

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070717\  
 Data File : BF096587.D  
 Acq On : 8 Jul 2017 4:19  
 Operator : SJ/MA  
 Sample : I4075-01MSD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 08 04:55:24 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 07 13:02:33 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 85705    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.98  | 136  | 373212   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.73  | 164  | 136430   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.21 | 188  | 211161   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.84 | 240  | 166330   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.24 | 264  | 122408   | 20.00 | ng    | 0.00     |

|                             |       |     |        |        |    |      |
|-----------------------------|-------|-----|--------|--------|----|------|
| System Monitoring Compounds |       |     |        |        |    |      |
| 5) 2-Fluorophenol           | 5.32  | 112 | 735517 | 126.67 | ng | 0.00 |
| 7) Phenol-d6                | 6.35  | 99  | 857084 | 120.06 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.26  | 82  | 446373 | 71.87  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330 | 127774 | 119.90 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.06  | 172 | 701272 | 87.89  | ng | 0.00 |
| 78) Terphenyl-d14           | 12.79 | 244 | 537642 | 69.07  | ng | 0.00 |

|                                |      |     |        |       |    |        |
|--------------------------------|------|-----|--------|-------|----|--------|
| Target Compounds               |      |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.39 | 88  | 93309  | 33.89 | ng | # 76   |
| 3) Pyridine                    | 3.08 | 79  | 272066 | 36.01 | ng | # 63   |
| 4) n-Nitrosodimethylamine      | 3.02 | 42  | 152067 | 40.78 | ng | # 85   |
| 6) Aniline                     | 6.36 | 93  | 200164 | 21.69 | ng | # 1    |
| 8) 2-Chlorophenol              | 6.49 | 128 | 255516 | 41.26 | ng | # 96   |
| 9) Benzaldehyde                | 6.24 | 77  | 184521 | 41.30 | ng | # 98   |
| 10) Phenol                     | 6.36 | 94  | 326070 | 40.09 | ng | # 89   |
| 11) bis(2-Chloroethyl)ether    | 6.44 | 93  | 255746 | 40.69 | ng | # 93   |
| 12) 1,3-Dichlorobenzene        | 6.64 | 146 | 246904 | 38.03 | ng | # 99   |
| 13) 1,4-Dichlorobenzene        | 6.72 | 146 | 249092 | 38.38 | ng | # 95   |
| 14) 1,2-Dichlorobenzene        | 6.87 | 146 | 230755 | 38.73 | ng | # 99   |
| 15) Benzyl Alcohol             | 6.85 | 79  | 180457 | 37.82 | ng | # 96   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45  | 470426 | 36.82 | ng | # 92   |
| 17) 2-Methylphenol             | 6.96 | 107 | 180862 | 36.65 | ng | # 96   |
| 18) Hexachloroethane           | 7.21 | 117 | 61527  | 26.15 | ng | # 80   |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70  | 150641 | 35.42 | ng | # 86   |
| 20) 3+4-Methylphenols          | 7.12 | 107 | 223814 | 40.66 | ng | # 81   |
| 22) Acetophenone               | 7.11 | 105 | 298135 | 36.56 | ng | # 94   |
| 24) Nitrobenzene               | 7.28 | 77  | 222889 | 34.21 | ng | # 91   |
| 25) Isophorone                 | 7.52 | 82  | 432406 | 35.91 | ng | # 95   |
| 26) 2-Nitrophenol              | 7.60 | 139 | 115714 | 33.55 | ng | # 87   |
| 27) 2,4-Dimethylphenol         | 7.65 | 122 | 212153 | 36.13 | ng | # 94   |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93  | 286258 | 36.01 | ng | # 98   |
| 29) 2,4-Dichlorophenol         | 7.85 | 162 | 192146 | 37.93 | ng | # 98   |
| 30) 1,2,4-Trichlorobenzene     | 7.93 | 180 | 187879 | 39.31 | ng | # 98   |
| 31) Naphthalene                | 8.00 | 128 | 671866 | 38.13 | ng | # 99   |
| 32) Benzoic acid               | 7.72 | 122 | 16379  | 3.32  | ng | # 88   |
| 33) 4-Chloroaniline            | 8.05 | 127 | 106248 | 14.52 | ng | # 94   |
| 34) Hexachlorobutadiene        | 8.13 | 225 | 97249  | 39.67 | ng | # 98   |
| 35) Caprolactam                | 8.40 | 113 | 56248  | 32.20 | ng | # 58   |
| 36) 4-Chloro-3-methylphenol    | 8.54 | 107 | 197481 | 35.23 | ng | # 88   |
| 37) 2-Methylnaphthalene        | 8.70 | 142 | 414368 | 36.95 | ng | # 97   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 153655 | 43.38 | ng | # 99   |
| 40) Hexachlorocyclopentadiene  | 8.85 | 237 | 16304  | 9.47  | ng | # 99   |

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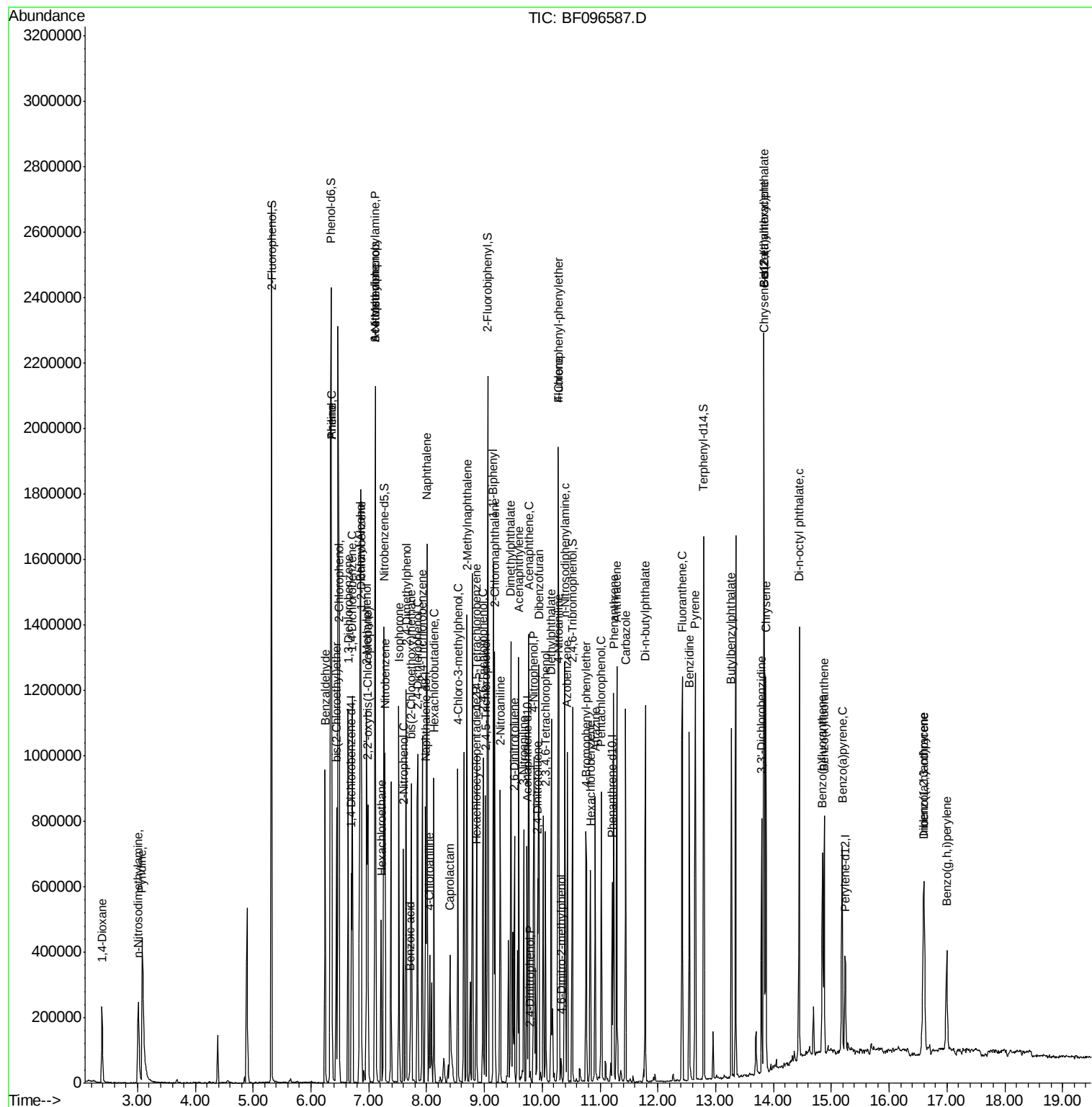
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.97  | 196  | 114275   | 40.78 | nq    | 100      |
| 43) 2,4,5-Trichlorophenol      | 9.02  | 196  | 116733   | 42.13 | nq    | 95       |
| 45) 1,1'-Biphenyl              | 9.16  | 154  | 471174   | 40.31 | nq    | 96       |
| 46) 2-Chloronaphthalene        | 9.18  | 162  | 360536   | 41.39 | nq    | 94       |
| 47) 2-Nitroaniline             | 9.27  | 65   | 144290   | 45.52 | nq    | 95       |
| 48) Acenaphthylene             | 9.59  | 152  | 559967   | 40.57 | nq    | 99       |
| 49) Dimethylphthalate          | 9.46  | 163  | 565502   | 55.53 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.52  | 165  | 82919    | 36.82 | nq    | # 80     |
| 51) Acenaphthene               | 9.77  | 154  | 294283   | 34.59 | nq    | 97       |
| 52) 3-Nitroaniline             | 9.68  | 138  | 103030   | 36.68 | nq    | 97       |
| 53) 2,4-Dinitrophenol          | 9.79  | 184  | 3676     | 3.07  | nq    | # 79     |
| 54) Dibenzofuran               | 9.94  | 168  | 479663   | 42.70 | nq    | 99       |
| 55) 4-Nitrophenol              | 9.85  | 139  | 154178   | 66.22 | nq    | # 66     |
| 56) 2,4-Dinitrotoluene         | 9.92  | 165  | 98251    | 34.45 | nq    | # 88     |
| 57) Fluorene                   | 10.28 | 166  | 346970   | 43.73 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.06 | 232  | 81400    | 42.46 | nq    | 96       |
| 59) Diethylphthalate           | 10.16 | 149  | 397473   | 41.29 | nq    | 100      |
| 60) 4-Chlorophenyl-phenylether | 10.27 | 204  | 147035   | 42.59 | nq    | 94       |
| 61) 4-Nitroaniline             | 10.29 | 138  | 107502   | 42.09 | nq    | 91       |
| 62) Azobenzene                 | 10.43 | 77   | 332706   | 35.74 | nq    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 10.33 | 198  | 6935     | 4.76  | nq    | 87       |
| 65) n-Nitrosodiphenylamine     | 10.39 | 169  | 323063   | 43.60 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.76 | 248  | 83160    | 40.46 | nq    | 94       |
| 67) Hexachlorobenzene          | 10.83 | 284  | 88726    | 39.43 | nq    | 95       |
| 68) Atrazine                   | 10.92 | 200  | 80876    | 38.21 | nq    | 94       |
| 69) Pentachlorophenol          | 11.02 | 266  | 87505    | 65.61 | nq    | 97       |
| 70) Phenanthrene               | 11.24 | 178  | 460525   | 40.34 | nq    | 98       |
| 71) Anthracene                 | 11.29 | 178  | 470702   | 40.47 | nq    | 98       |
| 72) Carbazole                  | 11.44 | 167  | 464421   | 39.70 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.78 | 149  | 560904   | 39.59 | nq    | 98       |
| 74) Fluoranthene               | 12.42 | 202  | 479867   | 42.88 | nq    | 99       |
| 76) Benzidine                  | 12.54 | 184  | 396658   | 49.70 | nq    | # 93     |
| 77) Pyrene                     | 12.64 | 202  | 501896   | 37.59 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.27 | 149  | 262593   | 38.85 | nq    | 87       |
| 80) Benzo(a)anthracene         | 13.83 | 228  | 381775   | 39.64 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.80 | 252  | 155848   | 39.39 | nq    | # 95     |
| 82) Chrysene                   | 13.87 | 228  | 385132   | 38.18 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.84 | 149  | 344014   | 45.60 | nq    | # 100    |
| 84) Di-n-octyl phthalate       | 14.44 | 149  | 595471   | 40.08 | nq    | # 93     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.59 | 276  | 270607   | 33.99 | nq    | 97       |
| 87) Benzo(b)fluoranthene       | 14.85 | 252  | 305496   | 39.83 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 14.87 | 252  | 266046   | 38.78 | nq    | 96       |
| 89) Benzo(a)pyrene             | 15.19 | 252  | 278604   | 40.69 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.61 | 278  | 225031   | 41.77 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.00 | 276  | 215500   | 38.60 | nq    | 98       |

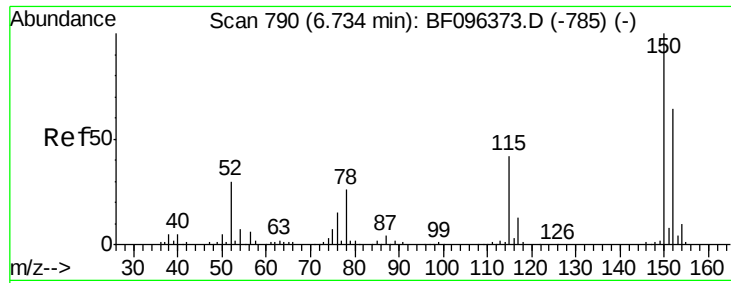
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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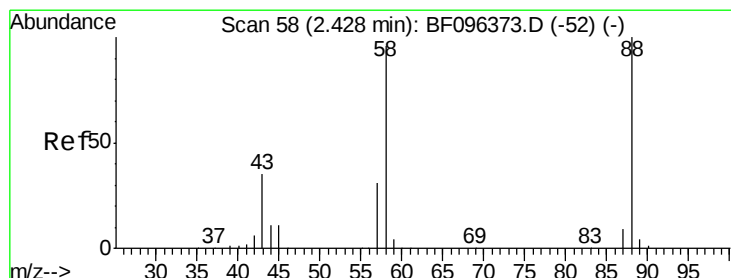
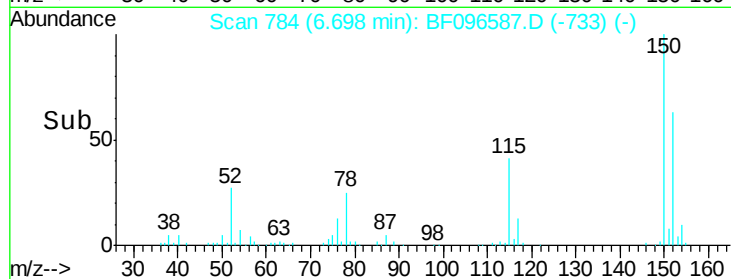
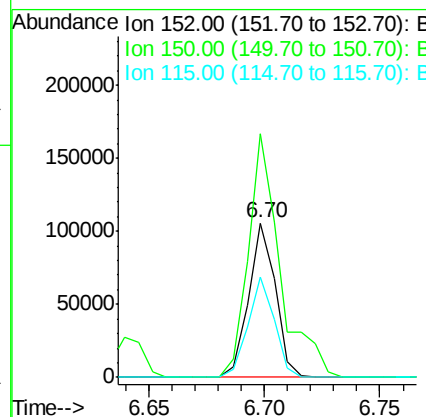
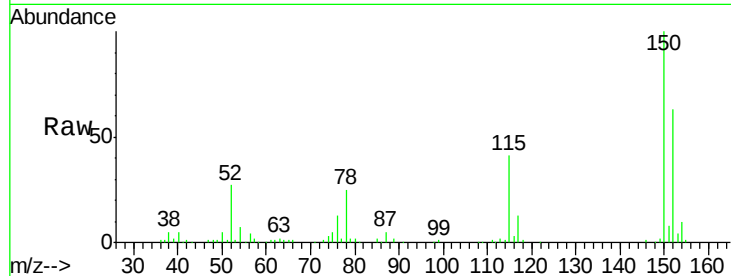


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.70 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Instrument :  
BNA\_F  
ClientSampled :

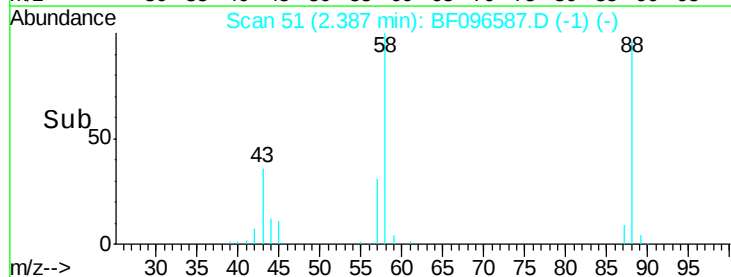
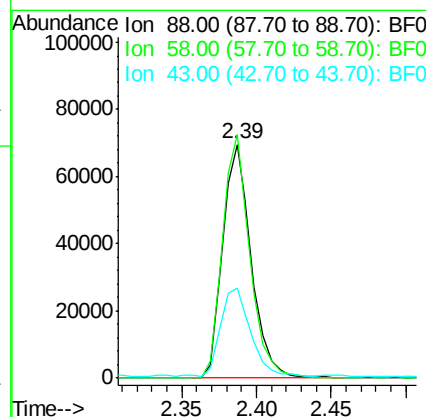
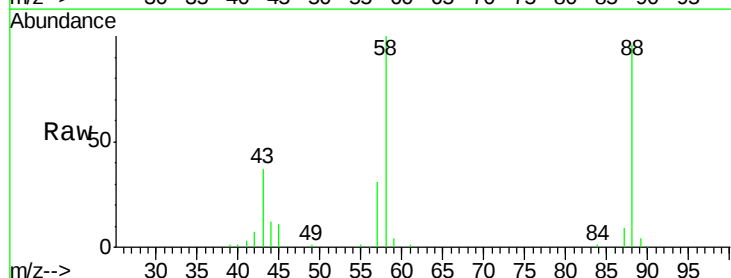
Tot Ion:152 Resp: 85705  
Ion Ratio Lower Upper  
152 100  
150 157.9 126.2 189.2  
115 64.9 52.2 78.2

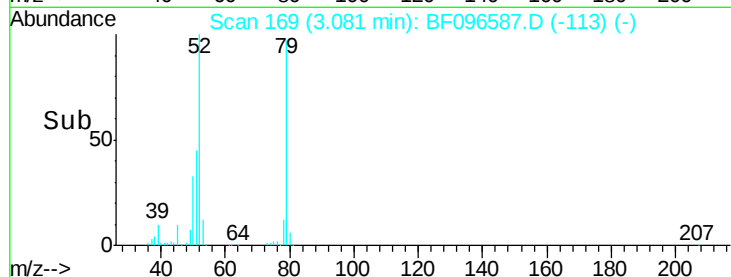
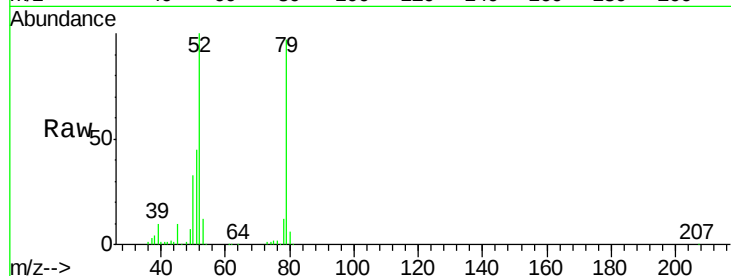
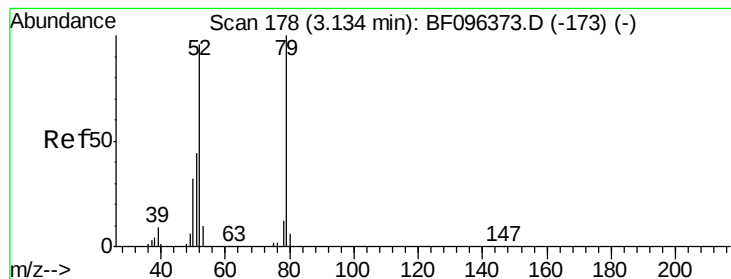


#2

1,4-Dioxane  
Concen: 33.89 ng  
RT: 2.39 min Scan# 51  
Delta R.T. 0.02 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Tgt Ion: 88 Resp: 93309  
Ion Ratio Lower Upper  
88 100  
58 99.9 61.4 92.0#  
43 38.9 23.4 35.0#





#3

Pvridine

Concen: 36.01 ng

RT: 3.08 min Scan# 169

Delta R.T. 0.03 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

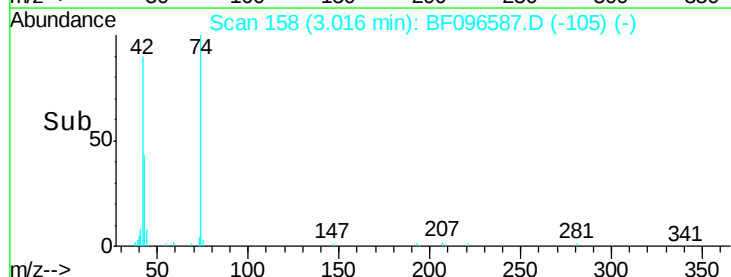
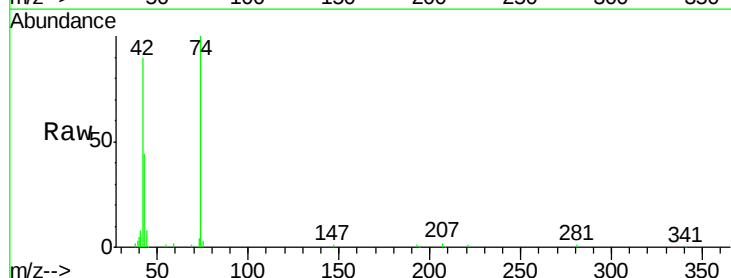
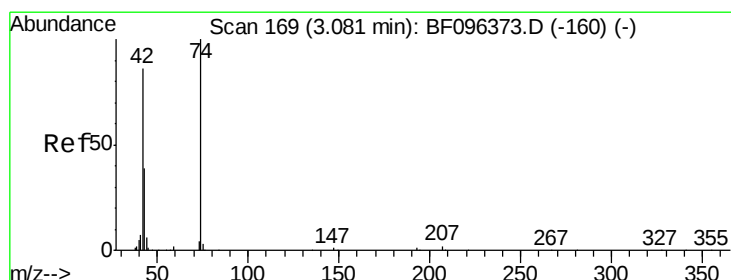
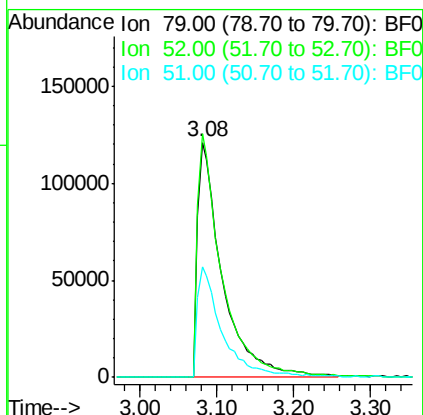
Tot Ion: 79 Resp: 272066

Ion Ratio Lower Upper

79 100

52 103.5 54.8 82.2#

51 47.0 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 40.78 ng

RT: 3.02 min Scan# 158

Delta R.T. 0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

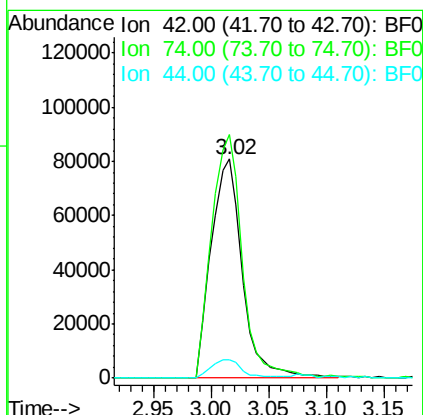
Tgt Ion: 42 Resp: 152067

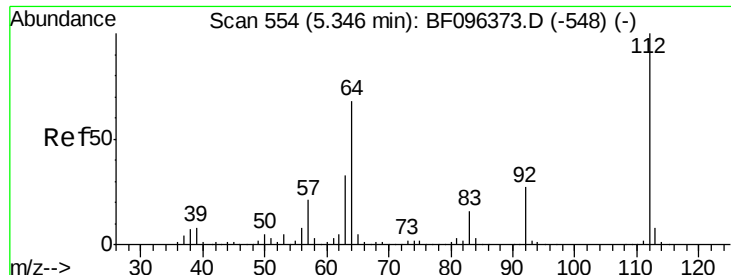
Ion Ratio Lower Upper

42 100

74 111.2 103.9 155.9

44 8.5 5.7 8.5

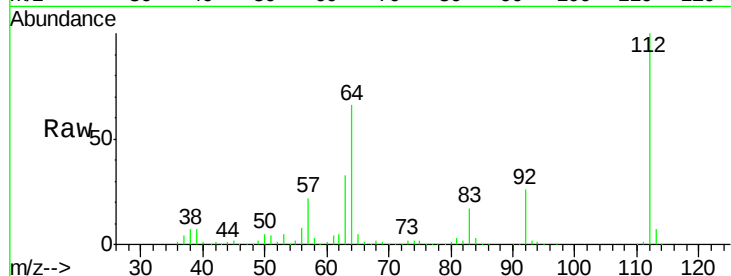




#5  
2-Fluorophenol  
Concen: 126.67 ng  
RT: 5.32 min Scan# 549  
Delta R.T. 0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Instrument :  
BNA\_F  
ClientSampled :

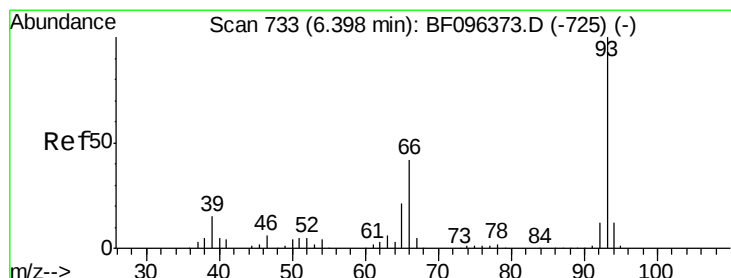
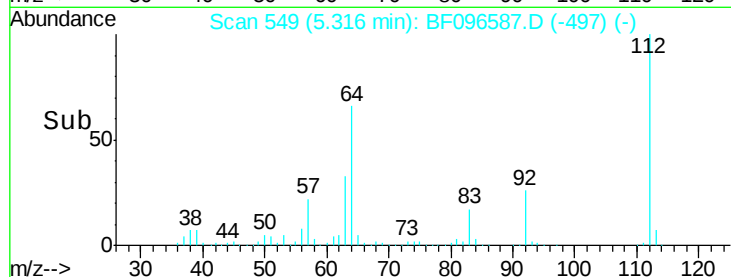
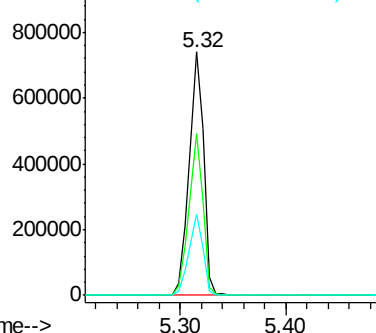
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.2  | 46.0  | 69.0  |
| 63      | 33.1  | 23.4  | 35.0  |



Abundance Ion 112.00 (111.70 to 112.70): E

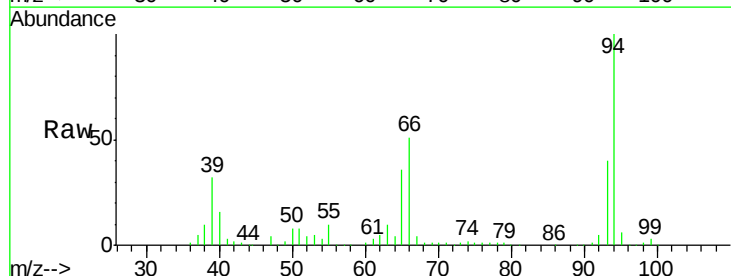
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6  
Aniline  
Concen: 21.69 ng  
RT: 6.36 min Scan# 726  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

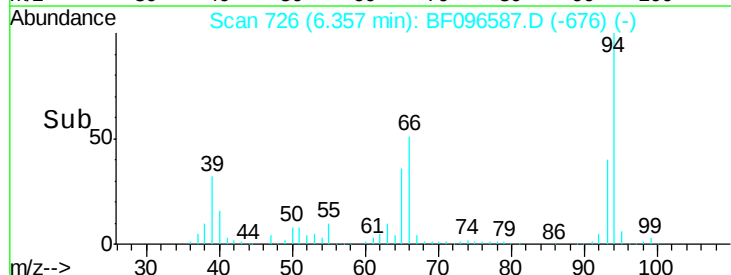
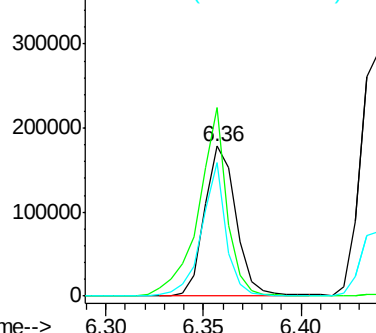
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 66      | 126.0 | 32.9  | 49.3# |
| 65      | 88.9  | 16.0  | 24.0# |

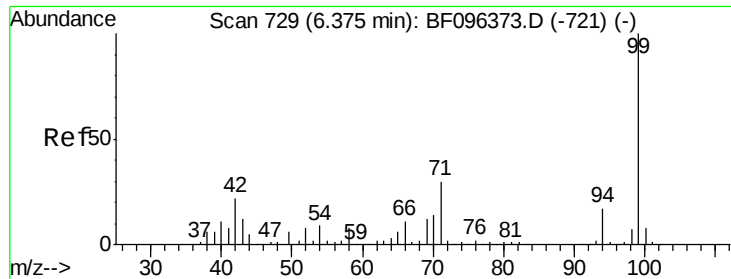


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 120.06 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

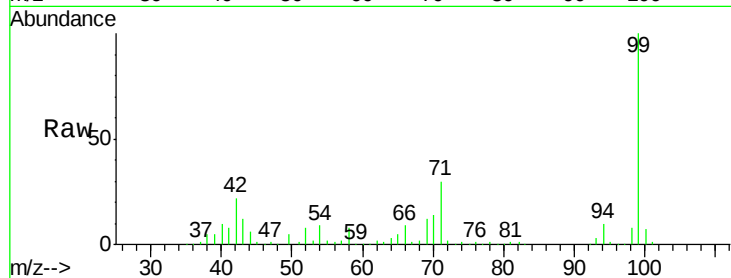
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 857084

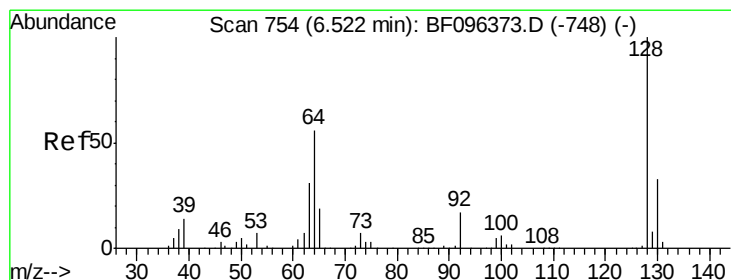
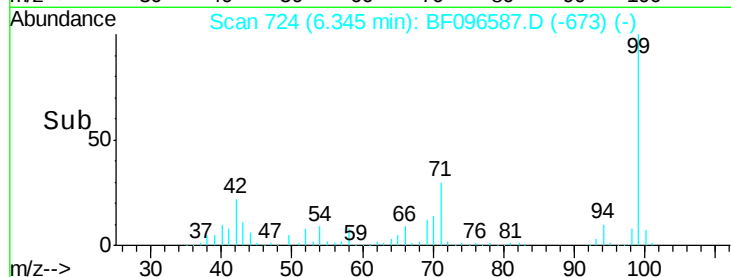
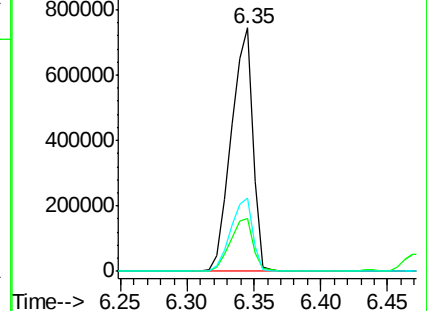
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.0  | 13.5  | 20.3# |
| 71  | 30.3  | 24.5  | 36.7  |



