

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070916\  
 Data File : BF088882.D  
 Acq On : 9 Jul 2016 20:32  
 Operator : UM/SJ  
 Sample : H3813-15MSD 25X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS004-0006-01MSD

Quant Time: Jul 11 15:47:50 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 08 18:51:20 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.72  | 152  | 74213    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.01  | 136  | 284461   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.75  | 164  | 129528   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.23 | 188  | 250898   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.85 | 240  | 134784   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.23 | 264  | 131890   | 20.00 | ng    | -0.01    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 5) 2-Fluorophenol           | 5.30  | 112 | 13932 | 2.81 | ng | -0.02 |
| 7) Phenol-d6                | 6.34  | 99  | 18293 | 2.86 | ng | -0.03 |
| 23) Nitrobenzene-d5         | 7.28  | 82  | 11840 | 2.18 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330 | 4451  | 3.70 | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 9.08  | 172 | 22517 | 2.75 | ng | -0.01 |
| 78) Terphenyl-d14           | 12.81 | 244 | 17013 | 2.81 | ng | -0.01 |

|                                |      |     |       |      |    |        |
|--------------------------------|------|-----|-------|------|----|--------|
| Target Compounds               |      |     |       |      |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.23 | 88  | 1549  | 0.63 | ng | # 71   |
| 3) Pyridine                    | 2.96 | 79  | 1709  | 0.24 | ng | # 71   |
| 4) n-Nitrosodimethylamine      | 2.84 | 42  | 518   | 0.19 | ng | # 94   |
| 6) Aniline                     | 6.38 | 93  | 516   | 0.06 | ng | # 78   |
| 8) 2-Chlorophenol              | 6.50 | 128 | 2830  | 0.53 | ng | 85     |
| 9) Benzaldehyde                | 6.26 | 77  | 1689  | 0.39 | ng | 95     |
| 10) Phenol                     | 6.36 | 94  | 3427  | 0.47 | ng | 94     |
| 11) bis(2-Chloroethyl)ether    | 6.44 | 93  | 2531  | 0.46 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.66 | 146 | 2812m | 0.48 | ng |        |
| 13) 1,4-Dichlorobenzene        | 6.73 | 146 | 3028m | 0.52 | ng |        |
| 14) 1,2-Dichlorobenzene        | 6.89 | 146 | 3026  | 0.56 | ng | 94     |
| 15) Benzyl Alcohol             | 6.86 | 79  | 2406  | 0.51 | ng | # 88   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.00 | 45  | 3260  | 0.41 | ng | 91     |
| 17) 2-Methylphenol             | 6.98 | 107 | 2142  | 0.49 | ng | 90     |
| 18) Hexachloroethane           | 7.23 | 117 | 1049  | 0.47 | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70  | 2161  | 0.50 | ng | # 88   |
| 20) 3+4-Methylphenols          | 7.13 | 107 | 2769  | 0.53 | ng | # 72   |
| 22) Acetophenone               | 7.13 | 105 | 3960  | 0.57 | ng | # 89   |
| 24) Nitrobenzene               | 7.30 | 77  | 2734  | 0.50 | ng | # 93   |
| 25) Isophorone                 | 7.54 | 82  | 5250  | 0.52 | ng | # 98   |
| 26) 2-Nitrophenol              | 7.62 | 139 | 941   | 0.42 | ng | # 85   |
| 27) 2,4-Dimethylphenol         | 7.67 | 122 | 2033  | 0.43 | ng | 92     |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93  | 3877  | 0.59 | ng | # 94   |
| 29) 2,4-Dichlorophenol         | 7.86 | 162 | 1837  | 0.49 | ng | 86     |
| 30) 1,2,4-Trichlorobenzene     | 7.95 | 180 | 2354  | 0.57 | ng | 94     |
| 31) Naphthalene                | 8.02 | 128 | 8587  | 0.61 | ng | 98     |
| 33) 4-Chloroaniline            | 8.08 | 127 | 607   | 0.10 | ng | # 46   |
| 34) Hexachlorobutadiene        | 8.15 | 225 | 1238  | 0.56 | ng | 87     |
| 35) Caprolactam                | 8.39 | 113 | 623   | 0.49 | ng | # 52   |
| 36) 4-Chloro-3-methylphenol    | 8.56 | 107 | 2595  | 0.58 | ng | 94     |
| 37) 2-Methylnaphthalene        | 8.72 | 142 | 5795  | 0.64 | ng | # 95   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.88 | 216 | 2201  | 0.51 | ng | # 1    |
| 42) 2,4,6-Trichlorophenol      | 8.99 | 196 | 1457  | 0.51 | ng | 94     |
| 43) 2,4,5-Trichlorophenol      | 9.04 | 196 | 1243  | 0.51 | ng | # 81   |

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 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

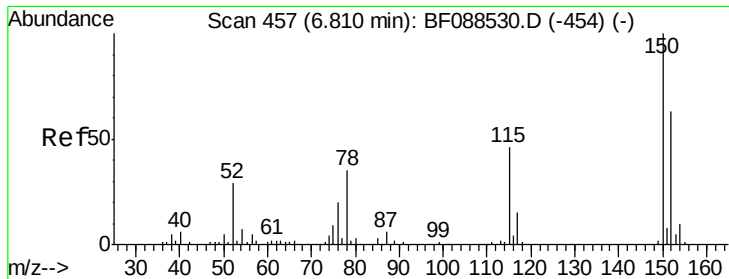
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS004-0006-01MSD

Quant Time: Jul 11 15:47:50 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 08 18:51:20 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 45) 1,1'-Biphenyl              | 9.18  | 154  | 6508     | 0.61 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.20  | 162  | 5635     | 0.67 | nq    | 98       |
| 47) 2-Nitroaniline             | 9.29  | 65   | 1642     | 0.55 | nq #  | 70       |
| 48) Acenaphthylene             | 9.61  | 152  | 8253     | 0.62 | nq    | 97       |
| 49) Dimethylphthalate          | 9.47  | 163  | 7560     | 0.82 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.54  | 165  | 1136     | 0.56 | nq #  | 37       |
| 51) Acenaphthene               | 9.78  | 154  | 5339     | 0.65 | nq    | 96       |
| 52) 3-Nitroaniline             | 9.70  | 138  | 675      | 0.26 | nq #  | 93       |
| 54) Dibenzofuran               | 9.95  | 168  | 7754     | 0.72 | nq #  | 88       |
| 55) 4-Nitrophenol              | 9.87  | 139  | 1929     | 0.98 | nq #  | 81       |
| 56) 2,4-Dinitrotoluene         | 9.94  | 165  | 1378     | 0.52 | nq #  | 90       |
| 57) Fluorene                   | 10.30 | 166  | 6206     | 0.75 | nq    | 93       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.08 | 232  | 766      | 0.41 | nq #  | 9        |
| 59) Diethylphthalate           | 10.17 | 149  | 6210     | 0.67 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204  | 2821     | 0.73 | nq    | 91       |
| 61) 4-Nitroaniline             | 10.31 | 138  | 920      | 0.37 | nq #  | 75       |
| 62) Azobenzene                 | 10.44 | 77   | 6686     | 0.63 | nq    | 90       |
| 65) n-Nitrosodiphenylamine     | 10.41 | 169  | 5152     | 0.61 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.78 | 248  | 1430     | 0.57 | nq #  | 55       |
| 67) Hexachlorobenzene          | 10.84 | 284  | 1670     | 0.60 | nq #  | 86       |
| 68) Atrazine                   | 10.94 | 200  | 1377     | 0.52 | nq    | 92       |
| 69) Pentachlorophenol          | 11.04 | 266  | 1333     | 0.80 | nq    | 97       |
| 70) Phenanthrene               | 11.26 | 178  | 7929     | 0.58 | nq    | 96       |
| 71) Anthracene                 | 11.30 | 178  | 8641     | 0.63 | nq    | 97       |
| 72) Carbazole                  | 11.46 | 167  | 7096     | 0.55 | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.80 | 149  | 10751    | 0.72 | nq    | 99       |
| 74) Fluoranthene               | 12.43 | 202  | 7194     | 0.52 | nq    | 95       |
| 77) Pvrene                     | 12.66 | 202  | 6990     | 0.61 | nq    | 94       |
| 79) Butylbenzylphthalate       | 13.29 | 149  | 2960     | 0.58 | nq #  | 67       |
| 80) Benzo(a)anthracene         | 13.84 | 228  | 5251     | 0.61 | nq #  | 90       |
| 81) 3,3'-Dichlorobenzidine     | 13.82 | 252  | 254      | 0.08 | nq #  | 1        |
| 82) Chrysene                   | 13.87 | 228  | 4431     | 0.52 | nq #  | 89       |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 6111     | 1.05 | nq #  | 87       |
| 84) Di-n-octyl phthalate       | 14.47 | 149  | 6613     | 0.67 | nq #  | 100      |
| 85) Indeno(1,2,3-cd)pvrene     | 16.54 | 276  | 6301     | 0.95 | nq #  | 100      |
| 87) Benzo(b)fluoranthene       | 14.85 | 252  | 4838m    | 0.58 | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.88 | 252  | 5789m    | 0.80 | nq    |          |
| 89) Benzo(a)pyrene             | 15.18 | 252  | 4922     | 0.70 | nq #  | 1        |
| 90) Dibenzo(a,h)anthracene     | 16.55 | 278  | 6630     | 1.13 | nq #  | 1        |
| 91) Benzo(g,h,i)perylene       | 16.91 | 276  | 7050     | 1.16 | nq #  | 37       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

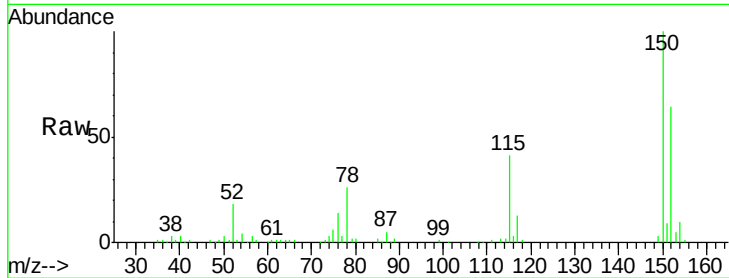
Tot Ion:152 Resp: 74213

Ion Ratio Lower Upper

152 100

150 156.7 123.8 185.6

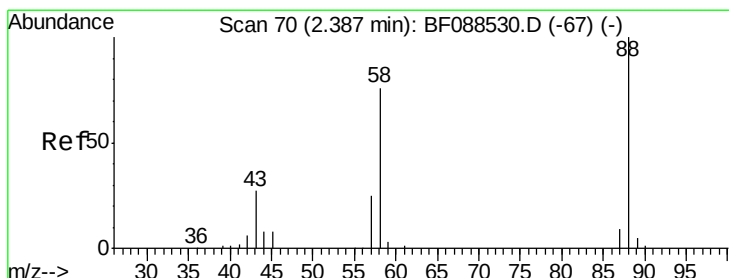
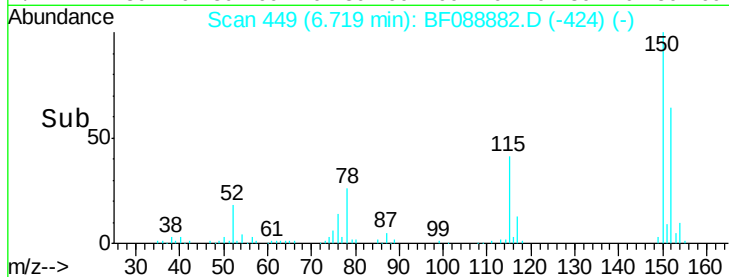
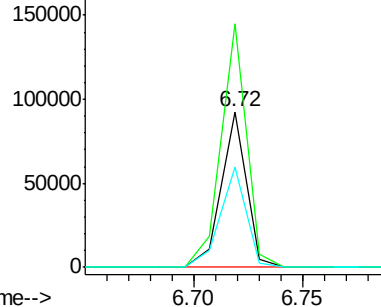
115 64.6 39.6 59.4#



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: 0.63 ng

RT: 2.23 min Scan# 56

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

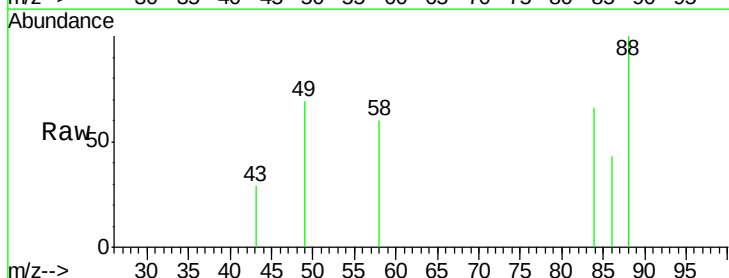
Tgt Ion: 88 Resp: 1549

Ion Ratio Lower Upper

88 100

58 52.7 0.0 0.0#

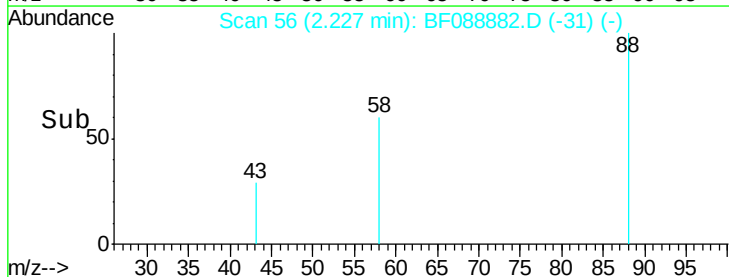
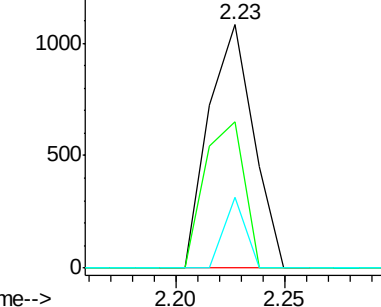
43 13.9 3.4 5.2#

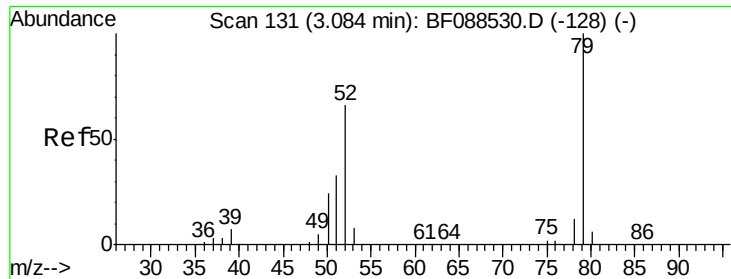


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 0.24 ng

RT: 2.96 min Scan# 120

Delta R.T. 0.06 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

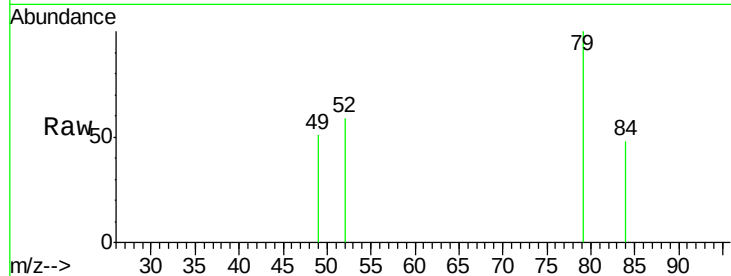
Tot Ion: 79 Resp: 1709

Ion Ratio Lower Upper

79 100

52 59.0 56.3 84.5

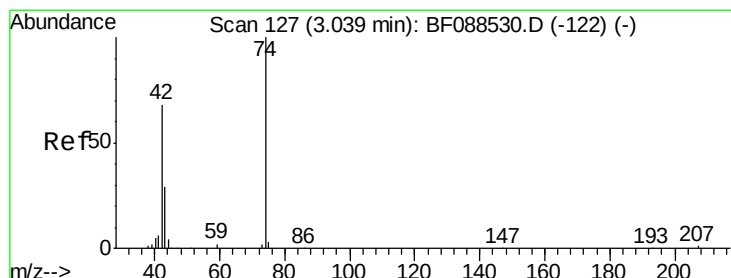
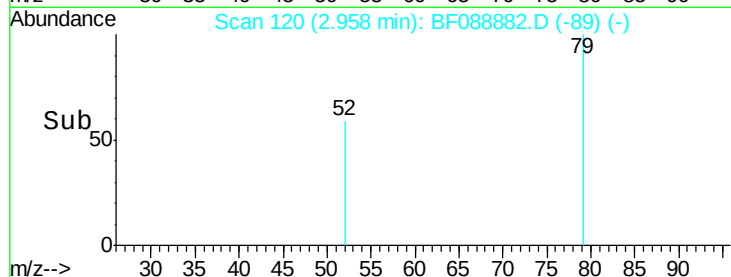
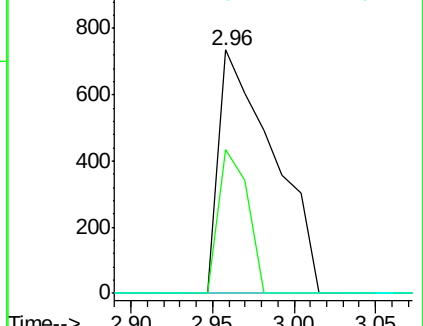
51 0.0 27.4 41.2#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 0.19 ng

RT: 2.84 min Scan# 110

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

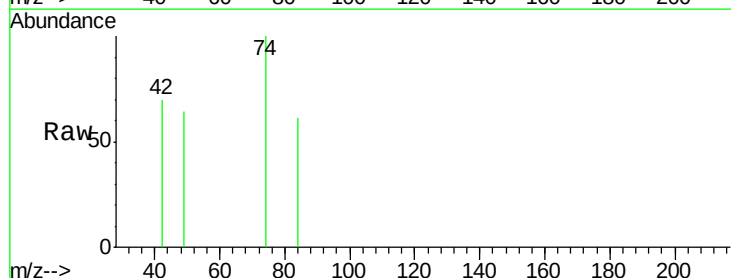
Tgt Ion: 42 Resp: 518

Ion Ratio Lower Upper

42 100

74 142.2 108.6 163.0

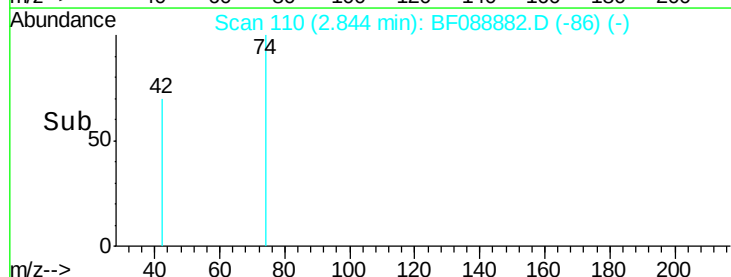
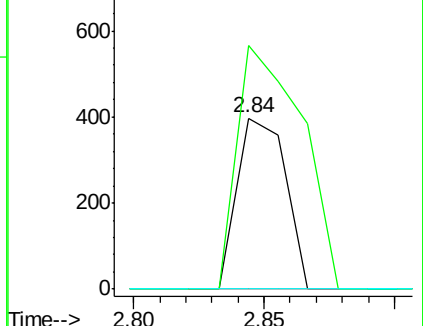
44 0.0 5.5 8.3#

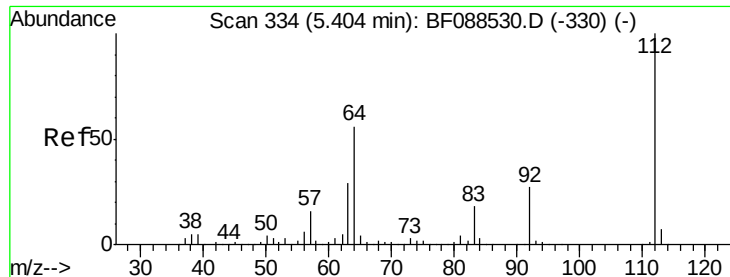


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 2.81 ng

RT: 5.30 min Scan# 325

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

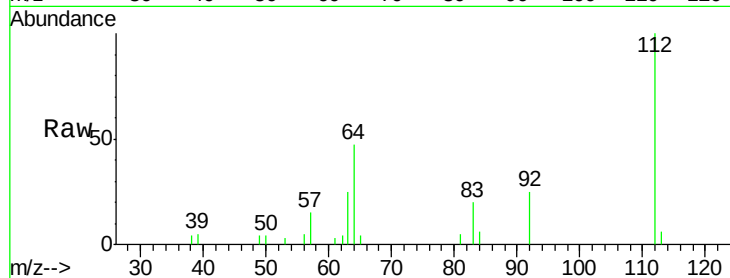
Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

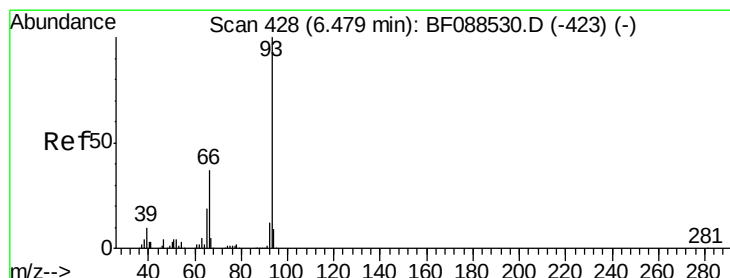
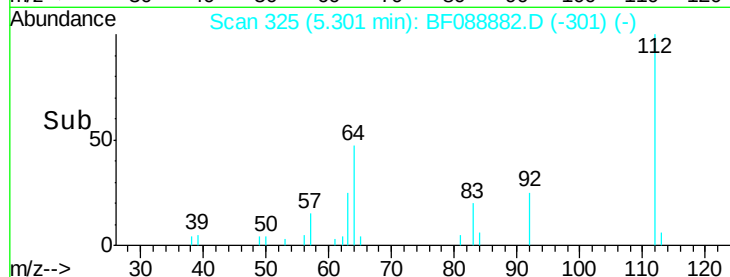
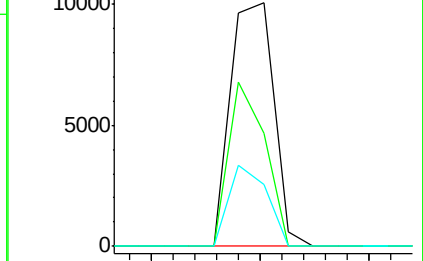
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 112   | Resp: | 13932 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 46.5  | 42.2  | 63.2  |
| 63       | 25.4  | 21.8  | 32.8  |



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.06 ng

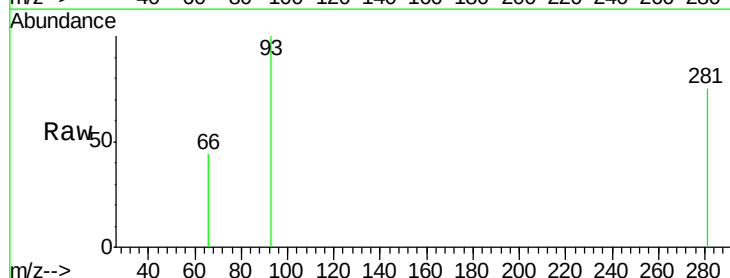
RT: 6.38 min Scan# 419

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

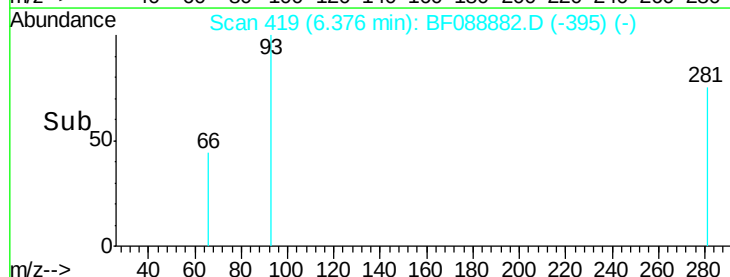
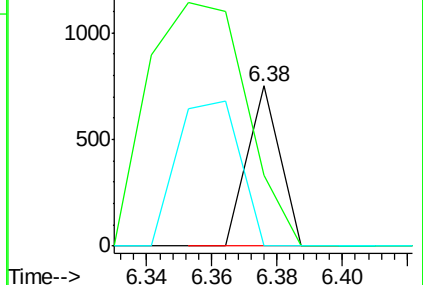
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 516   |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 44.4  | 29.8  | 44.8  |
| 65       | 0.0   | 14.9  | 22.3# |

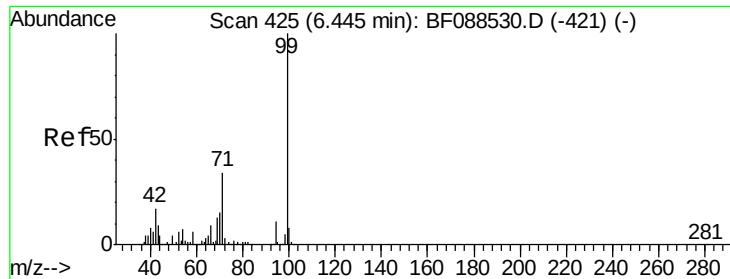


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 2.86 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.03 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

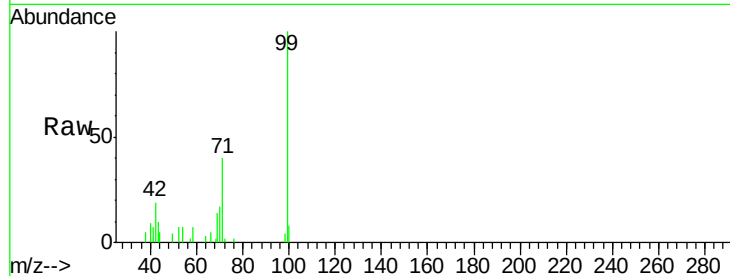
Tot Ion: 99 Resp: 18293

Ion Ratio Lower Upper

99 100

42 18.9 12.2 18.2#

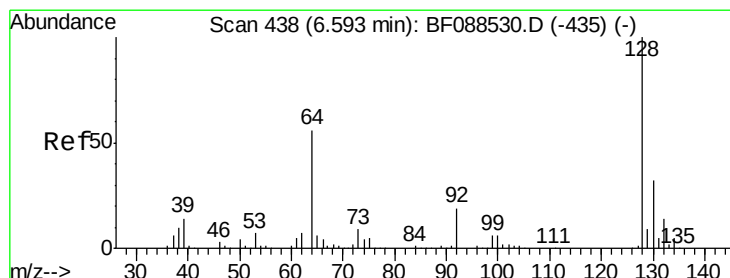
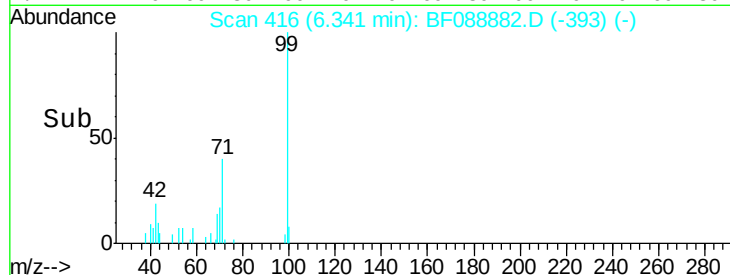
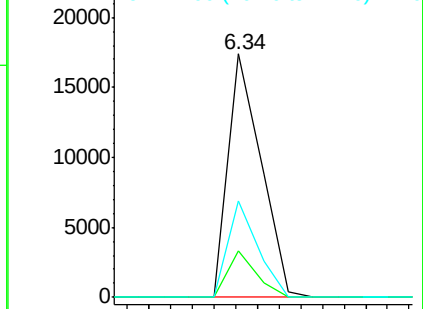
71 39.6 23.4 35.0#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 0.53 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

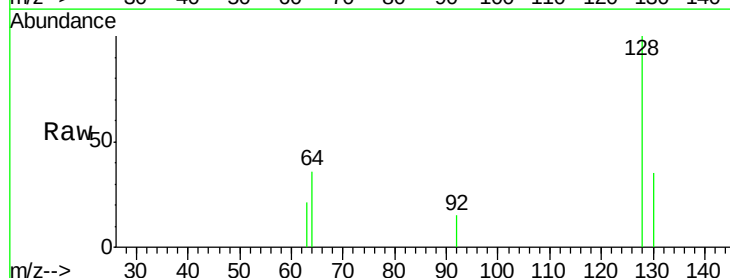
Tgt Ion: 128 Resp: 2830

Ion Ratio Lower Upper

128 100

130 35.3 12.0 52.0

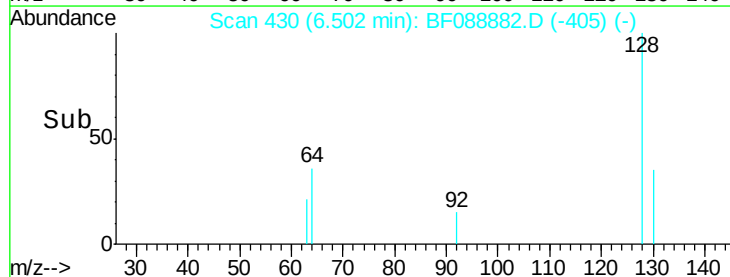
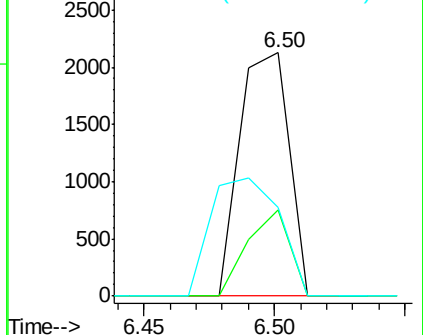
64 36.2 30.8 70.8

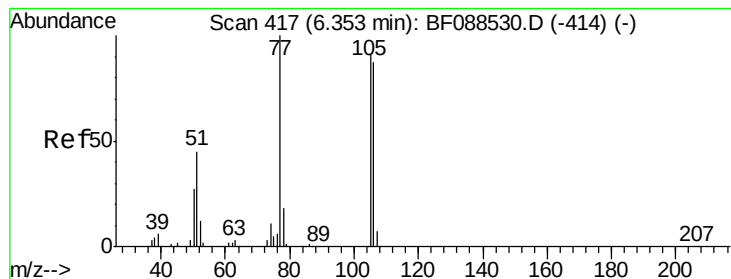


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 0.39 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

