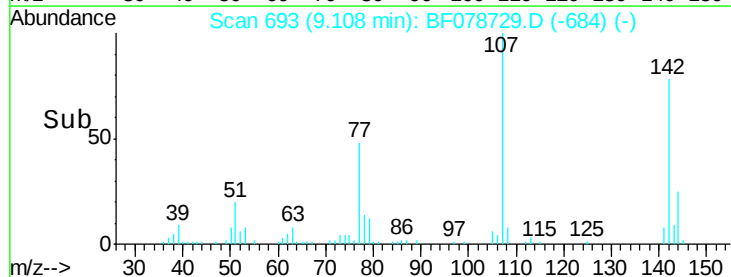
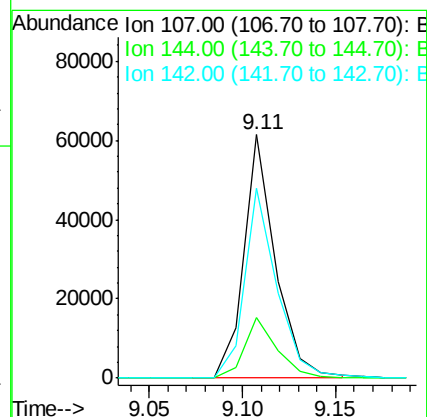
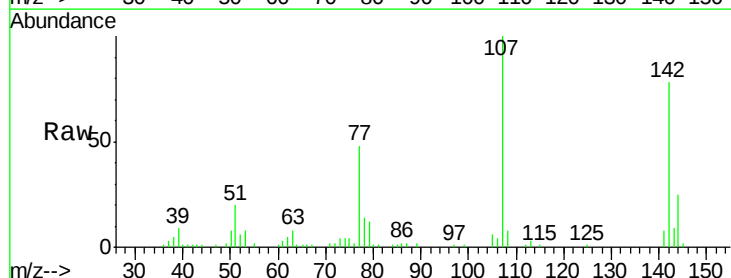
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

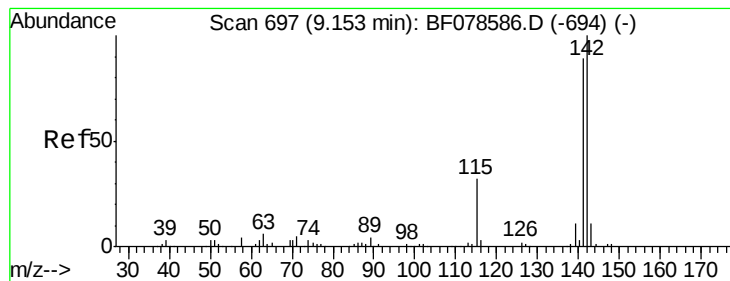
Tgt Ion:113 Resp: 19549  
 Ion Ratio Lower Upper  
 113 100  
 55 159.3 151.9 191.9  
 56 113.6 106.1 146.1



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.83 ng  
 RT: 9.11 min Scan# 693  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion:107 Resp: 72455  
 Ion Ratio Lower Upper  
 107 100  
 144 25.1 18.2 27.2  
 142 78.1 58.0 87.0

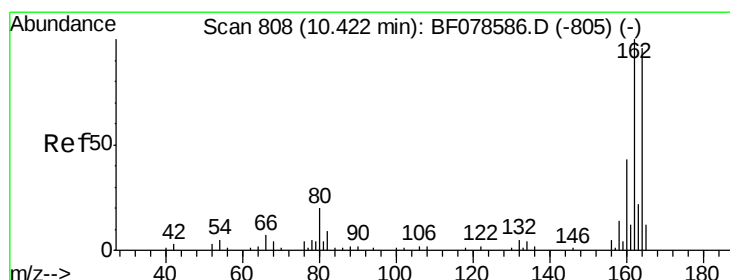
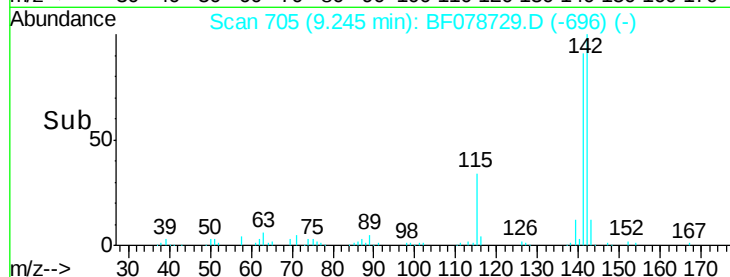
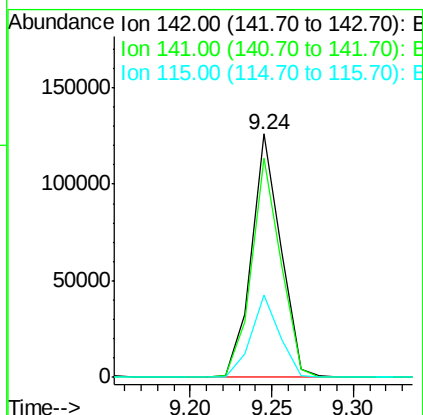
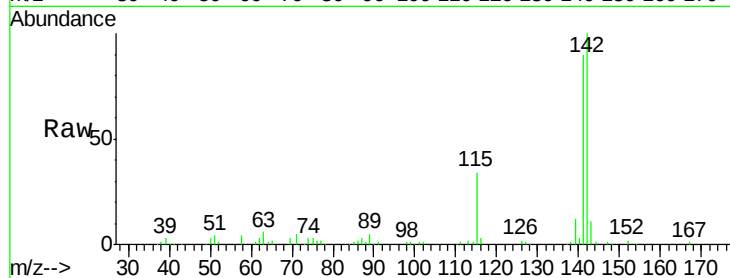




#37  
 2-Methylnaphthalene  
 Concen: 40.49 ng  
 RT: 9.24 min Scan# 705  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

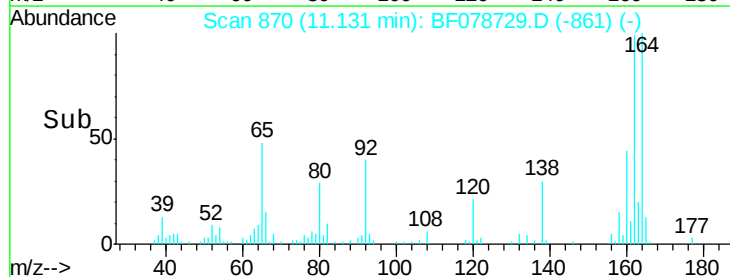
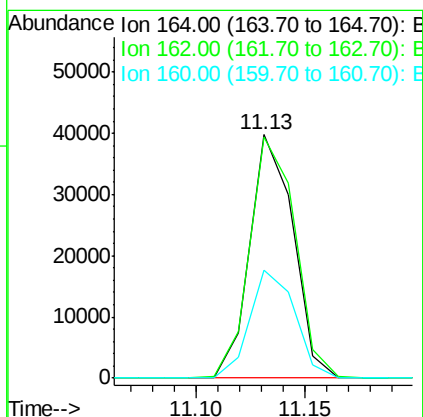
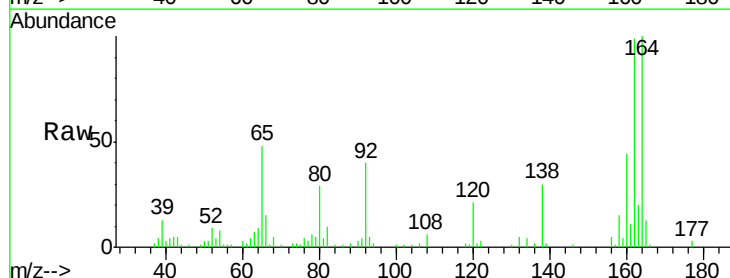
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

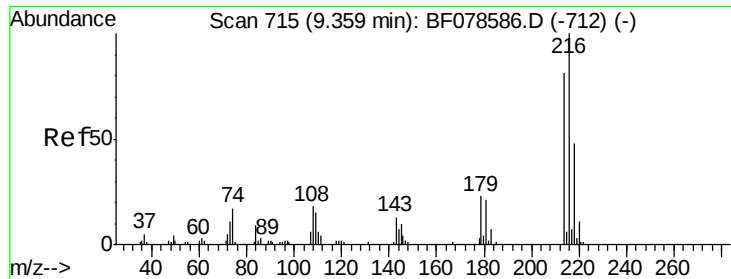
Tgt Ion:142 Resp: 157794  
 Ion Ratio Lower Upper  
 142 100  
 141 89.9 70.3 105.5  
 115 33.8 24.6 37.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.13 min Scan# 870  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion:164 Resp: 55343  
 Ion Ratio Lower Upper  
 164 100  
 162 99.2 82.2 123.2  
 160 44.2 34.7 52.1

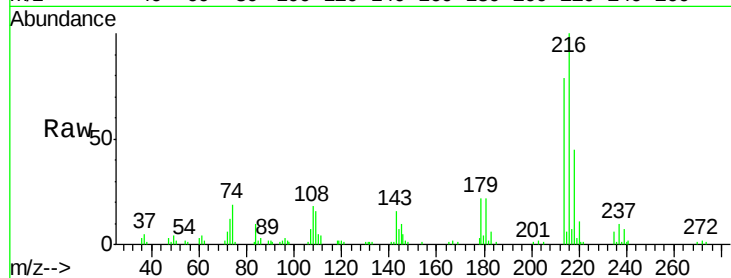




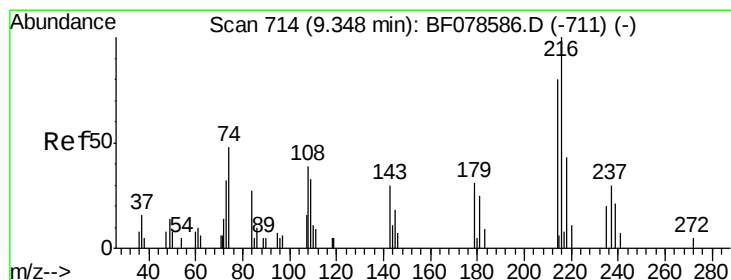
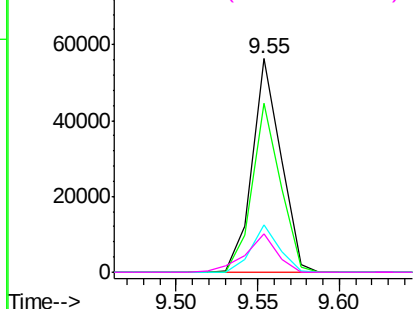
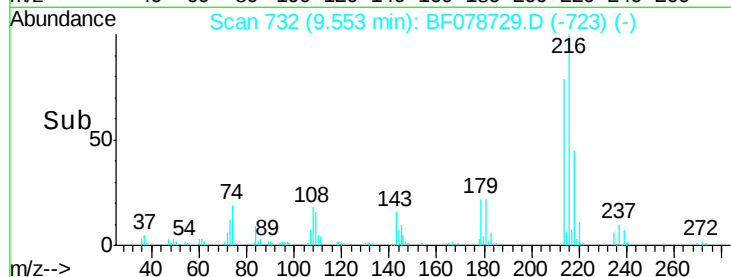
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 40.12 ng  
 RT: 9.55 min Scan# 732  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 216   | Resp: | 68803 |
| Ion      | Ratio | Lower | Upper |
| 216      | 100   |       |       |
| 214      | 77.2  | 62.0  | 93.0  |
| 179      | 21.6  | 17.3  | 25.9  |
| 108      | 19.5  | 14.6  | 21.8  |

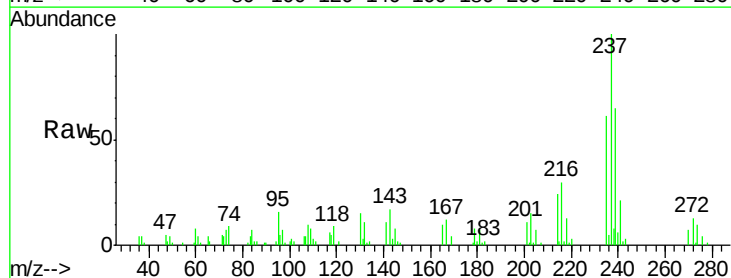


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

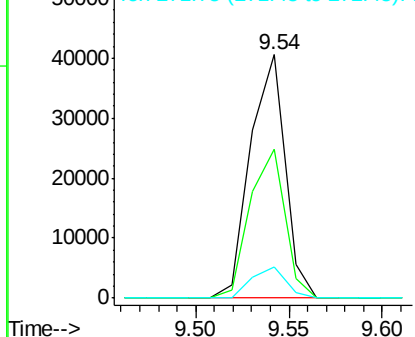
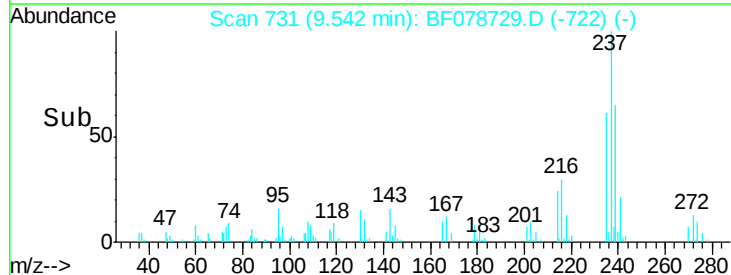


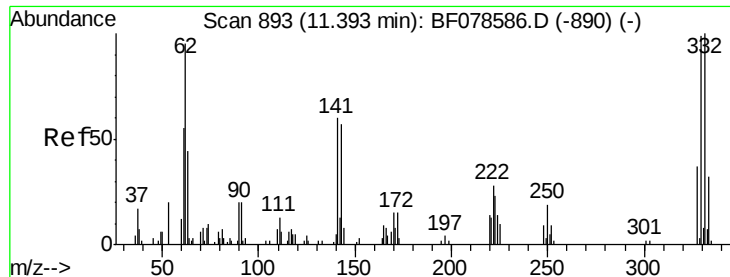
#40  
 Hexachlorocyclopentadiene  
 Concen: 71.87 ng  
 RT: 9.54 min Scan# 731  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 52499 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 61.1  | 44.1  | 84.1  |
| 272      | 12.9  | 0.0   | 34.4  |



