

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070117\  
 Data File : BF096398.D  
 Acq On : 2 Jul 2017 00:16  
 Operator : SJ/MA  
 Sample : I3959-10MSD 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 03 01:53:15 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 01:43:12 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.73  | 152  | 98007    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.02  | 136  | 356890   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.76  | 164  | 131685   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.25 | 188  | 230830   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.87 | 240  | 213555   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.29 | 264  | 140784   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.34  | 112 | 191839 | 28.89 | ng | 0.00  |
| 7) Phenol-d6                | 6.36  | 99  | 272040 | 33.33 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.29  | 82  | 146275 | 24.63 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330 | 6663   | 6.48  | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.09  | 172 | 261421 | 33.94 | ng | -0.01 |
| 78) Terphenyl-d14           | 12.83 | 244 | 227967 | 22.81 | ng | 0.00  |

|                                |      |     |        |       |    |        |
|--------------------------------|------|-----|--------|-------|----|--------|
| Target Compounds               |      |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.39 | 88  | 32111  | 10.20 | ng | # 78   |
| 3) Pyridine                    | 3.11 | 79  | 72011  | 8.34  | ng | # 63   |
| 4) n-Nitrosodimethylamine      | 3.02 | 42  | 44039  | 10.33 | ng | # 84   |
| 6) Aniline                     | 6.39 | 93  | 88265  | 8.37  | ng | 96     |
| 8) 2-Chlorophenol              | 6.52 | 128 | 68290  | 9.64  | ng | 98     |
| 9) Benzaldehyde                | 6.27 | 77  | 29768  | 5.83  | ng | 94     |
| 10) Phenol                     | 6.37 | 94  | 97305  | 10.46 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 6.46 | 93  | 72677  | 10.11 | ng | 92     |
| 12) 1,3-Dichlorobenzene        | 6.67 | 146 | 82507  | 11.11 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.75 | 146 | 84751  | 11.42 | ng | 93     |
| 14) 1,2-Dichlorobenzene        | 6.90 | 146 | 79588  | 11.68 | ng | 96     |
| 15) Benzyl Alcohol             | 6.87 | 79  | 56973  | 10.44 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45  | 149026 | 10.20 | ng | 91     |
| 17) 2-Methylphenol             | 6.99 | 107 | 57736  | 10.23 | ng | 90     |
| 18) Hexachloroethane           | 7.25 | 117 | 19990  | 7.43  | ng | # 84   |
| 19) n-Nitroso-di-n-propylamine | 7.14 | 70  | 47633  | 9.79  | ng | # 80   |
| 20) 3+4-Methylphenols          | 7.14 | 107 | 69742  | 11.08 | ng | 92     |
| 22) Acetophenone               | 7.14 | 105 | 97183  | 12.46 | ng | # 96   |
| 24) Nitrobenzene               | 7.30 | 77  | 66903  | 10.74 | ng | 97     |
| 25) Isophorone                 | 7.55 | 82  | 117334 | 10.19 | ng | 95     |
| 26) 2-Nitrophenol              | 7.63 | 139 | 11368  | 3.45  | ng | # 87   |
| 27) 2,4-Dimethylphenol         | 7.67 | 122 | 63396  | 11.29 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93  | 84118  | 11.07 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.87 | 162 | 40562  | 8.37  | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 7.96 | 180 | 54657  | 11.96 | ng | 99     |
| 31) Naphthalene                | 8.03 | 128 | 200333 | 11.89 | ng | 99     |
| 33) 4-Chloroaniline            | 8.08 | 127 | 66046  | 9.44  | ng | 95     |
| 34) Hexachlorobutadiene        | 8.16 | 225 | 28320  | 12.08 | ng | 97     |
| 35) Caprolactam                | 8.40 | 113 | 14017  | 8.39  | ng | # 67   |
| 36) 4-Chloro-3-methylphenol    | 8.56 | 107 | 46484  | 8.67  | ng | 92     |
| 37) 2-Methylnaphthalene        | 8.73 | 142 | 125956 | 11.74 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.89 | 216 | 44297  | 12.96 | ng | 99     |
| 42) 2,4,6-Trichlorophenol      | 9.00 | 196 | 12480  | 4.61  | ng | 97     |
| 43) 2,4,5-Trichlorophenol      | 9.04 | 196 | 18357  | 6.86  | ng | 97     |

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 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

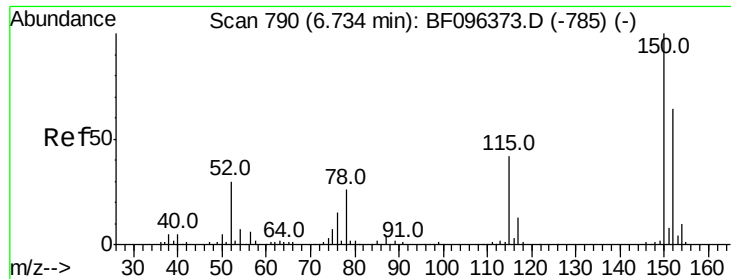
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 03 01:53:15 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 01:43:12 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 45) 1,1'-Biphenyl              | 9.19  | 154  | 135957   | 12.05 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.21  | 162  | 102339   | 12.17 | nq    | 96       |
| 47) 2-Nitroaniline             | 9.30  | 65   | 33202    | 10.85 | nq    | 96       |
| 48) Acenaphthylene             | 9.63  | 152  | 157586   | 11.83 | nq    | 99       |
| 49) Dimethylphthalate          | 9.49  | 163  | 150661   | 15.33 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.55  | 165  | 19193    | 8.83  | nq    | 93       |
| 51) Acenaphthene               | 9.80  | 154  | 92460    | 11.26 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.70  | 138  | 31954    | 11.79 | nq    | 97       |
| 54) Dibenzofuran               | 9.97  | 168  | 138598   | 12.78 | nq    | 98       |
| 55) 4-Nitrophenol              | 9.87  | 139  | 24324    | 10.82 | nq    | # 76     |
| 56) 2,4-Dinitrotoluene         | 9.95  | 165  | 21778    | 7.91  | nq    | # 93     |
| 57) Fluorene                   | 10.31 | 166  | 105795   | 13.81 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.09 | 232  | 6182     | 3.34  | nq    | # 75     |
| 59) Diethylphthalate           | 10.19 | 149  | 111061   | 11.95 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204  | 45643    | 13.70 | nq    | 91       |
| 61) 4-Nitroaniline             | 10.31 | 138  | 32641    | 13.24 | nq    | 86       |
| 62) Azobenzene                 | 10.46 | 77   | 100032   | 11.13 | nq    | 94       |
| 65) n-Nitrosodiphenylamine     | 10.42 | 169  | 94973    | 11.73 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.79 | 248  | 25750    | 11.46 | nq    | 97       |
| 67) Hexachlorobenzene          | 10.86 | 284  | 27926    | 11.35 | nq    | # 90     |
| 68) Atrazine                   | 10.95 | 200  | 26839    | 11.60 | nq    | 91       |
| 69) Pentachlorophenol          | 11.05 | 266  | 6700     | 4.60  | nq    | 92       |
| 70) Phenanthrene               | 11.27 | 178  | 167648   | 13.44 | nq    | 98       |
| 71) Anthracene                 | 11.32 | 178  | 167286   | 13.16 | nq    | 97       |
| 72) Carbazole                  | 11.47 | 167  | 160002   | 12.51 | nq    | 97       |
| 73) Di-n-butylphthalate        | 11.82 | 149  | 185759   | 11.99 | nq    | # 98     |
| 74) Fluoranthene               | 12.45 | 202  | 188923   | 15.44 | nq    | 95       |
| 76) Benzidine                  | 12.57 | 184  | 84872    | 8.28  | nq    | # 94     |
| 77) Pvrene                     | 12.68 | 202  | 201579   | 11.76 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.30 | 149  | 89878    | 10.36 | nq    | # 82     |
| 80) Benzo(a)anthracene         | 13.86 | 228  | 155829   | 12.60 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.83 | 252  | 48534    | 9.56  | nq    | # 93     |
| 82) Chrysene                   | 13.90 | 228  | 151135   | 11.67 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149  | 118855   | 12.27 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.48 | 149  | 213171   | 11.18 | nq    | # 96     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.64 | 276  | 88959    | 8.70  | nq    | 93       |
| 87) Benzo(b)fluoranthene       | 14.91 | 252  | 98777    | 11.20 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 14.88 | 252  | 122095   | 15.47 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.23 | 252  | 100141   | 12.72 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.66 | 278  | 72725    | 11.74 | nq    | # 93     |
| 91) Benzo(g,h,i)perylene       | 17.06 | 276  | 77593    | 12.09 | nq    | 97       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 790

Delta R.T. -0.00 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampled :

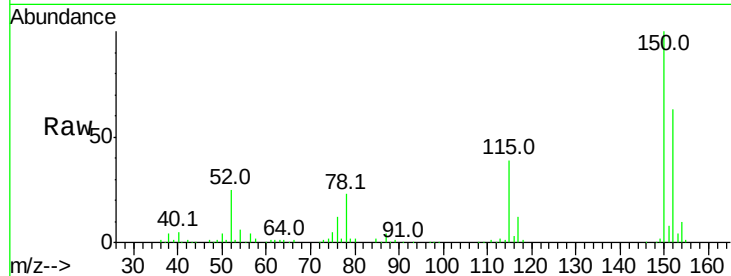
Tot Ion:152 Resp: 98007

Ion Ratio Lower Upper

152 100

150 159.9 126.2 189.2

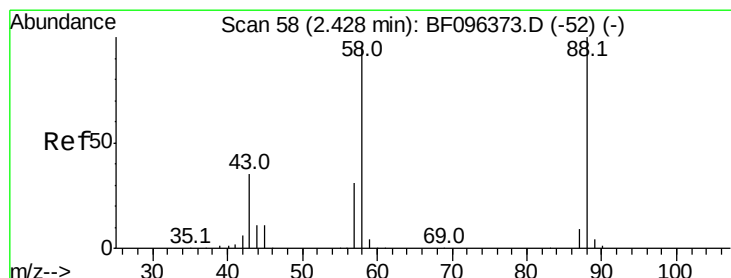
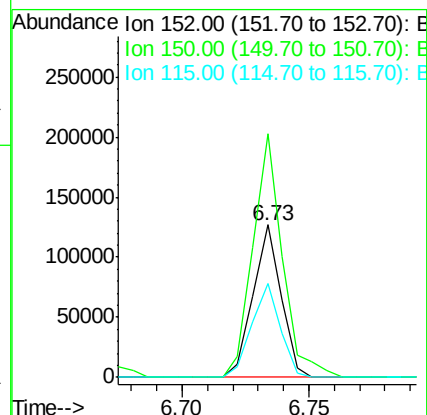
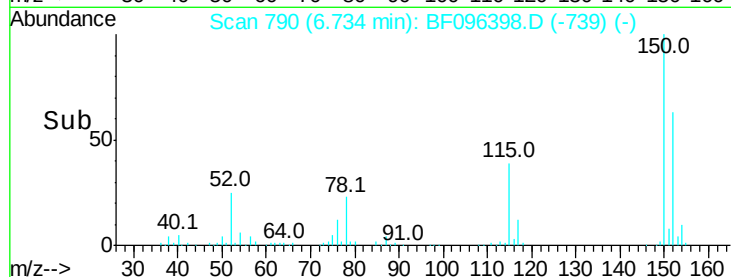
115 62.0 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 10.20 ng

RT: 2.39 min Scan# 52

Delta R.T. -0.04 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

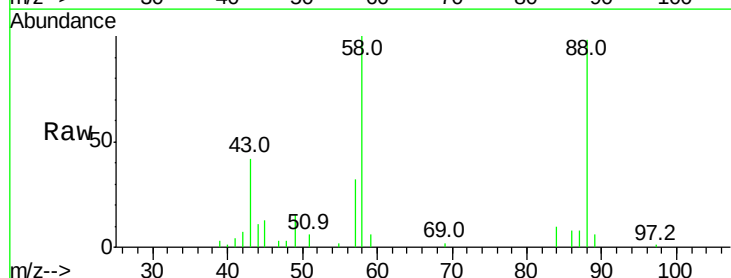
Tgt Ion: 88 Resp: 32111

Ion Ratio Lower Upper

88 100

58 97.7 61.4 92.0#

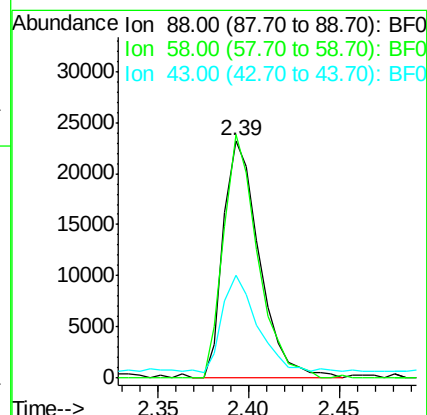
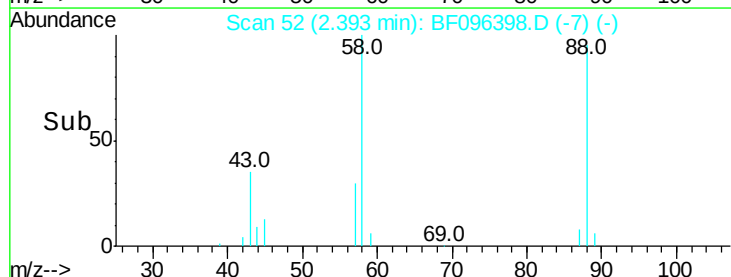
43 37.9 23.4 35.0#

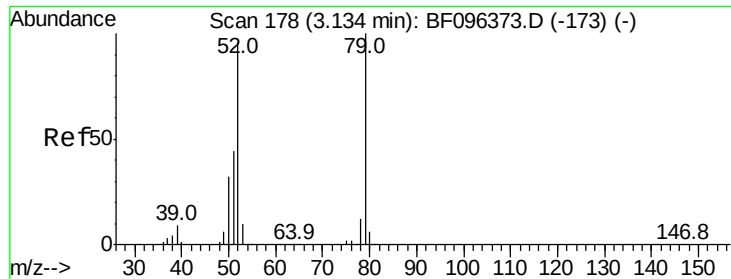


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

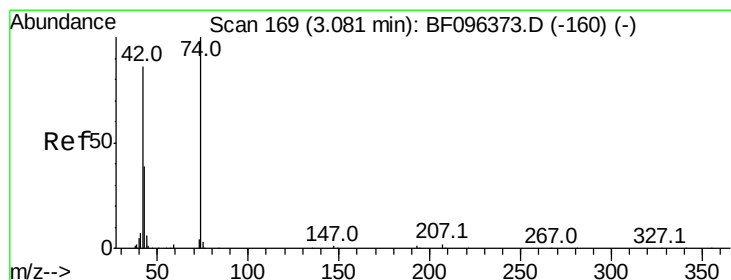
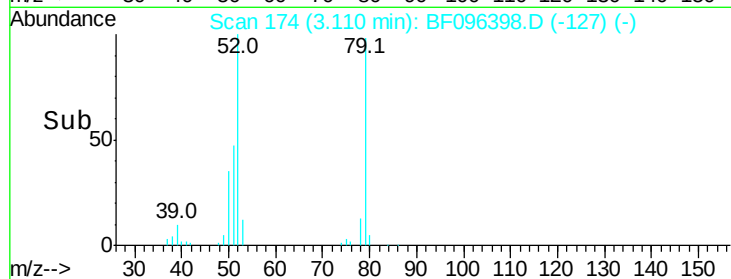
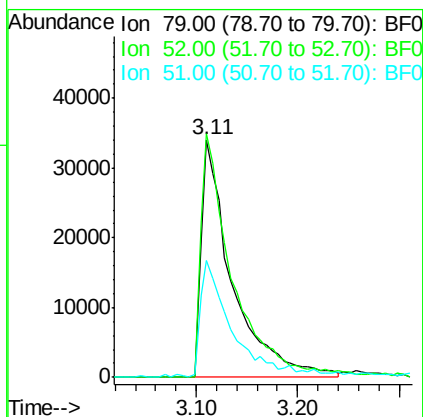
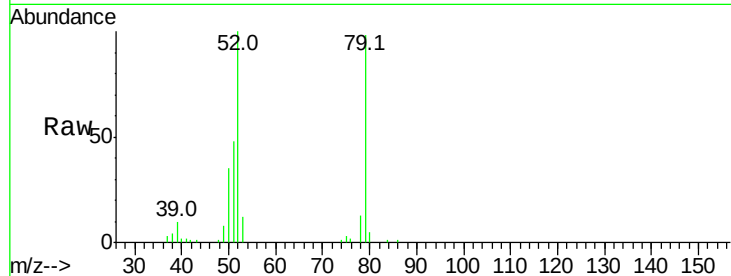




#3  
 Pvridine  
 Concen: 8.34 ng  
 RT: 3.11 min Scan# 174  
 Delta R.T. -0.02 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

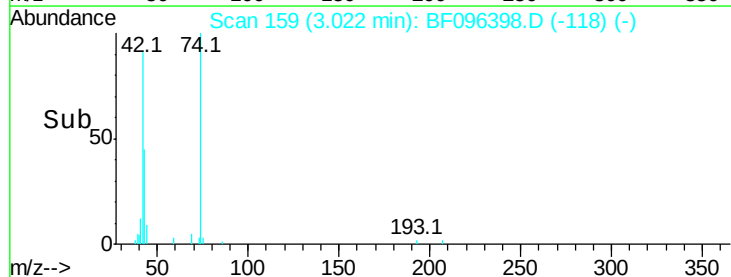
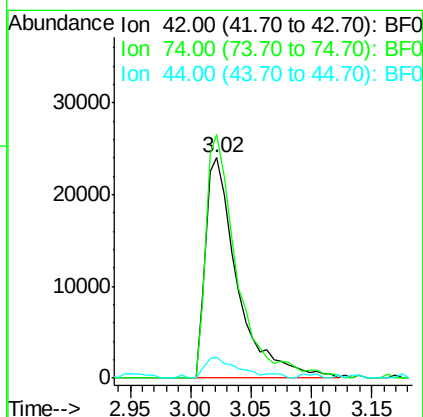
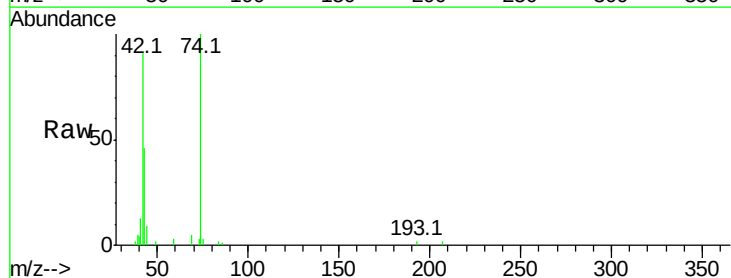
Instrument :  
 BNA\_F  
 ClientSampled :

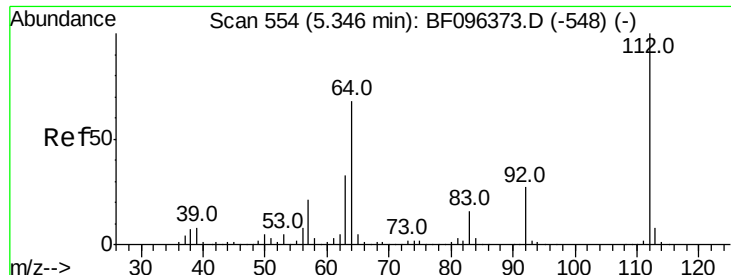
Tot Ion: 79 Resp: 72011  
 Ion Ratio Lower Upper  
 79 100  
 52 102.5 54.8 82.2#  
 51 49.2 27.0 40.4#



#4  
 n-Nitrosodimethylamine  
 Concen: 10.33 ng  
 RT: 3.02 min Scan# 159  
 Delta R.T. -0.06 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Tgt Ion: 42 Resp: 44039  
 Ion Ratio Lower Upper  
 42 100  
 74 110.5 103.9 155.9  
 44 9.7 5.7 8.5#





#5

2-Fluorophenol

Concen: 28.89 ng

RT: 5.34 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :  
BNA\_F  
ClientSampleId :

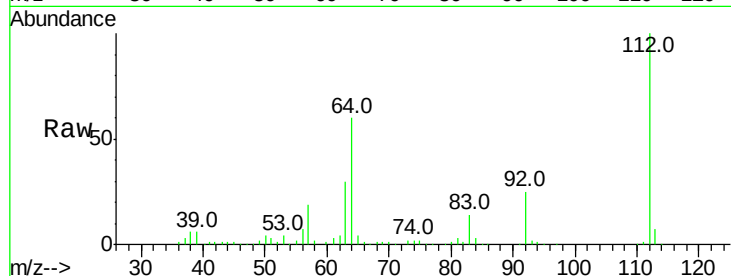
Tot Ion:112 Resp: 191839

Ion Ratio Lower Upper

112 100

64 59.6 46.0 69.0

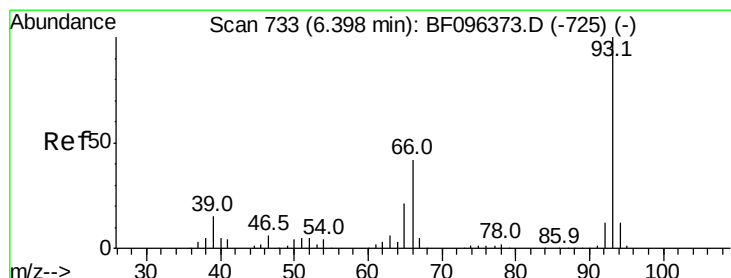
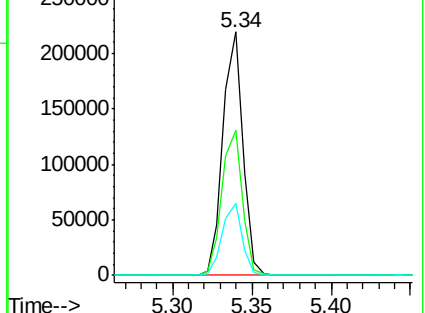
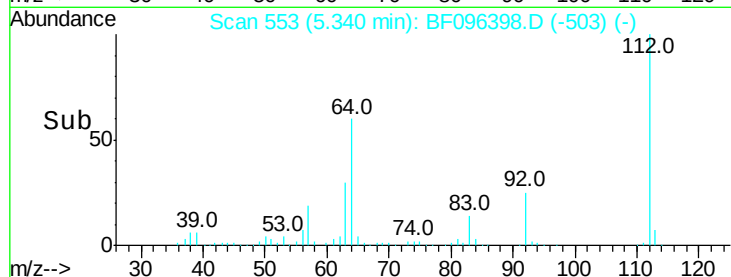
63 29.6 23.4 35.0



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: 8.37 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

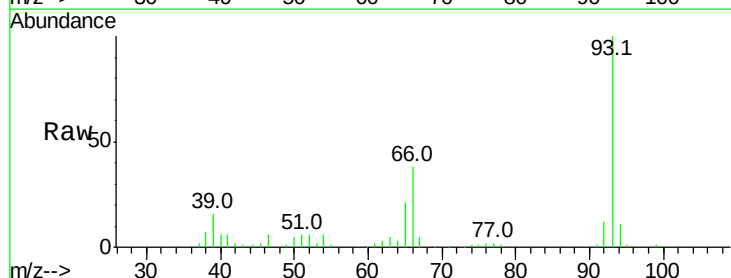
Tgt Ion: 93 Resp: 88265

Ion Ratio Lower Upper

93 100

66 38.3 32.9 49.3

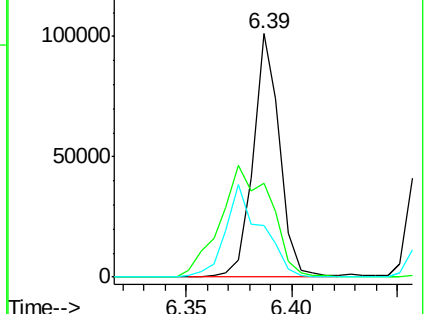
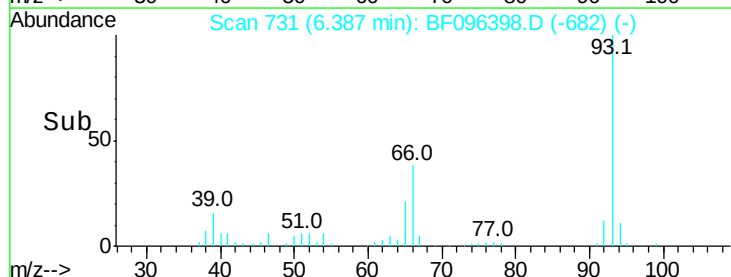
65 21.2 16.0 24.0

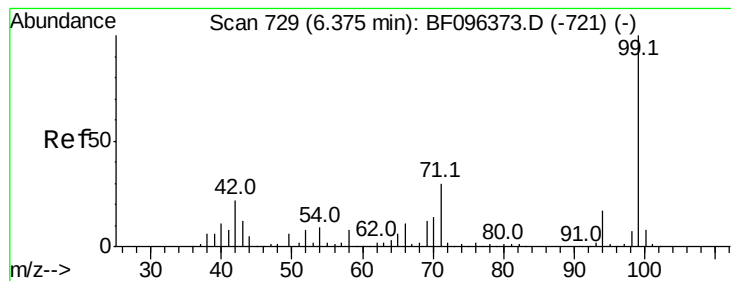


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 33.33 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

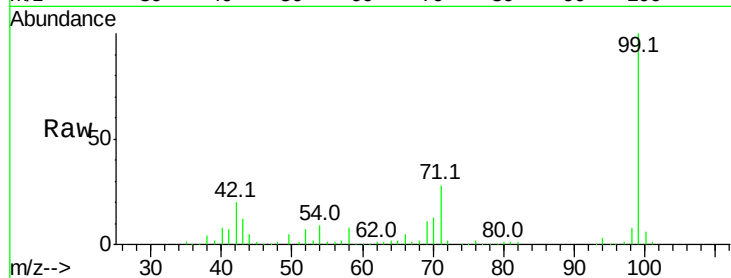
Tot Ion: 99 Resp: 272040

Ion Ratio Lower Upper

99 100

42 20.4 13.5 20.3#

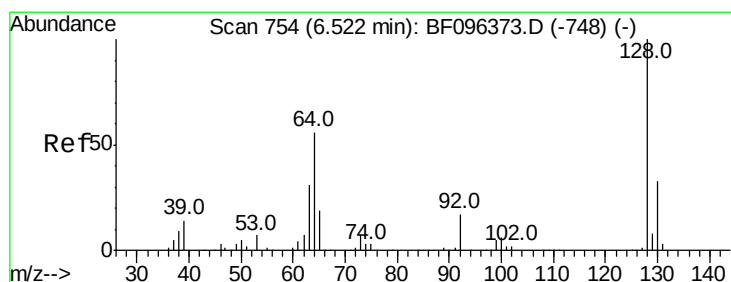
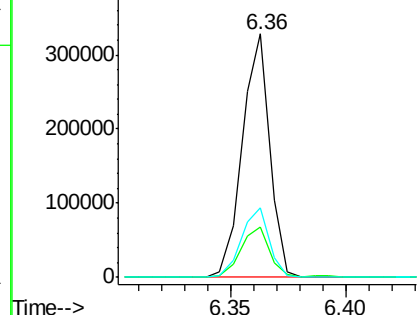
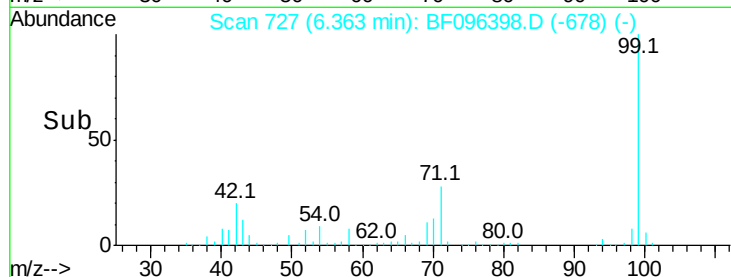
71 28.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 9.64 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

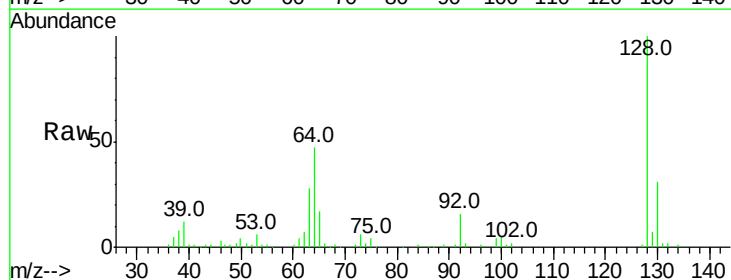
Tgt Ion: 128 Resp: 68290

Ion Ratio Lower Upper

128 100

130 31.5 12.9 52.9

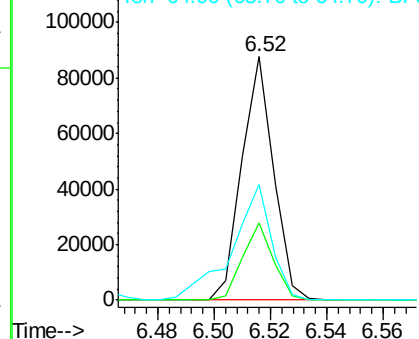
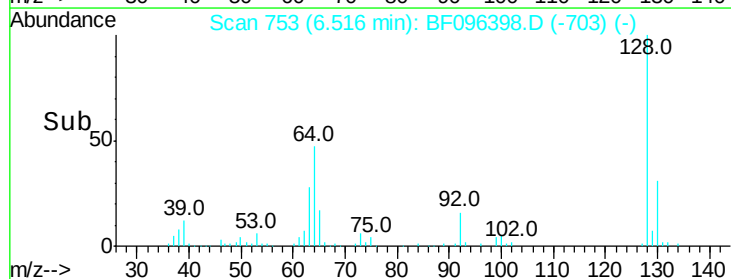
64 47.5 28.4 68.4

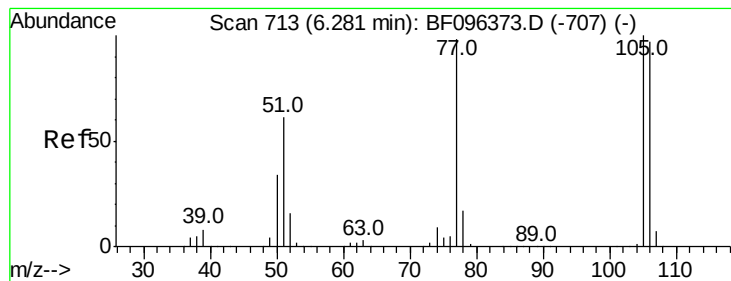


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 5.83 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampled :