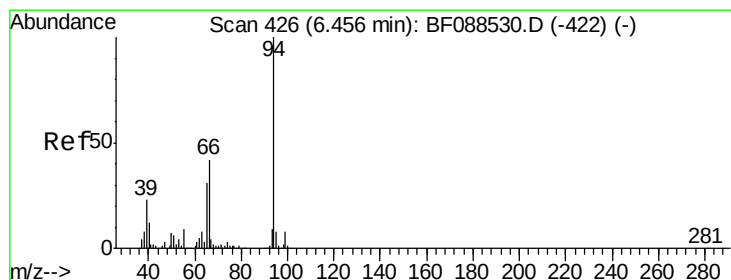
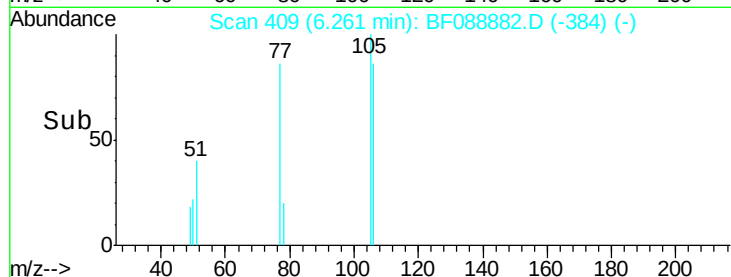
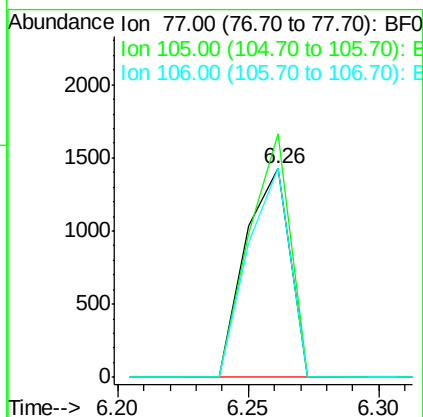
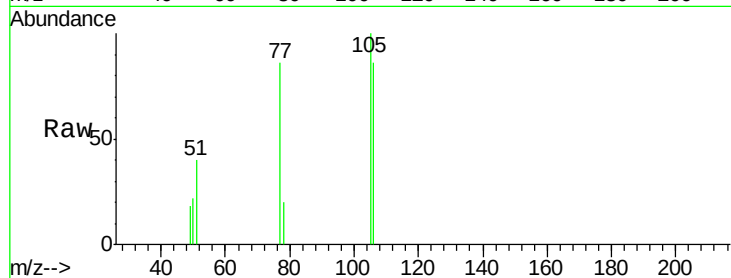
Tot Ion: 77 Resp: 1689

Ion Ratio Lower Upper

77 100

105 116.8 90.6 130.6

106 100.3 85.3 125.3



#10

Phenol

Concen: 0.47 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

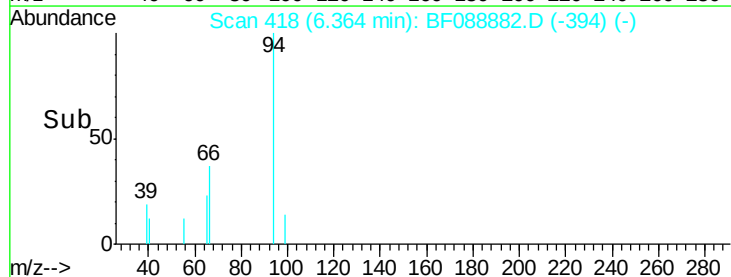
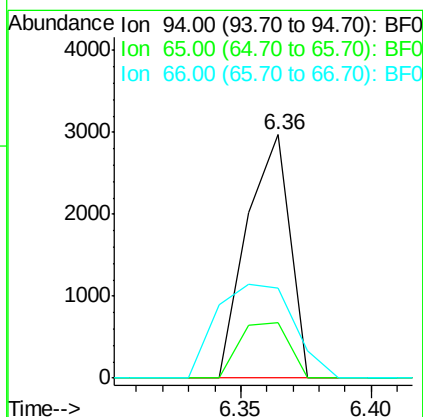
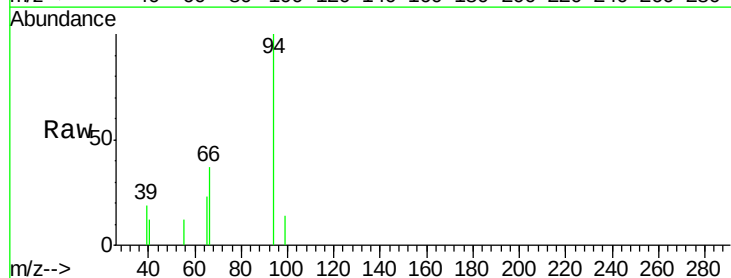
Tgt Ion: 94 Resp: 3427

Ion Ratio Lower Upper

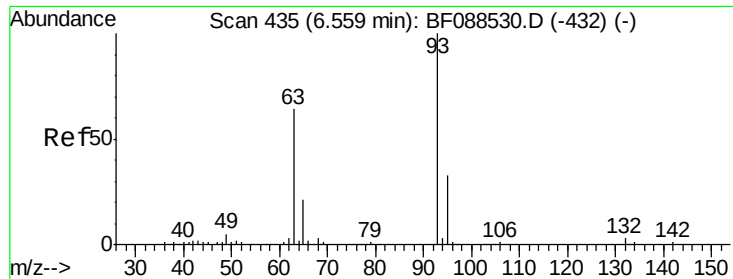
94 100

65 22.9 5.9 45.9

66 37.1 14.0 54.0







#11

bis(2-Chloroethyl)ether

Concen: 0.46 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

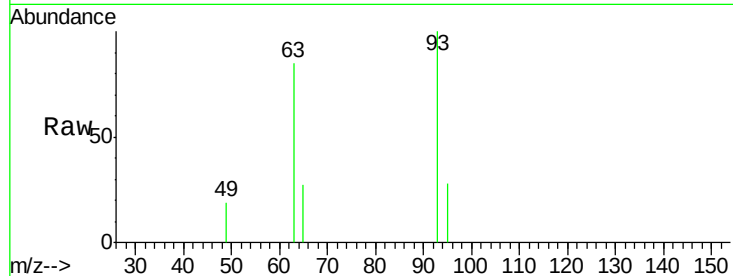
Tot Ion: 93 Resp: 2531

Ion Ratio Lower Upper

93 100

63 85.0 67.6 107.6

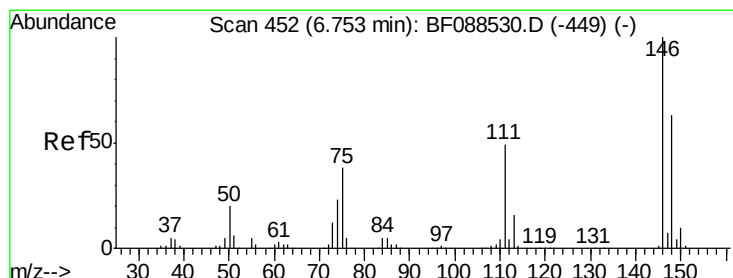
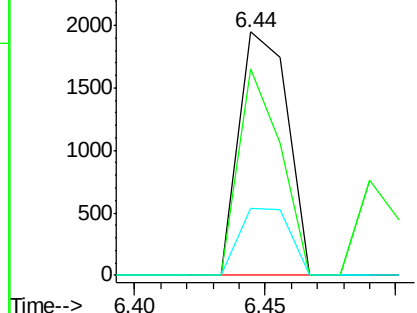
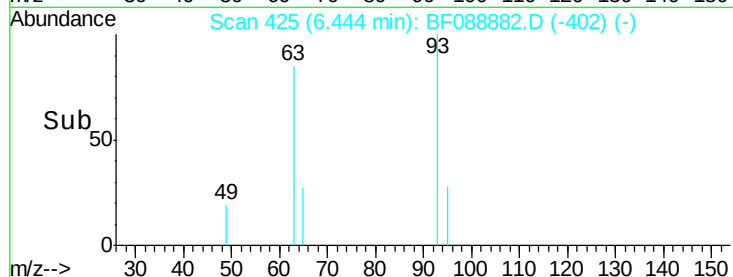
95 27.8 12.5 52.5



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: 0.48 ng m

RT: 6.66 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

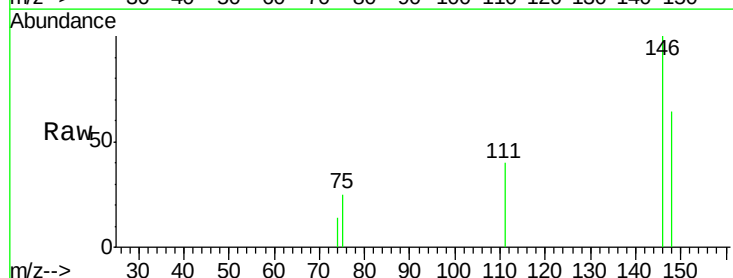
Tgt Ion: 146 Resp: 2812

Ion Ratio Lower Upper

146 100

148 63.7 50.9 76.3

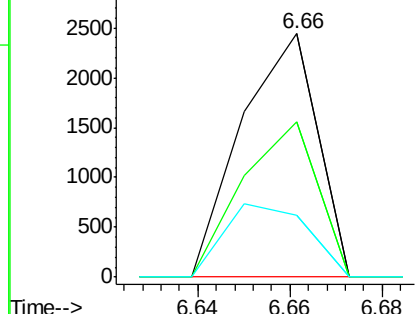
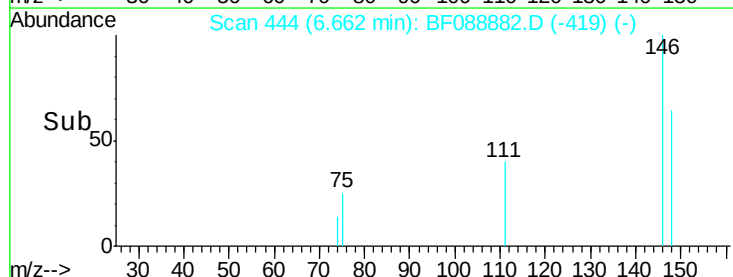
75 25.3 25.6 38.4#

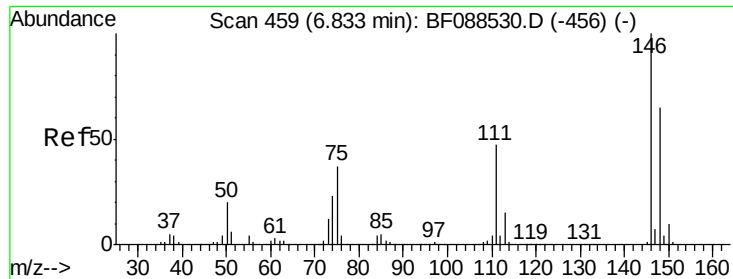


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 0.52 ng/mL

RT: 6.73 min Scan# 450

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

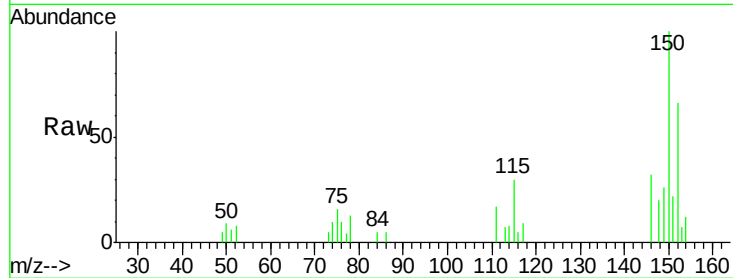
Tot Ion:146 Resp: 3028

Ion Ratio Lower Upper

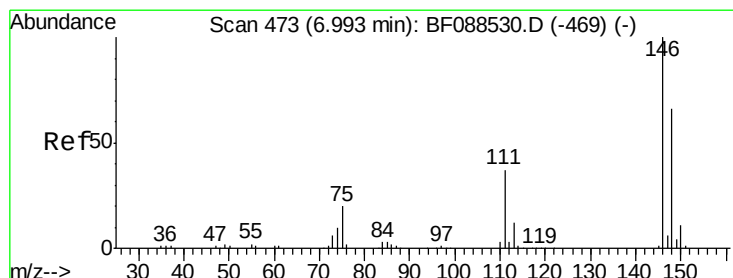
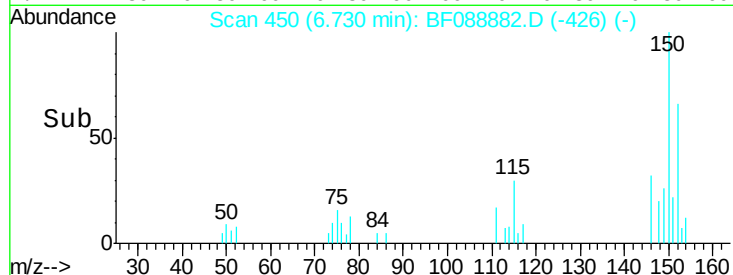
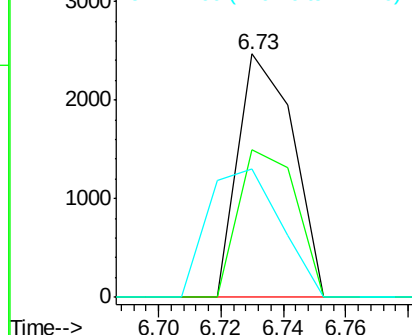
146 100

148 60.4 52.0 78.0

111 52.9 33.8 50.8#



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: 0.56 ng/mL

RT: 6.89 min Scan# 464

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

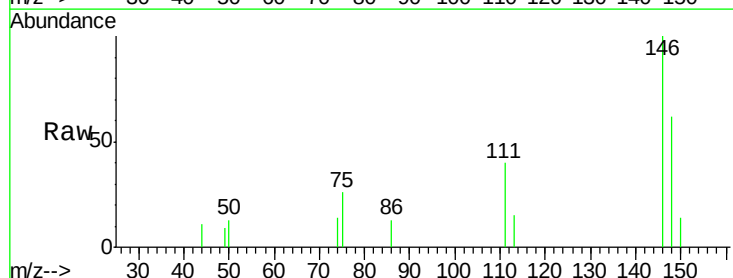
Tgt Ion:146 Resp: 3026

Ion Ratio Lower Upper

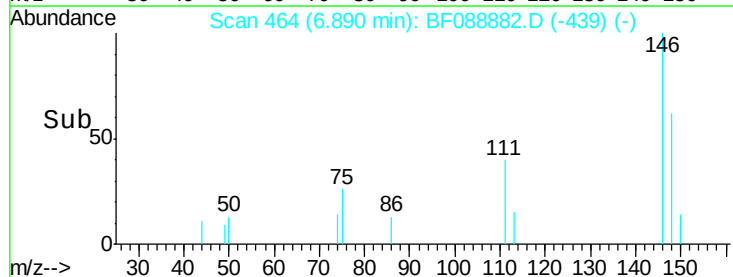
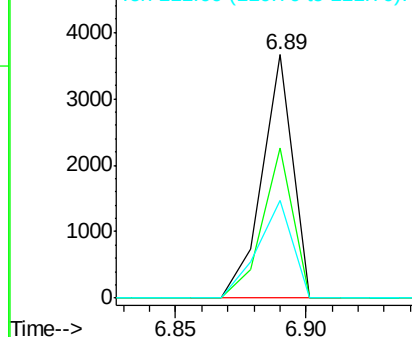
146 100

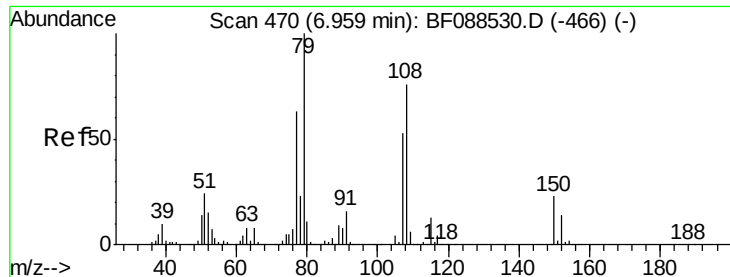
148 61.7 52.3 78.5

111 40.2 28.7 43.1



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





#15

Benzyl Alcohol

Concen: 0.51 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

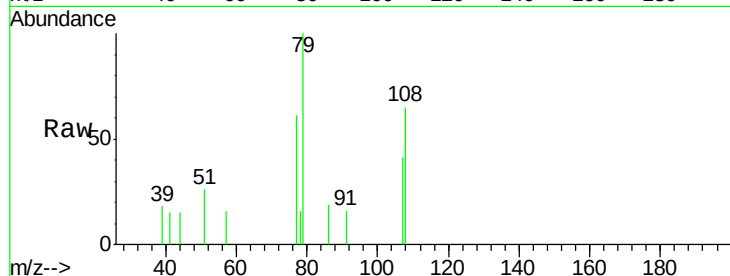
Tot Ion: 79 Resp: 2406

Ion Ratio Lower Upper

79 100

108 64.8 65.0 97.6#

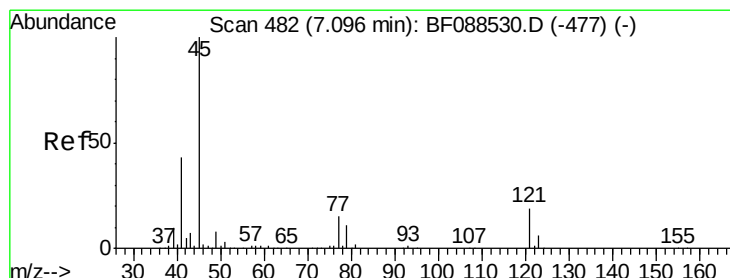
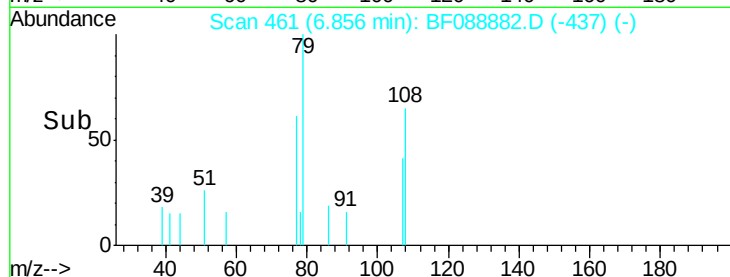
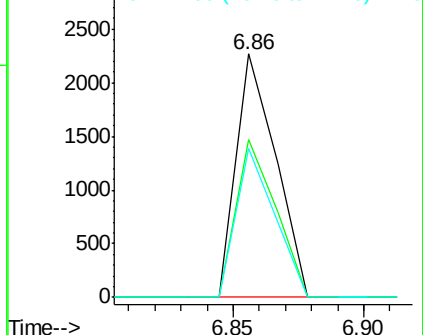
77 61.0 50.3 75.5



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.41 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

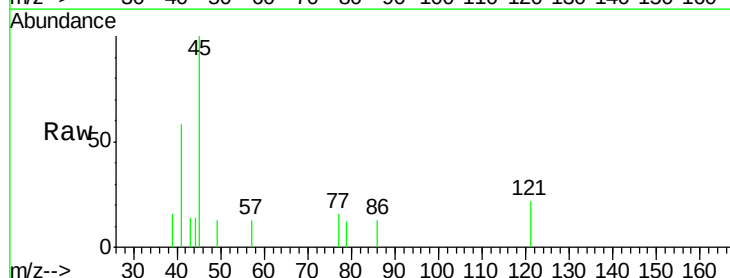
Tgt Ion: 45 Resp: 3260

Ion Ratio Lower Upper

45 100

77 16.4 0.0 32.5

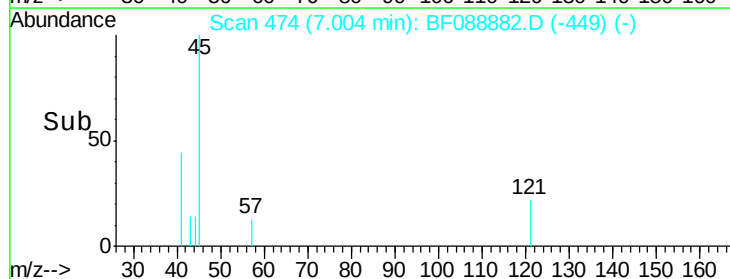
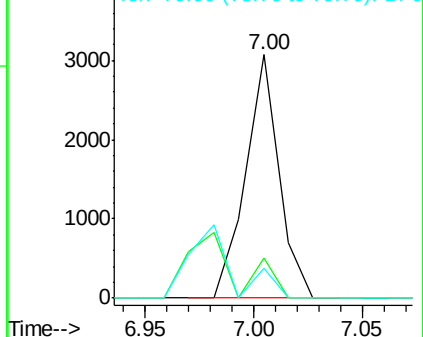
79 12.5 0.0 29.5

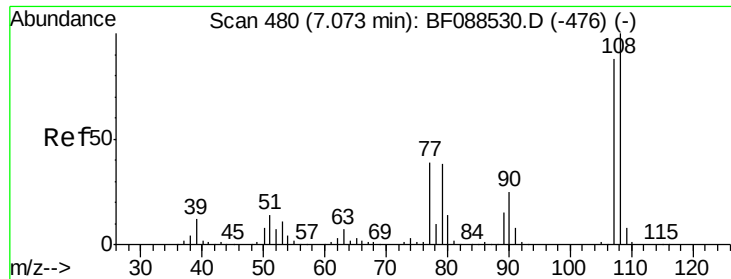


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 0.49 ng

RT: 6.98 min Scan# 472

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

Tot Ion:107 Resp: 2142

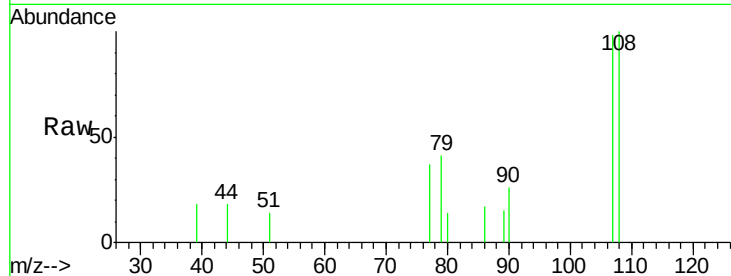
Ion Ratio Lower Upper

107 100

108 101.8 90.9 136.3

77 37.7 36.6 55.0

79 42.2 36.5 54.7

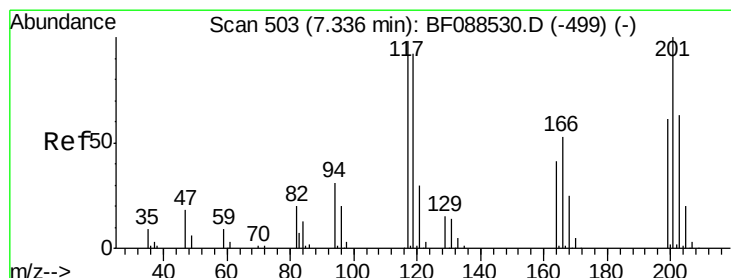
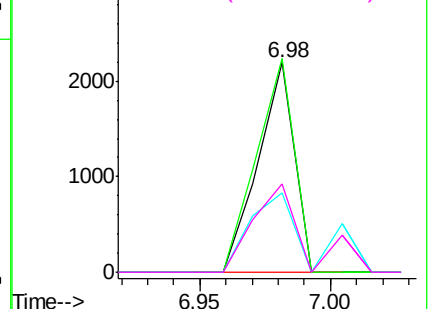
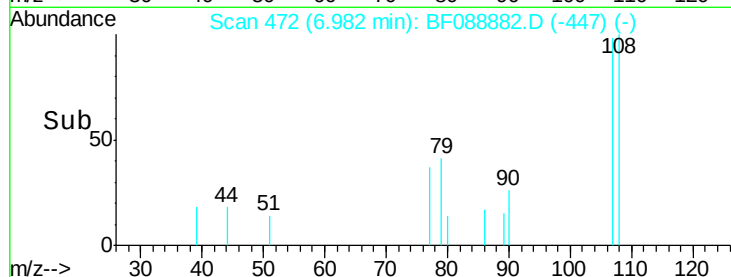


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 0.47 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

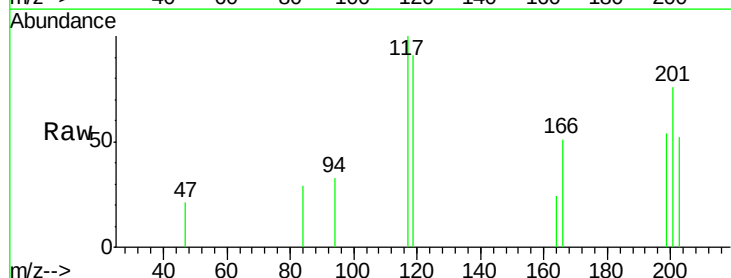
Tgt Ion:117 Resp: 1049

Ion Ratio Lower Upper

117 100

119 91.1 77.4 116.2

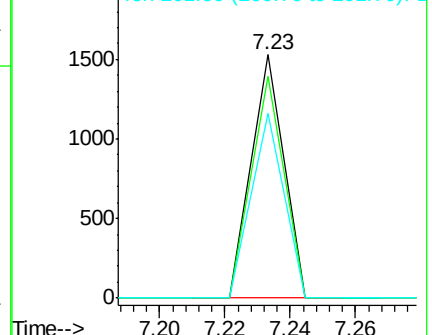
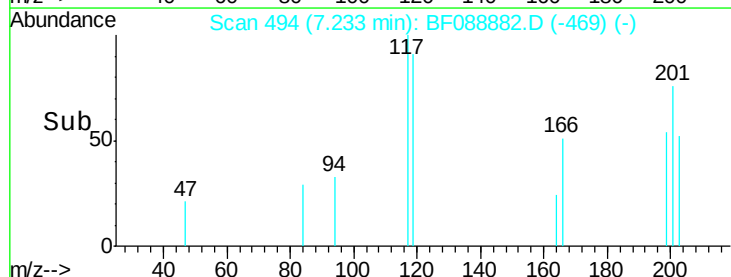
201 75.8 80.4 120.6#

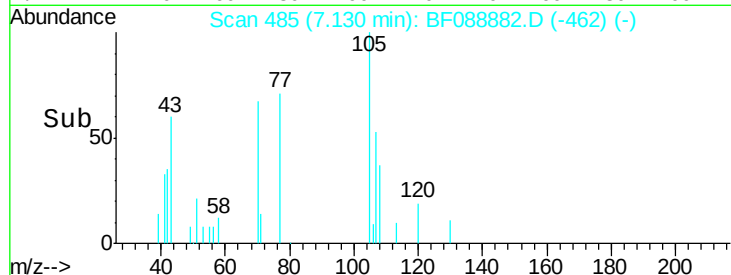
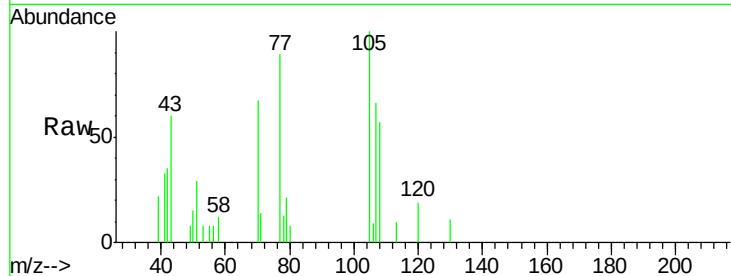
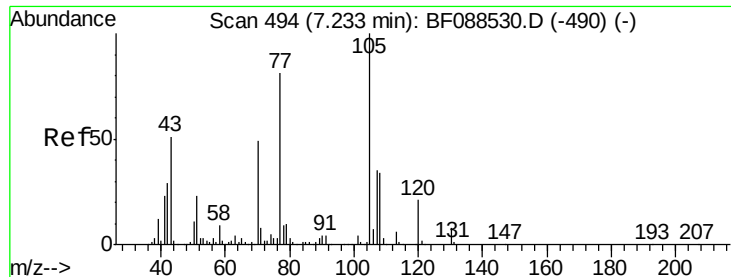


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

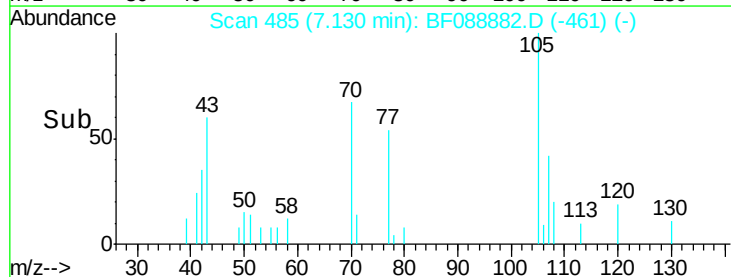
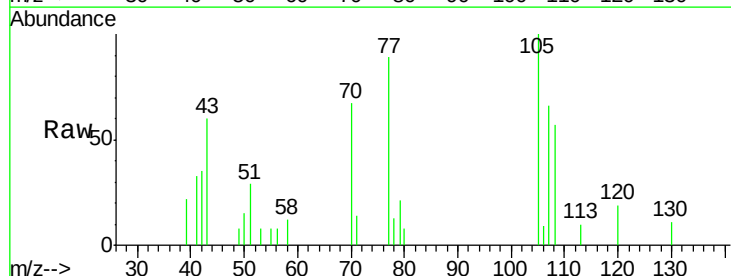
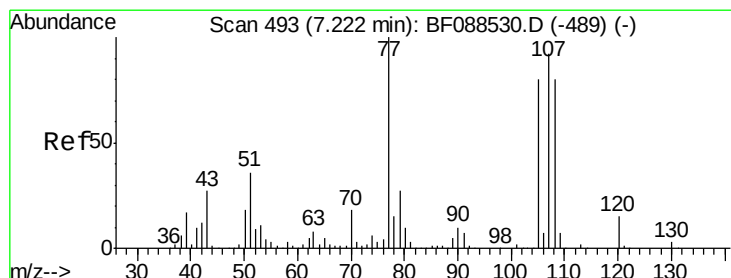
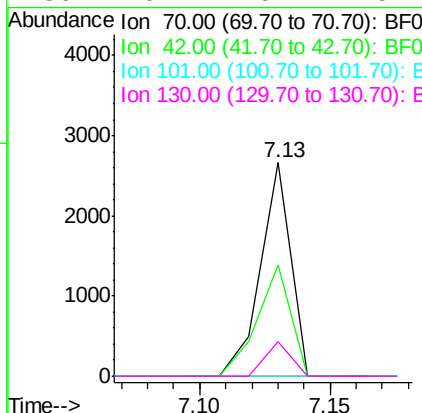




