

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041816\  
 Data File : BF086294.D  
 Acq On : 18 Apr 2016 21:03  
 Operator : UM/SJ  
 Sample : H2413-11MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

Quant Time: Apr 19 00:54:51 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF041516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 15 15:56:31 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 297637   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.18  | 136  | 1169455  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.93  | 164  | 468175   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.41 | 188  | 724220   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.05 | 240  | 432173   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.48 | 264  | 420775   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.49  | 112 | 1895236 | 104.33 | ng | 0.01  |
| 7) Phenol-d6             | 6.52  | 99  | 2314191 | 101.85 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.46  | 82  | 1632196 | 80.50  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 376402  | 100.12 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 9.25  | 172 | 1820989 | 71.77  | ng | -0.01 |
| 78) Terphenyl-d14        | 13.00 | 244 | 1381670 | 80.39  | ng | 0.00  |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.59 | 88  | 324170  | 32.36 | ng | 97     |
| 3) Pyridine                    | 3.32 | 79  | 980183  | 37.52 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.26 | 42  | 387273  | 41.03 | ng | # 73   |
| 6) Aniline                     | 6.56 | 93  | 636779  | 19.44 | ng | 95     |
| 8) 2-Chlorophenol              | 6.67 | 128 | 721803  | 35.12 | ng | 98     |
| 9) Benzaldehyde                | 6.43 | 77  | 262975  | 16.31 | ng | 89     |
| 10) Phenol                     | 6.53 | 94  | 803819  | 29.71 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 737166  | 36.21 | ng | 84     |
| 12) 1,3-Dichlorobenzene        | 6.83 | 146 | 775570  | 35.57 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 6.91 | 146 | 812383  | 39.11 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 6.91 | 146 | 812383  | 44.06 | ng | 99     |
| 15) Benzyl Alcohol             | 7.04 | 79  | 671723  | 41.67 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45  | 1169460 | 36.87 | ng | 99     |
| 17) 2-Methylphenol             | 7.15 | 107 | 696843  | 40.70 | ng | 94     |
| 18) Hexachloroethane           | 7.40 | 117 | 245104  | 31.28 | ng | # 86   |
| 19) n-Nitroso-di-n-propylamine | 7.31 | 70  | 536828  | 36.92 | ng | # 90   |
| 20) 3+4-Methylphenols          | 7.30 | 107 | 646177  | 33.69 | ng | # 86   |
| 22) Acetophenone               | 7.30 | 105 | 891397  | 39.80 | ng | # 83   |
| 24) Nitrobenzene               | 7.47 | 77  | 780508  | 35.21 | ng | 92     |
| 25) Isophorone                 | 7.72 | 82  | 1553333 | 38.61 | ng | 95     |
| 26) 2-Nitrophenol              | 7.79 | 139 | 356124  | 36.84 | ng | # 85   |
| 27) 2,4-Dimethylphenol         | 7.84 | 122 | 725237  | 37.15 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.93 | 93  | 953629  | 40.32 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.03 | 162 | 574432  | 38.71 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.12 | 180 | 613765  | 39.52 | ng | 98     |
| 31) Naphthalene                | 8.20 | 128 | 2133673 | 40.86 | ng | 99     |
| 32) Benzoic acid               | 7.89 | 122 | 50970   | 4.08  | ng | 97     |
| 33) 4-Chloroaniline            | 8.25 | 127 | 344634  | 14.76 | ng | # 92   |
| 34) Hexachlorobutadiene        | 8.32 | 225 | 281471  | 36.17 | ng | 98     |
| 35) Caprolactam                | 8.61 | 113 | 216506  | 40.29 | ng | # 70   |
| 36) 4-Chloro-3-methylphenol    | 8.73 | 107 | 626320  | 36.42 | ng | 95     |
| 37) 2-Methylnaphthalene        | 8.89 | 142 | 1222550 | 36.21 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 489403  | 50.49 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.05 | 237 | 176901  | 32.05 | ng | 98     |

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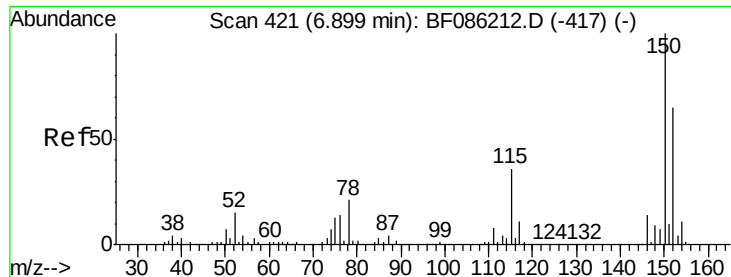
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

Quant Time: Apr 19 00:54:51 2016  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.17  | 196  | 381683   | 41.38 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.21  | 196  | 360970   | 40.52 | ng #  | 90       |
| 45) 1,1'-Biphenyl              | 9.36  | 154  | 1426577  | 42.33 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.38  | 162  | 1094181  | 39.76 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.47  | 65   | 405463   | 45.49 | ng    | 93       |
| 48) Acenaphthylene             | 9.79  | 152  | 1673117  | 38.21 | ng    | 99       |
| 49) Dimethylphthalate          | 9.65  | 163  | 1604247  | 47.13 | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.71  | 165  | 265418   | 35.24 | ng #  | 62       |
| 51) Acenaphthene               | 9.96  | 154  | 973919   | 37.24 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.88  | 138  | 322921   | 35.28 | ng    | 87       |
| 53) 2,4-Dinitrophenol          | 9.98  | 184  | 43508    | 19.07 | ng #  | 69       |
| 54) Dibenzofuran               | 10.13 | 168  | 1396282  | 40.42 | ng    | 92       |
| 55) 4-Nitrophenol              | 10.04 | 139  | 533538   | 74.51 | ng #  | 82       |
| 56) 2,4-Dinitrotoluene         | 10.11 | 165  | 334442   | 34.68 | ng #  | 59       |
| 57) Fluorene                   | 10.48 | 166  | 883570   | 36.76 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 250475   | 38.71 | ng #  | 96       |
| 59) Diethylphthalate           | 10.35 | 149  | 1350760  | 38.44 | ng    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.48 | 204  | 450610   | 46.06 | ng    | 89       |
| 61) 4-Nitroaniline             | 10.49 | 138  | 296193   | 37.44 | ng    | 91       |
| 62) Azobenzene                 | 10.64 | 77   | 1418701  | 41.27 | ng    | 88       |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 44915    | 13.03 | ng #  | 57       |
| 65) n-Nitrosodiphenylamine     | 10.59 | 169  | 959784   | 43.27 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.96 | 248  | 280085   | 41.50 | ng #  | 73       |
| 67) Hexachlorobenzene          | 11.02 | 284  | 272019   | 38.46 | ng    | 94       |
| 68) Atrazine                   | 11.12 | 200  | 263649   | 38.79 | ng    | 98       |
| 69) Pentachlorophenol          | 11.22 | 266  | 305349   | 71.19 | ng    | 99       |
| 70) Phenanthrene               | 11.44 | 178  | 1349210  | 39.00 | ng    | 100      |
| 71) Anthracene                 | 11.49 | 178  | 1492803  | 46.65 | ng    | 98       |
| 72) Carbazole                  | 11.64 | 167  | 1298135  | 39.46 | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.97 | 149  | 1837050  | 41.30 | ng    | 99       |
| 74) Fluoranthene               | 12.62 | 202  | 1441380  | 48.90 | ng    | 97       |
| 76) Benzidine                  | 12.74 | 184  | 672346   | 40.11 | ng    | 95       |
| 77) Pyrene                     | 12.85 | 202  | 1424885  | 42.98 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.47 | 149  | 673495   | 43.97 | ng #  | 78       |
| 80) Benzo(a)anthracene         | 14.04 | 228  | 1006043  | 42.41 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.00 | 252  | 323357   | 23.51 | ng    | 96       |
| 82) Chrysene                   | 14.08 | 228  | 1083951  | 42.85 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.03 | 149  | 788418   | 47.67 | ng #  | 98       |
| 84) Di-n-octyl phthalate       | 14.65 | 149  | 1628733  | 51.09 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.89 | 276  | 913821   | 43.95 | ng    | 96       |
| 87) Benzo(b)fluoranthene       | 15.07 | 252  | 1923587  | 74.10 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 15.07 | 252  | 1923587  | 81.27 | ng #  | 98       |
| 89) Benzo(a)pyrene             | 15.43 | 252  | 914066   | 40.65 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.91 | 278  | 767219   | 38.61 | ng    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.32 | 276  | 763842   | 36.15 | ng    | 98       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

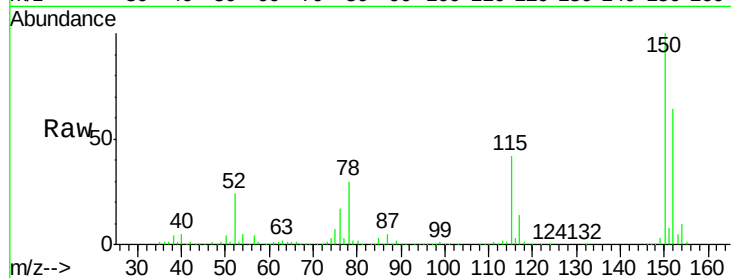
Tgt Ion:152 Resp: 297637

Ion Ratio Lower Upper

152 100

150 155.5 124.1 186.1

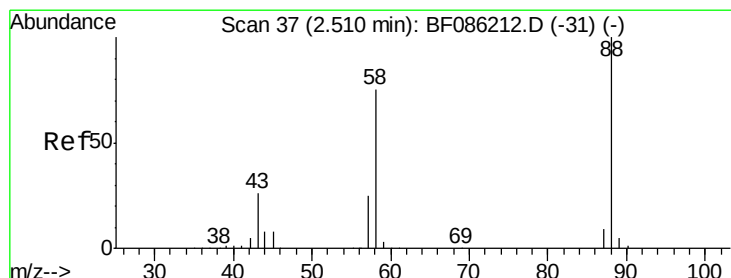
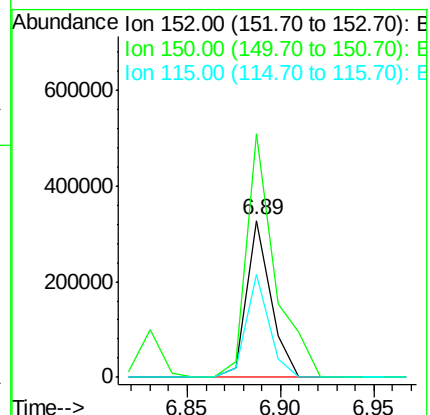
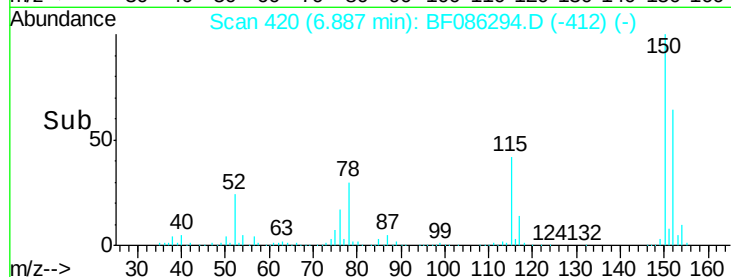
115 65.5 43.9 65.9



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: 32.36 ng

RT: 2.59 min Scan# 44

Delta R.T. 0.08 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

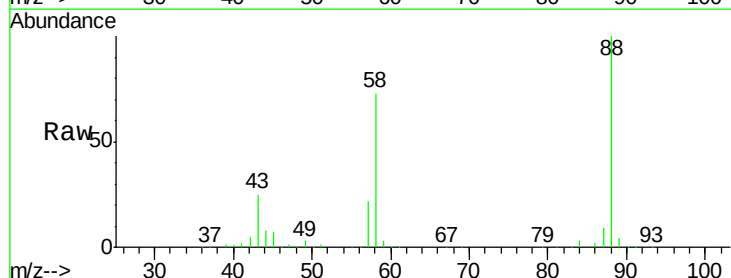
Tgt Ion: 88 Resp: 324170

Ion Ratio Lower Upper

88 100

58 73.8 58.4 87.6

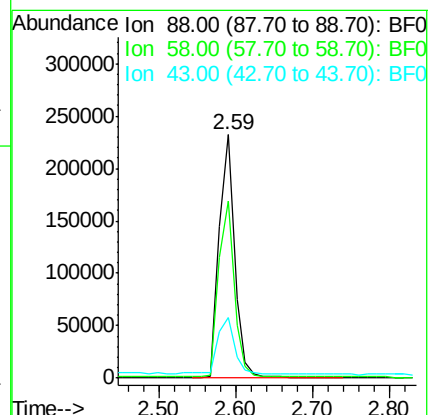
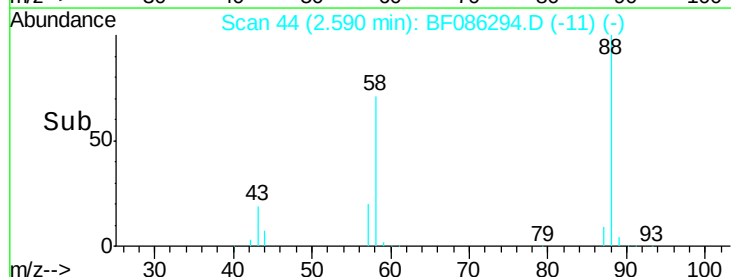
43 25.5 23.3 34.9

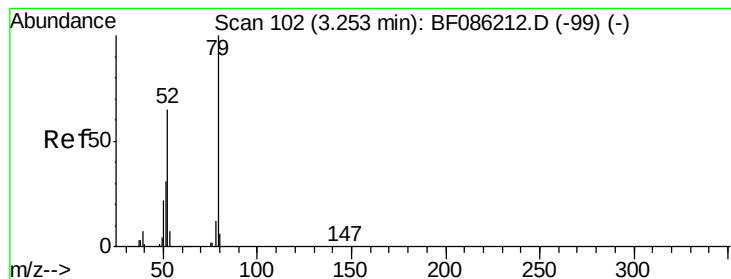


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 37.52 ng

RT: 3.32 min Scan# 108

Delta R.T. 0.07 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

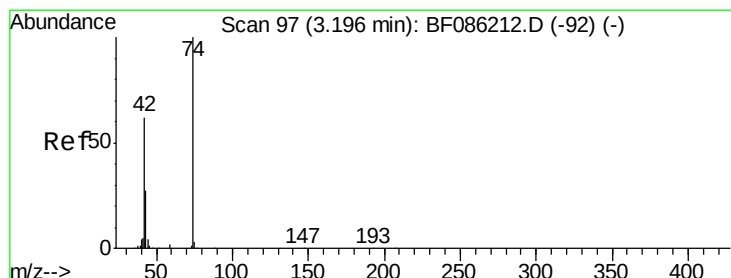
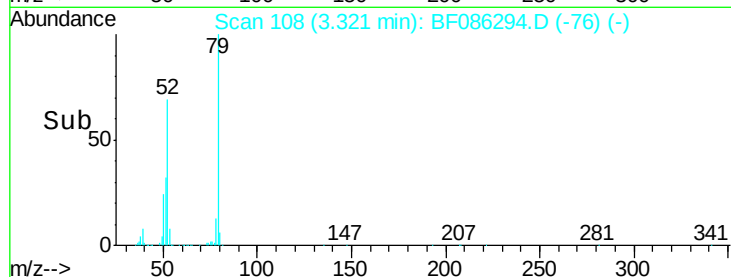
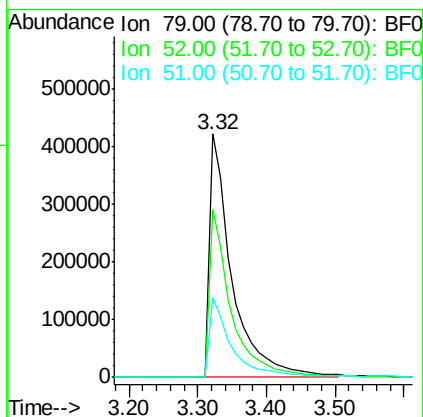
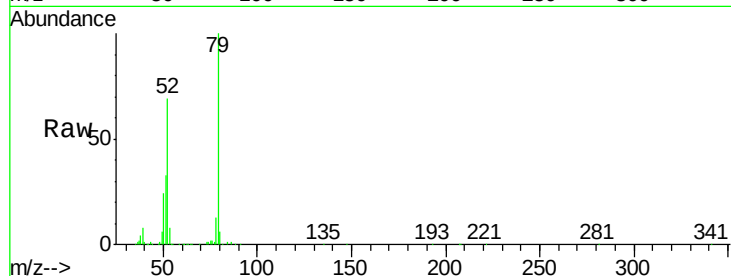
Tgt Ion: 79 Resp: 980183

Ion Ratio Lower Upper

79 100

52 69.2 55.4 83.2

51 32.5 28.1 42.1



#4

n-Nitrosodimethylamine

Concen: 41.03 ng

RT: 3.26 min Scan# 103

Delta R.T. 0.07 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

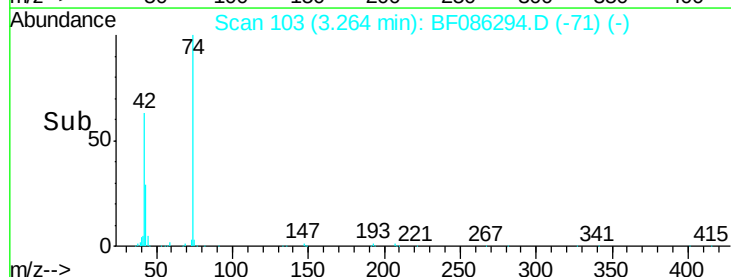
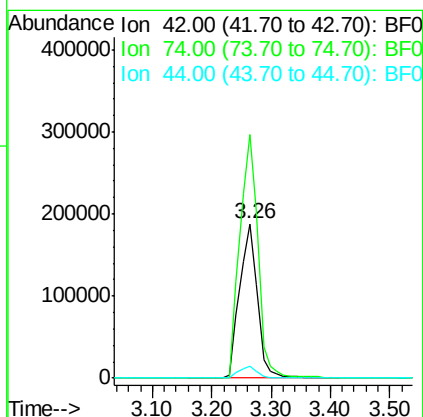
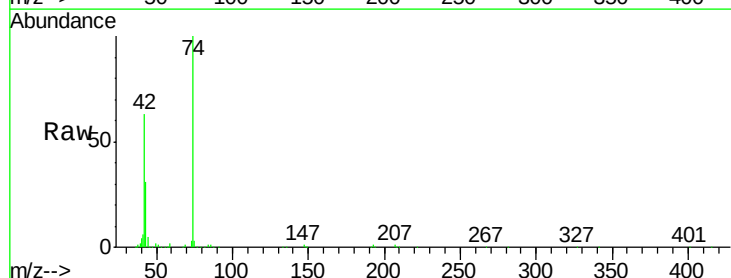
Tgt Ion: 42 Resp: 387273

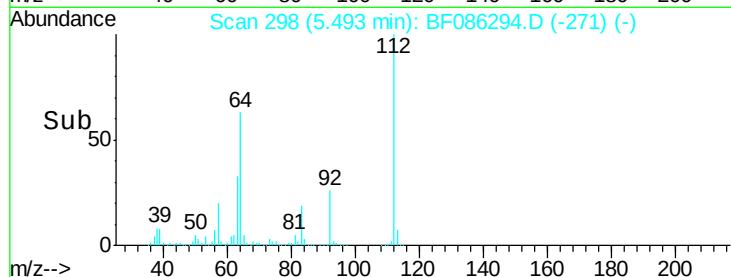
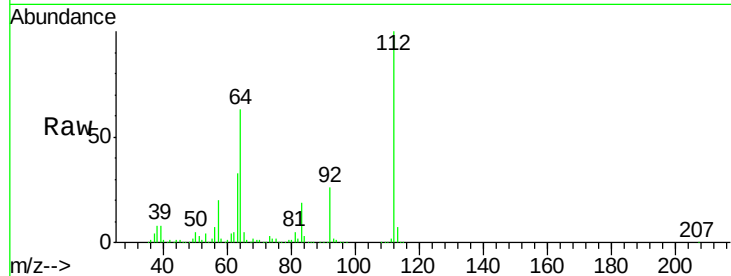
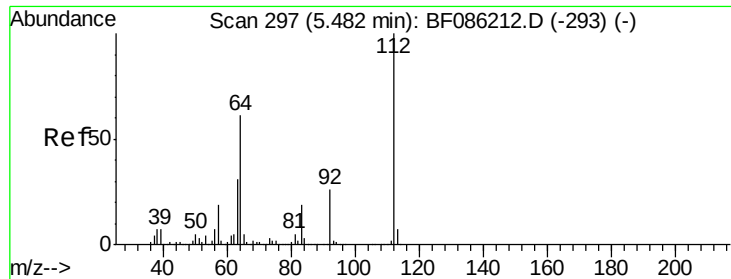
Ion Ratio Lower Upper

42 100

74 157.8 100.5 150.7#

44 7.8 5.4 8.0

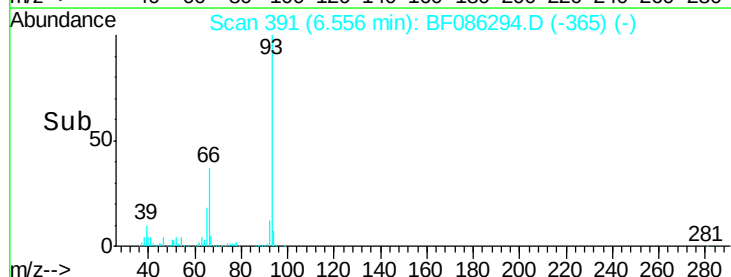
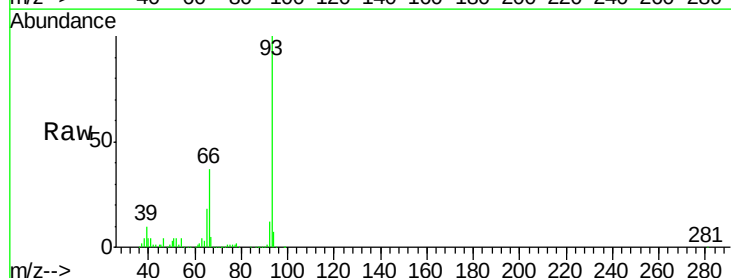
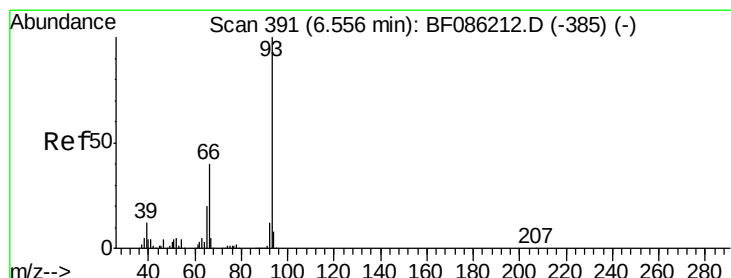
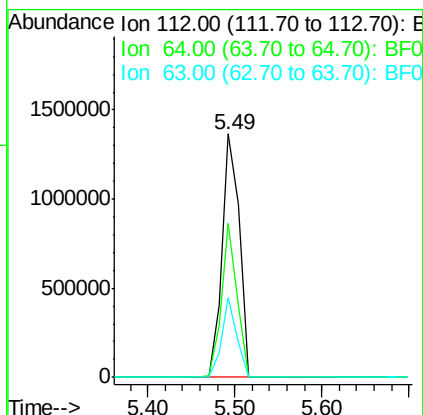




#5  
2-Fluorophenol  
Concen: 104.33 ng  
RT: 5.49 min Scan# 298  
Delta R.T. 0.01 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

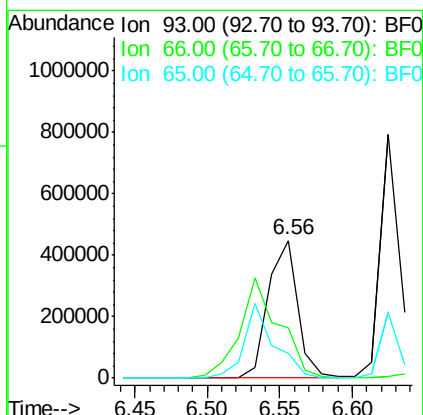
Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-A(0-2)MSD

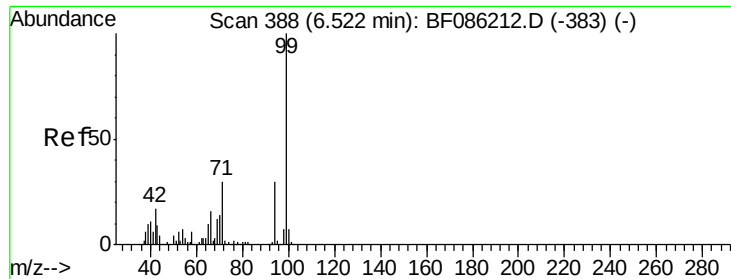
Tgt Ion: 112 Resp: 1895236  
Ion Ratio Lower Upper  
112 100  
64 63.1 48.1 72.1  
63 32.5 25.5 38.3



#6  
Aniline  
Concen: 19.44 ng  
RT: 6.56 min Scan# 391  
Delta R.T. -0.00 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

Tgt Ion: 93 Resp: 636779  
Ion Ratio Lower Upper  
93 100  
66 36.8 32.2 48.2  
65 18.1 16.4 24.6





#7

Phenol-d6

Concen: 101.85 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

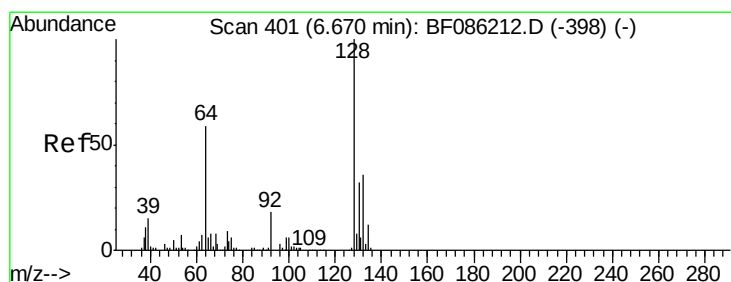
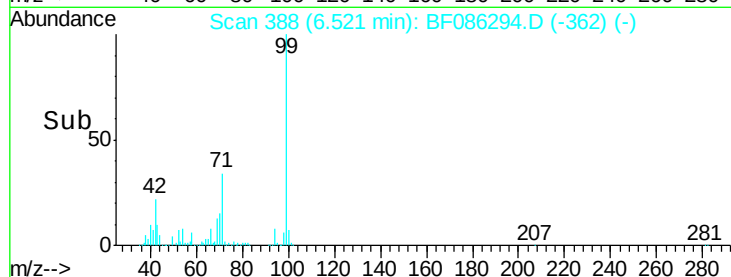
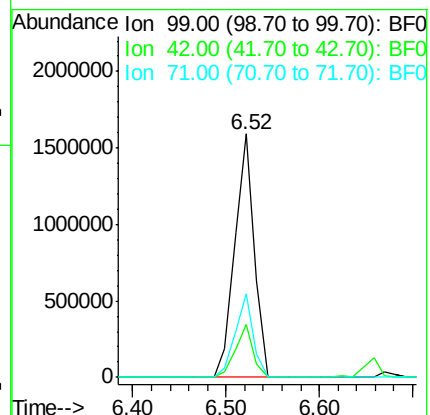
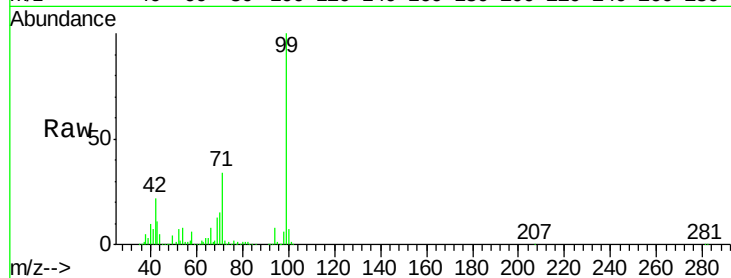
Tgt Ion: 99 Resp: 2314191

Ion Ratio Lower Upper

99 100

42 21.6 15.4 23.2

71 34.1 25.6 38.4



#8

2-Chlorophenol

Concen: 35.12 ng

RT: 6.67 min Scan# 401

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

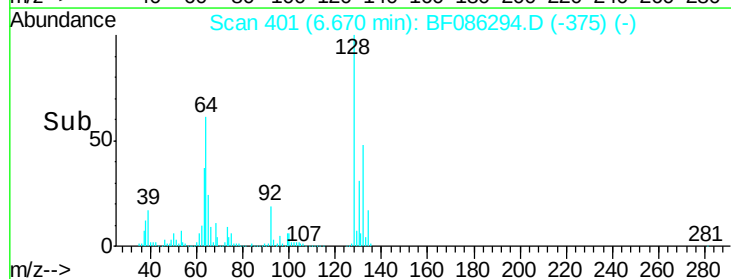
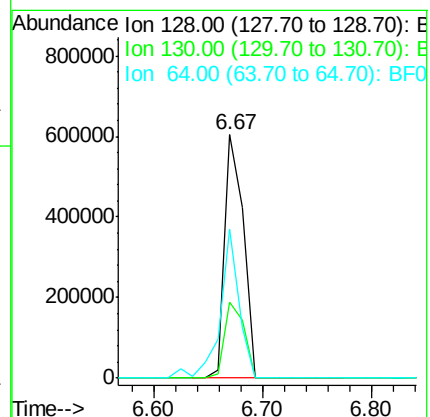
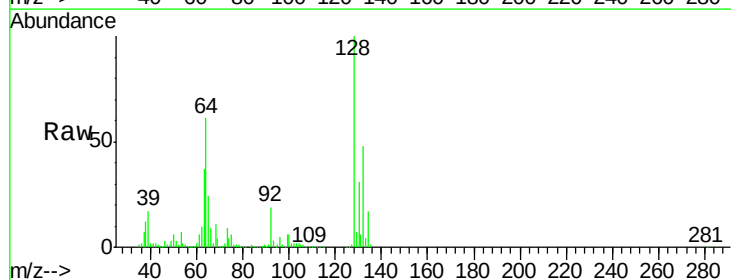
Tgt Ion: 128 Resp: 721803

Ion Ratio Lower Upper

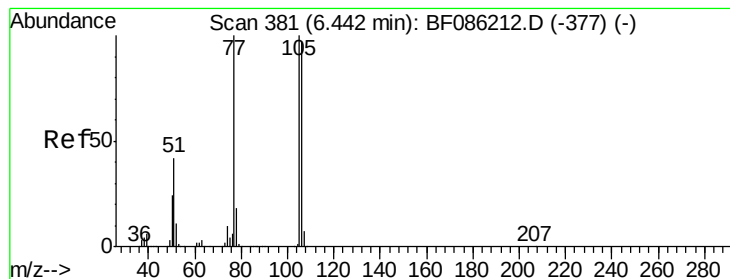
128 100

130 31.3 11.8 51.8

64 61.3 39.5 79.5







#9

Benzaldehyde

Concen: 16.31 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

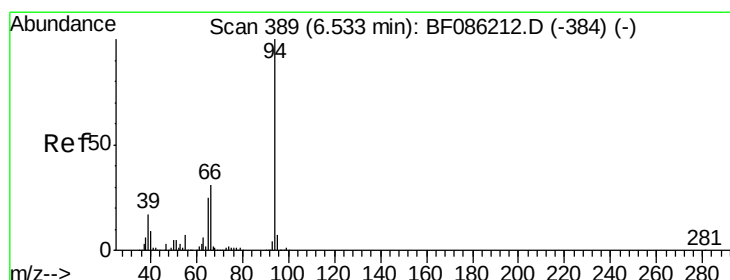
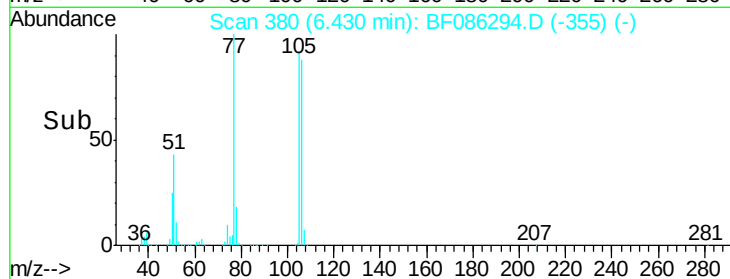
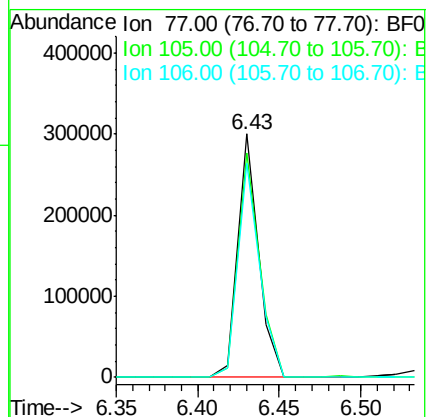
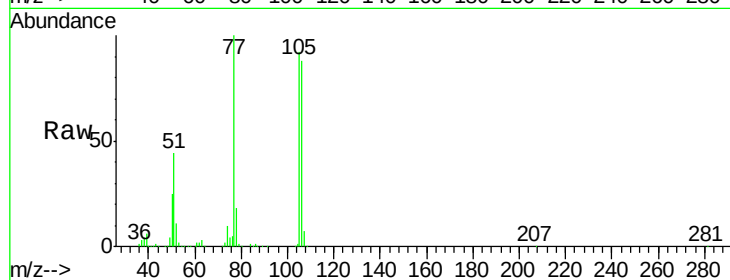
Tgt Ion: 77 Resp: 262975

