

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041015\  
 Data File : BF078447.D  
 Acq On : 11 Apr 2015 19:12  
 Operator : TP/IZ  
 Sample : G1787-20MS  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

Quant Time: Apr 13 02:24:47 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 09 11:29:31 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.86  | 152  | 27525    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.44  | 136  | 117987   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 10.59 | 164  | 59395    | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10      | 12.42 | 188  | 120757   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12          | 15.69 | 240  | 130080   | 20.00 | ng    | -0.06    |
| 86) Perylene-d12          | 17.38 | 264  | 128873   | 20.00 | ng    | -0.08    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.13  | 112 | 226368 | 135.60 | ng | -0.05 |
| 7) Phenol-d6                | 6.46  | 99  | 267734 | 127.97 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.56  | 82  | 182989 | 94.01  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 11.57 | 330 | 79573  | 161.54 | ng | -0.05 |
| 44) 2-Fluorobiphenyl        | 9.79  | 172 | 424020 | 102.05 | ng | -0.02 |
| 78) Terphenyl-d14           | 14.42 | 244 | 529136 | 91.92  | ng | -0.05 |

|                                |      |     |        |       |    |        |
|--------------------------------|------|-----|--------|-------|----|--------|
| Target Compounds               |      |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 1.69 | 88  | 26837  | 35.55 | ng | # 92   |
| 3) Pyridine                    | 2.28 | 79  | 52614  | 26.61 | ng | 99     |
| 6) Aniline                     | 6.45 | 93  | 32727  | 11.03 | ng | 91     |
| 8) 2-Chlorophenol              | 6.59 | 128 | 88608  | 44.89 | ng | 92     |
| 9) Benzaldehyde                | 6.30 | 77  | 16971  | 12.24 | ng | 99     |
| 10) Phenol                     | 6.48 | 94  | 90649  | 36.16 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 6.57 | 93  | 83148  | 46.12 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.78 | 146 | 89903  | 41.46 | ng | # 91   |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 94060  | 43.10 | ng | # 94   |
| 14) 1,2-Dichlorobenzene        | 7.06 | 146 | 87872  | 42.94 | ng | 97     |
| 15) Benzyl Alcohol             | 7.06 | 79  | 69709  | 47.41 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45  | 114985 | 47.82 | ng | 94     |
| 17) 2-Methylphenol             | 7.23 | 107 | 67373  | 43.96 | ng | 97     |
| 18) Hexachloroethane           | 7.48 | 117 | 26142  | 35.52 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.40 | 70  | 64816  | 46.95 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.42 | 107 | 87359  | 42.73 | ng | 97     |
| 22) Acetophenone               | 7.38 | 105 | 128328 | 46.68 | ng | # 89   |
| 24) Nitrobenzene               | 7.58 | 77  | 92717  | 45.56 | ng | # 83   |
| 25) Isophorone                 | 7.89 | 82  | 166809 | 45.15 | ng | 100    |
| 26) 2-Nitrophenol              | 7.98 | 139 | 38501  | 39.70 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 8.06 | 122 | 77670  | 43.07 | ng | 92     |
| 28) bis(2-Chloroethoxy)methane | 8.18 | 93  | 106858 | 45.11 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.29 | 162 | 75989  | 46.32 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.37 | 180 | 79354  | 42.19 | ng | # 95   |
| 31) Naphthalene                | 8.46 | 128 | 273275 | 44.50 | ng | 100    |
| 32) Benzoic acid               | 8.20 | 122 | 38782  | 46.01 | ng | 97     |
| 33) 4-Chloroaniline            | 8.56 | 127 | 40577  | 15.92 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.62 | 225 | 45911  | 44.45 | ng | 98     |
| 35) Caprolactam                | 8.98 | 113 | 18149  | 37.06 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 9.17 | 107 | 76116  | 45.98 | ng | 98     |
| 37) 2-Methylnaphthalene        | 9.32 | 142 | 193468 | 46.40 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.53 | 216 | 82515  | 44.84 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.52 | 237 | 8847   | 17.03 | ng | 91     |
| 42) 2,4,6-Trichlorophenol      | 9.69 | 196 | 55620  | 47.92 | ng | 98     |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041015\  
 Data File : BF078447.D  
 Acq On : 11 Apr 2015 19:12  
 Operator : TP/IZ  
 Sample : G1787-20MS  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

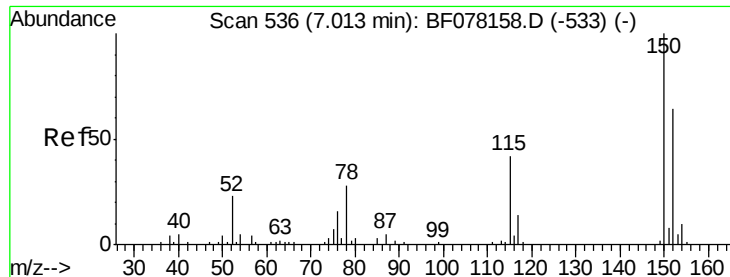
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

Quant Time: Apr 13 02:24:47 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 09 11:29:31 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 9.73  | 196  | 58076    | 47.90 | ng    | # 92     |
| 45) 1,1'-Biphenyl              | 9.90  | 154  | 232922   | 47.94 | ng    | 100      |
| 46) 2-Chloronaphthalene        | 9.92  | 162  | 179334   | 46.92 | ng    | 99       |
| 47) 2-Nitroaniline             | 10.06 | 65   | 50579    | 53.48 | ng    | # 52     |
| 48) Acenaphthylene             | 10.42 | 152  | 277922   | 45.02 | ng    | 99       |
| 49) Dimethylphthalate          | 10.30 | 163  | 217123   | 48.66 | ng    | # 97     |
| 50) 2,6-Dinitrotoluene         | 10.37 | 165  | 43978    | 47.90 | ng    | # 76     |
| 51) Acenaphthene               | 10.64 | 154  | 165514   | 47.63 | ng    | 98       |
| 52) 3-Nitroaniline             | 10.57 | 138  | 37202    | 35.64 | ng    | 94       |
| 53) 2,4-Dinitrophenol          | 10.72 | 184  | 2660     | 17.40 | ng    | 99       |
| 54) Dibenzofuran               | 10.85 | 168  | 264204   | 49.77 | ng    | 97       |
| 56) 2,4-Dinitrotoluene         | 10.86 | 165  | 56106    | 47.19 | ng    | # 83     |
| 57) Fluorene                   | 11.28 | 166  | 219067   | 50.91 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.01 | 232  | 45766    | 50.91 | ng    | # 97     |
| 59) Diethylphthalate           | 11.17 | 149  | 215024   | 49.98 | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 11.29 | 204  | 96080    | 48.54 | ng    | # 79     |
| 61) 4-Nitroaniline             | 11.32 | 138  | 55855    | 52.93 | ng    | 95       |
| 62) Azobenzene                 | 11.48 | 77   | 203382   | 51.79 | ng    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 11.37 | 198  | 3843     | 13.83 | ng    | # 69     |
| 65) n-Nitrosodiphenylamine     | 11.44 | 169  | 181109   | 43.36 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 11.89 | 248  | 59510    | 46.53 | ng    | # 83     |
| 67) Hexachlorobenzene          | 11.94 | 284  | 61710    | 44.03 | ng    | # 86     |
| 68) Atrazine                   | 12.12 | 200  | 58200    | 48.11 | ng    | 97       |
| 69) Pentachlorophenol          | 12.20 | 266  | 57855    | 91.83 | ng    | 100      |
| 70) Phenanthrene               | 12.45 | 178  | 327744   | 46.92 | ng    | 99       |
| 71) Anthracene                 | 12.51 | 178  | 312050   | 45.34 | ng    | 99       |
| 72) Carbazole                  | 12.73 | 167  | 311281   | 48.26 | ng    | 99       |
| 73) Di-n-butylphthalate        | 13.20 | 149  | 391965   | 53.64 | ng    | 99       |
| 74) Fluoranthene               | 13.92 | 202  | 363060   | 49.28 | ng    | 94       |
| 76) Benzidine                  | 14.11 | 184  | 106859   | 21.33 | ng    | 97       |
| 77) Pyrene                     | 14.19 | 202  | 378882   | 46.40 | ng    | 99       |
| 79) Butylbenzylphthalate       | 15.04 | 149  | 165524   | 53.18 | ng    | 96       |
| 80) Benzo(a)anthracene         | 15.68 | 228  | 368712   | 47.64 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 15.67 | 252  | 117806   | 45.45 | ng    | # 98     |
| 82) Chrysene                   | 15.71 | 228  | 333663   | 45.89 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 15.77 | 149  | 261938   | 53.66 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 16.55 | 149  | 453408   | 56.57 | ng    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 18.63 | 276  | 377120   | 45.70 | ng    | # 87     |
| 87) Benzo(b)fluoranthene       | 16.95 | 252  | 430303   | 54.03 | ng    | # 96     |
| 88) Benzo(k)fluoranthene       | 16.95 | 252  | 430303   | 60.79 | ng    | 98       |
| 89) Benzo(a)pyrene             | 17.32 | 252  | 351128   | 50.51 | ng    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

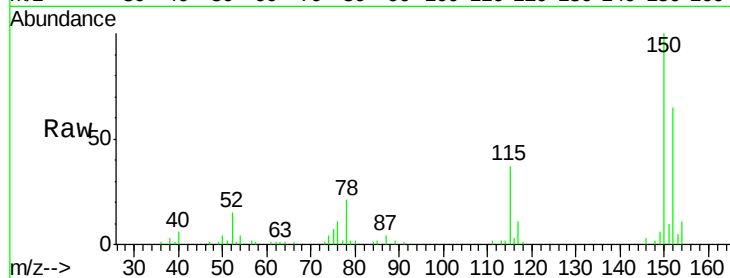
Tgt Ion:152 Resp: 27525

Ion Ratio Lower Upper

152 100

150 153.2 125.9 188.9

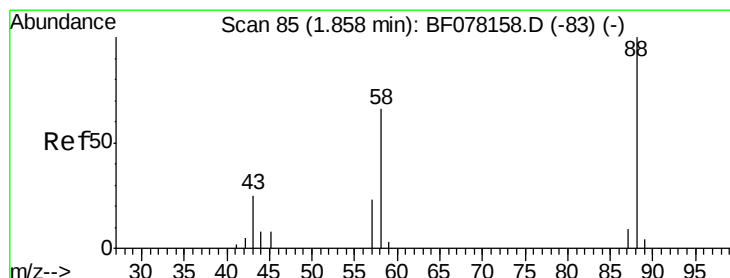
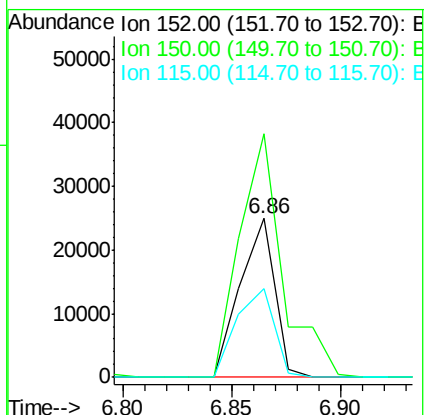
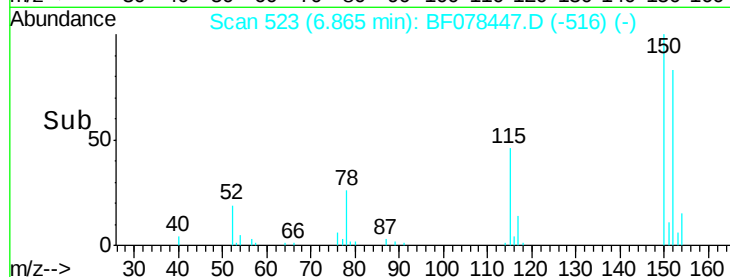
115 55.9 52.7 79.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 35.55 ng

RT: 1.69 min Scan# 70

Delta R.T. -0.05 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

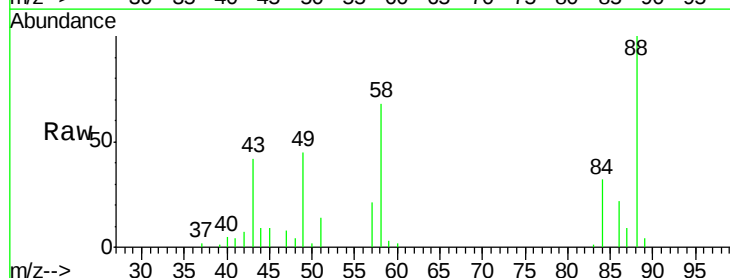
Tgt Ion: 88 Resp: 26837

Ion Ratio Lower Upper

88 100

58 66.3 56.9 85.3

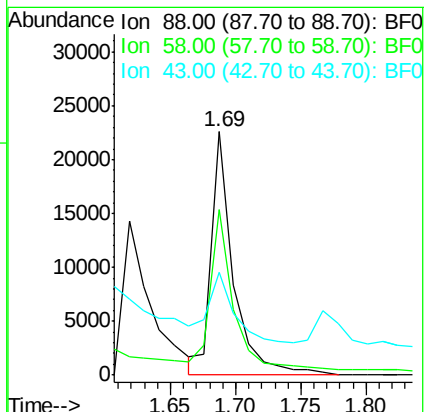
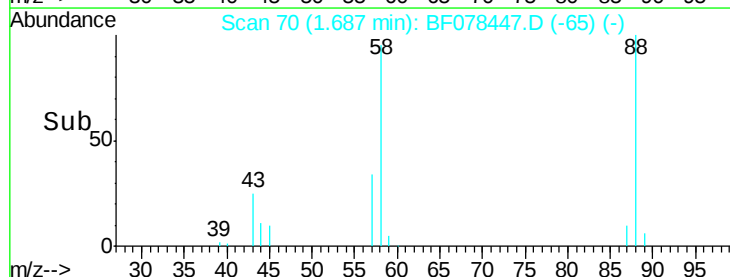
43 32.9 21.4 32.2#

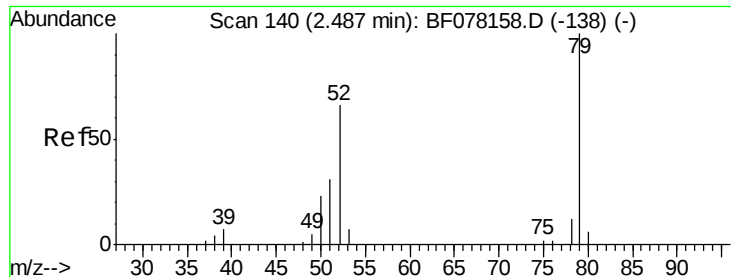


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 26.61 ng

RT: 2.28 min Scan# 122

Delta R.T. -0.08 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

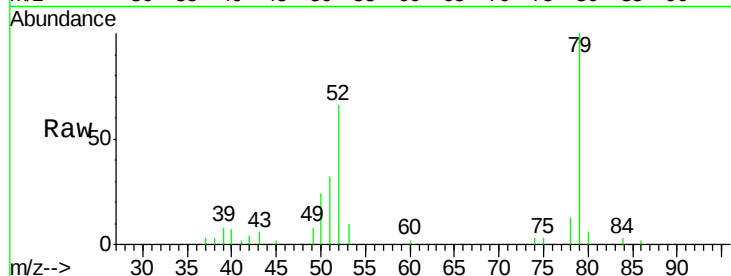
Tgt Ion: 79 Resp: 52614

Ion Ratio Lower Upper

79 100

52 65.5 52.4 78.6

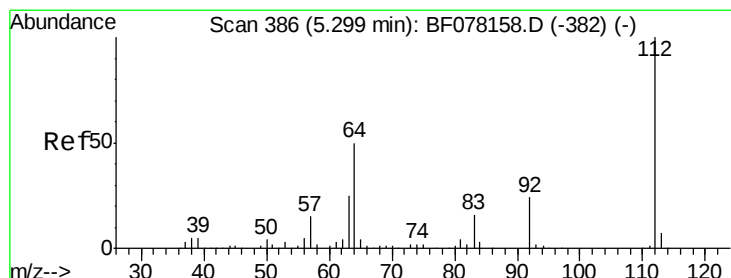
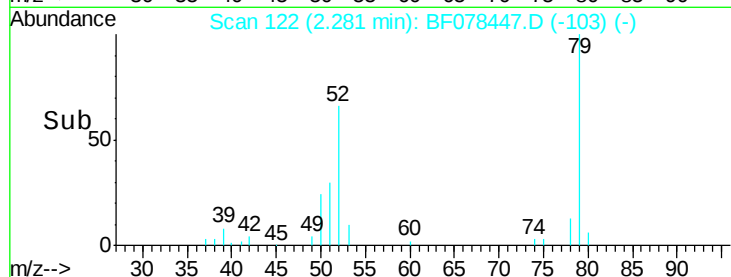
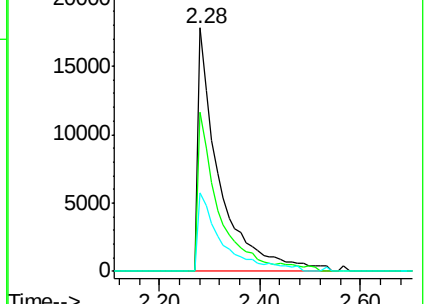
51 32.4 24.9 37.3



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



#5

2-Fluorophenol

Concen: 135.60 ng

RT: 5.13 min Scan# 371

Delta R.T. -0.05 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

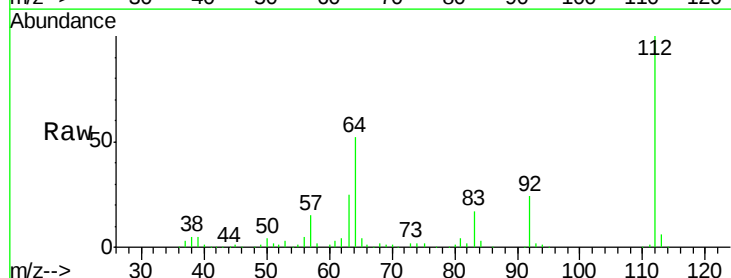
Tgt Ion: 112 Resp: 226368

Ion Ratio Lower Upper

112 100

64 51.7 39.9 59.9

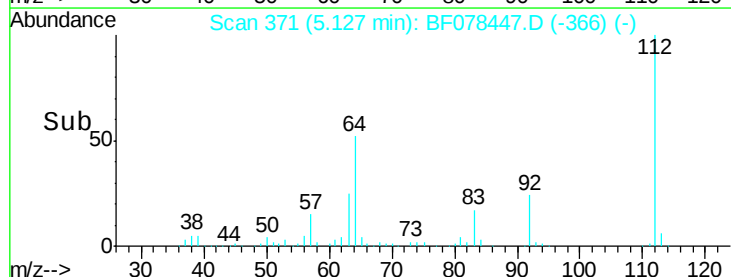
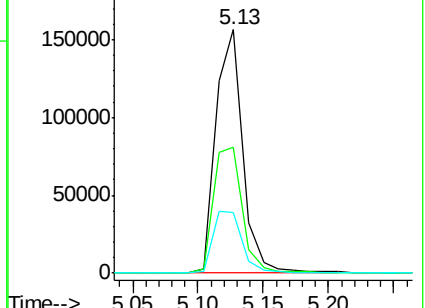
63 25.1 20.2 30.4

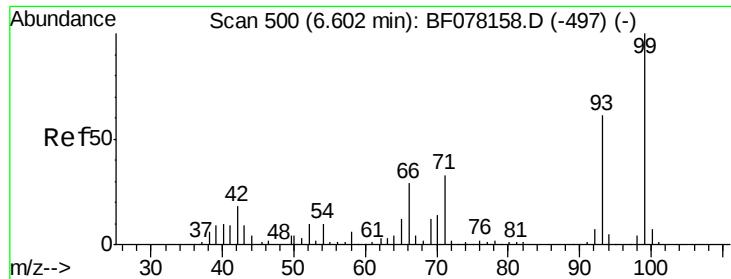


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 11.03 ng

RT: 6.45 min Scan# 487

Delta R.T. -0.02 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

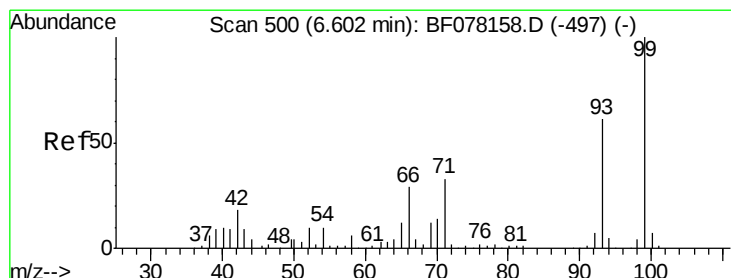
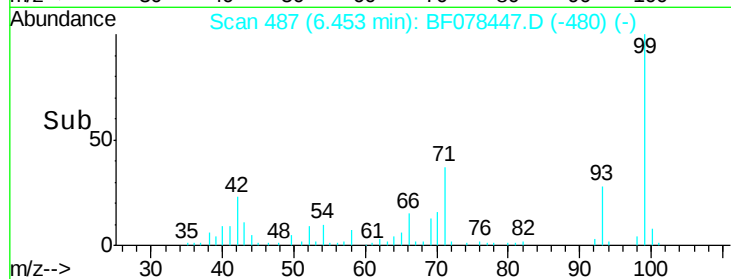
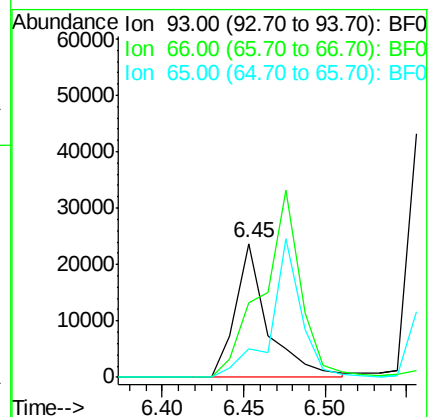
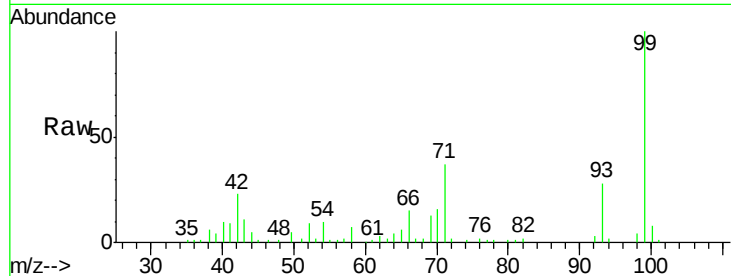
Tgt Ion: 93 Resp: 32727

Ion Ratio Lower Upper

93 100

66 55.6 38.0 57.0

65 21.6 16.3 24.5



#7

Phenol-d6

Concen: 127.97 ng

RT: 6.46 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

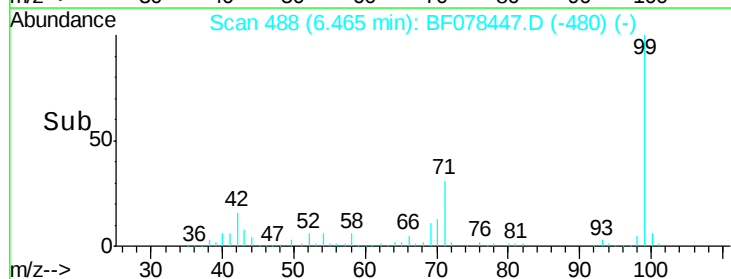
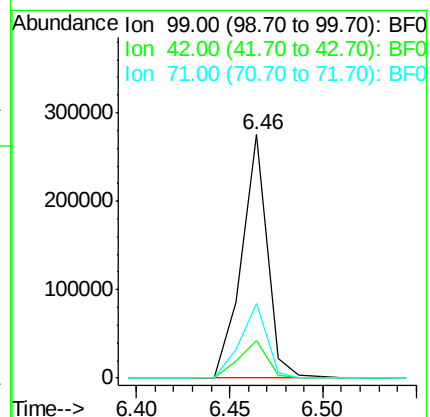
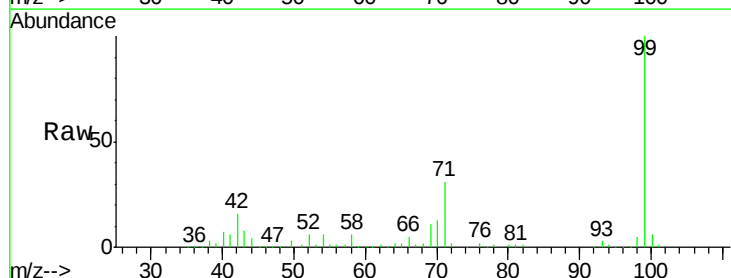
Tgt Ion: 99 Resp: 267734

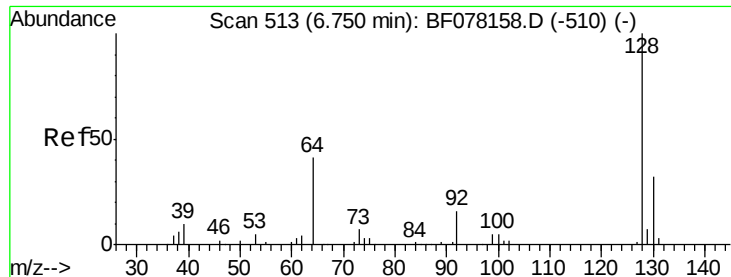
Ion Ratio Lower Upper

99 100

42 15.6 14.8 22.2

71 30.7 26.6 39.8

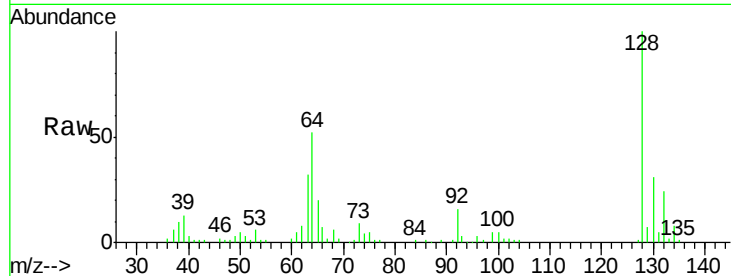




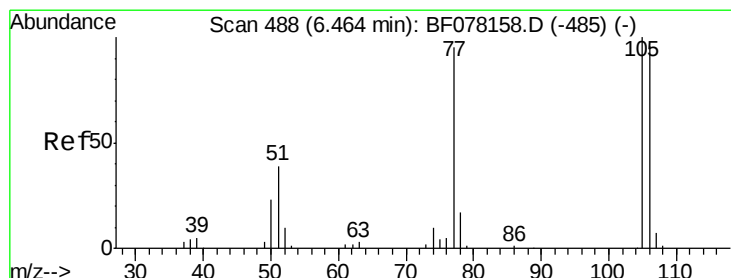
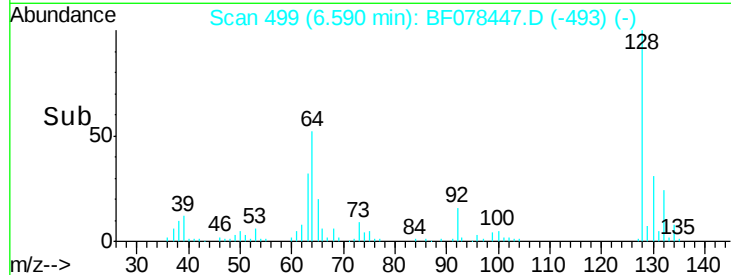
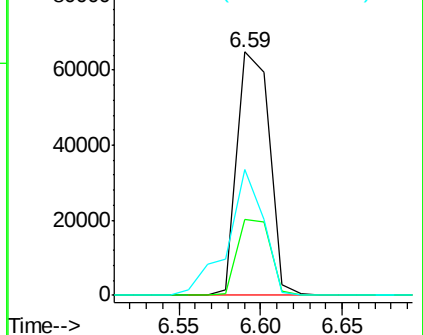
#8  
 2-Chlorophenol  
 Concen: 44.89 ng  
 RT: 6.59 min Scan# 499  
 Delta R.T. -0.03 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

Tgt Ion: 128 Resp: 88608  
 Ion Ratio Lower Upper  
 128 100  
 130 31.3 12.3 52.3  
 64 51.9 23.8 63.8

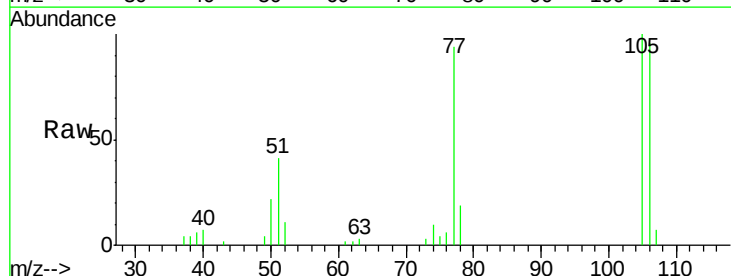


Abundance Ion 128.00 (127.70 to 128.70): B  
 Ion 130.00 (129.70 to 130.70): B  
 Ion 64.00 (63.70 to 64.70): B

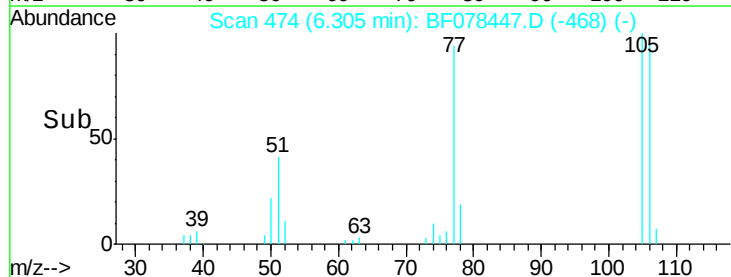
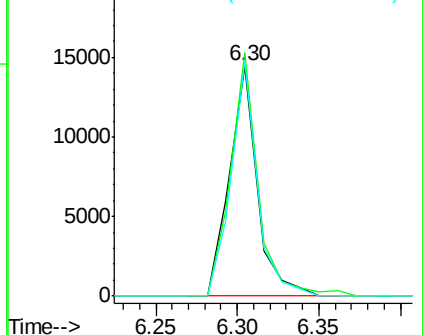


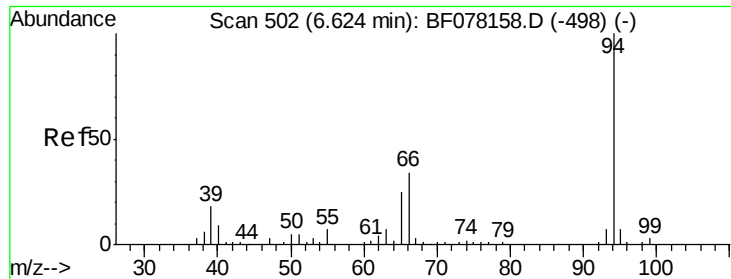
#9  
 Benzaldehyde  
 Concen: 12.24 ng  
 RT: 6.30 min Scan# 474  
 Delta R.T. -0.03 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion: 77 Resp: 16971  
 Ion Ratio Lower Upper  
 77 100  
 105 105.9 85.4 125.4  
 106 102.0 80.8 120.8