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: 41.26 ng

RT: 6.49 min Scan# 748

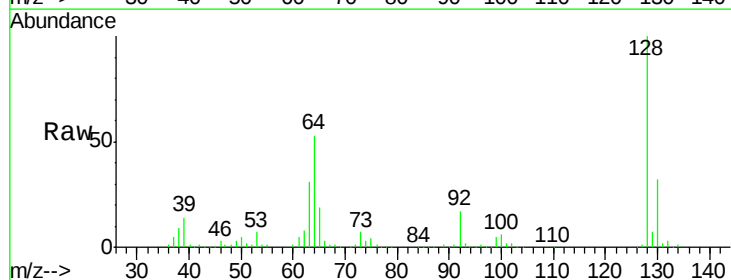
Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Tgt Ion: 128 Resp: 255516

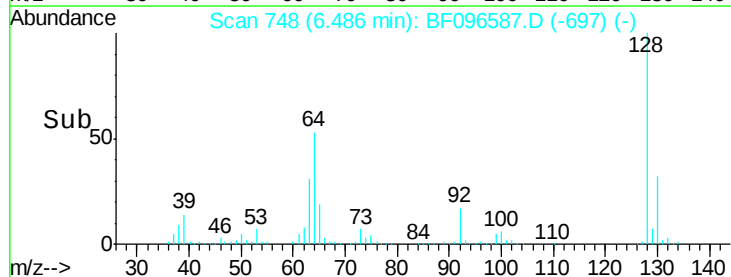
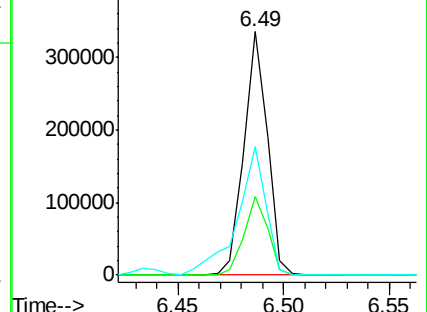
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.5  | 12.9  | 52.9  |
| 64  | 52.8  | 28.4  | 68.4  |

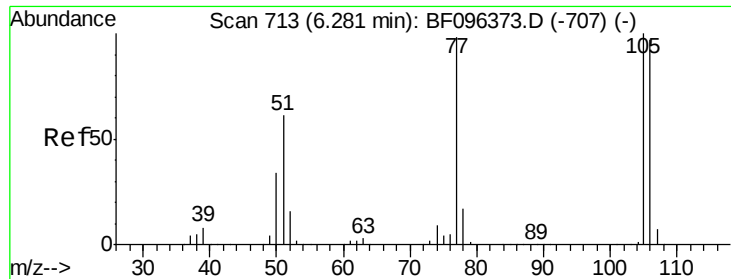


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

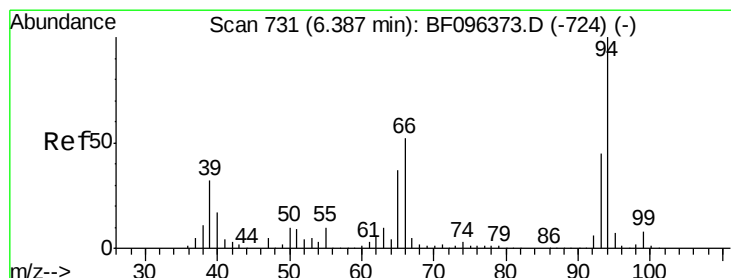
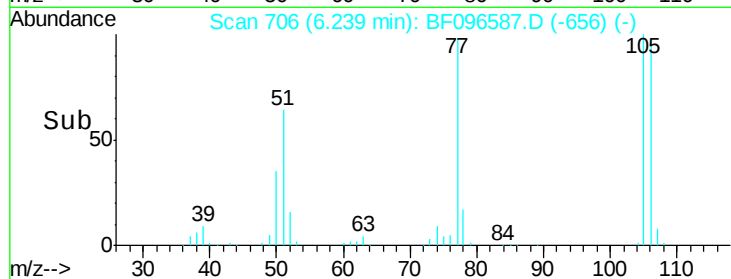
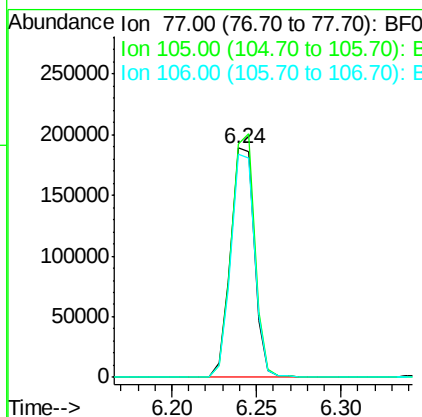
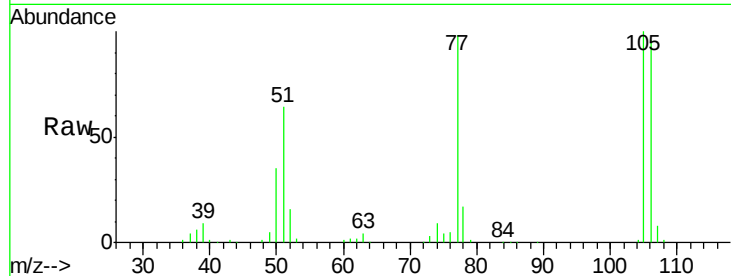




#9  
Benzaldehyde  
Concen: 41.30 ng  
RT: 6.24 min Scan# 706  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

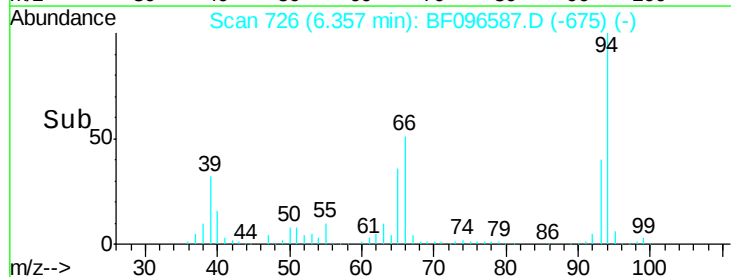
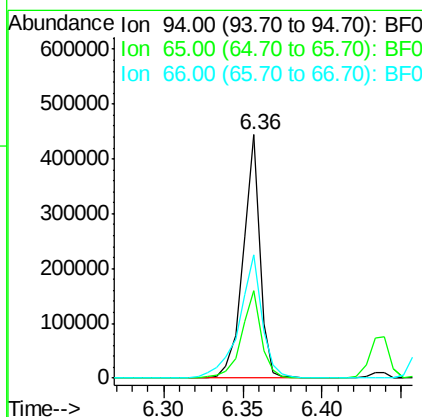
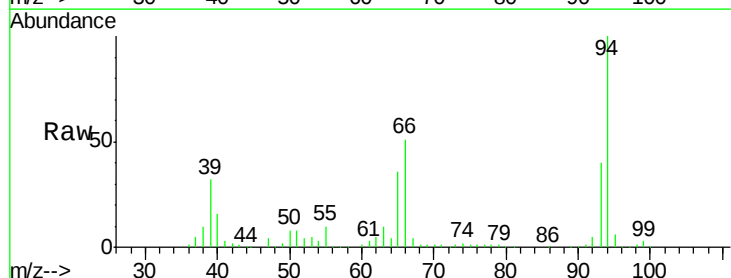
Instrument :  
BNA\_F  
ClientSampled :

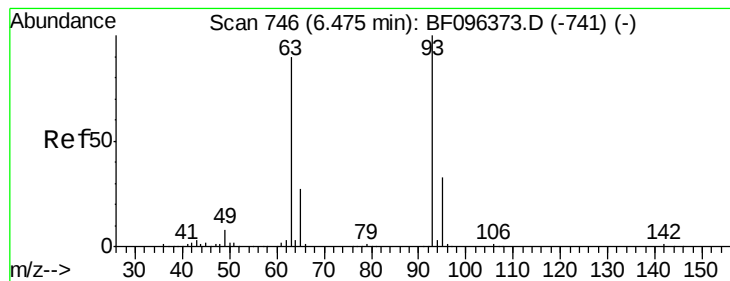
Tot Ion: 77 Resp: 184521  
Ion Ratio Lower Upper  
77 100  
105 101.8 83.8 123.8  
106 97.7 79.1 119.1



#10  
Phenol  
Concen: 40.09 ng  
RT: 6.36 min Scan# 726  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Tgt Ion: 94 Resp: 326070  
Ion Ratio Lower Upper  
94 100  
65 35.7 9.9 49.9  
66 50.6 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 40.69 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

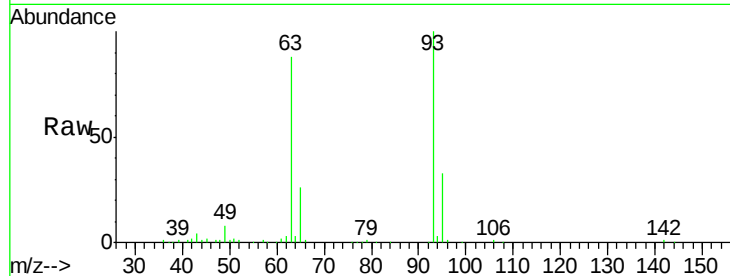
Tot Ion: 93 Resp: 255746

Ion Ratio Lower Upper

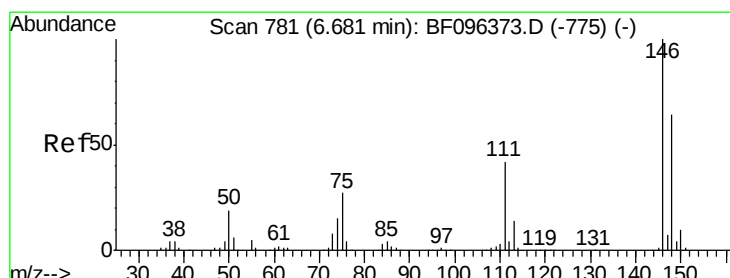
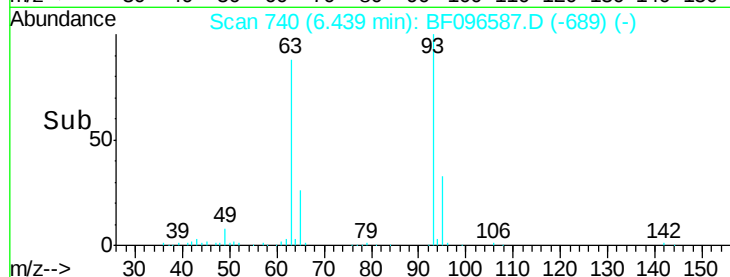
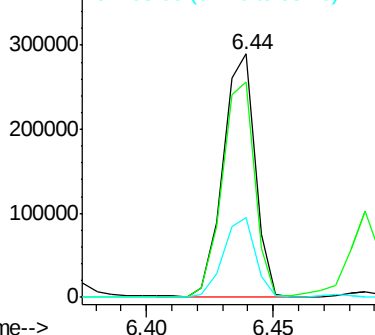
93 100

63 88.3 59.2 99.2

95 32.7 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 38.03 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

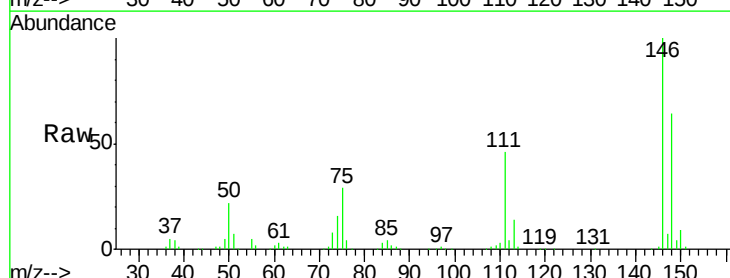
Tgt Ion: 146 Resp: 246904

Ion Ratio Lower Upper

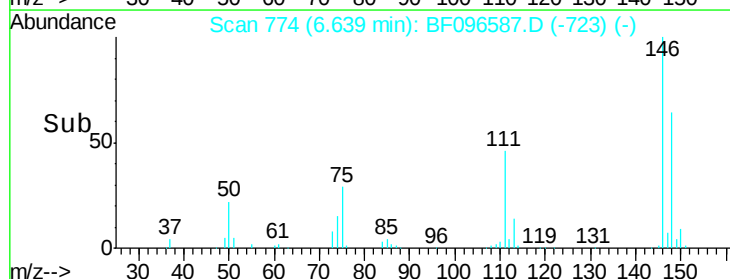
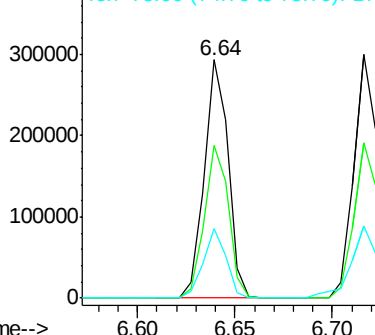
146 100

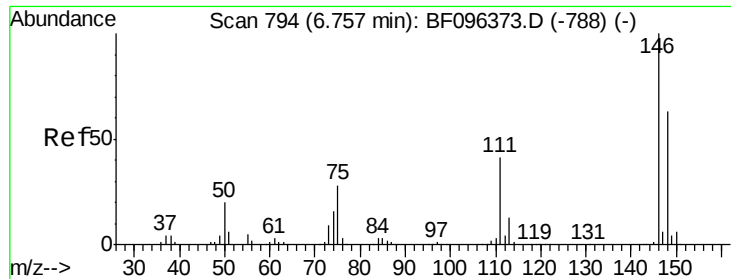
148 64.1 51.8 77.6

75 29.4 23.1 34.7



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

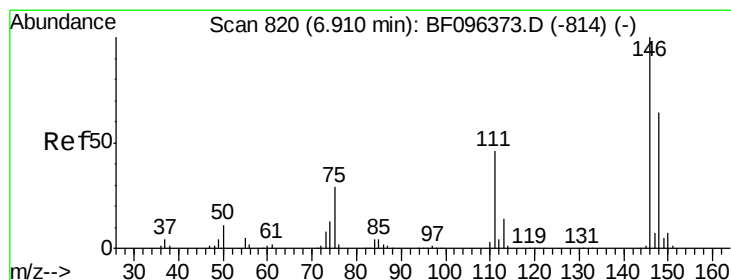
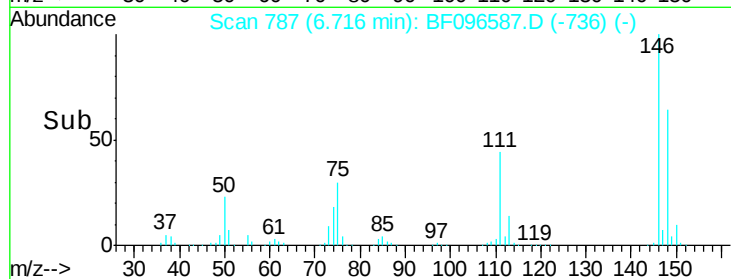
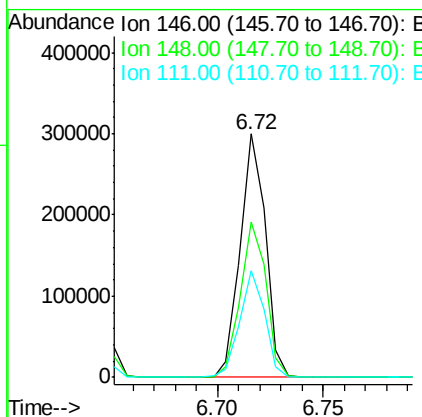
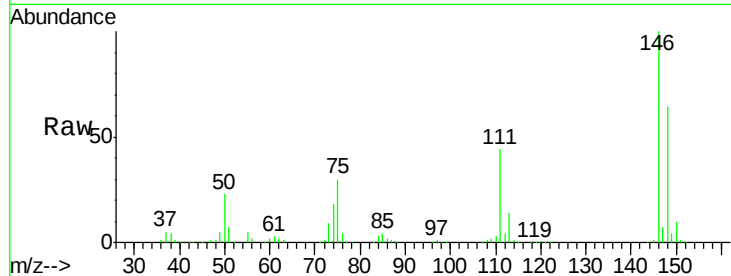




#13  
 1,4-Dichlorobenzene  
 Concen: 38.38 ng  
 RT: 6.72 min Scan# 787  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

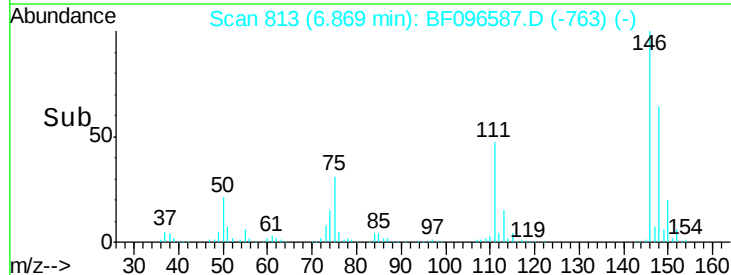
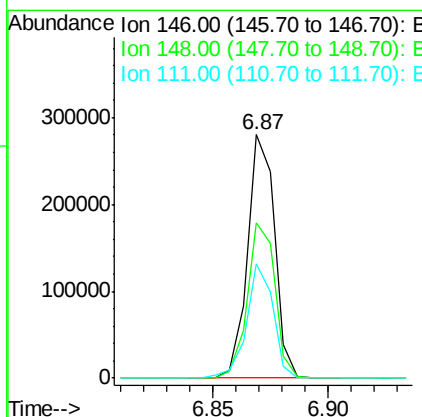
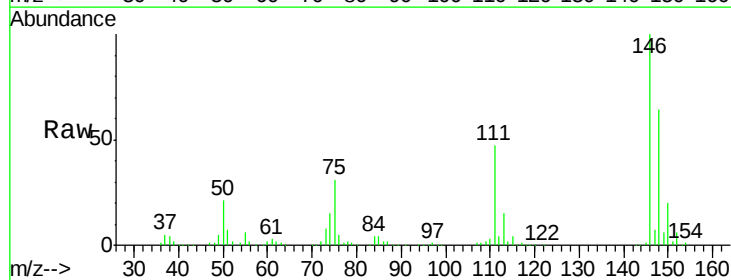
Instrument :  
 BNA\_F  
 ClientSampleId :

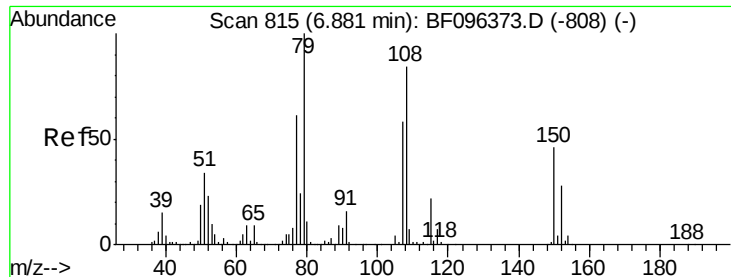
Tot Ion:146 Resp: 249092  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 52.2 78.2  
 111 43.9 30.3 45.5



#14  
 1,2-Dichlorobenzene  
 Concen: 38.73 ng  
 RT: 6.87 min Scan# 813  
 Delta R.T. -0.01 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Tgt Ion:146 Resp: 230755  
 Ion Ratio Lower Upper  
 146 100  
 148 63.9 50.4 75.6  
 111 47.1 38.2 57.4





#15

Benzyl Alcohol

Concen: 37.82 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

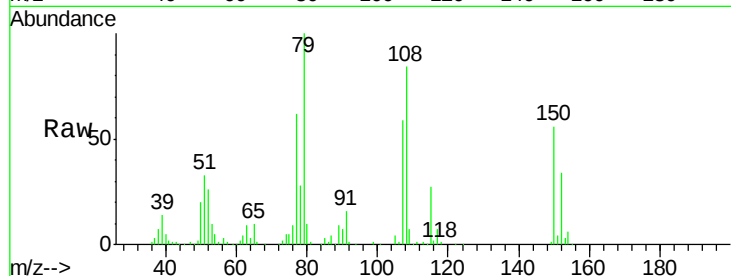
Tot Ion: 79 Resp: 180457

Ion Ratio Lower Upper

79 100

108 84.2 63.4 95.0

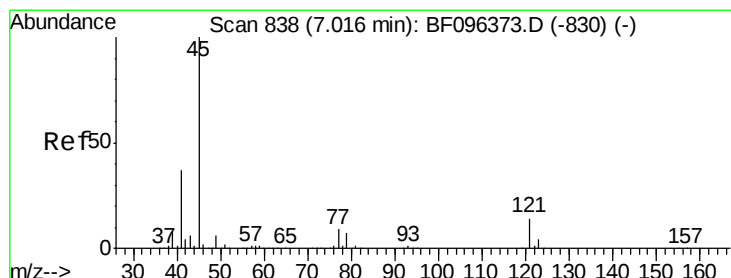
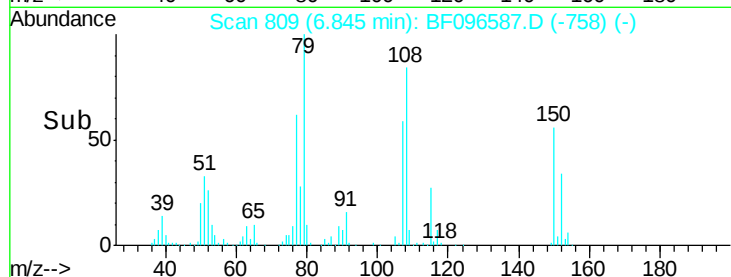
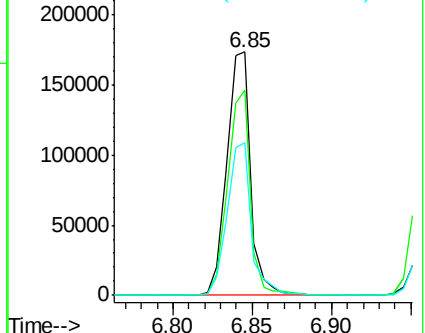
77 62.5 49.2 73.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 36.82 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

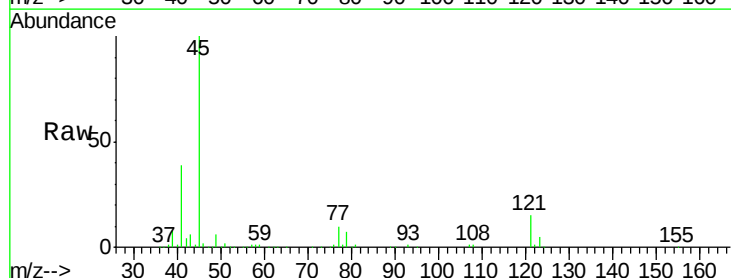
Tgt Ion: 45 Resp: 470426

Ion Ratio Lower Upper

45 100

77 9.6 0.0 33.2

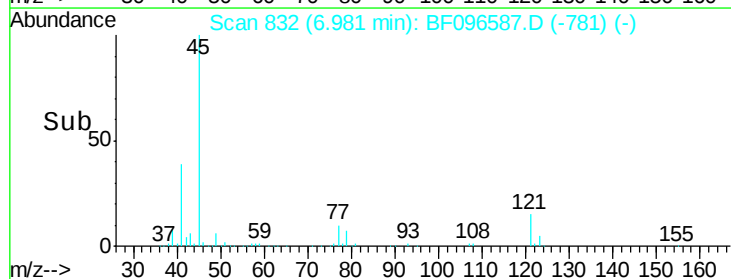
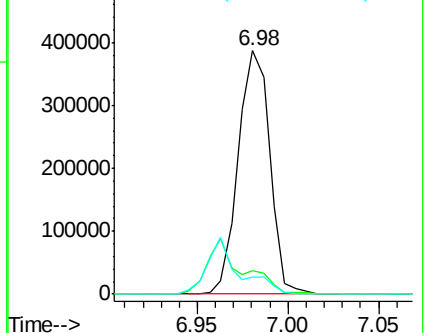
79 7.2 0.0 30.0

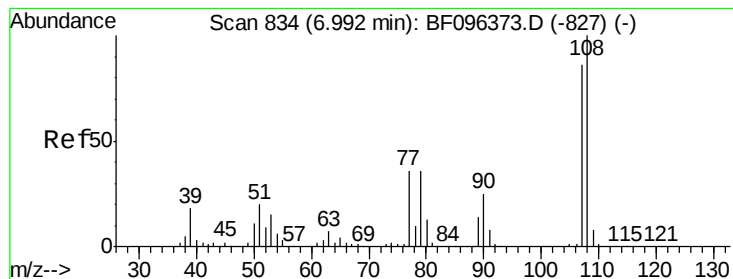


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 36.65 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:107 Resp: 180862

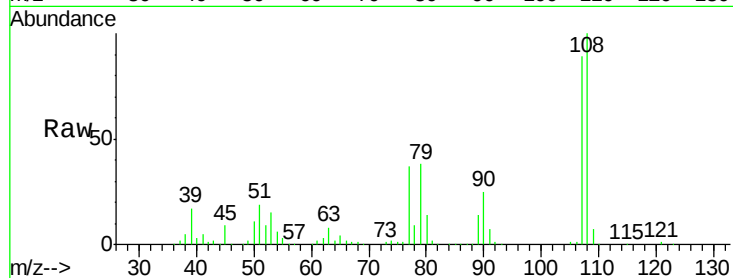
Ion Ratio Lower Upper

107 100

108 112.1 93.4 140.0

77 41.6 35.8 53.6

79 42.6 34.8 52.2

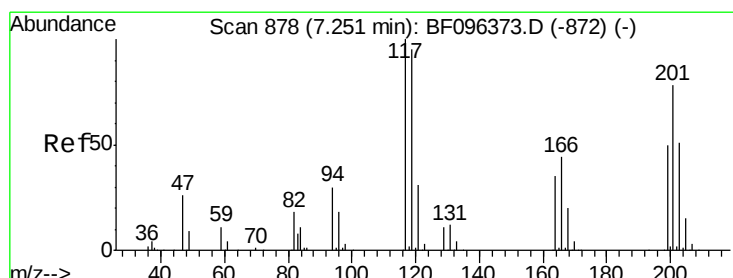
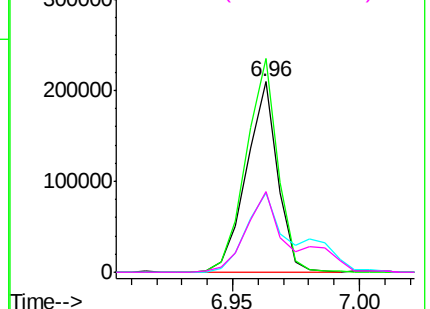
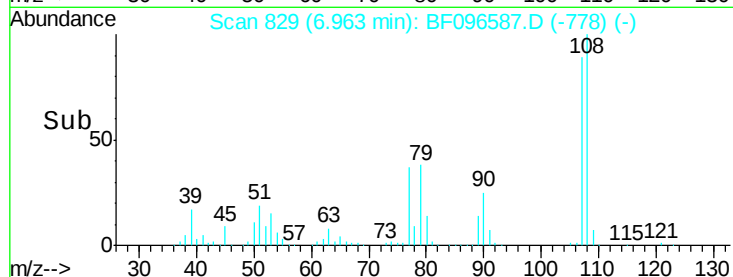


Abundance Ion 107.00 (106.70 to 107.70): E

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: 26.15 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

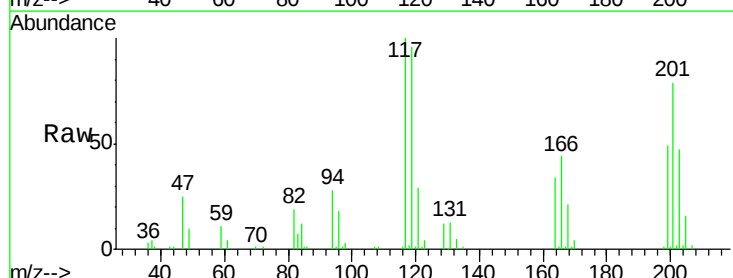
Tgt Ion:117 Resp: 61527

Ion Ratio Lower Upper

117 100

119 95.5 77.4 116.0

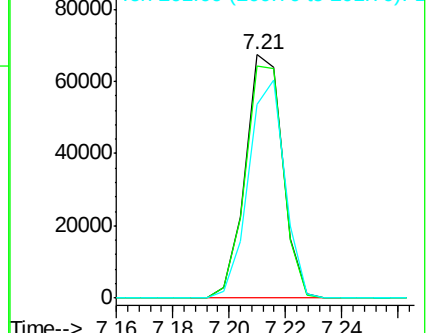
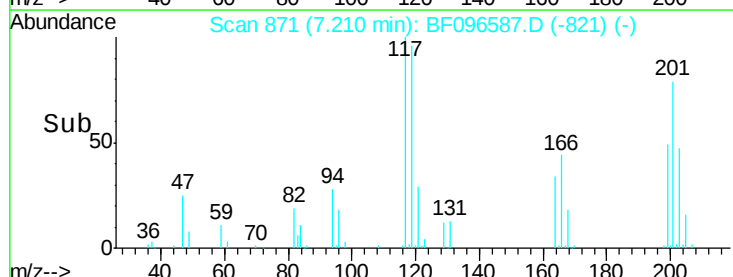
201 79.4 94.6 141.8#

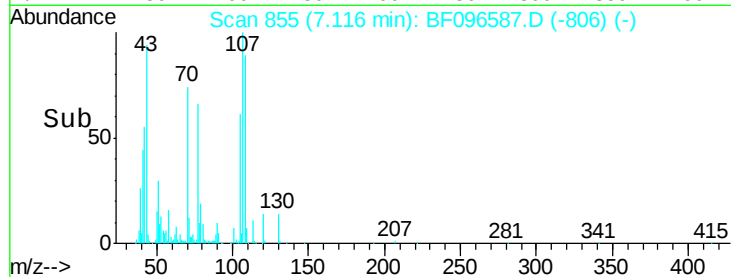
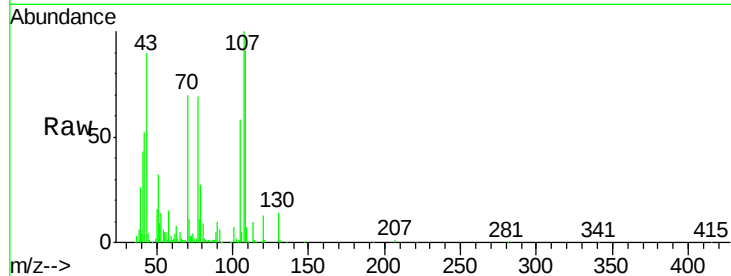
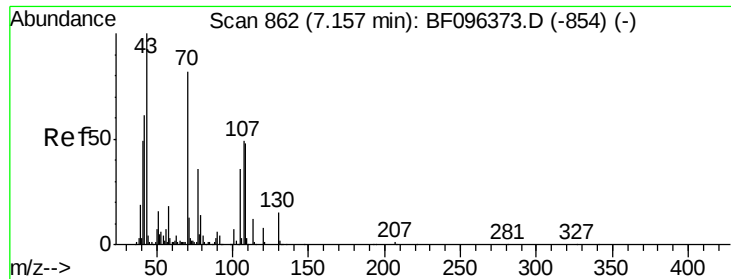