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

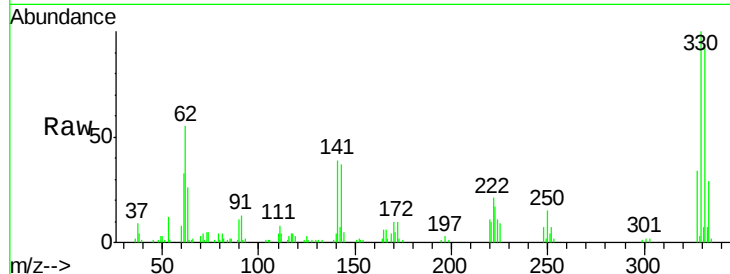




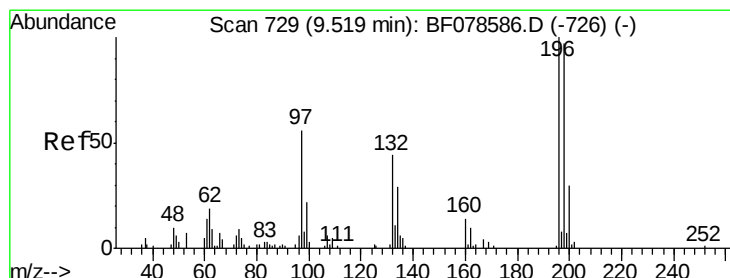
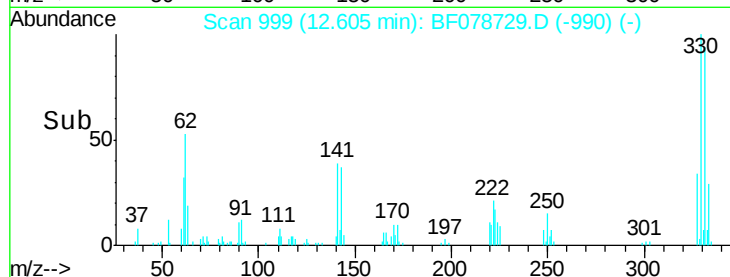
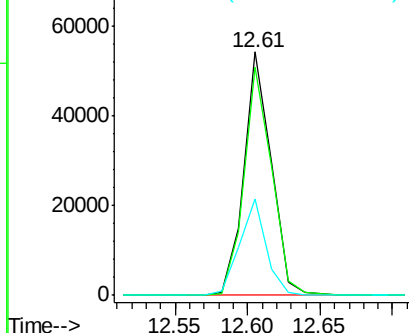
#41  
 2,4,6-Tribromophenol  
 Concen: 154.60 ng  
 RT: 12.61 min Scan# 999  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

Tgt Ion:330 Resp: 70962  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 78.6 117.8  
 141 38.1 31.2 46.8

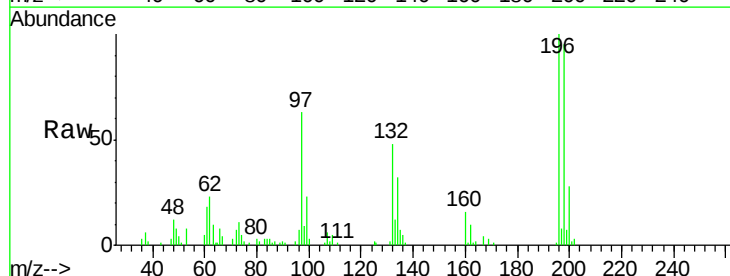


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

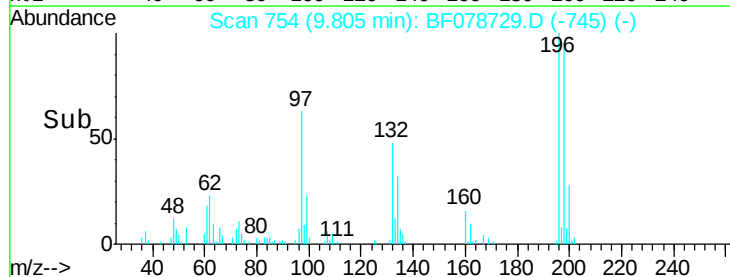
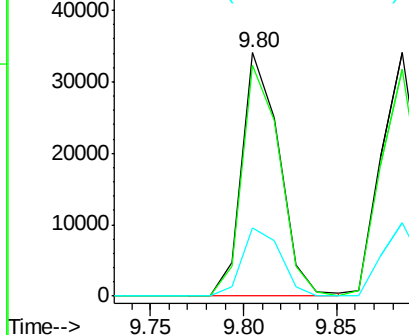


#42  
 2,4,6-Trichlorophenol  
 Concen: 43.80 ng  
 RT: 9.80 min Scan# 754  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion:196 Resp: 47372  
 Ion Ratio Lower Upper  
 196 100  
 198 94.6 75.4 113.2  
 200 28.2 24.0 36.0



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

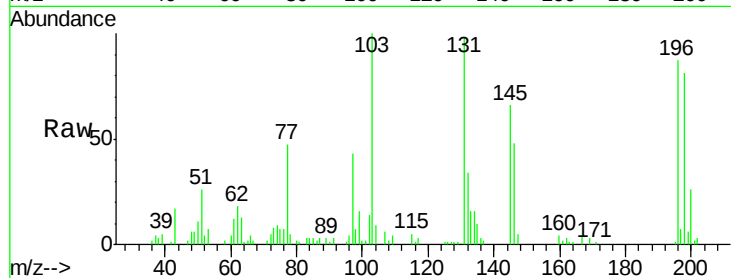




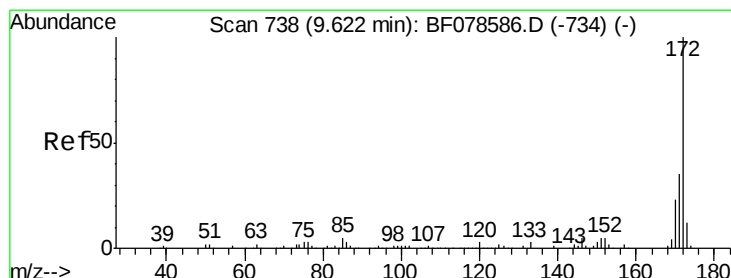
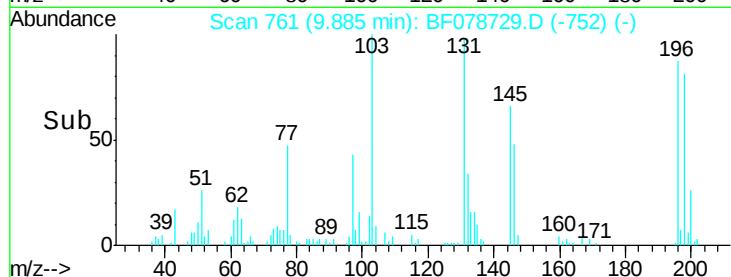
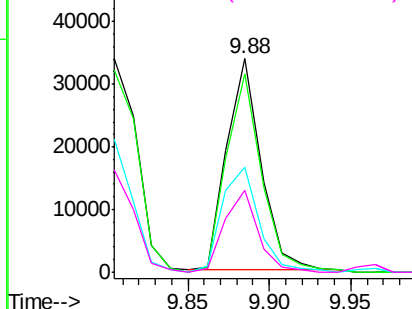
#43  
 2,4,5-Trichlorophenol  
 Concen: 43.26 ng  
 RT: 9.88 min Scan# 761  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

Tgt Ion:196 Resp: 48873  
 Ion Ratio Lower Upper  
 196 100  
 198 93.3 76.6 115.0  
 97 49.3 50.6 75.8#  
 132 38.4 27.7 41.5

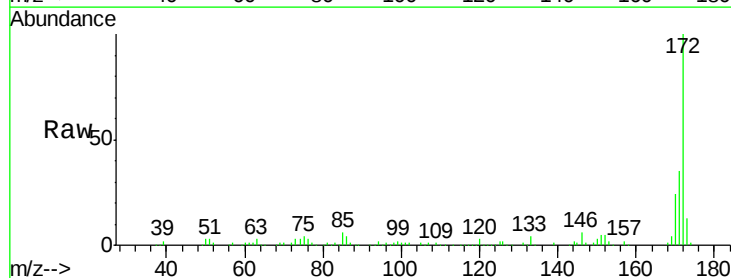


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

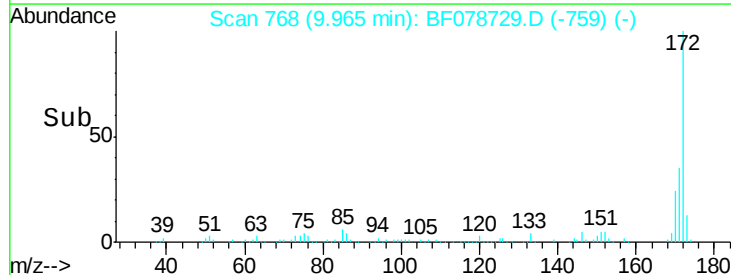
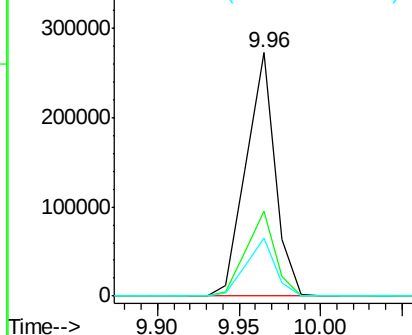


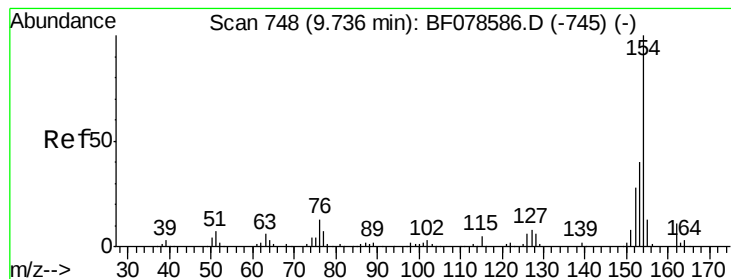
#44  
 2-Fluorobiphenyl  
 Concen: 87.11 ng  
 RT: 9.96 min Scan# 768  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion:172 Resp: 337250  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 28.6 42.8  
 170 23.7 18.5 27.7



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





#45

1,1'-Biphenyl

Concen: 42.08 ng

RT: 10.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

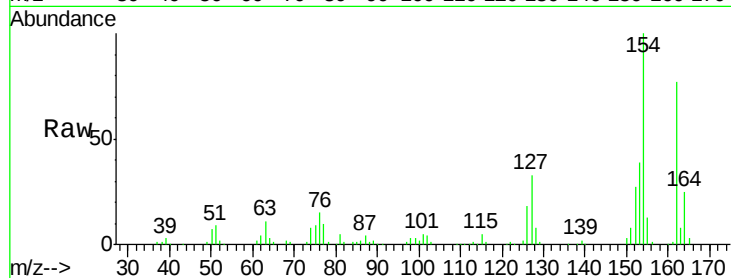
Tgt Ion:154 Resp: 190490

Ion Ratio Lower Upper

154 100

153 39.3 20.0 60.0

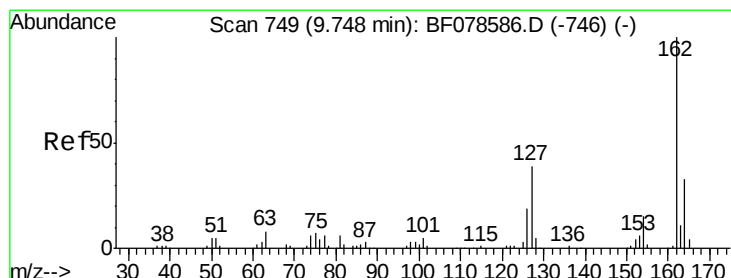
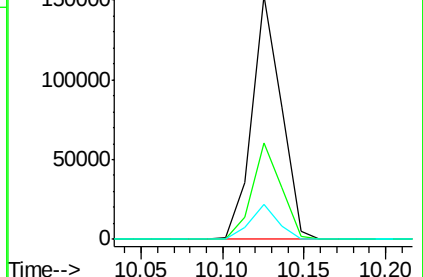
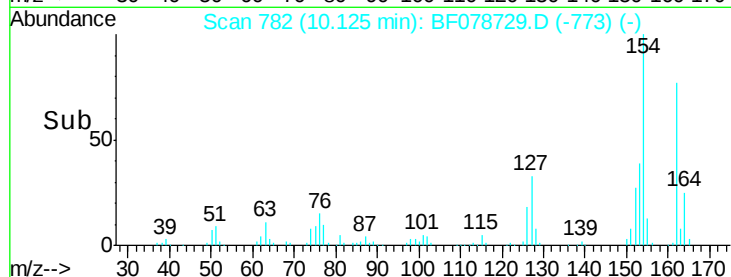
76 14.5 0.0 30.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 40.95 ng

RT: 10.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

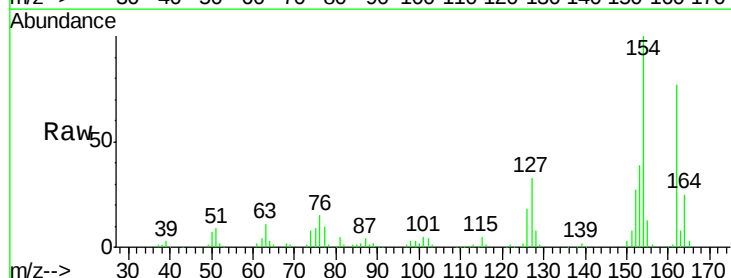
Tgt Ion:162 Resp: 145838

Ion Ratio Lower Upper

162 100

127 43.2 32.6 49.0

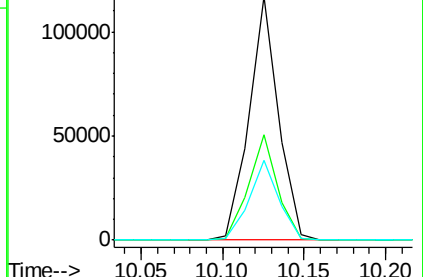
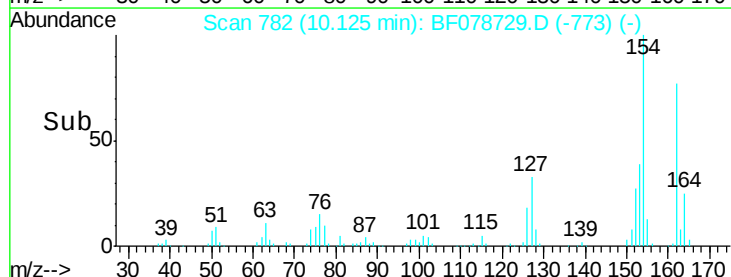
164 32.5 26.0 39.0

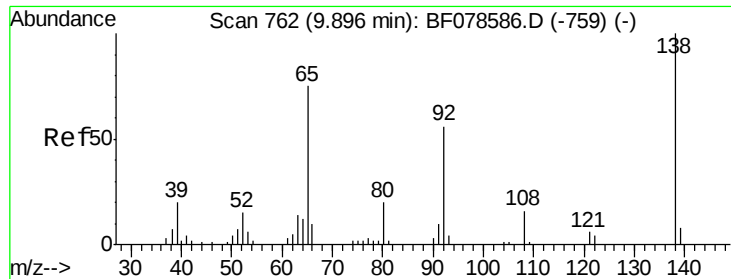


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

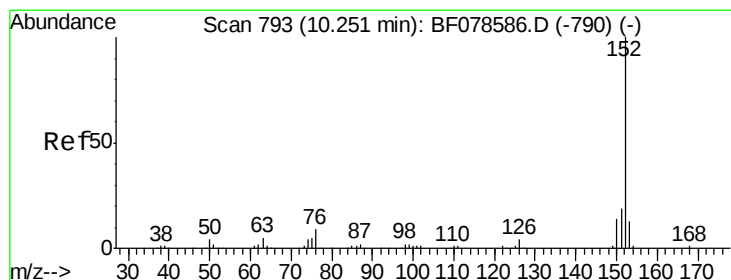
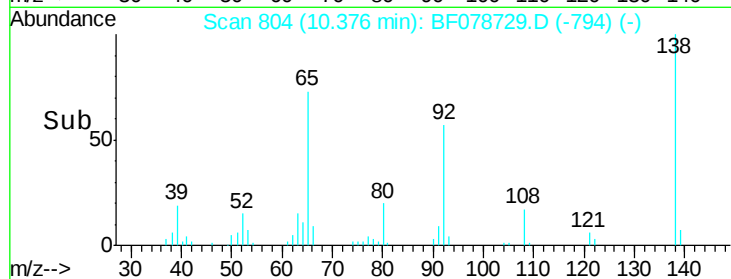
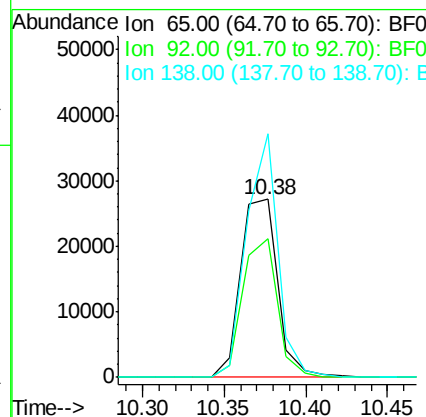
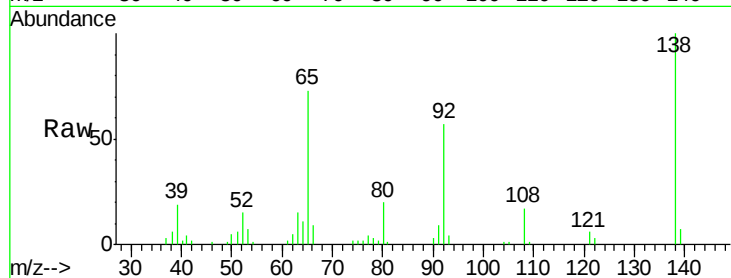