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





#10

Phenol

Concen: 36.16 ng

RT: 6.48 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

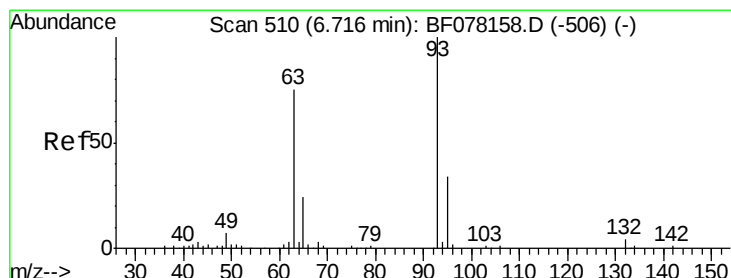
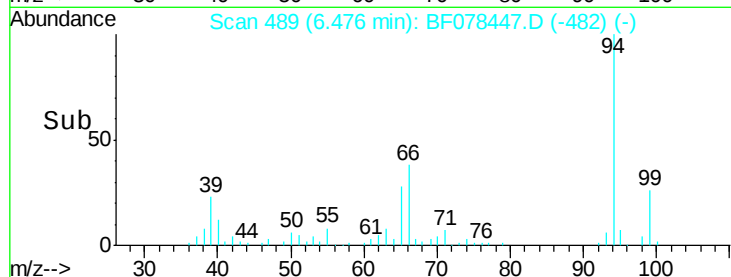
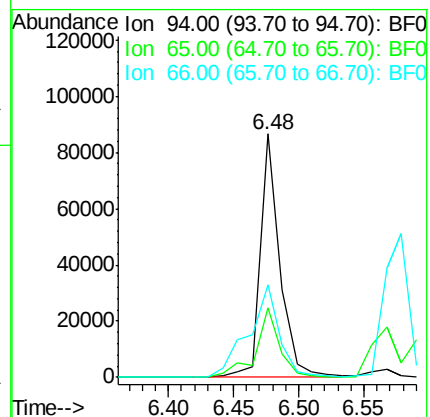
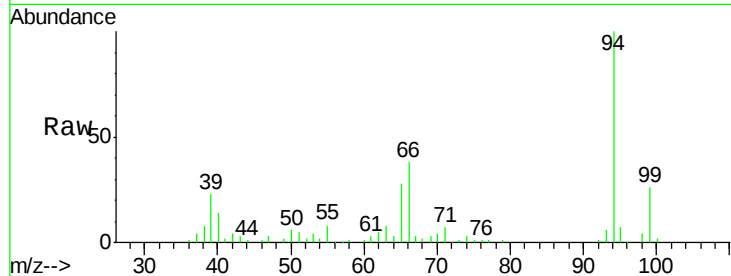
Tgt Ion: 94 Resp: 90649

Ion Ratio Lower Upper

94 100

65 28.4 4.9 44.9

66 38.3 13.8 53.8



#11

bis(2-Chloroethyl)ether

Concen: 46.12 ng

RT: 6.57 min Scan# 497

Delta R.T. -0.02 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

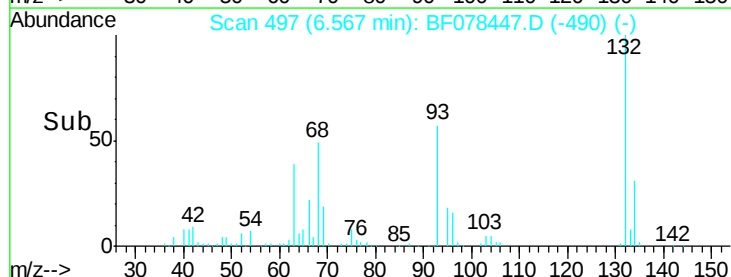
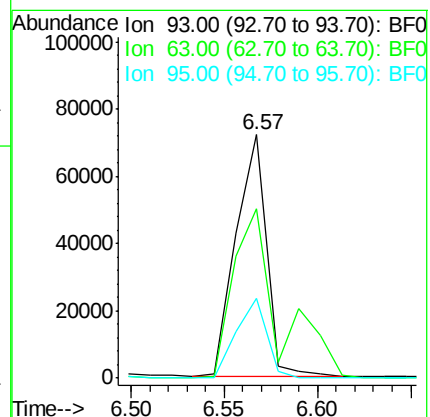
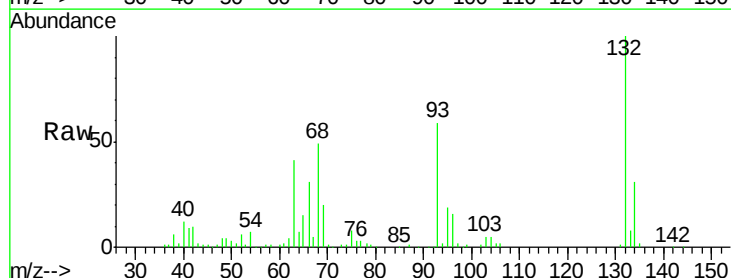
Tgt Ion: 93 Resp: 83148

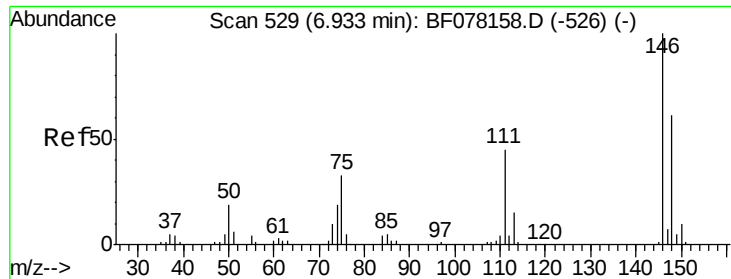
Ion Ratio Lower Upper

93 100

63 69.8 54.6 94.6

95 32.7 13.6 53.6

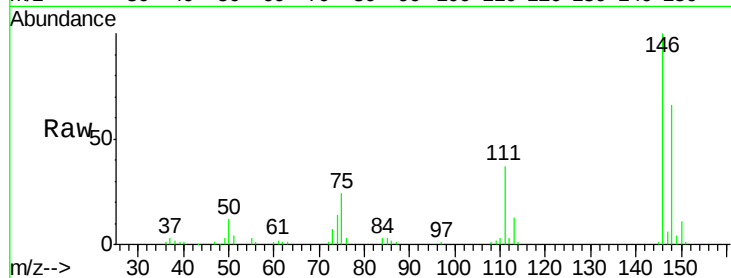




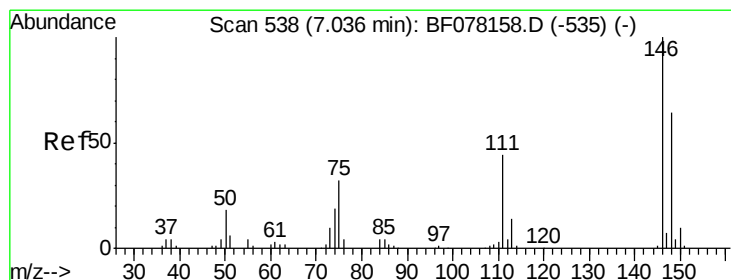
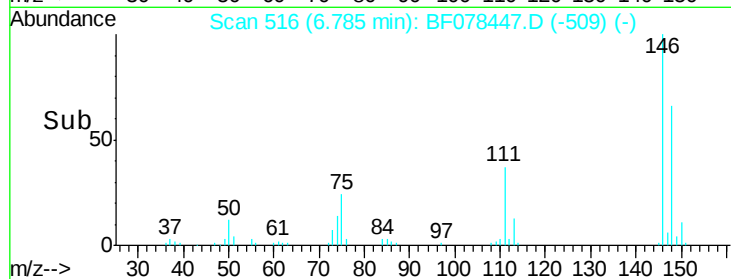
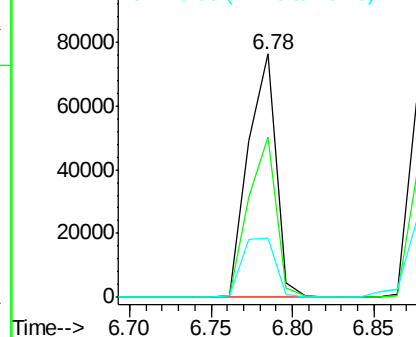
#12  
 1,3-Dichlorobenzene  
 Concen: 41.46 ng  
 RT: 6.78 min Scan# 516  
 Delta R.T. -0.02 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.9  | 49.1  | 73.7  |
| 75      | 24.2  | 26.6  | 40.0  |

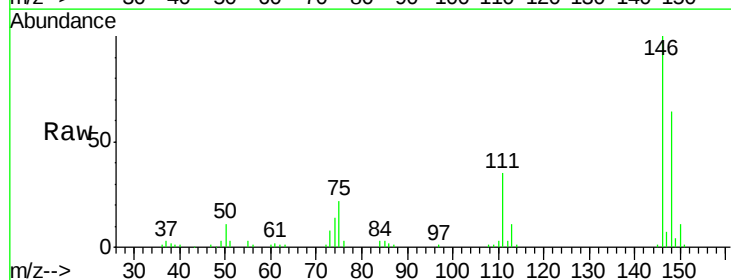


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 75.00 (74.70 to 75.70): BF0

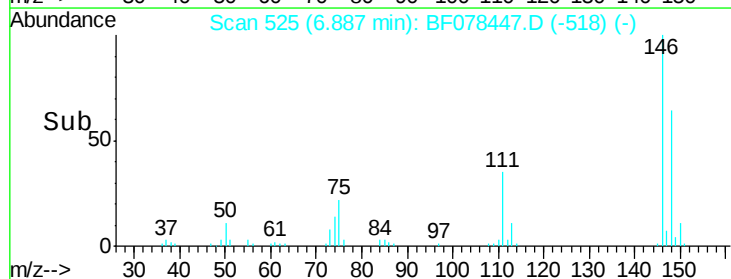
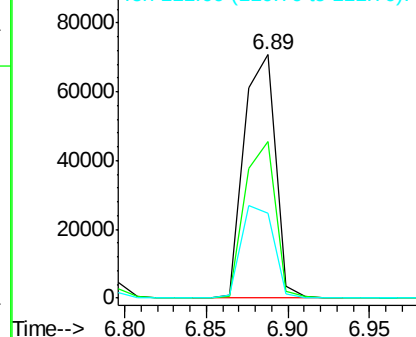


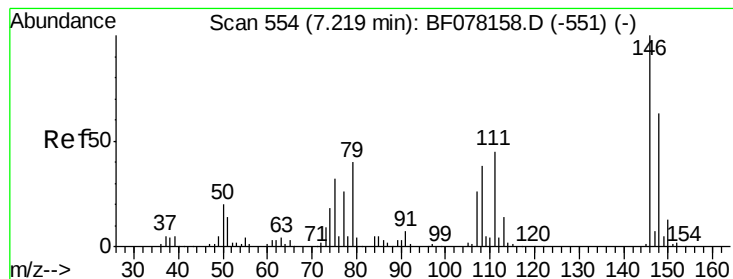
#13  
 1,4-Dichlorobenzene  
 Concen: 43.10 ng  
 RT: 6.89 min Scan# 525  
 Delta R.T. -0.02 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.1  | 51.4  | 77.0  |
| 111     | 34.9  | 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

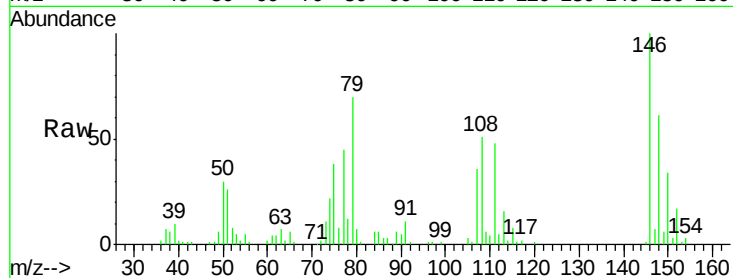




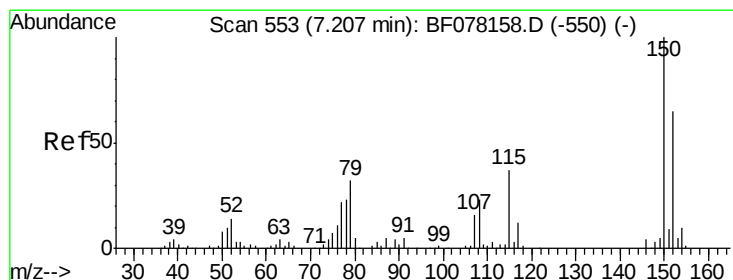
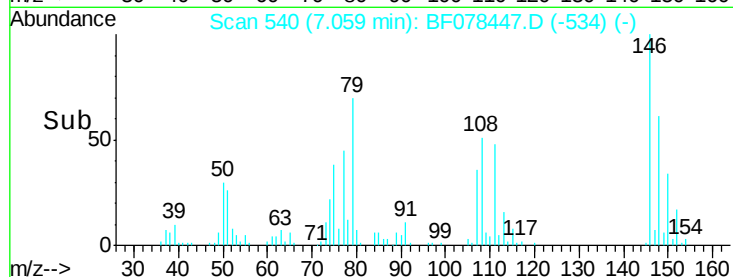
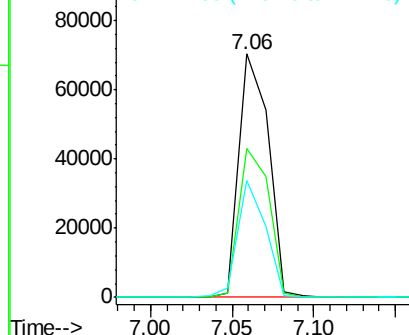
#14  
1,2-Dichlorobenzene  
Concen: 42.94 ng  
RT: 7.06 min Scan# 540  
Delta R.T. -0.03 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01AMS

Tgt Ion:146 Resp: 87872  
Ion Ratio Lower Upper  
146 100  
148 61.3 50.2 75.4  
111 47.8 36.1 54.1

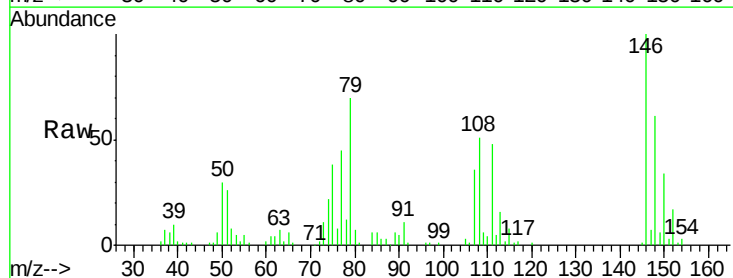


Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E

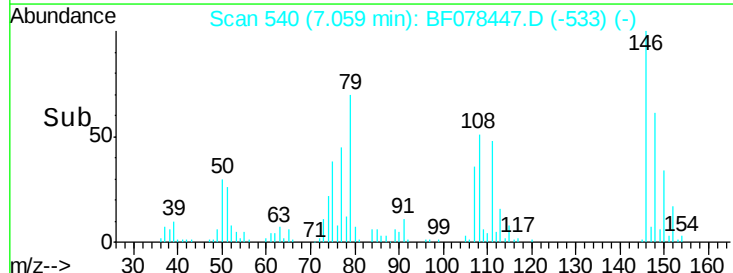
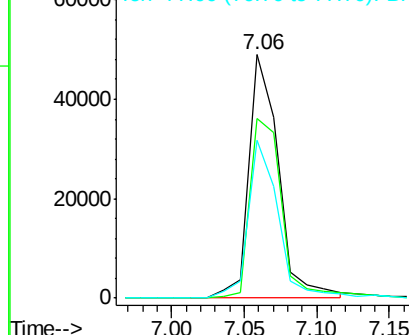


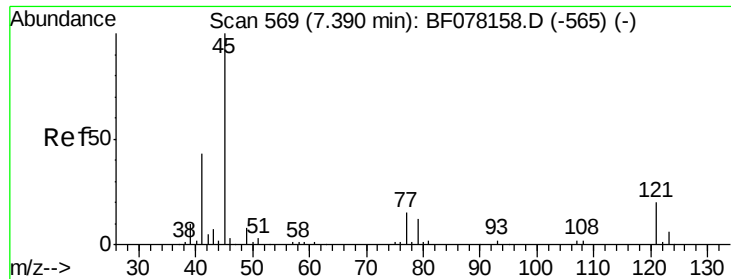
#15  
Benzyl Alcohol  
Concen: 47.41 ng  
RT: 7.06 min Scan# 540  
Delta R.T. -0.02 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Tgt Ion: 79 Resp: 69709  
Ion Ratio Lower Upper  
79 100  
108 73.6 57.6 86.4  
77 64.9 53.5 80.3



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

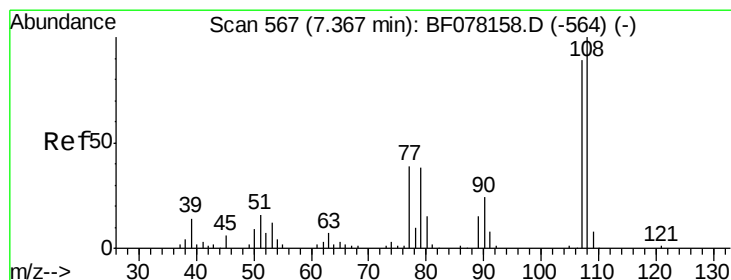
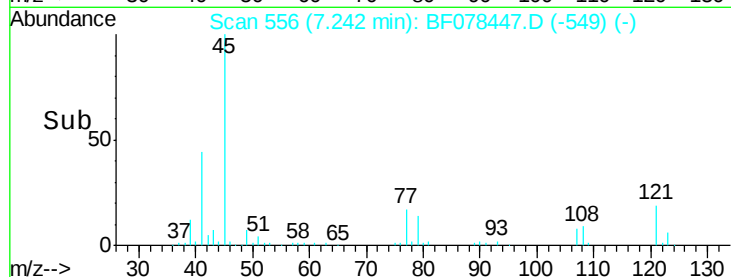
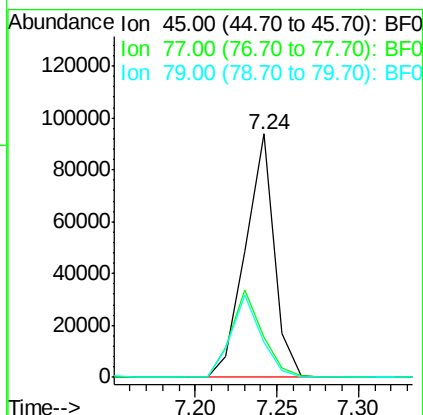
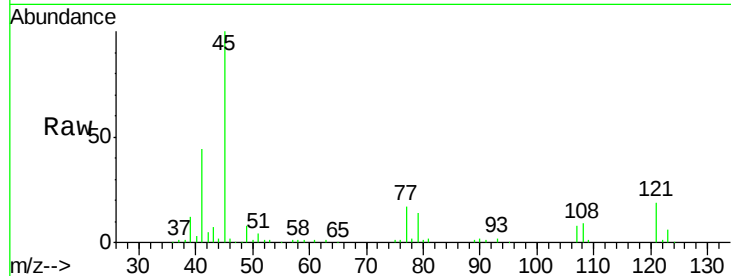




#16  
 2,2'-oxybis(1-Chloropropane)  
 Concen: 47.82 ng  
 RT: 7.24 min Scan# 556  
 Delta R.T. -0.02 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

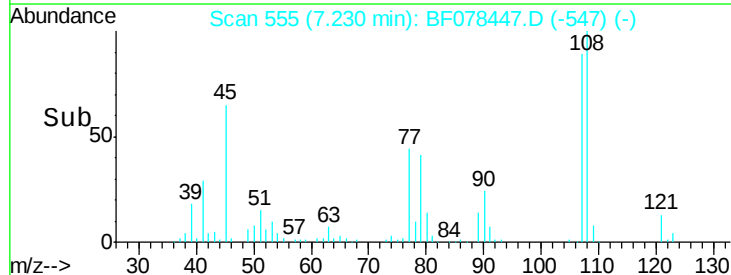
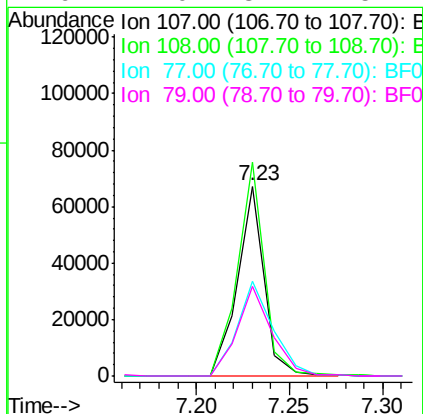
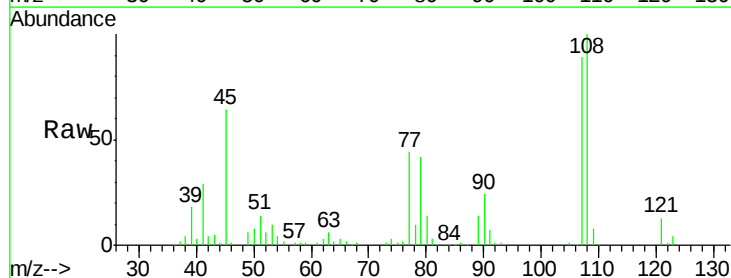
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

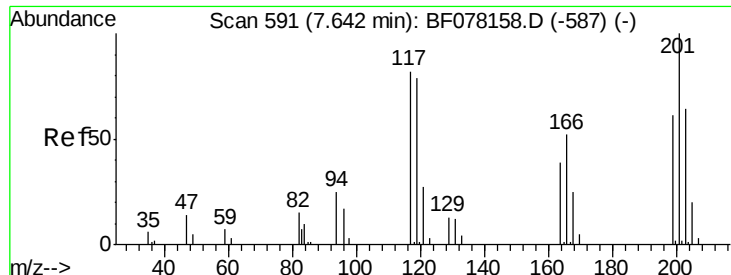
Tgt Ion: 45 Resp: 114985  
 Ion Ratio Lower Upper  
 45 100  
 77 16.7 0.0 34.5  
 79 14.4 0.0 31.9



#17  
 2-Methylphenol  
 Concen: 43.96 ng  
 RT: 7.23 min Scan# 555  
 Delta R.T. -0.01 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion: 107 Resp: 67373  
 Ion Ratio Lower Upper  
 107 100  
 108 112.7 90.3 135.5  
 77 49.9 35.5 53.3  
 79 47.0 34.2 51.4

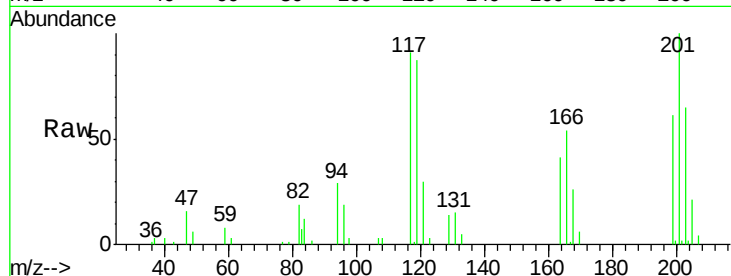




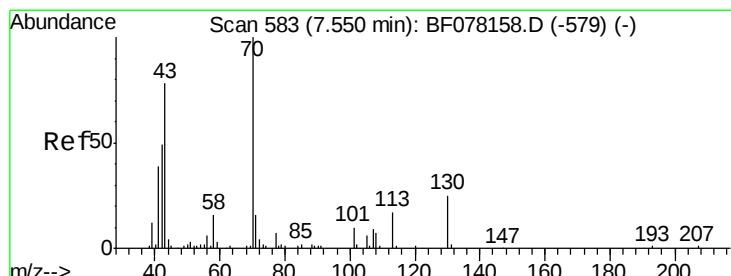
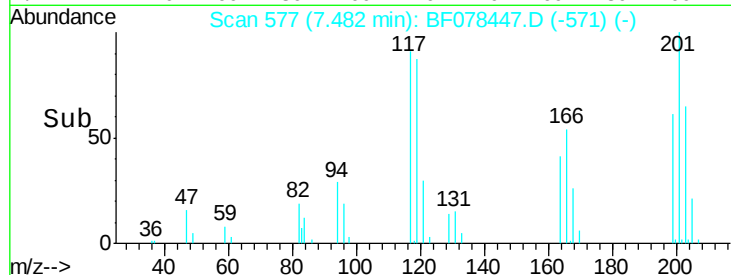
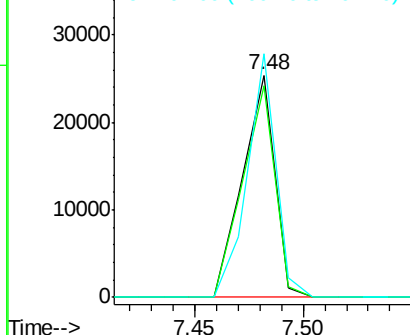
#18  
Hexachloroethane  
Concen: 35.52 ng  
RT: 7.48 min Scan# 577  
Delta R.T. -0.03 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01AMS

Tgt Ion: 117 Resp: 26142  
Ion Ratio Lower Upper  
117 100  
119 95.3 77.0 115.6  
201 109.5 98.1 147.1

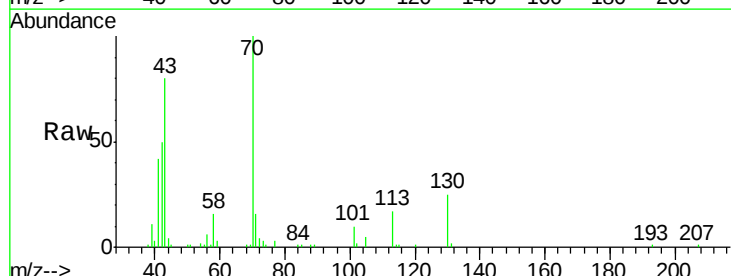


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

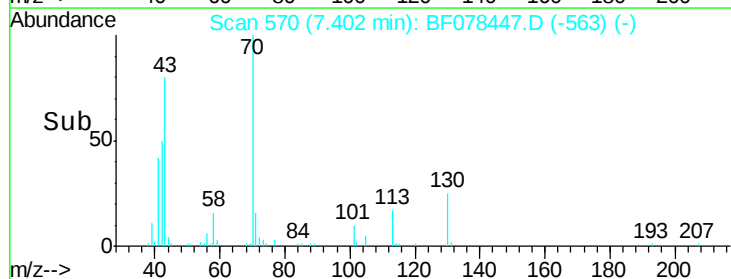
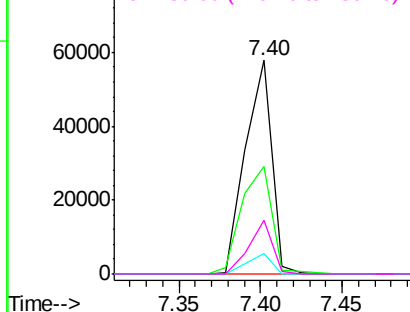


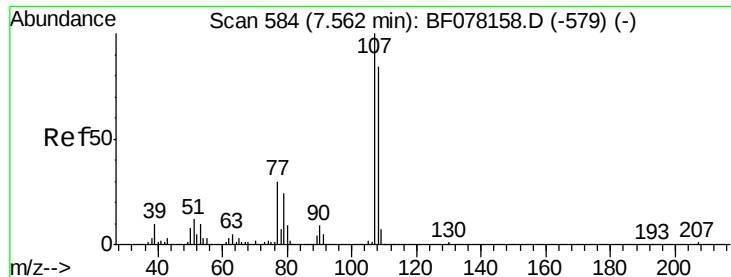
#19  
n-Nitroso-di-n-propylamine  
Concen: 46.95 ng  
RT: 7.40 min Scan# 570  
Delta R.T. -0.02 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Tgt Ion: 70 Resp: 64816  
Ion Ratio Lower Upper  
70 100  
42 50.4 38.9 58.3  
101 9.6 8.3 12.5  
130 25.3 19.8 29.8



Abundance Ion 70.00 (69.70 to 70.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

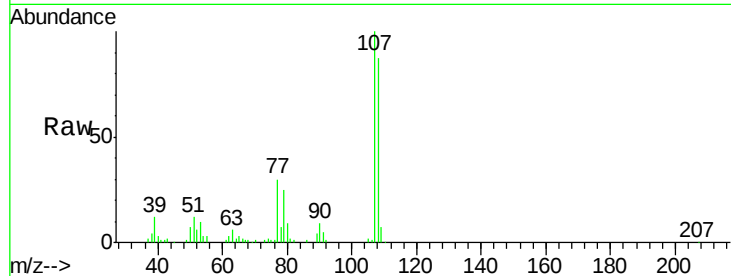




#20  
 3+4-Methylphenols  
 Concen: 42.73 ng  
 RT: 7.42 min Scan# 572  
 Delta R.T. -0.01 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 87359 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 87.1  | 64.4  | 104.4 |
| 77       | 30.3  | 9.7   | 49.7  |
| 79       | 25.3  | 4.0   | 44.0  |



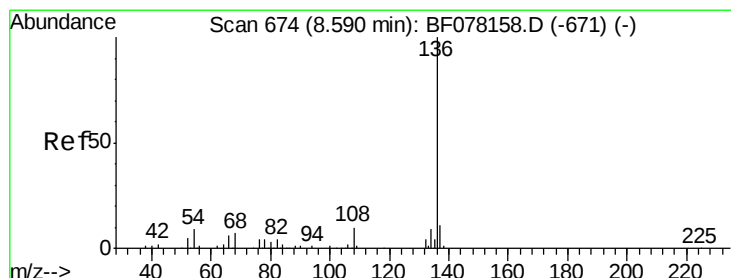
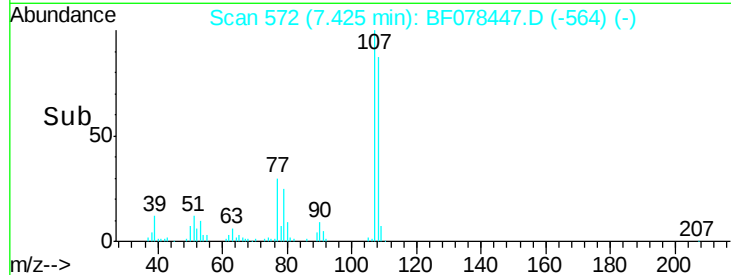
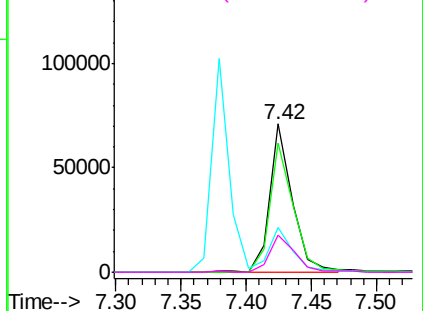
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