#19  
n-Nitroso-di-n-propylamine  
Concen: 0.50 ng  
RT: 7.13 min Scan# 485  
Delta R.T. -0.03 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

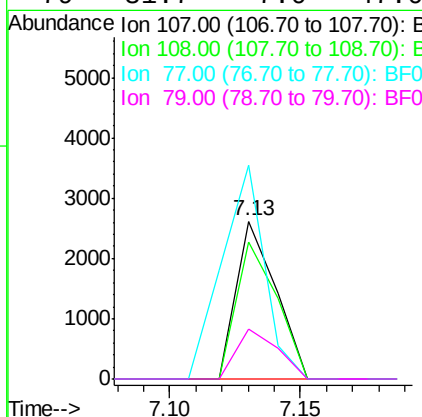
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS004-0006-01MSD

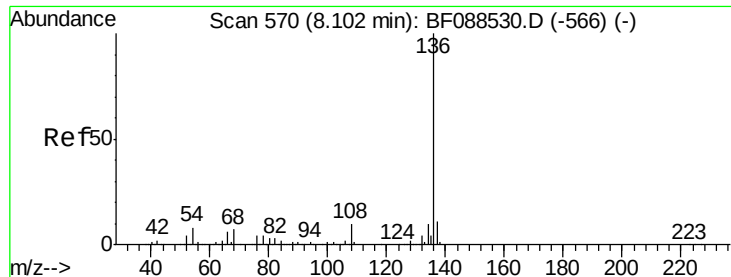
Tot Ion: 70 Resp: 2161  
Ion Ratio Lower Upper  
70 100  
42 52.4 49.6 74.4  
101 0.0 7.1 10.7#  
130 16.1 15.4 23.2



#20  
3+4-Methylphenols  
Concen: 0.53 ng  
RT: 7.13 min Scan# 485  
Delta R.T. -0.02 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

Tgt Ion: 107 Resp: 2769  
Ion Ratio Lower Upper  
107 100  
108 87.1 67.8 107.8  
77 135.3 59.3 99.3#  
79 31.7 7.0 47.0

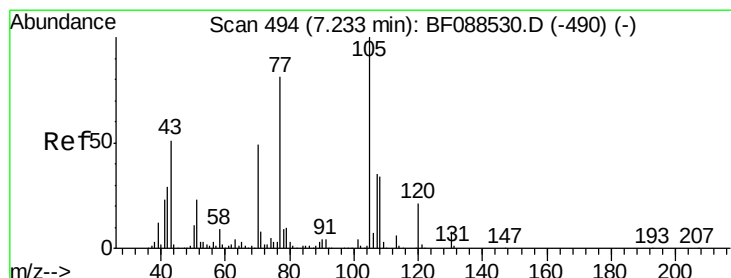
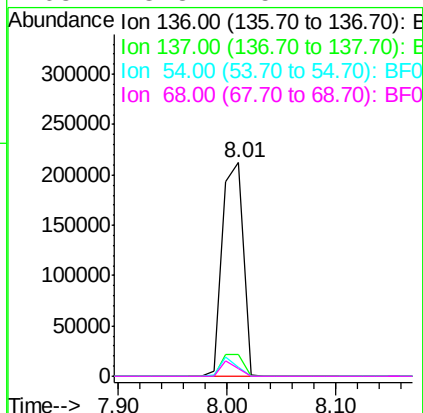
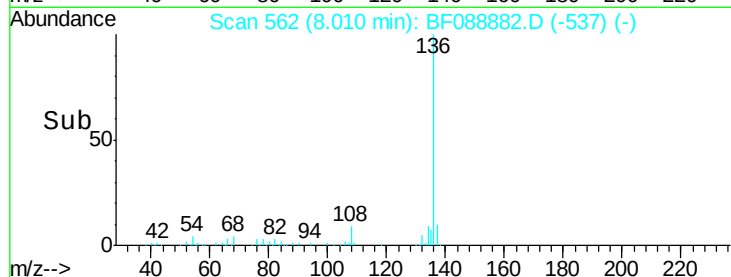
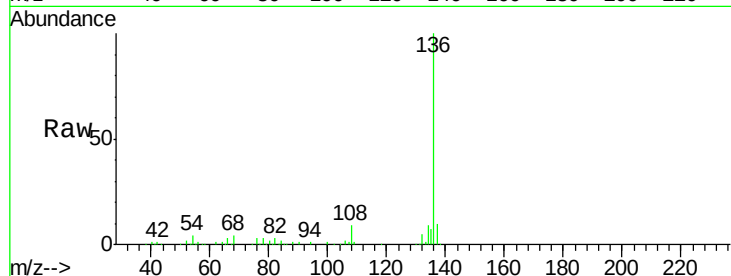




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.01 min Scan# 562  
Delta R.T. -0.01 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

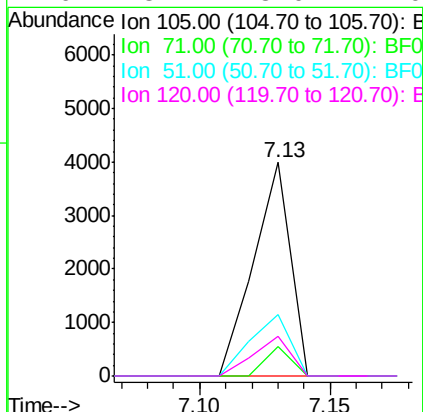
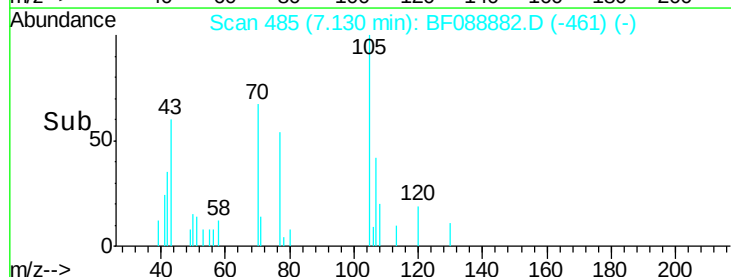
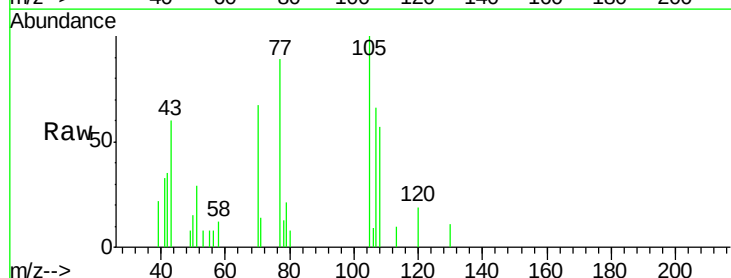
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS004-0006-01MSD

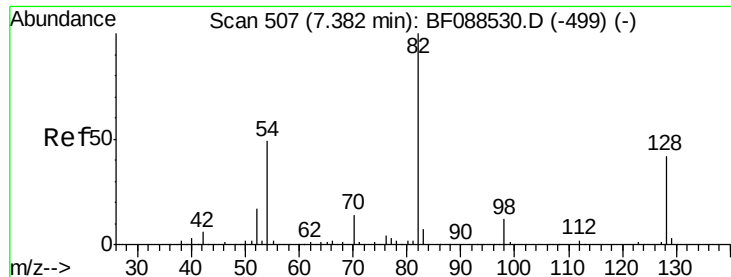
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 284461    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 10.1  | 9.1 13.7  |
| 54          | 4.3   | 6.6 10.0# |
| 68          | 3.8   | 5.1 7.7#  |



#22  
Acetophenone  
Concen: 0.57 ng  
RT: 7.13 min Scan# 485  
Delta R.T. -0.02 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 3960       |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 13.9  | 5.3 7.9#   |
| 51          | 28.5  | 18.2 27.4# |
| 120         | 18.7  | 18.0 27.0  |

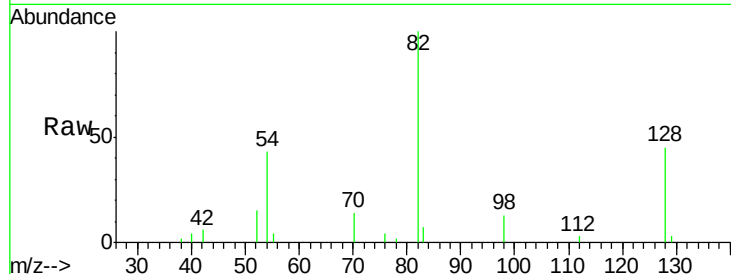




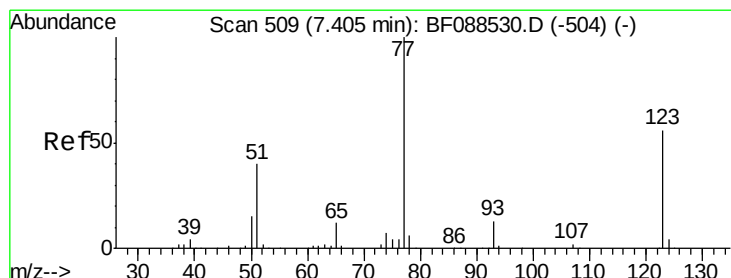
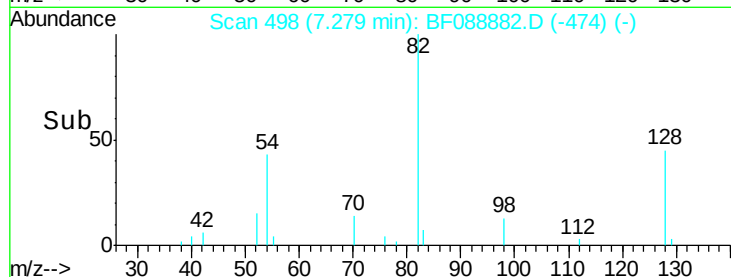
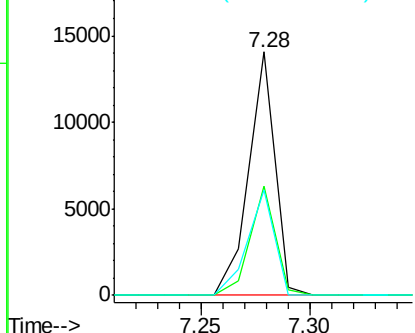
#23  
Nitrobenzene-d5  
Concen: 2.18 ng  
RT: 7.28 min Scan# 498  
Delta R.T. -0.02 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS004-0006-01MSD

Tot Ion: 82 Resp: 11840  
Ion Ratio Lower Upper  
82 100  
128 44.6 35.9 53.9  
54 43.3 40.9 61.3

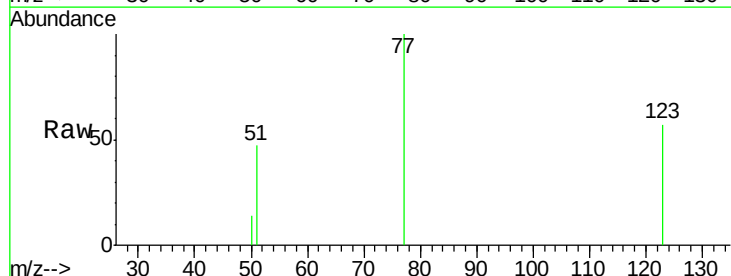


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): BF0  
Ion 54.00 (53.70 to 54.70): BF0

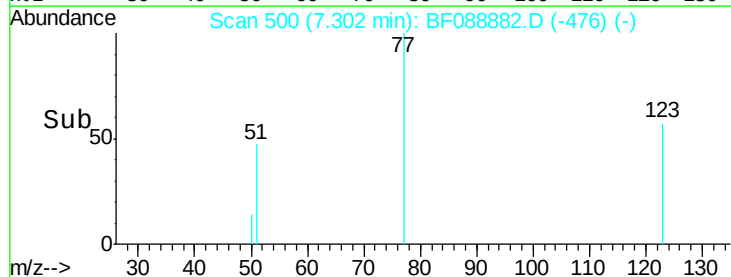
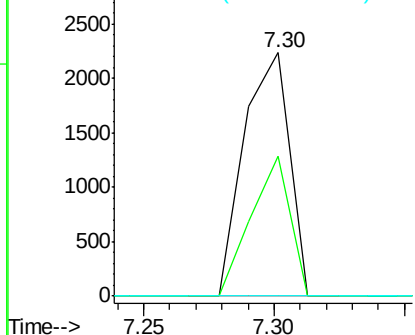


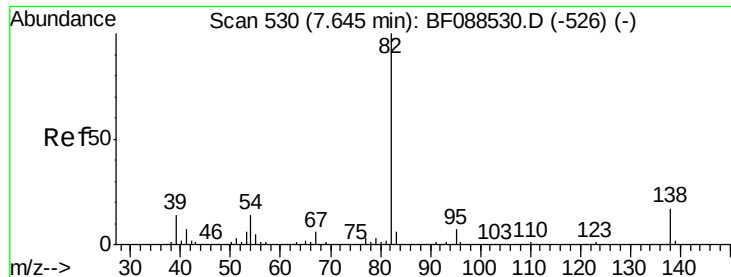
#24  
Nitrobenzene  
Concen: 0.50 ng  
RT: 7.30 min Scan# 500  
Delta R.T. -0.02 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

Tgt Ion: 77 Resp: 2734  
Ion Ratio Lower Upper  
77 100  
123 57.4 45.0 67.4  
65 0.0 10.2 15.2#



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





#25

Isophorone

Concen: 0.52 ng

RT: 7.54 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

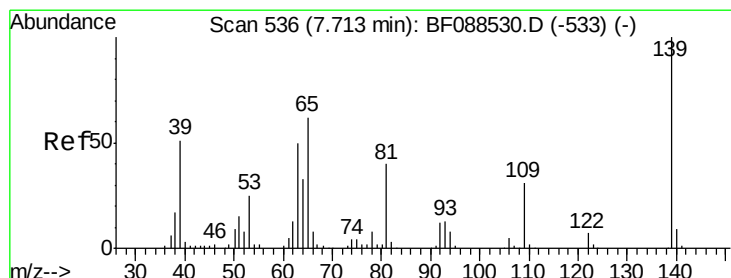
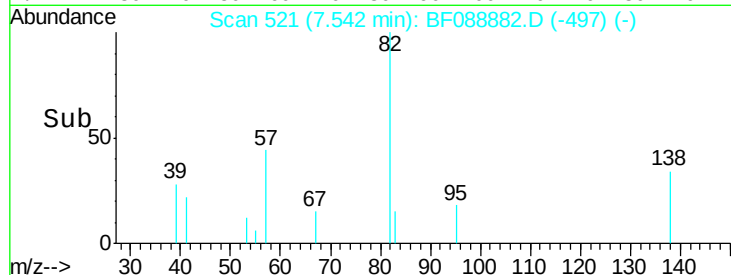
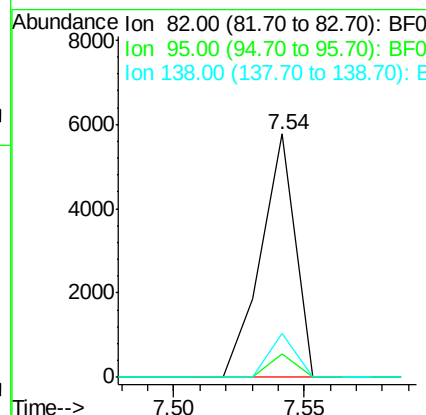
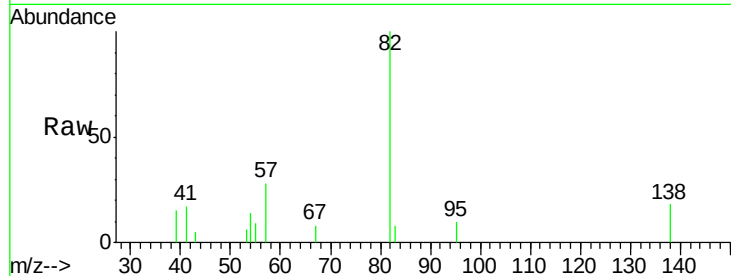
Tot Ion: 82 Resp: 5250

Ion Ratio Lower Upper

82 100

95 9.6 5.4 8.2#

138 18.2 14.6 21.8



#26

2-Nitrophenol

Concen: 0.42 ng

RT: 7.62 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

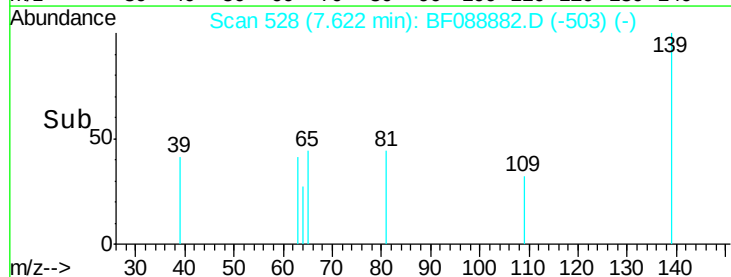
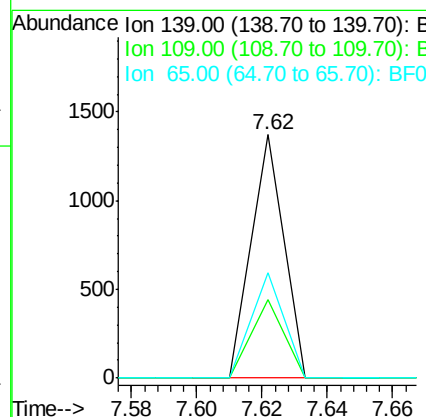
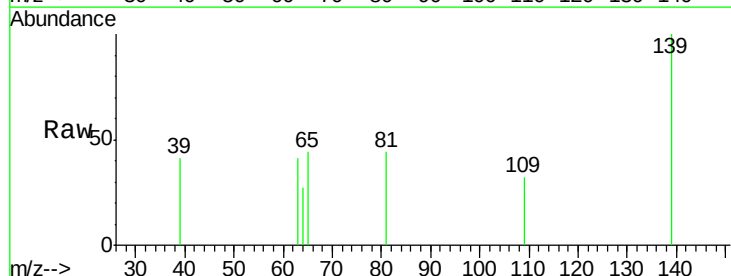
Tgt Ion: 139 Resp: 941

Ion Ratio Lower Upper

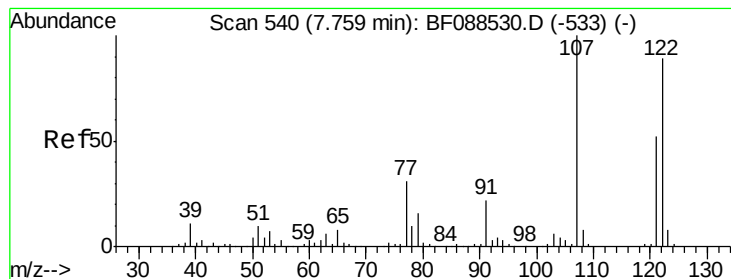
139 100

109 32.1 23.0 34.4

65 43.5 45.8 68.8#







#27

2,4-Dimethylphenol

Concen: 0.43 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

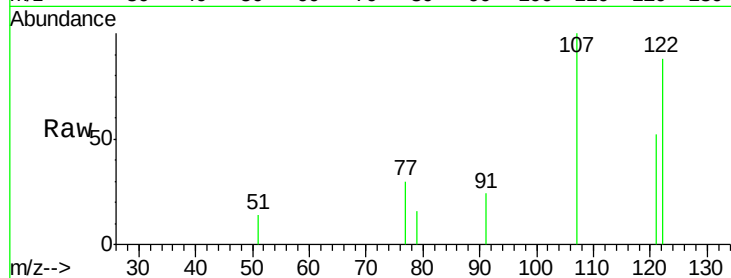
Tot Ion:122 Resp: 2033

Ion Ratio Lower Upper

122 100

107 114.0 82.4 123.6

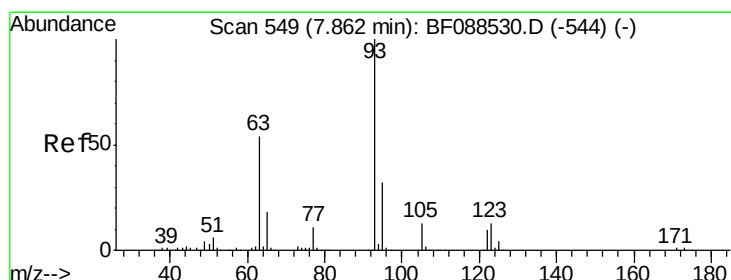
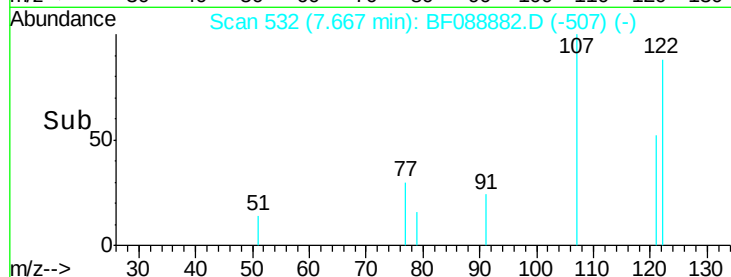
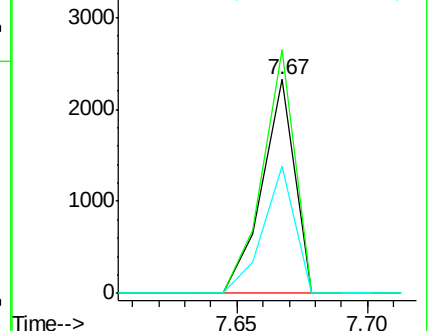
121 59.7 46.3 69.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 0.59 ng

RT: 7.76 min Scan# 540

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

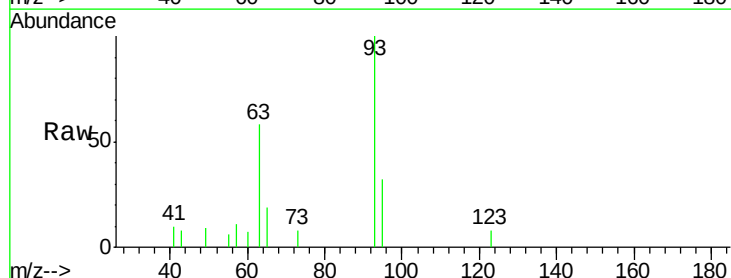
Tgt Ion: 93 Resp: 3877

Ion Ratio Lower Upper

93 100

95 31.6 26.5 39.7

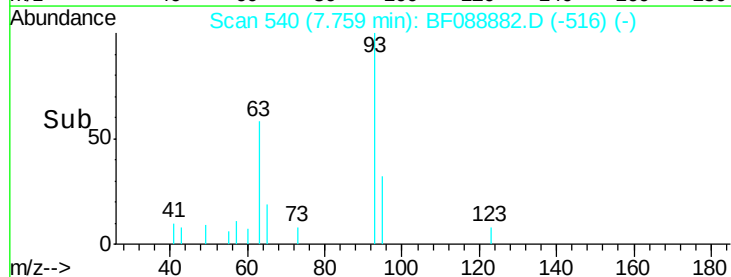
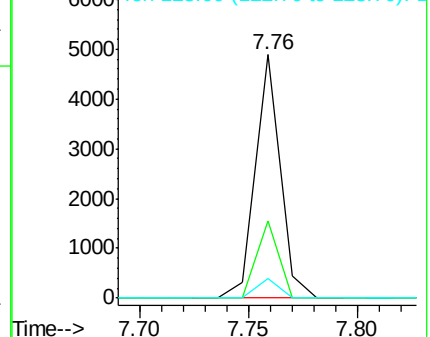
123 8.3 11.6 17.4#

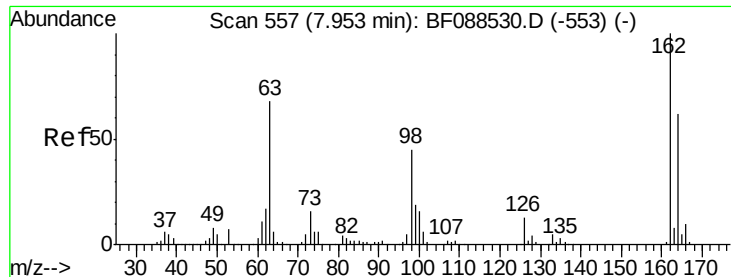


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

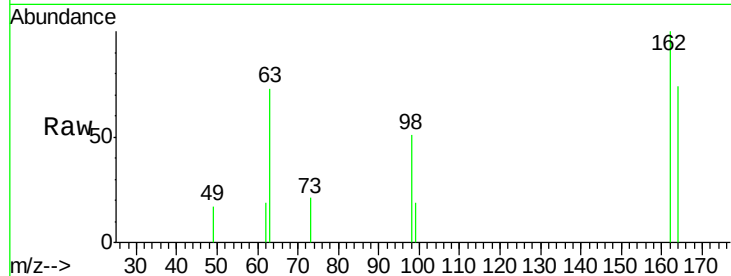




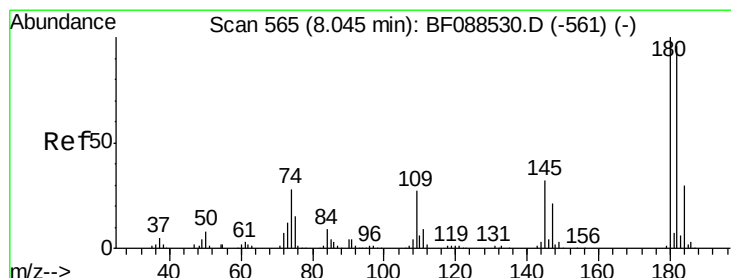
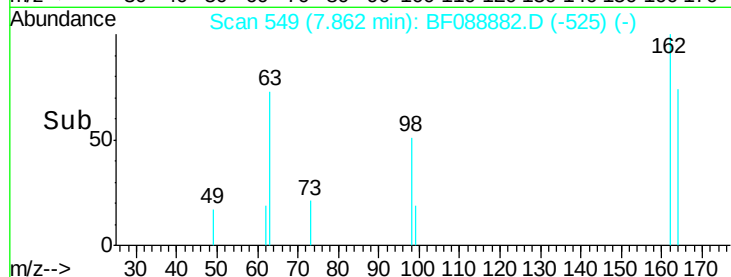
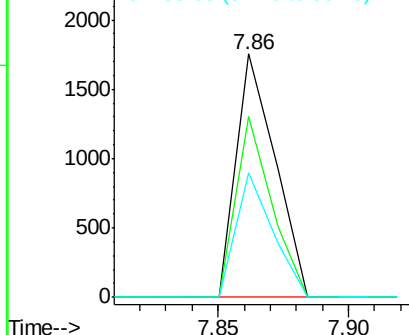
#29  
2,4-Dichlorophenol  
Concen: 0.49 ng  
RT: 7.86 min Scan# 549  
Delta R.T. -0.02 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS004-0006-01MSD

Tot Ion:162 Resp: 1837  
Ion Ratio Lower Upper  
162 100  
164 74.0 43.8 83.8  
98 51.4 21.3 61.3

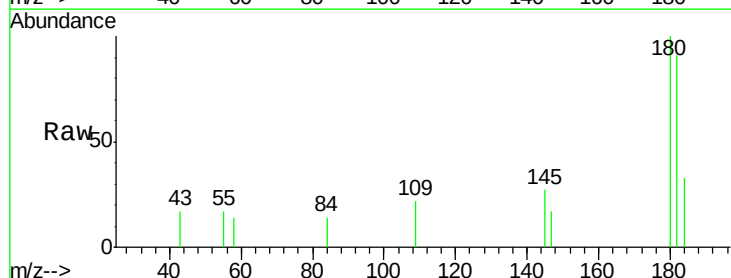


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF0

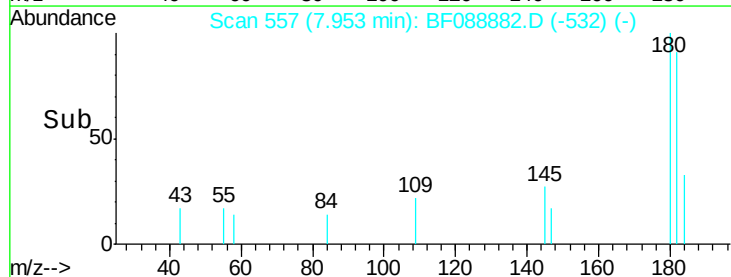
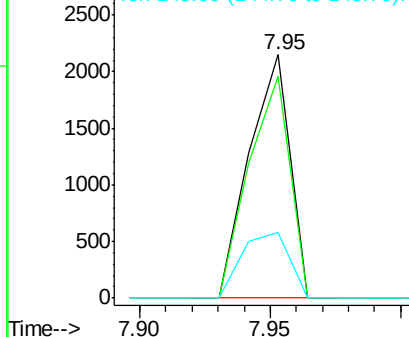


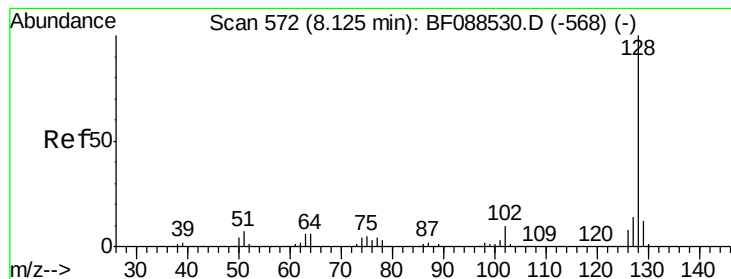
#30  
1,2,4-Trichlorobenzene  
Concen: 0.57 ng  
RT: 7.95 min Scan# 557  
Delta R.T. -0.01 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

Tgt Ion:180 Resp: 2354  
Ion Ratio Lower Upper  
180 100  
182 91.1 76.0 114.0  
145 26.8 26.5 39.7