Ion Ratio Lower Upper

77 100

105 92.2 84.6 124.6

106 88.1 78.6 118.6



#10

Phenol

Concen: 29.71 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

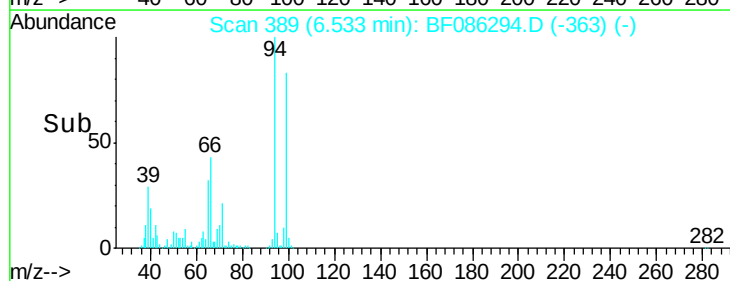
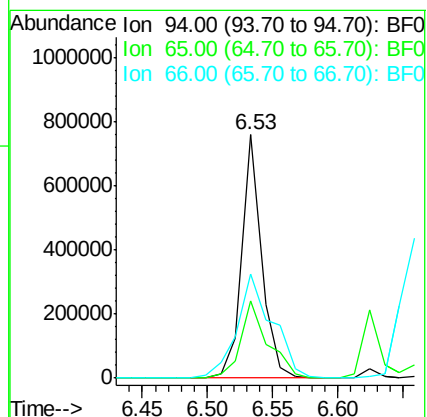
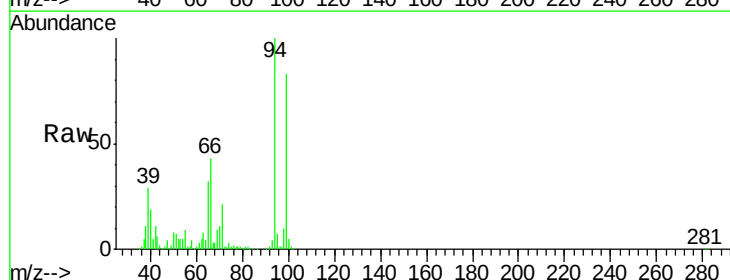
Tgt Ion: 94 Resp: 803819

Ion Ratio Lower Upper

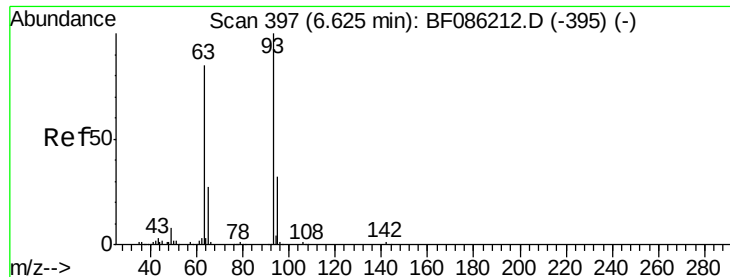
94 100

65 31.7 7.9 47.9

66 42.7 16.5 56.5







#11

bis(2-Chloroethyl)ether

Concen: 36.21 ng

RT: 6.62 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

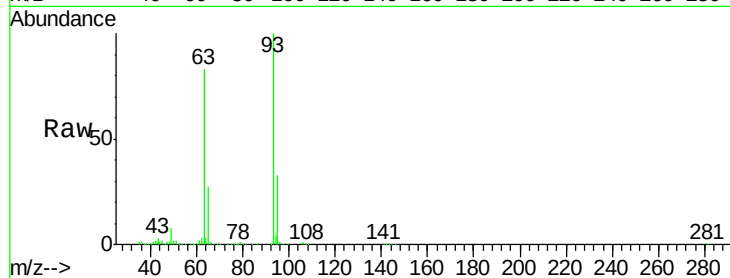
Tgt Ion: 93 Resp: 737166

Ion Ratio Lower Upper

93 100

63 82.7 44.4 84.4

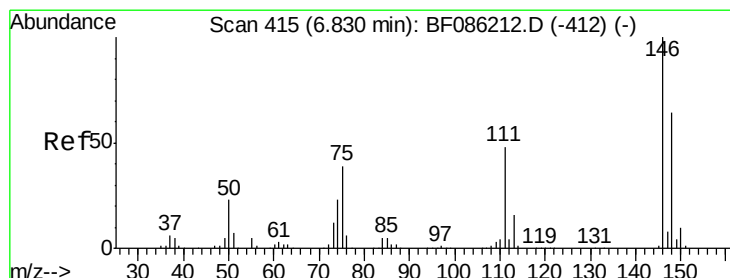
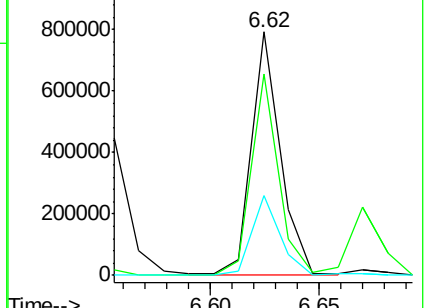
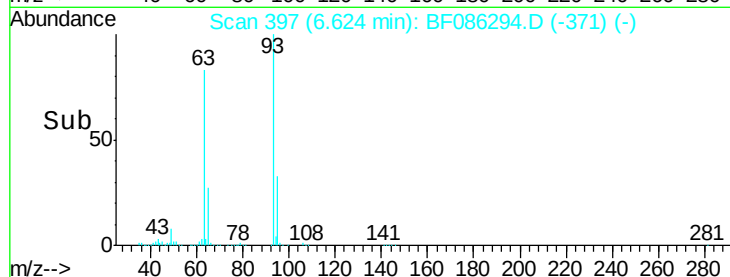
95 32.7 13.1 53.1



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 35.57 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

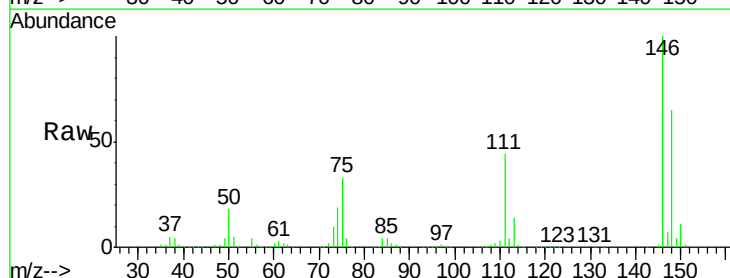
Tgt Ion: 146 Resp: 775570

Ion Ratio Lower Upper

146 100

148 65.0 51.0 76.4

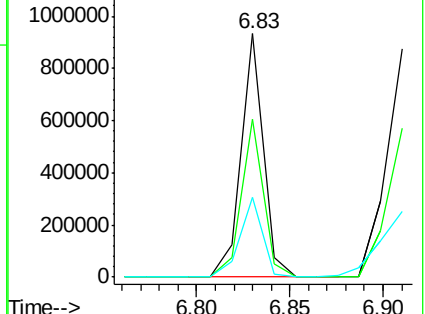
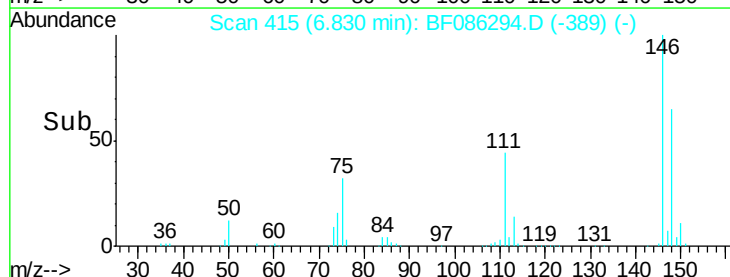
75 32.6 29.9 44.9

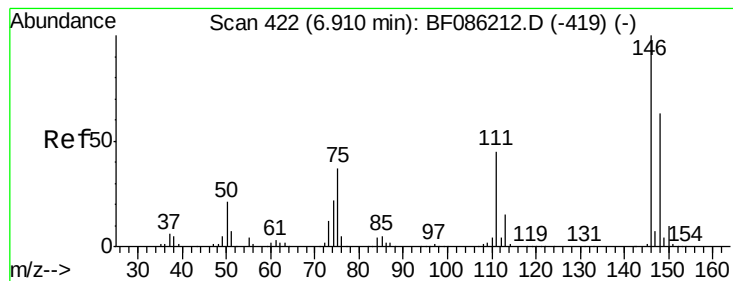


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 39.11 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

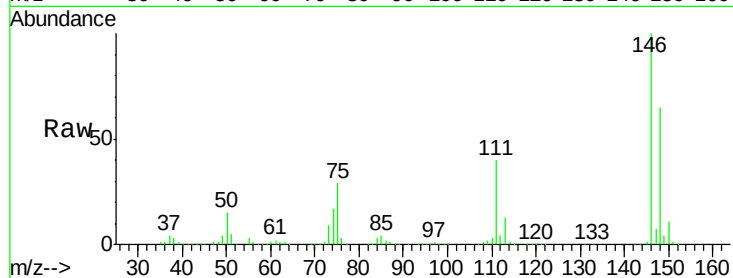
Tgt Ion:146 Resp: 812383

Ion Ratio Lower Upper

146 100

148 65.2 51.8 77.6

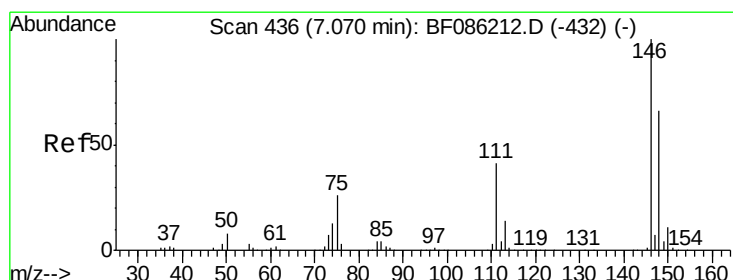
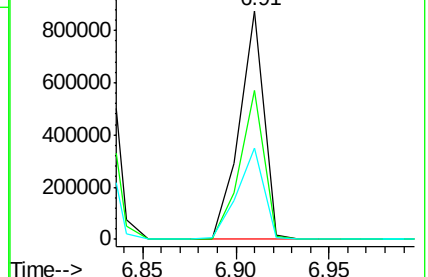
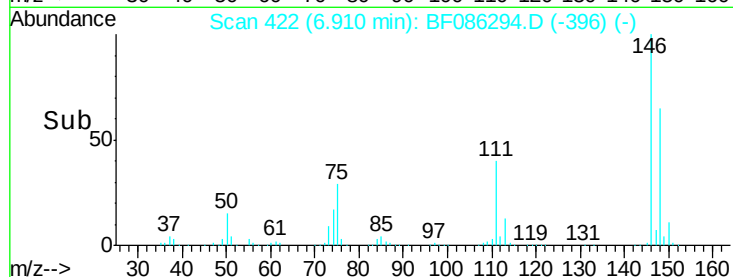
111 39.8 34.9 52.3



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: 44.06 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.16 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

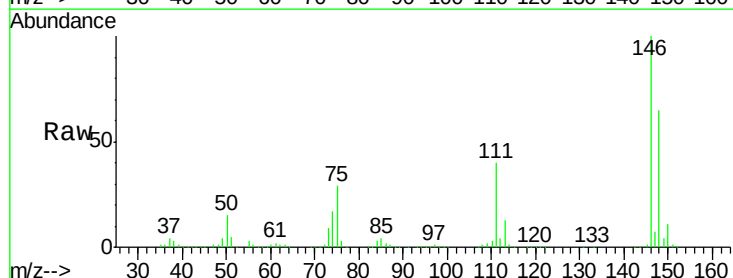
Tgt Ion:146 Resp: 812383

Ion Ratio Lower Upper

146 100

148 65.2 52.2 78.2

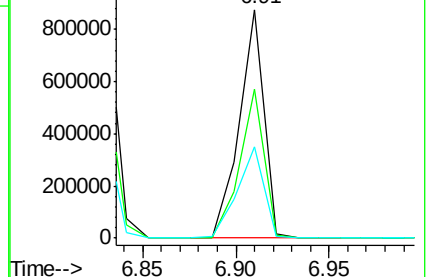
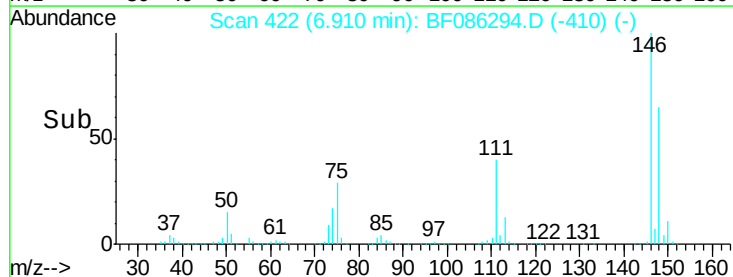
111 39.8 31.0 46.4

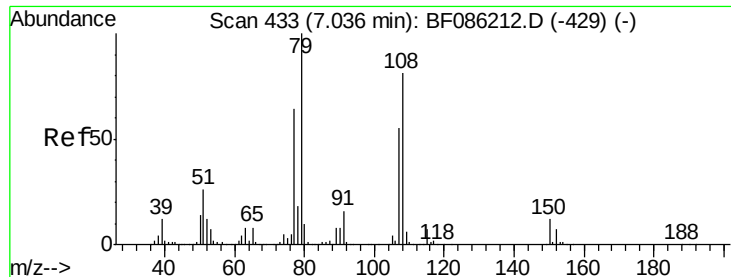


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 41.67 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

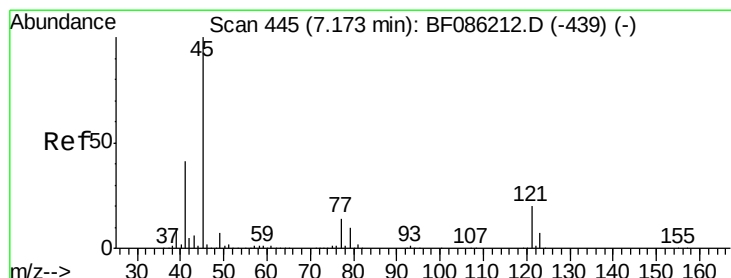
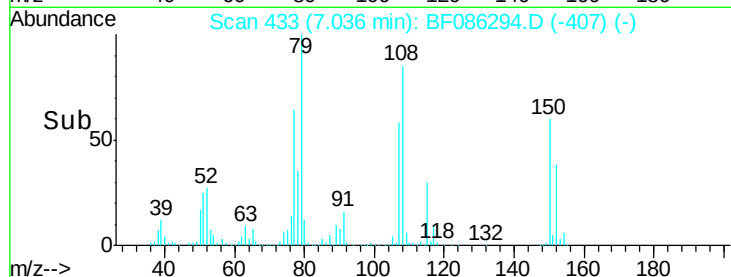
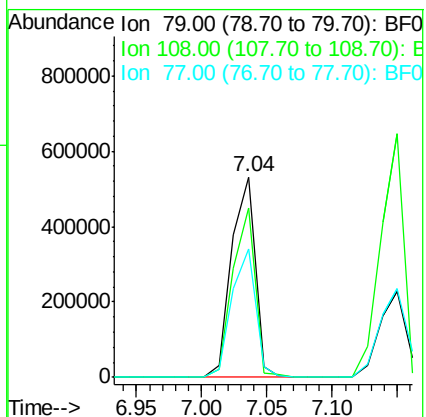
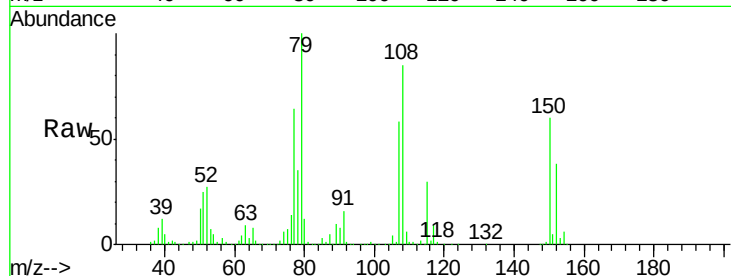
Tgt Ion: 79 Resp: 671723

Ion Ratio Lower Upper

79 100

108 84.7 64.8 97.2

77 64.0 51.9 77.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.87 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

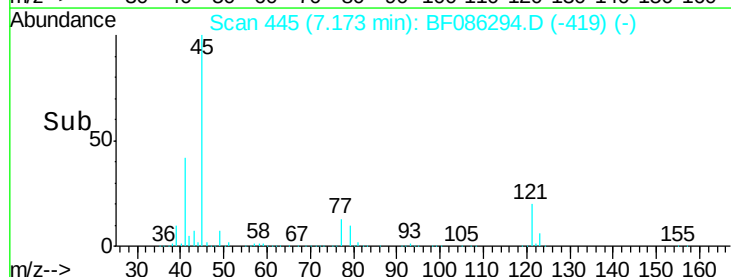
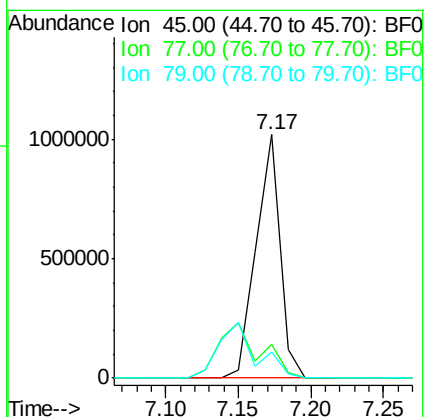
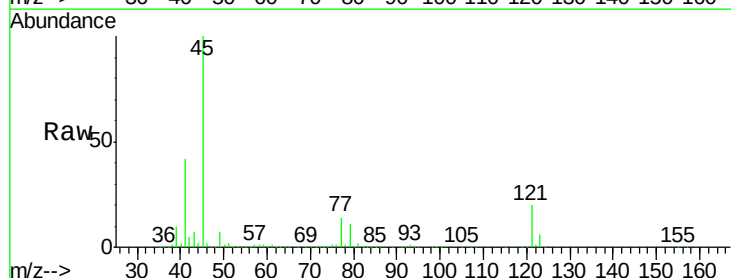
Tgt Ion: 45 Resp: 1169460

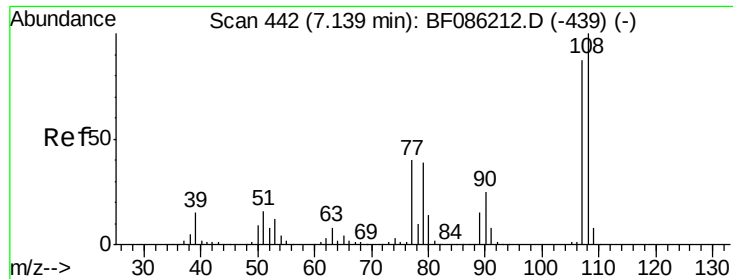
Ion Ratio Lower Upper

45 100

77 13.7 0.0 33.7

79 10.5 0.0 30.1

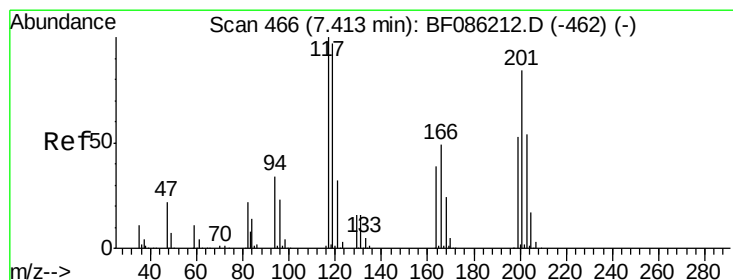
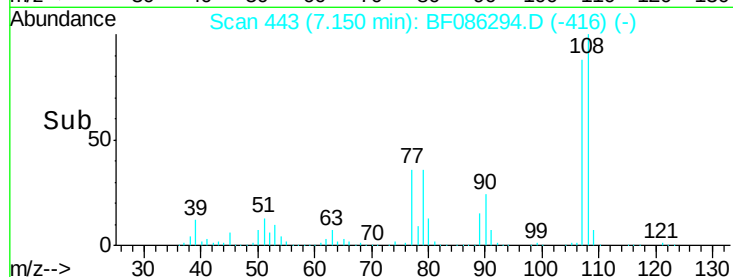
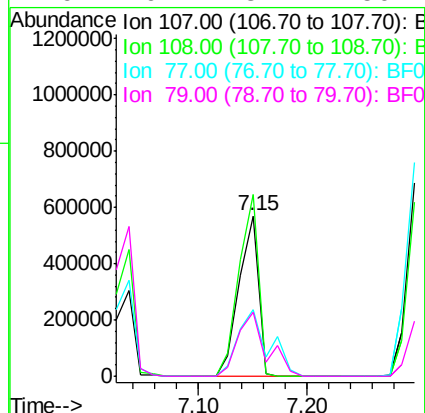
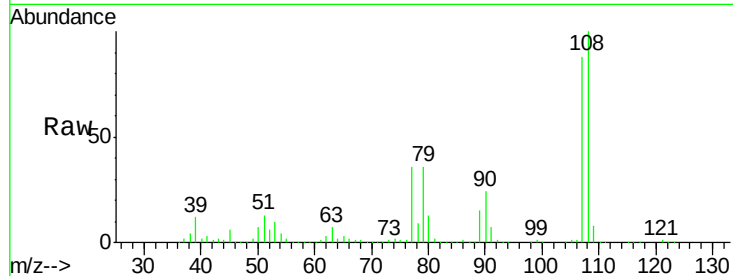




#17  
2-Methylphenol  
Concen: 40.70 ng  
RT: 7.15 min Scan# 443  
Delta R.T. 0.01 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

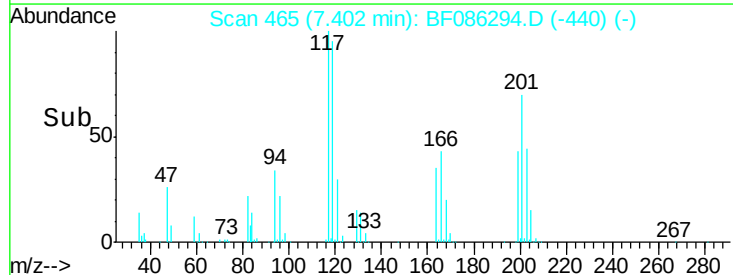
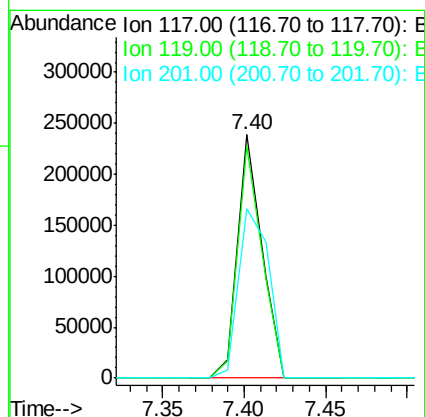
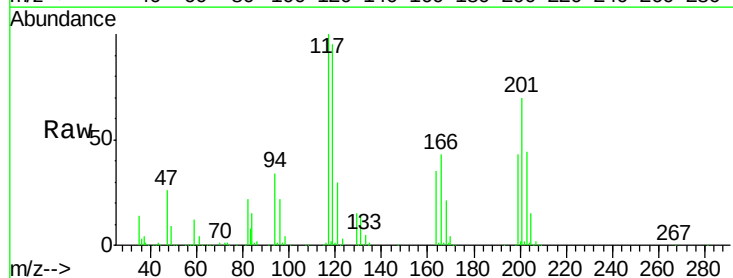
Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-A(0-2)MSD

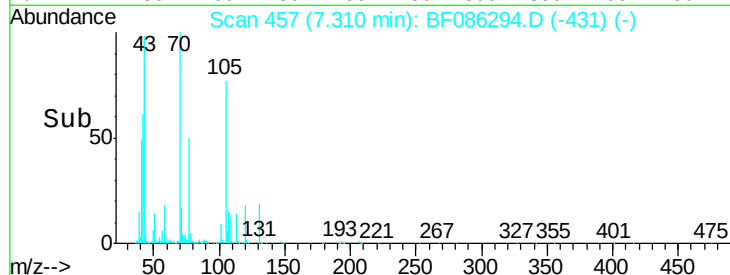
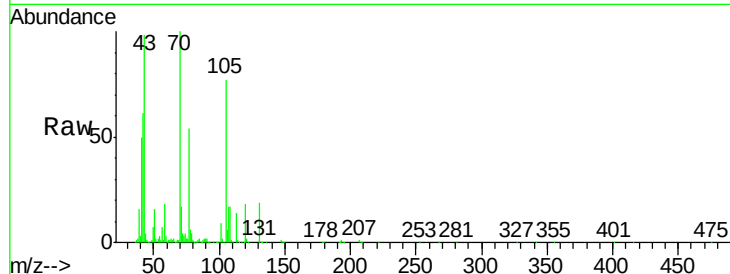
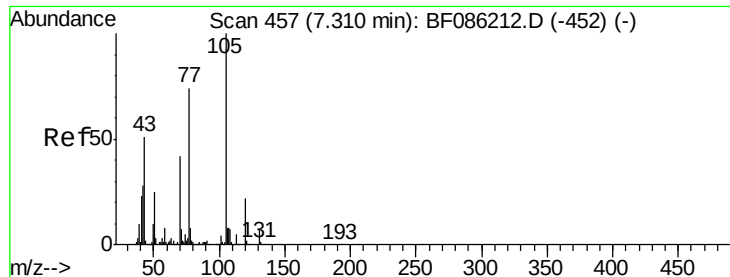
Tgt Ion:107 Resp: 696843  
Ion Ratio Lower Upper  
107 100  
108 113.2 92.7 139.1  
77 41.1 39.6 59.4  
79 40.2 37.4 56.2



#18  
Hexachloroethane  
Concen: 31.28 ng  
RT: 7.40 min Scan# 465  
Delta R.T. -0.01 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

Tgt Ion:117 Resp: 245104  
Ion Ratio Lower Upper  
117 100  
119 95.2 78.2 117.4  
201 69.7 75.7 113.5#

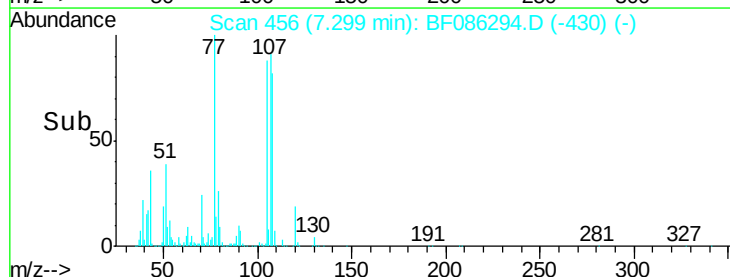
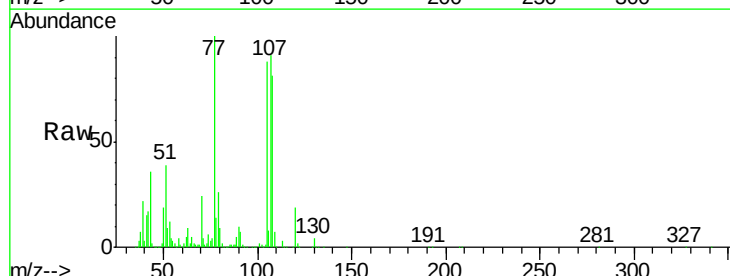
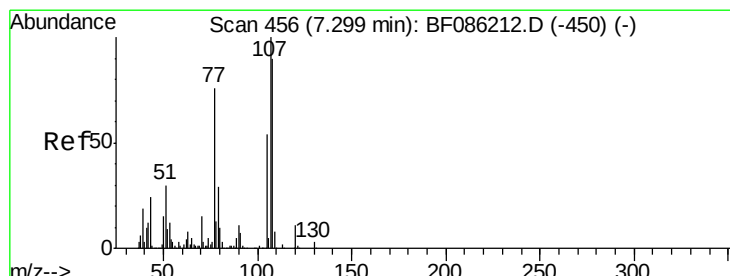
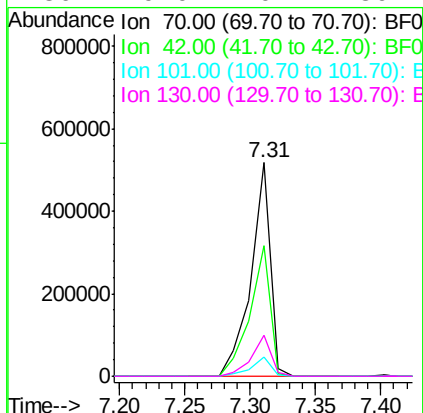




#19  
n-Nitroso-di-n-propylamine  
Concen: 36.92 ng  
RT: 7.31 min Scan# 457  
Delta R.T. -0.00 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

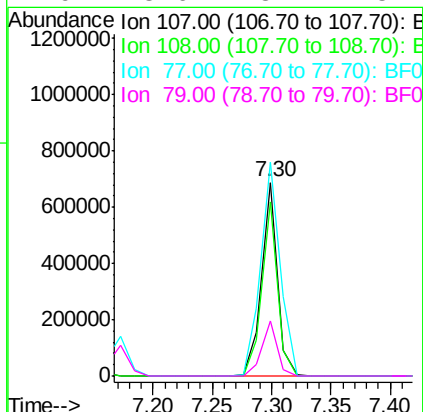
Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-A(0-2)MSD

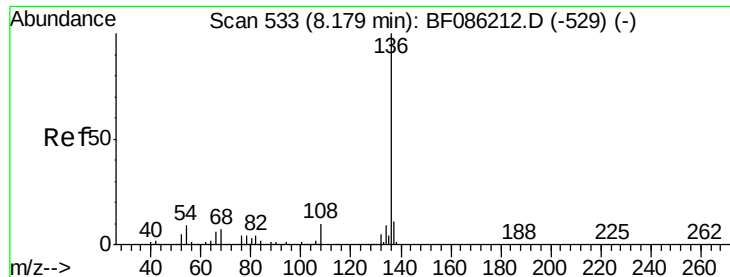
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 536828 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 61.1  | 43.0  | 64.4   |
| 101      | 9.0   | 8.1   | 12.1   |
| 130      | 19.0  | 20.1  | 30.1#  |



#20  
3+4-Methylphenols  
Concen: 33.69 ng  
RT: 7.30 min Scan# 456  
Delta R.T. 0.00 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 646177 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.7  | 69.7  | 109.7  |
| 77       | 110.1 | 60.5  | 100.5# |
| 79       | 28.6  | 8.1   | 48.1   |