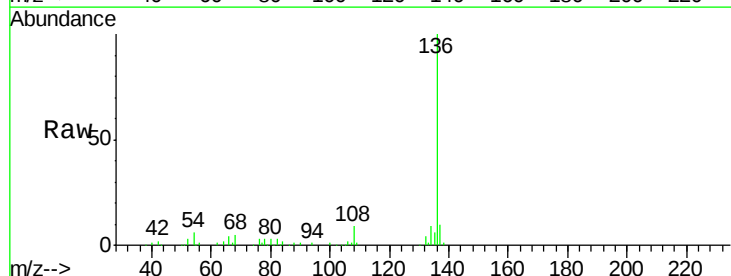
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 8.44 min Scan# 661  
 Delta R.T. -0.02 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 117987 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.2  | 9.0   | 13.4   |
| 54       | 6.0   | 7.0   | 10.6#  |
| 68       | 4.7   | 5.4   | 8.2#   |



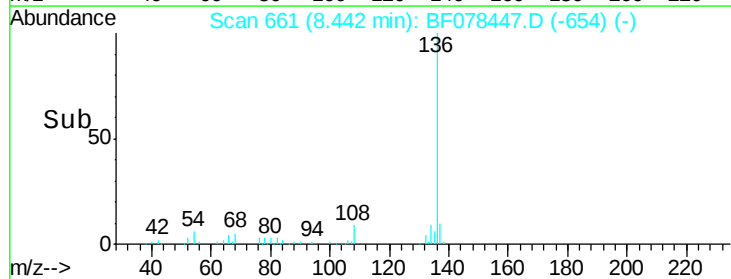
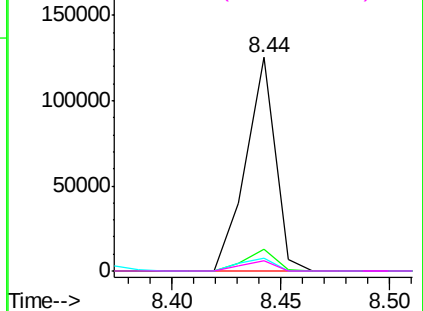
Abundance

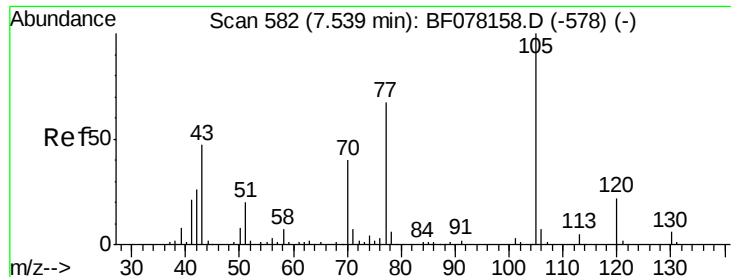
Ion 136.00 (135.70 to 136.70): E

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: 46.68 ng

RT: 7.38 min Scan# 568

Delta R.T. -0.03 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

Tgt Ion: 105 Resp: 128328

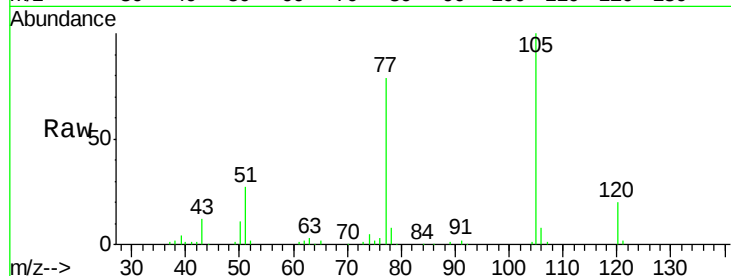
Ion Ratio Lower Upper

105 100

71 0.0 5.5 8.3#

51 26.7 16.0 24.0#

120 20.3 17.8 26.6

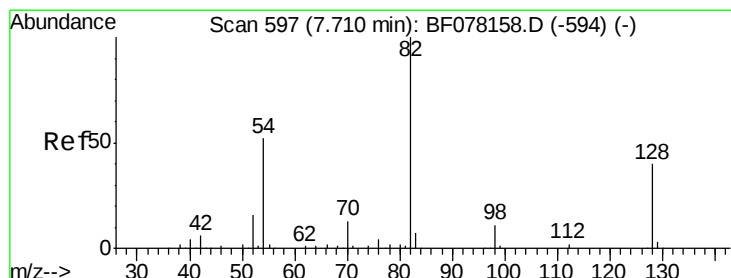
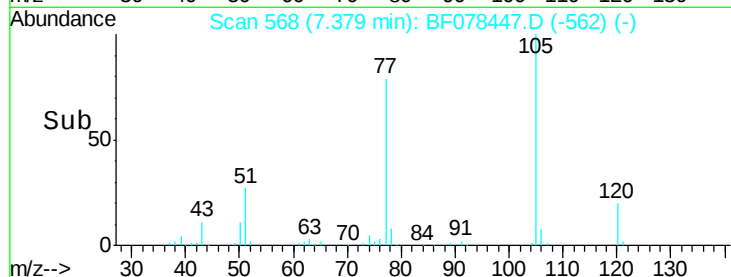
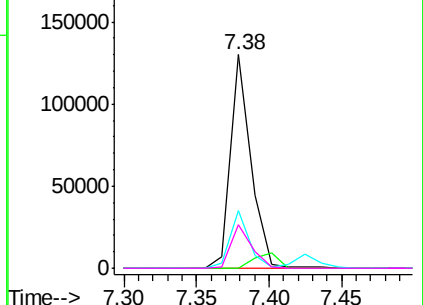


Abundance Ion 105.00 (104.70 to 105.70): E

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: 94.01 ng

RT: 7.56 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

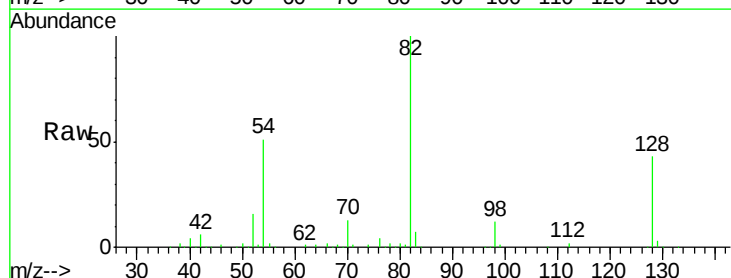
Tgt Ion: 82 Resp: 182989

Ion Ratio Lower Upper

82 100

128 43.4 31.8 47.8

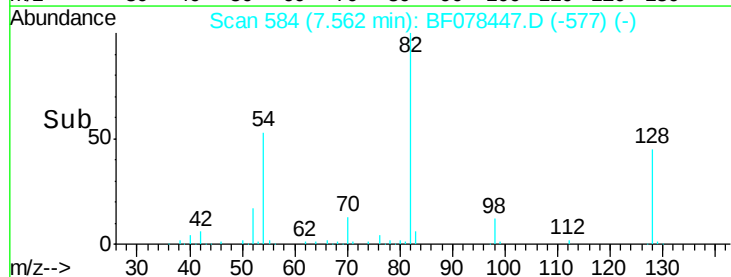
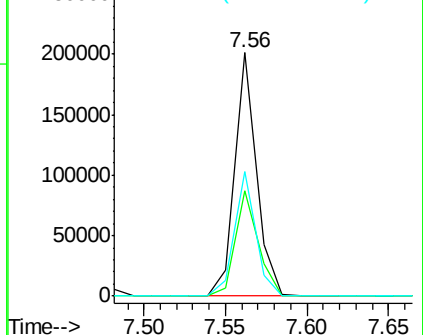
54 51.4 41.5 62.3

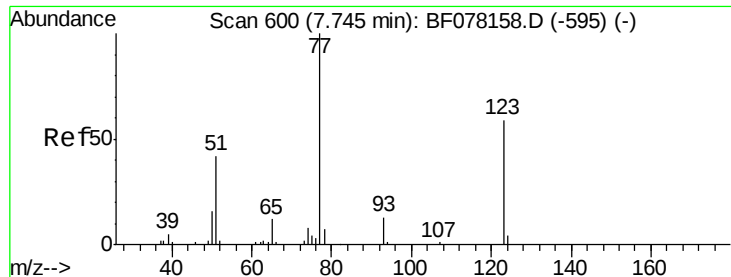


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 45.56 ng

RT: 7.58 min Scan# 586

Delta R.T. -0.03 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampled :

LS-SD01AMS

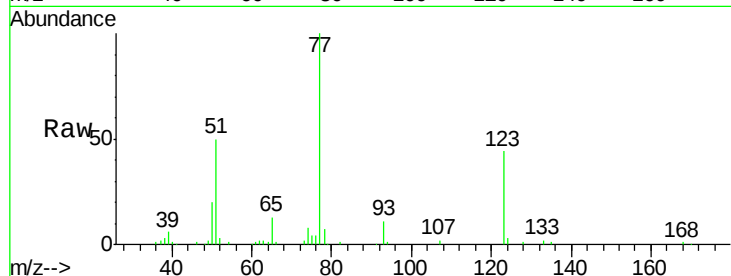
Tgt Ion: 77 Resp: 92717

Ion Ratio Lower Upper

77 100

123 44.0 46.9 70.3#

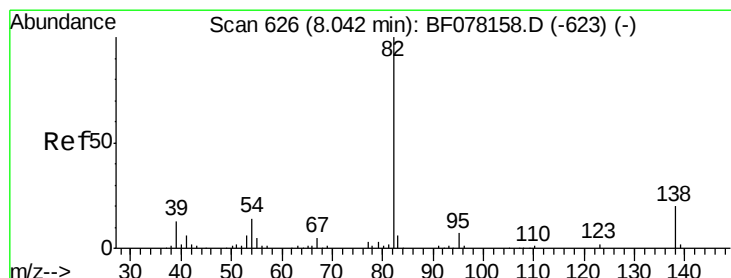
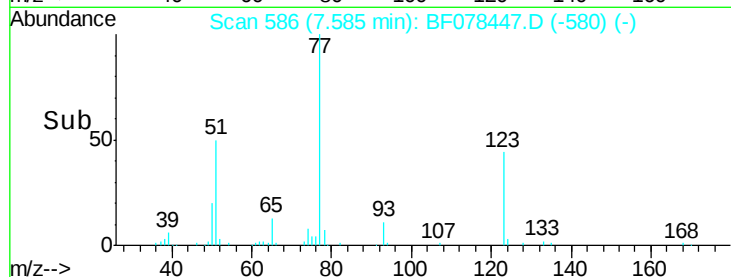
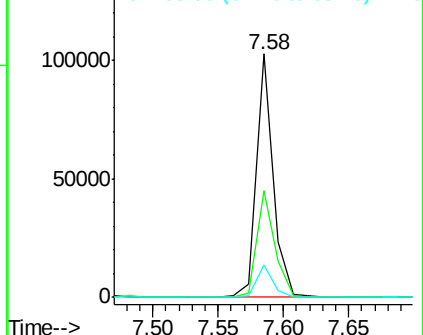
65 13.1 9.5 14.3



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: 45.15 ng

RT: 7.89 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

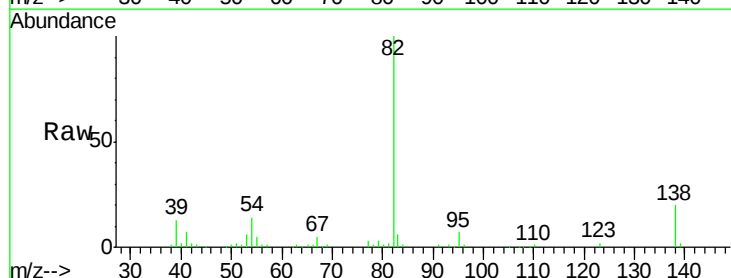
Tgt Ion: 82 Resp: 166809

Ion Ratio Lower Upper

82 100

95 6.8 5.7 8.5

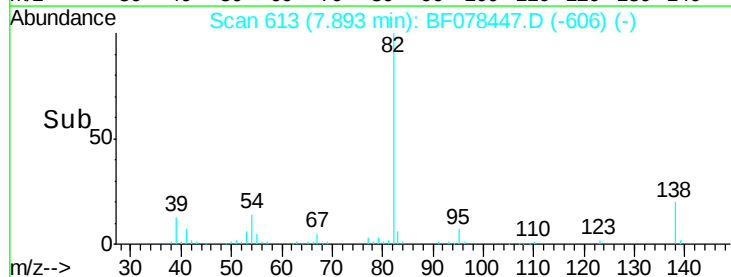
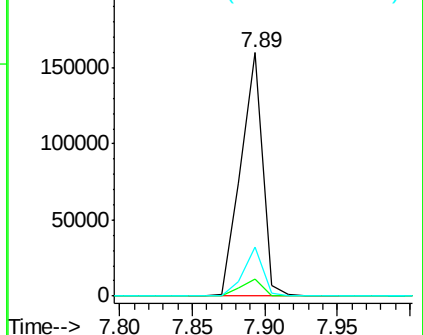
138 19.9 15.8 23.8

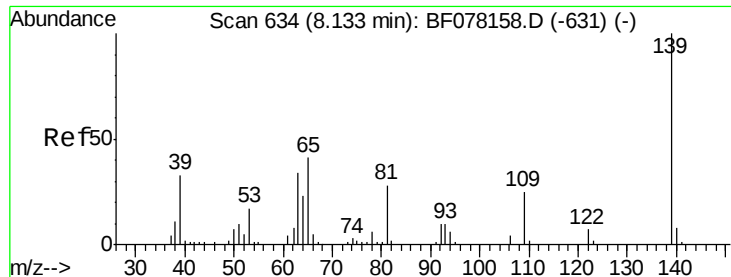


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

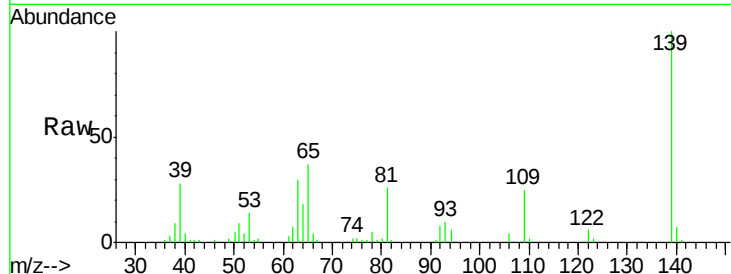




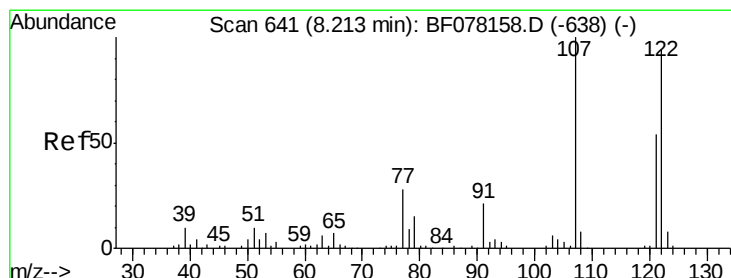
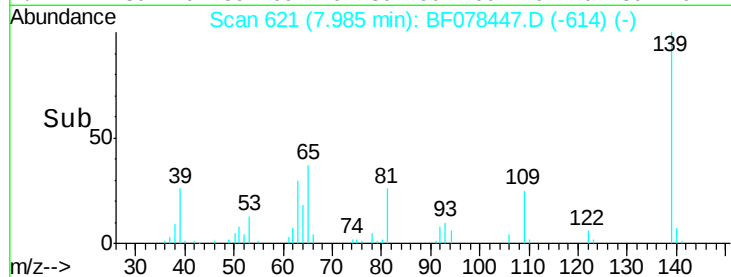
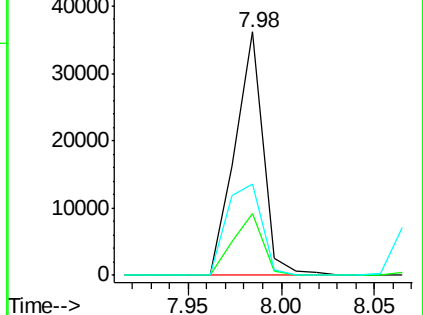
#26  
 2-Nitrophenol  
 Concen: 39.70 ng  
 RT: 7.98 min Scan# 621  
 Delta R.T. -0.02 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 25.2  | 19.8  | 29.8  |
| 65      | 37.4  | 32.7  | 49.1  |

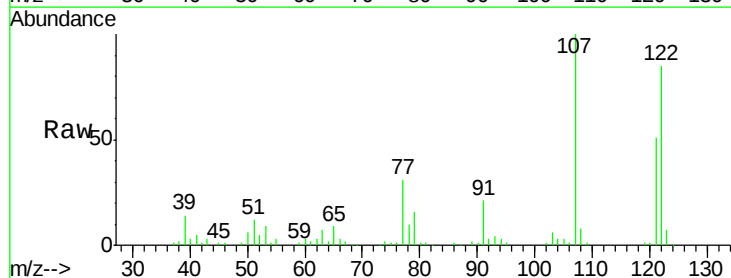


Abundance Ion 139.00 (138.70 to 139.70): E  
 Ion 109.00 (108.70 to 109.70): E  
 Ion 65.00 (64.70 to 65.70): E

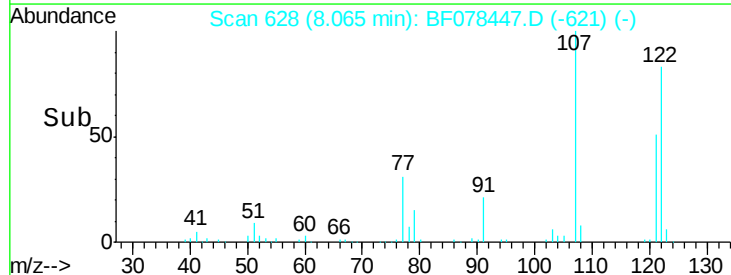
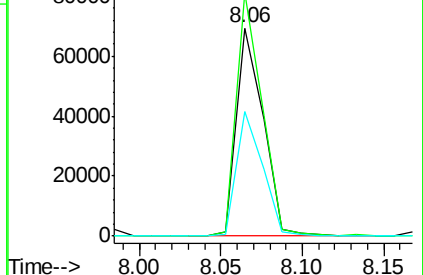


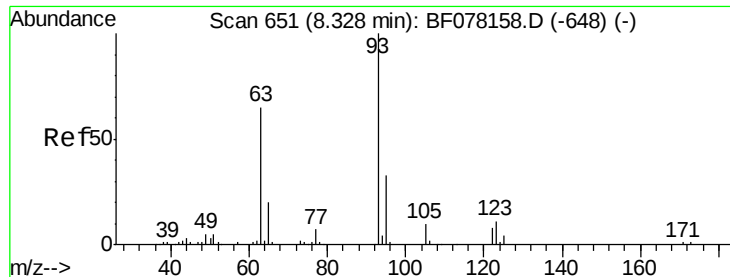
#27  
 2,4-Dimethylphenol  
 Concen: 43.07 ng  
 RT: 8.06 min Scan# 628  
 Delta R.T. -0.02 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 117.0 | 84.6  | 127.0 |
| 121     | 59.7  | 46.0  | 69.0  |



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

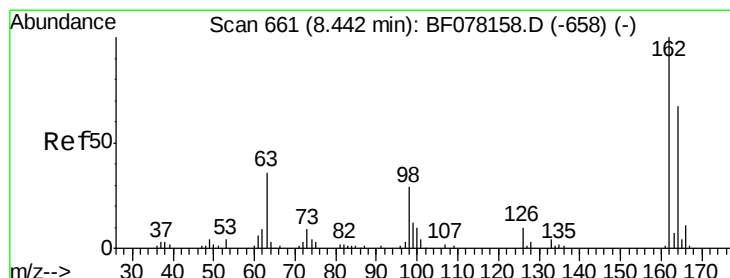
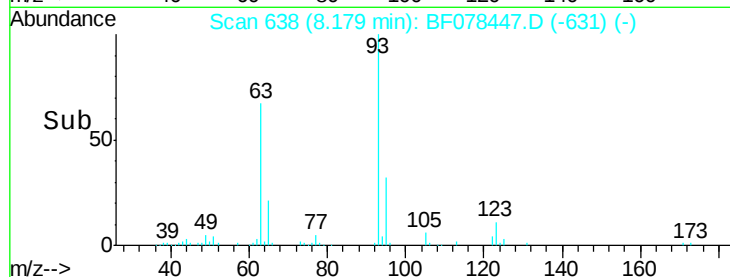
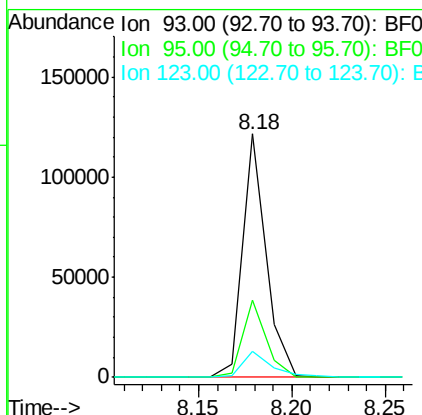
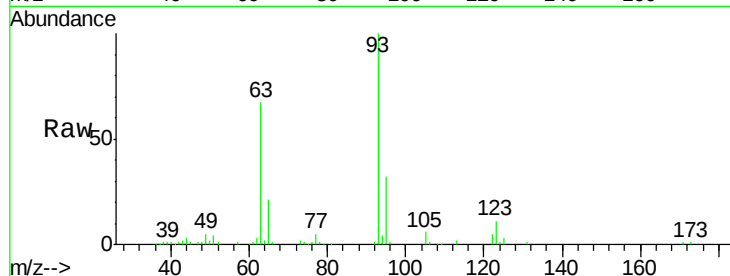




#28  
 bis(2-Chloroethoxy)methane  
 Concen: 45.11 ng  
 RT: 8.18 min Scan# 638  
 Delta R.T. -0.02 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

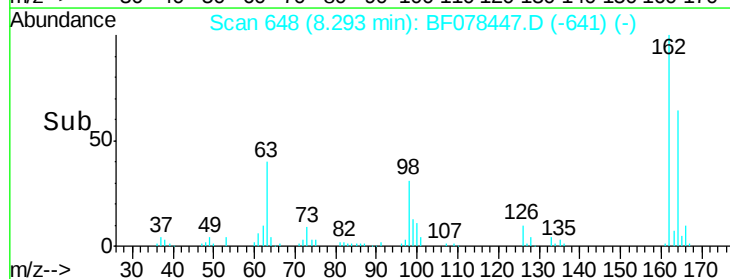
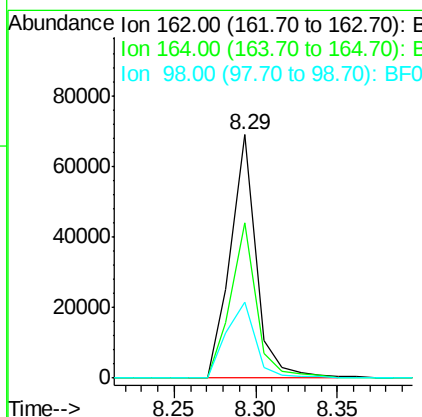
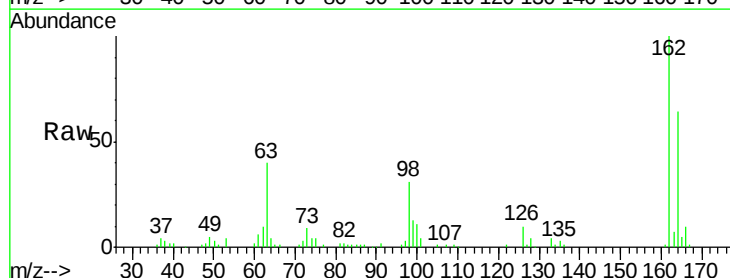
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

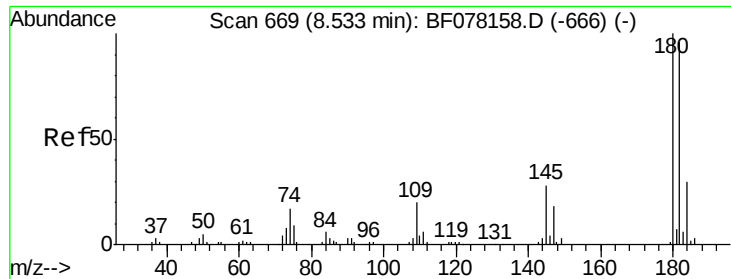
Tgt Ion: 93 Resp: 106858  
 Ion Ratio Lower Upper  
 93 100  
 95 32.0 26.3 39.5  
 123 10.7 9.1 13.7



#29  
 2,4-Dichlorophenol  
 Concen: 46.32 ng  
 RT: 8.29 min Scan# 648  
 Delta R.T. -0.02 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion: 162 Resp: 75989  
 Ion Ratio Lower Upper  
 162 100  
 164 63.9 47.0 87.0  
 98 31.4 9.2 49.2

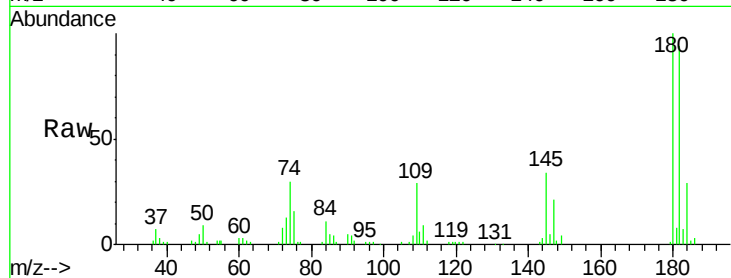




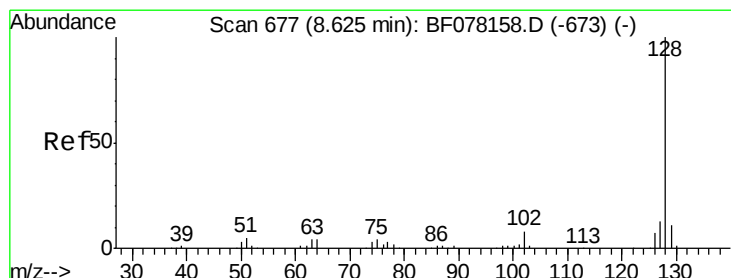
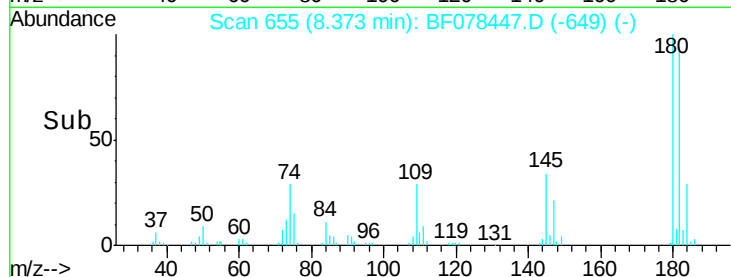
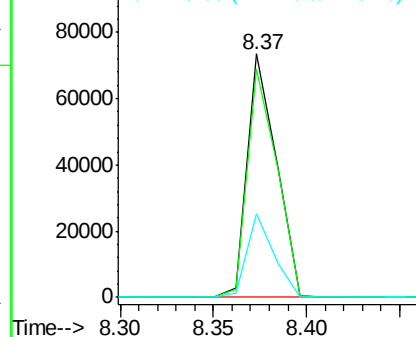
#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.19 ng  
 RT: 8.37 min Scan# 655  
 Delta R.T. -0.03 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

Tgt Ion:180 Resp: 79354  
 Ion Ratio Lower Upper  
 180 100  
 182 93.6 76.9 115.3  
 145 34.2 22.5 33.7#

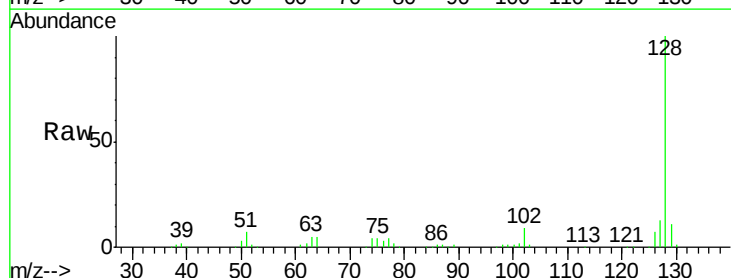


Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

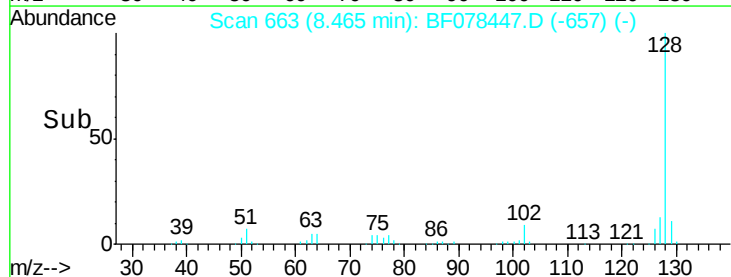
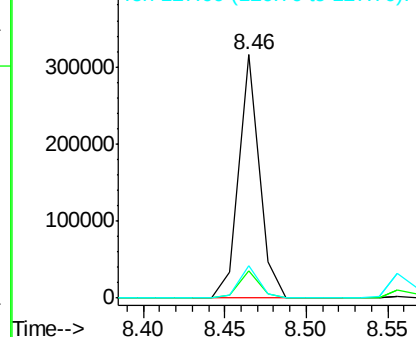


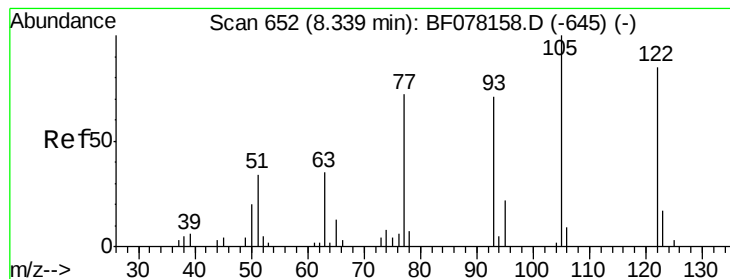
#31  
 Naphthalene  
 Concen: 44.50 ng  
 RT: 8.46 min Scan# 663  
 Delta R.T. -0.03 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion:128 Resp: 273275  
 Ion Ratio Lower Upper  
 128 100  
 129 11.0 8.6 12.8  
 127 13.3 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: 46.01 ng