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

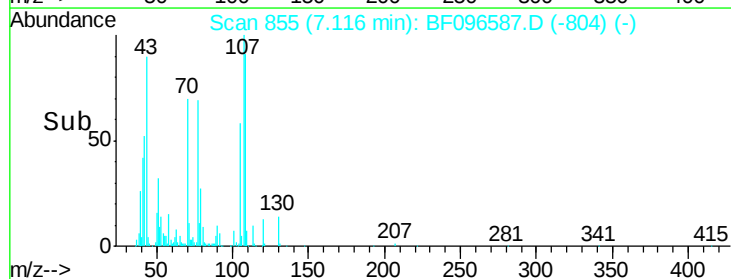
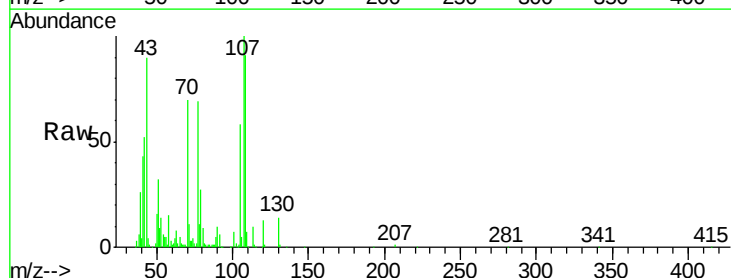
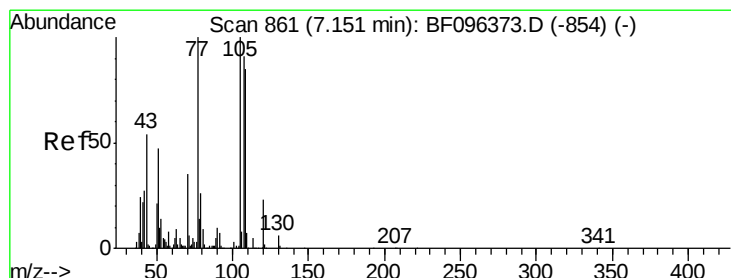
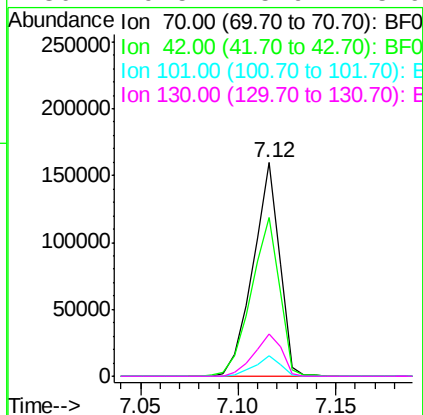




#19  
n-Nitroso-di-n-propylamine  
Concen: 35.42 ng  
RT: 7.12 min Scan# 855  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

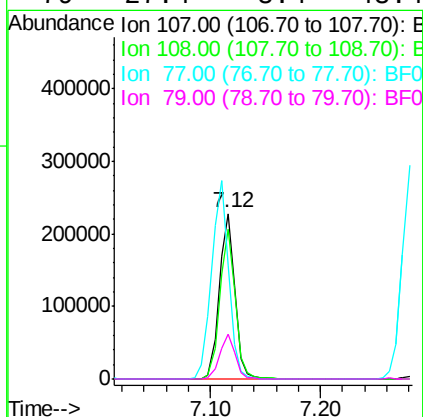
Instrument :  
BNA\_F  
ClientSampled :

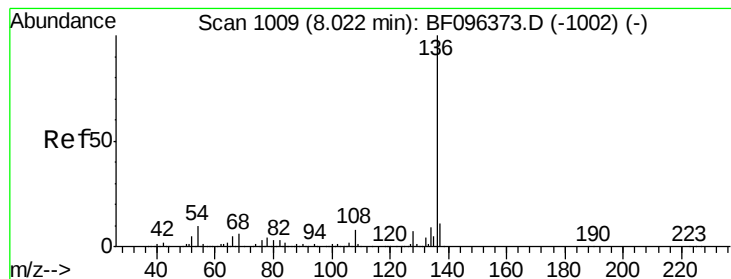
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 74.6  | 47.2  | 70.8# |
| 101     | 9.5   | 7.2   | 10.8  |
| 130     | 19.5  | 15.9  | 23.9  |



#20  
3+4-Methylphenols  
Concen: 40.66 ng  
RT: 7.12 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 90.7  | 71.0  | 111.0  |
| 77      | 68.8  | 90.5  | 130.5# |
| 79      | 27.4  | 8.4   | 48.4   |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 373212

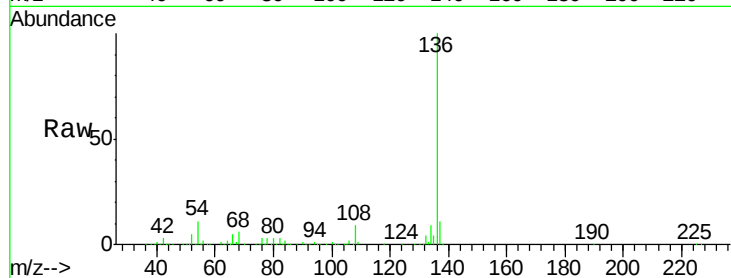
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.9 4.9 7.3#

68 5.5 4.1 6.1

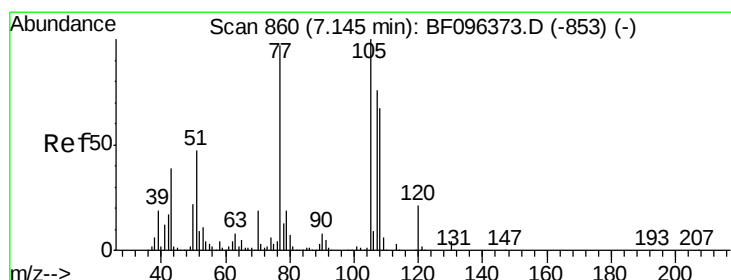
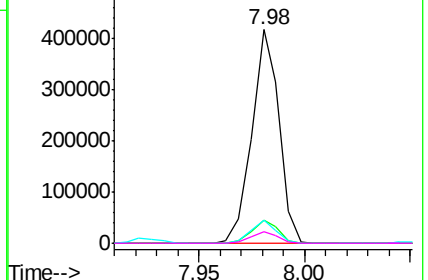
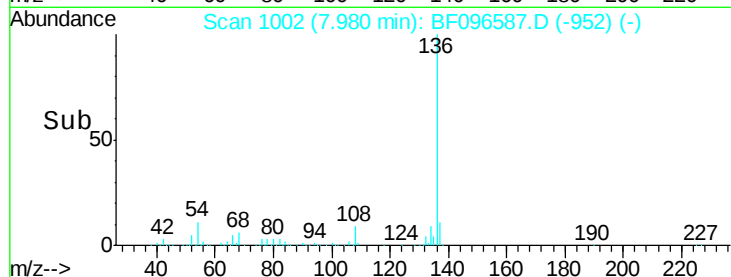


Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.56 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Tgt Ion:105 Resp: 298135

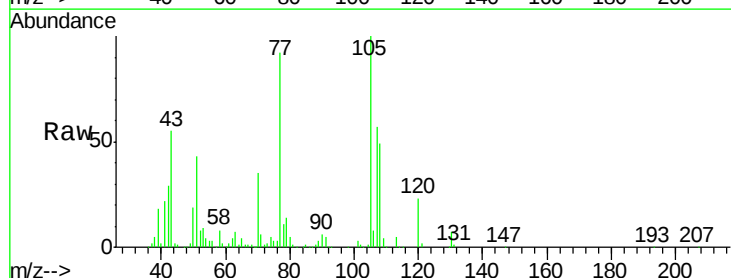
Ion Ratio Lower Upper

105 100

71 5.9 2.8 4.2#

51 42.6 30.7 46.1

120 23.2 17.4 26.0

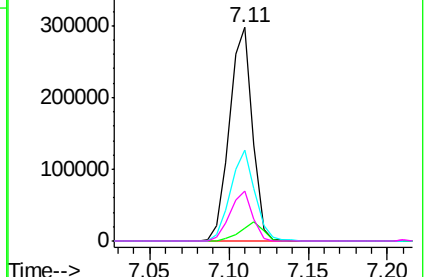
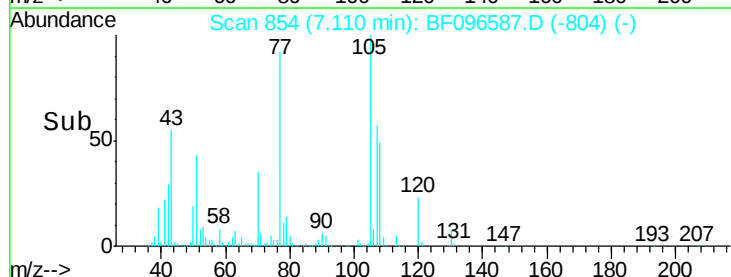


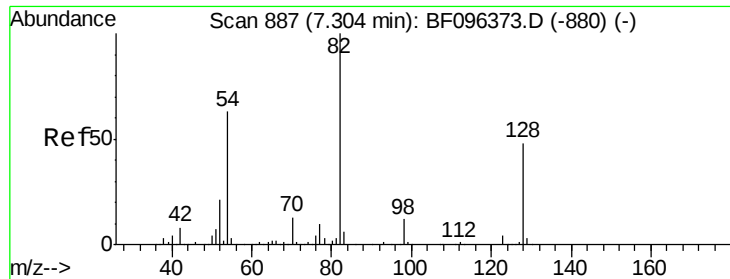
Abundance Ion 105.00 (104.70 to 105.70): E

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

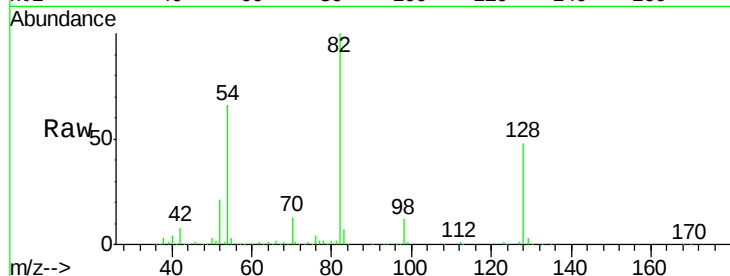




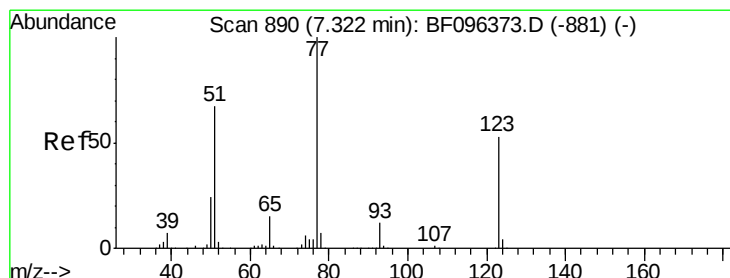
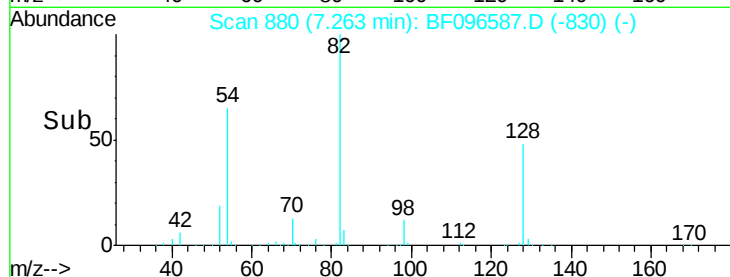
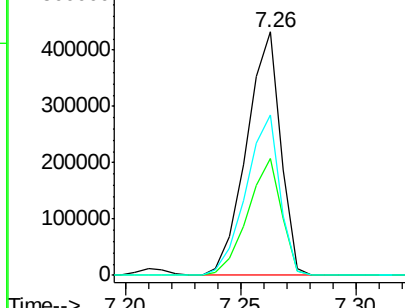
#23  
 Nitrobenzene-d5  
 Concen: 71.87 ng  
 RT: 7.26 min Scan# 880  
 Delta R.T. -0.01 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 82 Resp: 446373  
 Ion Ratio Lower Upper  
 82 100  
 128 48.0 34.0 51.0  
 54 65.7 42.2 63.2#

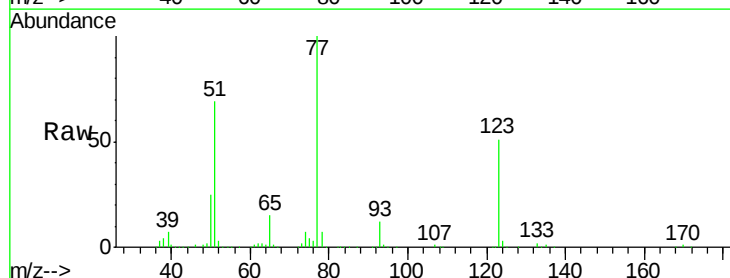


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

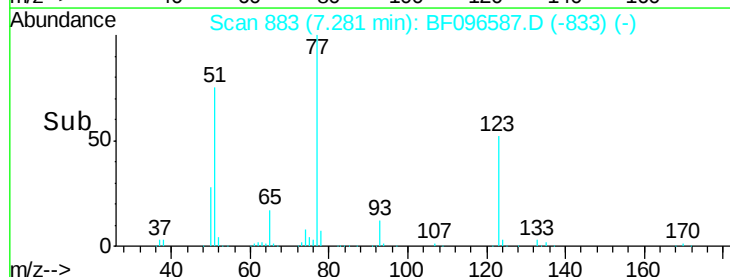
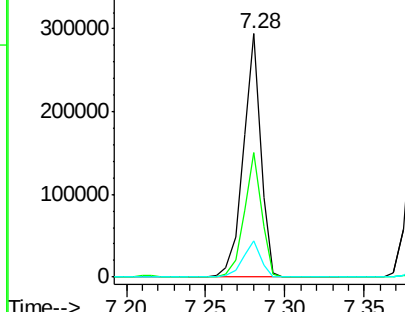


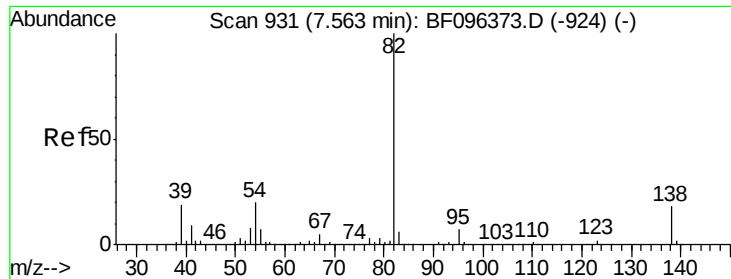
#24  
 Nitrobenzene  
 Concen: 34.21 ng  
 RT: 7.28 min Scan# 883  
 Delta R.T. -0.01 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Tgt Ion: 77 Resp: 222889  
 Ion Ratio Lower Upper  
 77 100  
 123 51.4 35.8 53.8  
 65 14.9 10.6 15.8



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

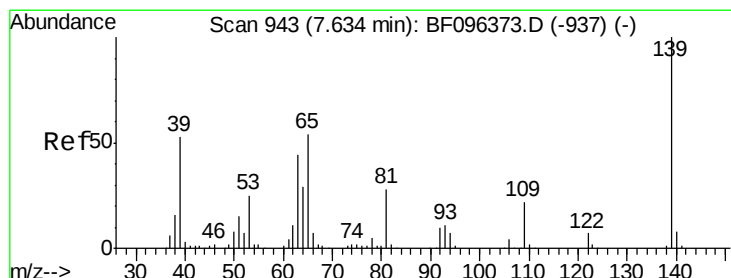
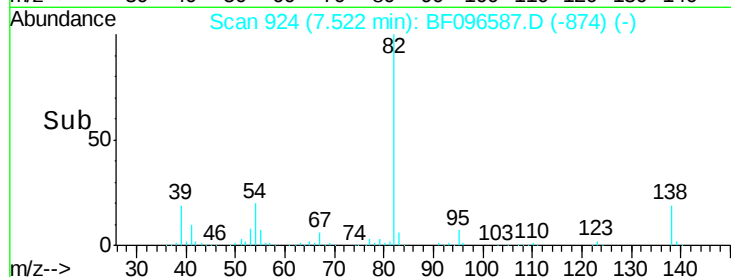
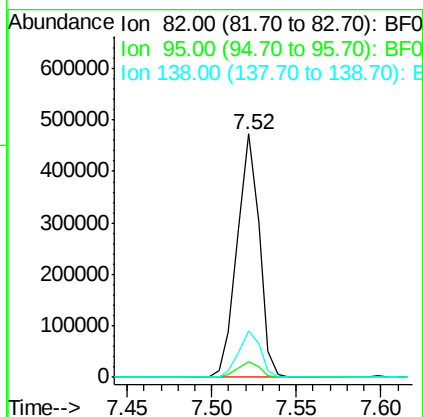
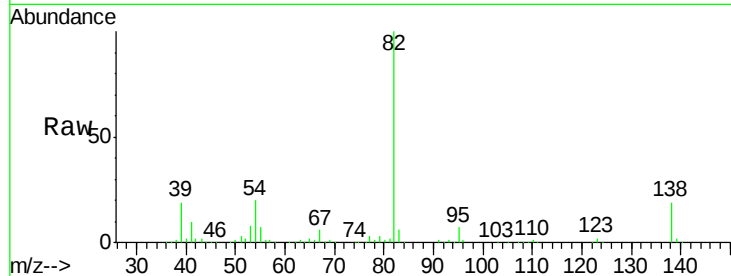




#25  
Isophorone  
Concen: 35.91 ng  
RT: 7.52 min Scan# 924  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

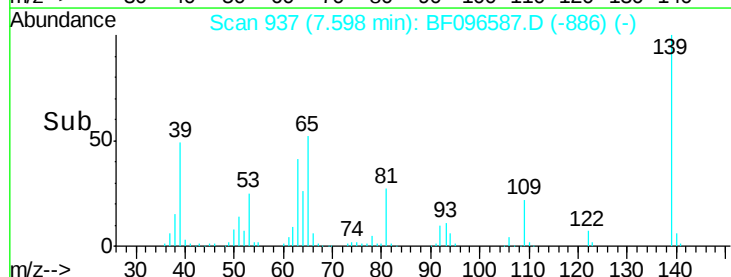
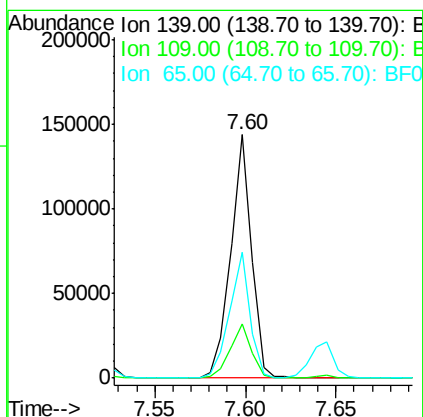
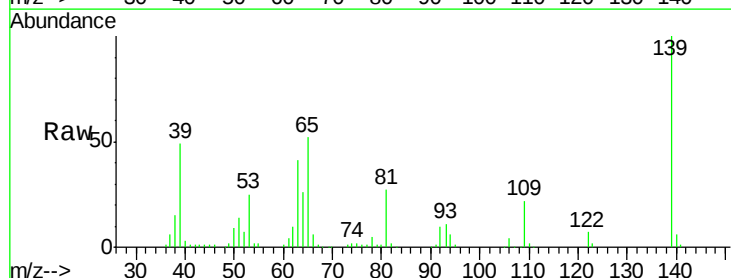
Instrument :  
BNA\_F  
ClientSampleId :

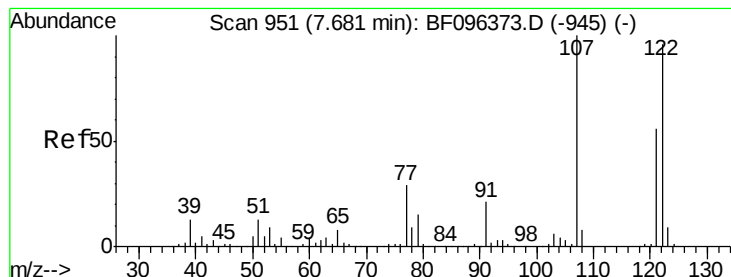
Tot Ion: 82 Resp: 432406  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.3 7.9  
138 19.3 13.1 19.7



#26  
2-Nitrophenol  
Concen: 33.55 ng  
RT: 7.60 min Scan# 937  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Tgt Ion: 139 Resp: 115714  
Ion Ratio Lower Upper  
139 100  
109 22.4 21.0 31.6  
65 51.6 33.0 49.6#





#27

2,4-Dimethylphenol

Concen: 36.13 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

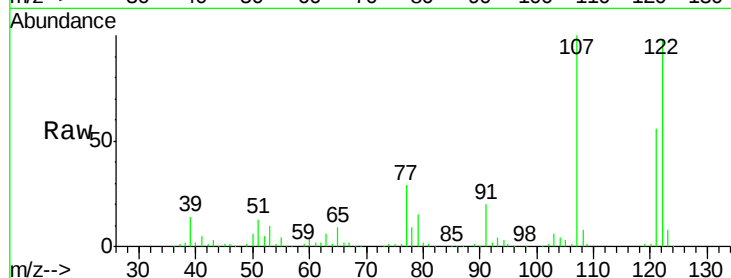
Tot Ion:122 Resp: 212153

Ion Ratio Lower Upper

122 100

107 102.5 89.2 133.8

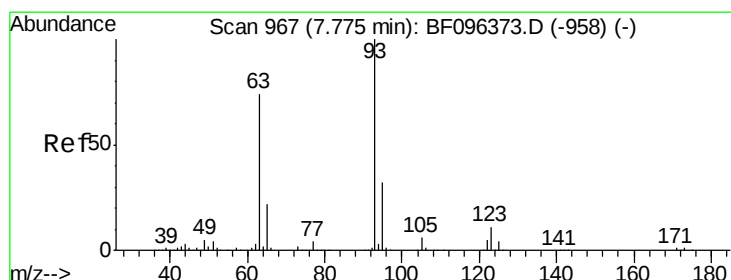
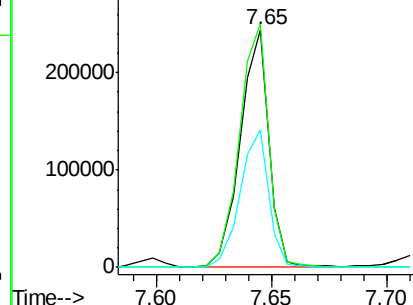
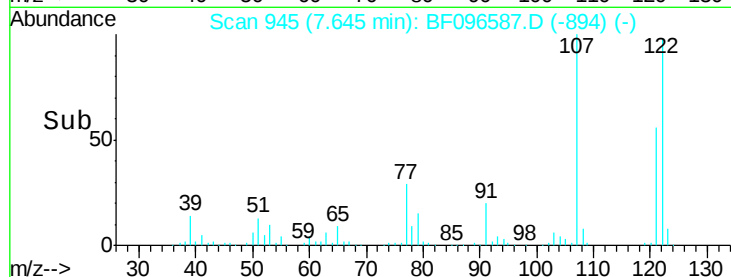
121 57.7 45.2 67.8



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: 36.01 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

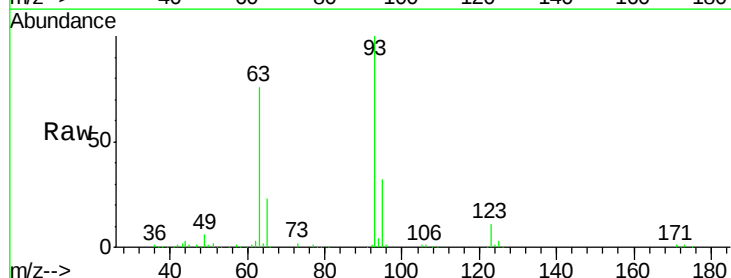
Tgt Ion: 93 Resp: 286258

Ion Ratio Lower Upper

93 100

95 32.2 26.5 39.7

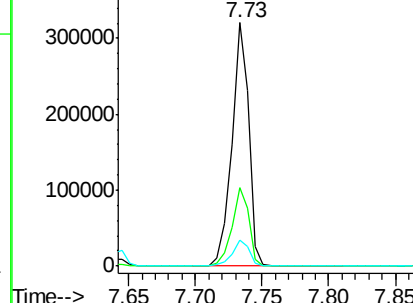
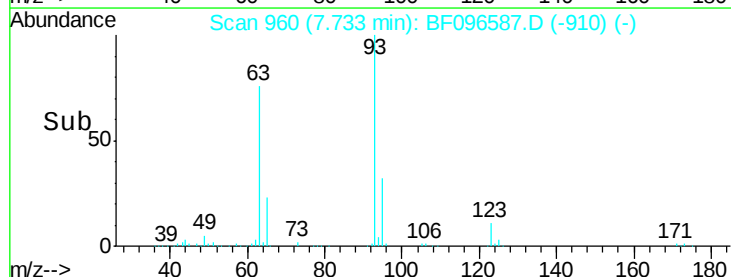
123 10.5 9.0 13.4

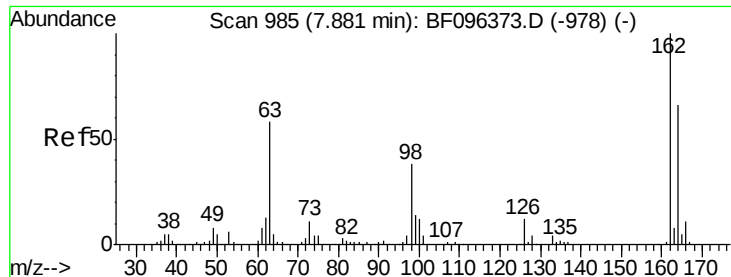


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

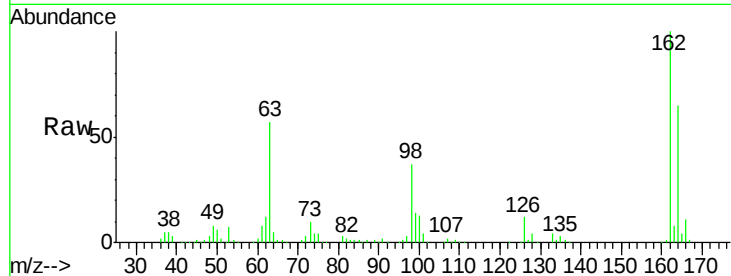




#29  
 2,4-Dichlorophenol  
 Concen: 37.93 ng  
 RT: 7.85 min Scan# 979  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.0  | 44.6  | 84.6  |
| 98      | 37.0  | 14.8  | 54.8  |

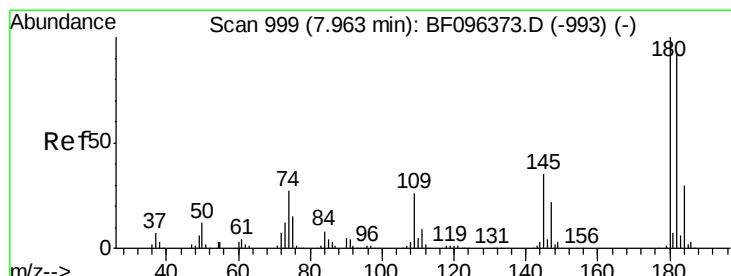
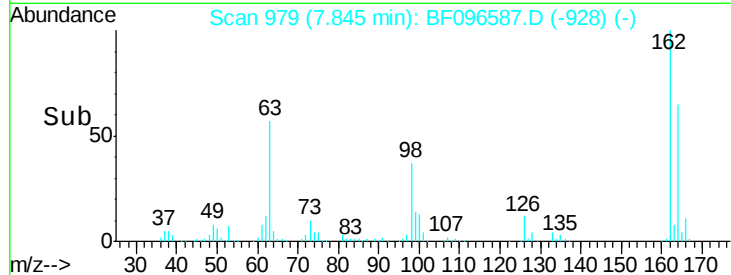
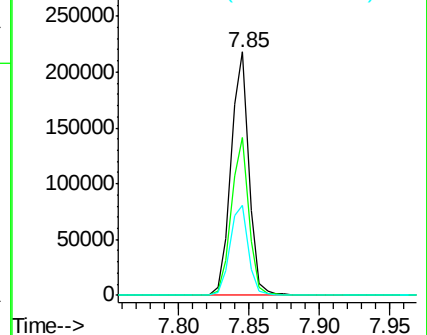


Abundance

Ion 162.00 (161.70 to 162.70): E

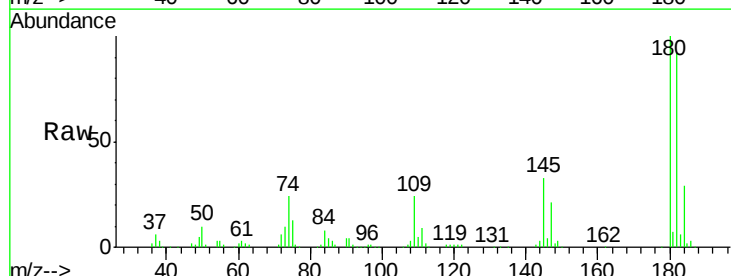
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.31 ng  
 RT: 7.93 min Scan# 993  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.4  | 75.8  | 113.6 |
| 145     | 33.0  | 25.3  | 37.9  |

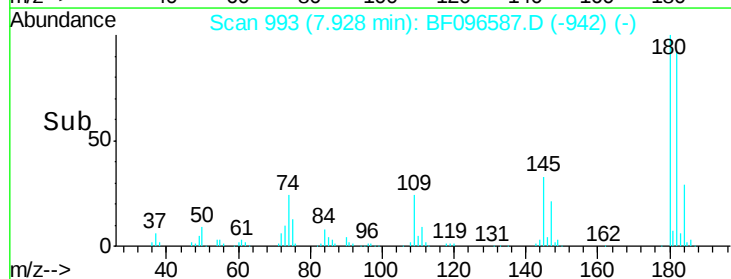
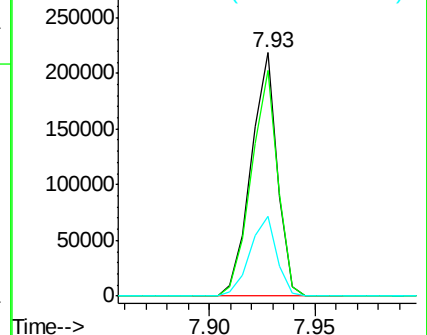


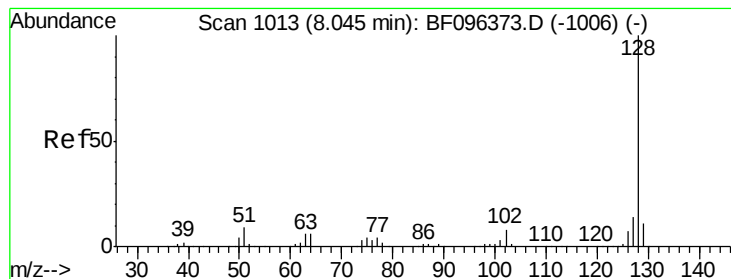
Abundance

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: 38.13 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

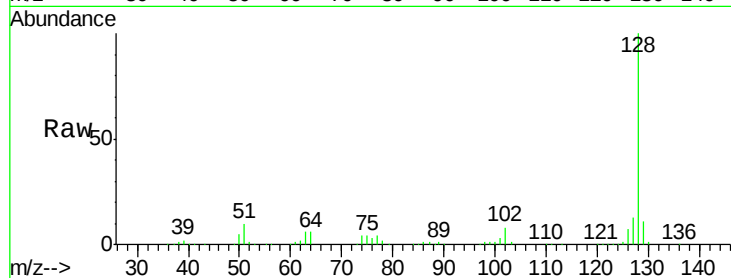
Tot Ion:128 Resp: 671866

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

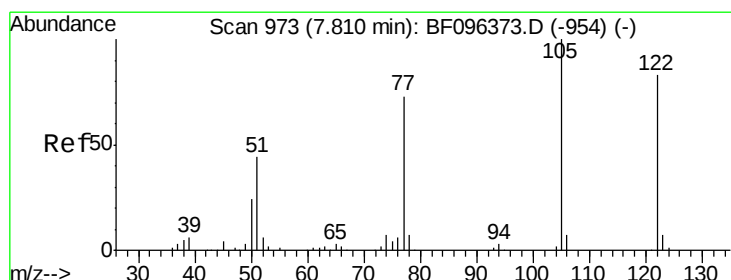
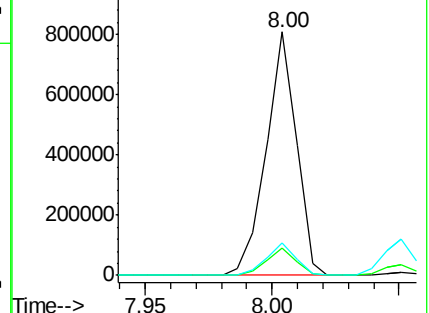
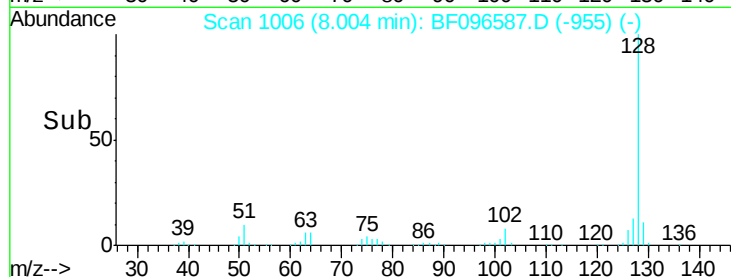
127 13.1 10.8 16.2