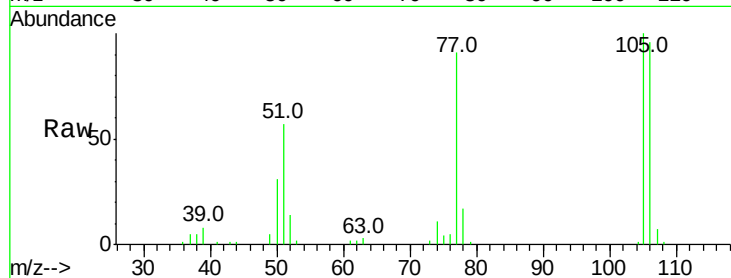
Tot Ion: 77 Resp: 29768

Ion Ratio Lower Upper

77 100

105 110.0 83.8 123.8

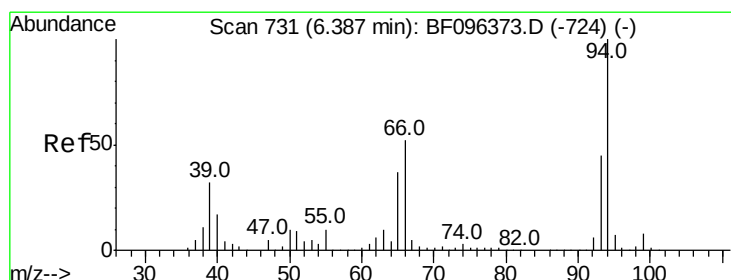
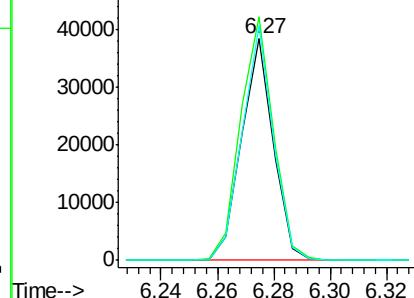
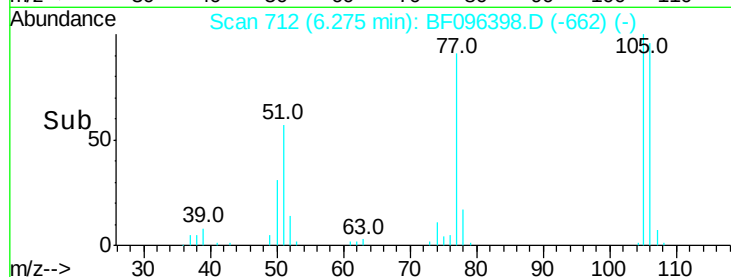
106 105.8 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 10.46 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

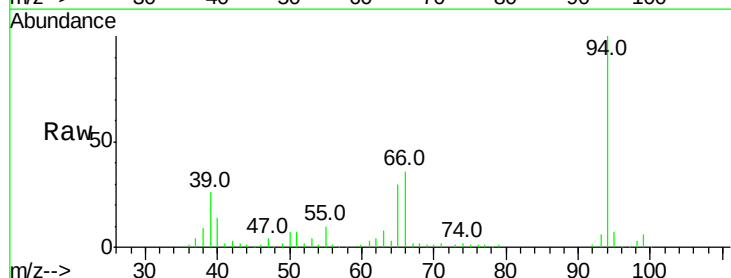
Tgt Ion: 94 Resp: 97305

Ion Ratio Lower Upper

94 100

65 29.8 9.9 49.9

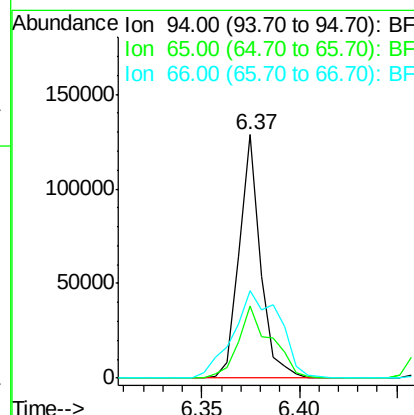
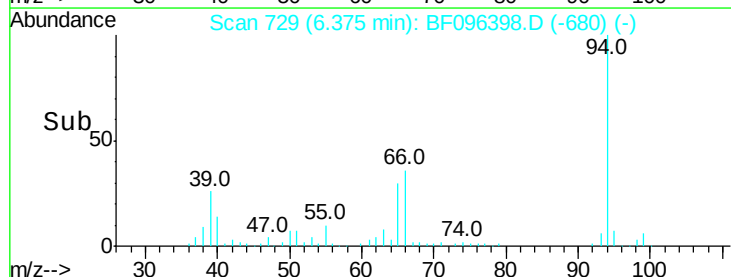
66 36.0 23.1 63.1



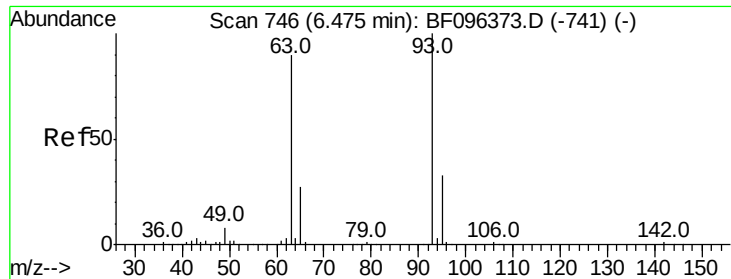
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



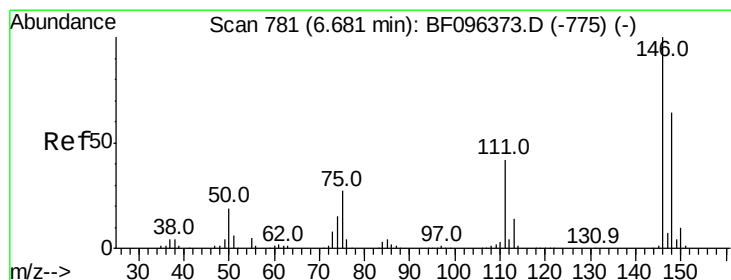
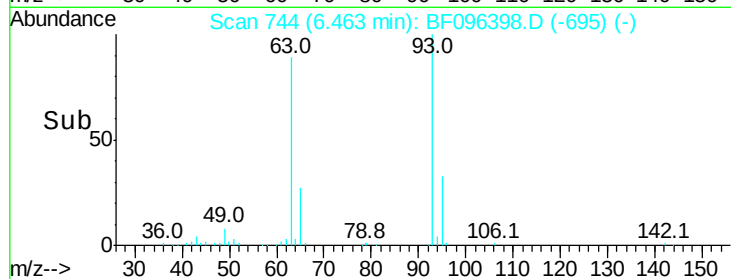
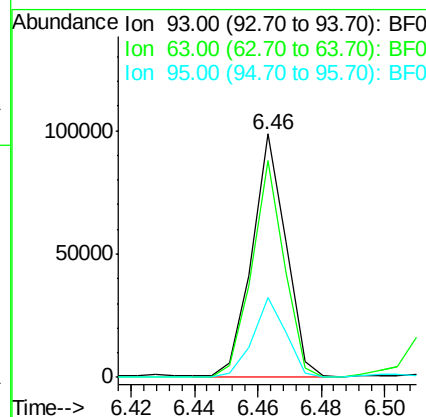
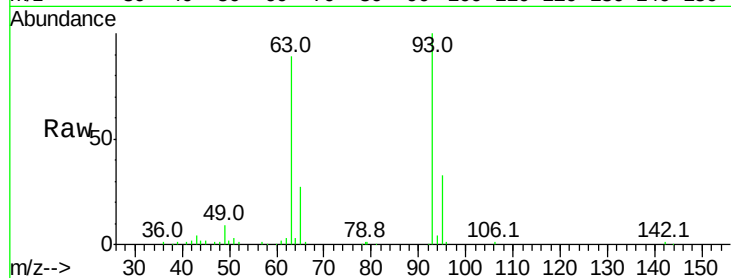




#11  
 bis(2-Chloroethyl)ether  
 Concen: 10.11 ng  
 RT: 6.46 min Scan# 744  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

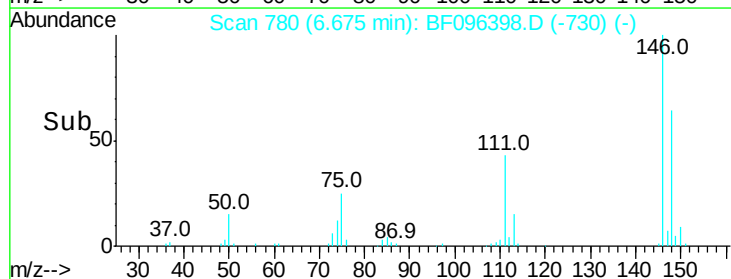
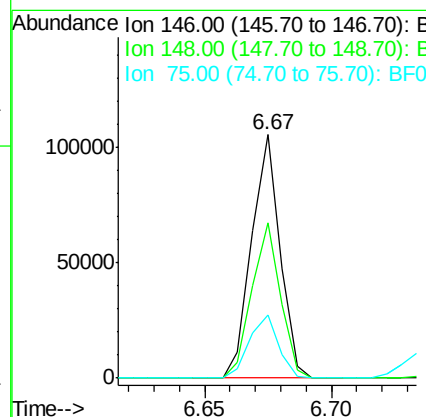
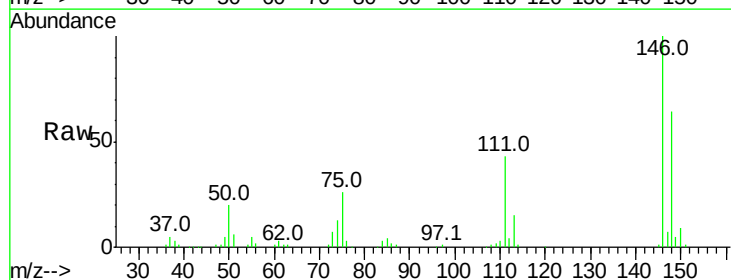
Instrument :  
 BNA\_F  
 ClientSampleId :

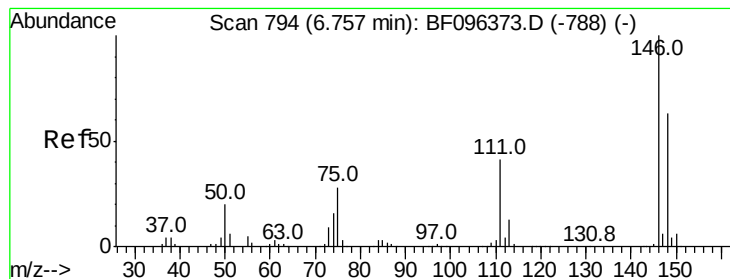
| Tot Ion: | 93    | Resp: | 72677 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 89.2  | 59.2  | 99.2  |
| 95       | 32.9  | 12.8  | 52.8  |



#12  
 1,3-Dichlorobenzene  
 Concen: 11.11 ng  
 RT: 6.67 min Scan# 780  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

| Tgt Ion: | 146   | Resp: | 82507 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 148      | 63.6  | 51.8  | 77.6  |
| 75       | 26.2  | 23.1  | 34.7  |





#13

1,4-Dichlorobenzene

Concen: 11.42 ng

RT: 6.75 min Scan# 793

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

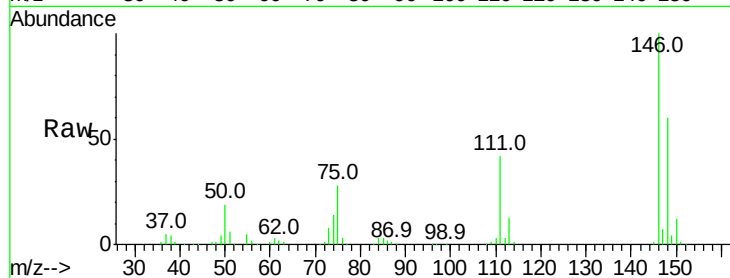
Tot Ion:146 Resp: 84751

Ion Ratio Lower Upper

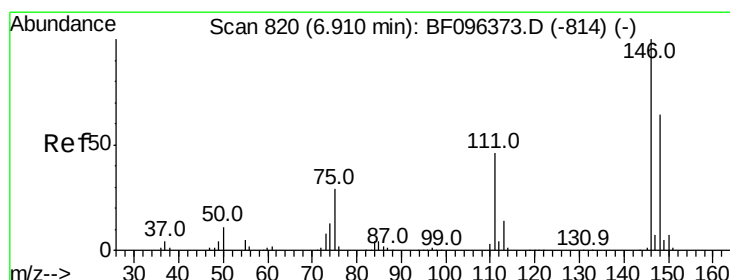
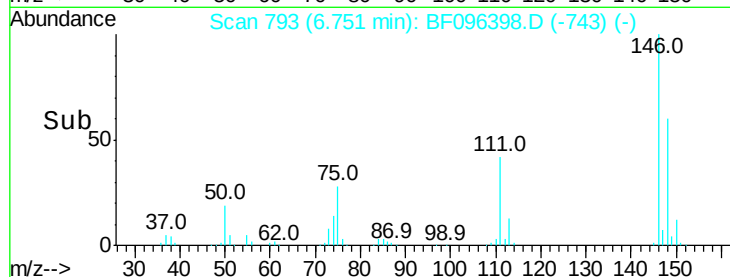
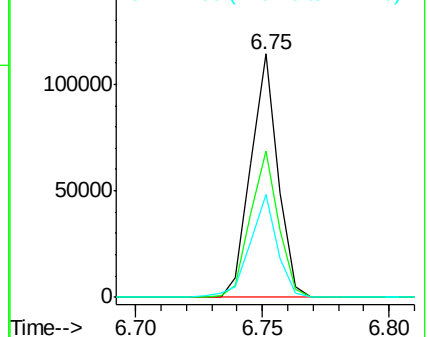
146 100

148 60.2 52.2 78.2

111 42.2 30.3 45.5



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: 11.68 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

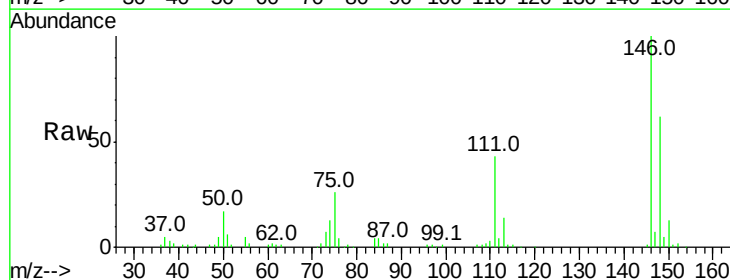
Tgt Ion:146 Resp: 79588

Ion Ratio Lower Upper

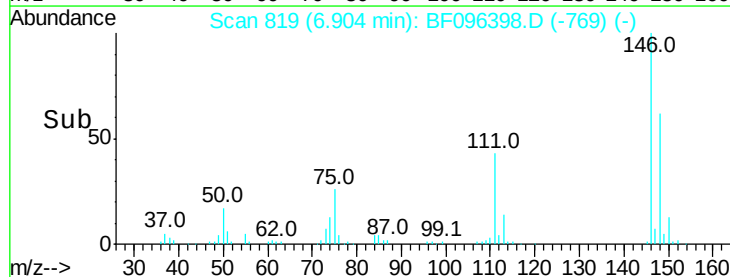
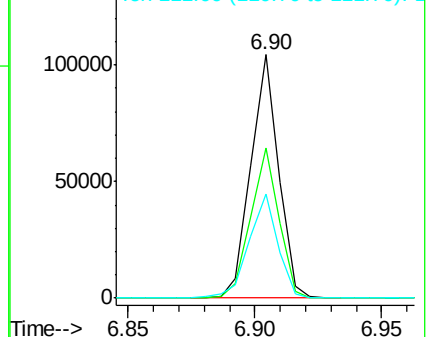
146 100

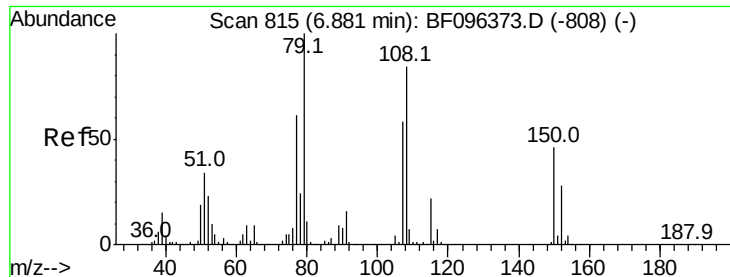
148 61.5 50.4 75.6

111 42.9 38.2 57.4



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





#15

Benzyl Alcohol

Concen: 10.44 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampled :

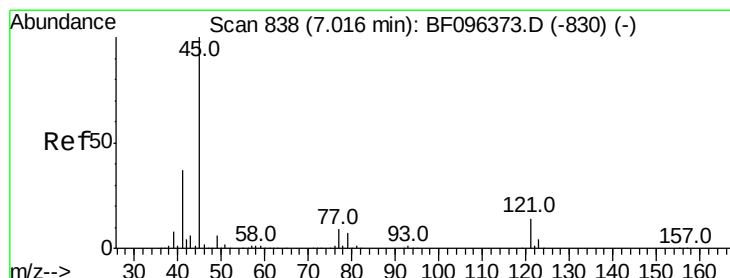
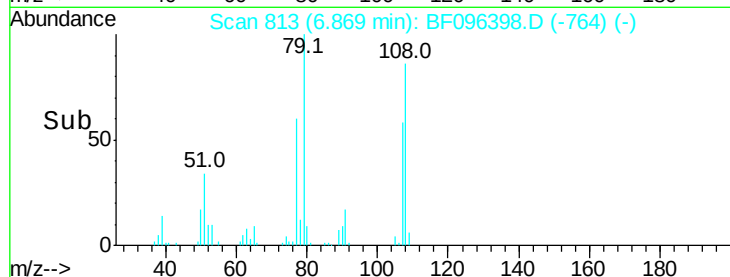
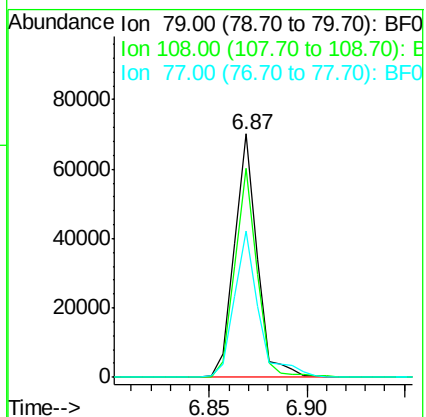
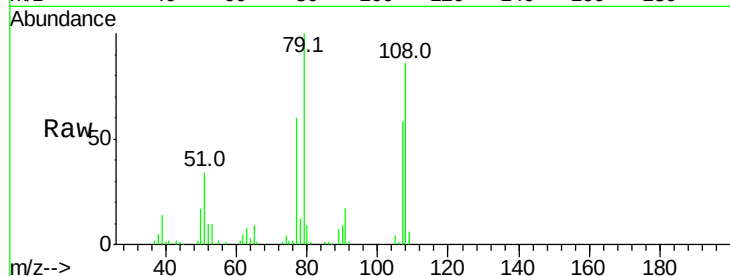
Tot Ion: 79 Resp: 56973

Ion Ratio Lower Upper

79 100

108 86.1 63.4 95.0

77 60.2 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 10.20 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

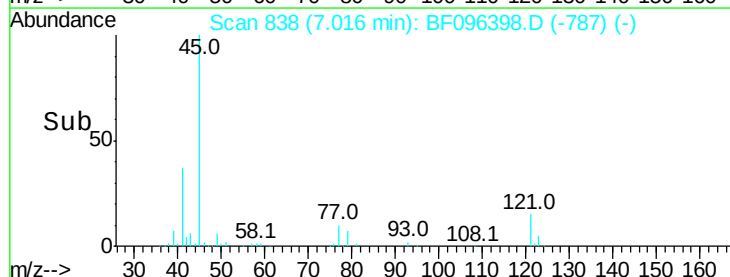
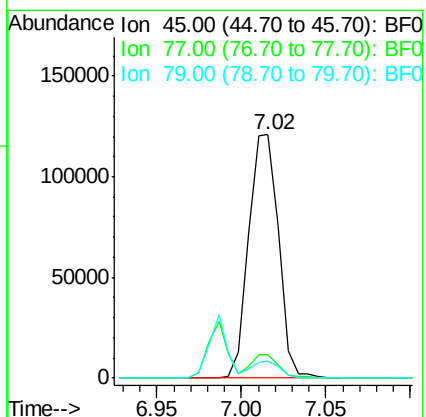
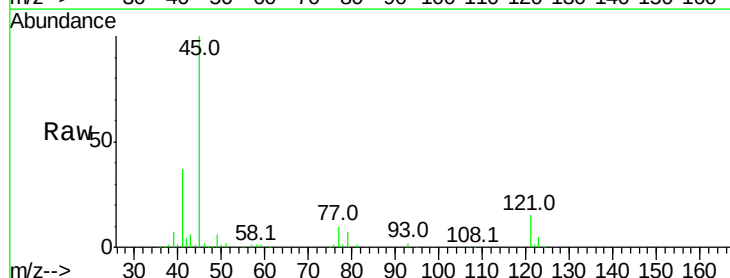
Tgt Ion: 45 Resp: 149026

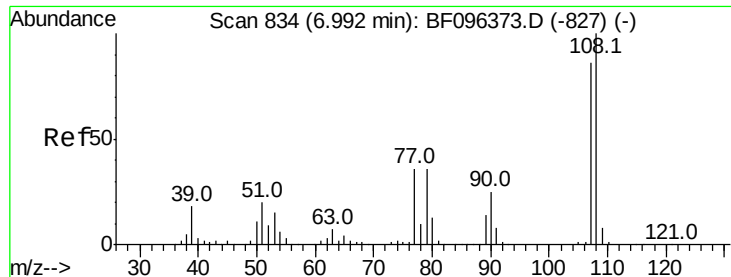
Ion Ratio Lower Upper

45 100

77 9.6 0.0 33.2

79 7.0 0.0 30.0

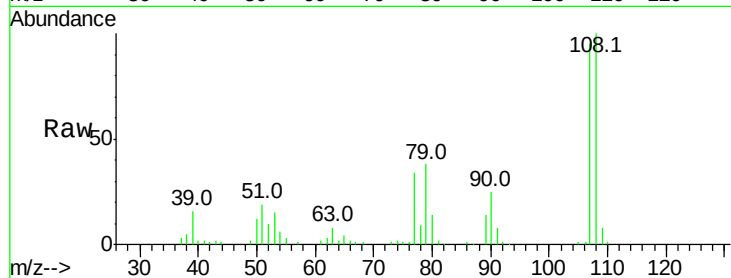




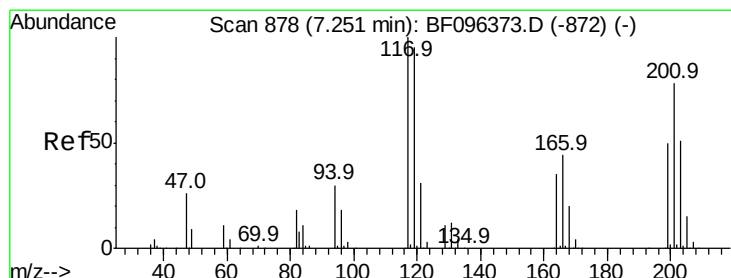
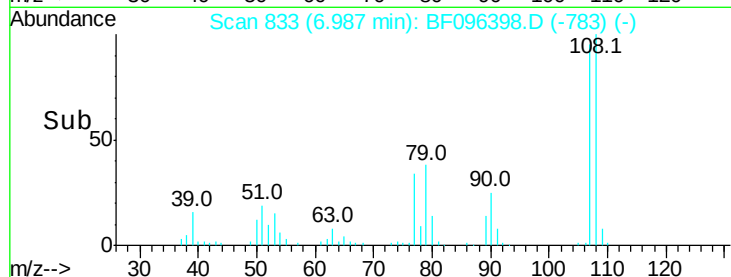
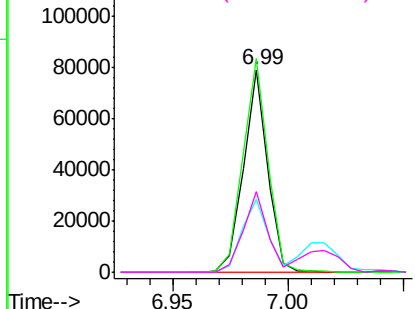
#17  
2-Methylphenol  
Concen: 10.23 ng  
RT: 6.99 min Scan# 833  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:107 Resp: 57736  
Ion Ratio Lower Upper  
107 100  
108 105.4 93.4 140.0  
77 35.9 35.8 53.6  
79 39.7 34.8 52.2

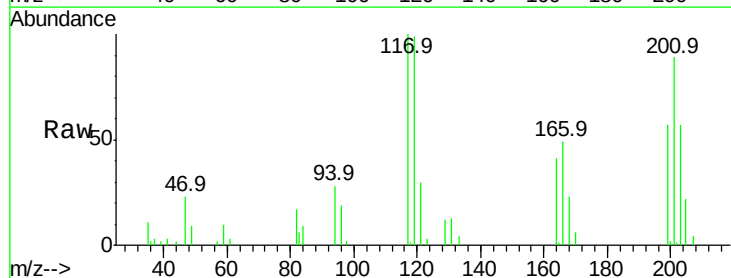


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

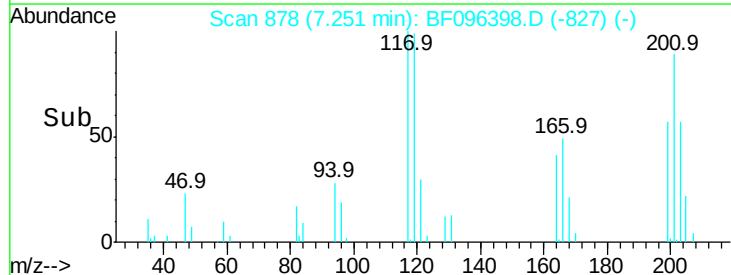
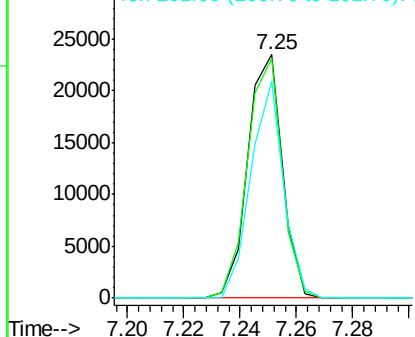


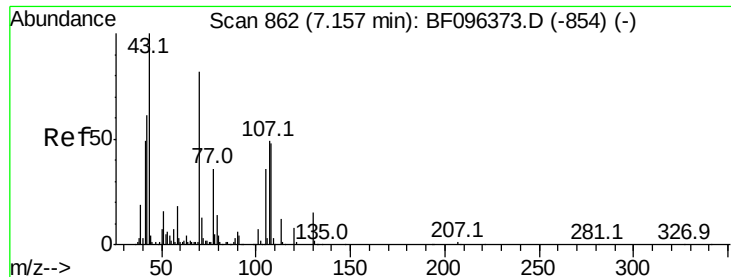
#18  
Hexachloroethane  
Concen: 7.43 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.00 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Tgt Ion:117 Resp: 19990  
Ion Ratio Lower Upper  
117 100  
119 98.6 77.4 116.0  
201 88.9 94.6 141.8#



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

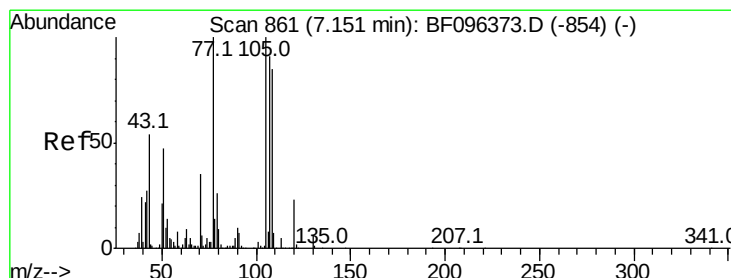
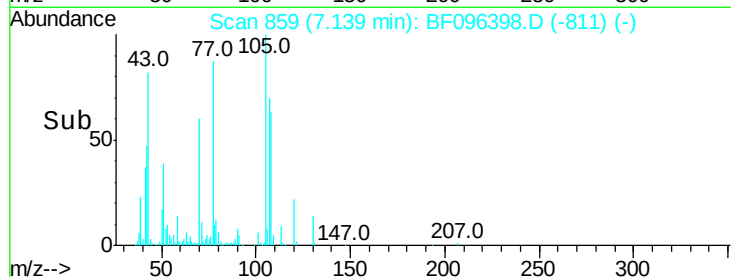
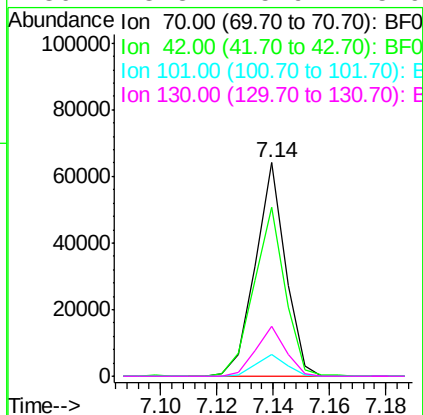
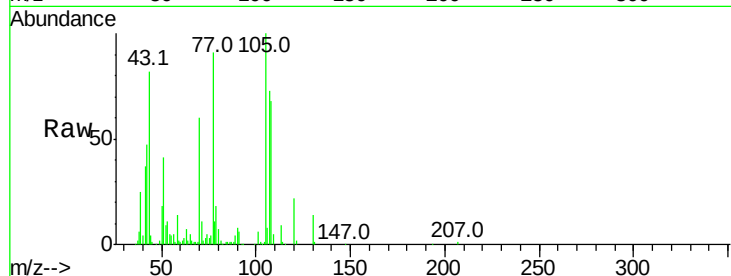




#19  
n-Nitroso-di-n-propylamine  
Concen: 9.79 ng  
RT: 7.14 min Scan# 859  
Delta R.T. -0.02 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

