

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\  
 Data File : BF088440.D  
 Acq On : 27 Jun 2016 6:30  
 Operator : UM/SJ  
 Sample : PB91573BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 27 08:15:11 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 27 04:27:12 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.71  | 152  | 249424   | 20.00 | ng    | -0.14    |
| 21) Naphthalene-d8        | 7.84  | 136  | 300376   | 20.00 | ng    | -0.29    |
| 38) Acenaphthene-d10      | 9.58  | 164  | 132744   | 20.00 | ng    | -0.31    |
| 63) Phenanthrene-d10      | 11.05 | 188  | 231521   | 20.00 | ng    | -0.31    |
| 75) Chrysene-d12          | 13.68 | 240  | 140922   | 20.00 | ng    | -0.31    |
| 86) Perylene-d12          | 15.03 | 264  | 132979   | 20.00 | ng    | -0.37    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.14  | 112  | 495709   | 33.98  | ng    | -0.29    |
| 7) Phenol-d6                | 6.23  | 99   | 600025   | 33.93  | ng    | -0.25    |
| 23) Nitrobenzene-d5         | 7.13  | 82   | 378773   | 73.63  | ng    | -0.29    |
| 41) 2,4,6-Tribromophenol    | 10.38 | 330  | 141369   | 100.86 | ng    | -0.30    |
| 44) 2-Fluorobiphenyl        | 8.91  | 172  | 667270   | 78.55  | ng    | -0.30    |
| 78) Terphenyl-d14           | 12.64 | 244  | 558716   | 90.22  | ng    | -0.31    |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 6) Aniline                     | 6.30 | 93   | 197154   | 7.83  | ng    | # 56   |
| 8) 2-Chlorophenol              | 6.34 | 128  | 213318   | 12.35 | ng    | 87     |
| 10) Phenol                     | 6.24 | 94   | 262225   | 12.57 | ng    | 97     |
| 11) bis(2-Chloroethyl)ether    | 6.30 | 93   | 197284   | 12.72 | ng    | 87     |
| 12) 1,3-Dichlorobenzene        | 6.72 | 146  | 207284   | 11.19 | ng    | 96     |
| 13) 1,4-Dichlorobenzene        | 6.72 | 146  | 212535   | 11.39 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 6.72 | 146  | 212537   | 12.52 | ng    | 96     |
| 15) Benzyl Alcohol             | 6.72 | 79   | 145614   | 10.53 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.84 | 45   | 195564   | 9.34  | ng    | # 1    |
| 17) 2-Methylphenol             | 7.00 | 107  | 209313   | 14.95 | ng    | # 77   |
| 19) n-Nitroso-di-n-propylamine | 6.98 | 70   | 130962   | 11.58 | ng    | 90     |
| 20) 3+4-Methylphenols          | 7.00 | 107  | 210120   | 12.86 | ng    | # 78   |
| 22) Acetophenone               | 6.97 | 105  | 280445   | 41.78 | ng    | # 96   |
| 24) Nitrobenzene               | 7.14 | 77   | 183978   | 36.92 | ng    | 87     |
| 25) Isophorone                 | 7.39 | 82   | 361940   | 37.99 | ng    | 94     |
| 26) 2-Nitrophenol              | 7.46 | 139  | 111087   | 41.62 | ng    | 90     |
| 27) 2,4-Dimethylphenol         | 7.52 | 122  | 176322   | 35.88 | ng    | 91     |
| 28) bis(2-Chloroethoxy)methane | 7.61 | 93   | 242562   | 41.05 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 7.71 | 162  | 172386   | 42.01 | ng    | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.78 | 180  | 174103   | 38.97 | ng    | 99     |
| 31) Naphthalene                | 7.86 | 128  | 620827   | 41.77 | ng    | 98     |
| 32) Benzoic acid               | 7.70 | 122  | 91358    | 33.76 | ng    | 95     |
| 33) 4-Chloroaniline            | 7.93 | 127  | 73827    | 11.12 | ng    | 95     |
| 34) Hexachlorobutadiene        | 7.98 | 225  | 95322    | 40.45 | ng    | 98     |
| 35) Caprolactam                | 8.31 | 113  | 35402    | 26.05 | ng    | # 81   |
| 36) 4-Chloro-3-methylphenol    | 8.43 | 107  | 173584   | 39.56 | ng    | 97     |
| 37) 2-Methylnaphthalene        | 8.65 | 142  | 372459   | 38.02 | ng    | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.72 | 216  | 169875   | 51.82 | ng    | # 1    |
| 40) Hexachlorocyclopentadiene  | 8.70 | 237  | 17395    | 8.12  | ng    | 99     |
| 42) 2,4,6-Trichlorophenol      | 8.84 | 196  | 105204   | 39.63 | ng    | 99     |
| 43) 2,4,5-Trichlorophenol      | 8.89 | 196  | 96233    | 34.84 | ng    | # 75   |
| 45) 1,1'-Biphenyl              | 9.02 | 154  | 485505   | 49.32 | ng    | 96     |
| 46) 2-Chloronaphthalene        | 9.04 | 162  | 370817   | 43.17 | ng    | 94     |
| 47) 2-Nitroaniline             | 9.15 | 65   | 101489   | 40.05 | ng    | # 66   |

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 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 27 08:15:11 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 27 04:27:12 2016  
 Response via : Initial Calibration

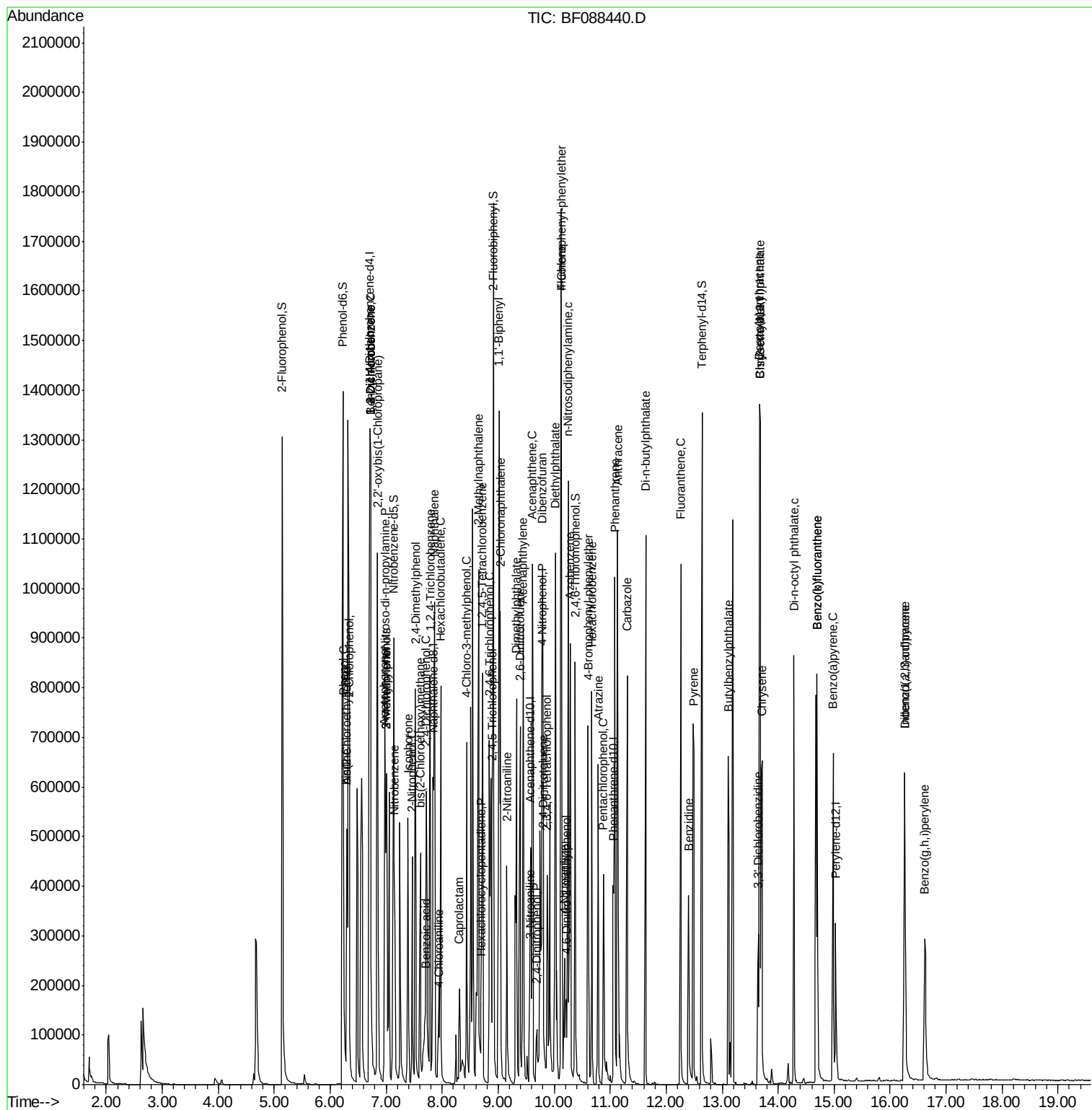
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 48) Acenaphthylene             | 9.44  | 152  | 545977   | 39.96  | nq    | 99       |
| 49) Dimethylphthalate          | 9.32  | 163  | 412201   | 42.87  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.39  | 165  | 96524    | 43.83  | nq    | # 80     |
| 51) Acenaphthene               | 9.61  | 154  | 314921   | 36.95  | nq    | 98       |
| 52) 3-Nitroaniline             | 9.56  | 138  | 45166    | 17.77  | nq    | 83       |
| 53) 2,4-Dinitrophenol          | 9.69  | 184  | 34744    | 34.72  | nq    | # 85     |
| 54) Dibenzofuran               | 9.79  | 168  | 471378   | 40.16  | nq    | 95       |
| 55) 4-Nitrophenol              | 9.78  | 139  | 280817   | 142.38 | nq    | # 16     |
| 56) 2,4-Dinitrotoluene         | 9.80  | 165  | 116457   | 41.15  | nq    | 98       |
| 57) Fluorene                   | 10.12 | 166  | 335802   | 42.01  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.87  | 232  | 67507    | 31.10  | nq    | # 59     |
| 59) Diethylphthalate           | 10.02 | 149  | 420607   | 43.21  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.12 | 204  | 161536   | 41.38  | nq    | 99       |
| 61) 4-Nitroaniline             | 10.18 | 138  | 76936    | 31.92  | nq    | 94       |
| 62) Azobenzene                 | 10.28 | 77   | 406359   | 42.22  | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 10.22 | 198  | 36827    | 26.49  | nq    | # 67     |
| 65) n-Nitrosodiphenylamine     | 10.25 | 169  | 345796   | 45.01  | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.60 | 248  | 97662    | 39.32  | nq    | # 74     |
| 67) Hexachlorobenzene          | 10.67 | 284  | 103249   | 40.01  | nq    | 93       |
| 68) Atrazine                   | 10.79 | 200  | 107985   | 46.42  | nq    | 95       |
| 69) Pentachlorophenol          | 10.88 | 266  | 75100    | 55.21  | nq    | 97       |
| 70) Phenanthrene               | 11.08 | 178  | 511293   | 42.09  | nq    | 98       |
| 71) Anthracene                 | 11.13 | 178  | 505114   | 41.22  | nq    | 99       |
| 72) Carbazole                  | 11.30 | 167  | 506136   | 44.14  | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.63 | 149  | 657555   | 45.30  | nq    | 98       |
| 74) Fluoranthene               | 12.26 | 202  | 479472   | 37.40  | nq    | 97       |
| 76) Benzidine                  | 12.40 | 184  | 221372   | 56.73  | nq    | 98       |
| 77) Pvrene                     | 12.49 | 202  | 449417   | 42.98  | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.11 | 149  | 227739   | 49.26  | nq    | # 78     |
| 80) Benzo(a)anthracene         | 13.67 | 228  | 339322   | 42.25  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.65 | 252  | 99176    | 45.92  | nq    | 98       |
| 82) Chrysene                   | 13.71 | 228  | 377272   | 49.94  | nq    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 13.68 | 149  | 298624   | 53.06  | nq    | # 96     |
| 84) Di-n-octyl phthalate       | 14.29 | 149  | 536714   | 58.69  | nq    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 16.26 | 276  | 292105   | 41.61  | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 14.70 | 252  | 679976   | 73.36  | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 14.70 | 252  | 681121   | 97.42  | nq    | 98       |
| 89) Benzo(a)pyrene             | 14.98 | 252  | 322147   | 42.96  | nq    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 16.26 | 278  | 252511   | 36.26  | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 16.62 | 276  | 239420   | 33.42  | nq    | 98       |

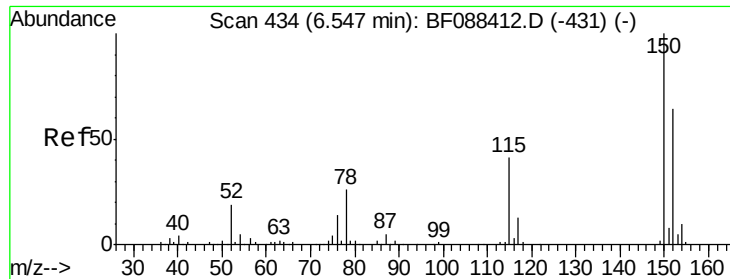
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc      :
ALS Vial  : 28    Sample Multiplier: 1
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.14 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

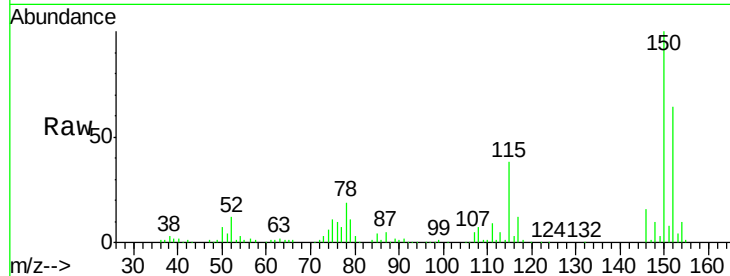
Tot Ion:152 Resp: 249424

Ion Ratio Lower Upper

152 100

150 155.9 123.8 185.6

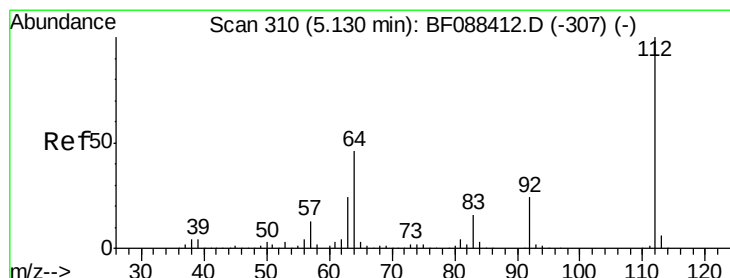
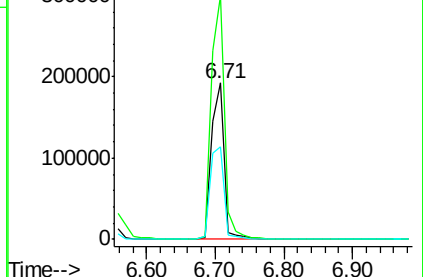
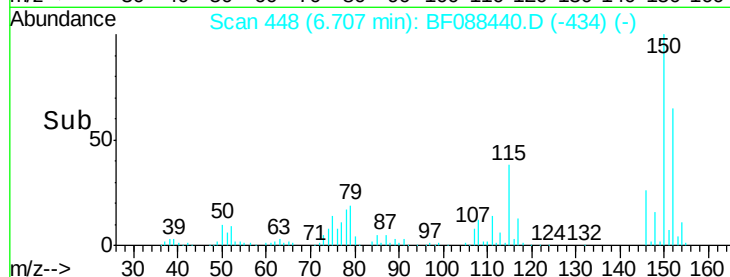
115 59.2 39.6 59.4



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



#5

2-Fluorophenol

Concen: 33.98 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

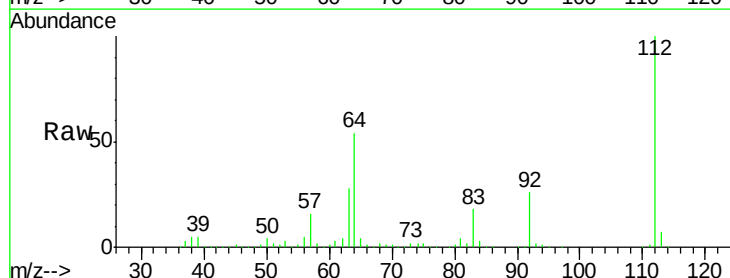
Tgt Ion:112 Resp: 495709

Ion Ratio Lower Upper

112 100

64 54.4 42.2 63.2

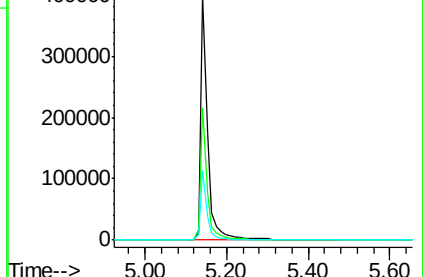
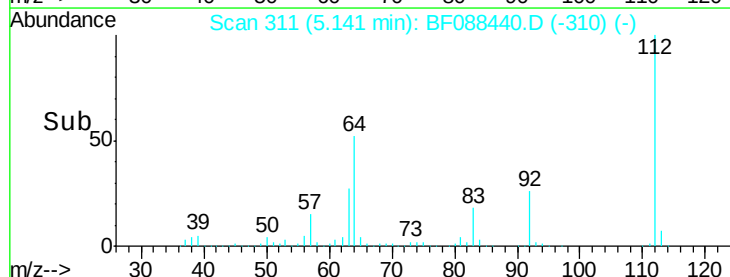
63 28.4 21.8 32.8

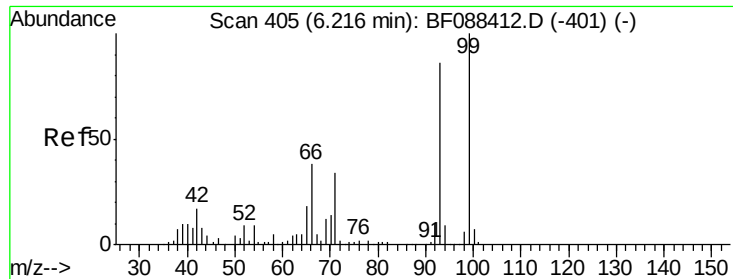


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 7.83 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.21 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampled :

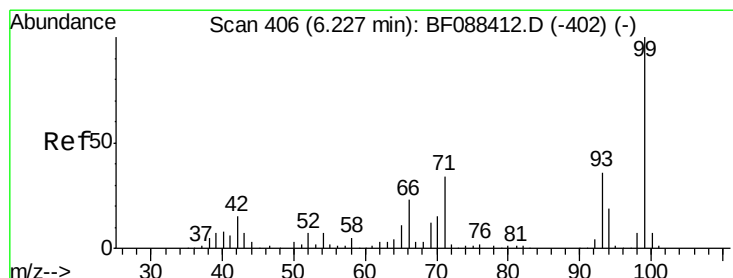
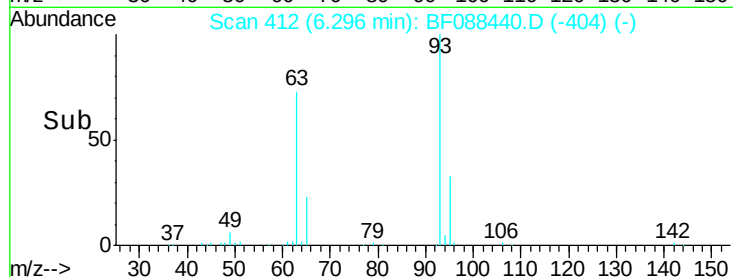
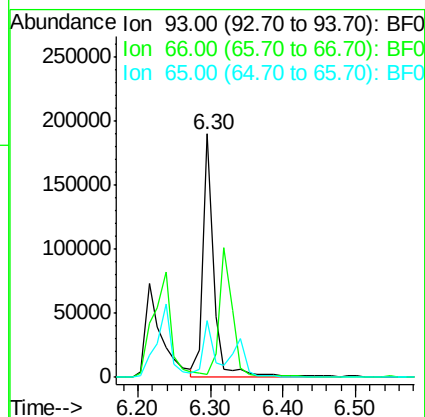
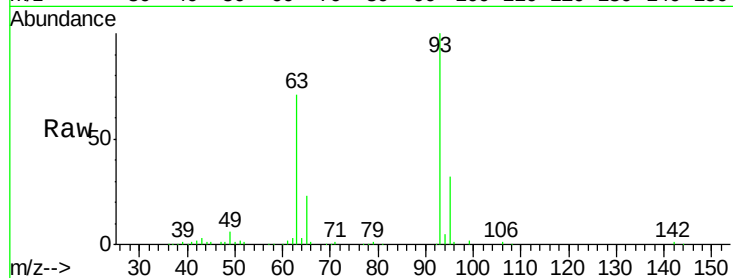
Tot Ion: 93 Resp: 197154

Ion Ratio Lower Upper

93 100

66 1.4 29.8 44.8#

65 23.4 14.9 22.3#



#7

Phenol-d6

Concen: 33.93 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.25 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

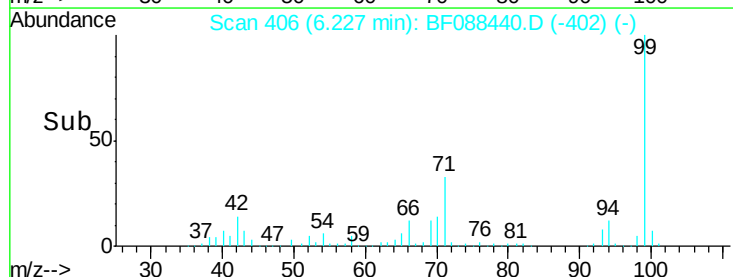
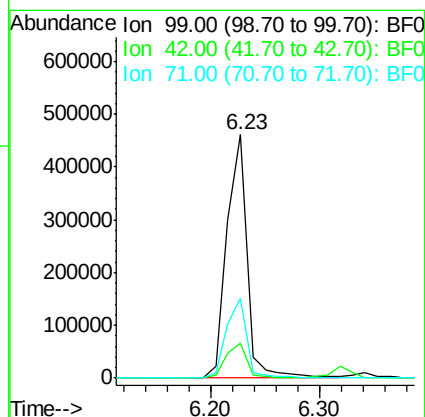
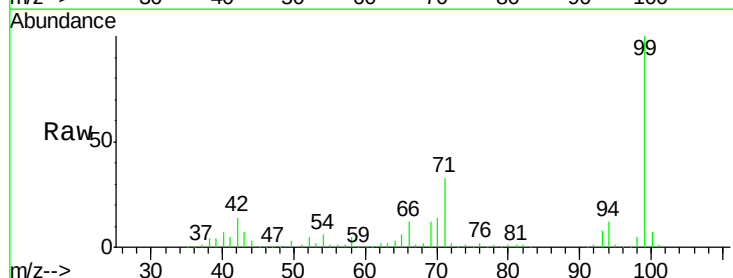
Tgt Ion: 99 Resp: 600025

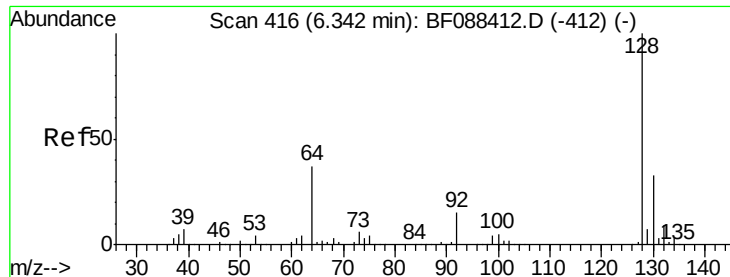
Ion Ratio Lower Upper

99 100

42 14.1 12.2 18.2

71 33.0 23.4 35.0





#8

2-Chlorophenol

Concen: 12.35 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampled :

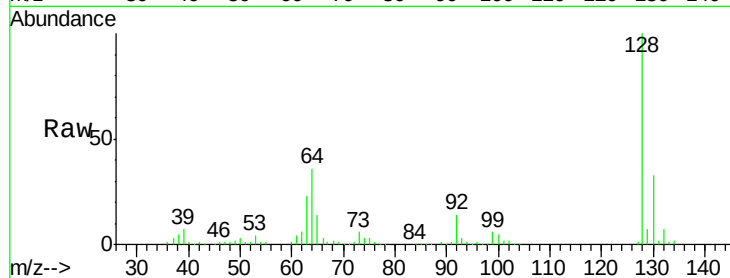
Tot Ion:128 Resp: 213318

Ion Ratio Lower Upper

128 100

130 32.8 12.0 52.0

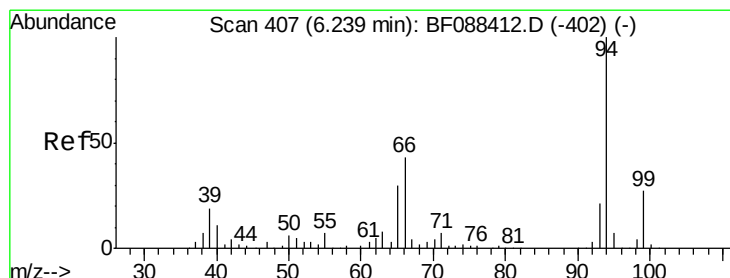
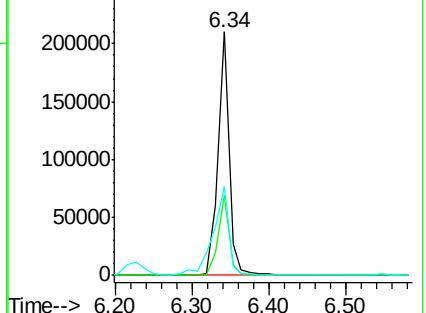
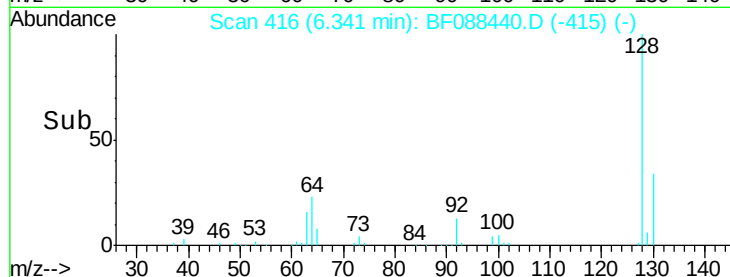
64 36.5 30.8 70.8



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



#10

Phenol

Concen: 12.57 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.25 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

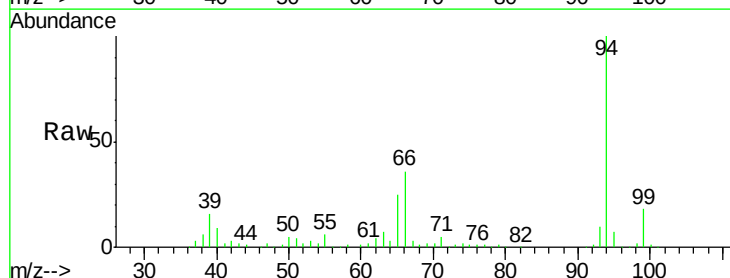
Tgt Ion: 94 Resp: 262225

Ion Ratio Lower Upper

94 100

65 25.3 5.9 45.9

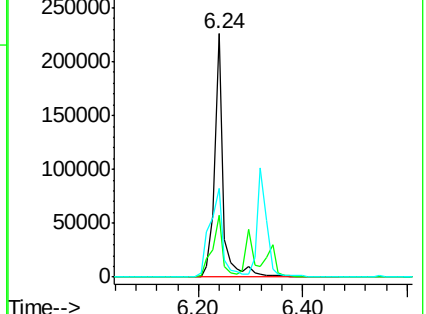
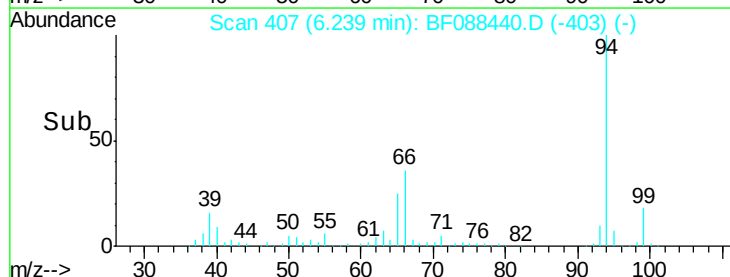
66 36.5 14.0 54.0

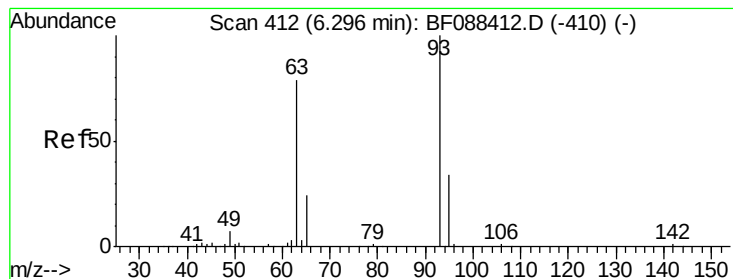


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

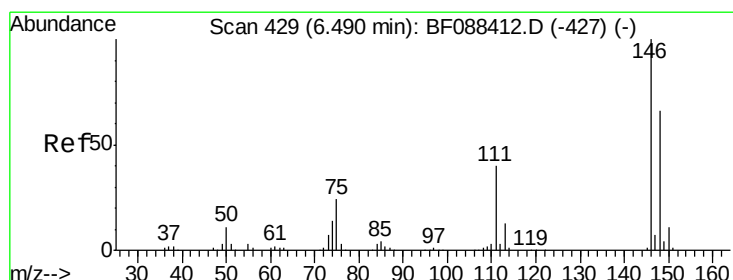
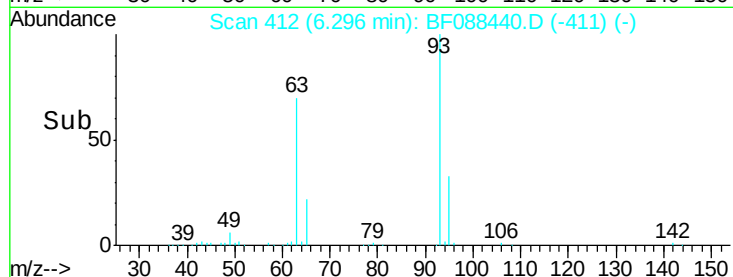
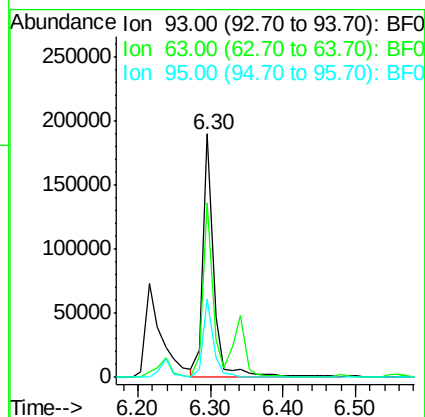
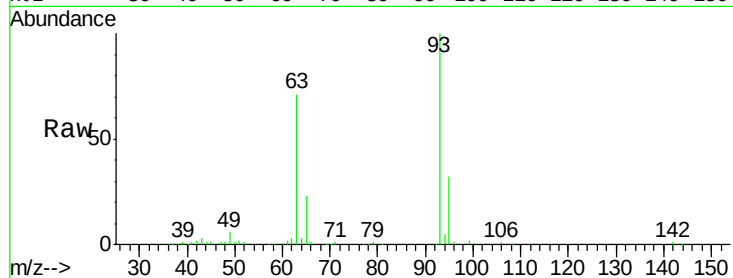