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



#32

Benzoic acid

Concen: 3.32 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.07 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

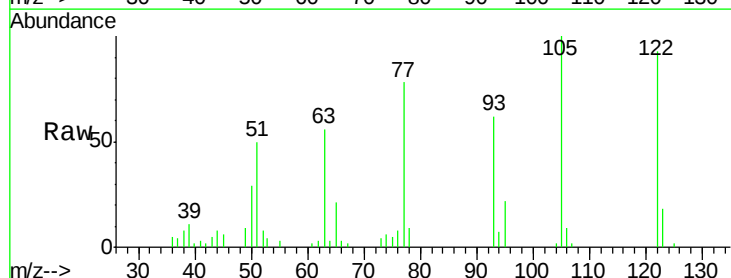
Tgt Ion:122 Resp: 16379

Ion Ratio Lower Upper

122 100

105 107.6 103.3 143.3

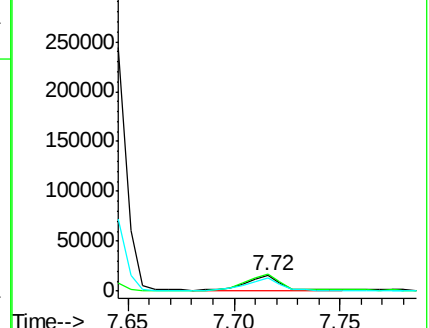
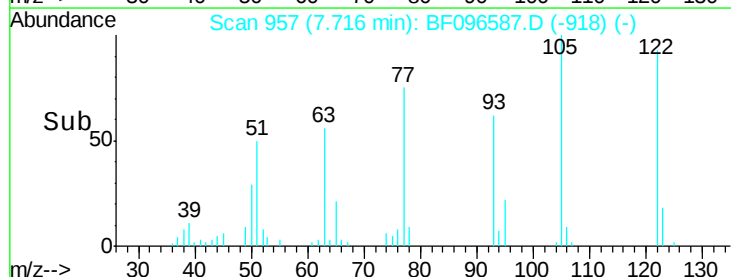
77 83.5 73.7 113.7

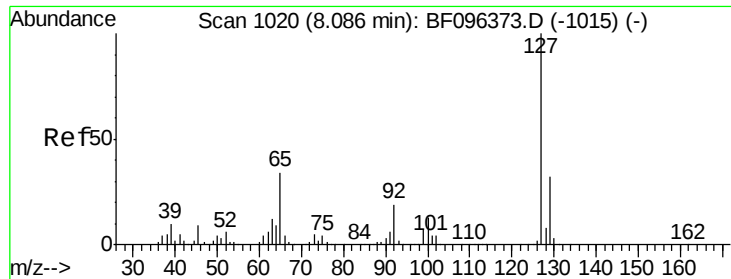


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

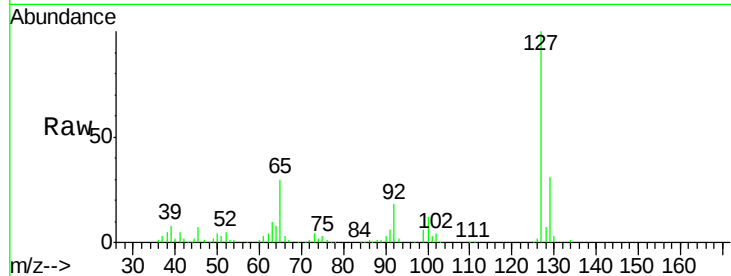




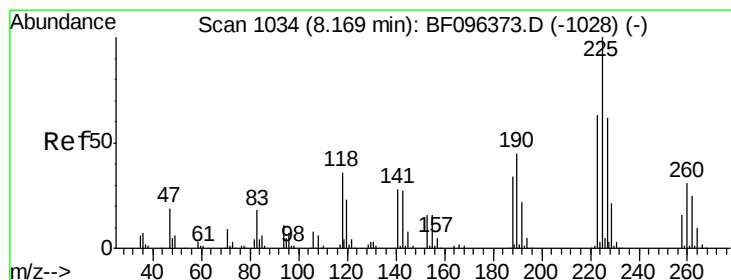
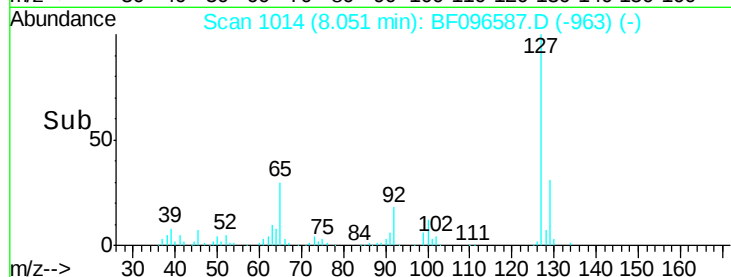
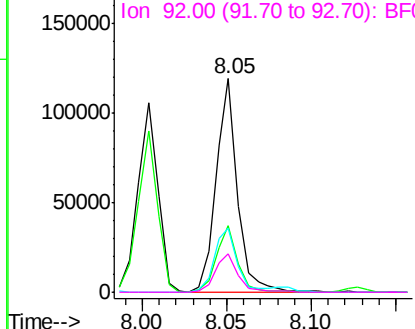
#33  
4-Chloroaniline  
Concen: 14.52 ng  
RT: 8.05 min Scan# 1014  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 106248 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.0  | 26.2  | 39.2   |
| 65       | 30.0  | 27.8  | 41.8   |
| 92       | 18.1  | 16.8  | 25.2   |

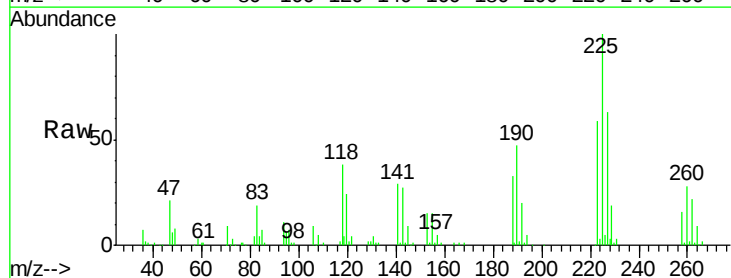


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

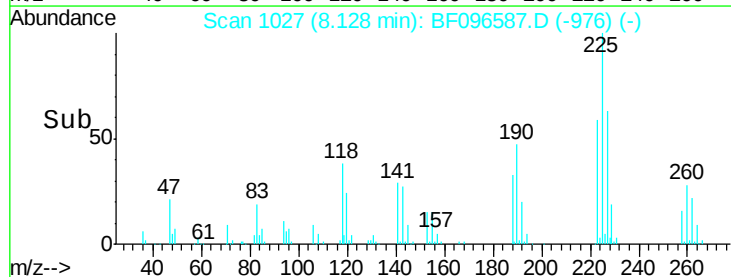
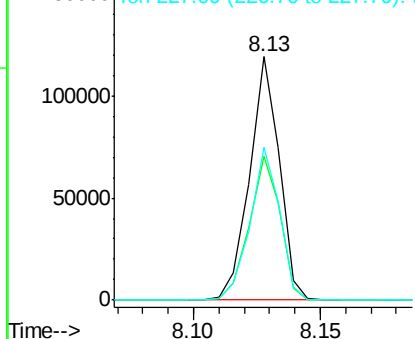


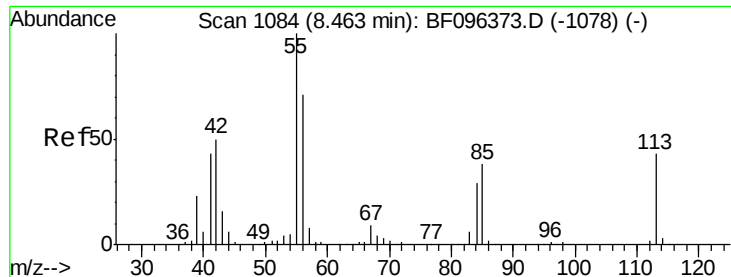
#34  
Hexachlorobutadiene  
Concen: 39.67 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 97249 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 58.8  | 48.8  | 73.2  |
| 227      | 62.6  | 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

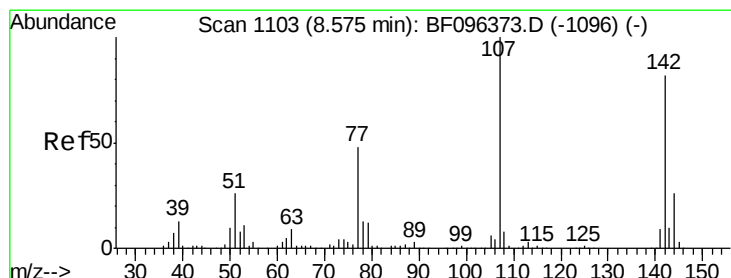
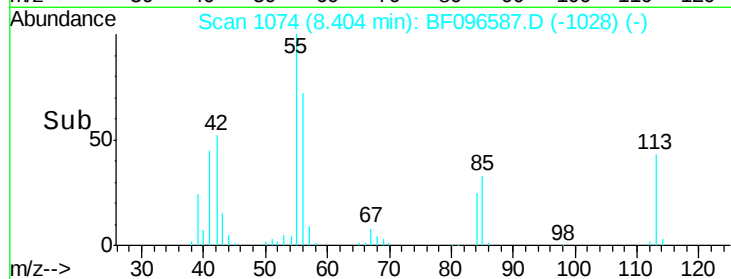
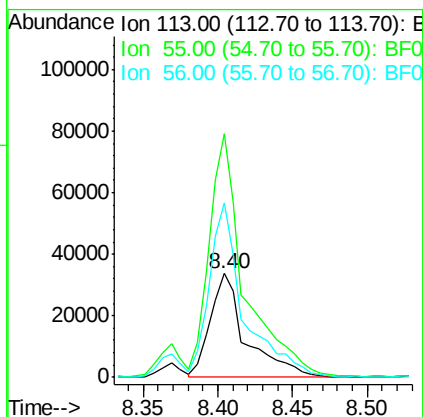
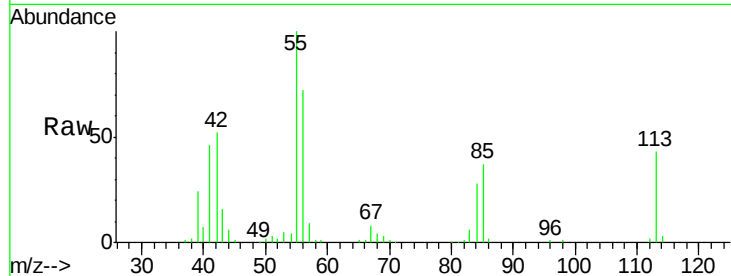




#35  
Caprolactam  
Concen: 32.20 ng  
RT: 8.40 min Scan# 1074  
Delta R.T. -0.03 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

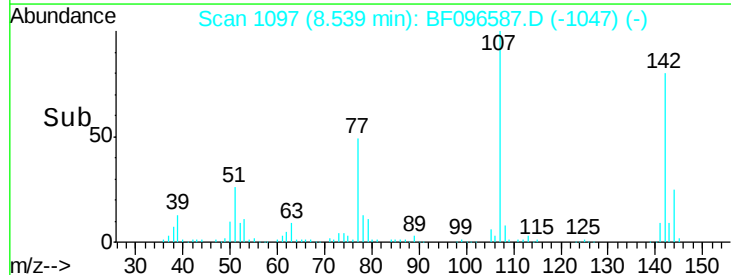
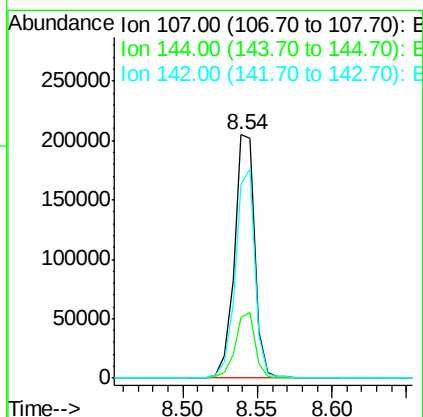
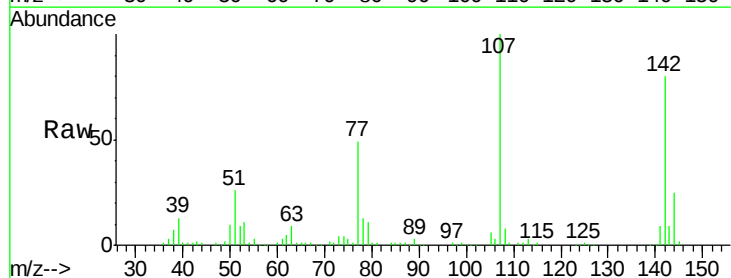
Instrument :  
BNA\_F  
ClientSampleId :

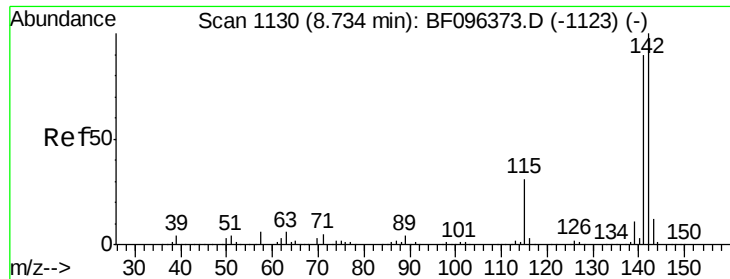
Tot Ion:113 Resp: 56248  
Ion Ratio Lower Upper  
113 100  
55 234.9 150.2 190.2#  
56 168.0 107.8 147.8#



#36  
4-Chloro-3-methylphenol  
Concen: 35.23 ng  
RT: 8.54 min Scan# 1097  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Tgt Ion:107 Resp: 197481  
Ion Ratio Lower Upper  
107 100  
144 24.7 24.2 36.4  
142 79.6 73.4 110.0

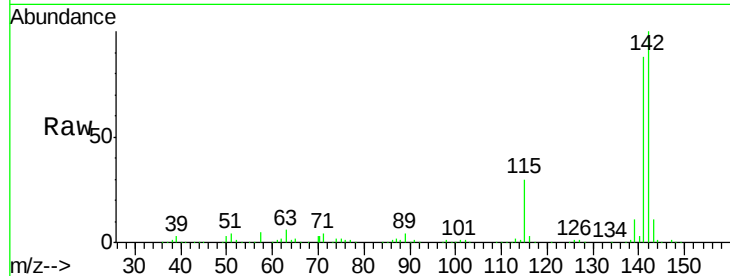




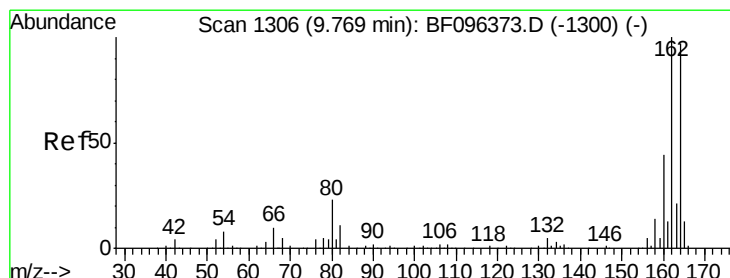
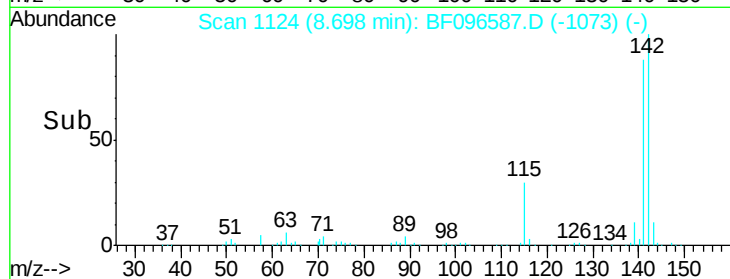
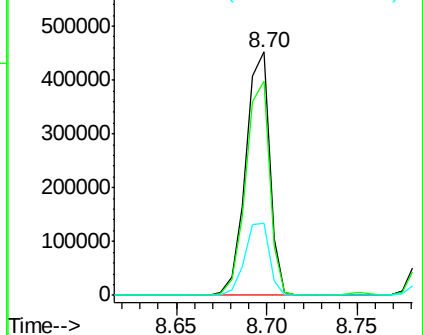
#37  
 2-Methylnaphthalene  
 Concen: 36.95 ng  
 RT: 8.70 min Scan# 1124  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:142 Resp: 414368  
 Ion Ratio Lower Upper  
 142 100  
 141 87.7 71.3 106.9  
 115 29.7 27.1 40.7

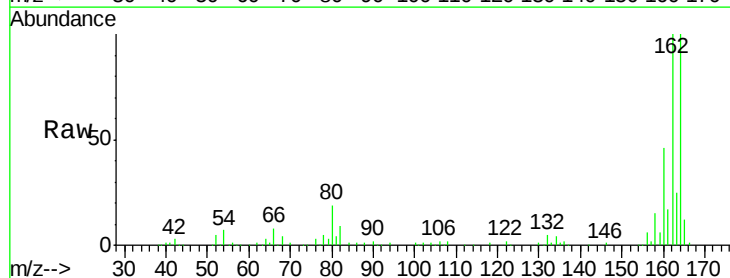


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

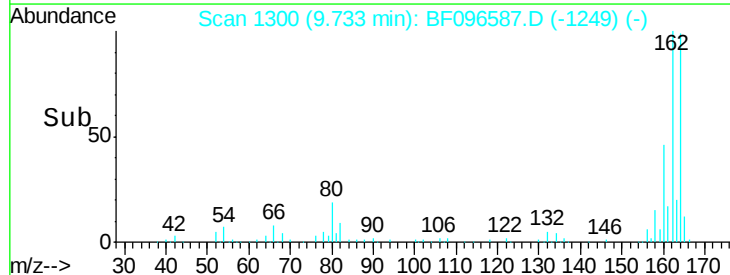
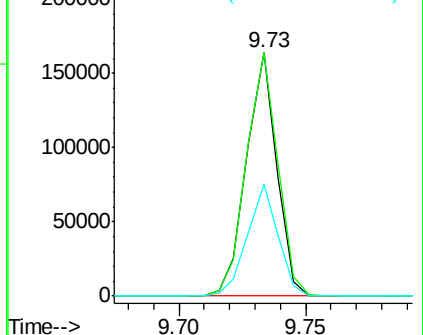


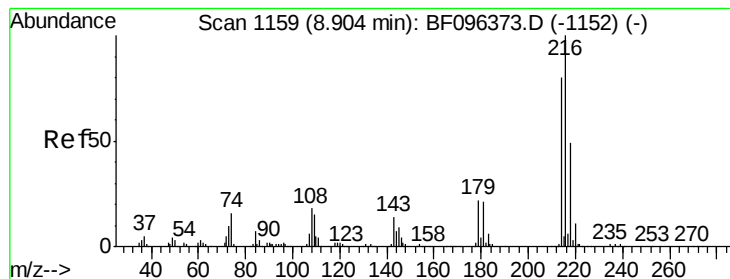
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.73 min Scan# 1300  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Tgt Ion:164 Resp: 136430  
 Ion Ratio Lower Upper  
 164 100  
 162 100.0 82.6 123.8  
 160 45.8 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: 43.38 ng

RT: 8.86 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 153655

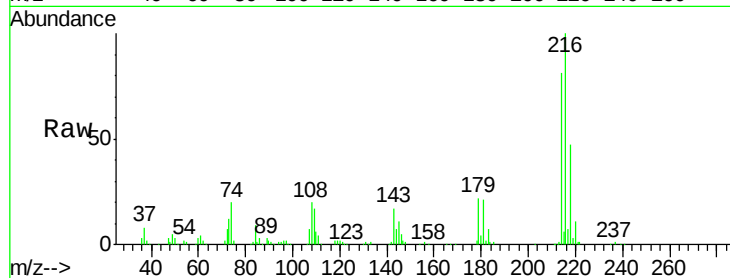
Ion Ratio Lower Upper

216 100

214 80.7 63.4 95.2

179 22.1 17.9 26.9

108 20.8 16.5 24.7

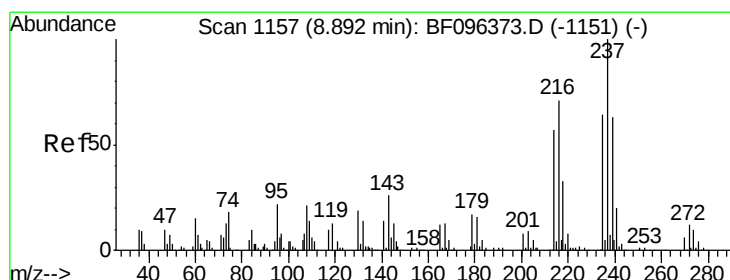
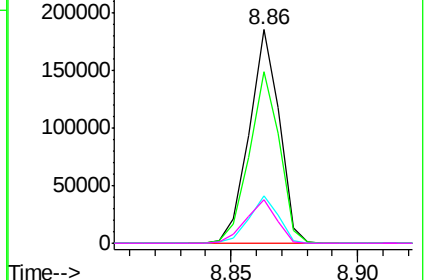
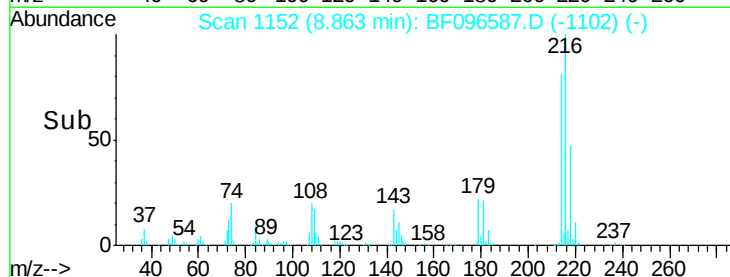


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 9.47 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

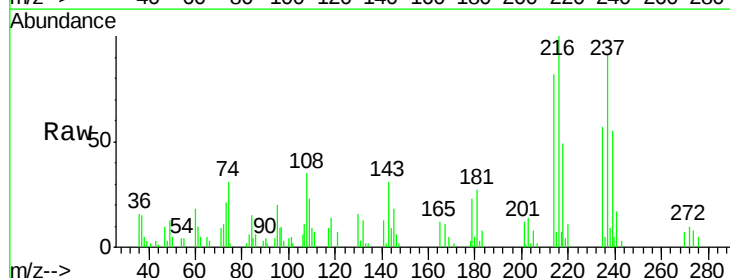
Tgt Ion:237 Resp: 16304

Ion Ratio Lower Upper

237 100

235 63.3 42.6 82.6

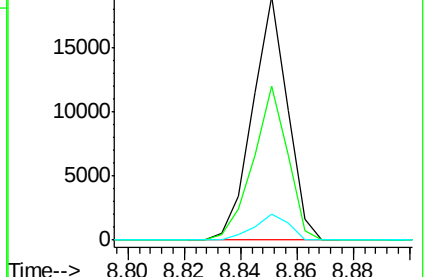
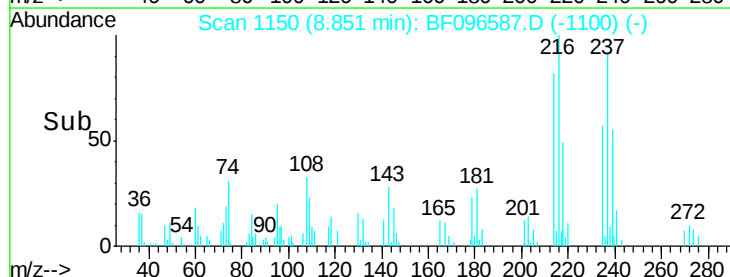
272 10.8 0.0 31.9

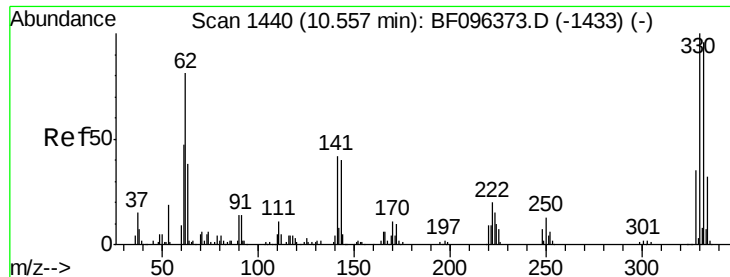


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

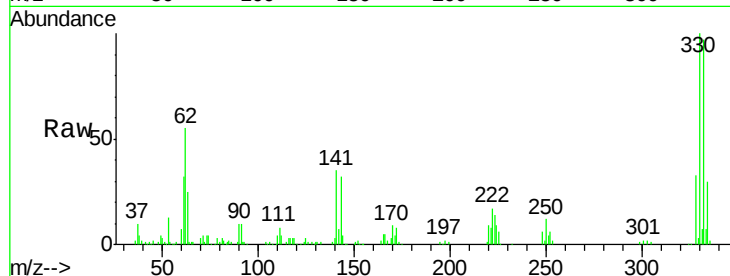




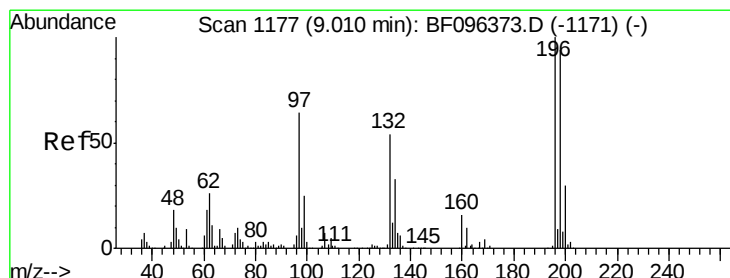
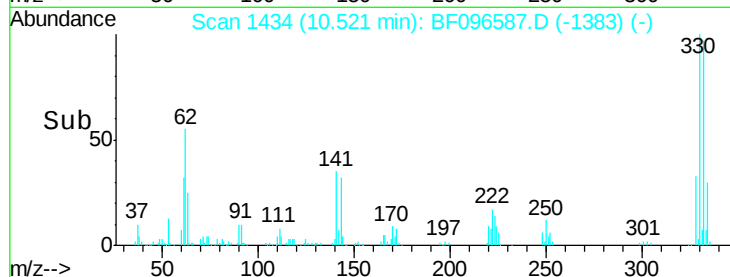
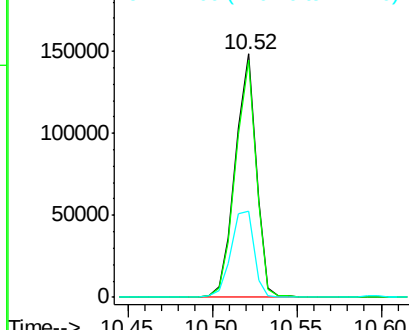
#41  
 2,4,6-Tribromophenol  
 Concen: 119.90 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 127774  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 76.6 115.0  
 141 39.0 31.4 47.2

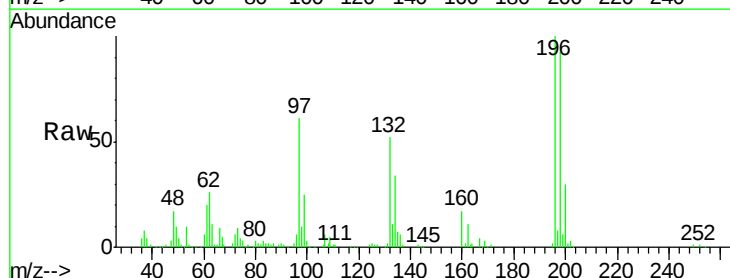


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

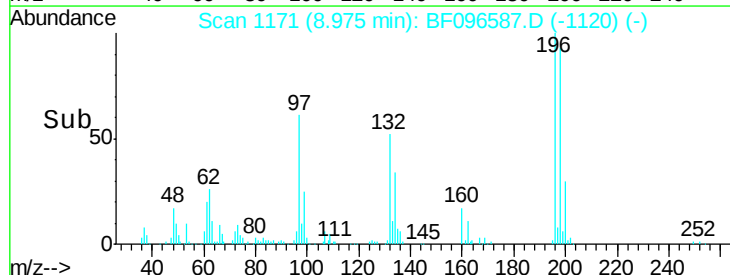
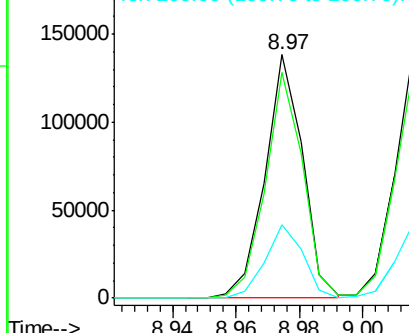


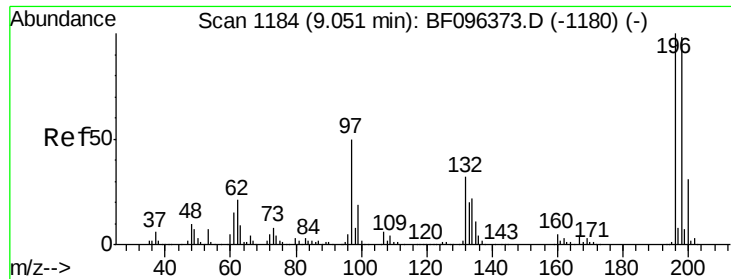
#42  
 2,4,6-Trichlorophenol  
 Concen: 40.78 ng  
 RT: 8.97 min Scan# 1171  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Tgt Ion:196 Resp: 114275  
 Ion Ratio Lower Upper  
 196 100  
 198 92.9 74.2 111.4  
 200 30.0 24.0 36.0



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

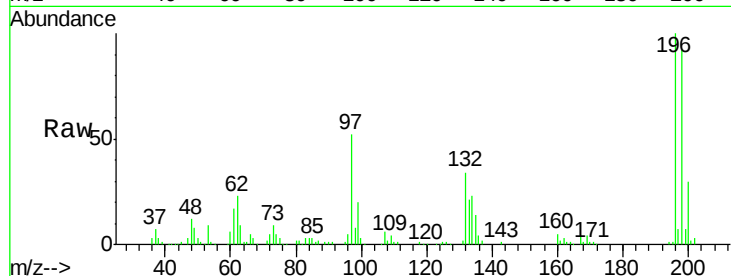




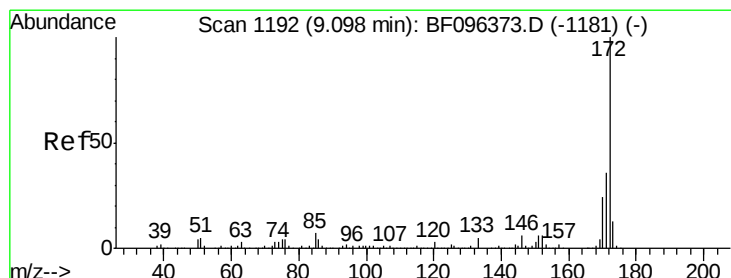
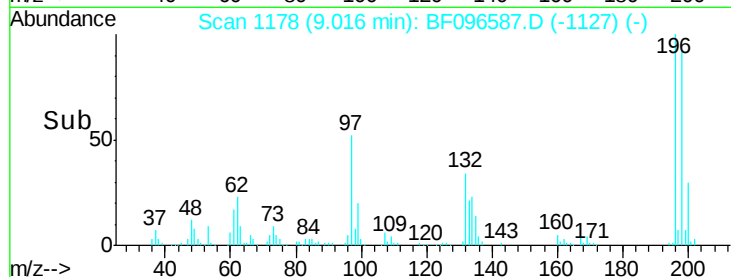
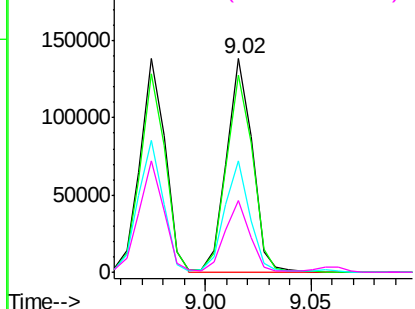
#43  
 2,4,5-Trichlorophenol  
 Concen: 42.13 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 196   | Resp: | 116733 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 92.4  | 75.7  | 113.5  |
| 97       | 52.2  | 47.7  | 71.5   |
| 132      | 33.6  | 28.0  | 42.0   |