#47  
2-Nitroaniline  
Concen: 48.76 ng  
RT: 10.38 min Scan# 804  
Delta R.T. 0.01 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

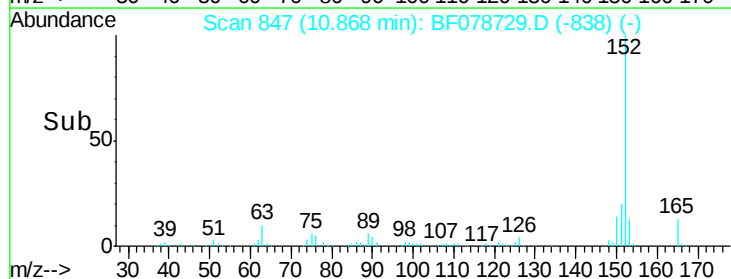
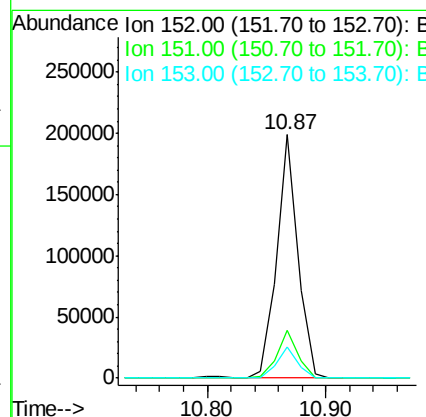
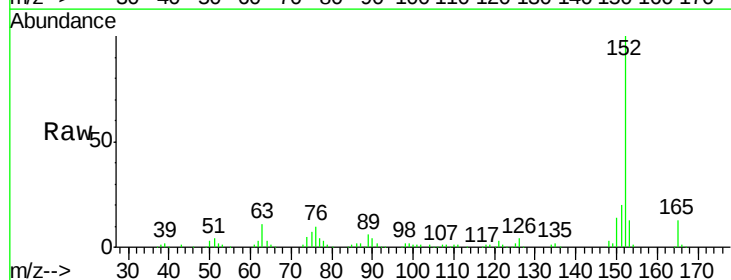
Instrument :  
BNA\_F  
ClientSampleId :  
PB82885BS

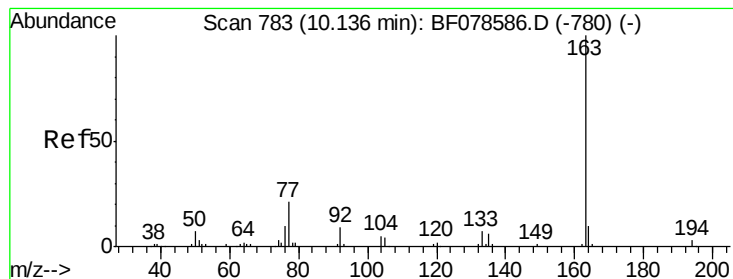
Tgt Ion: 65 Resp: 42966  
Ion Ratio Lower Upper  
65 100  
92 78.1 51.3 76.9#  
138 136.7 70.4 105.6#



#48  
Acenaphthylene  
Concen: 42.76 ng  
RT: 10.87 min Scan# 847  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Tgt Ion: 152 Resp: 245928  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.7 23.5  
153 12.8 10.2 15.2





#49

Dimethylphthalate

Concen: 43.44 ng

RT: 10.78 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

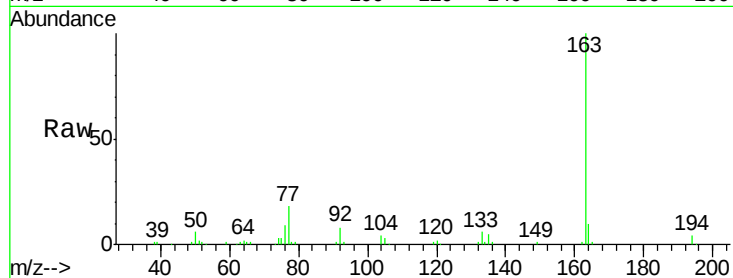
Tgt Ion:163 Resp: 180630

Ion Ratio Lower Upper

163 100

194 3.7 2.3 3.5#

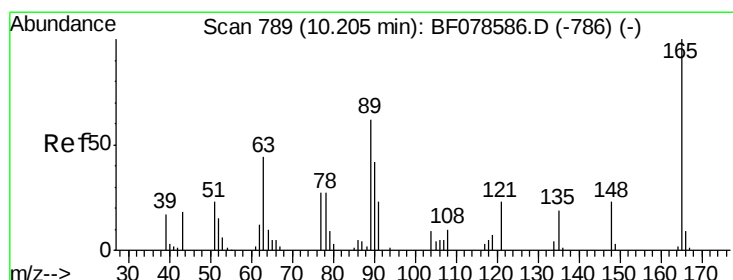
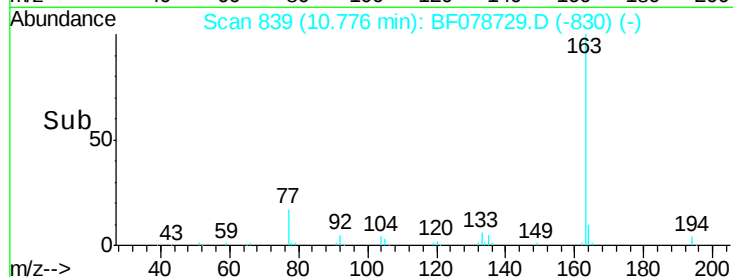
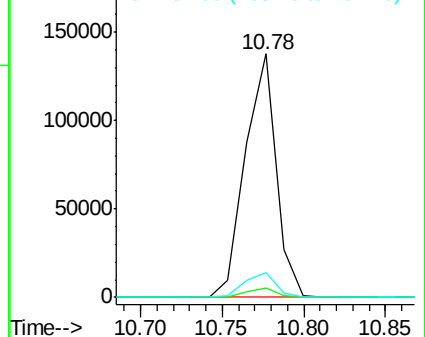
164 10.0 8.6 13.0



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: 44.31 ng

RT: 10.87 min Scan# 847

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

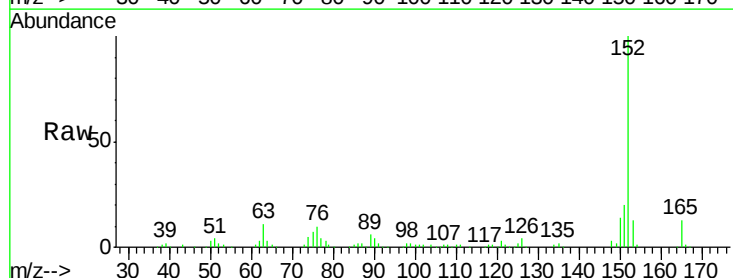
Tgt Ion:165 Resp: 37908

Ion Ratio Lower Upper

165 100

63 80.4 24.1 36.1#

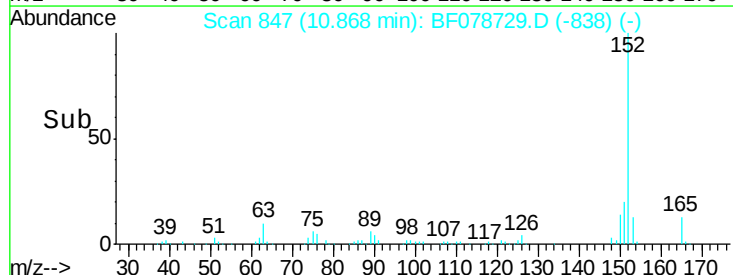
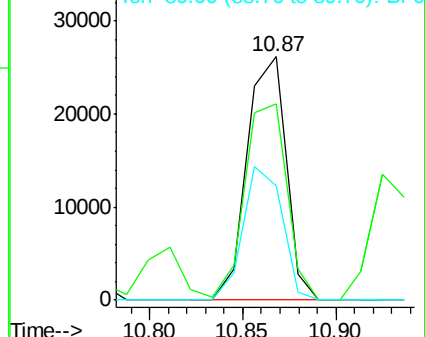
89 46.7 28.9 43.3#

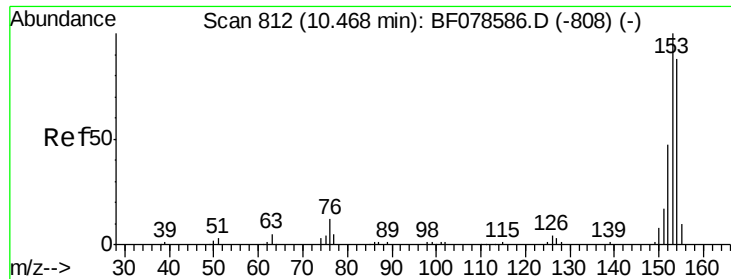


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 42.92 ng

RT: 11.20 min Scan# 876

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

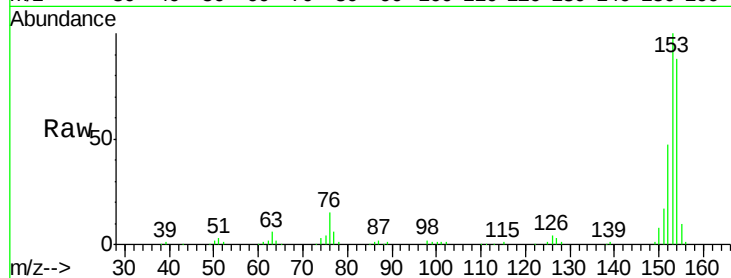
Tgt Ion:154 Resp: 138991

Ion Ratio Lower Upper

154 100

153 114.2 91.4 137.2

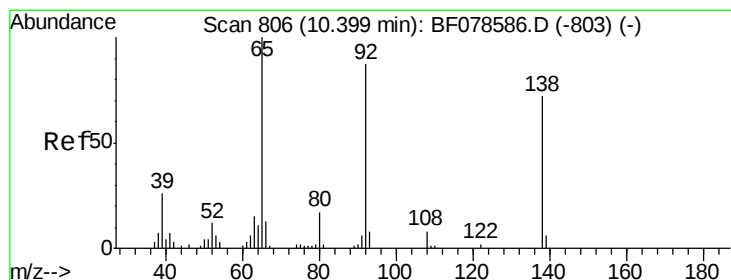
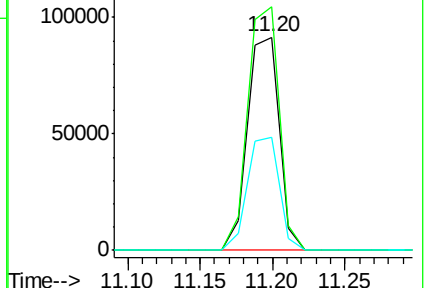
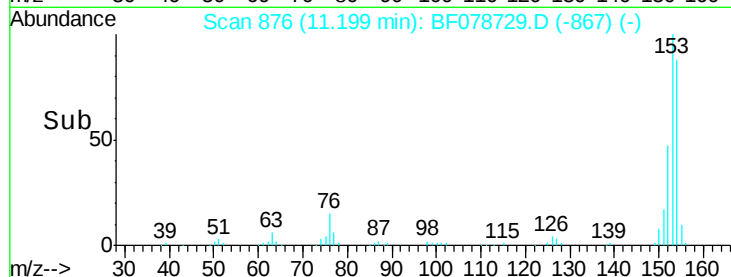
152 53.2 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 32.57 ng

RT: 11.14 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

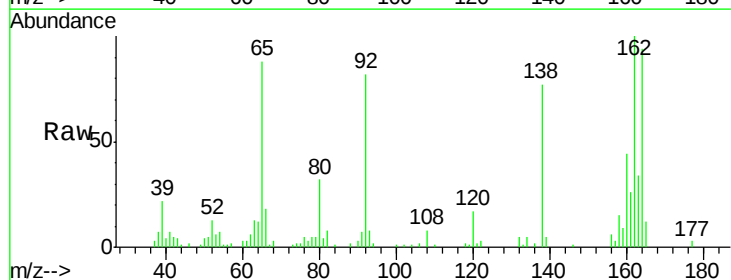
Tgt Ion:138 Resp: 31684

Ion Ratio Lower Upper

138 100

108 11.0 8.2 12.4

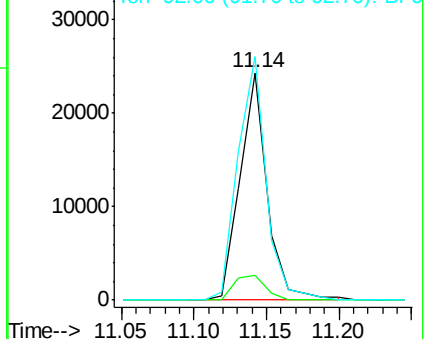
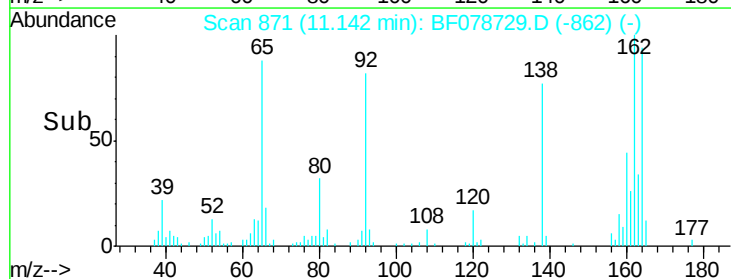
92 107.1 88.4 132.6