#11  
bis(2-Chloroethyl)ether  
Concen: 12.72 ng  
RT: 6.30 min Scan# 412  
Delta R.T. -0.29 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

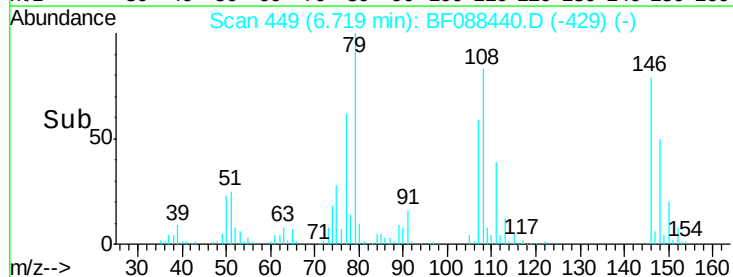
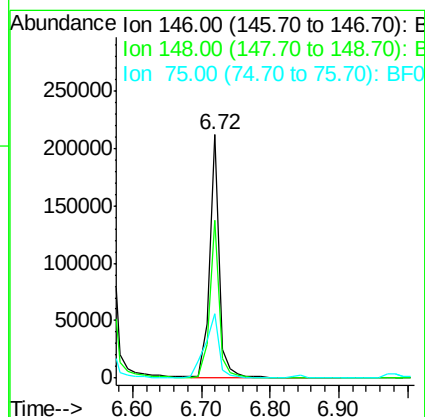
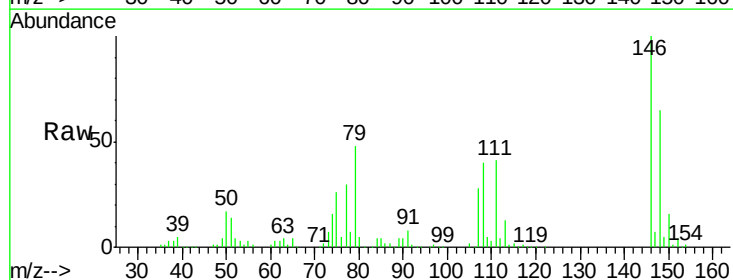
Instrument :  
BNA\_G  
ClientSampleId :

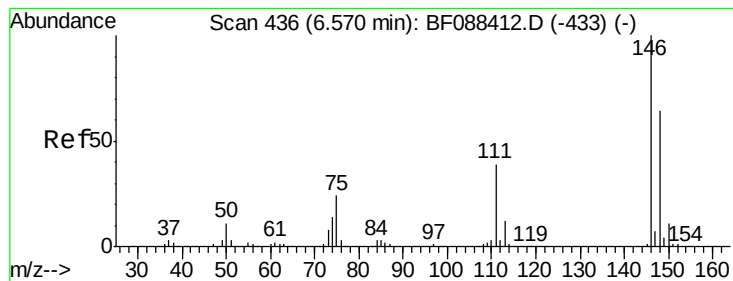
Tot Ion: 93 Resp: 197284  
Ion Ratio Lower Upper  
93 100  
63 71.4 67.6 107.6  
95 32.2 12.5 52.5



#12  
1,3-Dichlorobenzene  
Concen: 11.19 ng  
RT: 6.72 min Scan# 449  
Delta R.T. -0.07 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion: 146 Resp: 207284  
Ion Ratio Lower Upper  
146 100  
148 64.8 50.9 76.3  
75 26.4 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 11.39 ng

RT: 6.72 min Scan# 449

Delta R.T. -0.14 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

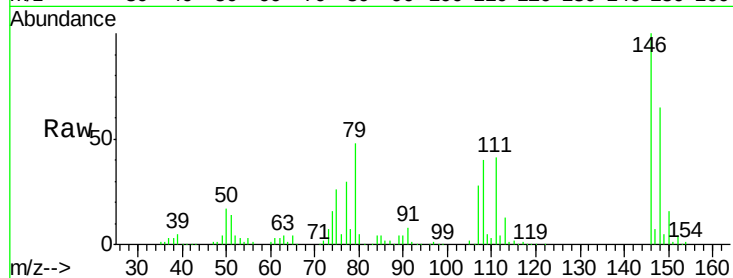
Tot Ion:146 Resp: 212535

Ion Ratio Lower Upper

146 100

148 64.8 52.0 78.0

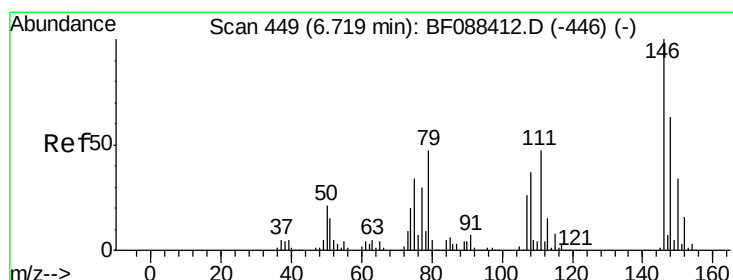
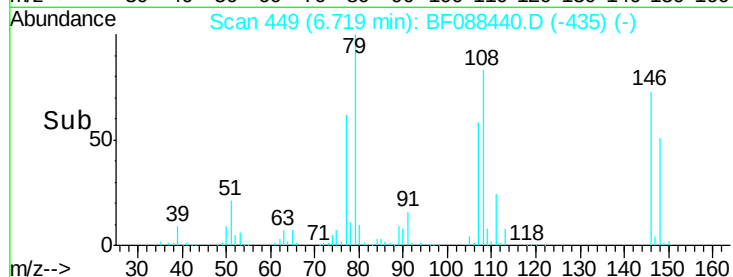
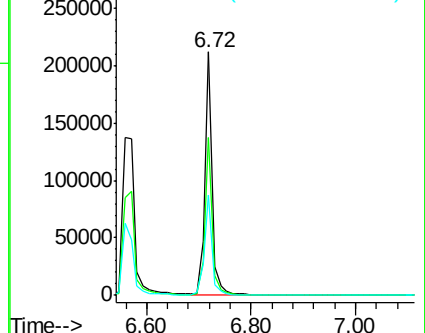
111 41.4 33.8 50.8



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: 12.52 ng

RT: 6.72 min Scan# 449

Delta R.T. -0.30 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

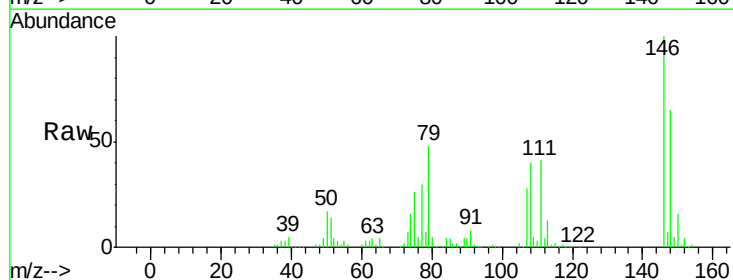
Tgt Ion:146 Resp: 212537

Ion Ratio Lower Upper

146 100

148 64.8 52.3 78.5

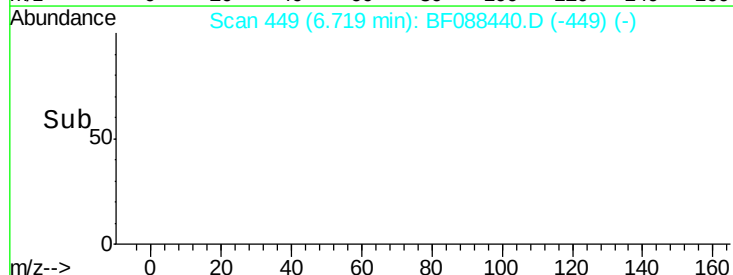
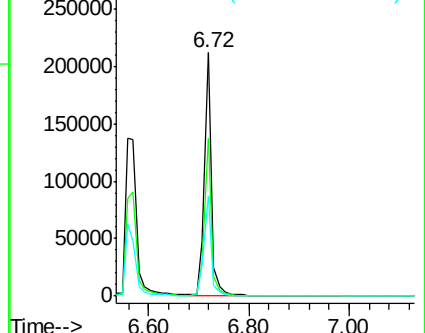
111 41.4 28.7 43.1



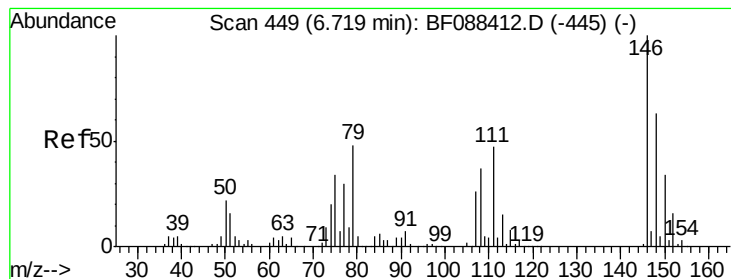
Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E







#15

Benzyl Alcohol

Concen: 10.53 ng

RT: 6.72 min Scan# 449

Delta R.T. -0.27 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampled :

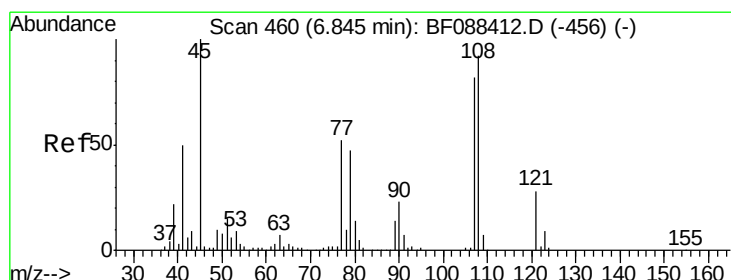
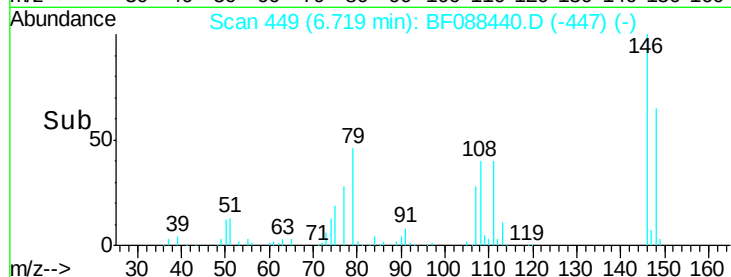
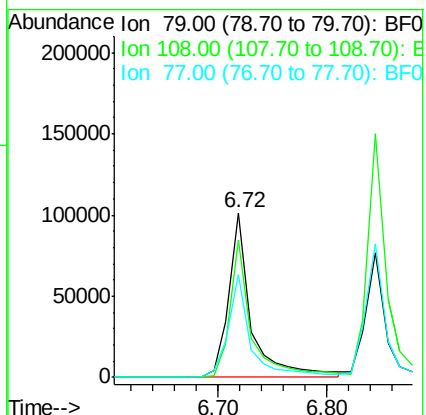
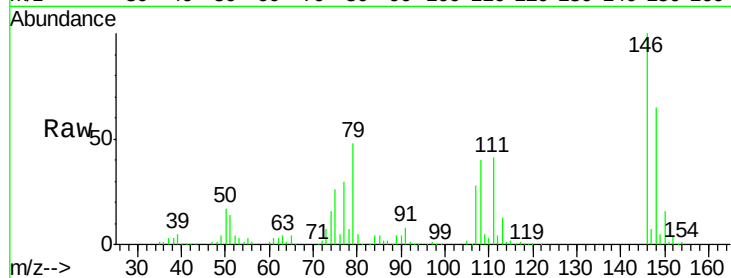
Tot Ion: 79 Resp: 145614

Ion Ratio Lower Upper

79 100

108 83.7 65.0 97.6

77 62.4 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.34 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

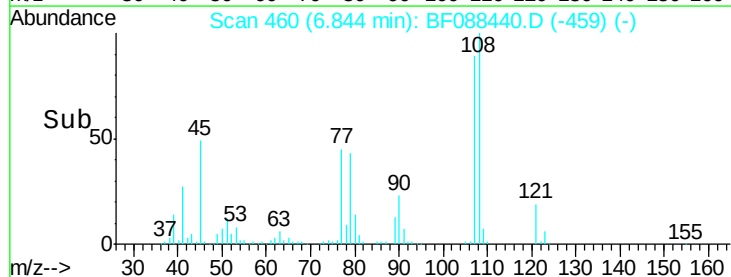
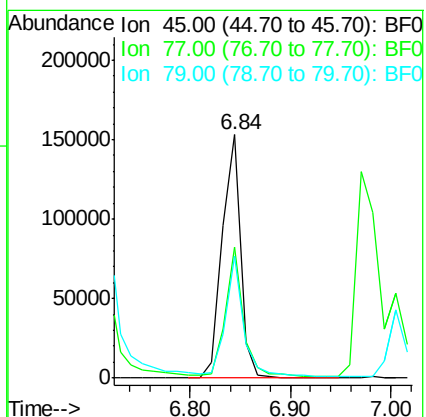
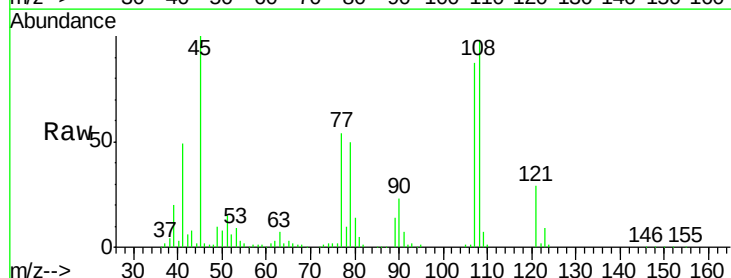
Tgt Ion: 45 Resp: 195564

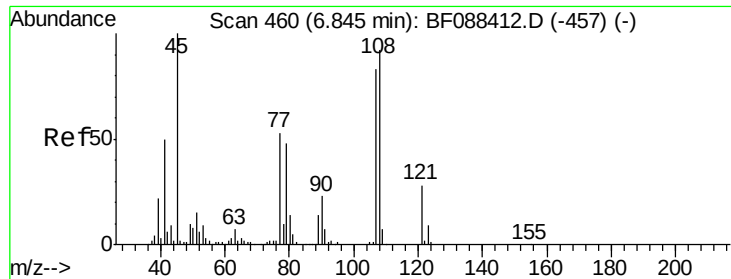
Ion Ratio Lower Upper

45 100

77 53.8 0.0 32.5#

79 50.3 0.0 29.5#





#17

2-Methylphenol

Concen: 14.95 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.10 min

Lab File: BF088440.D

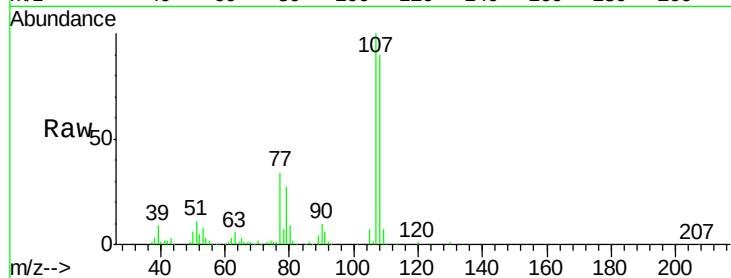
Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 209313 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.0  | 90.9  | 136.3# |
| 77       | 33.6  | 36.6  | 55.0#  |
| 79       | 26.8  | 36.5  | 54.7#  |



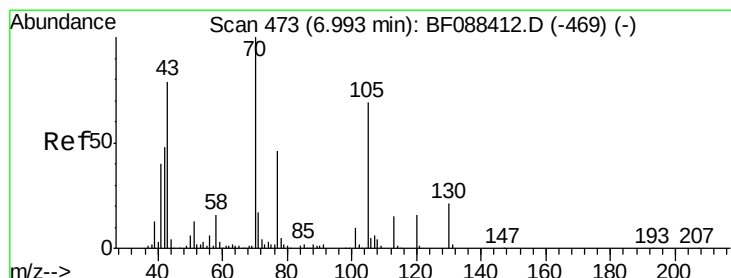
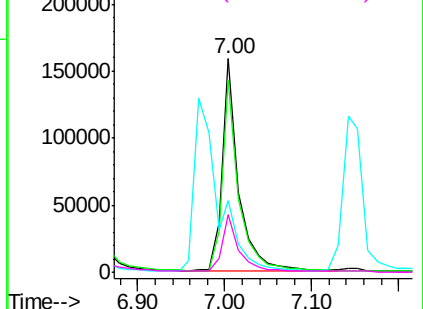
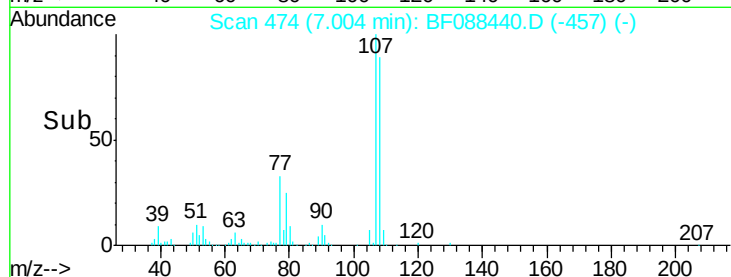
Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 11.58 ng

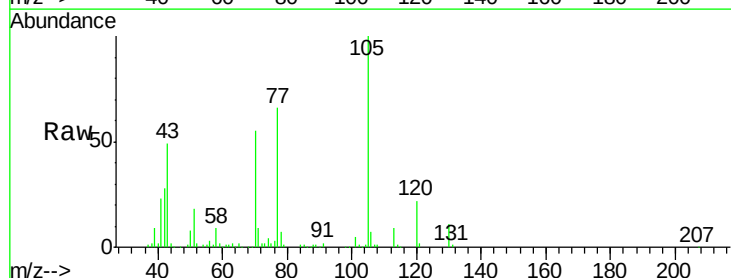
RT: 6.98 min Scan# 472

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 130962 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 50.9  | 49.6  | 74.4   |
| 101      | 9.3   | 7.1   | 10.7   |
| 130      | 20.3  | 15.4  | 23.2   |



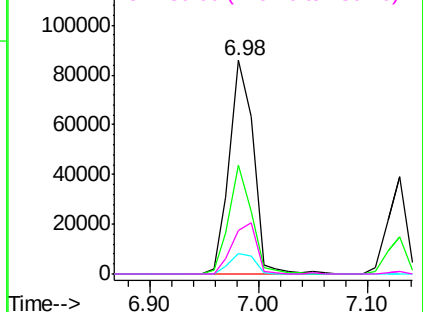
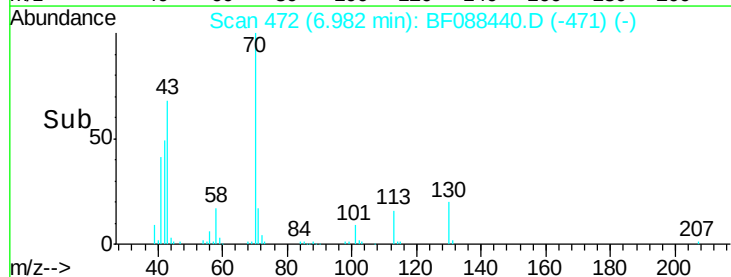
Abundance

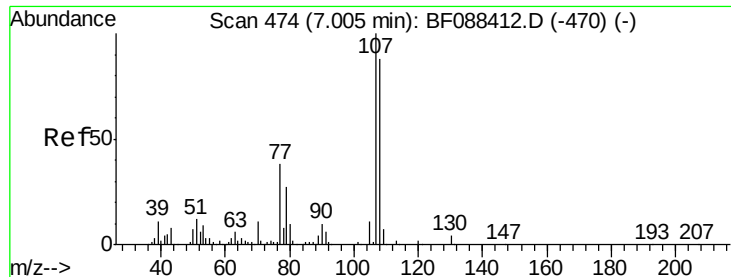
Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 12.86 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.25 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampled :

Tot Ion:107 Resp: 210120

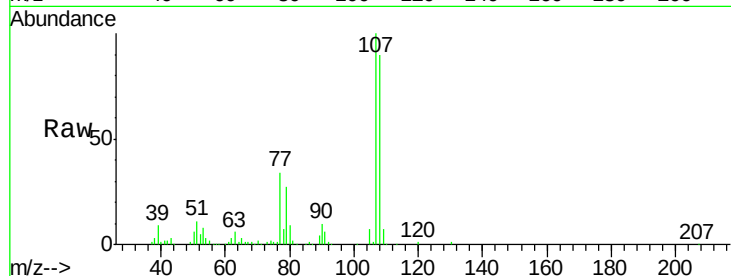
Ion Ratio Lower Upper

107 100

108 90.0 67.8 107.8

77 33.6 59.3 99.3#

79 26.8 7.0 47.0

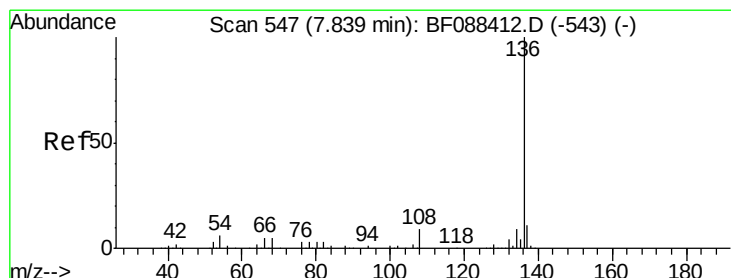
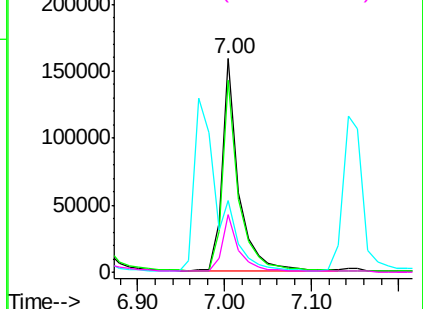
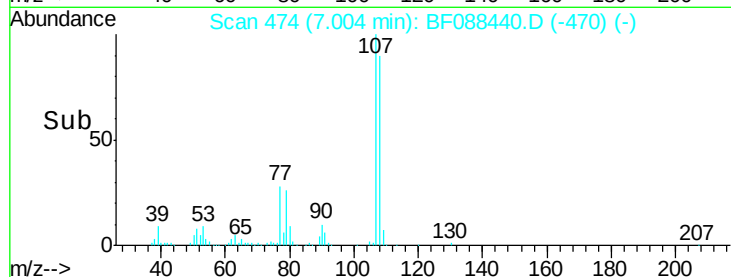


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Tgt Ion:136 Resp: 300376

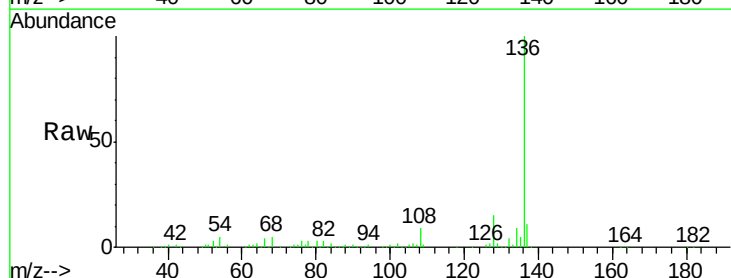
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.5 6.6 10.0#

68 4.6 5.1 7.7#

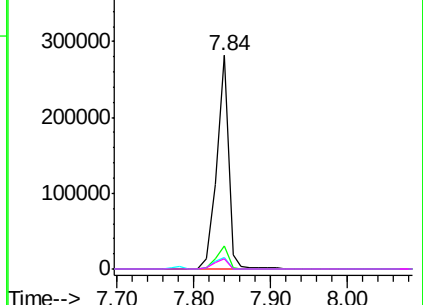
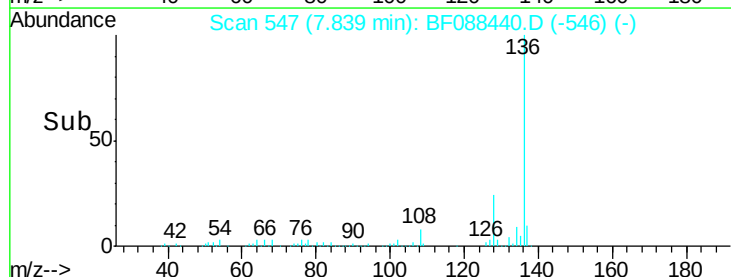


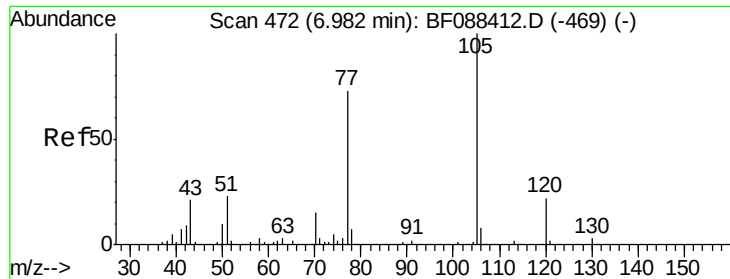
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 41.78 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampled :

Tot Ion:105 Resp: 280445

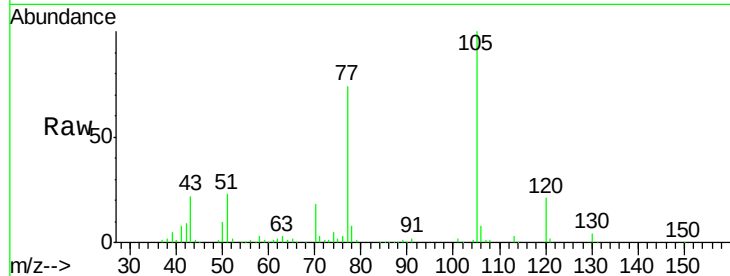
Ion Ratio Lower Upper

105 100

71 3.0 5.3 7.9#

51 23.4 18.2 27.4

120 20.6 18.0 27.0

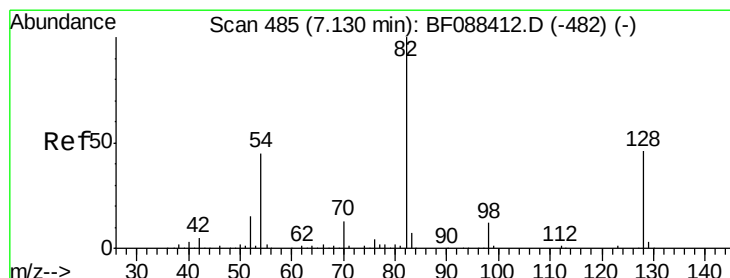
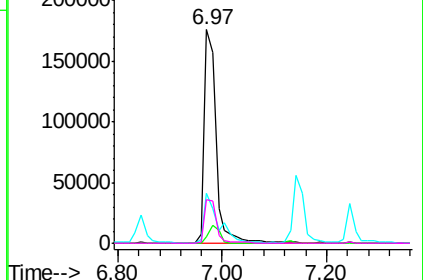
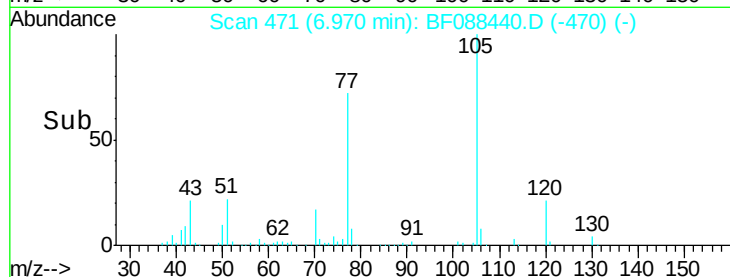


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 73.63 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

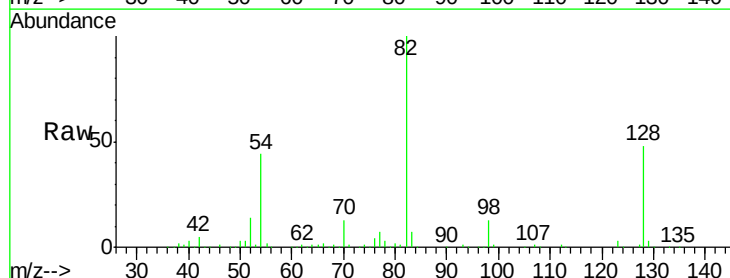
Tgt Ion: 82 Resp: 378773

Ion Ratio Lower Upper

82 100

128 48.0 35.9 53.9

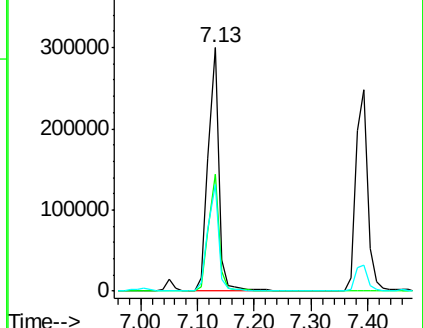
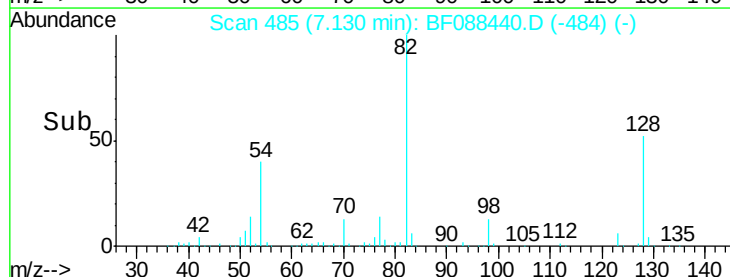
54 43.6 40.9 61.3

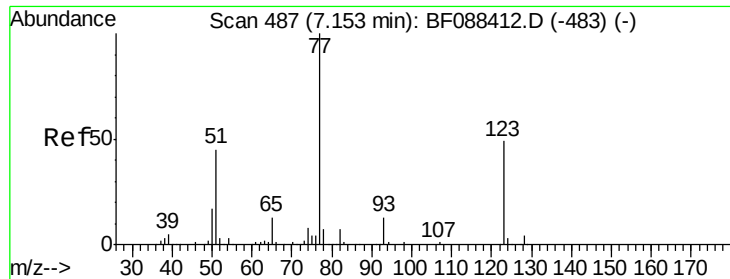


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 36.92 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