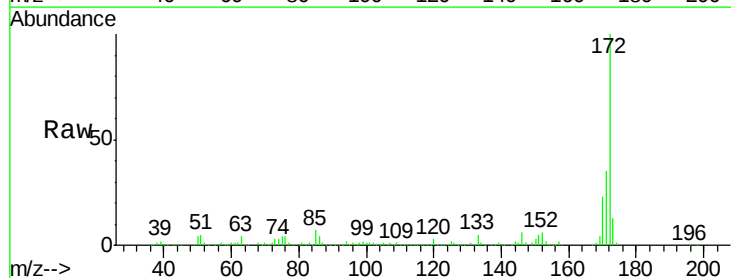


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

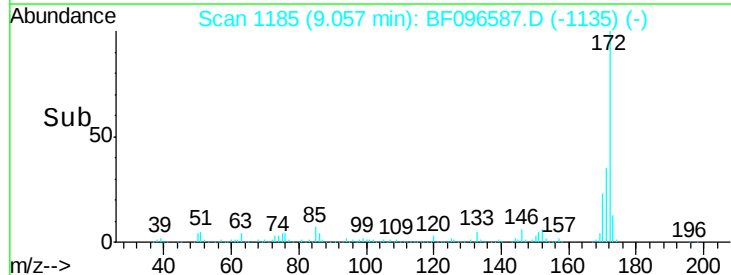
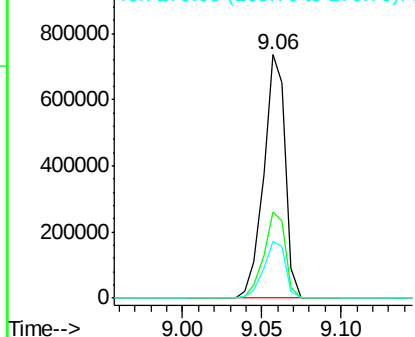


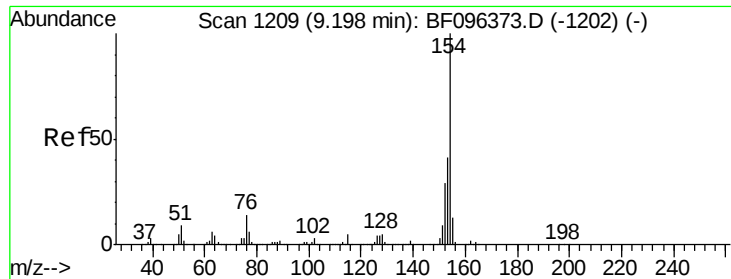
#44  
 2-Fluorobiphenyl  
 Concen: 87.89 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.01 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 172   | Resp: | 701272 |
| Ion      | Ratio | Lower | Upper  |
| 172      | 100   |       |        |
| 171      | 35.5  | 29.6  | 44.4   |
| 170      | 23.4  | 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: 40.31 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

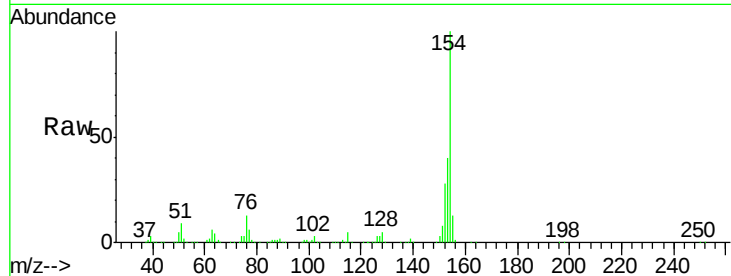
Tot Ion:154 Resp: 471174

Ion Ratio Lower Upper

154 100

153 39.7 21.2 61.2

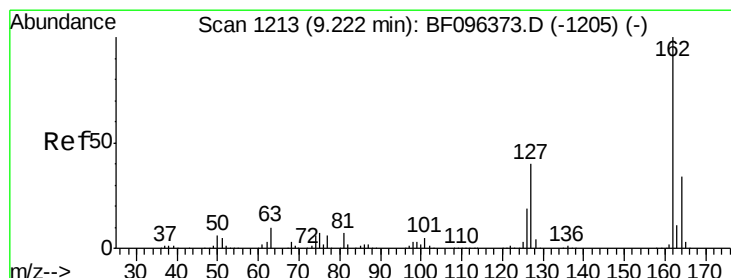
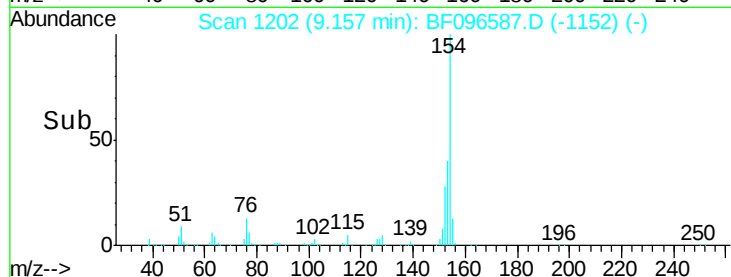
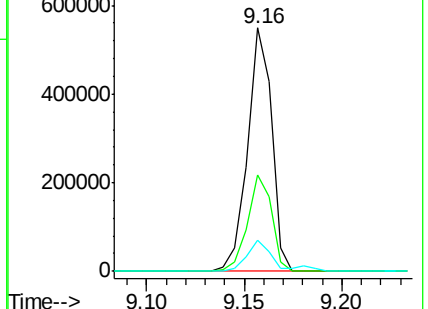
76 13.0 0.0 29.9



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: 41.39 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

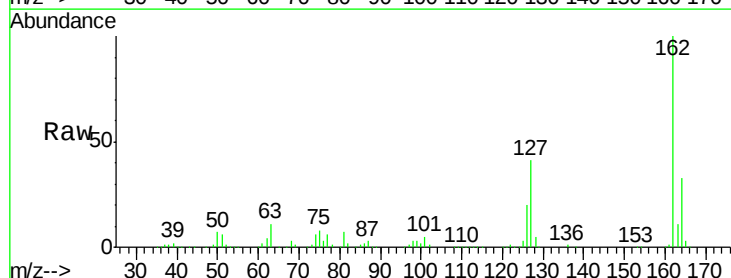
Tgt Ion:162 Resp: 360536

Ion Ratio Lower Upper

162 100

127 41.0 28.3 42.5

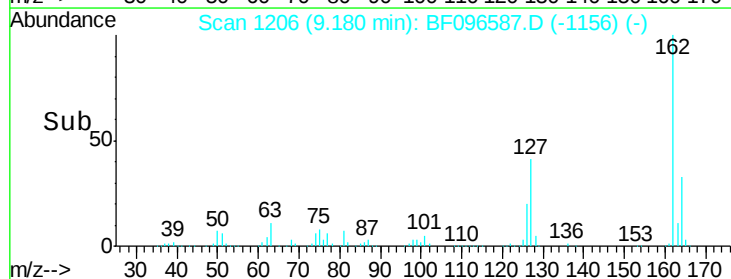
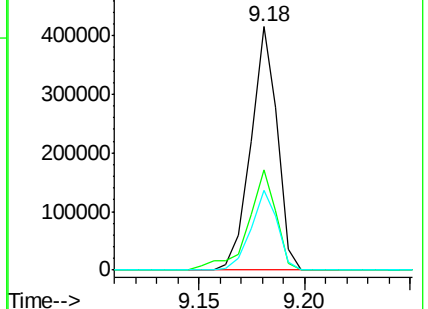
164 32.7 27.0 40.4

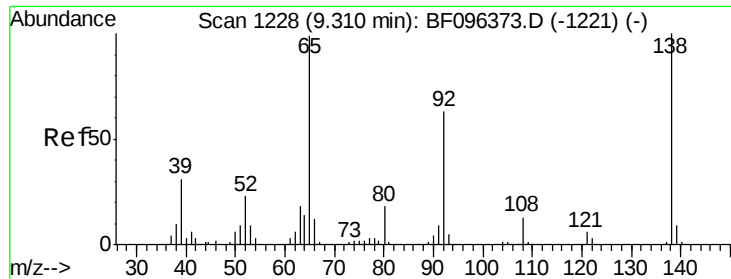


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

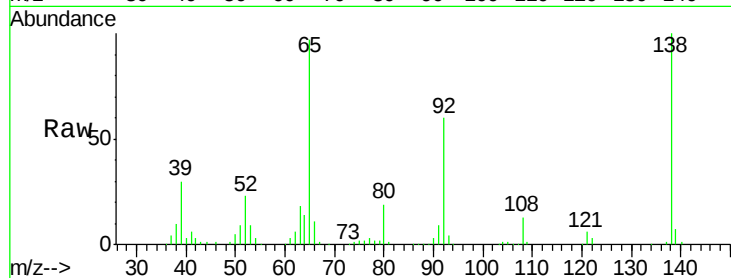




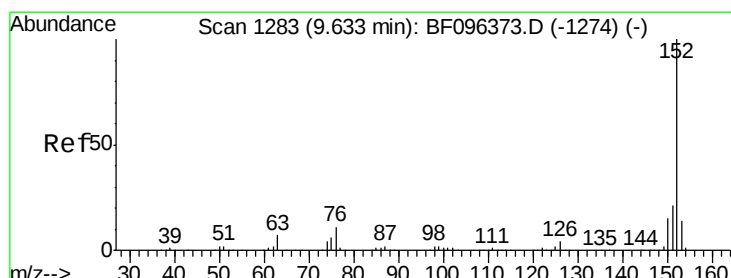
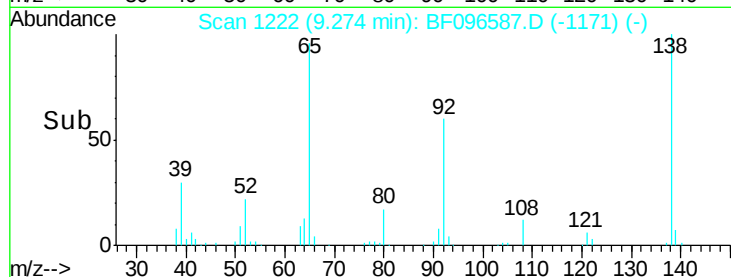
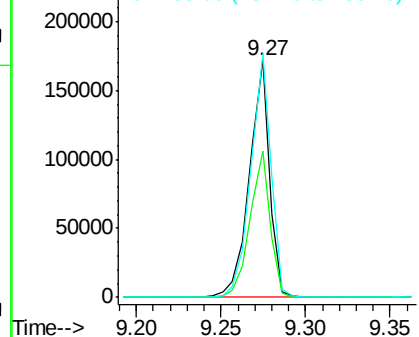
#47  
2-Nitroaniline  
Concen: 45.52 ng  
RT: 9.27 min Scan# 1222  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 65 Resp: 144290  
Ion Ratio Lower Upper  
65 100  
92 62.0 53.9 80.9  
138 102.8 78.8 118.2

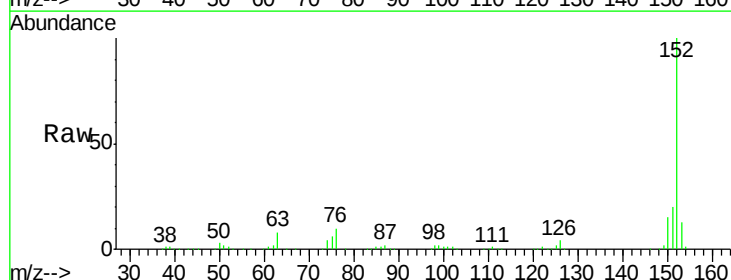


Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0

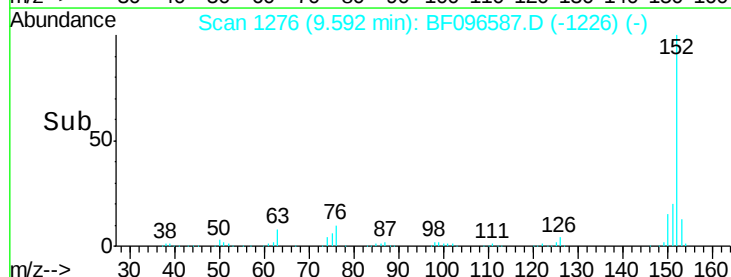
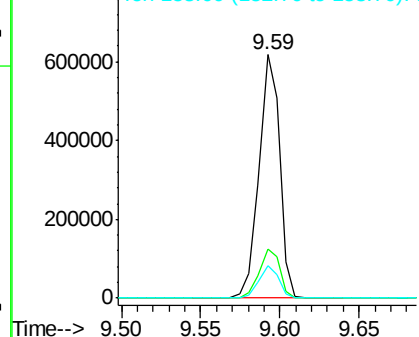


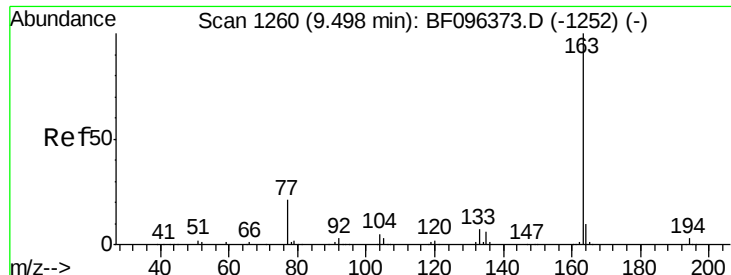
#48  
Acenaphthylene  
Concen: 40.57 ng  
RT: 9.59 min Scan# 1276  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Tgt Ion: 152 Resp: 559967  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.8 25.2  
153 13.4 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E

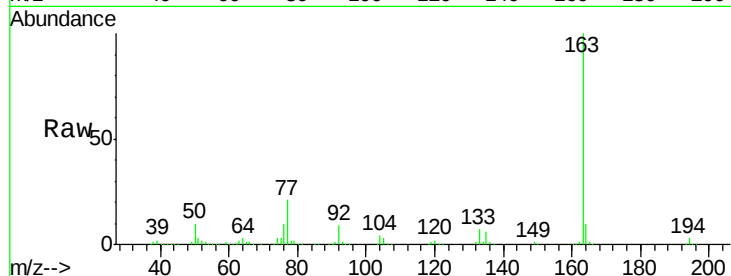




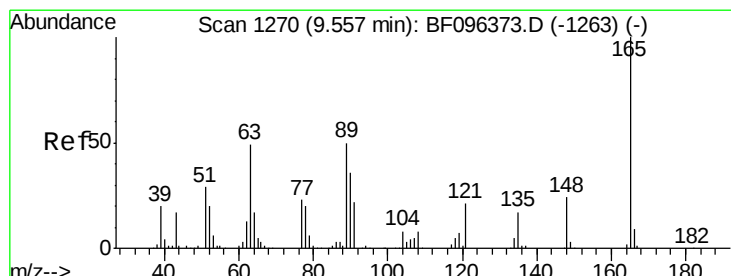
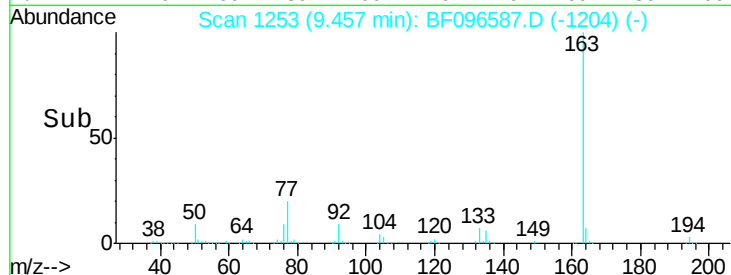
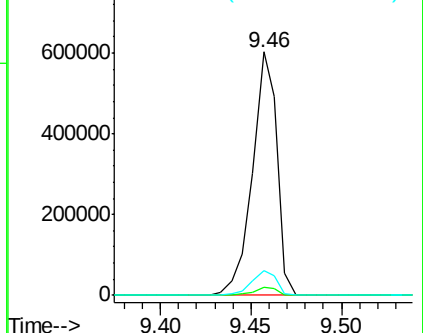
#49  
Dimethylphthalate  
Concen: 55.53 ng  
RT: 9.46 min Scan# 1253  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.1   | 2.6   | 4.0   |
| 164     | 10.1  | 8.4   | 12.6  |

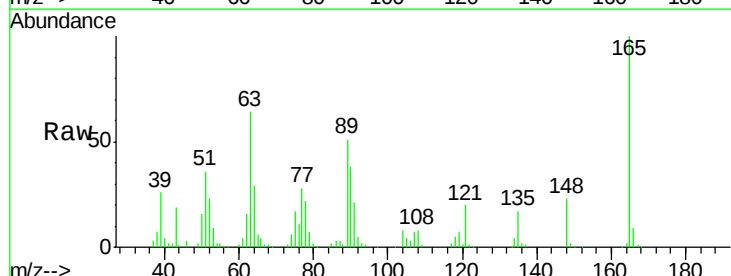


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

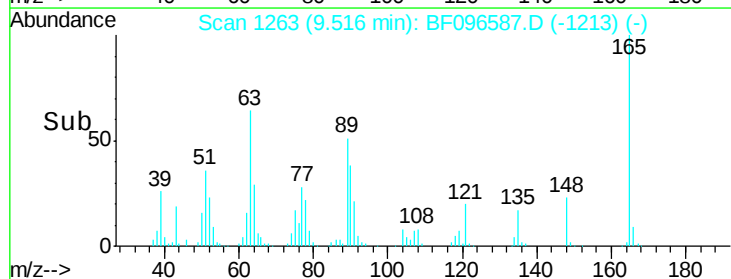
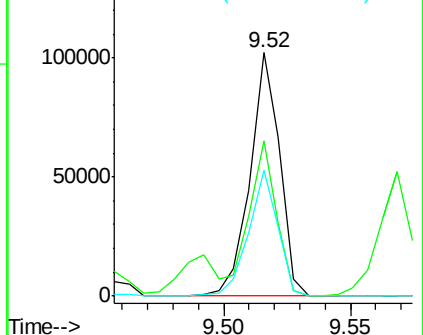


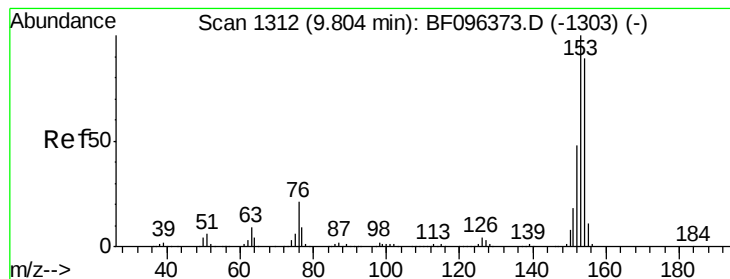
#50  
2,6-Dinitrotoluene  
Concen: 36.82 ng  
RT: 9.52 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 63.8  | 34.3  | 51.5# |
| 89      | 51.4  | 37.1  | 55.7  |



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





#51

Acenaphthene

Concen: 34.59 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

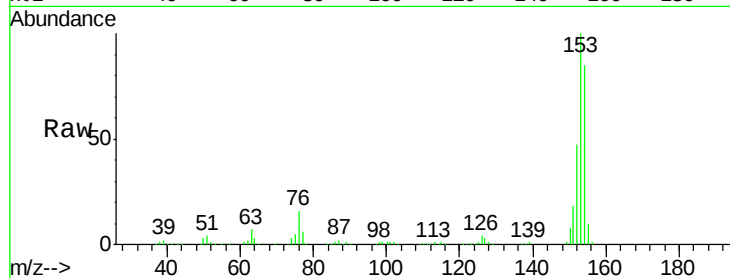
Tot Ion:154 Resp: 294283

Ion Ratio Lower Upper

154 100

153 117.2 90.5 135.7

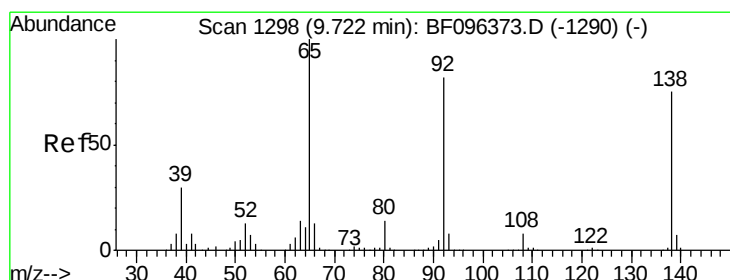
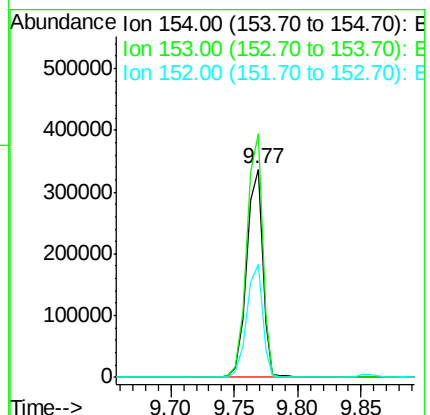
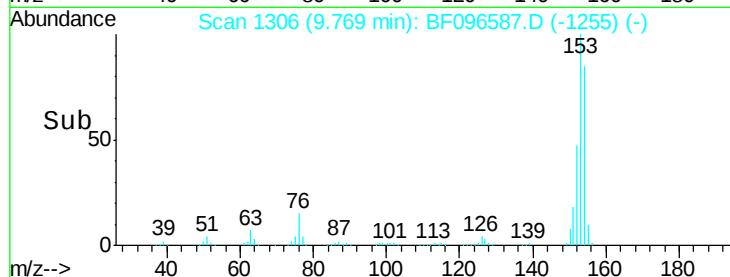
152 54.7 43.6 65.4



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: 36.68 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

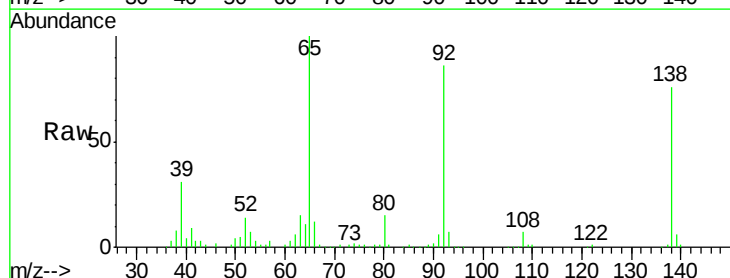
Tgt Ion:138 Resp: 103030

Ion Ratio Lower Upper

138 100

108 9.3 9.1 13.7

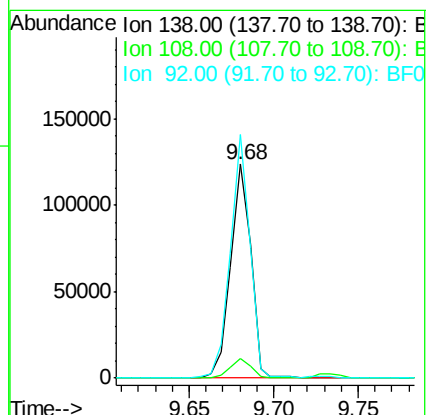
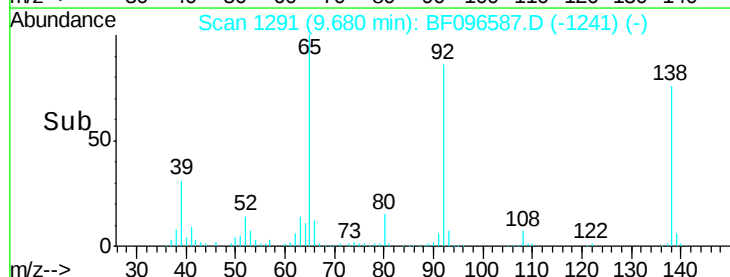
92 113.8 93.8 140.6

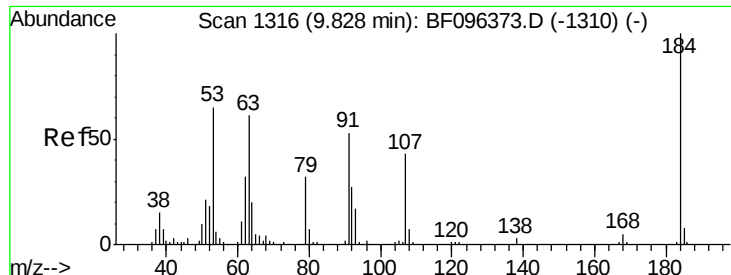


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

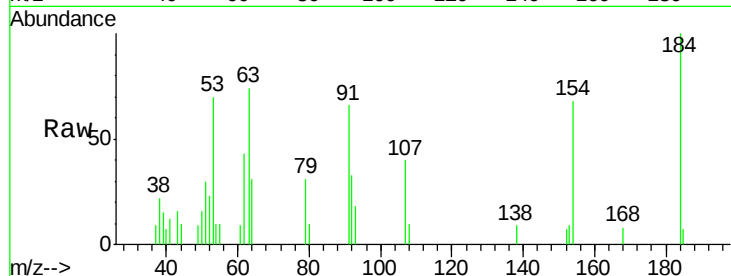




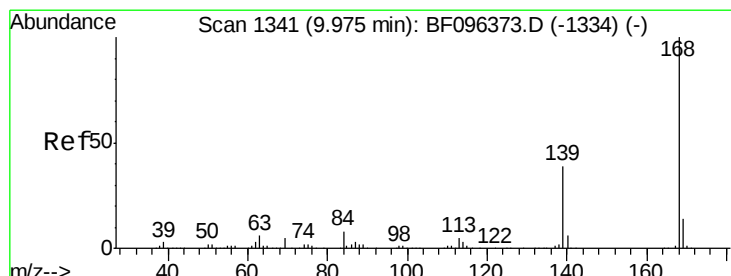
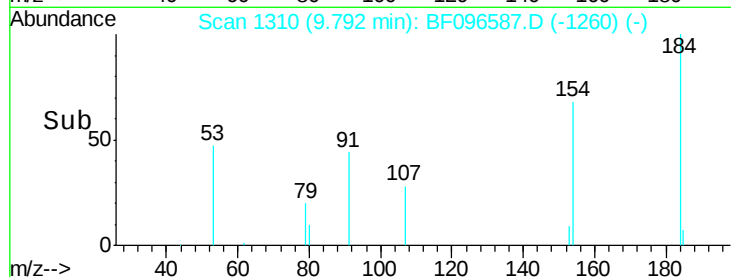
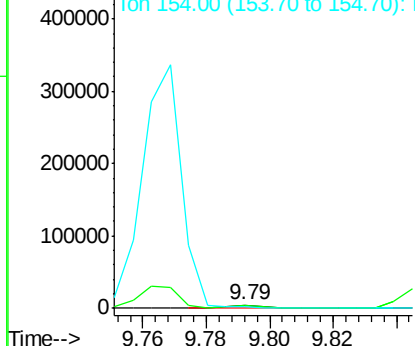
#53  
2,4-Dinitrophenol  
Concen: 3.07 ng  
RT: 9.79 min Scan# 1310  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 3676  
Ion Ratio Lower Upper  
184 100  
63 73.8 62.7 94.1  
154 67.7 81.1 121.7#

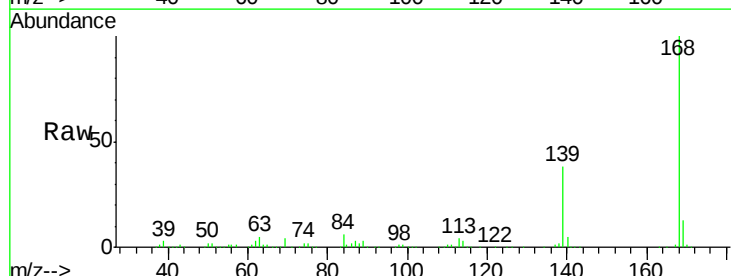


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

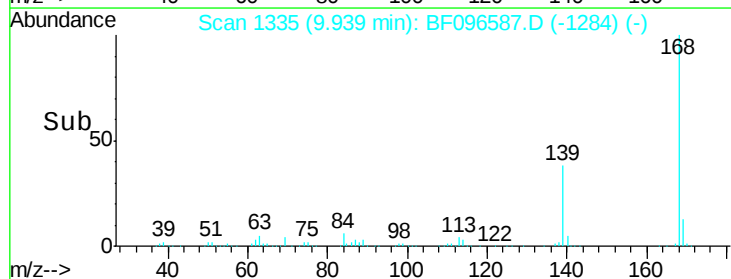
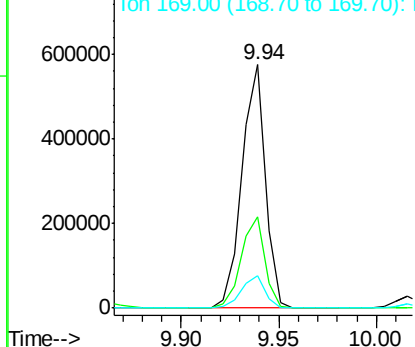


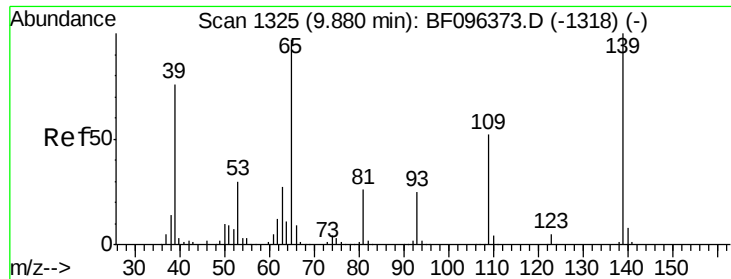
#54  
Dibenzofuran  
Concen: 42.70 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Tgt Ion:168 Resp: 479663  
Ion Ratio Lower Upper  
168 100  
139 37.7 30.6 45.8  
169 13.4 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: 66.22 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

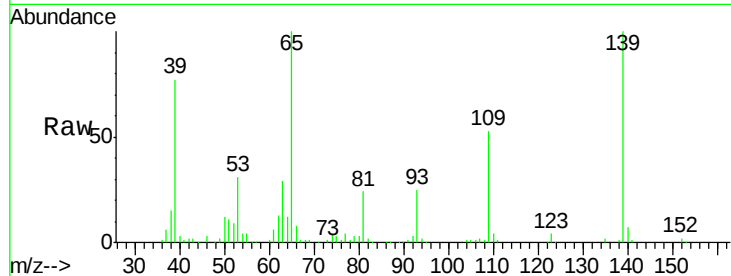
Tot Ion:139 Resp: 154178

Ion Ratio Lower Upper

139 100

109 52.9 34.1 74.1

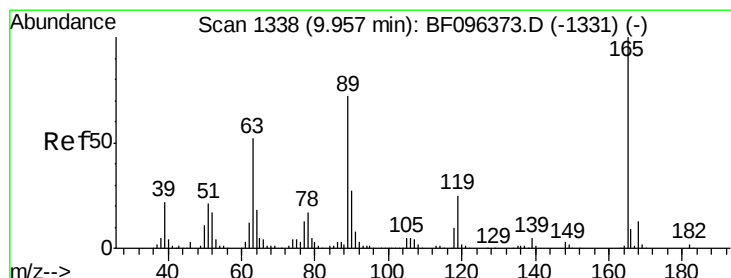
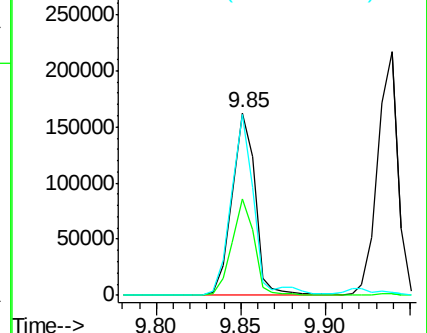
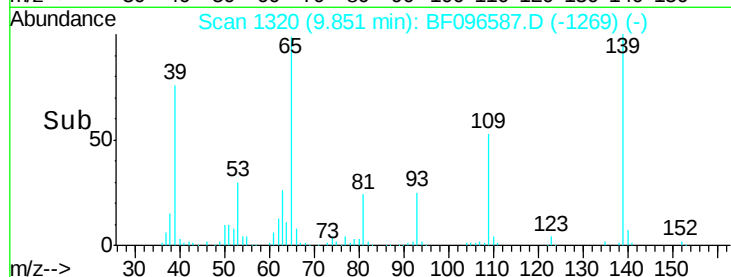
65 99.6 31.4 71.4#



