

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\  
 Data File : BF097478.D  
 Acq On : 8 Aug 2017 19:48  
 Operator : SJ/JU  
 Sample : IPB101311BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 09 00:58:50 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 07 16:02:51 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.40  | 152  | 107898   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.69  | 136  | 422110   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.43  | 164  | 204817   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 10.91 | 188  | 339159   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.53 | 240  | 209584   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 14.87 | 264  | 218028   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.02  | 112 | 932754  | 130.32 | ng | 0.01 |
| 7) Phenol-d6                | 6.09  | 99  | 1028950 | 125.93 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 6.99  | 82  | 644898  | 89.63  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.23 | 330 | 197510  | 122.05 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 8.77  | 172 | 995200  | 82.46  | ng | 0.00 |
| 78) Terphenyl-d14           | 12.49 | 244 | 824661  | 80.22  | ng | 0.00 |

|                                |      |     |        |       |    |        |
|--------------------------------|------|-----|--------|-------|----|--------|
| Target Compounds               |      |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 1.99 | 88  | 111868 | 37.45 | ng | # 67   |
| 3) Pyridine                    | 2.57 | 79  | 330221 | 36.10 | ng | # 58   |
| 4) n-Nitrosodimethylamine      | 2.54 | 42  | 215164 | 42.46 | ng | # 78   |
| 6) Aniline                     | 6.07 | 93  | 239626 | 23.30 | ng | # 81   |
| 8) 2-Chlorophenol              | 6.20 | 128 | 320335 | 41.86 | ng | 93     |
| 9) Benzaldehyde                | 5.95 | 77  | 155262 | 32.10 | ng | 94     |
| 10) Phenol                     | 6.10 | 94  | 402815 | 41.56 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 6.16 | 93  | 320353 | 41.79 | ng | 91     |
| 12) 1,3-Dichlorobenzene        | 6.35 | 146 | 343482 | 41.65 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.42 | 146 | 355287 | 43.47 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 6.57 | 146 | 292916 | 41.04 | ng | 99     |
| 15) Benzyl Alcohol             | 6.57 | 79  | 263511 | 50.94 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.70 | 45  | 645056 | 41.95 | ng | 61     |
| 17) 2-Methylphenol             | 6.70 | 107 | 261033 | 44.19 | ng | # 88   |
| 18) Hexachloroethane           | 6.91 | 117 | 125098 | 41.83 | ng | # 81   |
| 19) n-Nitroso-di-n-propylamine | 6.85 | 70  | 231130 | 42.97 | ng | # 81   |
| 20) 3+4-Methylphenols          | 6.86 | 107 | 360507 | 46.73 | ng | # 64   |
| 22) Acetophenone               | 6.83 | 105 | 448112 | 44.21 | ng | 97     |
| 24) Nitrobenzene               | 7.00 | 77  | 338330 | 45.15 | ng | # 96   |
| 25) Isophorone                 | 7.25 | 82  | 553079 | 39.25 | ng | 97     |
| 26) 2-Nitrophenol              | 7.32 | 139 | 169897 | 41.91 | ng | # 86   |
| 27) 2,4-Dimethylphenol         | 7.38 | 122 | 276961 | 41.41 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.46 | 93  | 368942 | 40.12 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 7.57 | 162 | 253273 | 43.96 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.64 | 180 | 230520 | 41.98 | ng | 98     |
| 31) Naphthalene                | 7.71 | 128 | 857065 | 43.07 | ng | 100    |
| 32) Benzoic acid               | 7.56 | 122 | 183780 | 36.80 | ng | 96     |
| 33) 4-Chloroaniline            | 7.78 | 127 | 118644 | 14.65 | ng | 96     |
| 34) Hexachlorobutadiene        | 7.83 | 225 | 120913 | 41.53 | ng | 98     |
| 35) Caprolactam                | 8.17 | 113 | 58356  | 31.59 | ng | # 60   |
| 36) 4-Chloro-3-methylphenol    | 8.29 | 107 | 291092 | 46.31 | ng | 87     |
| 37) 2-Methylnaphthalene        | 8.40 | 142 | 614855 | 48.80 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.57 | 216 | 220191 | 40.29 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 8.56 | 237 | 106869 | 57.91 | ng | 100    |

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 ALS Vial : 4 Sample Multiplier: 1

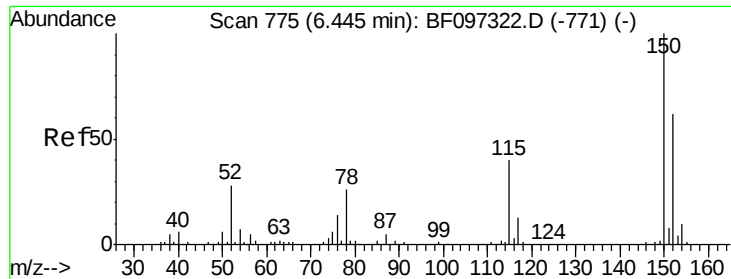
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 09 00:58:50 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 07 16:02:51 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.70  | 196  | 144838   | 36.57  | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 8.75  | 196  | 140379   | 35.41  | nq    | 96       |
| 45) 1,1'-Biphenyl              | 8.87  | 154  | 645133   | 36.88  | nq    | 98       |
| 46) 2-Chloronaphthalene        | 8.89  | 162  | 500127   | 38.85  | nq    | 93       |
| 47) 2-Nitroaniline             | 9.00  | 65   | 199317   | 42.66  | nq    | 95       |
| 48) Acenaphthylene             | 9.30  | 152  | 755980   | 38.26  | nq    | 99       |
| 49) Dimethylphthalate          | 9.18  | 163  | 600237   | 38.59  | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.25  | 165  | 126406   | 38.32  | nq    | # 72     |
| 51) Acenaphthene               | 9.47  | 154  | 498109   | 42.79  | nq    | 99       |
| 52) 3-Nitroaniline             | 9.42  | 138  | 84503    | 20.64  | nq    | 91       |
| 53) 2,4-Dinitrophenol          | 9.54  | 184  | 128953   | 85.97  | nq    | # 71     |
| 54) Dibenzofuran               | 9.64  | 168  | 714285   | 46.07  | nq    | 92       |
| 55) 4-Nitrophenol              | 9.64  | 139  | 464743   | 190.86 | nq    | # 36     |
| 56) 2,4-Dinitrotoluene         | 9.66  | 165  | 192235   | 50.69  | nq    | # 78     |
| 57) Fluorene                   | 9.98  | 166  | 515957   | 44.28  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.77  | 232  | 129542   | 47.33  | nq    | 96       |
| 59) Diethylphthalate           | 9.88  | 149  | 616744   | 43.22  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 9.97  | 204  | 210363   | 43.72  | nq    | 99       |
| 61) 4-Nitroaniline             | 10.03 | 138  | 159574   | 41.02  | nq    | 93       |
| 62) Azobenzene                 | 10.14 | 77   | 617800   | 46.67  | nq    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.07 | 198  | 93841    | 44.53  | nq    | 86       |
| 65) n-Nitrosodiphenylamine     | 10.10 | 169  | 498078   | 42.21  | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 10.46 | 248  | 136702   | 40.39  | nq    | 97       |
| 67) Hexachlorobenzene          | 10.53 | 284  | 145954   | 38.45  | nq    | # 93     |
| 68) Atrazine                   | 10.64 | 200  | 143189   | 42.32  | nq    | 92       |
| 69) Pentachlorophenol          | 10.74 | 266  | 100807   | 64.19  | nq    | 97       |
| 70) Phenanthrene               | 10.93 | 178  | 793112   | 43.64  | nq    | 100      |
| 71) Anthracene                 | 10.99 | 178  | 817519   | 43.92  | nq    | 99       |
| 72) Carbazole                  | 11.15 | 167  | 798319   | 43.61  | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.49 | 149  | 944359   | 41.74  | nq    | 99       |
| 74) Fluoranthene               | 12.12 | 202  | 784922   | 44.09  | nq    | 97       |
| 76) Benzidine                  | 12.24 | 184  | 266260   | 34.24  | nq    | # 93     |
| 77) Pyrene                     | 12.34 | 202  | 814670   | 47.48  | nq    | 99       |
| 79) Butylbenzylphthalate       | 12.97 | 149  | 418671   | 47.97  | nq    | # 76     |
| 80) Benzo(a)anthracene         | 13.52 | 228  | 609050   | 44.91  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.49 | 252  | 135951   | 26.58  | nq    | # 96     |
| 82) Chrysene                   | 13.56 | 228  | 619697   | 46.80  | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.53 | 149  | 456162   | 40.03  | nq    | 97       |
| 84) Di-n-octyl phthalate       | 14.14 | 149  | 860389   | 41.14  | nq    | # 93     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.06 | 276  | 468902   | 41.30  | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 14.53 | 252  | 497843   | 37.99  | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 14.82 | 252  | 460894   | 36.90  | nq    | 97       |
| 89) Benzo(a)pyrene             | 14.82 | 252  | 522251   | 43.54  | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.06 | 278  | 389137   | 39.56  | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 16.41 | 276  | 438584   | 42.52  | nq    | 99       |

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

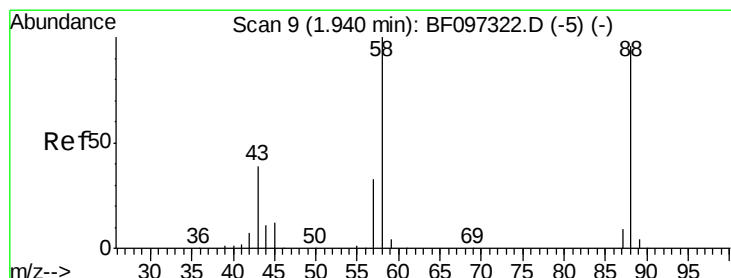
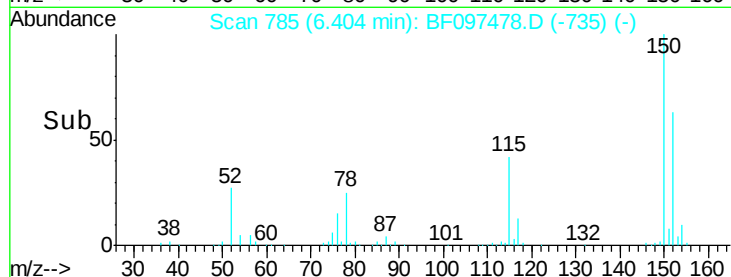
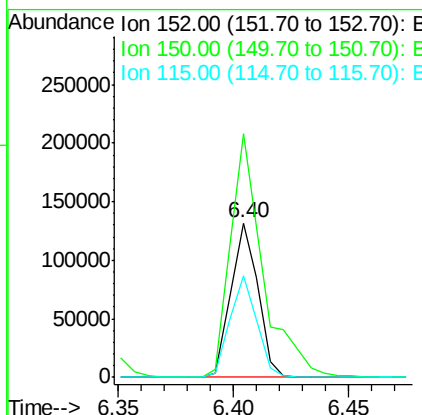
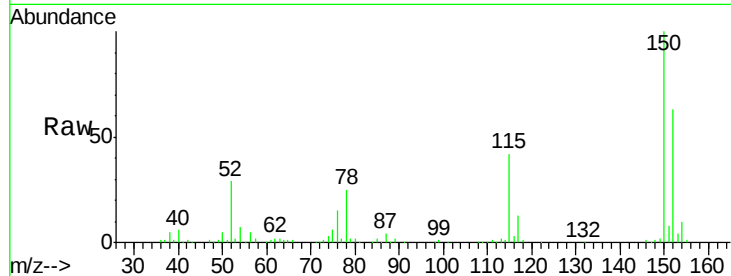




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.40 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

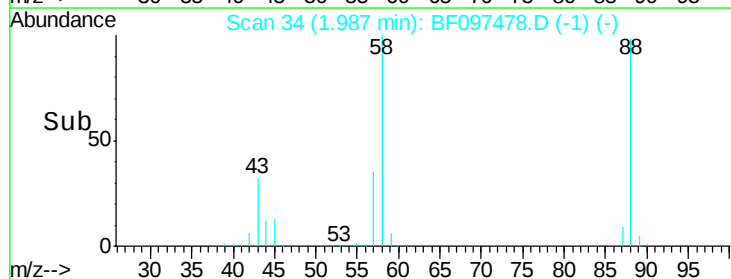
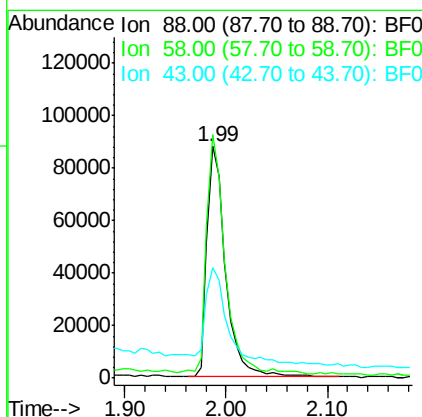
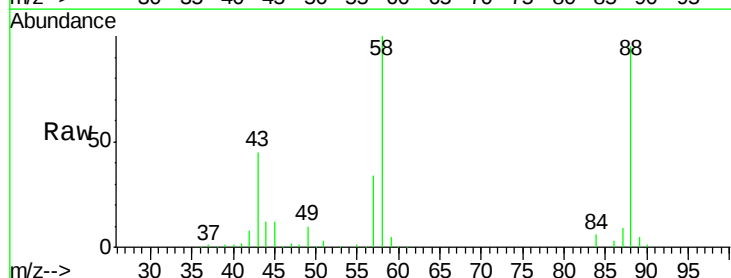
Instrument :  
 BNA\_F  
 ClientSampled :

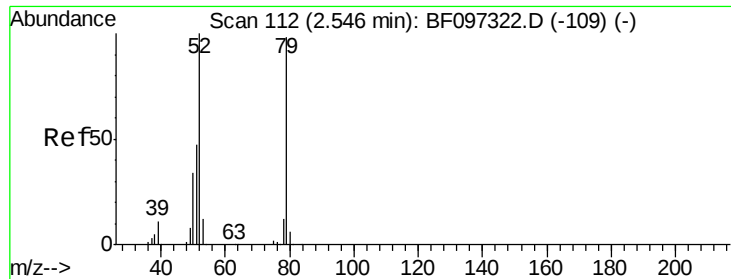
Tot Ion:152 Resp: 107898  
 Ion Ratio Lower Upper  
 152 100  
 150 157.9 126.2 189.2  
 115 66.2 52.2 78.2



#2  
 1,4-Dioxane  
 Concen: 37.45 ng  
 RT: 1.99 min Scan# 34  
 Delta R.T. 0.09 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Tgt Ion: 88 Resp: 111868  
 Ion Ratio Lower Upper  
 88 100  
 58 104.7 61.4 92.0#  
 43 47.2 23.4 35.0#





#3

Pvridine

Concen: 36.10 ng

RT: 2.57 min Scan# 134

Delta R.T. 0.08 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampleId :

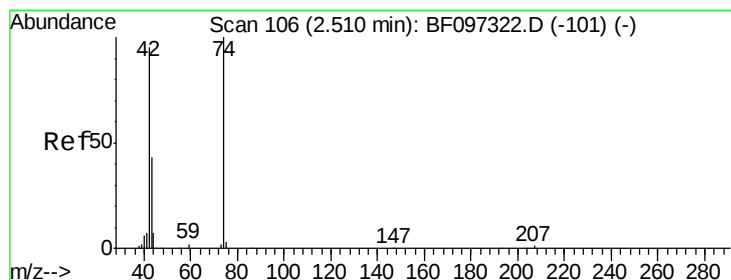
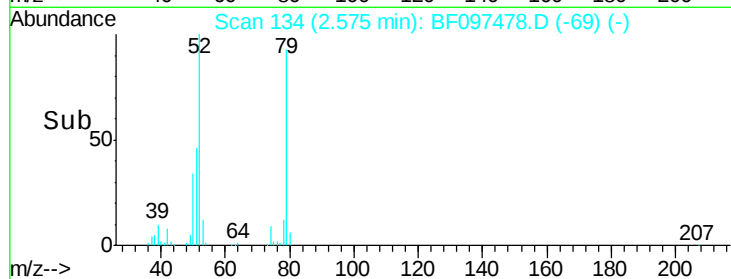
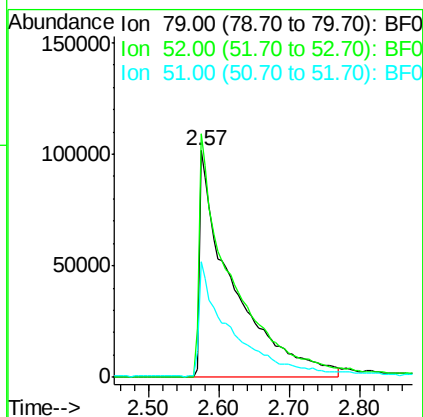
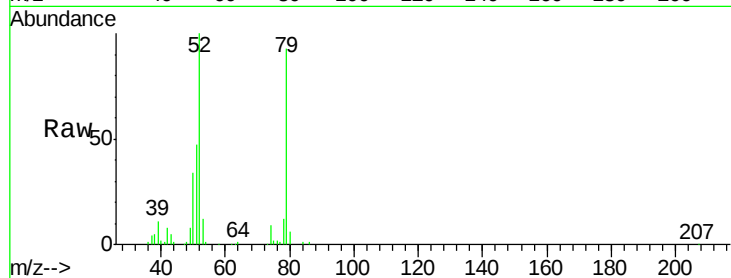
Tot Ion: 79 Resp: 330221

Ion Ratio Lower Upper

79 100

52 107.4 54.8 82.2#

51 50.7 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 42.46 ng

RT: 2.54 min Scan# 128

Delta R.T. 0.08 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

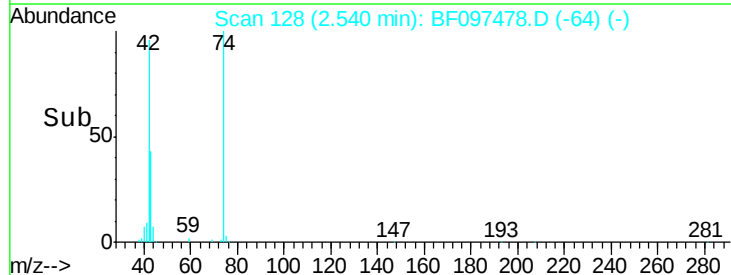
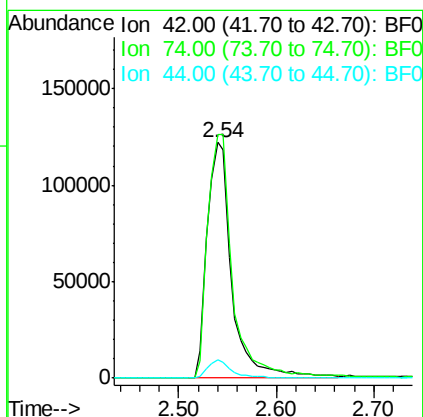
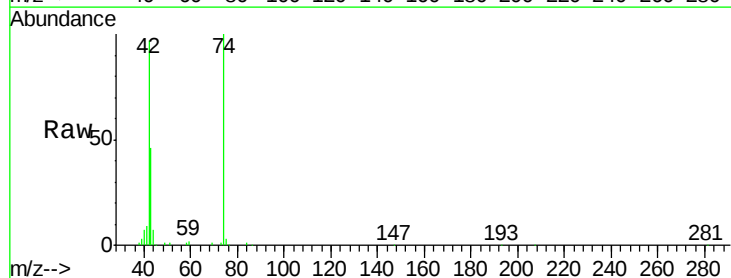
Tgt Ion: 42 Resp: 215164

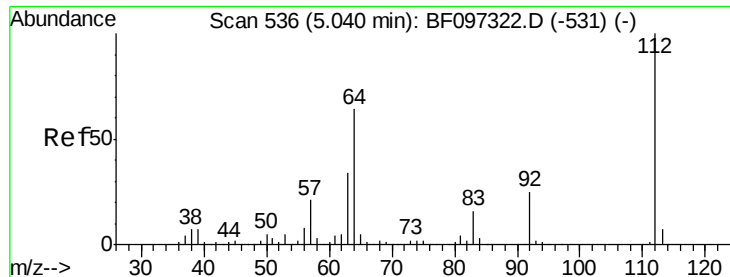
Ion Ratio Lower Upper

42 100

74 103.3 103.9 155.9#

44 7.5 5.7 8.5





#5

2-Fluorophenol

Concen: 130.32 ng

RT: 5.02 min Scan# 549

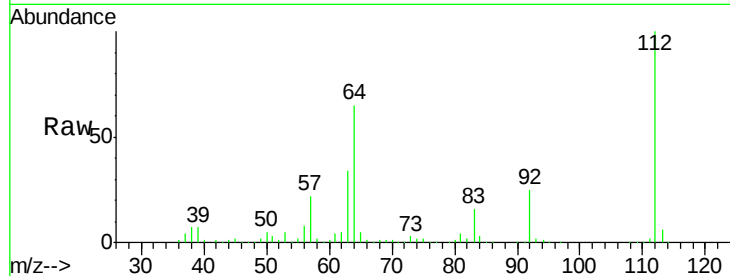
Delta R.T. 0.01 min

Lab File: BF097478.D

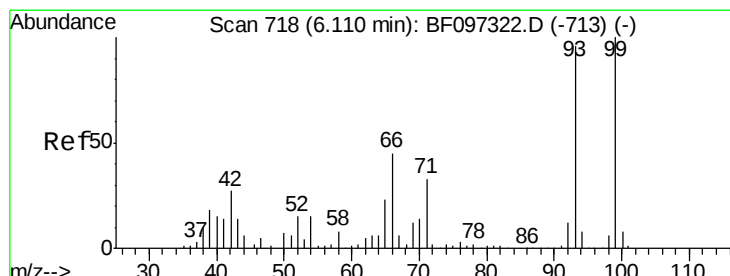
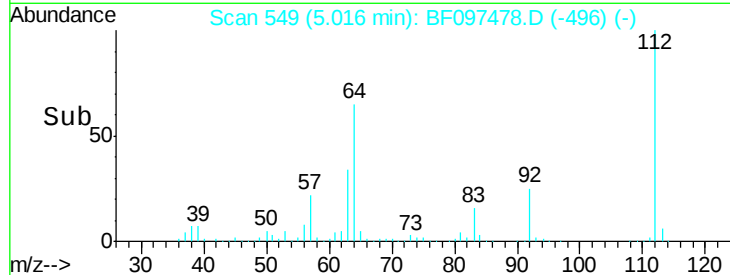
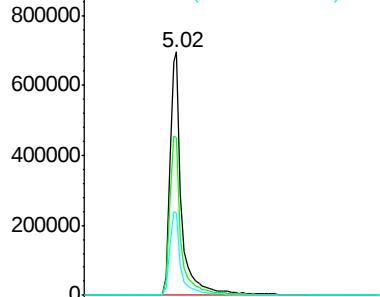
Acq: 8 Aug 2017 19:48