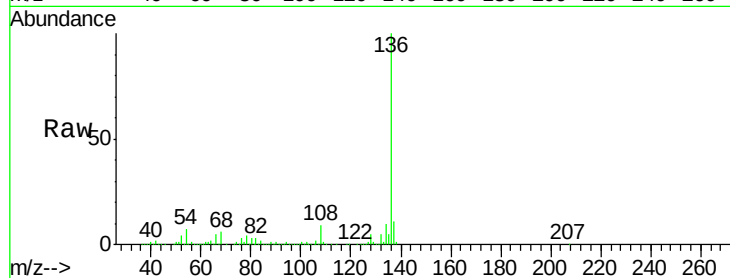




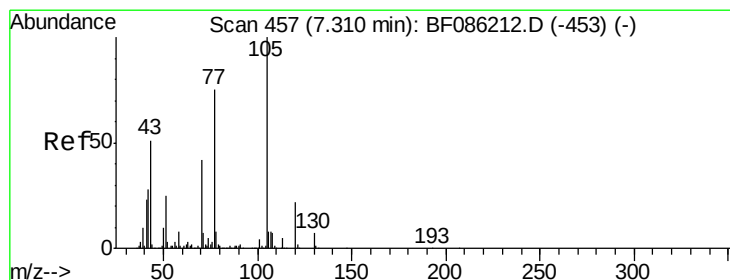
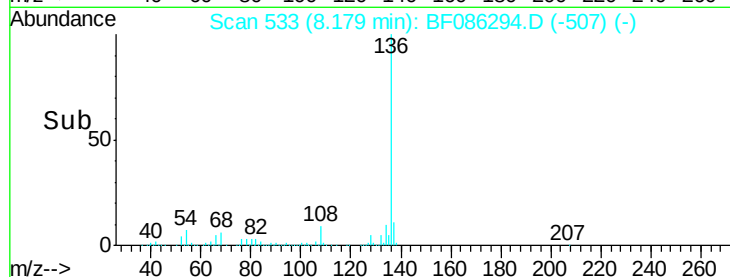
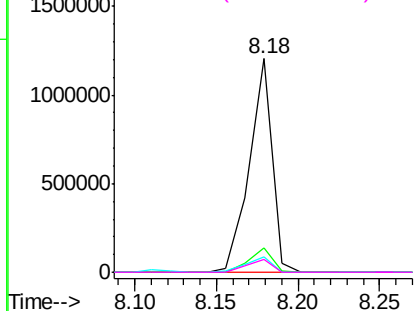
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.18 min Scan# 533  
Delta R.T. -0.00 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-A(0-2)MSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 136   | Resp: | 1169455 |
| Ion      | Ratio | Lower | Upper   |
| 136      | 100   |       |         |
| 137      | 11.2  | 9.1   | 13.7    |
| 54       | 7.4   | 7.3   | 10.9    |
| 68       | 5.9   | 5.7   | 8.5     |

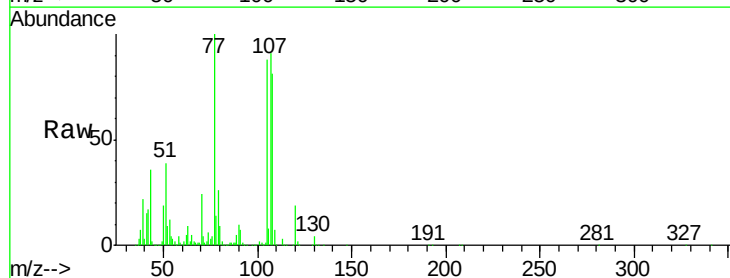


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

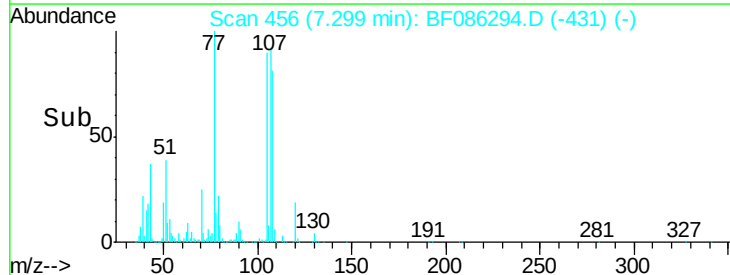
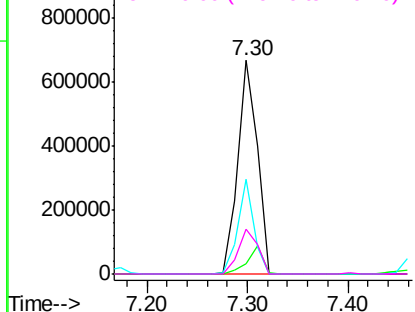


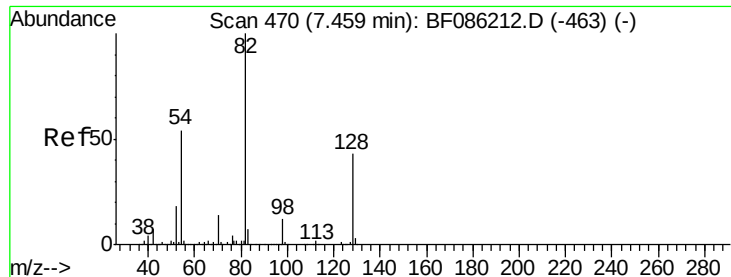
#22  
Acetophenone  
Concen: 39.80 ng  
RT: 7.30 min Scan# 456  
Delta R.T. -0.01 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 891397 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 4.6   | 4.0   | 6.0    |
| 51       | 44.6  | 22.0  | 33.0#  |
| 120      | 21.1  | 17.5  | 26.3   |



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

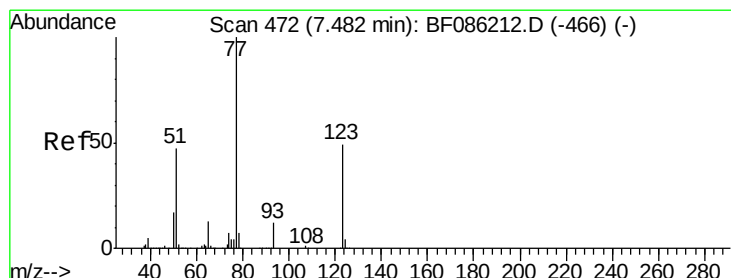
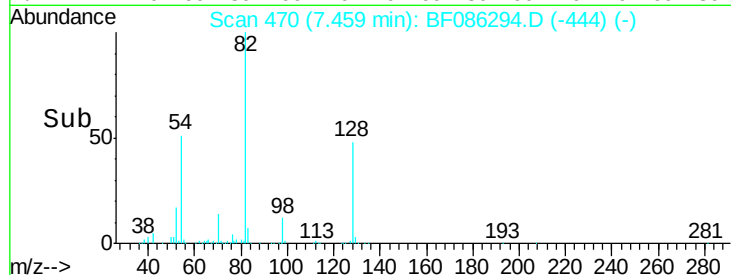
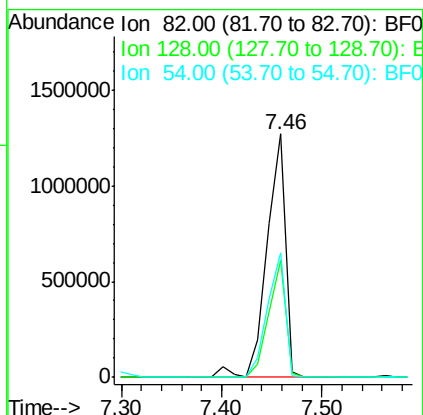
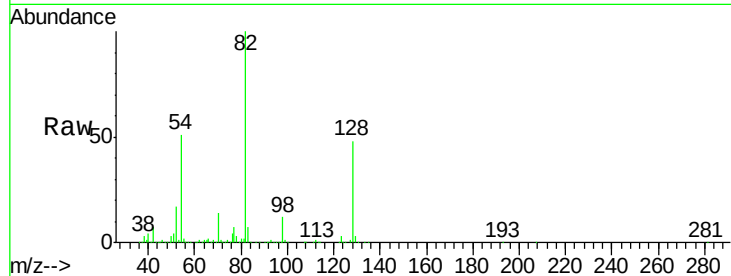




#23  
 Nitrobenzene-d5  
 Concen: 80.50 ng  
 RT: 7.46 min Scan# 470  
 Delta R.T. -0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

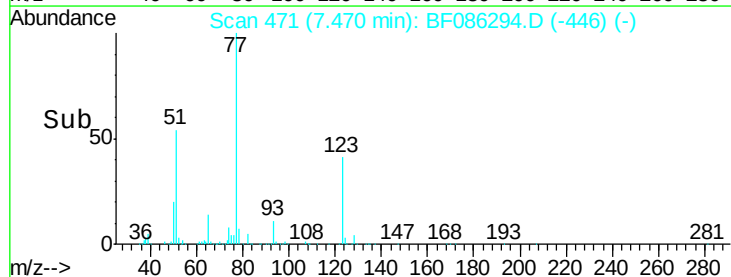
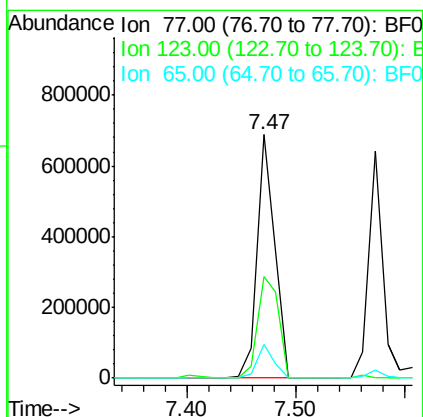
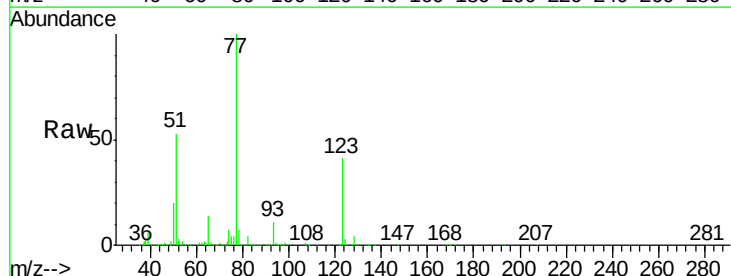
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

Tgt Ion: 82 Resp: 1632196  
 Ion Ratio Lower Upper  
 82 100  
 128 48.0 35.4 53.2  
 54 51.0 43.4 65.0

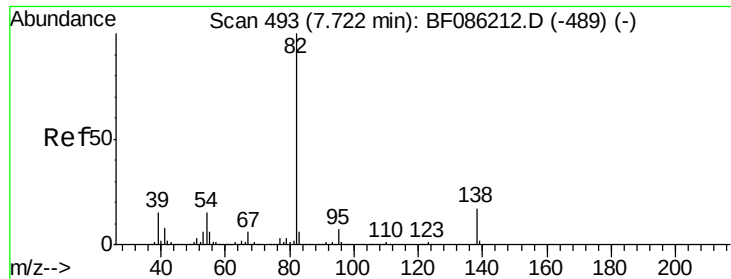


#24  
 Nitrobenzene  
 Concen: 35.21 ng  
 RT: 7.47 min Scan# 471  
 Delta R.T. -0.01 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Tgt Ion: 77 Resp: 780508  
 Ion Ratio Lower Upper  
 77 100  
 123 41.5 38.3 57.5  
 65 13.7 11.3 16.9







#25

Isophorone

Concen: 38.61 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

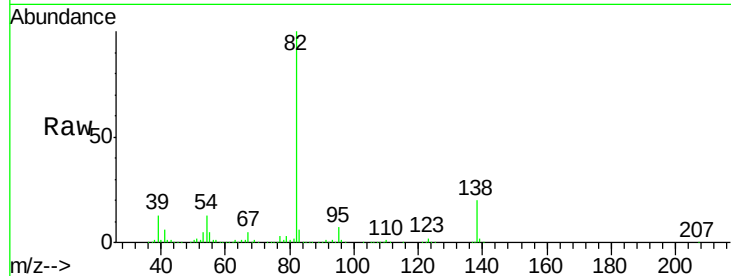
Tgt Ion: 82 Resp: 1553333

Ion Ratio Lower Upper

82 100

95 6.6 5.4 8.2

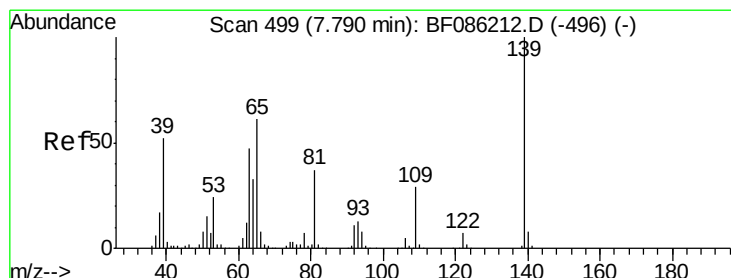
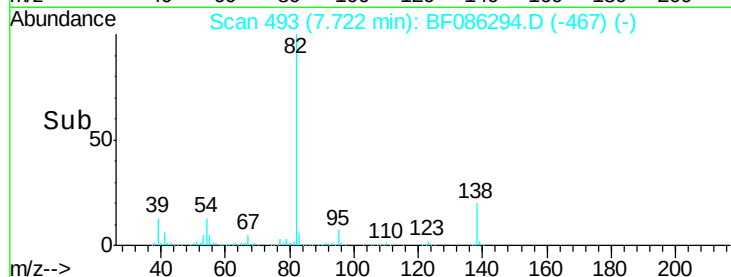
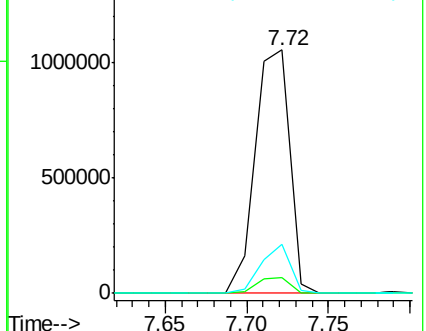
138 19.9 13.4 20.2



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: 36.84 ng

RT: 7.79 min Scan# 499

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

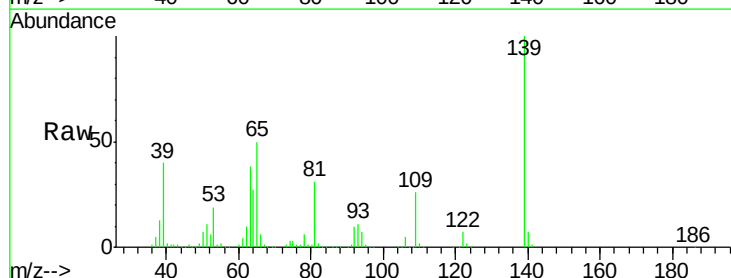
Tgt Ion: 139 Resp: 356124

Ion Ratio Lower Upper

139 100

109 25.6 25.8 38.8#

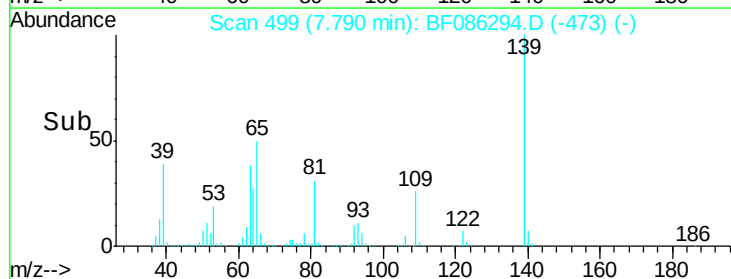
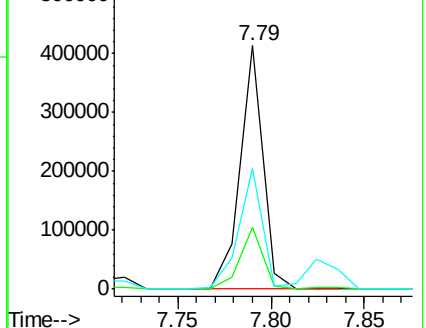
65 49.6 50.2 75.2#

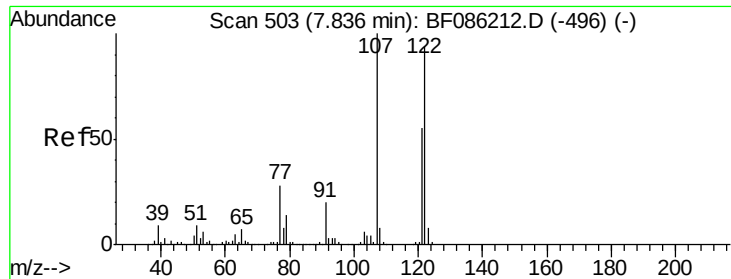


Abundance Ion 139.00 (138.70 to 139.70): BF0

Ion 109.00 (108.70 to 109.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

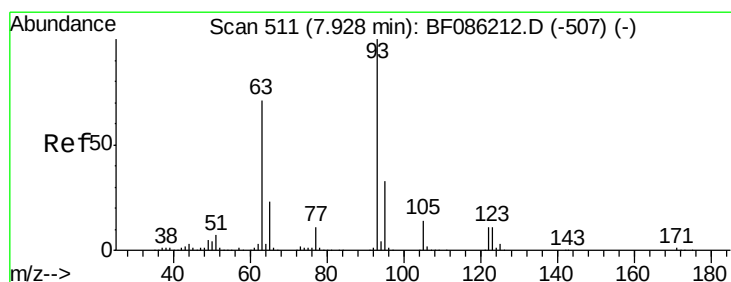
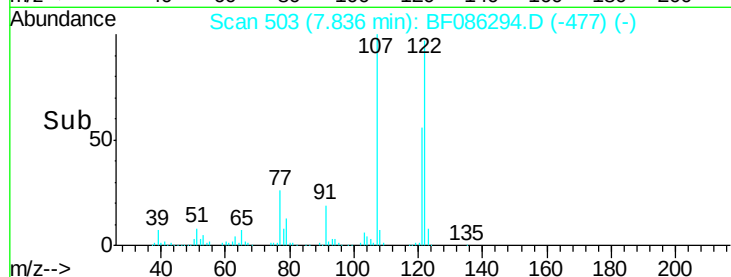
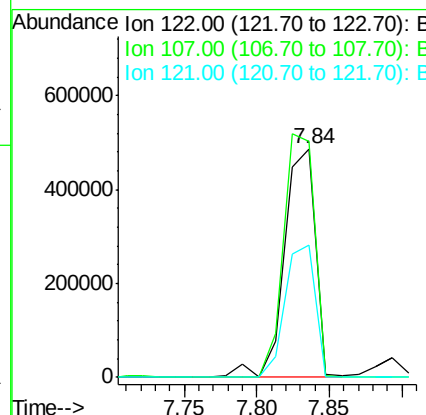
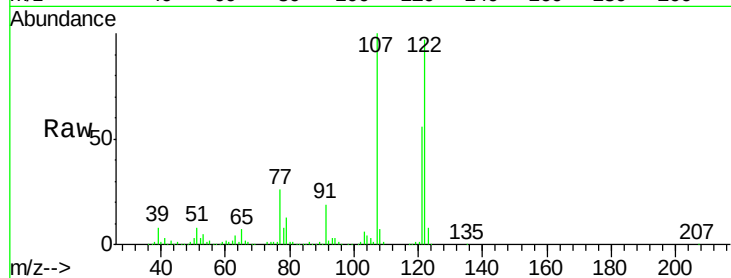




#27  
 2,4-Dimethylphenol  
 Concen: 37.15 ng  
 RT: 7.84 min Scan# 503  
 Delta R.T. -0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

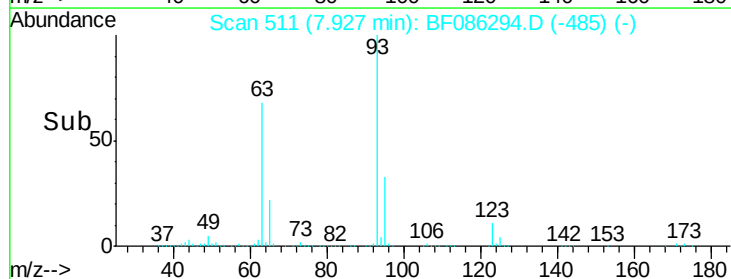
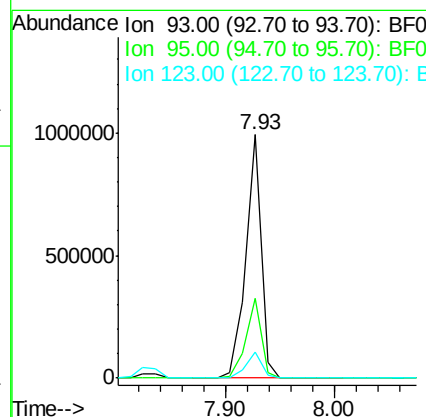
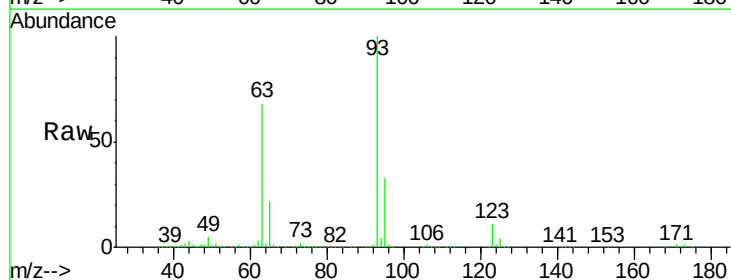
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

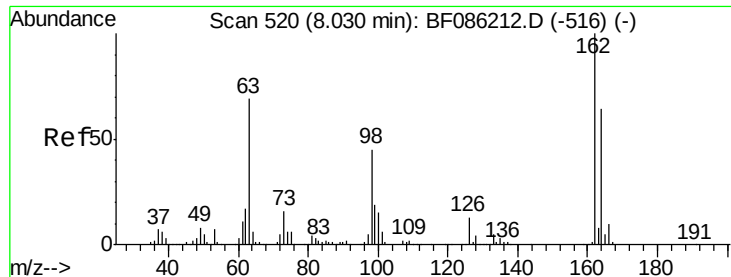
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 103.1 | 85.8  | 128.6 |
| 121     | 57.7  | 47.1  | 70.7  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.32 ng  
 RT: 7.93 min Scan# 511  
 Delta R.T. -0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.9  | 25.8  | 38.8  |
| 123     | 10.6  | 8.9   | 13.3  |

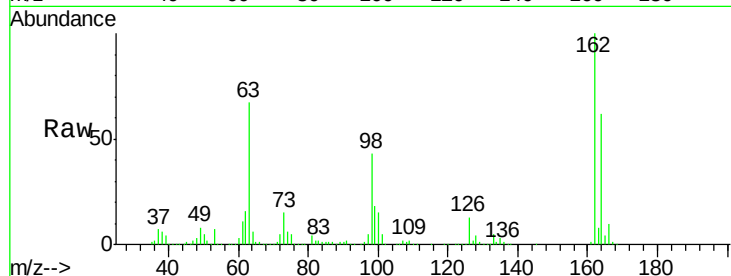




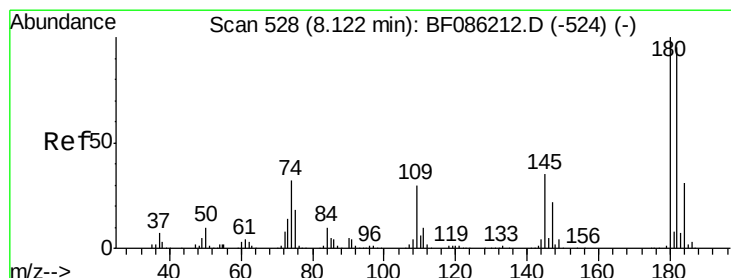
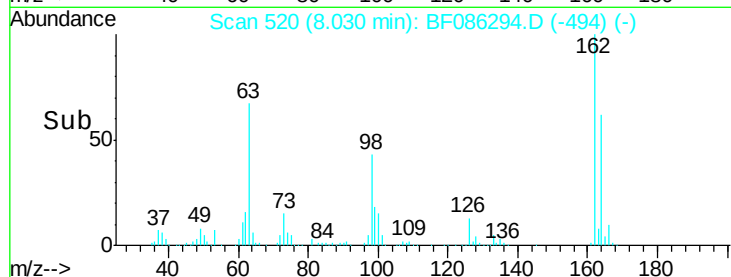
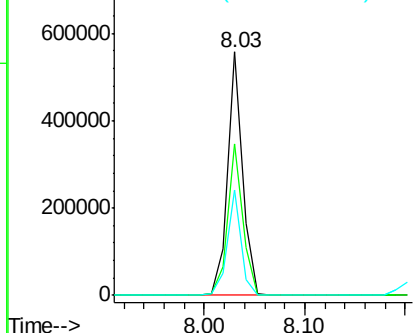
#29  
2,4-Dichlorophenol  
Concen: 38.71 ng  
RT: 8.03 min Scan# 520  
Delta R.T. -0.00 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-A(0-2)MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.3  | 43.3  | 83.3  |
| 98      | 43.2  | 22.9  | 62.9  |

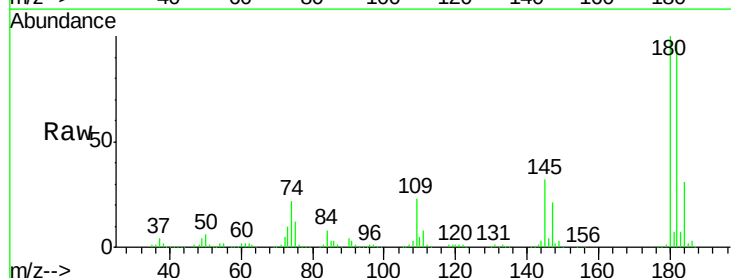


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF0

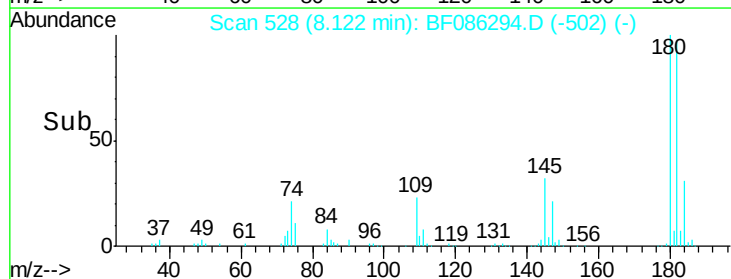
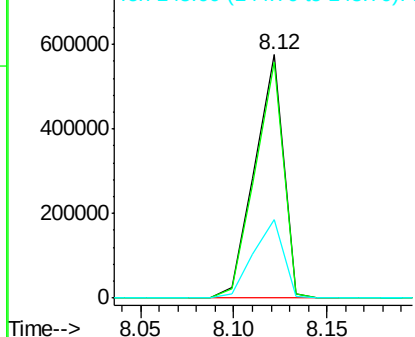


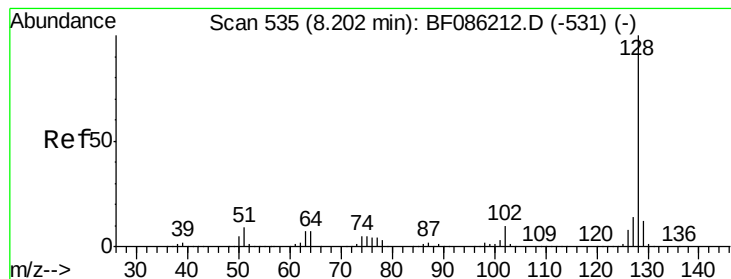
#30  
1,2,4-Trichlorobenzene  
Concen: 39.52 ng  
RT: 8.12 min Scan# 528  
Delta R.T. -0.00 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.9  | 76.3  | 114.5 |
| 145     | 32.5  | 27.4  | 41.2  |



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: 40.86 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

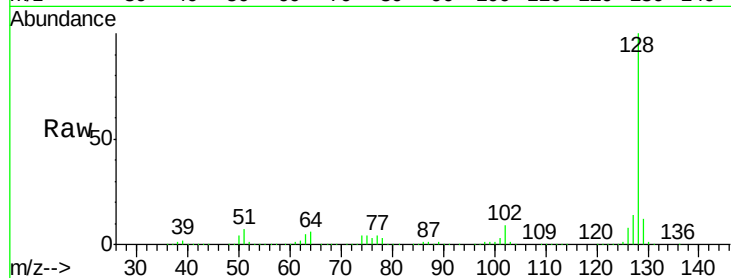
Tgt Ion:128 Resp: 2133673

Ion Ratio Lower Upper

128 100

129 11.7 9.6 14.4

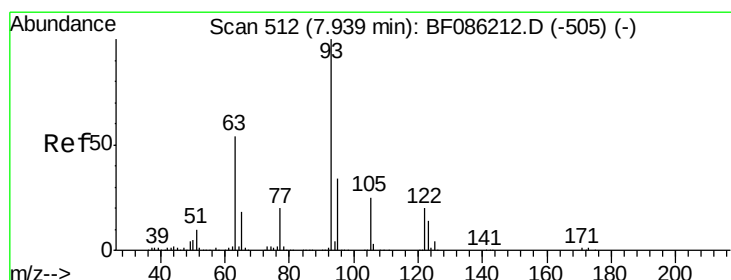
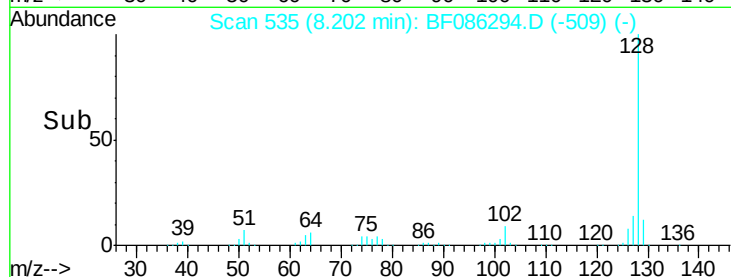
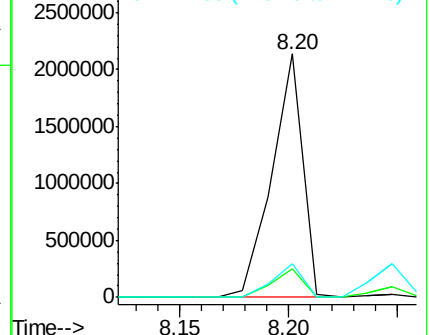
127 14.1 11.4 17.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 4.08 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.05 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

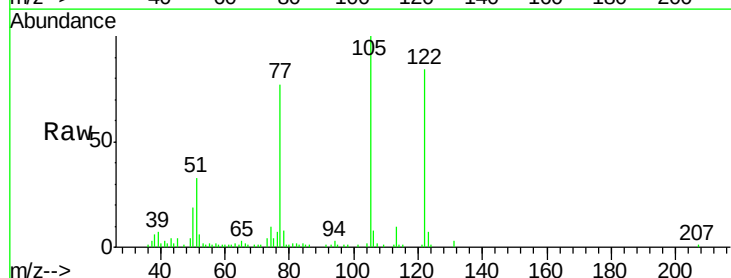
Tgt Ion:122 Resp: 50970

Ion Ratio Lower Upper

122 100

105 119.5 103.7 143.7

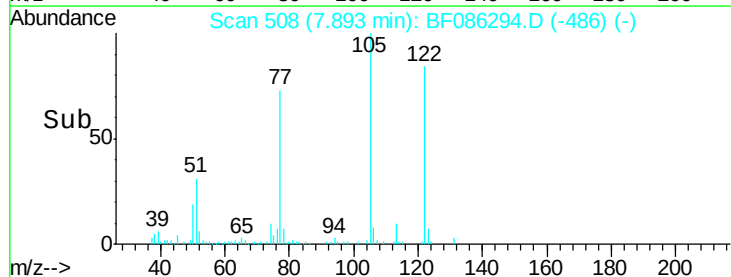
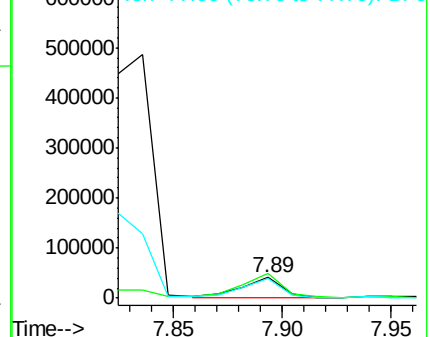
77 91.8 74.9 114.9