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: 34.45 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Tgt Ion:165 Resp: 98251

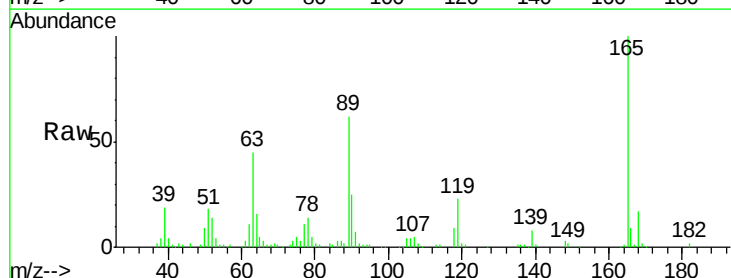
Ion Ratio Lower Upper

165 100

63 45.0 25.4 38.0#

89 62.1 46.4 69.6

182 2.2 1.8 2.6

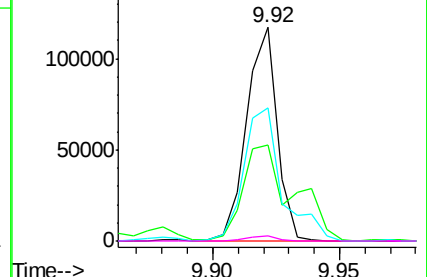
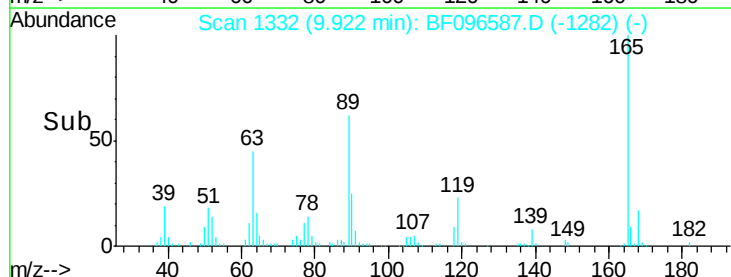


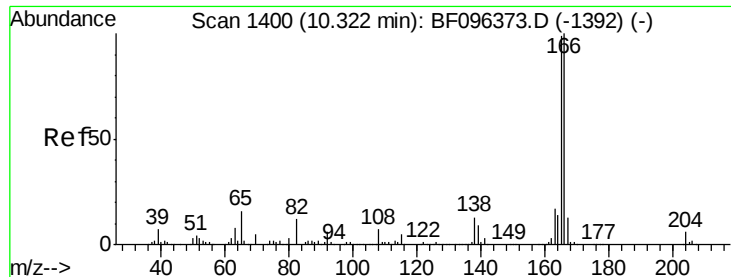
Abundance Ion 165.00 (164.70 to 165.70): E

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

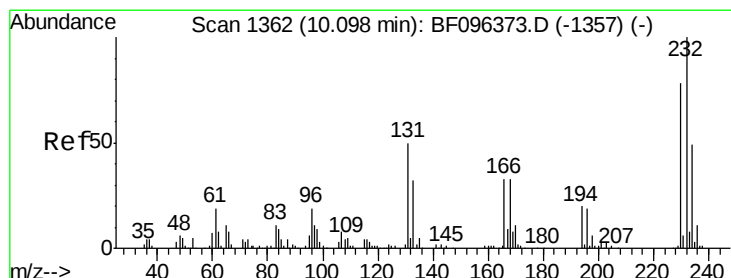
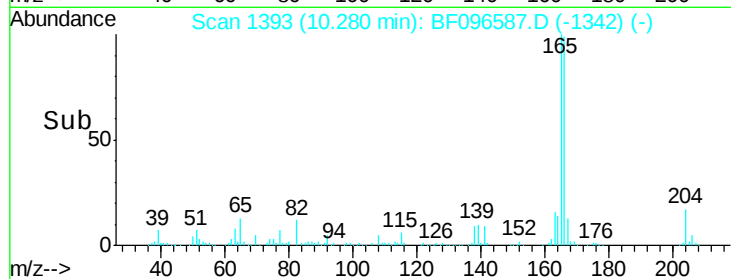
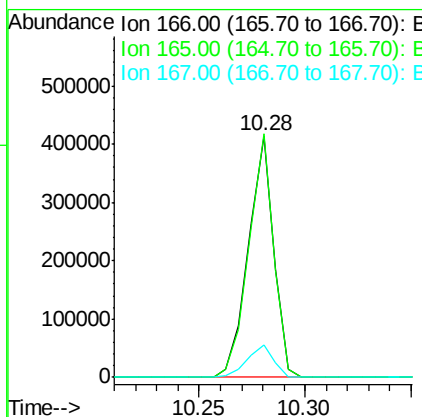
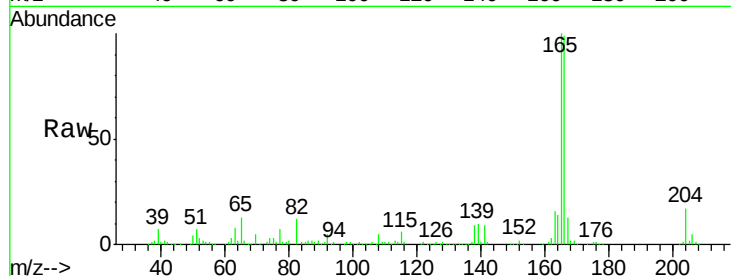




#57  
 Fluorene  
 Concen: 43.73 ng  
 RT: 10.28 min Scan# 1393  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

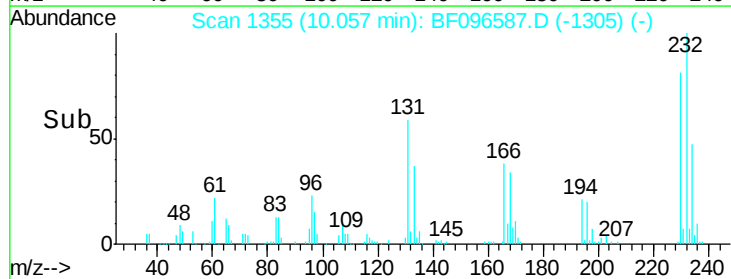
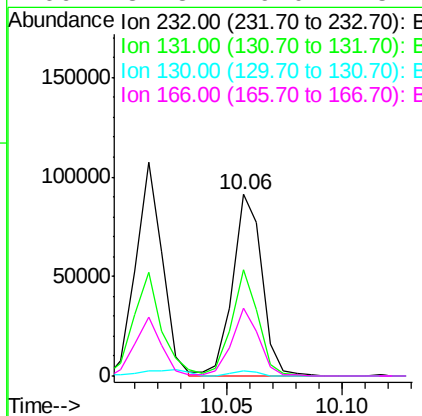
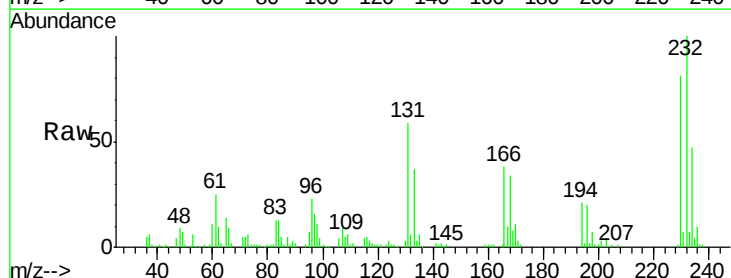
Instrument :  
 BNA\_F  
 ClientSampled :

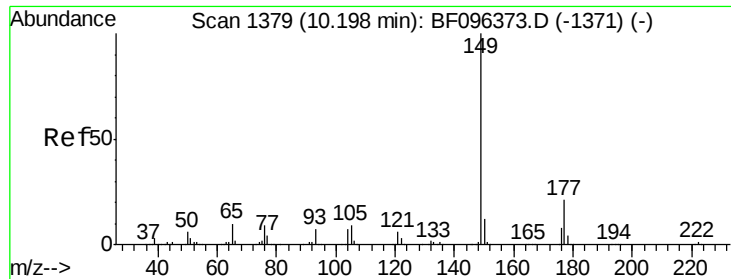
Tot Ion:166 Resp: 346970  
 Ion Ratio Lower Upper  
 166 100  
 165 100.8 78.8 118.2  
 167 13.3 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 42.46 ng  
 RT: 10.06 min Scan# 1355  
 Delta R.T. -0.01 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Tgt Ion:232 Resp: 81400  
 Ion Ratio Lower Upper  
 232 100  
 131 52.7 44.8 67.2  
 130 2.4 2.3 3.5  
 166 34.8 29.0 43.4

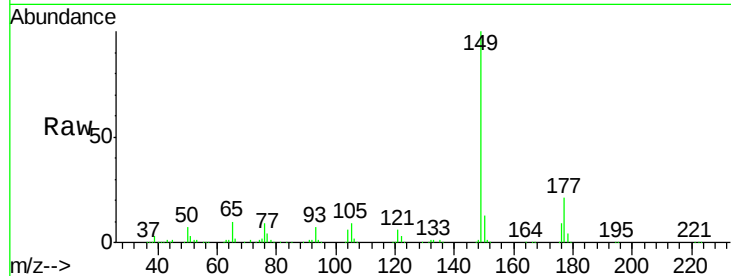




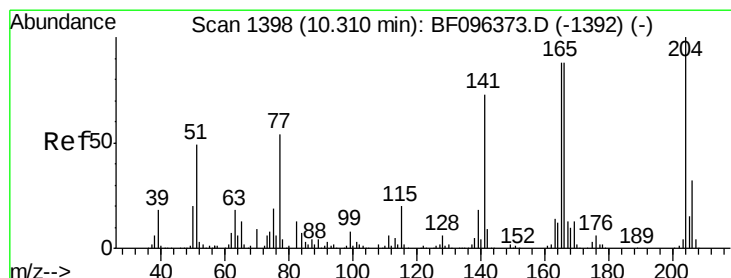
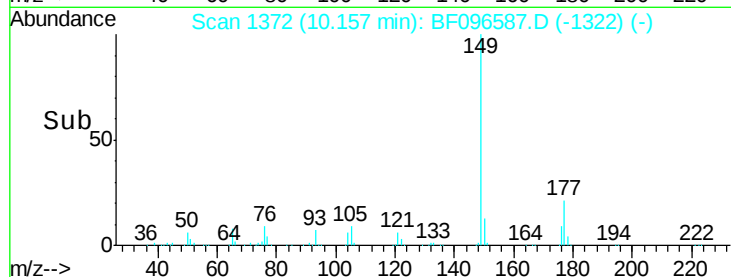
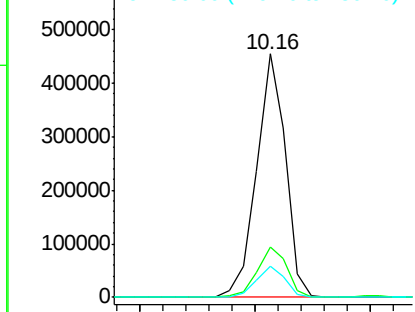
#59  
Diethylphthalate  
Concen: 41.29 ng  
RT: 10.16 min Scan# 1372  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 397473  
Ion Ratio Lower Upper  
149 100  
177 20.6 16.7 25.1  
150 12.7 10.2 15.2

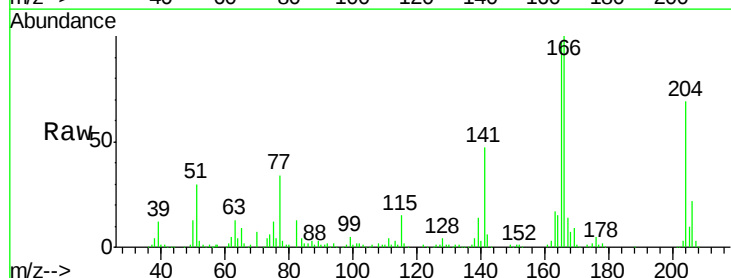


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

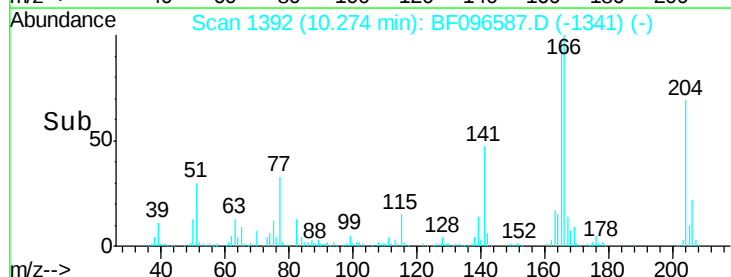
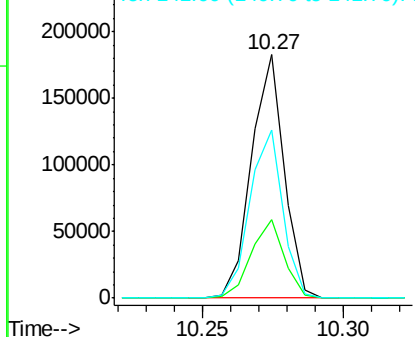


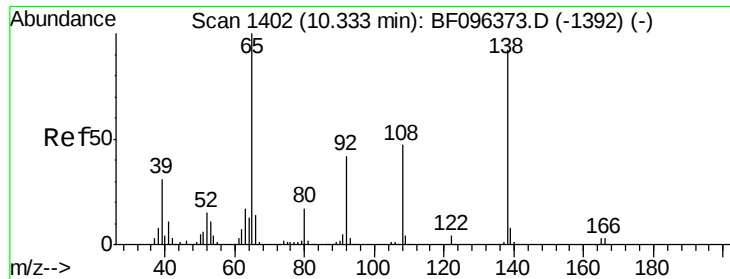
#60  
4-Chlorophenyl-phenylether  
Concen: 42.59 ng  
RT: 10.27 min Scan# 1392  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Tgt Ion:204 Resp: 147035  
Ion Ratio Lower Upper  
204 100  
206 32.2 26.2 39.2  
141 68.8 60.8 91.2



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

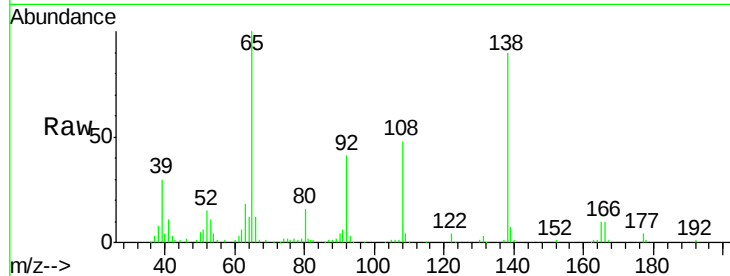




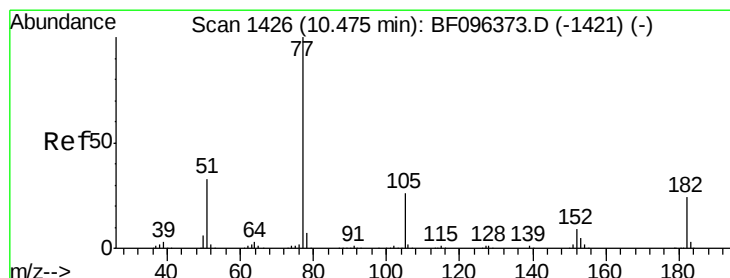
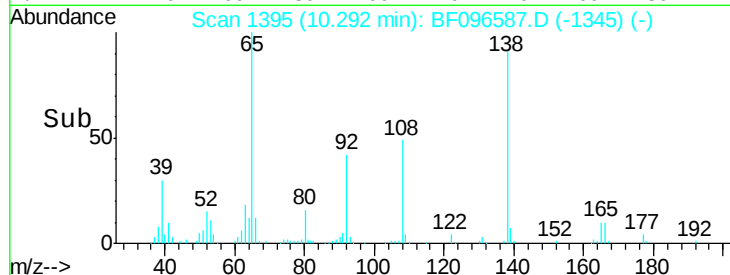
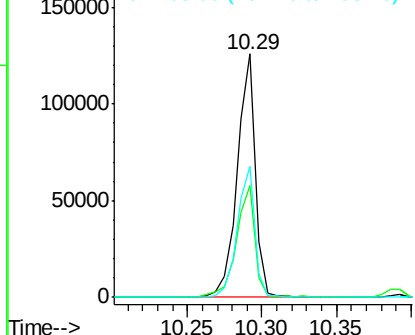
#61  
4-Nitroaniline  
Concen: 42.09 ng  
RT: 10.29 min Scan# 1395  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 107502  
Ion Ratio Lower Upper  
138 100  
92 46.0 21.8 61.8  
108 53.6 42.3 82.3

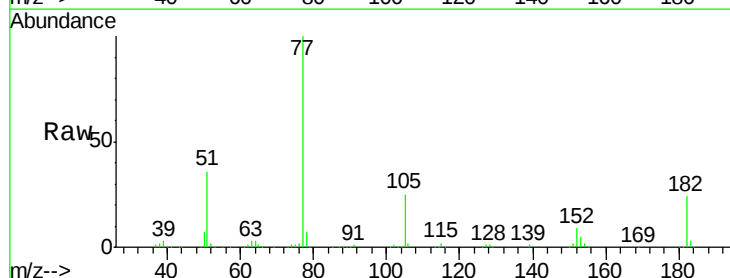


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

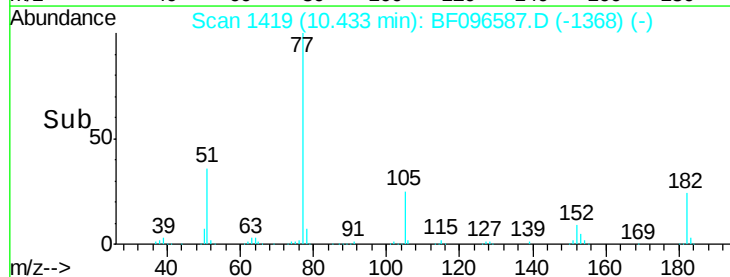
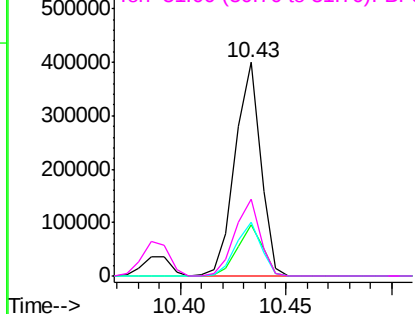


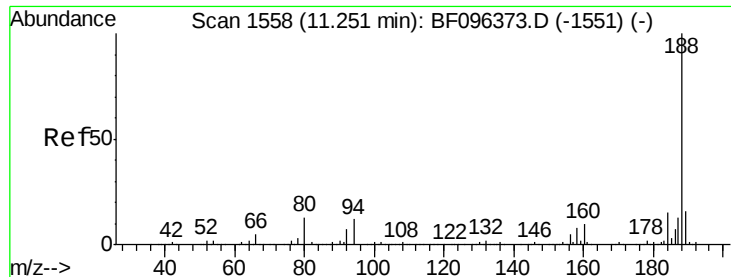
#62  
Azobenzene  
Concen: 35.74 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Tgt Ion: 77 Resp: 332706  
Ion Ratio Lower Upper  
77 100  
182 24.1 0.1 40.1  
105 25.0 3.6 43.6  
51 35.7 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

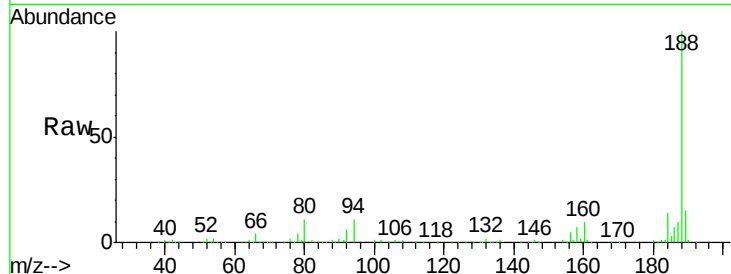




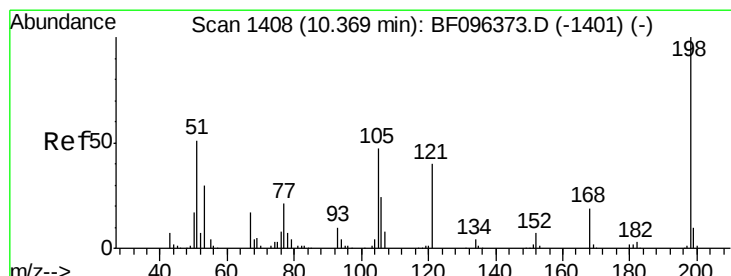
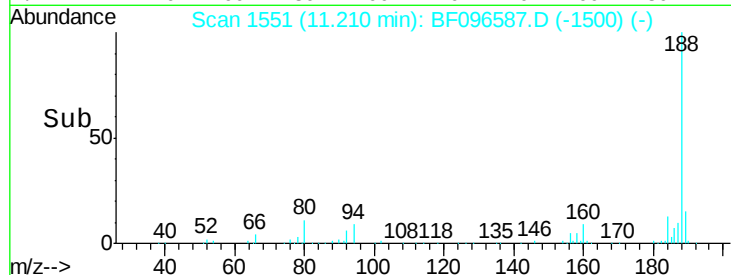
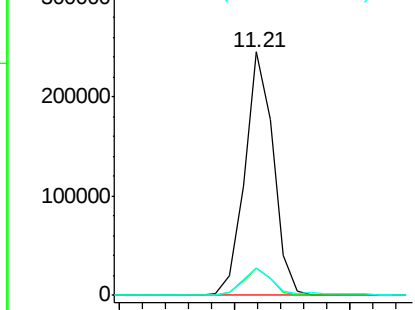
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 211161  
Ion Ratio Lower Upper  
188 100  
94 11.1 9.4 14.2  
80 11.0 10.2 15.2

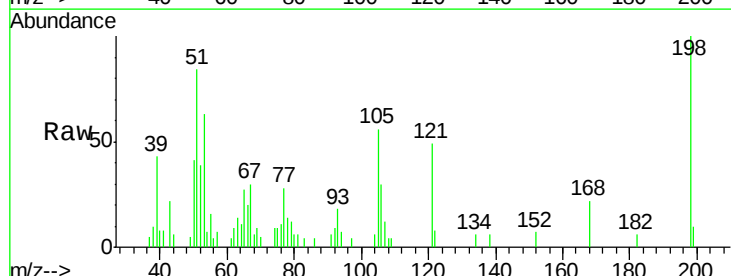


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

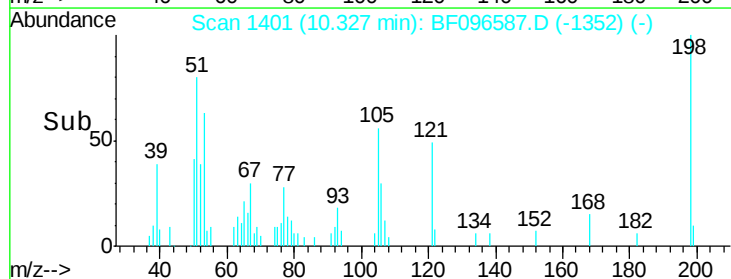
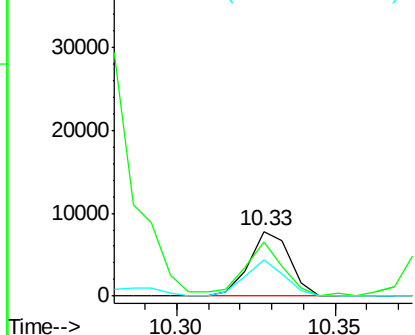


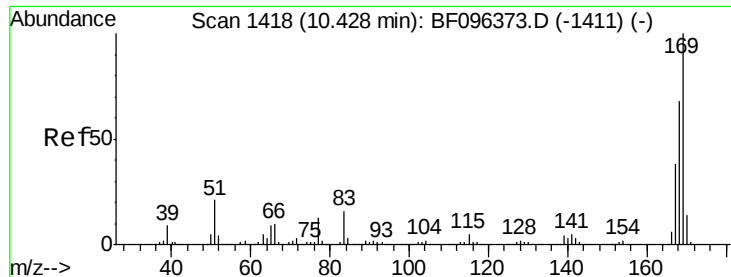
#64  
4,6-Dinitro-2-methylphenol  
Concen: 4.76 ng  
RT: 10.33 min Scan# 1401  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Tgt Ion:198 Resp: 6935  
Ion Ratio Lower Upper  
198 100  
51 84.3 53.2 93.2  
105 56.2 45.8 85.8



Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 105.00 (104.70 to 105.70): E

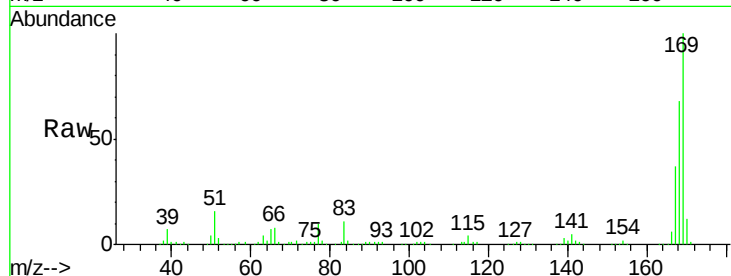




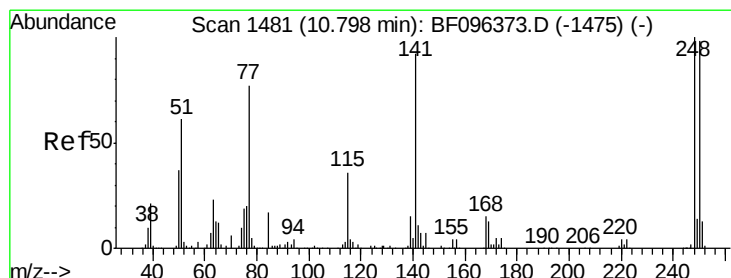
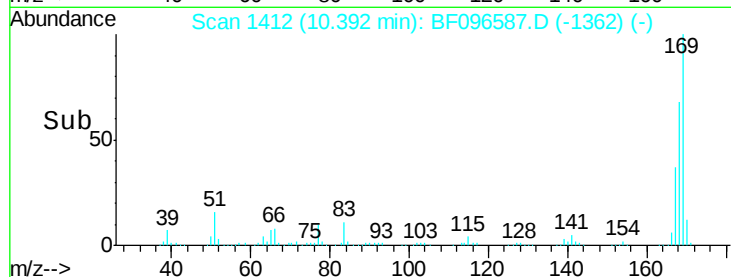
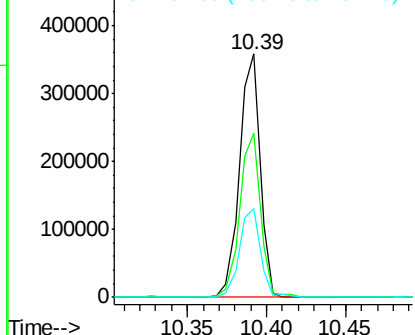
#65  
 n-Nitrosodiphenylamine  
 Concen: 43.60 ng  
 RT: 10.39 min Scan# 1412  
 Delta R.T. -0.01 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:169 Resp: 323063  
 Ion Ratio Lower Upper  
 169 100  
 168 67.5 53.2 79.8  
 167 36.6 29.5 44.3

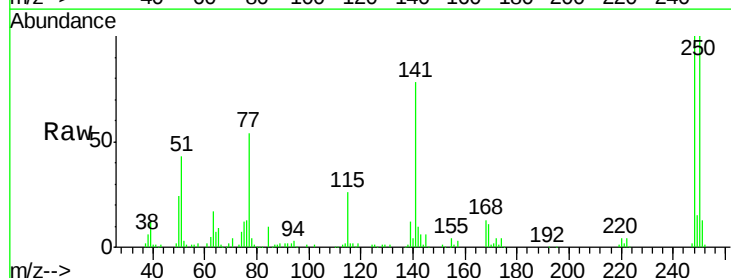


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

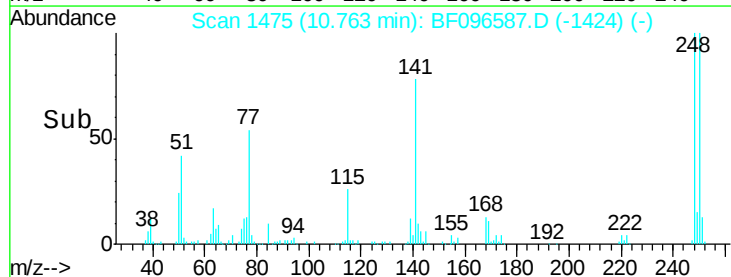
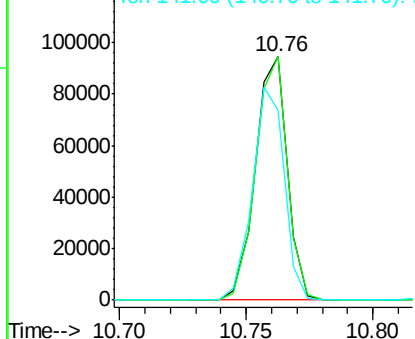


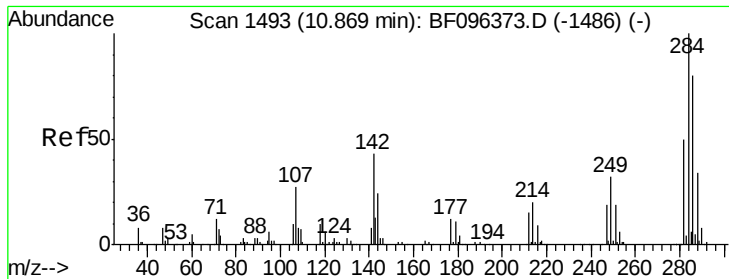
#66  
 4-Bromophenyl-phenylether  
 Concen: 40.46 ng  
 RT: 10.76 min Scan# 1475  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Tgt Ion:248 Resp: 83160  
 Ion Ratio Lower Upper  
 248 100  
 250 99.8 76.8 115.2  
 141 77.8 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

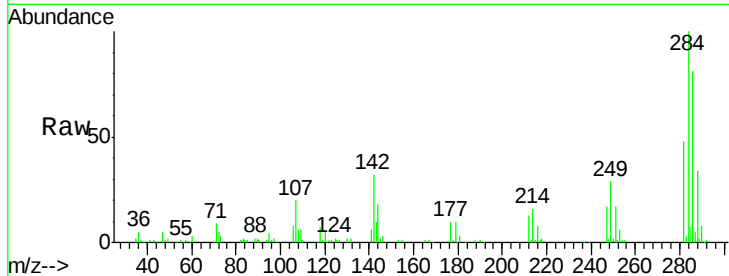




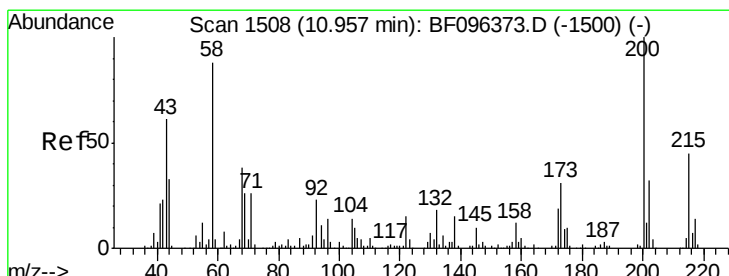
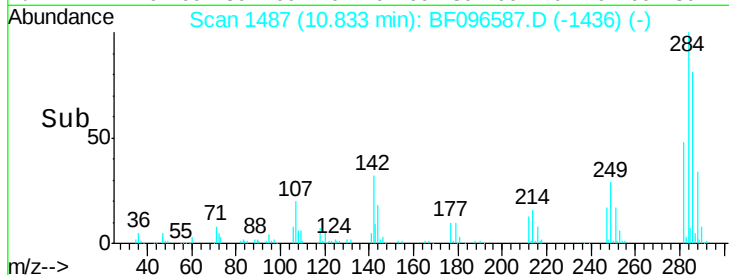
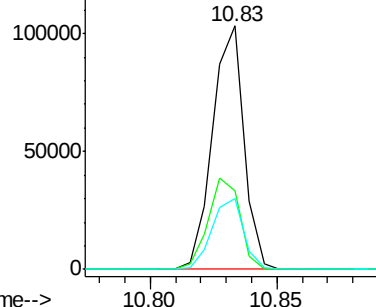
#67  
Hexachlorobenzene  
Concen: 39.43 ng  
RT: 10.83 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:284 Resp: 88726  
Ion Ratio Lower Upper  
284 100  
142 32.3 22.8 34.2  
249 28.9 24.0 36.0