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 932754 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 65.0  | 46.0  | 69.0   |
| 63       | 33.7  | 23.4  | 35.0   |



Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 23.30 ng

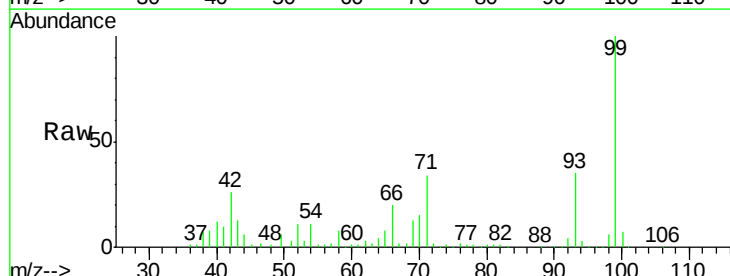
RT: 6.07 min Scan# 729

Delta R.T. 0.00 min

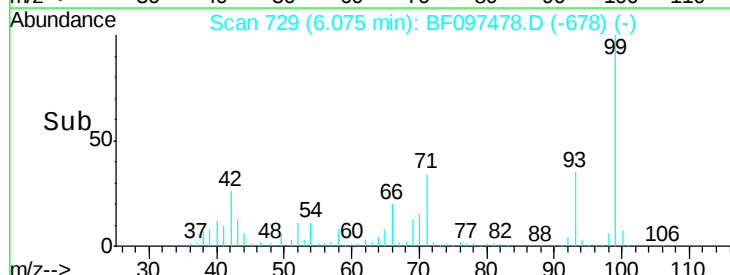
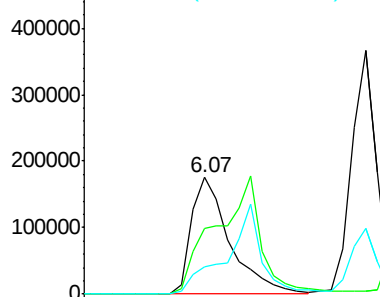
Lab File: BF097478.D

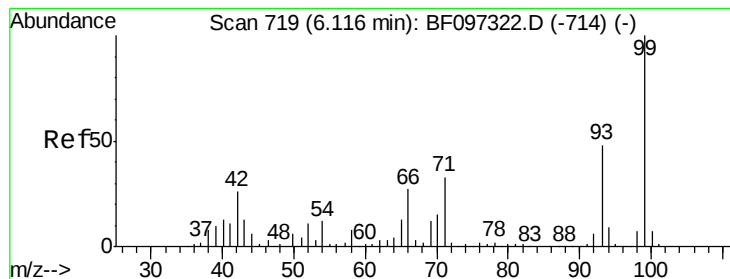
Acq: 8 Aug 2017 19:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 239626 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 56.5  | 32.9  | 49.3#  |
| 65       | 23.9  | 16.0  | 24.0   |



Abundance Ion 93.00 (92.70 to 93.70): BF0





#7

Phenol-d6

Concen: 125.93 ng

RT: 6.09 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

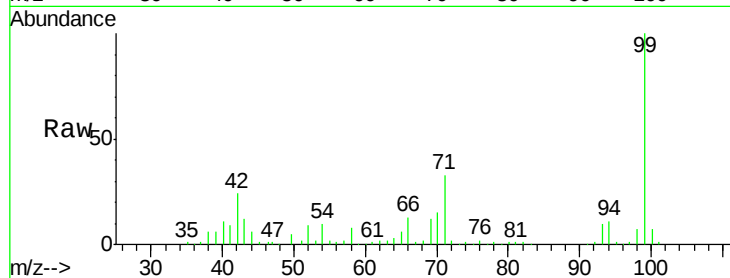
Instrument :

BNA\_F

ClientSampled :

Tot Ion: 99 Resp: 1028950

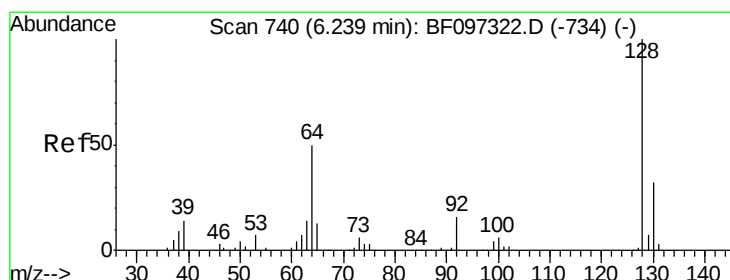
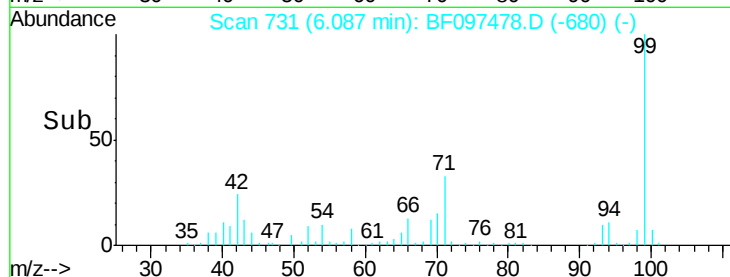
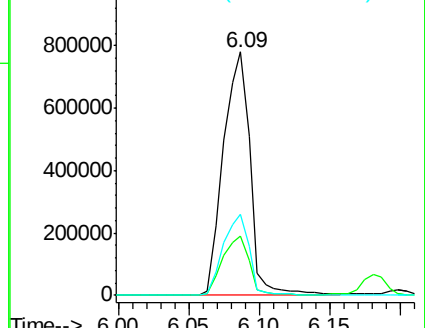
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 24.4  | 13.5  | 20.3# |
| 71  | 33.1  | 24.5  | 36.7  |



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: 41.86 ng

RT: 6.20 min Scan# 750

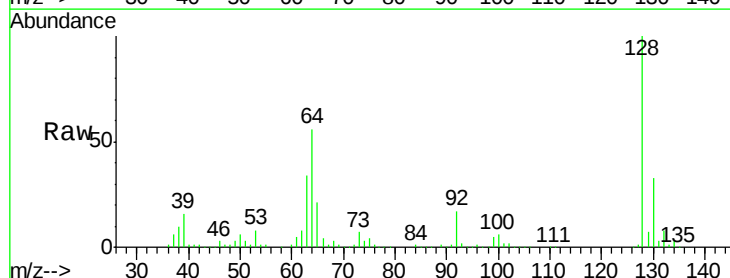
Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Tgt Ion: 128 Resp: 320335

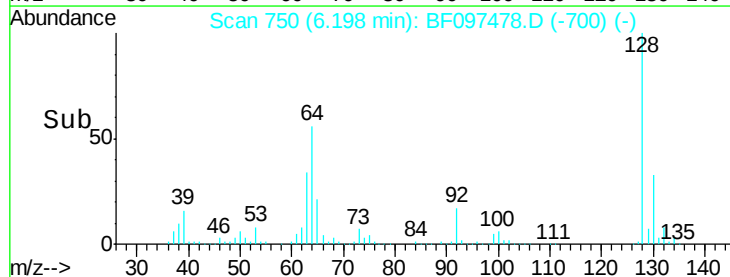
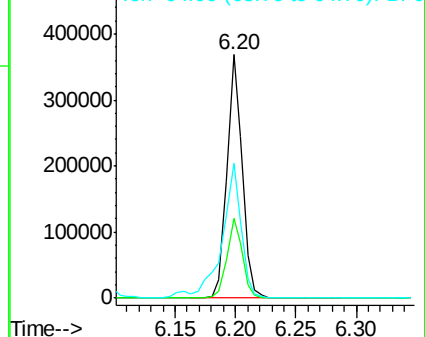
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.5  | 12.9  | 52.9  |
| 64  | 55.6  | 28.4  | 68.4  |

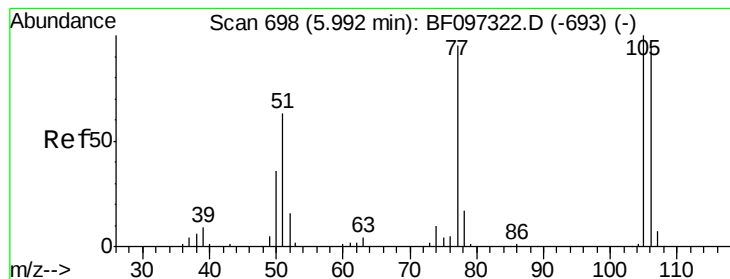


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 32.10 ng

RT: 5.95 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampled :

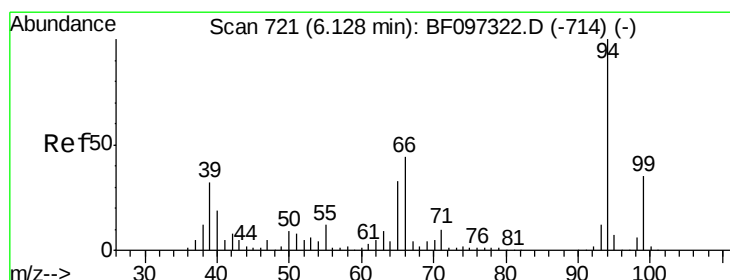
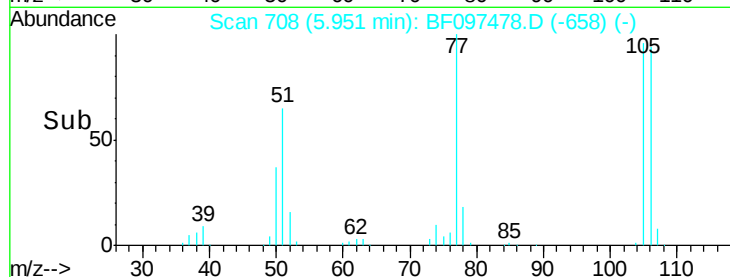
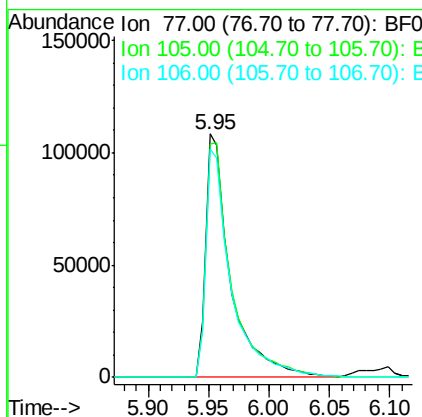
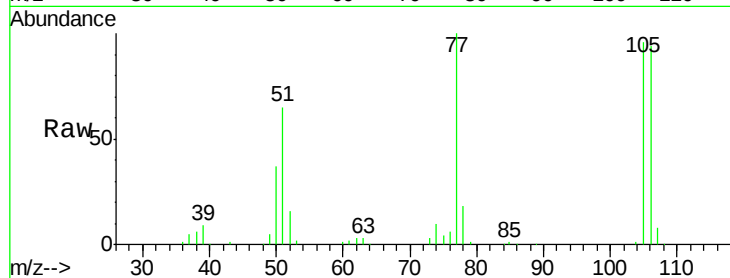
Tot Ion: 77 Resp: 155262

Ion Ratio Lower Upper

77 100

105 95.9 83.8 123.8

106 94.0 79.1 119.1



#10

Phenol

Concen: 41.56 ng

RT: 6.10 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

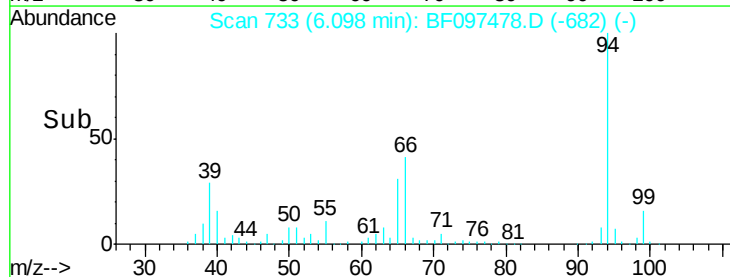
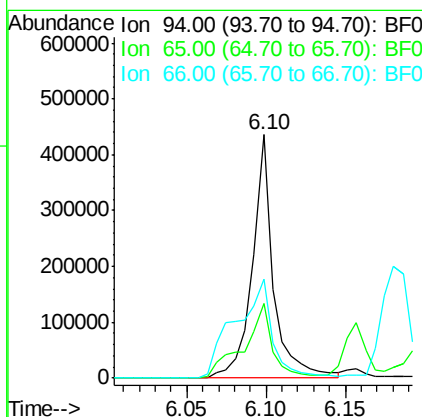
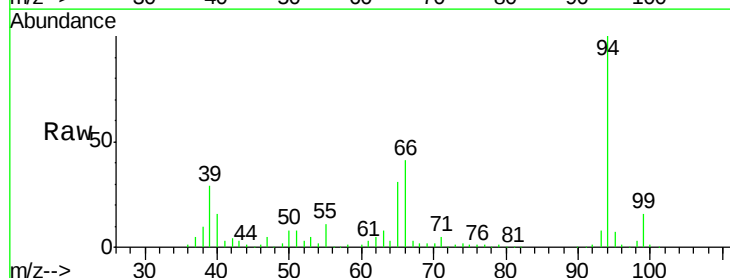
Tgt Ion: 94 Resp: 402815

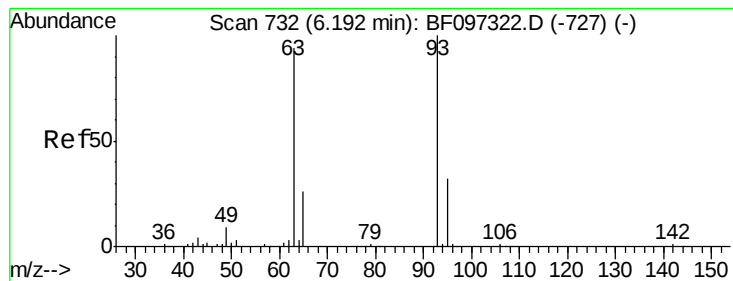
Ion Ratio Lower Upper

94 100

65 30.9 9.9 49.9

66 40.6 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 41.79 ng

RT: 6.16 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampled :

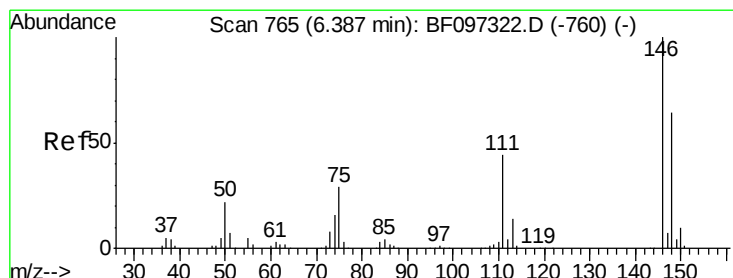
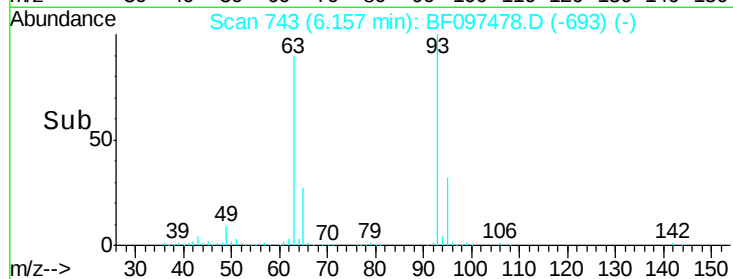
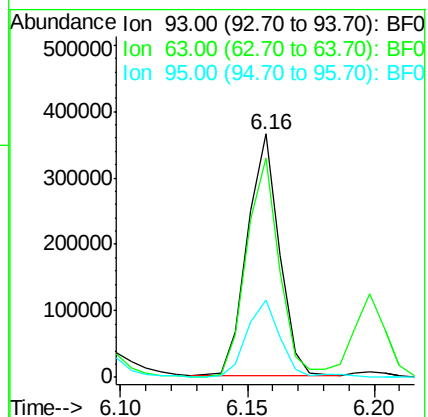
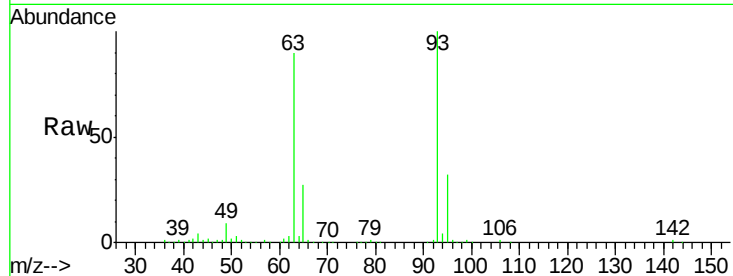
Tot Ion: 93 Resp: 320353

Ion Ratio Lower Upper

93 100

63 90.1 59.2 99.2

95 31.7 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 41.65 ng

RT: 6.35 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

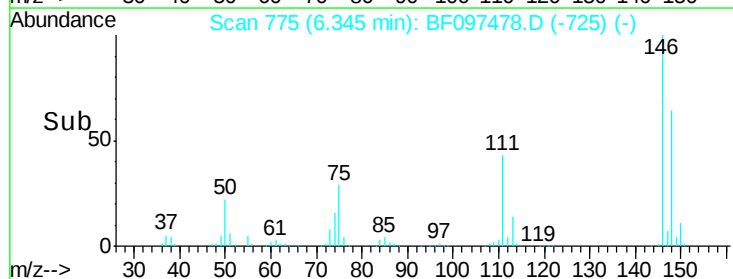
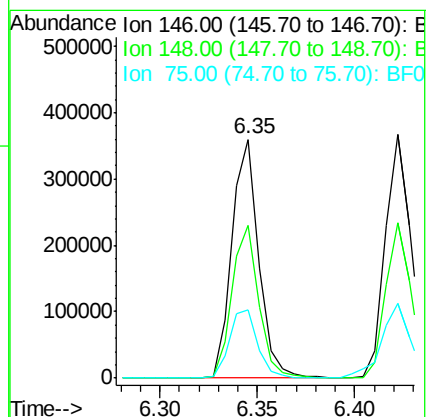
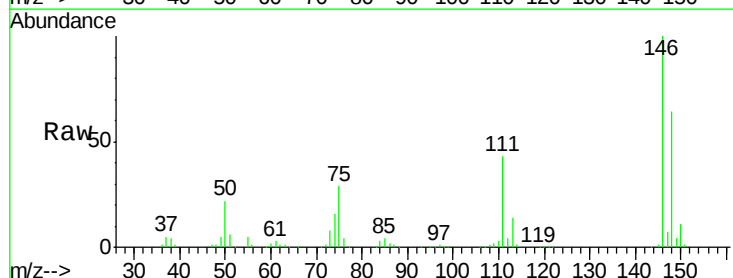
Tgt Ion: 146 Resp: 343482

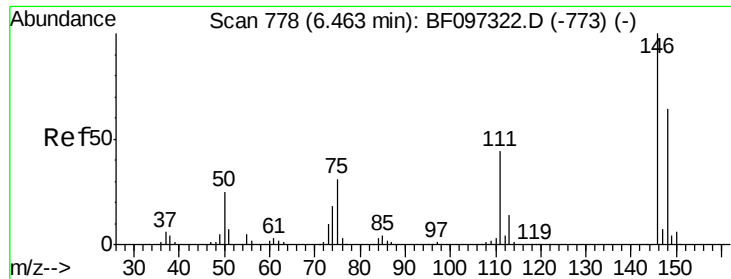
Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

75 28.6 23.1 34.7

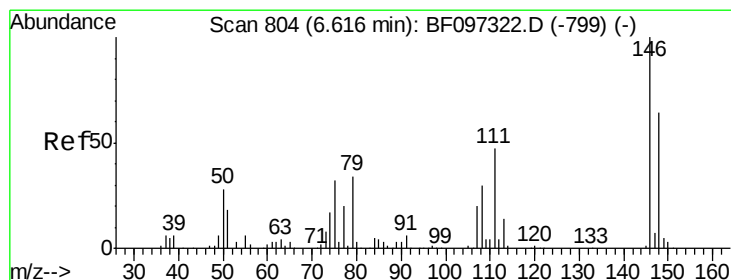
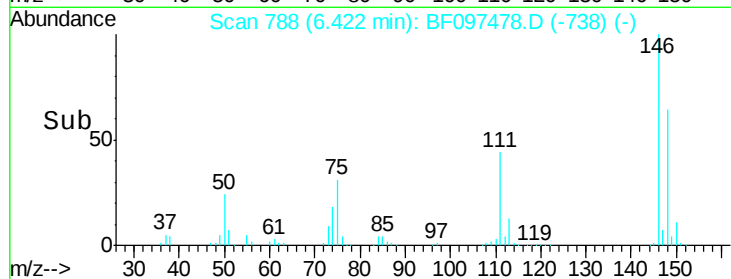
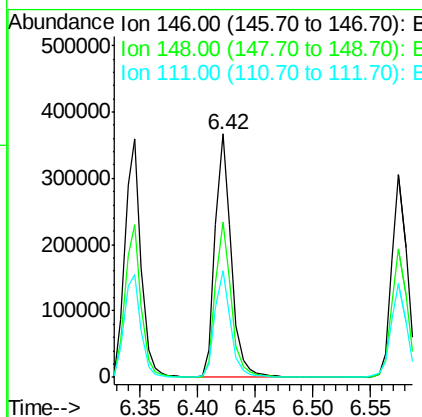
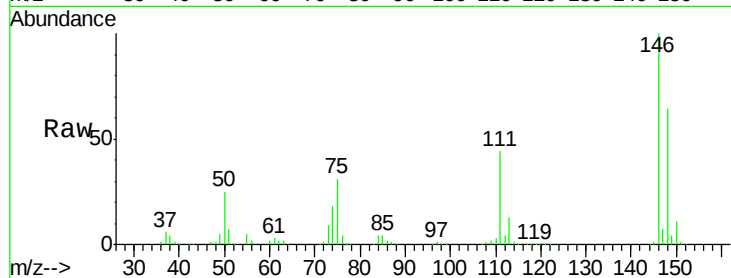