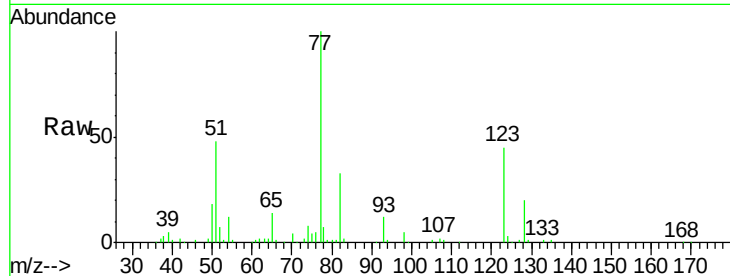
Tot Ion: 77 Resp: 183978

Ion Ratio Lower Upper

77 100

123 45.2 45.0 67.4

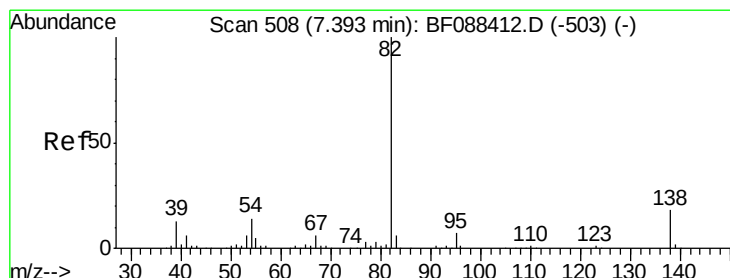
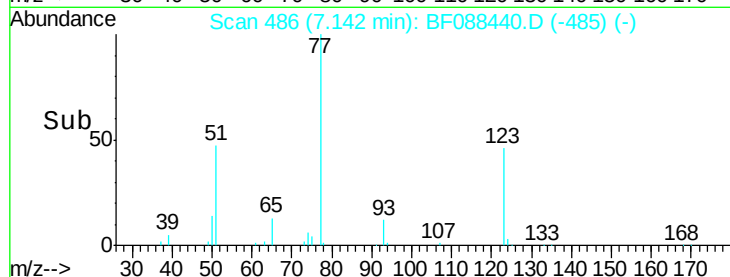
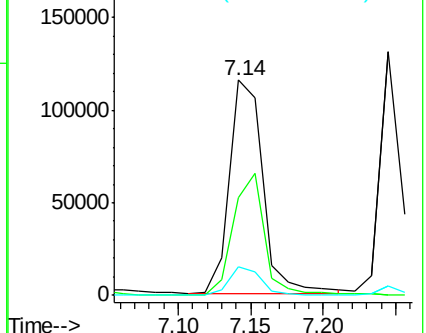
65 13.6 10.2 15.2



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: 37.99 ng

RT: 7.39 min Scan# 508

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

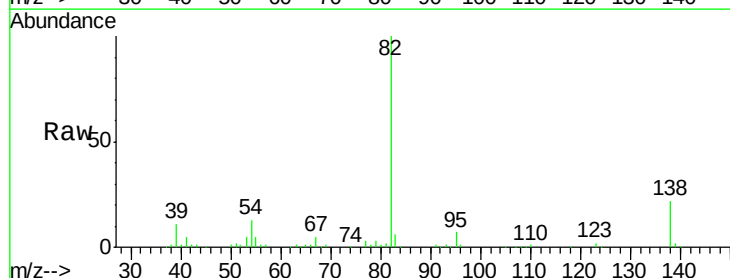
Tgt Ion: 82 Resp: 361940

Ion Ratio Lower Upper

82 100

95 7.5 5.4 8.2

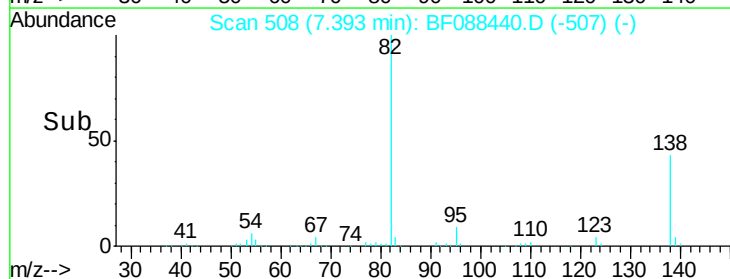
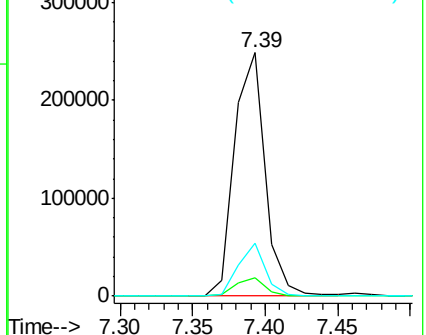
138 21.6 14.6 21.8

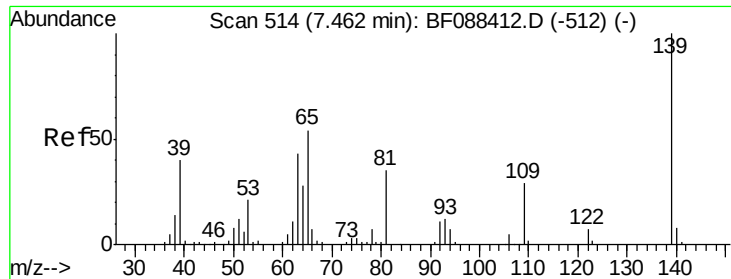


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

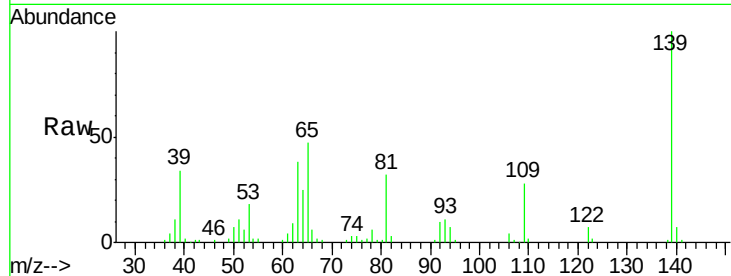




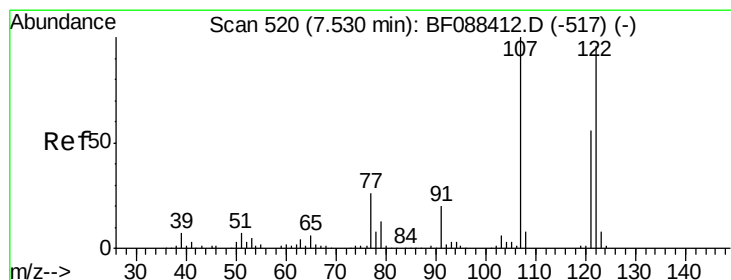
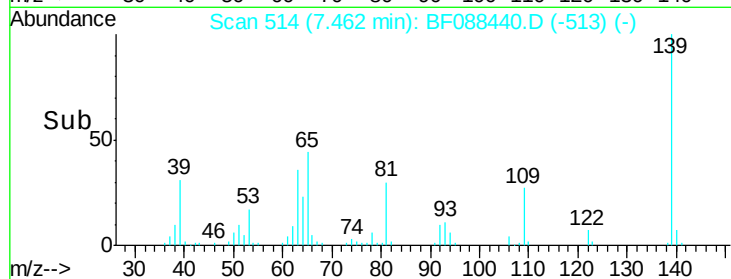
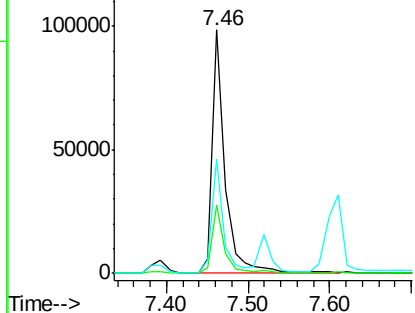
#26  
2-Nitrophenol  
Concen: 41.62 ng  
RT: 7.46 min Scan# 514  
Delta R.T. -0.29 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 28.0  | 23.0  | 34.4  |
| 65      | 47.1  | 45.8  | 68.8  |

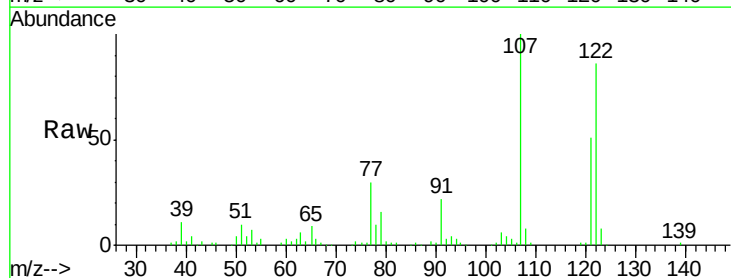


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

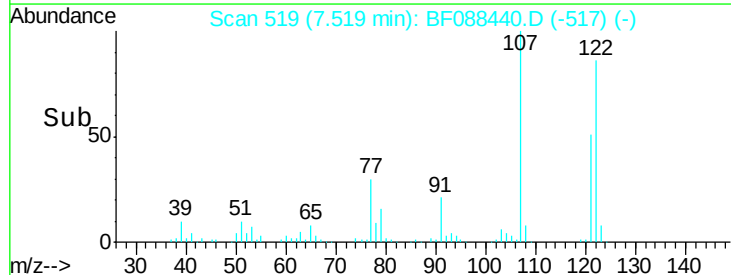
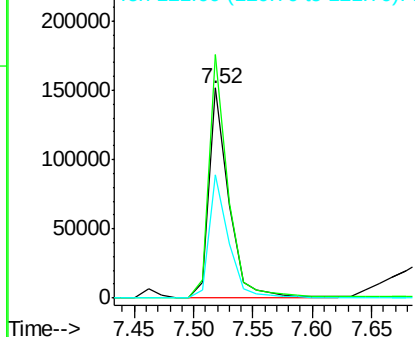


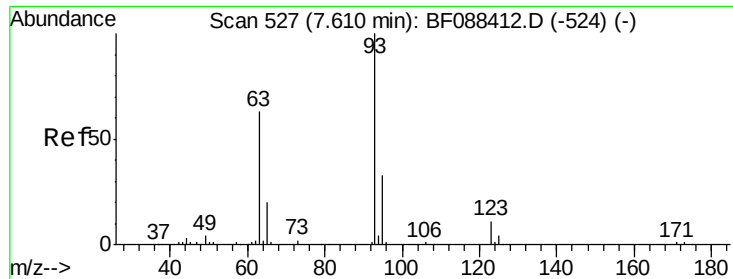
#27  
2,4-Dimethylphenol  
Concen: 35.88 ng  
RT: 7.52 min Scan# 519  
Delta R.T. -0.27 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 116.1 | 82.4  | 123.6 |
| 121     | 59.0  | 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

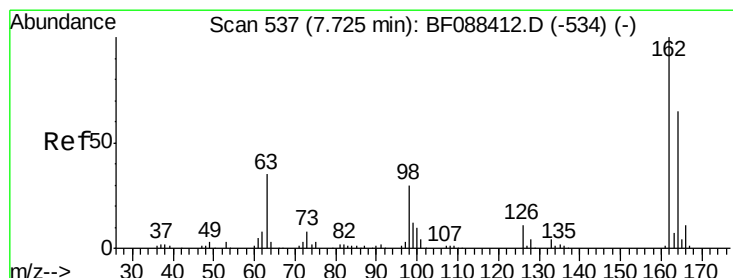
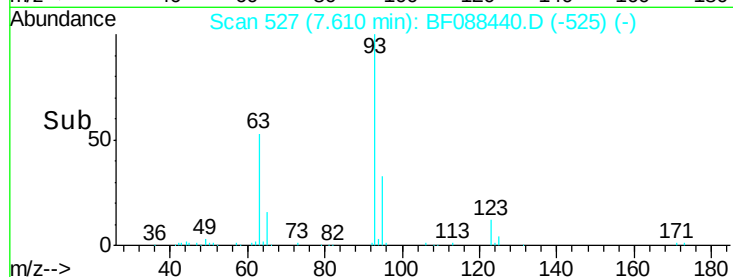
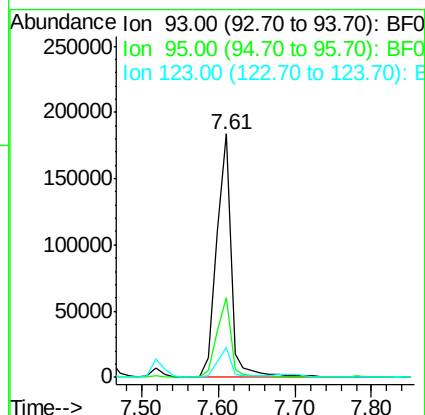
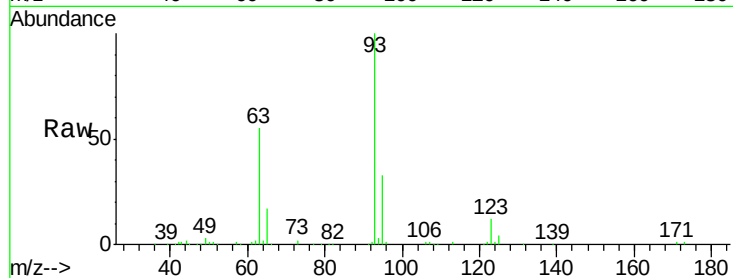




#28  
 bis(2-Chloroethoxy)methane  
 Concen: 41.05 ng  
 RT: 7.61 min Scan# 527  
 Delta R.T. -0.27 min  
 Lab File: BF088440.D  
 Acq: 27 Jun 2016 6:30

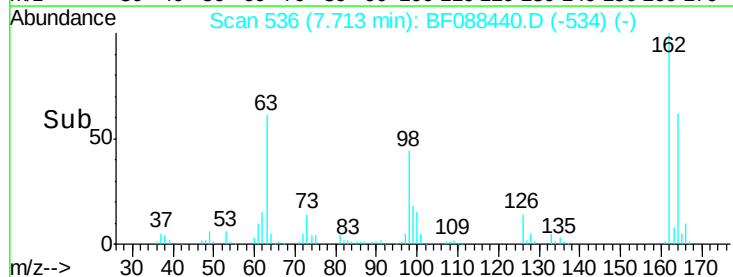
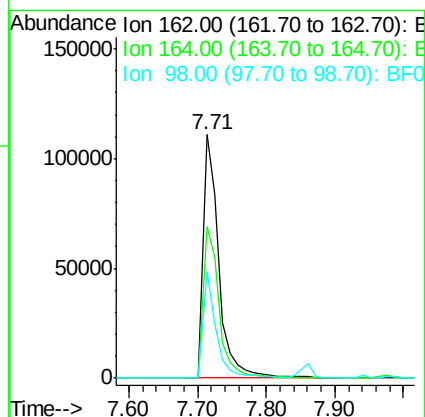
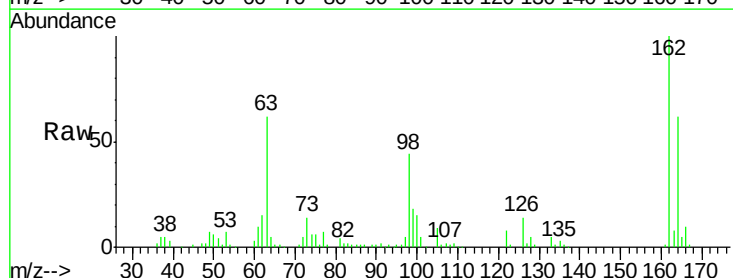
Instrument :  
 BNA\_G  
 ClientSampleId :

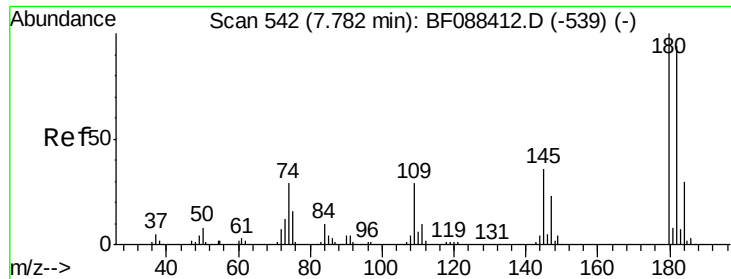
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 242562 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 33.0  | 26.5  | 39.7   |
| 123      | 12.1  | 11.6  | 17.4   |



#29  
 2,4-Dichlorophenol  
 Concen: 42.01 ng  
 RT: 7.71 min Scan# 536  
 Delta R.T. -0.27 min  
 Lab File: BF088440.D  
 Acq: 27 Jun 2016 6:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 162   | Resp: | 172386 |
| Ion      | Ratio | Lower | Upper  |
| 162      | 100   |       |        |
| 164      | 62.3  | 43.8  | 83.8   |
| 98       | 44.0  | 21.3  | 61.3   |

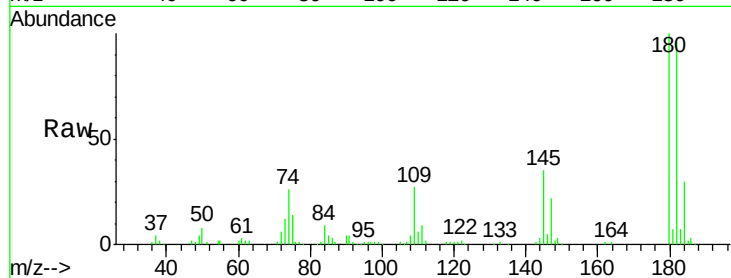




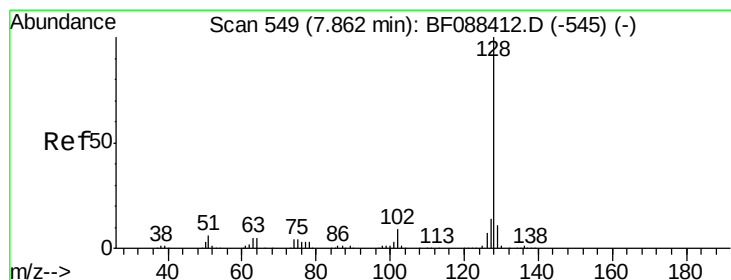
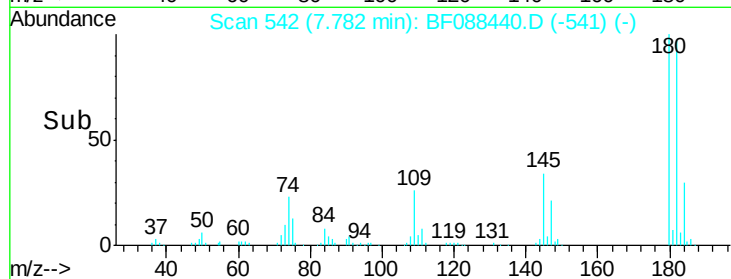
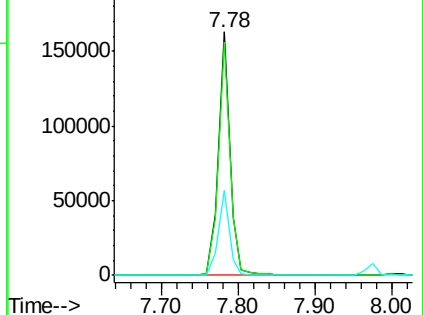
#30  
1,2,4-Trichlorobenzene  
Concen: 38.97 ng  
RT: 7.78 min Scan# 542  
Delta R.T. -0.29 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:180 Resp: 174103  
Ion Ratio Lower Upper  
180 100  
182 95.8 76.0 114.0  
145 34.7 26.5 39.7

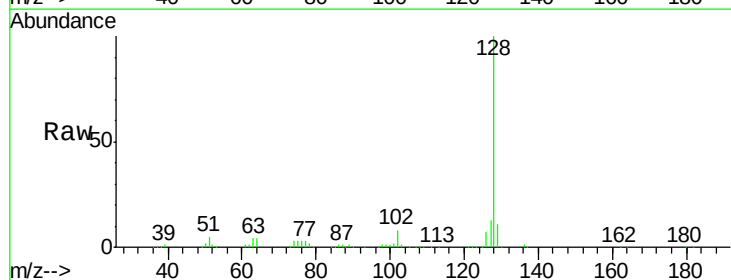


Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E

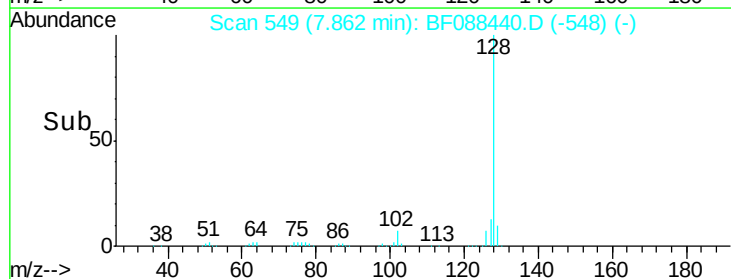
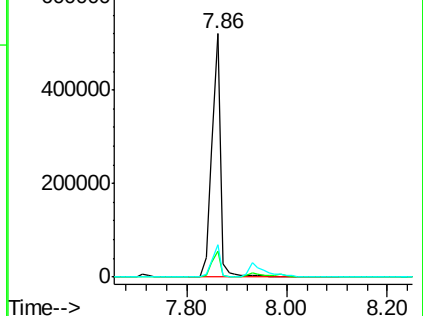


#31  
Naphthalene  
Concen: 41.77 ng  
RT: 7.86 min Scan# 549  
Delta R.T. -0.29 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

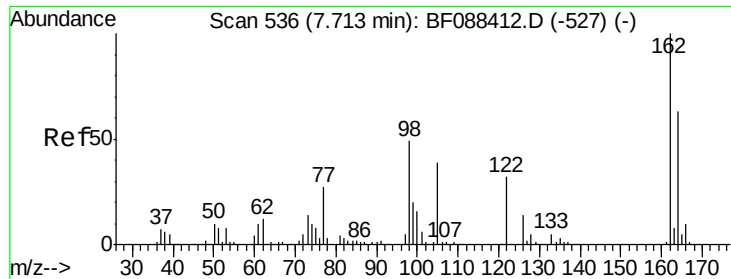
Tgt Ion:128 Resp: 620827  
Ion Ratio Lower Upper  
128 100  
129 10.8 9.4 14.2  
127 13.2 10.9 16.3



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



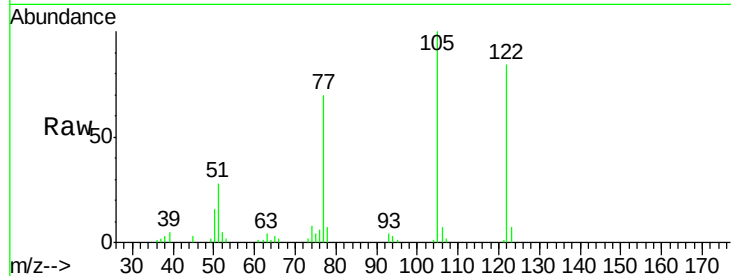




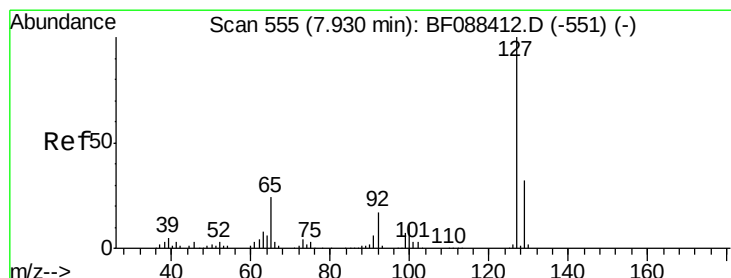
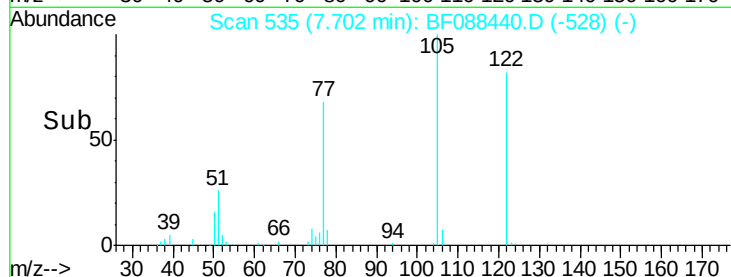
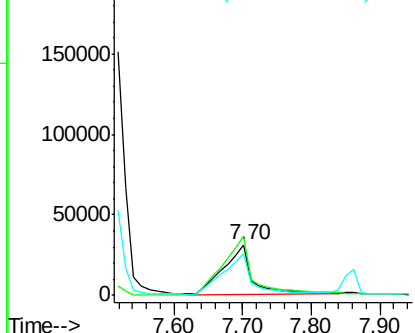
#32  
Benzoic acid  
Concen: 33.76 ng  
RT: 7.70 min Scan# 535  
Delta R.T. -0.22 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:122 Resp: 91358  
Ion Ratio Lower Upper  
122 100  
105 118.6 101.6 141.6  
77 82.8 70.6 110.6

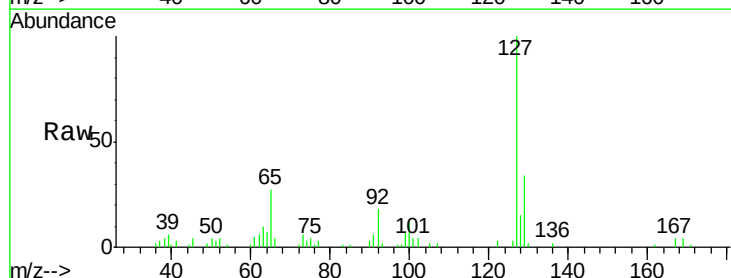


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0

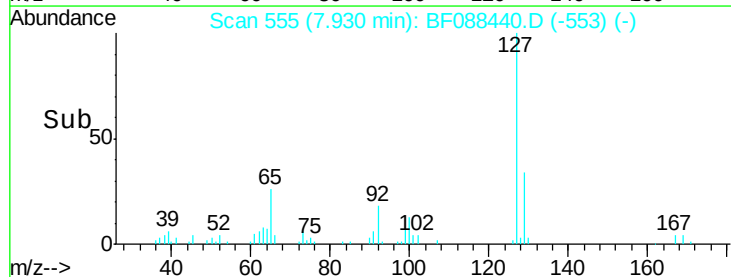
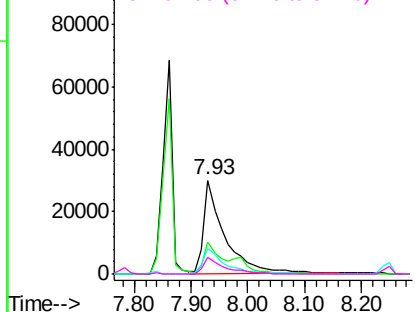


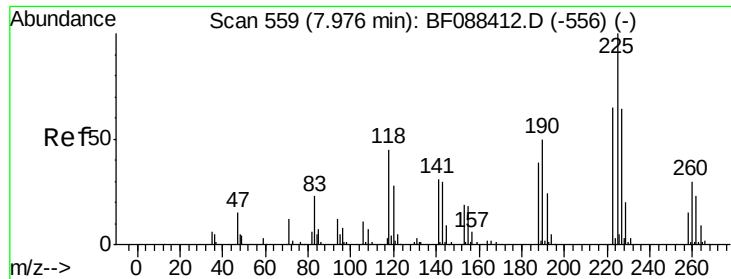
#33  
4-Chloroaniline  
Concen: 11.12 ng  
RT: 7.93 min Scan# 555  
Delta R.T. -0.27 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion:127 Resp: 73827  
Ion Ratio Lower Upper  
127 100  
129 34.3 26.3 39.5  
65 26.7 24.7 37.1  
92 17.5 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

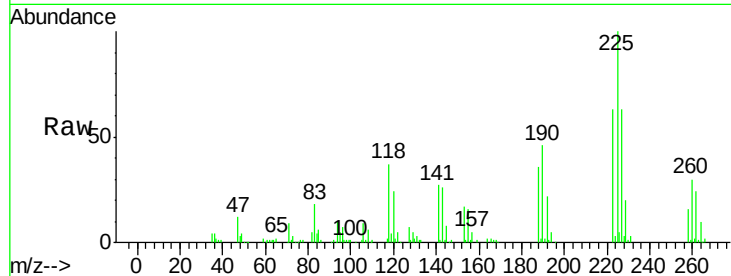




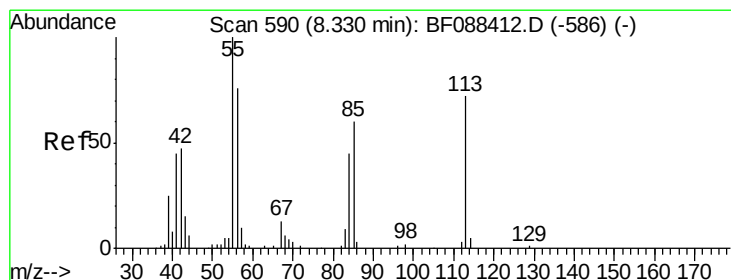
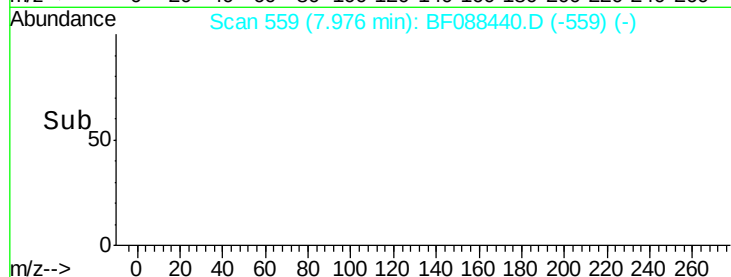
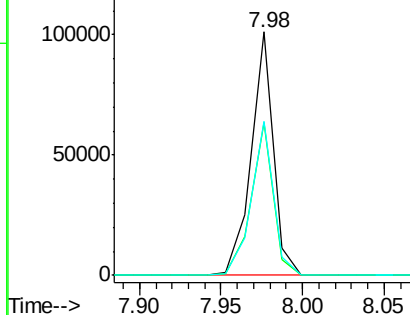
#34  
Hexachlorobutadiene  
Concen: 40.45 ng  
RT: 7.98 min Scan# 559  
Delta R.T. -0.30 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:225 Resp: 95322  
Ion Ratio Lower Upper  
225 100  
223 62.6 50.9 76.3  
227 63.3 51.9 77.9