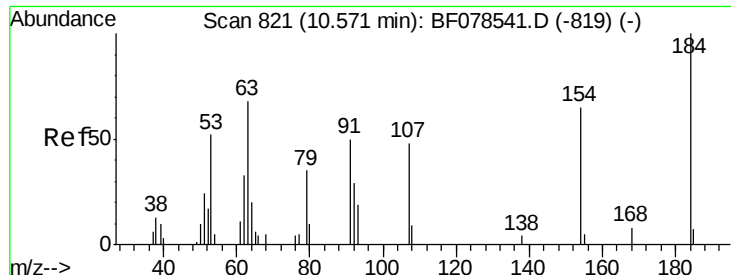


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

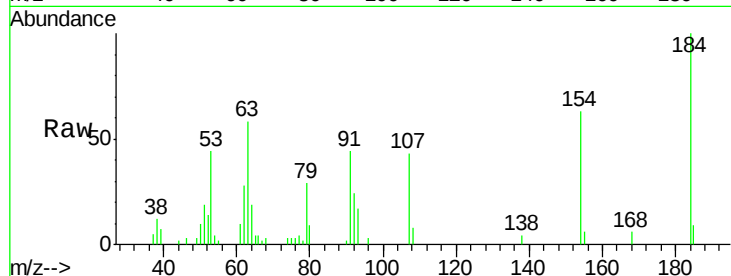




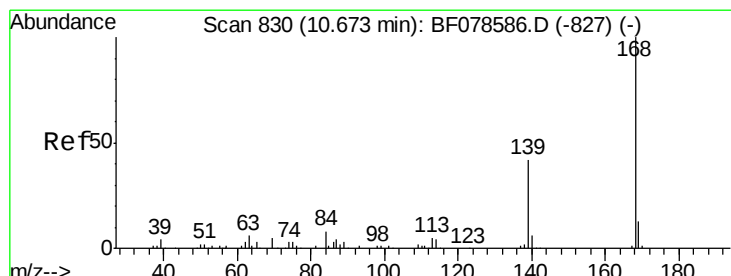
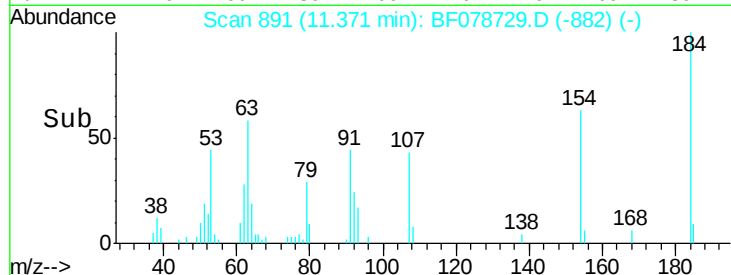
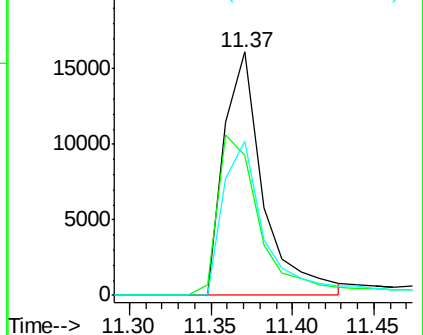
#53  
2,4-Dinitrophenol  
Concen: 80.66 ng  
RT: 11.37 min Scan# 891  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB82885BS

Tgt Ion:184 Resp: 26946  
Ion Ratio Lower Upper  
184 100  
63 57.6 51.9 77.9  
154 63.0 51.0 76.4

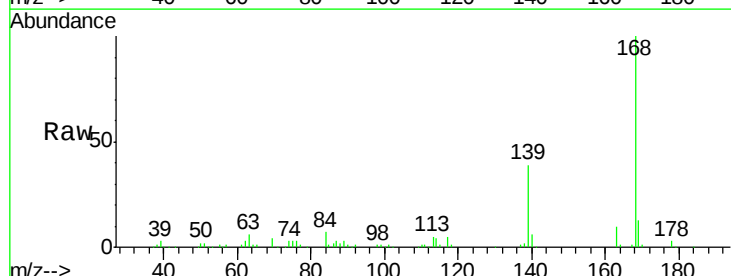


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

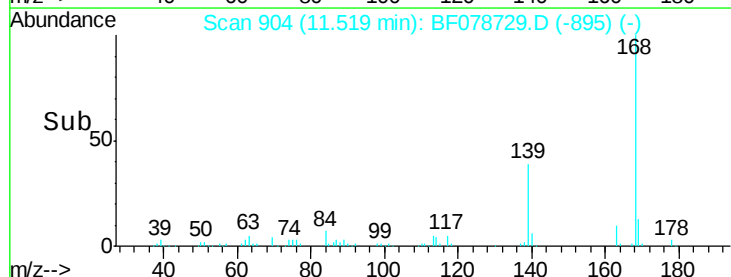
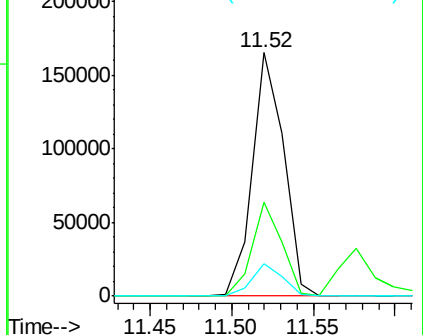


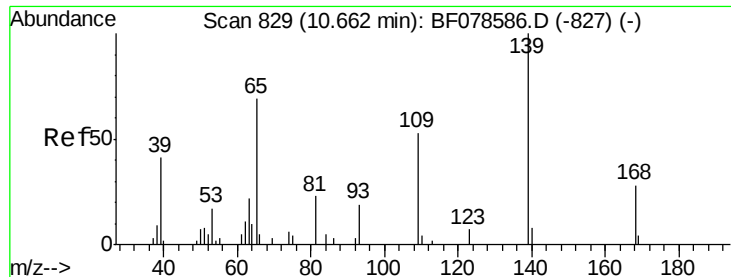
#54  
Dibenzofuran  
Concen: 44.72 ng  
RT: 11.52 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Tgt Ion:168 Resp: 221181  
Ion Ratio Lower Upper  
168 100  
139 38.5 31.0 46.4  
169 13.3 10.7 16.1



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

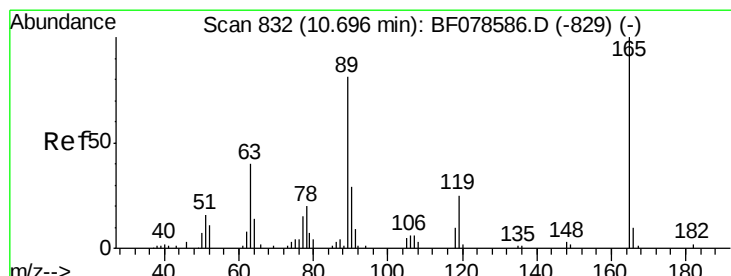
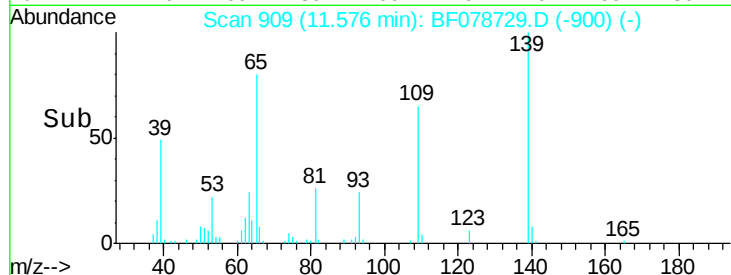
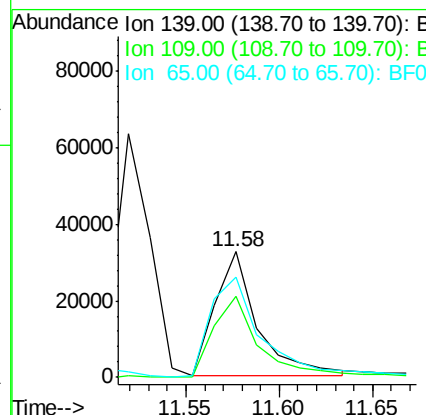
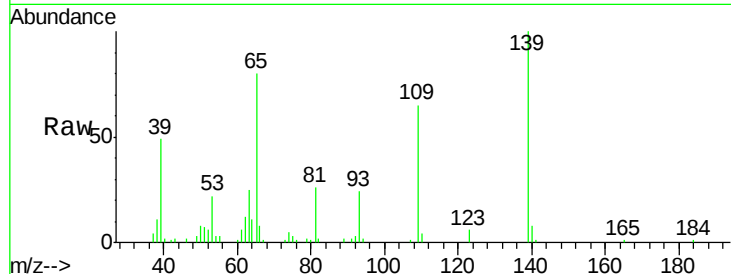




#55  
4-Nitrophenol  
Concen: 73.07 ng  
RT: 11.58 min Scan# 909  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

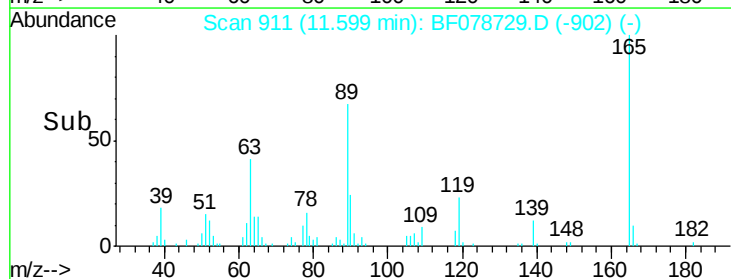
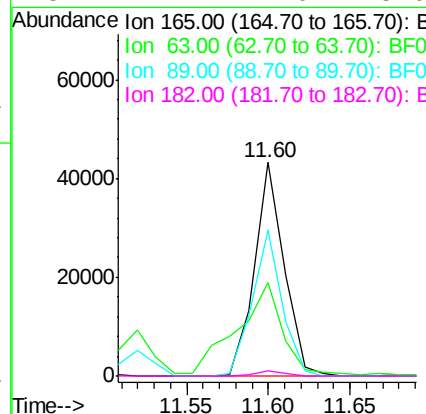
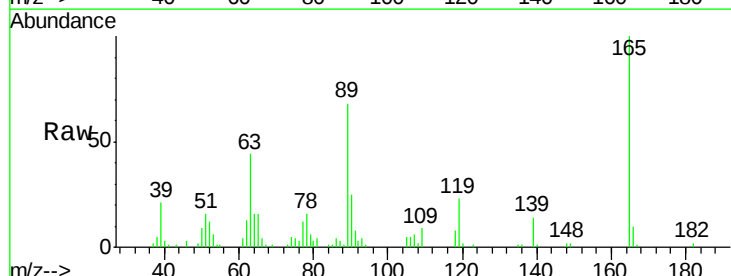
Instrument :  
BNA\_F  
ClientSampleId :  
PB82885BS

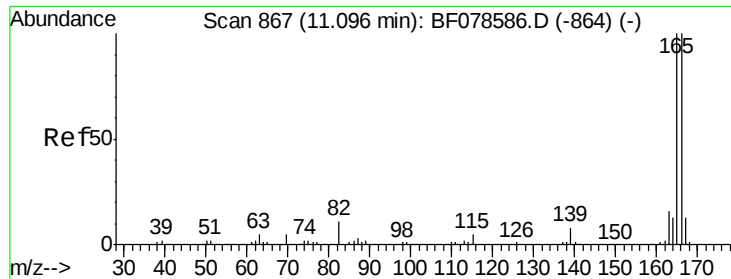
Tgt Ion:139 Resp: 52155  
Ion Ratio Lower Upper  
139 100  
109 64.7 36.7 76.7  
65 80.2 49.9 89.9



#56  
2,4-Dinitrotoluene  
Concen: 49.26 ng  
RT: 11.60 min Scan# 911  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Tgt Ion:165 Resp: 54572  
Ion Ratio Lower Upper  
165 100  
63 44.0 26.5 39.7#  
89 68.4 46.4 69.6  
182 2.2 2.0 3.0

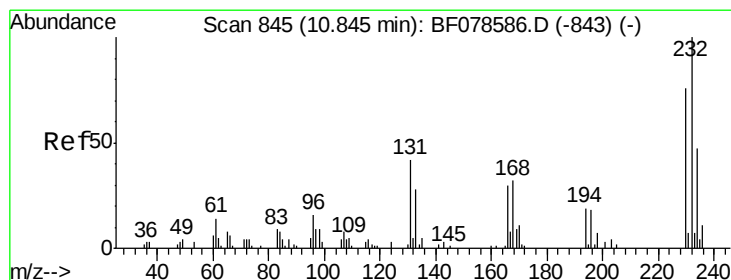
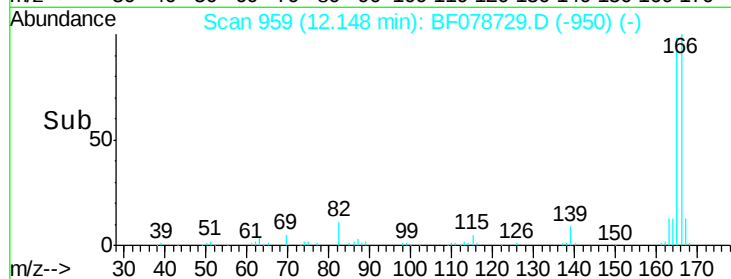
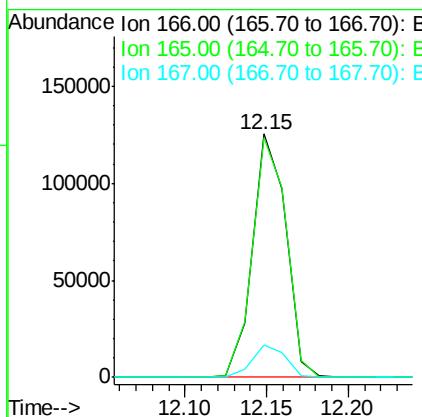
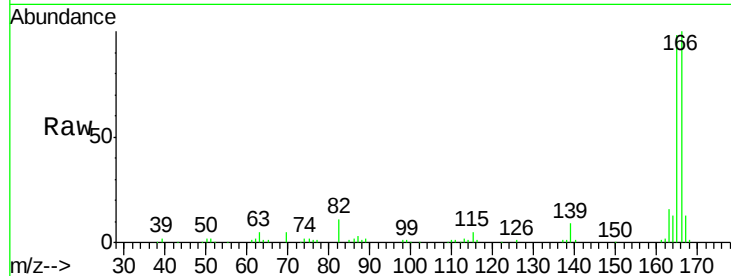




#57  
 Fluorene  
 Concen: 44.62 ng  
 RT: 12.15 min Scan# 959  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

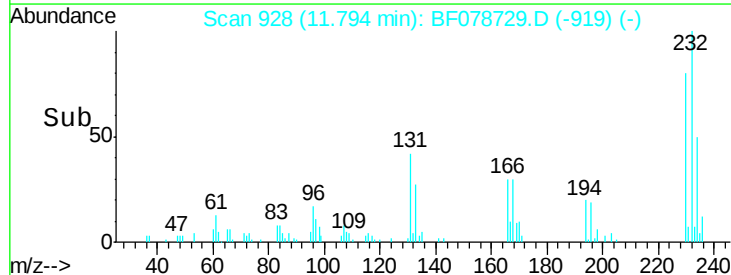
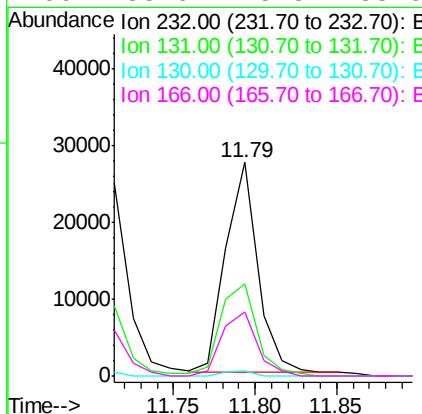
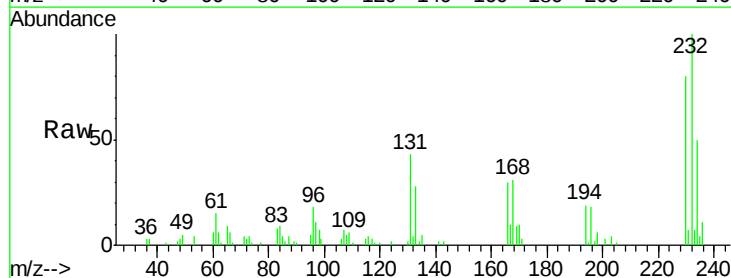
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