#13  
 1,4-Dichlorobenzene  
 Concen: 43.47 ng  
 RT: 6.42 min Scan# 788  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

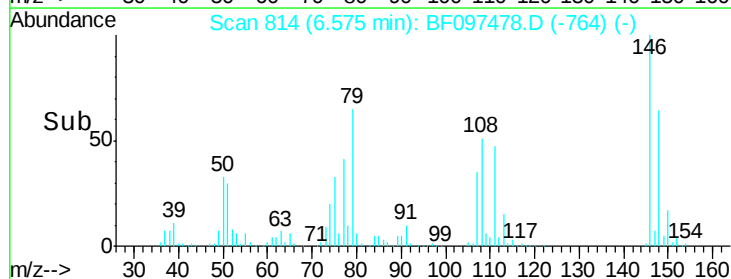
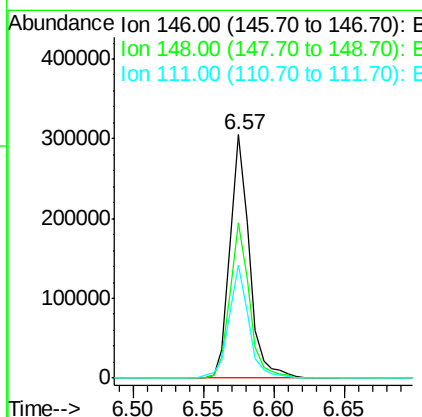
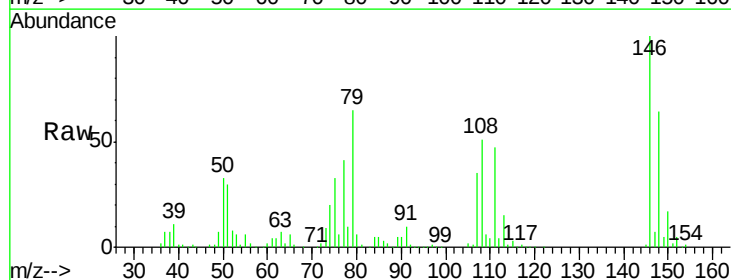
Instrument :  
 BNA\_F  
 ClientSampled :

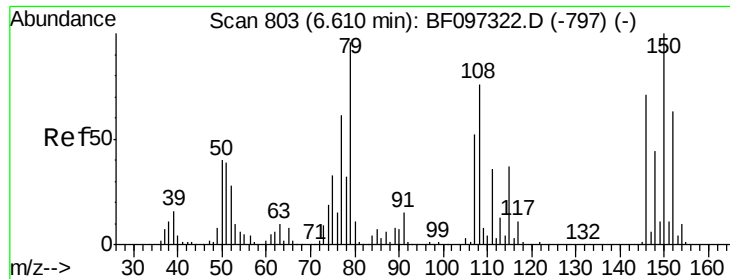
Tot Ion:146 Resp: 355287  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 52.2 78.2  
 111 44.1 30.3 45.5



#14  
 1,2-Dichlorobenzene  
 Concen: 41.04 ng  
 RT: 6.57 min Scan# 814  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Tgt Ion:146 Resp: 292916  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 50.4 75.6  
 111 46.7 38.2 57.4

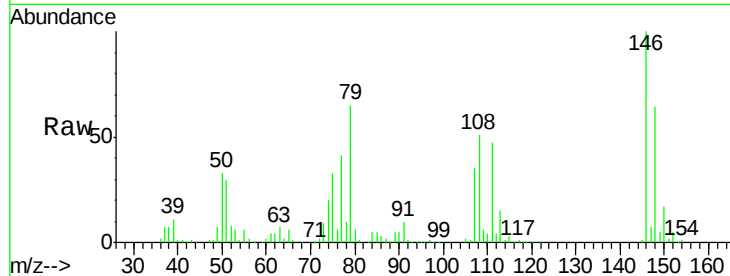




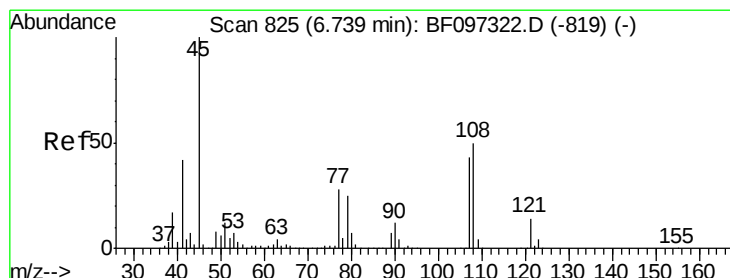
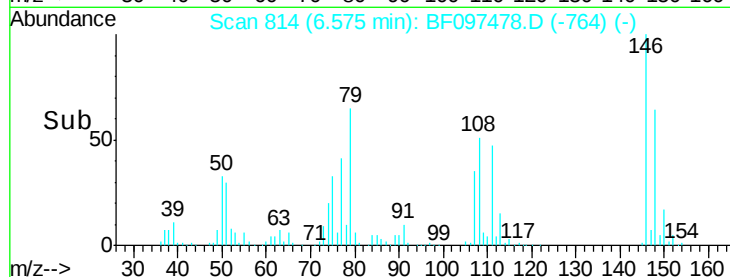
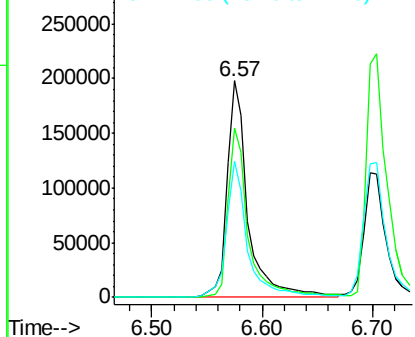
#15  
Benzyl Alcohol  
Concen: 50.94 ng  
RT: 6.57 min Scan# 814  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 79 Resp: 263511  
Ion Ratio Lower Upper  
79 100  
108 78.5 63.4 95.0  
77 62.7 49.2 73.8

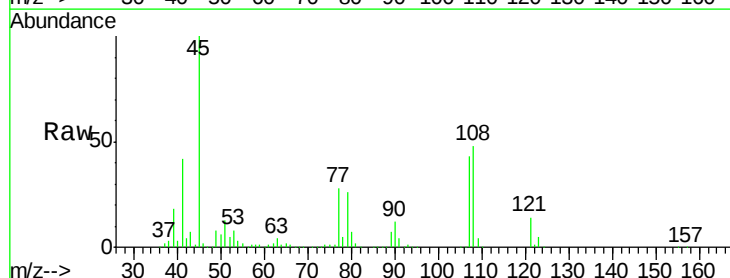


Abundance Ion 79.00 (78.70 to 79.70): BF0  
Ion 108.00 (107.70 to 108.70): BF0  
Ion 77.00 (76.70 to 77.70): BF0

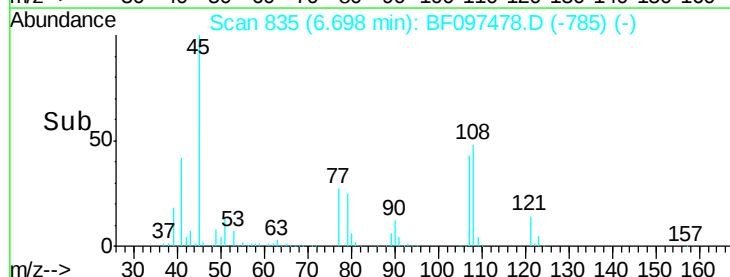
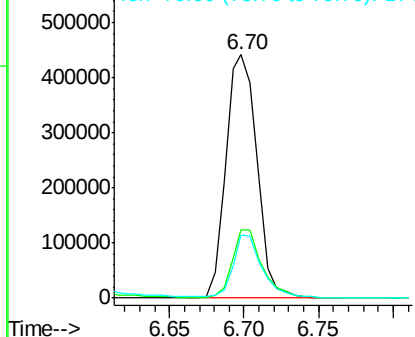


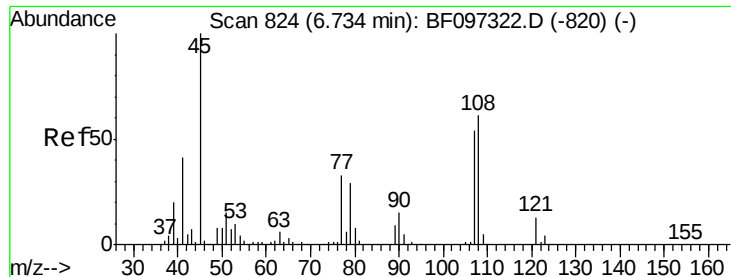
#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.95 ng  
RT: 6.70 min Scan# 835  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Tgt Ion: 45 Resp: 645056  
Ion Ratio Lower Upper  
45 100  
77 27.8 0.0 33.2  
79 25.8 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

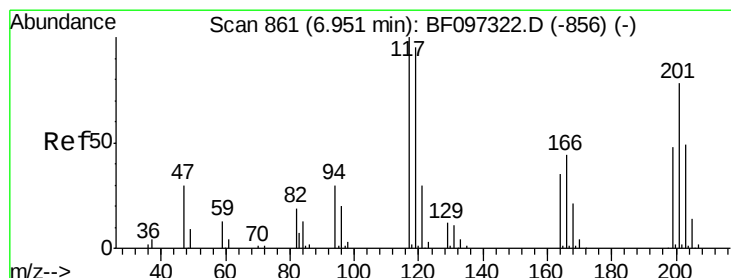
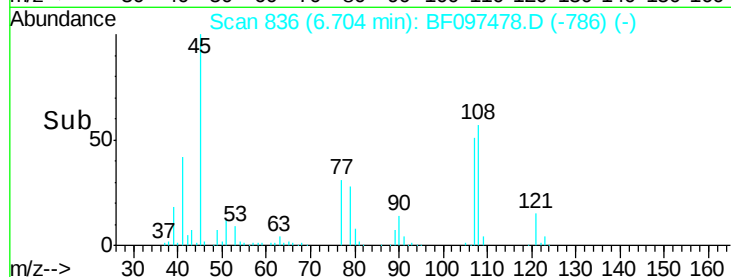
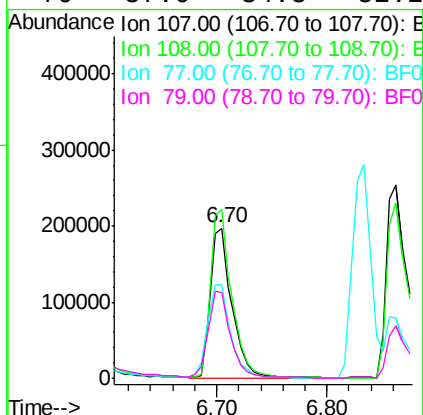
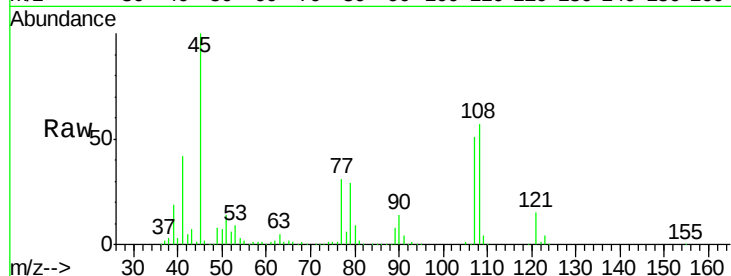




#17  
2-Methylphenol  
Concen: 44.19 ng  
RT: 6.70 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

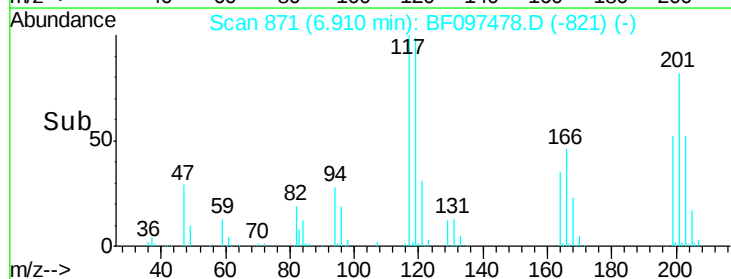
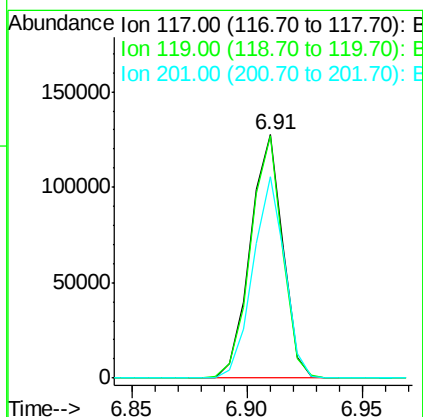
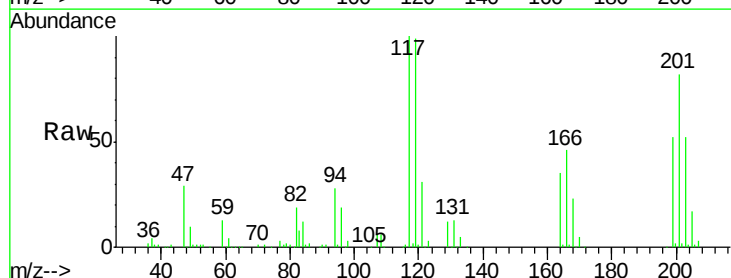
Instrument :  
BNA\_F  
ClientSampled :

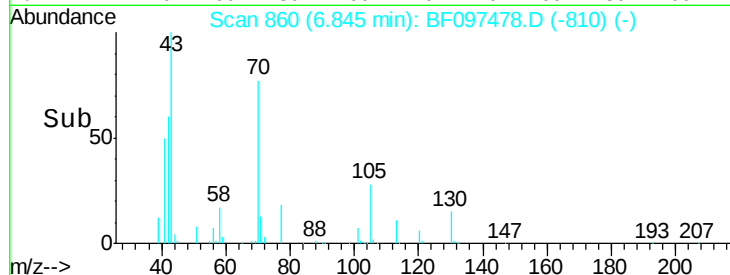
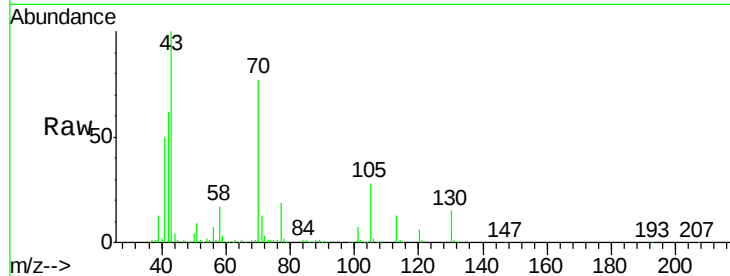
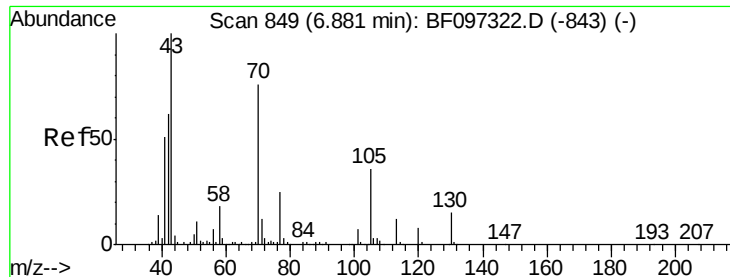
Tot Ion:107 Resp: 261033  
Ion Ratio Lower Upper  
107 100  
108 112.8 93.4 140.0  
77 62.2 35.8 53.6#  
79 57.0 34.8 52.2#



#18  
Hexachloroethane  
Concen: 41.83 ng  
RT: 6.91 min Scan# 871  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Tgt Ion:117 Resp: 125098  
Ion Ratio Lower Upper  
117 100  
119 99.3 77.4 116.0  
201 82.5 94.6 141.8#

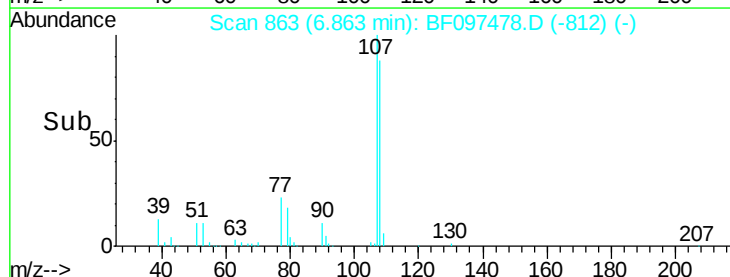
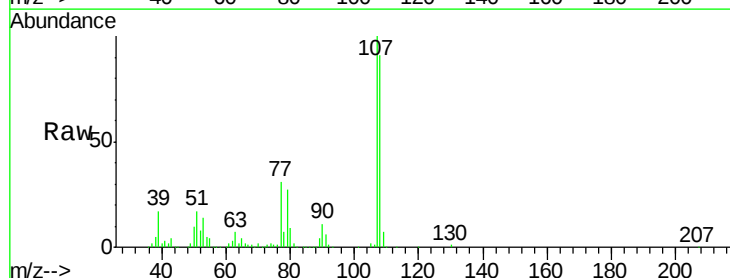
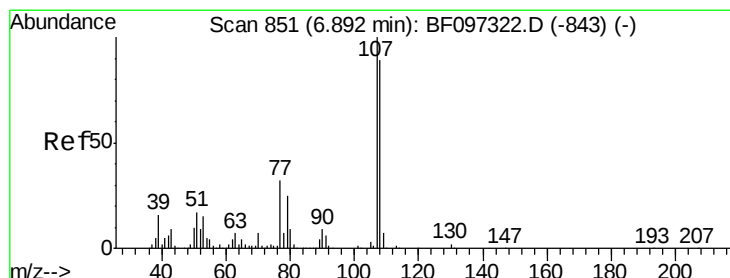
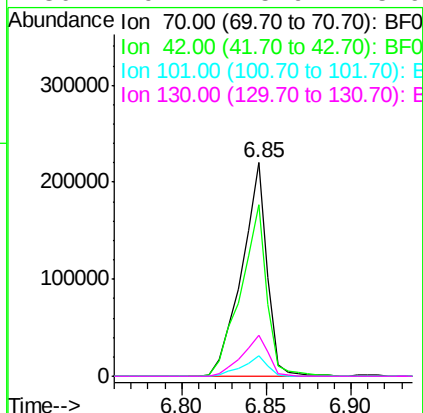




#19  
n-Nitroso-di-n-propylamine  
Concen: 42.97 ng  
RT: 6.85 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

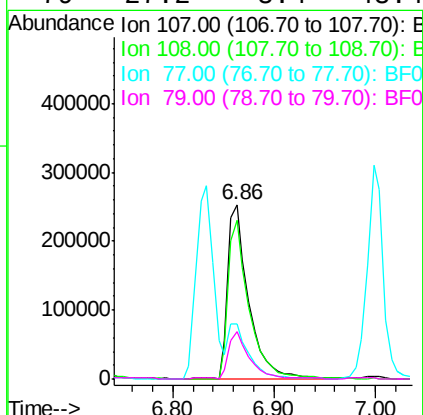
Instrument :  
BNA\_F  
ClientSampleId :

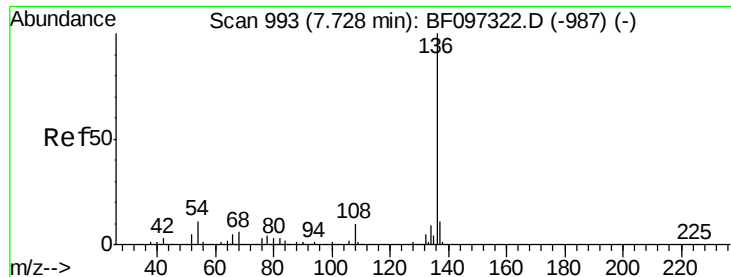
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 80.1  | 47.2  | 70.8# |
| 101     | 9.4   | 7.2   | 10.8  |
| 130     | 19.2  | 15.9  | 23.9  |



#20  
3+4-Methylphenols  
Concen: 46.73 ng  
RT: 6.86 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 90.6  | 71.0  | 111.0  |
| 77      | 31.4  | 90.5  | 130.5# |
| 79      | 27.2  | 8.4   | 48.4   |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.69 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 422110

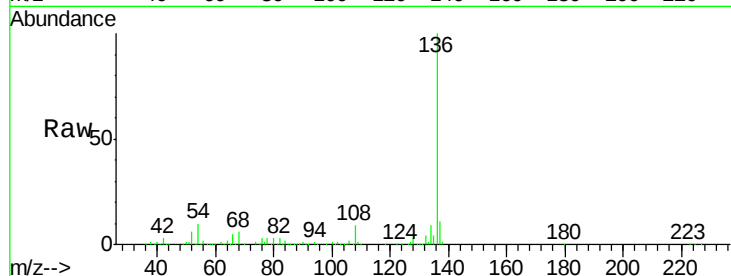
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.5 4.9 7.3#

68 5.6 4.1 6.1

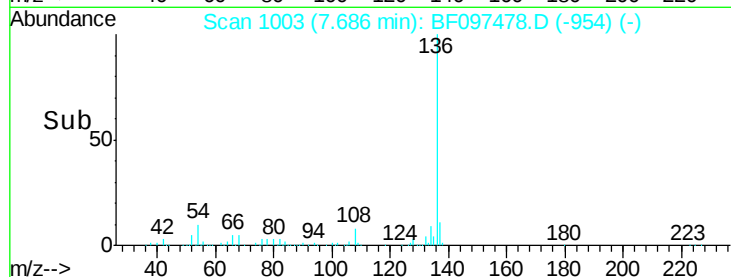


Abundance Ion 136.00 (135.70 to 136.70): E

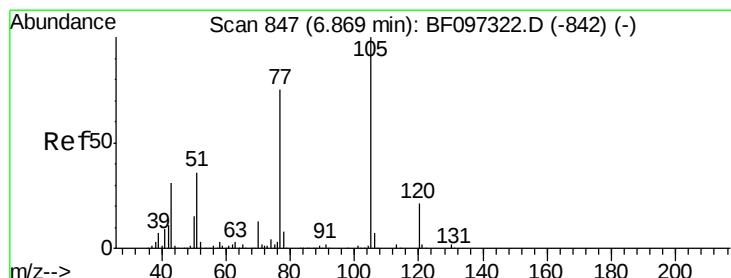
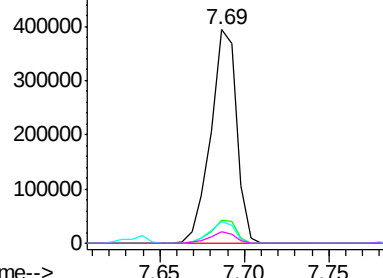
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 44.21 ng