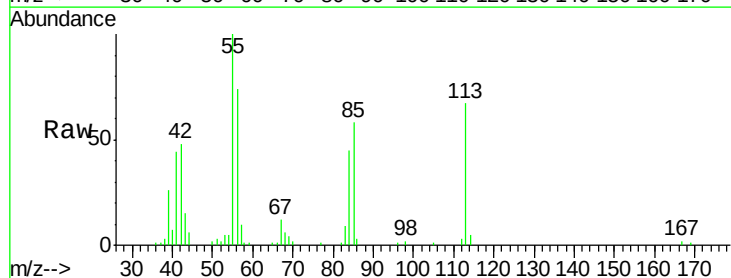


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

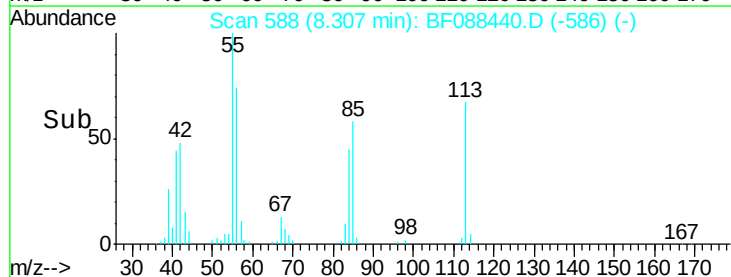
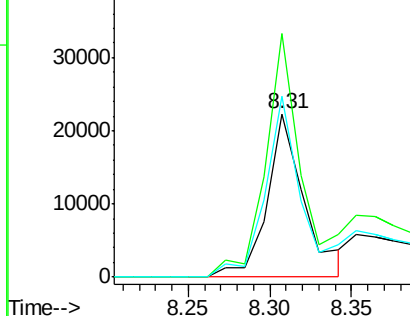


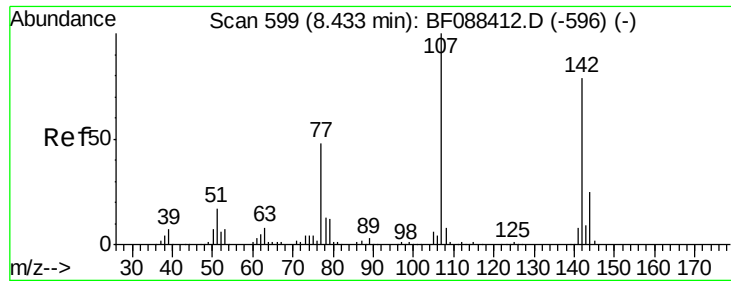
#35  
Caprolactam  
Concen: 26.05 ng  
RT: 8.31 min Scan# 588  
Delta R.T. -0.27 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion:113 Resp: 35402  
Ion Ratio Lower Upper  
113 100  
55 149.1 158.6 198.6#  
56 110.4 110.6 150.6#



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

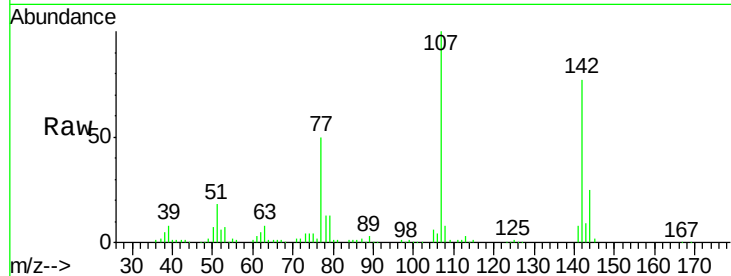




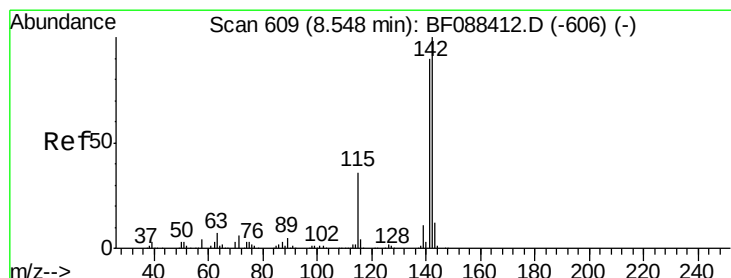
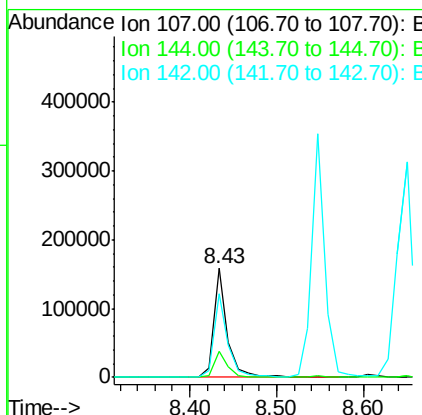
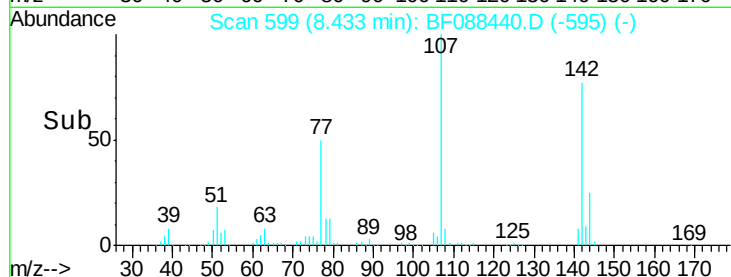
#36  
 4-Chloro-3-methylphenol  
 Concen: 39.56 ng  
 RT: 8.43 min Scan# 599  
 Delta R.T. -0.25 min  
 Lab File: BF088440.D  
 Acq: 27 Jun 2016 6:30

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:107 Resp: 173584  
 Ion Ratio Lower Upper  
 107 100  
 144 24.5 20.8 31.2  
 142 77.1 63.4 95.2

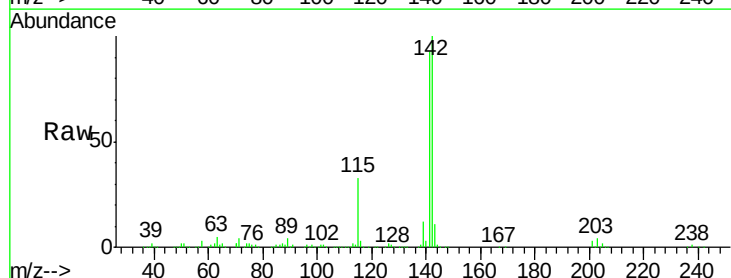


Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

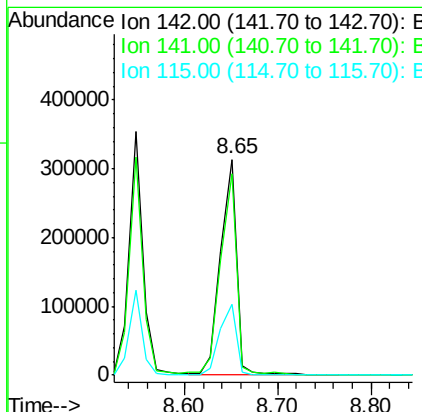
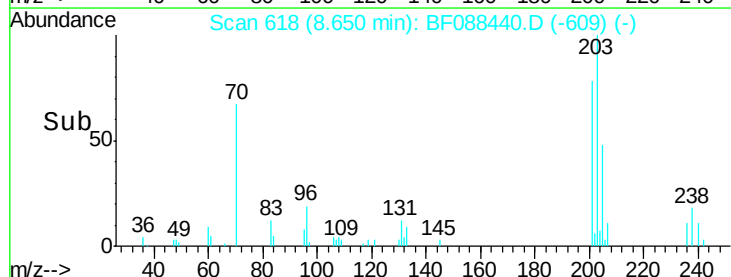


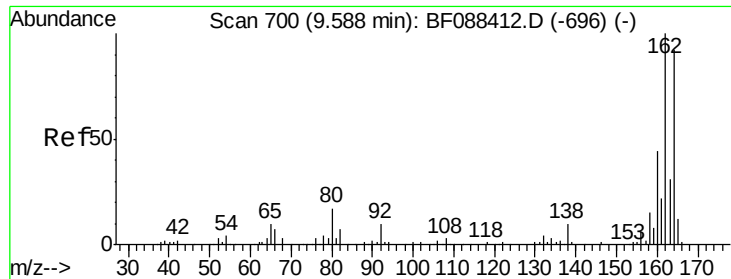
#37  
 2-Methylnaphthalene  
 Concen: 38.02 ng  
 RT: 8.65 min Scan# 618  
 Delta R.T. -0.19 min  
 Lab File: BF088440.D  
 Acq: 27 Jun 2016 6:30

Tgt Ion:142 Resp: 372459  
 Ion Ratio Lower Upper  
 142 100  
 141 93.1 71.0 106.6  
 115 32.9 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

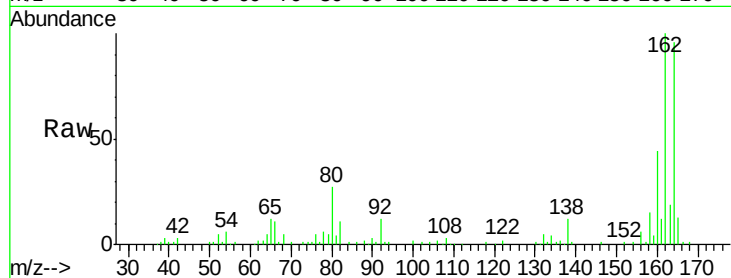




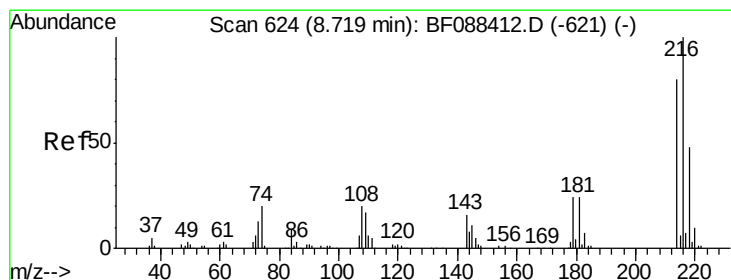
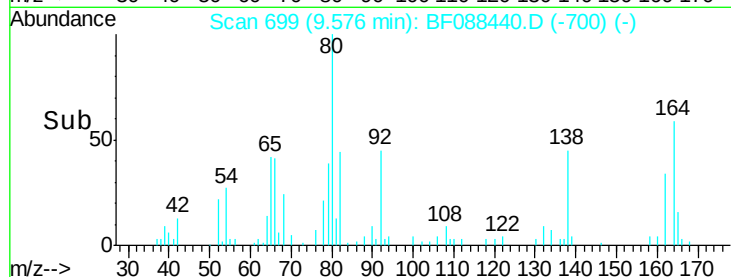
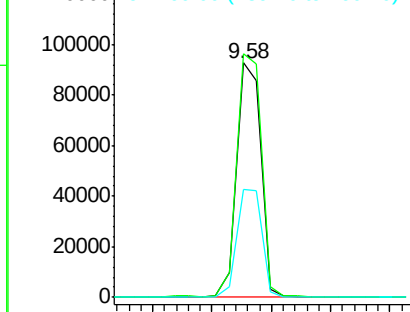
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.58 min Scan# 699  
Delta R.T. -0.31 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:164 Resp: 132744  
Ion Ratio Lower Upper  
164 100  
162 103.9 85.4 128.2  
160 45.8 39.5 59.3



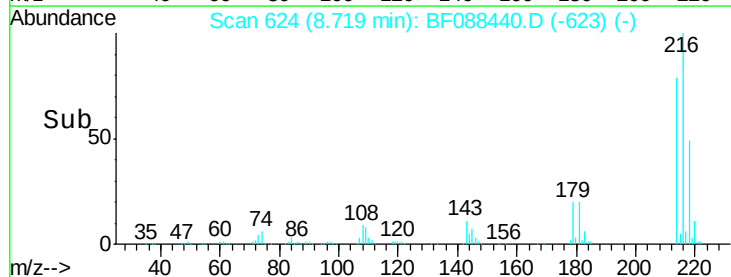
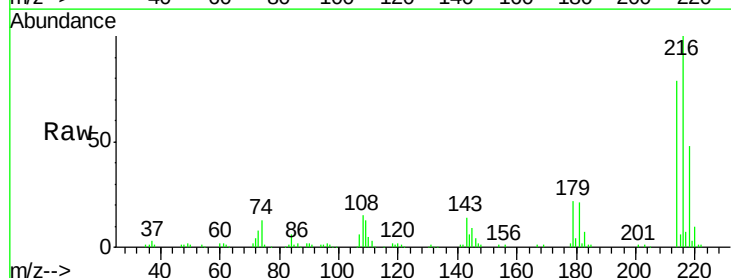
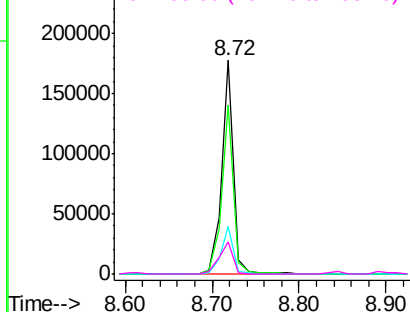
Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

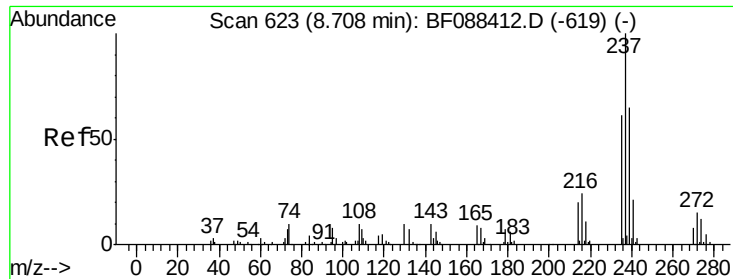


#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 51.82 ng  
RT: 8.72 min Scan# 624  
Delta R.T. -0.29 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion:216 Resp: 169875  
Ion Ratio Lower Upper  
216 100  
214 78.7 2.9 4.3#  
179 22.6 0.0 0.0#  
108 18.2 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

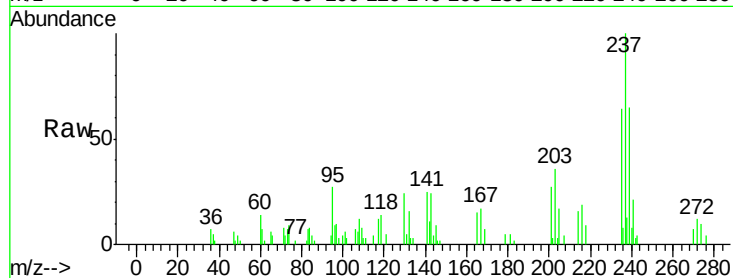




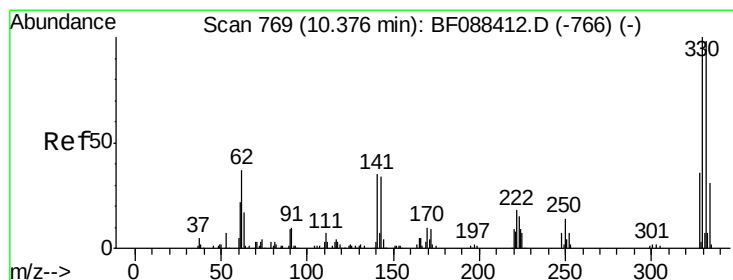
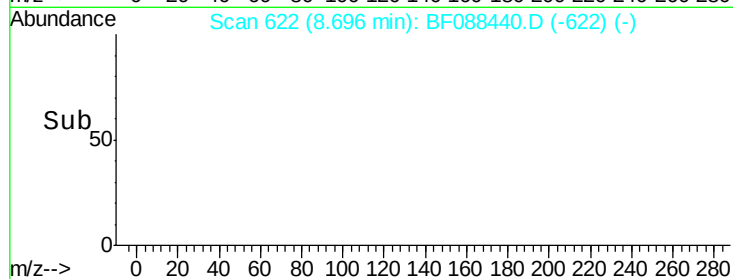
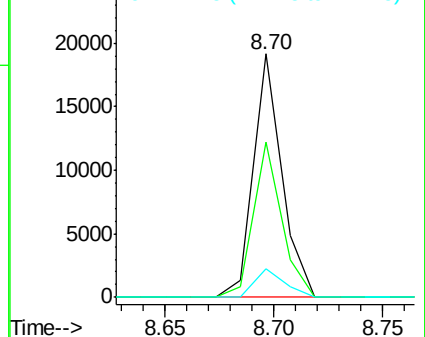
#40  
Hexachlorocyclopentadiene  
Concen: 8.12 ng  
RT: 8.70 min Scan# 622  
Delta R.T. -0.30 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:237 Resp: 17395  
Ion Ratio Lower Upper  
237 100  
235 64.0 43.4 83.4  
272 11.8 0.0 32.3

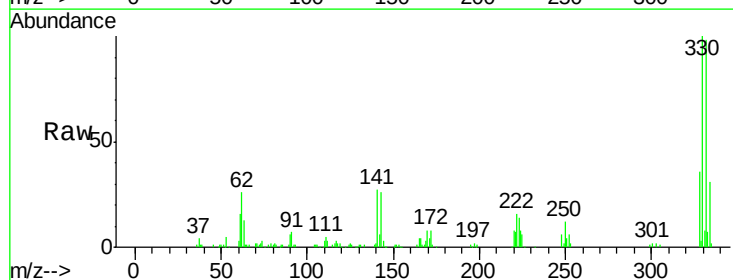


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

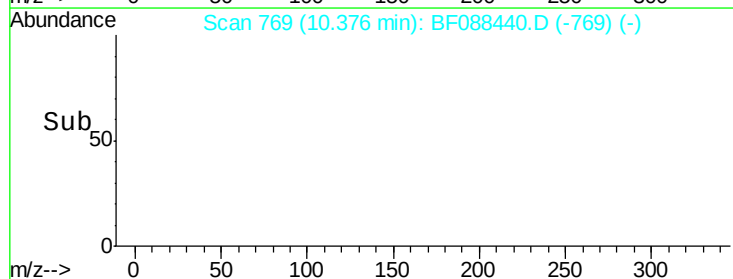
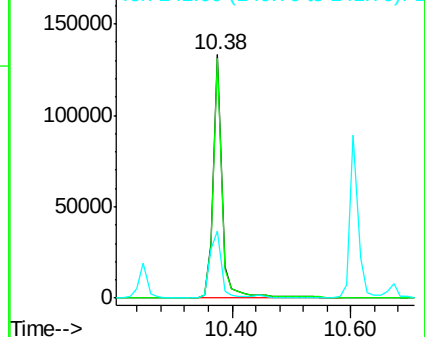


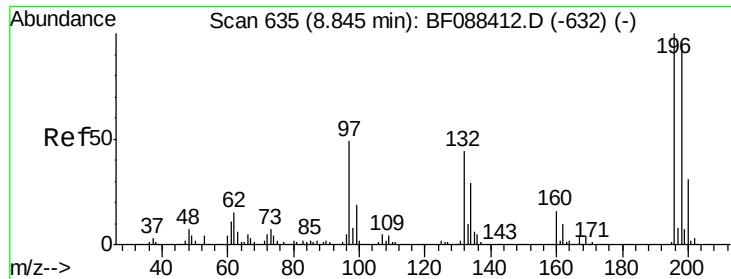
#41  
2,4,6-Tribromophenol  
Concen: 100.86 ng  
RT: 10.38 min Scan# 769  
Delta R.T. -0.30 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion:330 Resp: 141369  
Ion Ratio Lower Upper  
330 100  
332 97.4 0.0 0.0#  
141 35.1 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

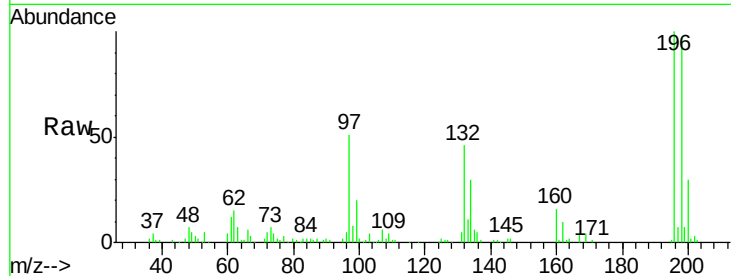




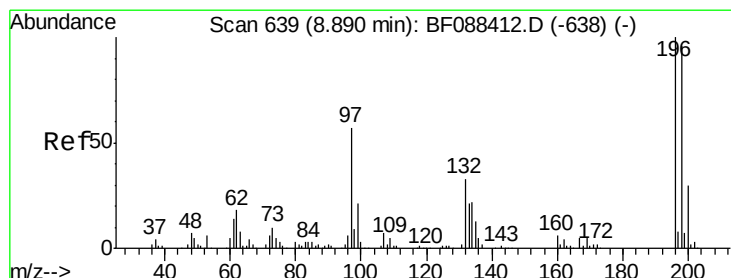
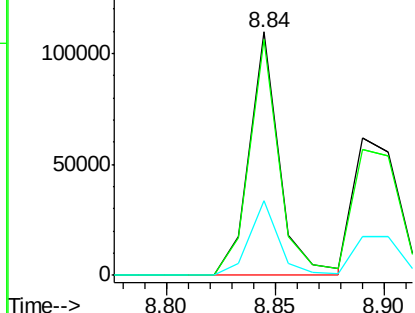
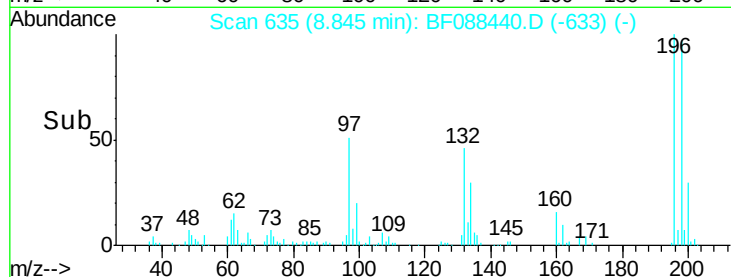
#42  
 2,4,6-Trichlorophenol  
 Concen: 39.63 ng  
 RT: 8.84 min Scan# 635  
 Delta R.T. -0.27 min  
 Lab File: BF088440.D  
 Acq: 27 Jun 2016 6:30

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:196 Resp: 105204  
 Ion Ratio Lower Upper  
 196 100  
 198 96.7 78.0 117.0  
 200 30.5 25.4 38.2

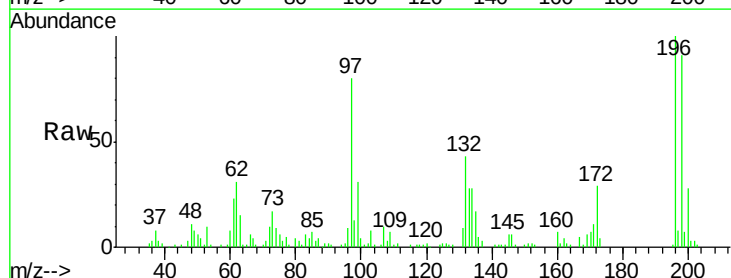


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

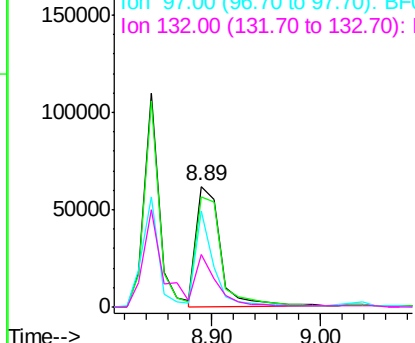
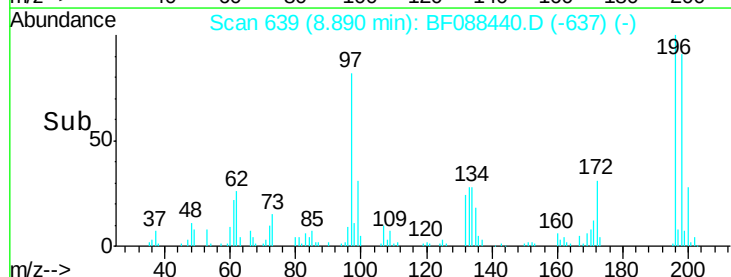


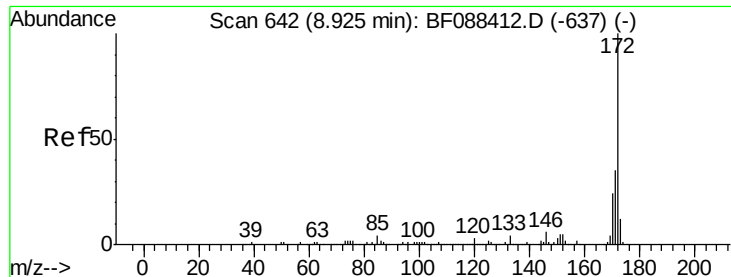
#43  
 2,4,5-Trichlorophenol  
 Concen: 34.84 ng  
 RT: 8.89 min Scan# 639  
 Delta R.T. -0.27 min  
 Lab File: BF088440.D  
 Acq: 27 Jun 2016 6:30

Tgt Ion:196 Resp: 96233  
 Ion Ratio Lower Upper  
 196 100  
 198 91.1 77.5 116.3  
 97 79.8 32.0 48.0#  
 132 43.0 20.9 31.3#



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

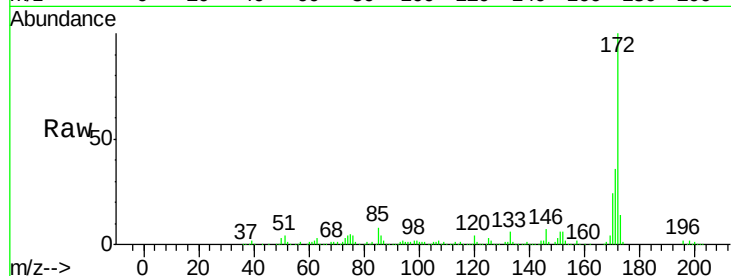




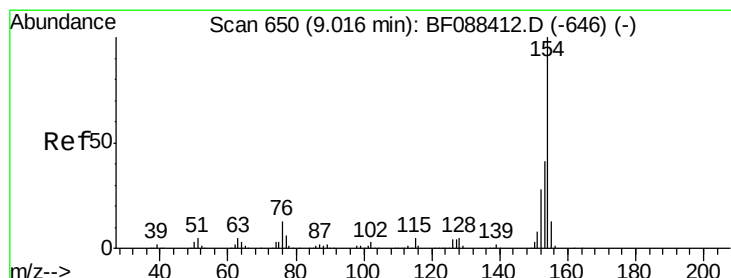
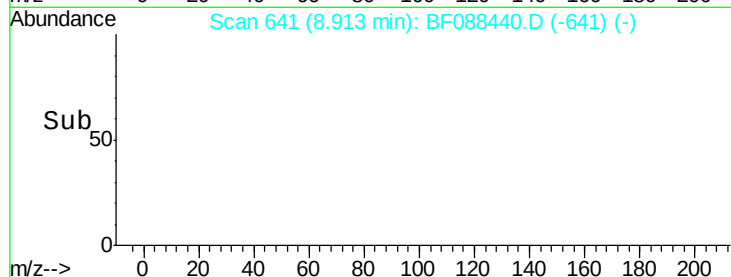
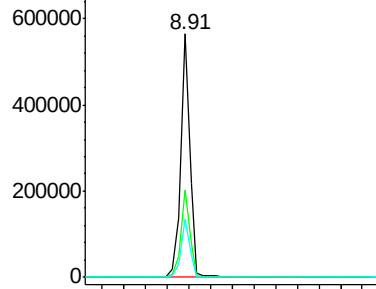
#44  
2-Fluorobiphenyl  
Concen: 78.55 ng  
RT: 8.91 min Scan# 641  
Delta R.T. -0.30 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:172 Resp: 667270  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.6 43.0  
170 23.9 19.2 28.8

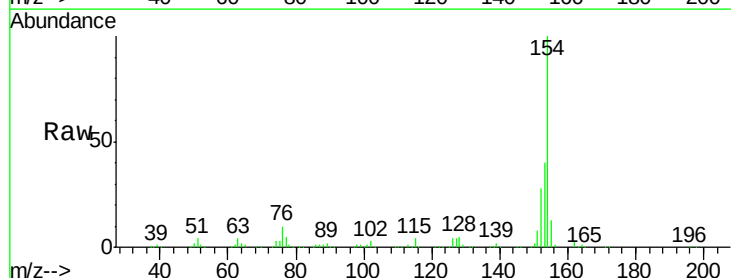


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

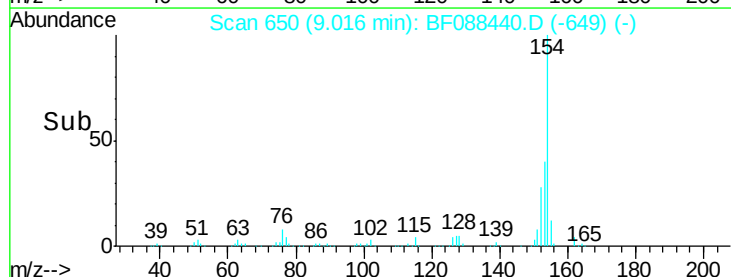
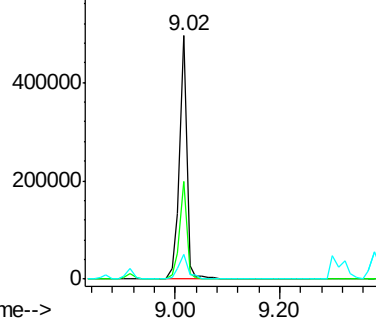


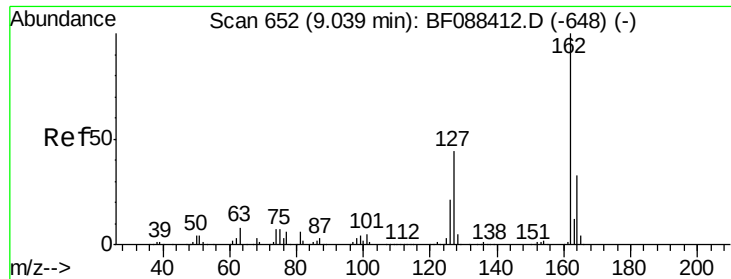
#45  
1,1'-Biphenyl  
Concen: 49.32 ng  
RT: 9.02 min Scan# 650  
Delta R.T. -0.29 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion:154 Resp: 485505  
Ion Ratio Lower Upper  
154 100  
153 40.3 20.6 60.6  
76 10.1 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): BF0