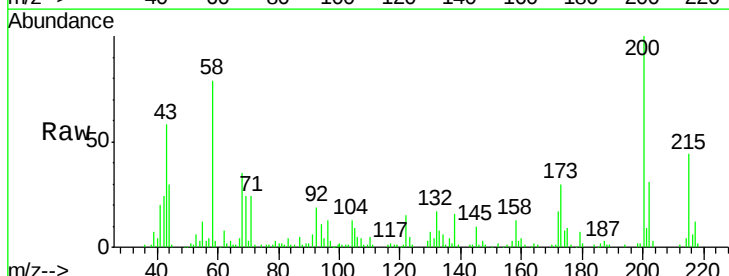


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

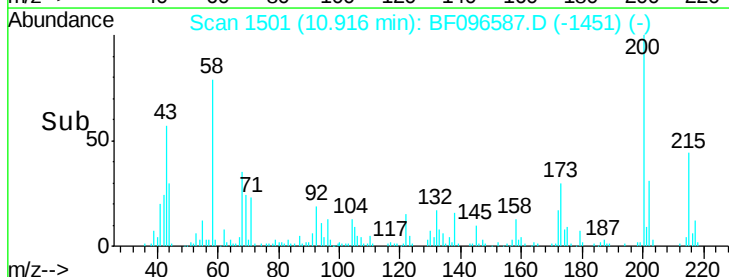
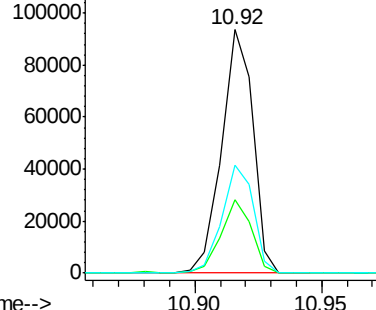


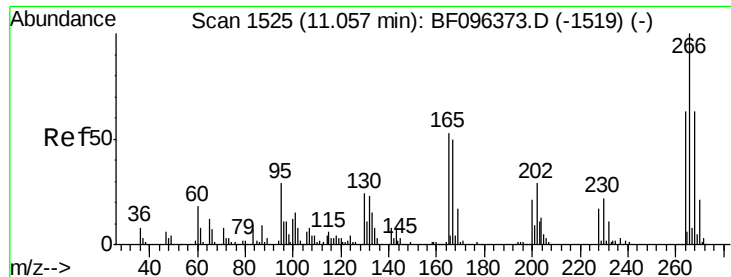
#68  
Atrazine  
Concen: 38.21 ng  
RT: 10.92 min Scan# 1501  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Tgt Ion:200 Resp: 80876  
Ion Ratio Lower Upper  
200 100  
173 30.3 6.3 46.3  
215 44.1 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

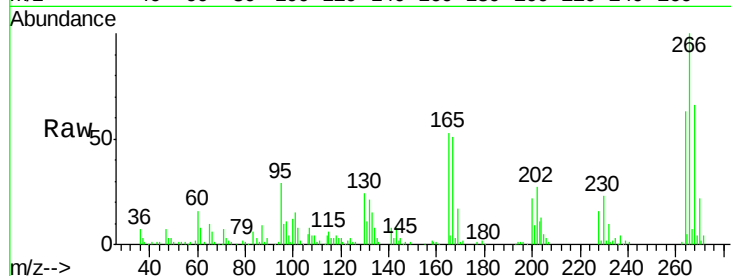




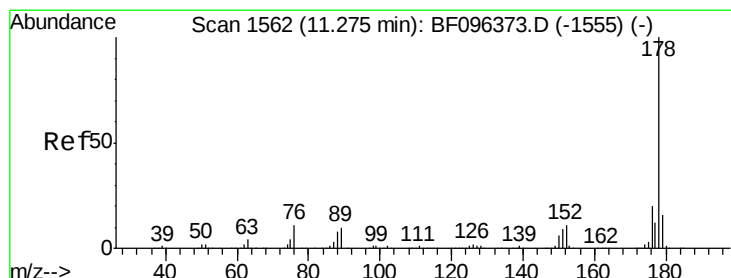
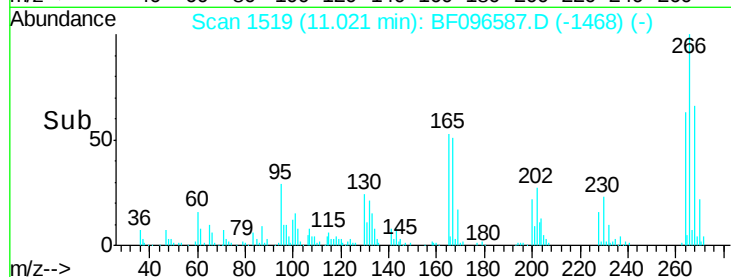
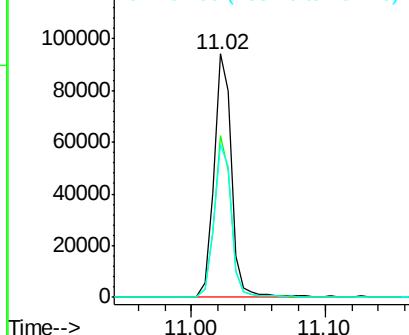
#69  
 Pentachlorophenol  
 Concen: 65.61 ng  
 RT: 11.02 min Scan# 1519  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:266 Resp: 87505  
 Ion Ratio Lower Upper  
 266 100  
 268 66.2 51.1 76.7  
 264 62.9 51.7 77.5

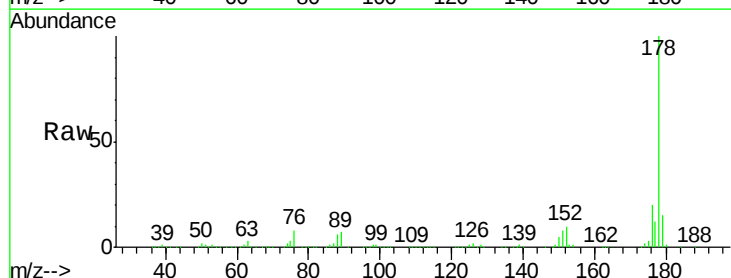


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

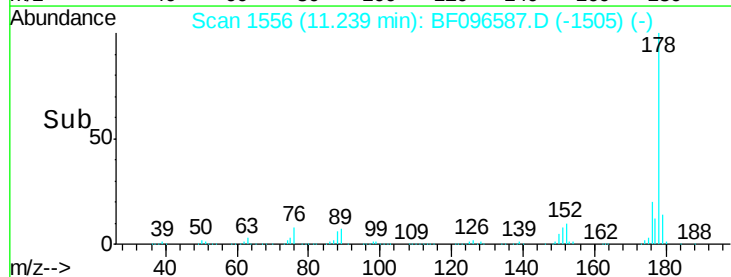
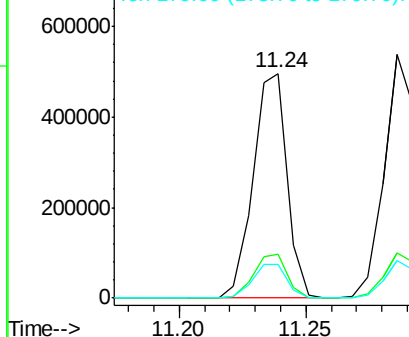


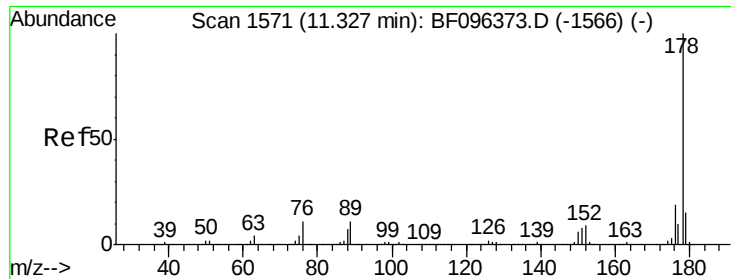
#70  
 Phenanthrene  
 Concen: 40.34 ng  
 RT: 11.24 min Scan# 1556  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Tgt Ion:178 Resp: 460525  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 16.2 24.4  
 179 14.8 12.6 19.0



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

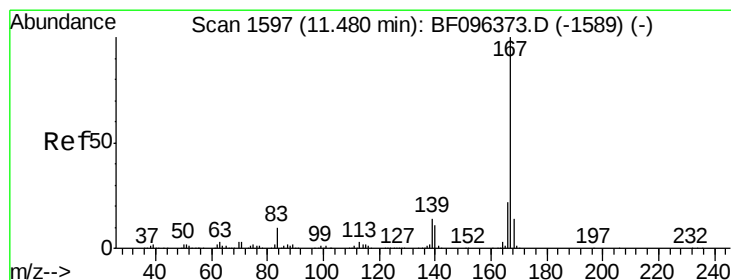
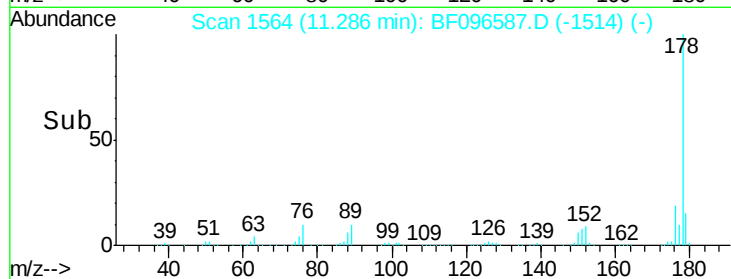
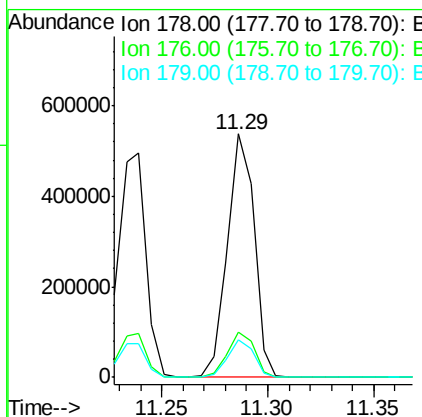
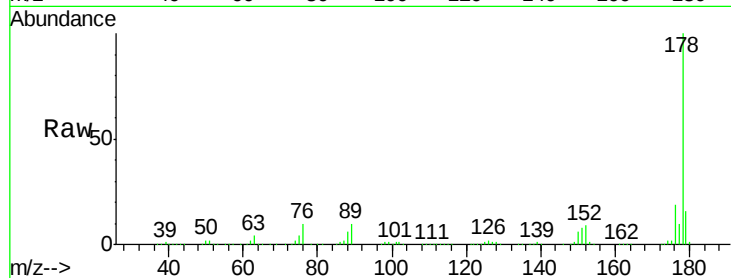




#71  
 Anthracene  
 Concen: 40.47 ng  
 RT: 11.29 min Scan# 1564  
 Delta R.T. -0.01 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

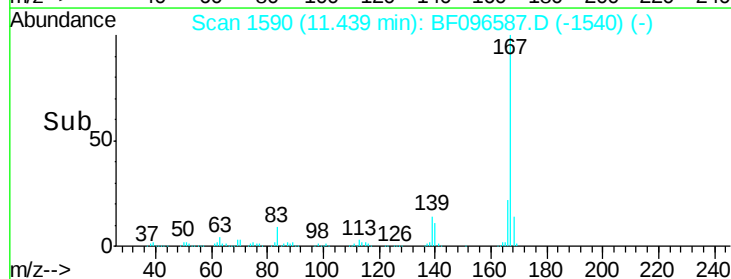
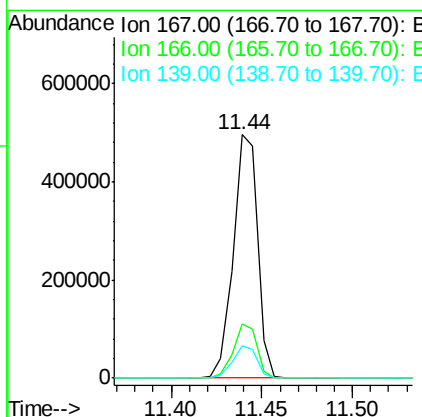
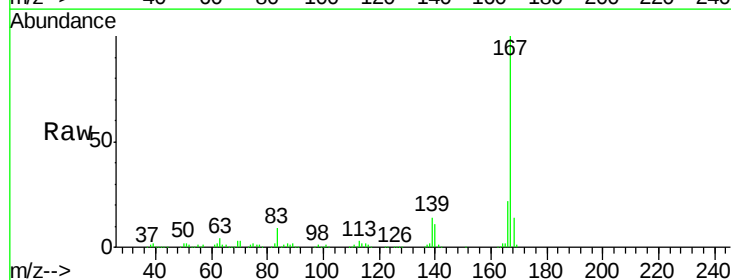
Instrument :  
 BNA\_F  
 ClientSampleId :

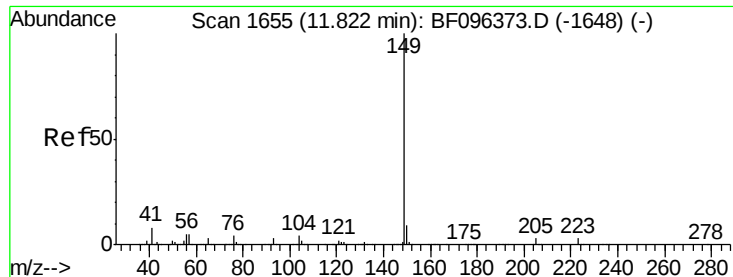
Tot Ion:178 Resp: 470702  
 Ion Ratio Lower Upper  
 178 100  
 176 18.7 15.8 23.8  
 179 15.5 12.7 19.1



#72  
 Carbazole  
 Concen: 39.70 ng  
 RT: 11.44 min Scan# 1590  
 Delta R.T. -0.01 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Tgt Ion:167 Resp: 464421  
 Ion Ratio Lower Upper  
 167 100  
 166 22.3 18.1 27.1  
 139 13.6 11.7 17.5





#73

Di-n-butylphthalate

Concen: 39.59 ng

RT: 11.78 min Scan# 1648

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

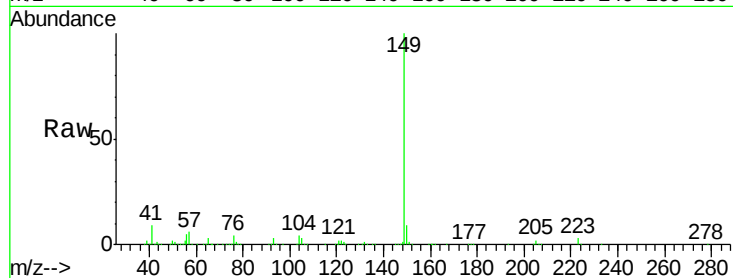
Tot Ion:149 Resp: 560904

Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

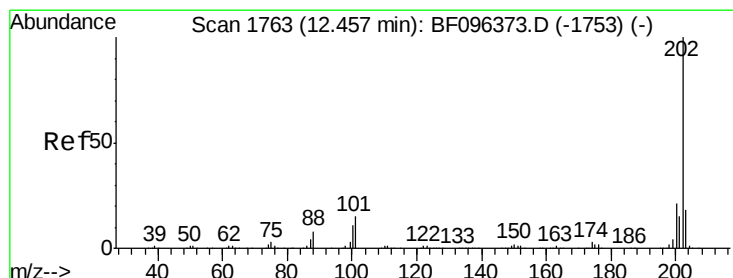
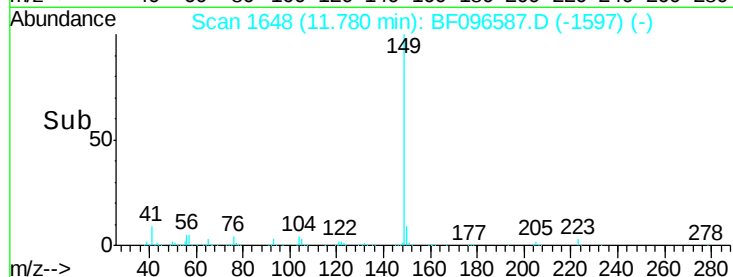
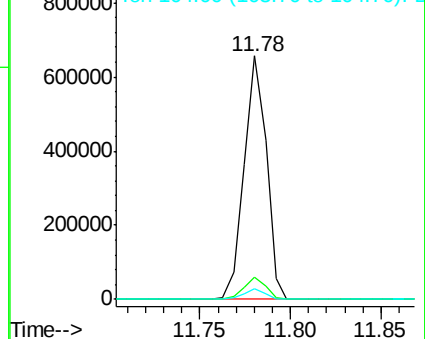
104 4.2 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 42.88 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

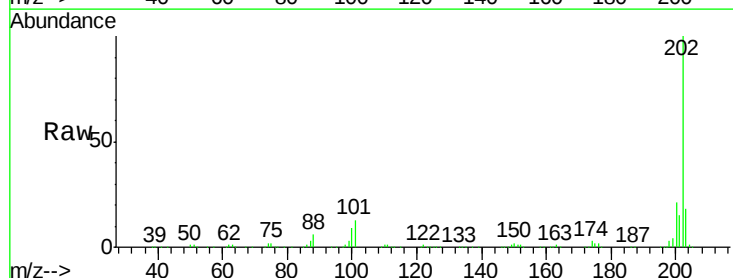
Tgt Ion:202 Resp: 479867

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

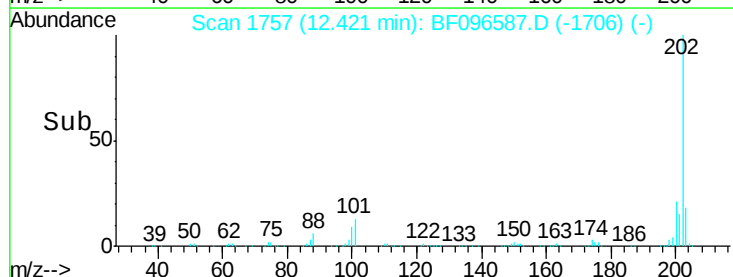
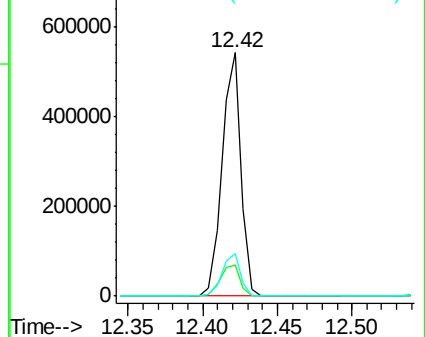
203 17.6 0.0 38.1

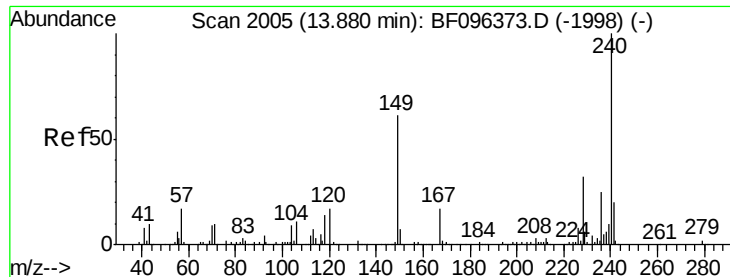


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

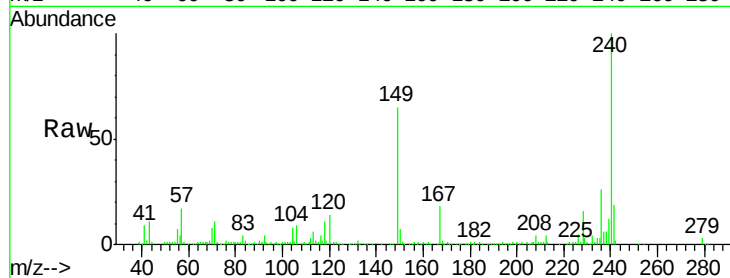
Tot Ion:240 Resp: 166330

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

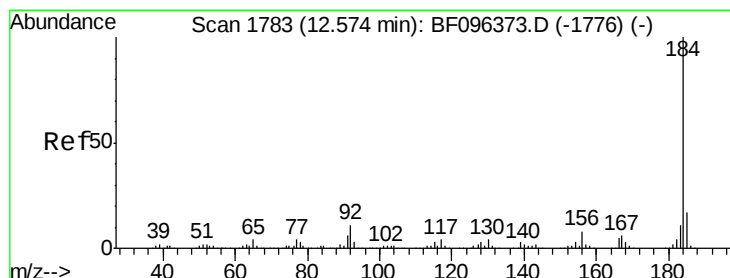
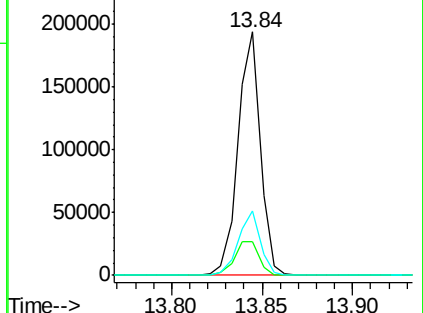
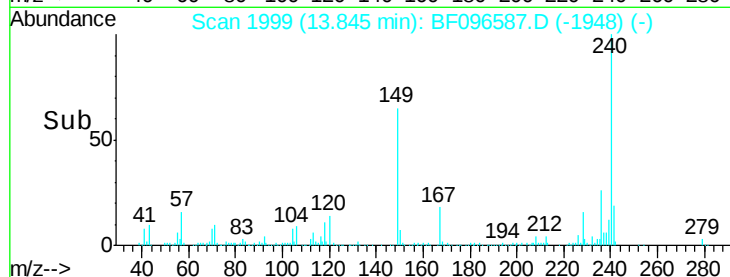
236 26.3 20.5 30.7



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: 49.70 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

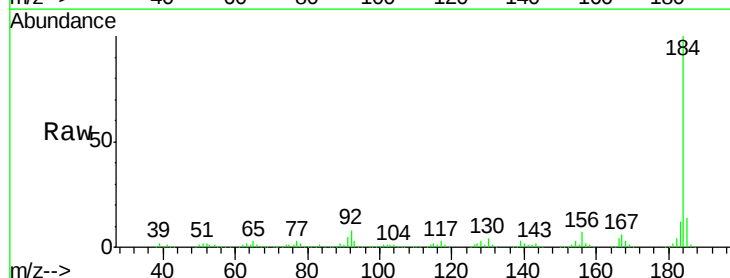
Tgt Ion:184 Resp: 396658

Ion Ratio Lower Upper

184 100

185 14.3 15.5 23.3#

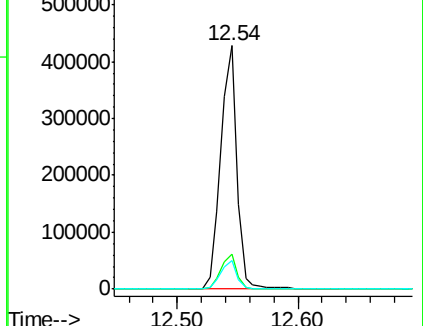
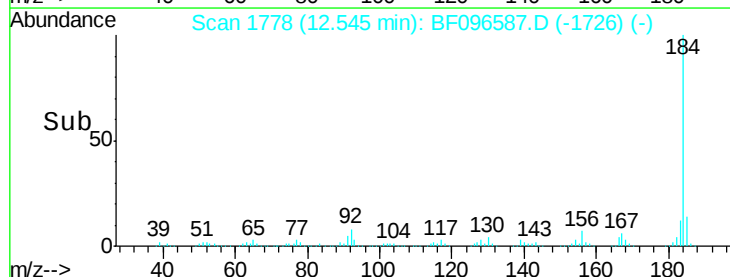
183 12.0 9.8 14.6

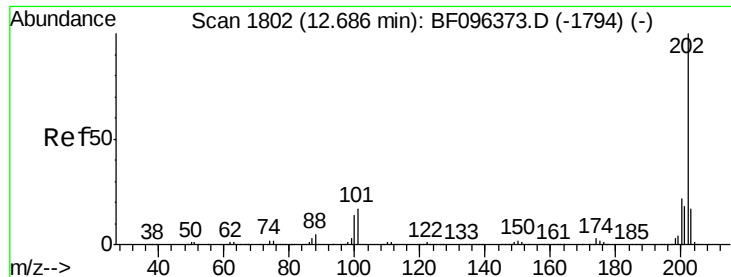


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

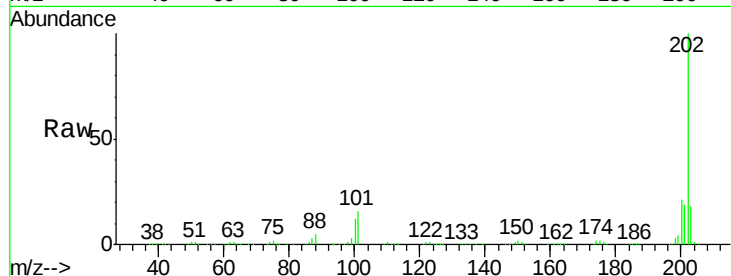




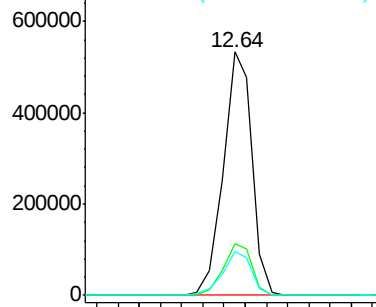
#77  
Pvrene  
Concen: 37.59 ng  
RT: 12.64 min Scan# 1795  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Instrument :  
BNA\_F  
ClientSampleId :

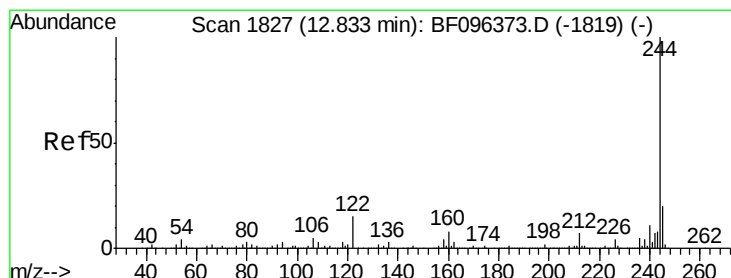
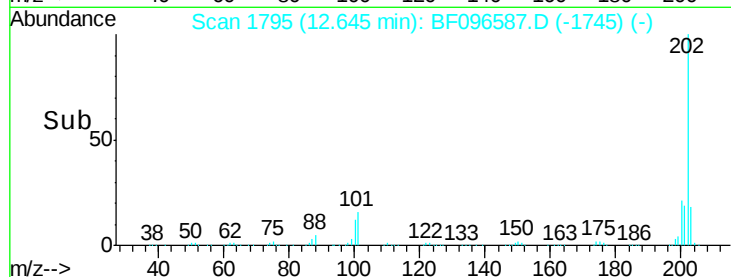
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.2  | 17.6  | 26.4  |
| 203     | 17.9  | 14.4  | 21.6  |



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

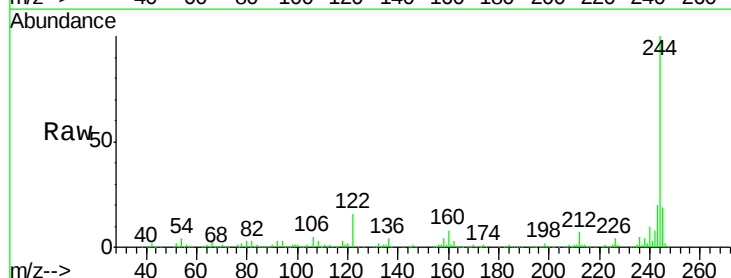


Time-->

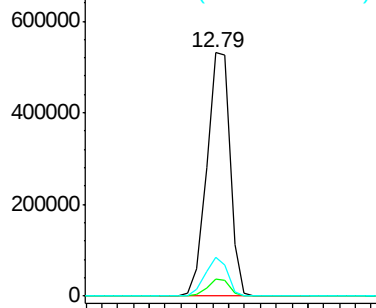


#78  
Terphenyl-d14  
Concen: 69.07 ng  
RT: 12.79 min Scan# 1820  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

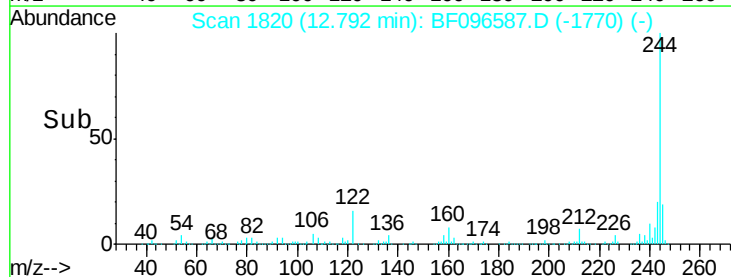
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 6.0   | 9.0   |
| 122     | 16.1  | 10.3  | 15.5  |

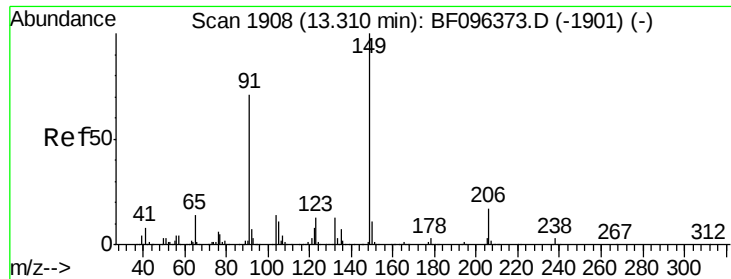


Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



Time-->

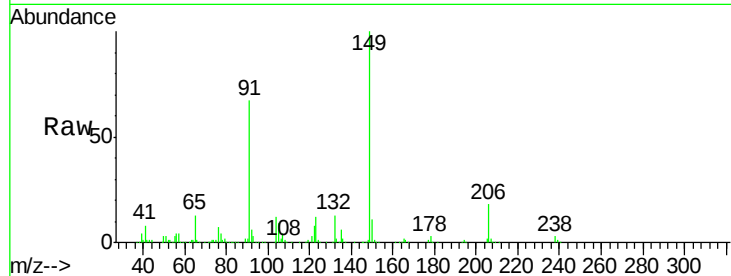




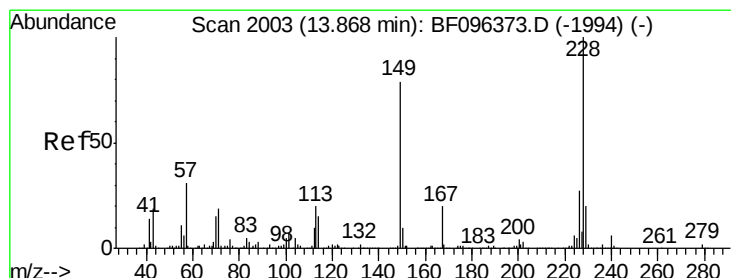
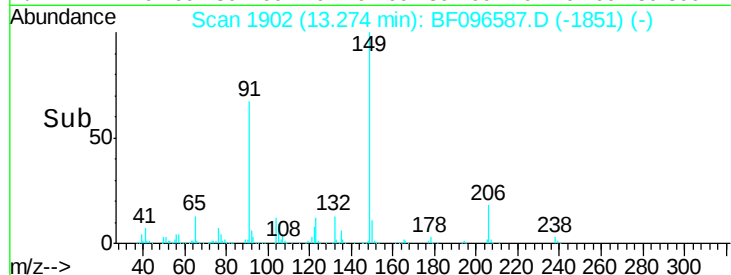
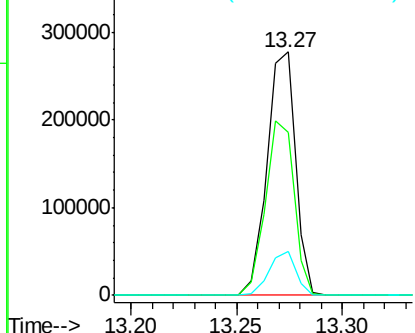
#79  
Butylbenzylphthalate  
Concen: 38.85 ng  
RT: 13.27 min Scan# 1902  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 66.9  | 45.0  | 67.4  |
| 206     | 18.0  | 17.0  | 25.6  |