RT: 6.83 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Tgt Ion:105 Resp: 448112

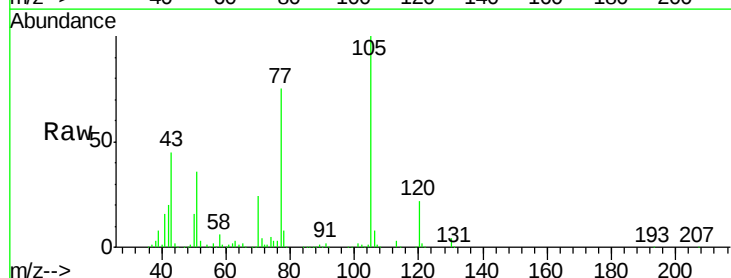
Ion Ratio Lower Upper

105 100

71 4.0 2.8 4.2

51 36.2 30.7 46.1

120 22.2 17.4 26.0

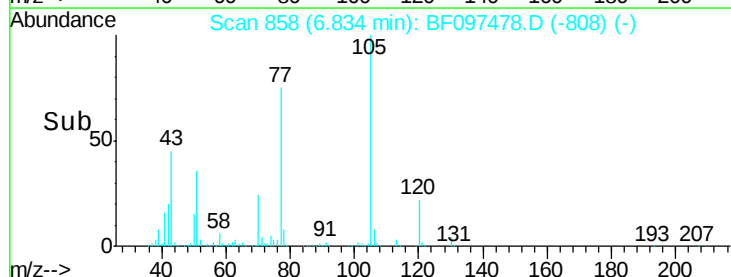


Abundance Ion 105.00 (104.70 to 105.70): E

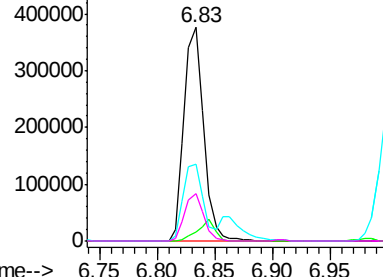
Ion 71.00 (70.70 to 71.70): BF0

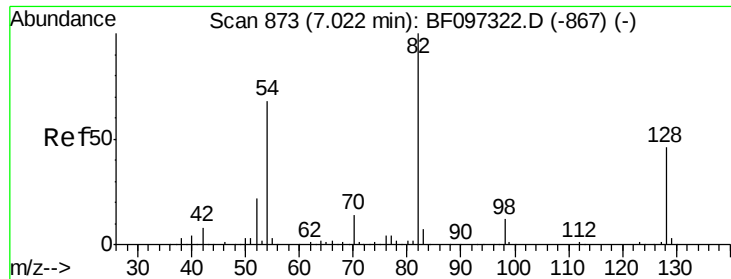
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

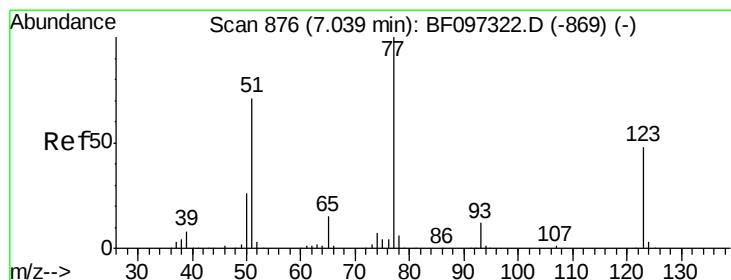
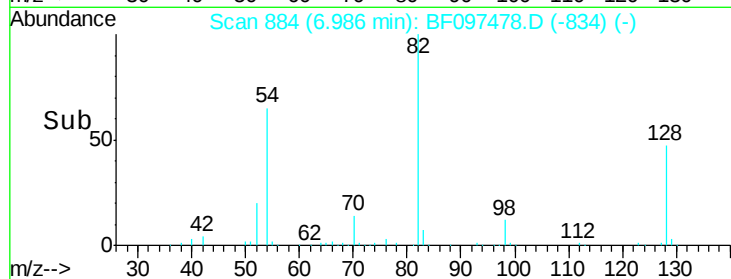
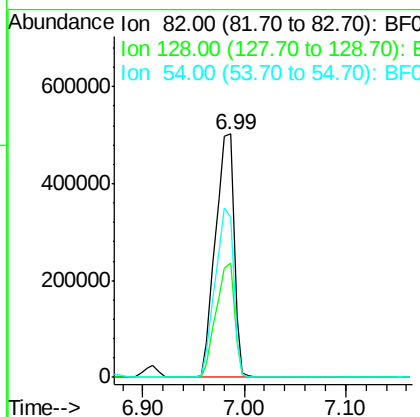
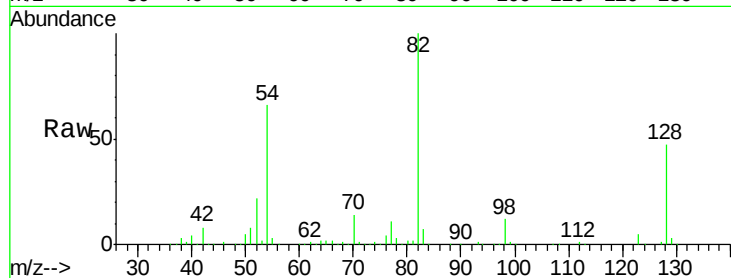




#23  
 Nitrobenzene-d5  
 Concen: 89.63 ng  
 RT: 6.99 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

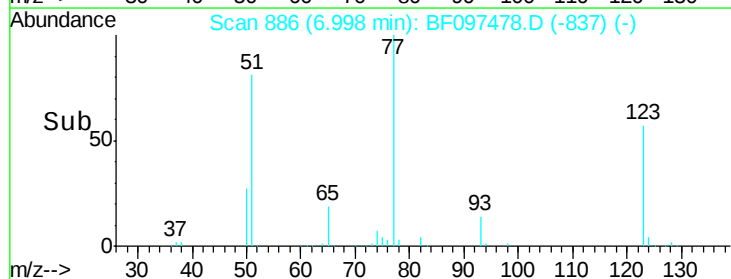
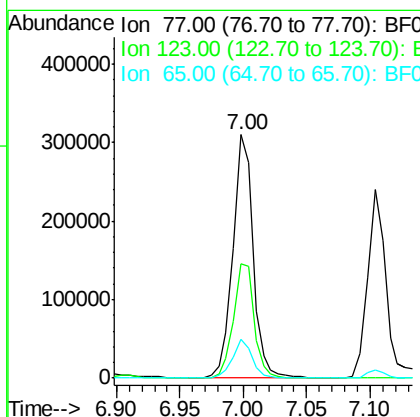
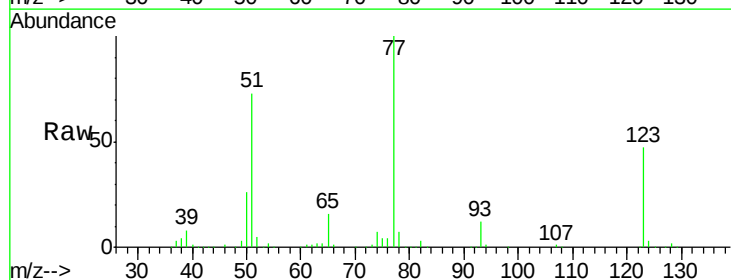
Instrument :  
 BNA\_F  
 ClientSampleId :

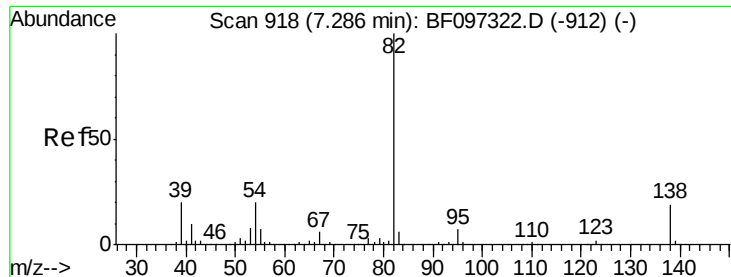
Tot Ion: 82 Resp: 644898  
 Ion Ratio Lower Upper  
 82 100  
 128 47.2 34.0 51.0  
 54 65.9 42.2 63.2#



#24  
 Nitrobenzene  
 Concen: 45.15 ng  
 RT: 7.00 min Scan# 886  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Tgt Ion: 77 Resp: 338330  
 Ion Ratio Lower Upper  
 77 100  
 123 47.1 35.8 53.8  
 65 16.1 10.6 15.8#





#25

Isophorone

Concen: 39.25 ng

RT: 7.25 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampled :

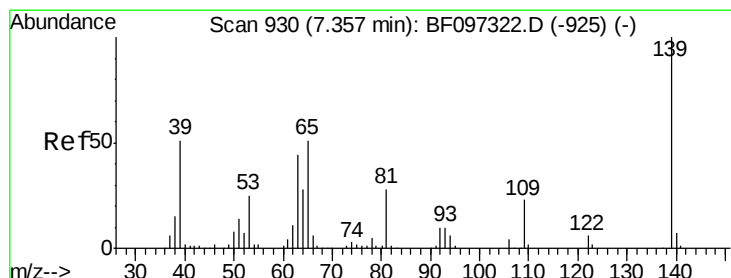
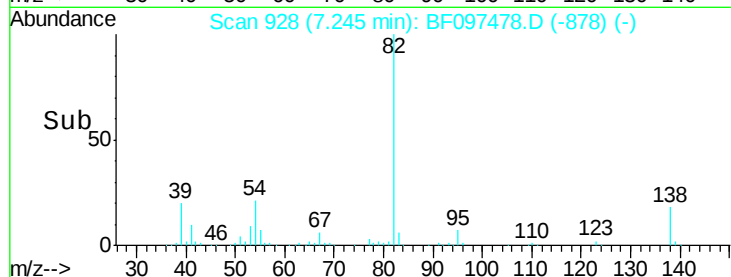
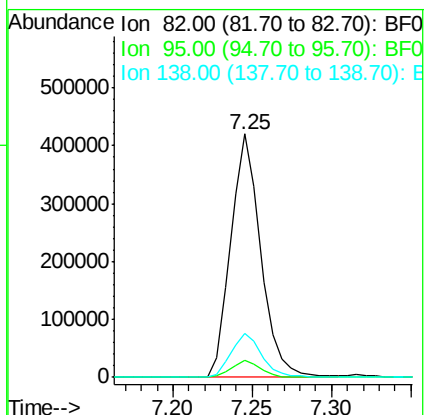
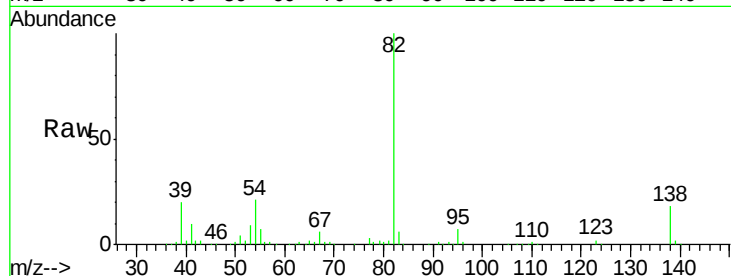
Tot Ion: 82 Resp: 553079

Ion Ratio Lower Upper

82 100

95 7.1 5.3 7.9

138 18.1 13.1 19.7



#26

2-Nitrophenol

Concen: 41.91 ng

RT: 7.32 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

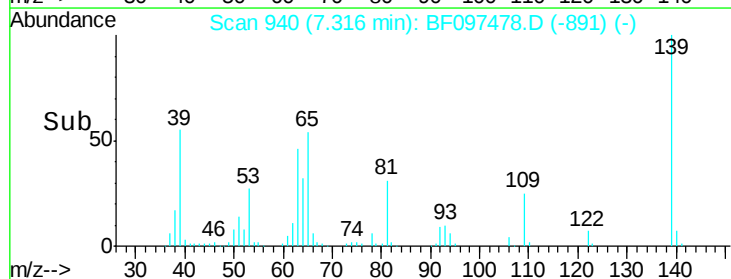
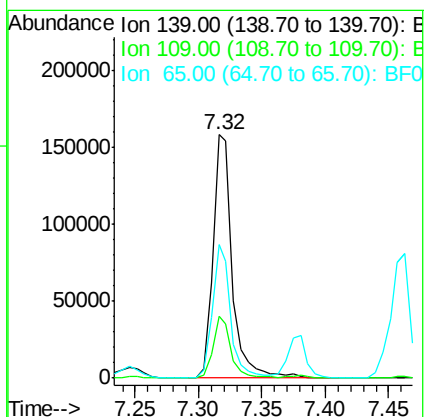
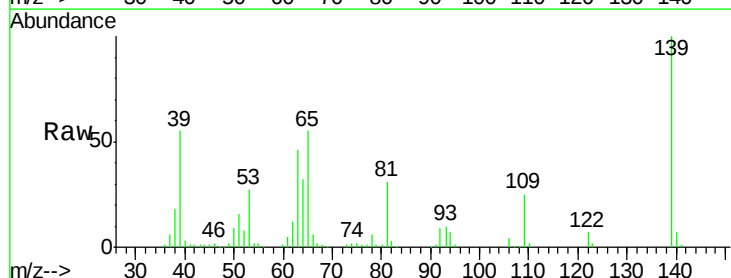
Tgt Ion: 139 Resp: 169897

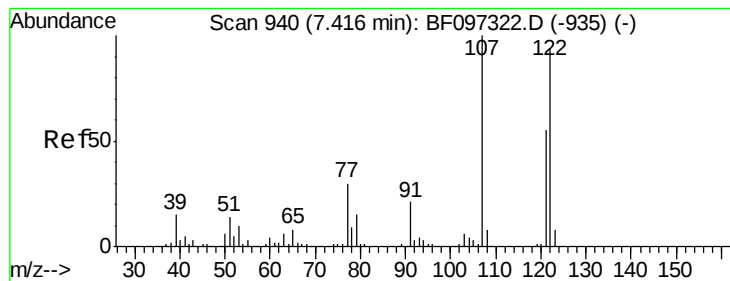
Ion Ratio Lower Upper

139 100

109 25.3 21.0 31.6

65 54.7 33.0 49.6#





#27

2,4-Dimethylphenol

Concen: 41.41 ng

RT: 7.38 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :  
BNA\_F  
ClientSampled :

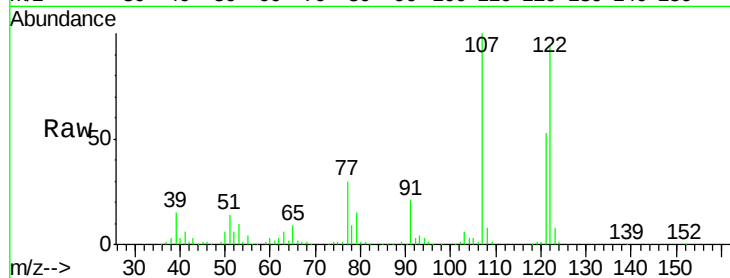
Tot Ion:122 Resp: 276961

Ion Ratio Lower Upper

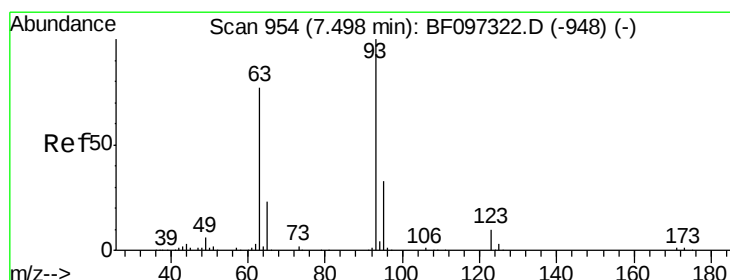
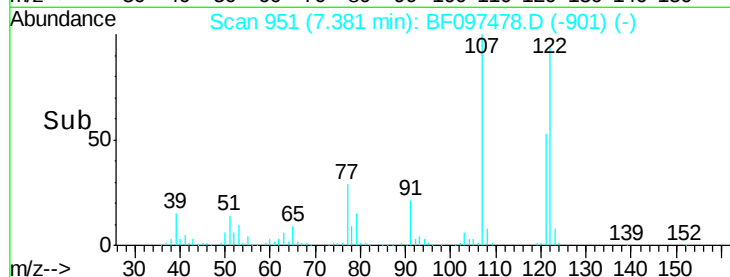
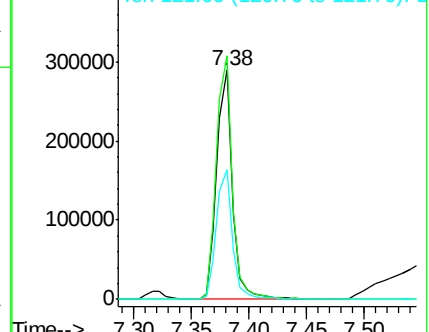
122 100

107 106.3 89.2 133.8

121 56.8 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: 40.12 ng

RT: 7.46 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

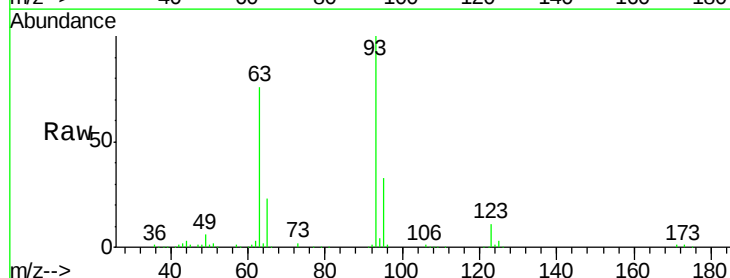
Tgt Ion: 93 Resp: 368942

Ion Ratio Lower Upper

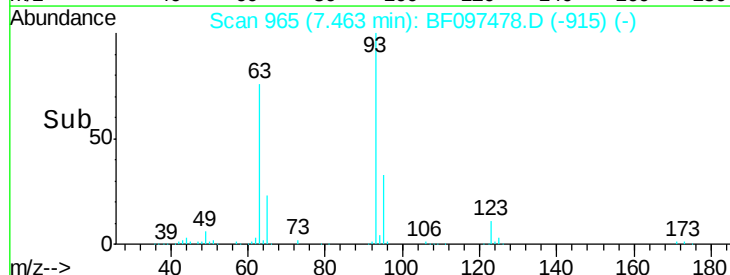
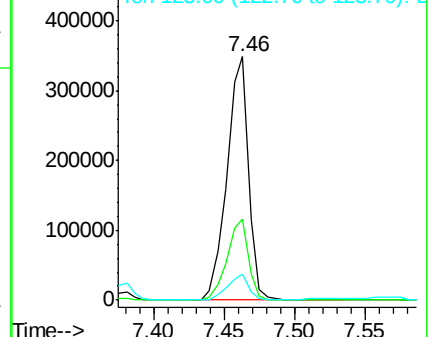
93 100

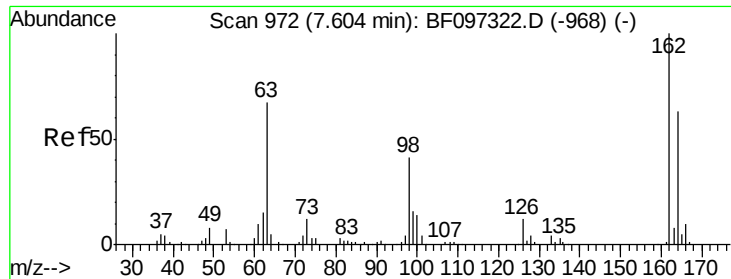
95 33.2 26.5 39.7

123 10.7 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

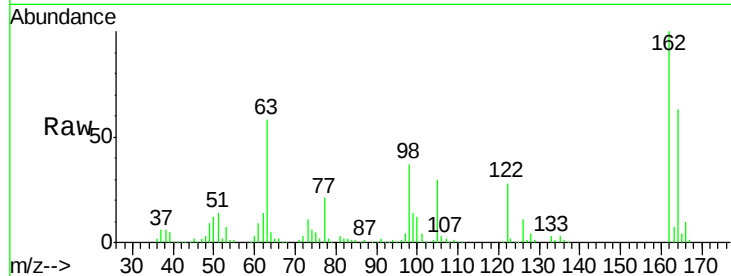




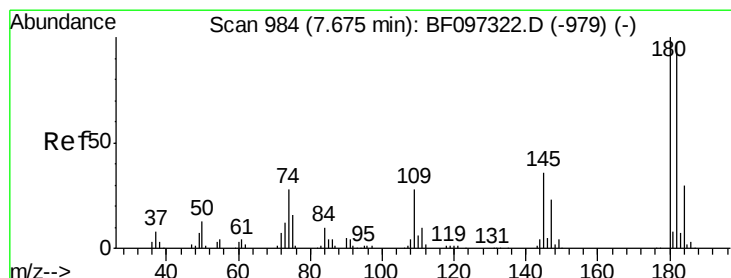
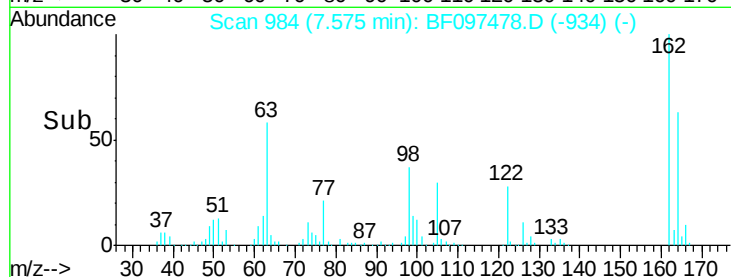
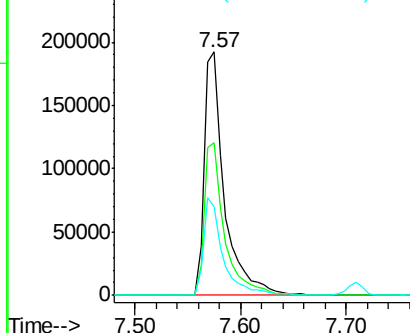
#29  
 2,4-Dichlorophenol  
 Concen: 43.96 ng  
 RT: 7.57 min Scan# 984  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:162 Resp: 253273  
 Ion Ratio Lower Upper  
 162 100  
 164 62.9 44.6 84.6  
 98 36.6 14.8 54.8