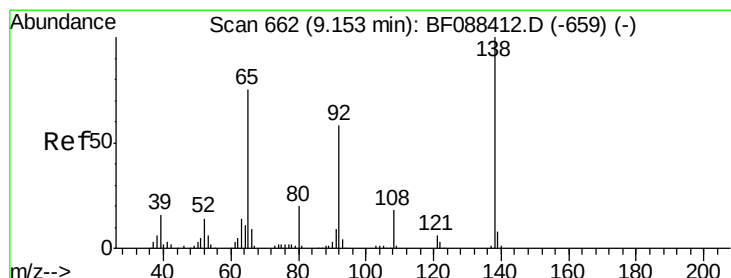
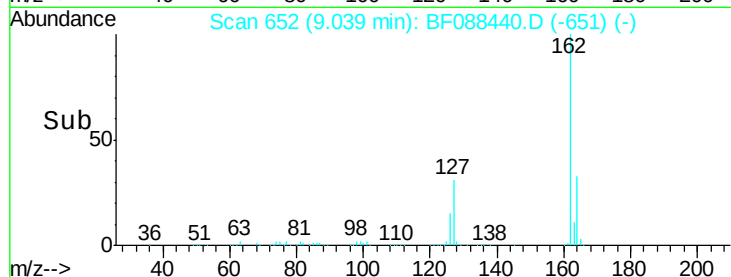
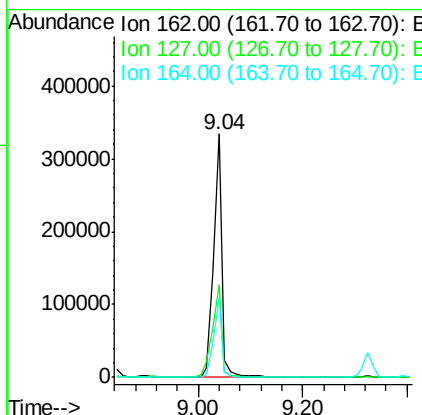
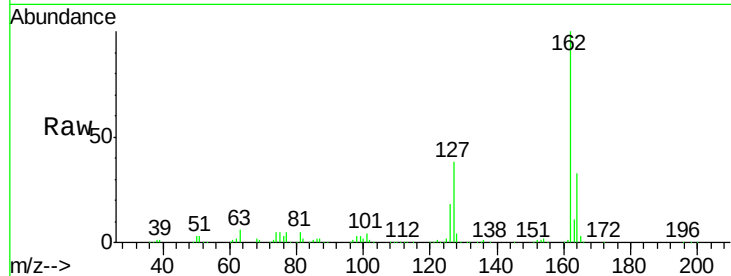




#46  
 2-Chloronaphthalene  
 Concen: 43.17 ng  
 RT: 9.04 min Scan# 652  
 Delta R.T. -0.29 min  
 Lab File: BF088440.D  
 Acq: 27 Jun 2016 6:30

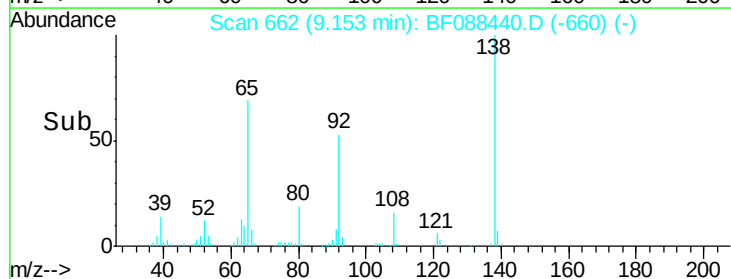
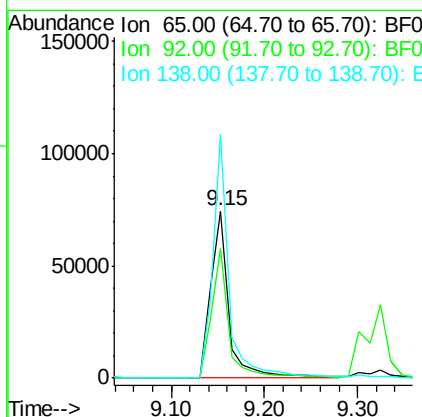
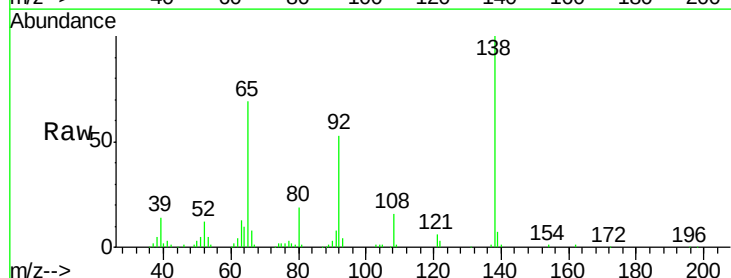
Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.1  | 35.2  | 52.8  |
| 164     | 32.7  | 26.6  | 39.8  |

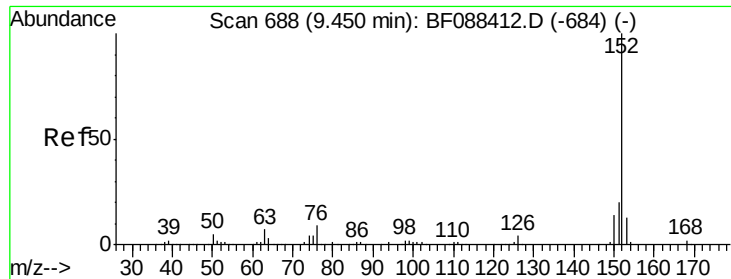


#47  
 2-Nitroaniline  
 Concen: 40.05 ng  
 RT: 9.15 min Scan# 662  
 Delta R.T. -0.27 min  
 Lab File: BF088440.D  
 Acq: 27 Jun 2016 6:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 77.8  | 54.6  | 82.0  |
| 138     | 145.6 | 77.0  | 115.4 |







#48

Acenaphthylene

Concen: 39.96 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.31 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

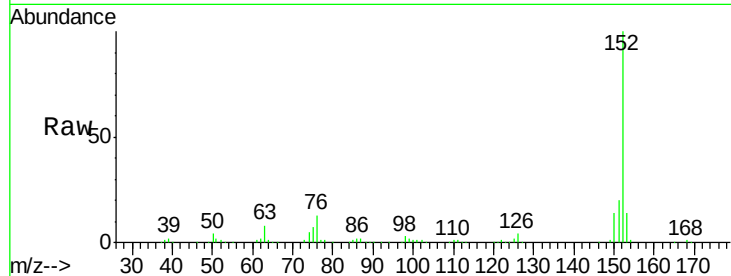
Tot Ion:152 Resp: 545977

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

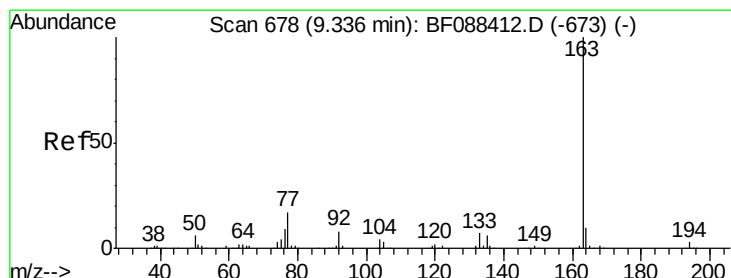
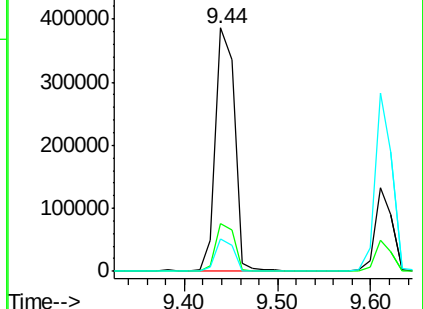
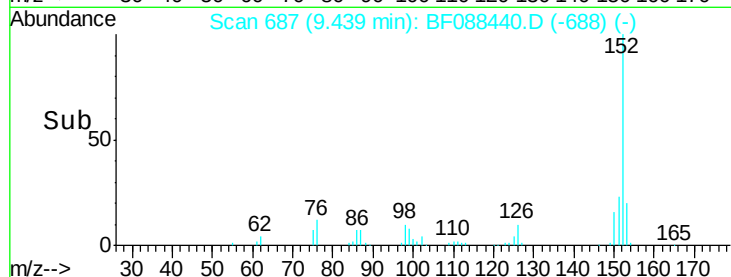
153 13.5 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 42.87 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

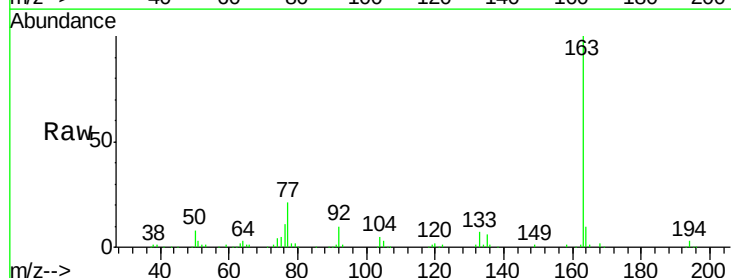
Tgt Ion:163 Resp: 412201

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

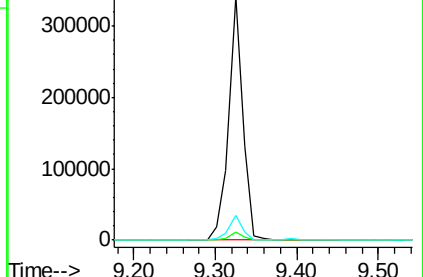
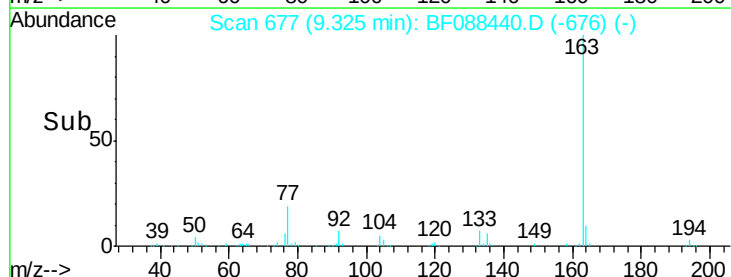
164 10.1 8.3 12.5

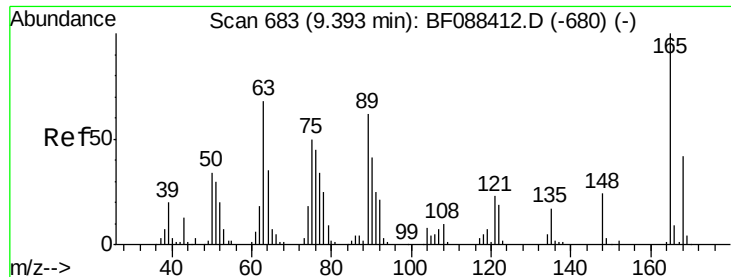


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

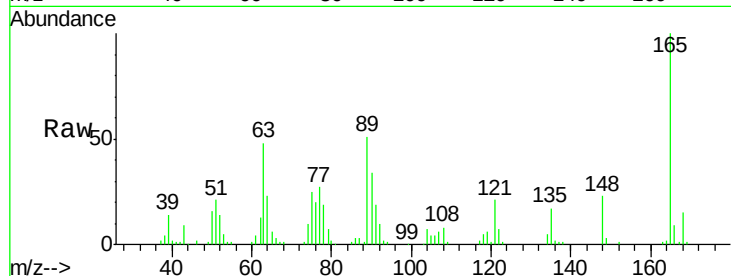




#50  
2,6-Dinitrotoluene  
Concen: 43.83 ng  
RT: 9.39 min Scan# 683  
Delta R.T. -0.27 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Instrument :  
BNA\_G  
ClientSampleId :

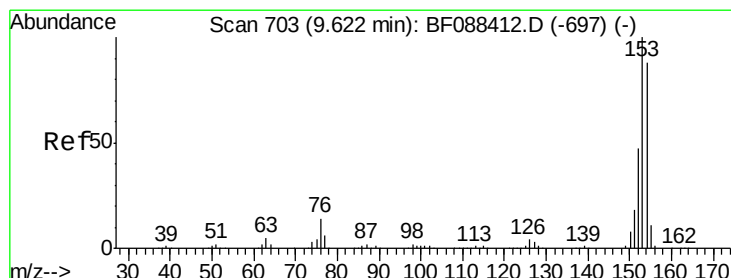
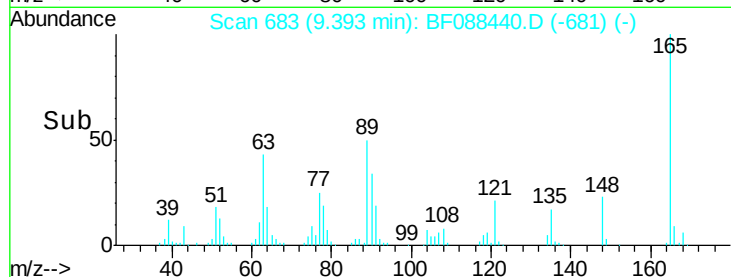
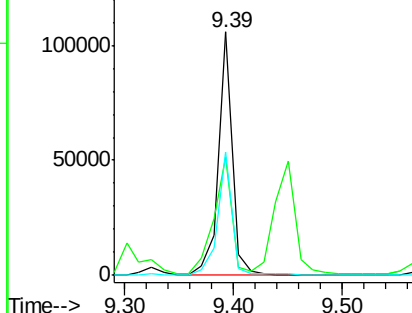
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 48.4  | 28.1  | 42.1# |
| 89      | 50.6  | 32.2  | 48.2# |



Abundance Ion 165.00 (164.70 to 165.70): E

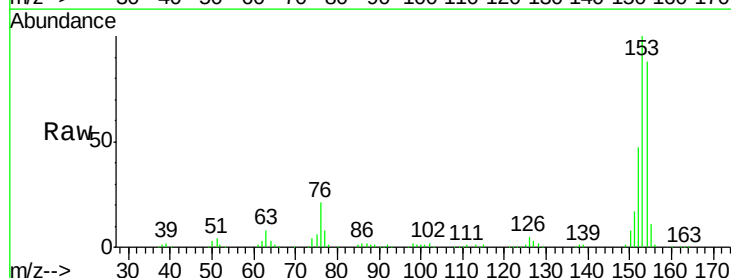
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51  
Acenaphthene  
Concen: 36.95 ng  
RT: 9.61 min Scan# 702  
Delta R.T. -0.31 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

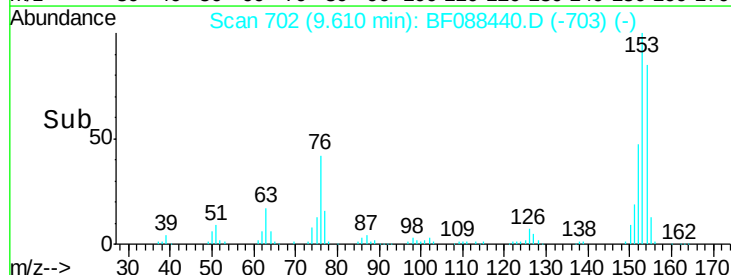
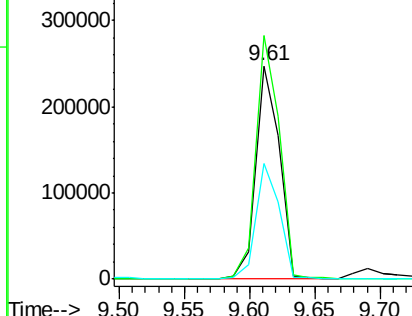
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 114.1 | 89.5  | 134.3 |
| 152     | 53.9  | 42.7  | 64.1  |

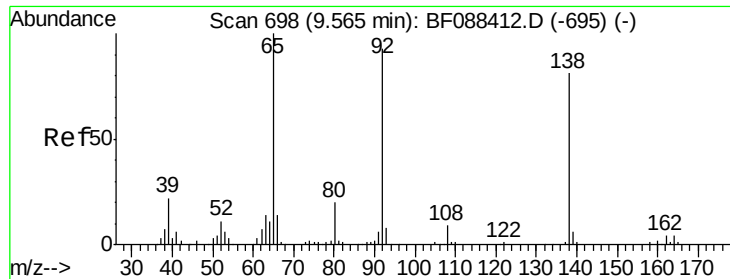


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

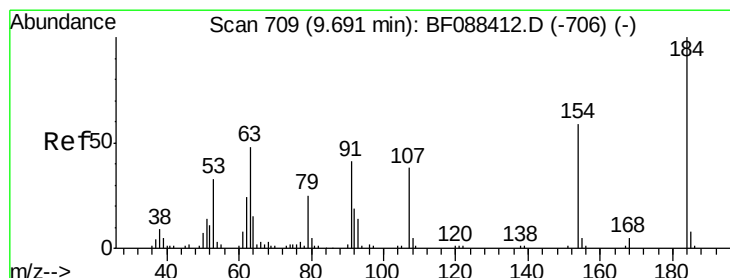
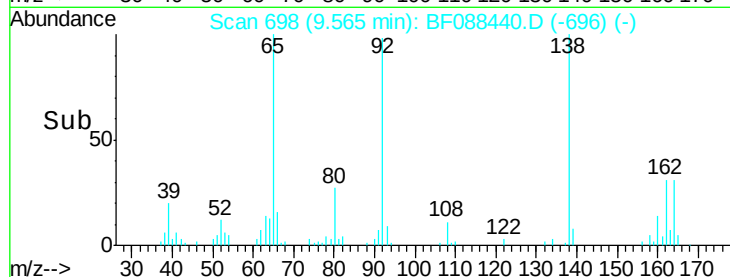
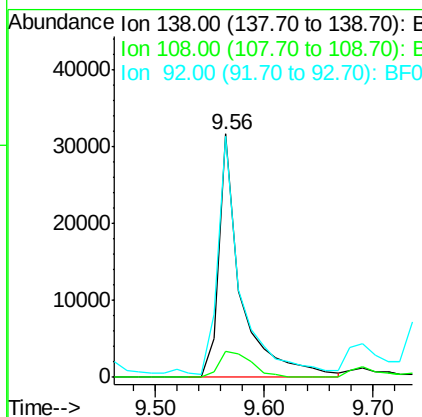
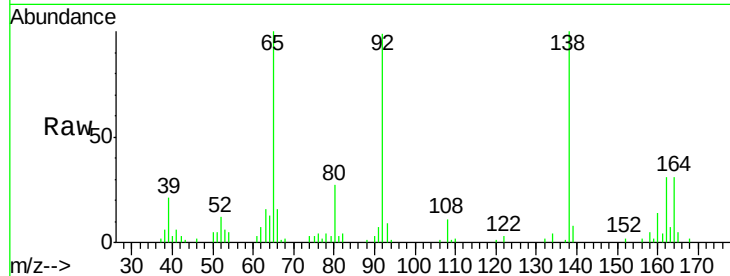




#52  
3-Nitroaniline  
Concen: 17.77 ng  
RT: 9.56 min Scan# 698  
Delta R.T. -0.27 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

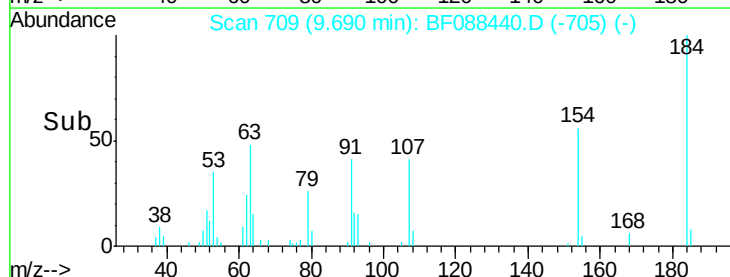
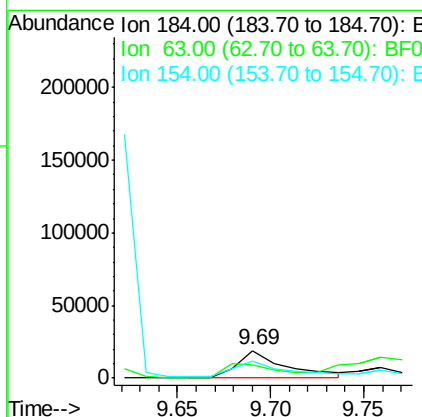
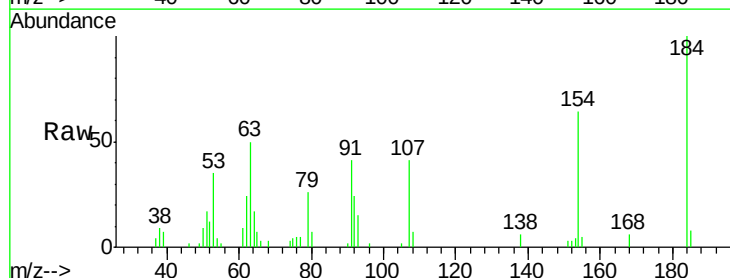
Instrument :  
BNA\_G  
ClientSampleId :

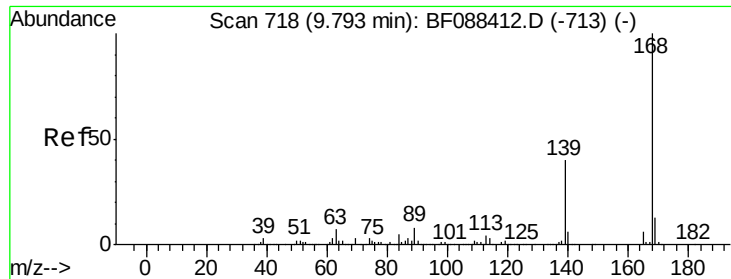
Tot Ion:138 Resp: 45166  
Ion Ratio Lower Upper  
138 100  
108 10.6 8.5 12.7  
92 98.8 95.7 143.5



#53  
2,4-Dinitrophenol  
Concen: 34.72 ng  
RT: 9.69 min Scan# 709  
Delta R.T. -0.25 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion:184 Resp: 34744  
Ion Ratio Lower Upper  
184 100  
63 50.4 57.6 86.4#  
154 64.4 53.5 80.3

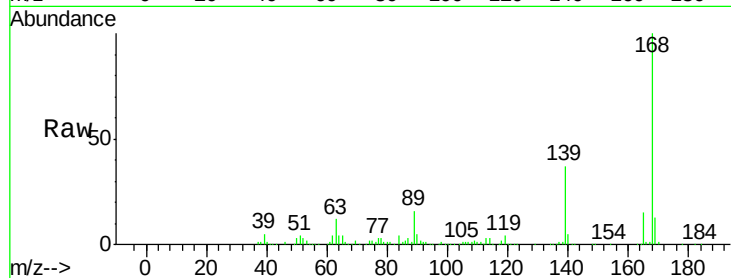




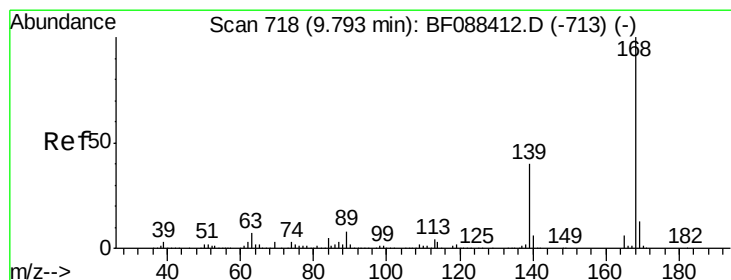
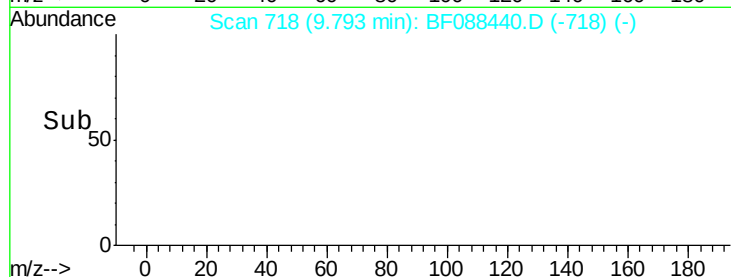
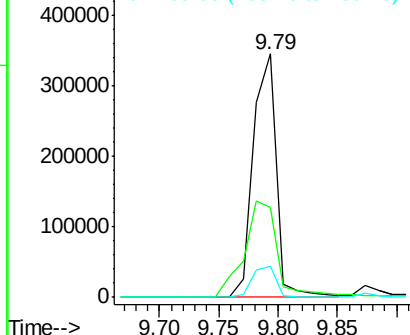
#54  
Dibenzofuran  
Concen: 40.16 ng  
RT: 9.79 min Scan# 718  
Delta R.T. -0.30 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:168 Resp: 471378  
Ion Ratio Lower Upper  
168 100  
139 37.1 26.4 39.6  
169 12.9 10.4 15.6

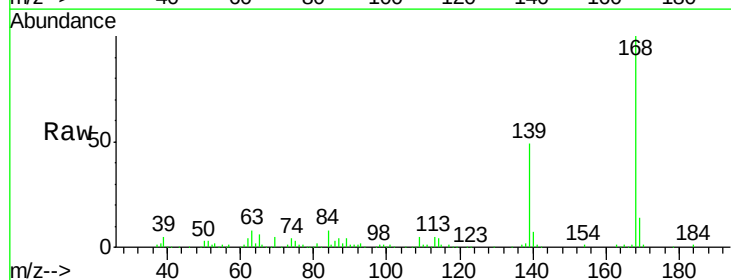


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

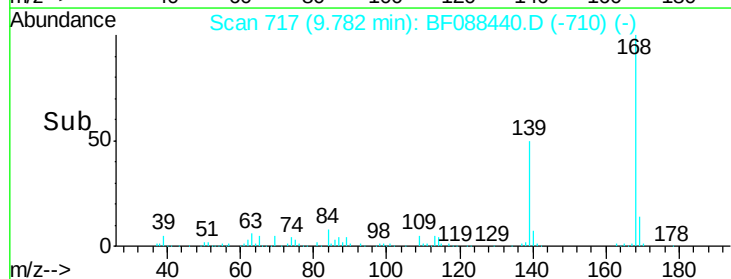
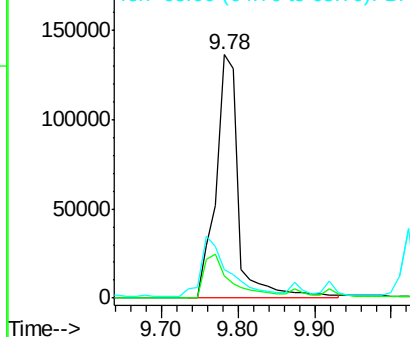


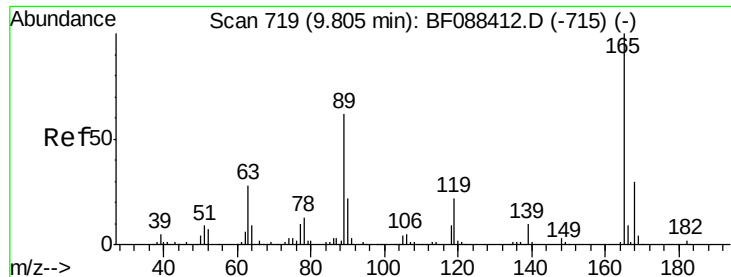
#55  
4-Nitrophenol  
Concen: 142.38 ng  
RT: 9.78 min Scan# 717  
Delta R.T. -0.22 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion:139 Resp: 280817  
Ion Ratio Lower Upper  
139 100  
109 9.2 48.9 88.9#  
65 11.8 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

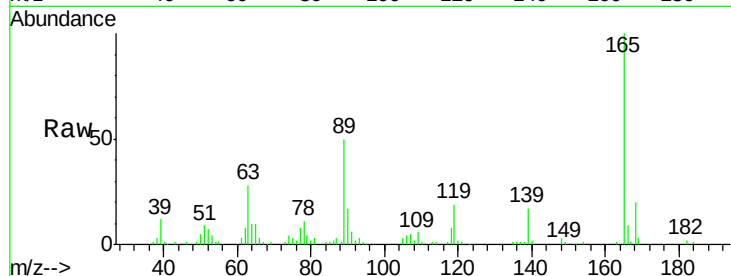




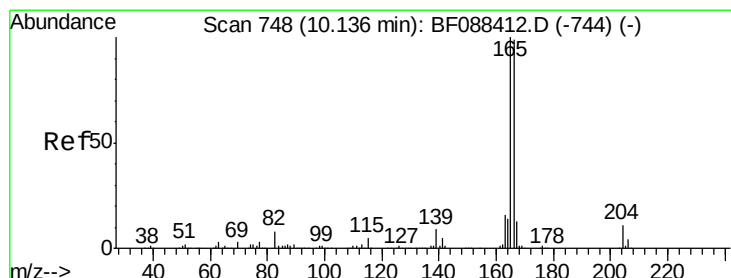
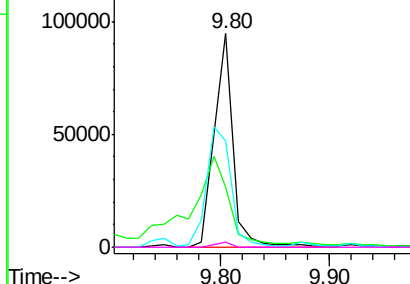
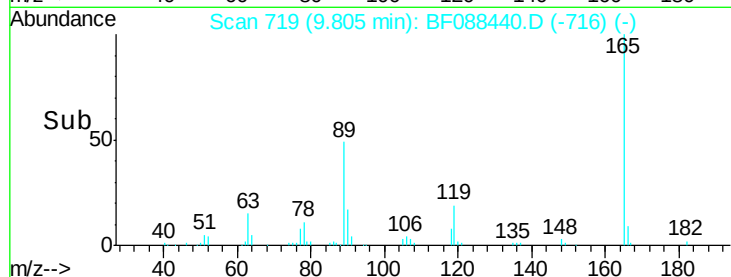
#56  
2,4-Dinitrotoluene  
Concen: 41.15 ng  
RT: 9.80 min Scan# 719  
Delta R.T. -0.26 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 165   | Resp: | 116457 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 28.5  | 22.0  | 33.0   |
| 89       | 49.9  | 41.1  | 61.7   |
| 182      | 2.4   | 2.0   | 3.0    |