RT: 8.20 min Scan# 640

Delta R.T. -0.01 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

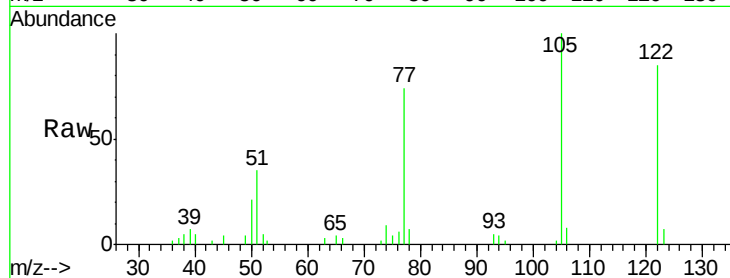
Tgt Ion:122 Resp: 38782

Ion Ratio Lower Upper

122 100

105 118.3 96.1 136.1

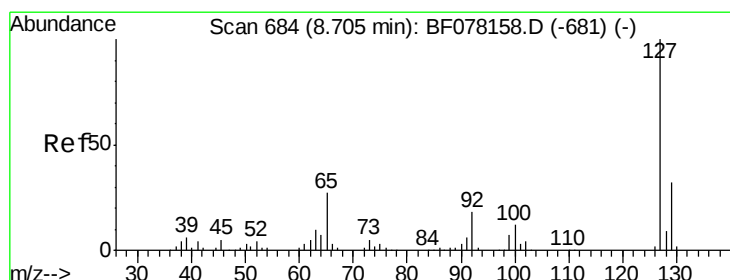
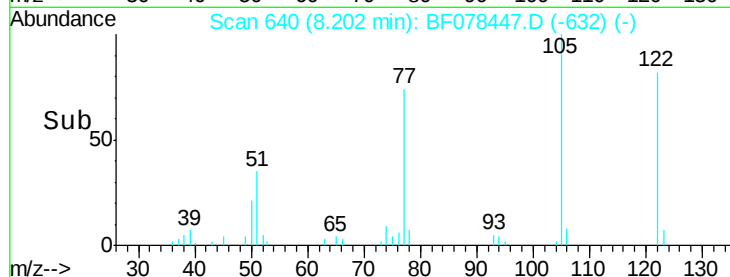
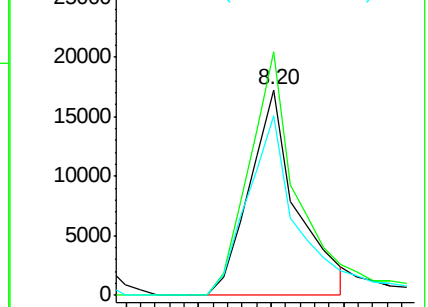
77 87.2 64.1 104.1



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: 15.92 ng

RT: 8.56 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Tgt Ion:127 Resp: 40577

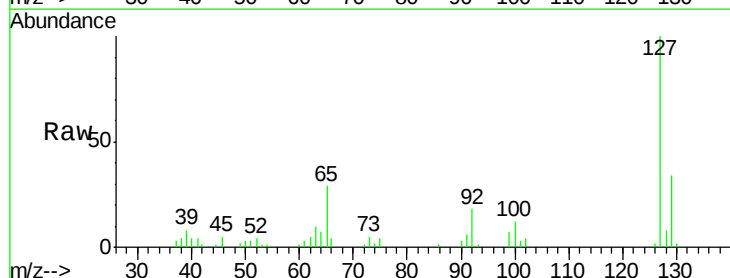
Ion Ratio Lower Upper

127 100

129 33.8 25.5 38.3

65 28.9 21.7 32.5

92 17.7 14.6 21.8

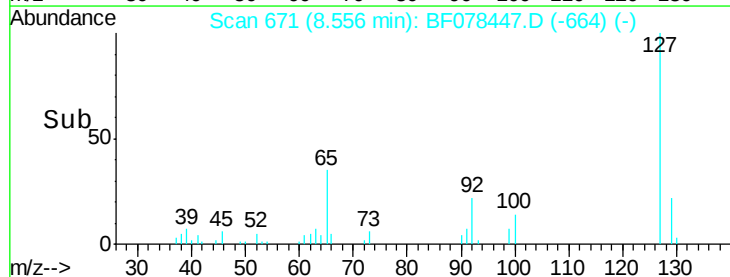
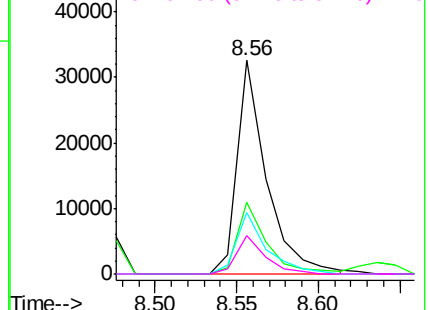


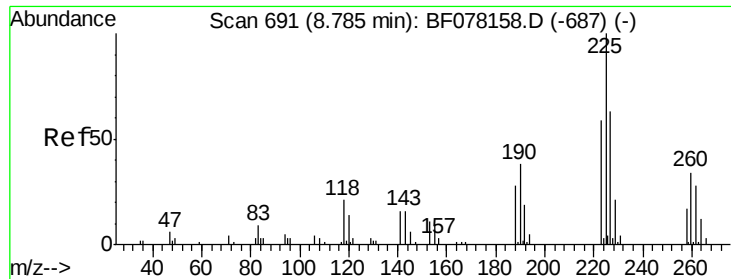
Abundance Ion 127.00 (126.70 to 127.70): E

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

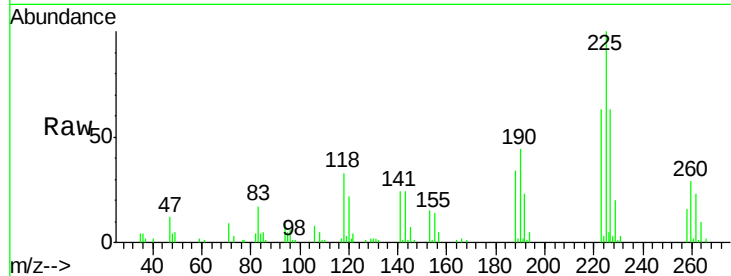




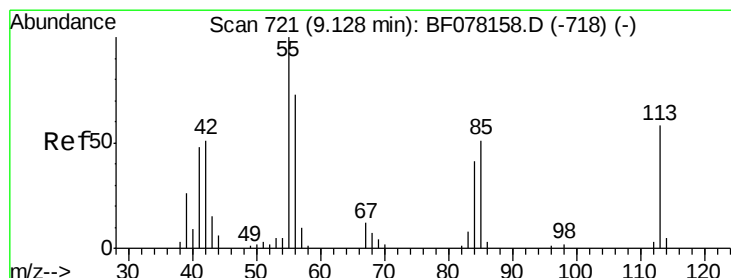
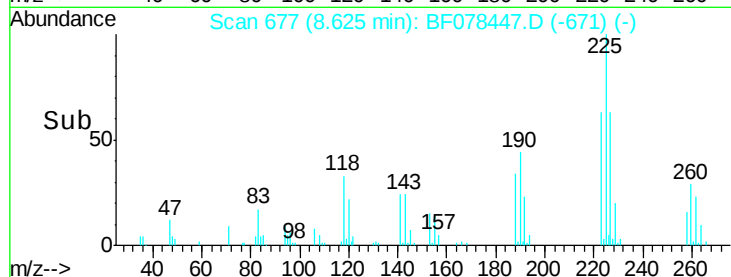
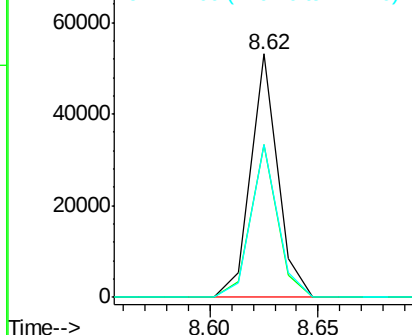
#34  
Hexachlorobutadiene  
Concen: 44.45 ng  
RT: 8.62 min Scan# 677  
Delta R.T. -0.03 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01AMS

Tgt Ion: 225 Resp: 45911  
Ion Ratio Lower Upper  
225 100  
223 62.9 47.5 71.3  
227 62.8 50.2 75.2

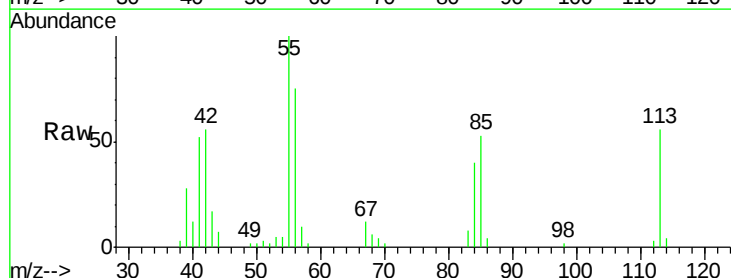


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

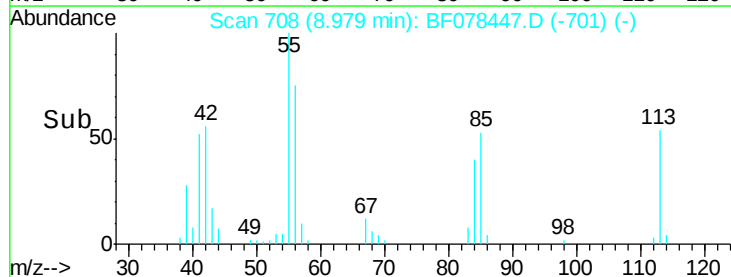
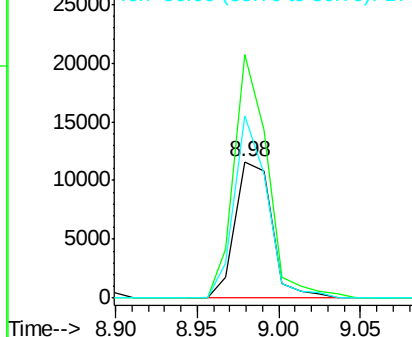


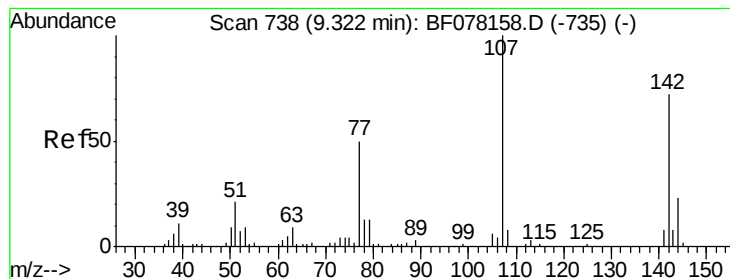
#35  
Caprolactam  
Concen: 37.06 ng  
RT: 8.98 min Scan# 708  
Delta R.T. -0.02 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Tgt Ion: 113 Resp: 18149  
Ion Ratio Lower Upper  
113 100  
55 178.5 151.9 191.9  
56 133.7 106.1 146.1



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: 45.98 ng

RT: 9.17 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

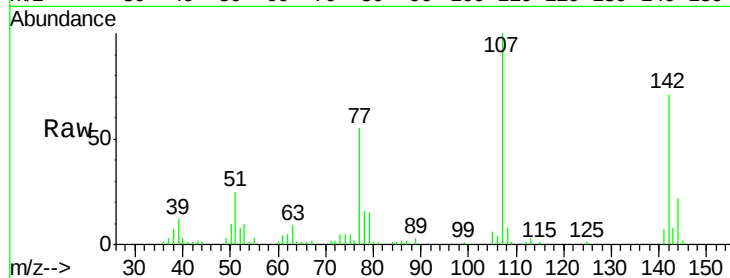
Tgt Ion:107 Resp: 76116

Ion Ratio Lower Upper

107 100

144 22.0 18.2 27.2

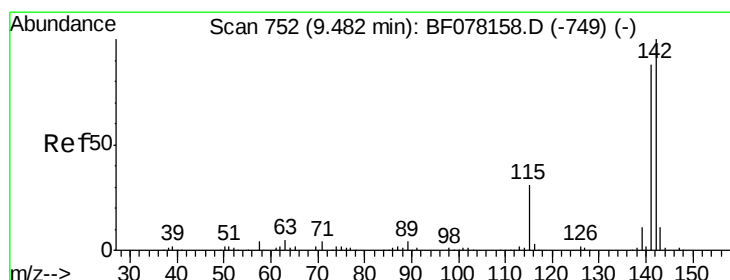
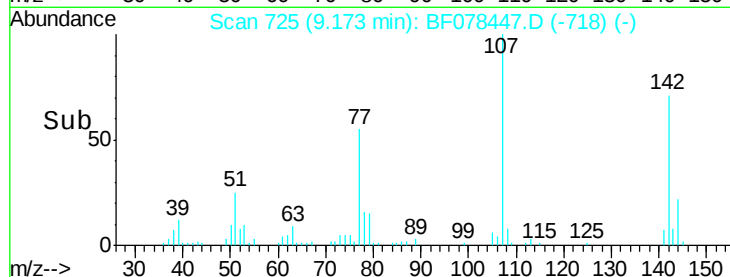
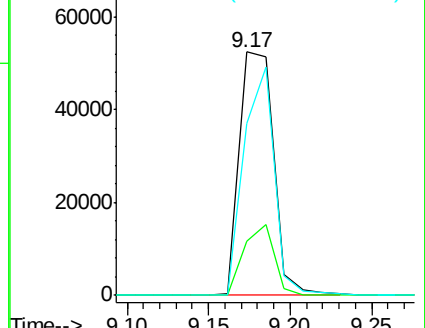
142 70.7 58.0 87.0



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 46.40 ng

RT: 9.32 min Scan# 738

Delta R.T. -0.03 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

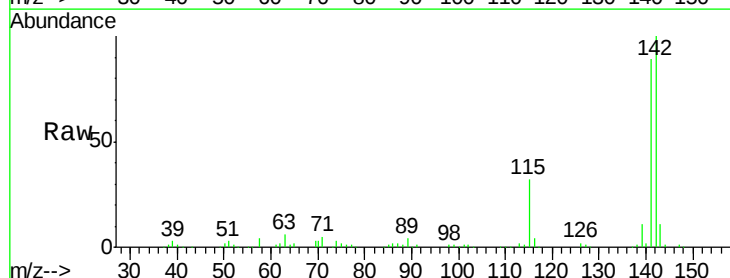
Tgt Ion:142 Resp: 193468

Ion Ratio Lower Upper

142 100

141 88.6 70.3 105.5

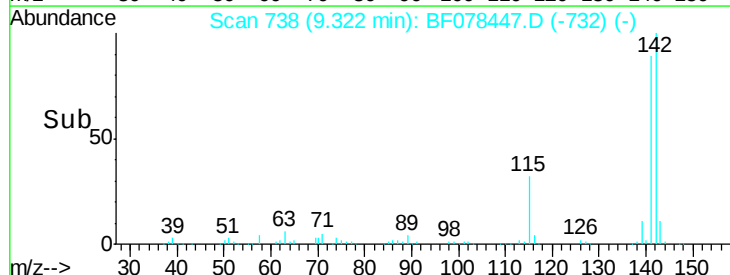
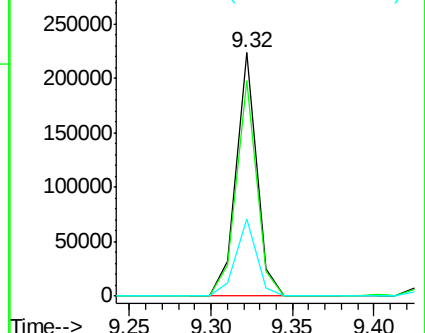
115 31.9 24.6 37.0

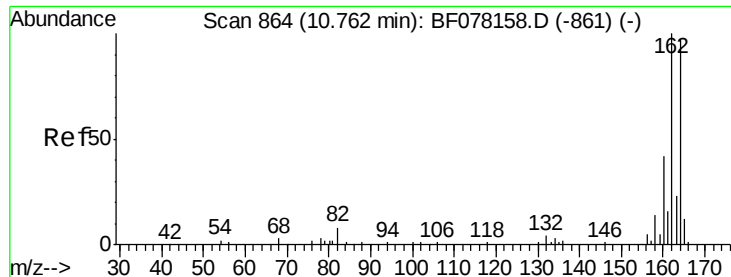


Abundance Ion 142.00 (141.70 to 142.70): E

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: 10.59 min Scan# 849

Delta R.T. -0.05 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

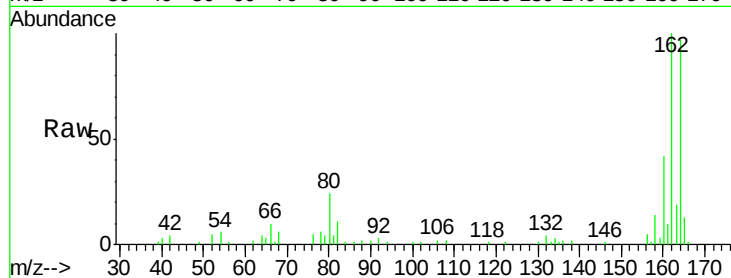
Tgt Ion:164 Resp: 59395

Ion Ratio Lower Upper

164 100

162 103.1 82.2 123.2

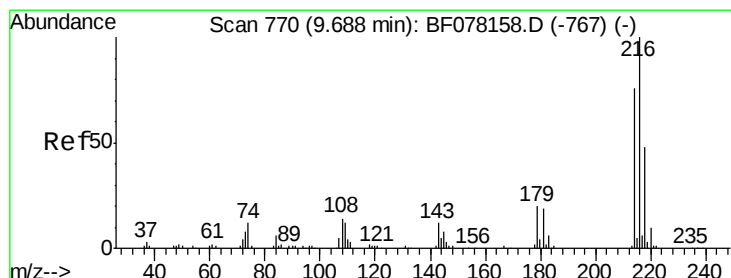
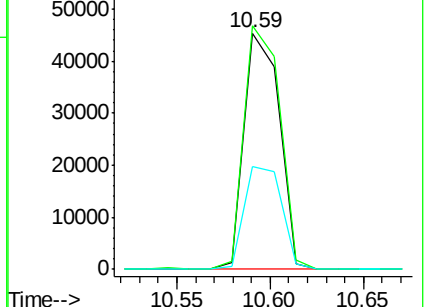
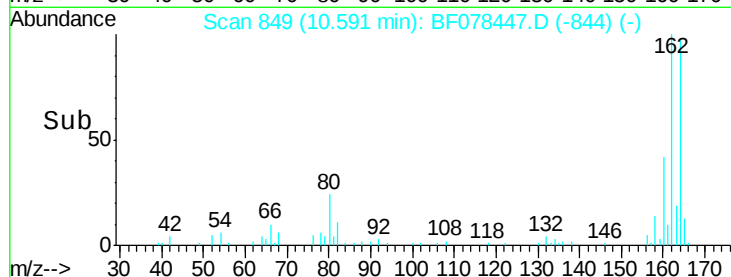
160 43.6 34.7 52.1



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: 44.84 ng

RT: 9.53 min Scan# 756

Delta R.T. -0.03 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Tgt Ion:216 Resp: 82515

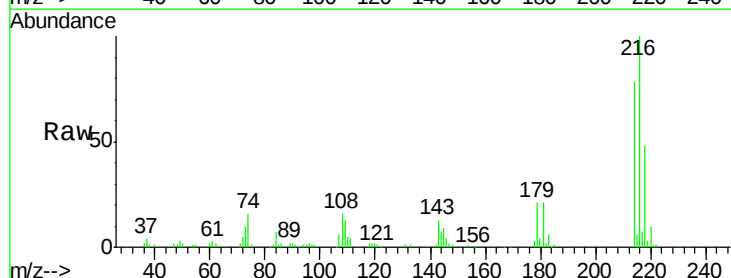
Ion Ratio Lower Upper

216 100

214 79.1 62.0 93.0

179 21.3 17.3 25.9

108 18.1 14.6 21.8

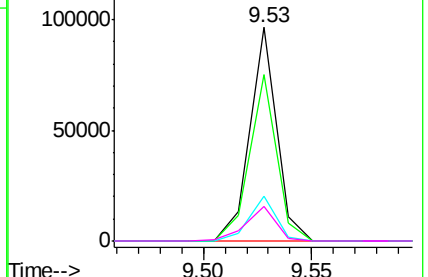
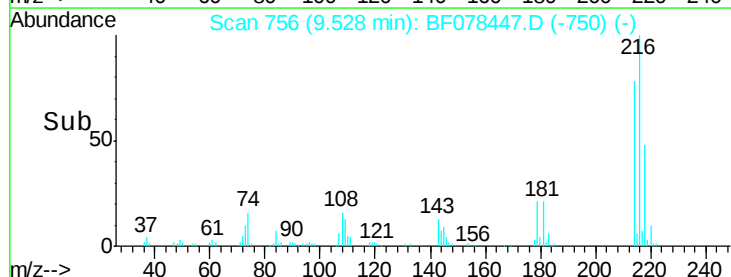


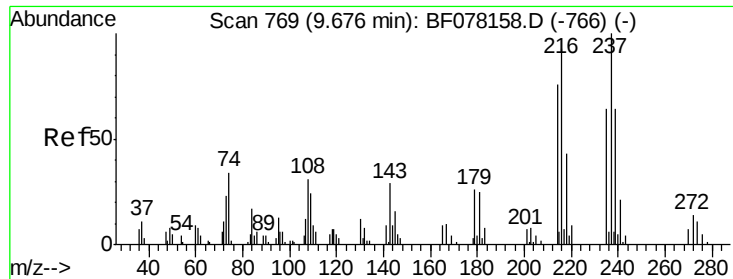
Abundance Ion 216.00 (215.70 to 216.70): E

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

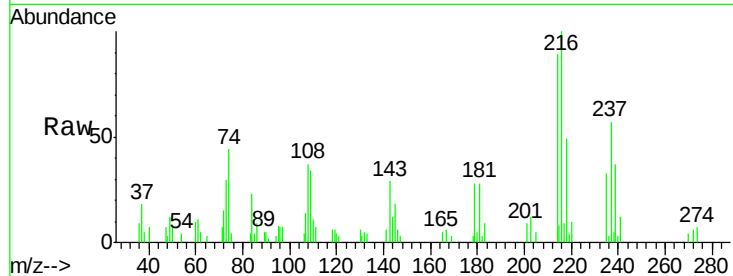




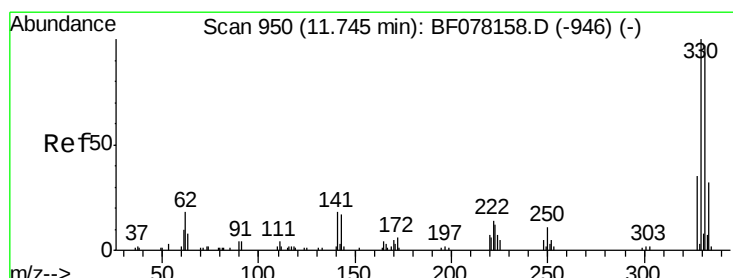
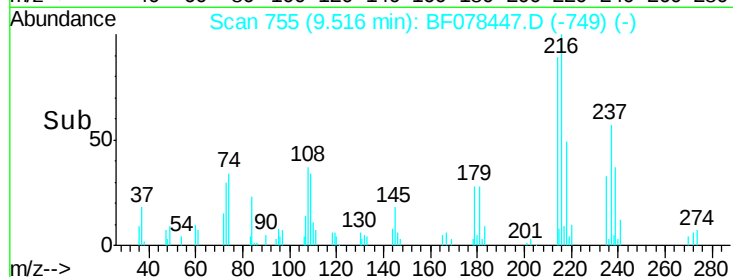
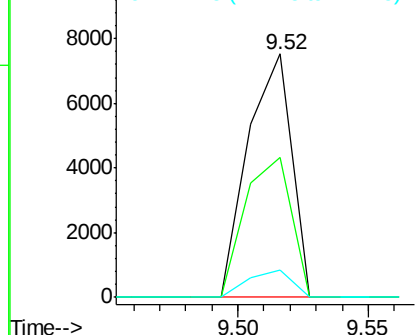
#40  
Hexachlorocyclopentadiene  
Concen: 17.03 ng  
RT: 9.52 min Scan# 755  
Delta R.T. -0.03 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01AMS

Tgt Ion: 237 Resp: 8847  
Ion Ratio Lower Upper  
237 100  
235 57.2 44.1 84.1  
272 11.3 0.0 34.4

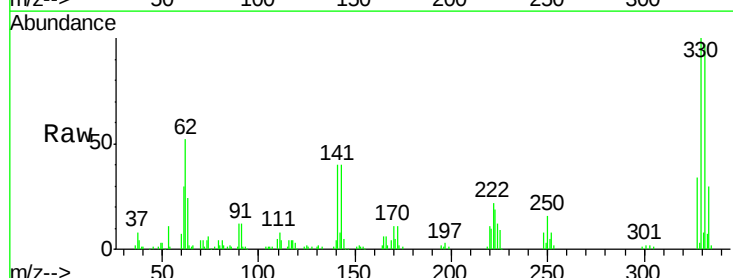


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

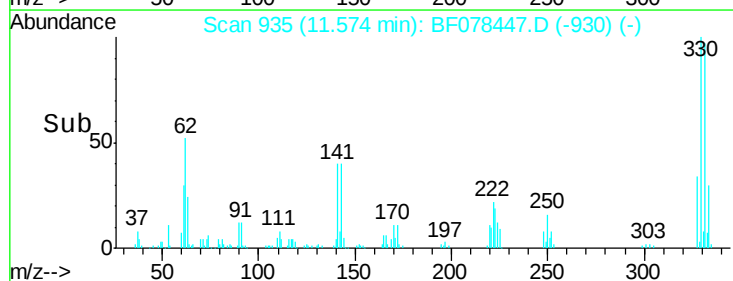
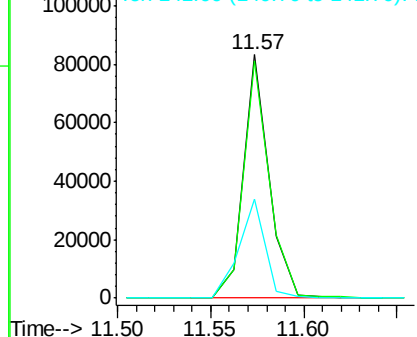


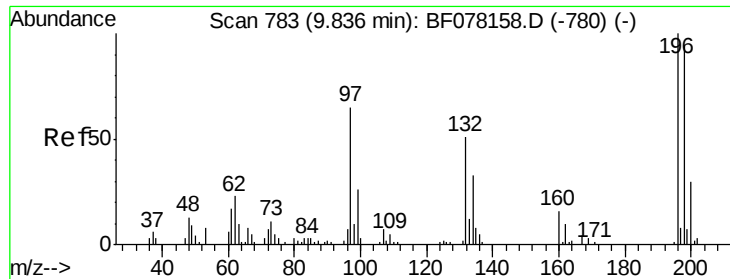
#41  
2,4,6-Tribromophenol  
Concen: 161.54 ng  
RT: 11.57 min Scan# 935  
Delta R.T. -0.05 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Tgt Ion: 330 Resp: 79573  
Ion Ratio Lower Upper  
330 100  
332 98.7 78.6 117.8  
141 41.6 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

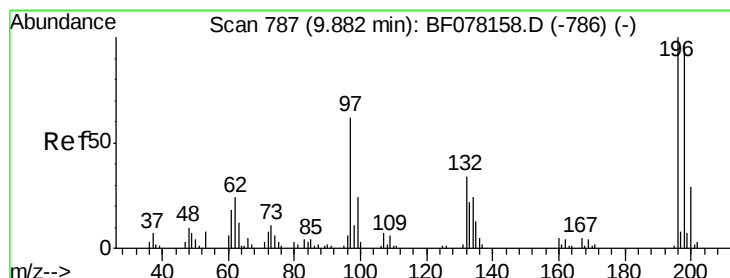
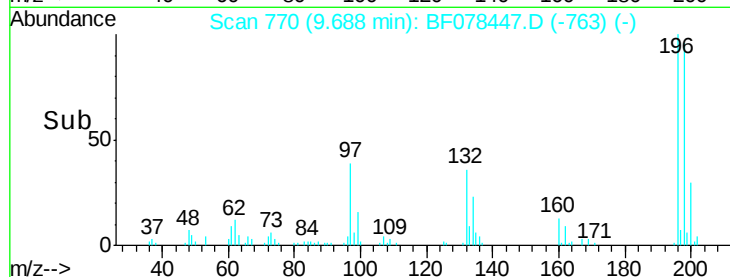
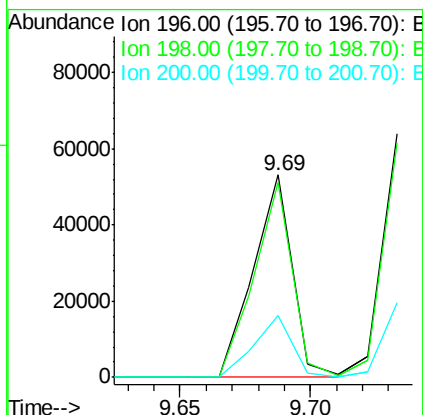
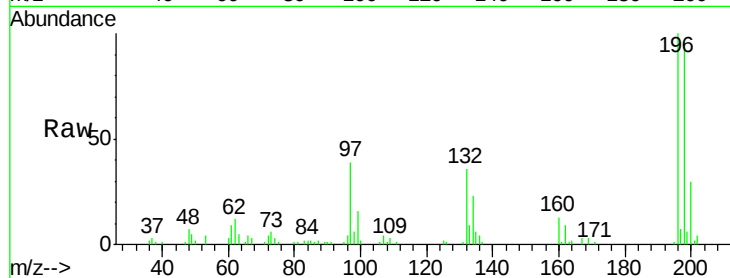




#42  
 2,4,6-Trichlorophenol  
 Concen: 47.92 ng  
 RT: 9.69 min Scan# 770  
 Delta R.T. -0.02 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

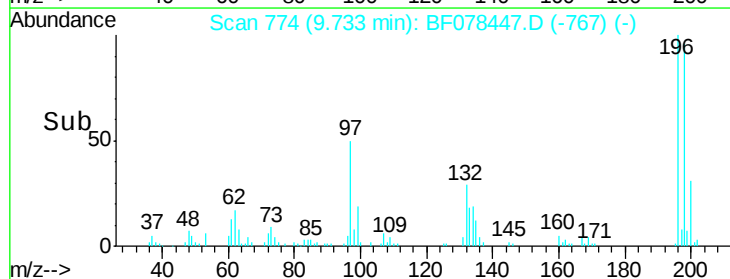
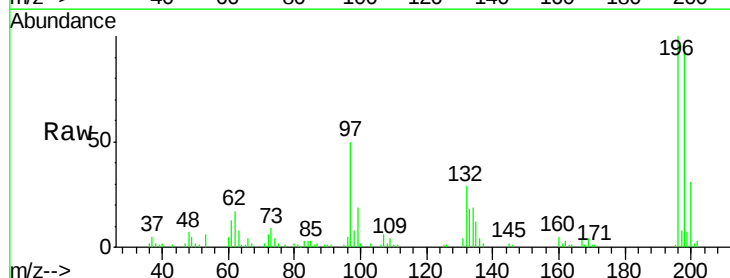
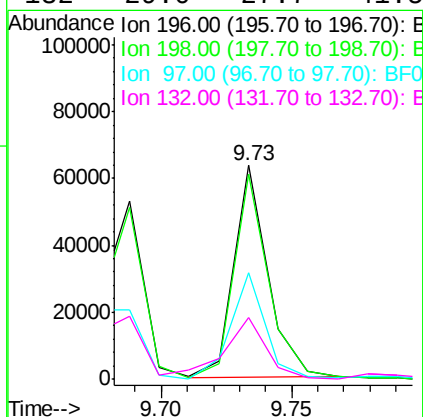
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