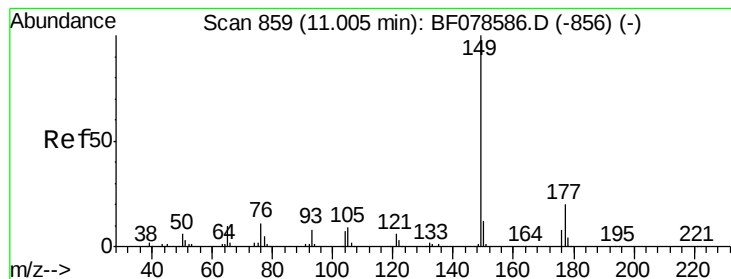
Tgt Ion:166 Resp: 178899  
 Ion Ratio Lower Upper  
 166 100  
 165 98.4 78.9 118.3  
 167 13.2 10.7 16.1



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 44.05 ng  
 RT: 11.79 min Scan# 928  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion:232 Resp: 36899  
 Ion Ratio Lower Upper  
 232 100  
 131 50.0 37.8 56.8  
 130 2.0 1.5 2.3  
 166 33.6 25.8 38.6





#59

Diethylphthalate

Concen: 46.12 ng

RT: 12.09 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

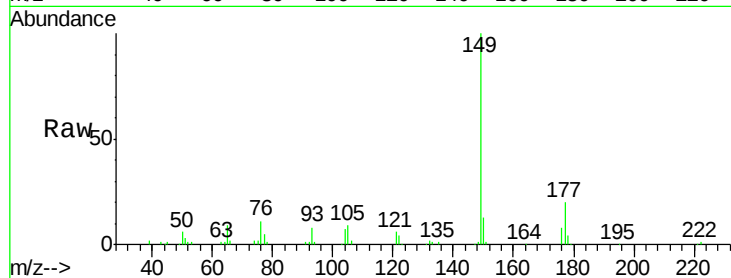
Tgt Ion:149 Resp: 184914

Ion Ratio Lower Upper

149 100

177 19.8 17.4 26.2

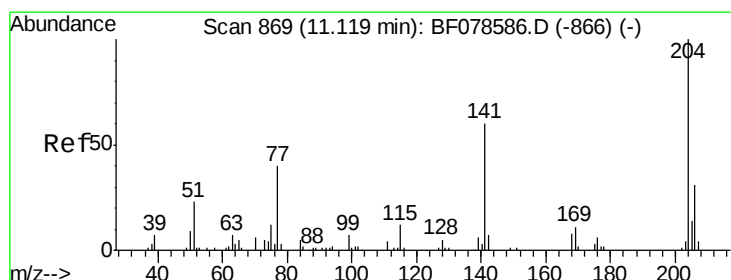
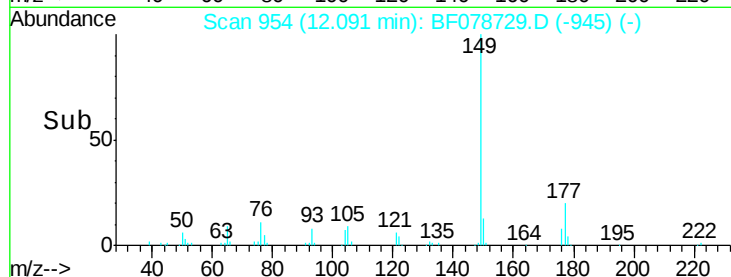
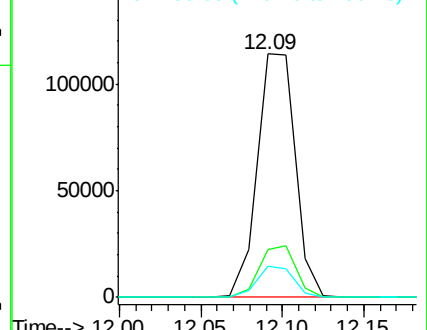
150 12.8 9.4 14.2



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: 44.77 ng

RT: 12.22 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

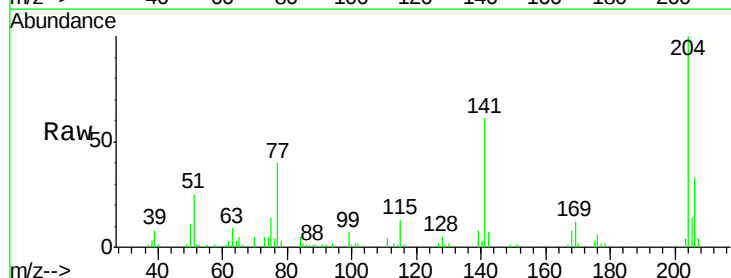
Tgt Ion:204 Resp: 82568

Ion Ratio Lower Upper

204 100

206 32.6 25.6 38.4

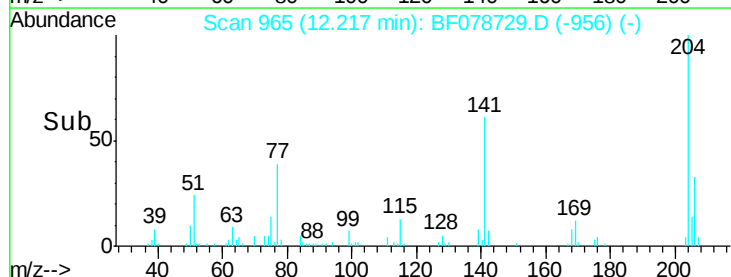
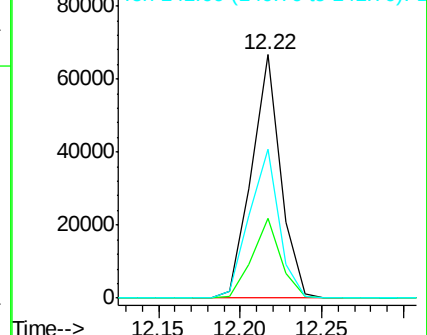
141 61.0 35.4 53.0#

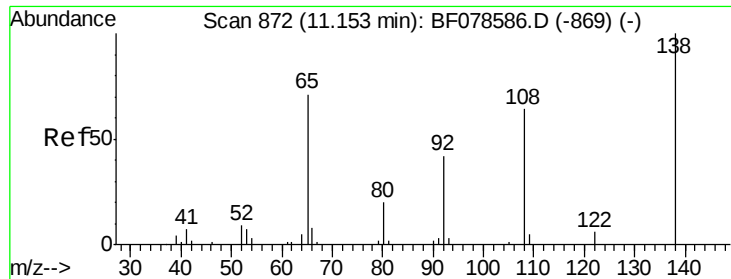


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

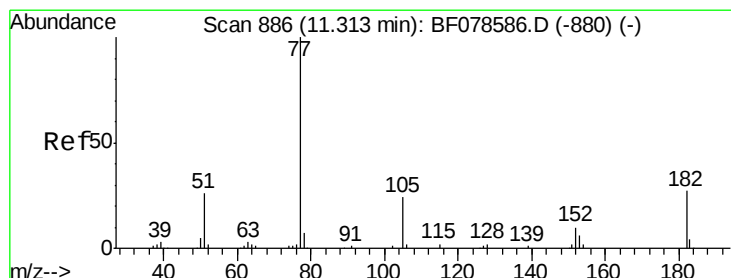
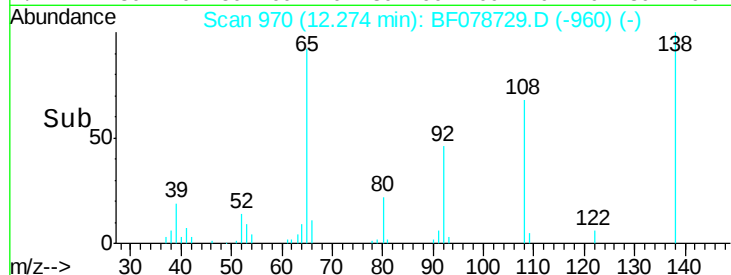
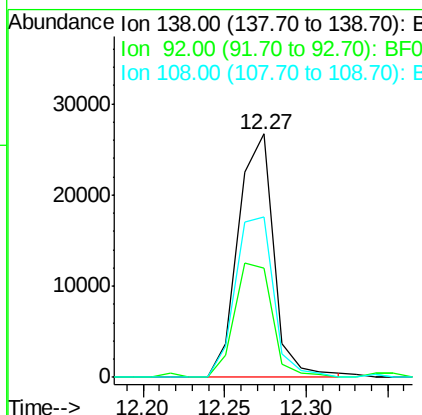
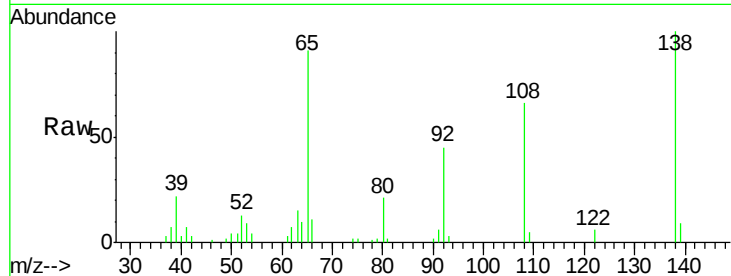




#61  
 4-Nitroaniline  
 Concen: 40.85 ng  
 RT: 12.27 min Scan# 970  
 Delta R.T. 0.01 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

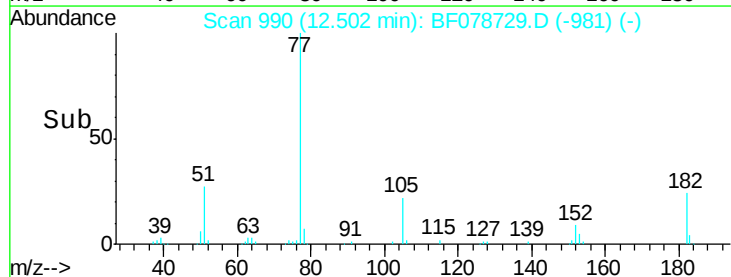
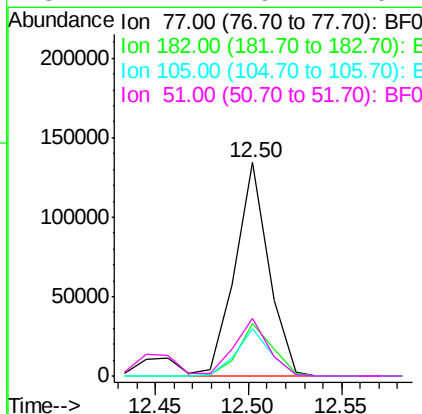
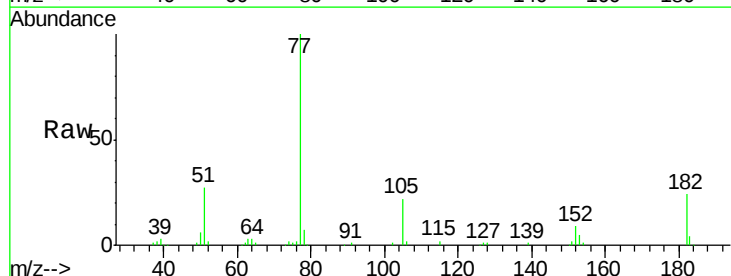
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

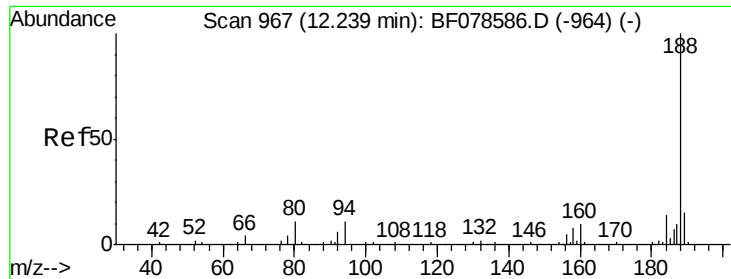
Tgt Ion: 138 Resp: 40162  
 Ion Ratio Lower Upper  
 138 100  
 92 44.7 27.3 67.3  
 108 65.9 47.2 87.2



#62  
 Azobenzene  
 Concen: 46.24 ng  
 RT: 12.50 min Scan# 990  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion: 77 Resp: 169177  
 Ion Ratio Lower Upper  
 77 100  
 182 24.4 0.0 36.8  
 105 22.1 0.3 40.3  
 51 27.1 9.1 49.1

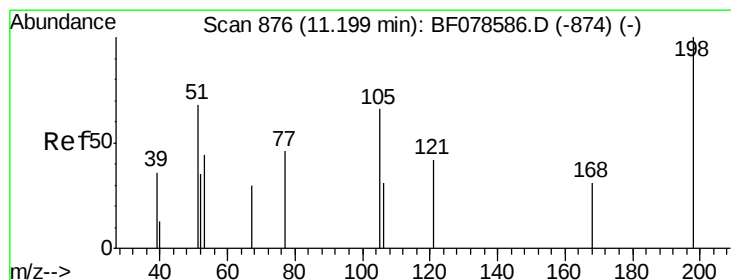
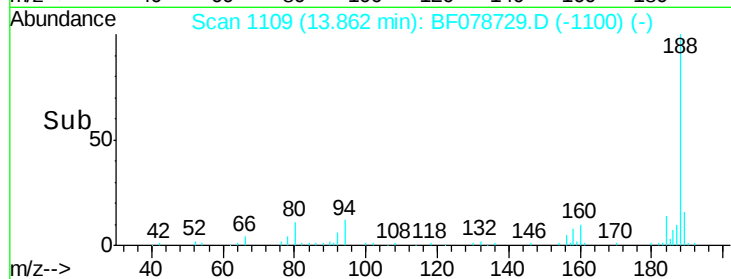
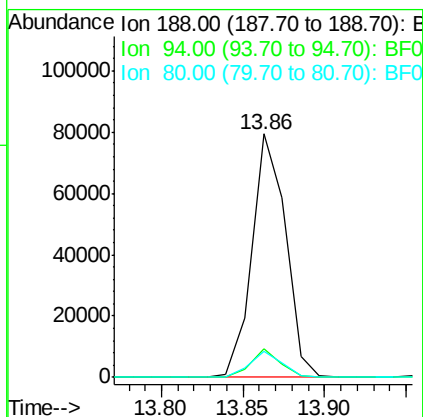
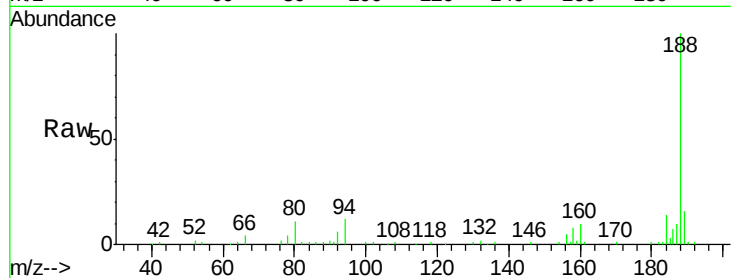