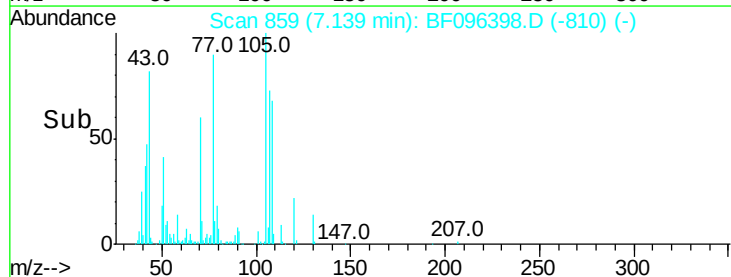
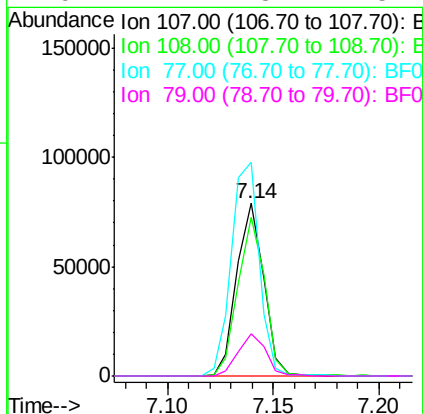
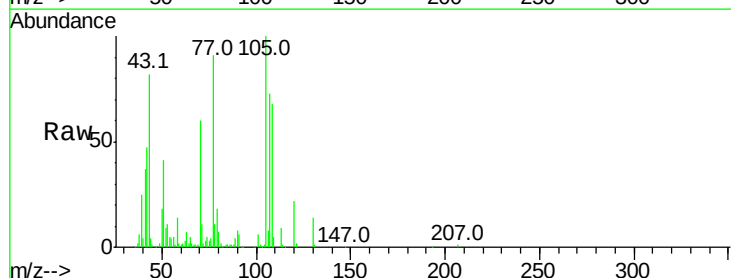
Instrument :  
BNA\_F  
ClientSampleId :

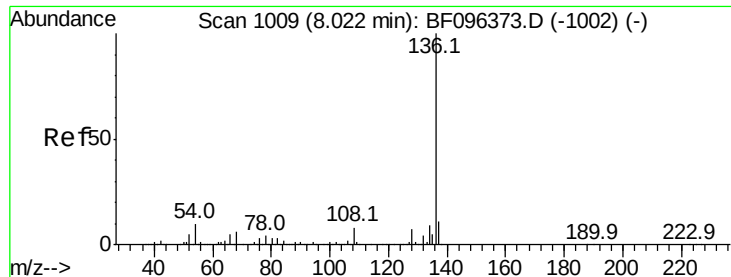
Tot Ion: 70 Resp: 47633  
Ion Ratio Lower Upper  
70 100  
42 79.1 47.2 70.8#  
101 9.9 7.2 10.8  
130 23.3 15.9 23.9



#20  
3+4-Methylphenols  
Concen: 11.08 ng  
RT: 7.14 min Scan# 859  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Tgt Ion: 107 Resp: 69742  
Ion Ratio Lower Upper  
107 100  
108 92.4 71.0 111.0  
77 124.0 90.5 130.5  
79 24.7 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 356890

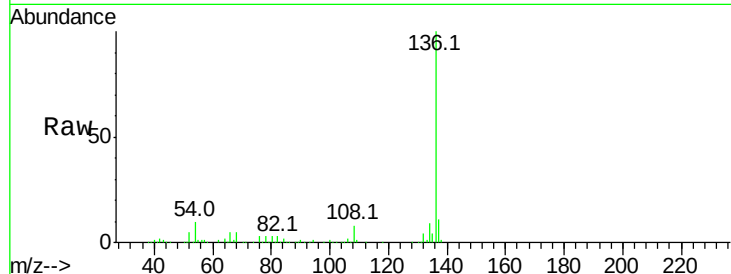
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 9.6 4.9 7.3#

68 4.6 4.1 6.1

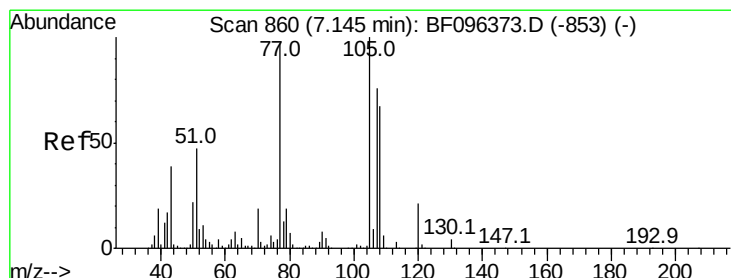
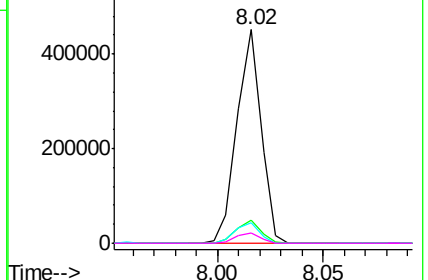
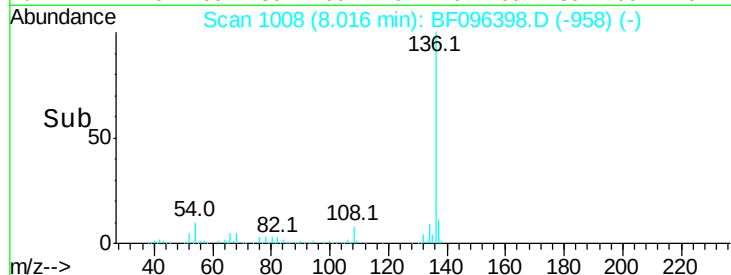


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.46 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Tgt Ion:105 Resp: 97183

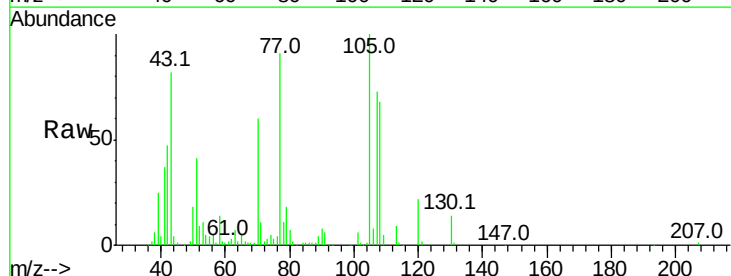
Ion Ratio Lower Upper

105 100

71 10.5 2.8 4.2#

51 41.5 30.7 46.1

120 21.8 17.4 26.0

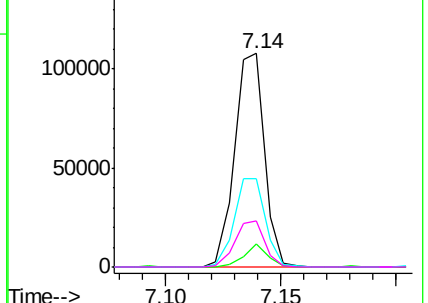
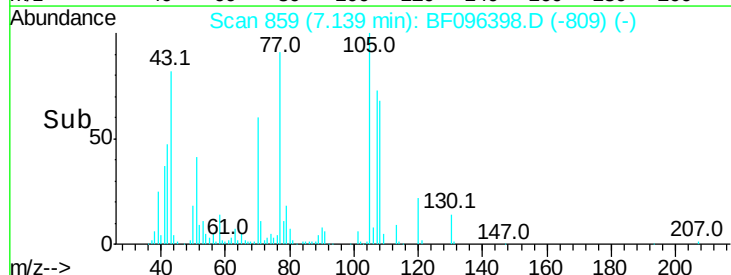


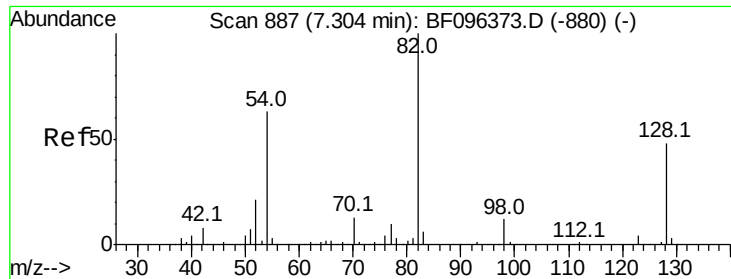
Abundance Ion 105.00 (104.70 to 105.70): E

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

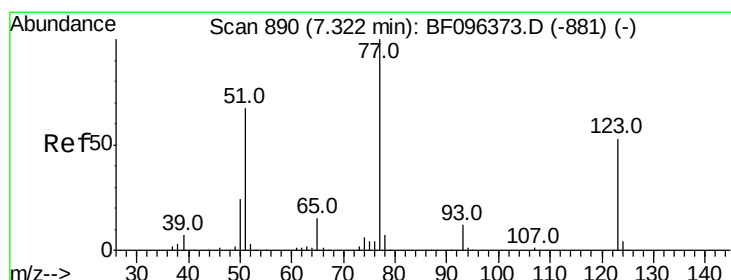
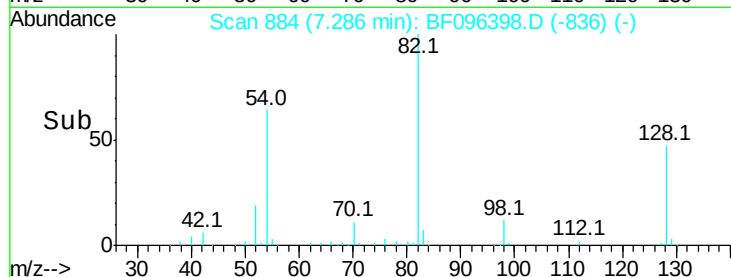
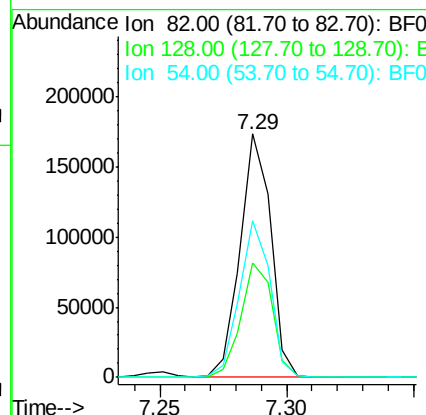
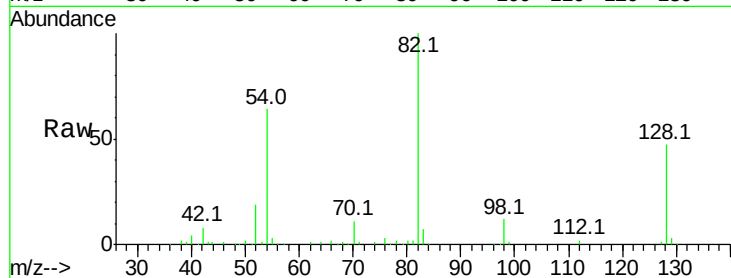




#23  
 Nitrobenzene-d5  
 Concen: 24.63 ng  
 RT: 7.29 min Scan# 884  
 Delta R.T. -0.02 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

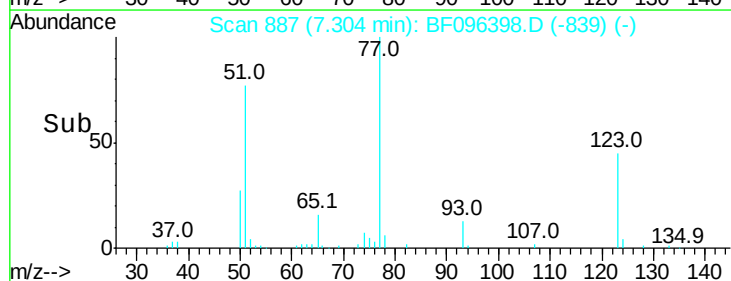
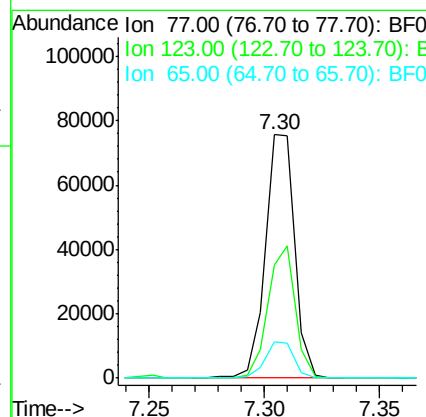
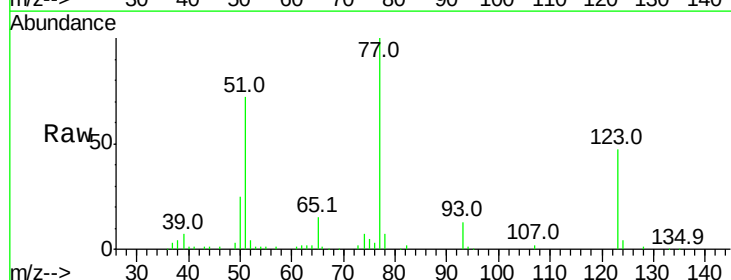
Instrument :  
 BNA\_F  
 ClientSampleId :

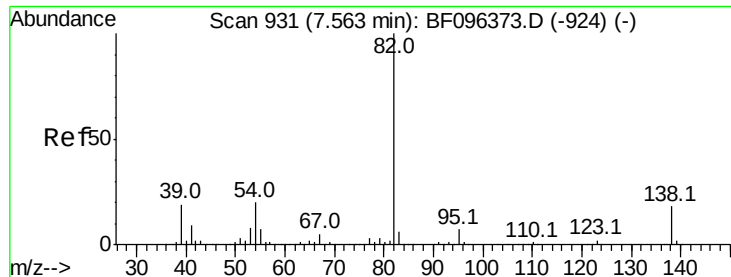
Tot Ion: 82 Resp: 146275  
 Ion Ratio Lower Upper  
 82 100  
 128 46.7 34.0 51.0  
 54 64.3 42.2 63.2#



#24  
 Nitrobenzene  
 Concen: 10.74 ng  
 RT: 7.30 min Scan# 887  
 Delta R.T. -0.02 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Tgt Ion: 77 Resp: 66903  
 Ion Ratio Lower Upper  
 77 100  
 123 46.5 35.8 53.8  
 65 14.8 10.6 15.8





#25

Isophorone

Concen: 10.19 ng

RT: 7.55 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

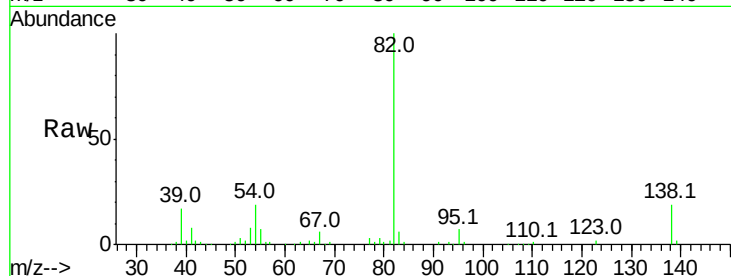
Tot Ion: 82 Resp: 117334

Ion Ratio Lower Upper

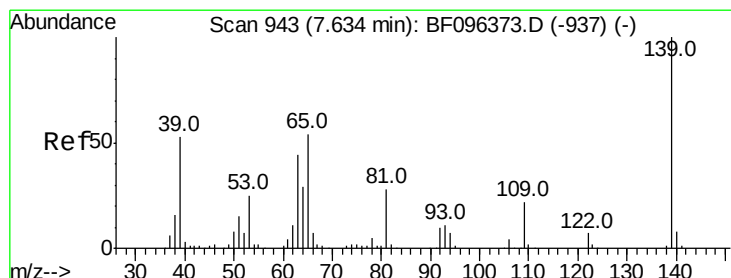
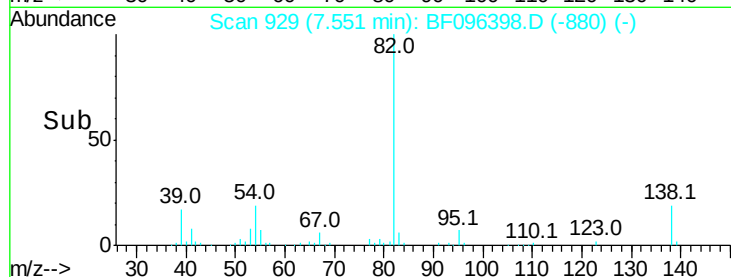
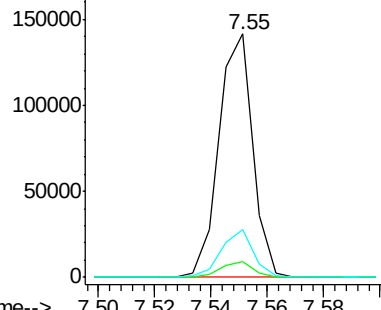
82 100

95 6.6 5.3 7.9

138 19.5 13.1 19.7



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: 3.45 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

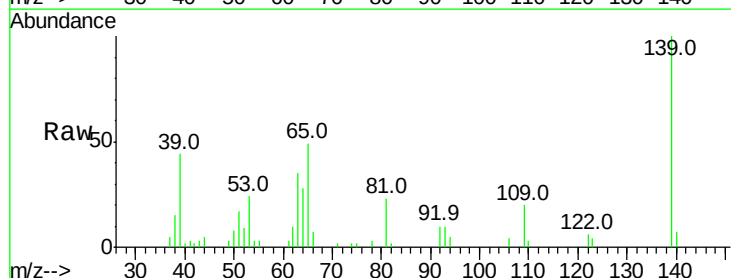
Tgt Ion:139 Resp: 11368

Ion Ratio Lower Upper

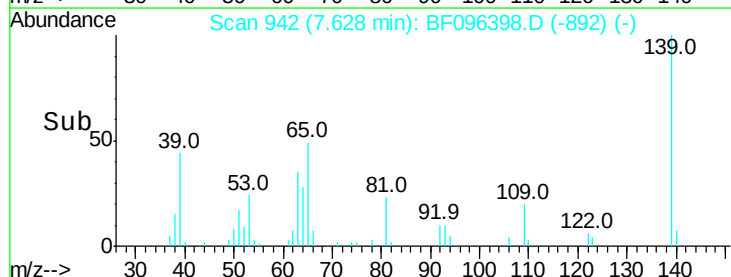
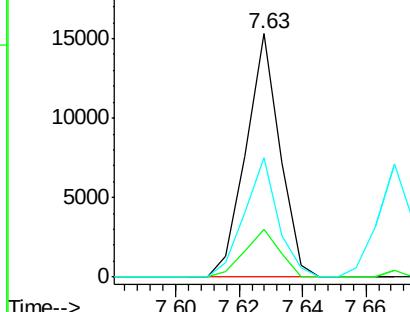
139 100

109 19.5 21.0 31.6#

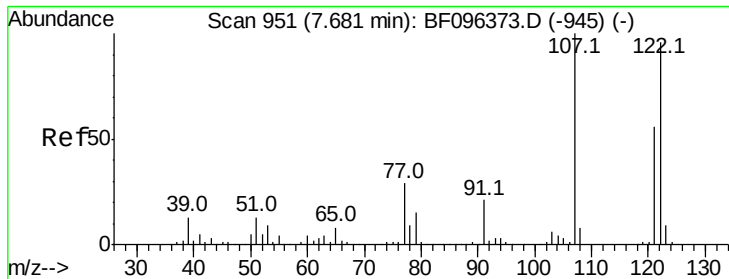
65 49.1 33.0 49.6



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



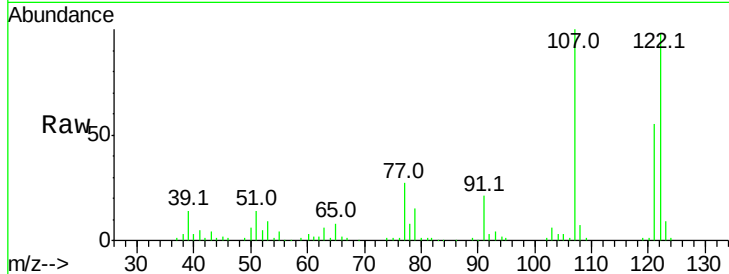




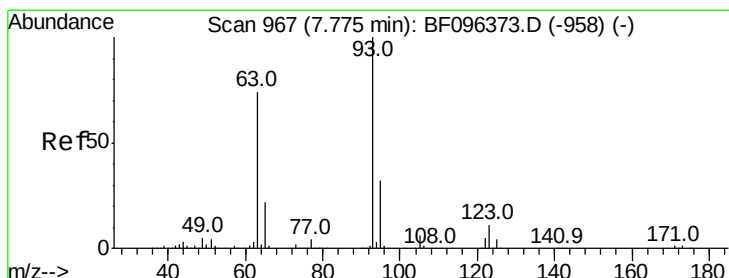
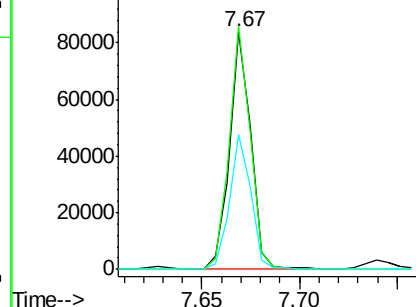
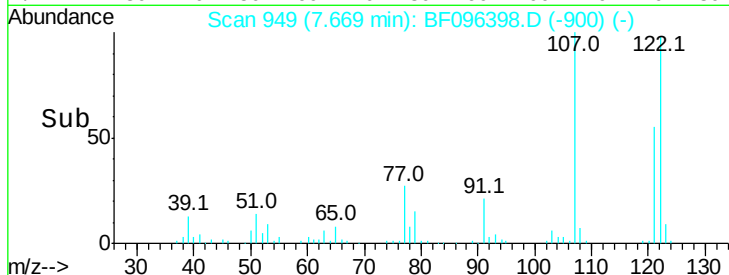
#27  
 2,4-Dimethylphenol  
 Concen: 11.29 ng  
 RT: 7.67 min Scan# 949  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Instrument :  
 BNA\_F  
 ClientSampleID :

Tot Ion:122 Resp: 63396  
 Ion Ratio Lower Upper  
 122 100  
 107 102.5 89.2 133.8  
 121 56.7 45.2 67.8

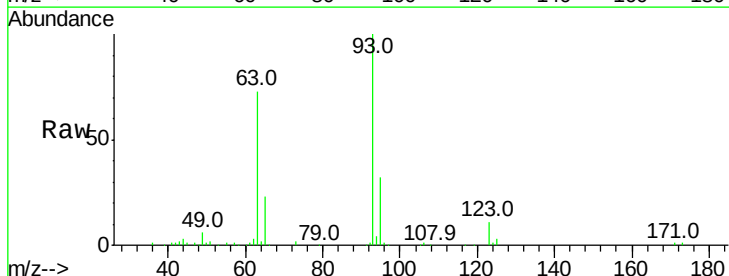


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

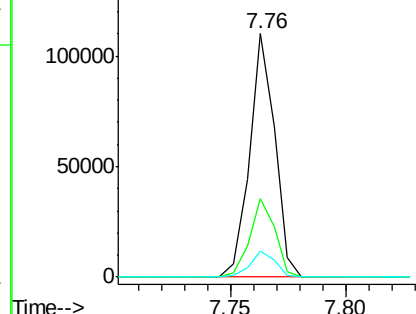
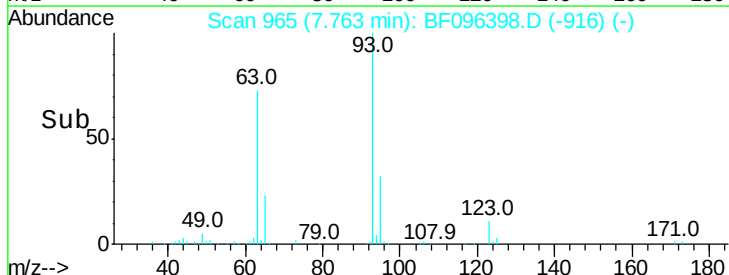


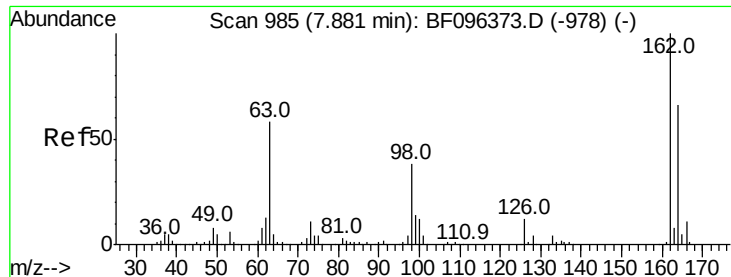
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 11.07 ng  
 RT: 7.76 min Scan# 965  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Tgt Ion: 93 Resp: 84118  
 Ion Ratio Lower Upper  
 93 100  
 95 32.2 26.5 39.7  
 123 10.6 9.0 13.4



Abundance Ion 93.00 (92.70 to 93.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 123.00 (122.70 to 123.70): E

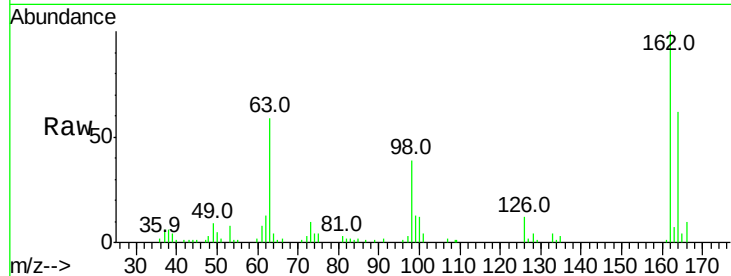




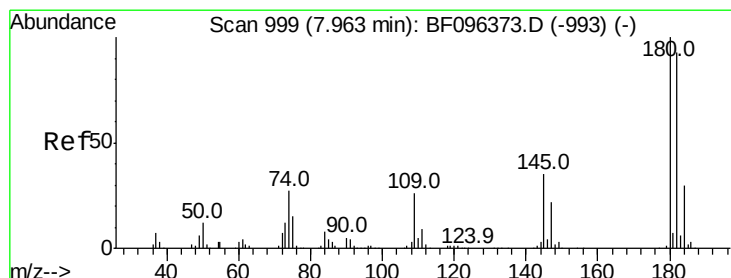
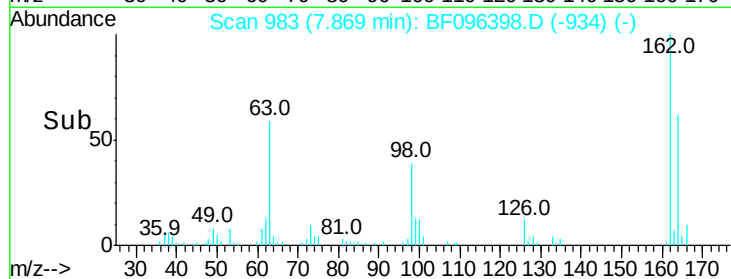
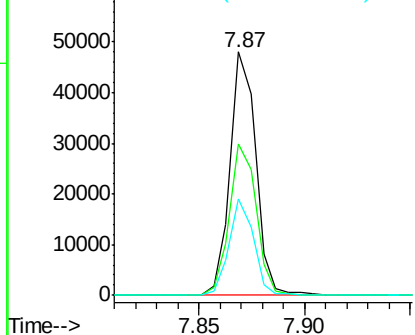
#29  
2,4-Dichlorophenol  
Concen: 8.37 ng  
RT: 7.87 min Scan# 983  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:162 Resp: 40562  
Ion Ratio Lower Upper  
162 100  
164 62.2 44.6 84.6  
98 39.4 14.8 54.8

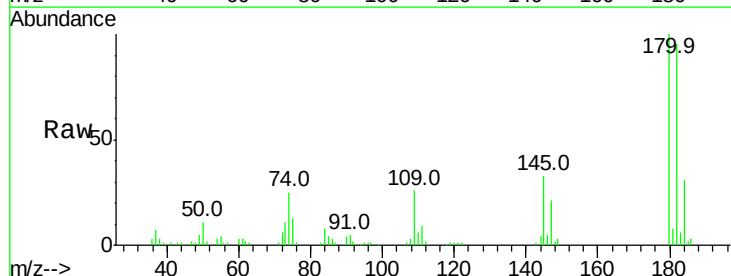


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF0

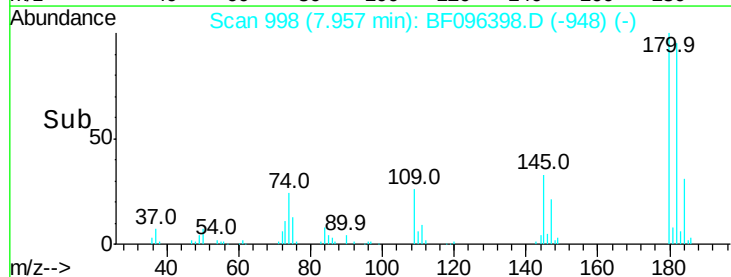
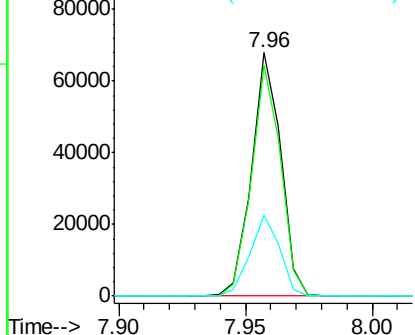


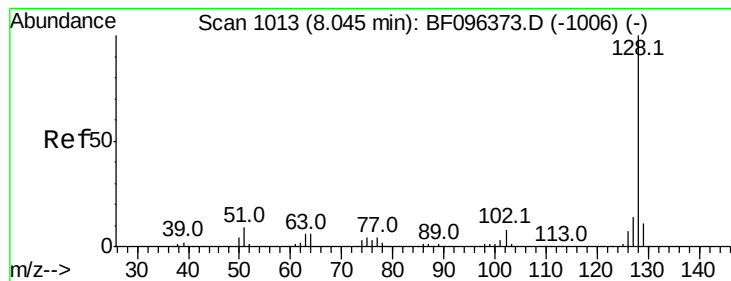
#30  
1,2,4-Trichlorobenzene  
Concen: 11.96 ng  
RT: 7.96 min Scan# 998  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Tgt Ion:180 Resp: 54657  
Ion Ratio Lower Upper  
180 100  
182 95.0 75.8 113.6  
145 33.4 25.3 37.9



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: 11.89 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