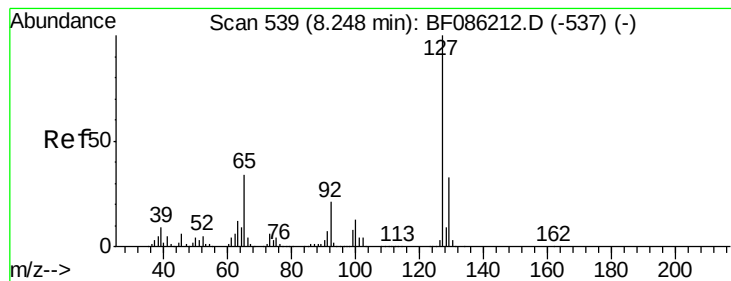


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 14.76 ng

RT: 8.25 min Scan# 539

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

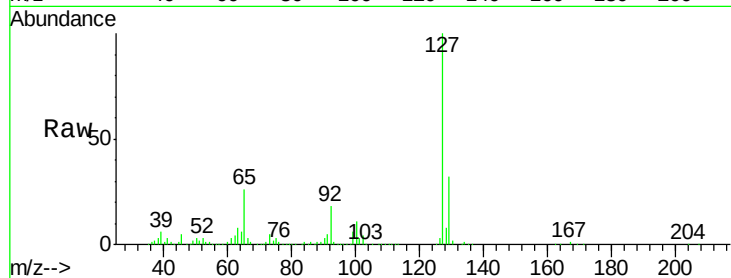
Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 344634 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.2  | 26.8  | 40.2   |
| 65       | 25.6  | 27.1  | 40.7#  |
| 92       | 17.8  | 16.2  | 24.2   |

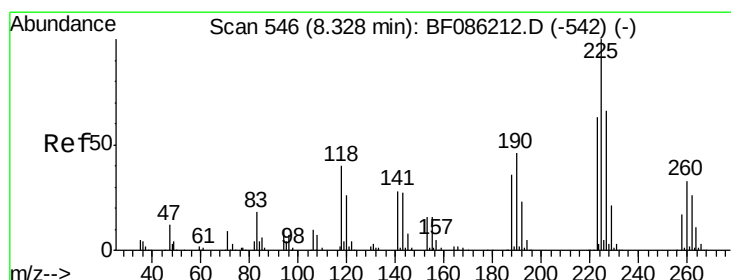
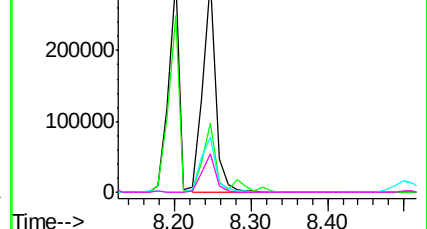
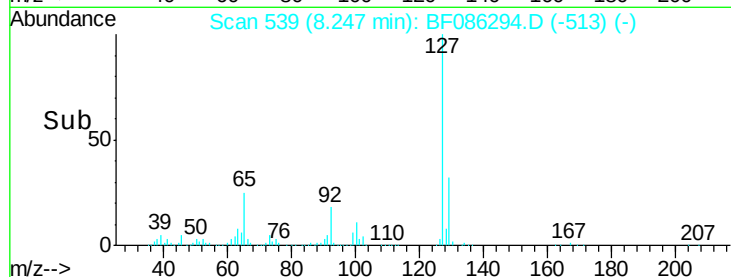


Abundance Ion 127.00 (126.70 to 127.70): E

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: 36.17 ng

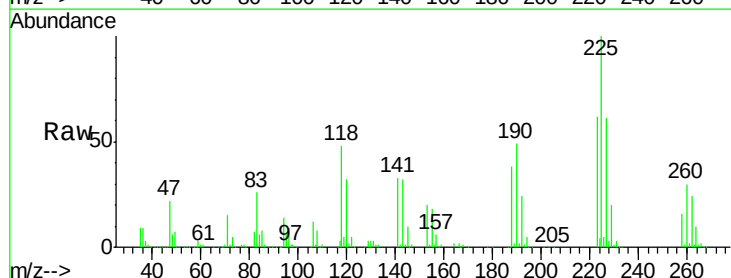
RT: 8.32 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

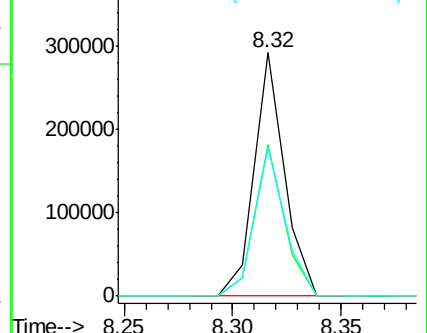
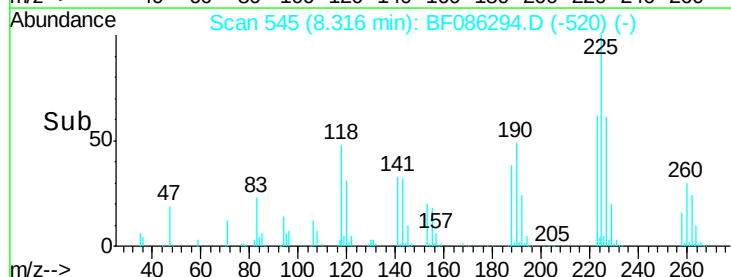
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 281471 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.4  | 49.4  | 74.0   |
| 227      | 61.3  | 51.1  | 76.7   |

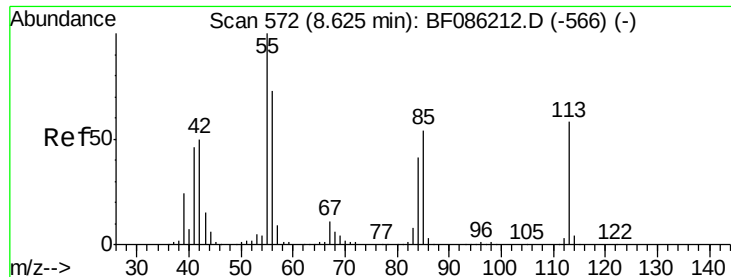


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

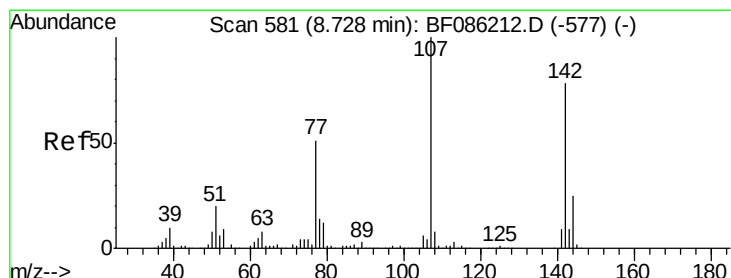
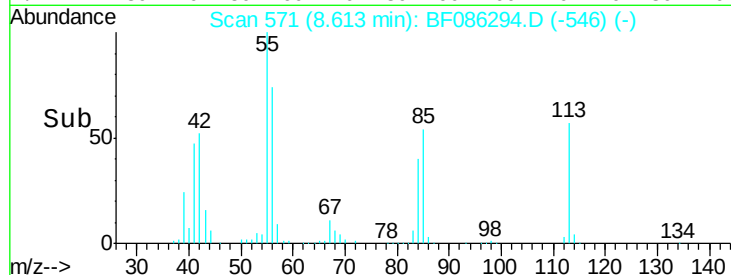
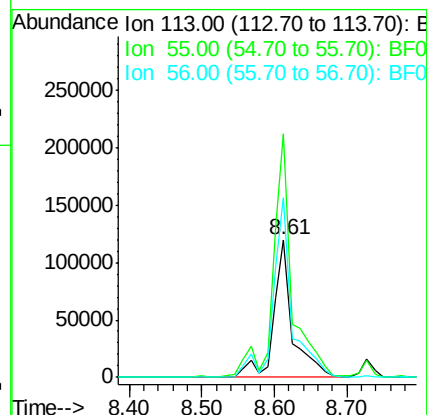
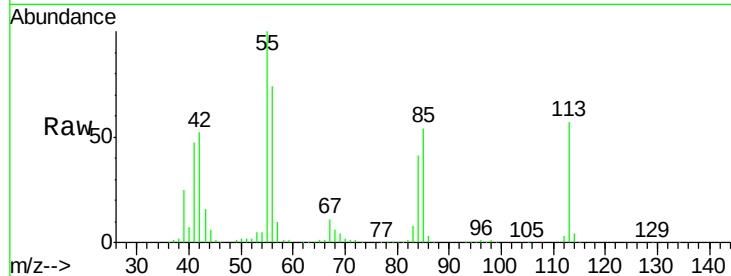




#35  
 Caprolactam  
 Concen: 40.29 ng  
 RT: 8.61 min Scan# 571  
 Delta R.T. -0.01 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

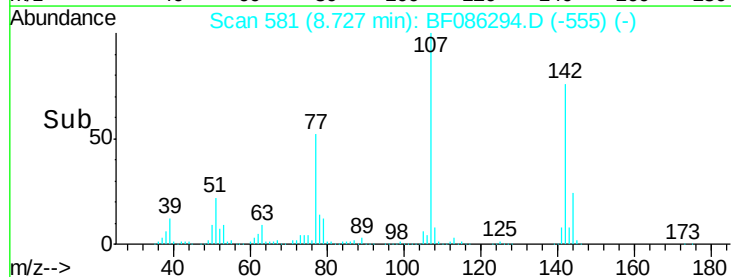
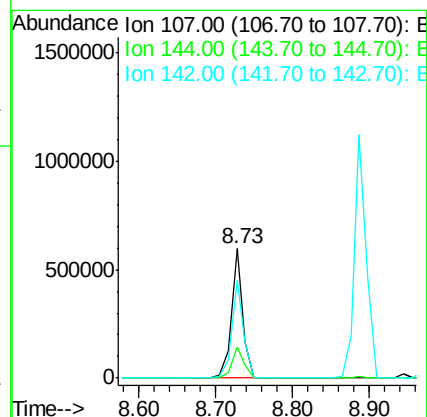
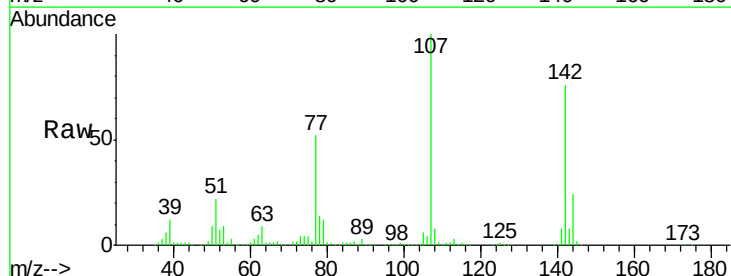
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

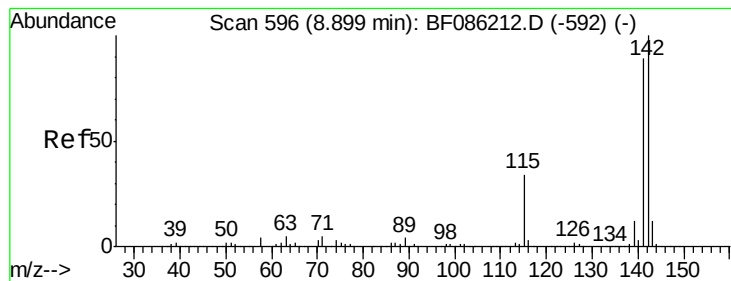
Tgt Ion:113 Resp: 216506  
 Ion Ratio Lower Upper  
 113 100  
 55 176.9 117.5 157.5#  
 56 130.1 82.5 122.5#



#36  
 4-Chloro-3-methylphenol  
 Concen: 36.42 ng  
 RT: 8.73 min Scan# 581  
 Delta R.T. -0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Tgt Ion:107 Resp: 626320  
 Ion Ratio Lower Upper  
 107 100  
 144 24.4 20.7 31.1  
 142 75.8 64.5 96.7





#37

2-Methylnaphthalene

Concen: 36.21 ng

RT: 8.89 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

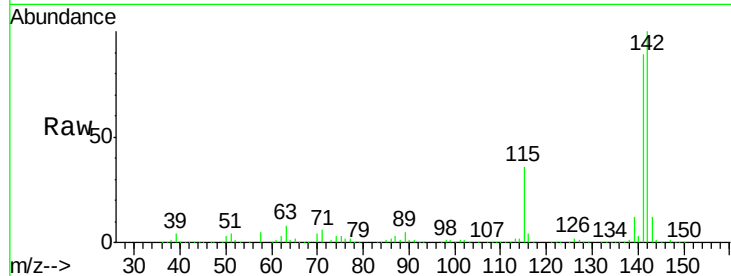
Tgt Ion:142 Resp: 1222550

Ion Ratio Lower Upper

142 100

141 89.3 71.1 106.7

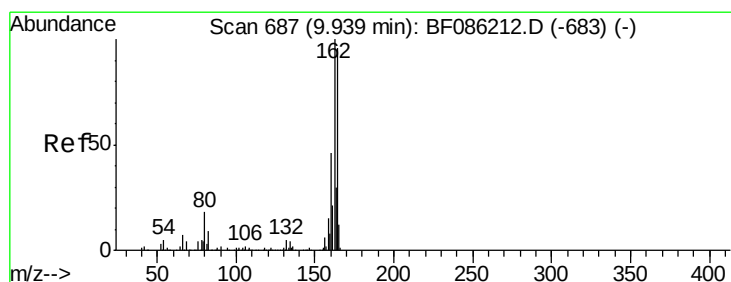
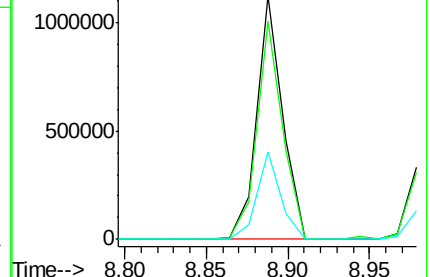
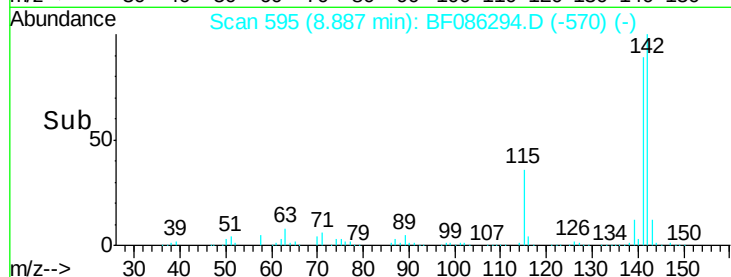
115 35.9 25.1 37.7



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: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

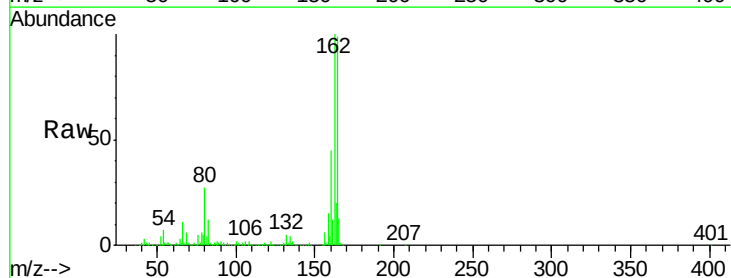
Tgt Ion:164 Resp: 468175

Ion Ratio Lower Upper

164 100

162 100.6 82.8 124.2

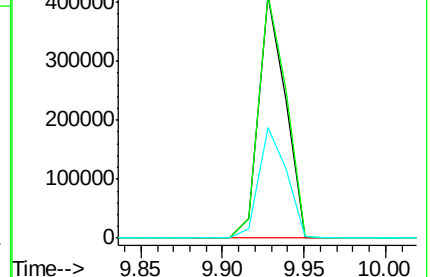
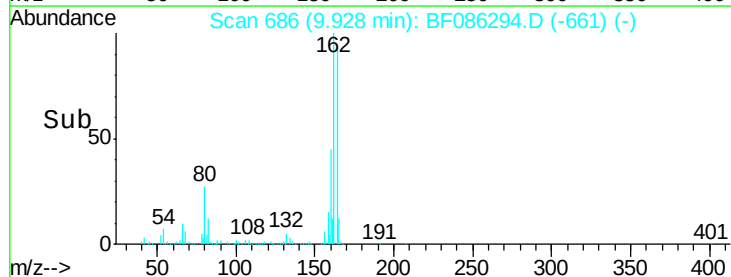
160 45.4 38.9 58.3

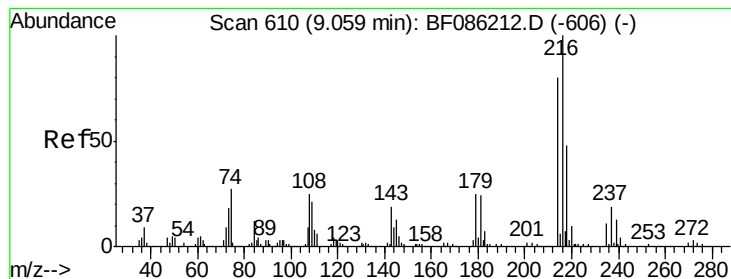


Abundance Ion 164.00 (163.70 to 164.70): E

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: 50.49 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

Tgt Ion:216 Resp: 489403

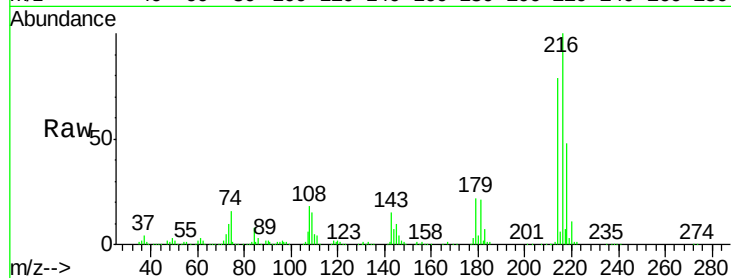
Ion Ratio Lower Upper

216 100

214 80.2 64.9 97.3

179 23.4 19.8 29.6

108 22.8 21.0 31.4

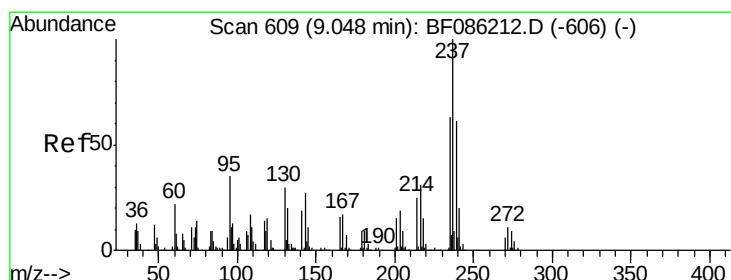
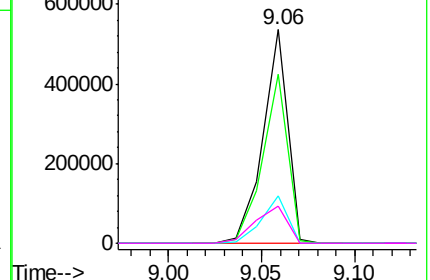
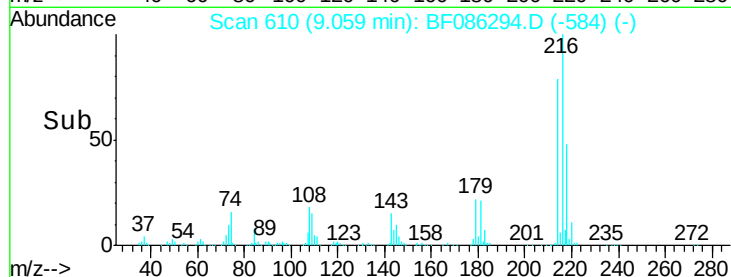


Abundance Ion 216.00 (215.70 to 216.70): E

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: 32.05 ng

RT: 9.05 min Scan# 609

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

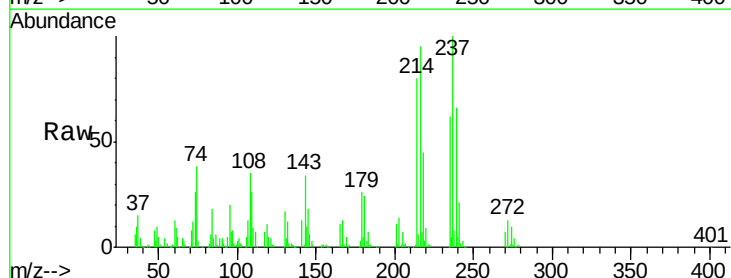
Tgt Ion:237 Resp: 176901

Ion Ratio Lower Upper

237 100

235 62.4 44.0 84.0

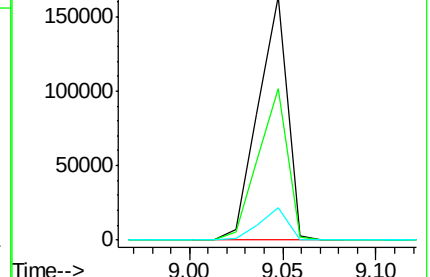
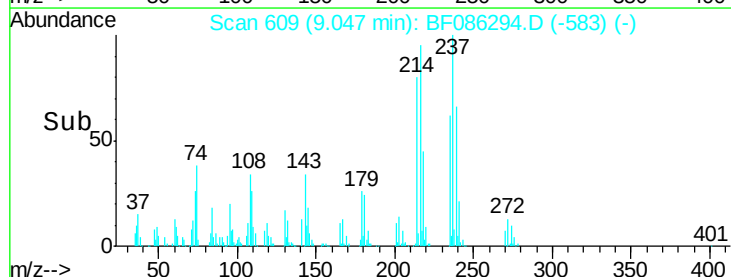
272 13.1 0.0 32.4



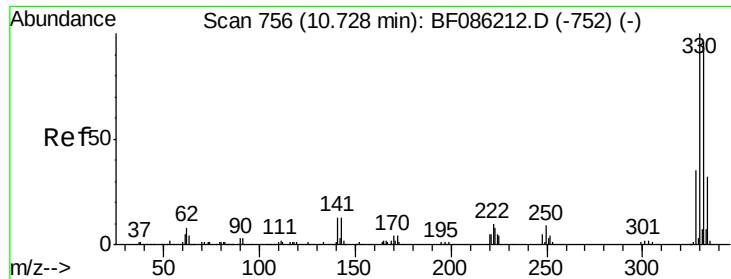
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



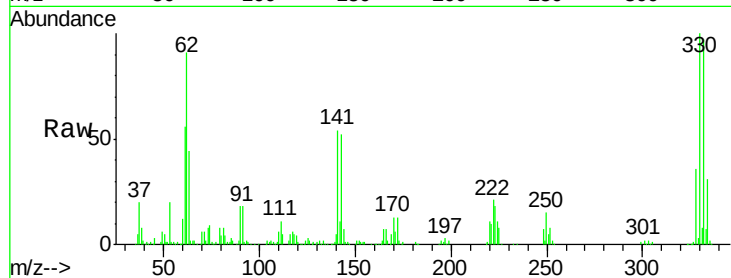




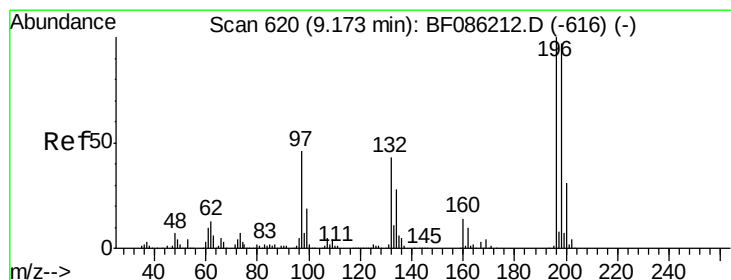
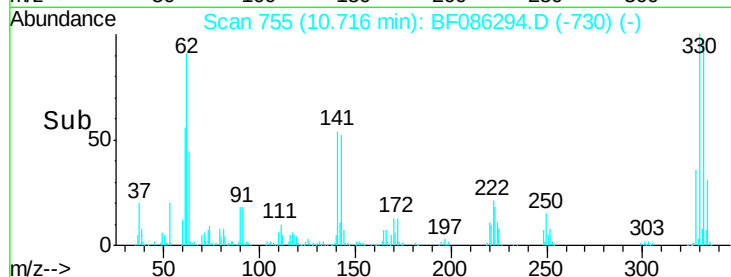
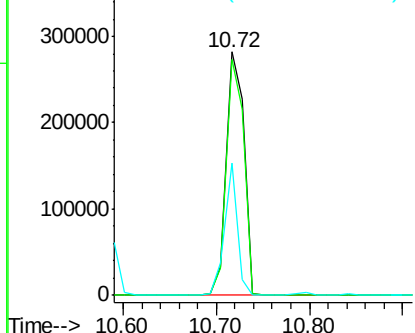
#41  
 2,4,6-Tribromophenol  
 Concen: 100.12 ng  
 RT: 10.72 min Scan# 755  
 Delta R.T. -0.01 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

Tgt Ion:330 Resp: 376402  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 78.7 118.1  
 141 38.5 28.6 42.8

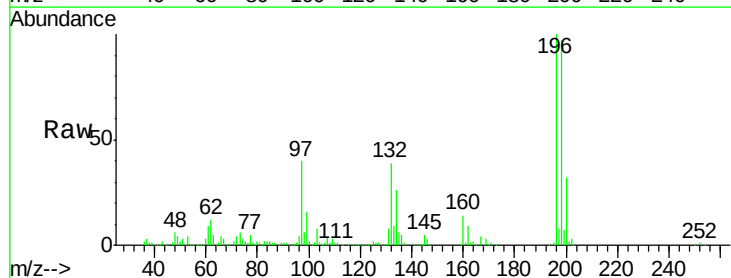


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

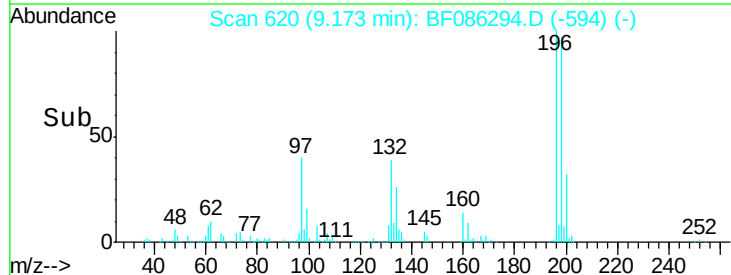
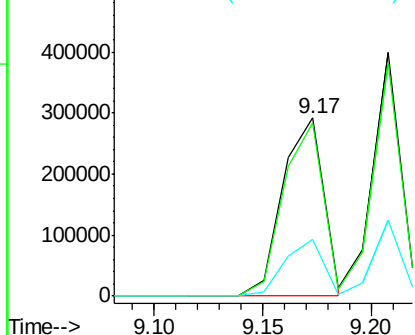


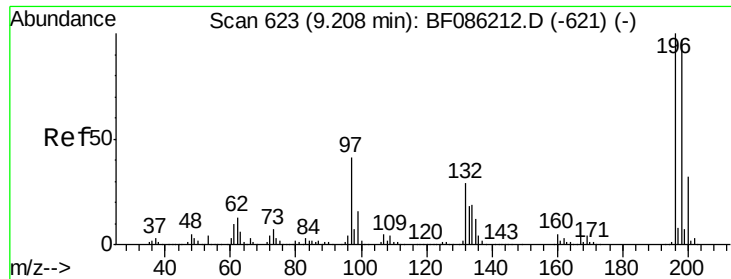
#42  
 2,4,6-Trichlorophenol  
 Concen: 41.38 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. -0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Tgt Ion:196 Resp: 381683  
 Ion Ratio Lower Upper  
 196 100  
 198 97.0 76.6 115.0  
 200 31.8 25.3 37.9



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

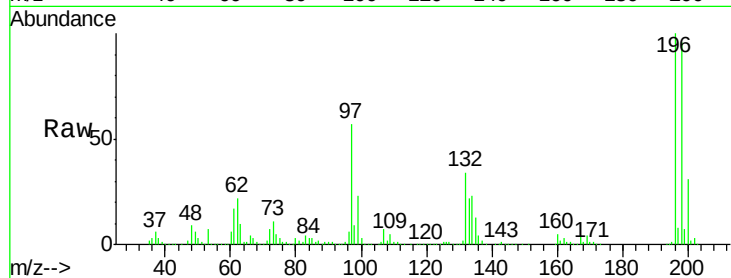




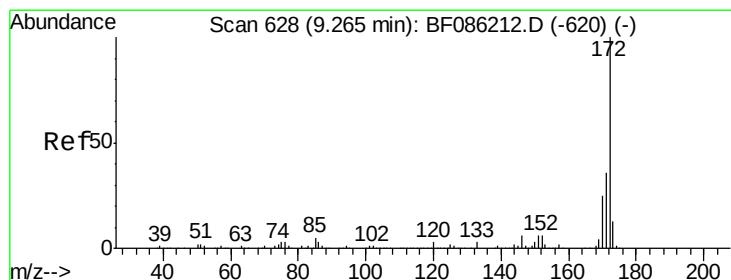
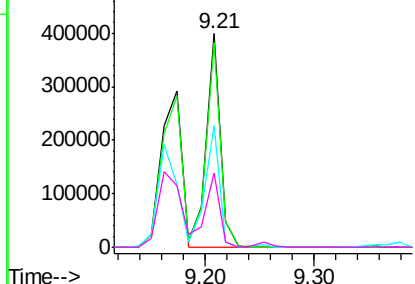
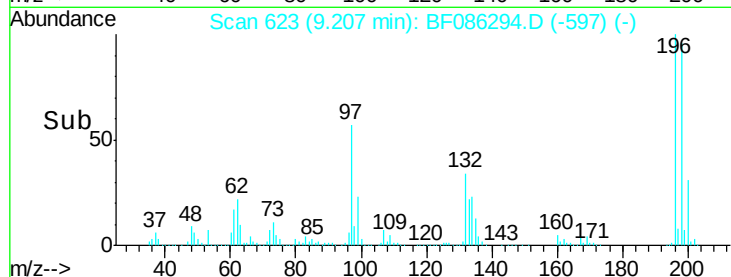
#43  
 2,4,5-Trichlorophenol  
 Concen: 40.52 ng  
 RT: 9.21 min Scan# 623  
 Delta R.T. -0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

Tgt Ion:196 Resp: 360970  
 Ion Ratio Lower Upper  
 196 100  
 198 95.8 77.7 116.5  
 97 57.1 32.6 48.8#  
 132 34.5 21.4 32.0#

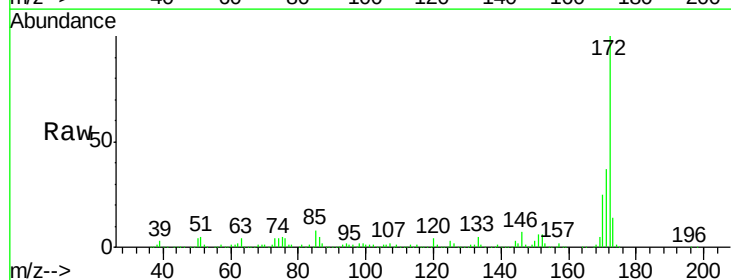


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

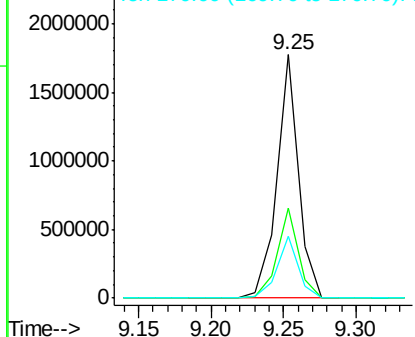
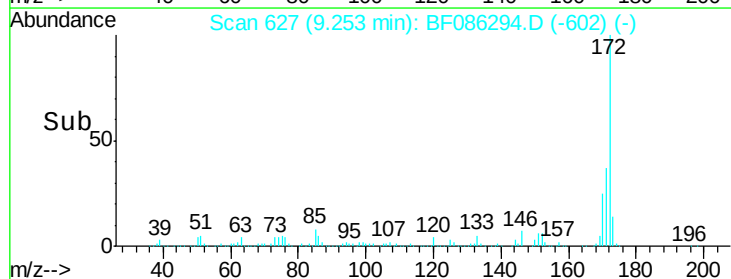