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 13.86 min Scan# 1109  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

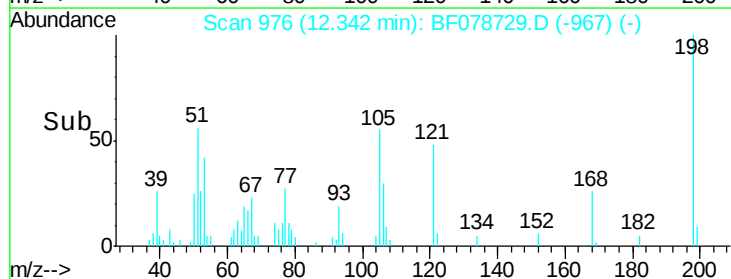
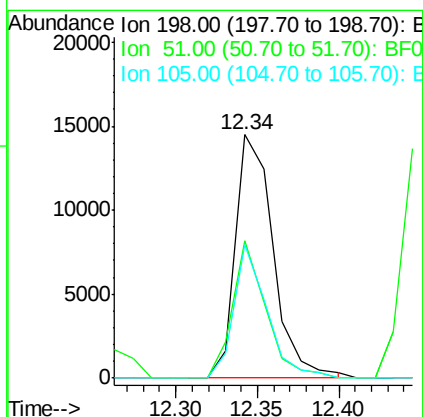
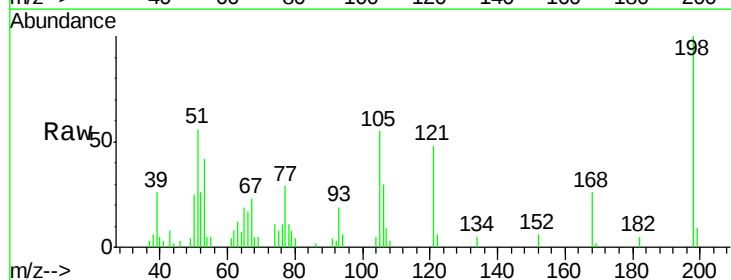
Instrument :  
BNA\_F  
ClientSampleId :  
PB82885BS

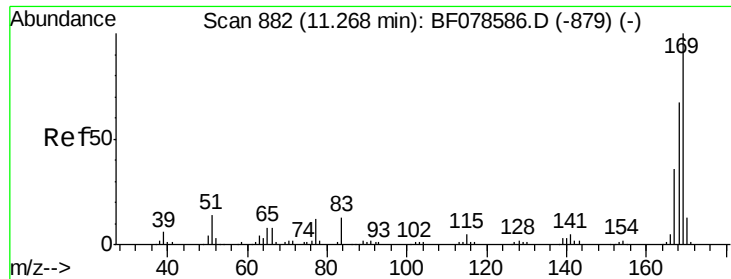
Tgt Ion:188 Resp: 113579  
Ion Ratio Lower Upper  
188 100  
94 11.5 9.0 13.4  
80 10.7 9.5 14.3



#64  
4,6-Dinitro-2-methylphenol  
Concen: 42.34 ng  
RT: 12.34 min Scan# 976  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Tgt Ion:198 Resp: 23177  
Ion Ratio Lower Upper  
198 100  
51 56.4 48.6 88.6  
105 55.0 45.8 85.8

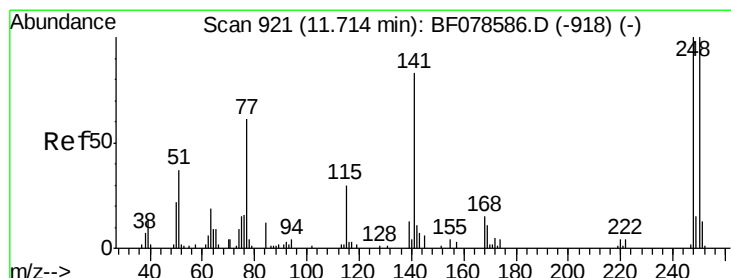
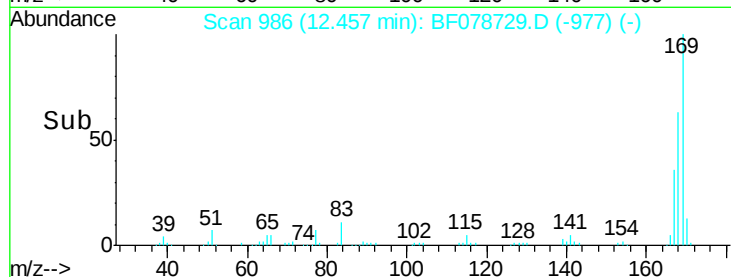
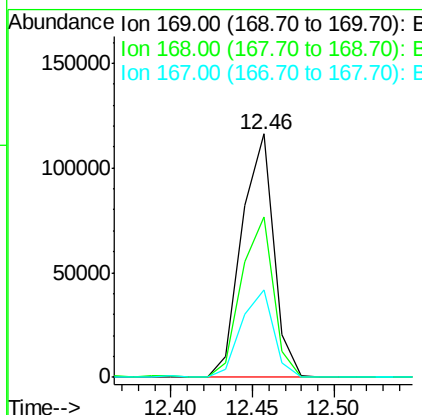
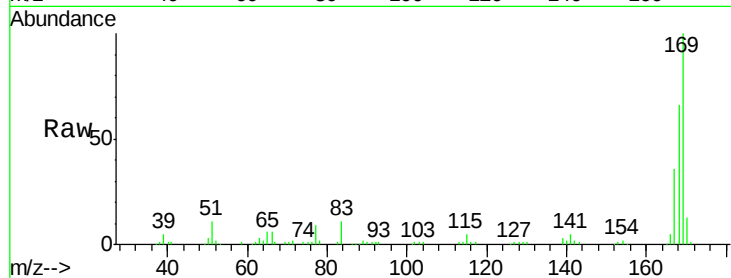




#65  
 n-Nitrosodiphenylamine  
 Concen: 39.96 ng  
 RT: 12.46 min Scan# 986  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

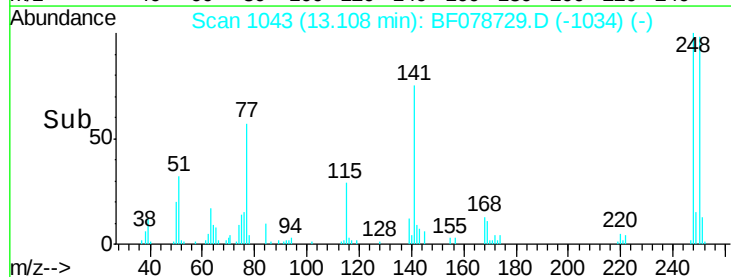
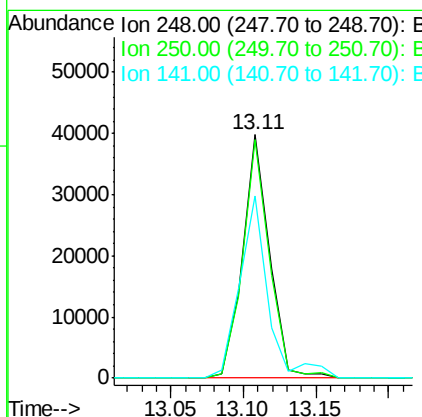
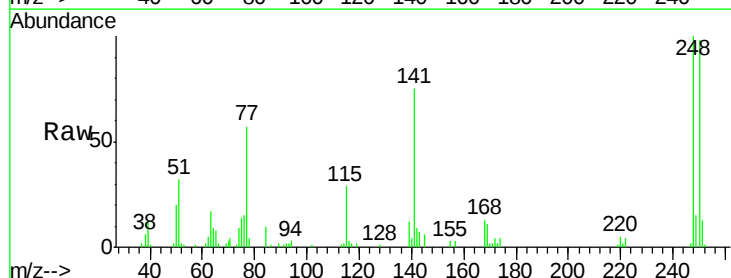
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

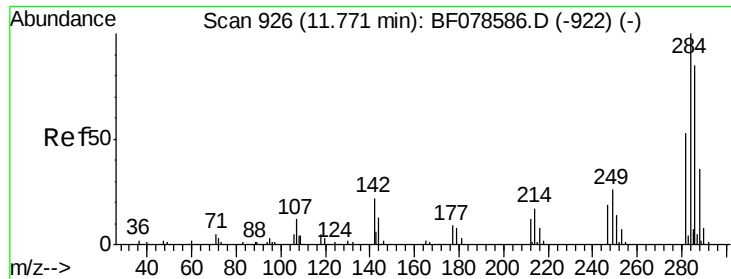
Tgt Ion:169 Resp: 156977  
 Ion Ratio Lower Upper  
 169 100  
 168 65.8 55.0 82.4  
 167 35.7 29.3 43.9



#66  
 4-Bromophenyl-phenylether  
 Concen: 42.41 ng  
 RT: 13.11 min Scan# 1043  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion:248 Resp: 51015  
 Ion Ratio Lower Upper  
 248 100  
 250 97.9 78.2 117.2  
 141 74.6 66.4 99.6

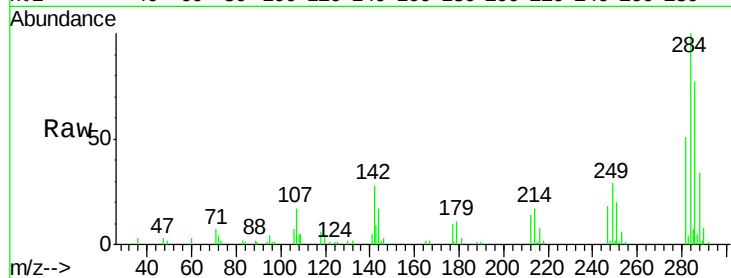




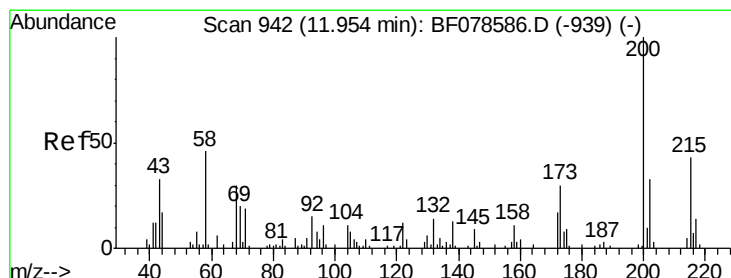
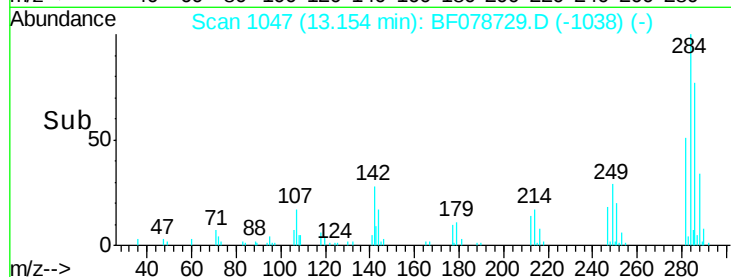
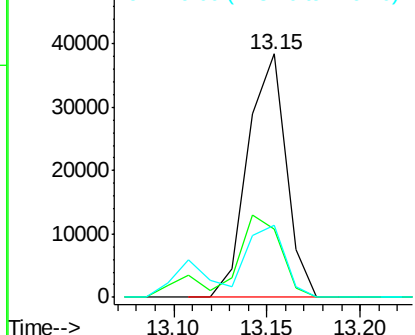
#67  
Hexachlorobenzene  
Concen: 41.34 ng  
RT: 13.15 min Scan# 1047  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB82885BS

Tgt Ion: 284 Resp: 54492  
Ion Ratio Lower Upper  
284 100  
142 28.2 24.5 36.7  
249 29.4 24.8 37.2

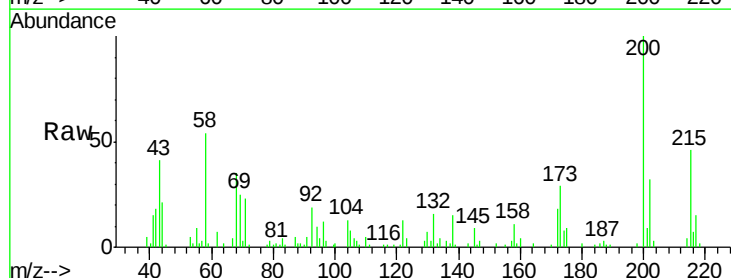


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

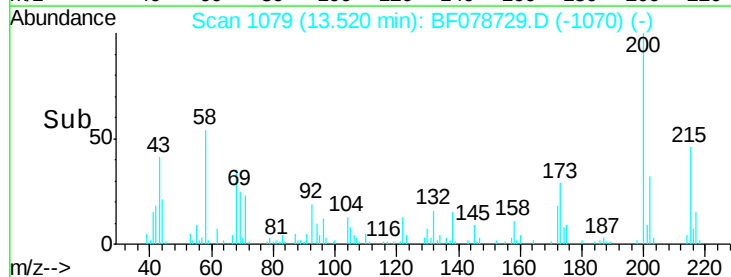
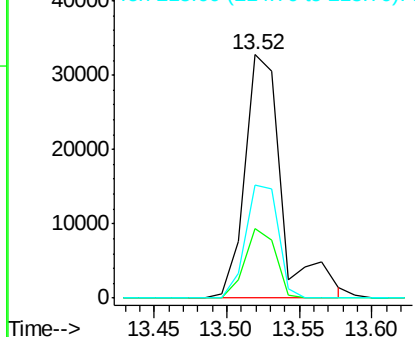


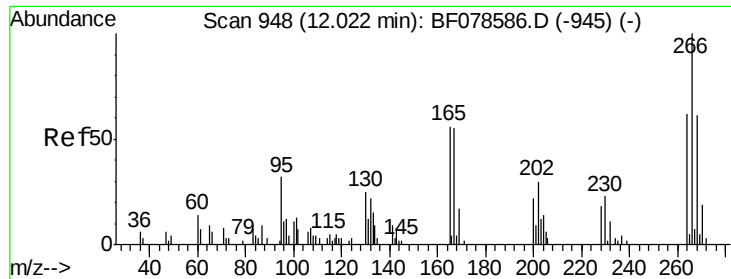
#68  
Atrazine  
Concen: 50.99 ng  
RT: 13.52 min Scan# 1079  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Tgt Ion: 200 Resp: 58024  
Ion Ratio Lower Upper  
200 100  
173 28.8 6.9 46.9  
215 46.3 27.1 67.1