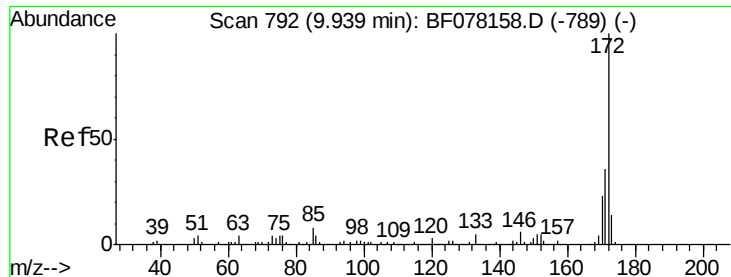
Tgt Ion:196 Resp: 55620  
 Ion Ratio Lower Upper  
 196 100  
 198 96.3 75.4 113.2  
 200 30.5 24.0 36.0



#43  
 2,4,5-Trichlorophenol  
 Concen: 47.90 ng  
 RT: 9.73 min Scan# 774  
 Delta R.T. -0.02 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion:196 Resp: 58076  
 Ion Ratio Lower Upper  
 196 100  
 198 96.2 76.6 115.0  
 97 49.5 50.6 75.8#  
 132 29.0 27.7 41.5

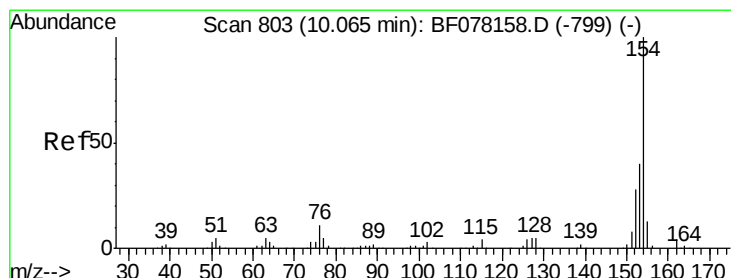
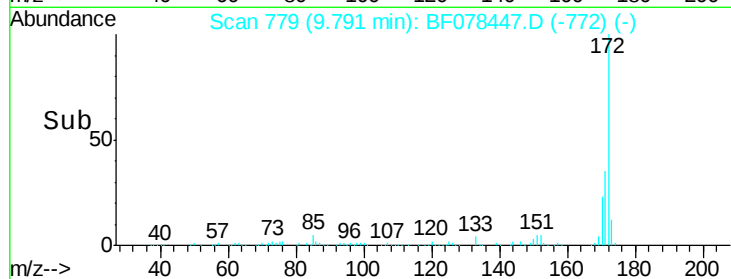
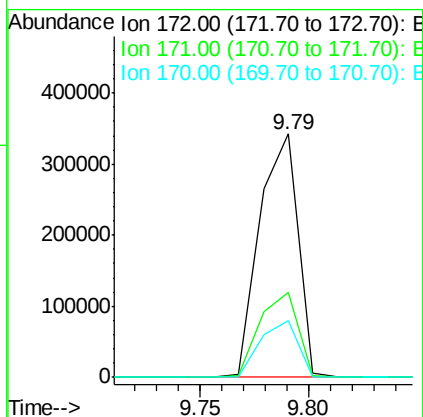
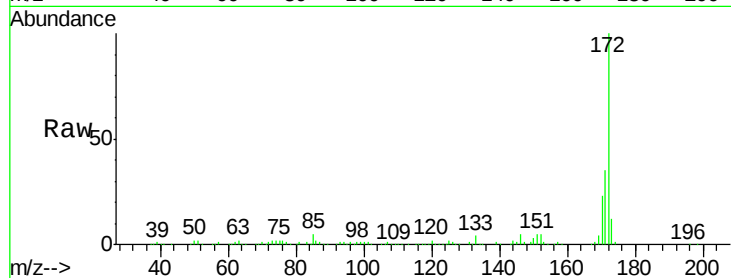




#44  
 2-Fluorobiphenyl  
 Concen: 102.05 ng  
 RT: 9.79 min Scan# 779  
 Delta R.T. -0.02 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

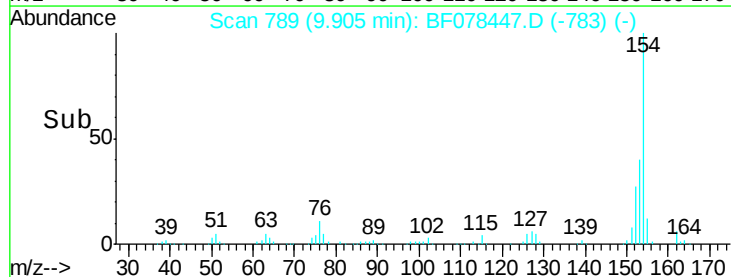
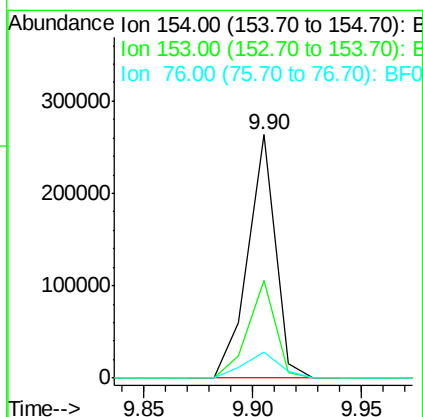
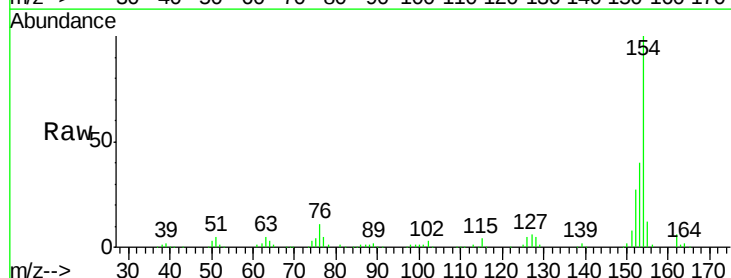
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

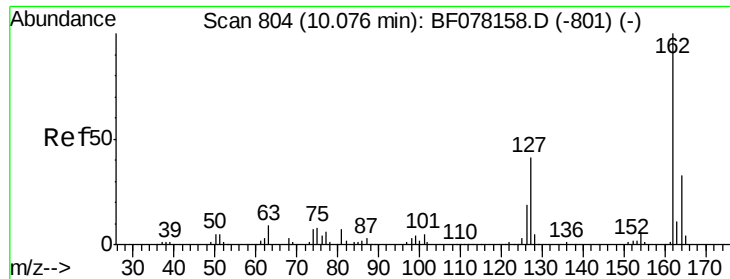
Tgt Ion:172 Resp: 424020  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 28.6 42.8  
 170 23.2 18.5 27.7



#45  
 1,1'-Biphenyl  
 Concen: 47.94 ng  
 RT: 9.90 min Scan# 789  
 Delta R.T. -0.03 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion:154 Resp: 232922  
 Ion Ratio Lower Upper  
 154 100  
 153 40.3 20.0 60.0  
 76 10.8 0.0 30.6

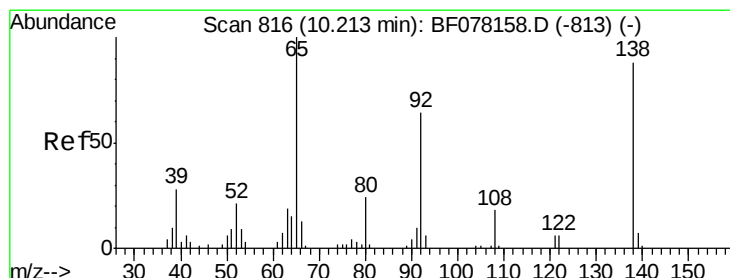
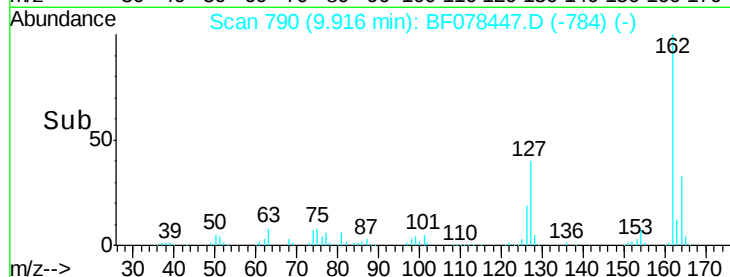
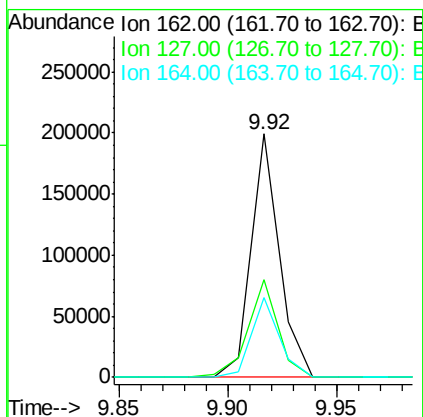
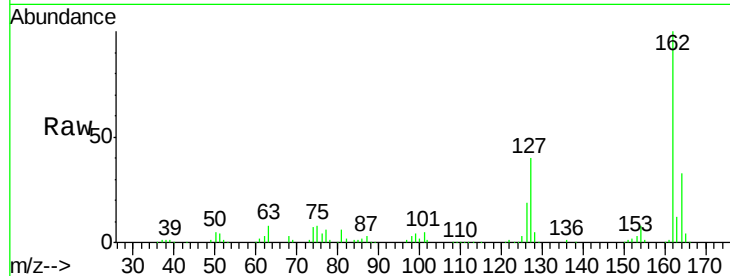




#46  
 2-Chloronaphthalene  
 Concen: 46.92 ng  
 RT: 9.92 min Scan# 790  
 Delta R.T. -0.03 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

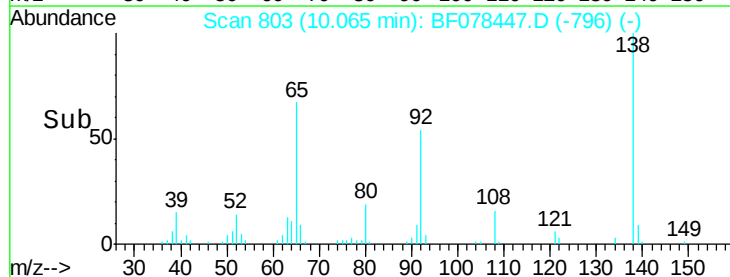
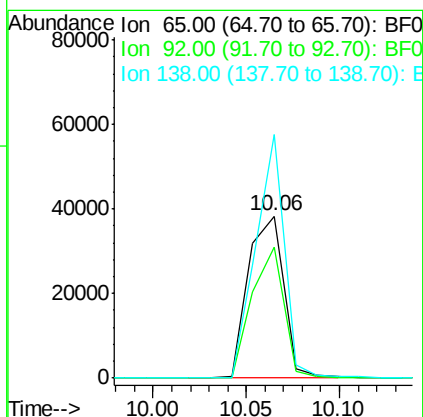
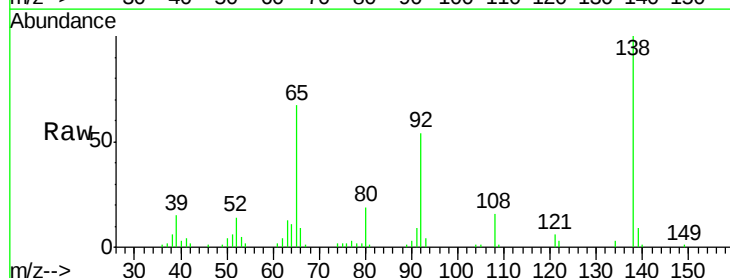
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

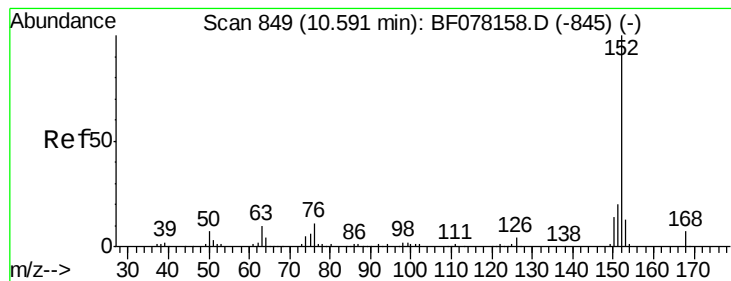
Tgt Ion: 162 Resp: 179334  
 Ion Ratio Lower Upper  
 162 100  
 127 40.1 32.6 49.0  
 164 32.6 26.0 39.0



#47  
 2-Nitroaniline  
 Concen: 53.48 ng  
 RT: 10.06 min Scan# 803  
 Delta R.T. -0.02 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion: 65 Resp: 50579  
 Ion Ratio Lower Upper  
 65 100  
 92 81.2 51.3 76.9#  
 138 150.3 70.4 105.6#





#48

Acenaphthylene

Concen: 45.02 ng

RT: 10.42 min Scan# 834

Delta R.T. -0.05 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

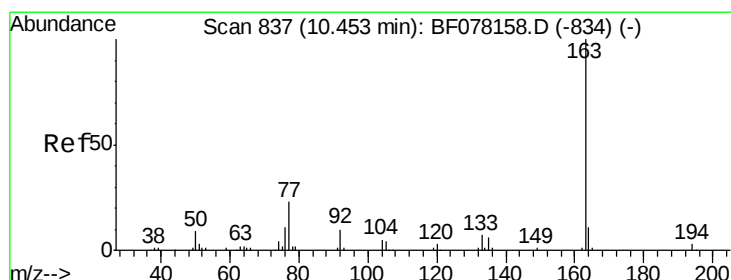
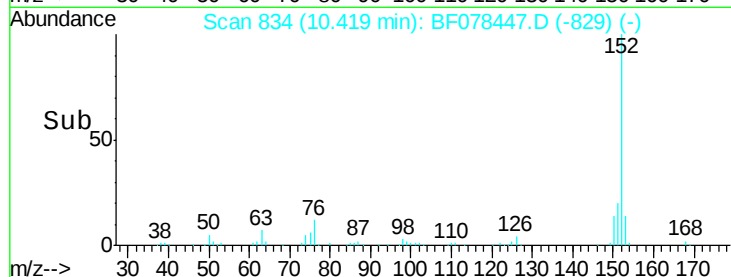
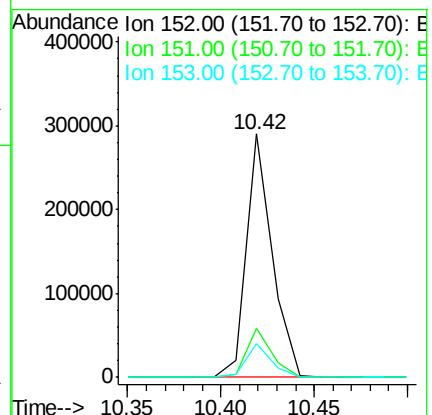
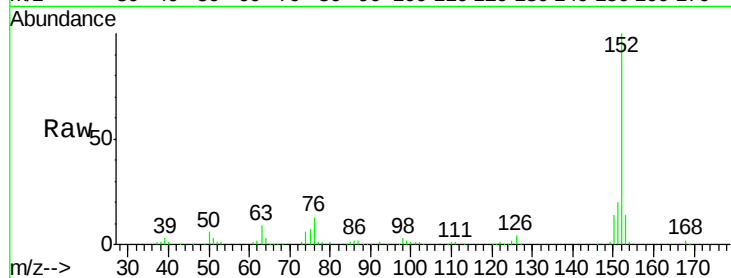
Tgt Ion:152 Resp: 277922

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

153 13.6 10.2 15.2



#49

Dimethylphthalate

Concen: 48.66 ng

RT: 10.30 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

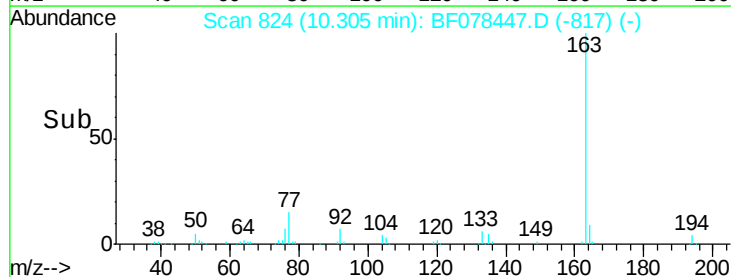
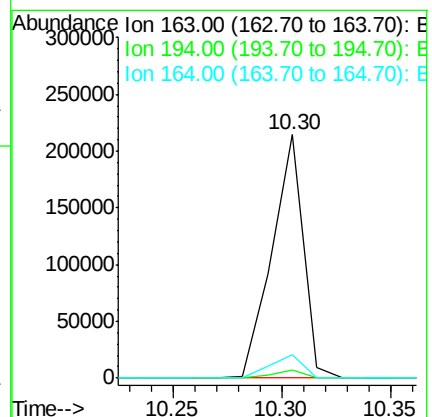
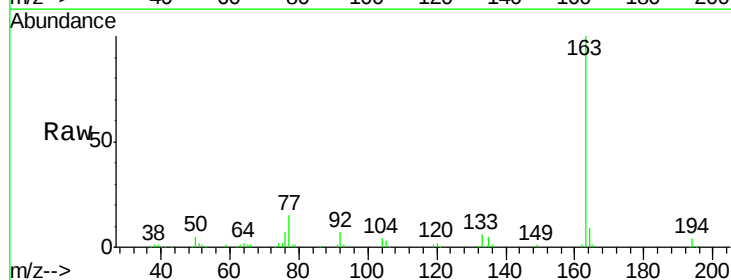
Tgt Ion:163 Resp: 217123

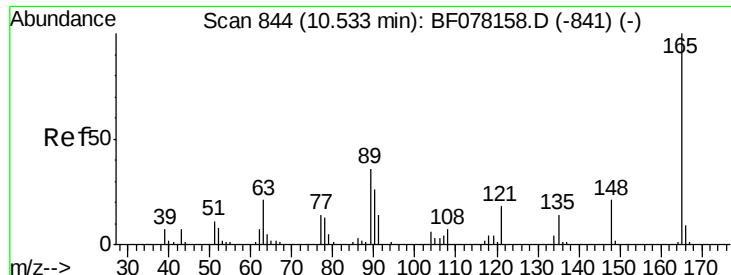
Ion Ratio Lower Upper

163 100

194 3.5 2.3 3.5#

164 9.4 8.6 13.0

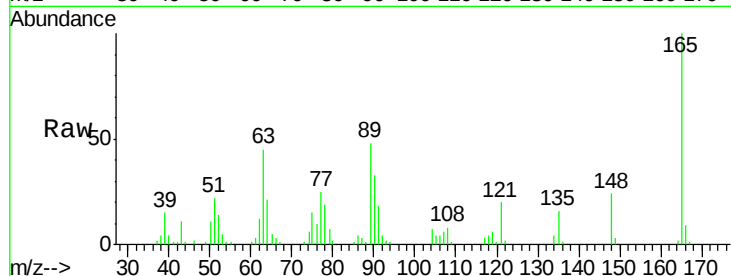




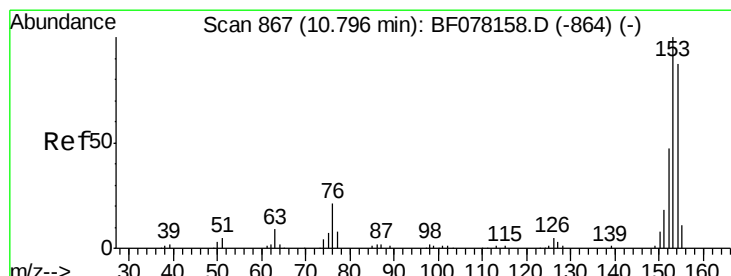
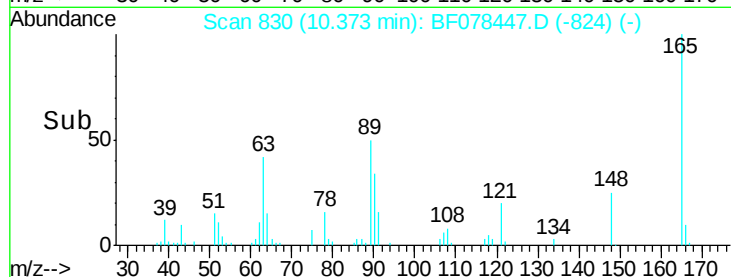
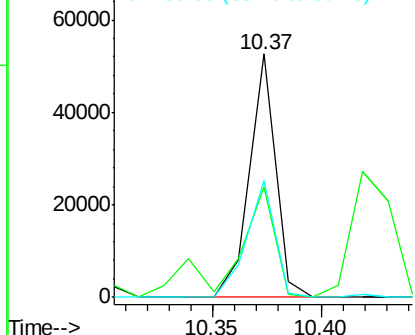
#50  
 2,6-Dinitrotoluene  
 Concen: 47.90 ng  
 RT: 10.37 min Scan# 830  
 Delta R.T. -0.03 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

Tgt Ion:165 Resp: 43978  
 Ion Ratio Lower Upper  
 165 100  
 63 45.2 24.1 36.1#  
 89 48.1 28.9 43.3#

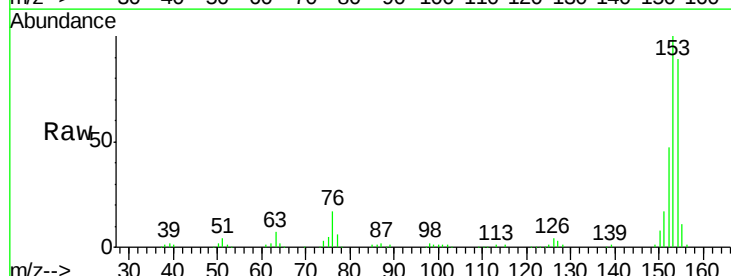


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

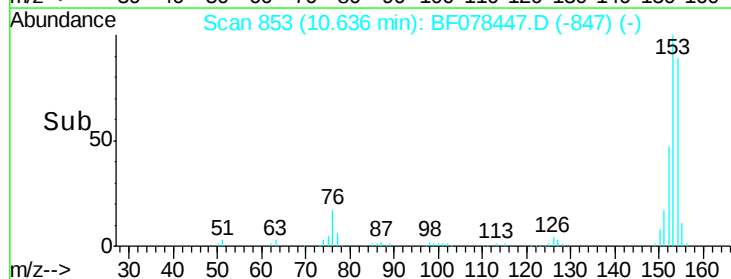
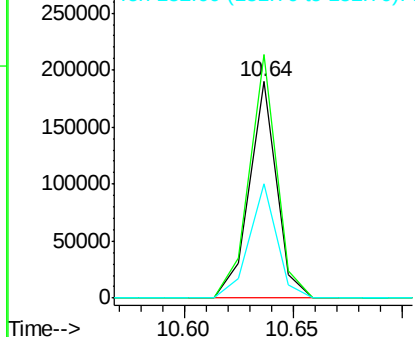


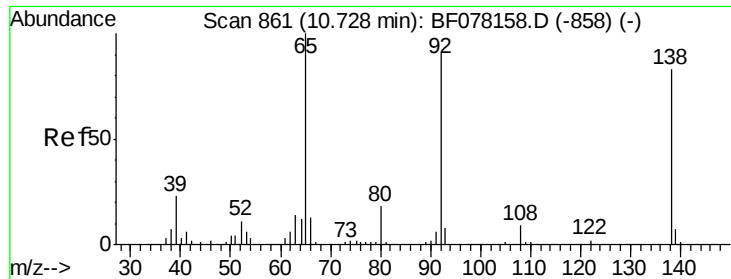
#51  
 Acenaphthene  
 Concen: 47.63 ng  
 RT: 10.64 min Scan# 853  
 Delta R.T. -0.03 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion:154 Resp: 165514  
 Ion Ratio Lower Upper  
 154 100  
 153 112.6 91.4 137.2  
 152 52.8 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

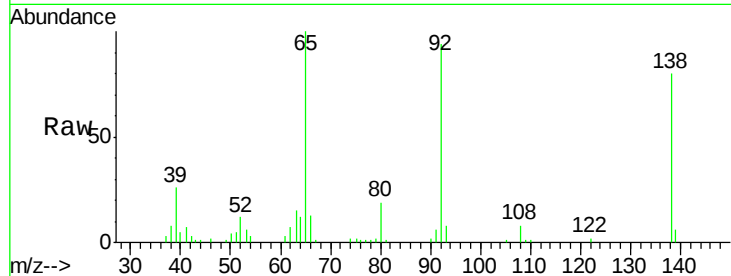




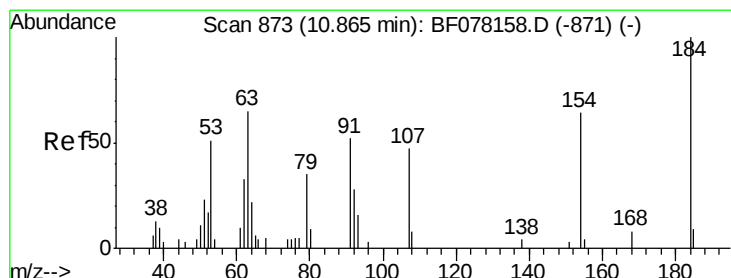
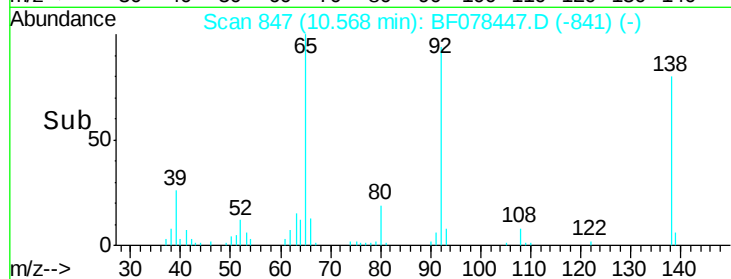
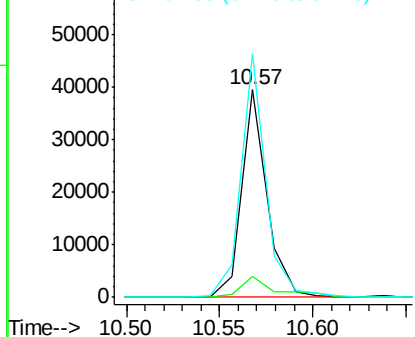
#52  
3-Nitroaniline  
Concen: 35.64 ng  
RT: 10.57 min Scan# 847  
Delta R.T. -0.03 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01AMS

Tgt Ion:138 Resp: 37202  
Ion Ratio Lower Upper  
138 100  
108 10.1 8.2 12.4  
92 117.3 88.4 132.6

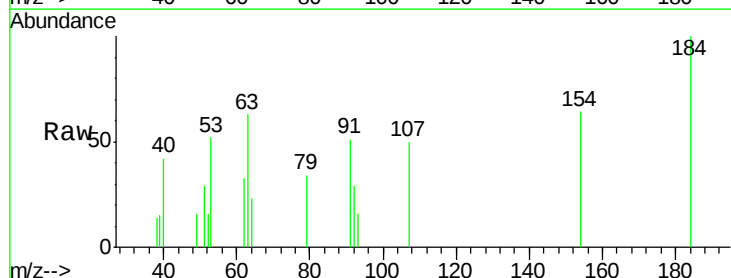


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): E

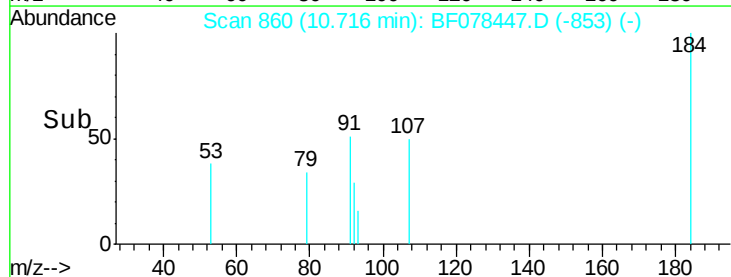
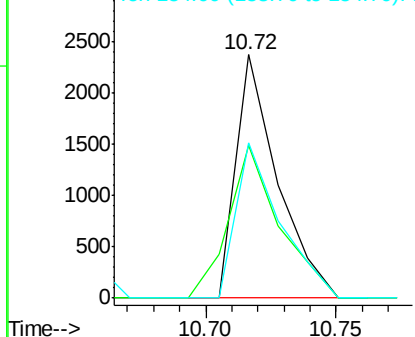


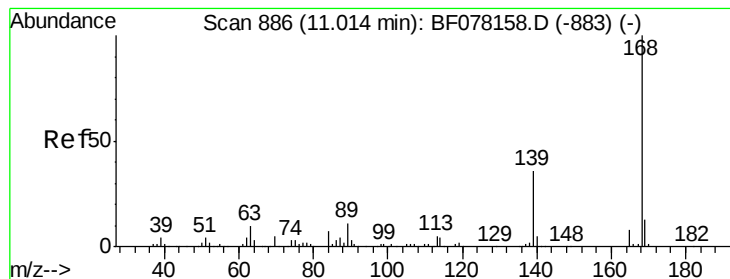
#53  
2,4-Dinitrophenol  
Concen: 17.40 ng  
RT: 10.72 min Scan# 860  
Delta R.T. -0.02 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Tgt Ion:184 Resp: 2660  
Ion Ratio Lower Upper  
184 100  
63 62.7 51.9 77.9  
154 63.6 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: 49.77 ng