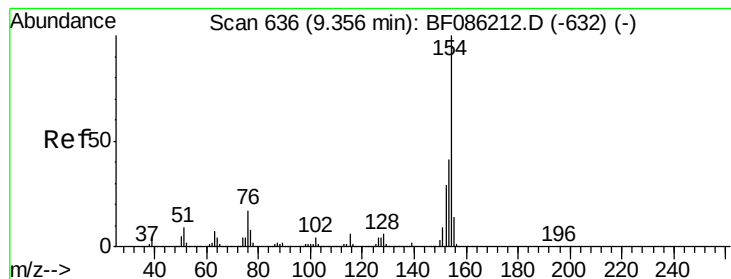
#44  
 2-Fluorobiphenyl  
 Concen: 71.77 ng  
 RT: 9.25 min Scan# 627  
 Delta R.T. -0.01 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Tgt Ion:172 Resp: 1820989  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 29.1 43.7  
 170 25.2 19.9 29.9



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





#45

1,1'-Biphenyl

Concen: 42.33 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

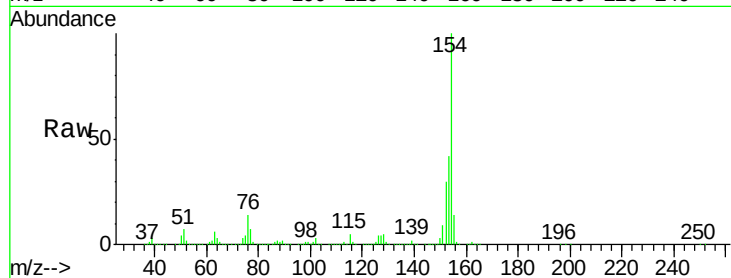
Tgt Ion:154 Resp: 1426577

Ion Ratio Lower Upper

154 100

153 41.7 21.3 61.3

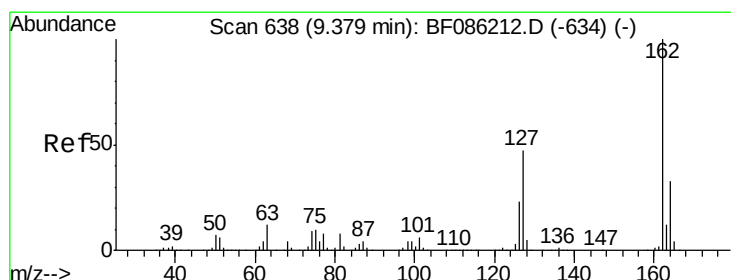
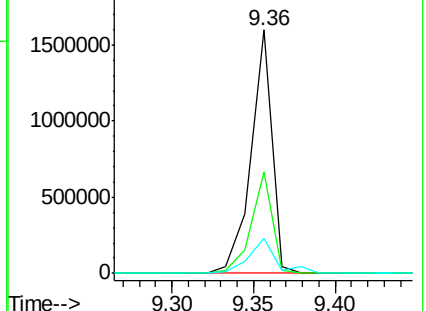
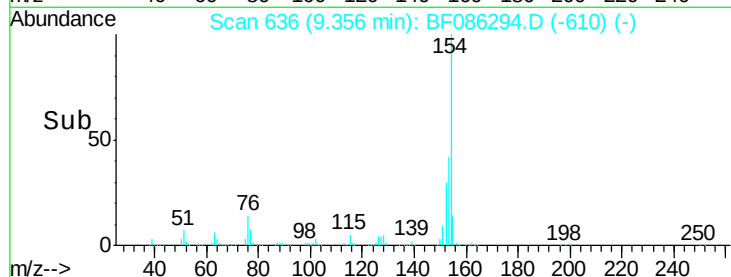
76 14.2 0.0 36.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 39.76 ng

RT: 9.38 min Scan# 638

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

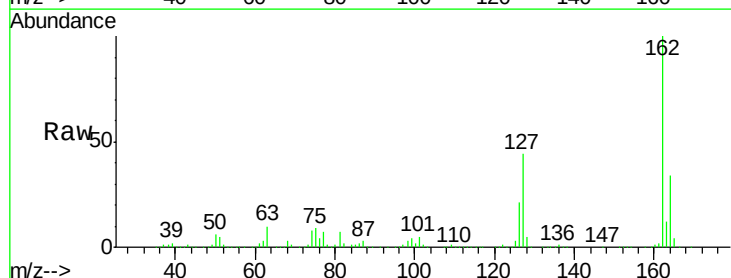
Tgt Ion:162 Resp: 1094181

Ion Ratio Lower Upper

162 100

127 43.8 36.7 55.1

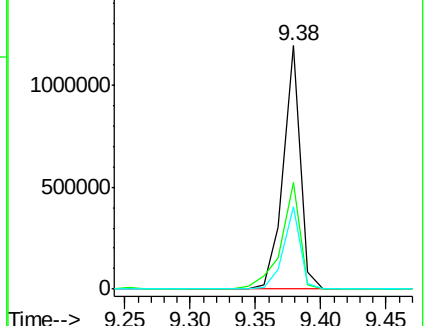
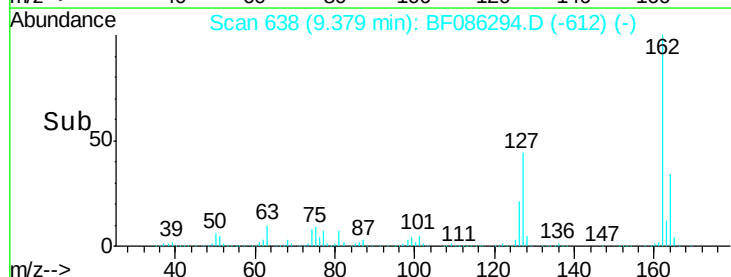
164 33.8 26.4 39.6

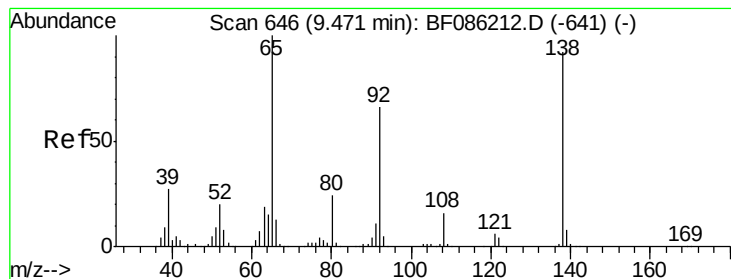


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 45.49 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

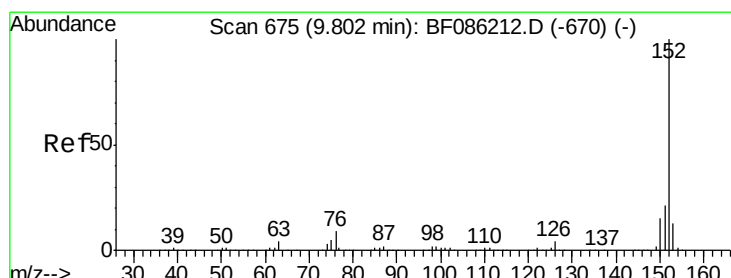
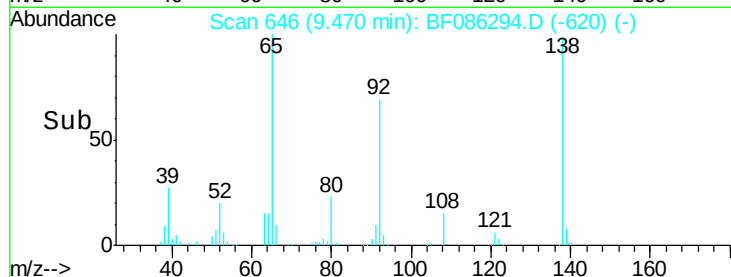
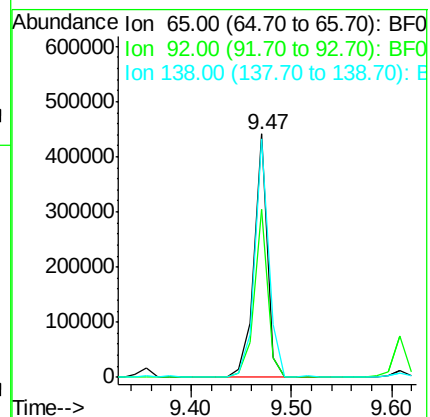
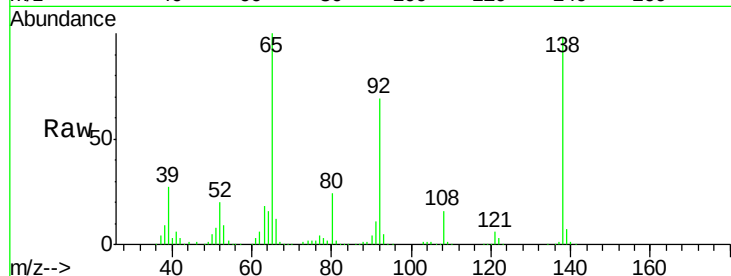
Tgt Ion: 65 Resp: 405463

Ion Ratio Lower Upper

65 100

92 68.8 51.9 77.9

138 98.1 72.6 108.8



#48

Acenaphthylene

Concen: 38.21 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

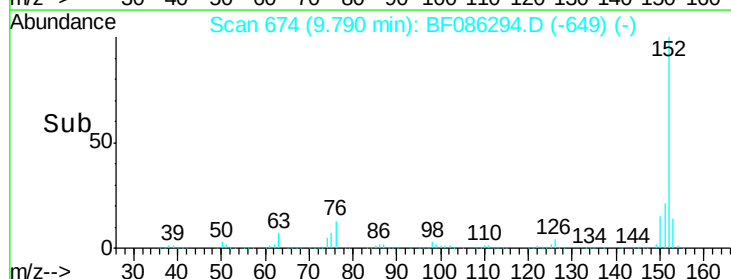
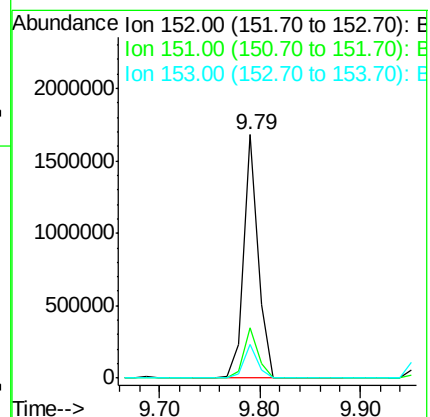
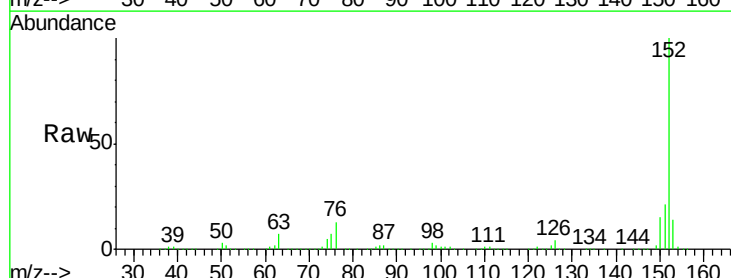
Tgt Ion: 152 Resp: 1673117

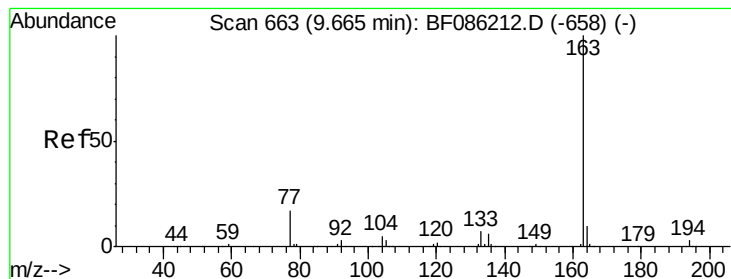
Ion Ratio Lower Upper

152 100

151 20.8 17.2 25.8

153 13.7 10.7 16.1





#49

Dimethylphthalate

Concen: 47.13 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

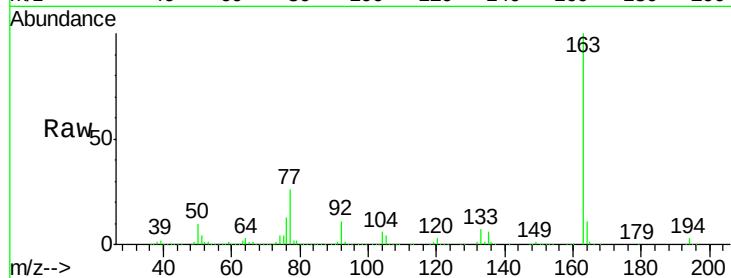
Tgt Ion:163 Resp: 1604247

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

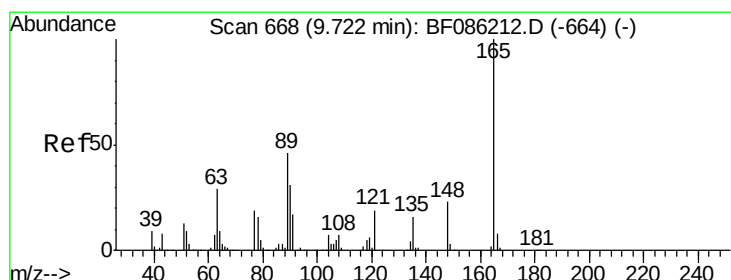
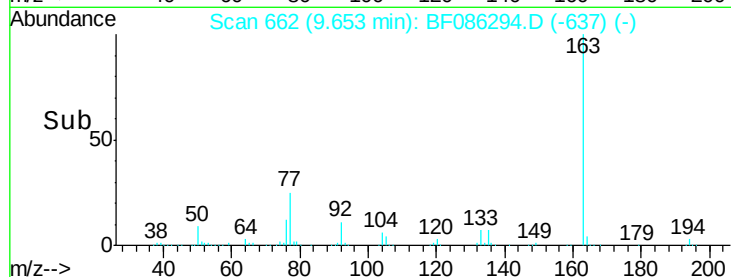
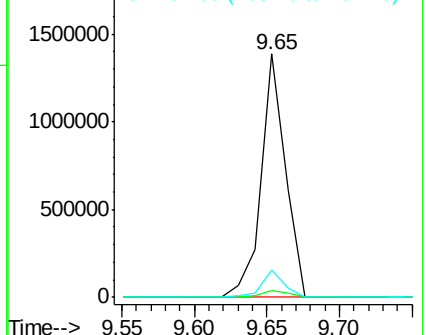
164 11.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 35.24 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

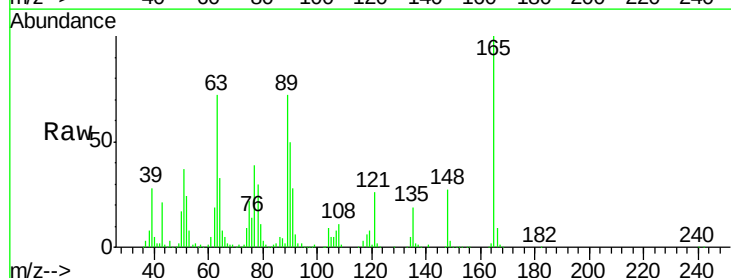
Tgt Ion:165 Resp: 265418

Ion Ratio Lower Upper

165 100

63 72.5 35.1 52.7#

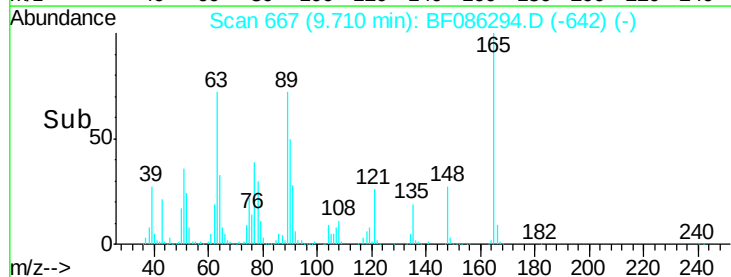
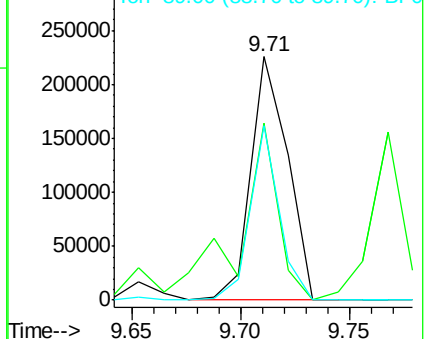
89 71.8 39.8 59.6#

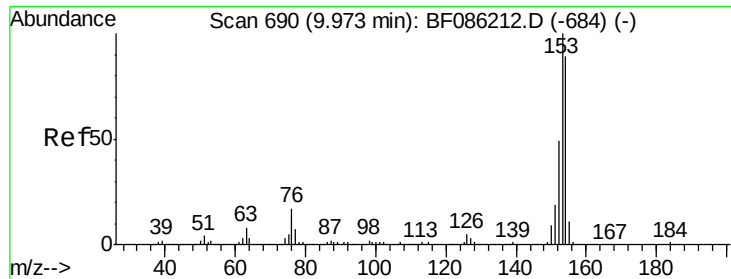


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 37.24 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

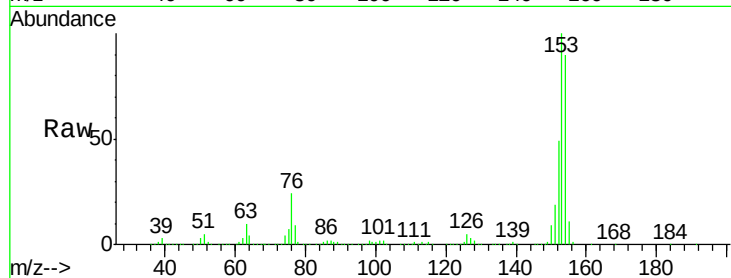
Tgt Ion:154 Resp: 973919

Ion Ratio Lower Upper

154 100

153 111.7 90.0 135.0

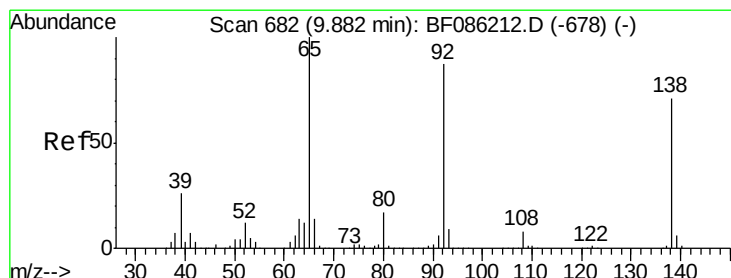
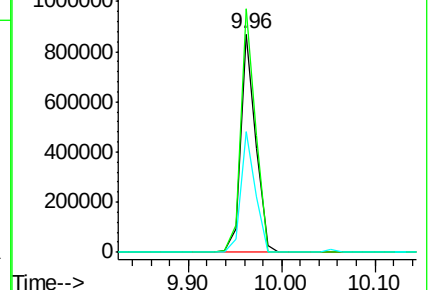
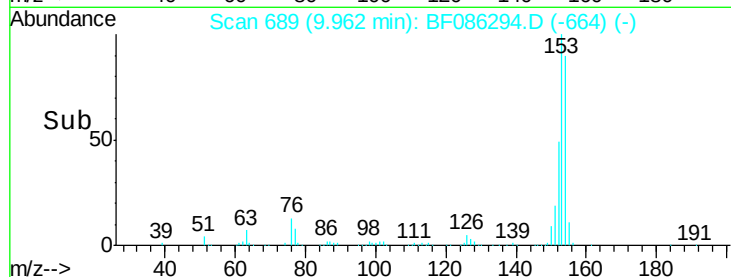
152 55.2 44.3 66.5



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: 35.28 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

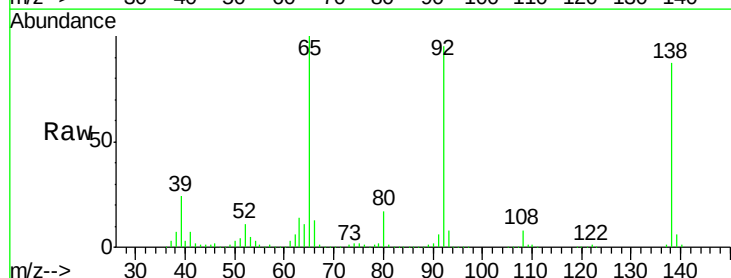
Tgt Ion:138 Resp: 322921

Ion Ratio Lower Upper

138 100

108 9.6 9.0 13.4

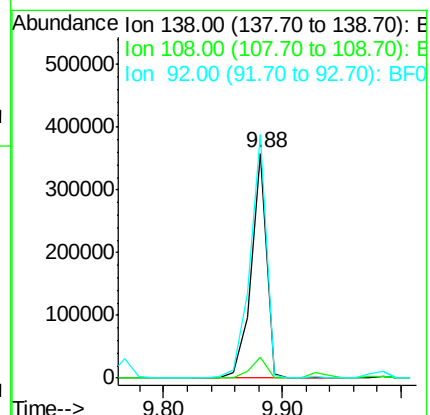
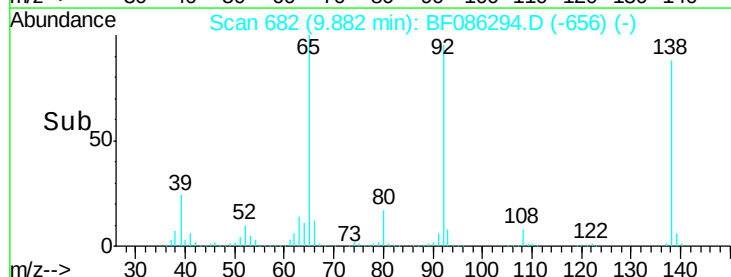
92 108.5 99.3 148.9

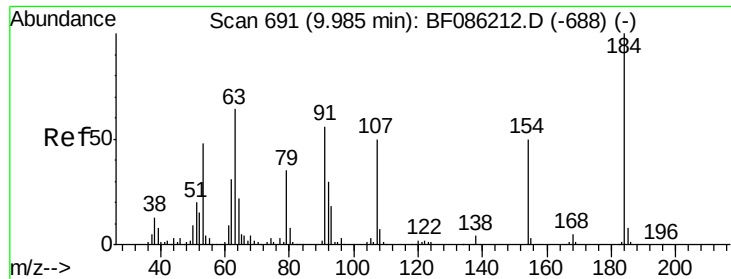


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

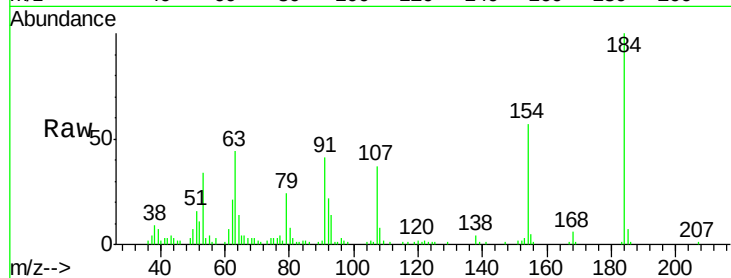




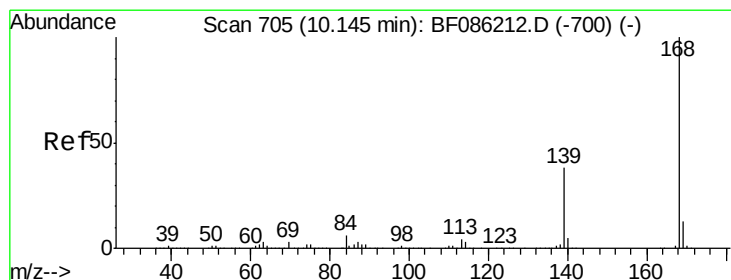
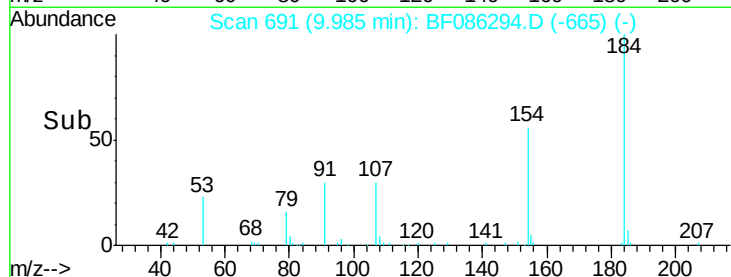
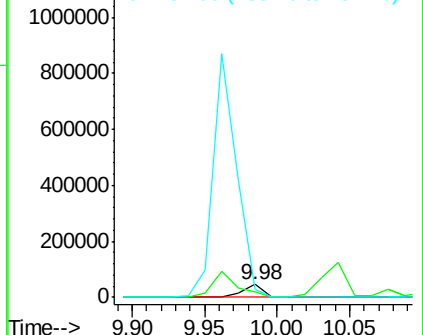
#53  
2,4-Dinitrophenol  
Concen: 19.07 ng  
RT: 9.98 min Scan# 691  
Delta R.T. 0.00 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-A(0-2)MSD

Tgt Ion:184 Resp: 43508  
Ion Ratio Lower Upper  
184 100  
63 44.0 64.7 97.1#  
154 57.3 59.4 89.2#

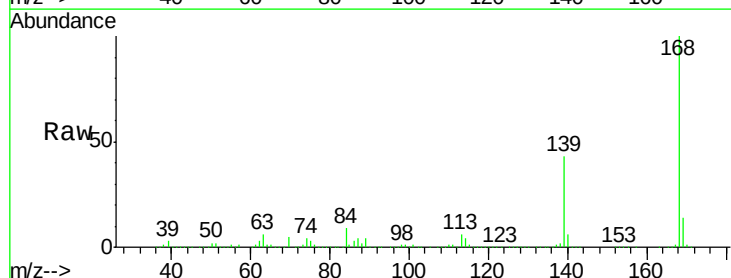


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

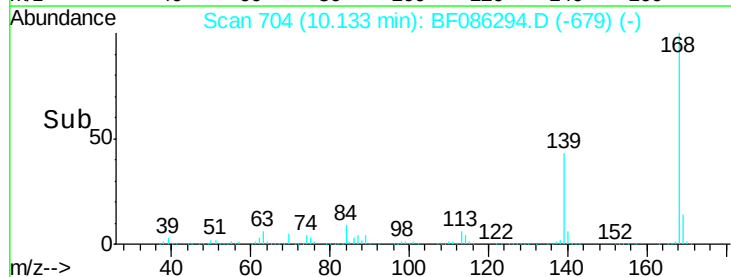
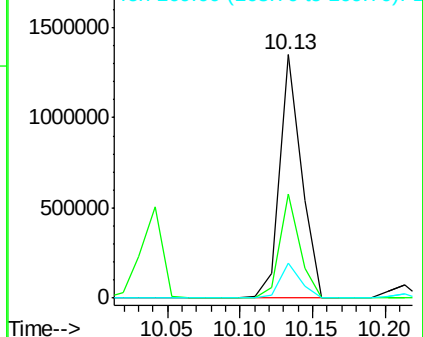


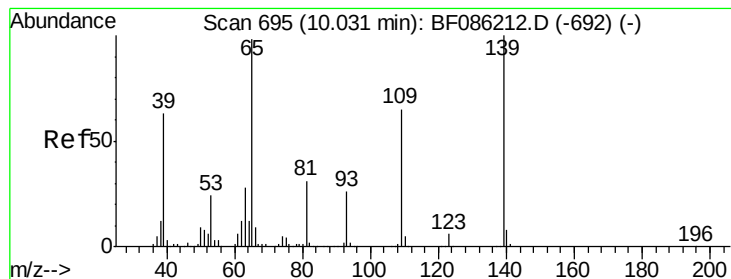
#54  
Dibenzofuran  
Concen: 40.42 ng  
RT: 10.13 min Scan# 704  
Delta R.T. -0.01 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

Tgt Ion:168 Resp: 1396282  
Ion Ratio Lower Upper  
168 100  
139 42.6 29.5 44.3  
169 14.2 10.6 16.0



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





#55

4-Nitrophenol

Concen: 74.51 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

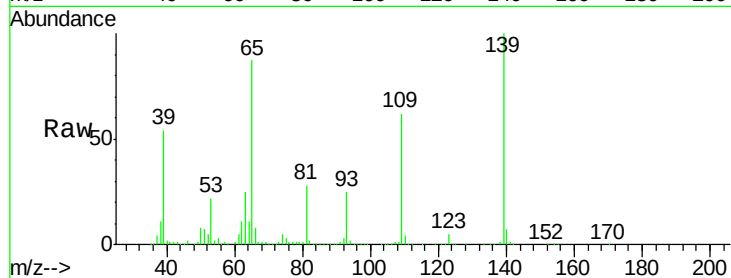
Tgt Ion:139 Resp: 533538

Ion Ratio Lower Upper

139 100

109 62.1 55.0 95.0

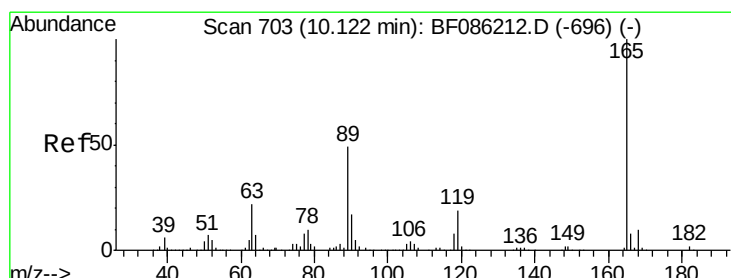
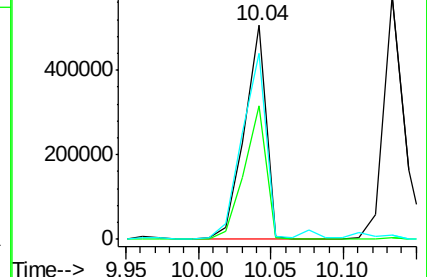
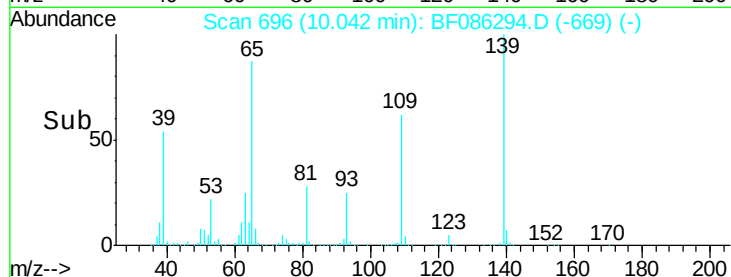
65 87.1 87.3 127.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 34.68 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion:165 Resp: 334442