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

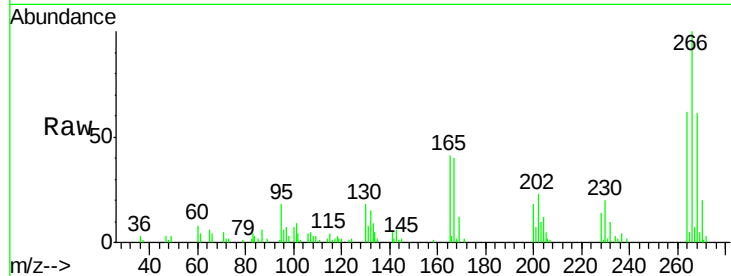




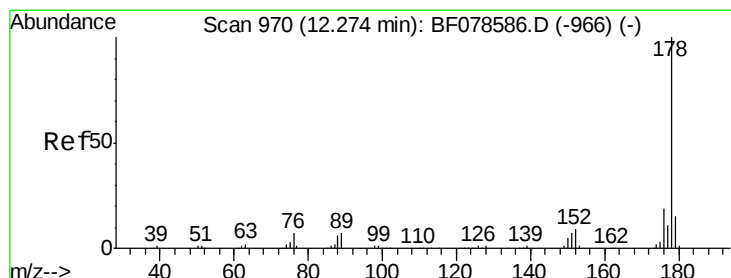
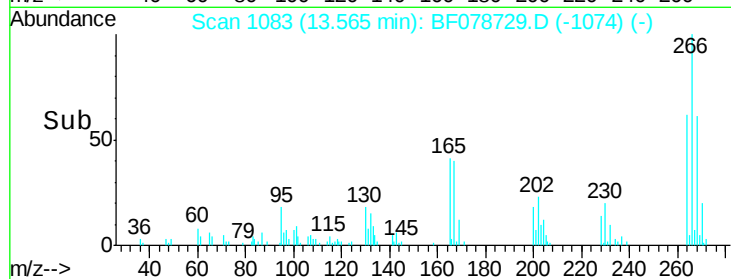
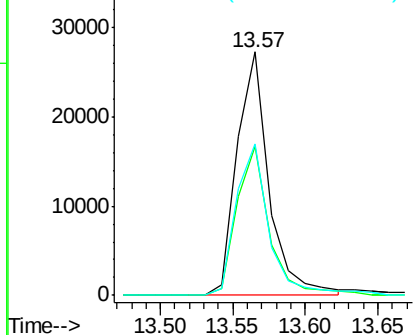
#69  
 Pentachlorophenol  
 Concen: 72.36 ng  
 RT: 13.57 min Scan# 1083  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

Tgt Ion:266 Resp: 41817  
 Ion Ratio Lower Upper  
 266 100  
 268 61.3 50.1 75.1  
 264 62.2 50.0 75.0

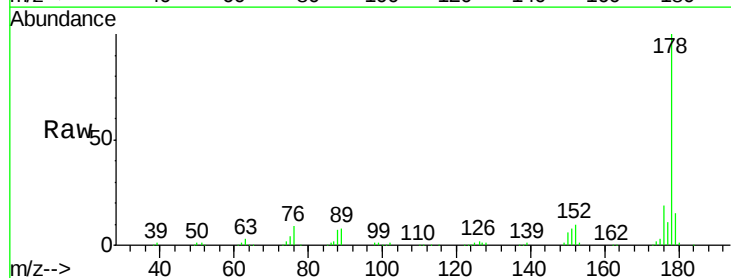


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

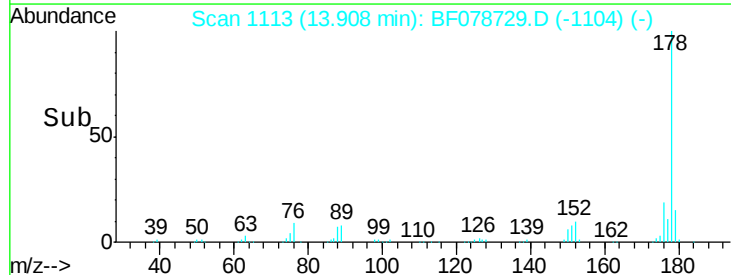
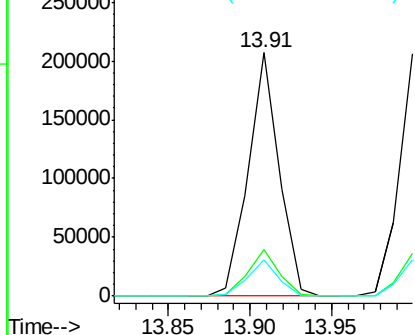


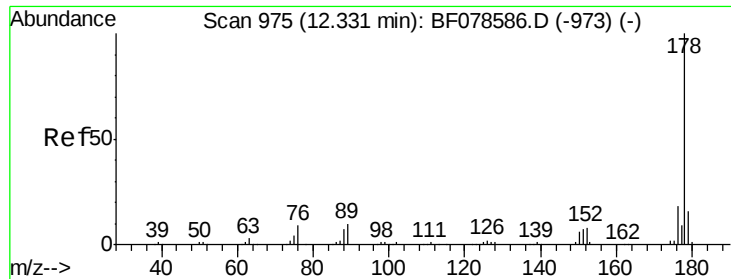
#70  
 Phenanthrene  
 Concen: 41.22 ng  
 RT: 13.91 min Scan# 1113  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion:178 Resp: 270795  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.4 23.0  
 179 15.1 12.2 18.2



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

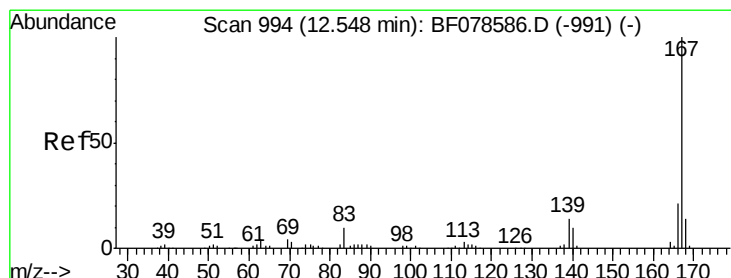
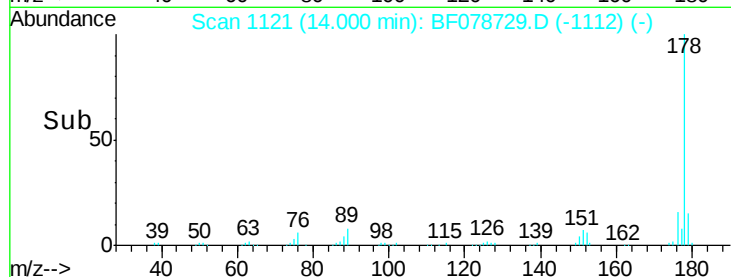
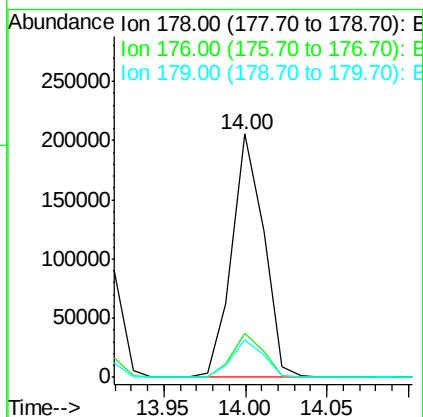
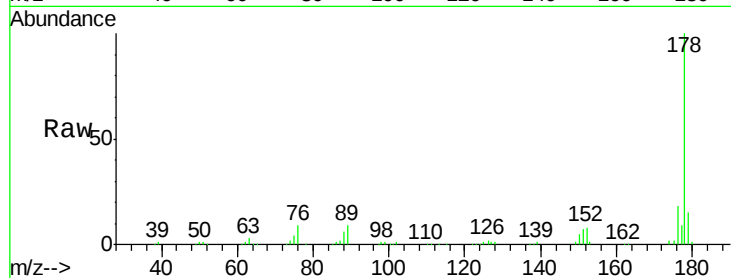




#71  
 Anthracene  
 Concen: 42.91 ng  
 RT: 14.00 min Scan# 1121  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

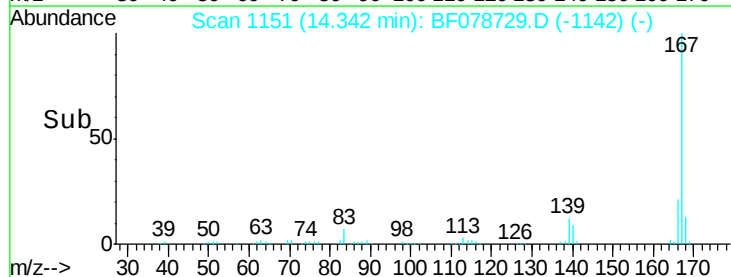
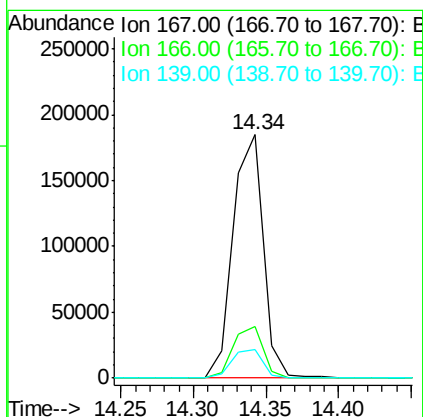
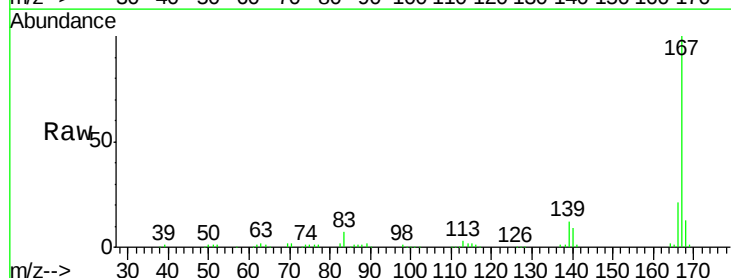
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB82885BS

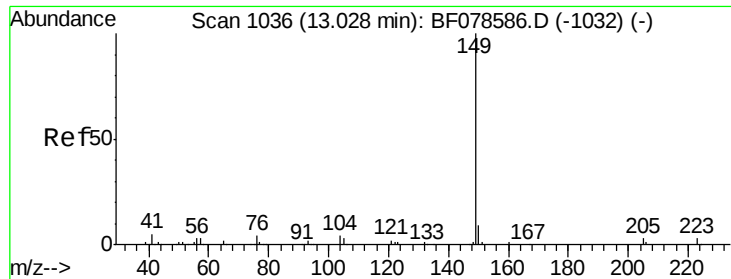
Tgt Ion:178 Resp: 277814  
 Ion Ratio Lower Upper  
 178 100  
 176 17.8 14.8 22.2  
 179 15.2 12.4 18.6



#72  
 Carbazole  
 Concen: 44.30 ng  
 RT: 14.34 min Scan# 1151  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion:167 Resp: 268789  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 16.8 25.2  
 139 11.8 10.0 15.0

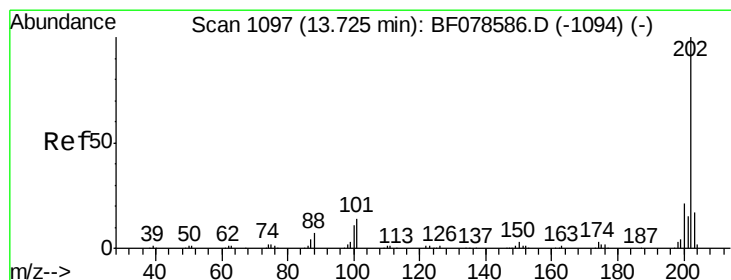
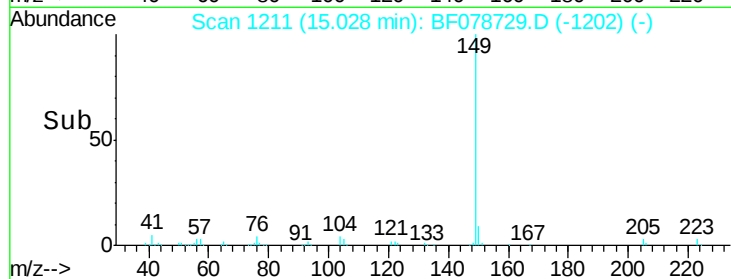
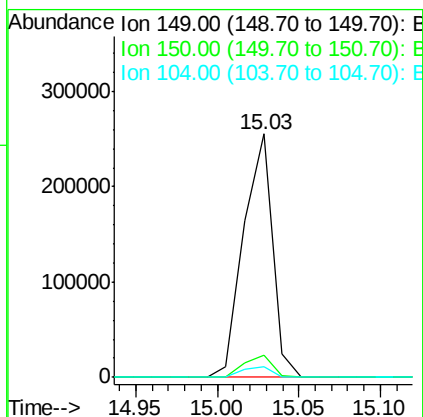
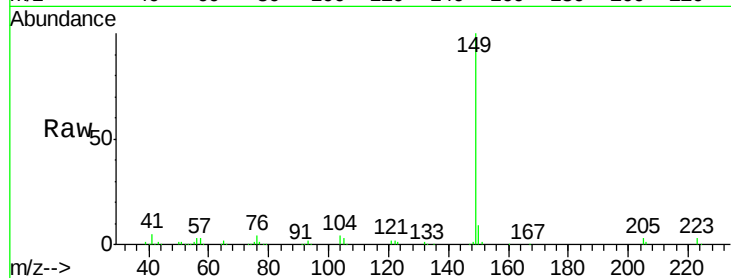




#73  
Di-n-butylphthalate  
Concen: 45.53 ng  
RT: 15.03 min Scan# 1211  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

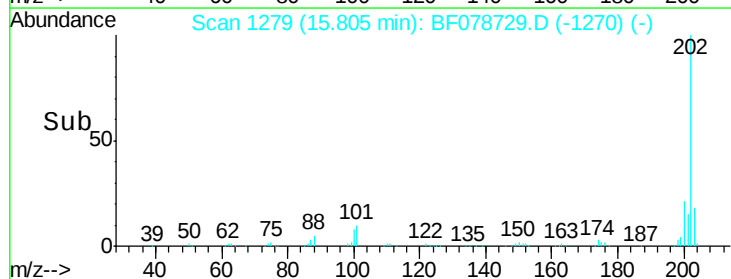
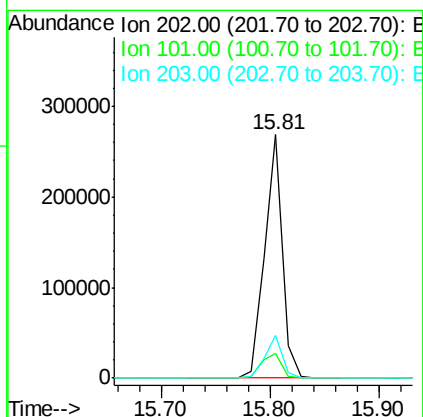
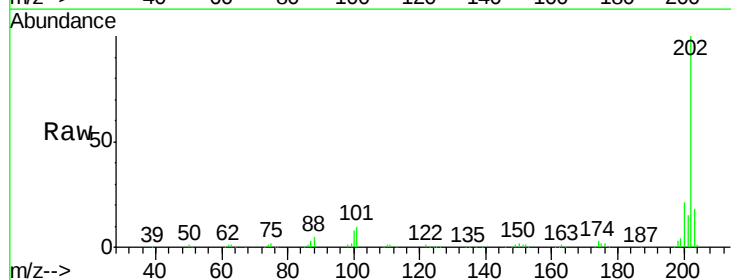
Instrument :  
BNA\_F  
ClientSampleId :  
PB82885BS