RT: 10.85 min Scan# 872

Delta R.T. -0.03 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

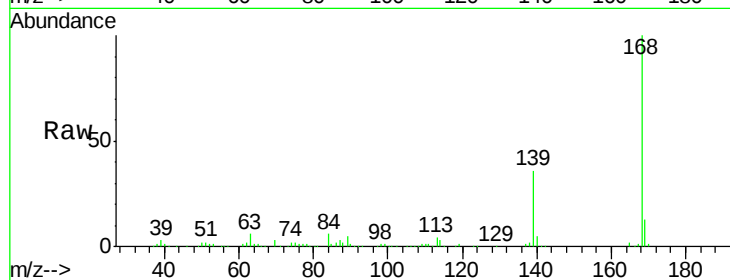
Tgt Ion:168 Resp: 264204

Ion Ratio Lower Upper

168 100

139 36.1 31.0 46.4

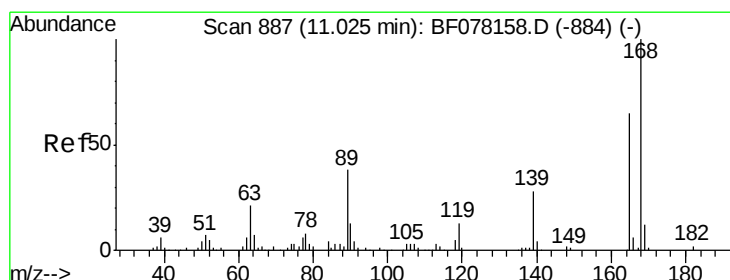
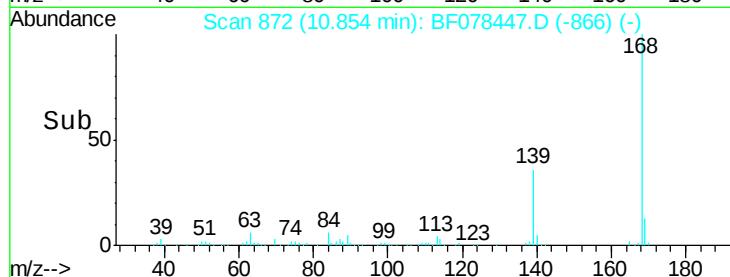
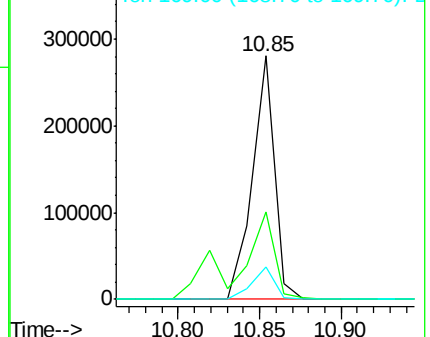
169 13.2 10.7 16.1



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



#56

2,4-Dinitrotoluene

Concen: 47.19 ng

RT: 10.86 min Scan# 873

Delta R.T. -0.03 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Tgt Ion:165 Resp: 56106

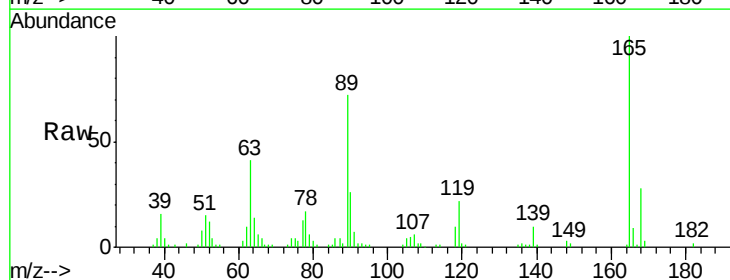
Ion Ratio Lower Upper

165 100

63 40.6 26.5 39.7#

89 72.5 46.4 69.6#

182 2.1 2.0 3.0

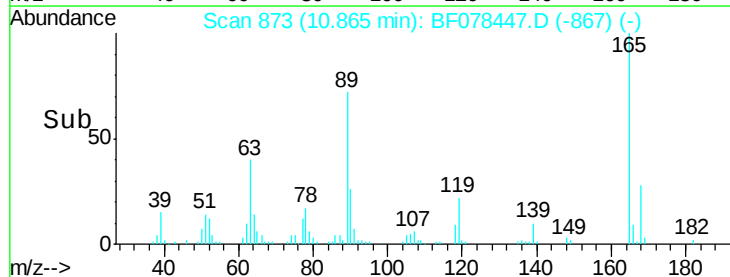
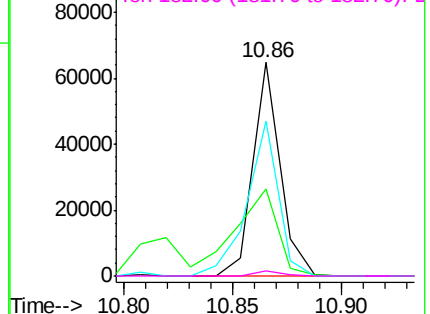


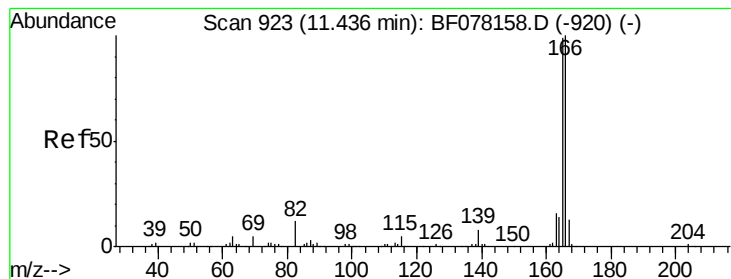
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 50.91 ng

RT: 11.28 min Scan# 909

Delta R.T. -0.03 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

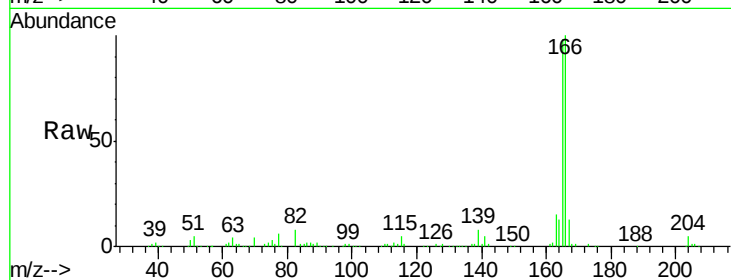
Tgt Ion:166 Resp: 219067

Ion Ratio Lower Upper

166 100

165 97.8 78.9 118.3

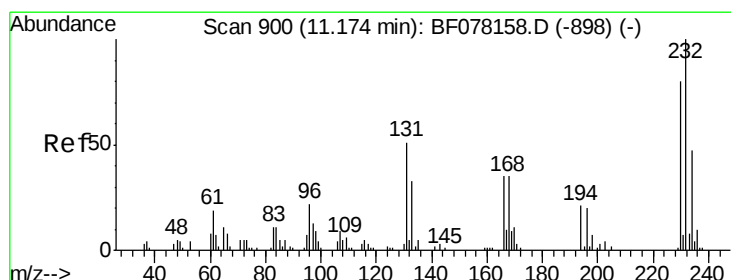
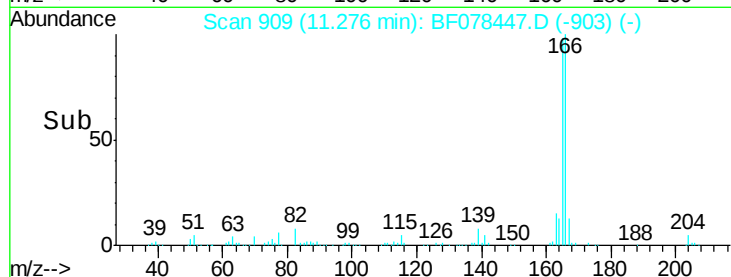
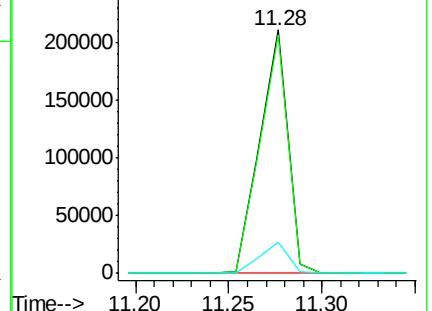
167 12.9 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 50.91 ng

RT: 11.01 min Scan# 886

Delta R.T. -0.03 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Tgt Ion:232 Resp: 45766

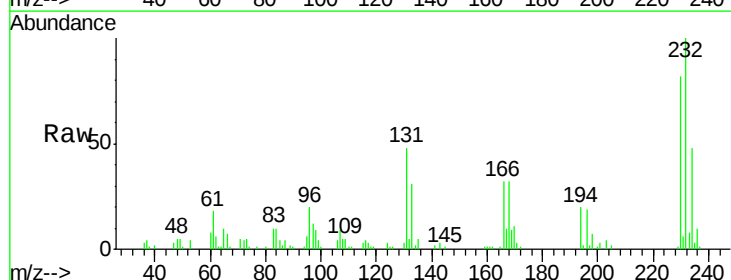
Ion Ratio Lower Upper

232 100

131 50.5 37.8 56.8

130 2.4 1.5 2.3#

166 32.0 25.8 38.6

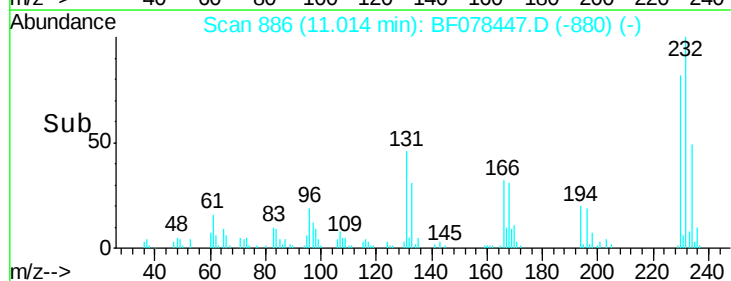
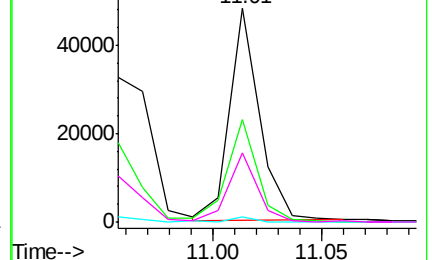


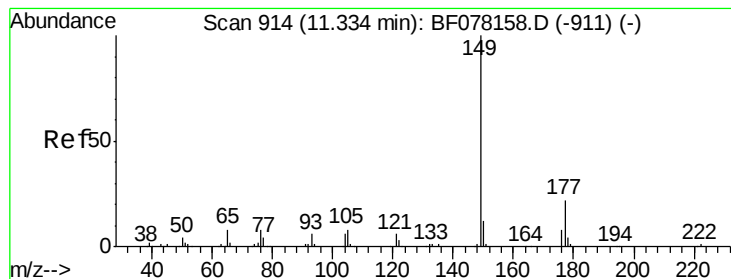
Abundance Ion 232.00 (231.70 to 232.70): E

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: 49.98 ng

RT: 11.17 min Scan# 900

Delta R.T. -0.03 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

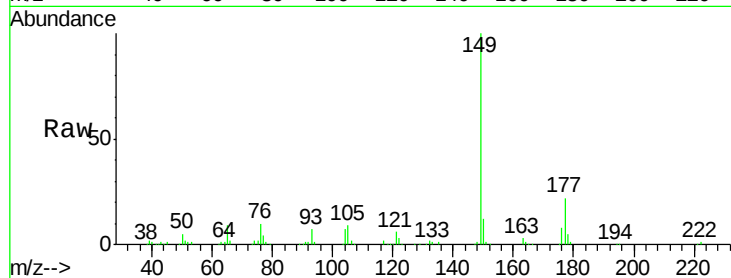
Tgt Ion:149 Resp: 215024

Ion Ratio Lower Upper

149 100

177 21.8 17.4 26.2

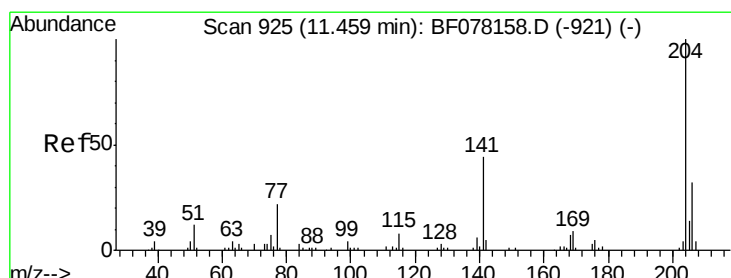
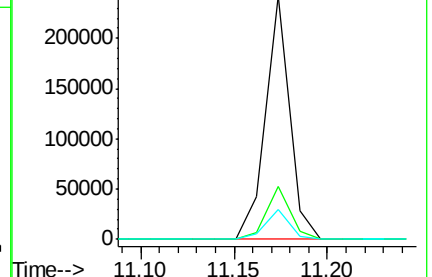
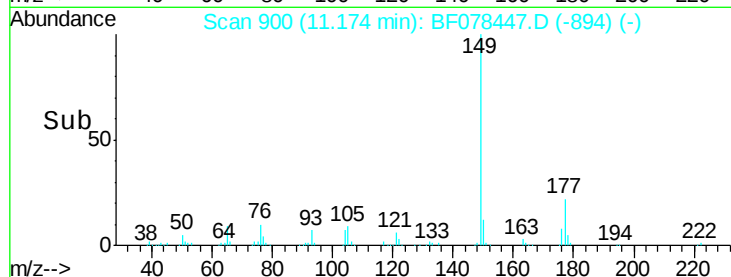
150 12.0 9.4 14.2



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: 48.54 ng

RT: 11.29 min Scan# 910

Delta R.T. -0.05 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

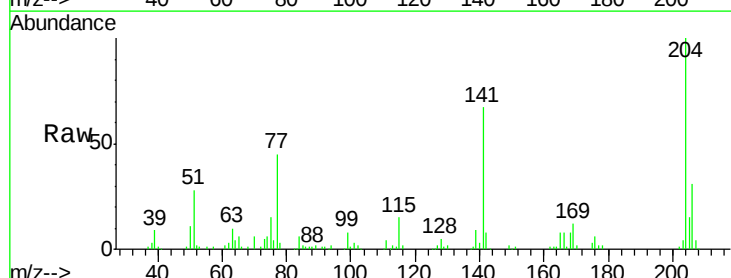
Tgt Ion:204 Resp: 96080

Ion Ratio Lower Upper

204 100

206 31.3 25.6 38.4

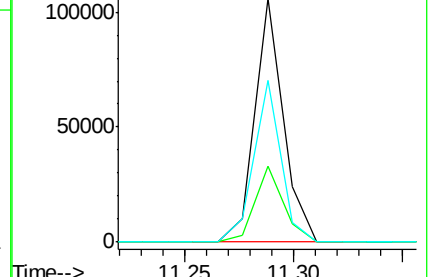
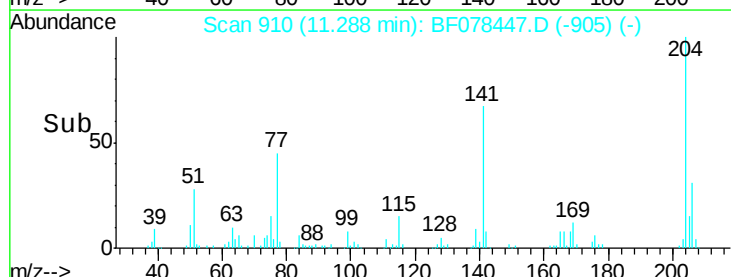
141 66.5 35.4 53.0#

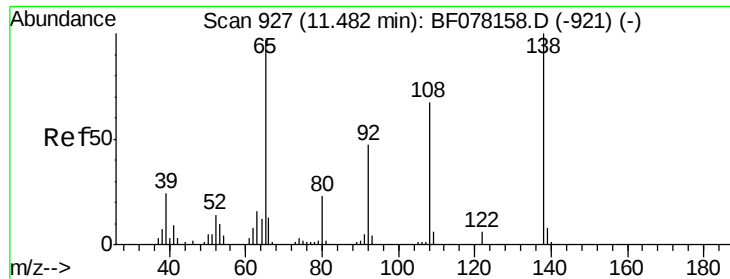


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

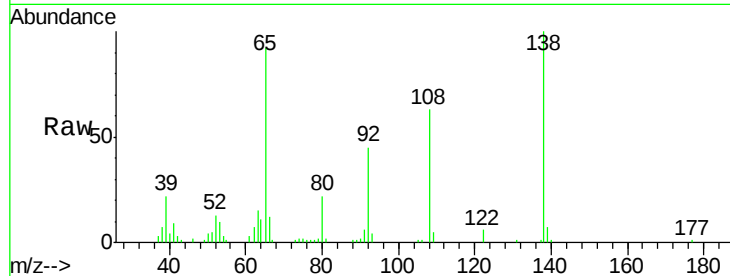




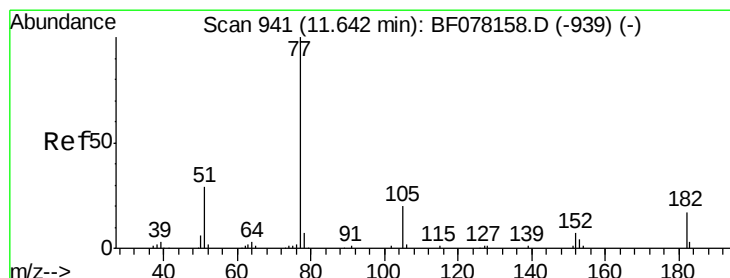
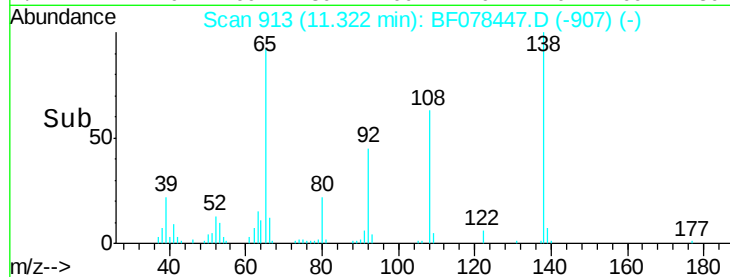
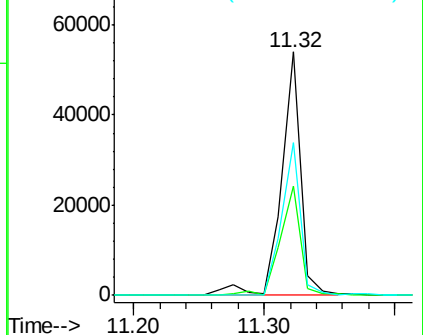
#61  
4-Nitroaniline  
Concen: 52.93 ng  
RT: 11.32 min Scan# 913  
Delta R.T. -0.03 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01AMS

Tgt Ion:138 Resp: 55855  
Ion Ratio Lower Upper  
138 100  
92 44.9 27.3 67.3  
108 62.6 47.2 87.2

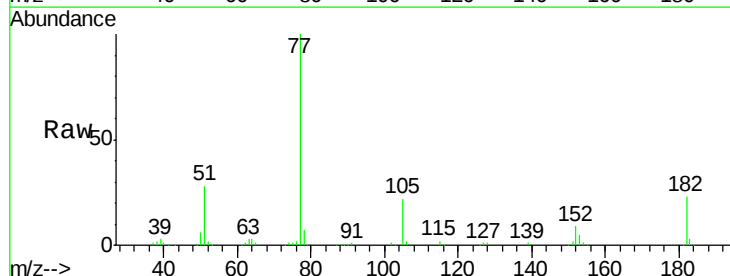


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

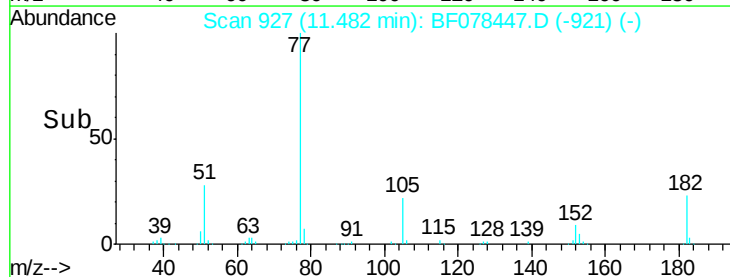
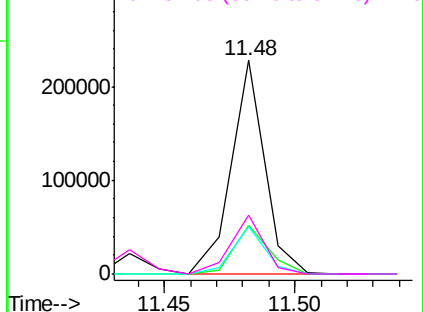


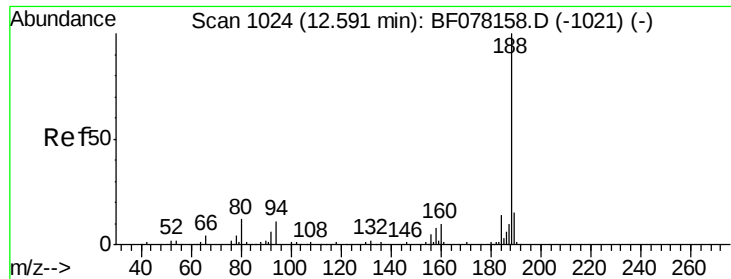
#62  
Azobenzene  
Concen: 51.79 ng  
RT: 11.48 min Scan# 927  
Delta R.T. -0.03 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Tgt Ion: 77 Resp: 203382  
Ion Ratio Lower Upper  
77 100  
182 22.6 0.0 36.8  
105 22.0 0.3 40.3  
51 27.7 9.1 49.1



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

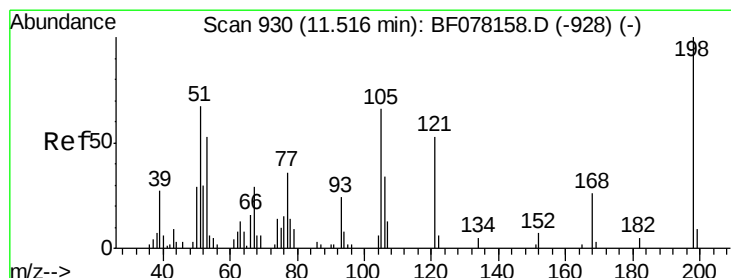
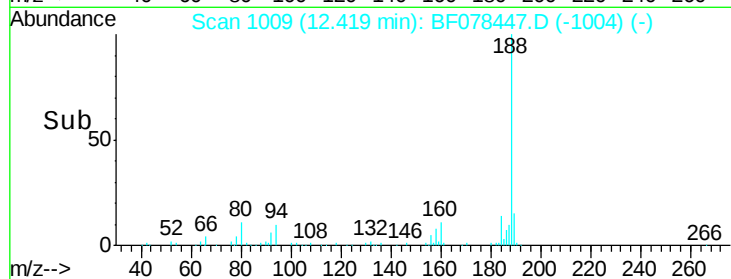
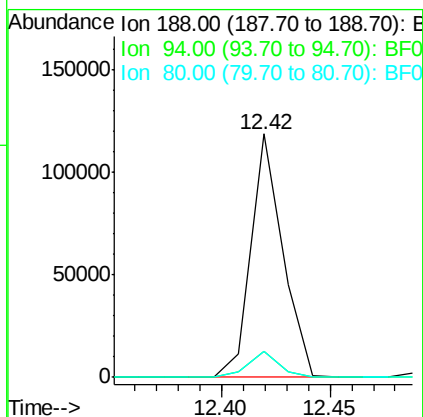
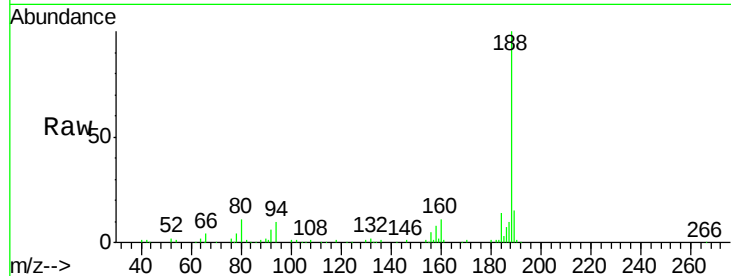




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.42 min Scan# 1009  
Delta R.T. -0.05 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

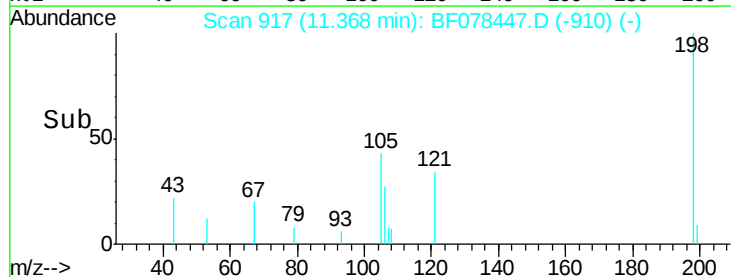
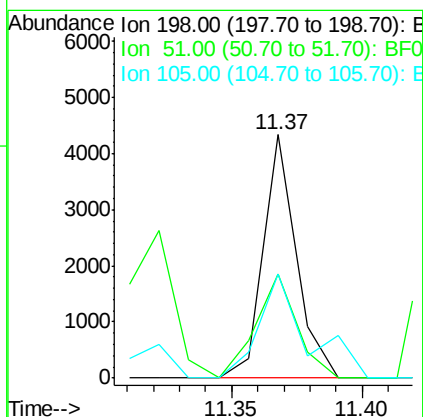
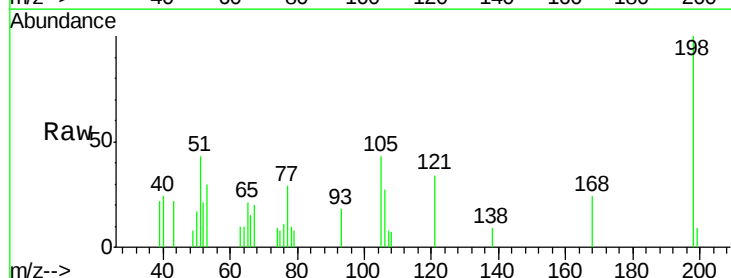
Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01AMS

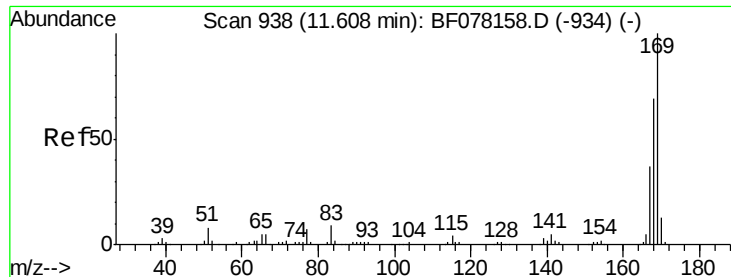
Tgt Ion:188 Resp: 120757  
Ion Ratio Lower Upper  
188 100  
94 10.5 9.0 13.4  
80 10.8 9.5 14.3



#64  
4,6-Dinitro-2-methylphenol  
Concen: 13.83 ng  
RT: 11.37 min Scan# 917  
Delta R.T. -0.02 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Tgt Ion:198 Resp: 3843  
Ion Ratio Lower Upper  
198 100  
51 42.8 48.6 88.6#  
105 42.6 45.8 85.8#

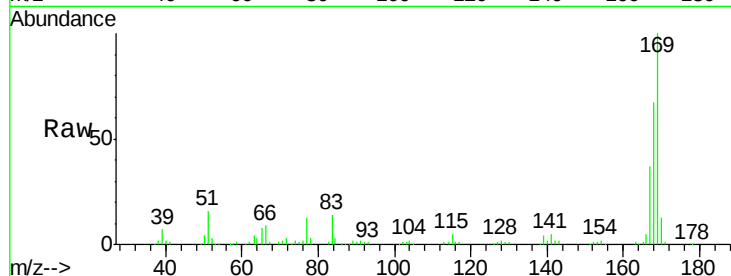




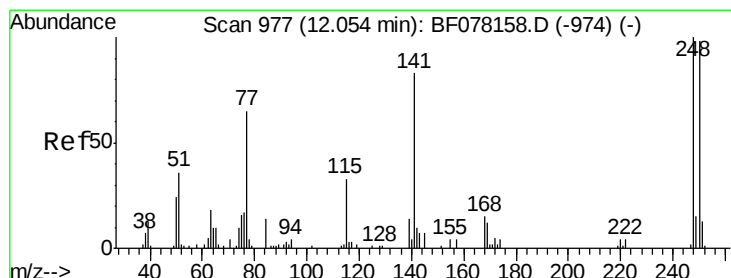
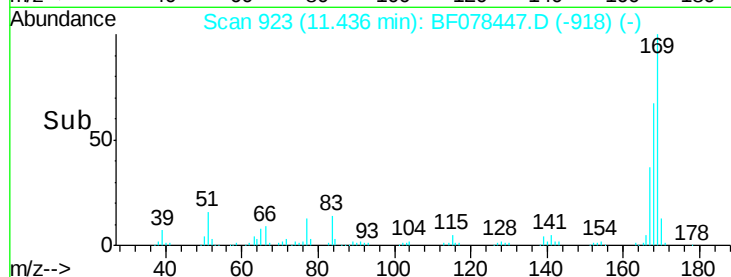
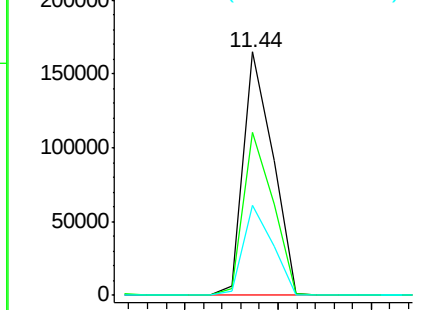
#65  
 n-Nitrosodiphenylamine  
 Concen: 43.36 ng  
 RT: 11.44 min Scan# 923  
 Delta R.T. -0.05 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

Tgt Ion:169 Resp: 181109  
 Ion Ratio Lower Upper  
 169 100  
 168 67.2 55.0 82.4  
 167 37.0 29.3 43.9

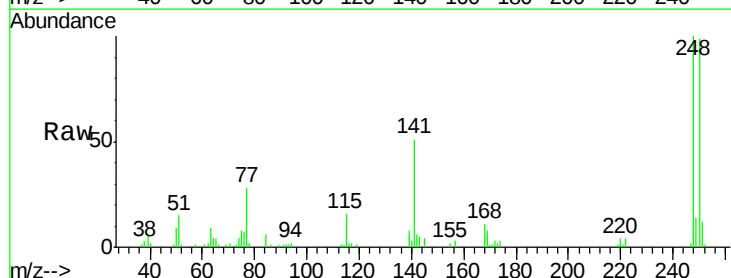


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

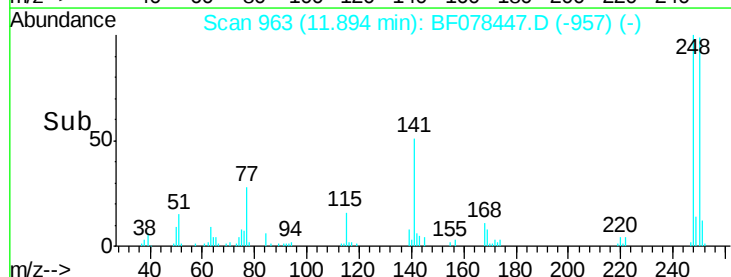
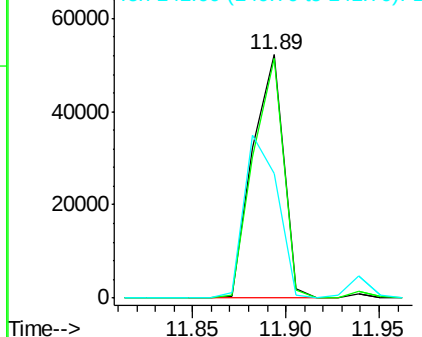