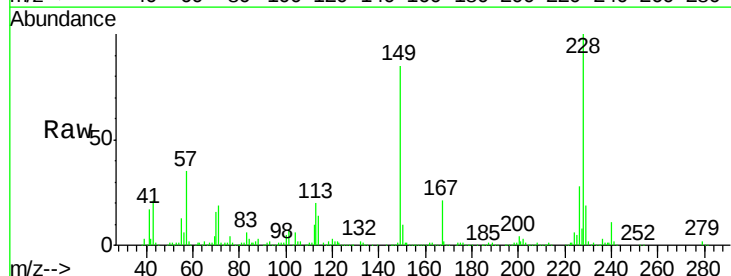


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

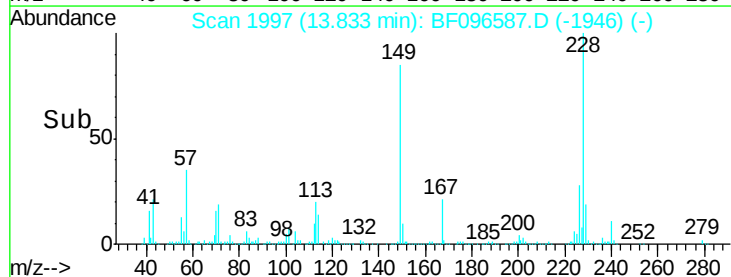
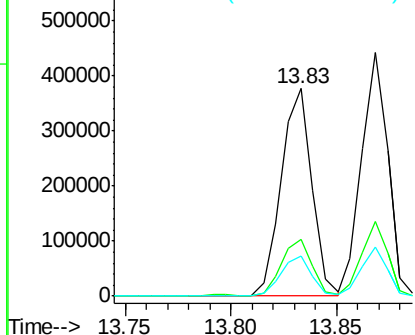


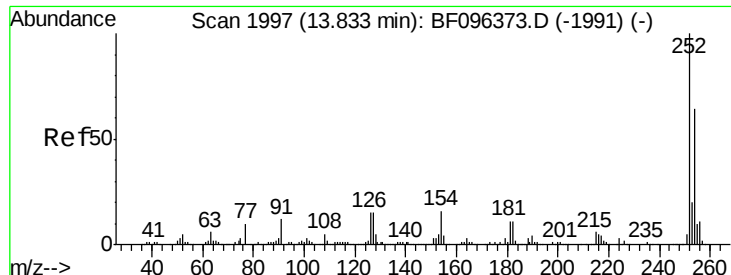
#80  
Benzo(a)anthracene  
Concen: 39.64 ng  
RT: 13.83 min Scan# 1997  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.6  | 22.6  | 33.8  |
| 229     | 19.4  | 16.3  | 24.5  |



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

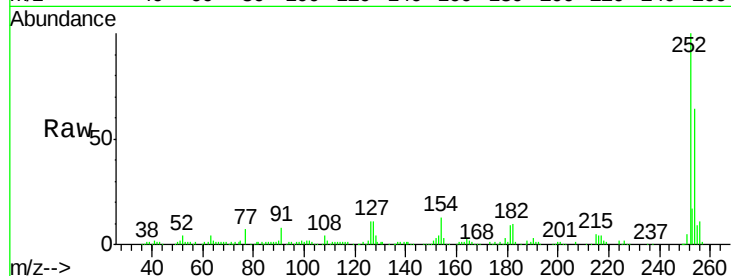




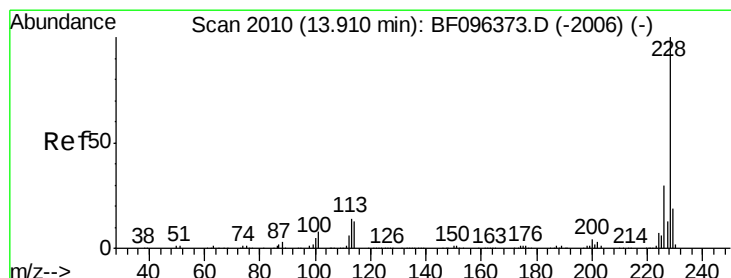
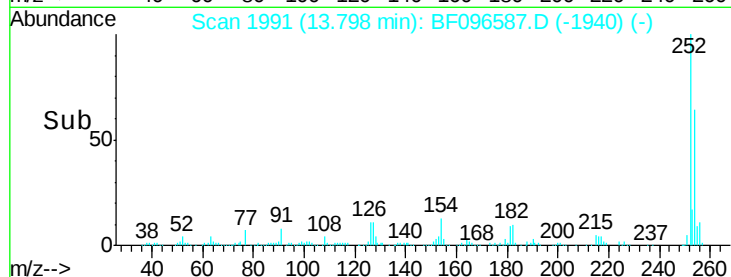
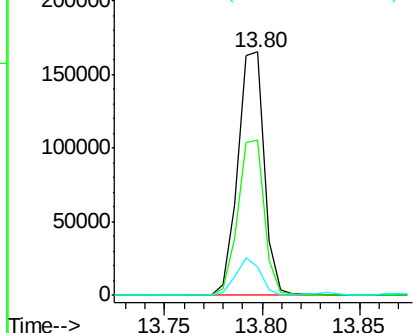
#81  
 3,3'-Dichlorobenzidine  
 Concen: 39.39 ng  
 RT: 13.80 min Scan# 1991  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:252 Resp: 155848  
 Ion Ratio Lower Upper  
 252 100  
 254 64.0 51.5 77.3  
 126 11.5 15.8 23.8#

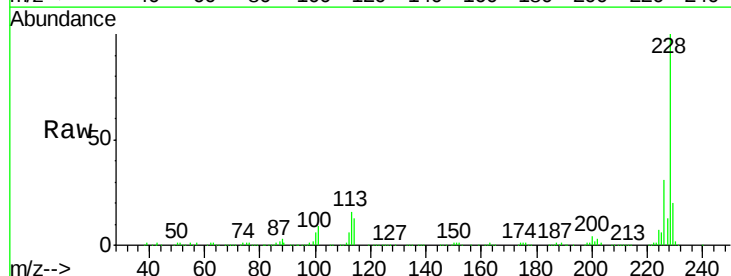


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

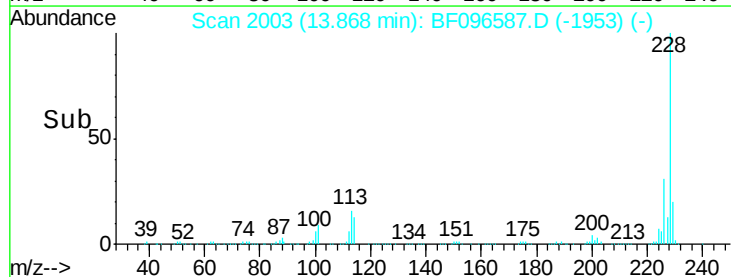
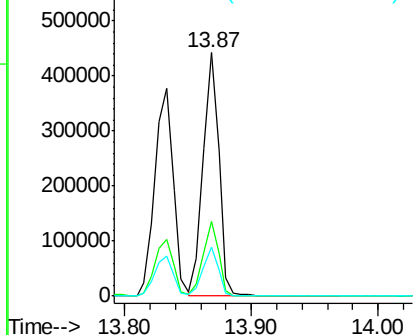


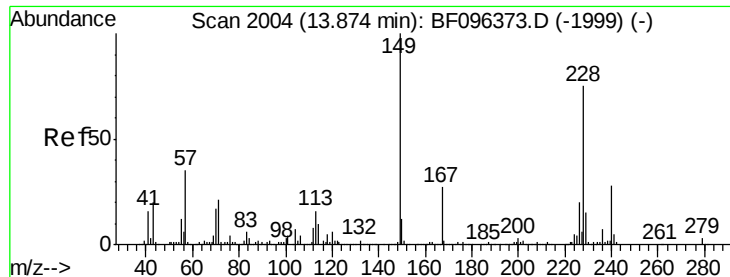
#82  
 Chrysene  
 Concen: 38.18 ng  
 RT: 13.87 min Scan# 2003  
 Delta R.T. -0.01 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Tgt Ion:228 Resp: 385132  
 Ion Ratio Lower Upper  
 228 100  
 226 30.6 24.9 37.3  
 229 20.1 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

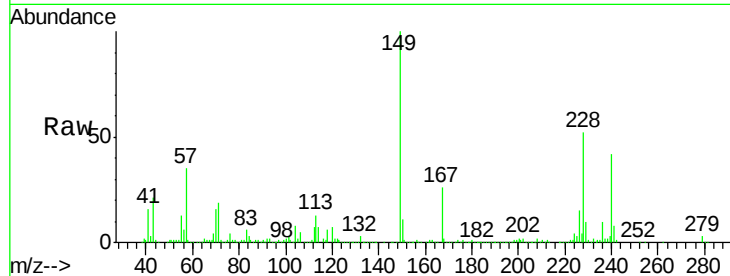




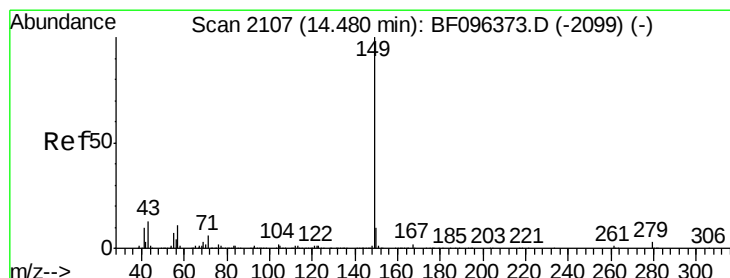
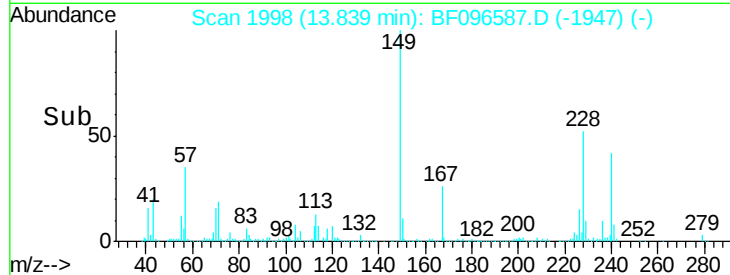
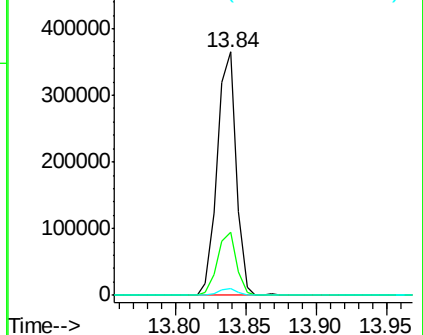
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 45.60 ng  
 RT: 13.84 min Scan# 1998  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:149 Resp: 344014  
 Ion Ratio Lower Upper  
 149 100  
 167 26.0 21.0 31.4  
 279 2.9 1.9 2.9#

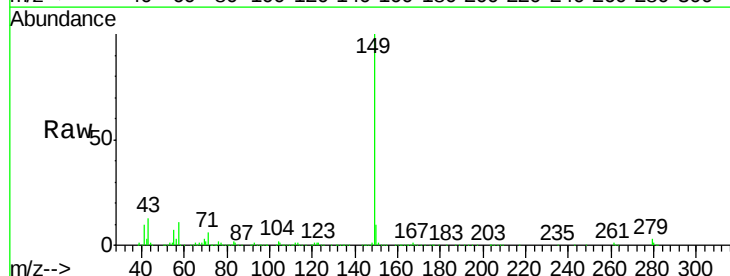


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

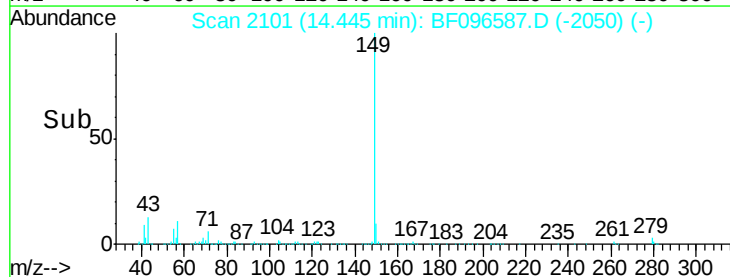
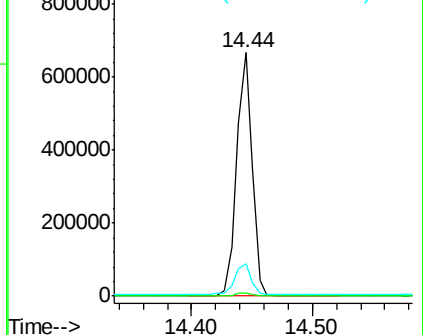


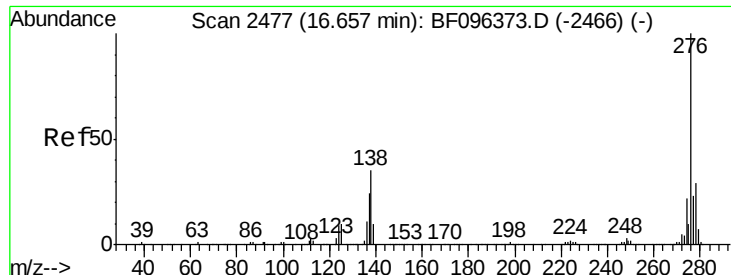
#84  
 Di-n-octyl phthalate  
 Concen: 40.08 ng  
 RT: 14.44 min Scan# 2101  
 Delta R.T. -0.00 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Tgt Ion:149 Resp: 595471  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.2 1.8  
 43 13.6 8.5 12.7#



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BF0

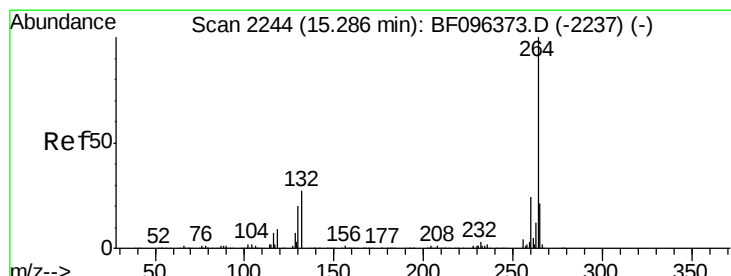
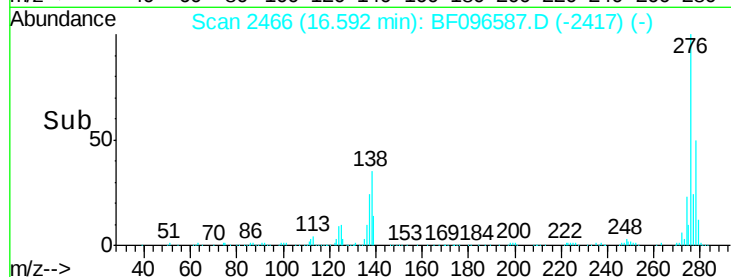
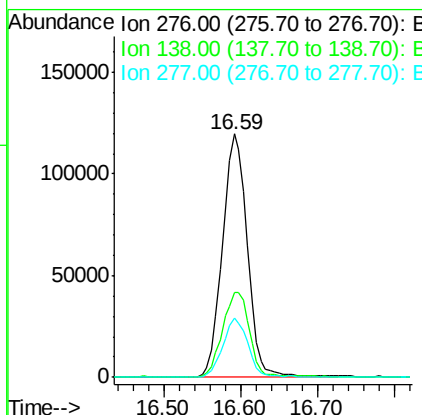
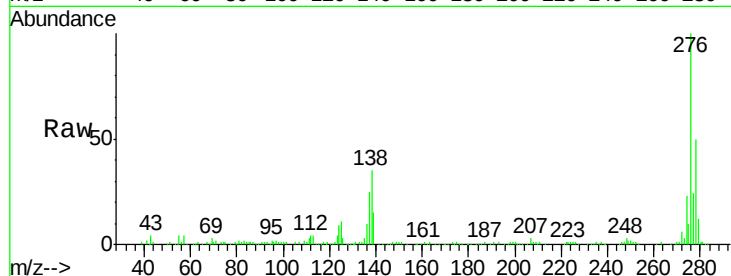




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 33.99 ng  
 RT: 16.59 min Scan# 2466  
 Delta R.T. -0.01 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

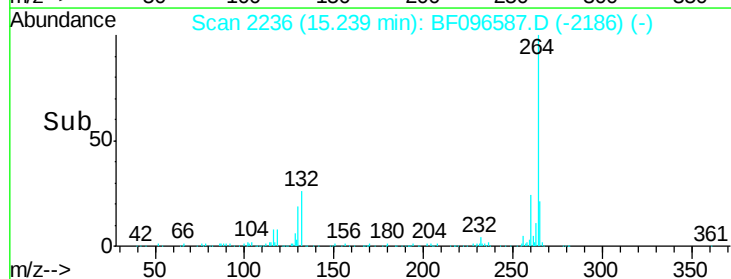
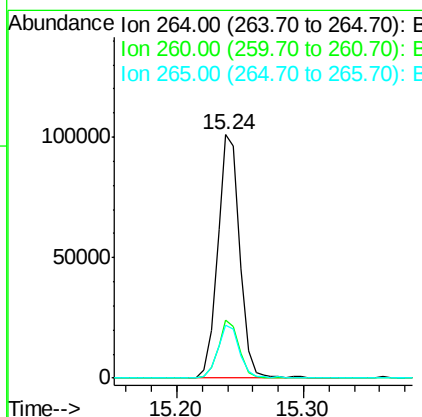
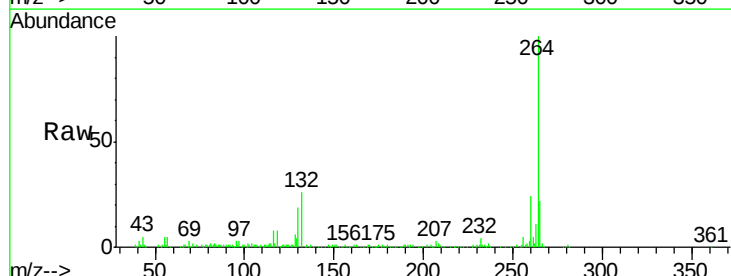
Instrument :  
 BNA\_F  
 ClientSampleId :

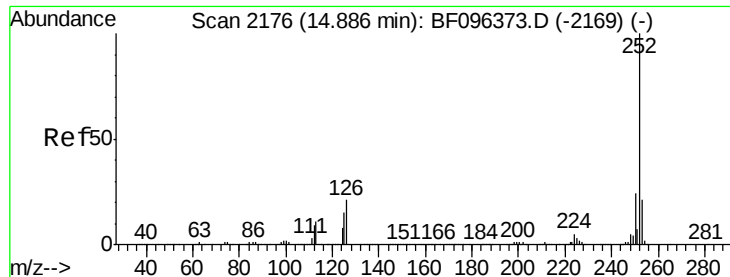
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 37.6  | 27.8  | 41.6  |
| 277     | 24.7  | 20.2  | 30.4  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.24 min Scan# 2236  
 Delta R.T. -0.01 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.5  | 29.3  |
| 265     | 21.6  | 17.2  | 25.8  |

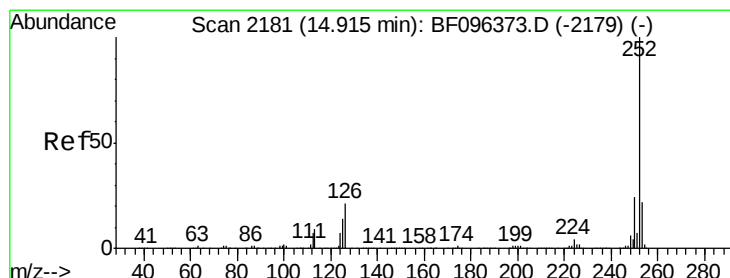
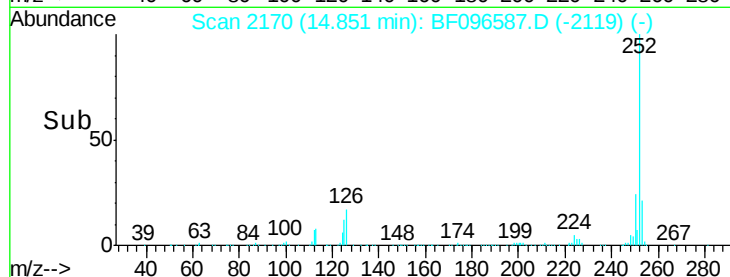
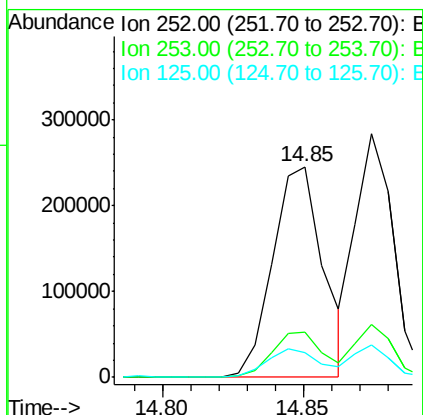
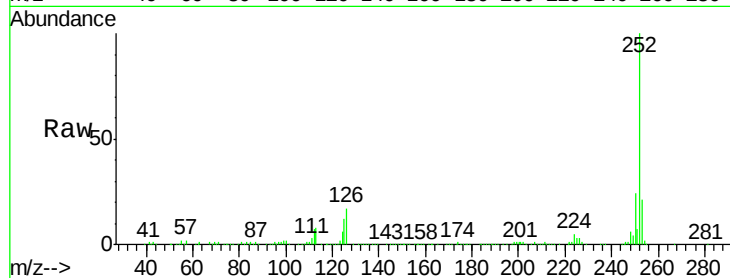




#87  
Benzo(b)fluoranthene  
Concen: 39.83 ng  
RT: 14.85 min Scan# 2170  
Delta R.T. -0.00 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

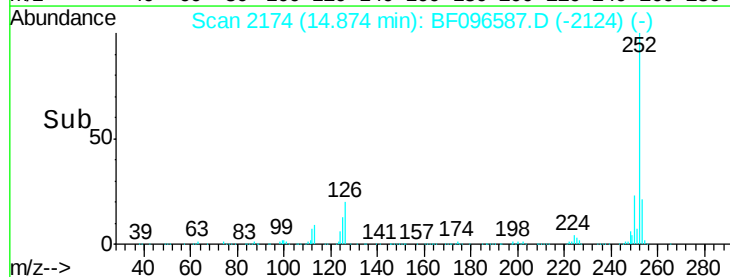
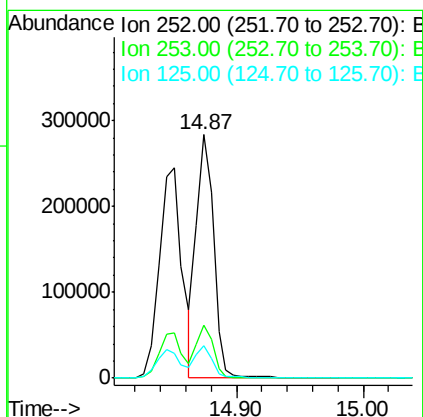
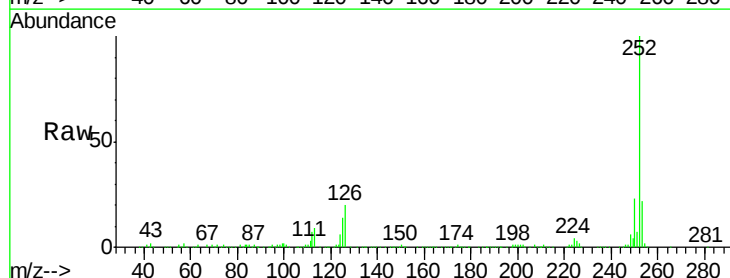
Instrument :  
BNA\_F  
ClientSampleId :

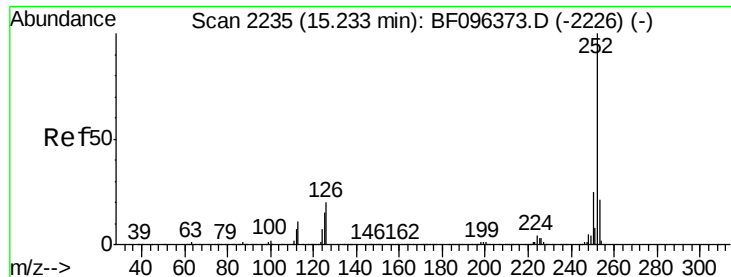
Tot Ion:252 Resp: 305496  
Ion Ratio Lower Upper  
252 100  
253 21.3 18.1 27.1  
125 11.9 9.8 14.8



#88  
Benzo(k)fluoranthene  
Concen: 38.78 ng  
RT: 14.87 min Scan# 2174  
Delta R.T. -0.01 min  
Lab File: BF096587.D  
Acq: 8 Jul 2017 4:19

Tgt Ion:252 Resp: 266046  
Ion Ratio Lower Upper  
252 100  
253 21.6 18.4 27.6  
125 13.5 13.1 19.7





#89

Benzo(a)pyrene

Concen: 40.69 ng

RT: 15.19 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

Instrument :

BNA\_F

ClientSampleId :

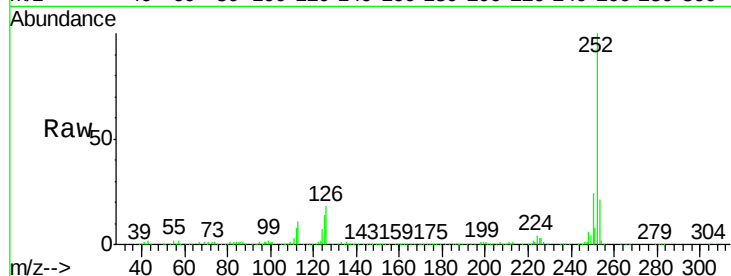
Tot Ion:252 Resp: 278604

Ion Ratio Lower Upper

252 100

253 21.2 17.5 26.3

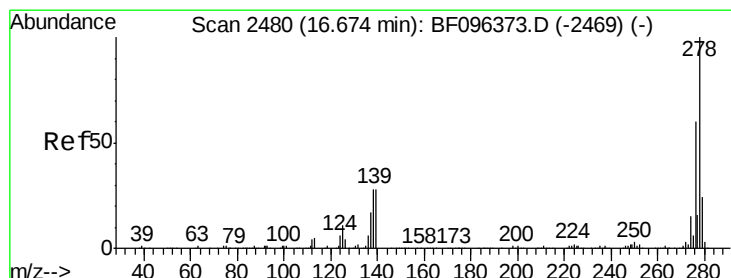
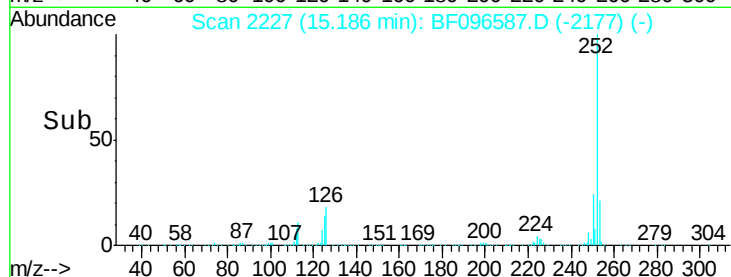
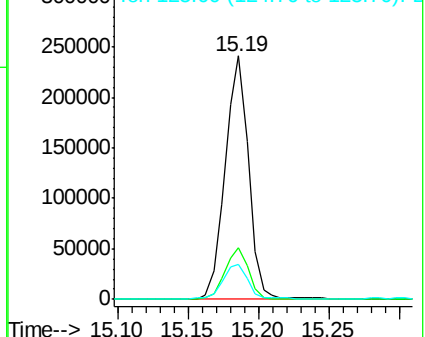
125 14.4 11.0 16.4



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: 41.77 ng

RT: 16.61 min Scan# 2469

Delta R.T. -0.01 min

Lab File: BF096587.D

Acq: 8 Jul 2017 4:19

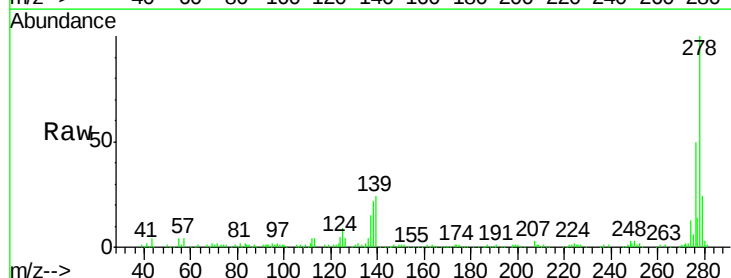
Tgt Ion:278 Resp: 225031

Ion Ratio Lower Upper

278 100

139 24.1 16.6 24.8

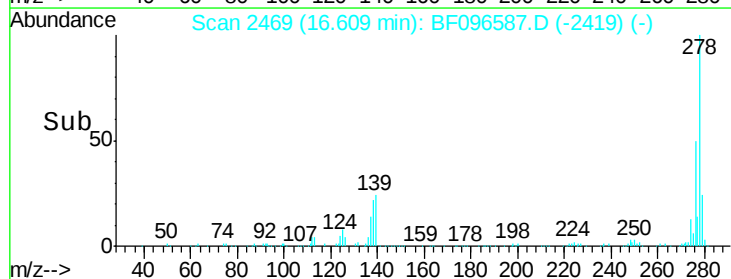
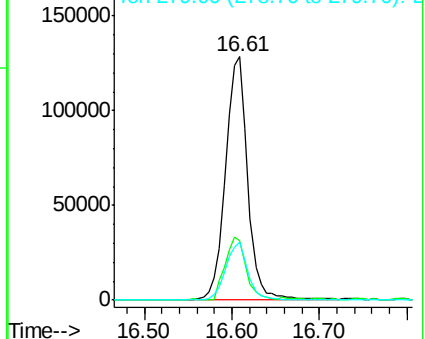
279 23.7 19.3 28.9

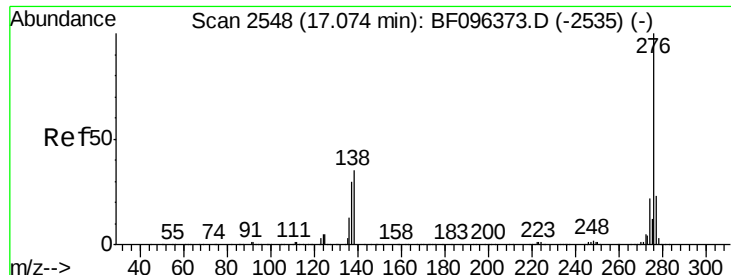


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

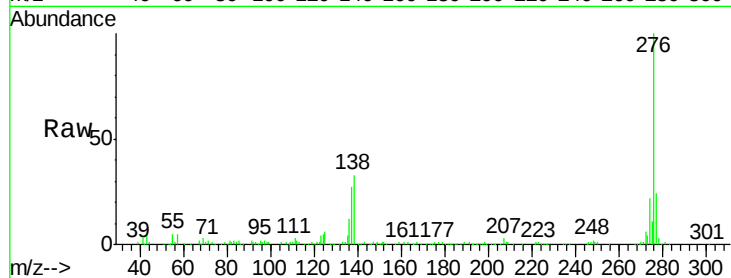




#91  
 Benzo(a,h,i)perylene  
 Concen: 38.60 ng  
 RT: 17.00 min Scan# 2535  
 Delta R.T. -0.01 min  
 Lab File: BF096587.D  
 Acq: 8 Jul 2017 4:19

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.4  | 18.6  | 28.0  |
| 138     | 33.1  | 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