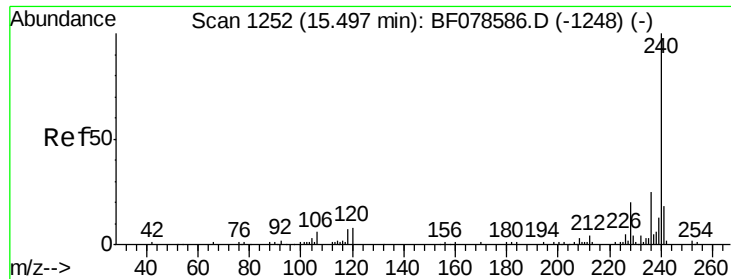
Tgt Ion:149 Resp: 312960  
Ion Ratio Lower Upper  
149 100  
150 8.9 7.1 10.7  
104 4.3 3.8 5.6



#74  
Fluoranthene  
Concen: 44.38 ng  
RT: 15.81 min Scan# 1279  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Tgt Ion:202 Resp: 307513  
Ion Ratio Lower Upper  
202 100  
101 10.1 0.0 35.2  
203 17.5 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.74 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

Instrument :

BNA\_F

ClientSampleId :

PB82885BS

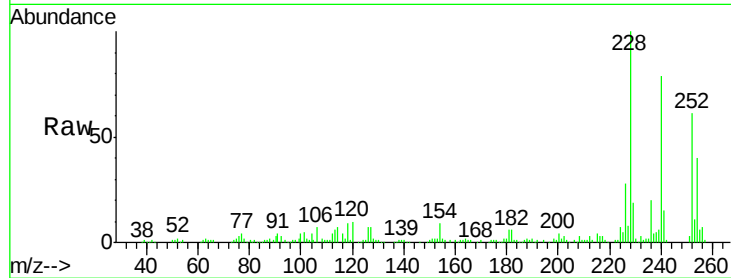
Tgt Ion:240 Resp: 120901

Ion Ratio Lower Upper

240 100

120 12.8 7.1 10.7#

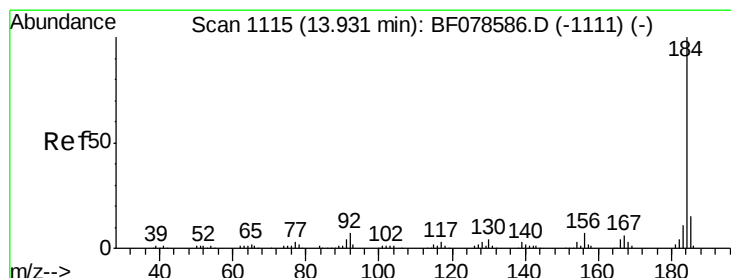
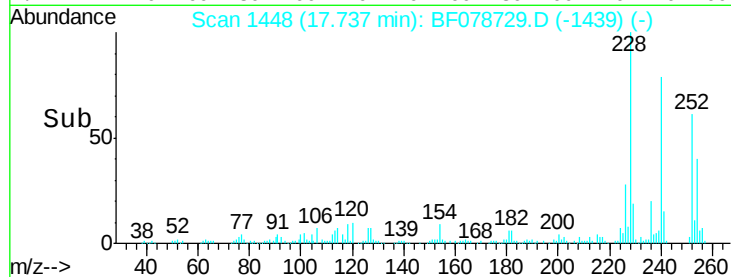
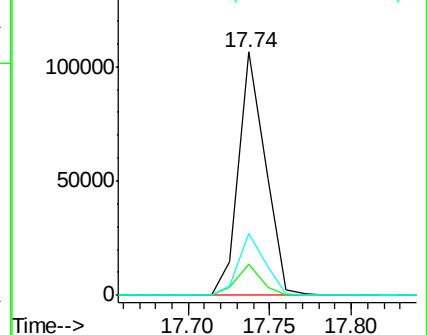
236 25.2 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 23.08 ng

RT: 16.07 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BF078729.D

Acq: 22 Apr 2015 22:09

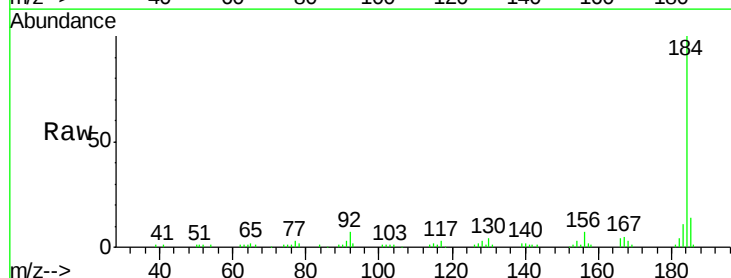
Tgt Ion:184 Resp: 107448

Ion Ratio Lower Upper

184 100

185 14.4 12.2 18.2

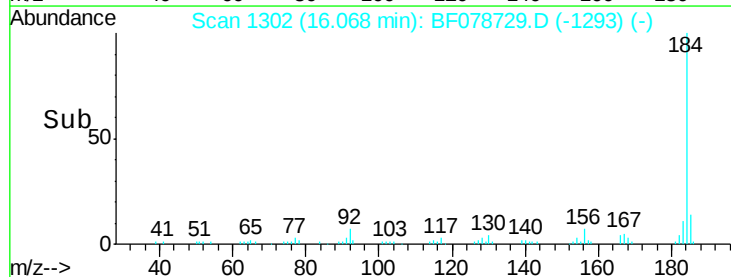
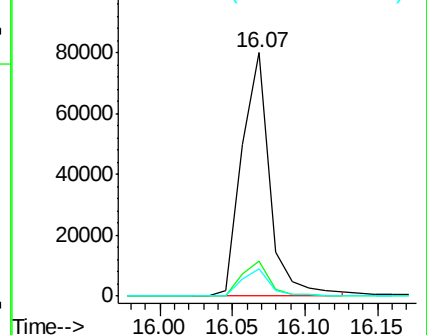
183 11.3 9.5 14.3

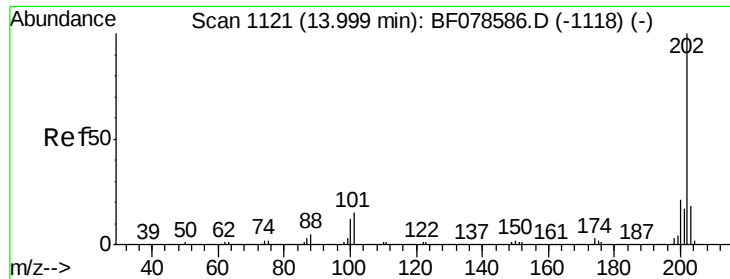


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

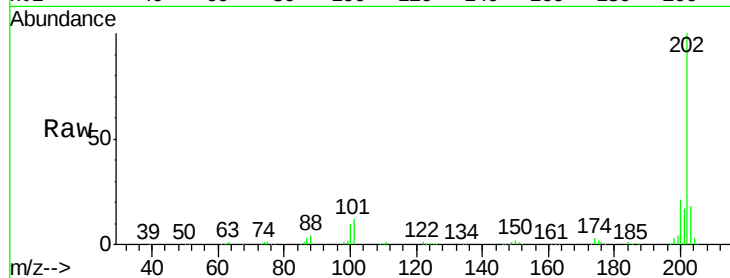




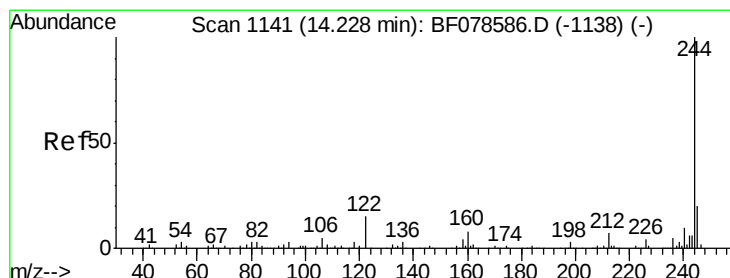
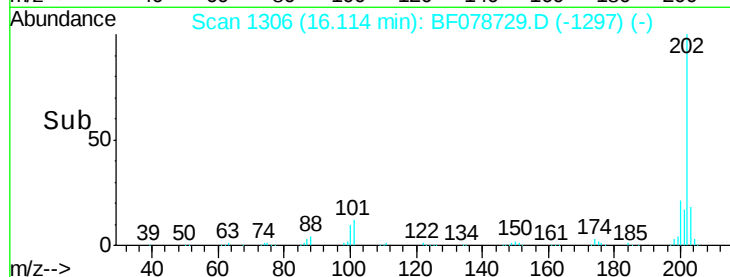
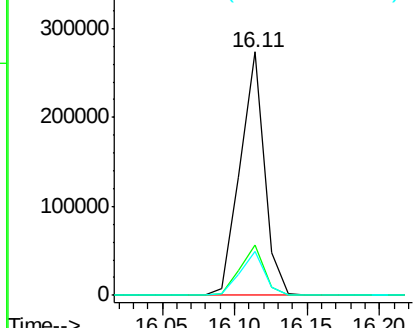
#77  
 Pyrene  
 Concen: 42.08 ng  
 RT: 16.11 min Scan# 1306  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82885BS

Tgt Ion: 202 Resp: 319382  
 Ion Ratio Lower Upper  
 202 100  
 200 20.7 16.3 24.5  
 203 18.2 13.8 20.6

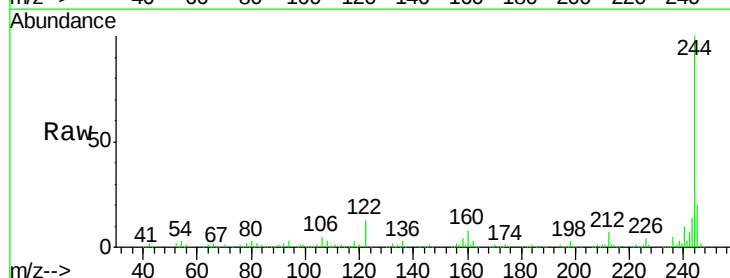


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

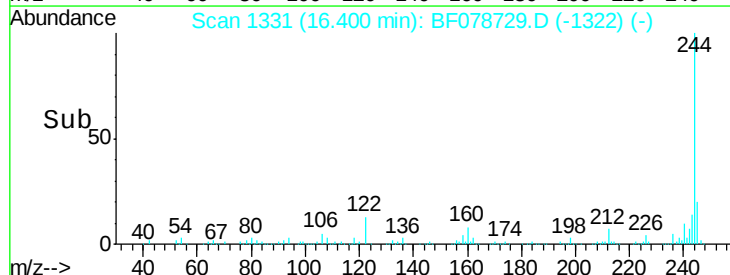
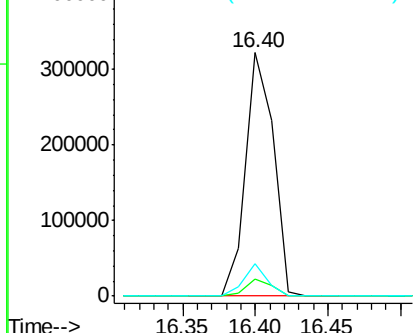


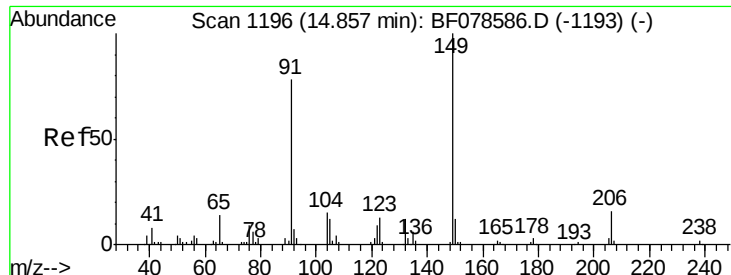
#78  
 Terphenyl-d14  
 Concen: 80.21 ng  
 RT: 16.40 min Scan# 1331  
 Delta R.T. 0.00 min  
 Lab File: BF078729.D  
 Acq: 22 Apr 2015 22:09

Tgt Ion: 244 Resp: 429178  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.0 7.4  
 122 13.4 7.1 10.7#



Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

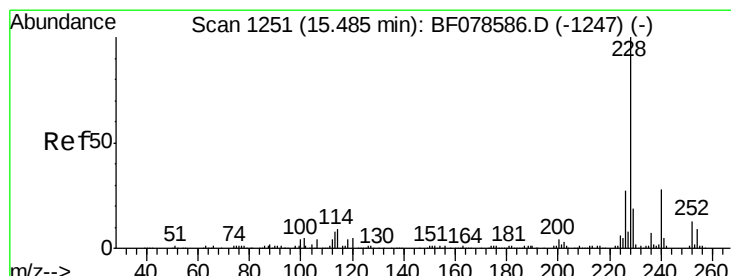
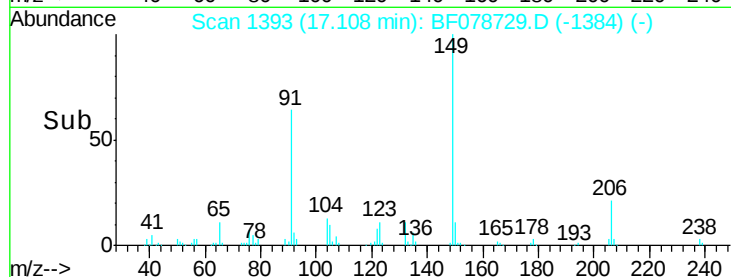
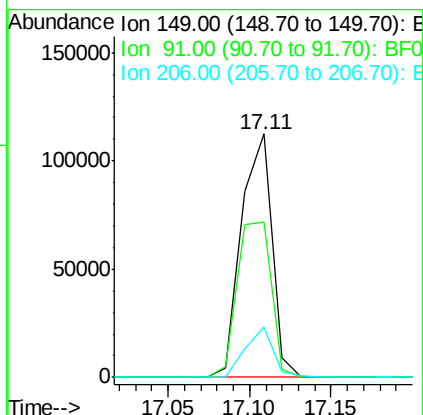
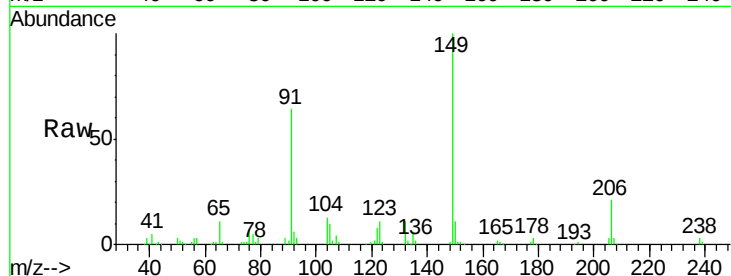




#79  
Butylbenzylphthalate  
Concen: 50.28 ng  
RT: 17.11 min Scan# 1393  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB82885BS

Tgt Ion:149 Resp: 145453  
Ion Ratio Lower Upper  
149 100  
91 63.9 64.2 96.2#  
206 20.6 12.6 18.8#



#80  
Benzo(a)anthracene  
Concen: 41.90 ng  
RT: 17.73 min Scan# 1447  
Delta R.T. 0.00 min  
Lab File: BF078729.D  
Acq: 22 Apr 2015 22:09

Tgt Ion:228 Resp: 301372  
Ion Ratio Lower Upper  
228 100  
226 27.9 21.3 31.9  
229 19.7 15.4 23.2