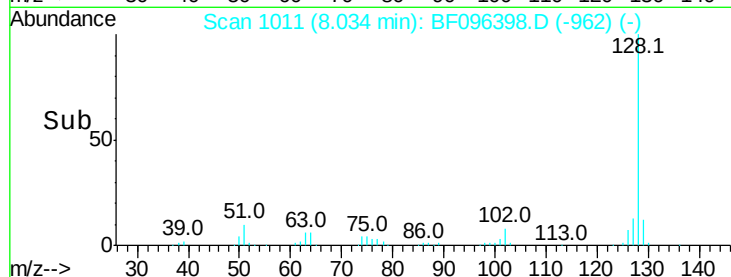
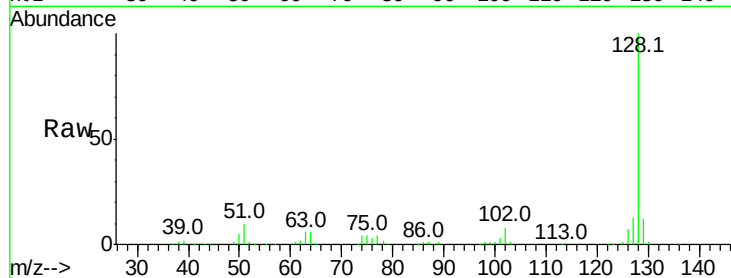
Tot Ion:128 Resp: 200333

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

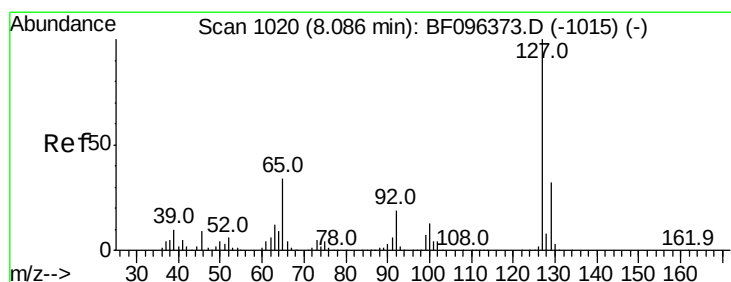
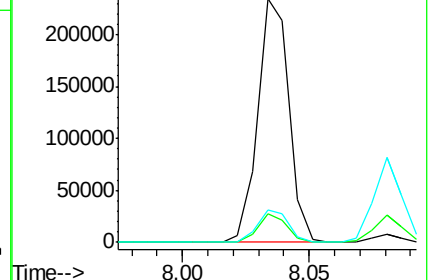
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 9.44 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Tgt Ion:127 Resp: 66046

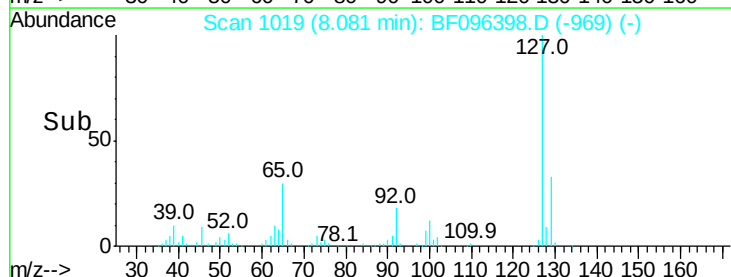
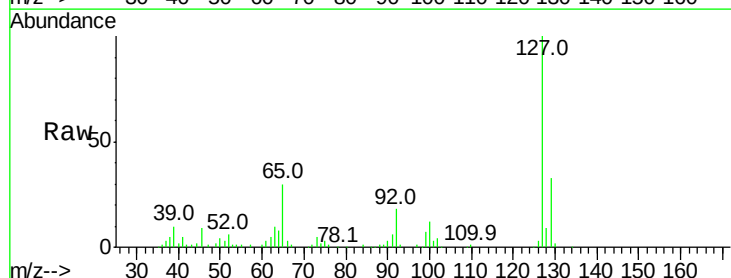
Ion Ratio Lower Upper

127 100

129 32.6 26.2 39.2

65 30.0 27.8 41.8

92 18.5 16.8 25.2

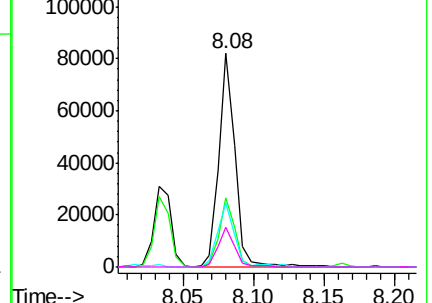


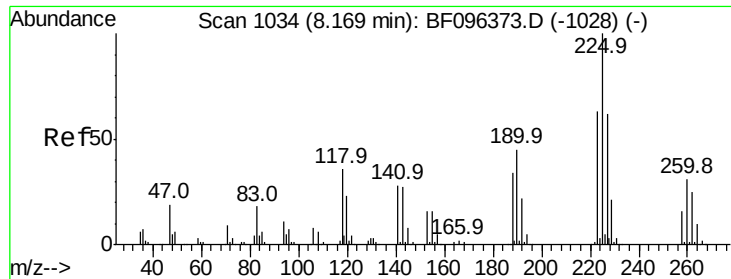
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

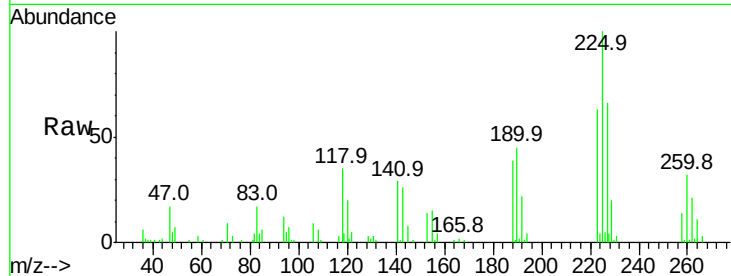




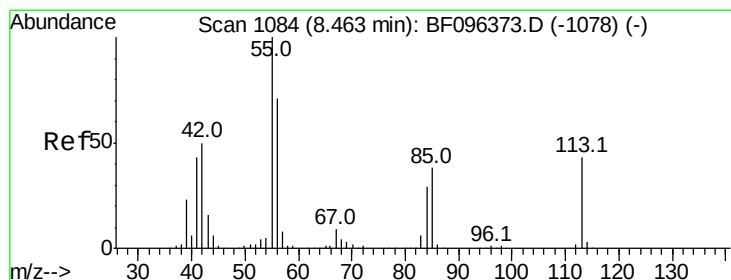
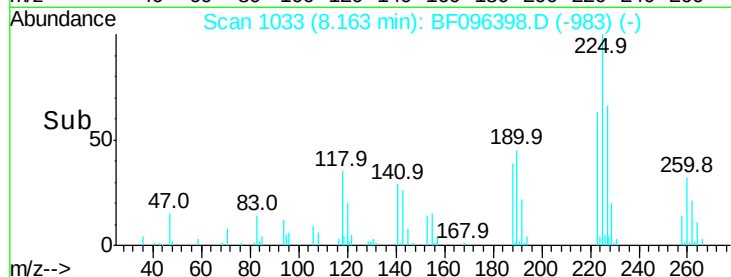
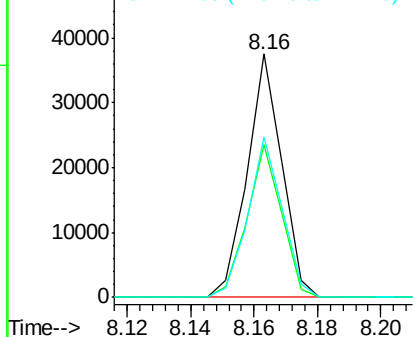
#34  
Hexachlorobutadiene  
Concen: 12.08 ng  
RT: 8.16 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:225 Resp: 28320  
Ion Ratio Lower Upper  
225 100  
223 62.9 48.8 73.2  
227 65.9 51.1 76.7

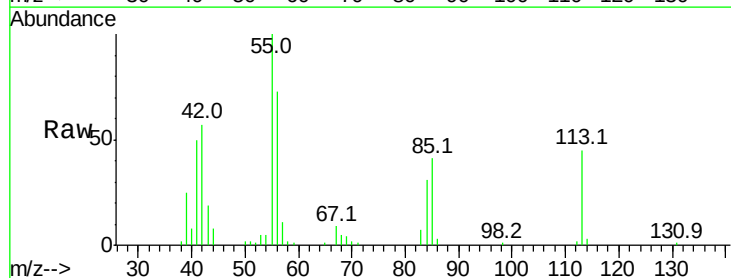


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

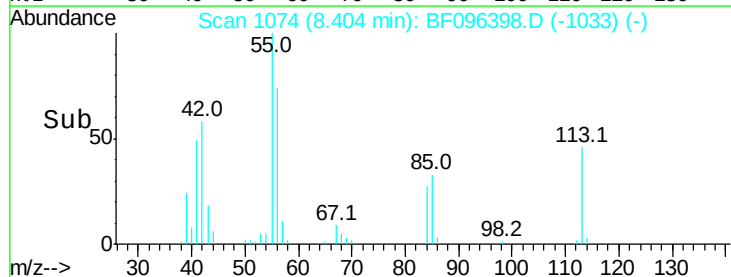
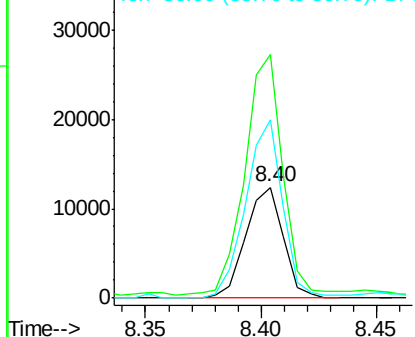


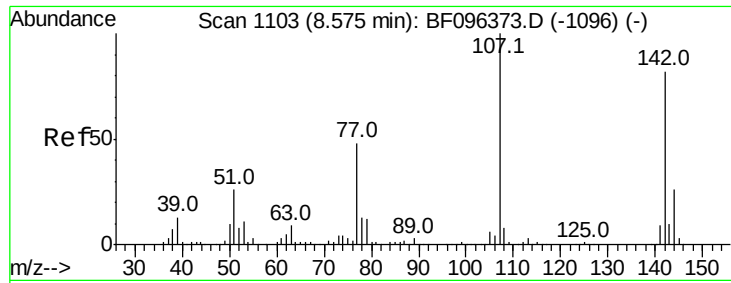
#35  
Caprolactam  
Concen: 8.39 ng  
RT: 8.40 min Scan# 1074  
Delta R.T. -0.06 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Tgt Ion:113 Resp: 14017  
Ion Ratio Lower Upper  
113 100  
55 220.1 150.2 190.2#  
56 161.1 107.8 147.8#



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

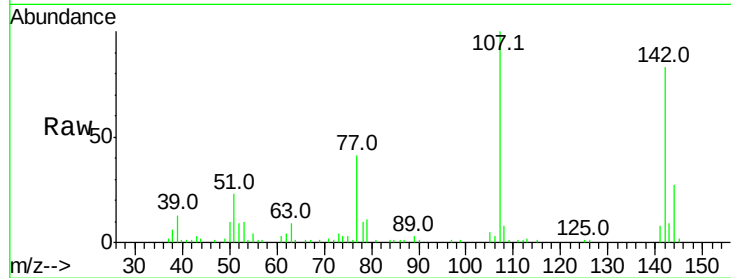




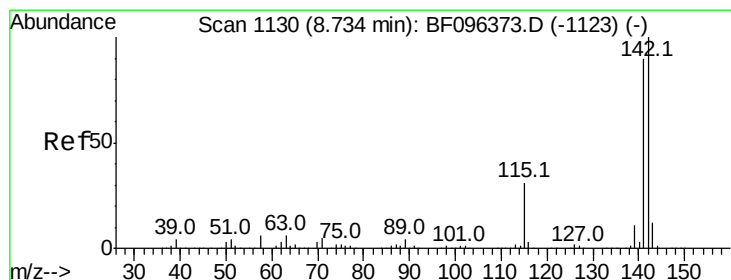
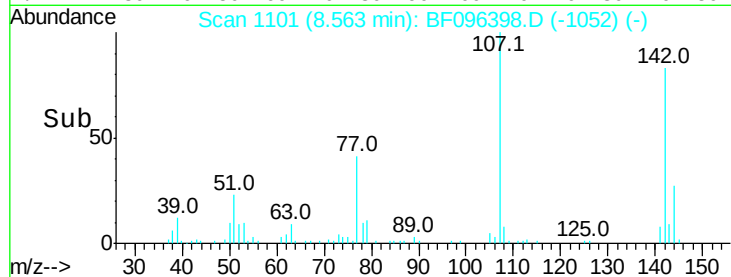
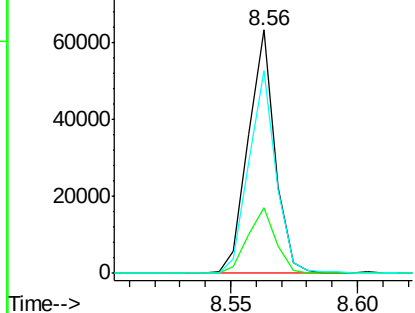
#36  
 4-Chloro-3-methylphenol  
 Concen: 8.67 ng  
 RT: 8.56 min Scan# 1101  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:107 Resp: 46484  
 Ion Ratio Lower Upper  
 107 100  
 144 26.8 24.2 36.4  
 142 83.3 73.4 110.0

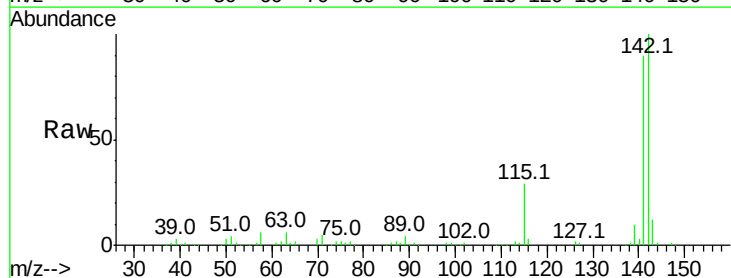


Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

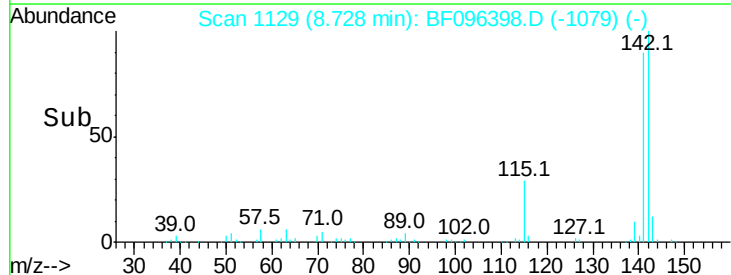
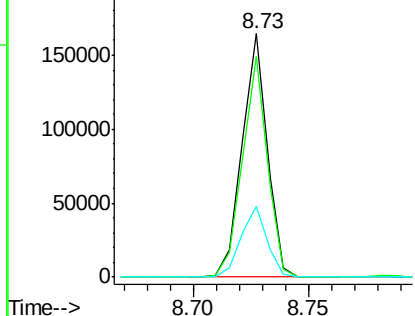


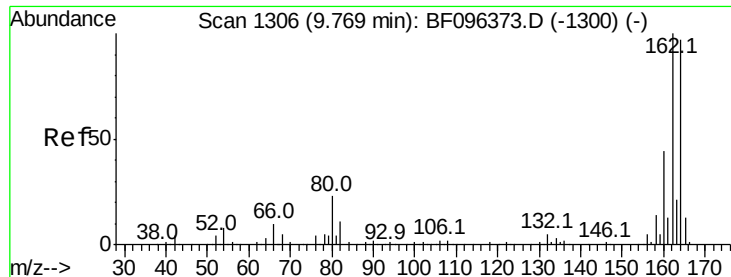
#37  
 2-Methylnaphthalene  
 Concen: 11.74 ng  
 RT: 8.73 min Scan# 1129  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Tgt Ion:142 Resp: 125956  
 Ion Ratio Lower Upper  
 142 100  
 141 90.4 71.3 106.9  
 115 28.9 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

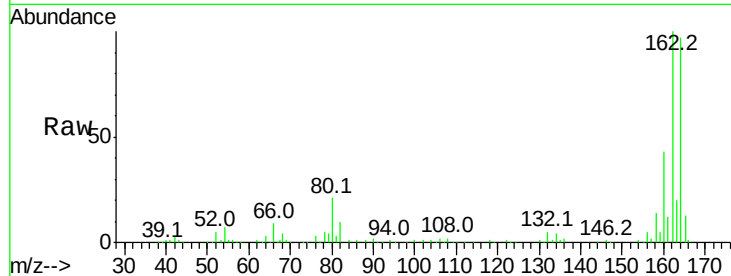




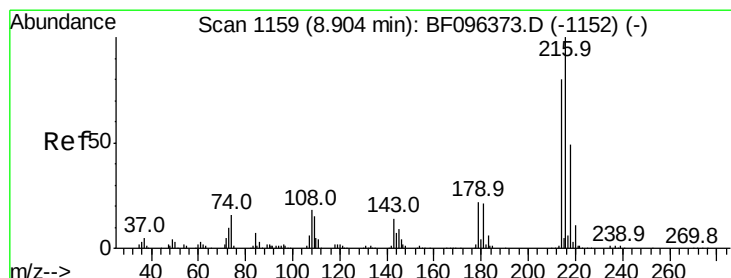
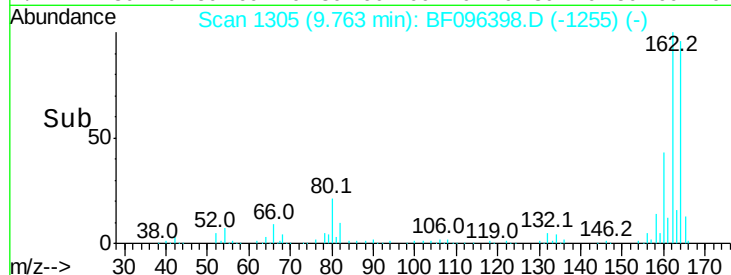
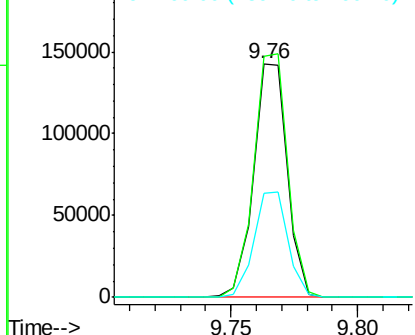
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 131685  
Ion Ratio Lower Upper  
164 100  
162 103.5 82.6 123.8  
160 44.4 36.2 54.2



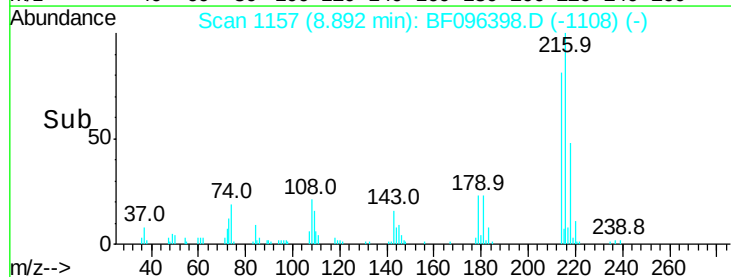
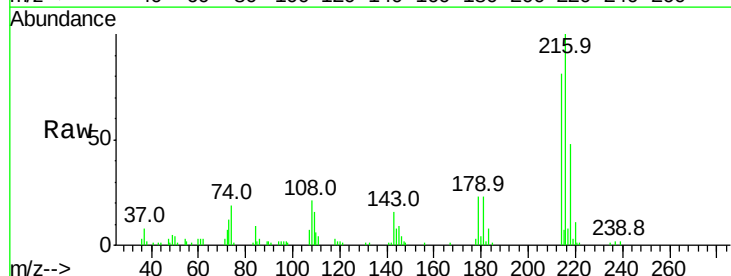
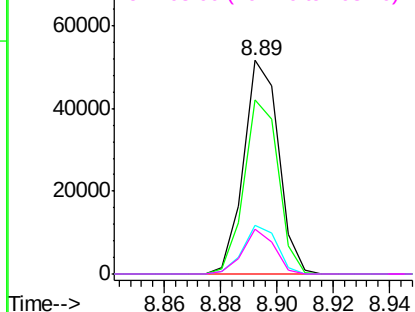
Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

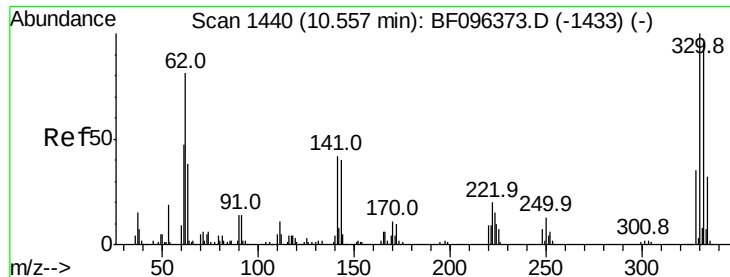


#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 12.96 ng  
RT: 8.89 min Scan# 1157  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Tgt Ion:216 Resp: 44297  
Ion Ratio Lower Upper  
216 100  
214 79.9 63.4 95.2  
179 22.2 17.9 26.9  
108 19.1 16.5 24.7

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

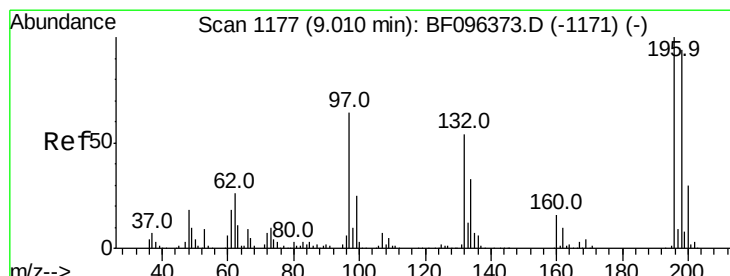
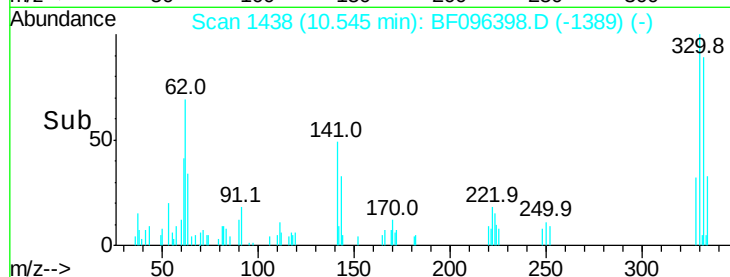
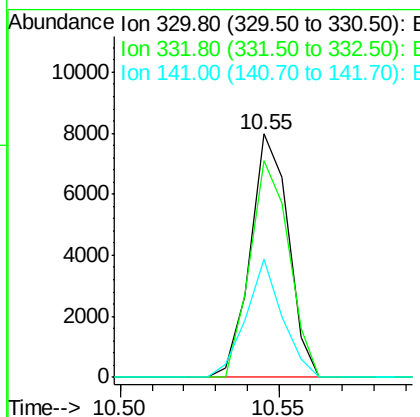
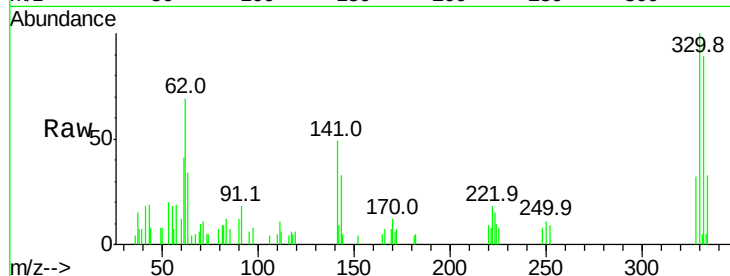




#41  
 2,4,6-Tribromophenol  
 Concen: 6.48 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

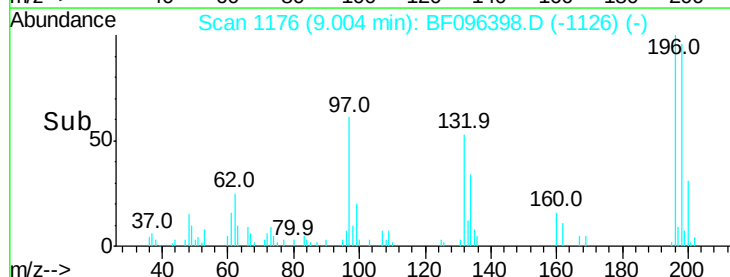
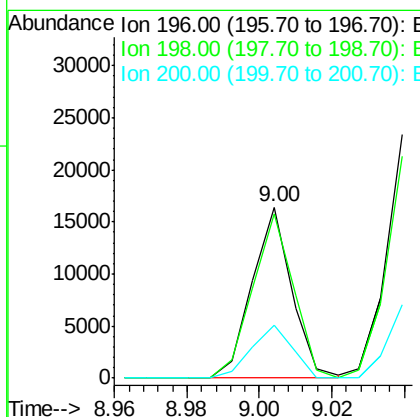
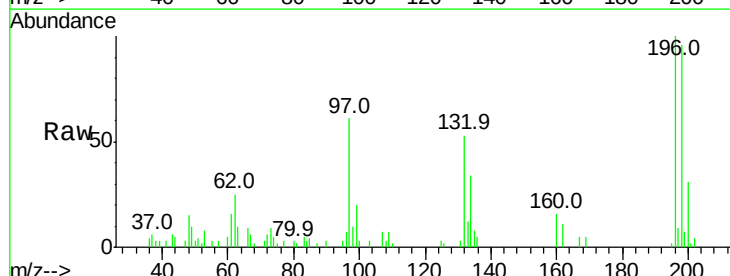
Instrument :  
 BNA\_F  
 ClientSampleId :

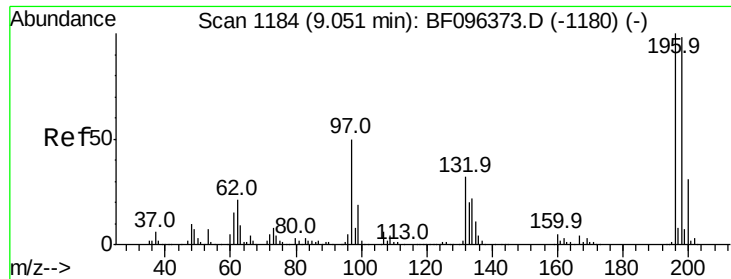
Tot Ion:330 Resp: 6663  
 Ion Ratio Lower Upper  
 330 100  
 332 90.8 76.6 115.0  
 141 46.3 31.4 47.2



#42  
 2,4,6-Trichlorophenol  
 Concen: 4.61 ng  
 RT: 9.00 min Scan# 1176  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Tgt Ion:196 Resp: 12480  
 Ion Ratio Lower Upper  
 196 100  
 198 95.9 74.2 111.4  
 200 30.7 24.0 36.0

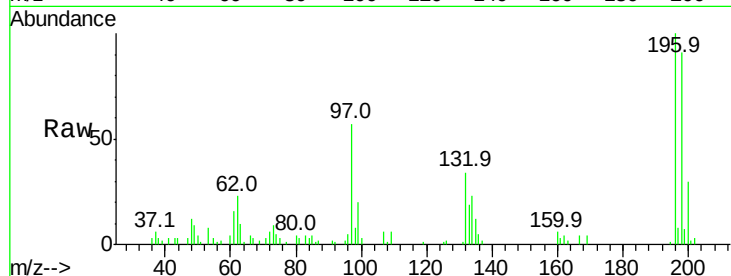




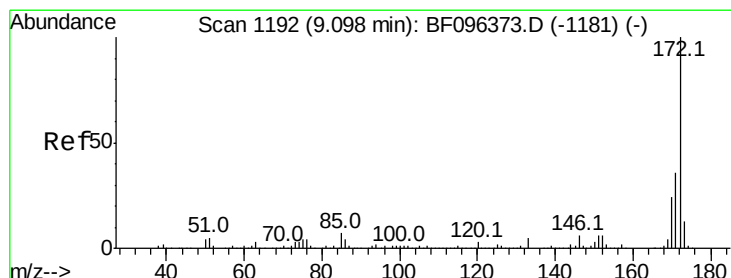
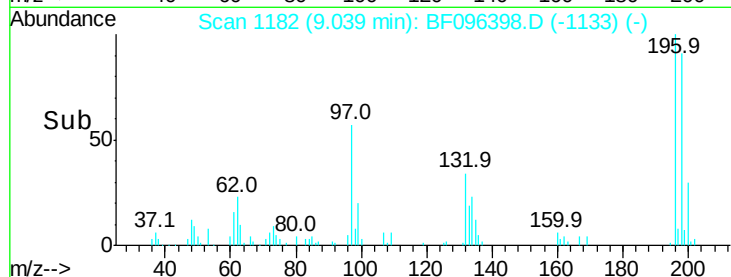
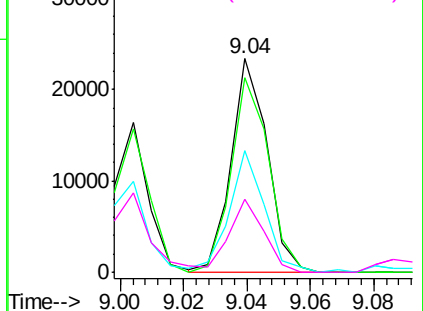
#43  
 2,4,5-Trichlorophenol  
 Concen: 6.86 ng  
 RT: 9.04 min Scan# 1182  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:196 Resp: 18357  
 Ion Ratio Lower Upper  
 196 100  
 198 91.3 75.7 113.5  
 97 56.9 47.7 71.5  
 132 34.0 28.0 42.0

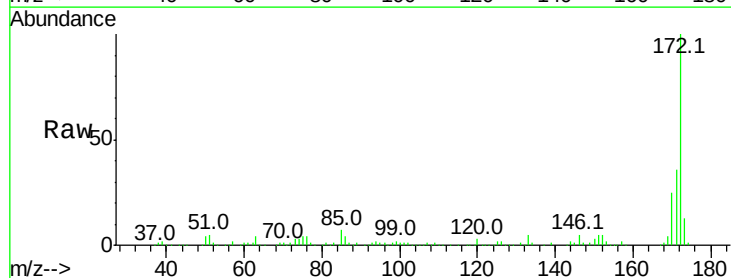


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

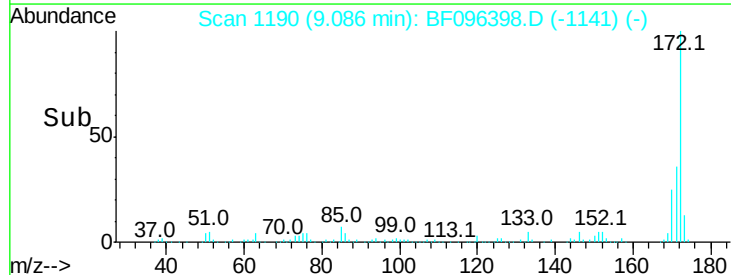
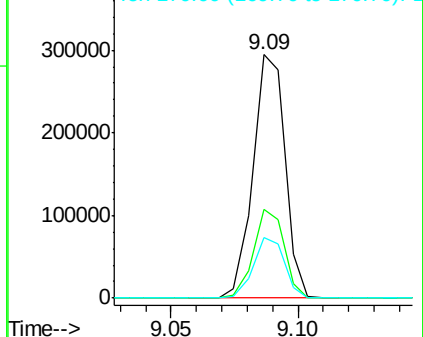