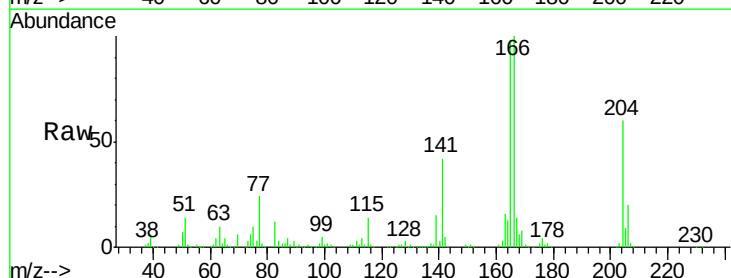


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

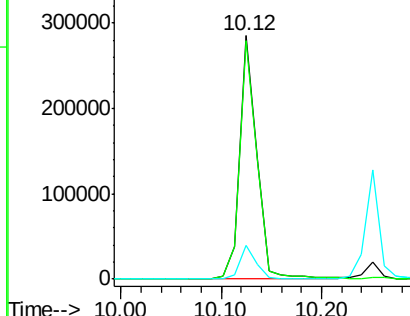
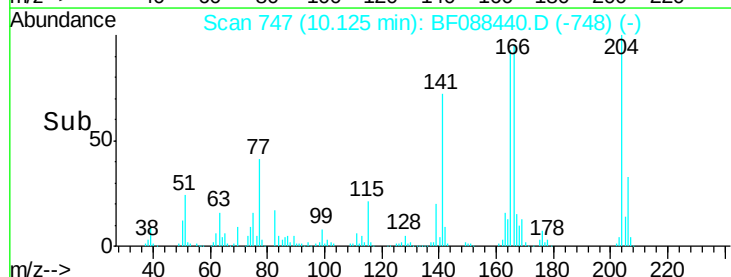


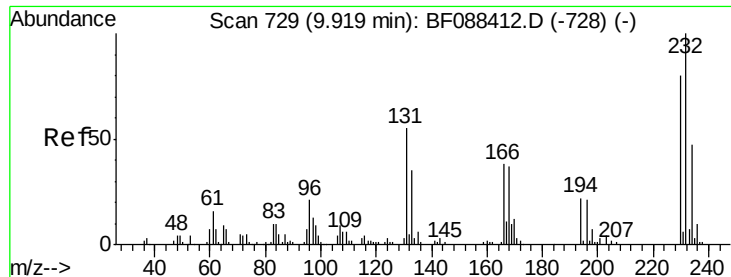
#57  
Fluorene  
Concen: 42.01 ng  
RT: 10.12 min Scan# 747  
Delta R.T. -0.31 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 335802 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 98.1  | 77.8  | 116.8  |
| 167      | 14.0  | 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: 31.10 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.33 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:232 Resp: 67507

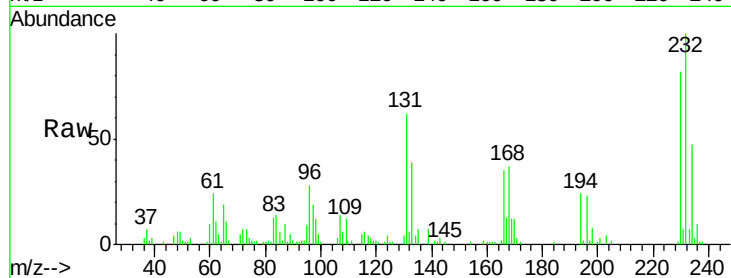
Ion Ratio Lower Upper

232 100

131 45.3 0.9 1.3#

130 3.0 1.5 2.3#

166 27.2 0.5 0.7#

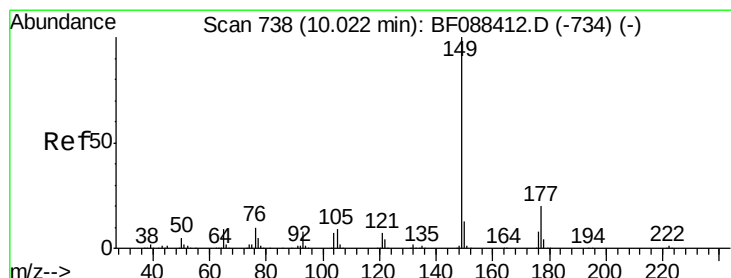
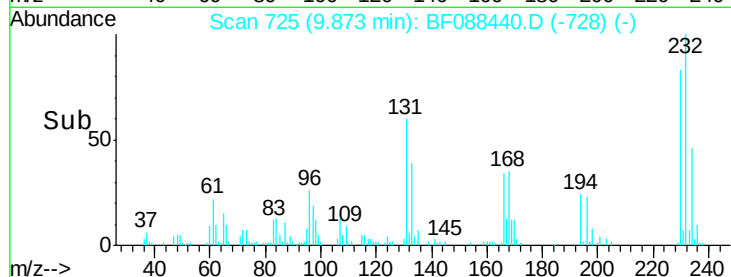
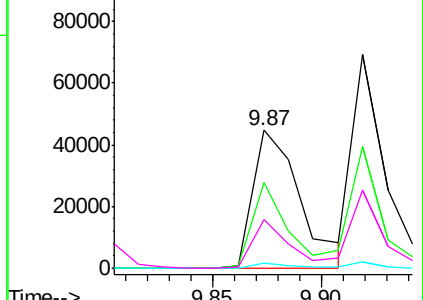


Abundance Ion 232.00 (231.70 to 232.70): E

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: 43.21 ng

RT: 10.02 min Scan# 738

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

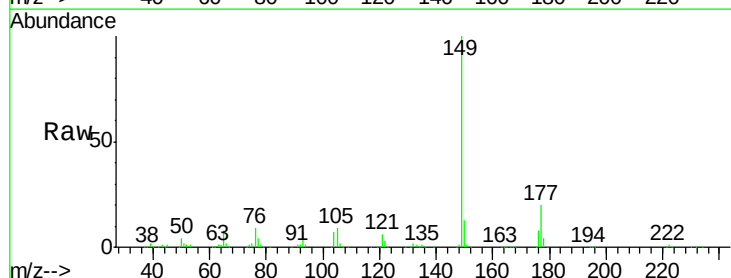
Tgt Ion:149 Resp: 420607

Ion Ratio Lower Upper

149 100

177 20.4 16.9 25.3

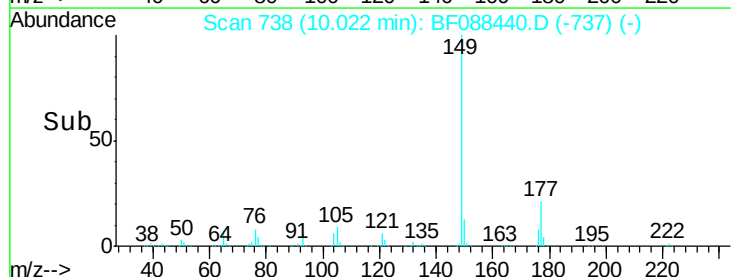
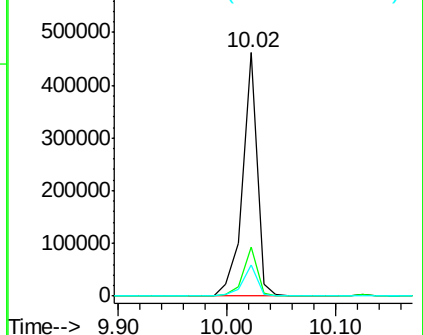
150 12.7 10.1 15.1

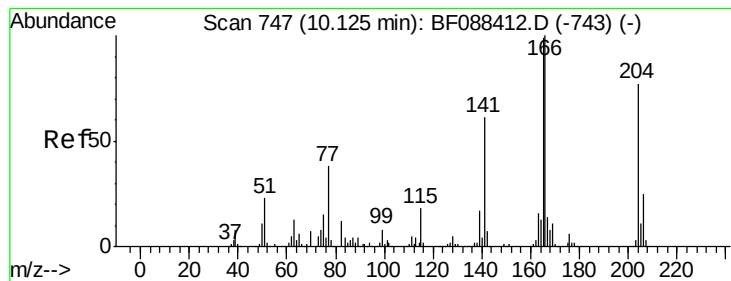


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#60

4-Chlorophenyl-phenylether

Concen: 41.38 ng

RT: 10.12 min Scan# 747

Delta R.T. -0.30 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampled :

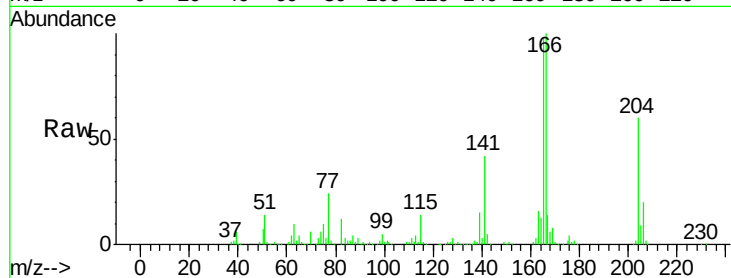
Tot Ion:204 Resp: 161536

Ion Ratio Lower Upper

204 100

206 32.8 26.3 39.5

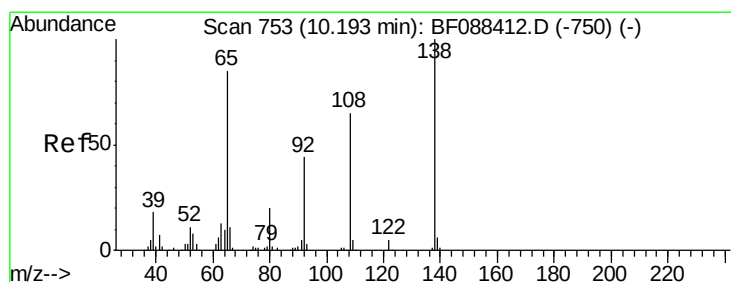
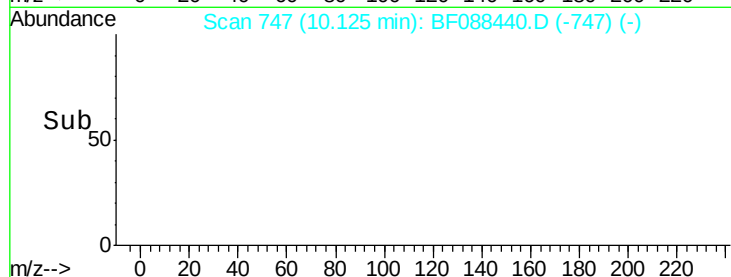
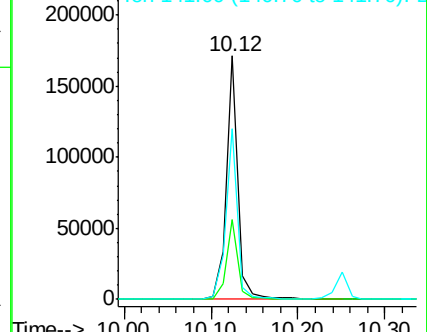
141 70.0 55.0 82.6



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: 31.92 ng

RT: 10.18 min Scan# 752

Delta R.T. -0.27 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

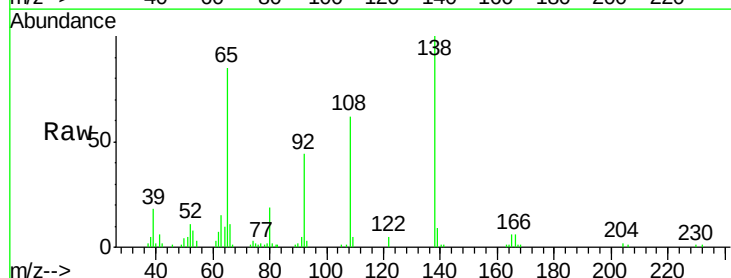
Tgt Ion:138 Resp: 76936

Ion Ratio Lower Upper

138 100

92 43.5 27.3 67.3

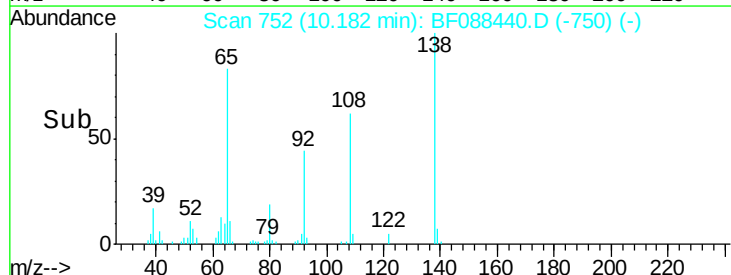
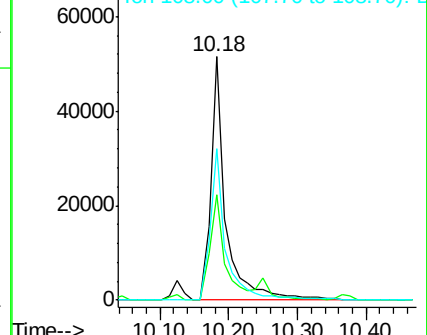
108 62.0 46.7 86.7

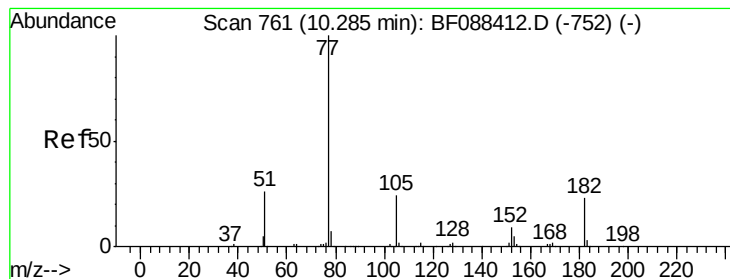


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 42.22 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.30 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 77 Resp: 406359

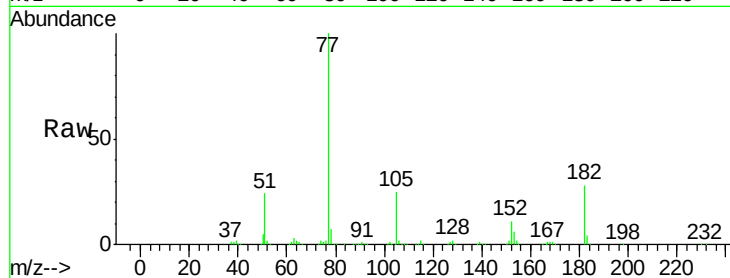
Ion Ratio Lower Upper

77 100

182 27.7 4.4 44.4

105 24.7 3.8 43.8

51 24.2 9.3 49.3

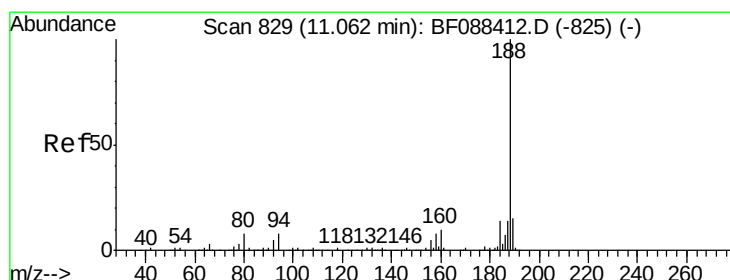
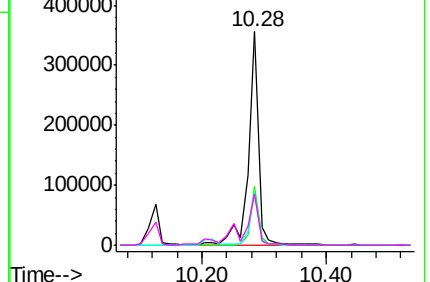
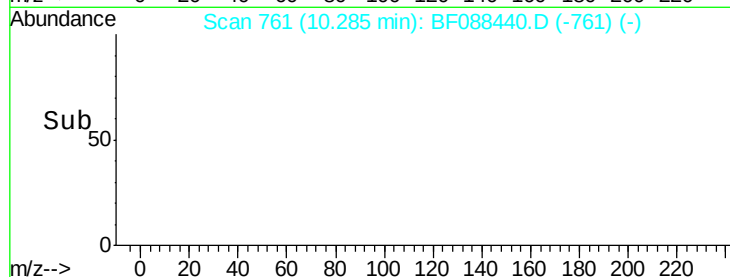


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.05 min Scan# 828

Delta R.T. -0.31 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

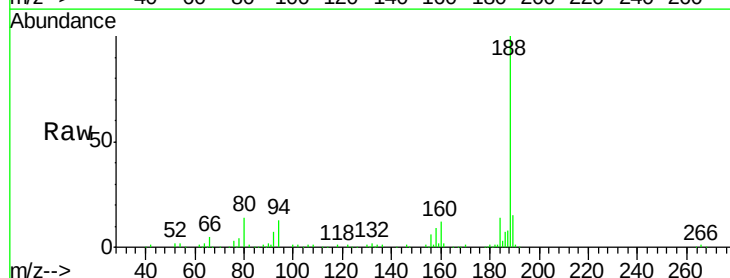
Tgt Ion: 188 Resp: 231521

Ion Ratio Lower Upper

188 100

94 13.1 9.0 13.6

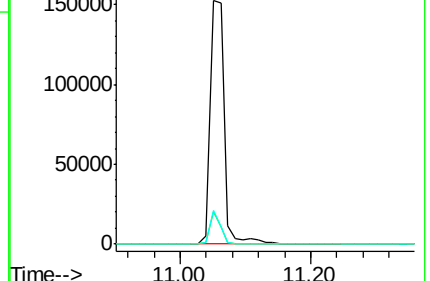
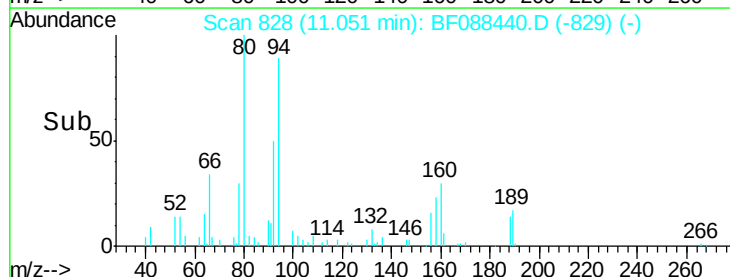
80 13.9 10.0 15.0



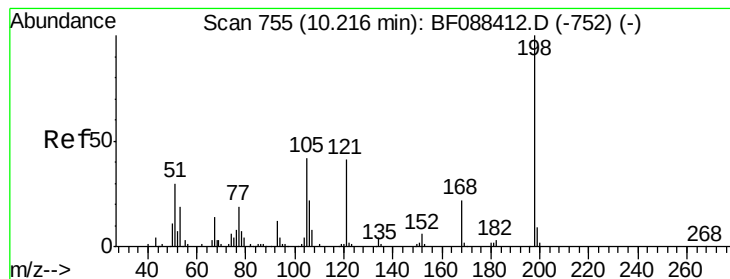
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0







#64

4,6-Dinitro-2-methylphenol

Concen: 26.49 ng

RT: 10.22 min Scan# 755

Delta R.T. -0.26 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampled :

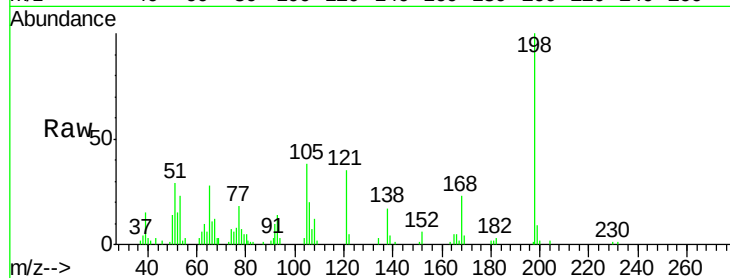
Tot Ion:198 Resp: 36827

Ion Ratio Lower Upper

198 100

51 28.6 39.6 79.6#

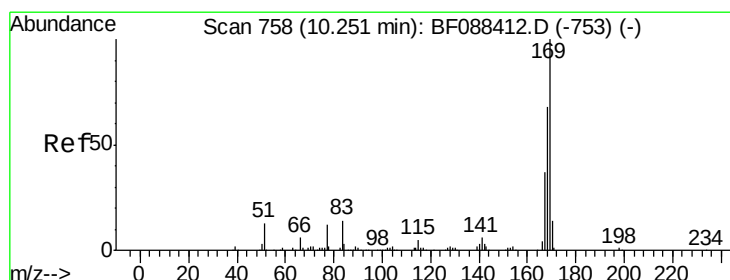
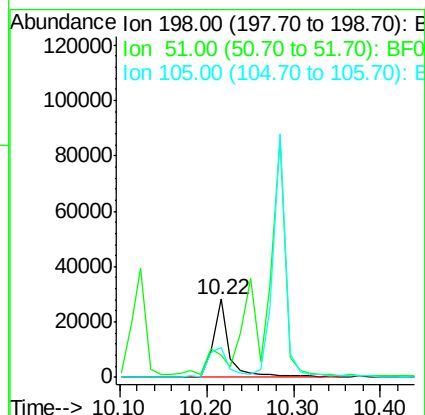
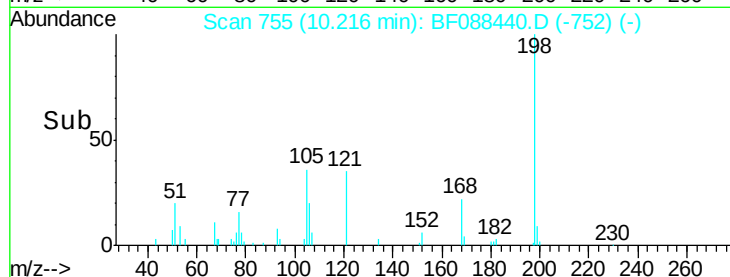
105 38.2 36.6 76.6



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 45.01 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.30 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

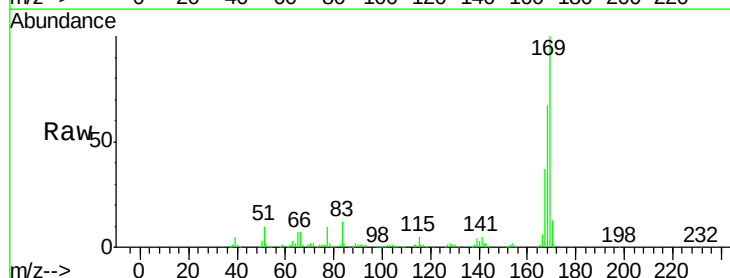
Tgt Ion:169 Resp: 345796

Ion Ratio Lower Upper

169 100

168 67.2 53.4 80.0

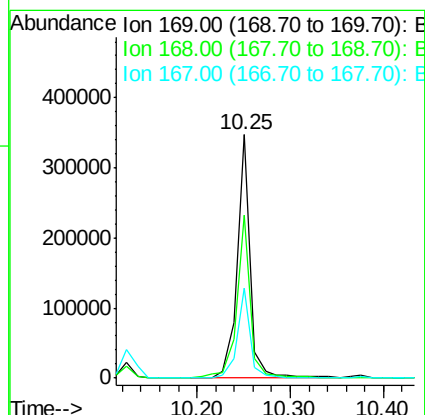
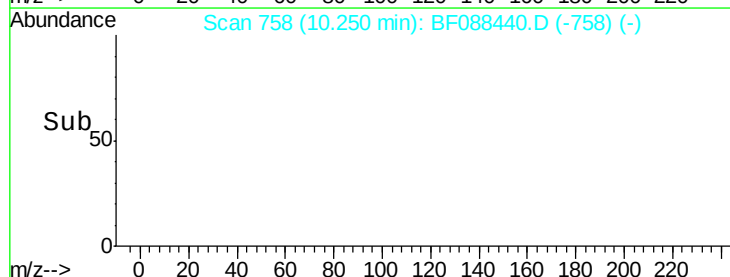
167 36.9 29.4 44.0

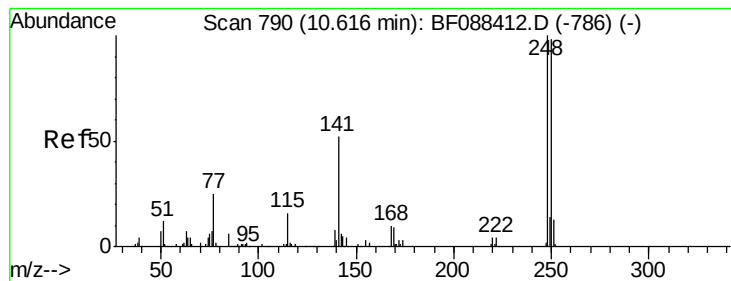


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

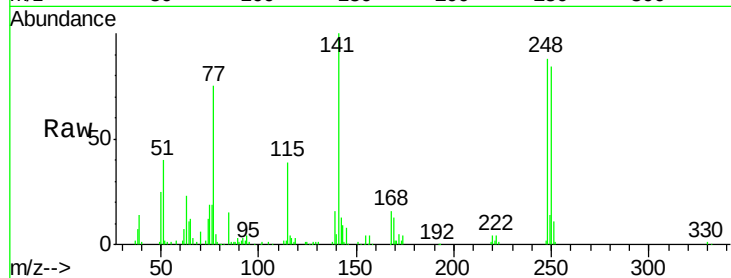




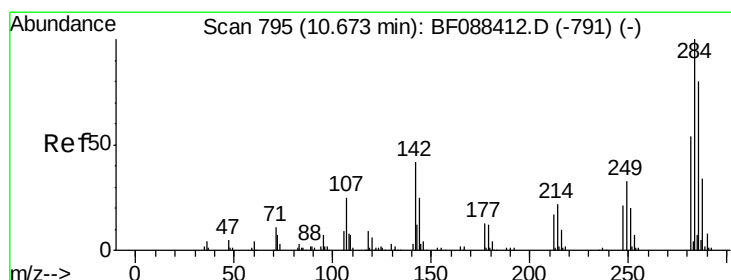
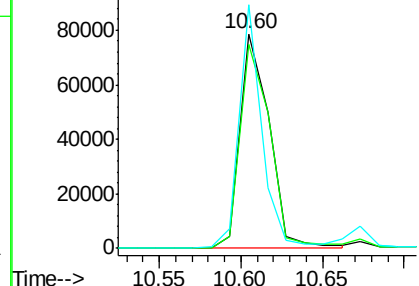
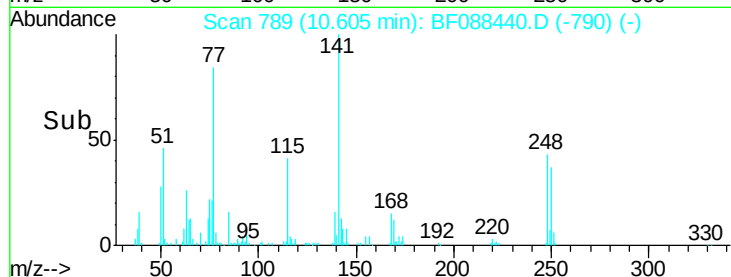
#66  
4-Bromophenyl-phenylether  
Concen: 39.32 ng  
RT: 10.60 min Scan# 789  
Delta R.T. -0.31 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:248 Resp: 97662  
Ion Ratio Lower Upper  
248 100  
250 95.3 77.1 115.7  
141 113.5 50.6 76.0#

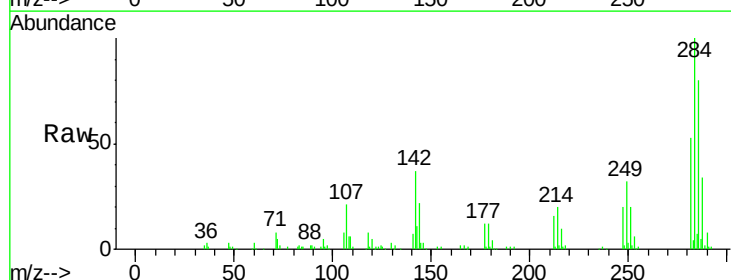


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

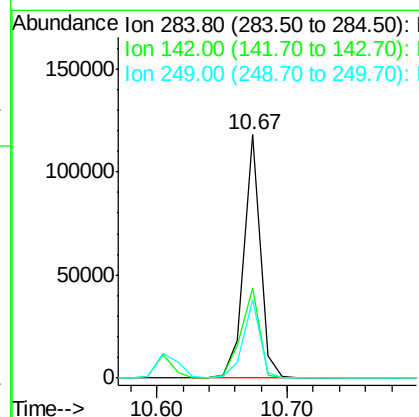
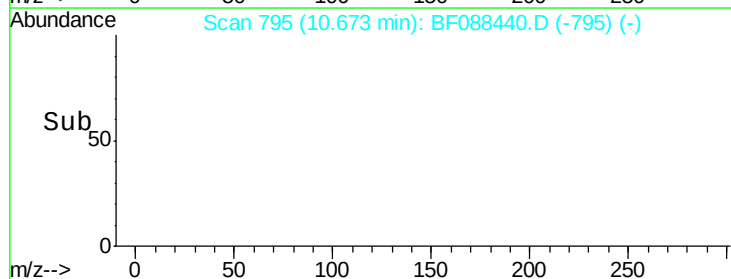


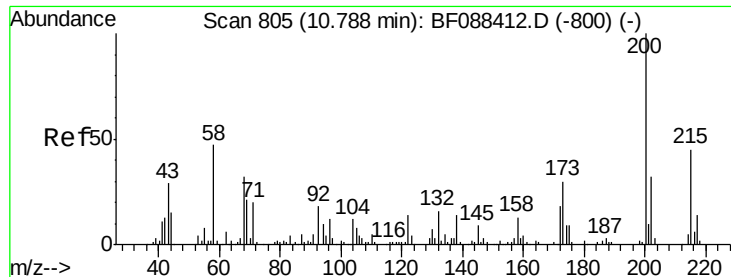
#67  
Hexachlorobenzene  
Concen: 40.01 ng  
RT: 10.67 min Scan# 795  
Delta R.T. -0.30 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion:284 Resp: 103249  
Ion Ratio Lower Upper  
284 100  
142 36.9 35.8 53.8  
249 32.2 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: 46.42 ng

RT: 10.79 min Scan# 805

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

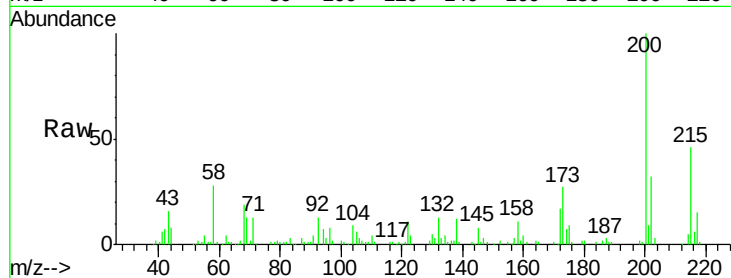
Tot Ion:200 Resp: 107985

Ion Ratio Lower Upper

200 100

173 27.2 4.0 44.0

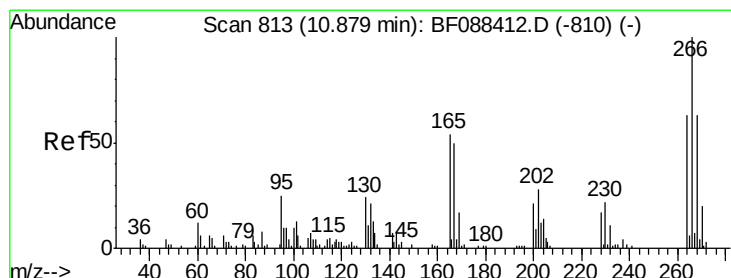
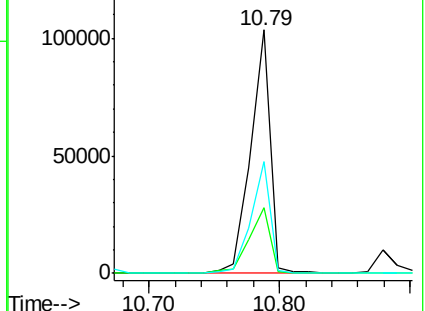
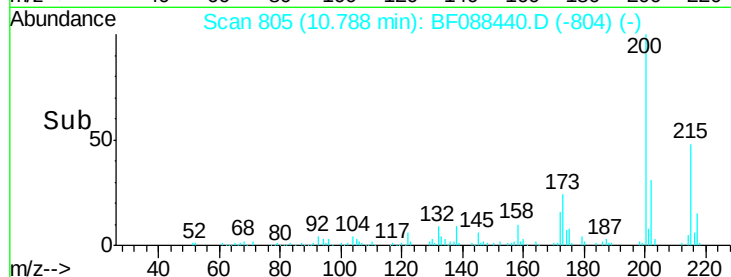
215 45.9 29.3 69.3