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





#31

Naphthalene

Concen: 0.61 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

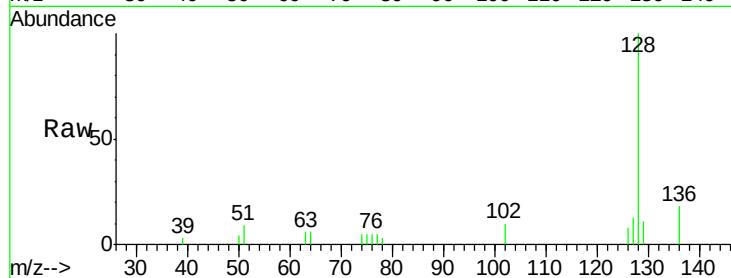
Tot Ion:128 Resp: 8587

Ion Ratio Lower Upper

128 100

129 10.6 9.4 14.2

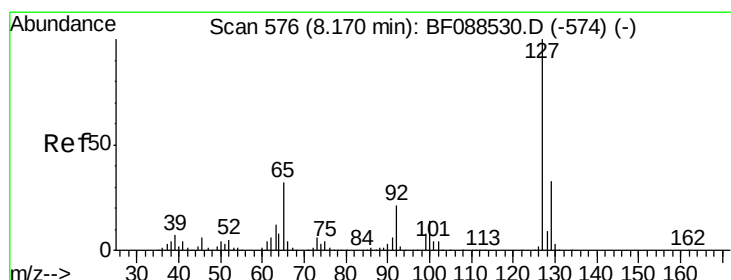
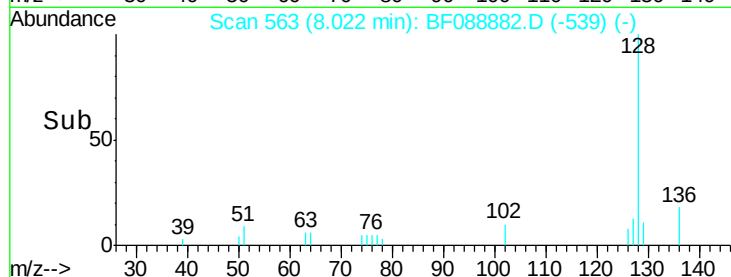
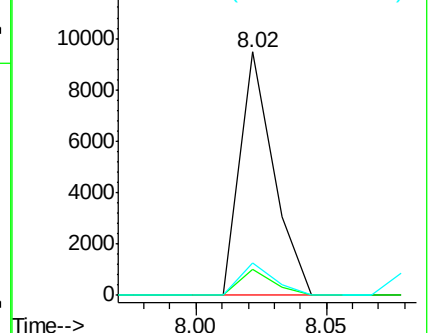
127 13.2 10.9 16.3



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



#33

4-Chloroaniline

Concen: 0.10 ng

RT: 8.08 min Scan# 568

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Tgt Ion:127 Resp: 607

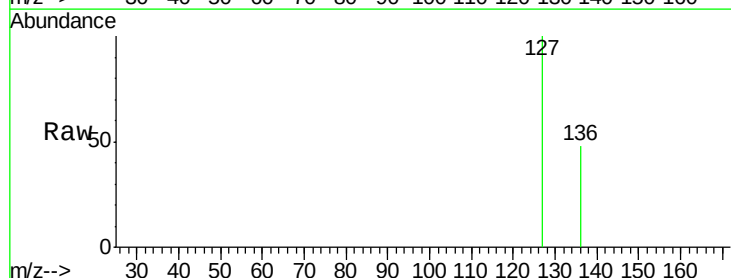
Ion Ratio Lower Upper

127 100

129 0.0 26.3 39.5#

65 0.0 24.7 37.1#

92 0.0 15.4 23.0#

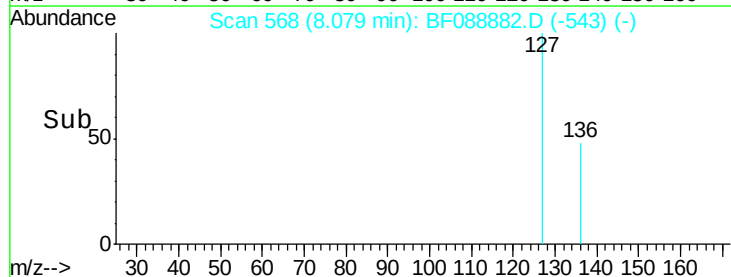
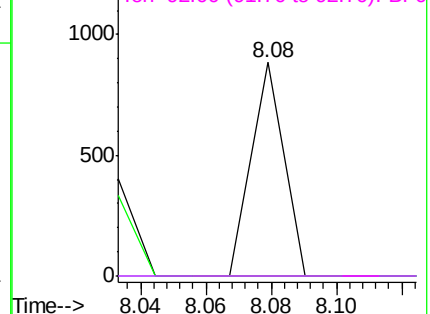


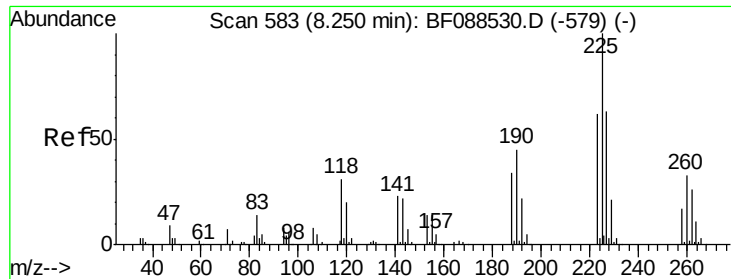
Abundance Ion 127.00 (126.70 to 127.70): E

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: 0.56 ng

RT: 8.15 min Scan# 574

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

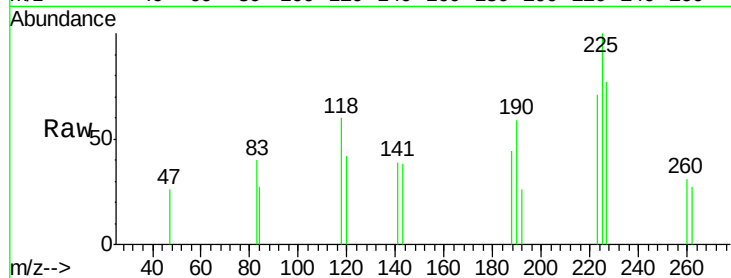
Tot Ion:225 Resp: 1238

Ion Ratio Lower Upper

225 100

223 71.4 50.9 76.3

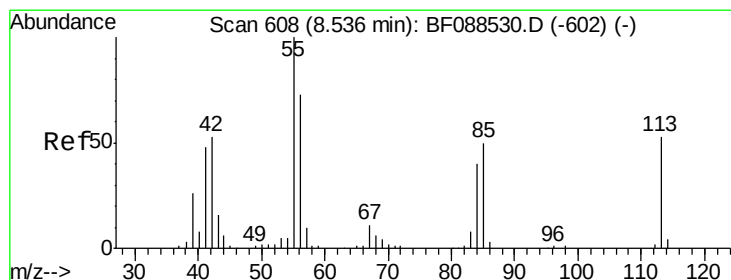
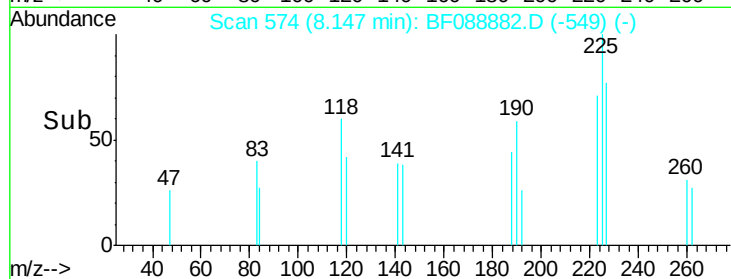
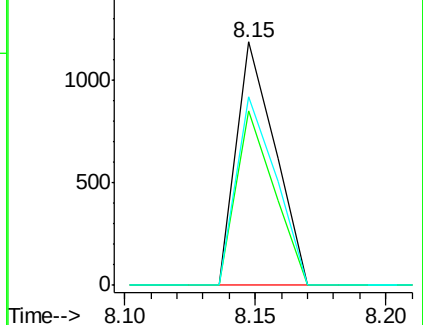
227 77.4 51.9 77.9



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: 0.49 ng

RT: 8.39 min Scan# 595

Delta R.T. -0.08 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

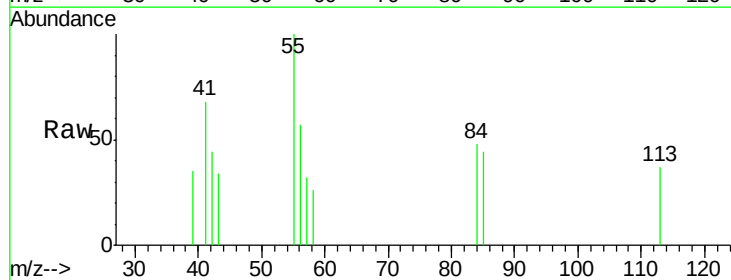
Tgt Ion:113 Resp: 623

Ion Ratio Lower Upper

113 100

55 273.3 158.6 198.6#

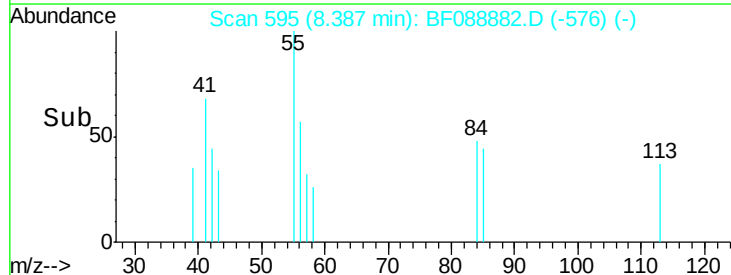
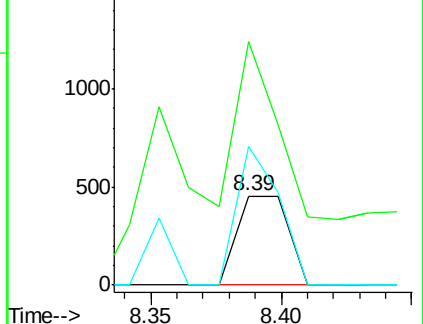
56 155.1 110.6 150.6#

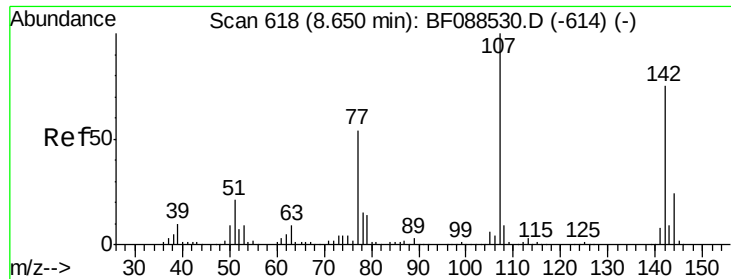


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

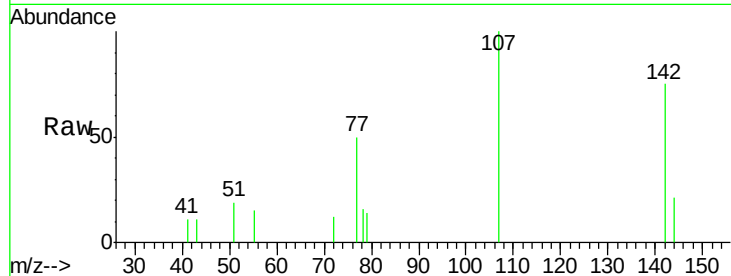




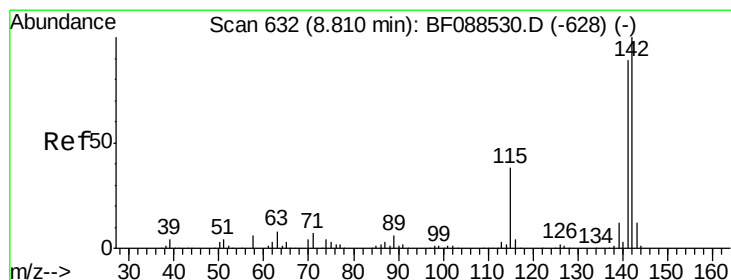
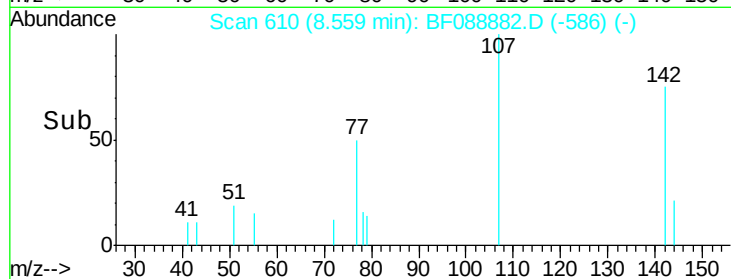
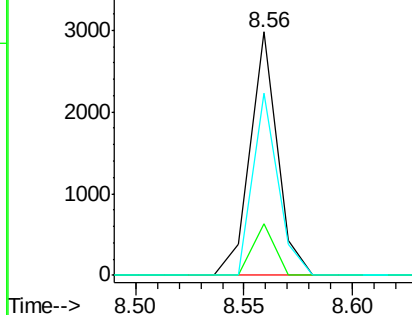
#36  
 4-Chloro-3-methylphenol  
 Concen: 0.58 ng  
 RT: 8.56 min Scan# 610  
 Delta R.T. -0.02 min  
 Lab File: BF088882.D  
 Acq: 9 Jul 2016 20:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS004-0006-01MSD

Tot Ion:107 Resp: 2595  
 Ion Ratio Lower Upper  
 107 100  
 144 21.0 20.8 31.2  
 142 74.7 63.4 95.2

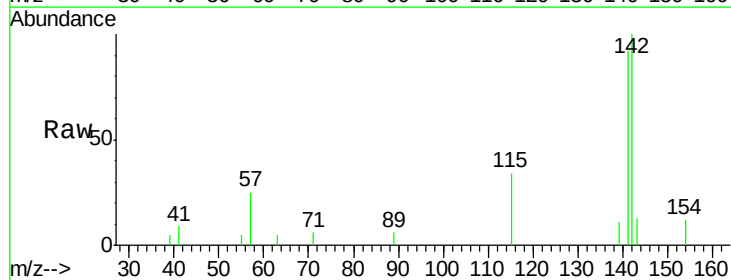


Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

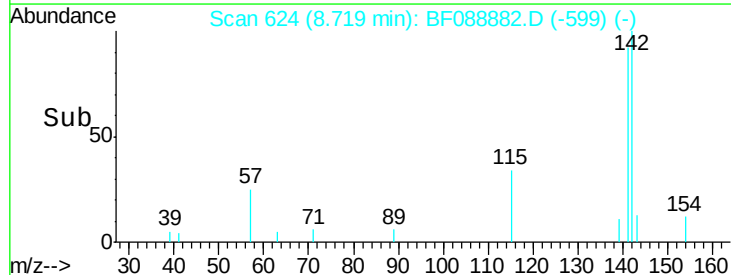
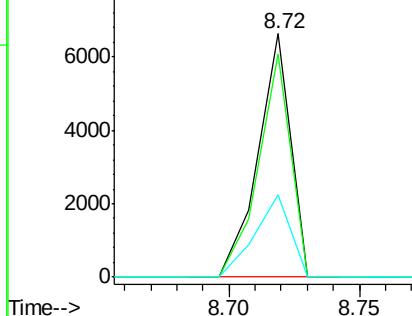


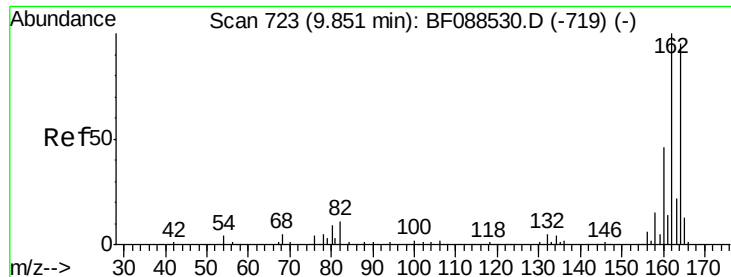
#37  
 2-Methylnaphthalene  
 Concen: 0.64 ng  
 RT: 8.72 min Scan# 624  
 Delta R.T. -0.01 min  
 Lab File: BF088882.D  
 Acq: 9 Jul 2016 20:32

Tgt Ion:142 Resp: 5795  
 Ion Ratio Lower Upper  
 142 100  
 141 91.7 71.0 106.6  
 115 34.0 22.6 33.8#



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: 9.75 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

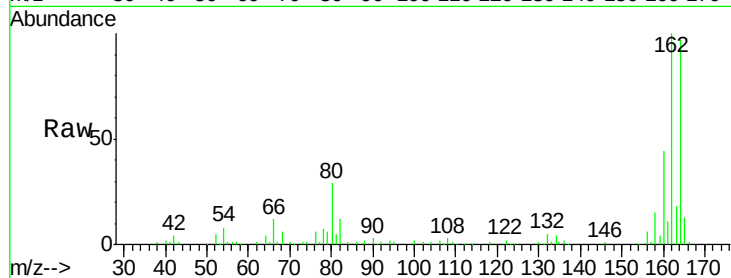
Tot Ion:164 Resp: 129528

Ion Ratio Lower Upper

164 100

162 103.3 85.4 128.2

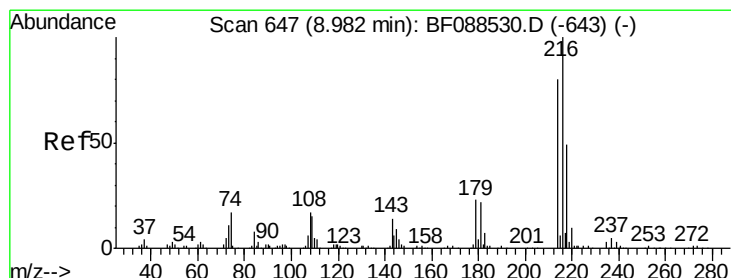
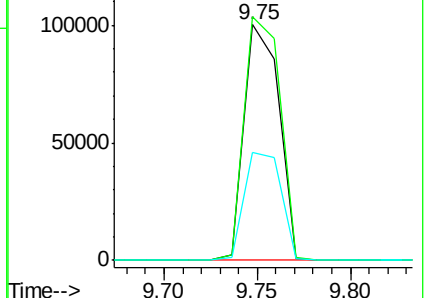
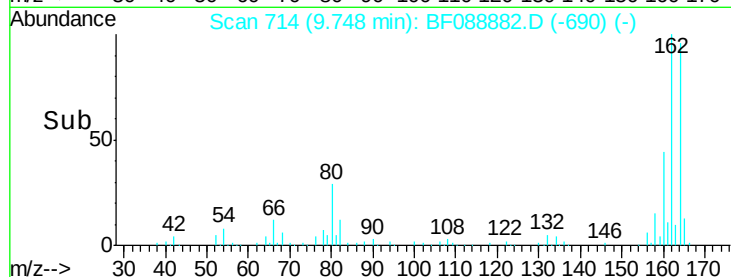
160 45.8 39.5 59.3



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: 0.51 ng

RT: 8.88 min Scan# 638

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Tgt Ion:216 Resp: 2201

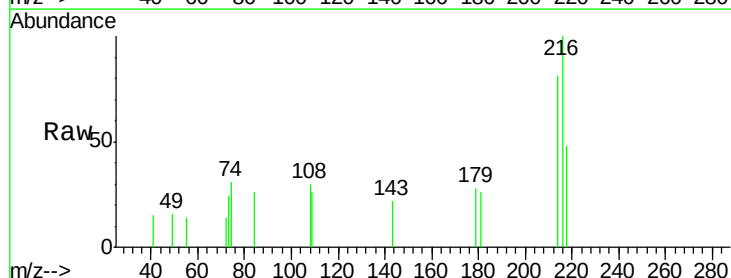
Ion Ratio Lower Upper

216 100

214 77.1 2.9 4.3#

179 19.4 0.0 0.0#

108 20.6 0.5 0.7#

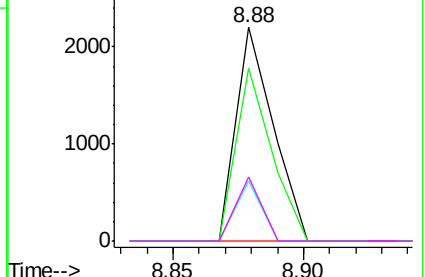
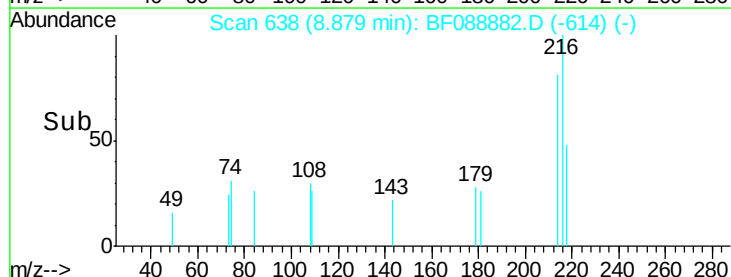


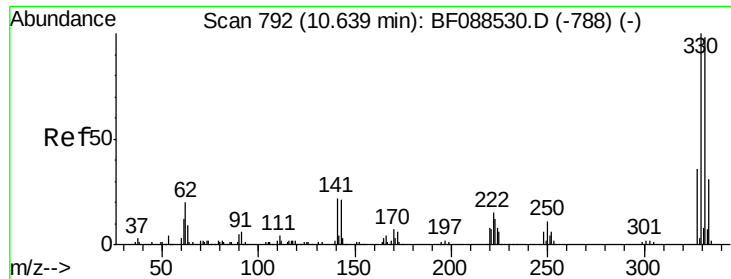
Abundance Ion 216.00 (215.70 to 216.70): E

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

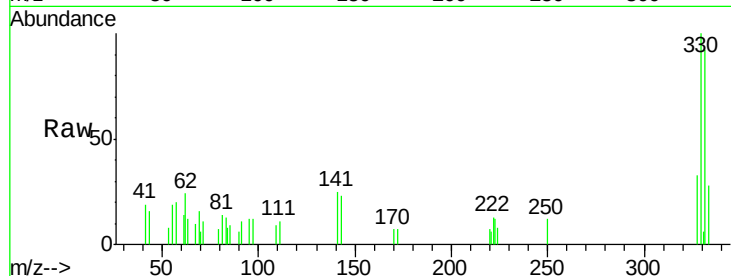




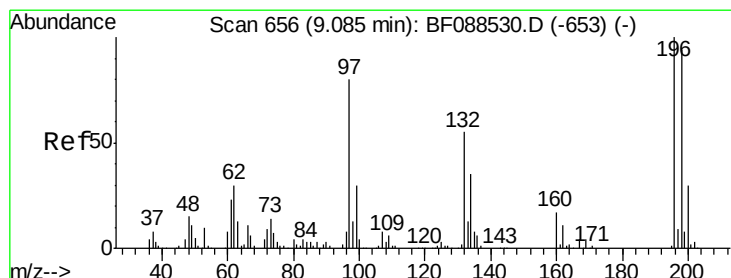
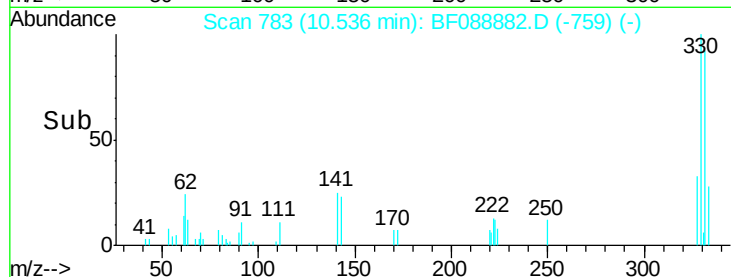
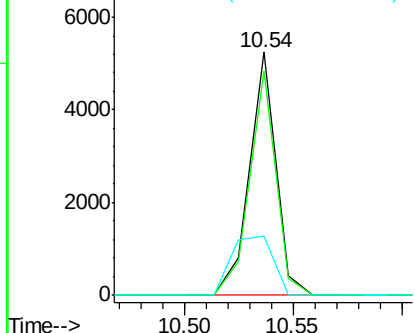
#41  
 2,4,6-Tribromophenol  
 Concen: 3.70 ng  
 RT: 10.54 min Scan# 783  
 Delta R.T. -0.02 min  
 Lab File: BF088882.D  
 Acq: 9 Jul 2016 20:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS004-0006-01MSD

Tot Ion:330 Resp: 4451  
 Ion Ratio Lower Upper  
 330 100  
 332 91.8 0.0 0.0#  
 141 38.3 0.0 0.0#

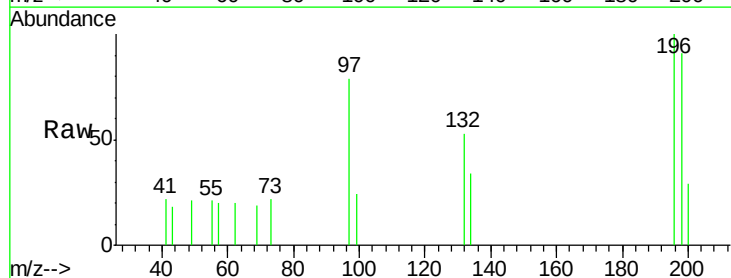


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

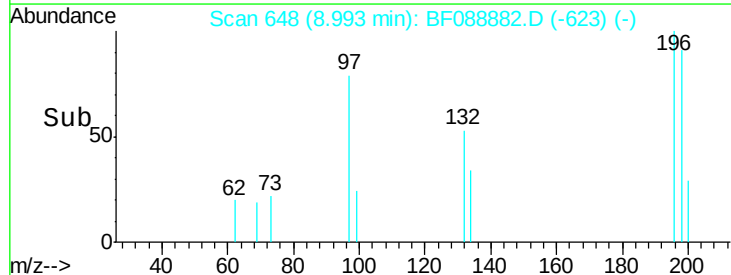
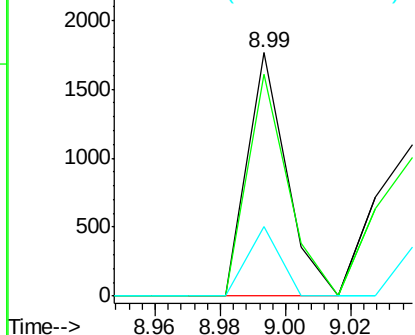


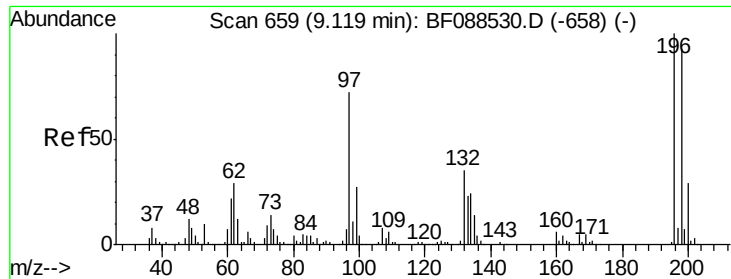
#42  
 2,4,6-Trichlorophenol  
 Concen: 0.51 ng  
 RT: 8.99 min Scan# 648  
 Delta R.T. -0.01 min  
 Lab File: BF088882.D  
 Acq: 9 Jul 2016 20:32

Tgt Ion:196 Resp: 1457  
 Ion Ratio Lower Upper  
 196 100  
 198 91.0 78.0 117.0  
 200 28.5 25.4 38.2



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

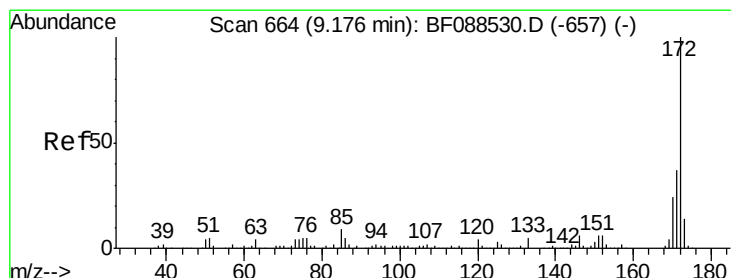
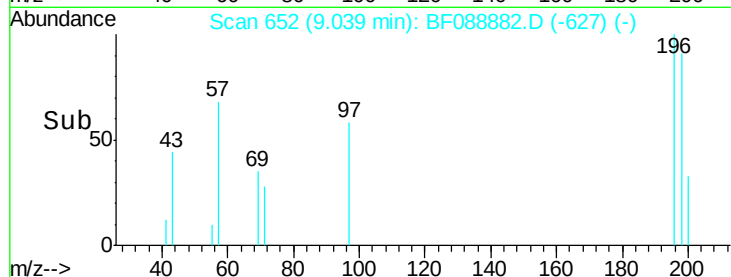
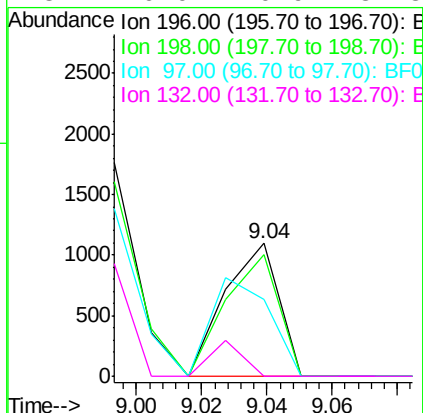
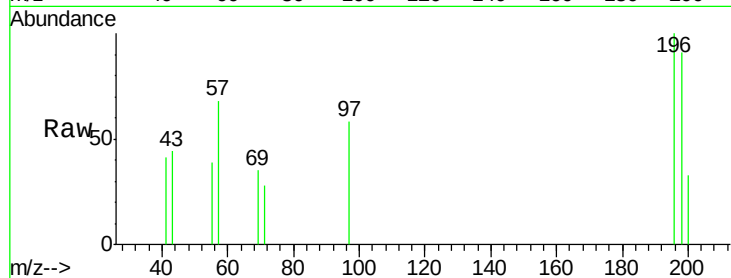




#43  
 2,4,5-Trichlorophenol  
 Concen: 0.51 ng  
 RT: 9.04 min Scan# 652  
 Delta R.T. -0.01 min  
 Lab File: BF088882.D  
 Acq: 9 Jul 2016 20:32