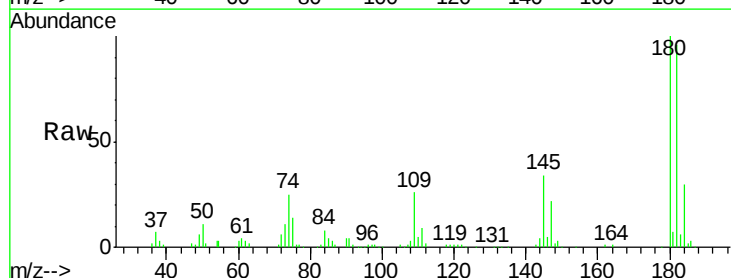


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

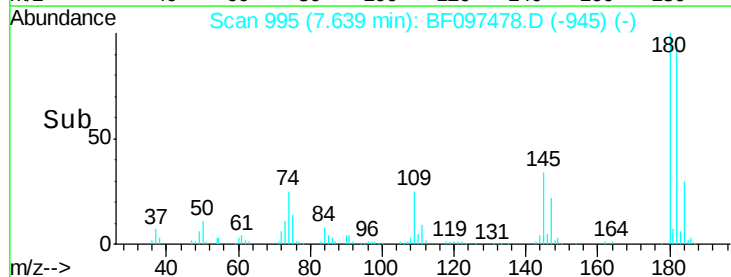
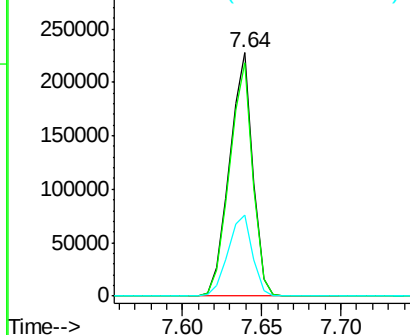


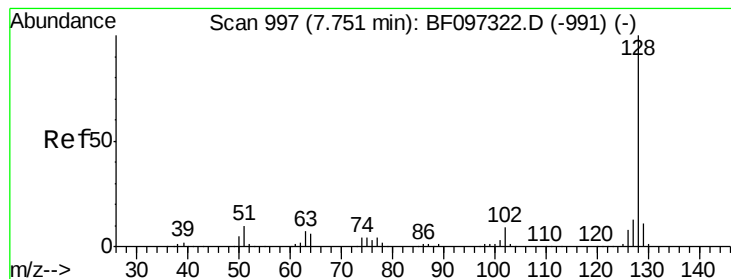
#30  
 1,2,4-Trichlorobenzene  
 Concen: 41.98 ng  
 RT: 7.64 min Scan# 995  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Tgt Ion:180 Resp: 230520  
 Ion Ratio Lower Upper  
 180 100  
 182 96.1 75.8 113.6  
 145 33.6 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: 43.07 ng

RT: 7.71 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampleId :

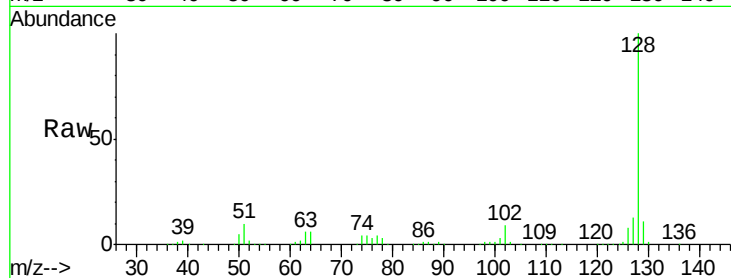
Tot Ion:128 Resp: 857065

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

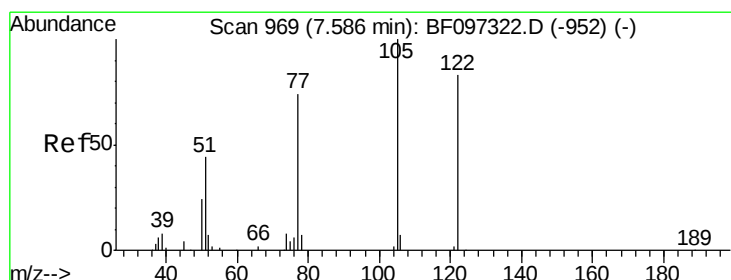
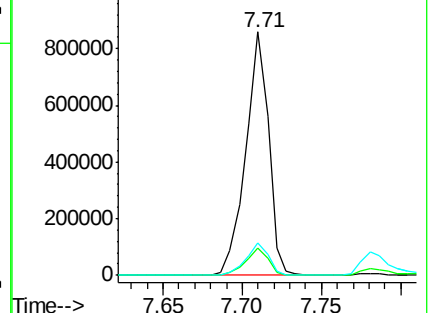
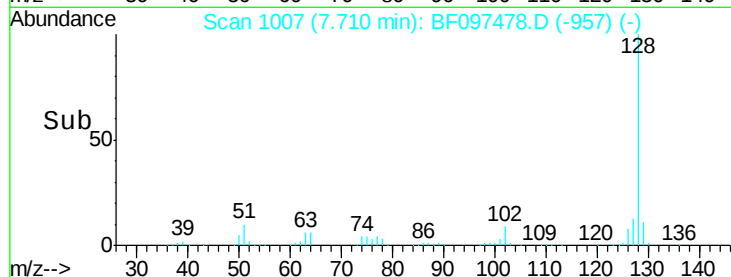
127 13.3 10.8 16.2



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: 36.80 ng

RT: 7.56 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

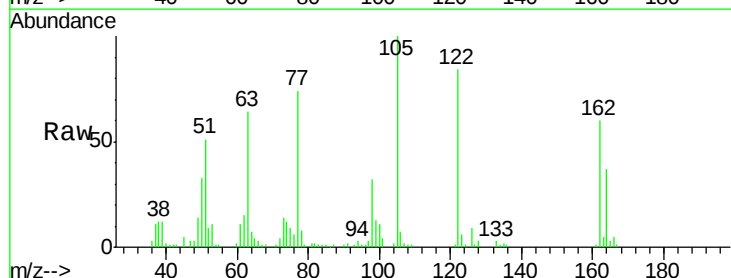
Tgt Ion:122 Resp: 183780

Ion Ratio Lower Upper

122 100

105 119.7 103.3 143.3

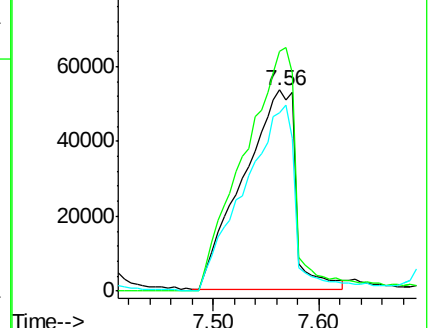
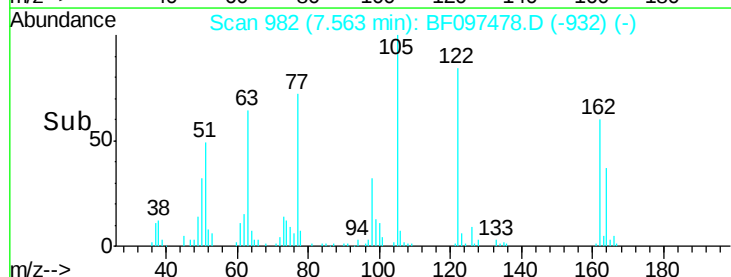
77 88.8 73.7 113.7

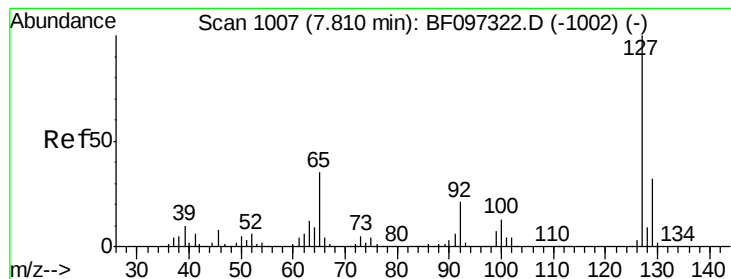


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 14.65 ng

RT: 7.78 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:127 Resp: 118644

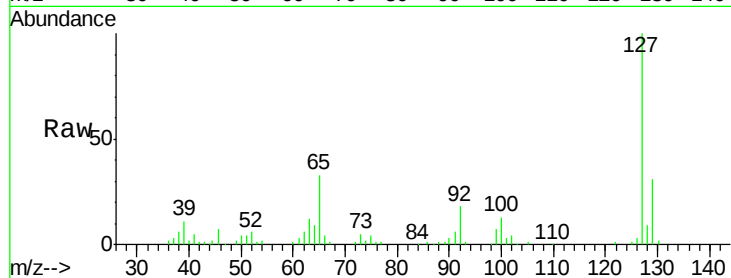
Ion Ratio Lower Upper

127 100

129 30.6 26.2 39.2

65 32.7 27.8 41.8

92 18.5 16.8 25.2

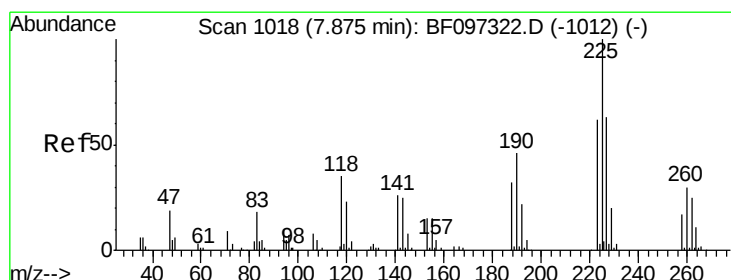
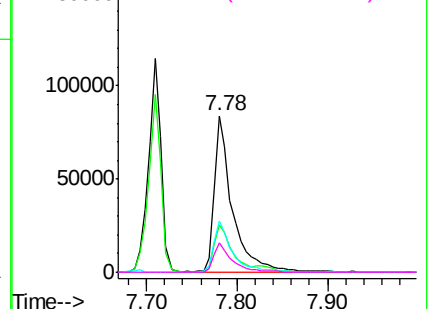
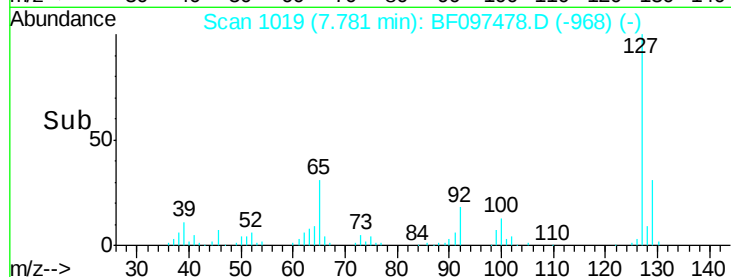


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 41.53 ng

RT: 7.83 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

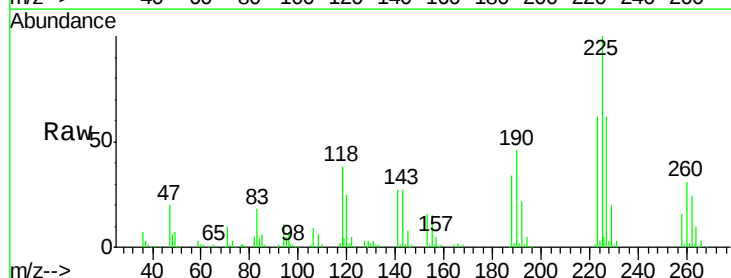
Tgt Ion:225 Resp: 120913

Ion Ratio Lower Upper

225 100

223 62.2 48.8 73.2

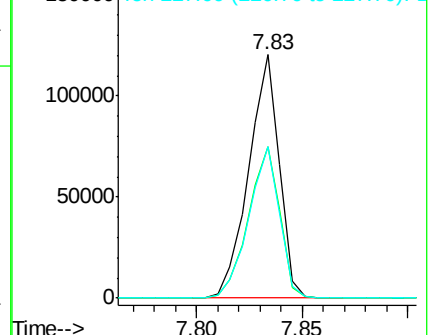
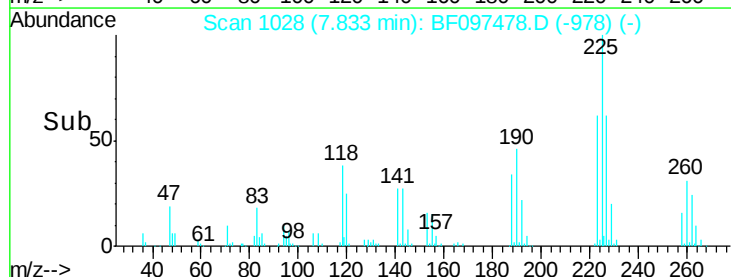
227 62.3 51.1 76.7

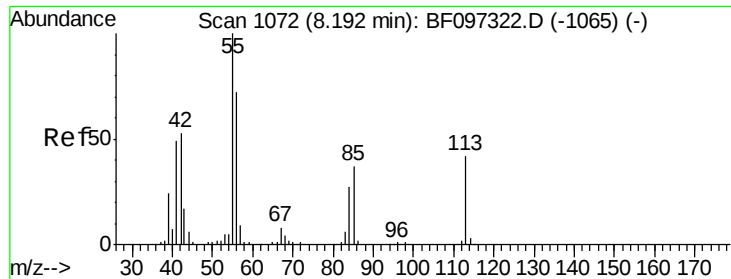


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

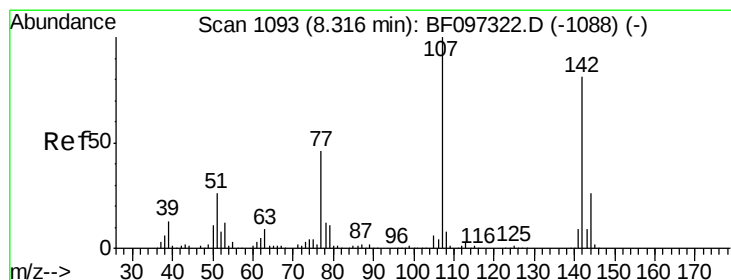
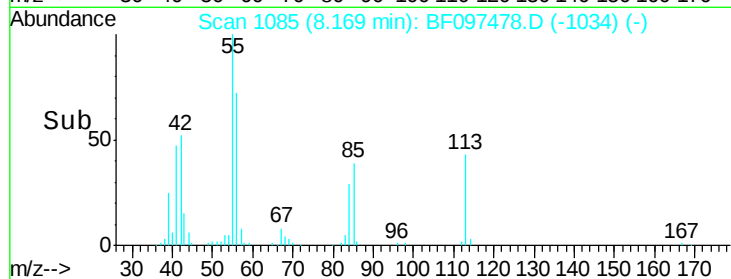
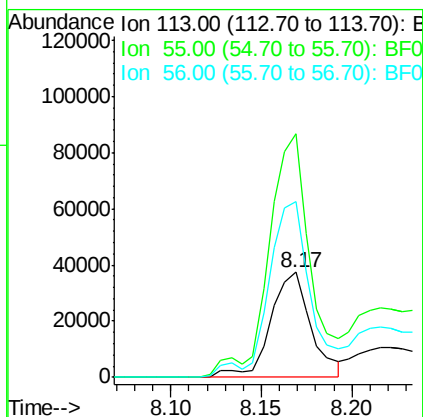
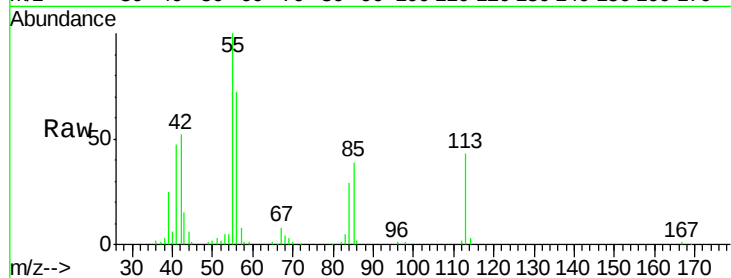




#35  
Caprolactam  
Concen: 31.59 ng  
RT: 8.17 min Scan# 1085  
Delta R.T. 0.00 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

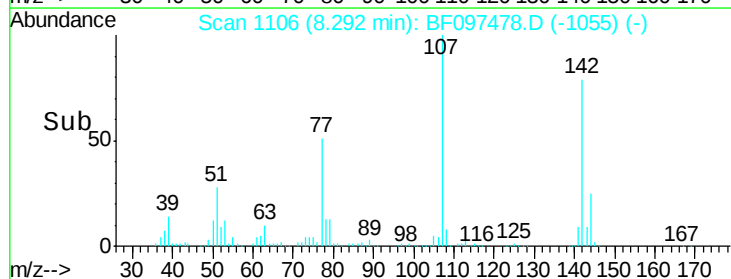
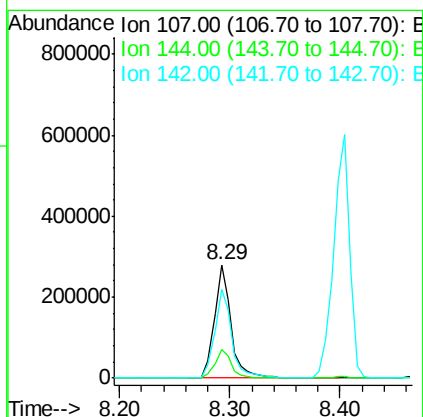
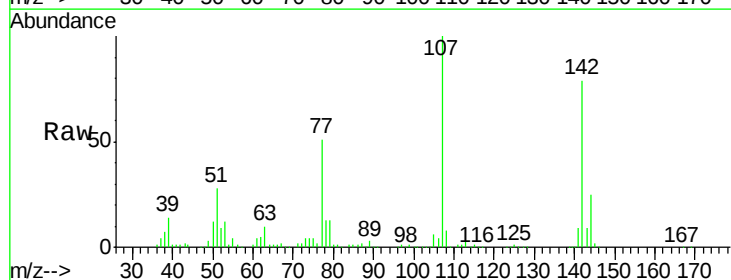
Instrument :  
BNA\_F  
ClientSampleId :

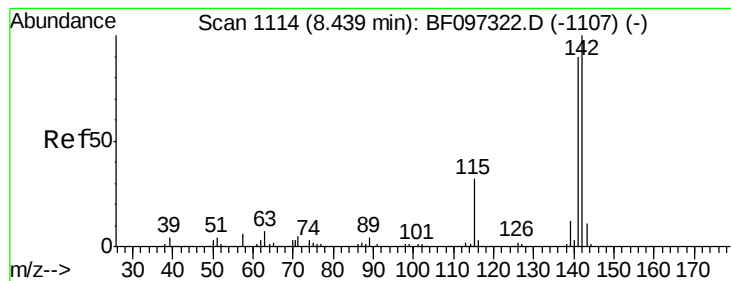
Tot Ion:113 Resp: 58356  
Ion Ratio Lower Upper  
113 100  
55 231.8 150.2 190.2#  
56 167.4 107.8 147.8#



#36  
4-Chloro-3-methylphenol  
Concen: 46.31 ng  
RT: 8.29 min Scan# 1106  
Delta R.T. 0.00 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Tgt Ion:107 Resp: 291092  
Ion Ratio Lower Upper  
107 100  
144 24.9 24.2 36.4  
142 78.5 73.4 110.0

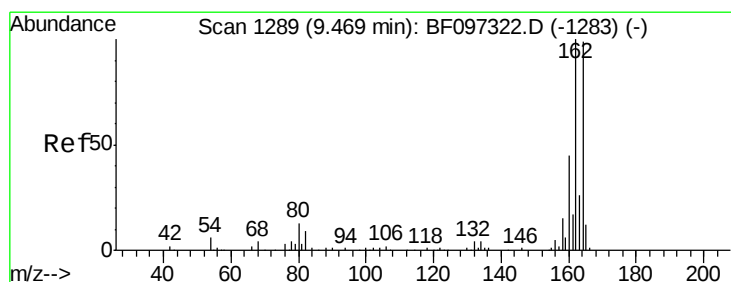
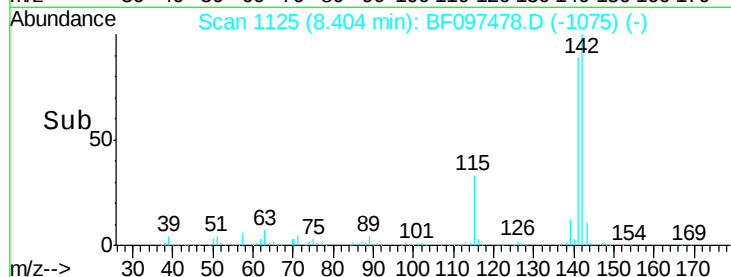
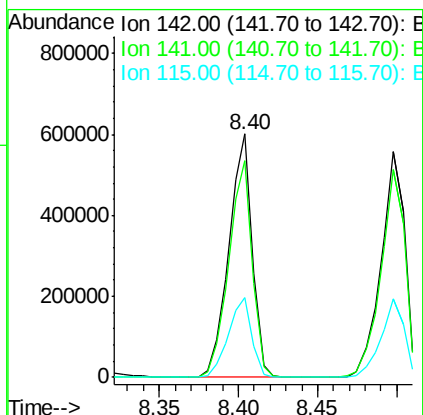
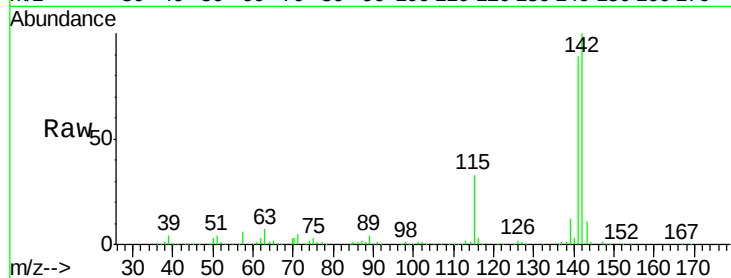