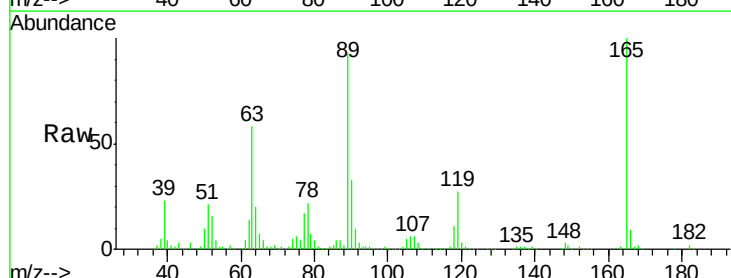
Ion Ratio Lower Upper

165 100

63 57.5 26.6 40.0#

89 93.4 49.5 74.3#

182 2.2 1.9 2.9

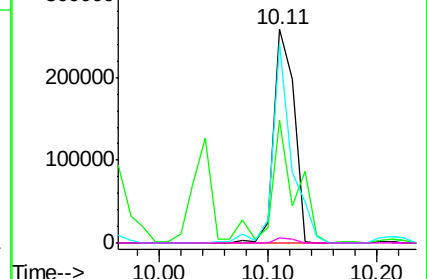
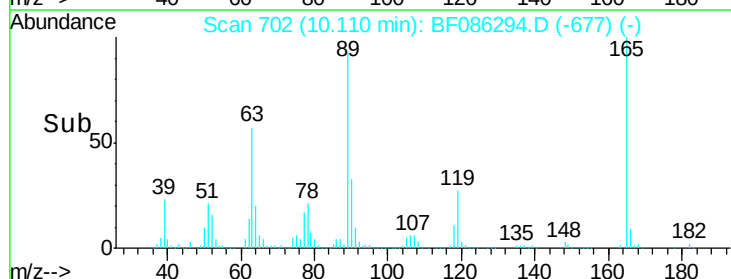


Abundance Ion 165.00 (164.70 to 165.70): E

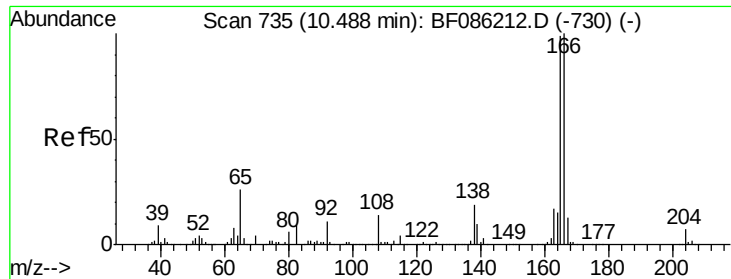
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



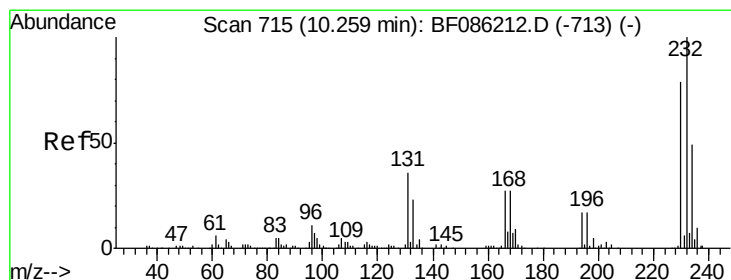
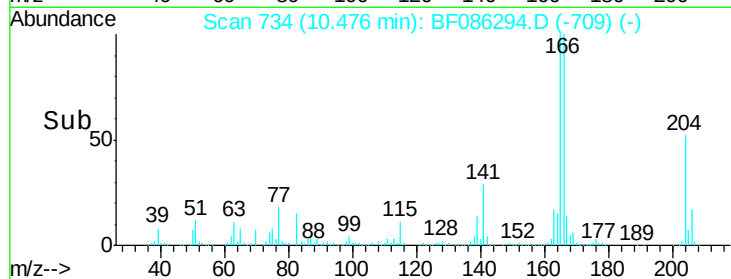
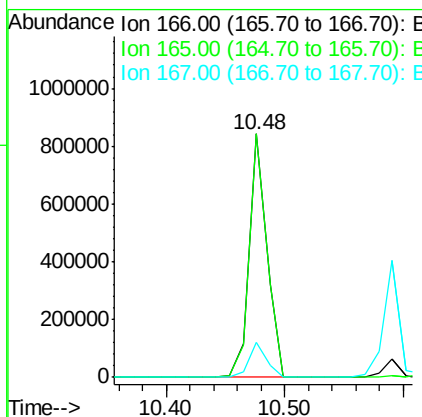
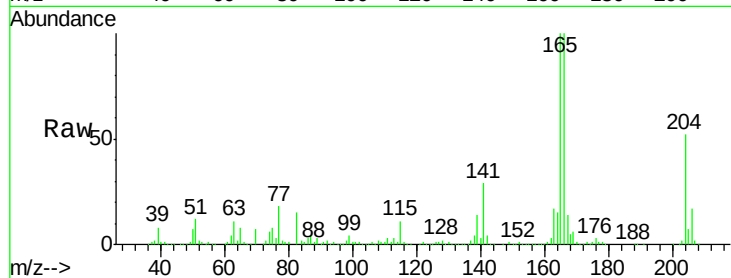




#57  
 Fluorene  
 Concen: 36.76 ng  
 RT: 10.48 min Scan# 734  
 Delta R.T. -0.01 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

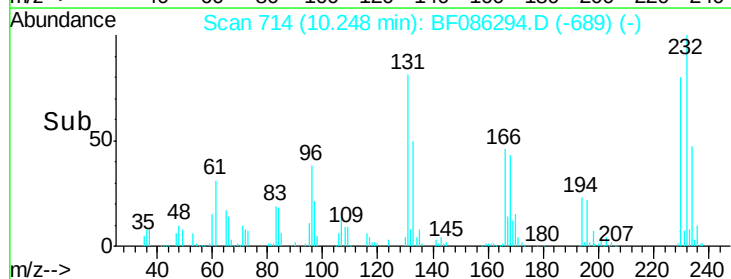
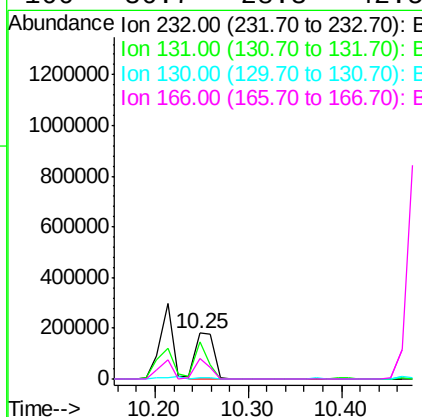
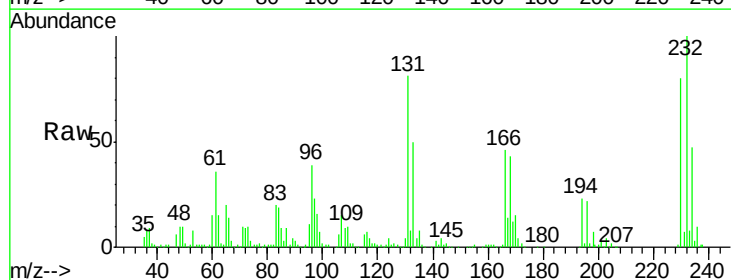
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

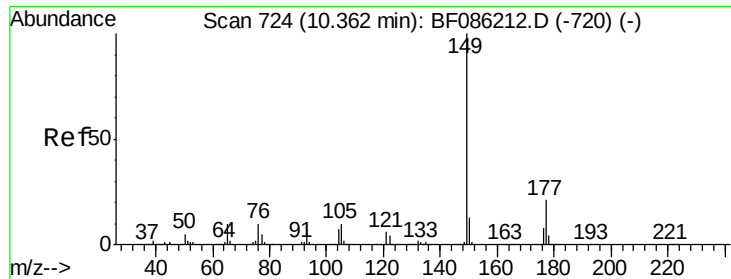
Tgt Ion:166 Resp: 883570  
 Ion Ratio Lower Upper  
 166 100  
 165 100.0 78.6 117.8  
 167 14.2 10.4 15.6



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 38.71 ng  
 RT: 10.25 min Scan# 714  
 Delta R.T. -0.01 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Tgt Ion:232 Resp: 250475  
 Ion Ratio Lower Upper  
 232 100  
 131 54.8 46.6 70.0  
 130 0.0 2.5 3.7#  
 166 36.7 28.3 42.5

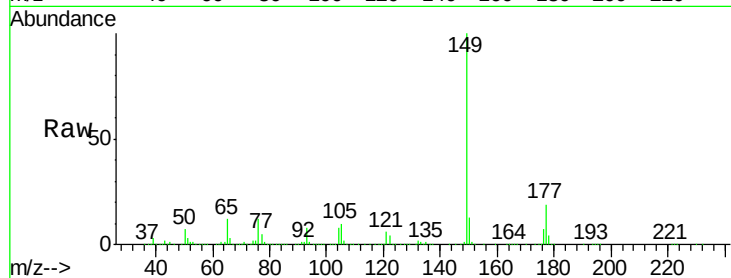




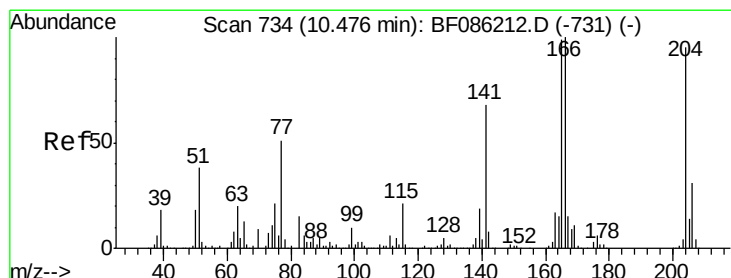
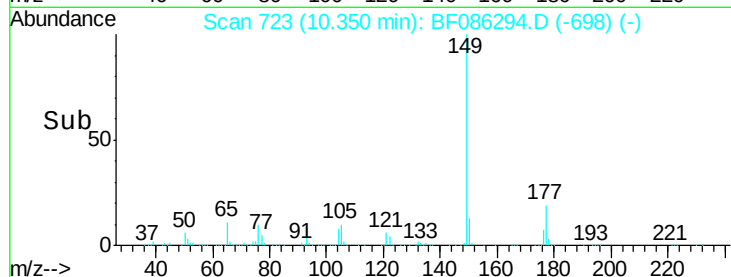
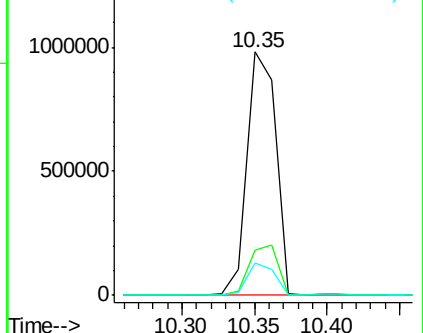
#59  
Diethylphthalate  
Concen: 38.44 ng  
RT: 10.35 min Scan# 723  
Delta R.T. -0.01 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-A(0-2)MSD

Tgt Ion:149 Resp: 1350760  
Ion Ratio Lower Upper  
149 100  
177 18.7 17.0 25.6  
150 13.2 10.2 15.4

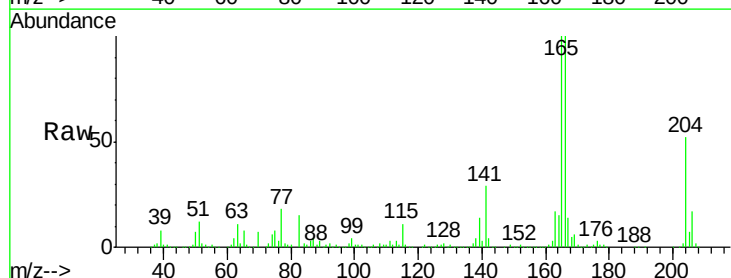


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

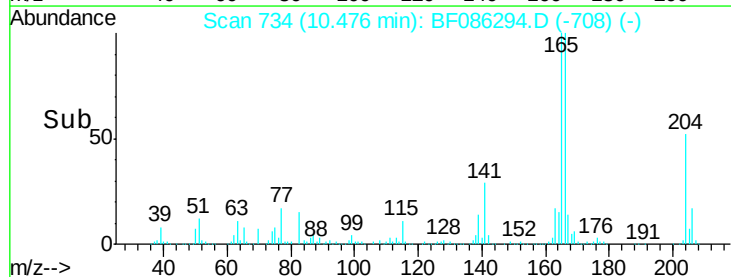
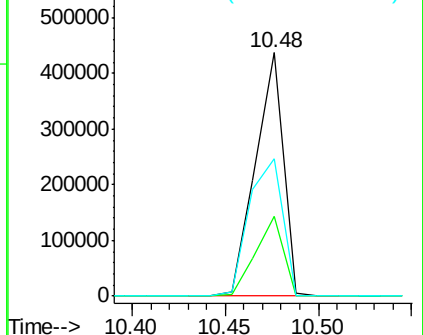


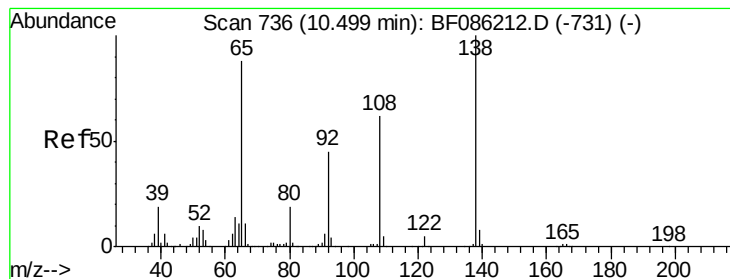
#60  
4-Chlorophenyl-phenylether  
Concen: 46.06 ng  
RT: 10.48 min Scan# 734  
Delta R.T. 0.00 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

Tgt Ion:204 Resp: 450610  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.2 39.2  
141 56.2 55.4 83.0



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: 37.44 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

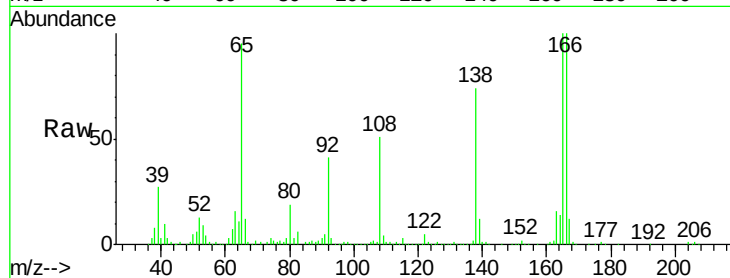
Tgt Ion:138 Resp: 296193

Ion Ratio Lower Upper

138 100

92 55.5 31.9 71.9

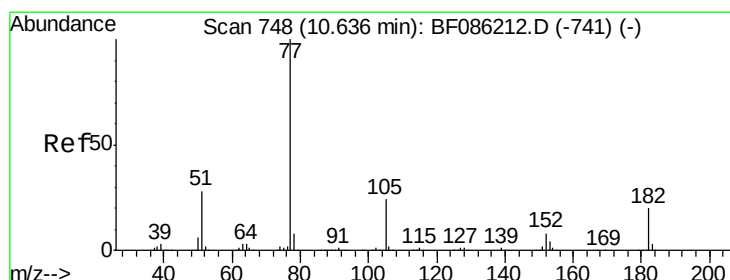
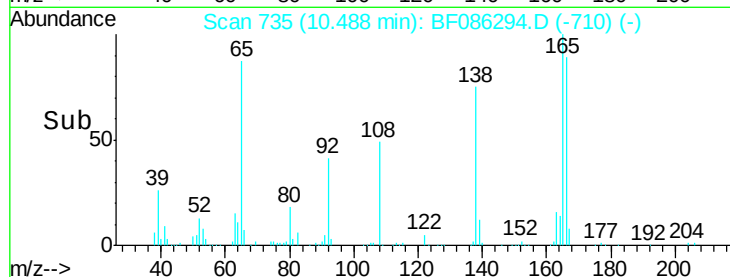
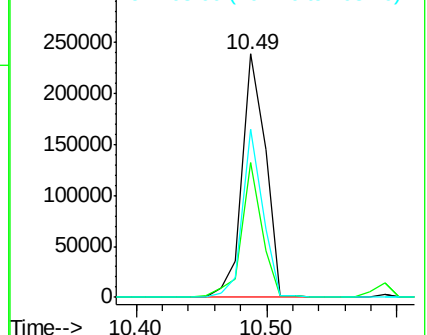
108 69.3 58.7 98.7



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: 41.27 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Tgt Ion: 77 Resp: 1418701

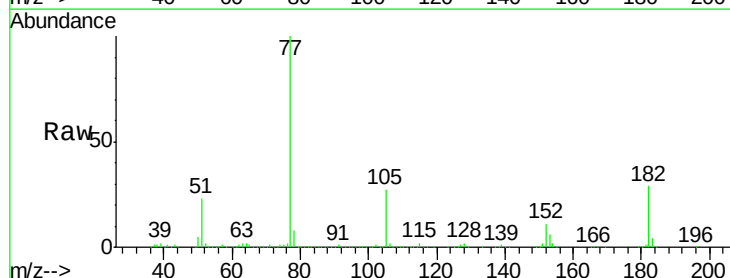
Ion Ratio Lower Upper

77 100

182 28.9 2.3 42.3

105 26.8 3.4 43.4

51 23.3 11.7 51.7

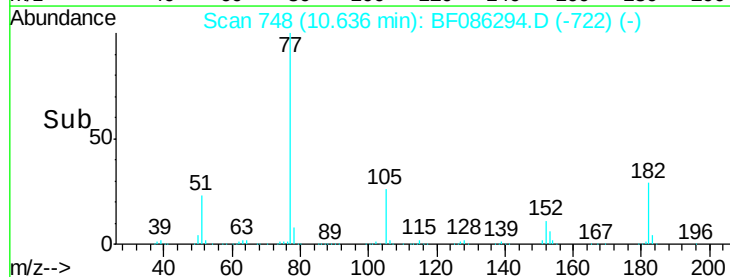
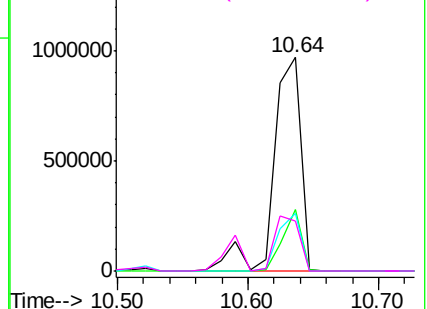


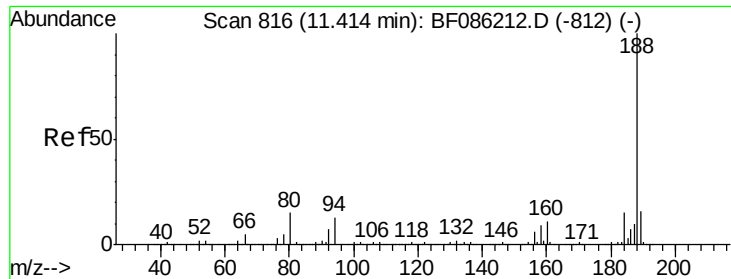
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

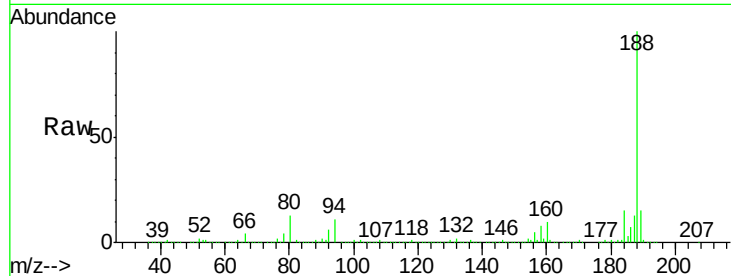
Tgt Ion:188 Resp: 724220

Ion Ratio Lower Upper

188 100

94 11.1 9.8 14.8

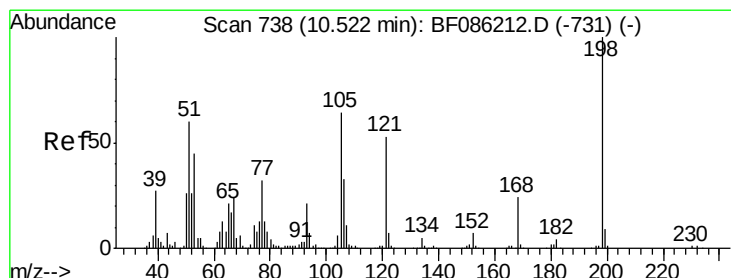
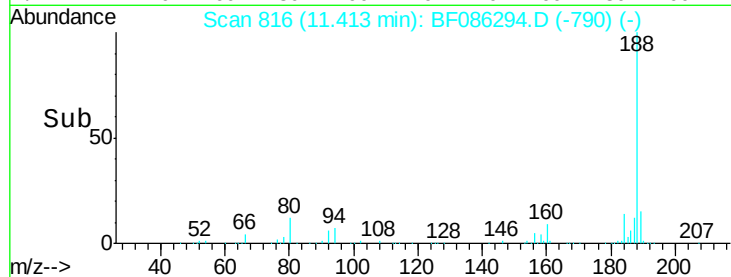
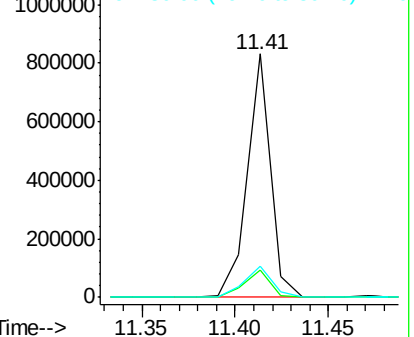
80 12.5 10.5 15.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 13.03 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

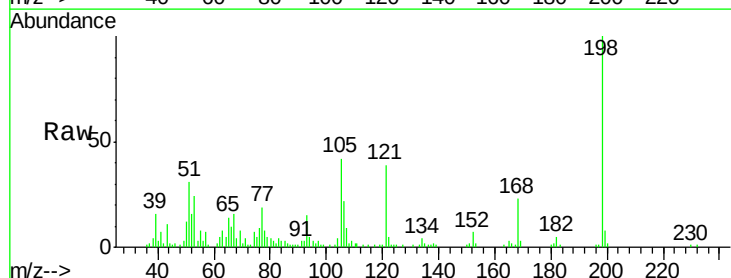
Tgt Ion:198 Resp: 44915

Ion Ratio Lower Upper

198 100

51 30.6 56.5 96.5#

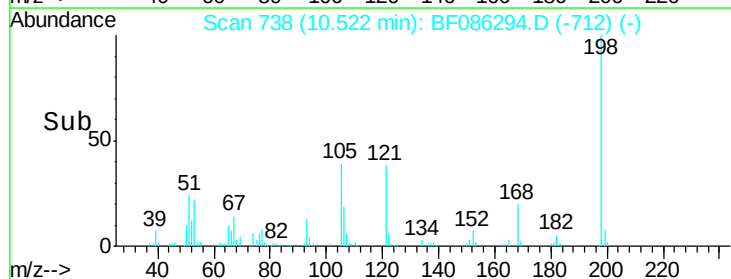
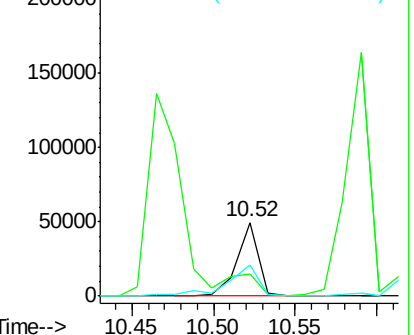
105 41.9 48.0 88.0#

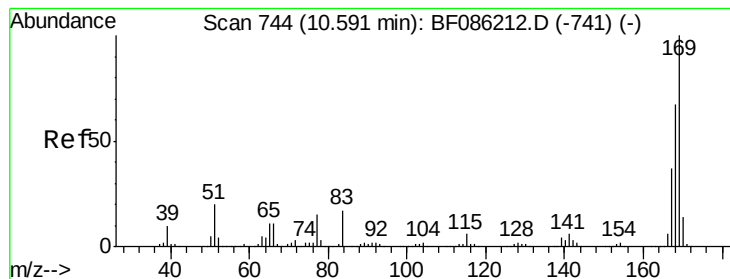


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

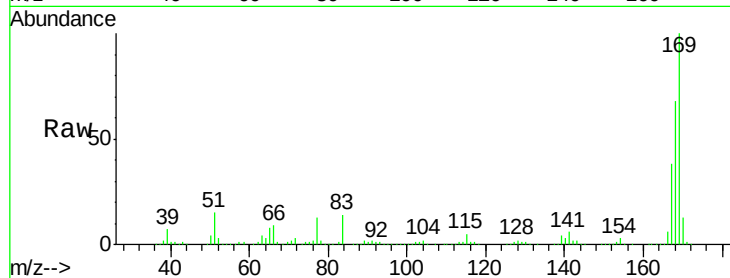




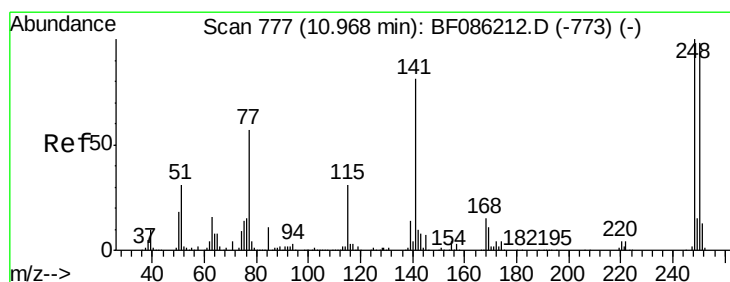
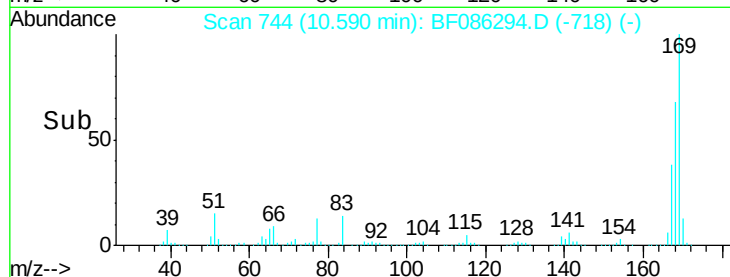
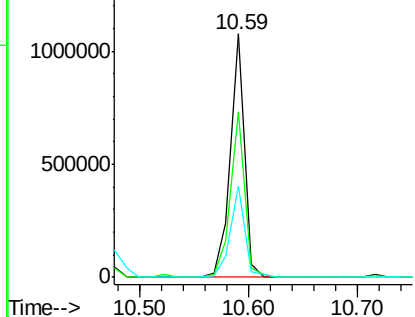
#65  
 n-Nitrosodiphenylamine  
 Concen: 43.27 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. -0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

Tgt Ion:169 Resp: 959784  
 Ion Ratio Lower Upper  
 169 100  
 168 67.8 54.3 81.5  
 167 37.5 30.2 45.2

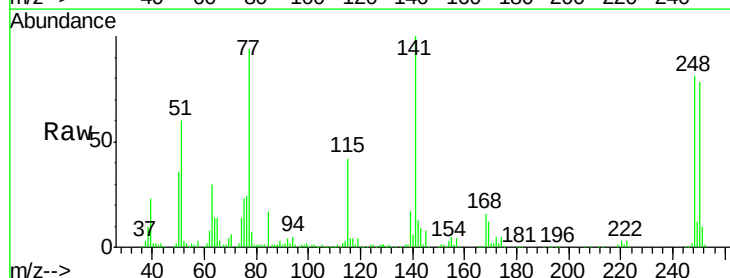


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

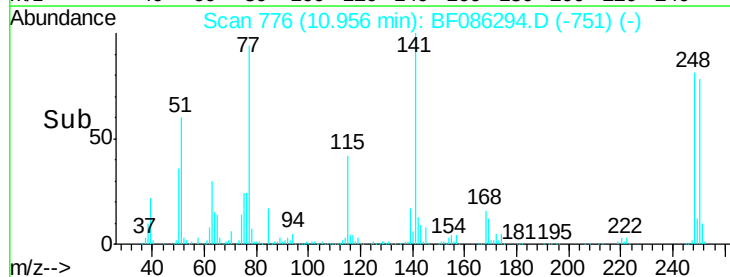
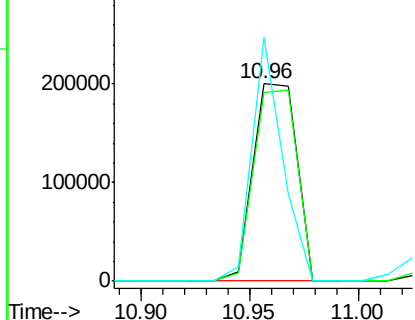


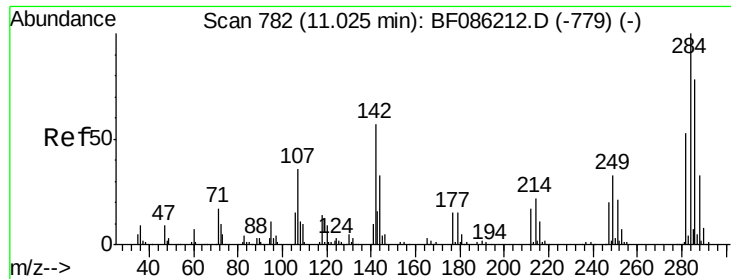
#66  
 4-Bromophenyl-phenylether  
 Concen: 41.50 ng  
 RT: 10.96 min Scan# 776  
 Delta R.T. -0.01 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Tgt Ion:248 Resp: 280085  
 Ion Ratio Lower Upper  
 248 100  
 250 95.7 78.6 118.0  
 141 123.5 57.9 86.9#



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

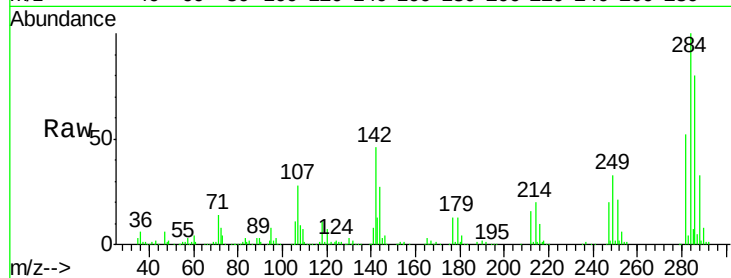




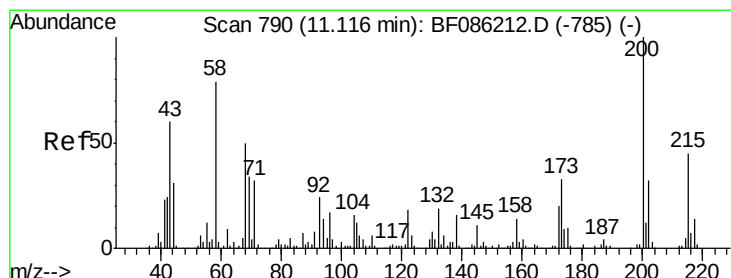
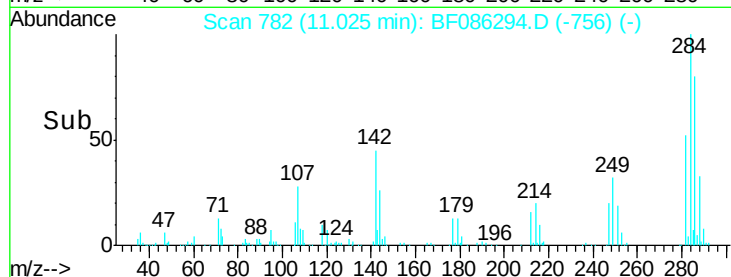
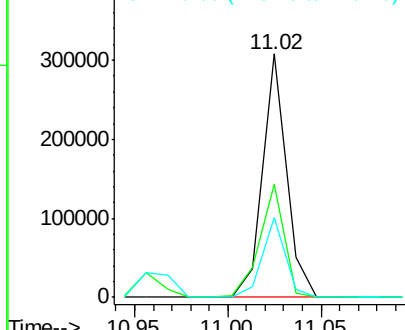
#67  
Hexachlorobenzene  
Concen: 38.46 ng  
RT: 11.02 min Scan# 782  
Delta R.T. 0.00 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-A(0-2)MSD

Tgt Ion:284 Resp: 272019  
Ion Ratio Lower Upper  
284 100  
142 46.4 42.6 64.0  
249 32.5 25.9 38.9