#44  
 2-Fluorobiphenyl  
 Concen: 33.94 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

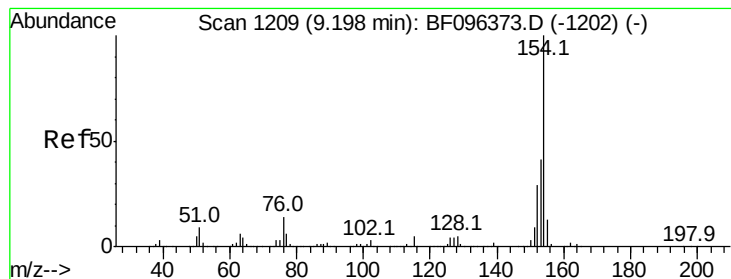
Tgt Ion:172 Resp: 261421  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.6 44.4  
 170 25.0 19.8 29.8



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: 12.05 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

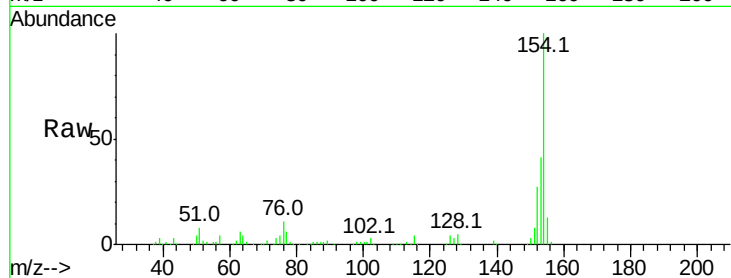
Tot Ion:154 Resp: 135957

Ion Ratio Lower Upper

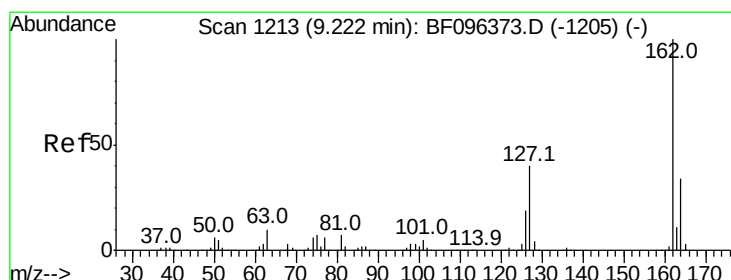
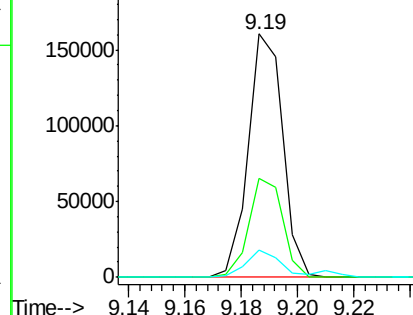
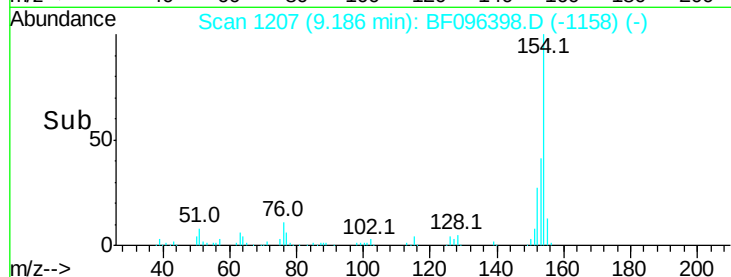
154 100

153 40.6 21.2 61.2

76 11.4 0.0 29.9



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: 12.17 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

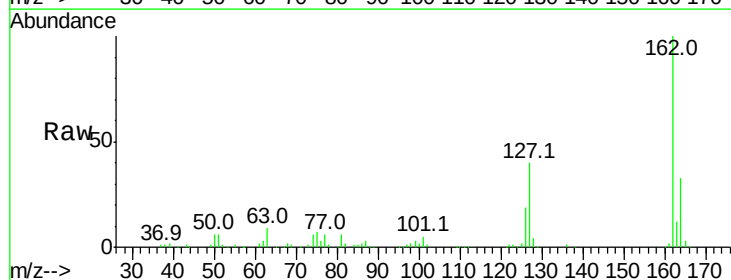
Tgt Ion:162 Resp: 102339

Ion Ratio Lower Upper

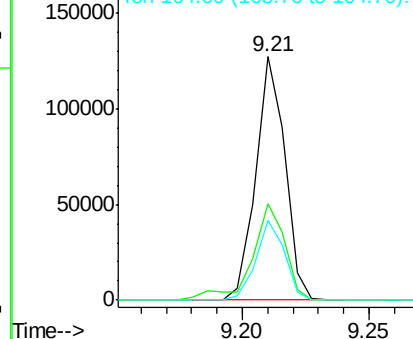
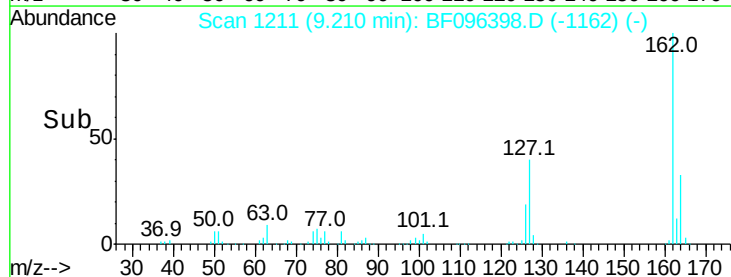
162 100

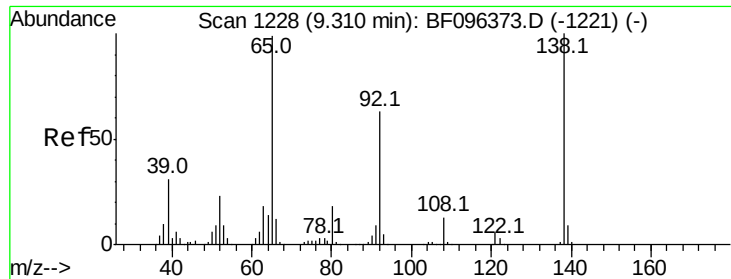
127 39.7 28.3 42.5

164 33.0 27.0 40.4



Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

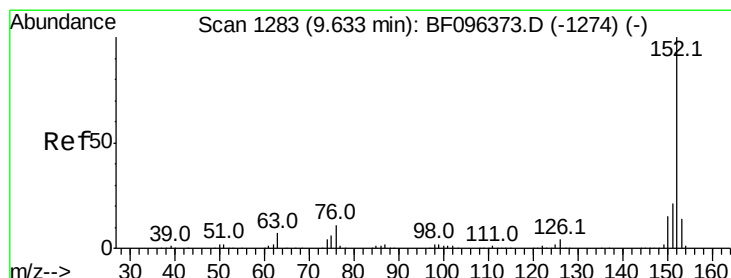
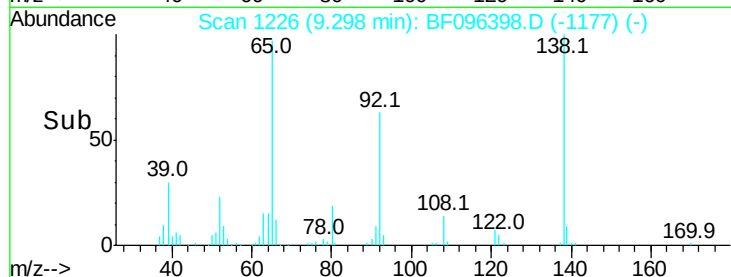
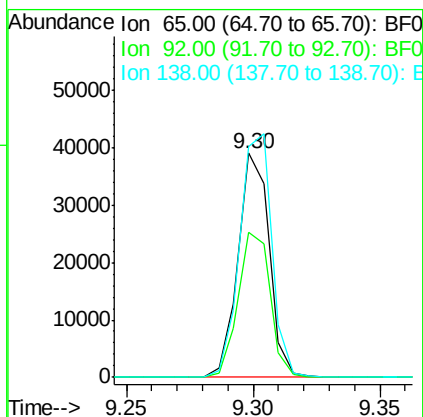
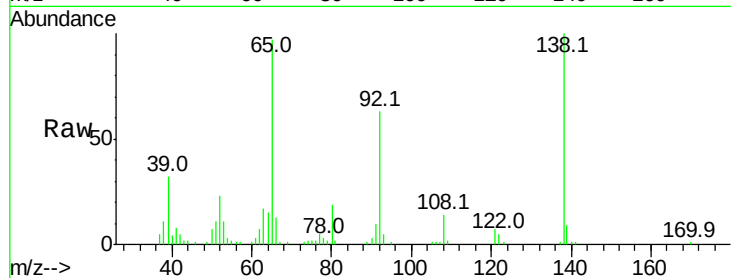




#47  
2-Nitroaniline  
Concen: 10.85 ng  
RT: 9.30 min Scan# 1226  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

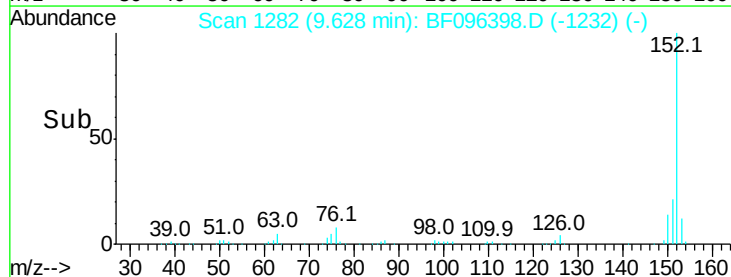
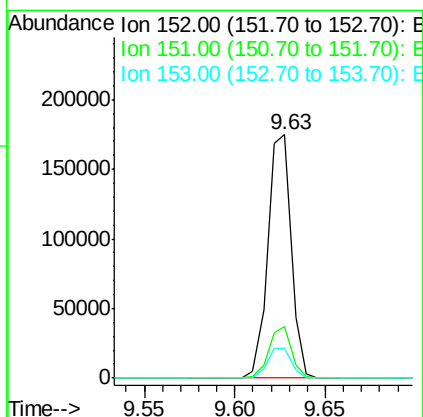
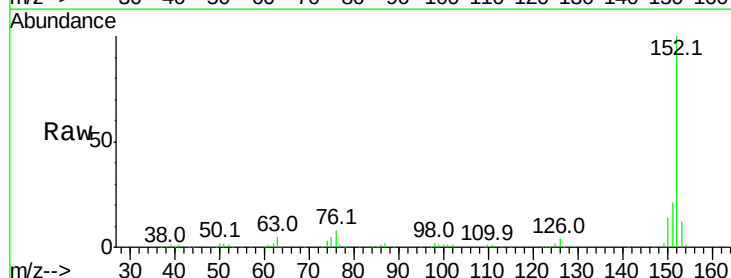
Instrument :  
BNA\_F  
ClientSampled :

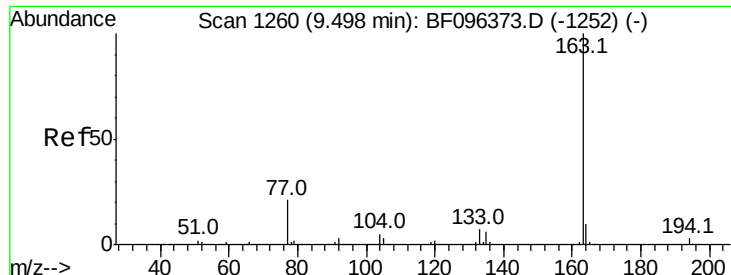
Tot Ion: 65 Resp: 33202  
Ion Ratio Lower Upper  
65 100  
92 64.7 53.9 80.9  
138 103.0 78.8 118.2



#48  
Acenaphthylene  
Concen: 11.83 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Tgt Ion:152 Resp: 157586  
Ion Ratio Lower Upper  
152 100  
151 21.0 16.8 25.2  
153 12.3 10.8 16.2

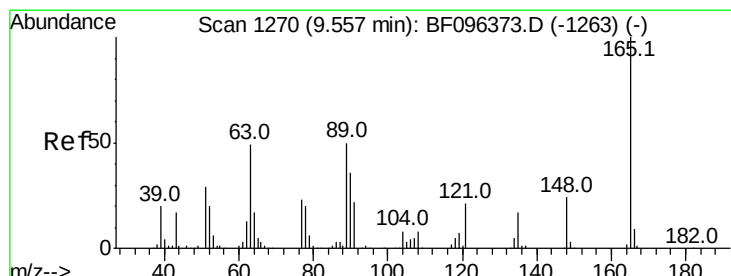
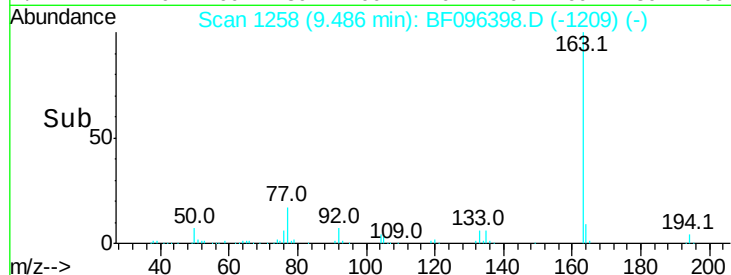
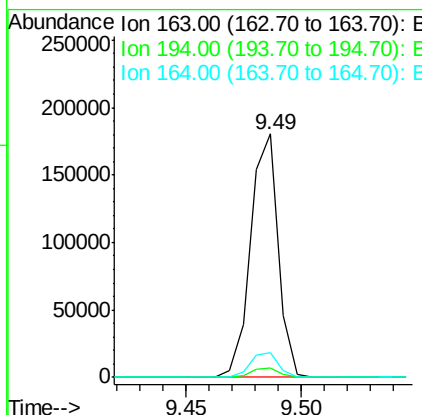
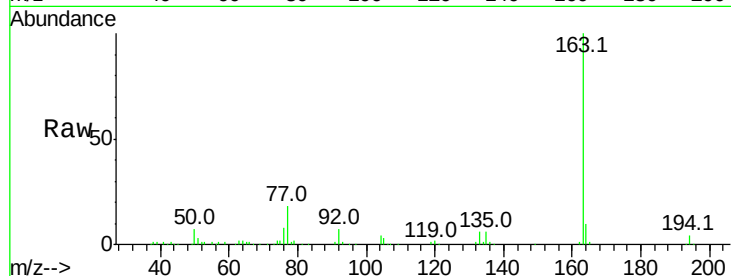




#49  
Dimethylphthalate  
Concen: 15.33 ng  
RT: 9.49 min Scan# 1258  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

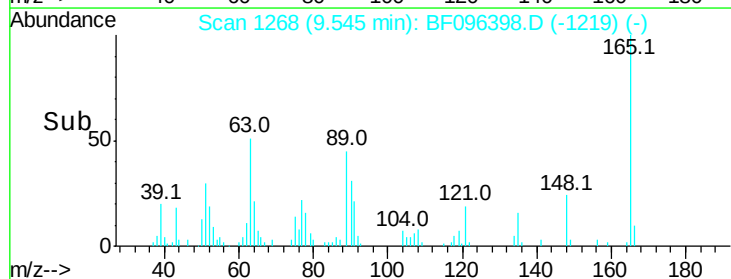
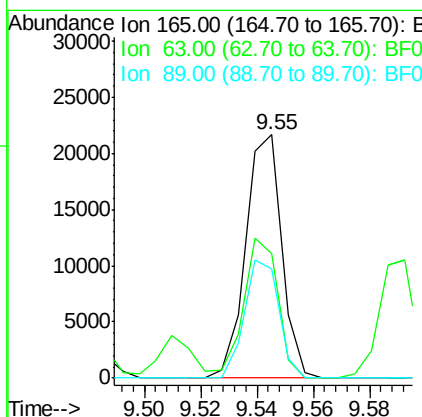
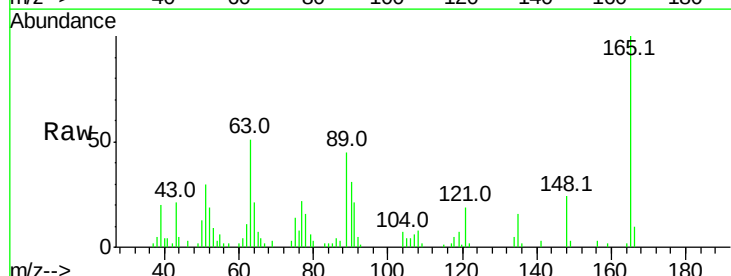
Instrument :  
BNA\_F  
ClientSampleId :

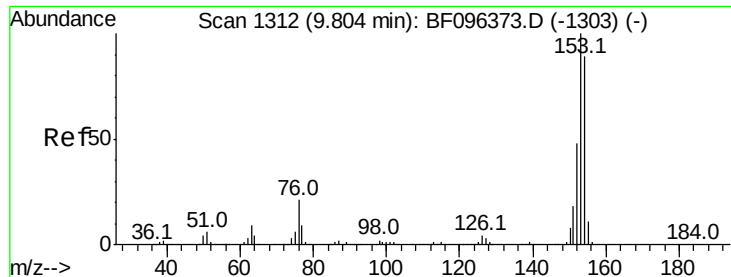
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.6   | 2.6   | 4.0   |
| 164     | 10.1  | 8.4   | 12.6  |



#50  
2,6-Dinitrotoluene  
Concen: 8.83 ng  
RT: 9.55 min Scan# 1268  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 51.0  | 34.3  | 51.5  |
| 89      | 45.1  | 37.1  | 55.7  |





#51

Acenaphthene

Concen: 11.26 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

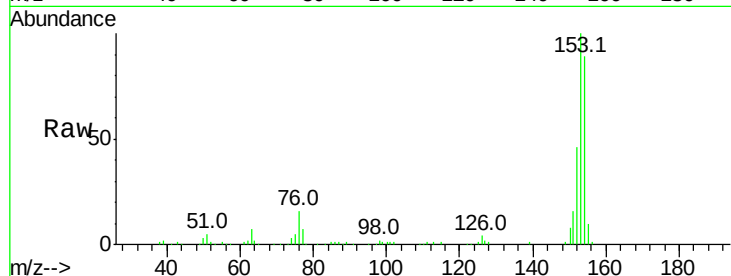
Tot Ion:154 Resp: 92460

Ion Ratio Lower Upper

154 100

153 112.7 90.5 135.7

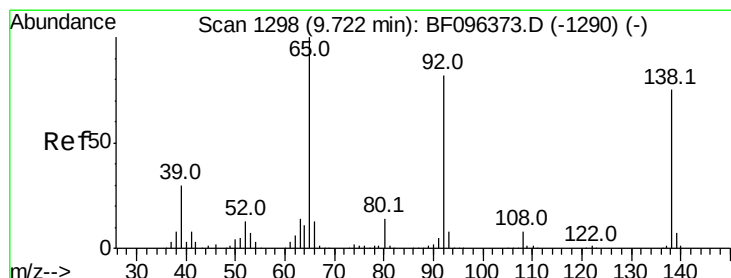
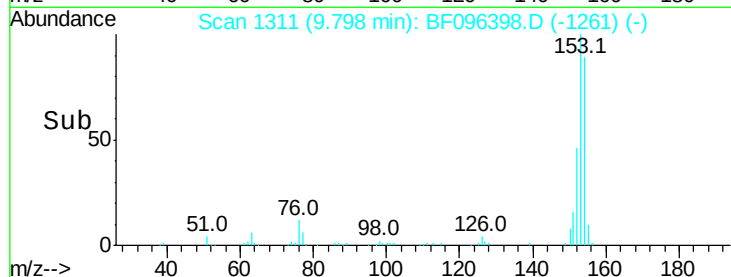
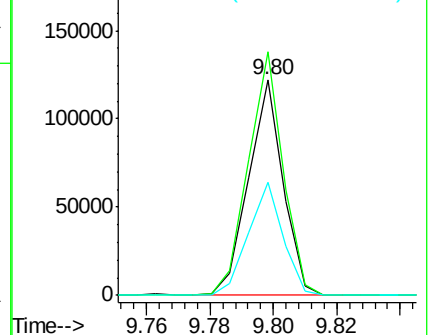
152 52.3 43.6 65.4



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: 11.79 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

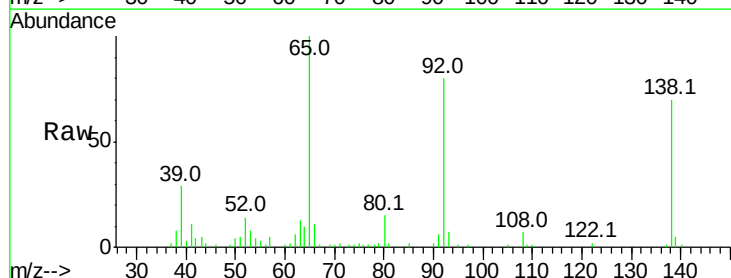
Tgt Ion:138 Resp: 31954

Ion Ratio Lower Upper

138 100

108 10.6 9.1 13.7

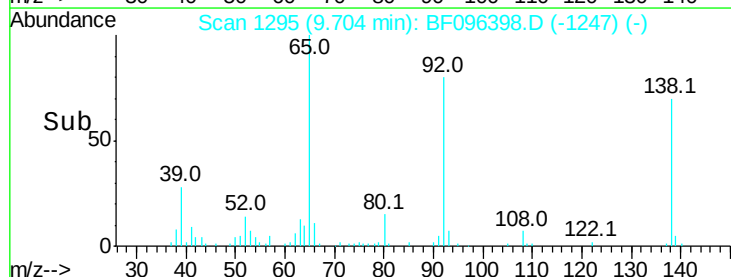
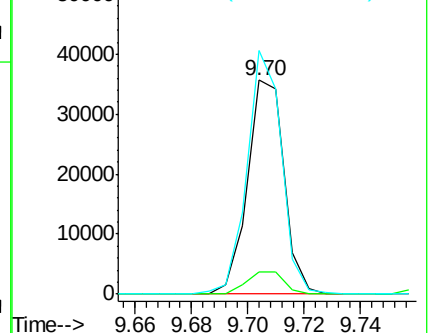
92 113.8 93.8 140.6

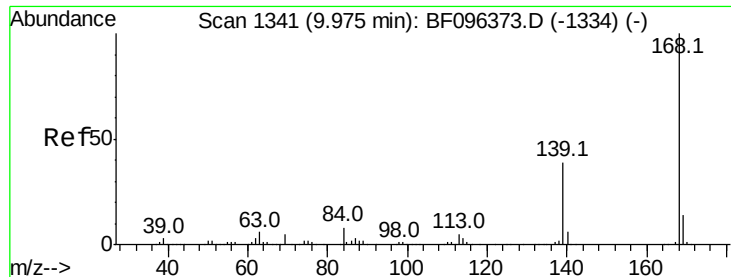


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzenofuran

Concen: 12.78 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

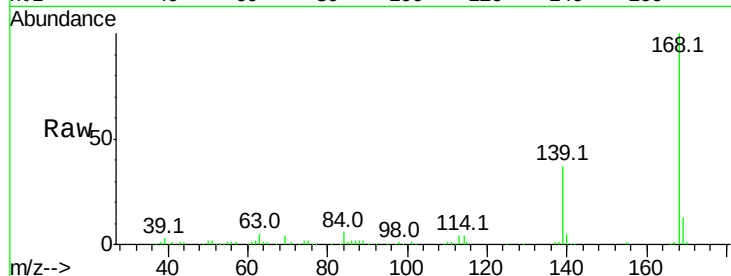
Tot Ion:168 Resp: 138598

Ion Ratio Lower Upper

168 100

139 37.1 30.6 45.8

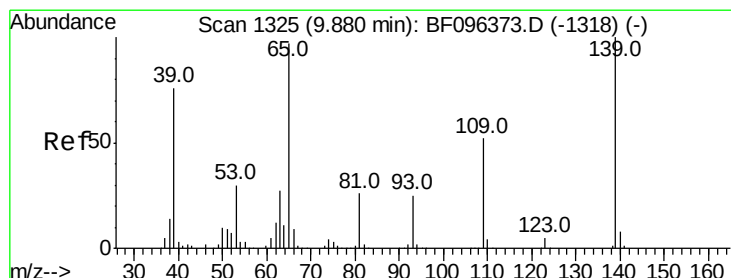
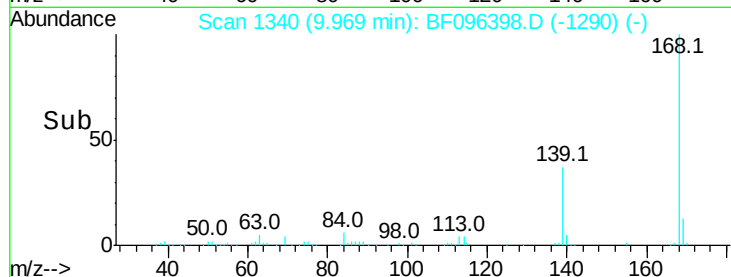
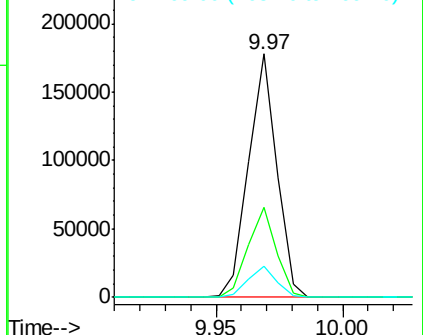
169 12.9 10.8 16.2



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: 10.82 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

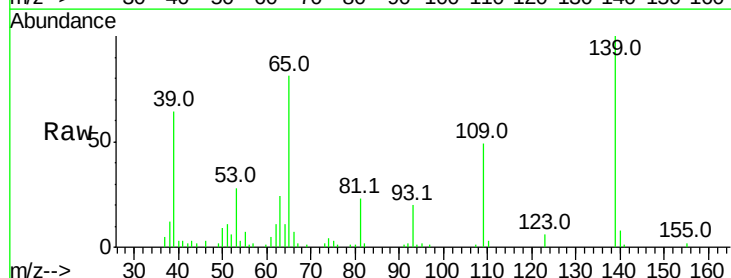
Tgt Ion:139 Resp: 24324

Ion Ratio Lower Upper

139 100

109 48.9 34.1 74.1

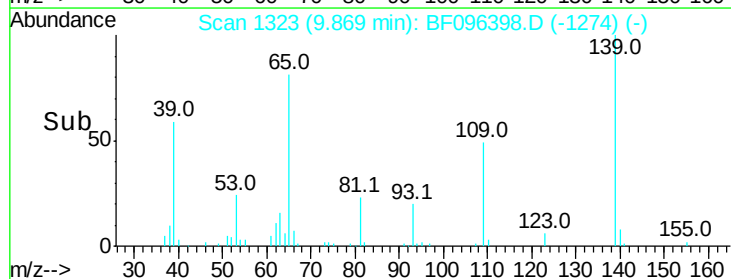
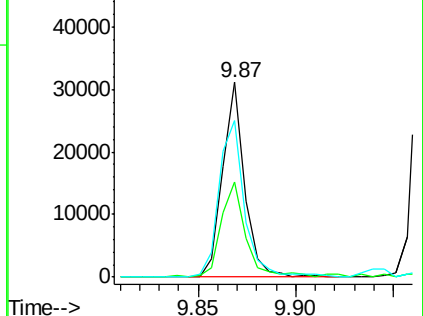
65 80.6 31.4 71.4#

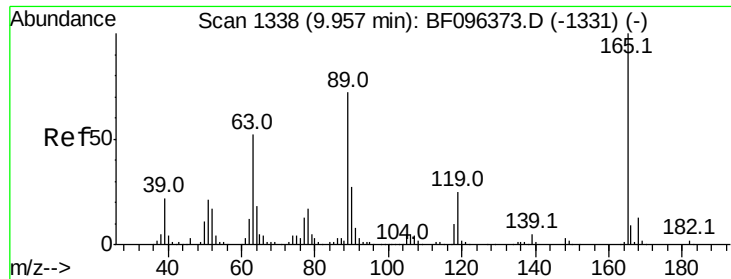


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 7.91 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampled :

Tot Ion:165 Resp: 21778

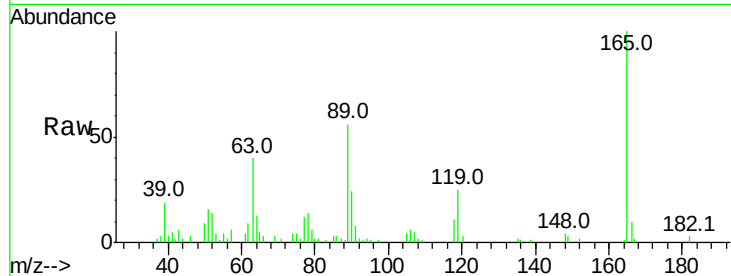
Ion Ratio Lower Upper

165 100

63 39.6 25.4 38.0#

89 56.0 46.4 69.6

182 2.6 1.8 2.6#

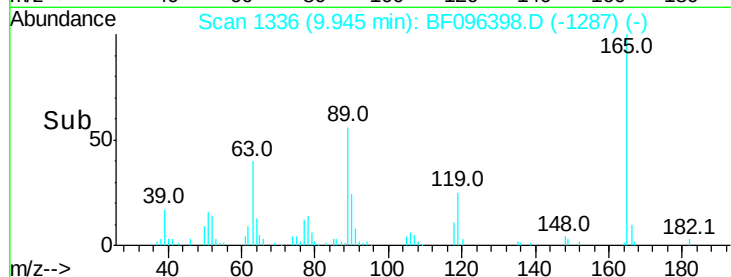


Abundance Ion 165.00 (164.70 to 165.70): E

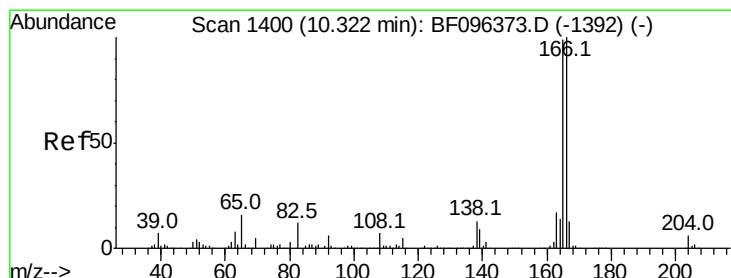
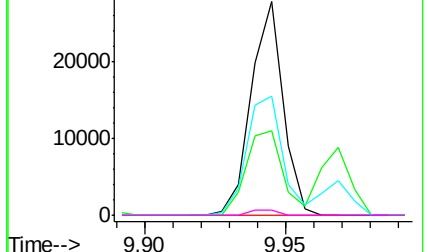
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#57