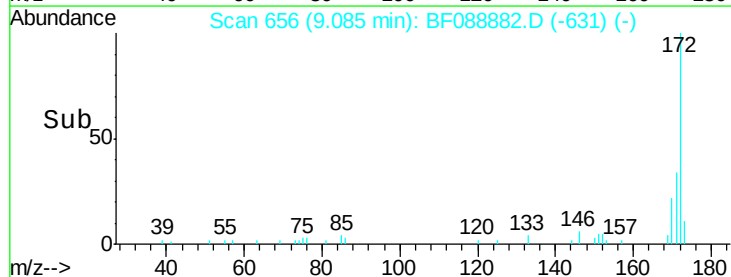
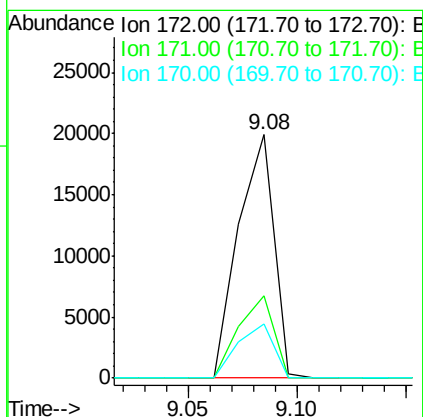
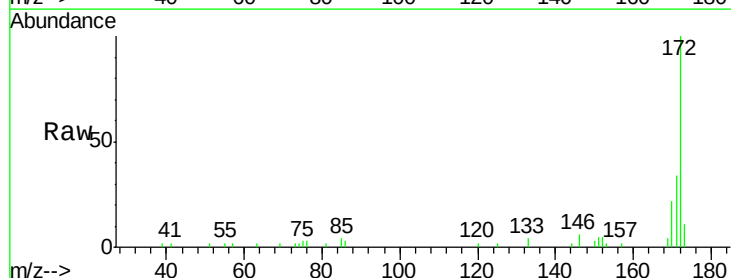
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS004-0006-01MSD

Tot Ion:196 Resp: 1243  
 Ion Ratio Lower Upper  
 196 100  
 198 91.4 77.5 116.3  
 97 58.3 32.0 48.0#  
 132 0.0 20.9 31.3#

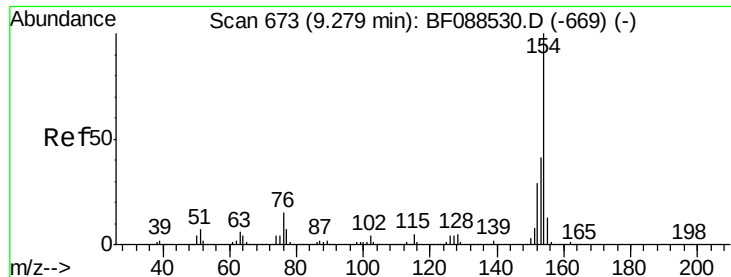


#44  
 2-Fluorobiphenyl  
 Concen: 2.75 ng  
 RT: 9.08 min Scan# 656  
 Delta R.T. -0.01 min  
 Lab File: BF088882.D  
 Acq: 9 Jul 2016 20:32

Tgt Ion:172 Resp: 22517  
 Ion Ratio Lower Upper  
 172 100  
 171 33.6 28.6 43.0  
 170 22.2 19.2 28.8







#45

1,1'-Biphenyl

Concen: 0.61 ng

RT: 9.18 min Scan# 664

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

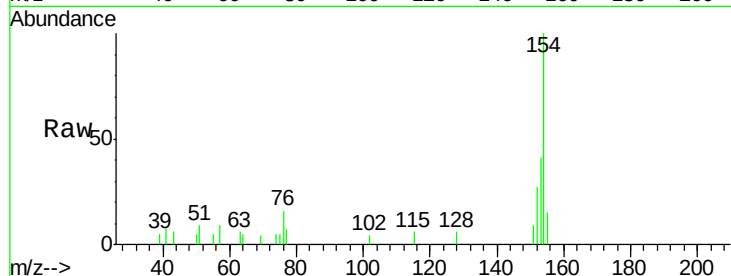
Tot Ion:154 Resp: 6508

Ion Ratio Lower Upper

154 100

153 41.2 20.6 60.6

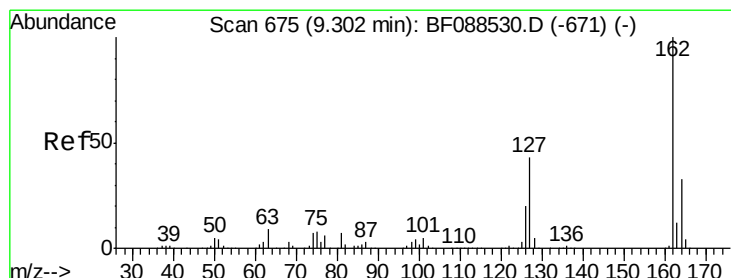
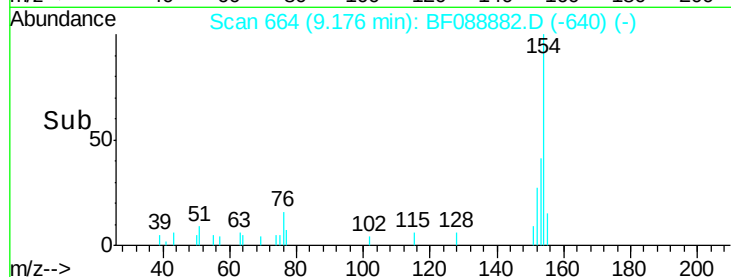
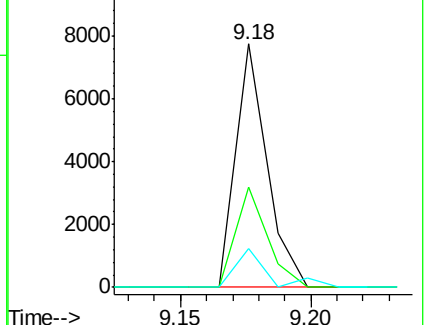
76 15.8 0.0 35.1



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): E



#46

2-Chloronaphthalene

Concen: 0.67 ng

RT: 9.20 min Scan# 666

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

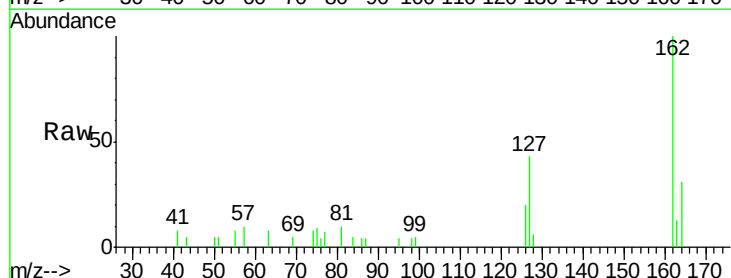
Tgt Ion:162 Resp: 5635

Ion Ratio Lower Upper

162 100

127 43.5 35.2 52.8

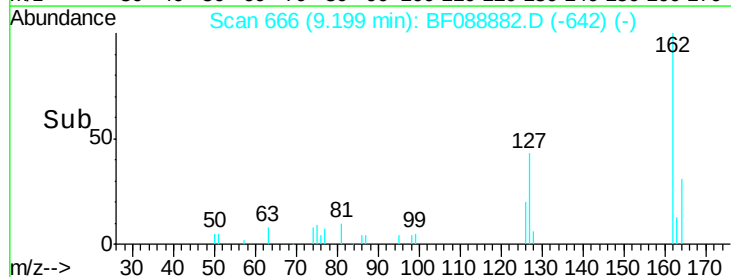
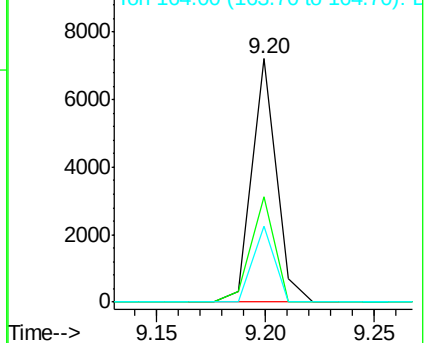
164 31.2 26.6 39.8

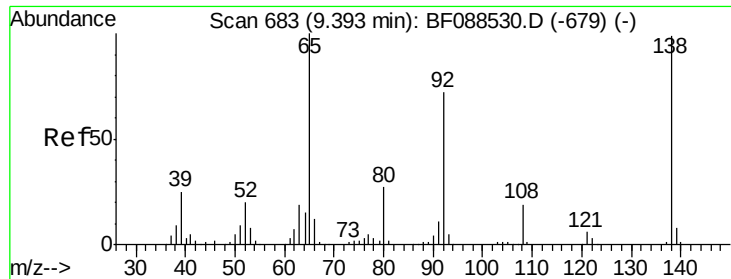


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

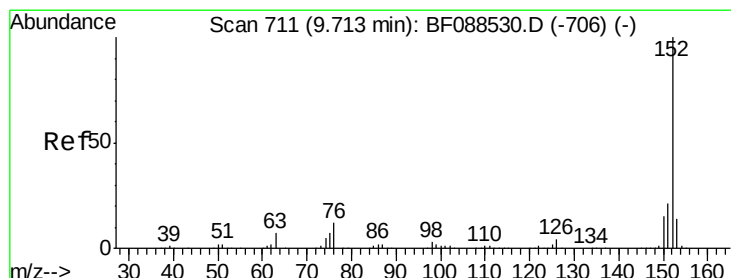
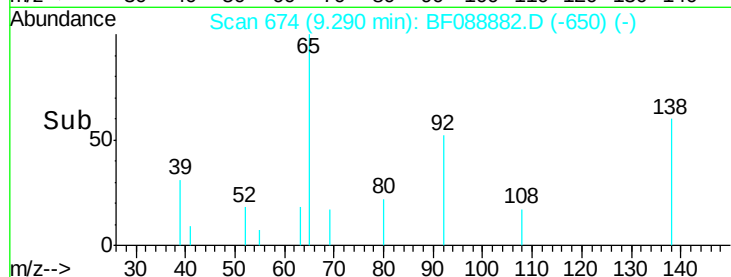
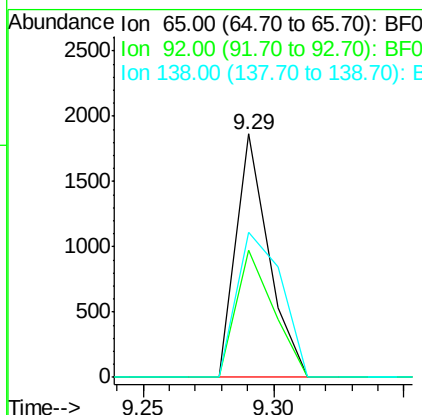
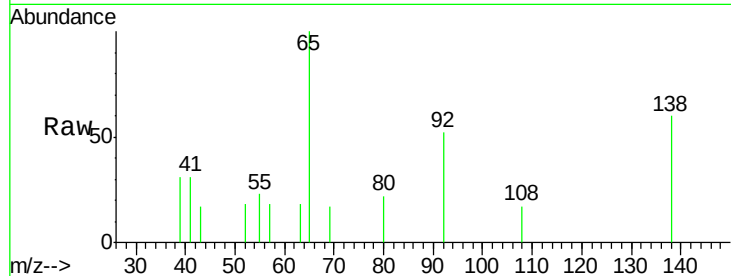




#47  
2-Nitroaniline  
Concen: 0.55 ng  
RT: 9.29 min Scan# 674  
Delta R.T. -0.02 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

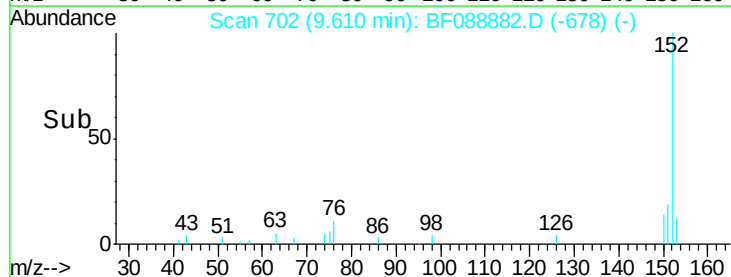
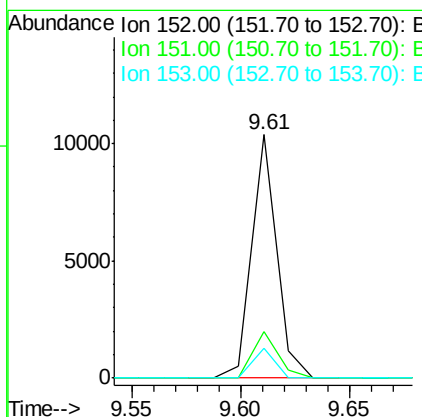
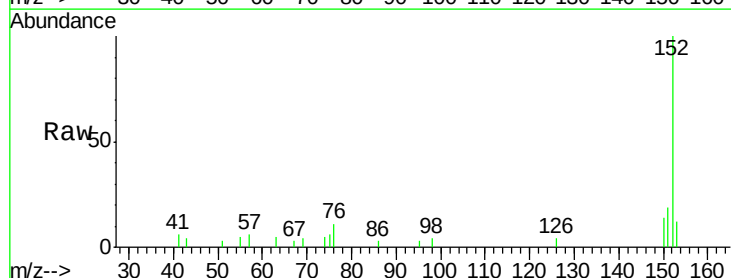
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS004-0006-01MSD

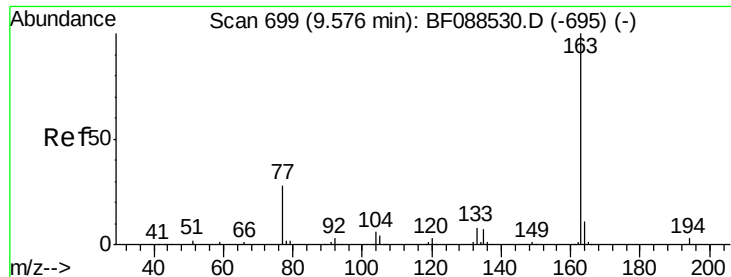
Tot Ion: 65 Resp: 1642  
Ion Ratio Lower Upper  
65 100  
92 52.2 54.6 82.0#  
138 59.8 77.0 115.4#



#48  
Acenaphthylene  
Concen: 0.62 ng  
RT: 9.61 min Scan# 702  
Delta R.T. -0.02 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

Tgt Ion: 152 Resp: 8253  
Ion Ratio Lower Upper  
152 100  
151 19.1 16.2 24.4  
153 12.1 11.0 16.6





#49

Dimethylphthalate

Concen: 0.82 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

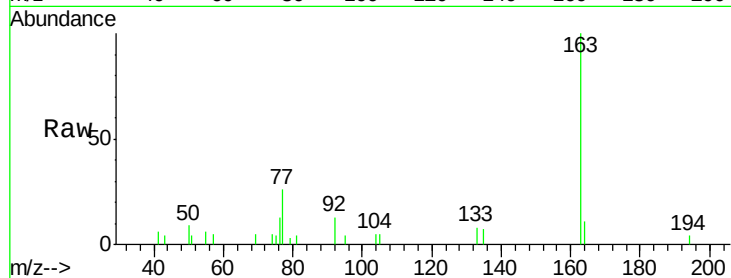
Tot Ion:163 Resp: 7560

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

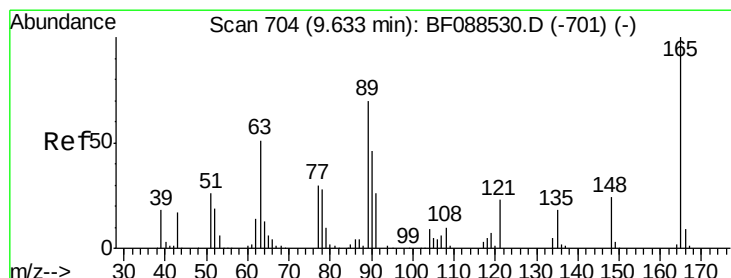
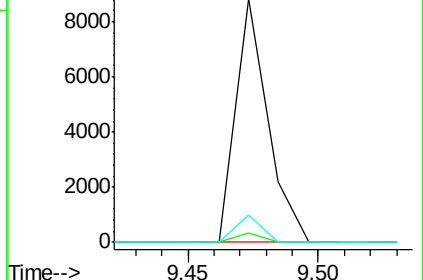
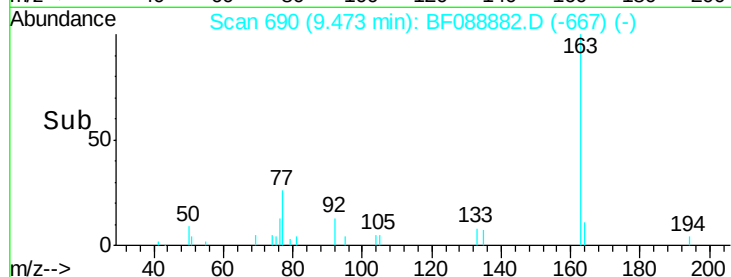
164 11.0 8.3 12.5



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: 0.56 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

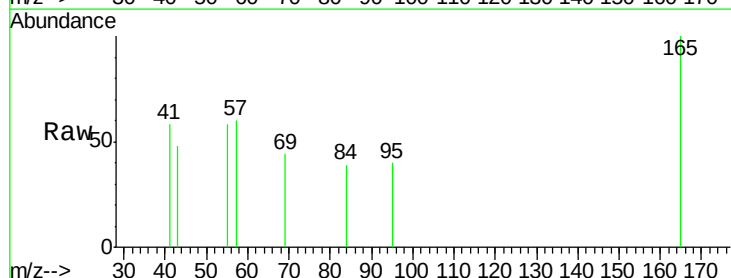
Tgt Ion:165 Resp: 1136

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

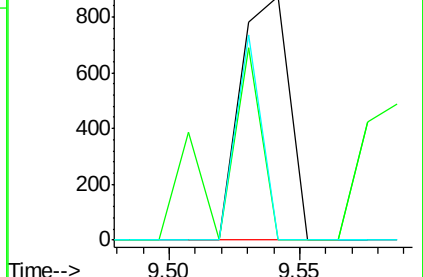
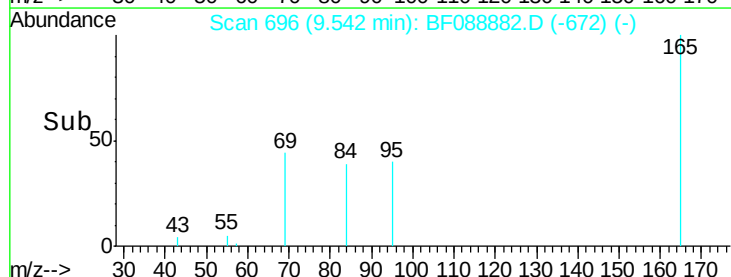
89 0.0 32.2 48.2#

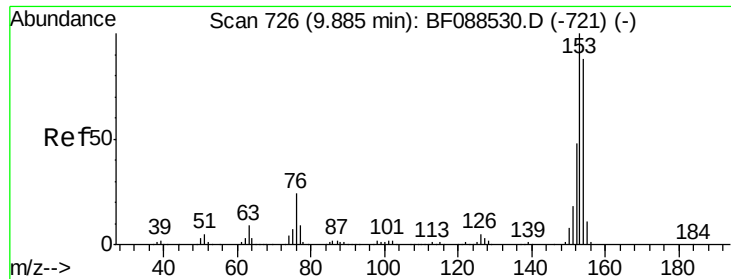


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.65 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

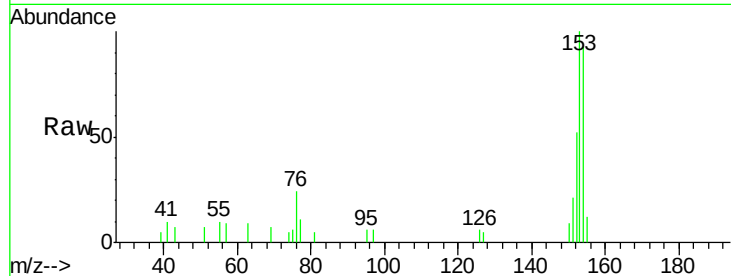
Tot Ion:154 Resp: 5339

Ion Ratio Lower Upper

154 100

153 107.5 89.5 134.3

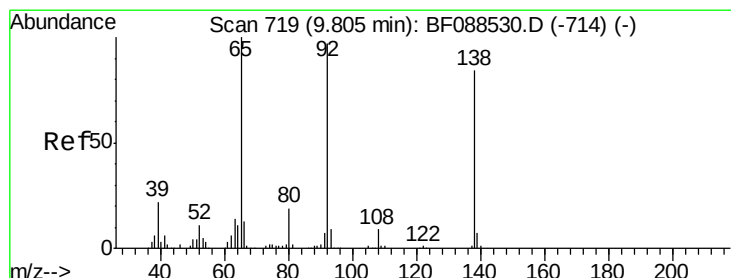
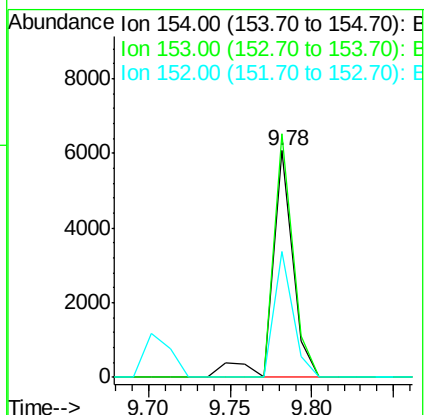
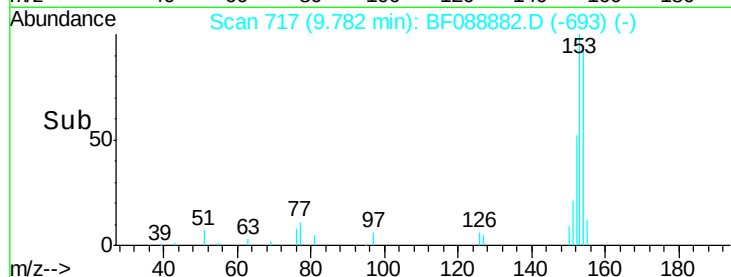
152 55.7 42.7 64.1



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: 0.26 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

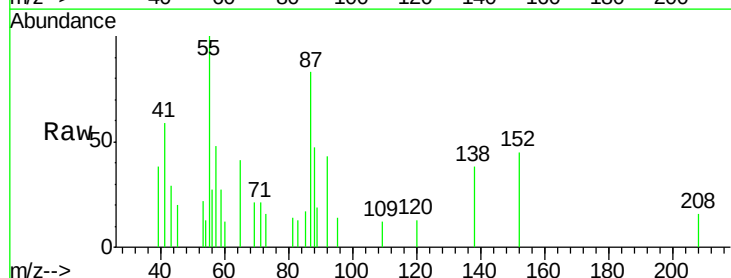
Tgt Ion:138 Resp: 675

Ion Ratio Lower Upper

138 100

108 0.0 8.5 12.7#

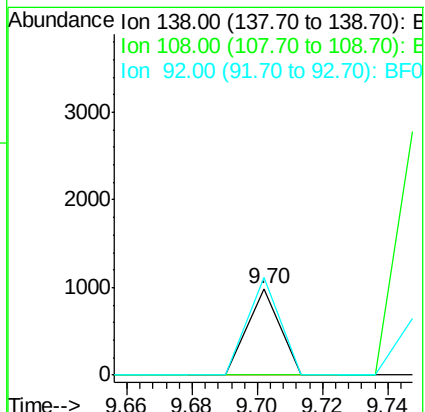
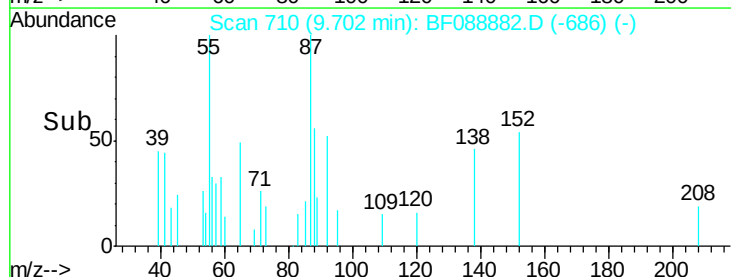
92 113.9 95.7 143.5

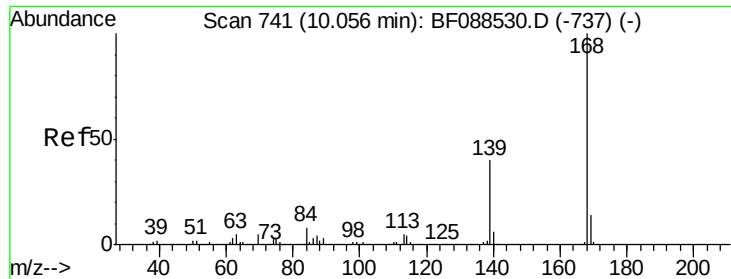


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

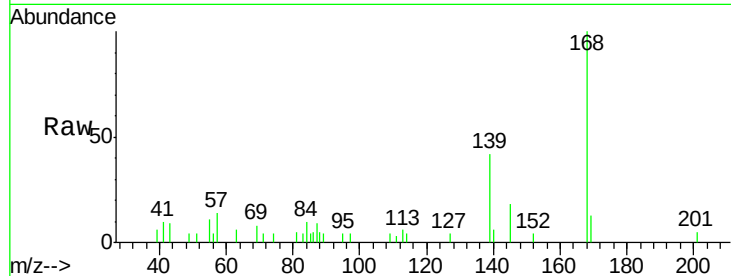




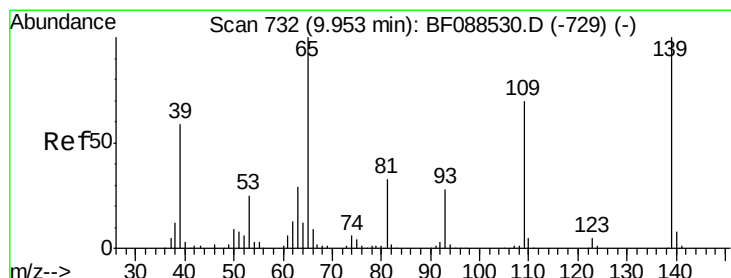
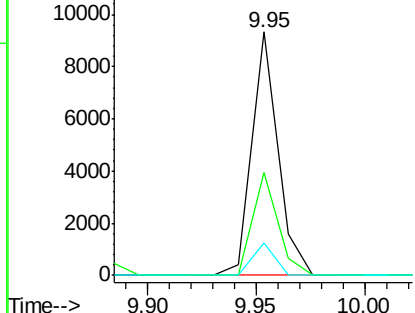
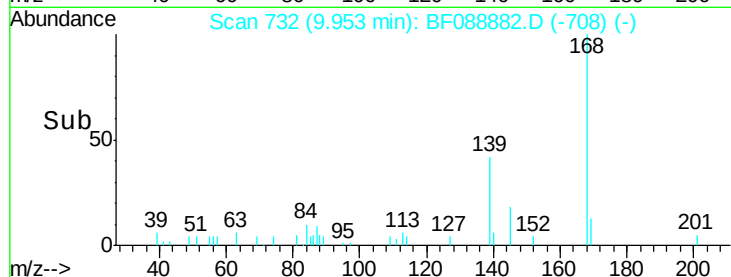
#54  
Dibenzofuran  
Concen: 0.72 ng  
RT: 9.95 min Scan# 732  
Delta R.T. -0.02 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS004-0006-01MSD

Tot Ion:168 Resp: 7754  
Ion Ratio Lower Upper  
168 100  
139 42.4 26.4 39.6#  
169 13.4 10.4 15.6

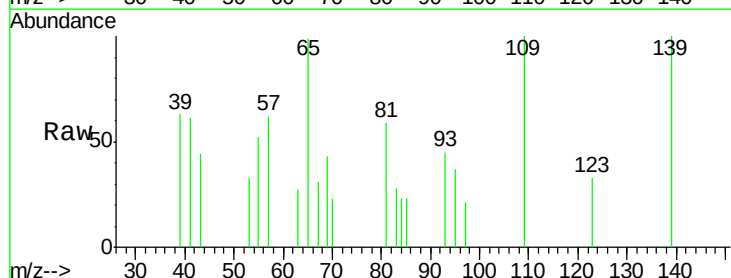


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

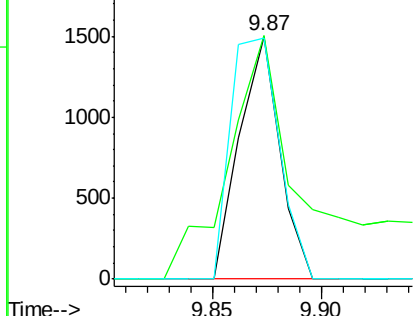
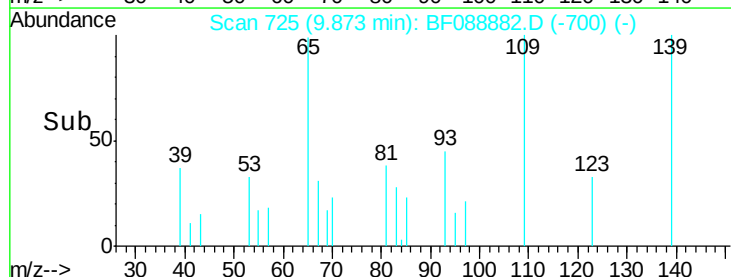


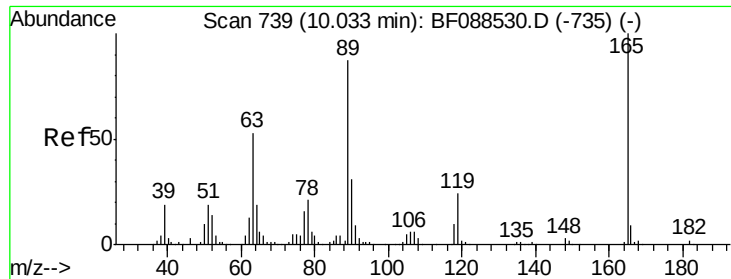
#55  
4-Nitrophenol  
Concen: 0.98 ng  
RT: 9.87 min Scan# 725  
Delta R.T. -0.01 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

Tgt Ion:139 Resp: 1929  
Ion Ratio Lower Upper  
139 100  
109 100.3 48.9 88.9#  
65 99.2 84.9 124.9