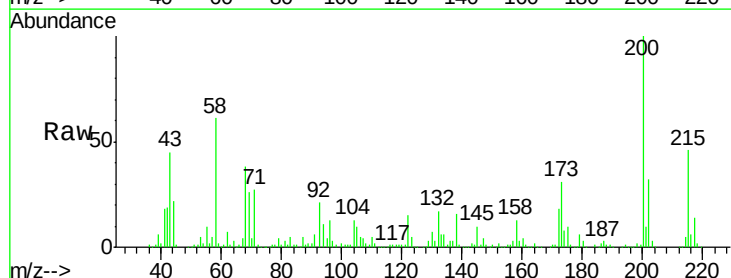


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

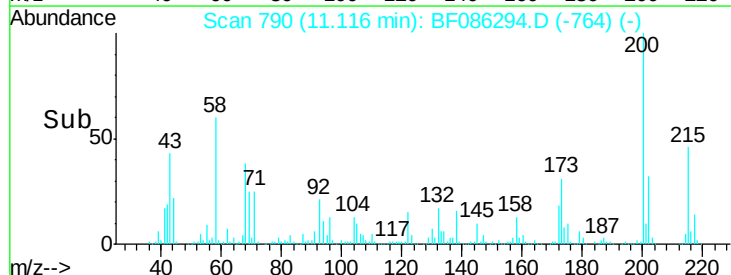
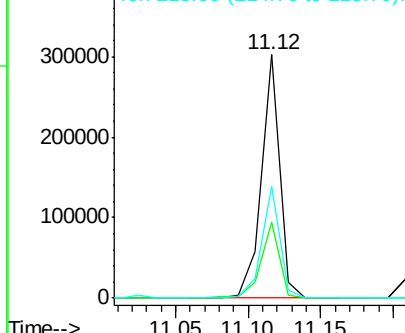


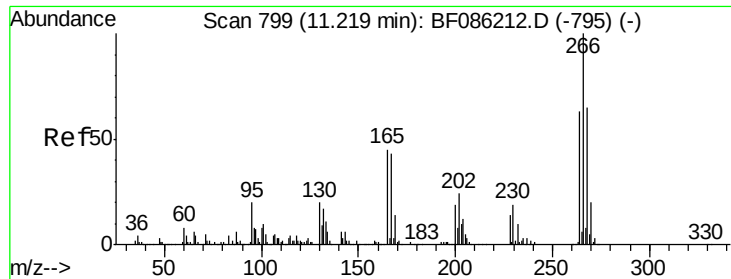
#68  
Atrazine  
Concen: 38.79 ng  
RT: 11.12 min Scan# 790  
Delta R.T. -0.00 min  
Lab File: BF086294.D  
Acq: 18 Apr 2016 21:03

Tgt Ion:200 Resp: 263649  
Ion Ratio Lower Upper  
200 100  
173 31.1 11.2 51.2  
215 46.1 24.0 64.0



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

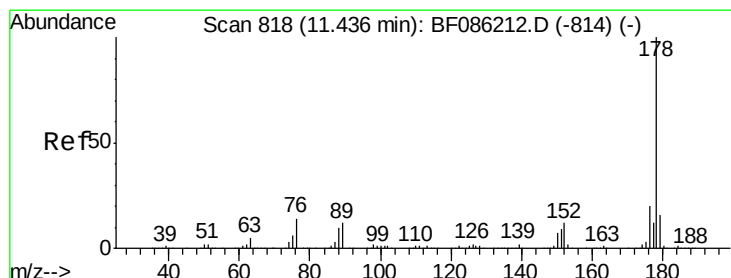
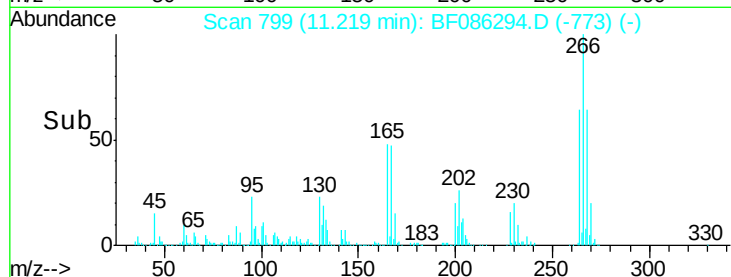
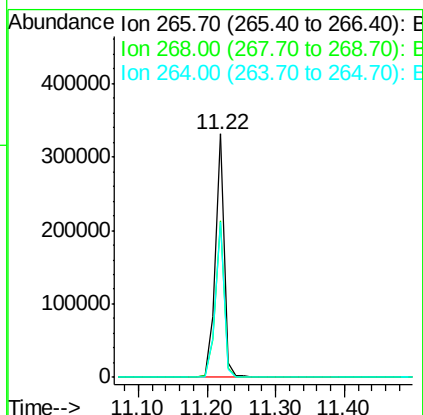
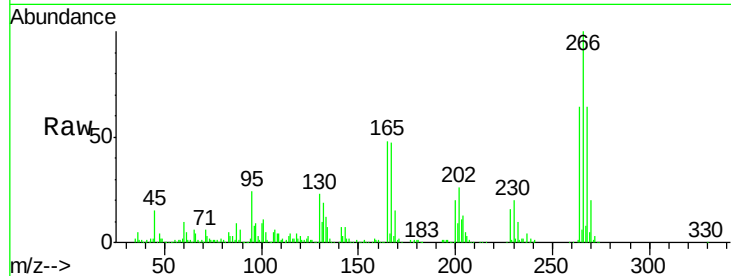




#69  
 Pentachlorophenol  
 Concen: 71.19 ng  
 RT: 11.22 min Scan# 799  
 Delta R.T. -0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

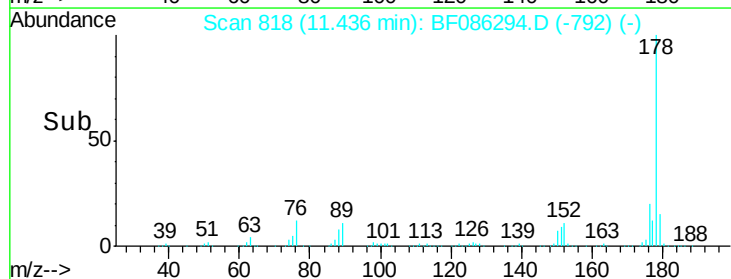
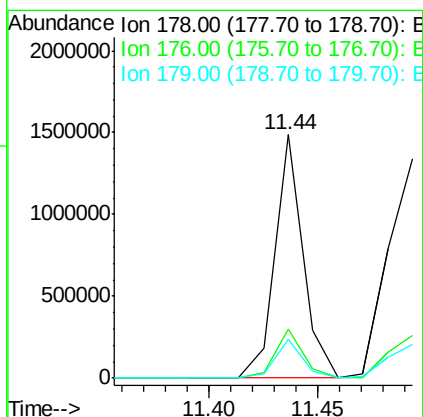
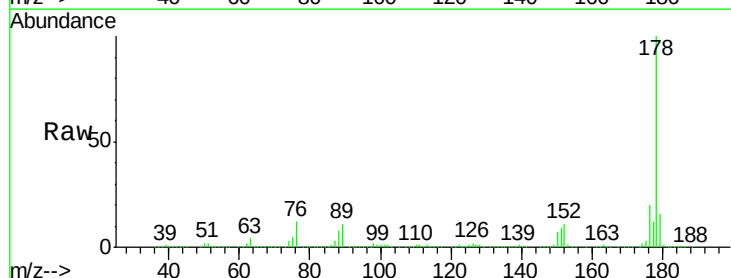
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

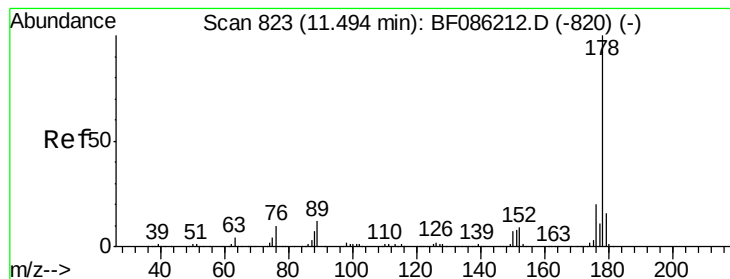
Tgt Ion:266 Resp: 305349  
 Ion Ratio Lower Upper  
 266 100  
 268 64.3 53.0 79.4  
 264 63.8 51.3 76.9



#70  
 Phenanthrene  
 Concen: 39.00 ng  
 RT: 11.44 min Scan# 818  
 Delta R.T. 0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Tgt Ion:178 Resp: 1349210  
 Ion Ratio Lower Upper  
 178 100  
 176 20.3 16.3 24.5  
 179 16.1 13.0 19.6





#71

Anthracene

Concen: 46.65 ng

RT: 11.49 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

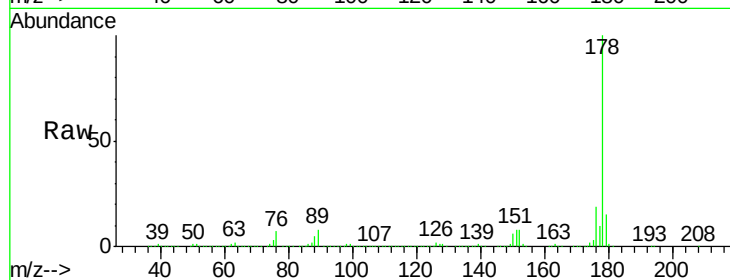
Tgt Ion:178 Resp: 1492803

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

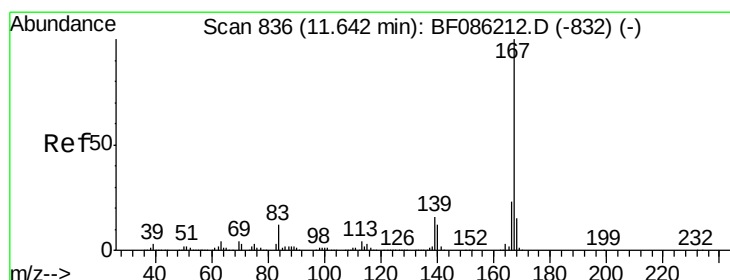
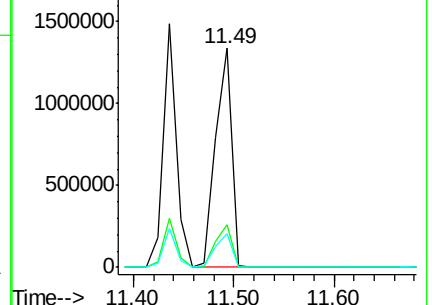
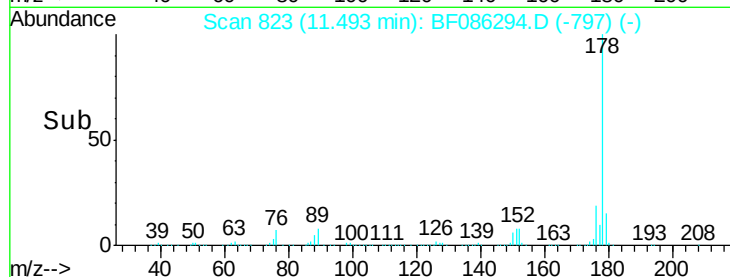
179 15.4 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 39.46 ng

RT: 11.64 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

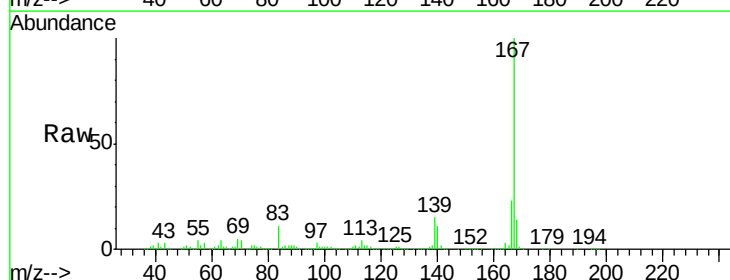
Tgt Ion:167 Resp: 1298135

Ion Ratio Lower Upper

167 100

166 22.6 18.3 27.5

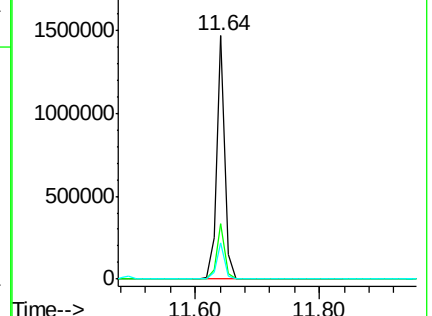
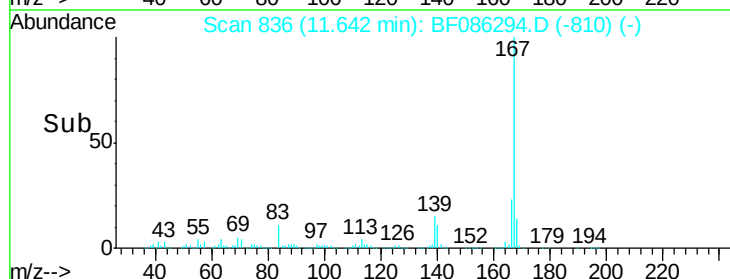
139 15.0 12.3 18.5



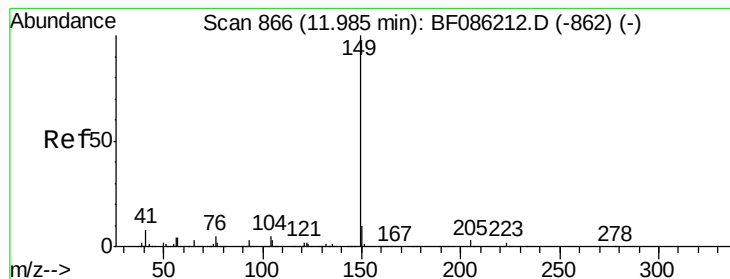
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E







#73

Di-n-butylphthalate

Concen: 41.30 ng

RT: 11.97 min Scan# 865

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

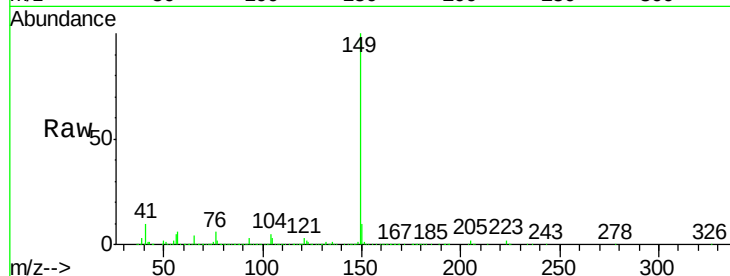
Tgt Ion:149 Resp: 1837050

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.8

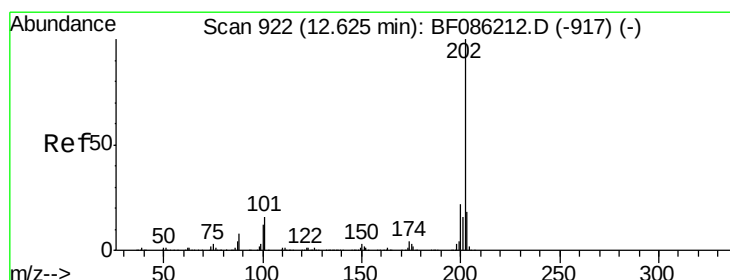
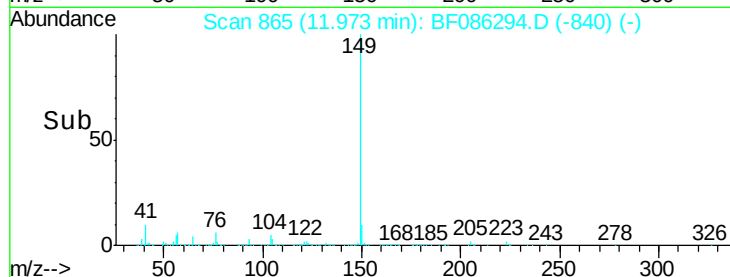
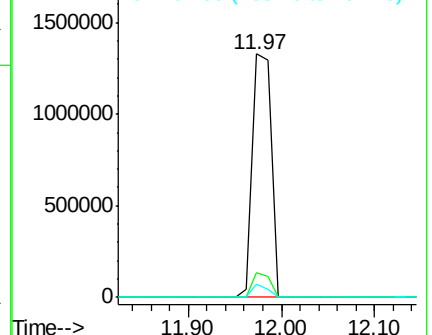
104 5.4 4.1 6.1



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: 48.90 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

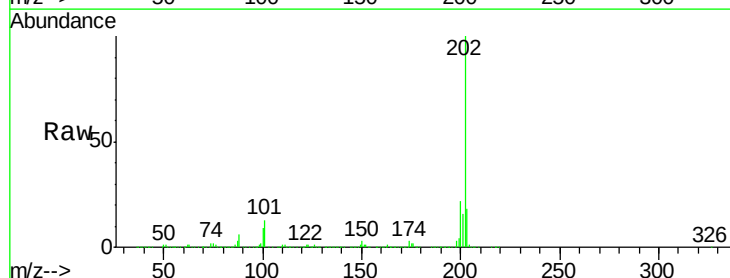
Tgt Ion:202 Resp: 1441380

Ion Ratio Lower Upper

202 100

101 13.1 0.0 35.2

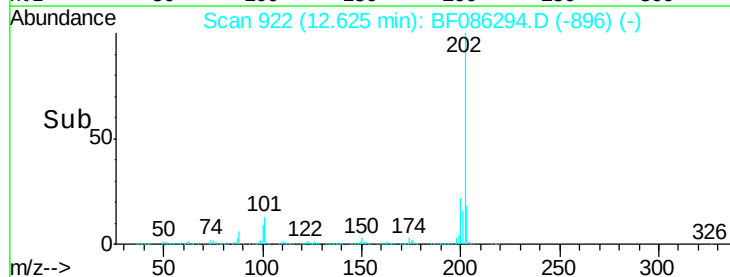
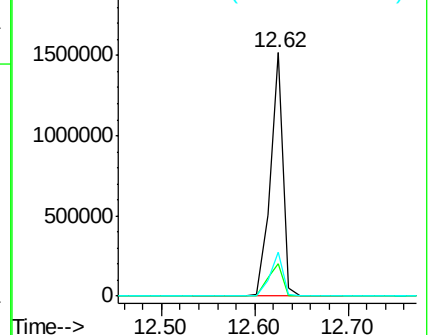
203 17.8 0.0 38.2

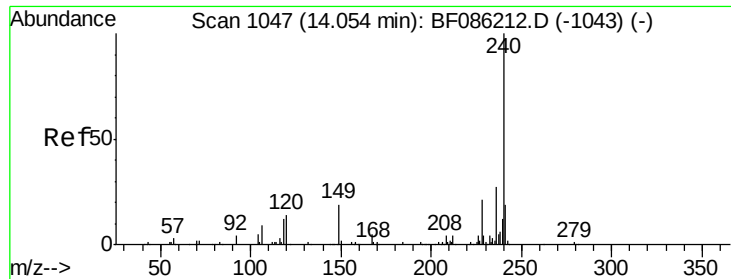


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

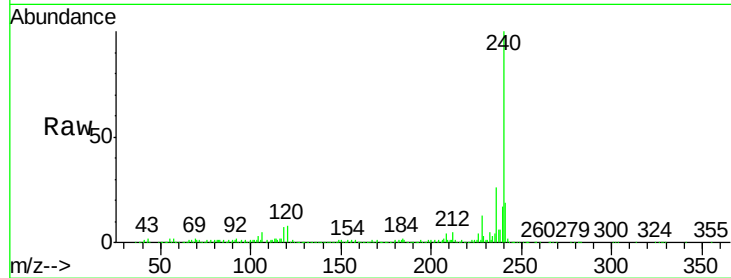
Tgt Ion:240 Resp: 432173

Ion Ratio Lower Upper

240 100

120 8.0 9.3 13.9#

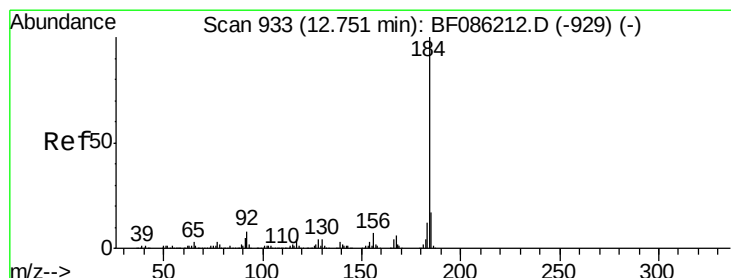
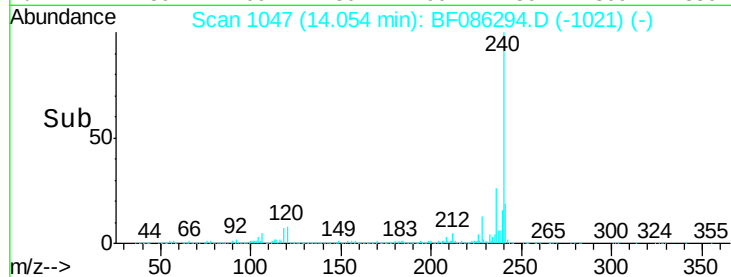
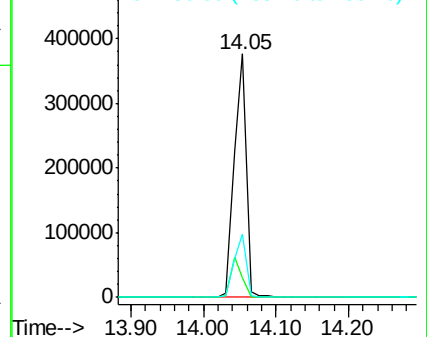
236 26.0 21.1 31.7



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: 40.11 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

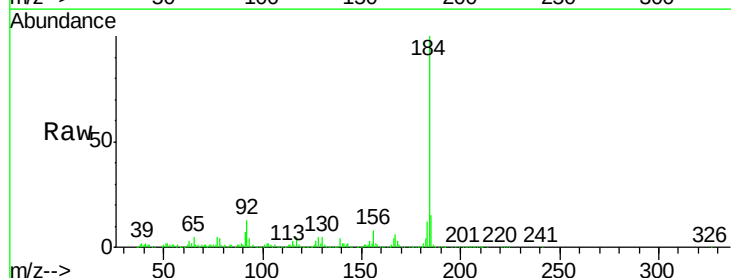
Tgt Ion:184 Resp: 672346

Ion Ratio Lower Upper

184 100

185 14.7 14.2 21.2

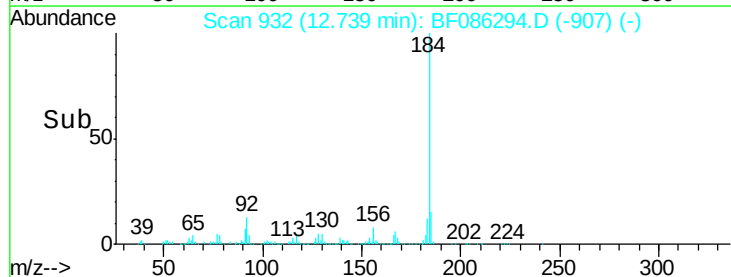
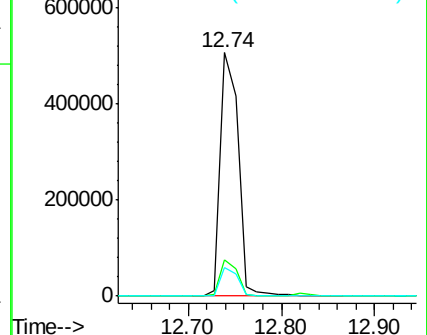
183 11.7 9.8 14.6

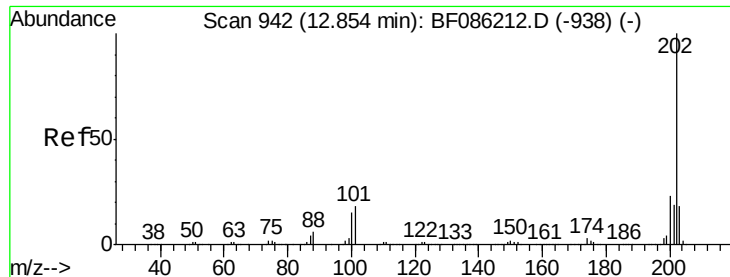


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

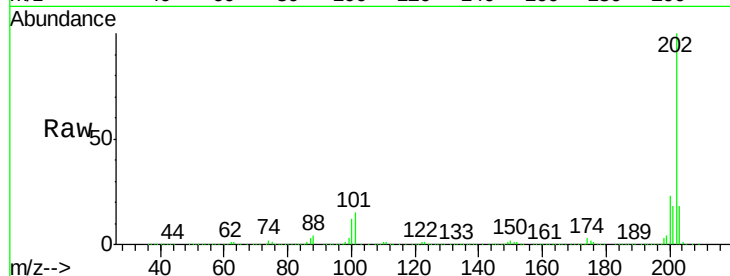




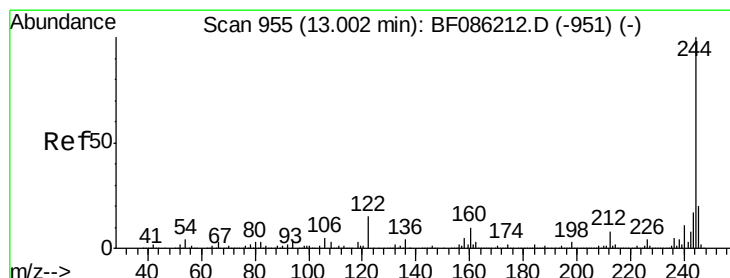
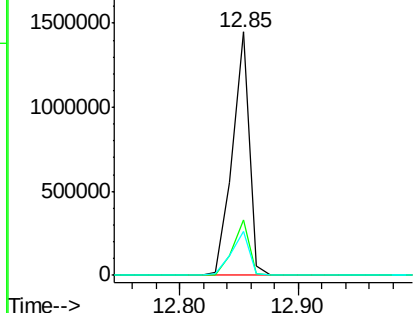
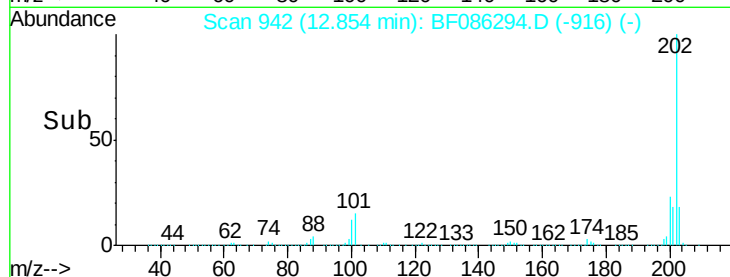
#77  
 Pyrene  
 Concen: 42.98 ng  
 RT: 12.85 min Scan# 942  
 Delta R.T. -0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

Tgt Ion: 202 Resp: 1424885  
 Ion Ratio Lower Upper  
 202 100  
 200 22.7 18.3 27.5  
 203 18.0 14.9 22.3

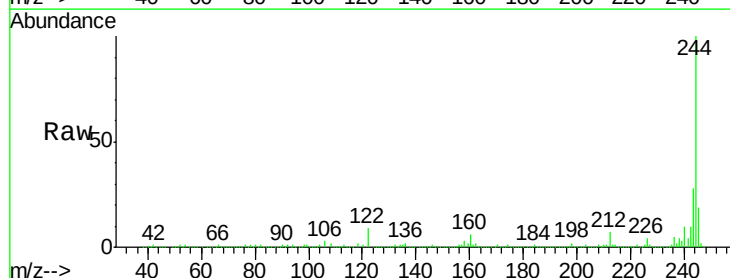


Abundance Ion 202.00 (201.70 to 202.70): E  
 2000000 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

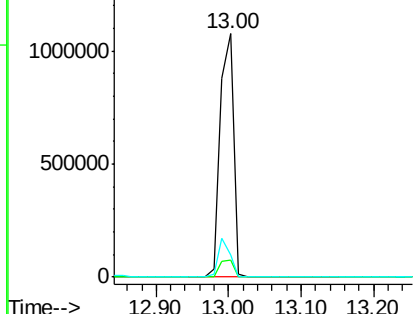
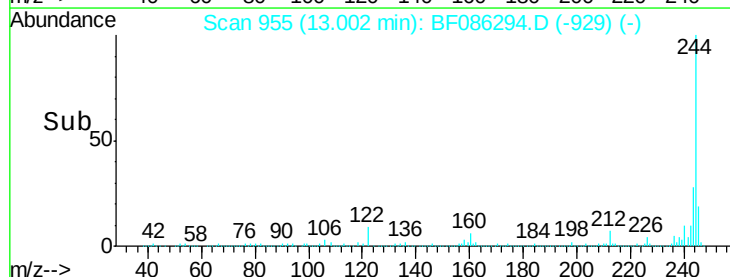


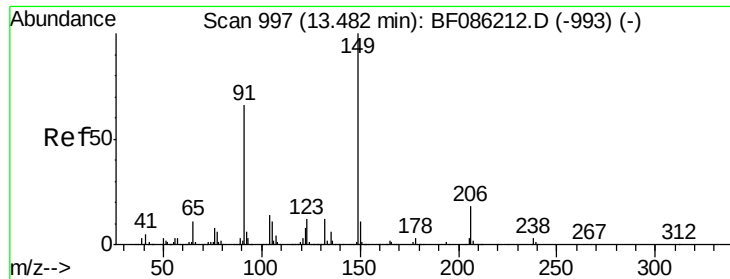
#78  
 Terphenyl-d14  
 Concen: 80.39 ng  
 RT: 13.00 min Scan# 955  
 Delta R.T. 0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Tgt Ion: 244 Resp: 1381670  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.4 9.6  
 122 8.9 11.7 17.5#



Abundance Ion 244.00 (243.70 to 244.70): E  
 1500000 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 43.97 ng

RT: 13.47 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

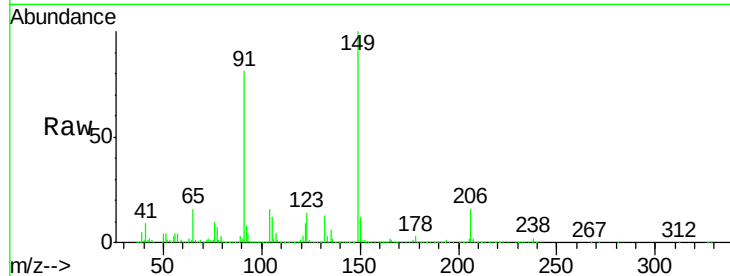
Tgt Ion:149 Resp: 673495

Ion Ratio Lower Upper

149 100

91 81.3 48.7 73.1#

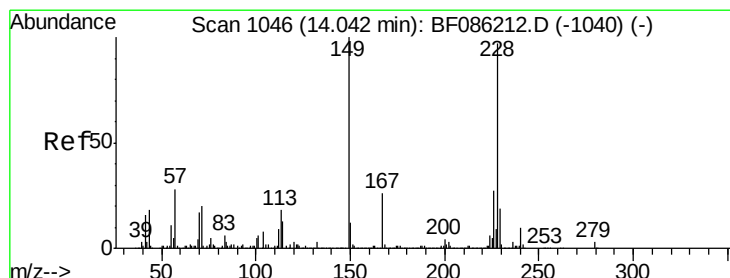
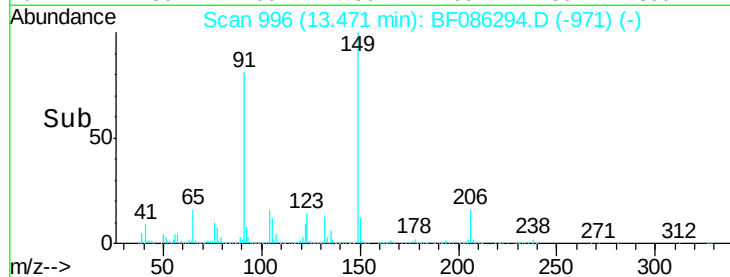
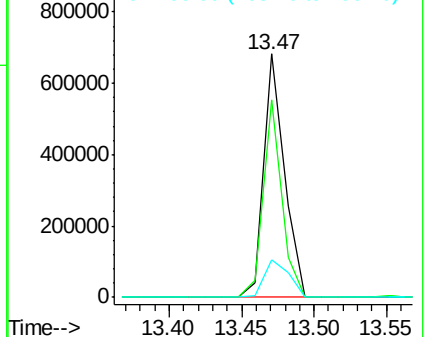
206 15.6 15.7 23.5#