Fluorene

Concen: 13.81 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

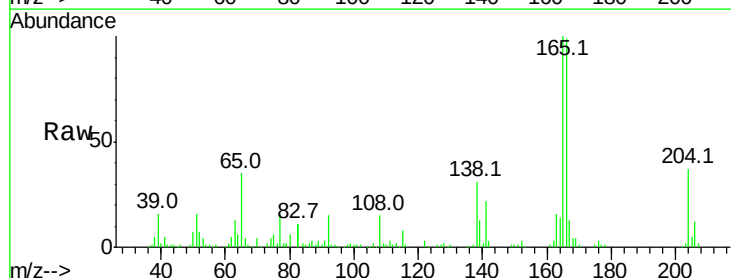
Tgt Ion:166 Resp: 105795

Ion Ratio Lower Upper

166 100

165 100.6 78.8 118.2

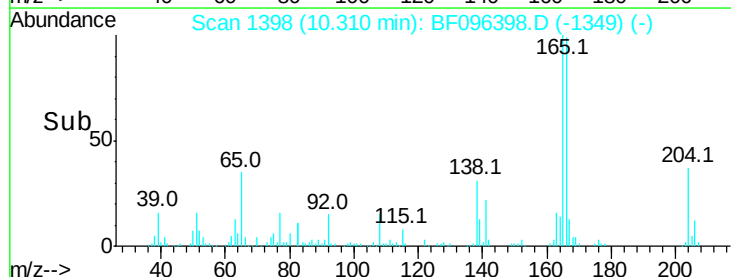
167 13.1 10.6 16.0



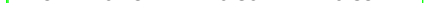
Abundance Ion 166.00 (165.70 to 166.70): E

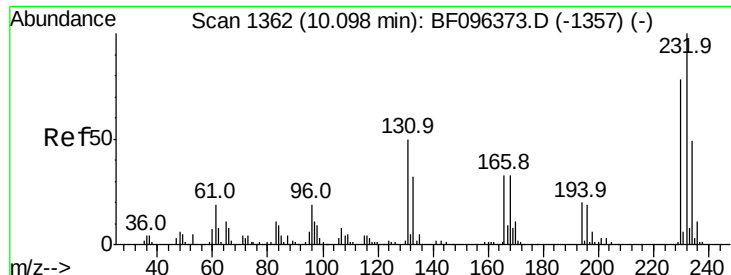
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

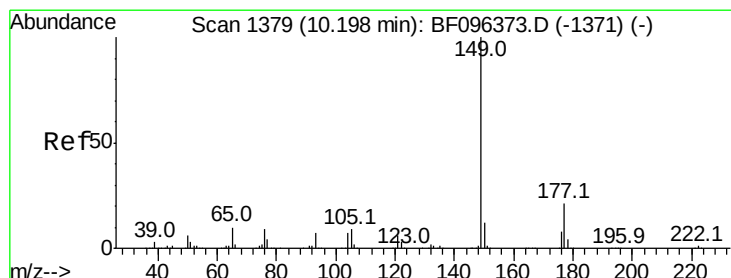
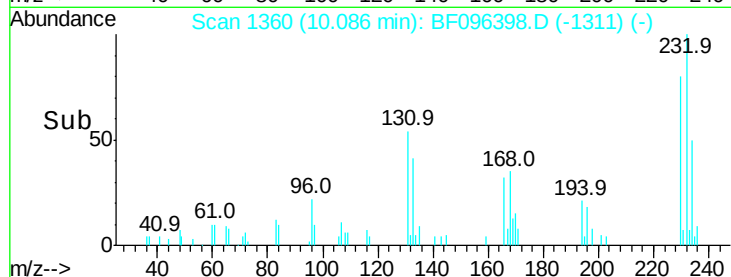
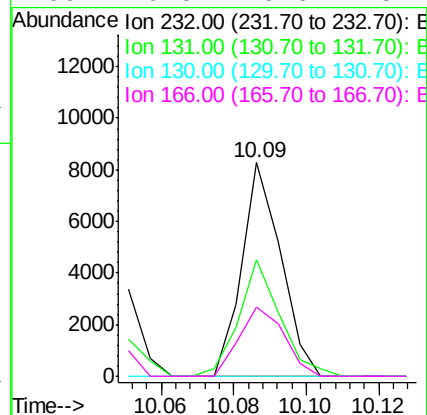
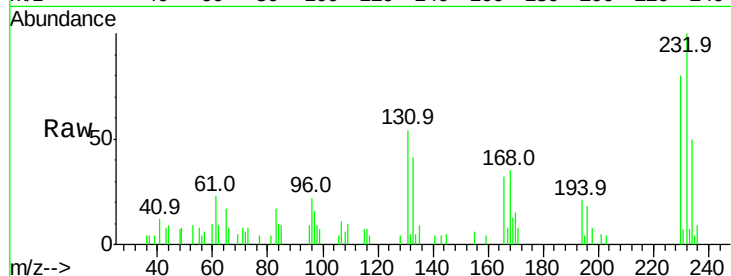




#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 3.34 ng  
 RT: 10.09 min Scan# 1360  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

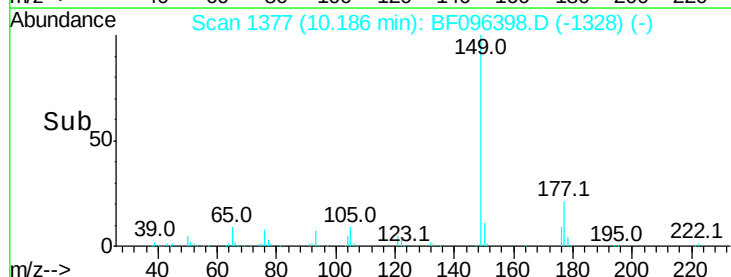
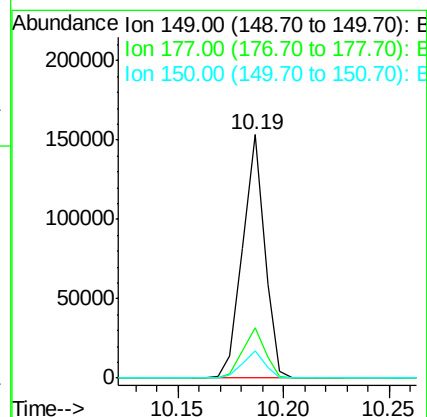
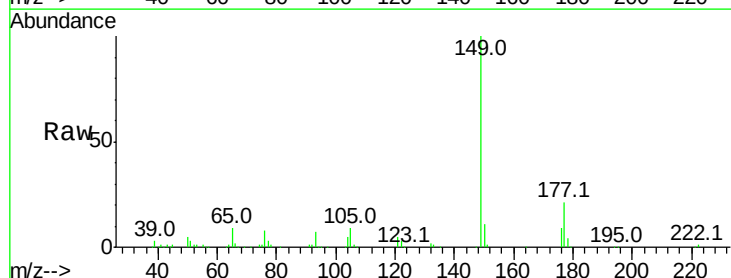
Instrument :  
 BNA\_F  
 ClientSampleId :

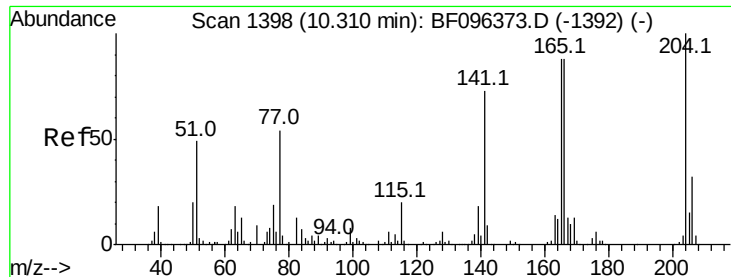
Tot Ion:232 Resp: 6182  
 Ion Ratio Lower Upper  
 232 100  
 131 58.2 44.8 67.2  
 130 0.0 2.3 3.5#  
 166 0.0 29.0 43.4#



#59  
 Diethylphthalate  
 Concen: 11.95 ng  
 RT: 10.19 min Scan# 1377  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Tgt Ion:149 Resp: 111061  
 Ion Ratio Lower Upper  
 149 100  
 177 20.5 16.7 25.1  
 150 11.3 10.2 15.2

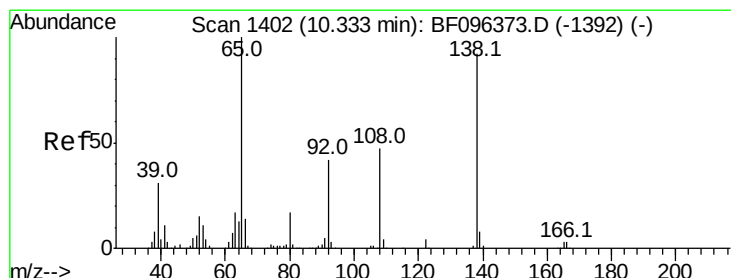
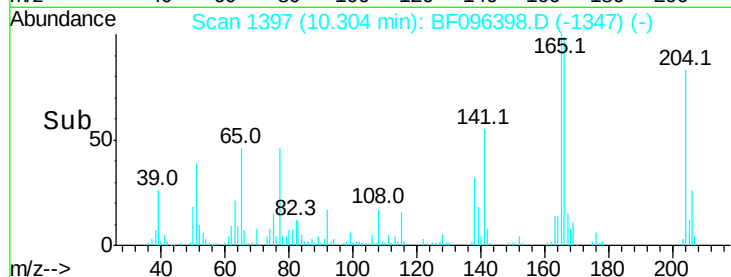
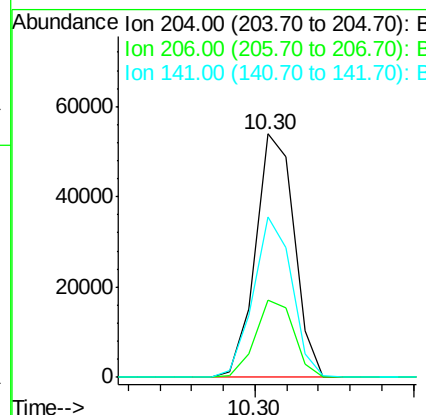
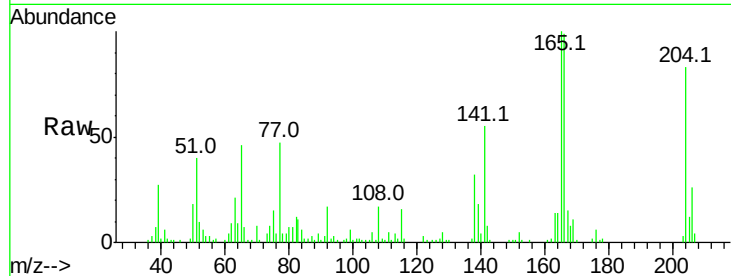




#60  
 4-Chlorophenyl-phenylether  
 Concen: 13.70 ng  
 RT: 10.30 min Scan# 1397  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

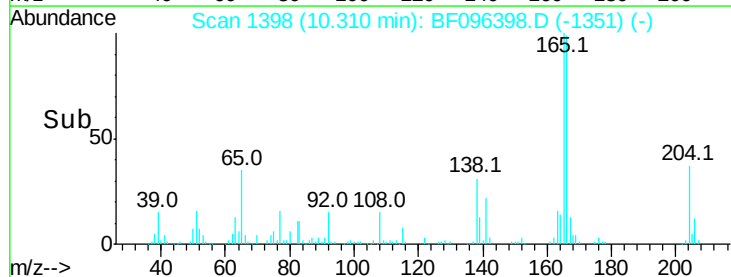
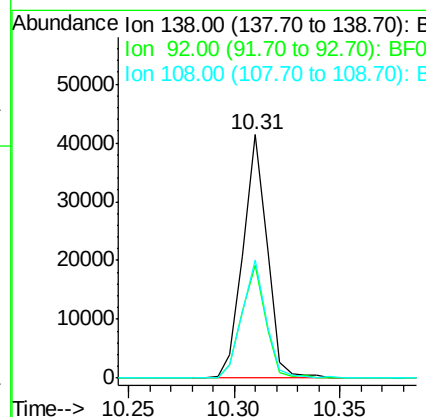
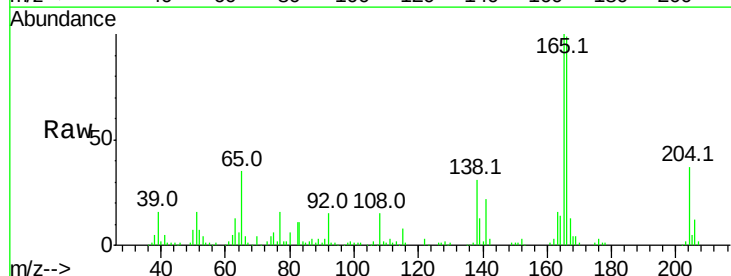
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:204 Resp: 45643  
 Ion Ratio Lower Upper  
 204 100  
 206 31.5 26.2 39.2  
 141 66.1 60.8 91.2

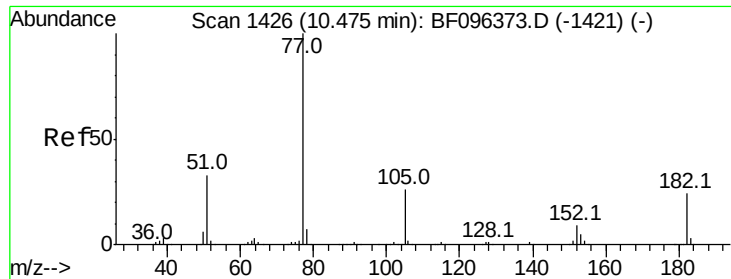


#61  
 4-Nitroaniline  
 Concen: 13.24 ng  
 RT: 10.31 min Scan# 1398  
 Delta R.T. -0.02 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Tgt Ion:138 Resp: 32641  
 Ion Ratio Lower Upper  
 138 100  
 92 46.7 21.8 61.8  
 108 48.6 42.3 82.3







#62

Azobenzene

Concen: 11.13 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 100032

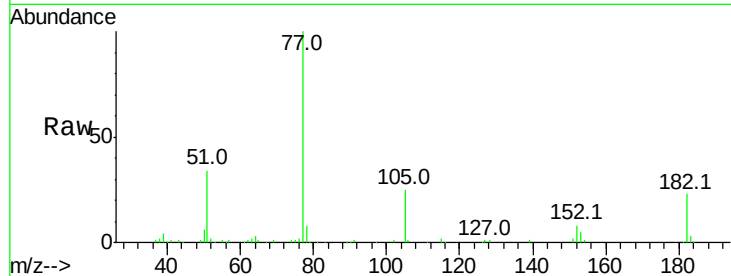
Ion Ratio Lower Upper

77 100

182 23.2 0.1 40.1

105 24.9 3.6 43.6

51 33.8 9.4 49.4

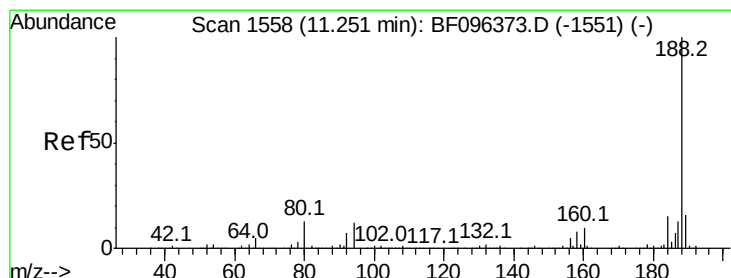
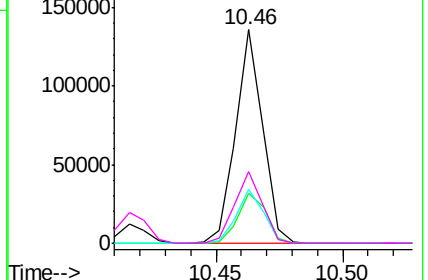
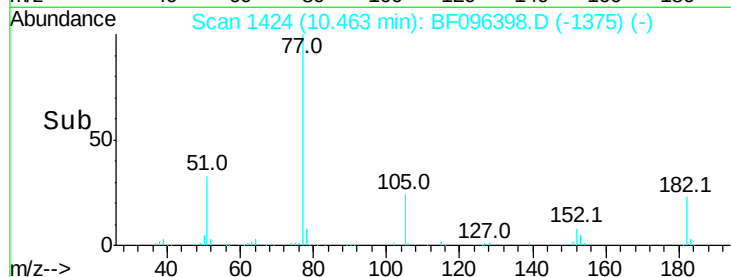


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

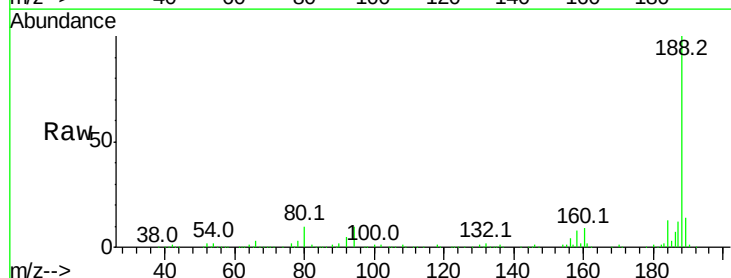
Tgt Ion: 188 Resp: 230830

Ion Ratio Lower Upper

188 100

94 9.7 9.4 14.2

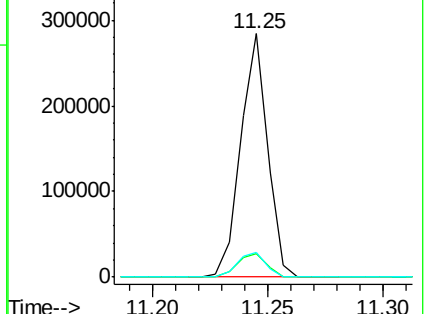
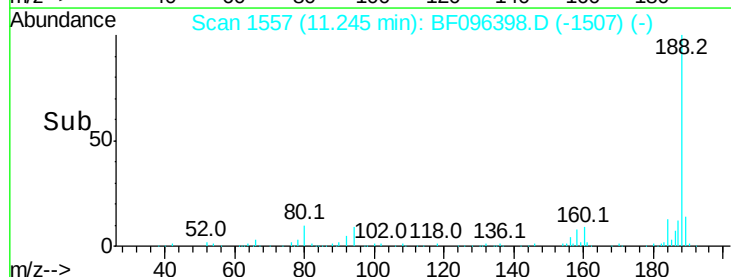
80 10.2 10.2 15.2

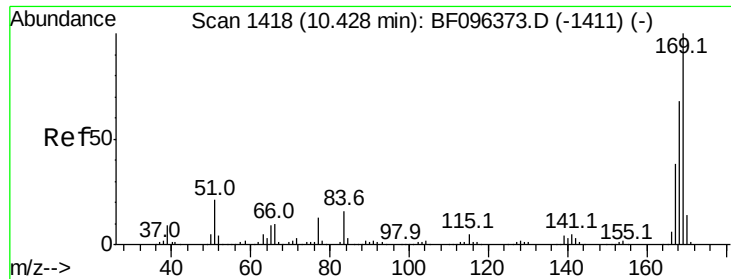


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

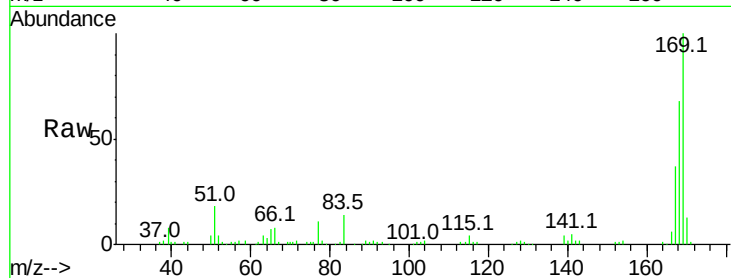




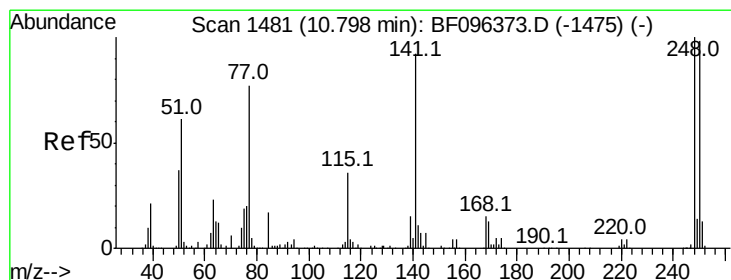
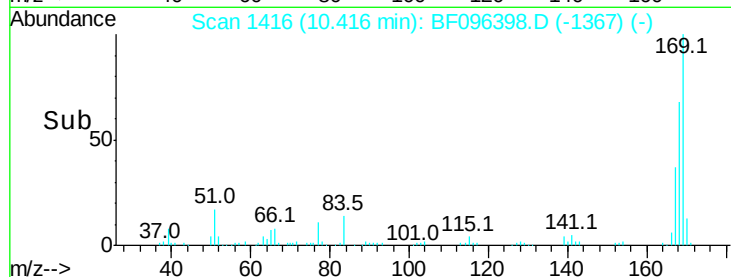
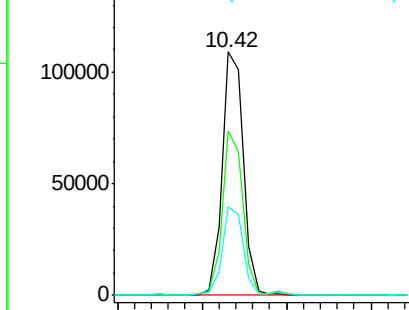
#65  
 n-Nitrosodiphenylamine  
 Concen: 11.73 ng  
 RT: 10.42 min Scan# 1416  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:169 Resp: 94973  
 Ion Ratio Lower Upper  
 169 100  
 168 67.6 53.2 79.8  
 167 36.7 29.5 44.3

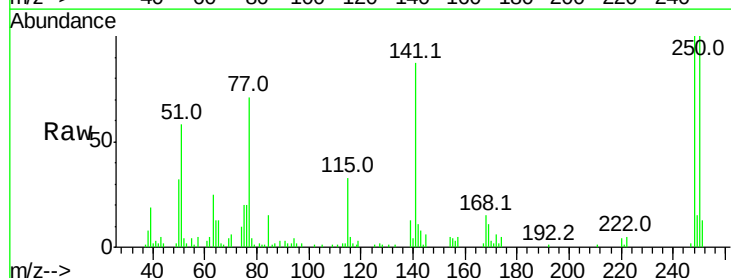


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

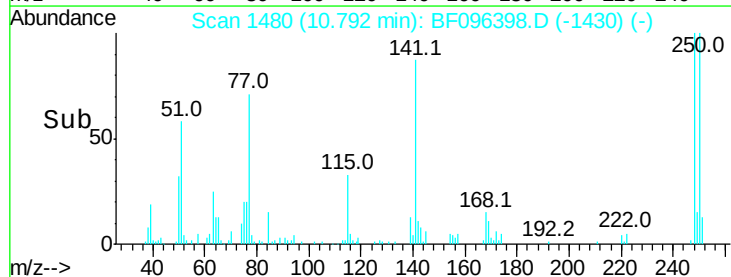
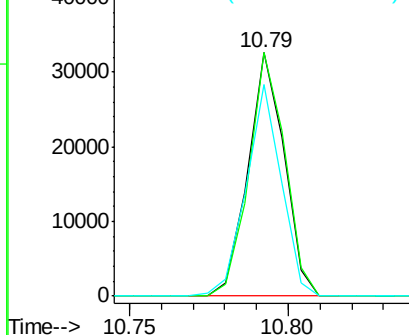


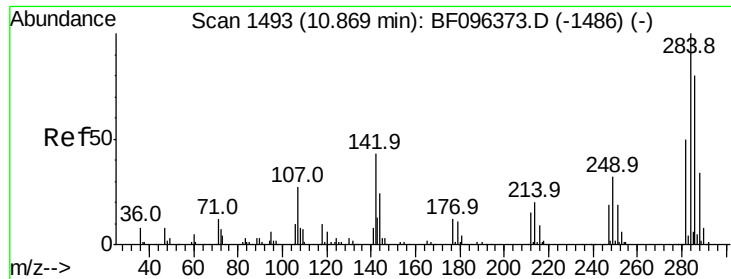
#66  
 4-Bromophenyl-phenylether  
 Concen: 11.46 ng  
 RT: 10.79 min Scan# 1480  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Tgt Ion:248 Resp: 25750  
 Ion Ratio Lower Upper  
 248 100  
 250 100.1 76.8 115.2  
 141 87.0 68.6 103.0



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: 11.35 ng

RT: 10.86 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampled :

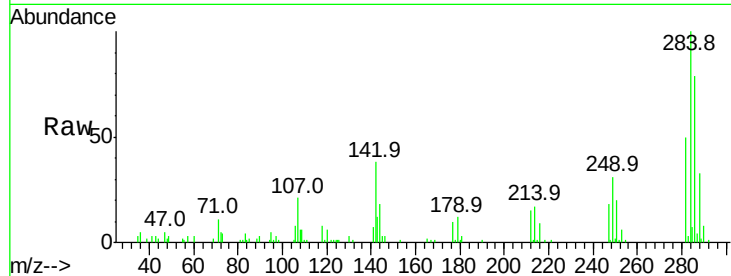
Tot Ion:284 Resp: 27926

Ion Ratio Lower Upper

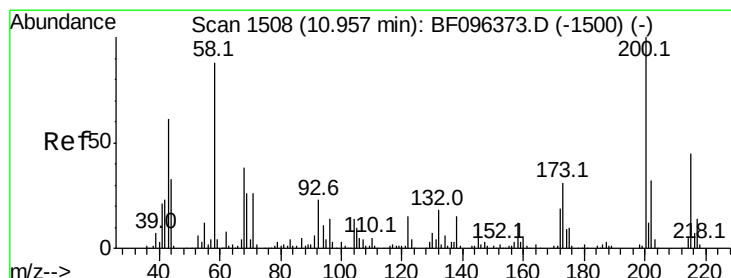
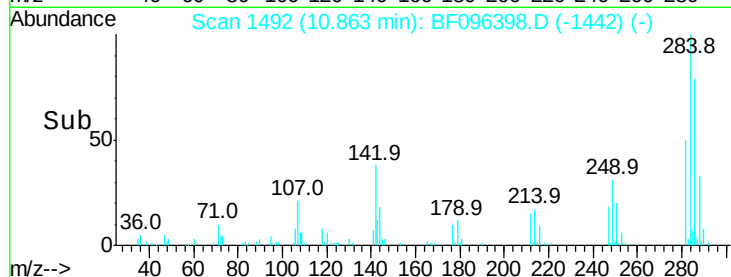
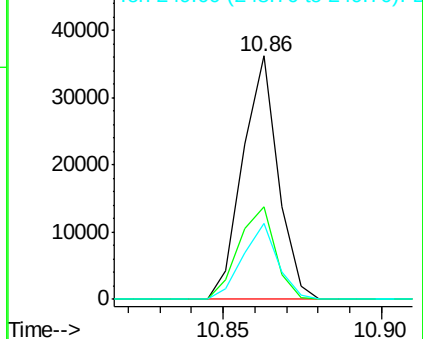
284 100

142 38.1 22.8 34.2#

249 31.2 24.0 36.0



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: 11.60 ng

RT: 10.95 min Scan# 1506

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

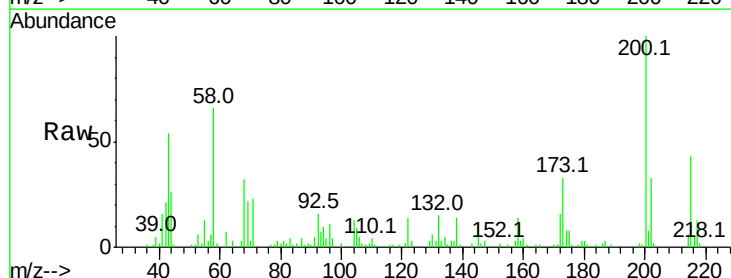
Tgt Ion:200 Resp: 26839

Ion Ratio Lower Upper

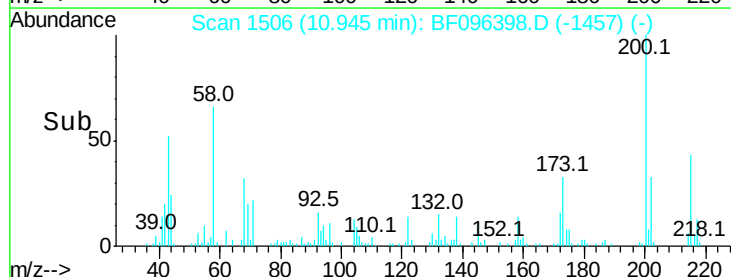
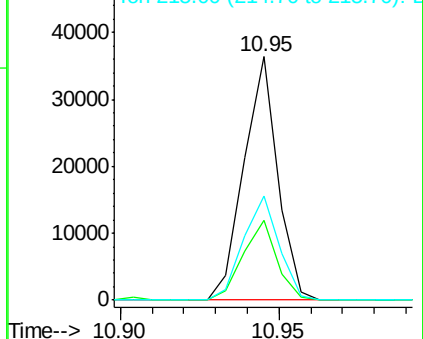
200 100