#37  
2-Methylnaphthalene  
Concen: 48.80 ng  
RT: 8.40 min Scan# 1125  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

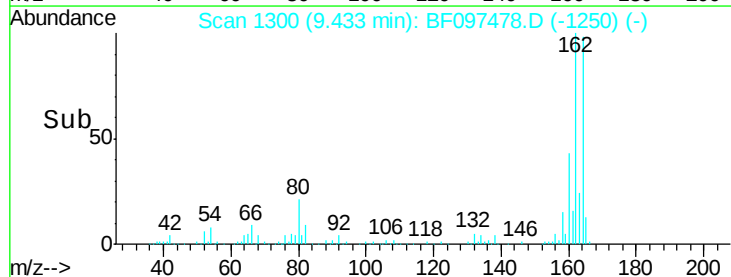
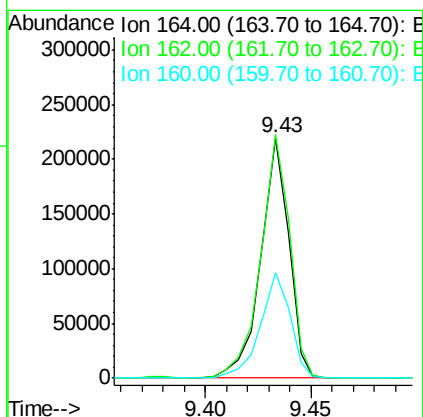
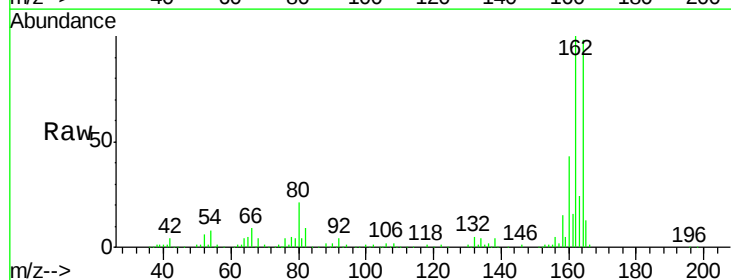
Instrument :  
BNA\_F  
ClientSampleId :

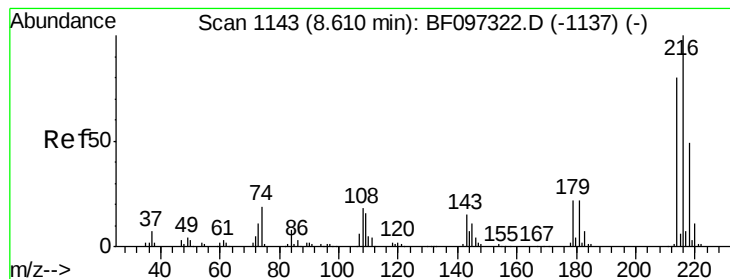
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.9  | 71.3  | 106.9 |
| 115     | 32.6  | 27.1  | 40.7  |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.43 min Scan# 1300  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.5 | 82.6  | 123.8 |
| 160     | 44.1  | 36.2  | 54.2  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.29 ng

RT: 8.57 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 220191

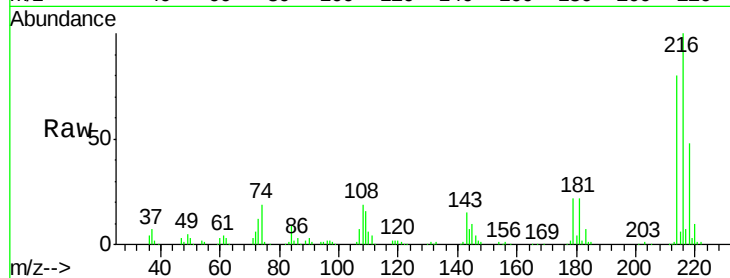
Ion Ratio Lower Upper

216 100

214 78.5 63.4 95.2

179 22.1 17.9 26.9

108 21.9 16.5 24.7

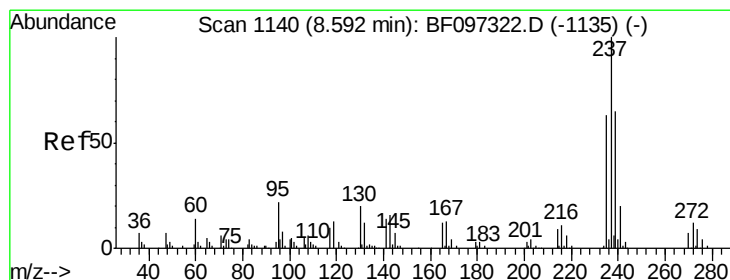
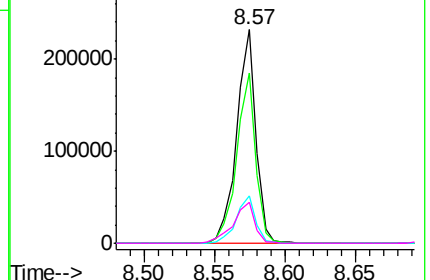
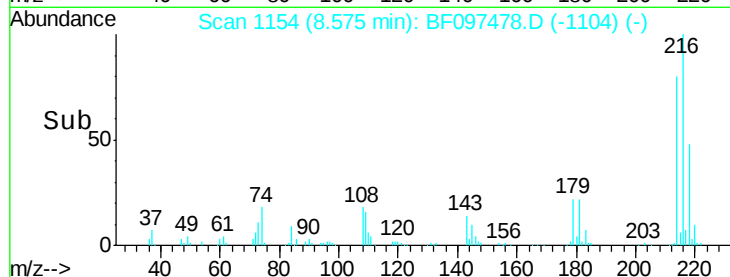


Abundance Ion 216.00 (215.70 to 216.70): E

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: 57.91 ng

RT: 8.56 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

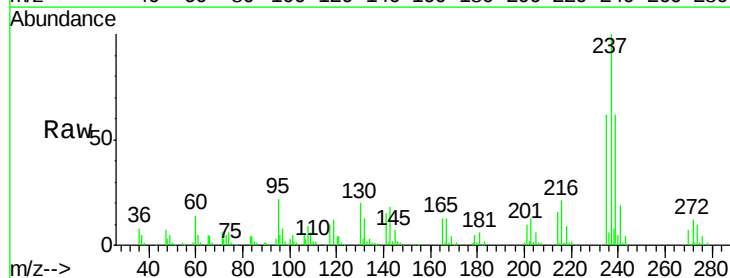
Tgt Ion:237 Resp: 106869

Ion Ratio Lower Upper

237 100

235 62.4 42.6 82.6

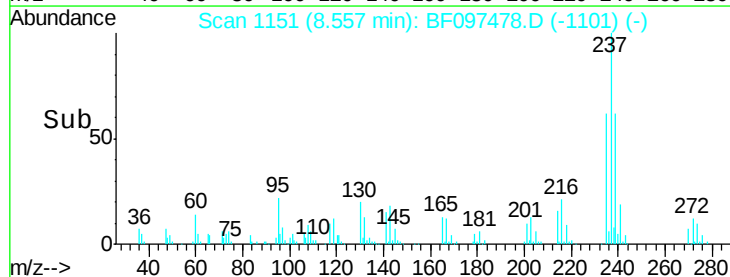
272 11.9 0.0 31.9



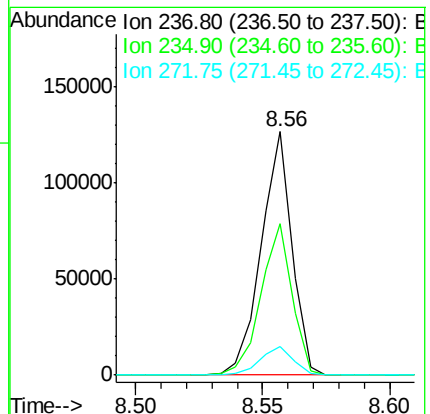
Abundance Ion 236.80 (236.50 to 237.50): E

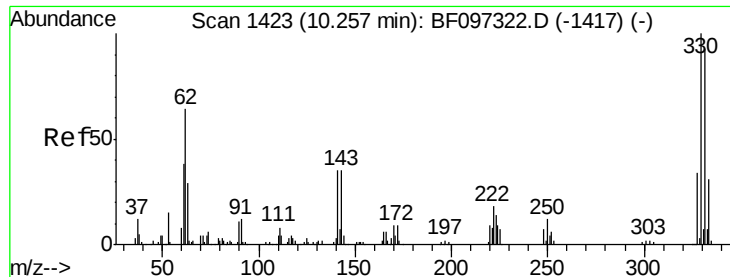
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->

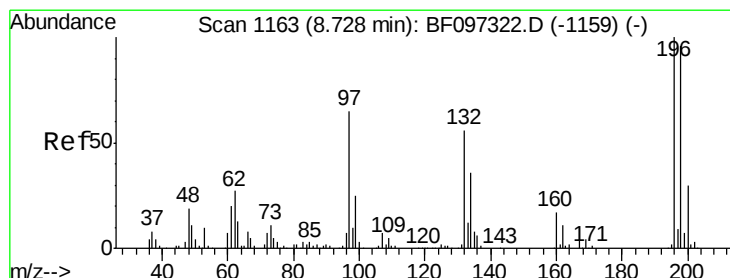
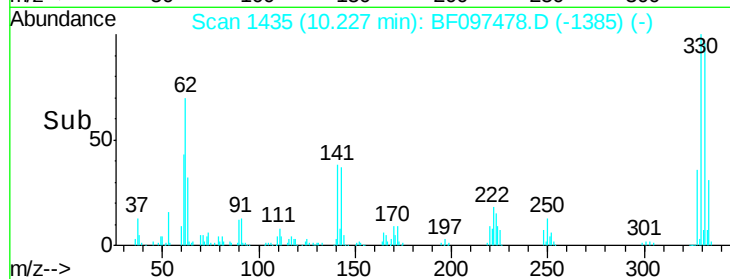
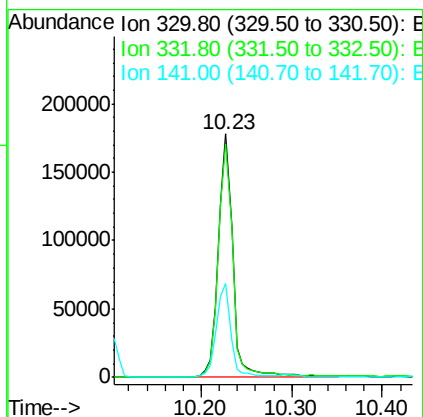
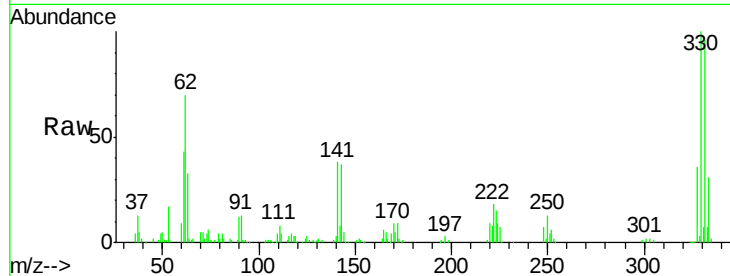




#41  
 2,4,6-Tribromophenol  
 Concen: 122.05 ng  
 RT: 10.23 min Scan# 1435  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

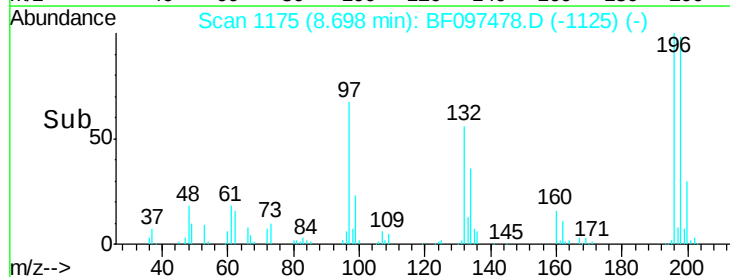
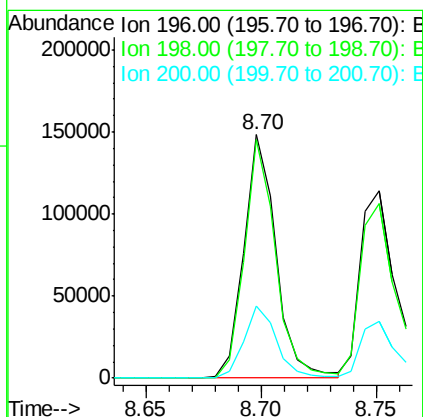
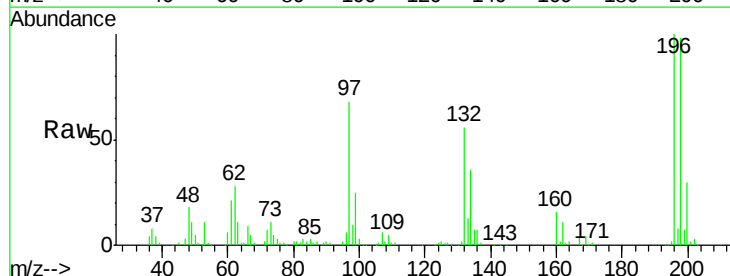
Instrument :  
 BNA\_F  
 ClientSampleId :

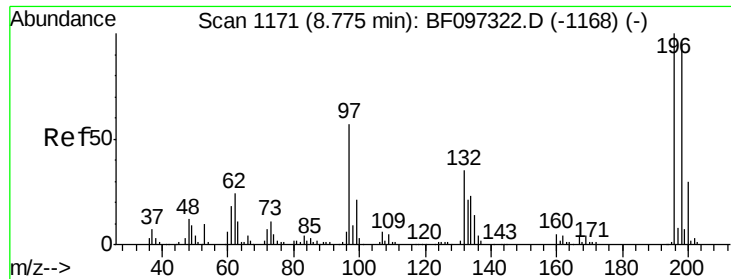
Tot Ion:330 Resp: 197510  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 76.6 115.0  
 141 38.5 31.4 47.2



#42  
 2,4,6-Trichlorophenol  
 Concen: 36.57 ng  
 RT: 8.70 min Scan# 1175  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Tgt Ion:196 Resp: 144838  
 Ion Ratio Lower Upper  
 196 100  
 198 97.8 74.2 111.4  
 200 29.8 24.0 36.0

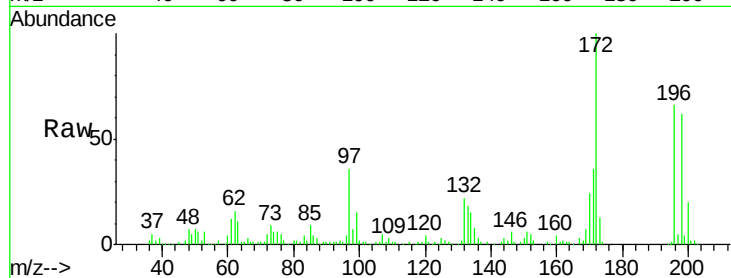




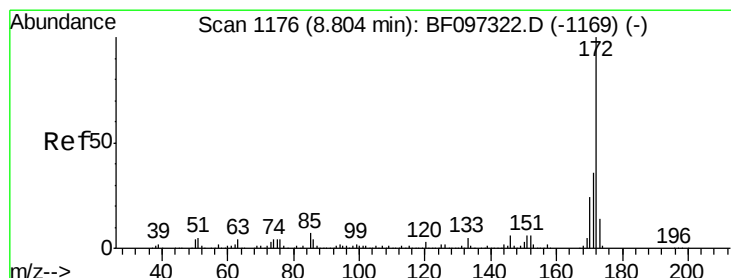
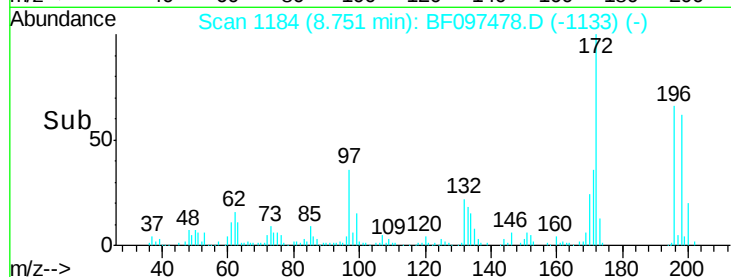
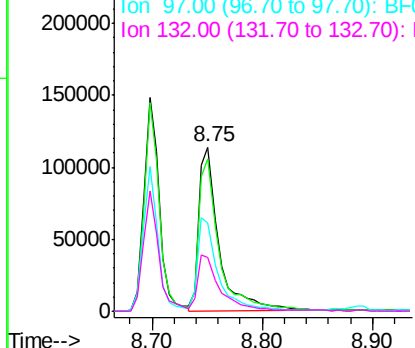
#43  
 2,4,5-Trichlorophenol  
 Concen: 35.41 ng  
 RT: 8.75 min Scan# 1184  
 Delta R.T. 0.00 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:196 Resp: 140379  
 Ion Ratio Lower Upper  
 196 100  
 198 93.1 75.7 113.5  
 97 53.4 47.7 71.5  
 132 33.0 28.0 42.0

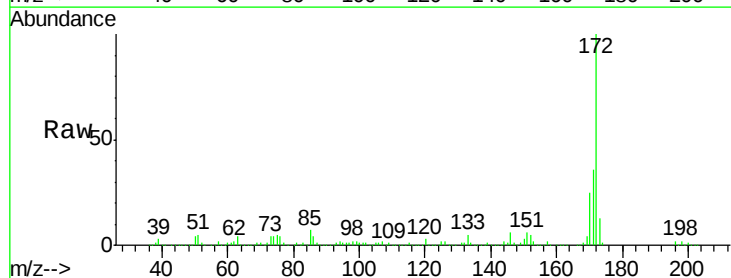


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

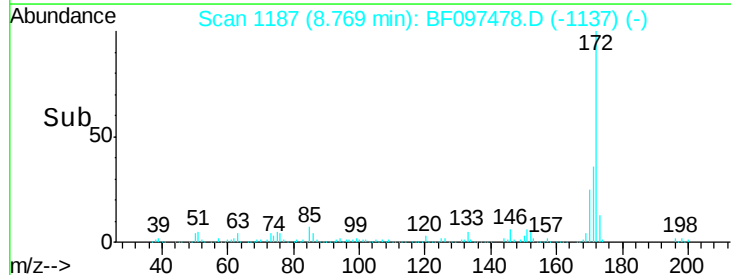
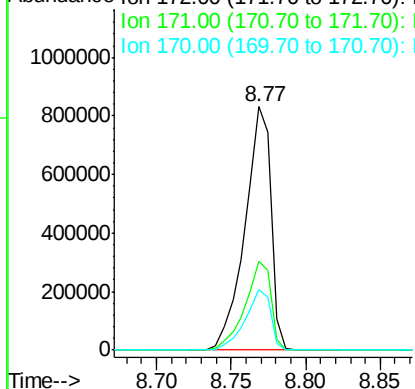


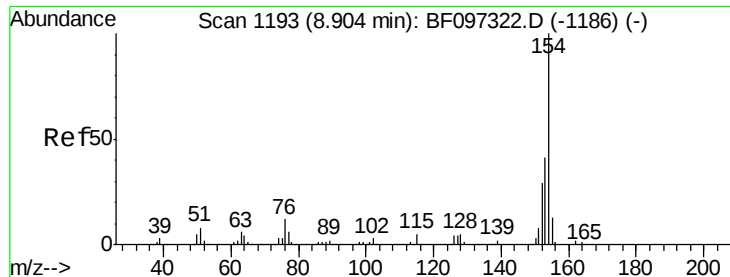
#44  
 2-Fluorobiphenyl  
 Concen: 82.46 ng  
 RT: 8.77 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Tgt Ion:172 Resp: 995200  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.6 44.4  
 170 24.6 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: 36.88 ng

RT: 8.87 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampled :

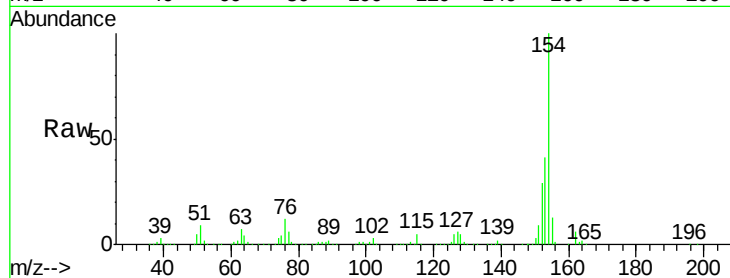
Tot Ion:154 Resp: 645133

Ion Ratio Lower Upper

154 100

153 40.7 21.2 61.2

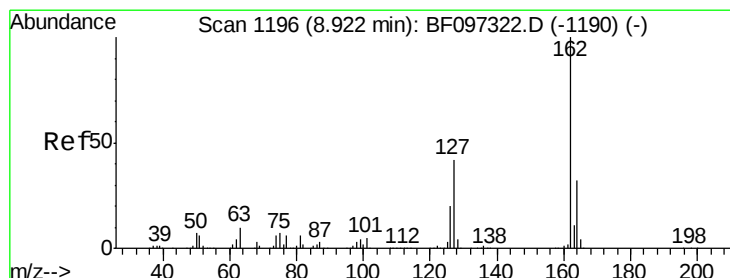
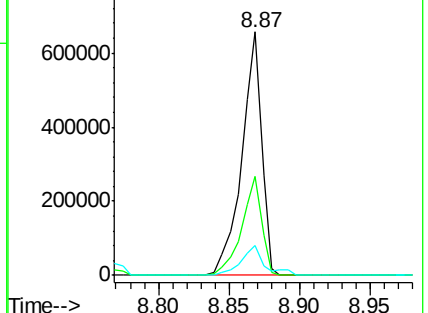
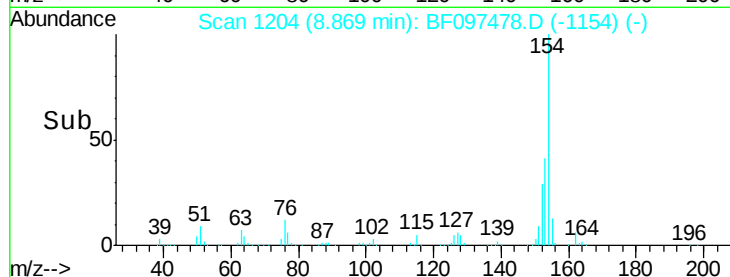
76 12.2 0.0 29.9