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: 42.41 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

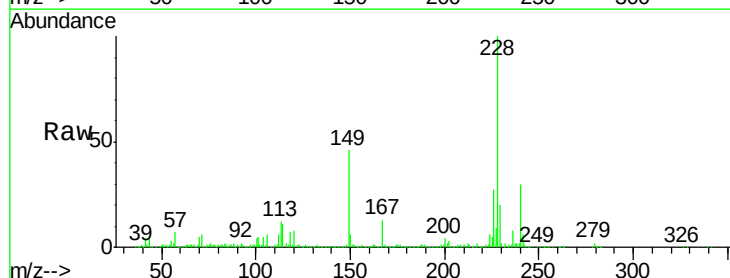
Tgt Ion:228 Resp: 1006043

Ion Ratio Lower Upper

228 100

226 27.5 22.5 33.7

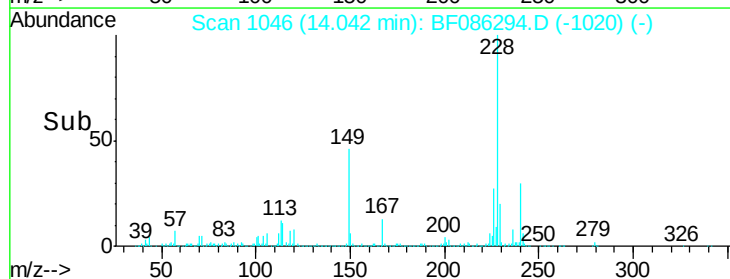
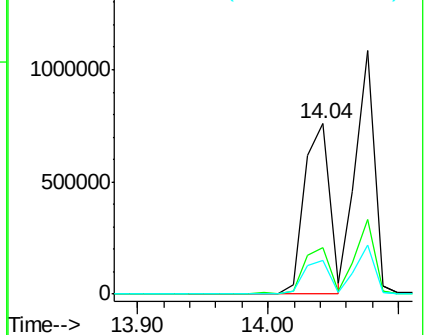
229 19.7 16.2 24.2

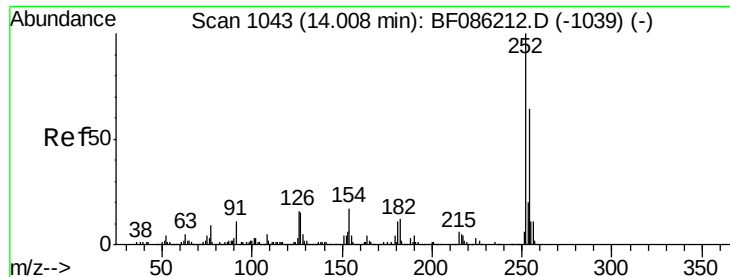


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

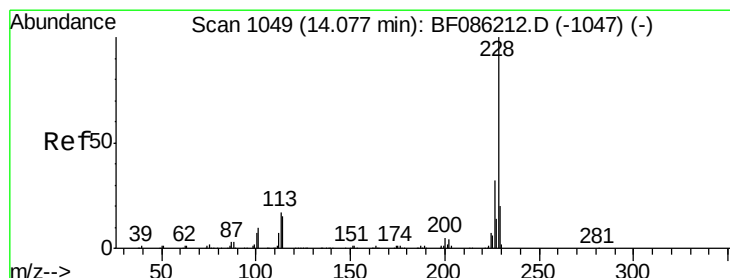
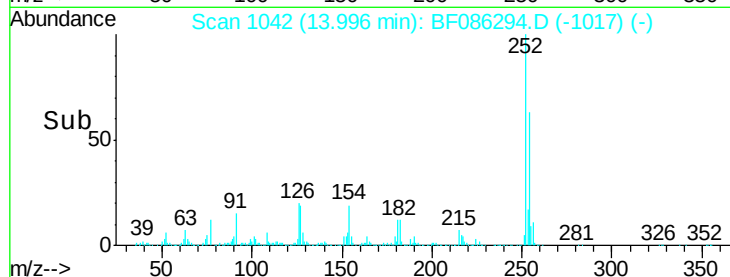
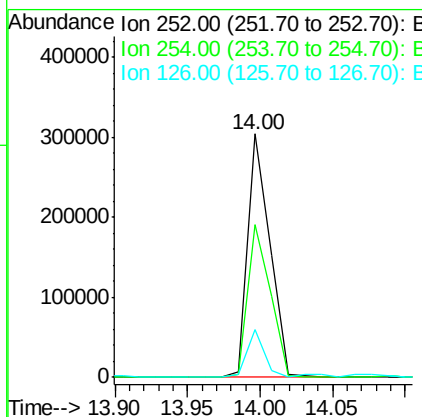
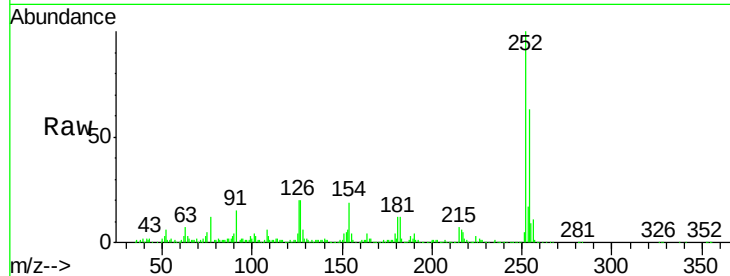




#81  
 3,3'-Dichlorobenzidine  
 Concen: 23.51 ng  
 RT: 14.00 min Scan# 1042  
 Delta R.T. -0.01 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

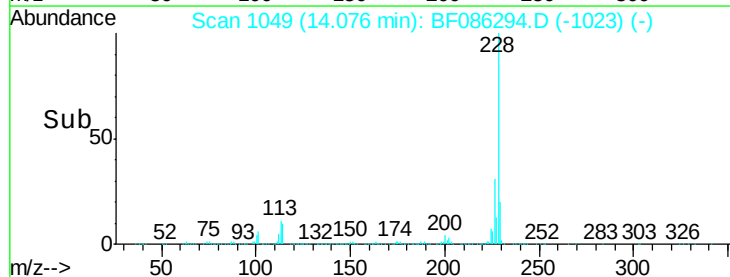
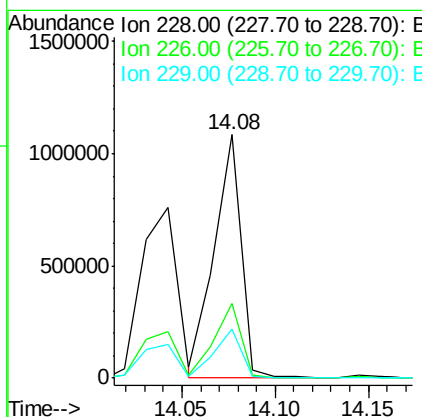
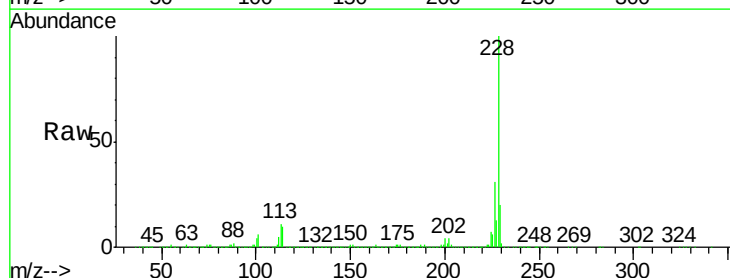
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

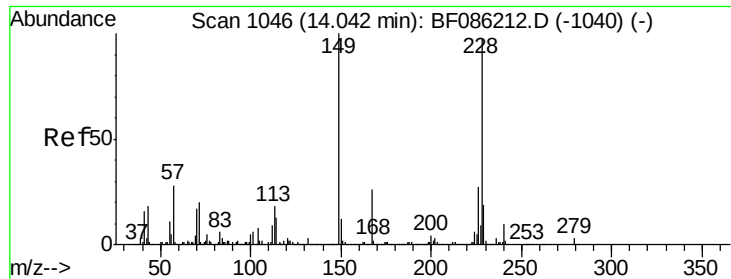
Tgt Ion:252 Resp: 323357  
 Ion Ratio Lower Upper  
 252 100  
 254 62.8 52.1 78.1  
 126 19.7 13.2 19.8



#82  
 Chrysene  
 Concen: 42.85 ng  
 RT: 14.08 min Scan# 1049  
 Delta R.T. -0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Tgt Ion:228 Resp: 1083951  
 Ion Ratio Lower Upper  
 228 100  
 226 30.7 25.4 38.2  
 229 20.2 16.5 24.7

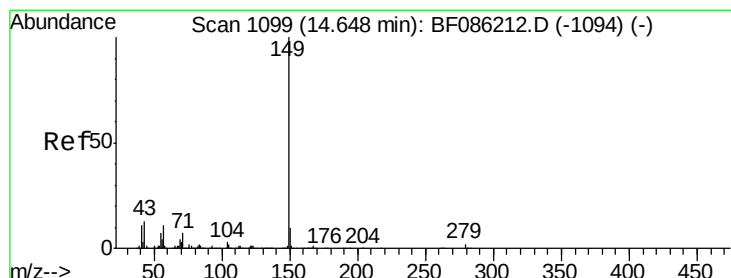
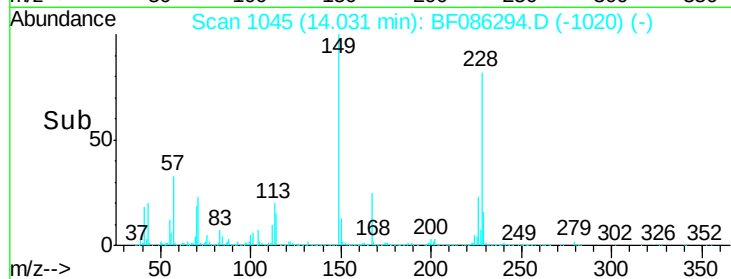
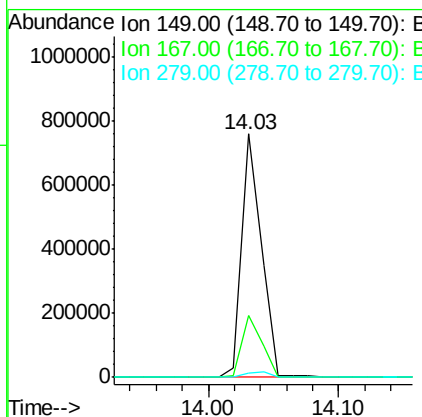
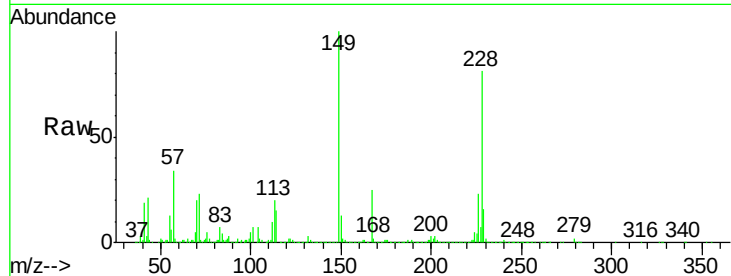




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 47.67 ng  
 RT: 14.03 min Scan# 1045  
 Delta R.T. -0.01 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

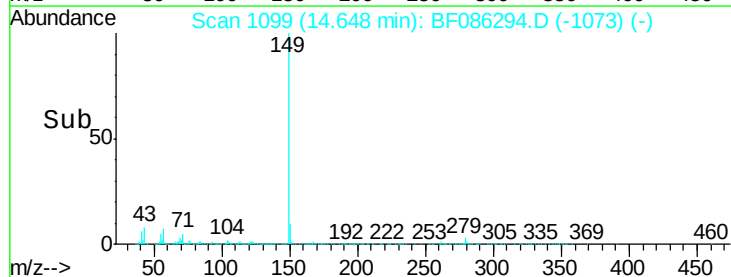
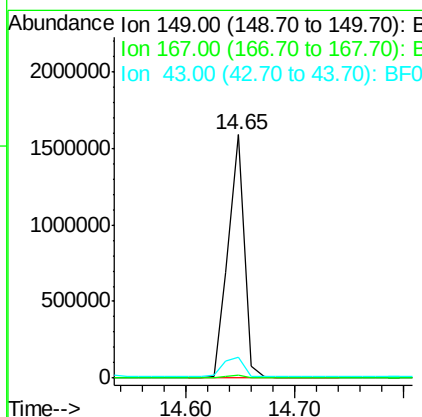
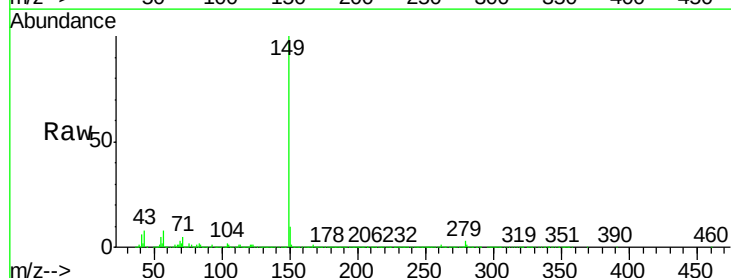
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

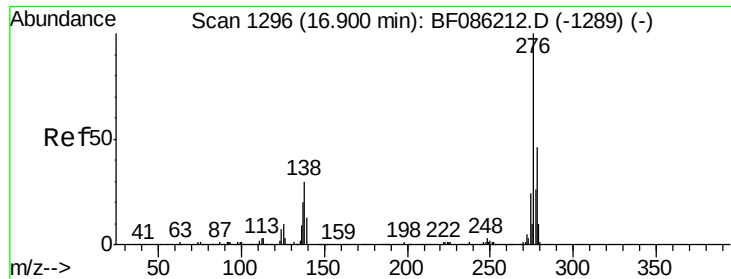
Tgt Ion:149 Resp: 788418  
 Ion Ratio Lower Upper  
 149 100  
 167 25.3 21.0 31.4  
 279 1.9 2.4 3.6#



#84  
 Di-n-octyl phthalate  
 Concen: 51.09 ng  
 RT: 14.65 min Scan# 1099  
 Delta R.T. -0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

Tgt Ion:149 Resp: 1628733  
 Ion Ratio Lower Upper  
 149 100  
 167 1.4 1.1 1.7  
 43 10.7 9.1 13.7

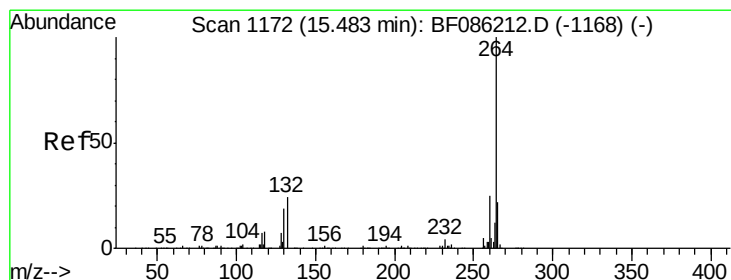
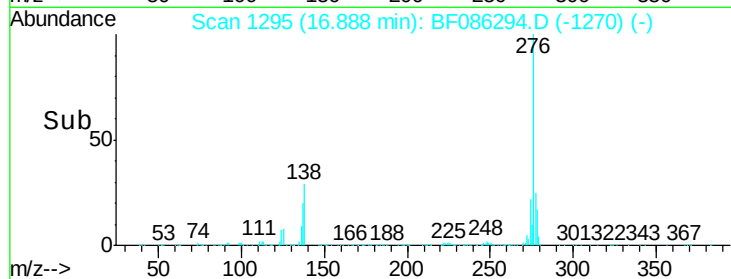
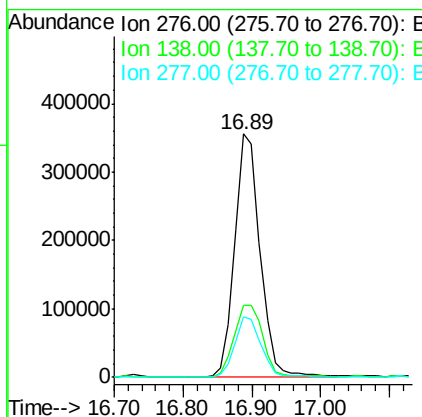
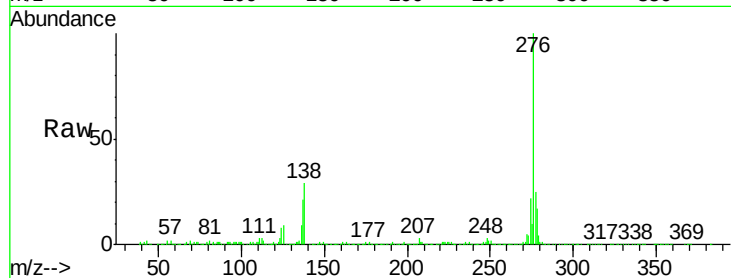




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 43.95 ng  
 RT: 16.89 min Scan# 1295  
 Delta R.T. -0.01 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

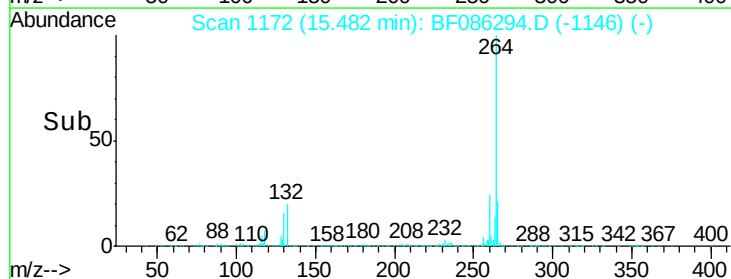
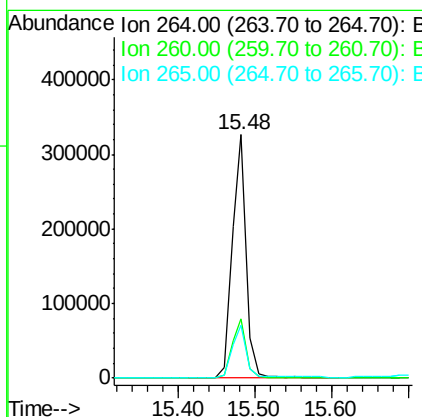
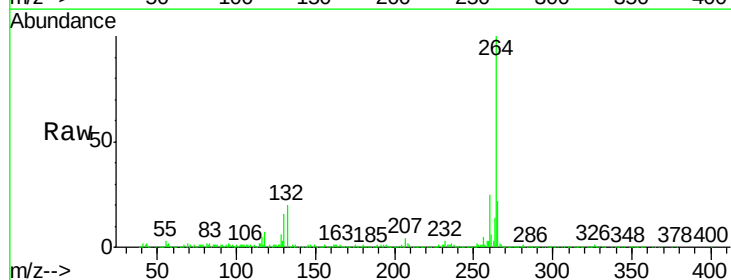
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-A(0-2)MSD

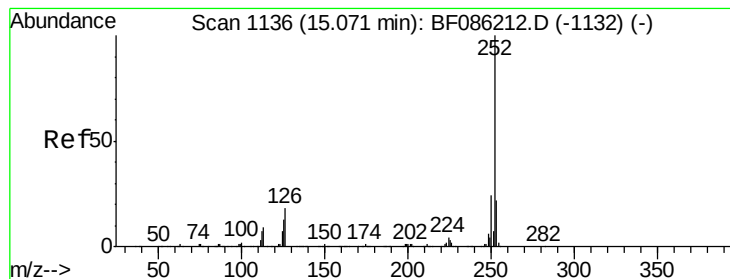
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 33.2  | 23.8  | 35.6  |
| 277     | 25.7  | 20.2  | 30.2  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.48 min Scan# 1172  
 Delta R.T. -0.00 min  
 Lab File: BF086294.D  
 Acq: 18 Apr 2016 21:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 20.0  | 30.0  |
| 265     | 21.6  | 17.4  | 26.0  |





#87

Benzo(b)fluoranthene

Concen: 74.10 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

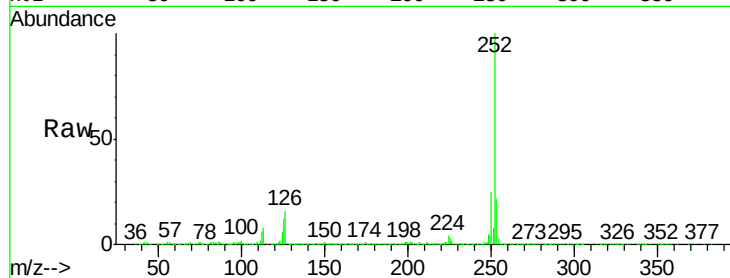
Tgt Ion:252 Resp: 1923587

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

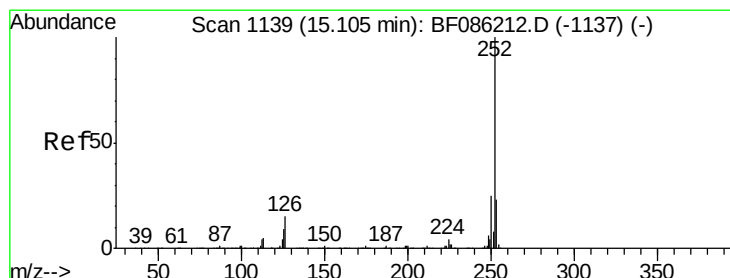
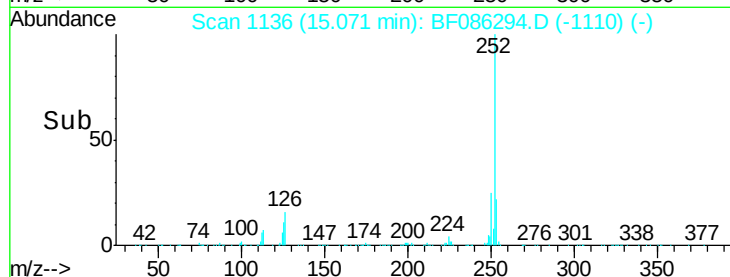
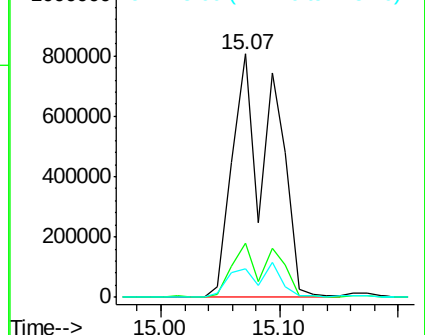
125 11.8 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 81.27 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.03 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

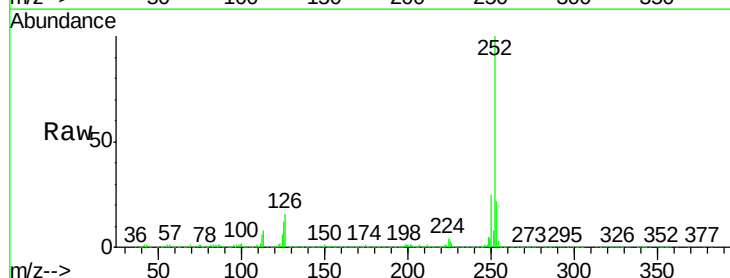
Tgt Ion:252 Resp: 1923587

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

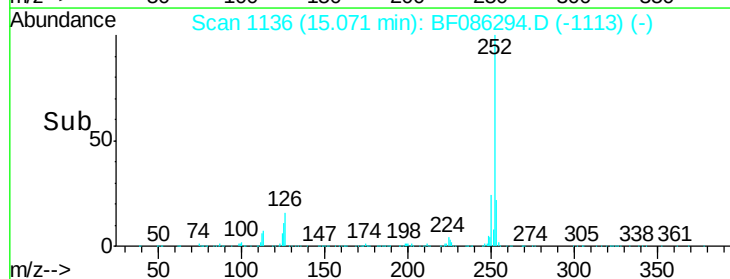
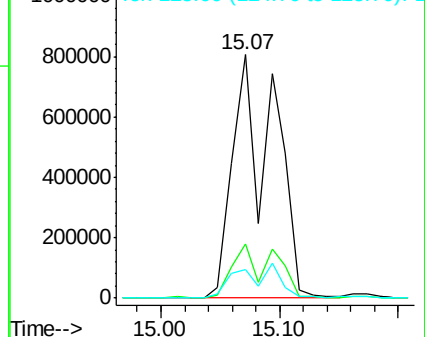
125 11.8 7.8 11.6#



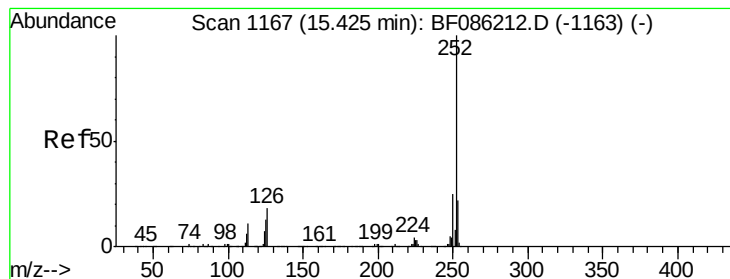
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







#89

Benzo(a)pyrene

Concen: 40.65 ng

RT: 15.43 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD

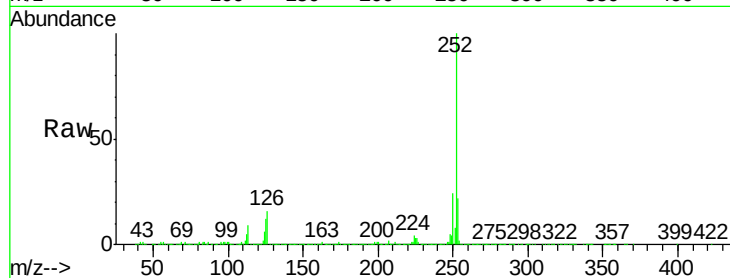
Tgt Ion:252 Resp: 914066

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

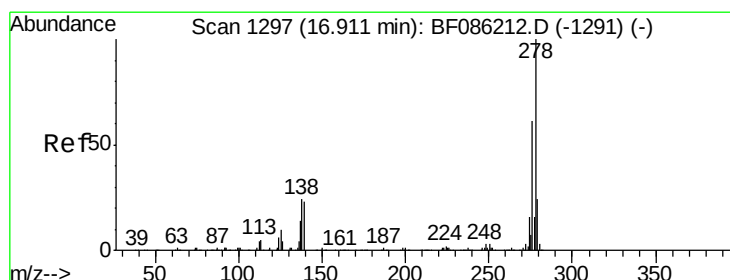
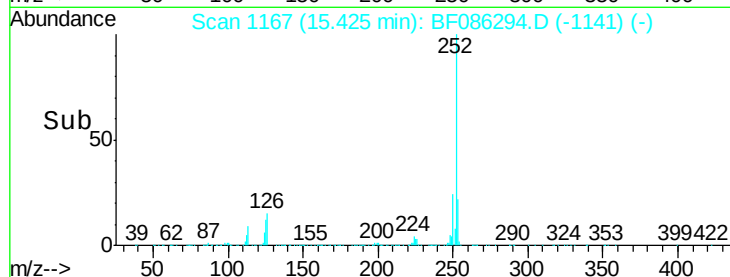
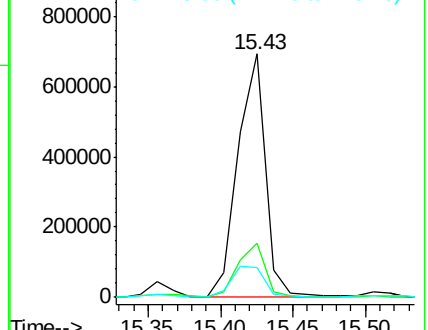
125 12.1 11.2 16.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 38.61 ng

RT: 16.91 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF086294.D

Acq: 18 Apr 2016 21:03

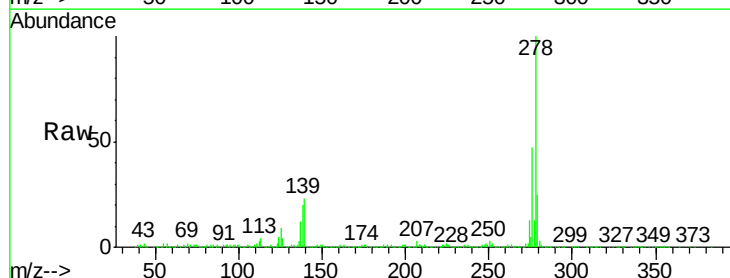
Tgt Ion:278 Resp: 767219

Ion Ratio Lower Upper

278 100

139 22.6 15.3 22.9

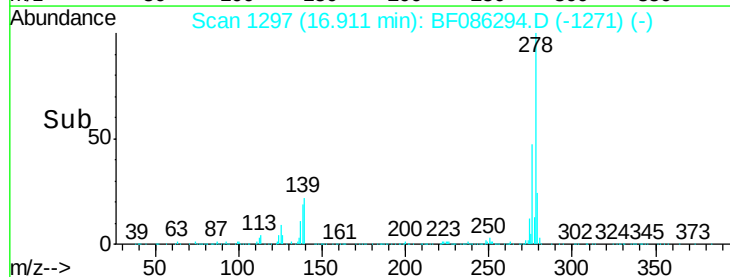
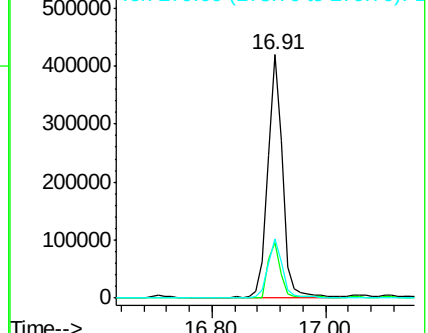
279 24.6 19.1 28.7

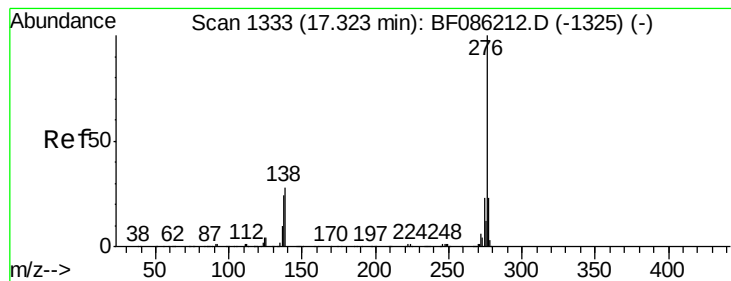


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 36.15 ng

RT: 17.32 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BF086294.D

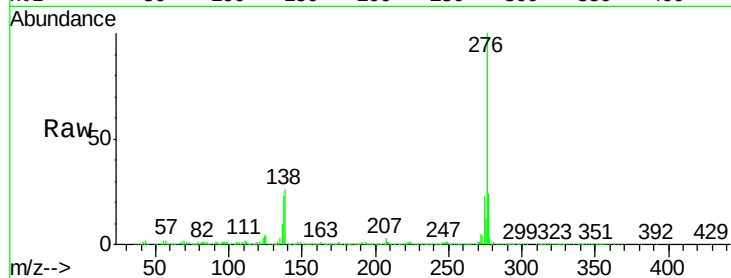
Acq: 18 Apr 2016 21:03

Instrument :

BNA\_F

ClientSampleId :

SP-1-A(0-2)MSD



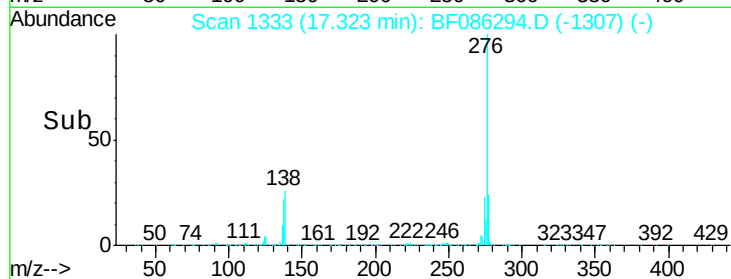
Tgt Ion: 276 Resp: 763842

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 26.3 19.6 29.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