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: 0.52 ng

RT: 9.94 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

Tot Ion:165 Resp: 1378

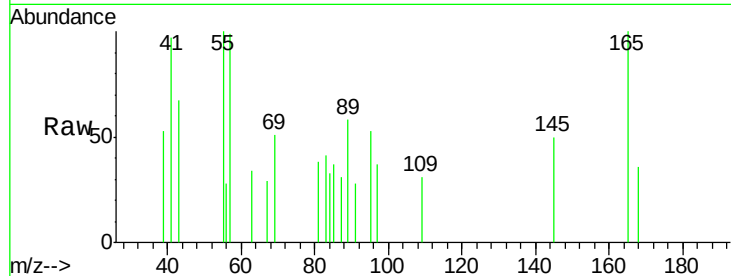
Ion Ratio Lower Upper

165 100

63 34.3 22.0 33.0#

89 57.8 41.1 61.7

182 0.0 2.0 3.0#

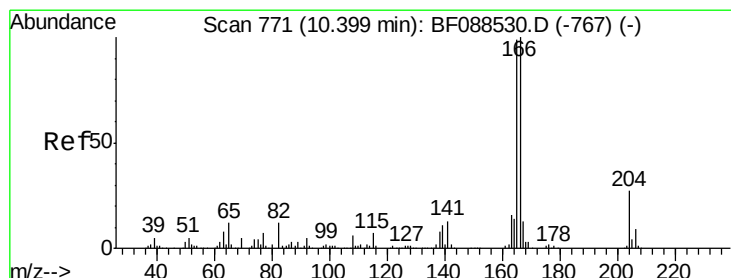
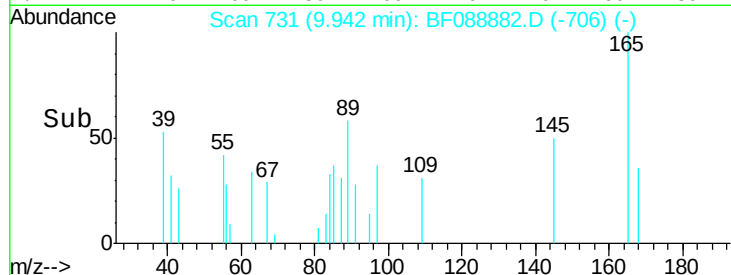
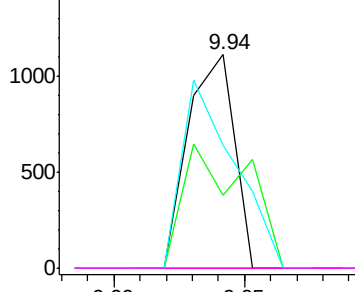


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 0.75 ng

RT: 10.30 min Scan# 762

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

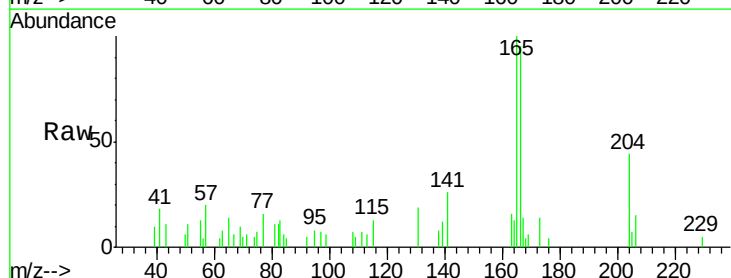
Tgt Ion:166 Resp: 6206

Ion Ratio Lower Upper

166 100

165 105.4 77.8 116.8

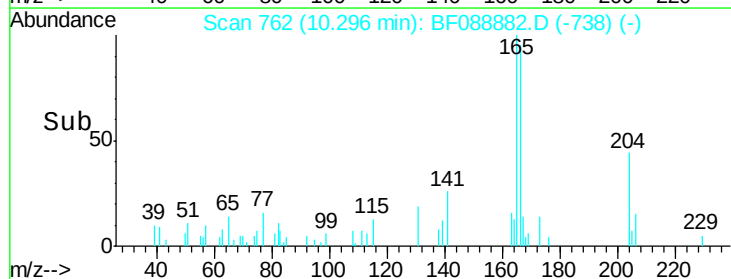
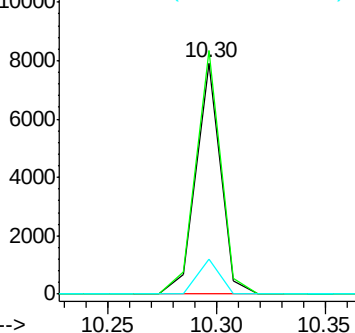
167 15.1 11.2 16.8

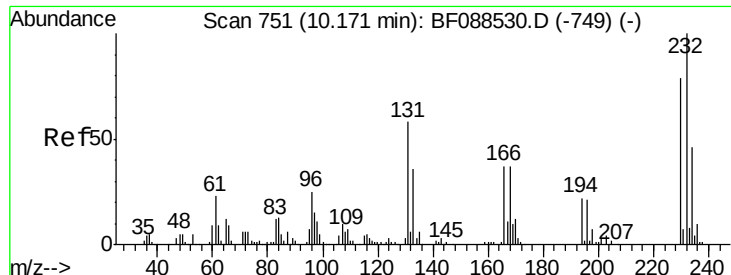


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

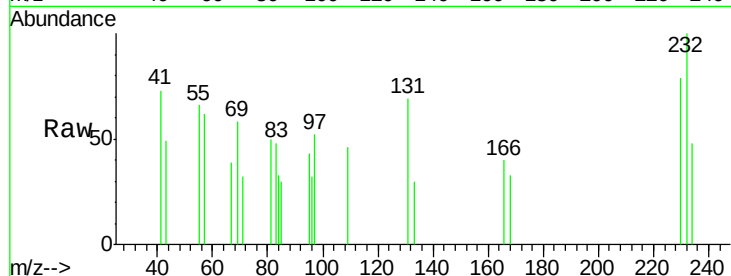




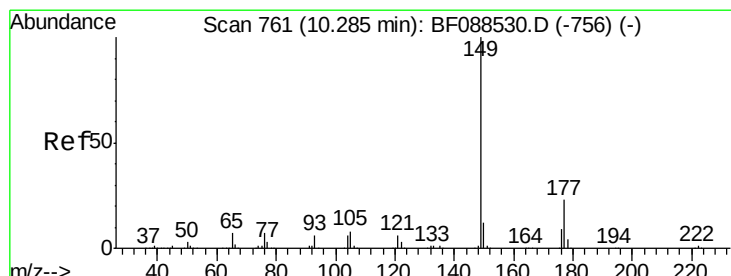
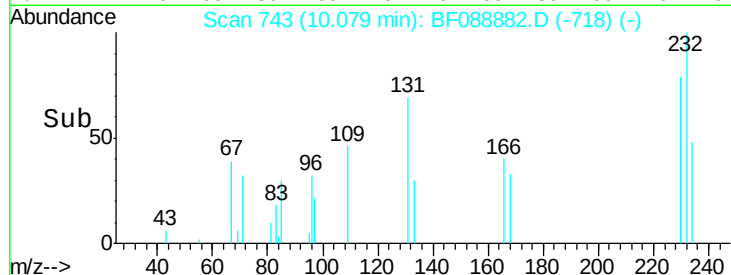
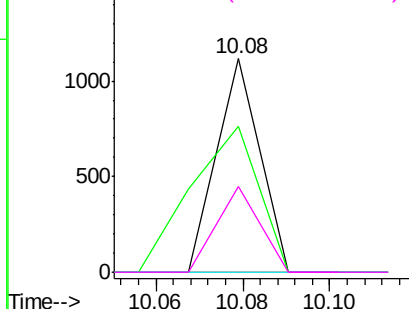
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 0.41 ng  
 RT: 10.08 min Scan# 743  
 Delta R.T. -0.01 min  
 Lab File: BF088882.D  
 Acq: 9 Jul 2016 20:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS004-0006-01MSD

Tot Ion:232 Resp: 766  
 Ion Ratio Lower Upper  
 232 100  
 131 107.6 0.9 1.3#  
 130 0.0 1.5 2.3#  
 166 39.8 0.5 0.7#

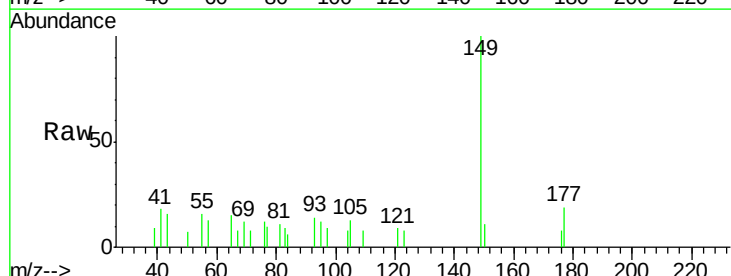


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

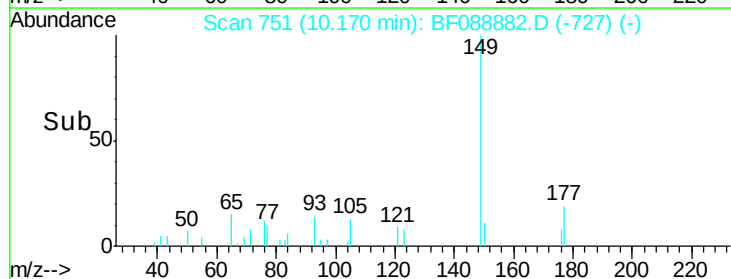
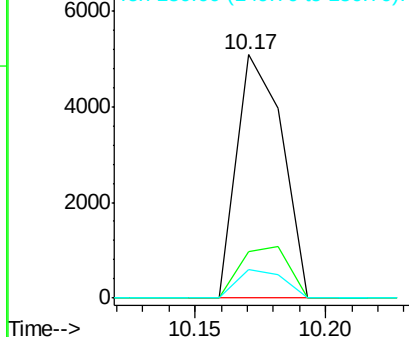


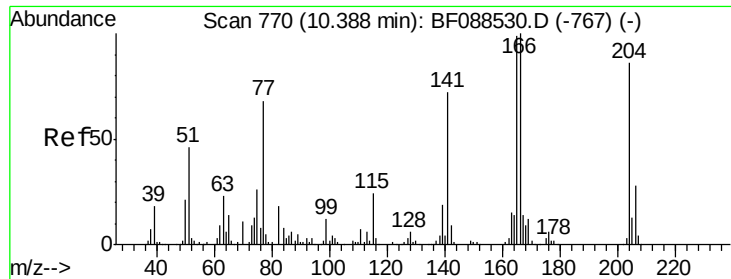
#59  
 Diethylphthalate  
 Concen: 0.67 ng  
 RT: 10.17 min Scan# 751  
 Delta R.T. -0.02 min  
 Lab File: BF088882.D  
 Acq: 9 Jul 2016 20:32

Tgt Ion:149 Resp: 6210  
 Ion Ratio Lower Upper  
 149 100  
 177 19.0 16.9 25.3  
 150 11.5 10.1 15.1



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: 0.73 ng

RT: 10.30 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

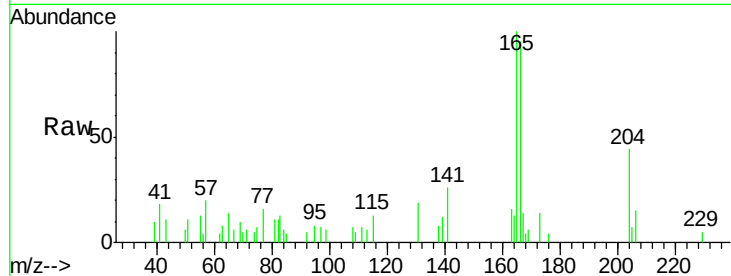
Tot Ion:204 Resp: 2821

Ion Ratio Lower Upper

204 100

206 35.0 26.3 39.5

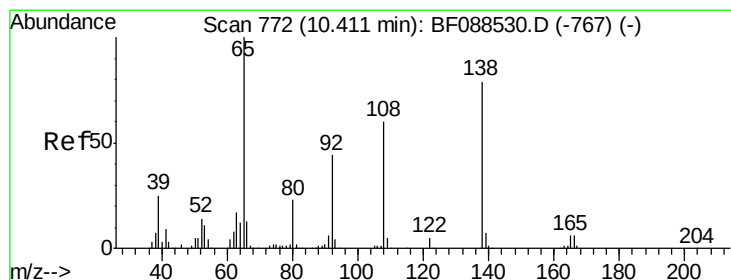
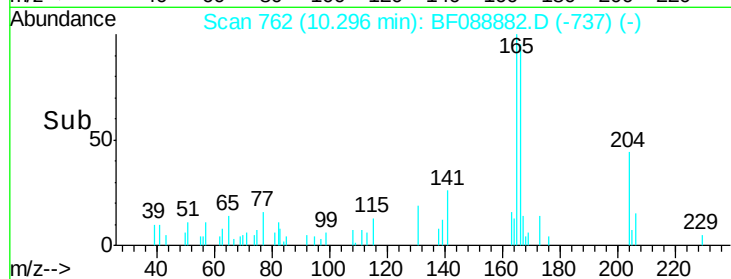
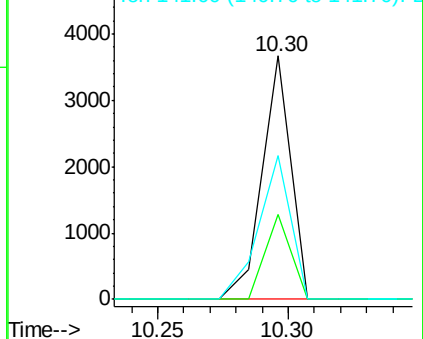
141 59.3 55.0 82.6



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: 0.37 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

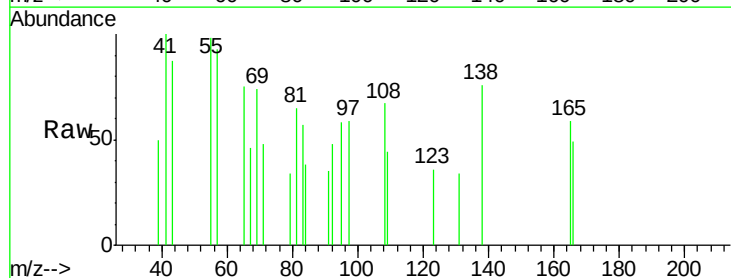
Tgt Ion:138 Resp: 920

Ion Ratio Lower Upper

138 100

92 62.1 27.3 67.3

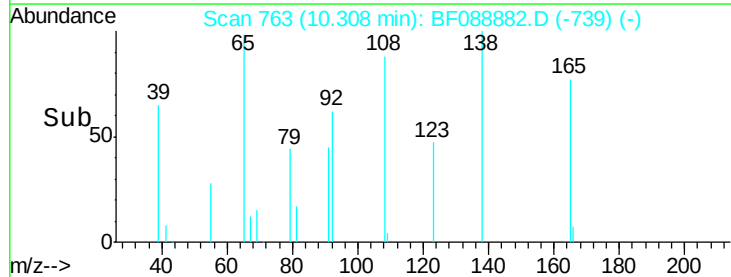
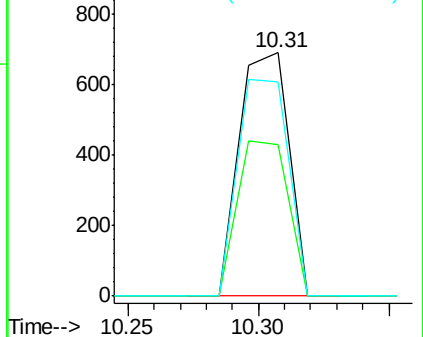
108 87.8 46.7 86.7#



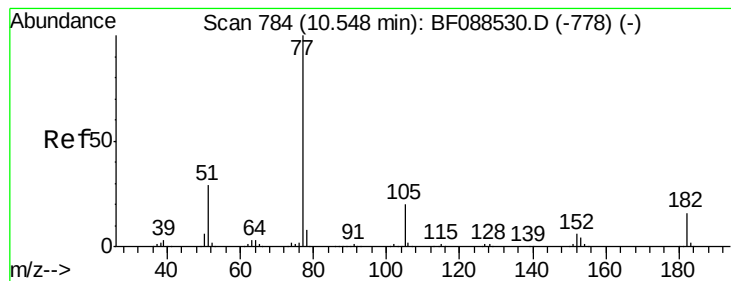
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E







#62

Azobenzene

Concen: 0.63 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

Tot Ion: 77 Resp: 6686

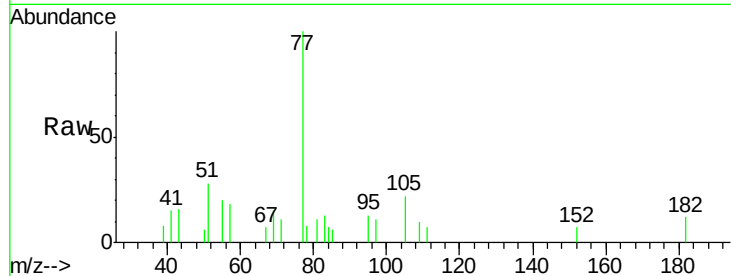
Ion Ratio Lower Upper

77 100

182 12.4 4.4 44.4

105 21.8 3.8 43.8

51 27.8 9.3 49.3

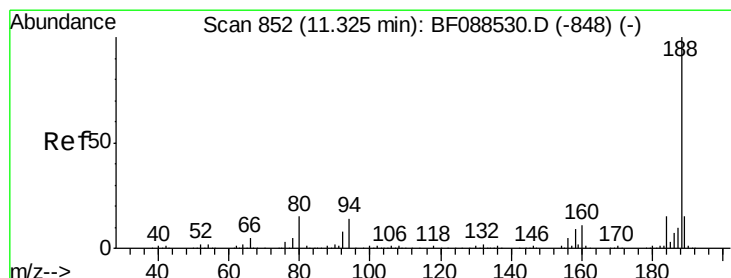
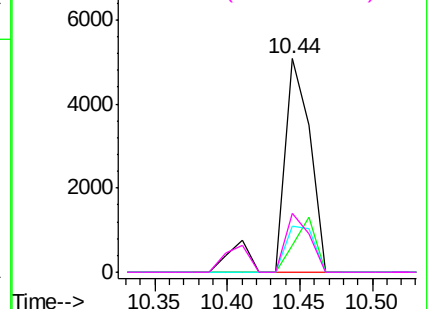
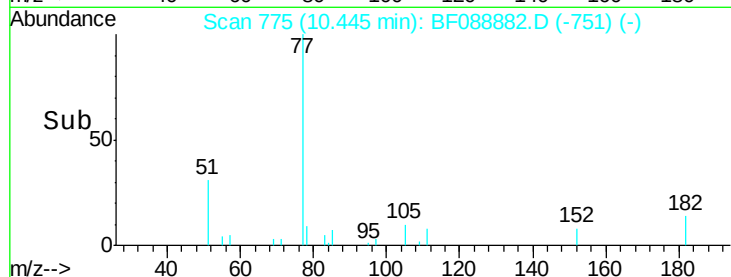


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.23 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

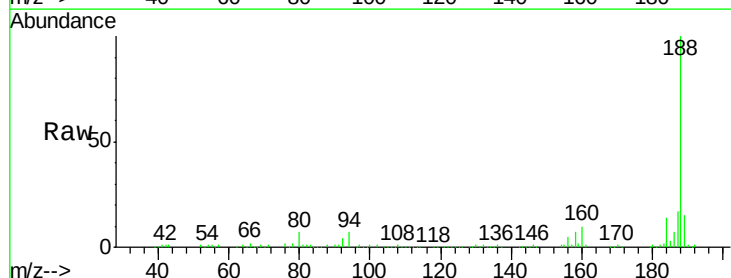
Tgt Ion: 188 Resp: 250898

Ion Ratio Lower Upper

188 100

94 6.6 9.0 13.6#

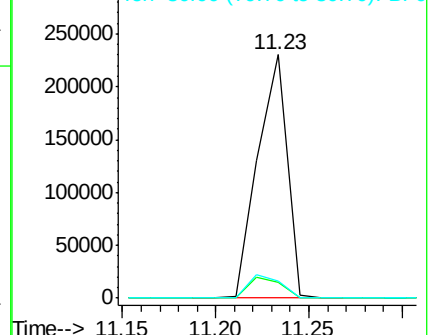
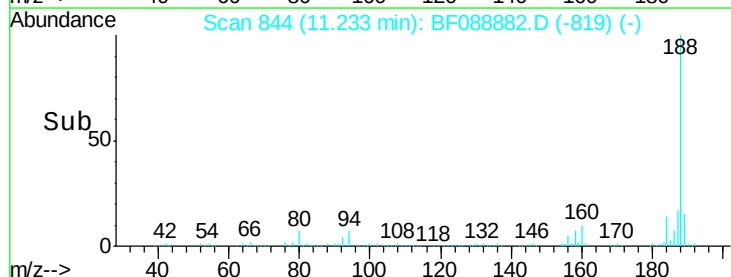
80 6.9 10.0 15.0#

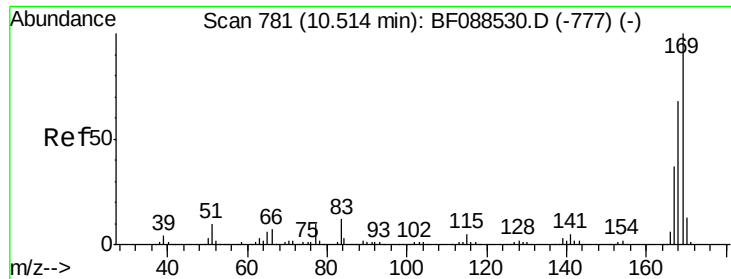


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

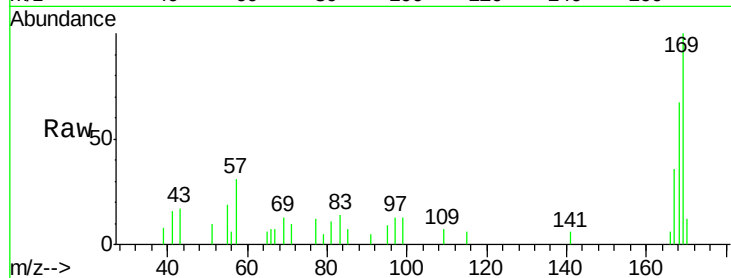




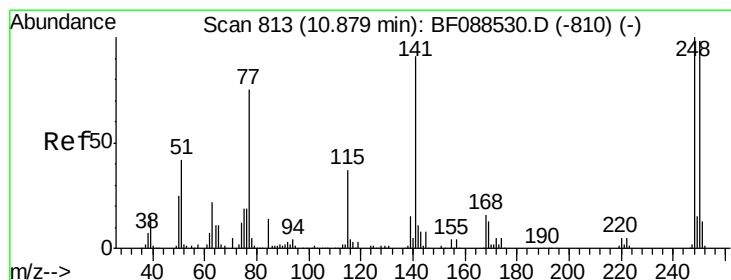
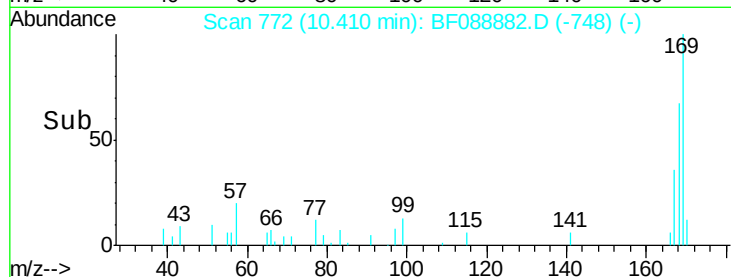
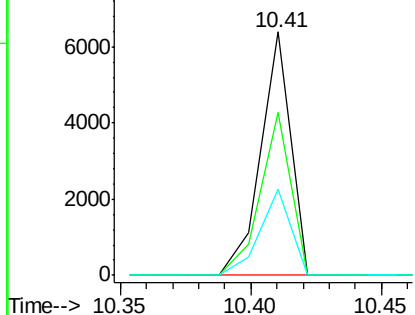
#65  
 n-Nitrosodiphenylamine  
 Concen: 0.61 ng  
 RT: 10.41 min Scan# 772  
 Delta R.T. -0.02 min  
 Lab File: BF088882.D  
 Acq: 9 Jul 2016 20:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS004-0006-01MSD

Tot Ion:169 Resp: 5152  
 Ion Ratio Lower Upper  
 169 100  
 168 66.8 53.4 80.0  
 167 35.5 29.4 44.0

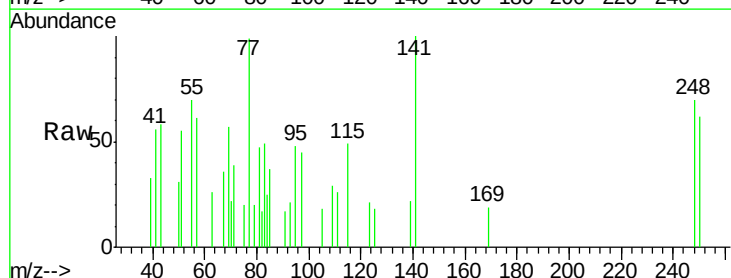


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

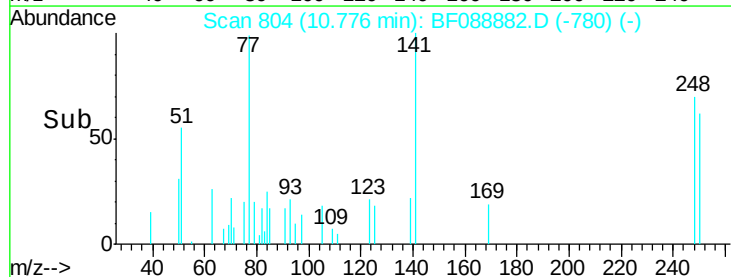
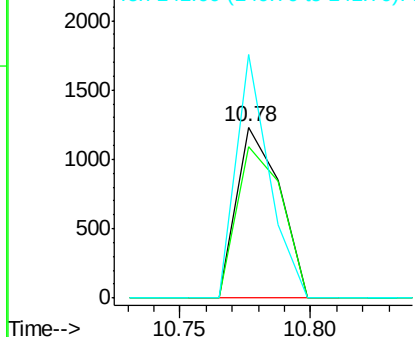


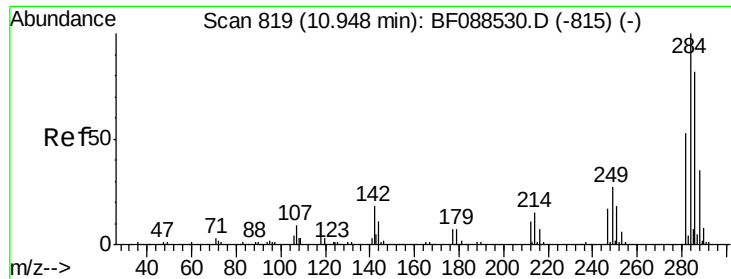
#66  
 4-Bromophenyl-phenylether  
 Concen: 0.57 ng  
 RT: 10.78 min Scan# 804  
 Delta R.T. -0.02 min  
 Lab File: BF088882.D  
 Acq: 9 Jul 2016 20:32

Tgt Ion:248 Resp: 1430  
 Ion Ratio Lower Upper  
 248 100  
 250 88.7 77.1 115.7  
 141 142.3 50.6 76.0#



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: 0.60 ng

RT: 10.84 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

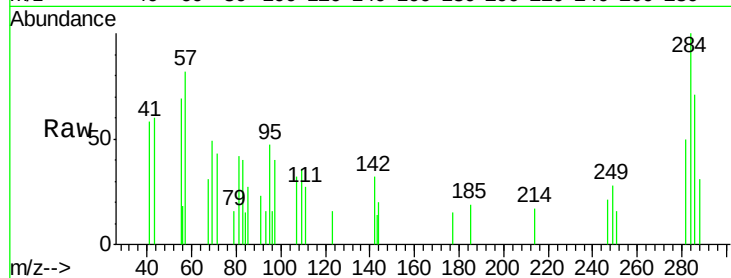
Tot Ion:284 Resp: 1670

Ion Ratio Lower Upper

284 100

142 32.1 35.8 53.8#

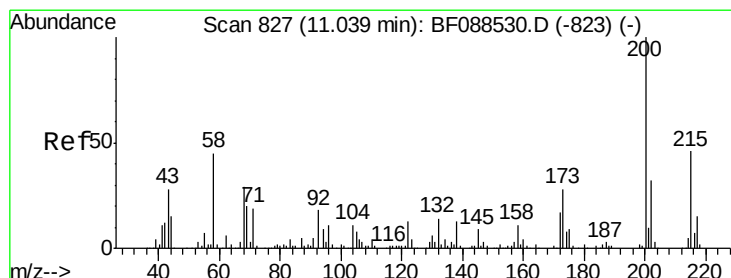
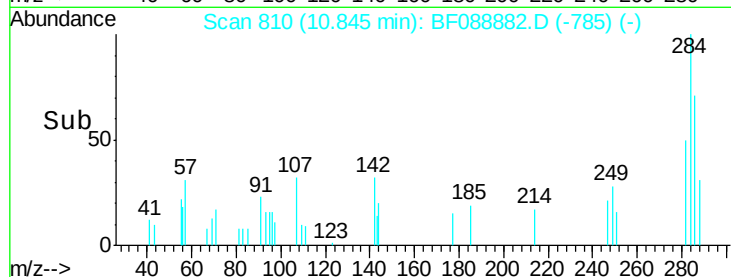
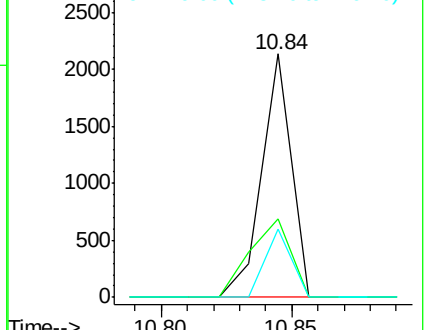
249 28.1 25.8 38.6