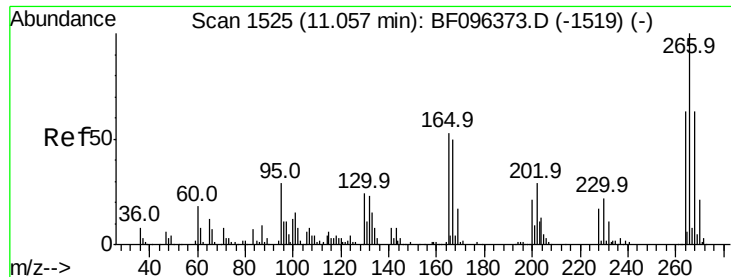
173 32.7 6.3 46.3

215 42.6 27.2 67.2



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

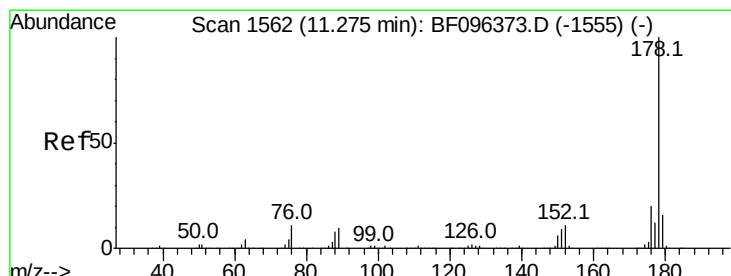
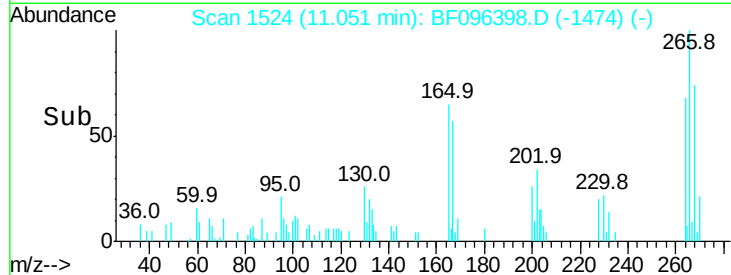
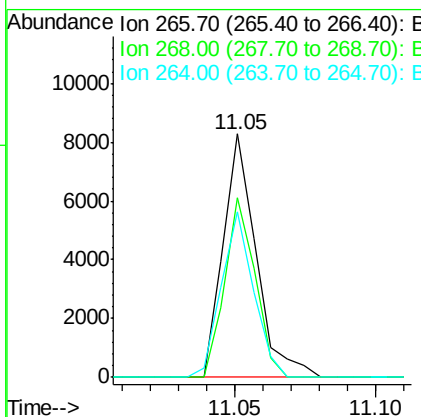
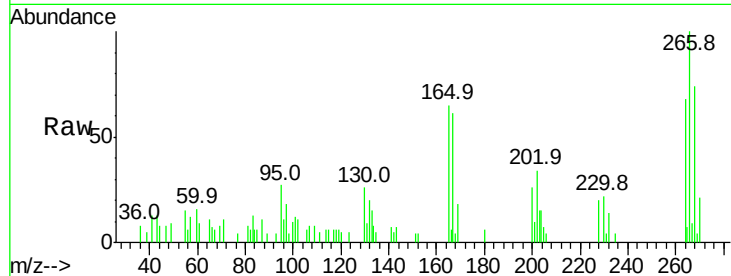




#69  
**Pentachlorophenol**  
 Concen: 4.60 ng  
 RT: 11.05 min Scan# 1524  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

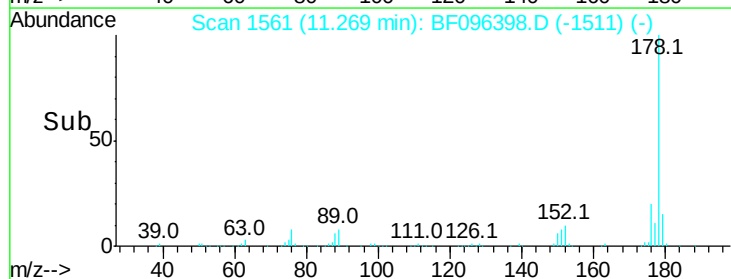
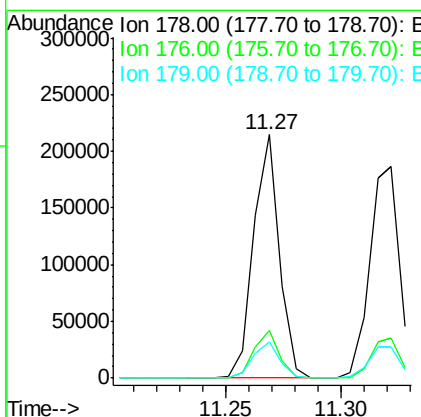
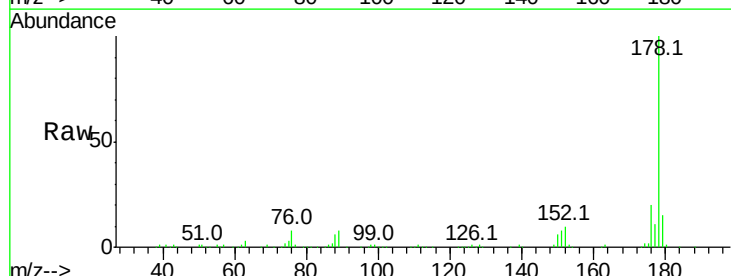
Instrument :  
 BNA\_F  
 ClientSampleId :

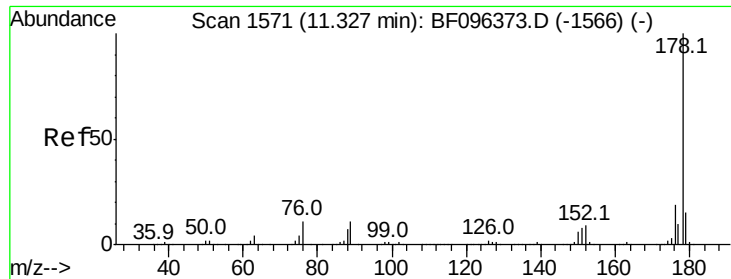
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 266   | Resp: | 6700  |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 268      | 74.0  | 51.1  | 76.7  |
| 264      | 67.8  | 51.7  | 77.5  |



#70  
**Phenanthrene**  
 Concen: 13.44 ng  
 RT: 11.27 min Scan# 1561  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 178   | Resp: | 167648 |
| Ion      | Ratio | Lower | Upper  |
| 178      | 100   |       |        |
| 176      | 19.7  | 16.2  | 24.4   |
| 179      | 14.8  | 12.6  | 19.0   |

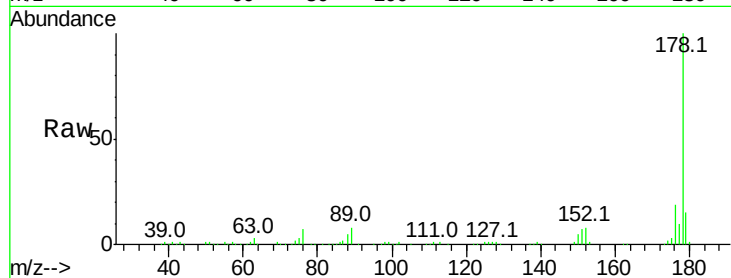




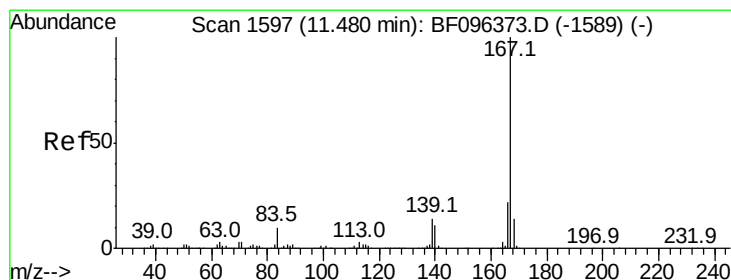
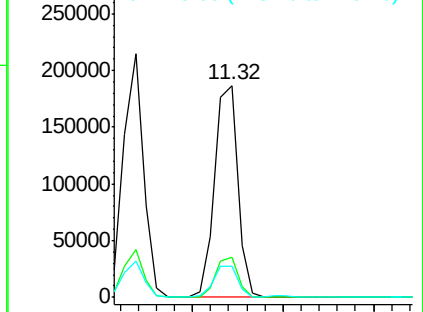
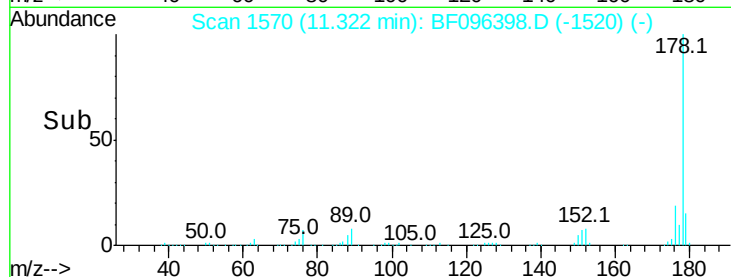
#71  
 Anthracene  
 Concen: 13.16 ng  
 RT: 11.32 min Scan# 1570  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:178 Resp: 167286  
 Ion Ratio Lower Upper  
 178 100  
 176 18.8 15.8 23.8  
 179 14.7 12.7 19.1

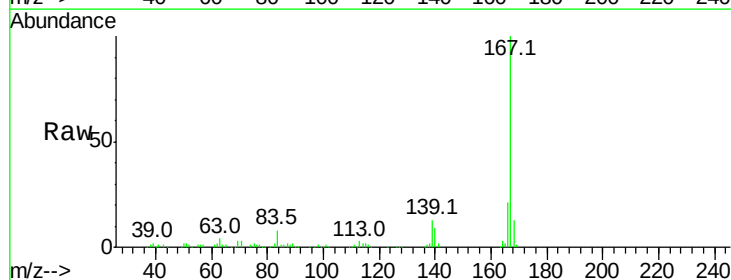


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

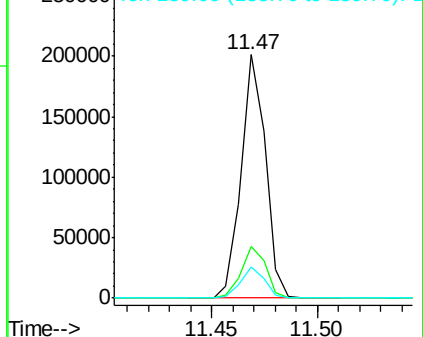
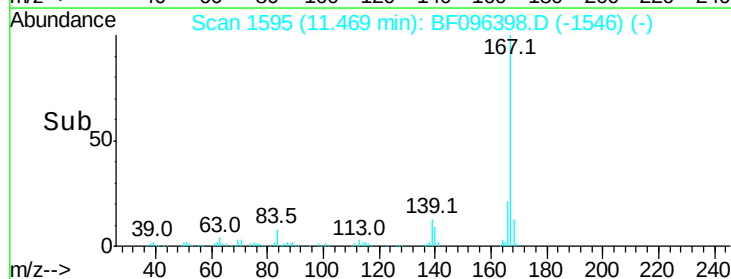


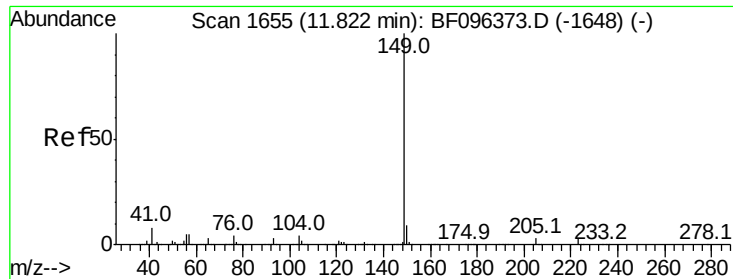
#72  
 Carbazole  
 Concen: 12.51 ng  
 RT: 11.47 min Scan# 1595  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Tgt Ion:167 Resp: 160002  
 Ion Ratio Lower Upper  
 167 100  
 166 21.2 18.1 27.1  
 139 13.0 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 11.99 ng

RT: 11.82 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BF096398.D

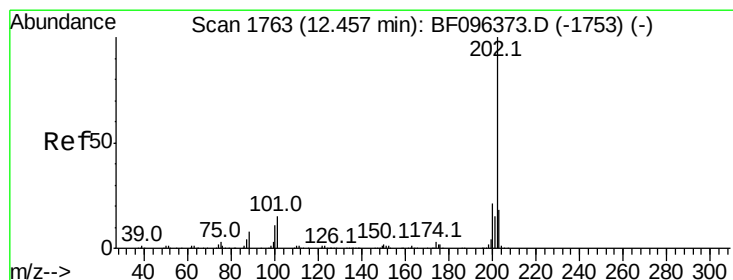
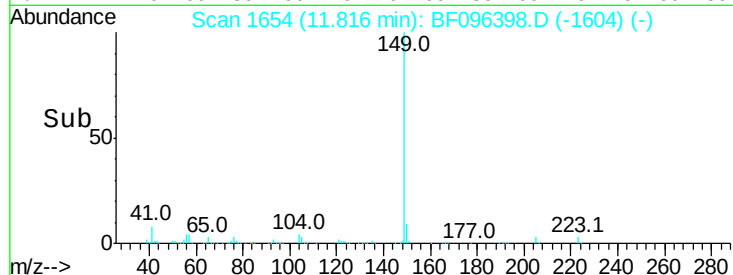
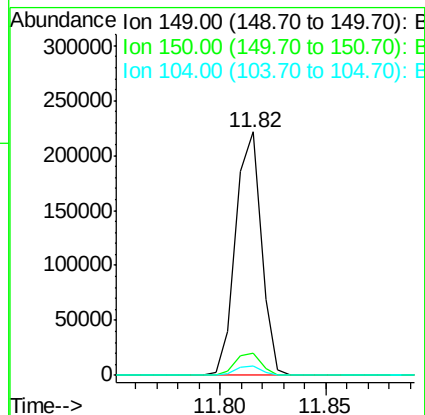
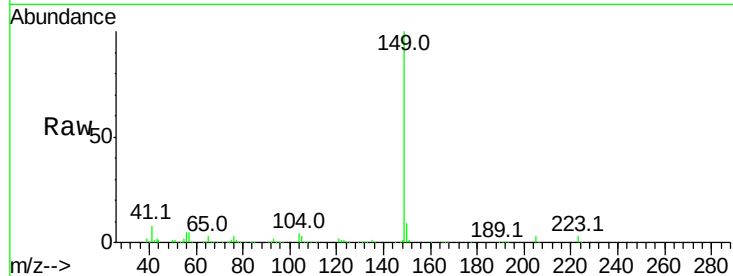
Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 149   | Resp: | 185759 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 150      | 9.1   | 7.7   | 11.5   |
| 104      | 4.0   | 4.0   | 6.0#   |



#74

Fluoranthene

Concen: 15.44 ng

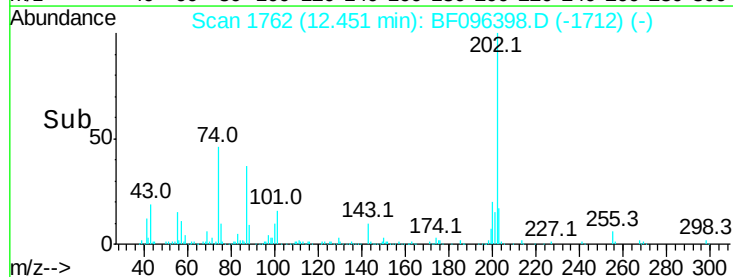
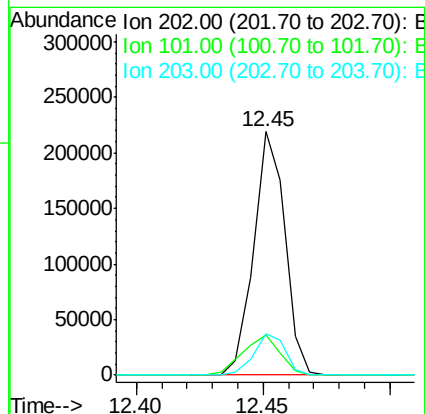
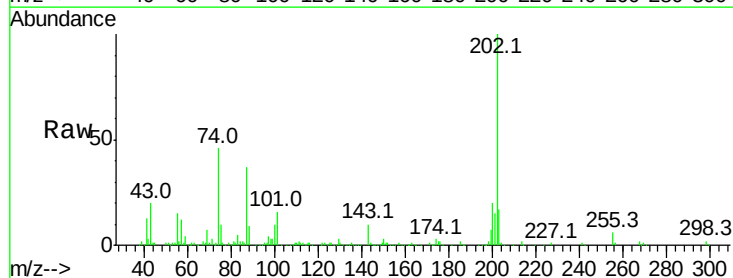
RT: 12.45 min Scan# 1762

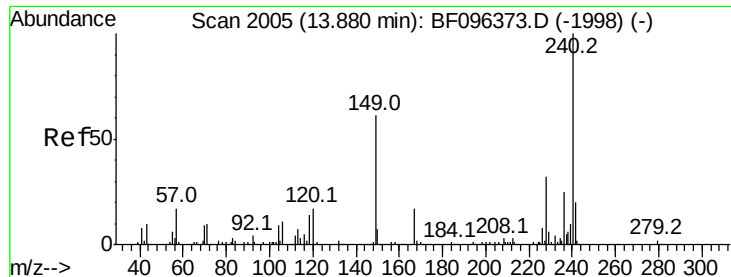
Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 188923 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 16.3  | 0.0   | 33.2   |
| 203      | 16.9  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

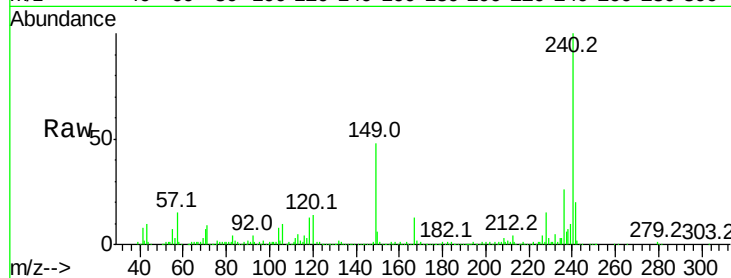
Tot Ion:240 Resp: 213555

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

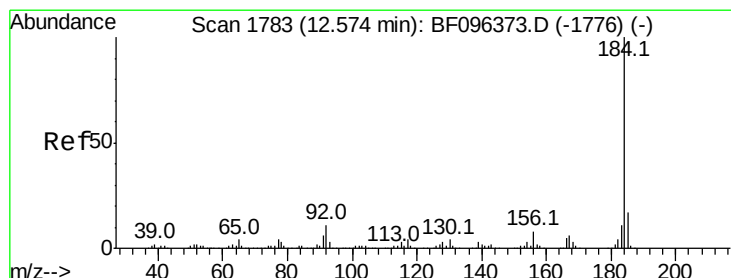
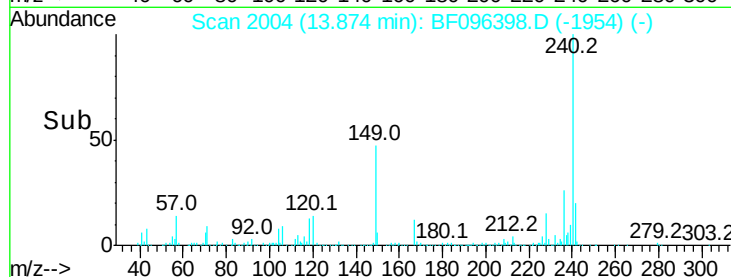
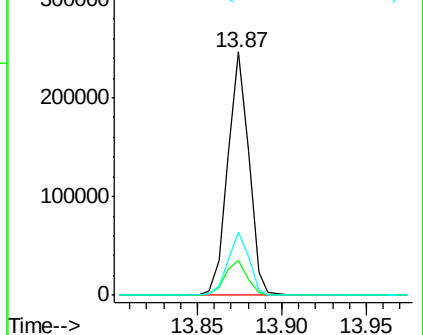
236 26.0 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 8.28 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.00 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

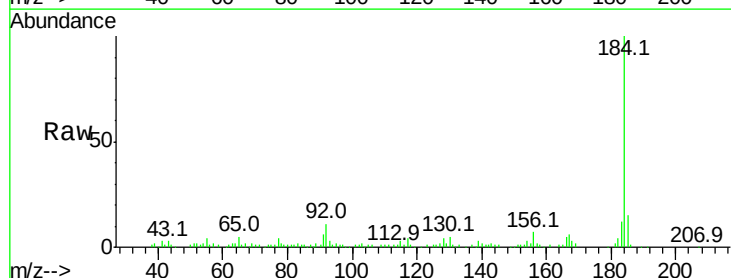
Tgt Ion:184 Resp: 84872

Ion Ratio Lower Upper

184 100

185 14.9 15.5 23.3#

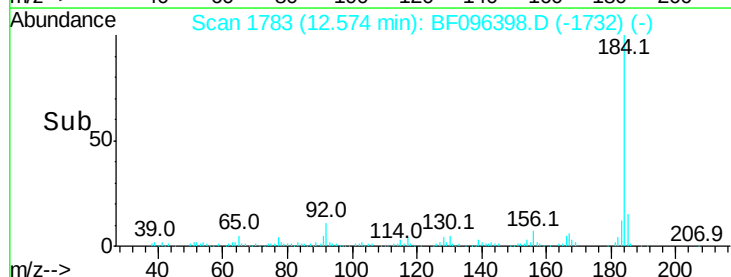
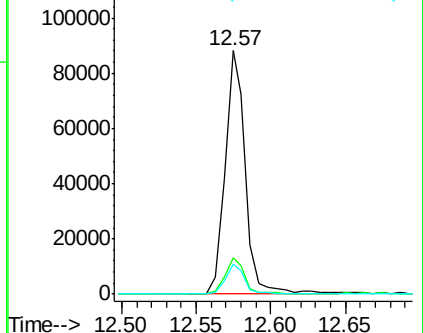
183 12.4 9.8 14.6

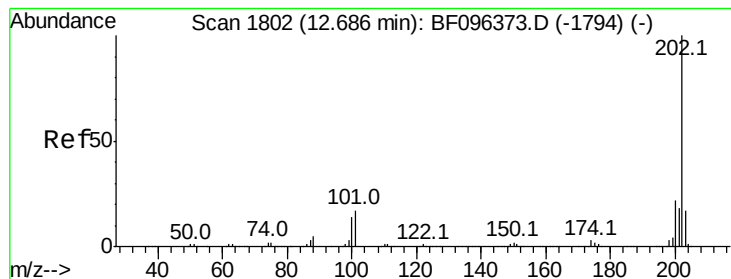


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 11.76 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

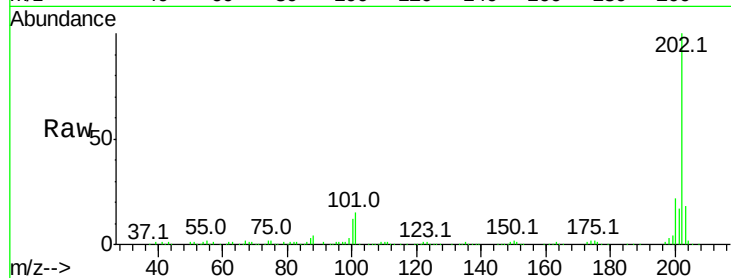
Tot Ion:202 Resp: 201579

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

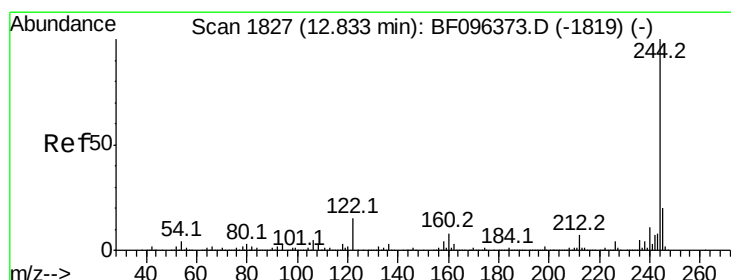
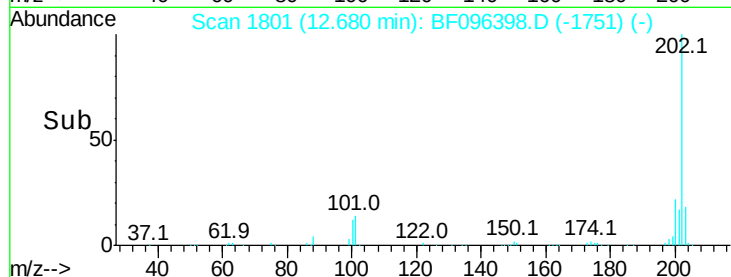
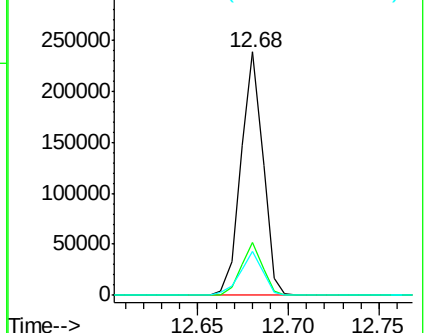
203 17.9 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 22.81 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

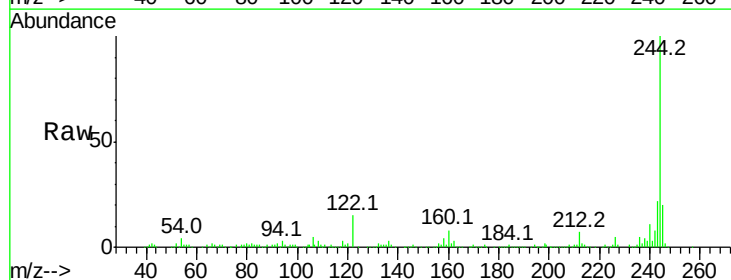
Tgt Ion:244 Resp: 227967

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

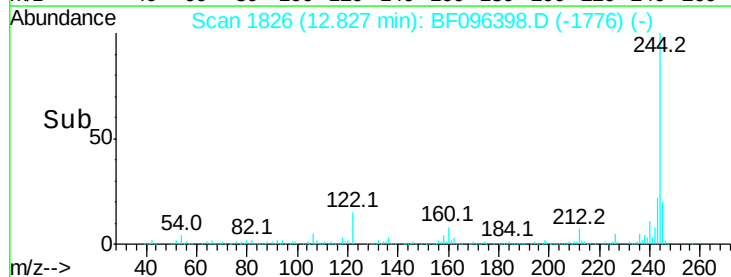
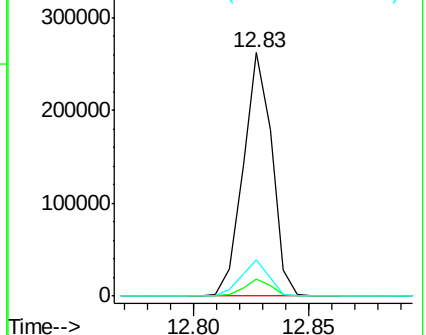
122 14.7 10.3 15.5



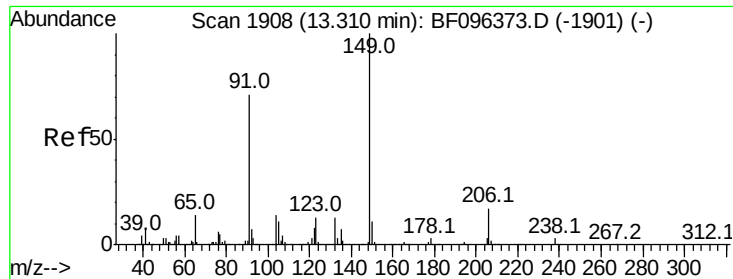
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



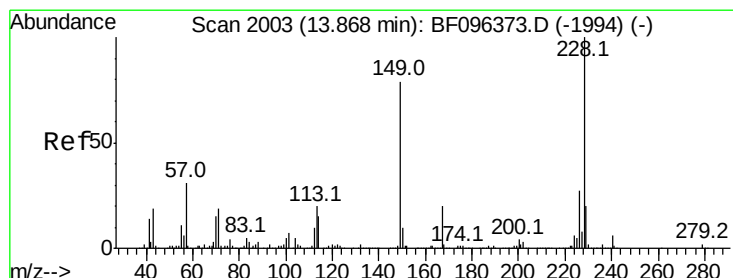
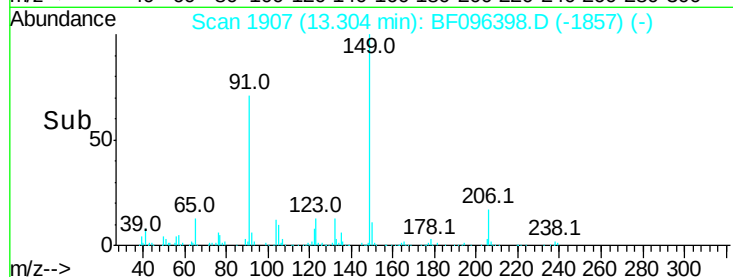
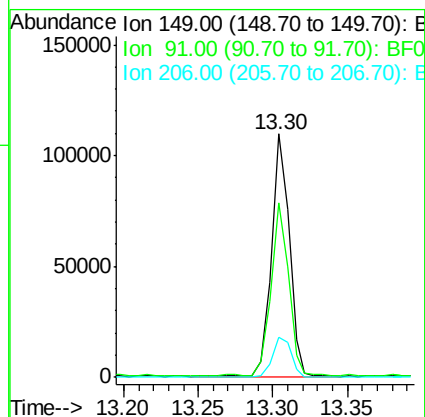
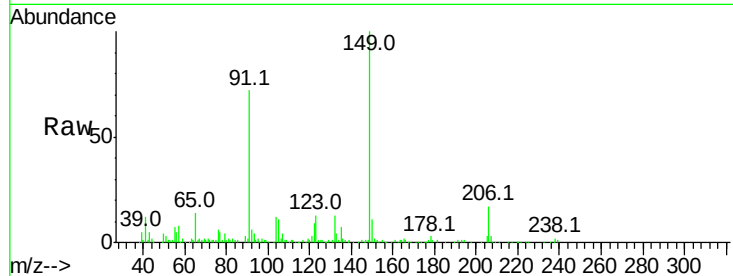




#79  
Butylbenzylphthalate  
Concen: 10.36 ng  
RT: 13.30 min Scan# 1907  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

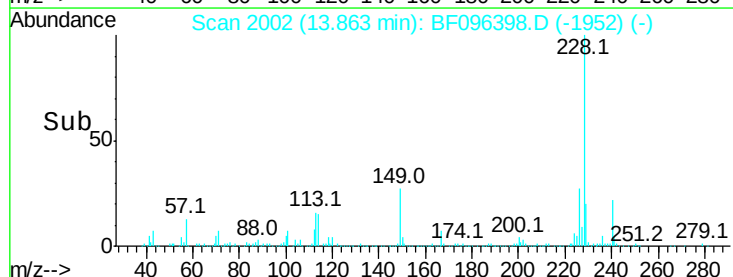
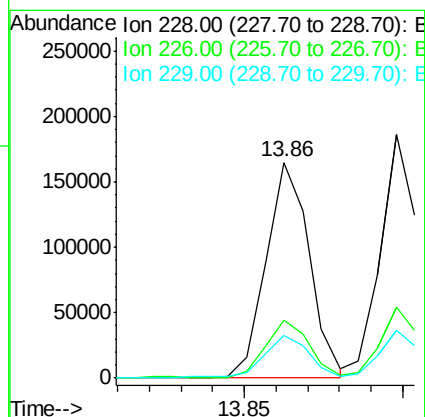
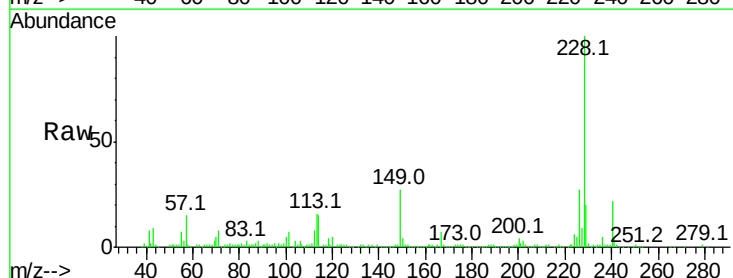
Instrument :  
BNA\_F  
ClientSampled :