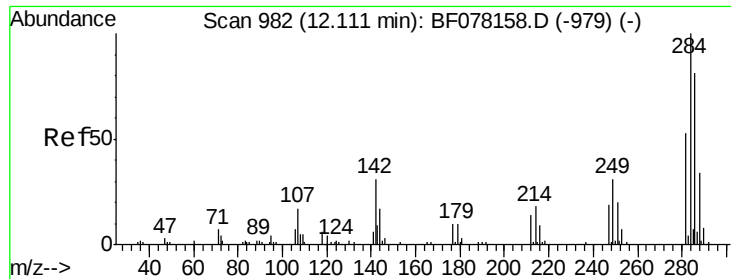
#66  
 4-Bromophenyl-phenylether  
 Concen: 46.53 ng  
 RT: 11.89 min Scan# 963  
 Delta R.T. -0.03 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion:248 Resp: 59510  
 Ion Ratio Lower Upper  
 248 100  
 250 98.7 78.2 117.2  
 141 51.4 66.4 99.6#



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

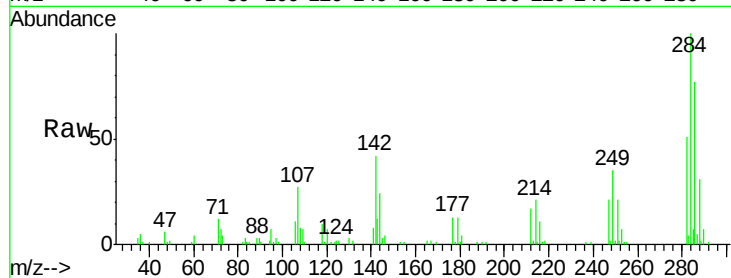




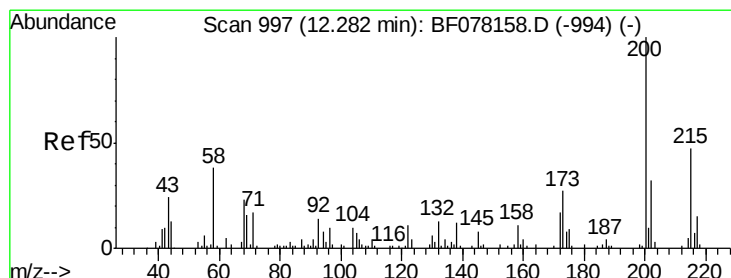
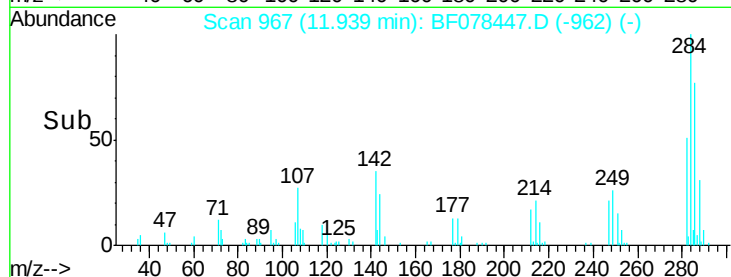
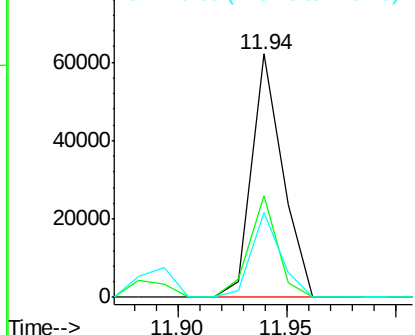
#67  
Hexachlorobenzene  
Concen: 44.03 ng  
RT: 11.94 min Scan# 967  
Delta R.T. -0.05 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01AMS

Tgt Ion:284 Resp: 61710  
Ion Ratio Lower Upper  
284 100  
142 41.9 24.5 36.7#  
249 34.6 24.8 37.2

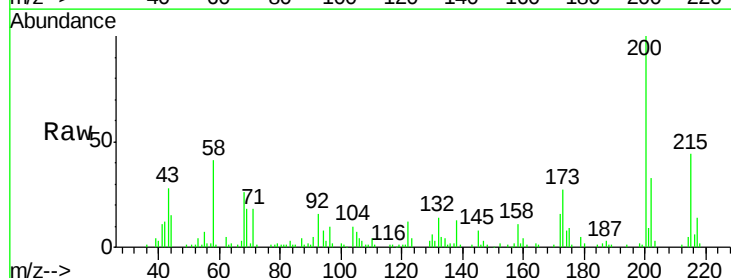


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

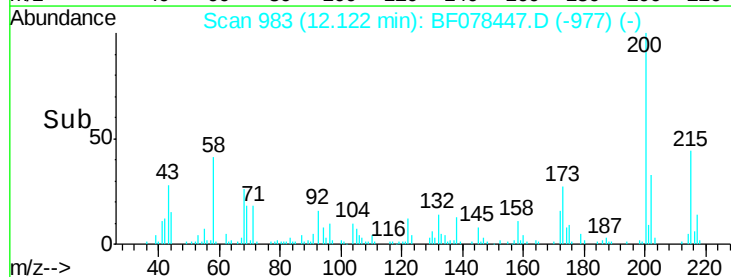
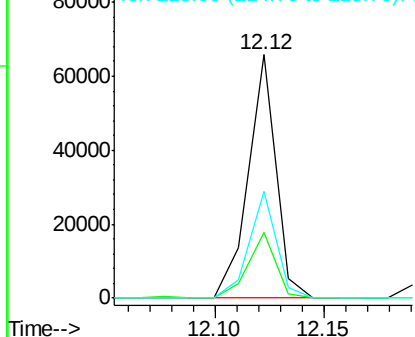


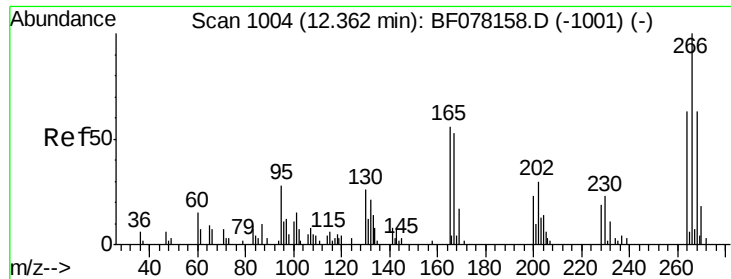
#68  
Atrazine  
Concen: 48.11 ng  
RT: 12.12 min Scan# 983  
Delta R.T. -0.03 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Tgt Ion:200 Resp: 58200  
Ion Ratio Lower Upper  
200 100  
173 27.0 6.9 46.9  
215 43.7 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

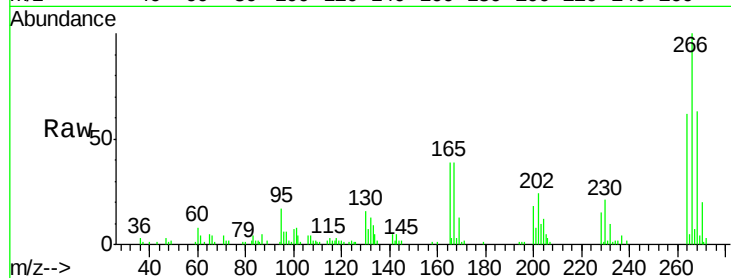




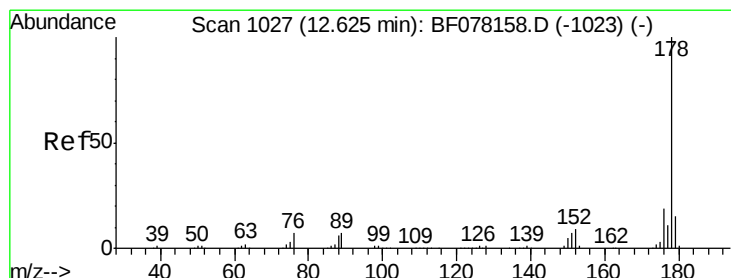
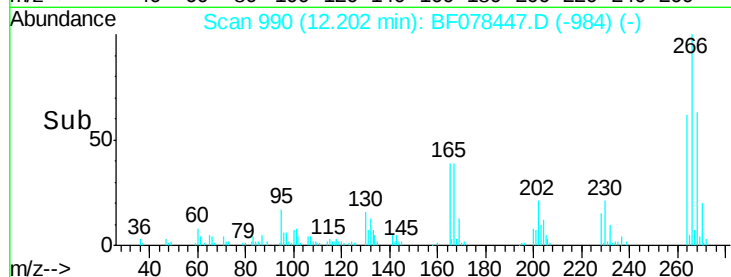
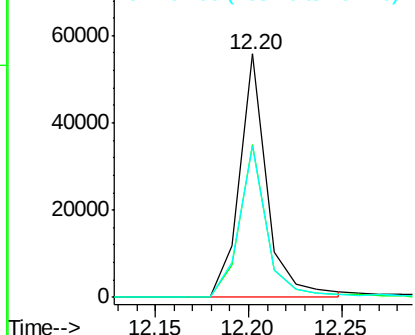
#69  
 Pentachlorophenol  
 Concen: 91.83 ng  
 RT: 12.20 min Scan# 990  
 Delta R.T. -0.03 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

Tgt Ion: 266 Resp: 57855  
 Ion Ratio Lower Upper  
 266 100  
 268 62.8 50.1 75.1  
 264 62.1 50.0 75.0

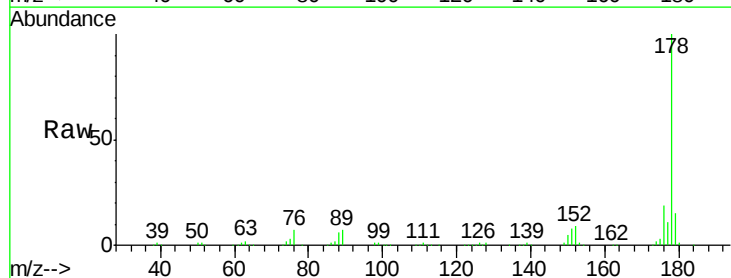


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

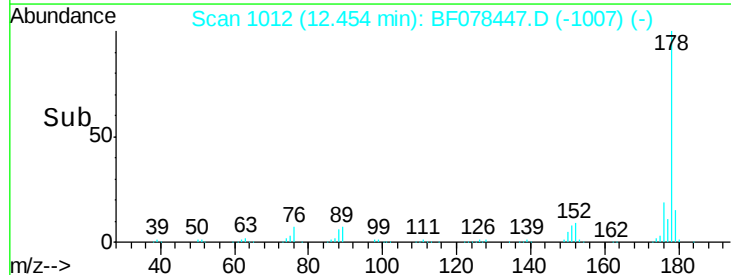
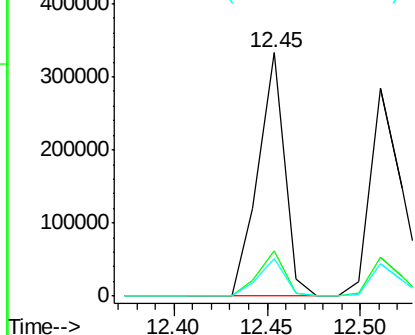


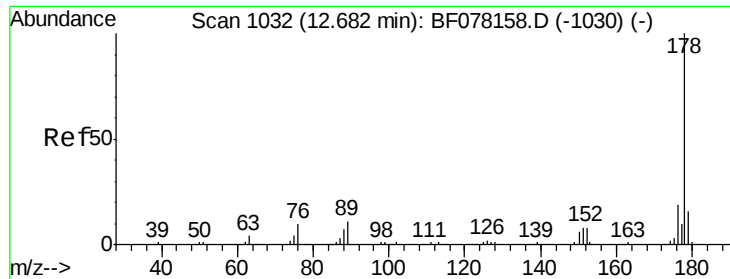
#70  
 Phenanthrene  
 Concen: 46.92 ng  
 RT: 12.45 min Scan# 1012  
 Delta R.T. -0.05 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion: 178 Resp: 327744  
 Ion Ratio Lower Upper  
 178 100  
 176 18.8 15.4 23.0  
 179 15.4 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

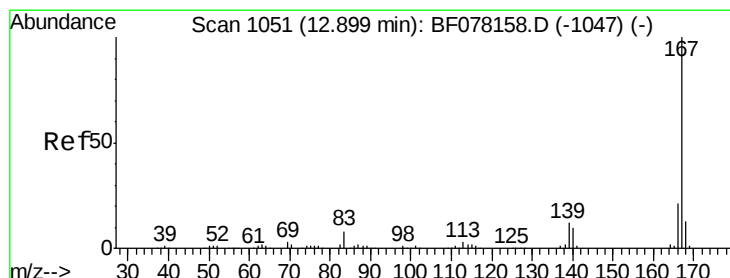
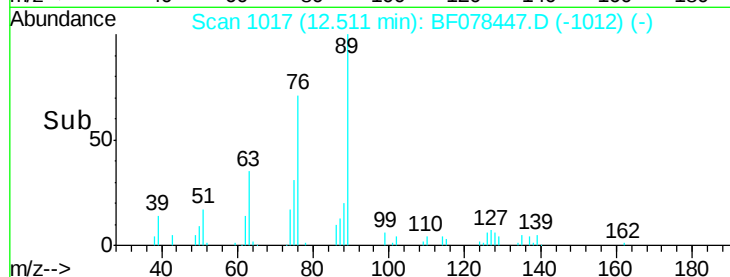
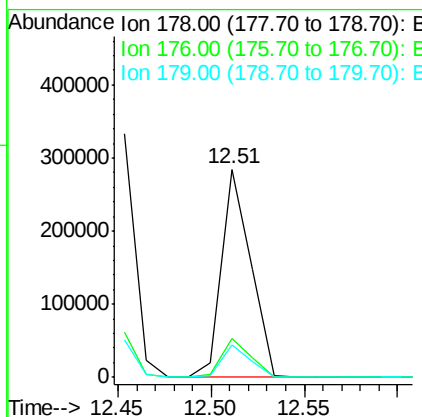
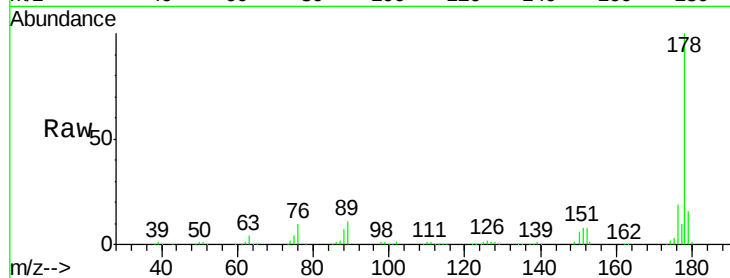




#71  
 Anthracene  
 Concen: 45.34 ng  
 RT: 12.51 min Scan# 1017  
 Delta R.T. -0.05 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

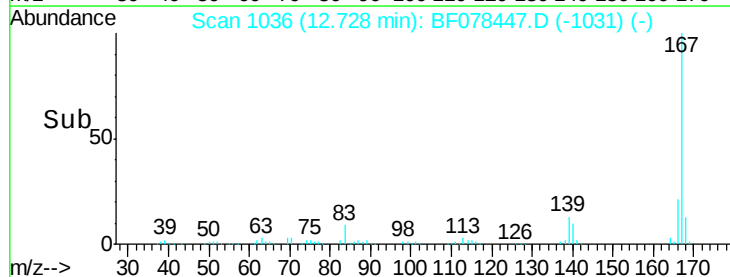
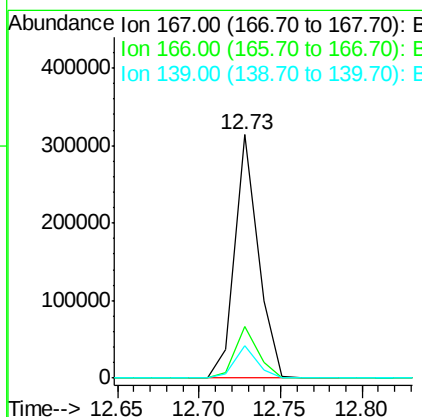
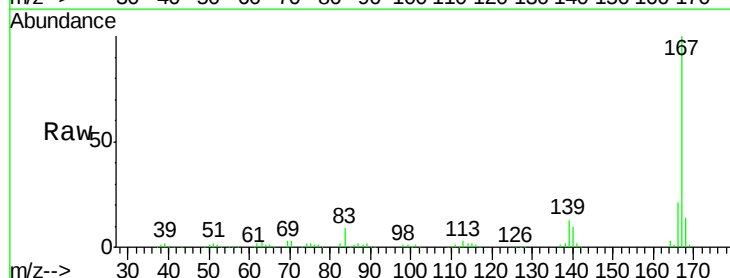
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

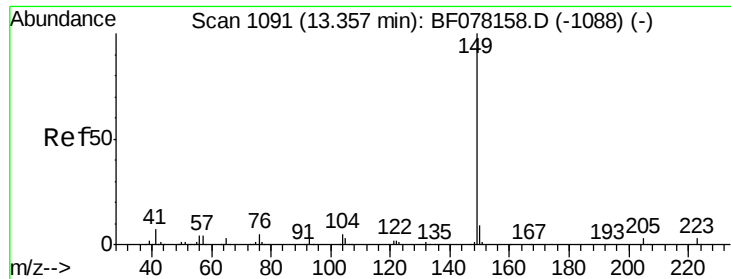
Tgt Ion:178 Resp: 312050  
 Ion Ratio Lower Upper  
 178 100  
 176 18.8 14.8 22.2  
 179 15.8 12.4 18.6



#72  
 Carbazole  
 Concen: 48.26 ng  
 RT: 12.73 min Scan# 1036  
 Delta R.T. -0.05 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion:167 Resp: 311281  
 Ion Ratio Lower Upper  
 167 100  
 166 21.3 16.8 25.2  
 139 13.3 10.0 15.0

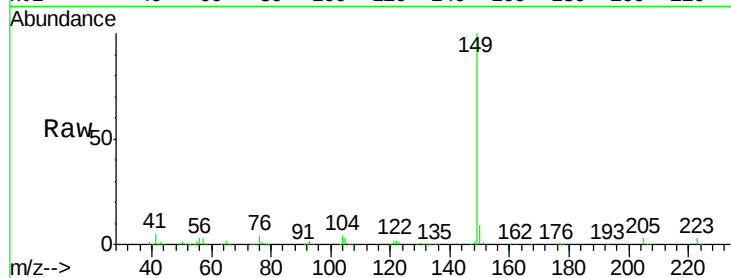




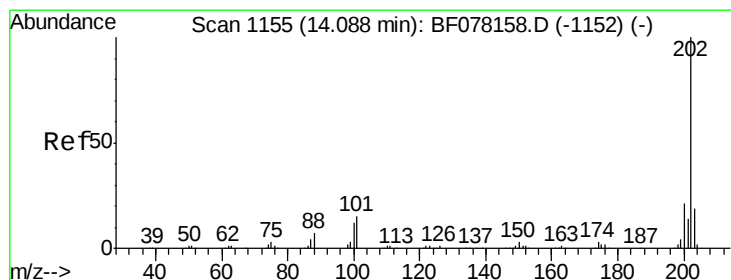
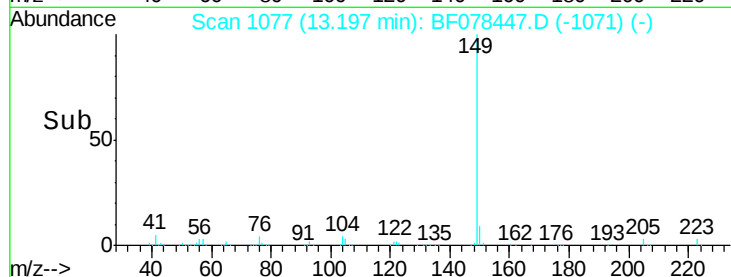
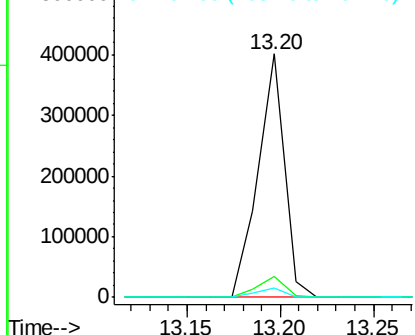
#73  
Di-n-butylphthalate  
Concen: 53.64 ng  
RT: 13.20 min Scan# 1077  
Delta R.T. -0.03 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01AMS

Tgt Ion:149 Resp: 391965  
Ion Ratio Lower Upper  
149 100  
150 8.8 7.1 10.7  
104 4.1 3.8 5.6

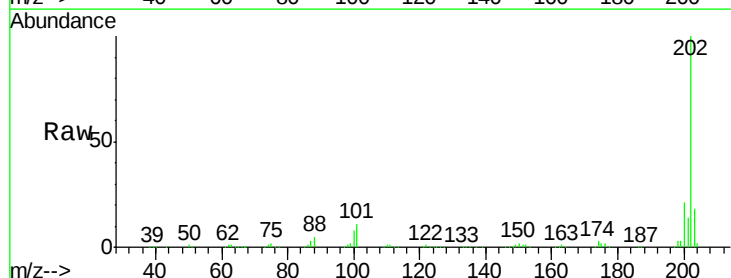


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E

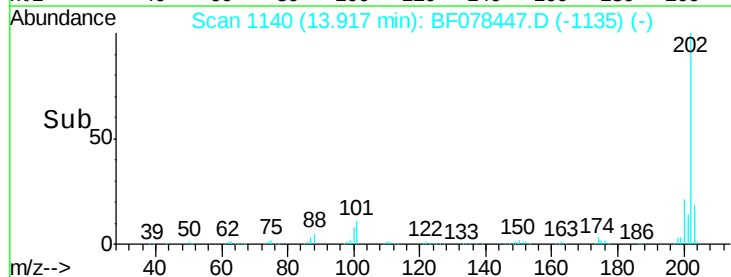
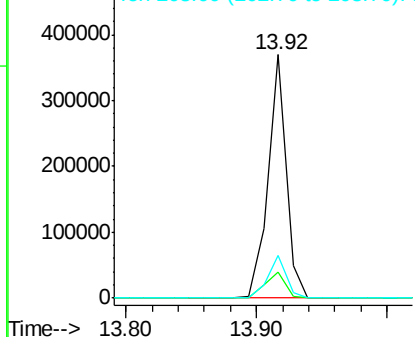


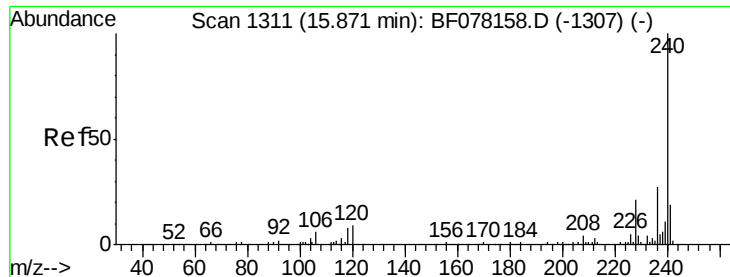
#74  
Fluoranthene  
Concen: 49.28 ng  
RT: 13.92 min Scan# 1140  
Delta R.T. -0.05 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Tgt Ion:202 Resp: 363060  
Ion Ratio Lower Upper  
202 100  
101 10.8 0.0 35.2  
203 17.6 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.69 min Scan# 1295

Delta R.T. -0.06 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

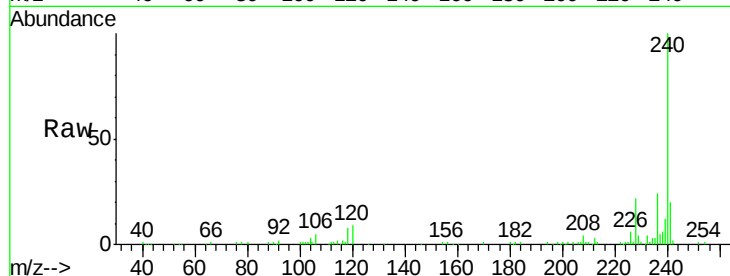
Tgt Ion:240 Resp: 130080

Ion Ratio Lower Upper

240 100

120 9.1 7.1 10.7

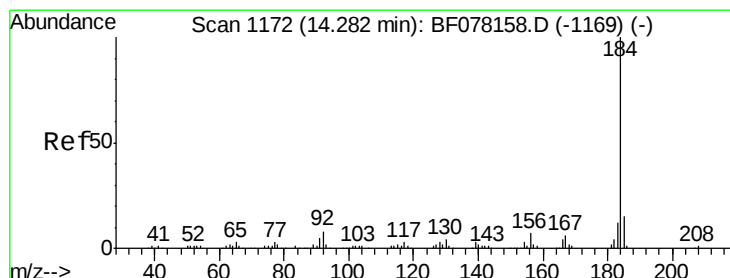
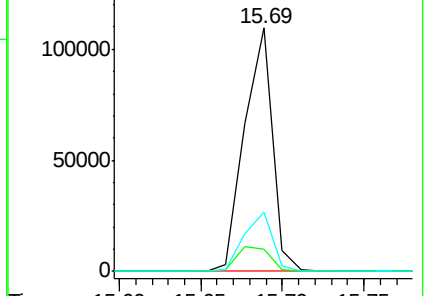
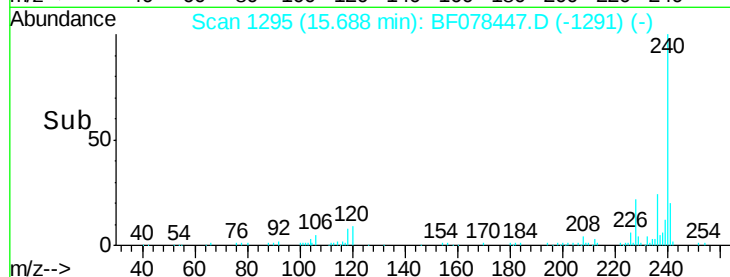
236 24.4 21.4 32.2



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: 21.33 ng

RT: 14.11 min Scan# 1157

Delta R.T. -0.05 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

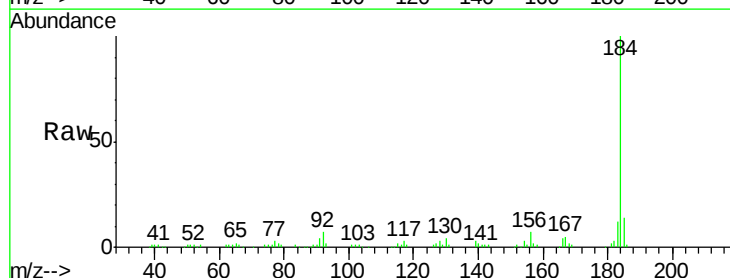
Tgt Ion:184 Resp: 106859

Ion Ratio Lower Upper

184 100

185 13.6 12.2 18.2

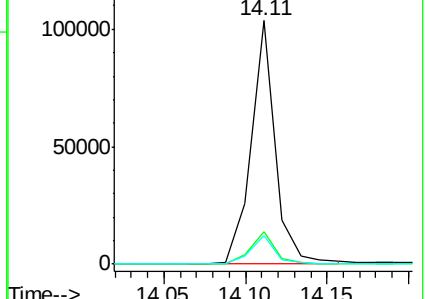
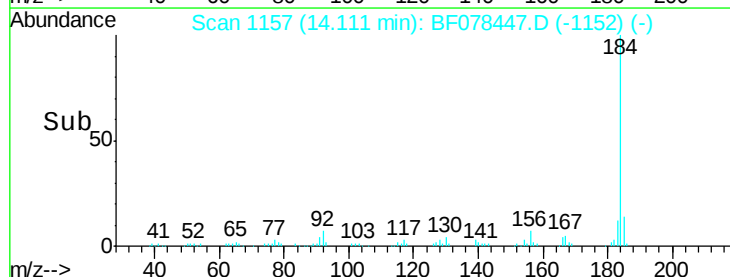
183 11.5 9.5 14.3

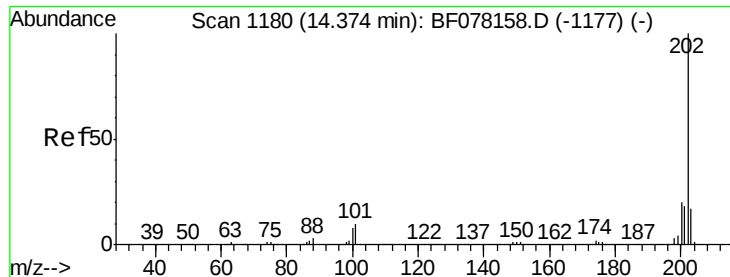


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

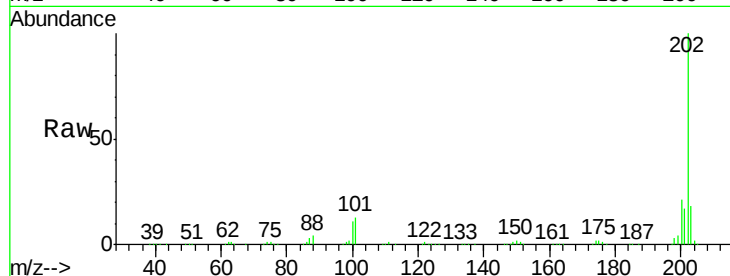




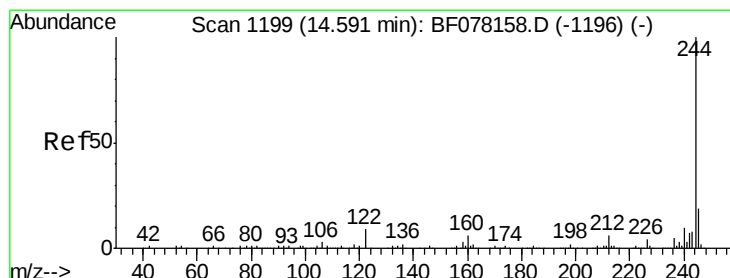
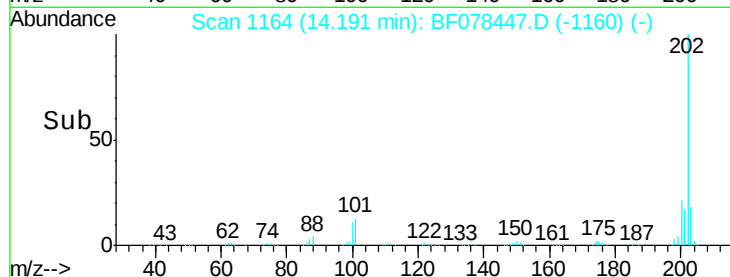
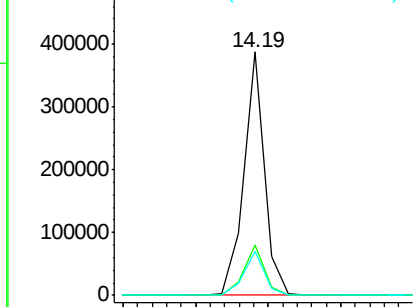
#77  
 Pyrene  
 Concen: 46.40 ng  
 RT: 14.19 min Scan# 1164  
 Delta R.T. -0.06 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

Tgt Ion: 202 Resp: 378882  
 Ion Ratio Lower Upper  
 202 100  
 200 20.8 16.3 24.5  
 203 18.1 13.8 20.6