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: 38.85 ng

RT: 8.89 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

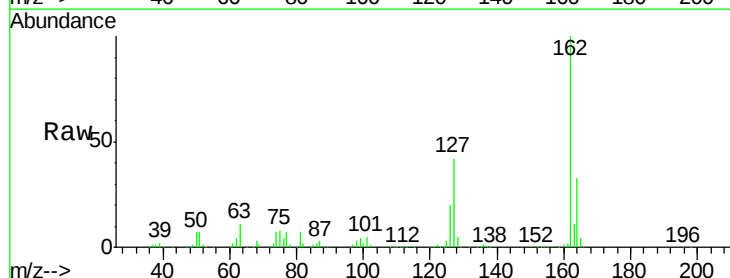
Tgt Ion:162 Resp: 500127

Ion Ratio Lower Upper

162 100

127 42.4 28.3 42.5

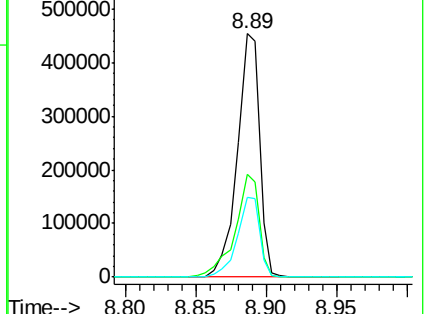
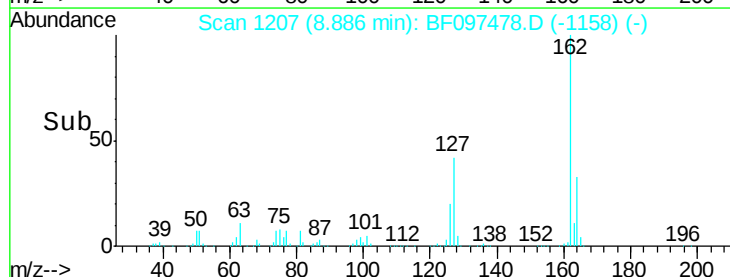
164 32.9 27.0 40.4

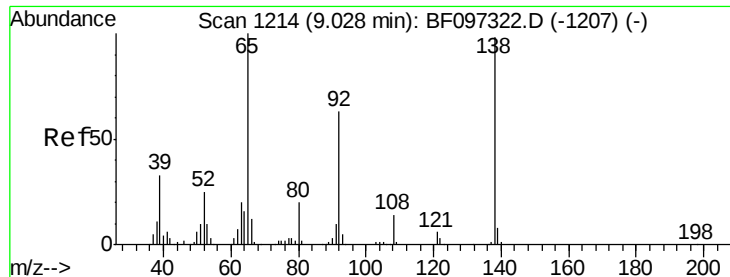


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

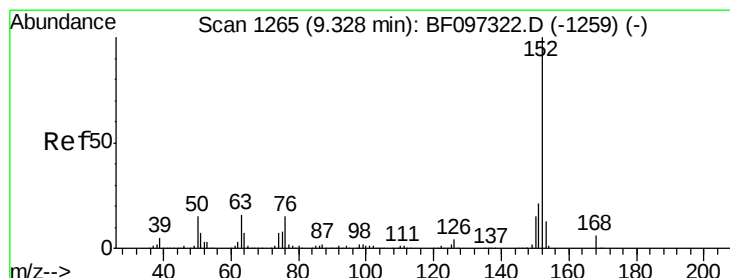
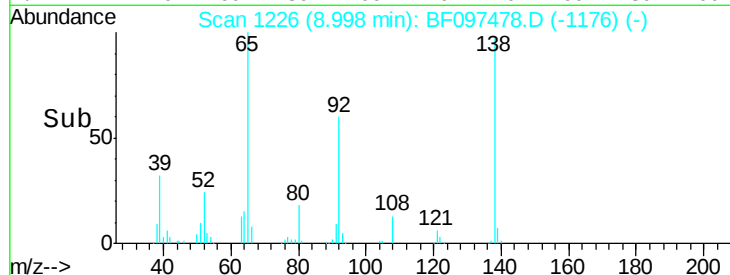
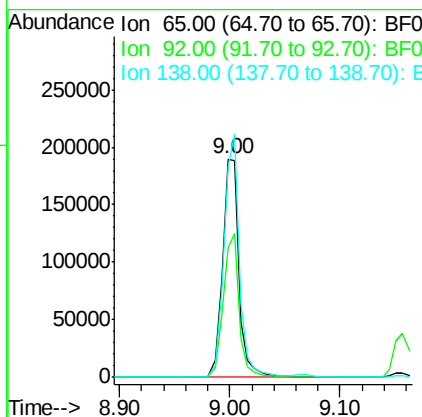
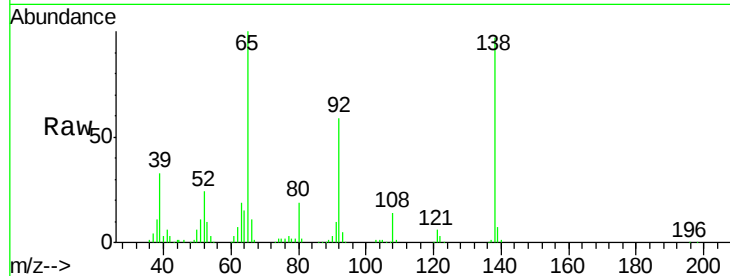




#47  
 2-Nitroaniline  
 Concen: 42.66 ng  
 RT: 9.00 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

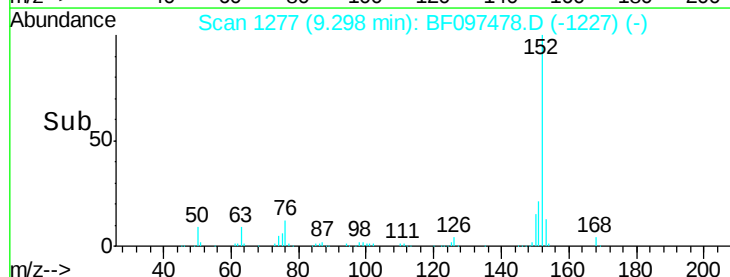
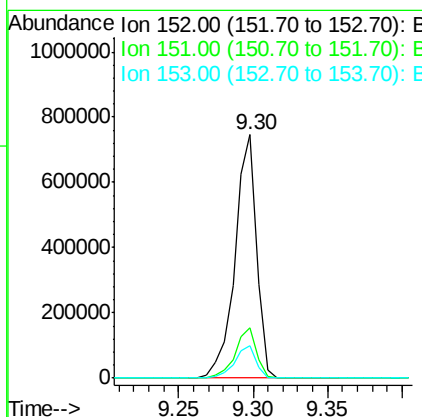
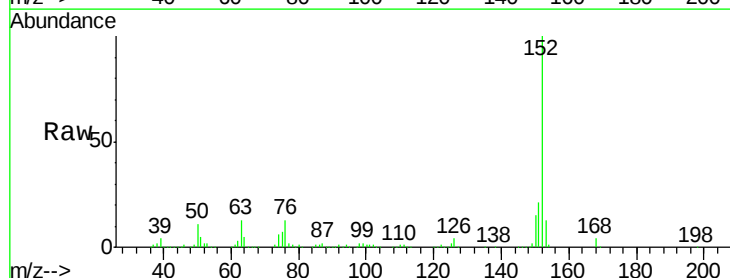
Instrument :  
 BNA\_F  
 ClientSampleId :

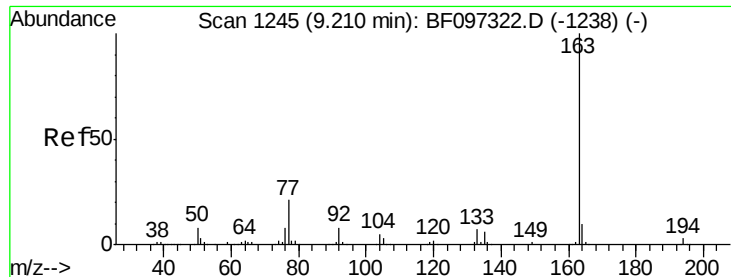
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 59.3  | 53.9  | 80.9  |
| 138     | 96.7  | 78.8  | 118.2 |



#48  
 Acenaphthylene  
 Concen: 38.26 ng  
 RT: 9.30 min Scan# 1277  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.5  | 16.8  | 25.2  |
| 153     | 13.2  | 10.8  | 16.2  |

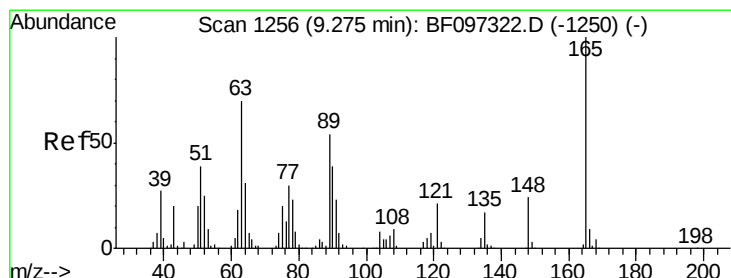
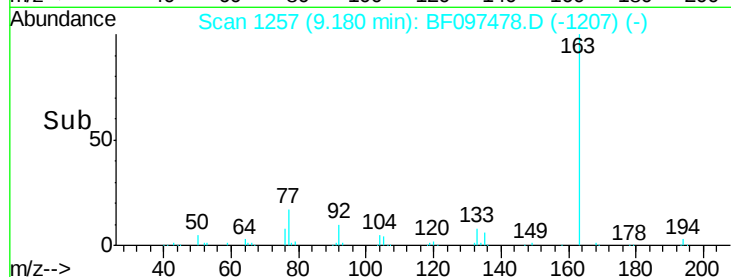
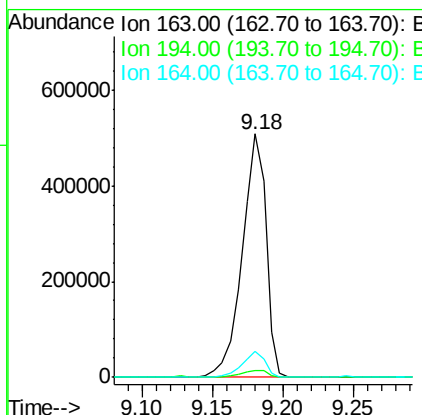
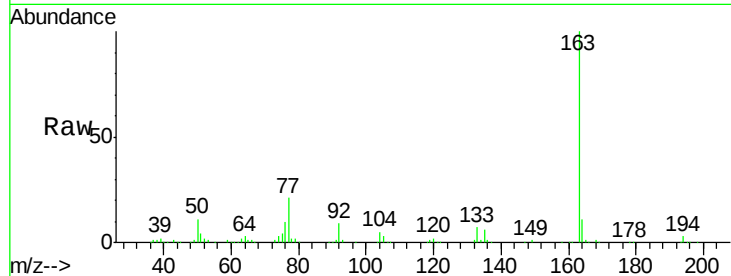




#49  
Dimethylphthalate  
Concen: 38.59 ng  
RT: 9.18 min Scan# 1257  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

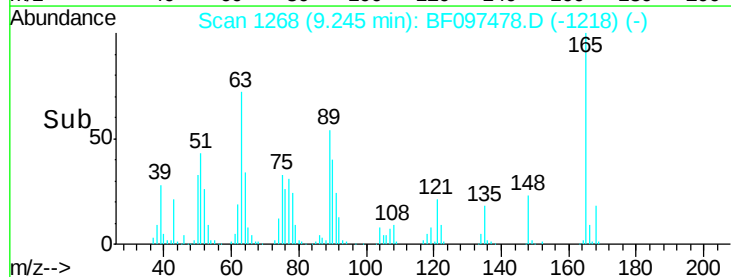
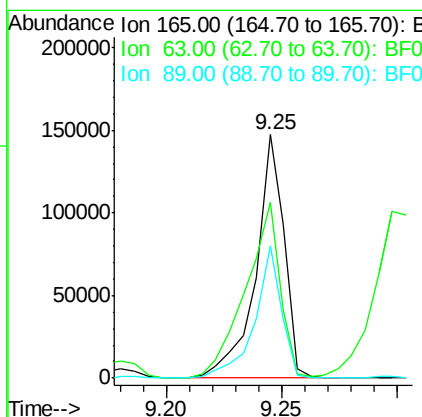
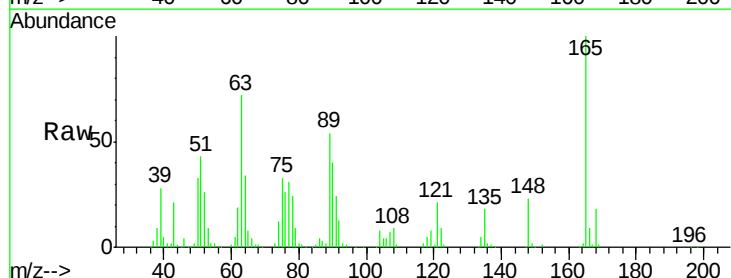
Instrument :  
BNA\_F  
ClientSampleId :

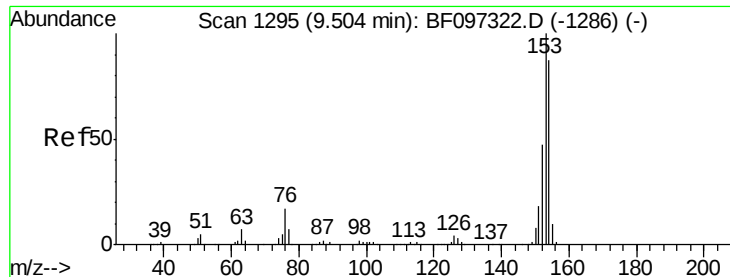
Tot Ion:163 Resp: 600237  
Ion Ratio Lower Upper  
163 100  
194 3.0 2.6 4.0  
164 10.6 8.4 12.6



#50  
2,6-Dinitrotoluene  
Concen: 38.32 ng  
RT: 9.25 min Scan# 1268  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Tgt Ion:165 Resp: 126406  
Ion Ratio Lower Upper  
165 100  
63 72.1 34.3 51.5#  
89 54.4 37.1 55.7





#51

Acenaphthene

Concen: 42.79 ng

RT: 9.47 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampleId :

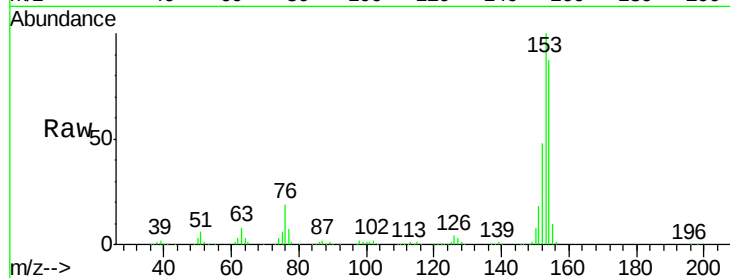
Tot Ion:154 Resp: 498109

Ion Ratio Lower Upper

154 100

153 114.9 90.5 135.7

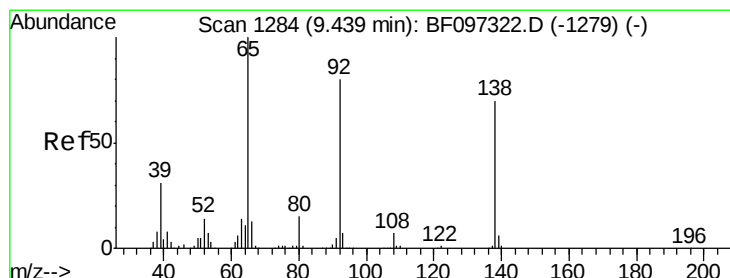
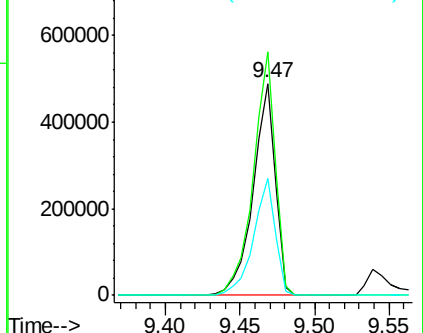
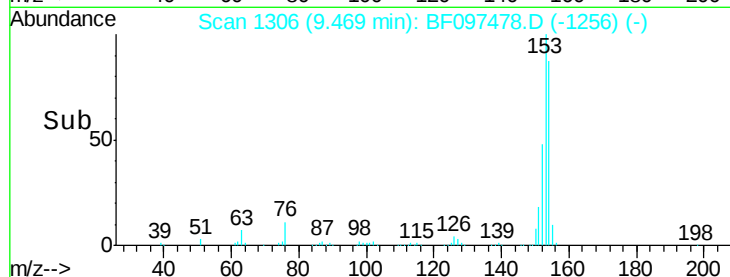
152 55.0 43.6 65.4



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: 20.64 ng

RT: 9.42 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

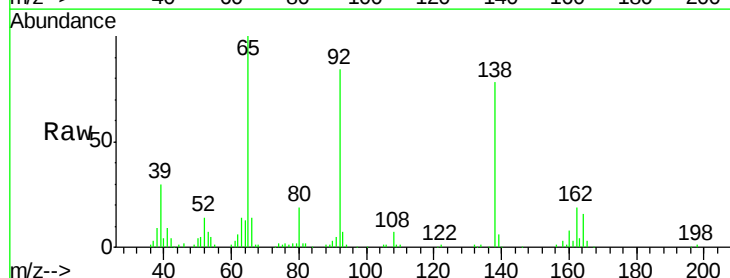
Tgt Ion:138 Resp: 84503

Ion Ratio Lower Upper

138 100

108 9.4 9.1 13.7

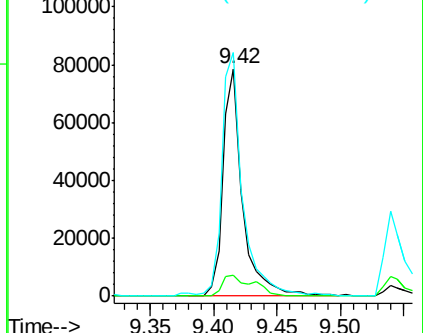
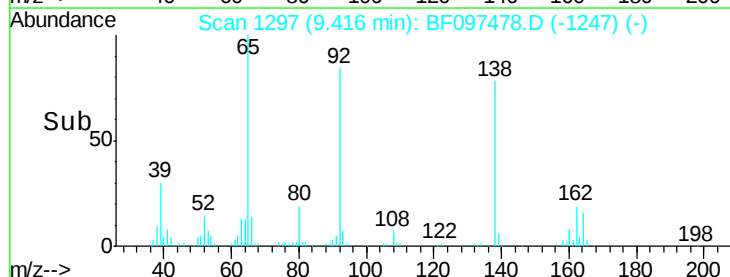
92 107.1 93.8 140.6

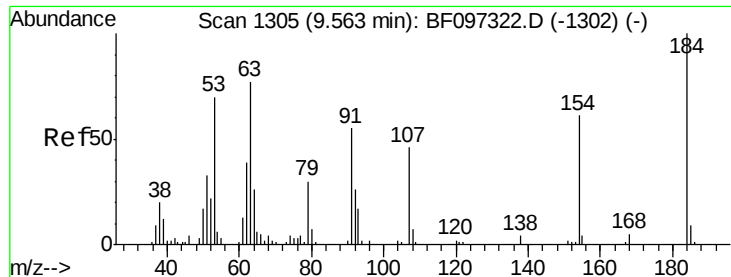


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

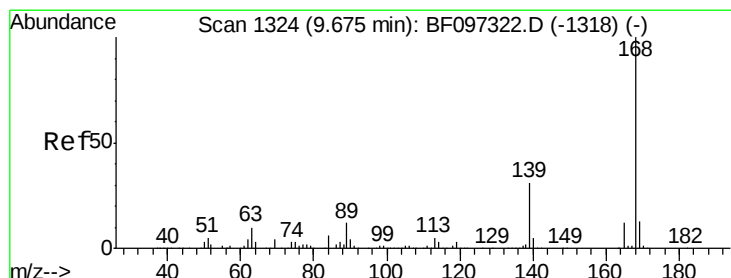
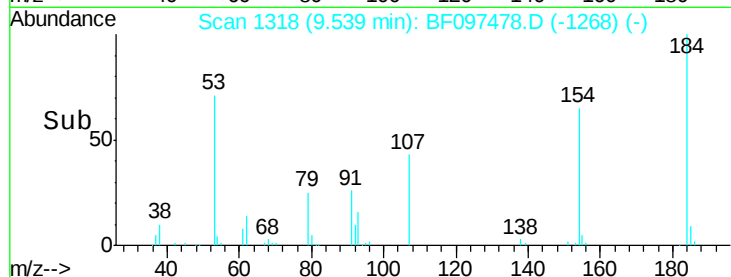
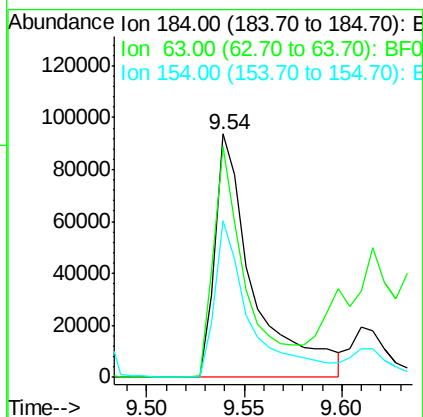
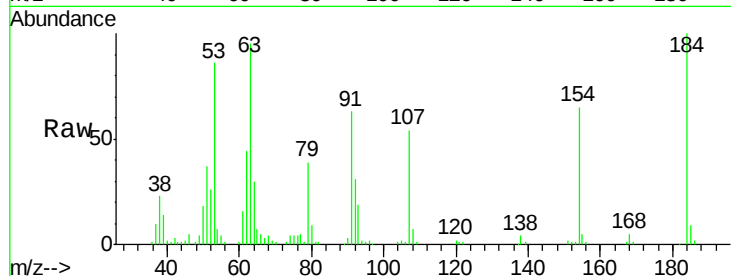