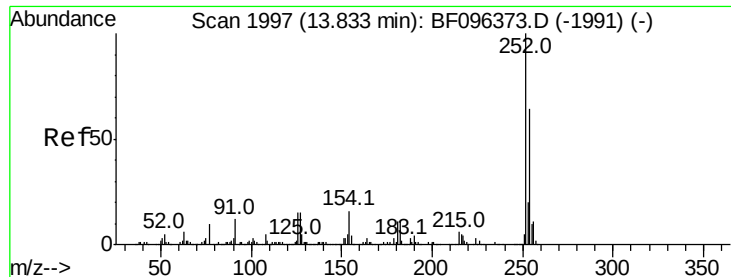
Tot Ion:149 Resp: 89878  
Ion Ratio Lower Upper  
149 100  
91 71.8 45.0 67.4#  
206 16.5 17.0 25.6#



#80  
Benzo(a)anthracene  
Concen: 12.60 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Tgt Ion:228 Resp: 155829  
Ion Ratio Lower Upper  
228 100  
226 27.0 22.6 33.8  
229 20.0 16.3 24.5

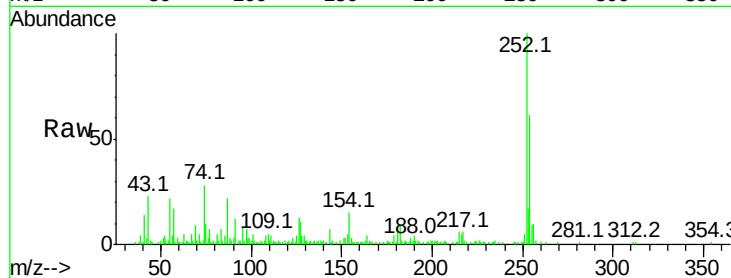




#81  
 3,3'-Dichlorobenzidine  
 Concen: 9.56 ng  
 RT: 13.83 min Scan# 1996  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 61.1  | 51.5  | 77.3  |
| 126     | 12.8  | 15.8  | 23.8# |

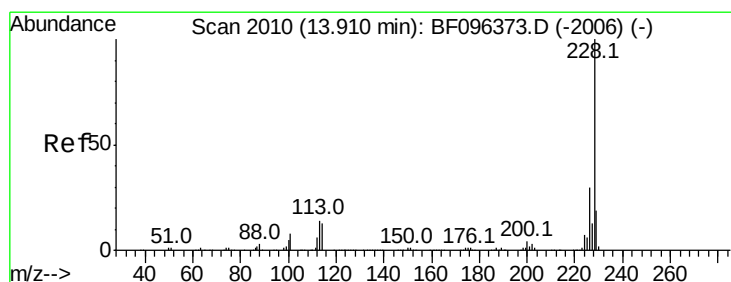
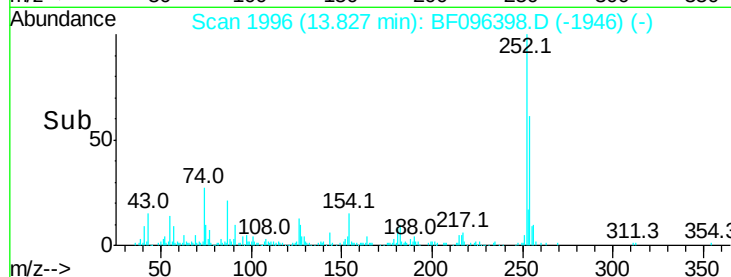
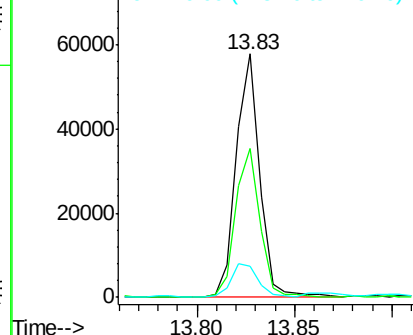


Abundance

Ion 252.00 (251.70 to 252.70): E

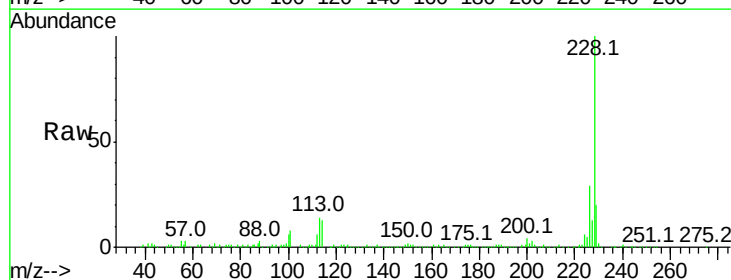
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82  
 Chrysene  
 Concen: 11.67 ng  
 RT: 13.90 min Scan# 2008  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.0  | 24.9  | 37.3  |
| 229     | 19.5  | 15.8  | 23.6  |

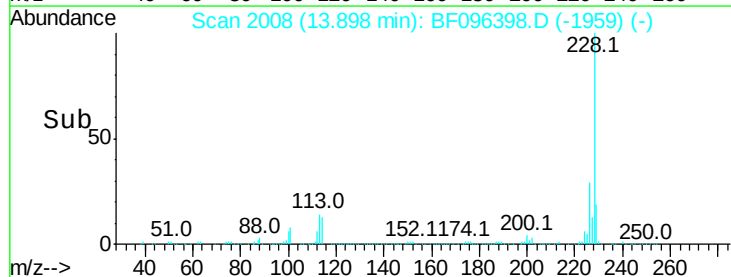
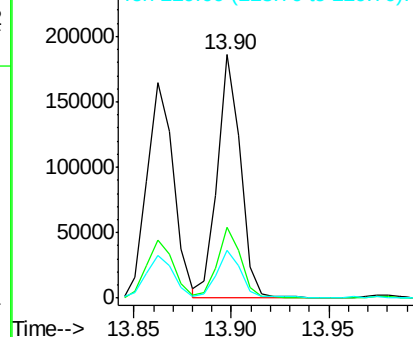


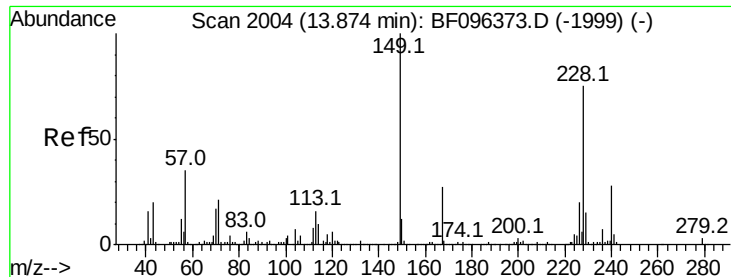
Abundance

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

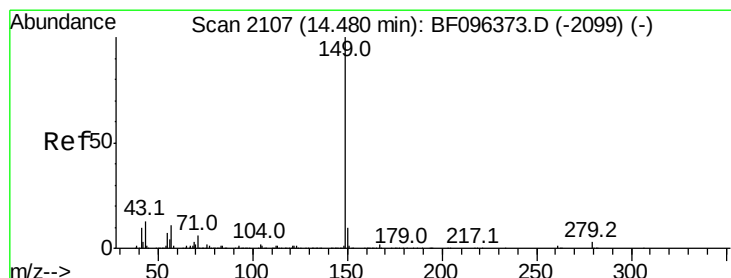
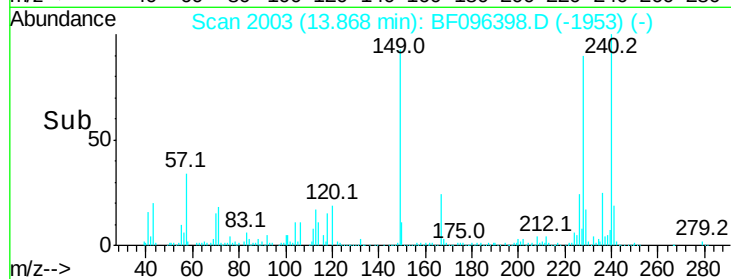
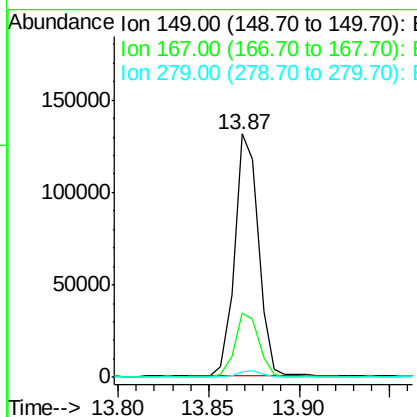
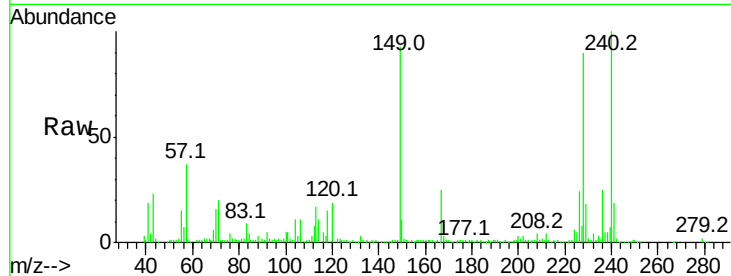




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 12.27 ng  
 RT: 13.87 min Scan# 2003  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

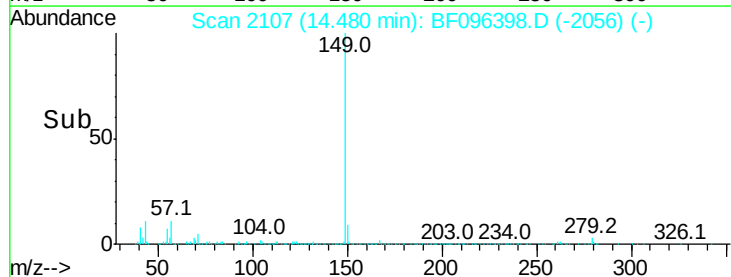
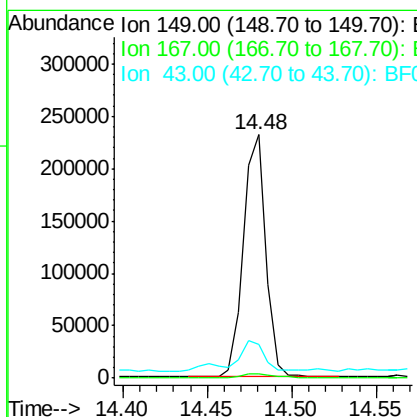
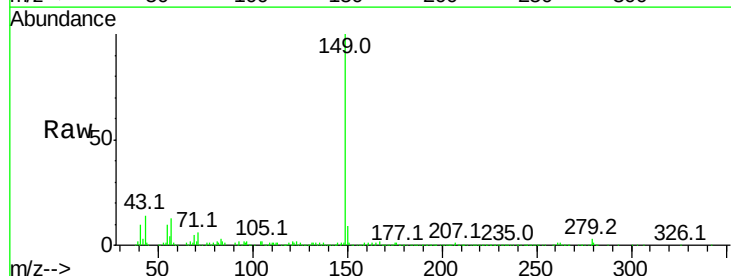
Instrument :  
 BNA\_F  
 ClientSampleId :

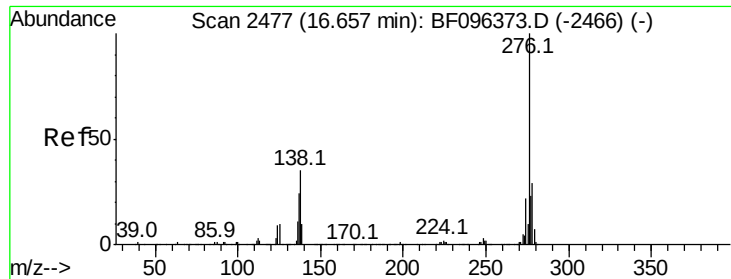
Tot Ion:149 Resp: 118855  
 Ion Ratio Lower Upper  
 149 100  
 167 26.3 21.0 31.4  
 279 2.4 1.9 2.9



#84  
 Di-n-octyl phthalate  
 Concen: 11.18 ng  
 RT: 14.48 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Tgt Ion:149 Resp: 213171  
 Ion Ratio Lower Upper  
 149 100  
 167 1.9 1.2 1.8#  
 43 12.2 8.5 12.7

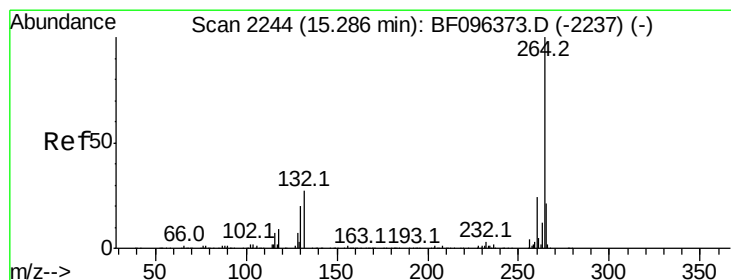
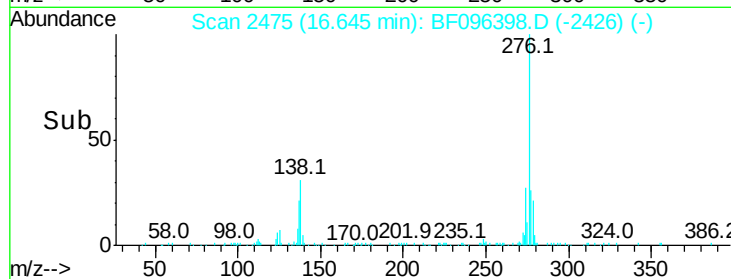
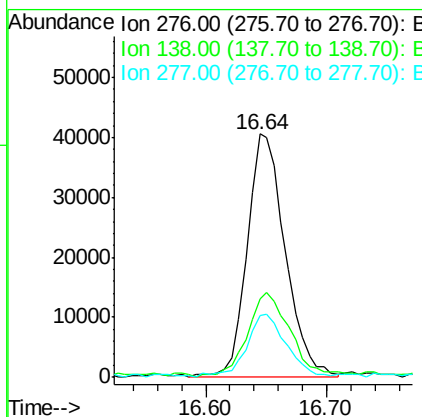
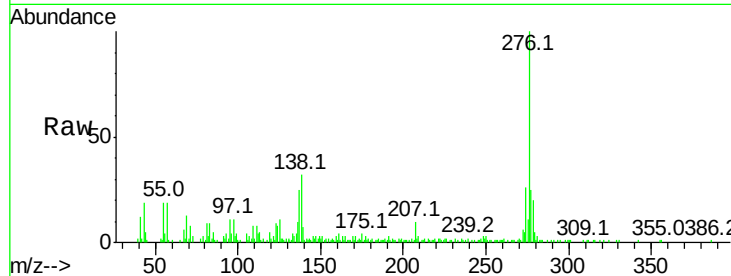




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 8.70 ng  
 RT: 16.64 min Scan# 2475  
 Delta R.T. -0.01 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

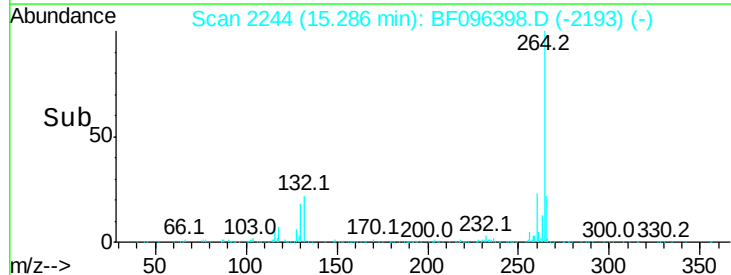
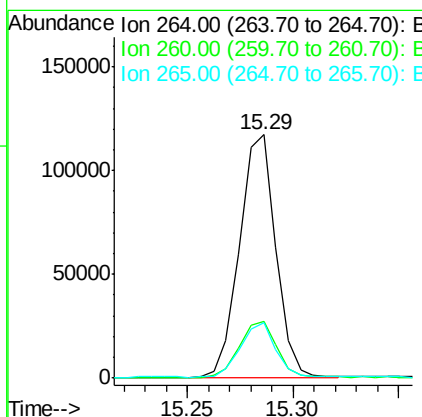
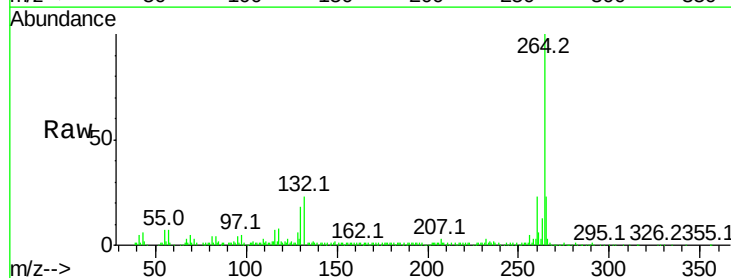
Instrument :  
 BNA\_F  
 ClientSampled :

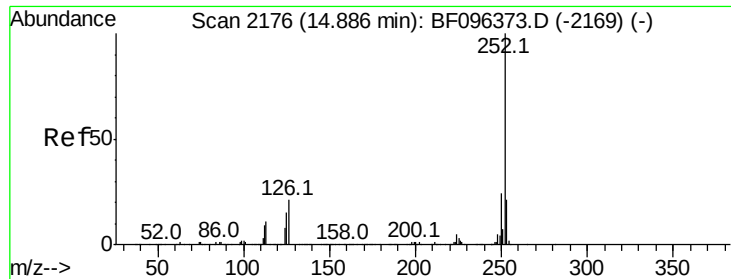
Tot Ion:276 Resp: 88959  
 Ion Ratio Lower Upper  
 276 100  
 138 39.9 27.8 41.6  
 277 27.3 20.2 30.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.29 min Scan# 2244  
 Delta R.T. -0.00 min  
 Lab File: BF096398.D  
 Acq: 2 Jul 2017 00:16

Tgt Ion:264 Resp: 140784  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.5 29.3  
 265 22.7 17.2 25.8

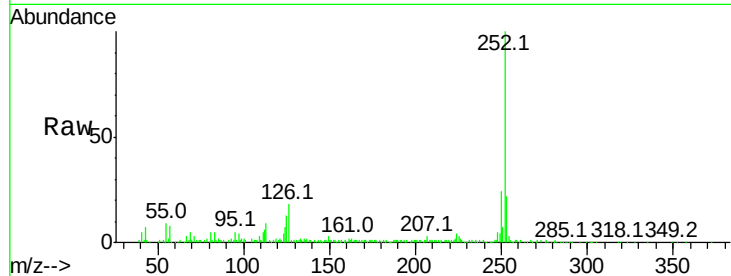




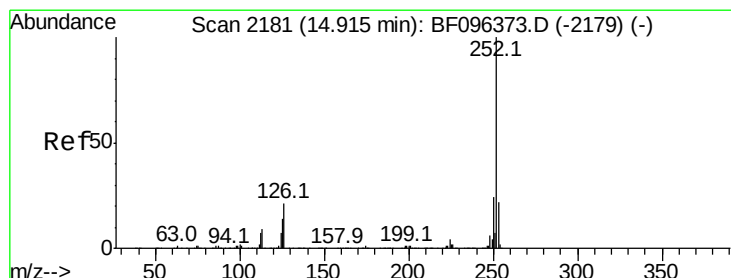
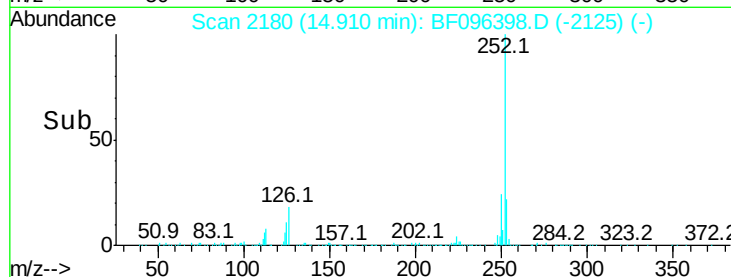
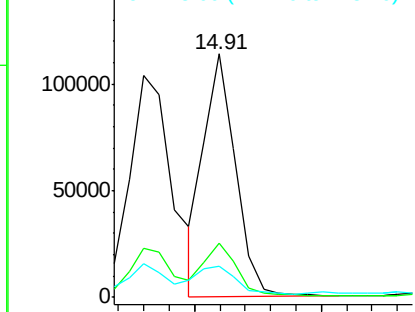
#87  
Benzo(b)fluoranthene  
Concen: 11.20 ng  
RT: 14.91 min Scan# 2180  
Delta R.T. 0.02 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 98777  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.1 27.1  
125 12.5 9.8 14.8

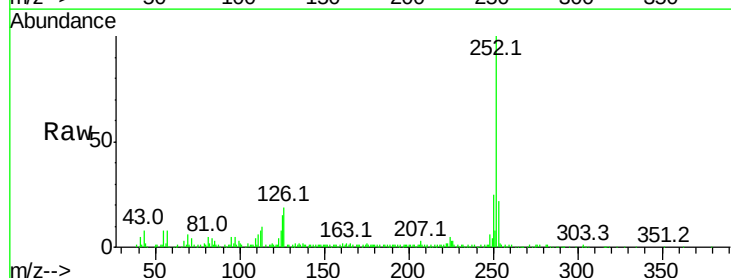


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

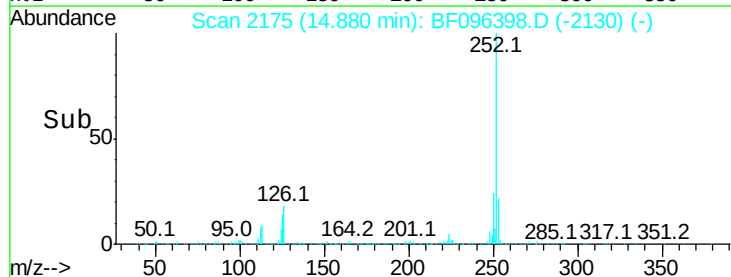
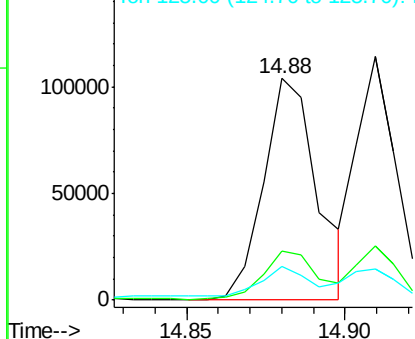


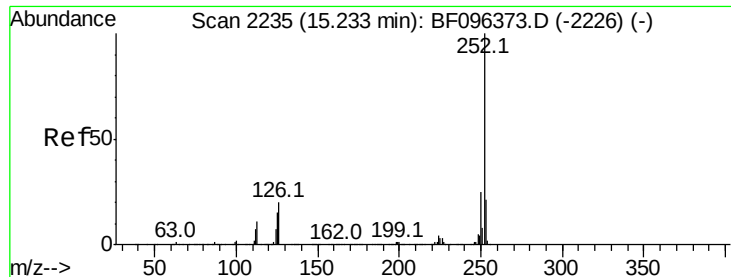
#88  
Benzo(k)fluoranthene  
Concen: 15.47 ng  
RT: 14.88 min Scan# 2175  
Delta R.T. -0.04 min  
Lab File: BF096398.D  
Acq: 2 Jul 2017 00:16

Tgt Ion:252 Resp: 122095  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.4 27.6  
125 15.4 13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 12.72 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

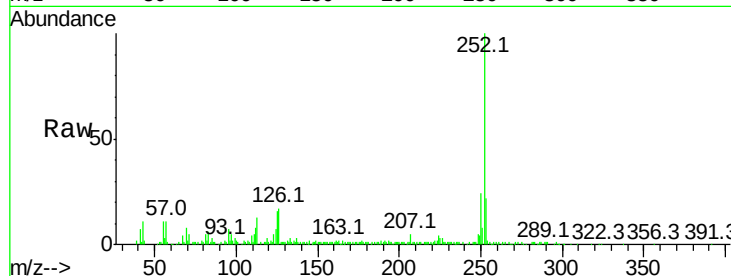
Tot Ion:252 Resp: 100141

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

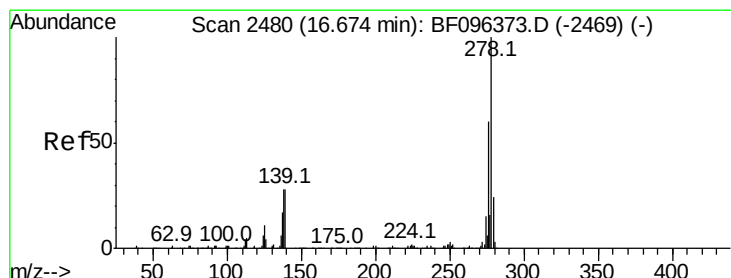
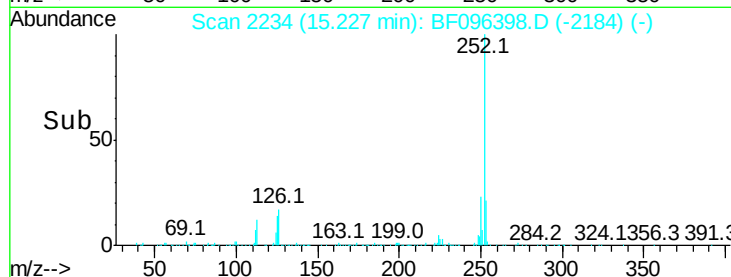
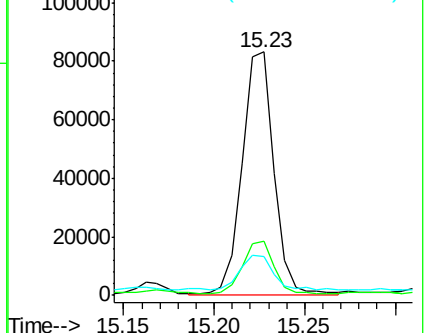
125 16.0 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 11.74 ng

RT: 16.66 min Scan# 2478

Delta R.T. -0.01 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

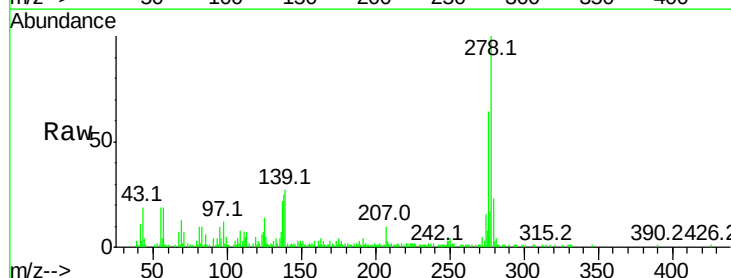
Tgt Ion:278 Resp: 72725

Ion Ratio Lower Upper

278 100

139 26.7 16.6 24.8#

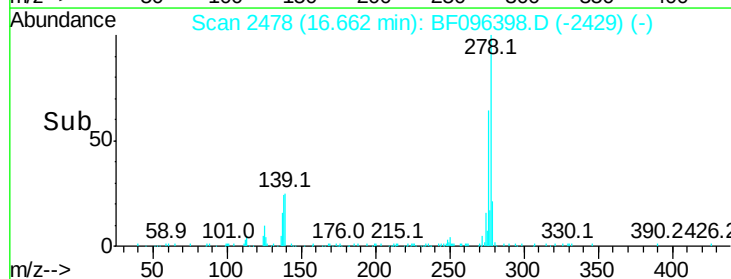
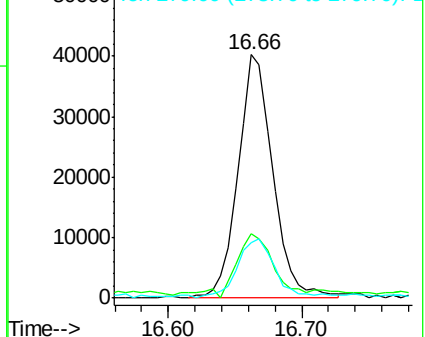
279 22.7 19.3 28.9

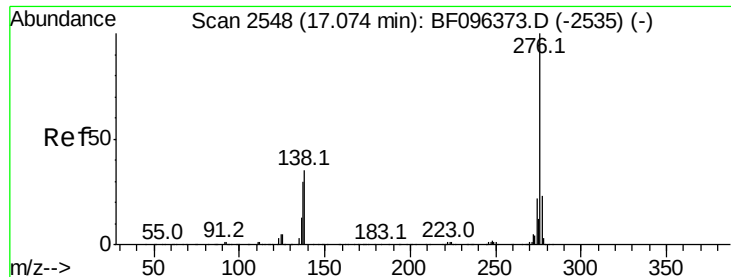


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 12.09 ng

RT: 17.06 min Scan# 2545

Delta R.T. -0.02 min

Lab File: BF096398.D

Acq: 2 Jul 2017 00:16

Instrument :

BNA\_F

ClientSampleId :

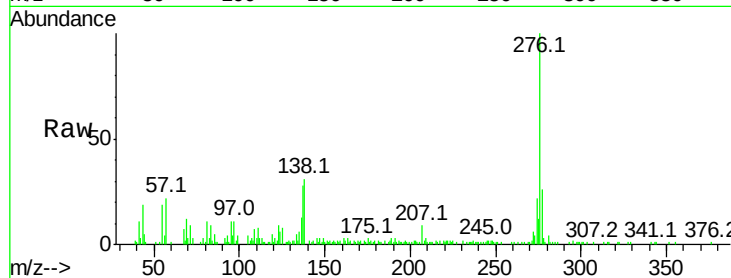
Tot Ion:276 Resp: 77593

Ion Ratio Lower Upper

276 100

277 25.5 18.6 28.0

138 31.0 25.4 38.0



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