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: 55.21 ng

RT: 10.88 min Scan# 813

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

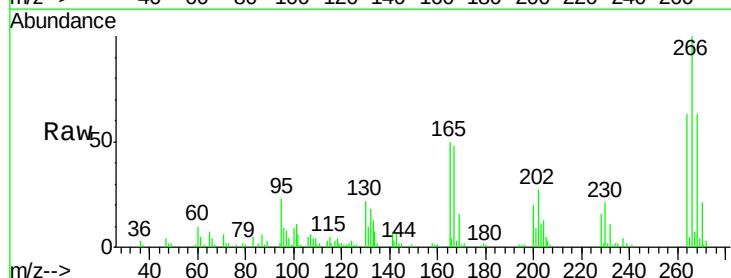
Tgt Ion:266 Resp: 75100

Ion Ratio Lower Upper

266 100

268 62.9 52.8 79.2

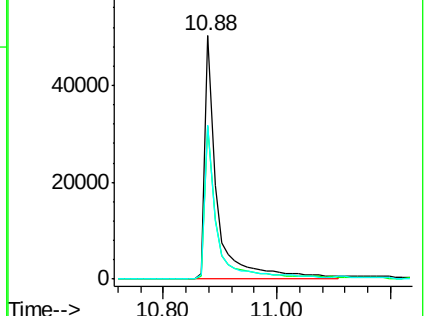
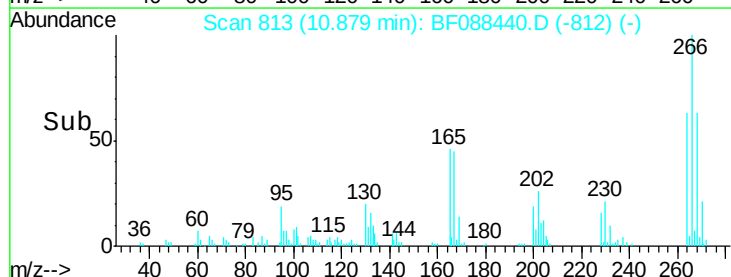
264 63.1 49.6 74.4

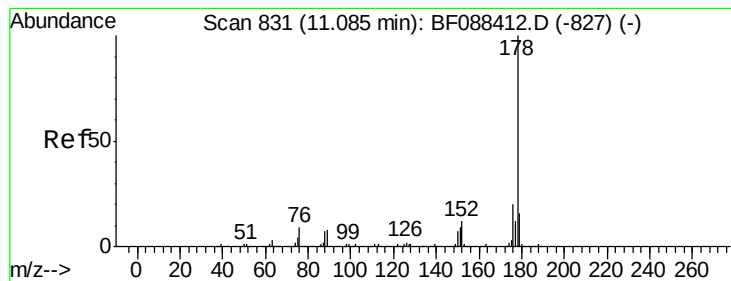


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 42.09 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.30 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

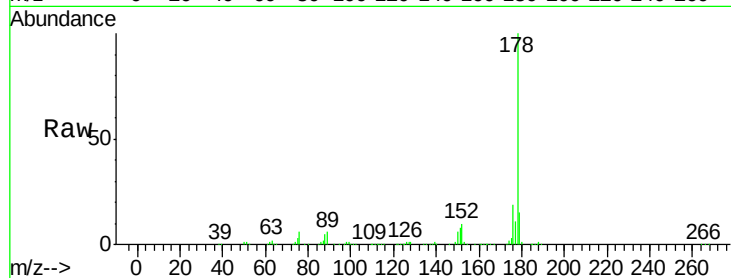
Tot Ion:178 Resp: 511293

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

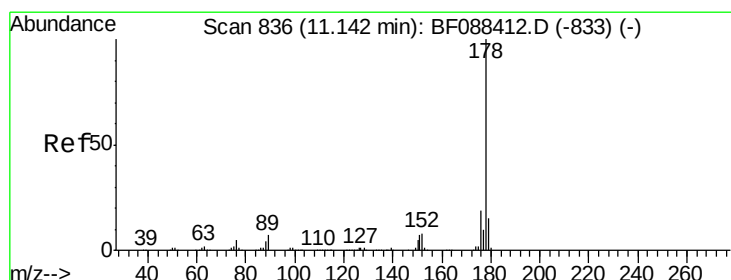
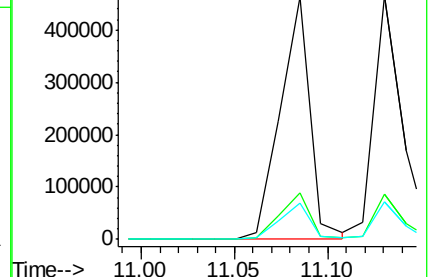
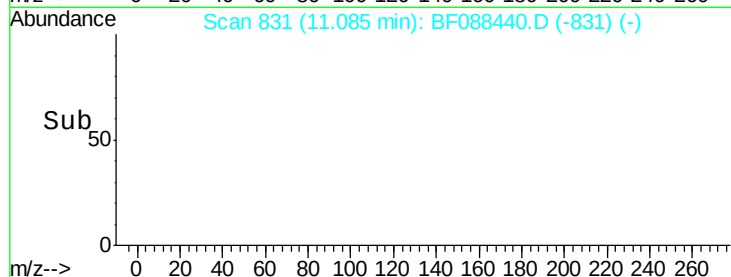
179 15.1 13.0 19.4



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: 41.22 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.31 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

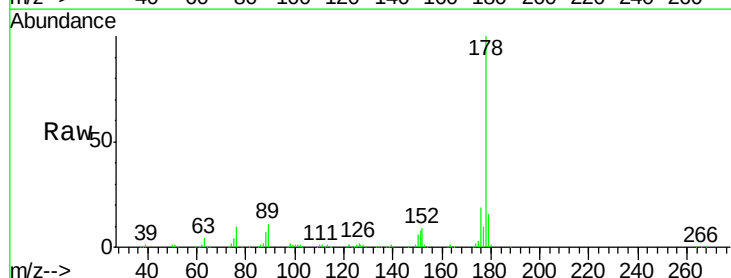
Tgt Ion:178 Resp: 505114

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

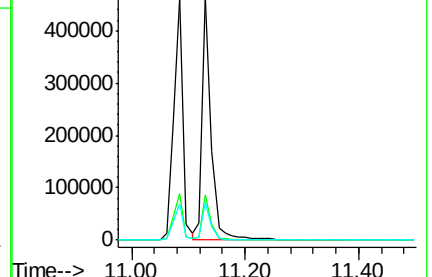
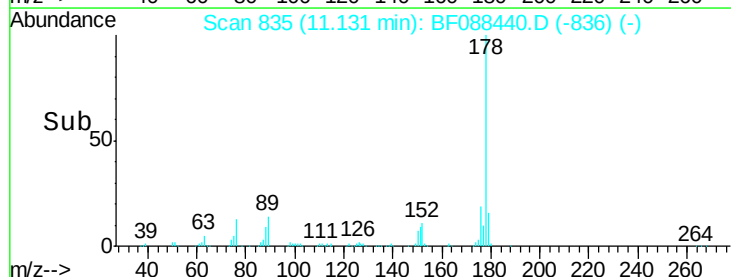
179 15.6 12.8 19.2

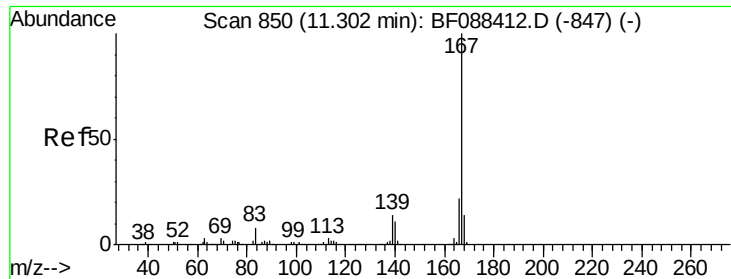


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 44.14 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.29 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

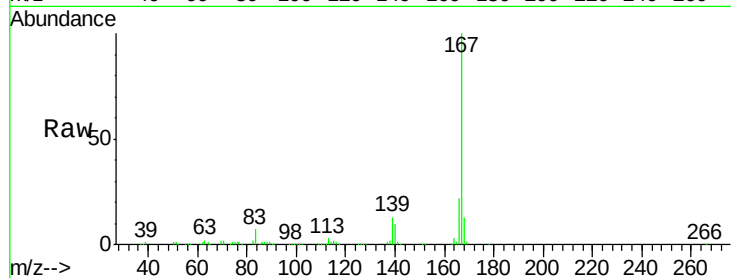
Tot Ion:167 Resp: 506136

Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.6

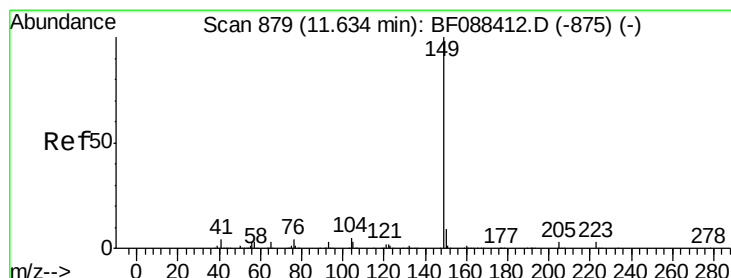
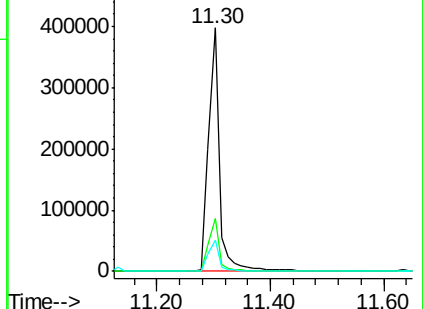
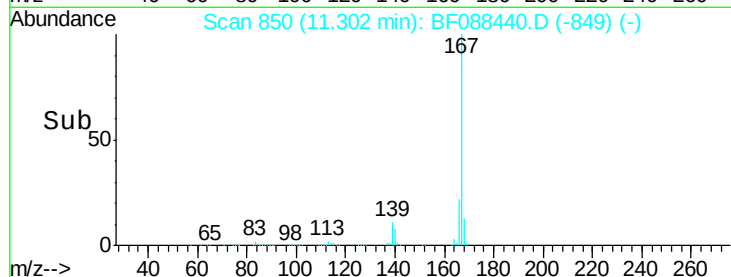
139 12.6 11.2 16.8



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: 45.30 ng

RT: 11.63 min Scan# 879

Delta R.T. -0.30 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

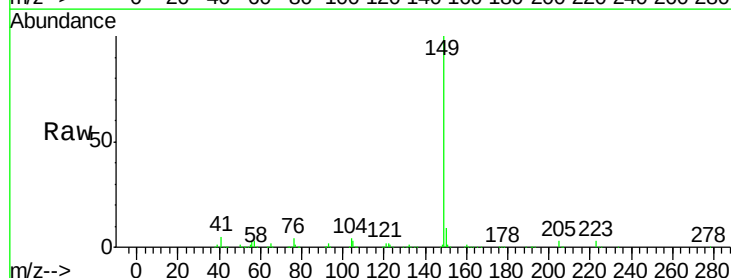
Tgt Ion:149 Resp: 657555

Ion Ratio Lower Upper

149 100

150 9.2 7.8 11.6

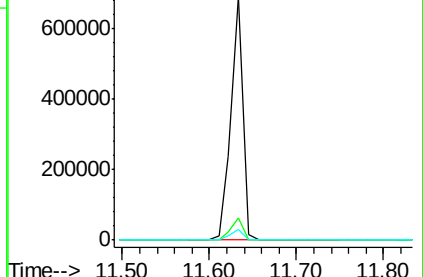
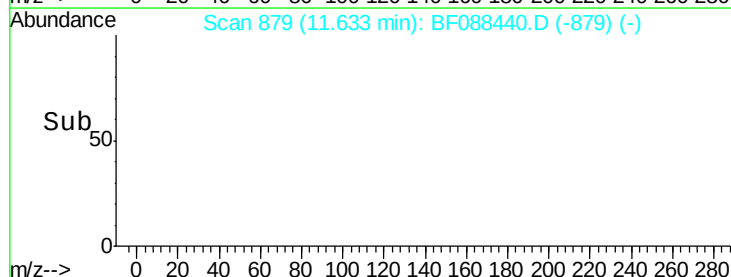
104 4.3 4.0 6.0

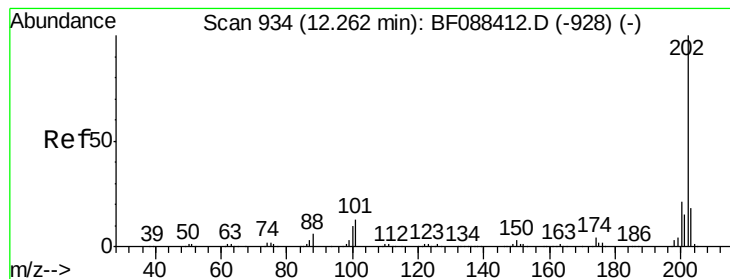


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 37.40 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.31 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

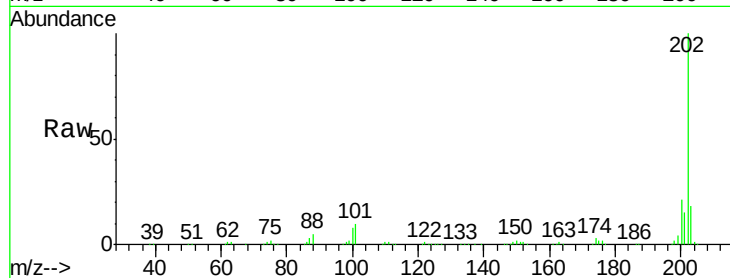
Tot Ion:202 Resp: 479472

Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.1

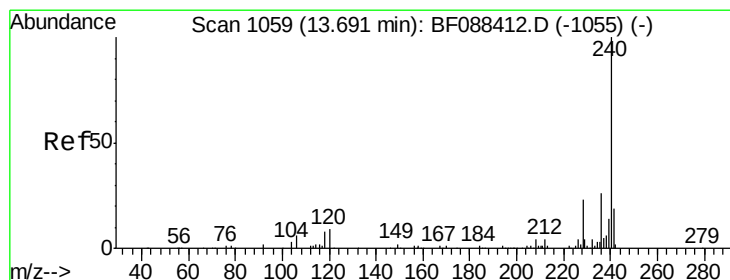
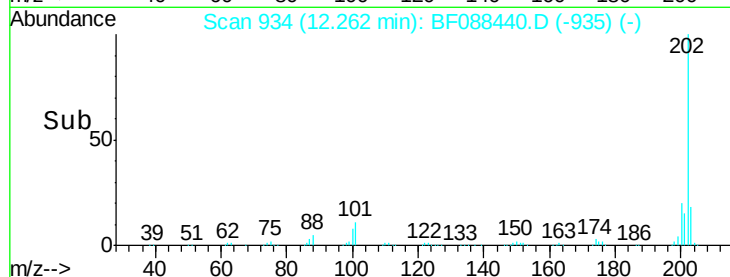
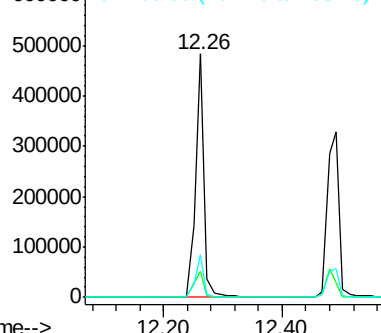
203 17.6 0.0 38.1



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: 13.68 min Scan# 1058

Delta R.T. -0.31 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

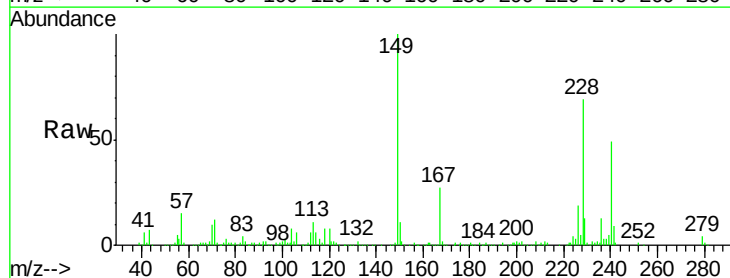
Tgt Ion:240 Resp: 140922

Ion Ratio Lower Upper

240 100

120 17.0 6.8 10.2#

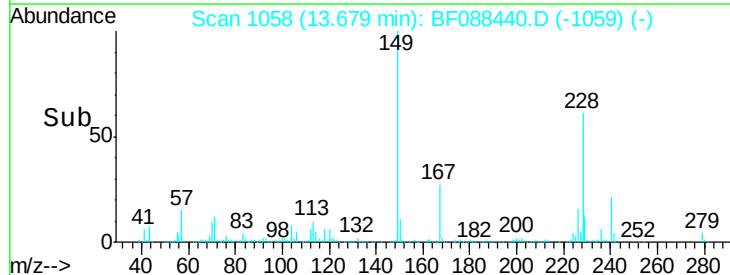
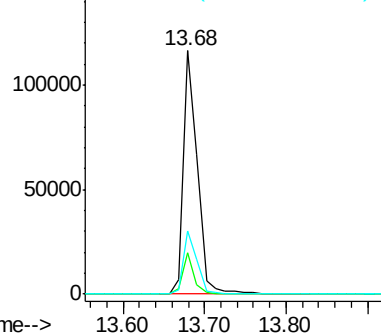
236 25.9 20.2 30.2

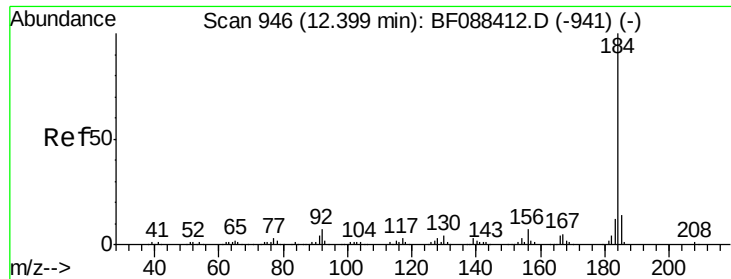


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

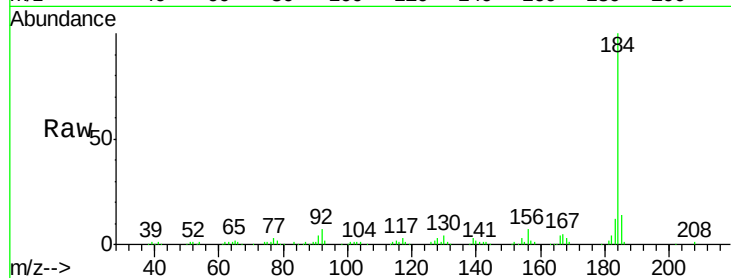




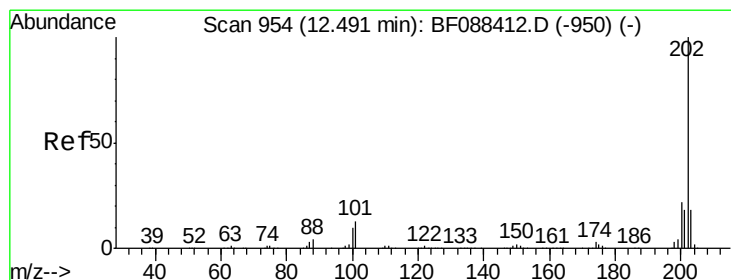
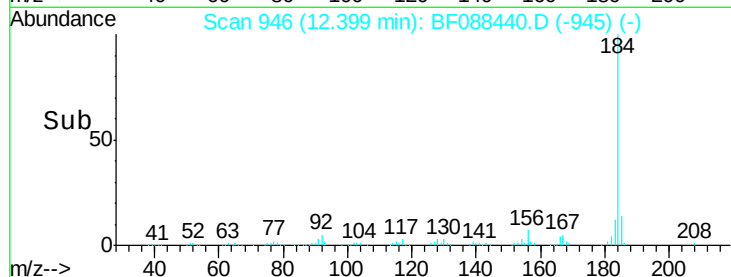
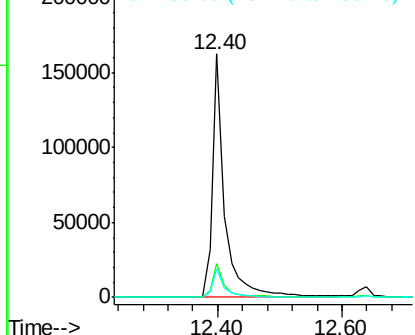
#76  
Benzidine  
Concen: 56.73 ng  
RT: 12.40 min Scan# 946  
Delta R.T. -0.29 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:184 Resp: 221372  
Ion Ratio Lower Upper  
184 100  
185 14.0 12.5 18.7  
183 11.6 9.3 13.9

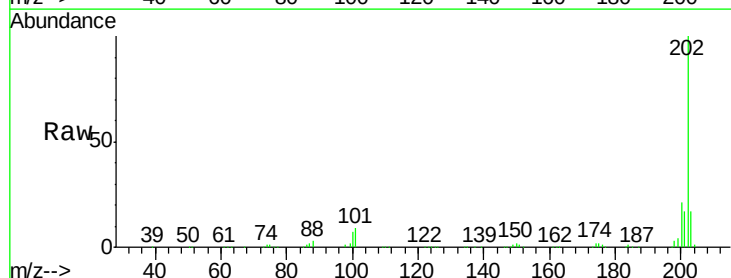


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E

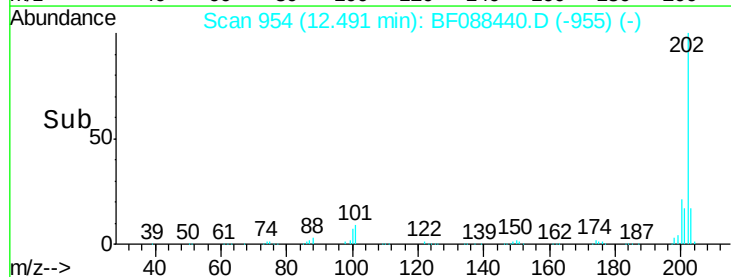
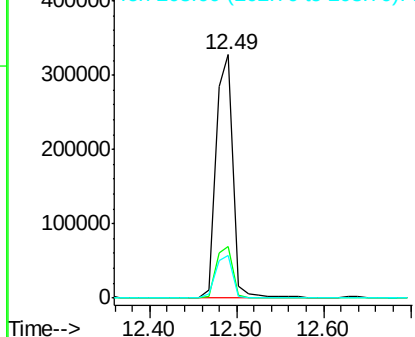


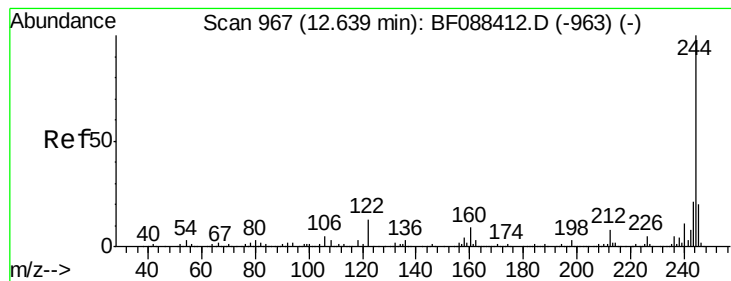
#77  
Pyrene  
Concen: 42.98 ng  
RT: 12.49 min Scan# 954  
Delta R.T. -0.31 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion:202 Resp: 449417  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.4 26.2  
203 17.3 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: 90.22 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.31 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

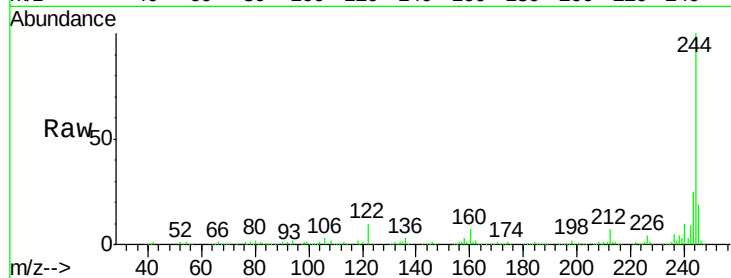
Tot Ion:244 Resp: 558716

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

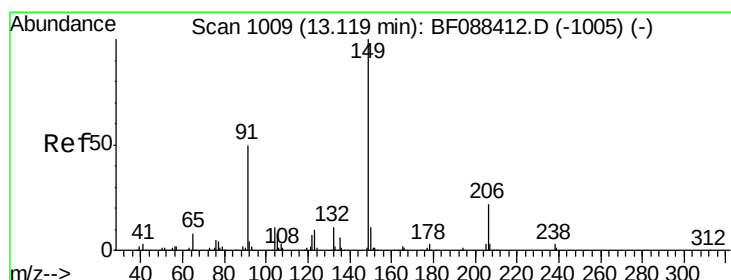
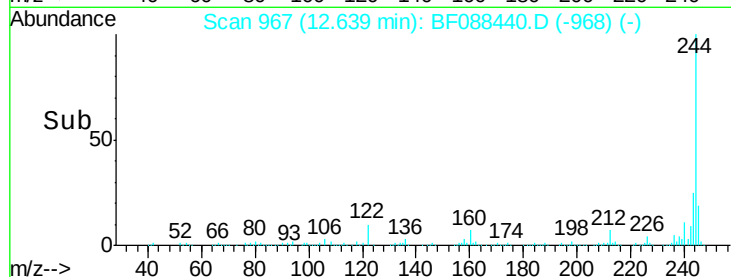
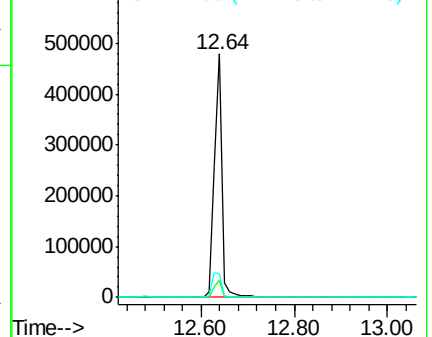
122 9.7 11.2 16.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 49.26 ng

RT: 13.11 min Scan# 1008

Delta R.T. -0.31 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

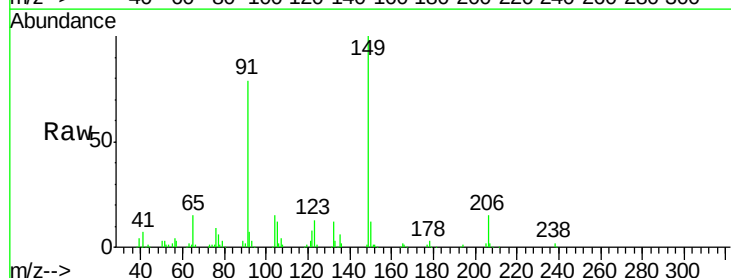
Tgt Ion:149 Resp: 227739

Ion Ratio Lower Upper

149 100

91 79.0 48.0 72.0#

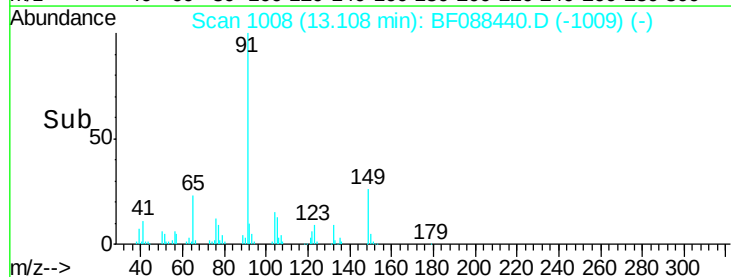
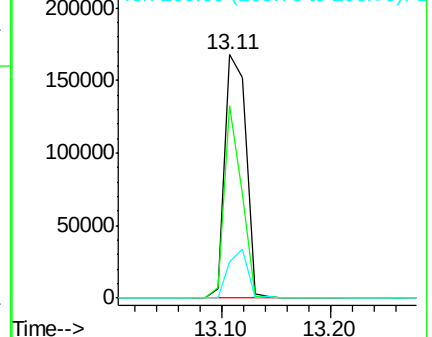
206 14.7 16.0 24.0#



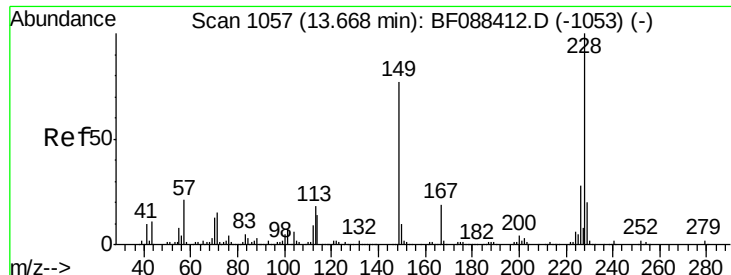
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E







#80

Benzo(a)anthracene

Concen: 42.25 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.31 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