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: 0.52 ng

RT: 10.94 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

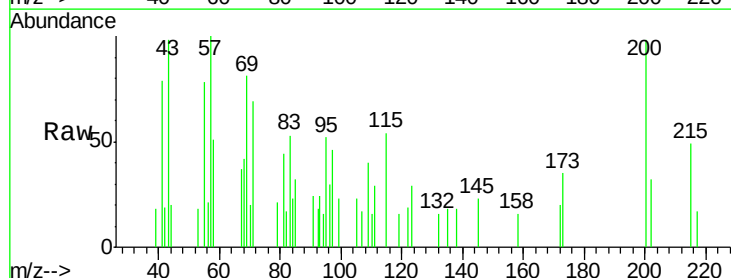
Tgt Ion:200 Resp: 1377

Ion Ratio Lower Upper

200 100

173 35.4 4.0 44.0

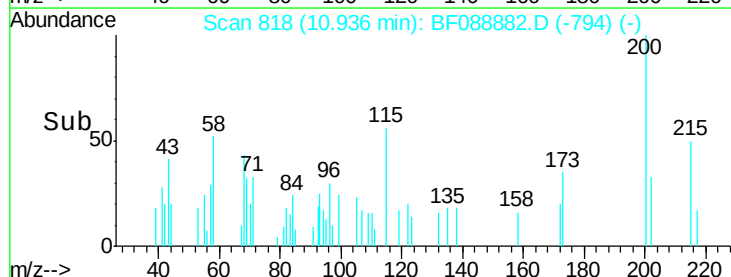
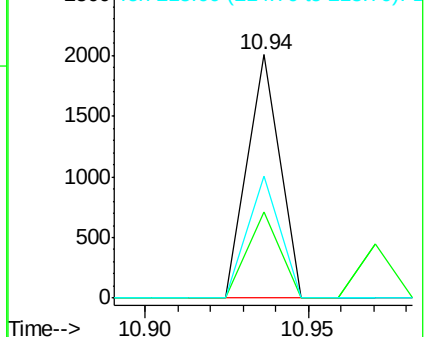
215 50.1 29.3 69.3

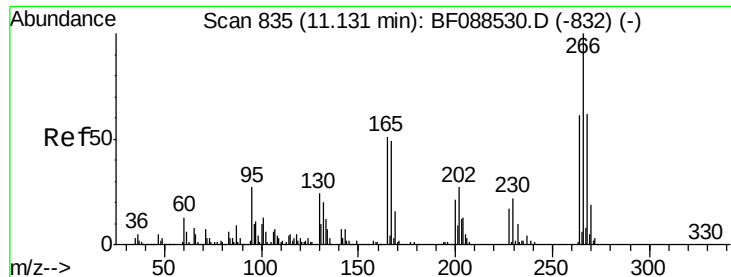


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

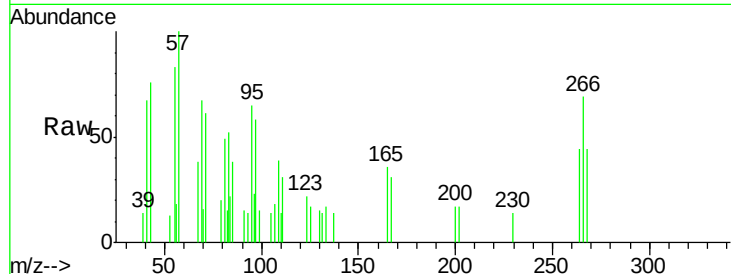




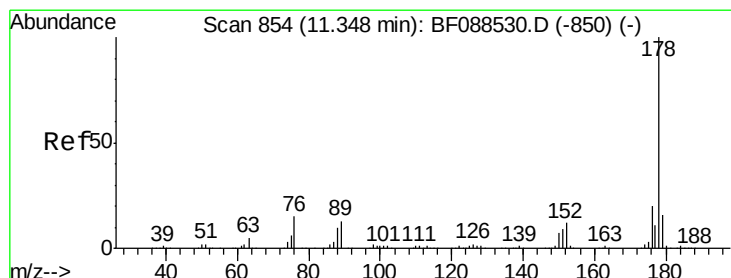
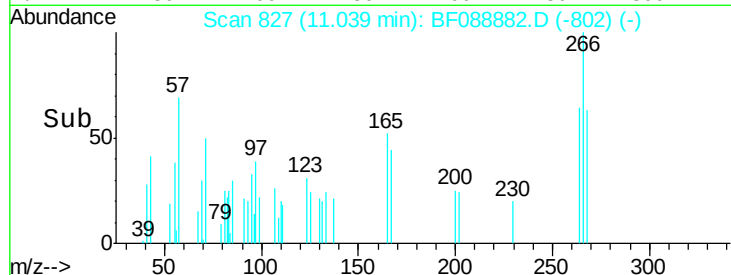
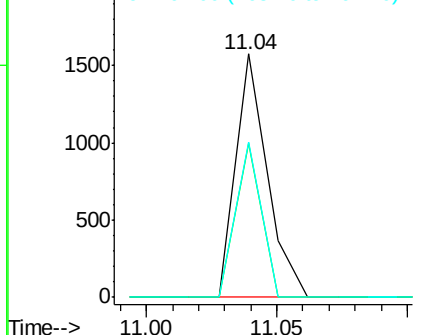
#69  
 Pentachlorophenol  
 Concen: 0.80 ng  
 RT: 11.04 min Scan# 827  
 Delta R.T. -0.01 min  
 Lab File: BF088882.D  
 Acq: 9 Jul 2016 20:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS004-0006-01MSD

Tot Ion:266 Resp: 1333  
 Ion Ratio Lower Upper  
 266 100  
 268 63.2 52.8 79.2  
 264 63.8 49.6 74.4

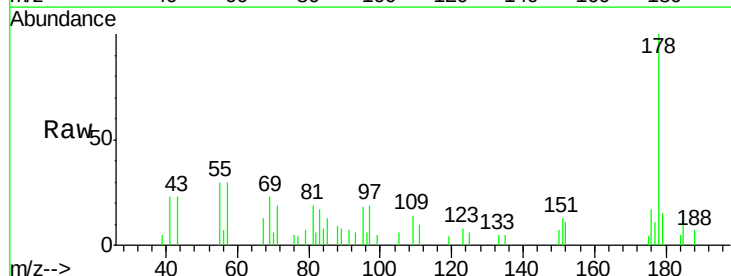


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

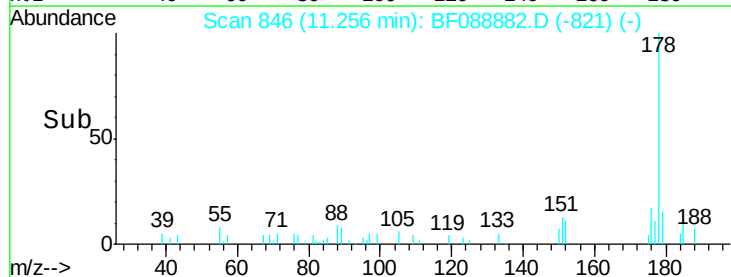
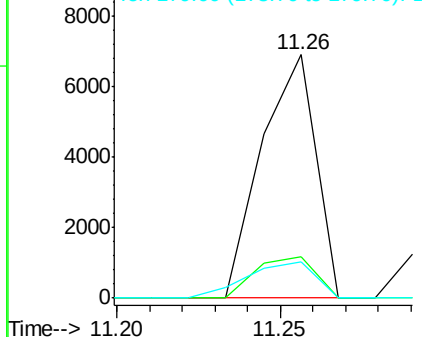


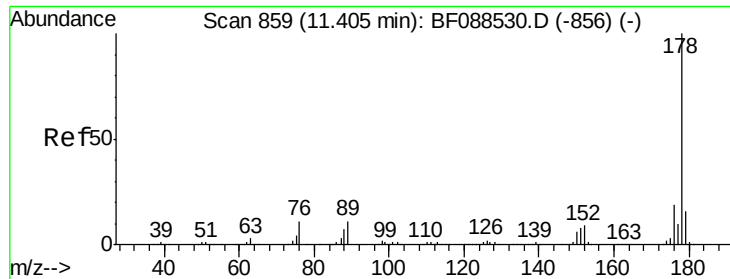
#70  
 Phenanthrene  
 Concen: 0.58 ng  
 RT: 11.26 min Scan# 846  
 Delta R.T. -0.01 min  
 Lab File: BF088882.D  
 Acq: 9 Jul 2016 20:32

Tgt Ion:178 Resp: 7929  
 Ion Ratio Lower Upper  
 178 100  
 176 17.2 15.8 23.6  
 179 14.9 13.0 19.4



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





#71

Anthracene

Concen: 0.63 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

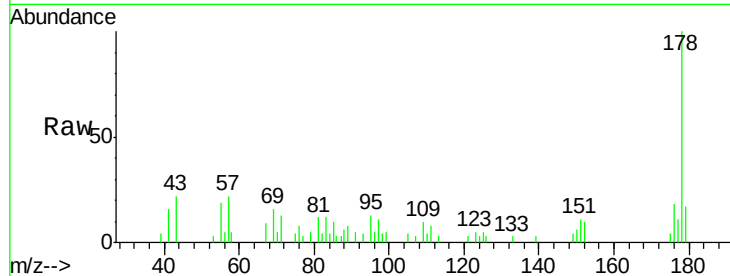
Tot Ion:178 Resp: 8641

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

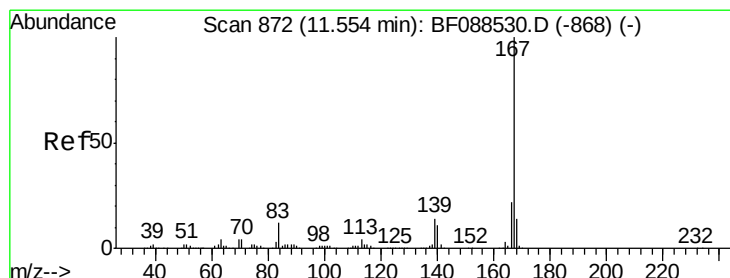
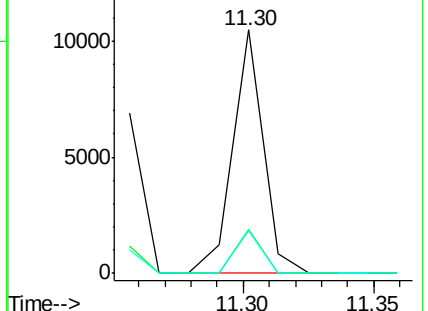
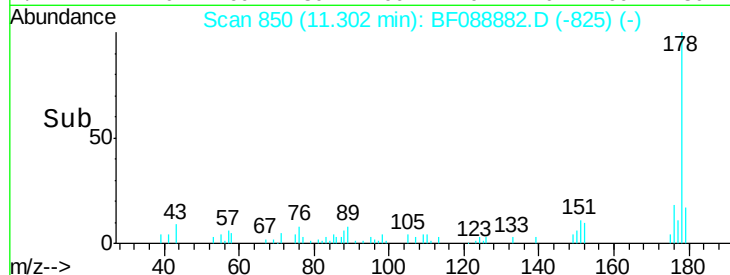
179 17.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 0.55 ng

RT: 11.46 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

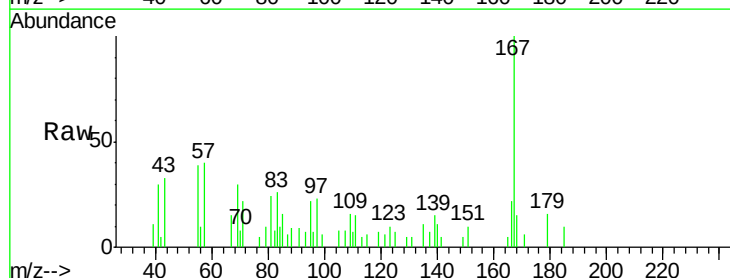
Tgt Ion:167 Resp: 7096

Ion Ratio Lower Upper

167 100

166 22.5 17.8 26.6

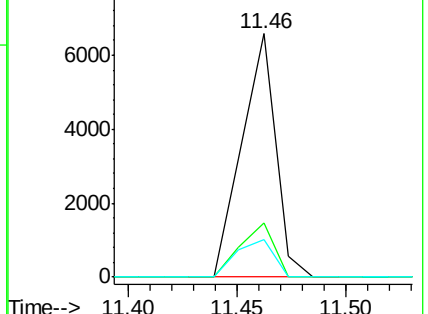
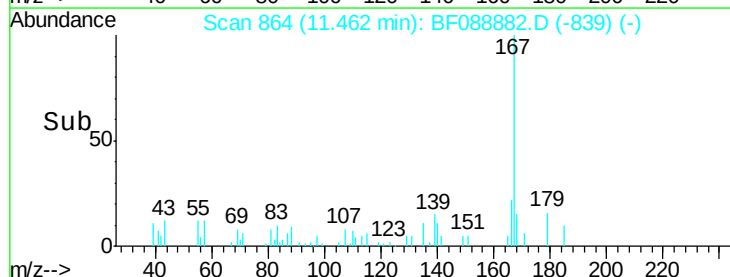
139 15.3 11.2 16.8

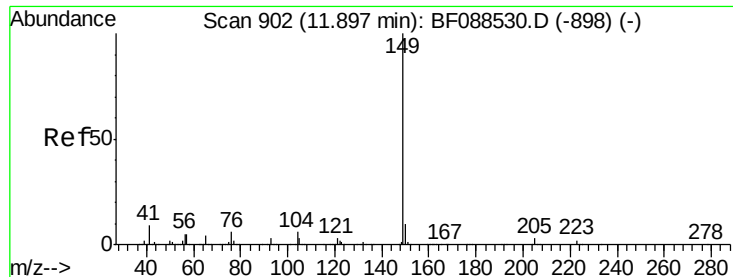


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.72 ng

RT: 11.80 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

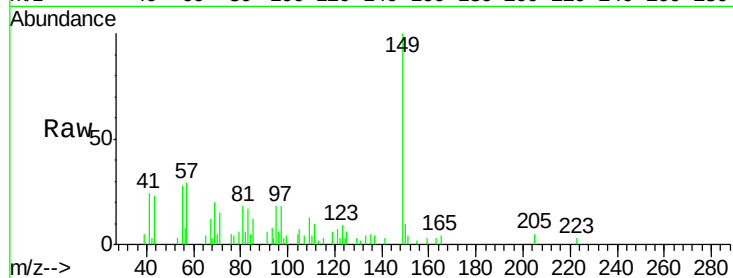
Tot Ion:149 Resp: 10751

Ion Ratio Lower Upper

149 100

150 10.3 7.8 11.6

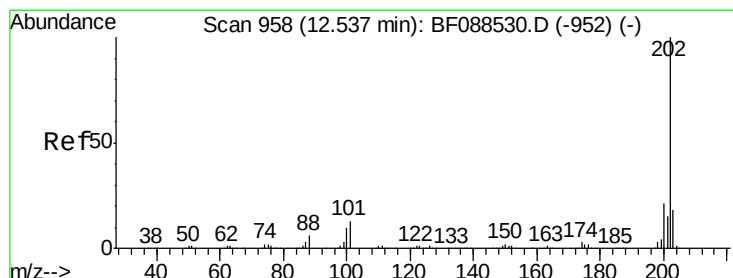
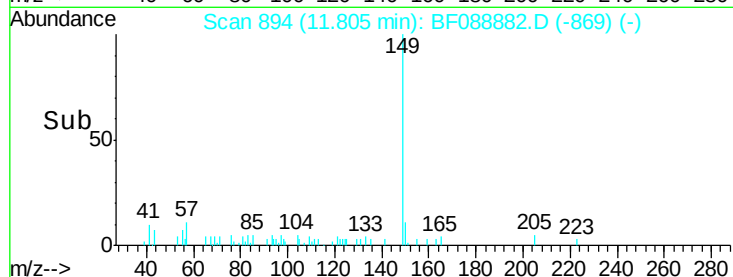
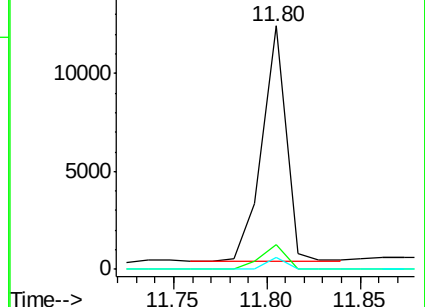
104 4.9 4.0 6.0



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: 0.52 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

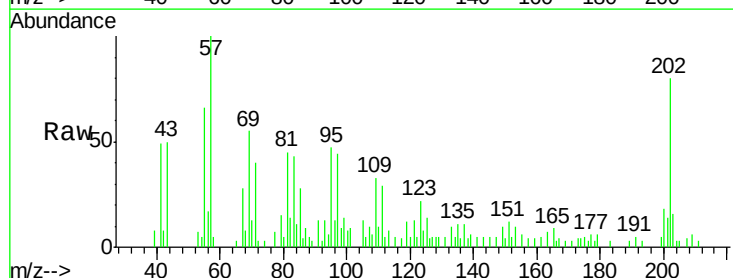
Tgt Ion:202 Resp: 7194

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.1

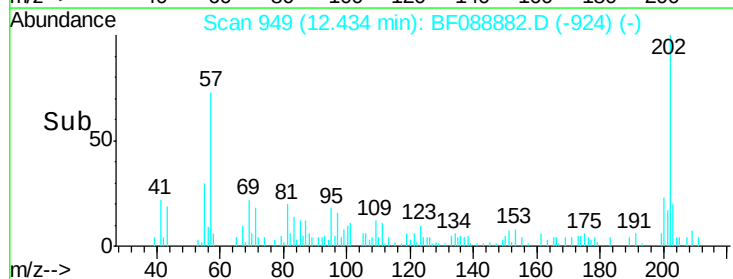
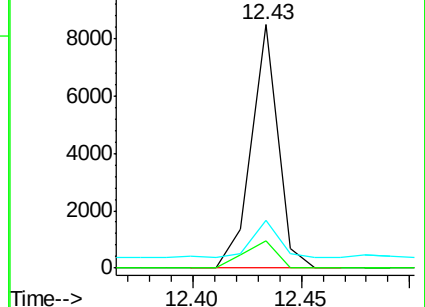
203 19.8 0.0 38.1

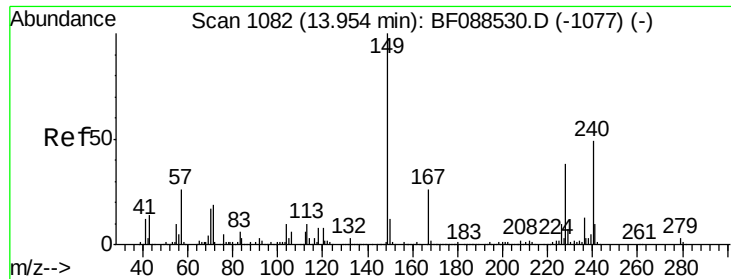


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.85 min Scan# 1073

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

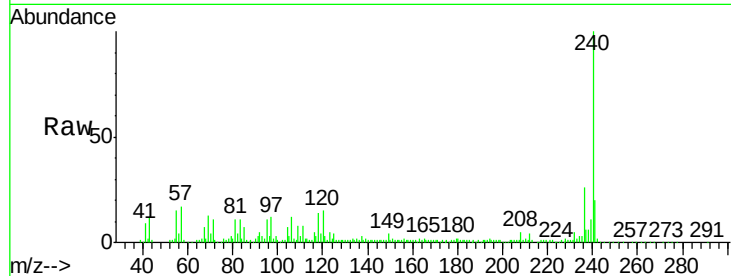
Tot Ion:240 Resp: 134784

Ion Ratio Lower Upper

240 100

120 15.2 6.8 10.2#

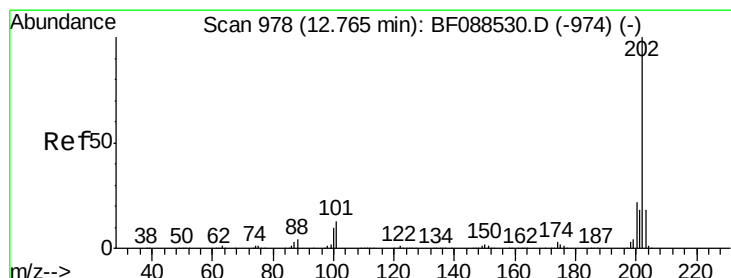
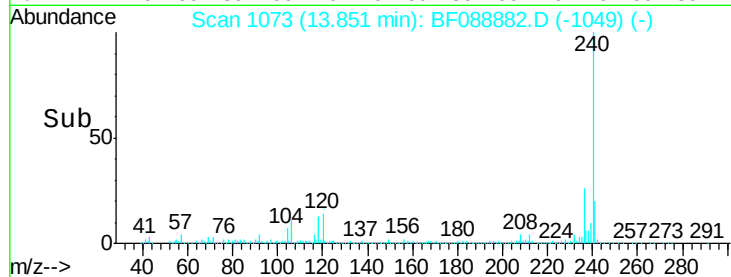
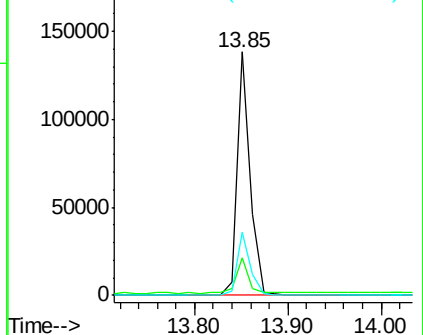
236 26.0 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 0.61 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

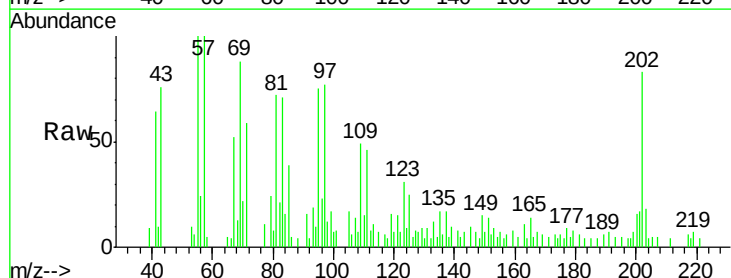
Tgt Ion:202 Resp: 6990

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

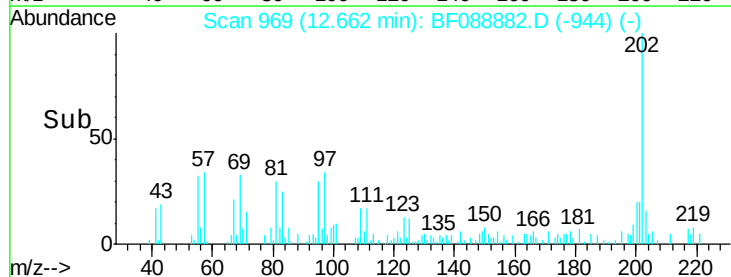
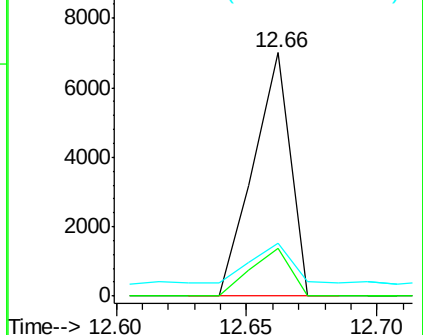
203 21.5 14.5 21.7

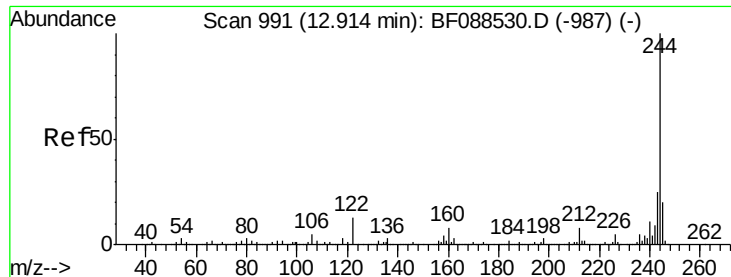


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 2.81 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

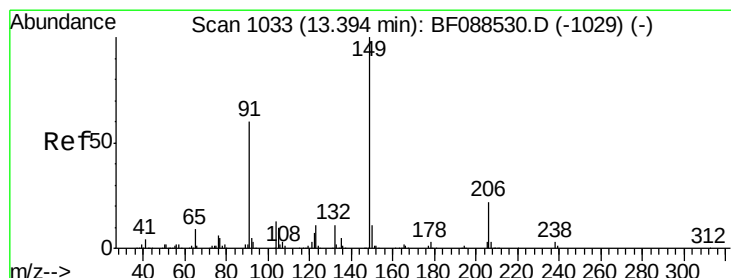
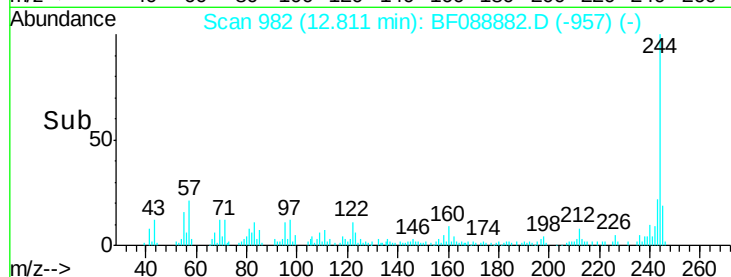
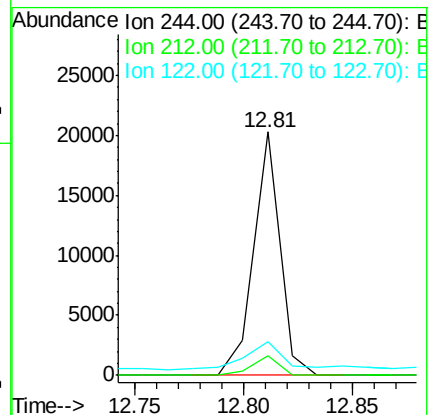
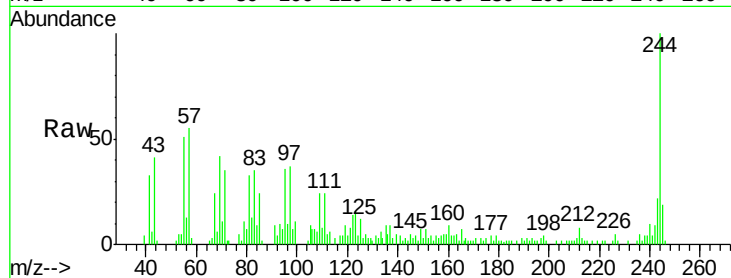
Tot Ion:244 Resp: 17013

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

122 13.7 11.2 16.8



#79

Butylbenzylphthalate

Concen: 0.58 ng

RT: 13.29 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

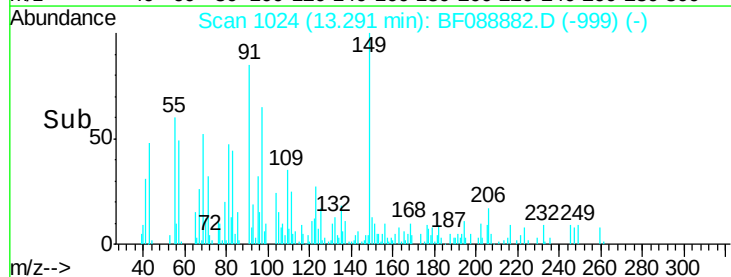
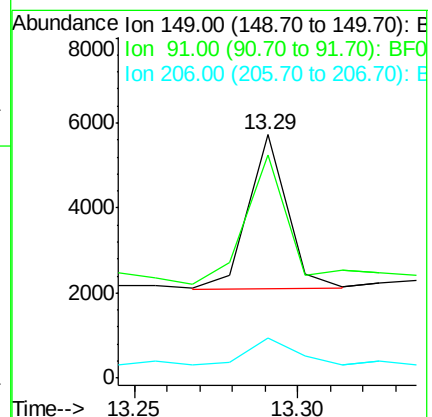
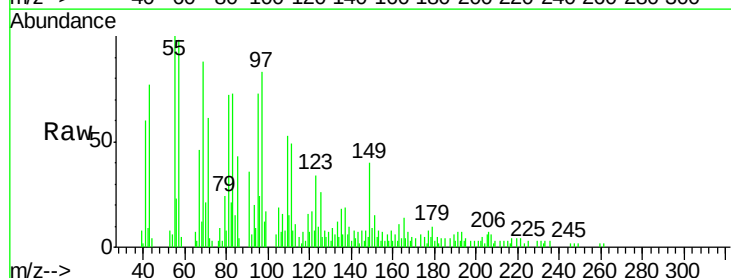
Tgt Ion:149 Resp: 2960

Ion Ratio Lower Upper

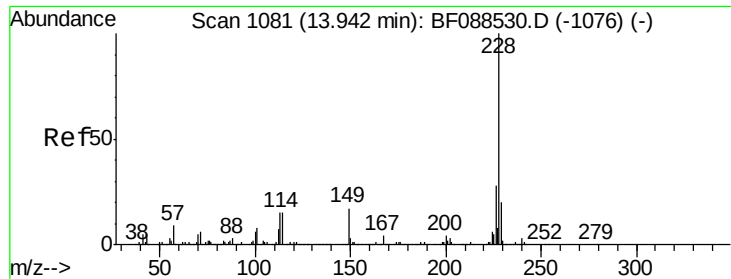
149 100

91 91.6 48.0 72.0#

206 16.5 16.0 24.0



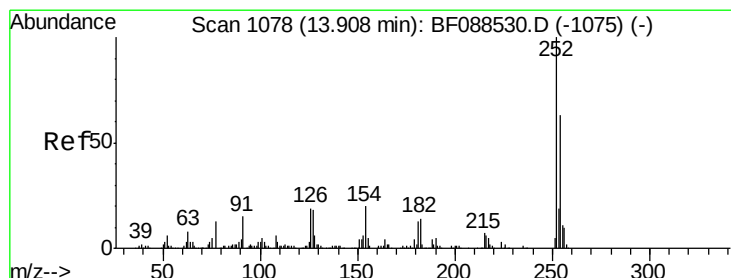
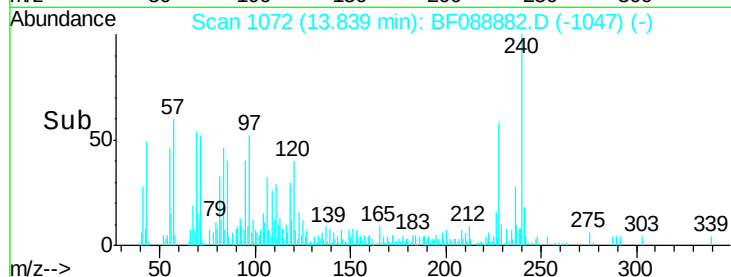
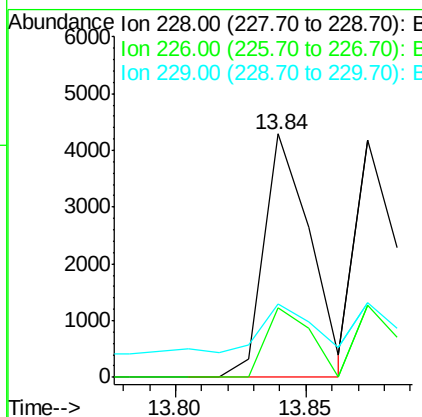
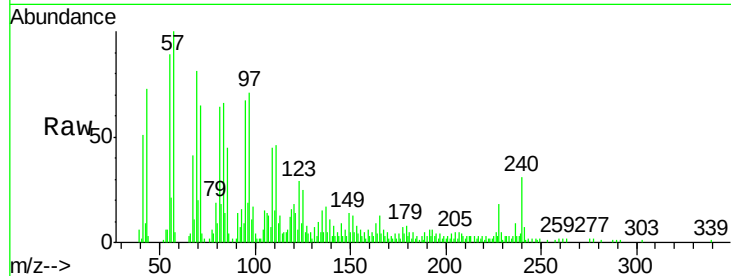