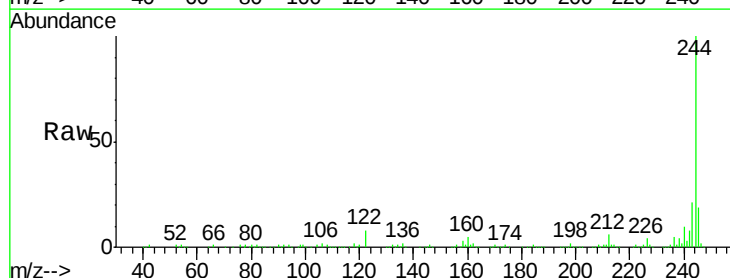


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

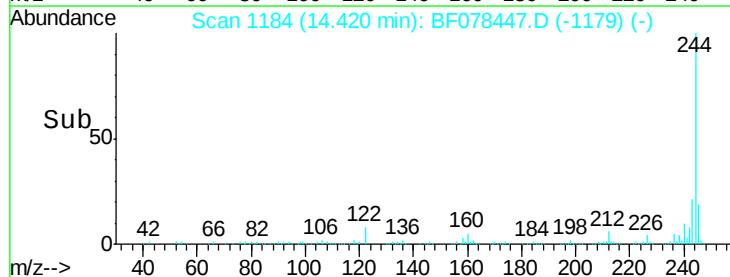
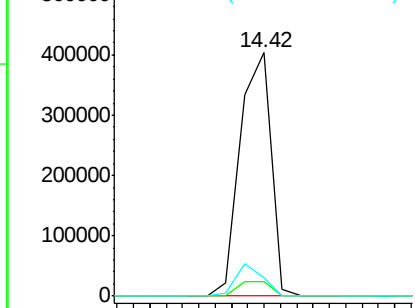


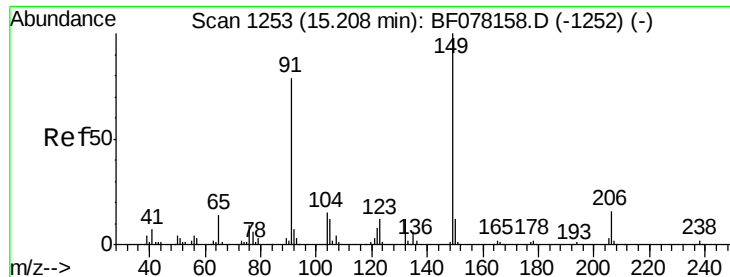
#78  
 Terphenyl-d14  
 Concen: 91.92 ng  
 RT: 14.42 min Scan# 1184  
 Delta R.T. -0.05 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion: 244 Resp: 529136  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.0 7.4  
 122 7.6 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

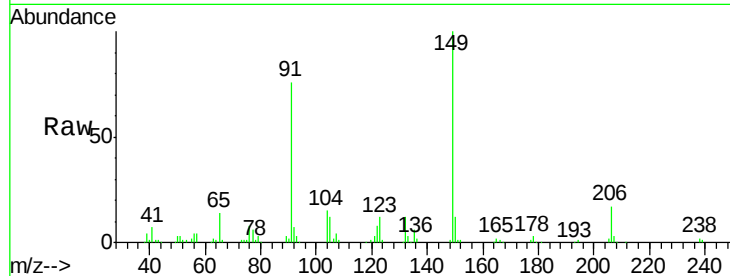




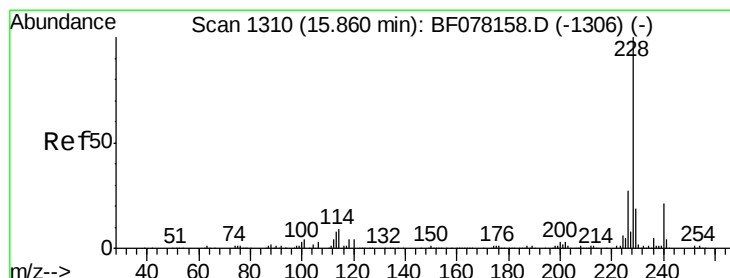
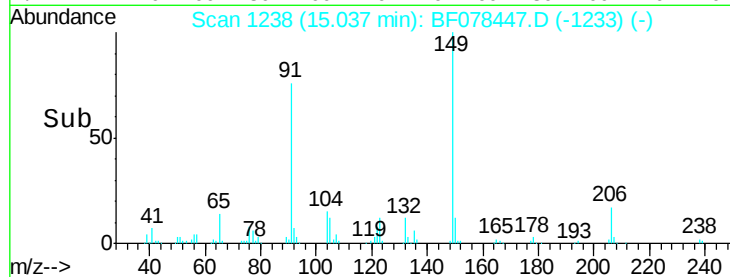
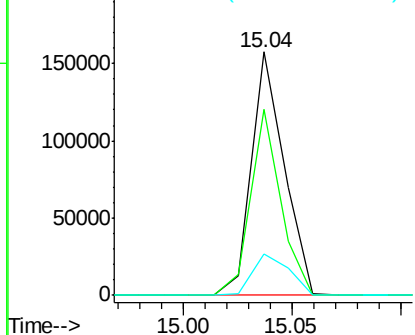
#79  
Butylbenzylphthalate  
Concen: 53.18 ng  
RT: 15.04 min Scan# 1238  
Delta R.T. -0.05 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01AMS

Tgt Ion:149 Resp: 165524  
Ion Ratio Lower Upper  
149 100  
91 76.4 64.2 96.2  
206 16.8 12.6 18.8

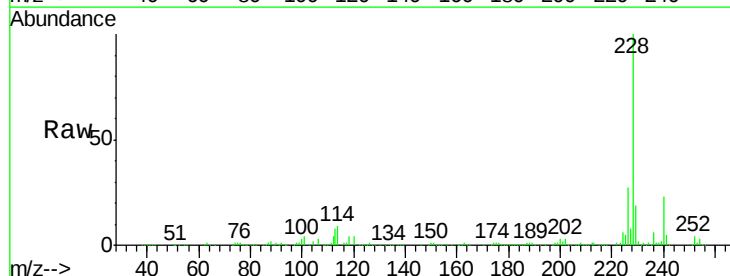


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

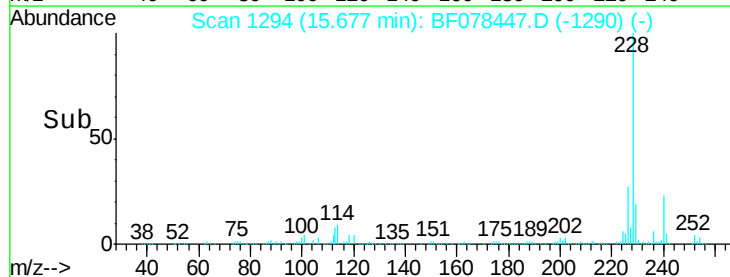
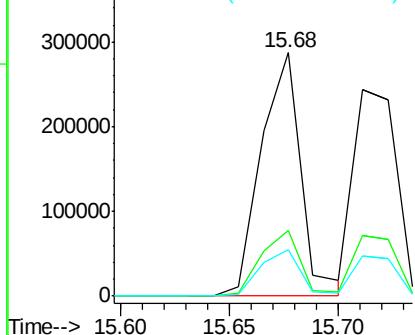


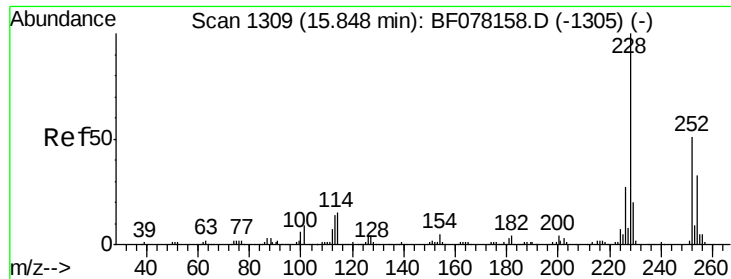
#80  
Benzo(a)anthracene  
Concen: 47.64 ng  
RT: 15.68 min Scan# 1294  
Delta R.T. -0.06 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Tgt Ion:228 Resp: 368712  
Ion Ratio Lower Upper  
228 100  
226 26.8 21.3 31.9  
229 19.3 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

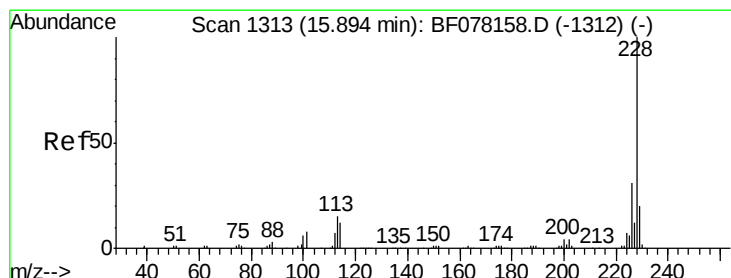
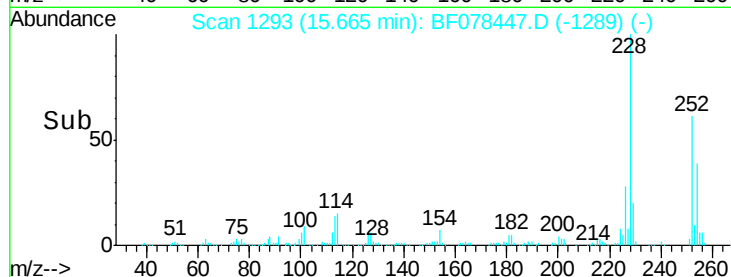
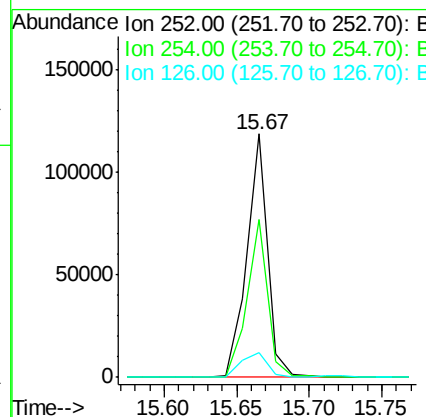
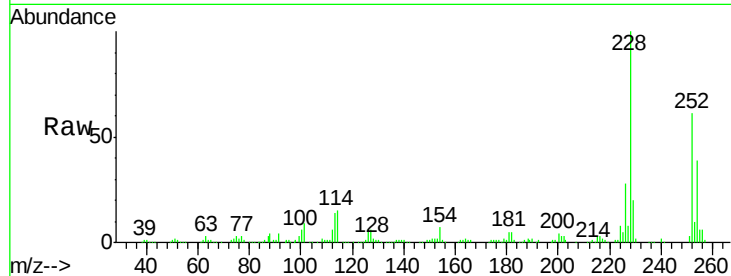




#81  
 3,3'-Dichlorobenzidine  
 Concen: 45.45 ng  
 RT: 15.67 min Scan# 1293  
 Delta R.T. -0.06 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

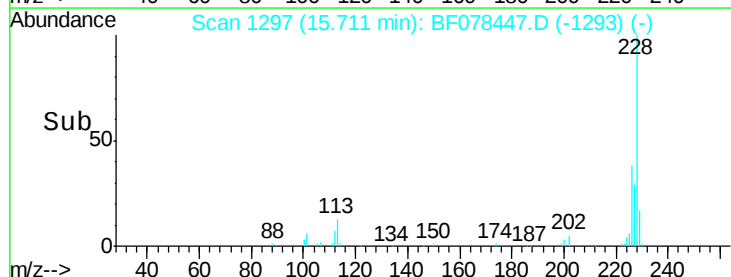
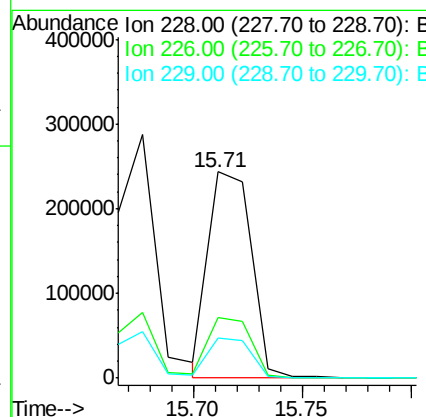
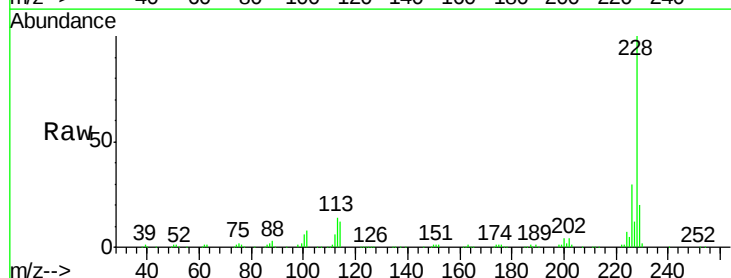
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

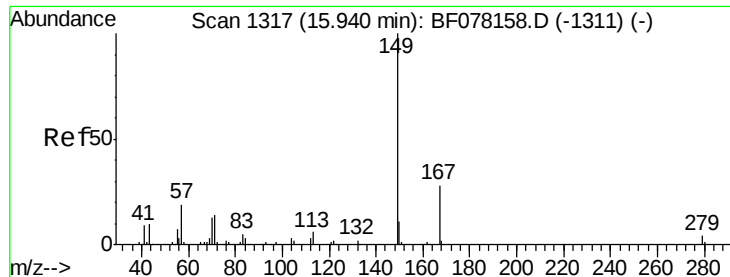
Tgt Ion: 252 Resp: 117806  
 Ion Ratio Lower Upper  
 252 100  
 254 65.0 51.2 76.8  
 126 10.2 6.3 9.5#



#82  
 Chrysene  
 Concen: 45.89 ng  
 RT: 15.71 min Scan# 1297  
 Delta R.T. -0.06 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion: 228 Resp: 333663  
 Ion Ratio Lower Upper  
 228 100  
 226 29.5 24.2 36.4  
 229 19.6 15.8 23.8

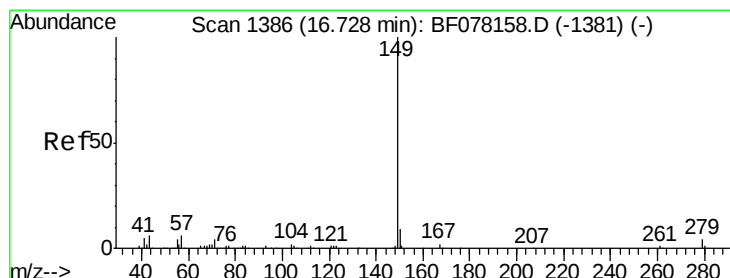
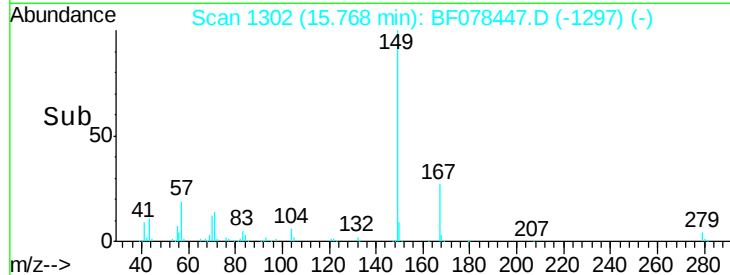
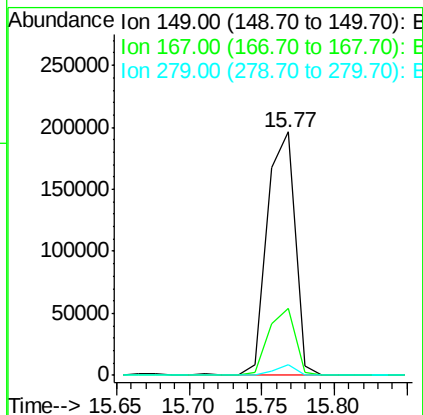
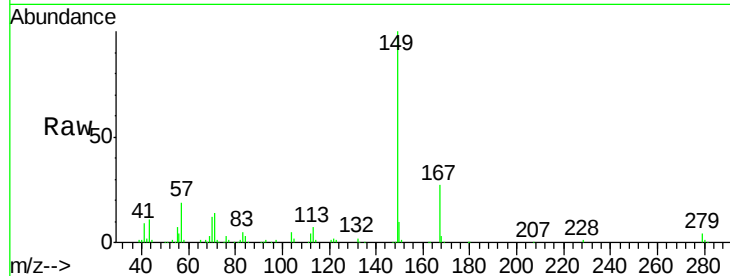




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 53.66 ng  
 RT: 15.77 min Scan# 1302  
 Delta R.T. -0.05 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

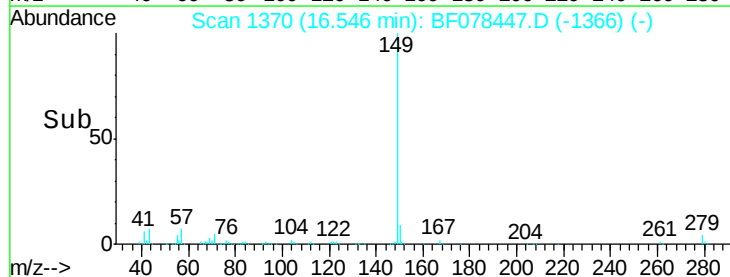
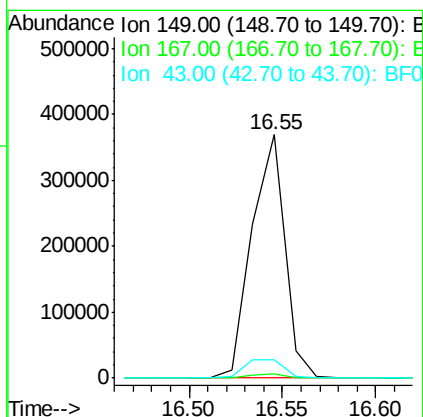
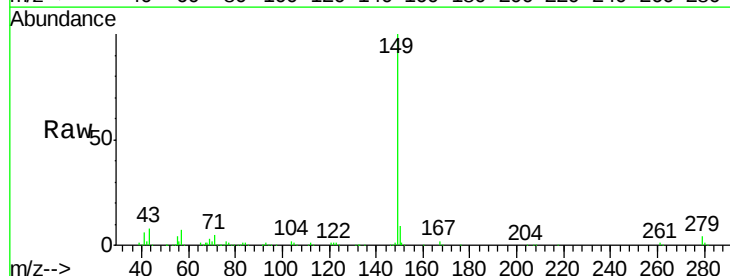
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

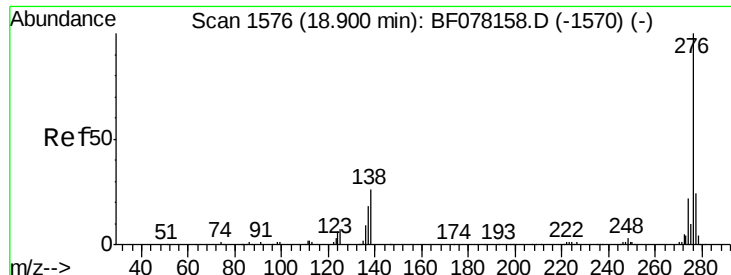
Tgt Ion:149 Resp: 261938  
 Ion Ratio Lower Upper  
 149 100  
 167 27.3 22.2 33.2  
 279 4.2 3.2 4.8



#84  
 Di-n-octyl phthalate  
 Concen: 56.57 ng  
 RT: 16.55 min Scan# 1370  
 Delta R.T. -0.06 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion:149 Resp: 453408  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 0.0 0.0#  
 43 9.2 0.0 0.0#

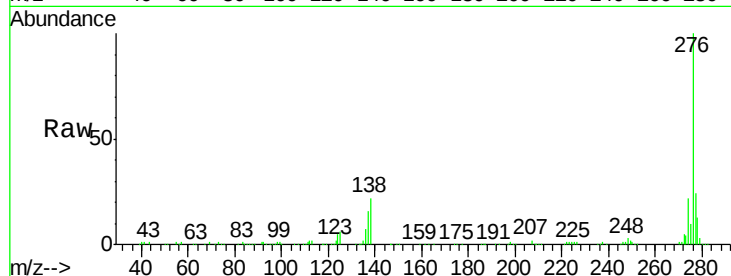




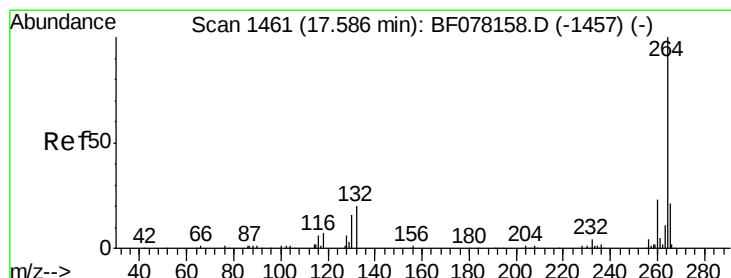
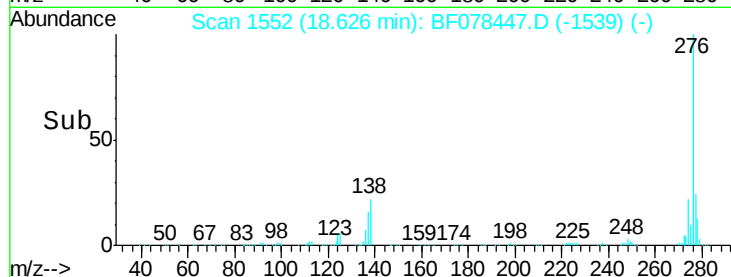
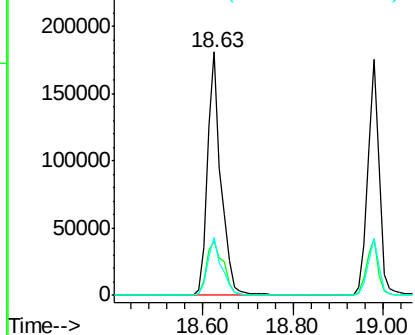
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 45.70 ng  
 RT: 18.63 min Scan# 1552  
 Delta R.T. -0.15 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01AMS

Tgt Ion: 276 Resp: 377120  
 Ion Ratio Lower Upper  
 276 100  
 138 28.1 16.9 25.3#  
 277 24.8 15.8 23.6#

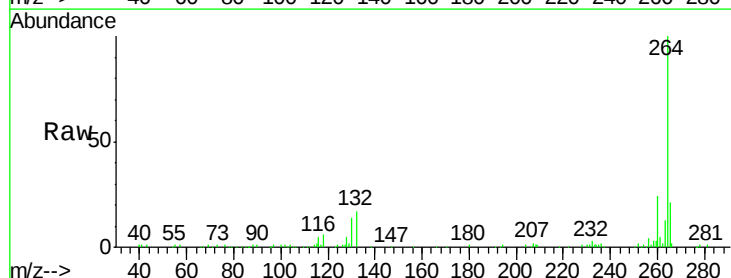


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

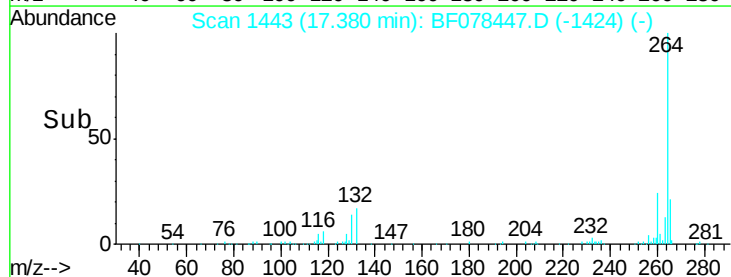
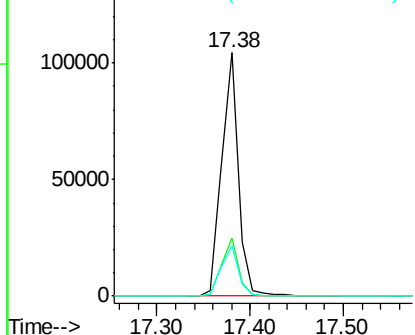


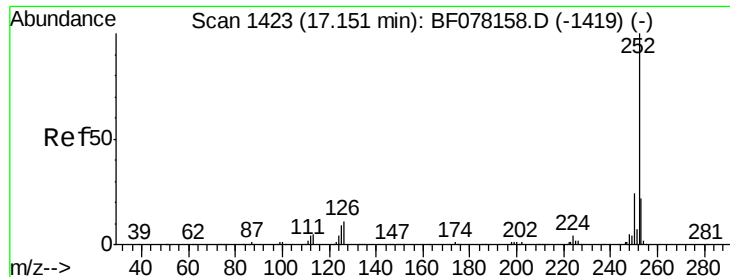
#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.38 min Scan# 1443  
 Delta R.T. -0.08 min  
 Lab File: BF078447.D  
 Acq: 11 Apr 2015 19:12

Tgt Ion: 264 Resp: 128873  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 18.6 27.8  
 265 20.7 17.0 25.6



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

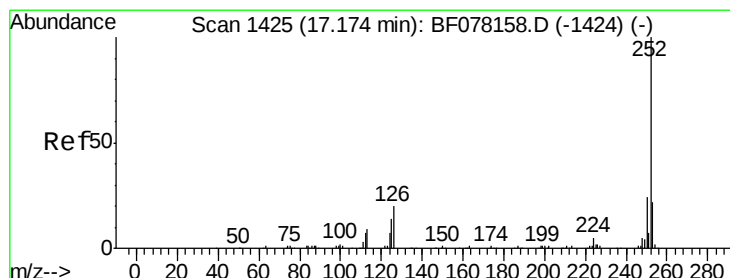
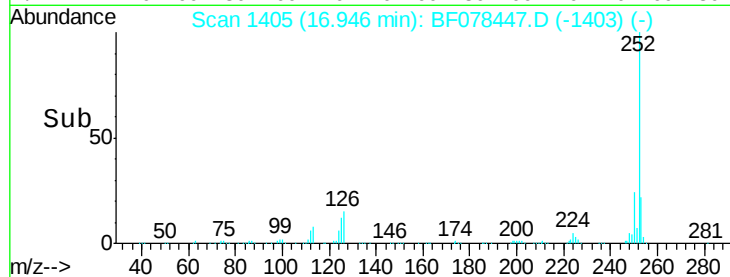
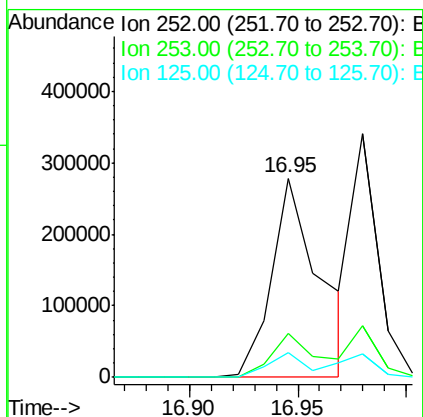
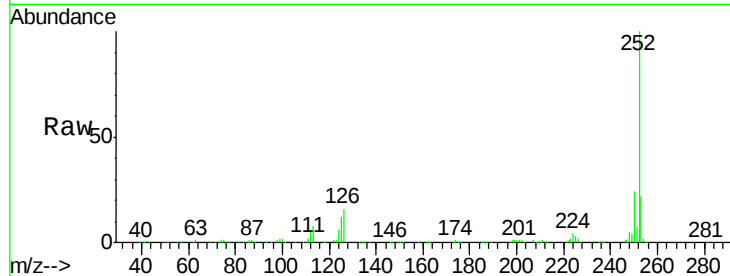




#87  
Benzo(b)fluoranthene  
Concen: 54.03 ng  
RT: 16.95 min Scan# 1405  
Delta R.T. -0.08 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

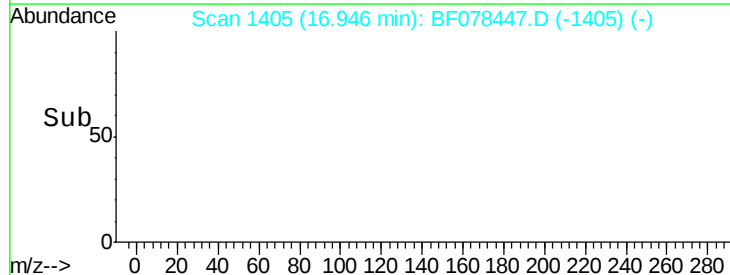
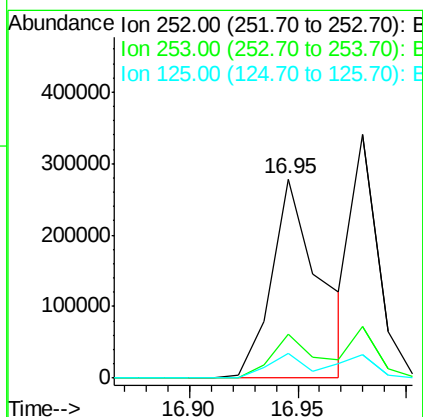
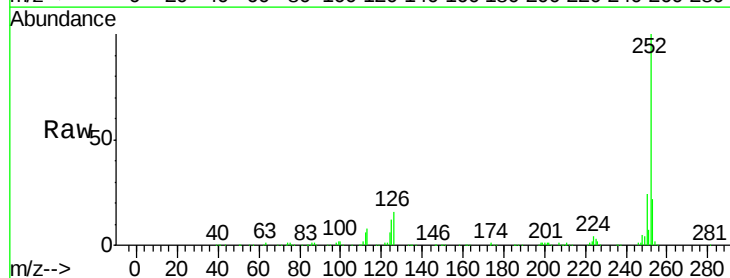
Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01AMS

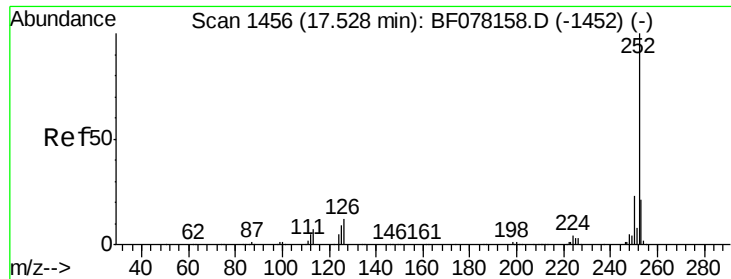
Tgt Ion:252 Resp: 430303  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.2 25.8  
125 12.2 7.0 10.4#



#88  
Benzo(k)fluoranthene  
Concen: 60.79 ng  
RT: 16.95 min Scan# 1405  
Delta R.T. -0.10 min  
Lab File: BF078447.D  
Acq: 11 Apr 2015 19:12

Tgt Ion:252 Resp: 430303  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.5 26.3  
125 12.2 11.6 17.4





#89

Benzo(a)pyrene

Concen: 50.51 ng

RT: 17.32 min Scan# 1438

Delta R.T. -0.08 min

Lab File: BF078447.D

Acq: 11 Apr 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

LS-SD01AMS

Tgt Ion: 252 Resp: 351128

Ion Ratio Lower Upper

252 100

253 21.0 16.8 25.2

125 8.2 7.4 11.0