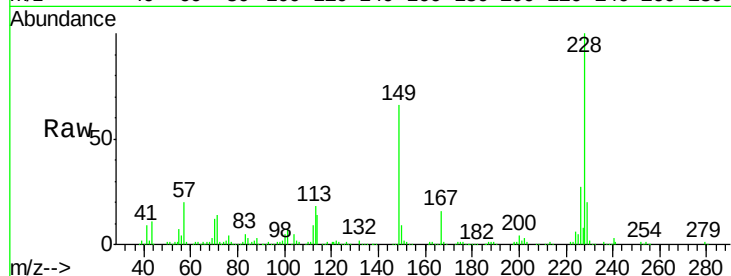
Tot Ion:228 Resp: 339322

Ion Ratio Lower Upper

228 100

226 27.5 22.3 33.5

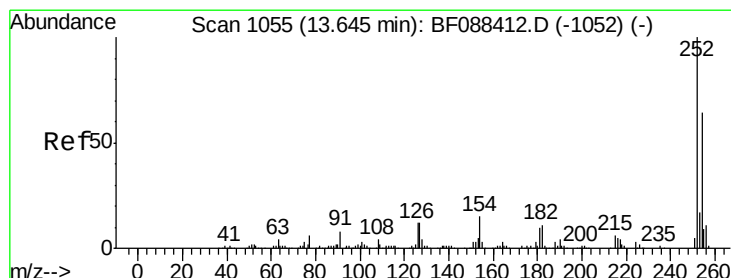
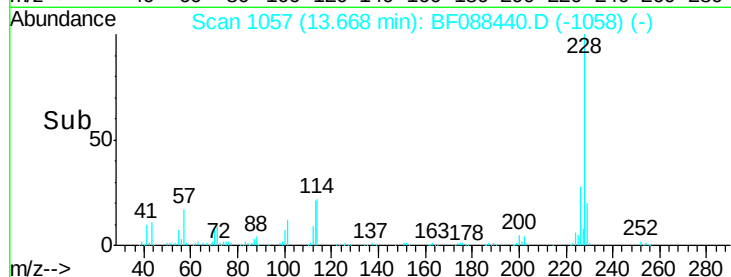
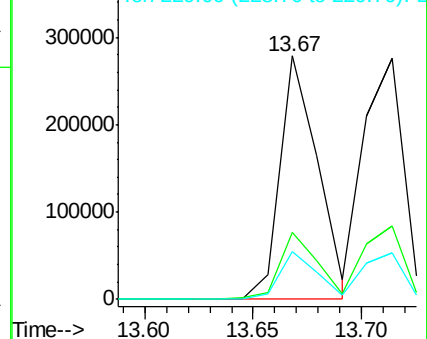
229 19.8 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 45.92 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.30 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

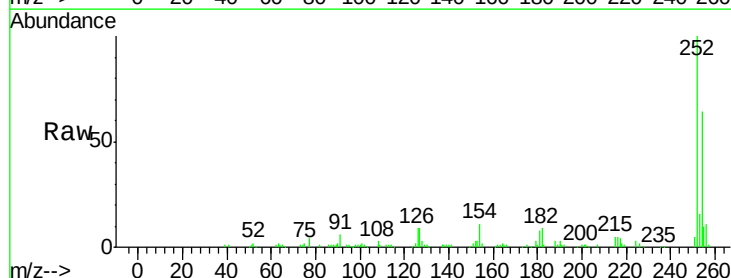
Tgt Ion:252 Resp: 99176

Ion Ratio Lower Upper

252 100

254 64.3 52.6 78.8

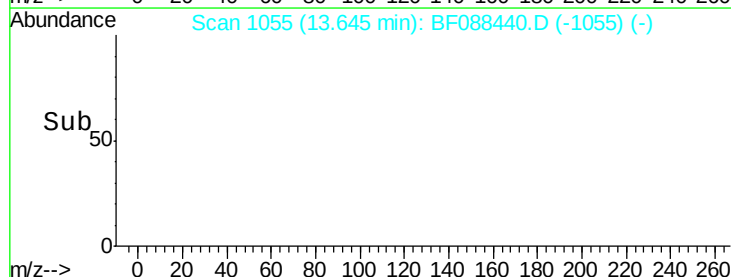
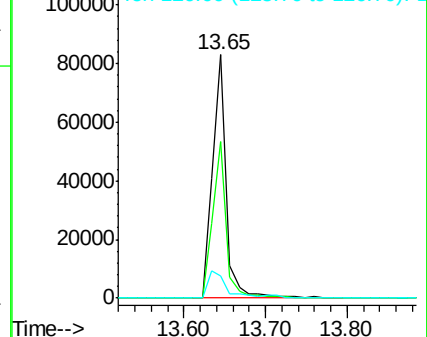
126 9.0 6.2 9.2

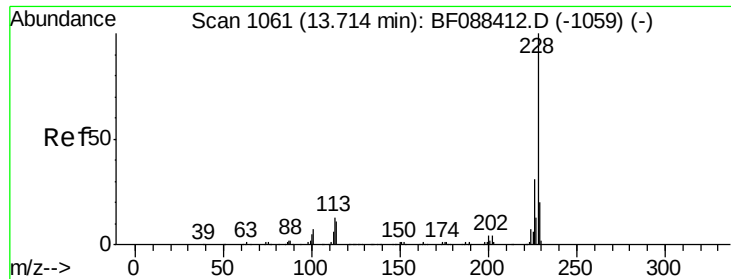


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

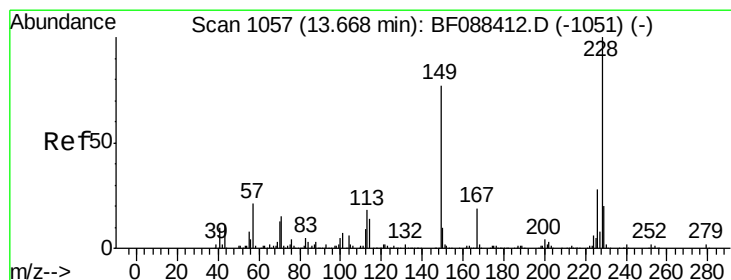
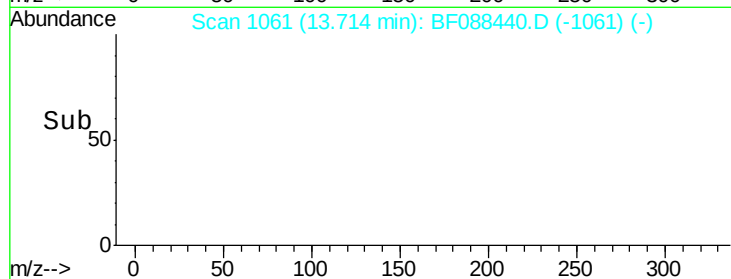
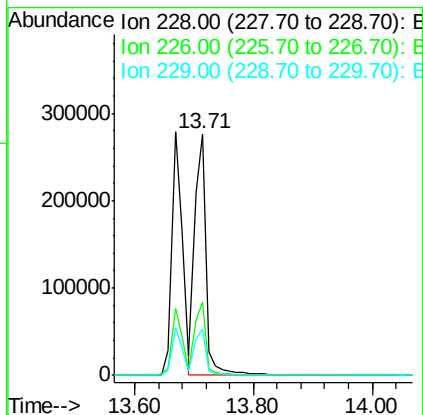
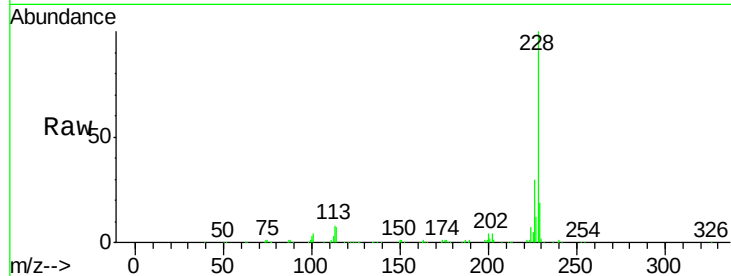




#82  
Chrysene  
Concen: 49.94 ng  
RT: 13.71 min Scan# 1061  
Delta R.T. -0.30 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

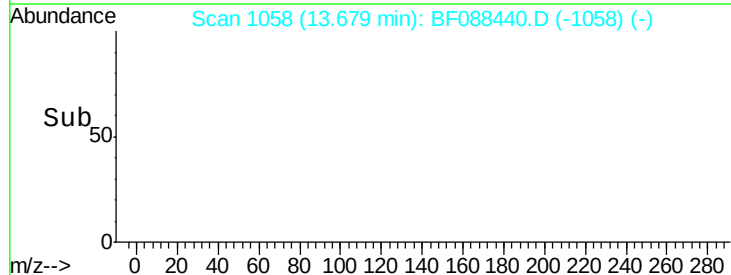
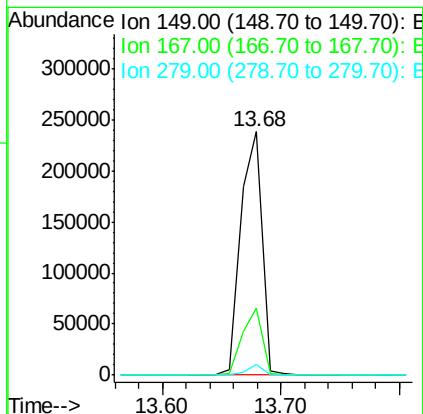
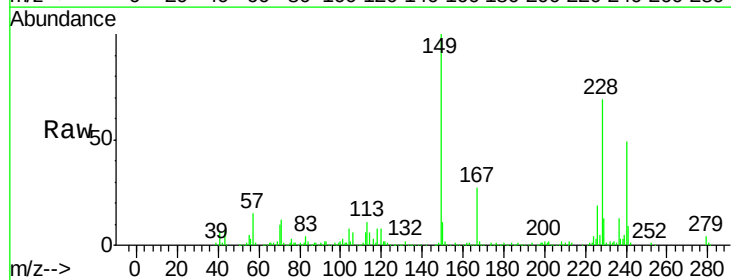
Instrument :  
BNA\_G  
ClientSampleId :

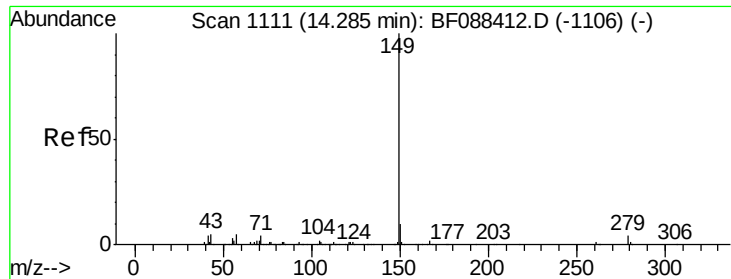
Tot Ion:228 Resp: 377272  
Ion Ratio Lower Upper  
228 100  
226 30.2 25.4 38.2  
229 19.1 16.3 24.5



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 53.06 ng  
RT: 13.68 min Scan# 1058  
Delta R.T. -0.30 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion:149 Resp: 298624  
Ion Ratio Lower Upper  
149 100  
167 27.4 20.5 30.7  
279 4.3 2.0 3.0#





#84

Di-n-octyl phthalate

Concen: 58.69 ng

RT: 14.29 min Scan# 1111

Delta R.T. -0.30 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

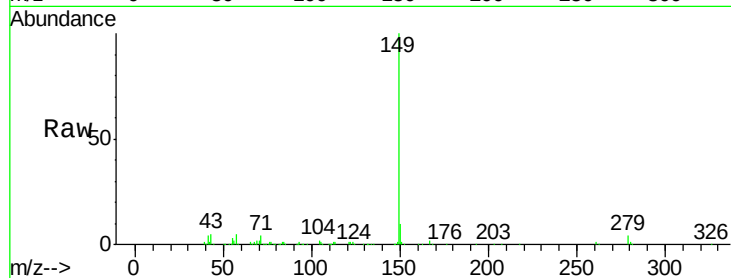
Tot Ion:149 Resp: 536714

Ion Ratio Lower Upper

149 100

167 1.6 0.0 0.0#

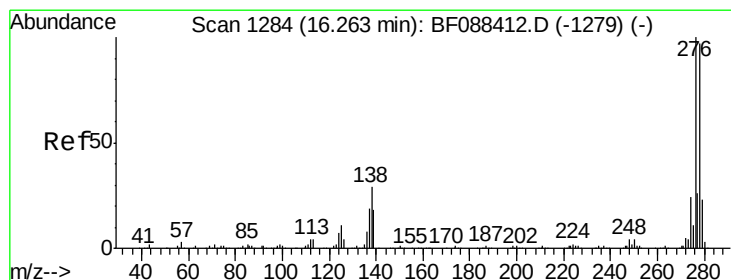
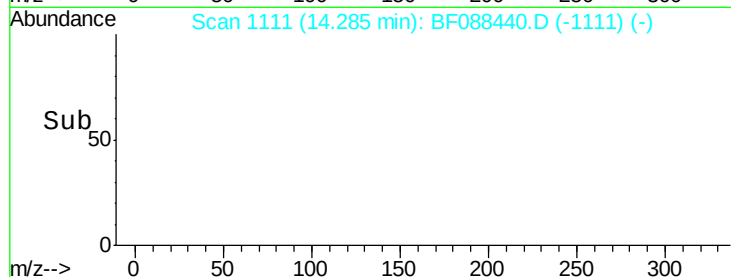
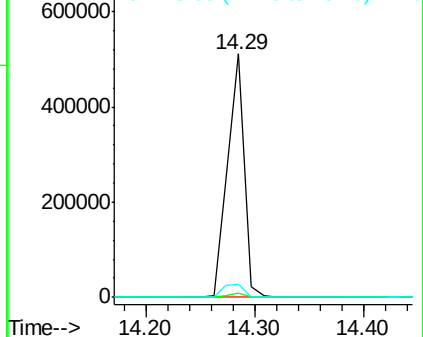
43 7.0 0.0 0.0#



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: 41.61 ng

RT: 16.26 min Scan# 1284

Delta R.T. -0.53 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

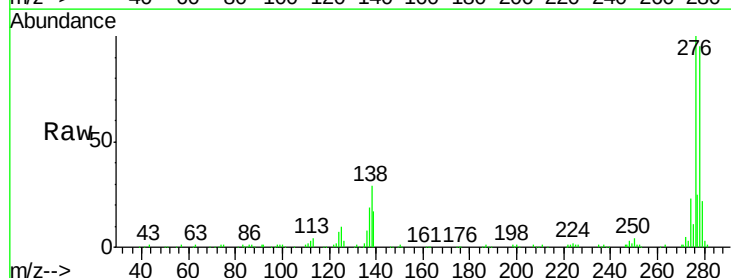
Tgt Ion:276 Resp: 292105

Ion Ratio Lower Upper

276 100

138 30.7 0.0 0.0#

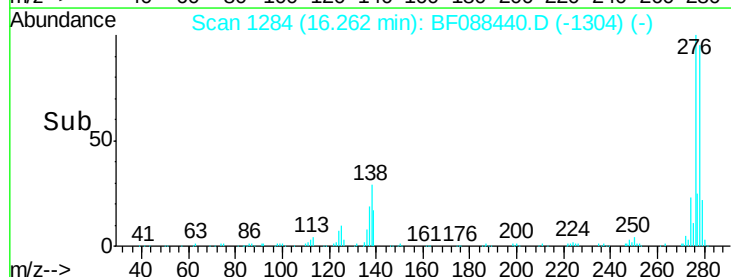
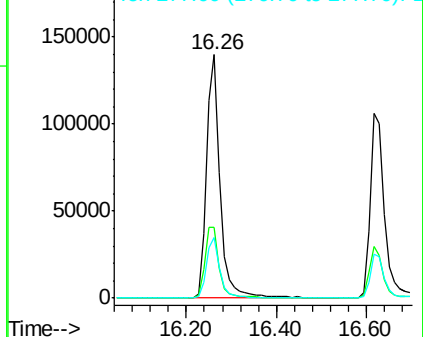
277 24.9 0.0 0.0#

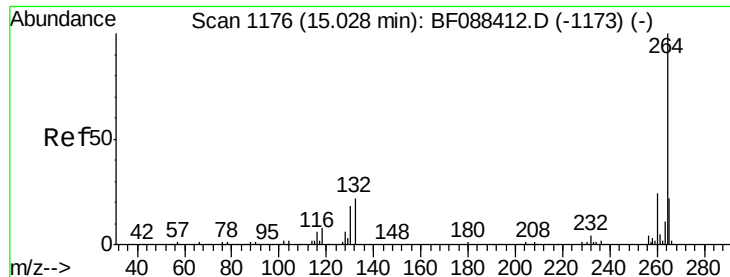


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

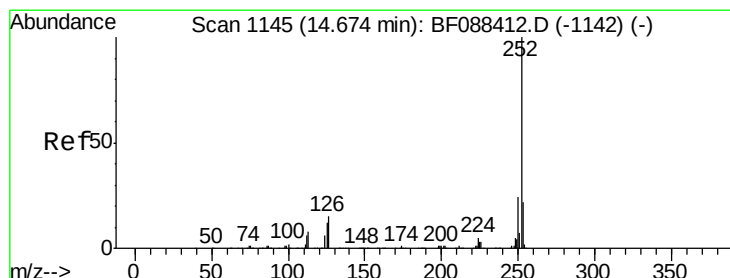
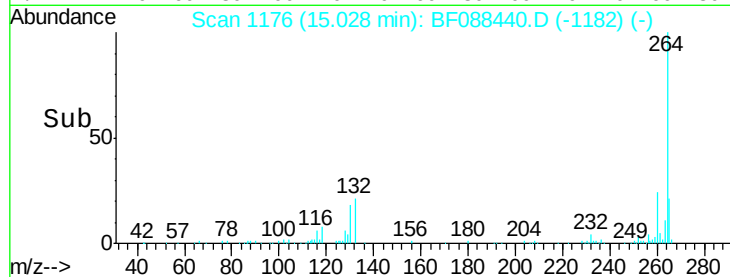
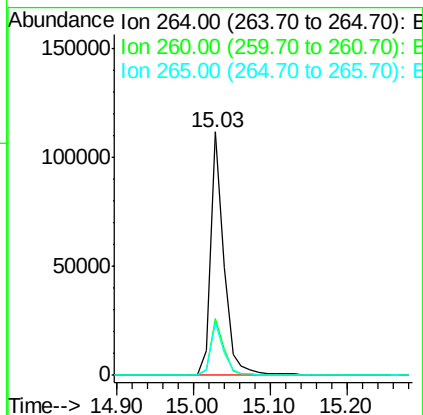
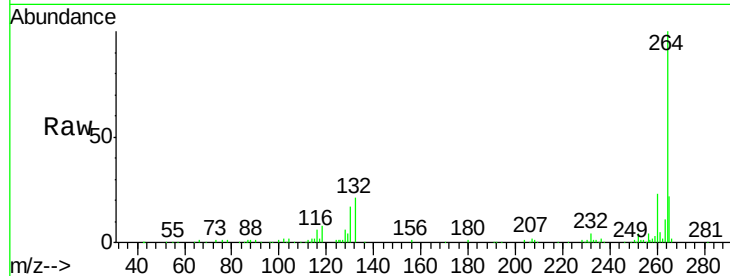




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.03 min Scan# 1176  
Delta R.T. -0.37 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

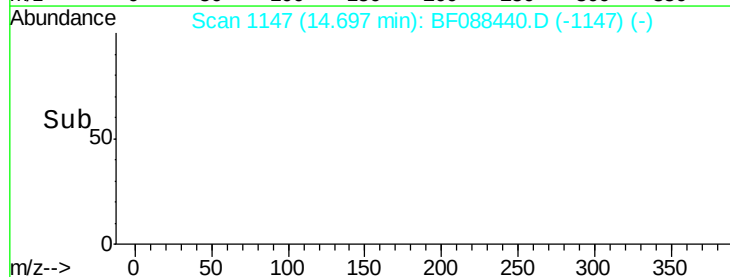
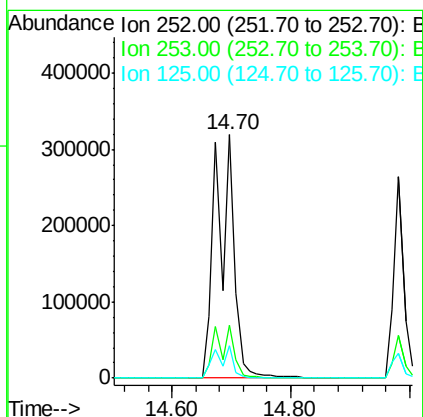
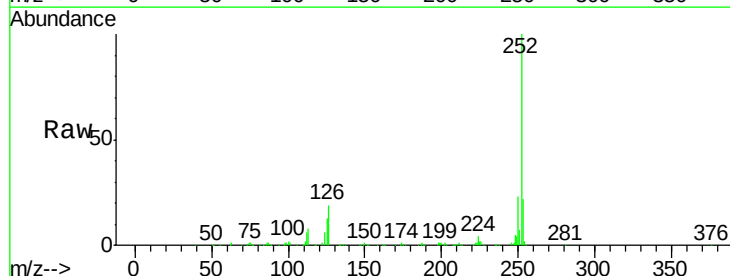
Instrument :  
BNA\_G  
ClientSampled :

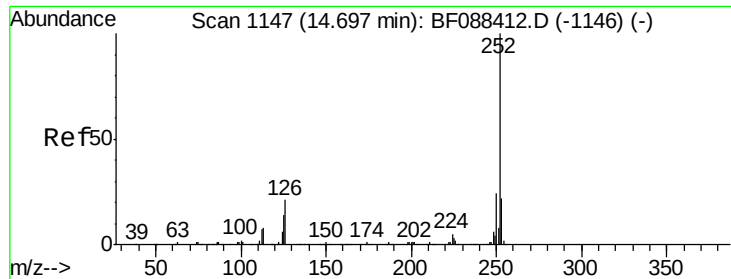
Tot Ion:264 Resp: 132979  
Ion Ratio Lower Upper  
264 100  
260 23.5 19.2 28.8  
265 21.6 16.9 25.3



#87  
Benzo(b)fluoranthene  
Concen: 73.36 ng  
RT: 14.70 min Scan# 1147  
Delta R.T. -0.30 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion:252 Resp: 679976  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.4 26.2  
125 13.2 7.1 10.7#

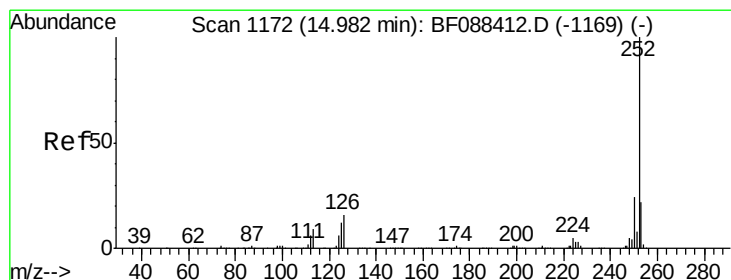
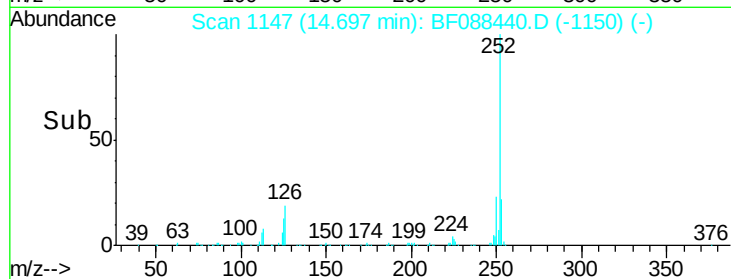
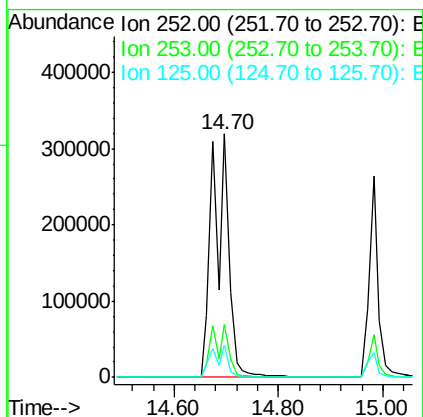
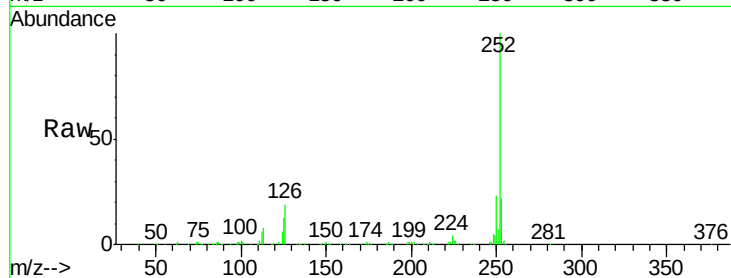




#88  
Benzo(k)fluoranthene  
Concen: 97.42 ng  
RT: 14.70 min Scan# 1147  
Delta R.T. -0.33 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

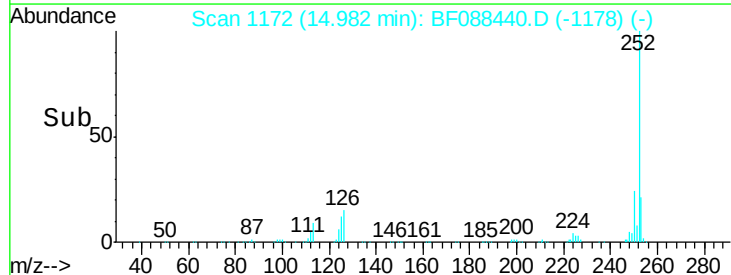
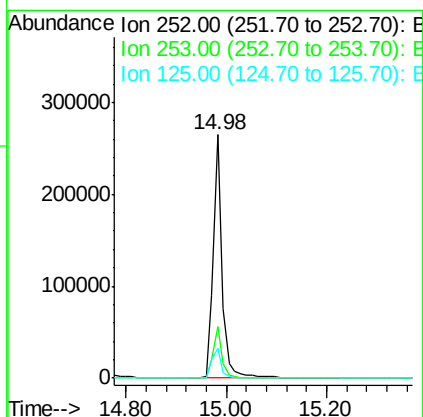
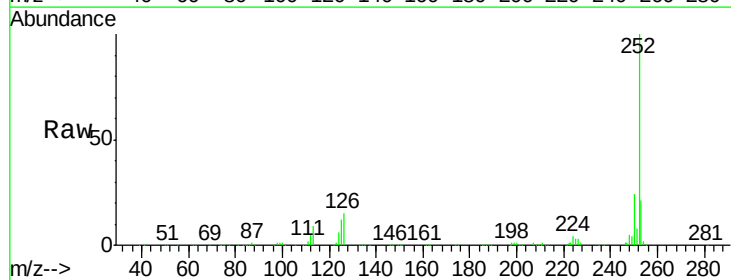
Instrument :  
BNA\_G  
ClientSampleId :

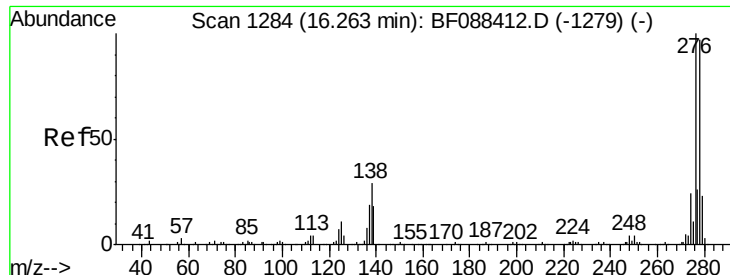
Tot Ion:252 Resp: 681121  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.0 27.0  
125 13.2 11.2 16.8



#89  
Benzo(a)pyrene  
Concen: 42.96 ng  
RT: 14.98 min Scan# 1172  
Delta R.T. -0.37 min  
Lab File: BF088440.D  
Acq: 27 Jun 2016 6:30

Tgt Ion:252 Resp: 322147  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.9 26.9  
125 12.0 12.5 18.7#





#90

Dibenzo(a,h)anthracene

Concen: 36.26 ng

RT: 16.26 min Scan# 1284

Delta R.T. -0.54 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

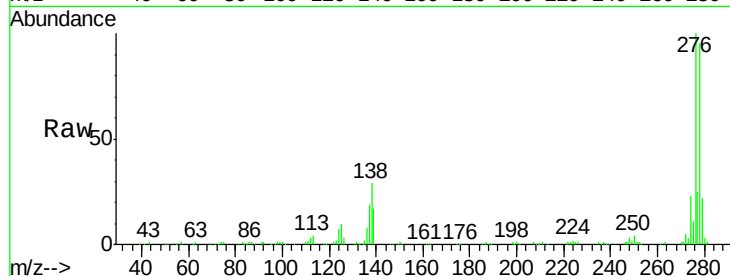
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:278 Resp: 252511

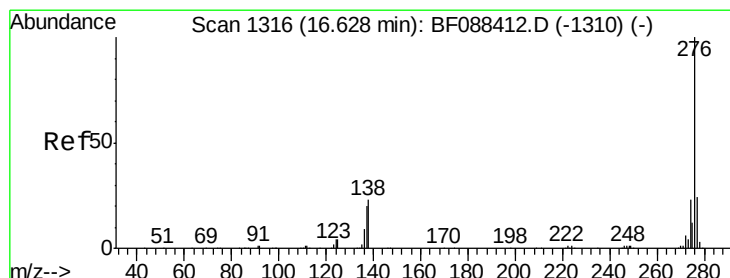
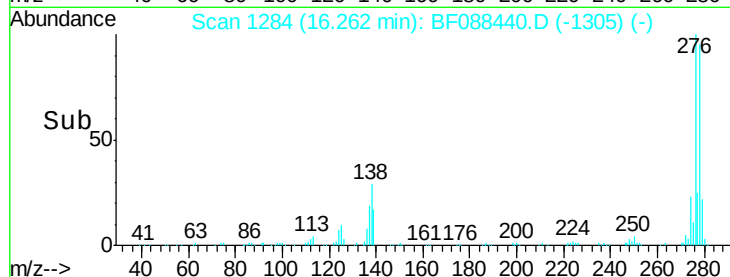
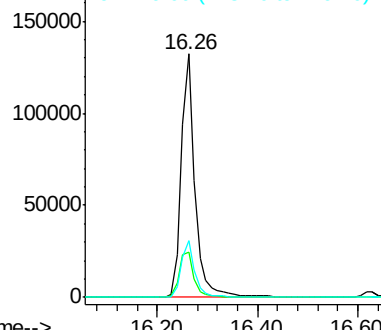
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 18.4  | 15.7  | 23.5  |
| 279 | 23.1  | 19.4  | 29.2  |



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: 33.42 ng

RT: 16.62 min Scan# 1315

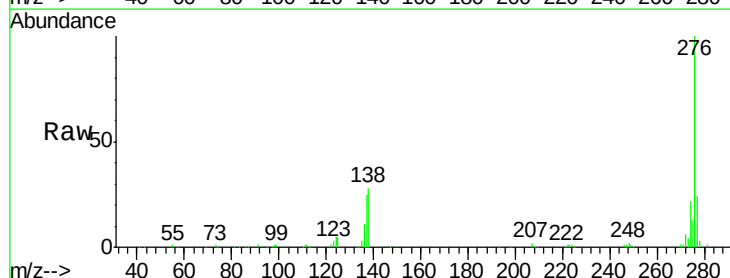
Delta R.T. -0.58 min

Lab File: BF088440.D

Acq: 27 Jun 2016 6:30

Tgt Ion:276 Resp: 239420

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.8  | 18.9  | 28.3  |
| 138 | 28.1  | 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