#80  
Benzo(a)anthracene  
Concen: 0.61 ng  
RT: 13.84 min Scan# 1072  
Delta R.T. -0.01 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

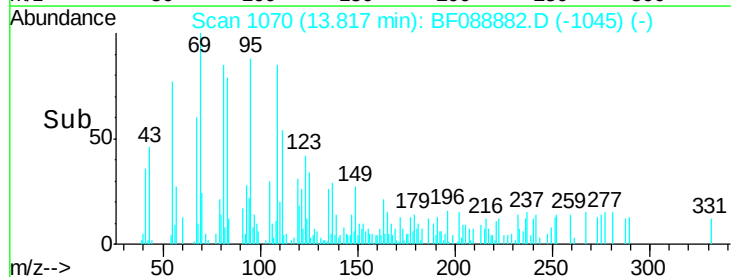
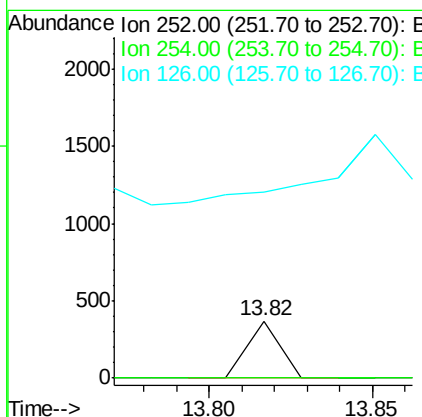
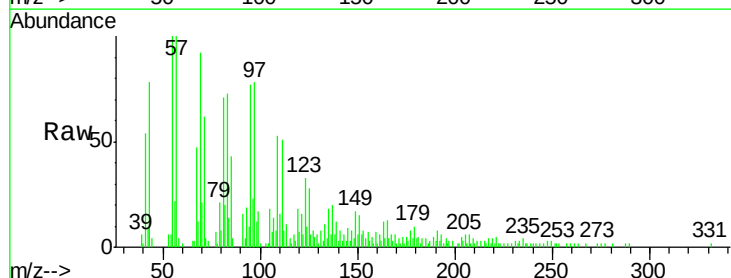
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS004-0006-01MSD

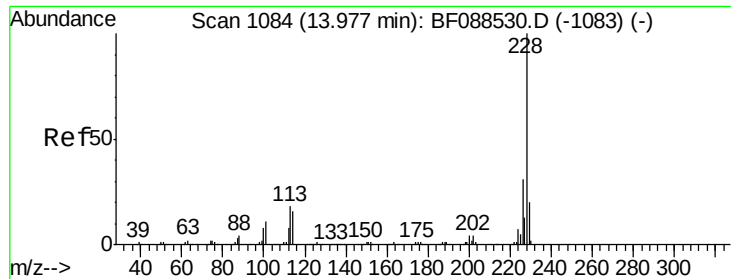
Tot Ion:228 Resp: 5251  
Ion Ratio Lower Upper  
228 100  
226 28.4 22.3 33.5  
229 30.2 16.0 24.0#



#81  
3,3'-Dichlorobenzidine  
Concen: 0.08 ng  
RT: 13.82 min Scan# 1070  
Delta R.T. -0.01 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

Tgt Ion:252 Resp: 254  
Ion Ratio Lower Upper  
252 100  
254 0.0 52.6 78.8#  
126 324.0 6.2 9.2#





#82

Chrvsene

Concen: 0.52 ng

RT: 13.87 min Scan# 1075

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

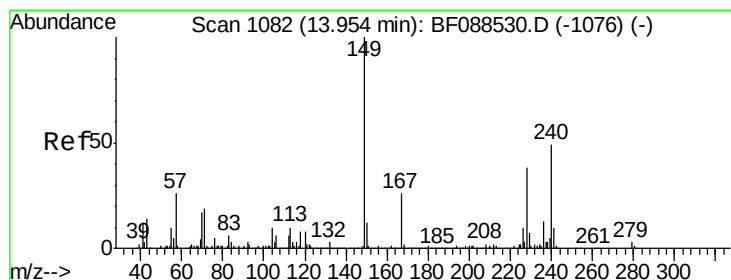
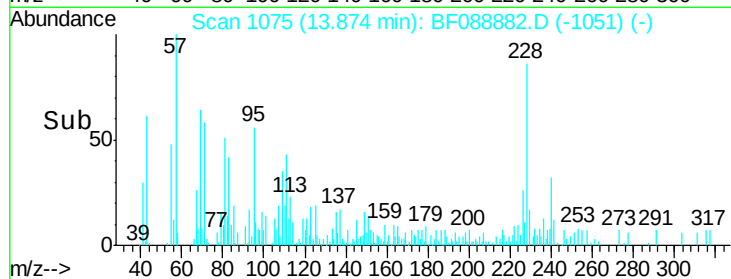
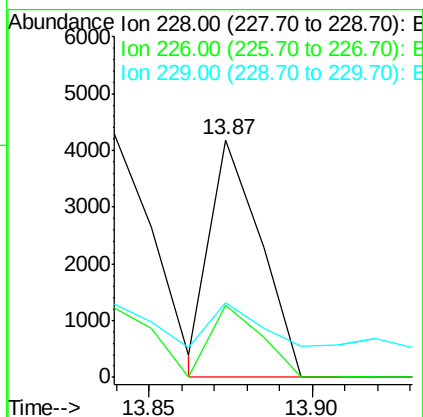
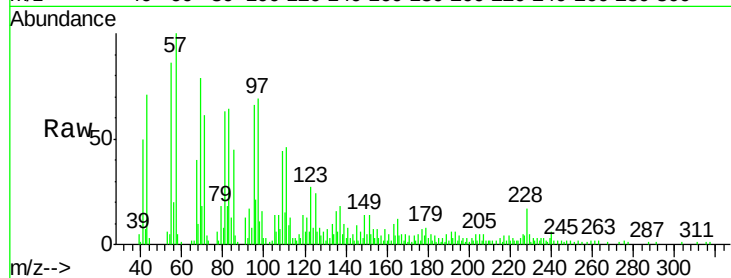
Tot Ion:228 Resp: 4431

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.2

229 31.3 16.3 24.5#



#83

Bis(2-ethylhexyl)phthalate

Concen: 1.05 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

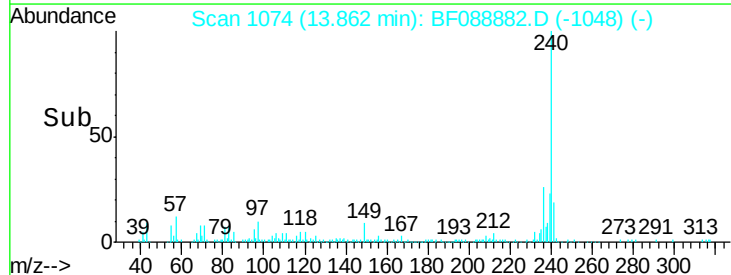
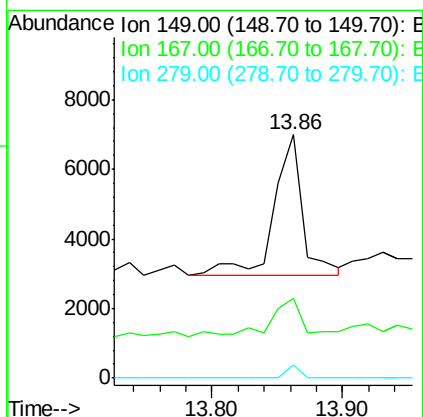
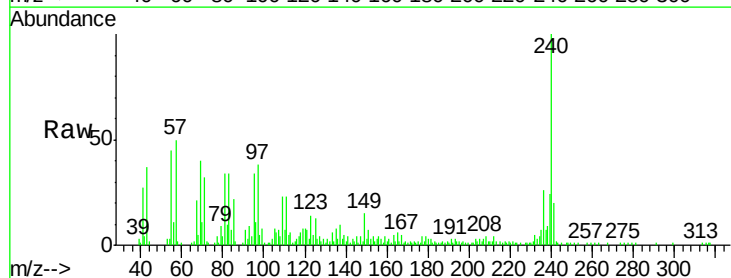
Tgt Ion:149 Resp: 6111

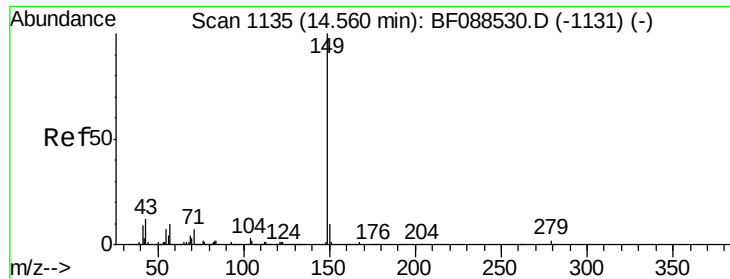
Ion Ratio Lower Upper

149 100

167 32.5 20.5 30.7#

279 5.3 2.0 3.0#





#84

Di-n-octyl phthalate

Concen: 0.67 ng

RT: 14.47 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

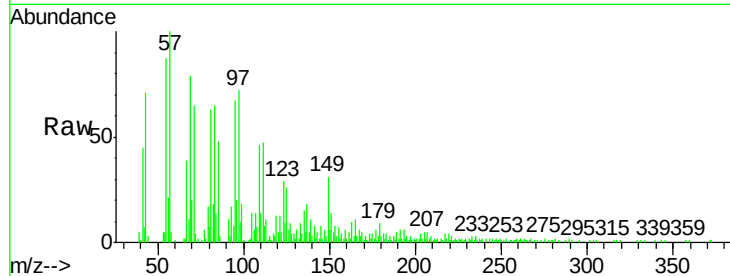
Tot Ion:149 Resp: 6613

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

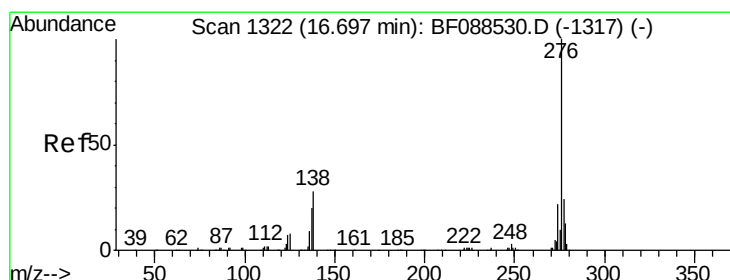
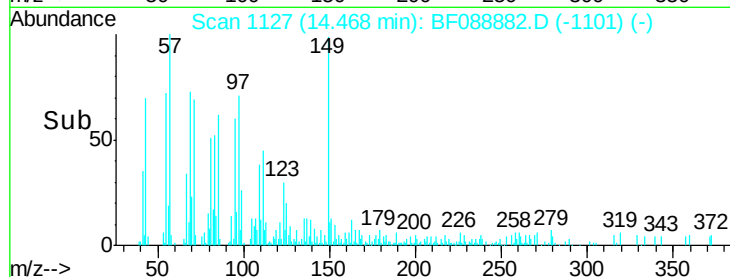
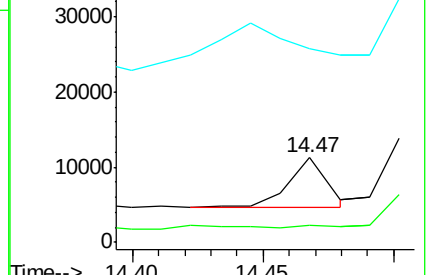
43 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.95 ng

RT: 16.54 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

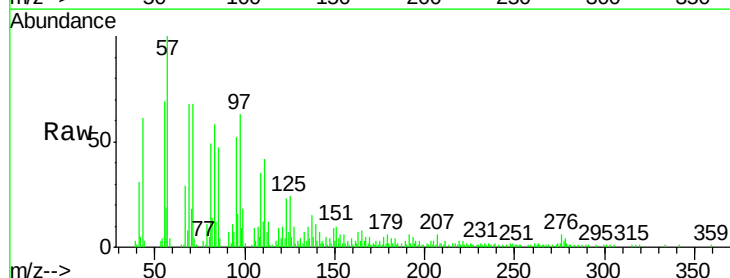
Tgt Ion:276 Resp: 6301

Ion Ratio Lower Upper

276 100

138 34.6 0.0 0.0#

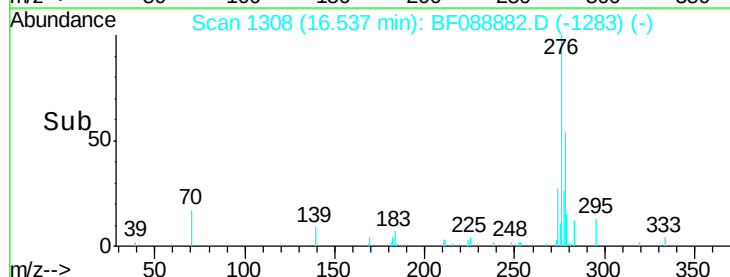
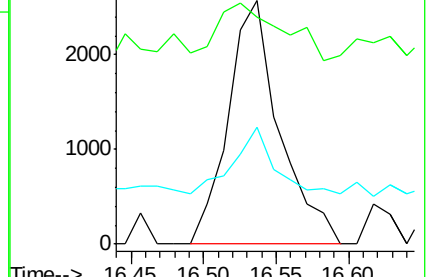
277 21.1 0.0 0.0#

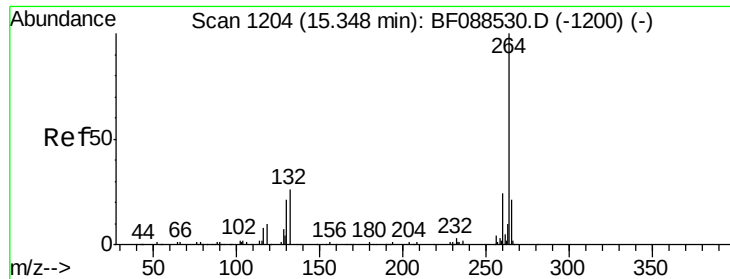


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

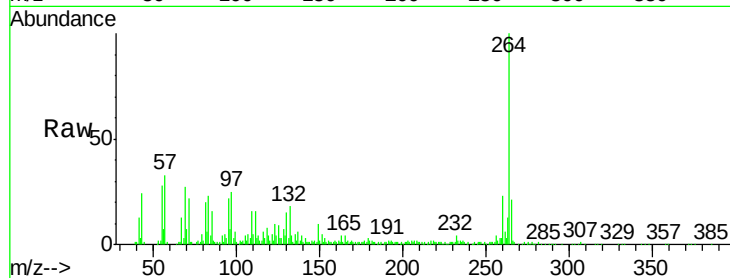




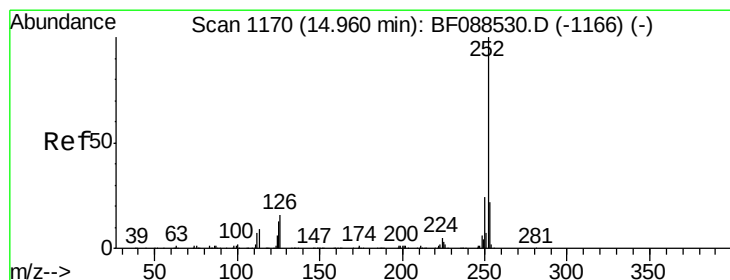
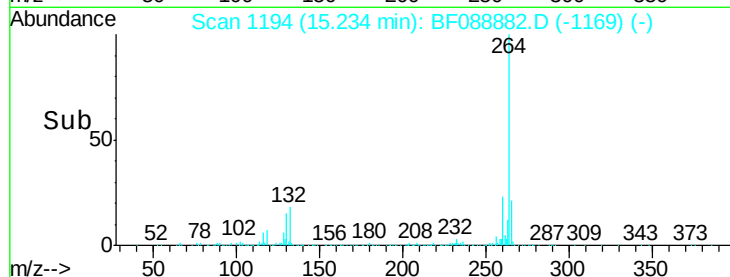
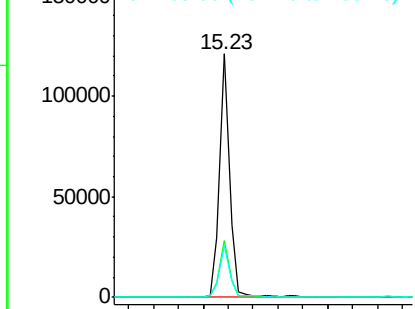
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.23 min Scan# 1194  
Delta R.T. -0.01 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS004-0006-01MSD

Tot Ion:264 Resp: 131890  
Ion Ratio Lower Upper  
264 100  
260 23.5 19.2 28.8  
265 21.4 16.9 25.3

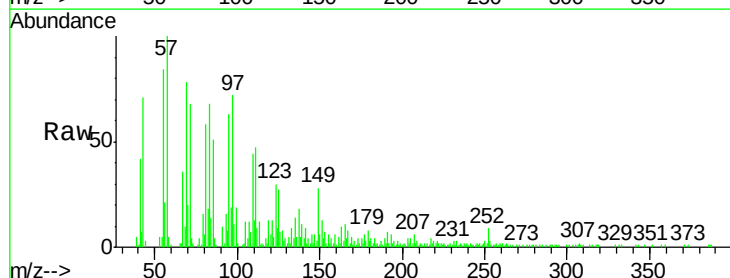


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

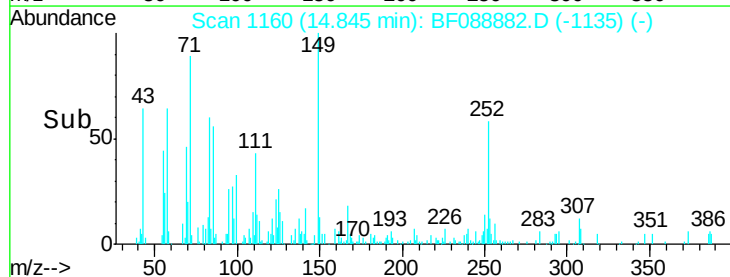
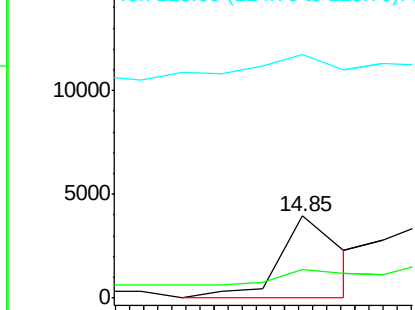


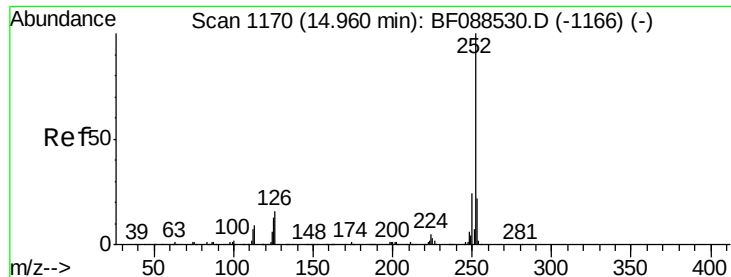
#87  
Benzo(b)fluoranthene  
Concen: 0.58 ng m  
RT: 14.85 min Scan# 1160  
Delta R.T. -0.01 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

Tgt Ion:252 Resp: 4838  
Ion Ratio Lower Upper  
252 100  
253 34.5 17.4 26.2#  
125 297.5 7.1 10.7#



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

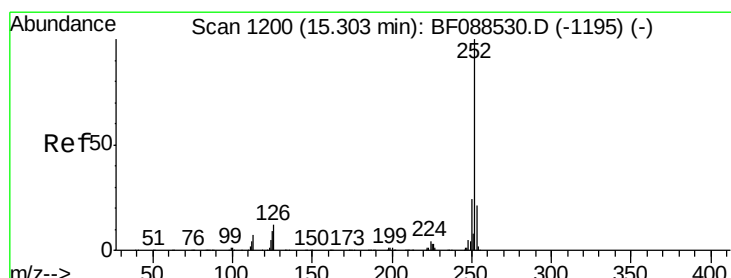
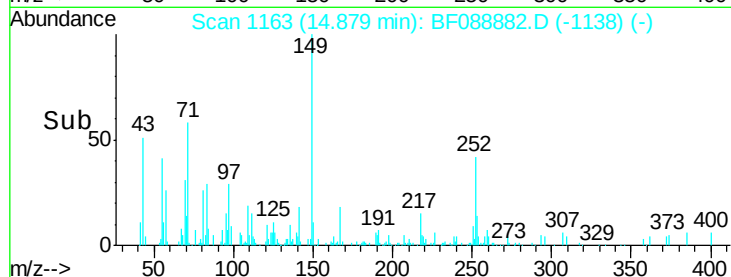
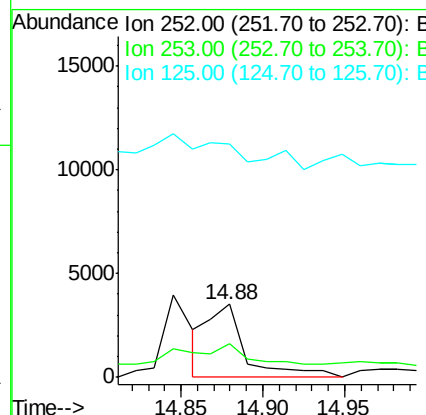
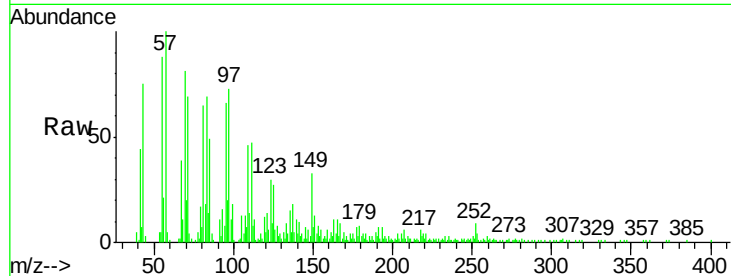




#88  
Benzo(k)fluoranthene  
Concen: 0.80 ng m  
RT: 14.88 min Scan# 1163  
Delta R.T. -0.01 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

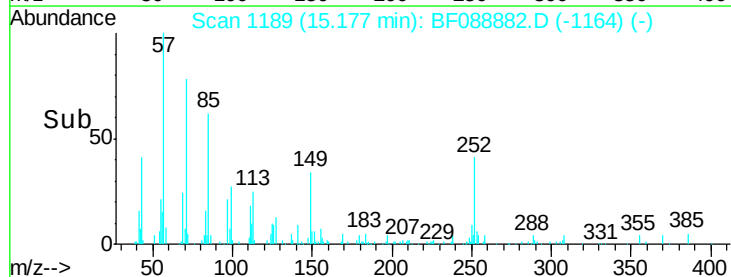
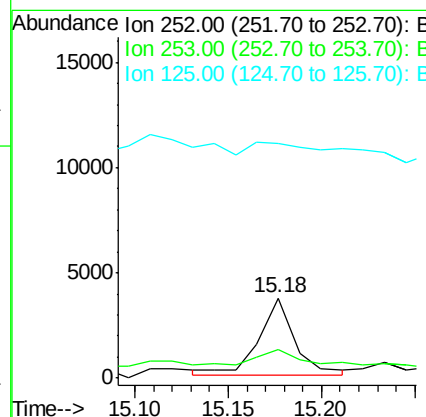
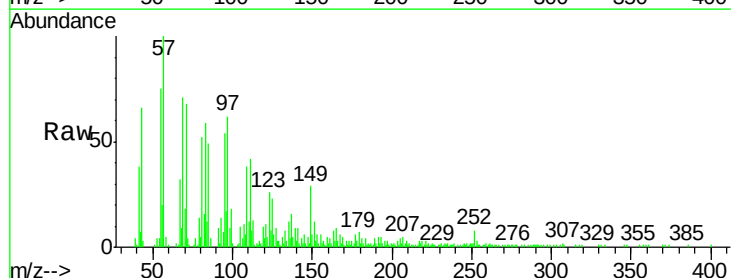
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS004-0006-01MSD

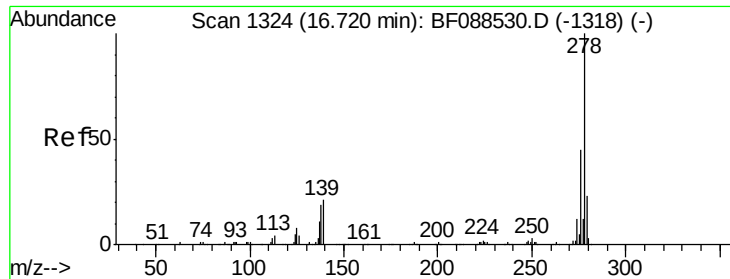
Tot Ion:252 Resp: 5789  
Ion Ratio Lower Upper  
252 100  
253 46.0 18.0 27.0#  
125 319.5 11.2 16.8#



#89  
Benzo(a)pyrene  
Concen: 0.70 ng  
RT: 15.18 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: BF088882.D  
Acq: 9 Jul 2016 20:32

Tgt Ion:252 Resp: 4922  
Ion Ratio Lower Upper  
252 100  
253 34.8 17.9 26.9#  
125 292.5 12.5 18.7#





#90

Dibenzo(a,h)anthracene

Concen: 1.13 ng

RT: 16.55 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

Instrument :

BNA\_F

ClientSampleId :

P001-SS004-0006-01MSD

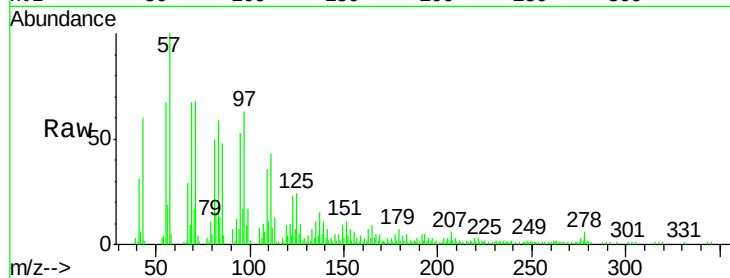
Tot Ion:278 Resp: 6630

Ion Ratio Lower Upper

278 100

139 205.4 15.7 23.5#

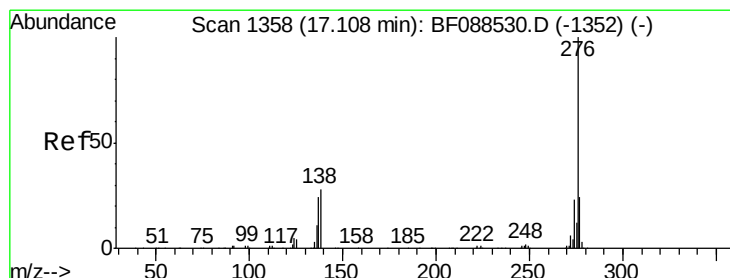
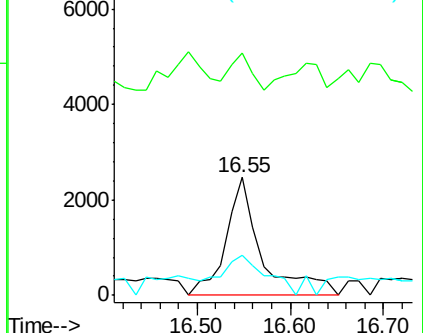
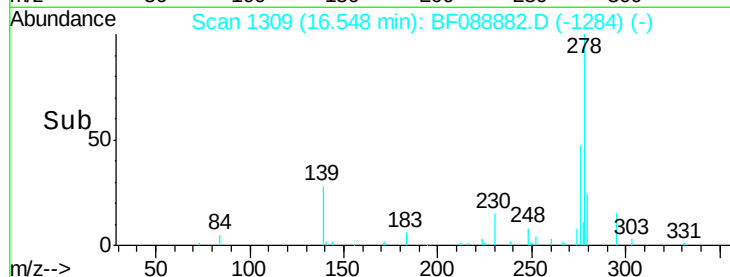
279 33.6 19.4 29.2#



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: 1.16 ng

RT: 16.91 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF088882.D

Acq: 9 Jul 2016 20:32

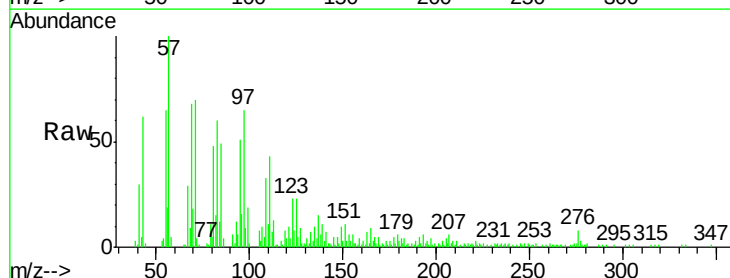
Tgt Ion:276 Resp: 7050

Ion Ratio Lower Upper

276 100

277 34.9 18.9 28.3#

138 77.3 21.4 32.2#



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