#53  
 2,4-Dinitrophenol  
 Concen: 85.97 ng  
 RT: 9.54 min Scan# 1318  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

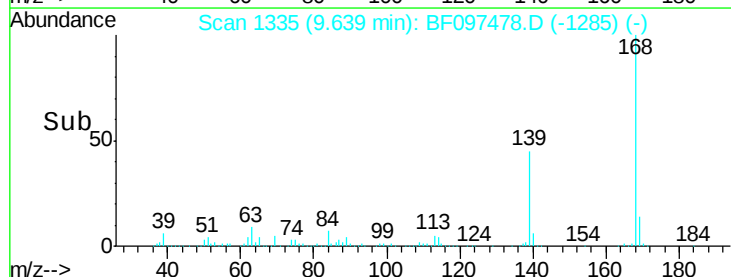
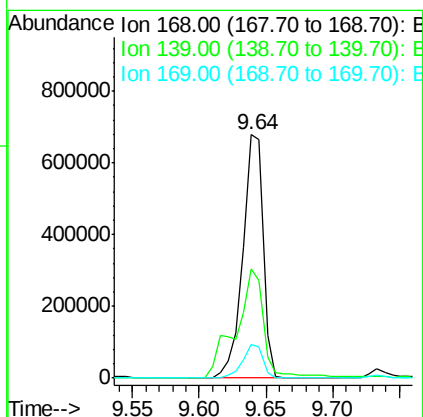
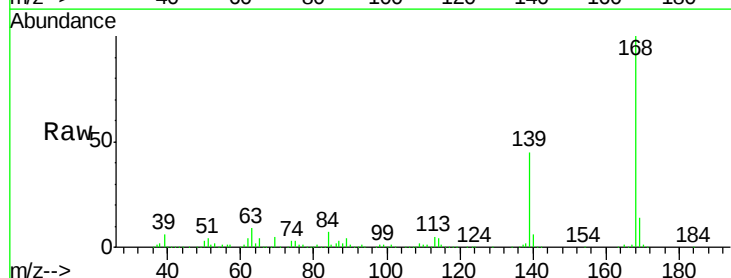
Instrument :  
 BNA\_F  
 ClientSampleId :

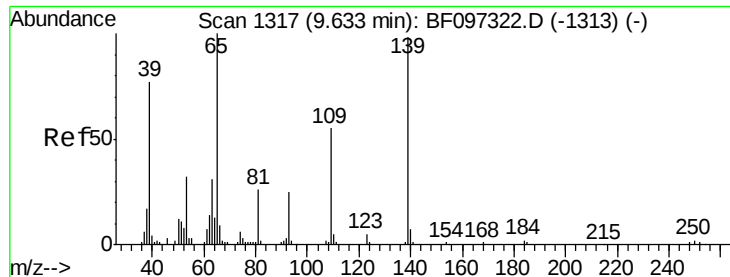
Tot Ion:184 Resp: 128953  
 Ion Ratio Lower Upper  
 184 100  
 63 94.9 62.7 94.1#  
 154 64.6 81.1 121.7#



#54  
 Dibenzofuran  
 Concen: 46.07 ng  
 RT: 9.64 min Scan# 1335  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Tgt Ion:168 Resp: 714285  
 Ion Ratio Lower Upper  
 168 100  
 139 44.7 30.6 45.8  
 169 14.0 10.8 16.2

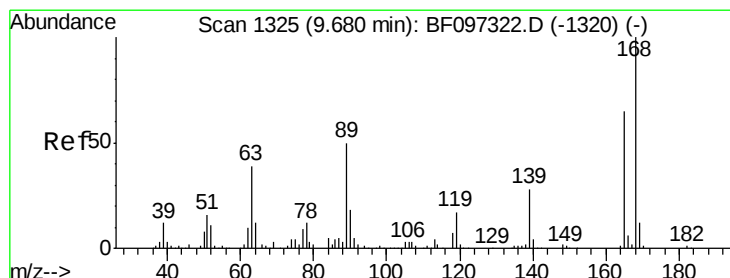
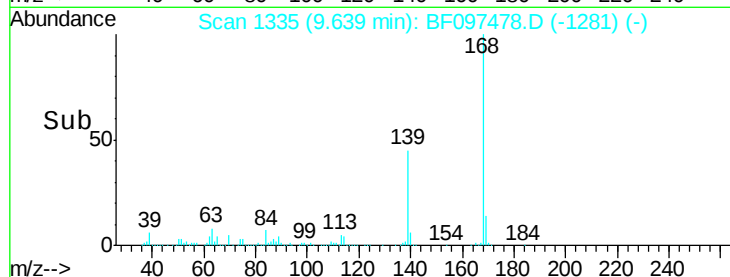
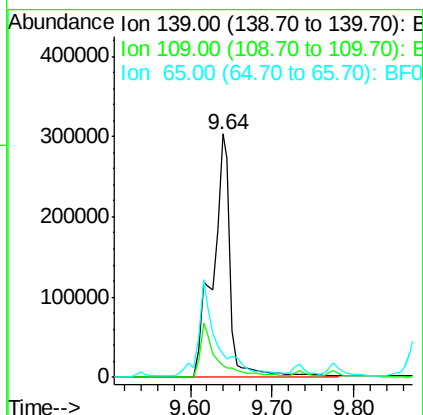
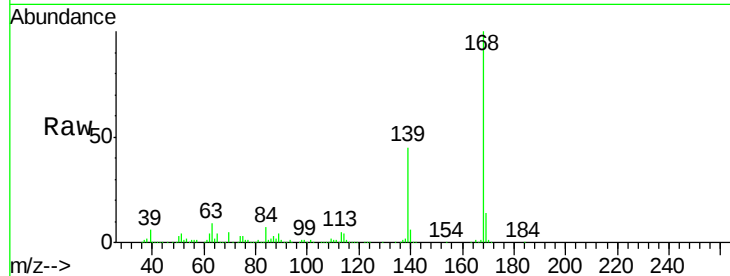




#55  
4-Nitrophenol  
Concen: 190.86 ng  
RT: 9.64 min Scan# 1335  
Delta R.T. 0.02 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

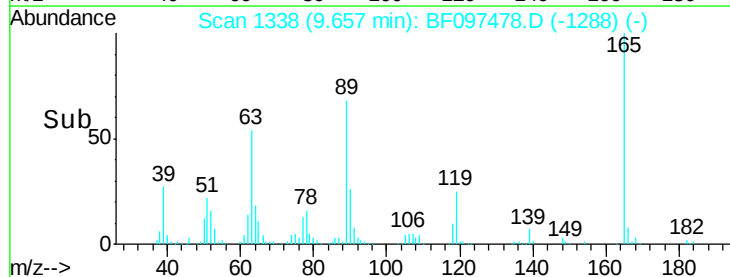
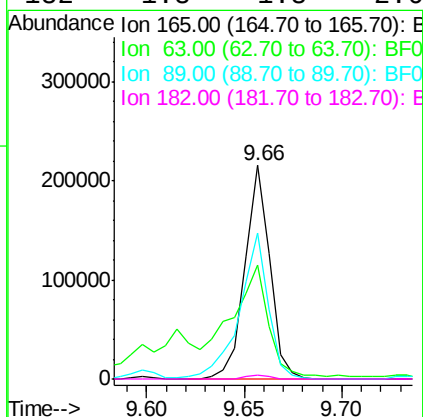
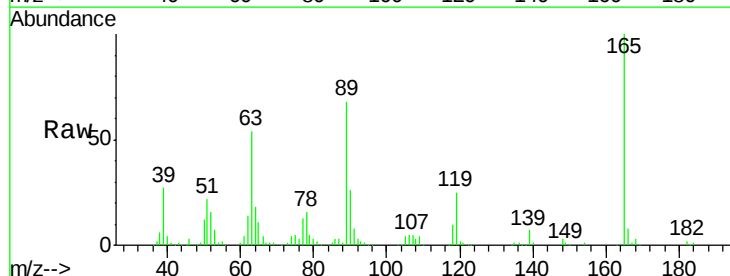
Instrument :  
BNA\_F  
ClientSampleId :

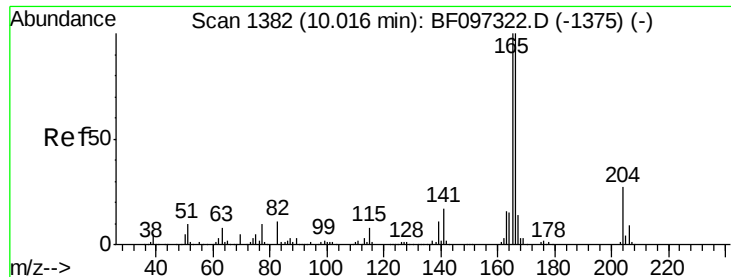
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 5.1   | 34.1  | 74.1# |
| 65      | 9.7   | 31.4  | 71.4# |



#56  
2,4-Dinitrotoluene  
Concen: 50.69 ng  
RT: 9.66 min Scan# 1338  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 53.6  | 25.4  | 38.0# |
| 89      | 68.1  | 46.4  | 69.6  |
| 182     | 1.8   | 1.8   | 2.6   |

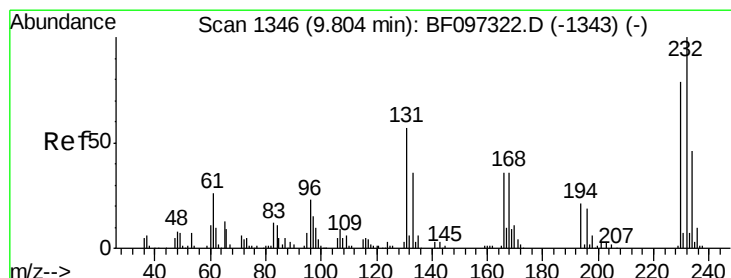
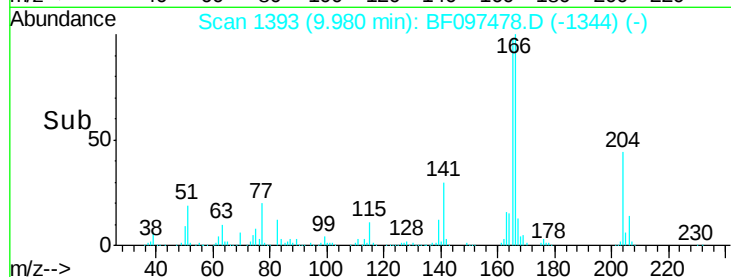
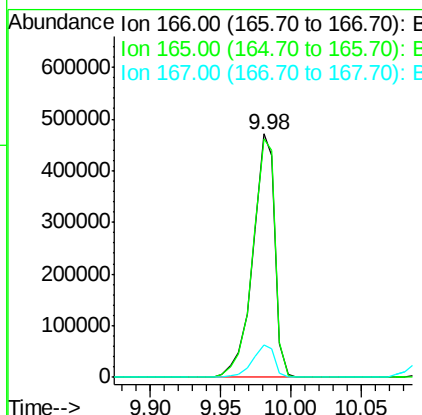
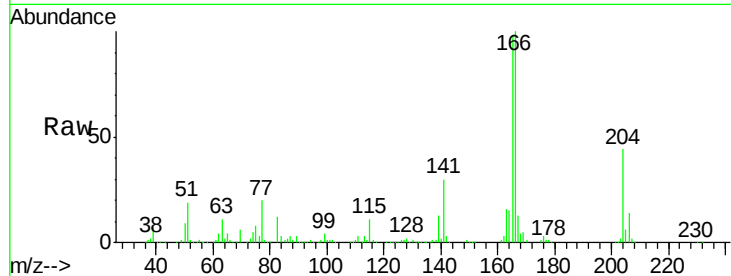




#57  
 Fluorene  
 Concen: 44.28 ng  
 RT: 9.98 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

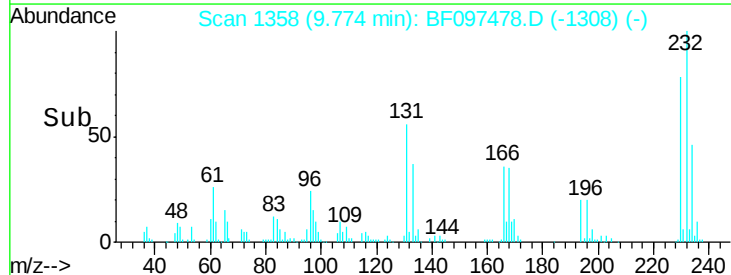
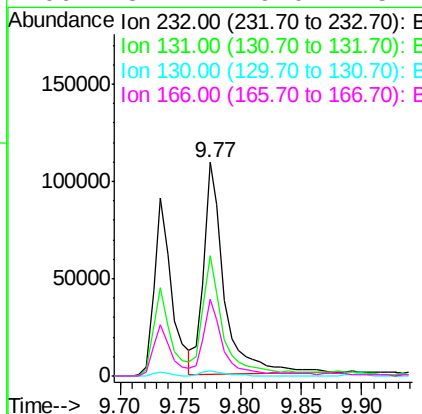
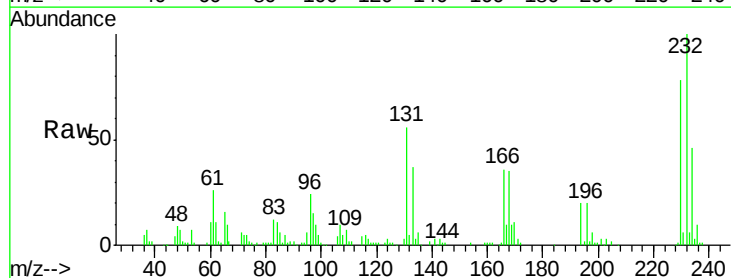
Instrument :  
 BNA\_F  
 ClientSampleId :

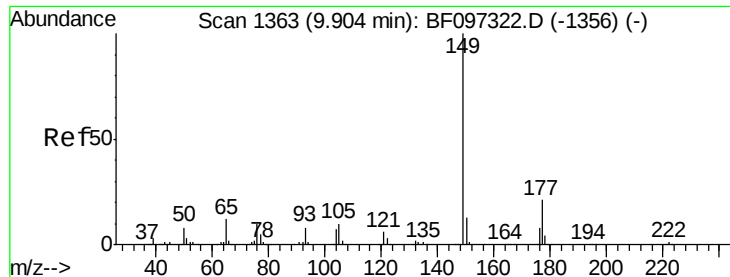
| Tot Ion   | 166   | Resp  | 515957 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 97.9  | 78.8  | 118.2  |
| 167       | 13.4  | 10.6  | 16.0   |



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 47.33 ng  
 RT: 9.77 min Scan# 1358  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

| Tgt Ion   | 232   | Resp  | 129542 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 57.1  | 44.8  | 67.2   |
| 130       | 2.6   | 2.3   | 3.5    |
| 166       | 32.2  | 29.0  | 43.4   |

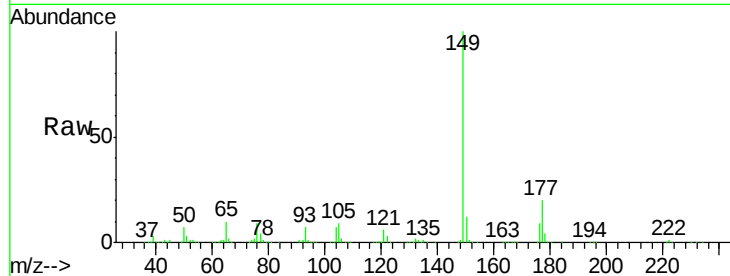




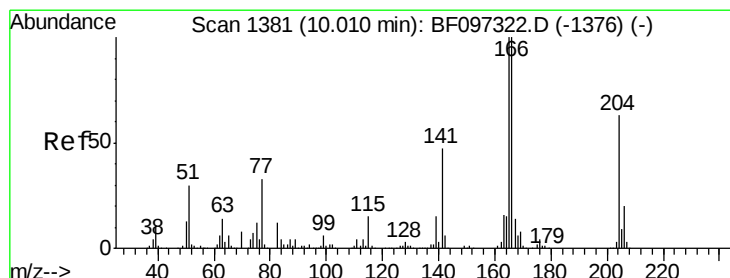
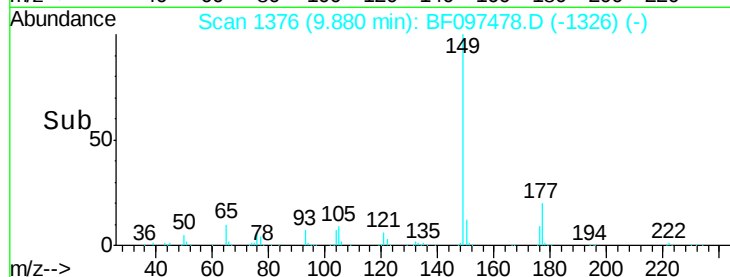
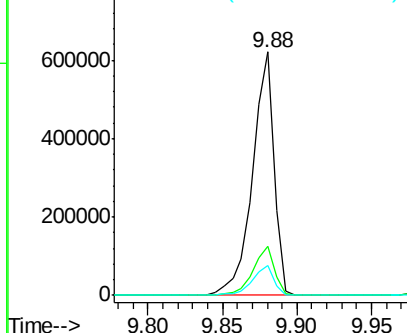
#59  
Diethylphthalate  
Concen: 43.22 ng  
RT: 9.88 min Scan# 1376  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 616744  
Ion Ratio Lower Upper  
149 100  
177 20.3 16.7 25.1  
150 12.4 10.2 15.2

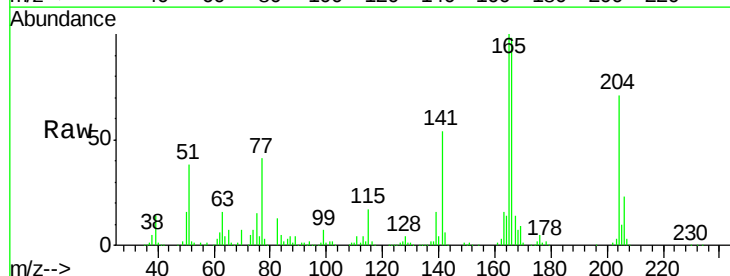


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

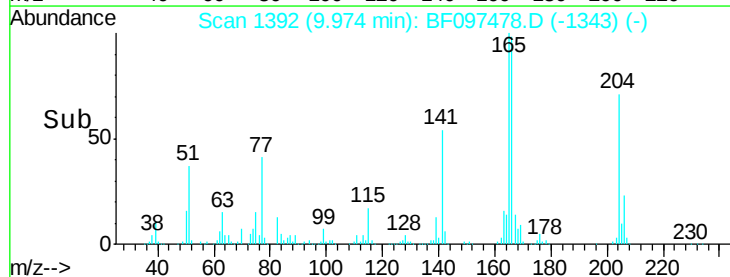
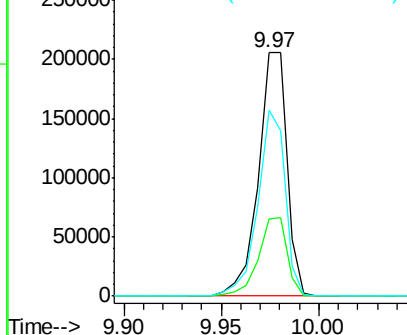


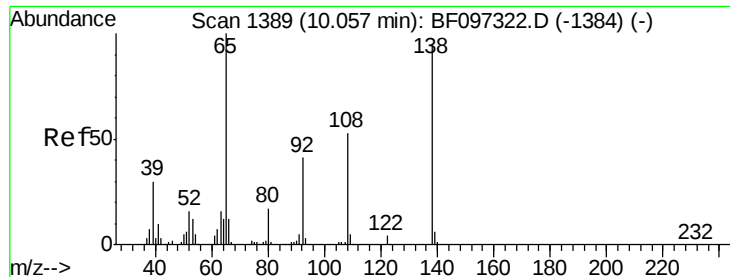
#60  
4-Chlorophenyl-phenylether  
Concen: 43.72 ng  
RT: 9.97 min Scan# 1392  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Tgt Ion:204 Resp: 210363  
Ion Ratio Lower Upper  
204 100  
206 31.9 26.2 39.2  
141 76.2 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

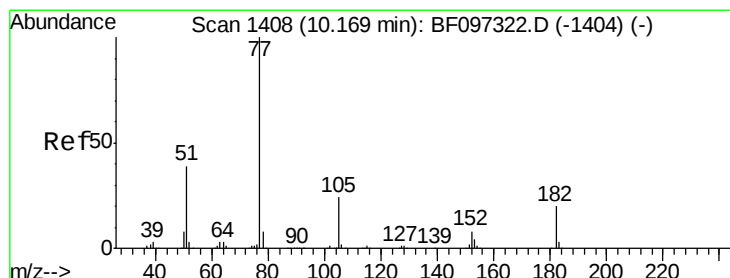
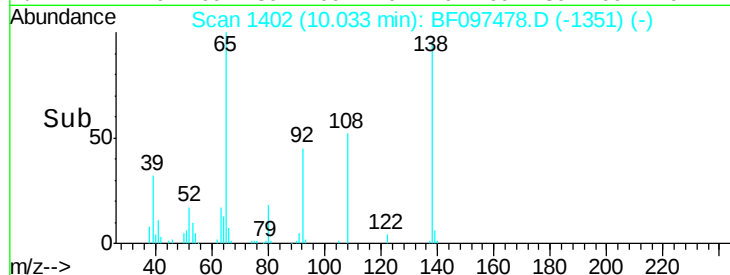
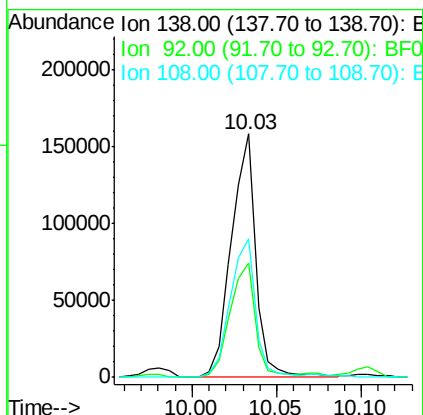
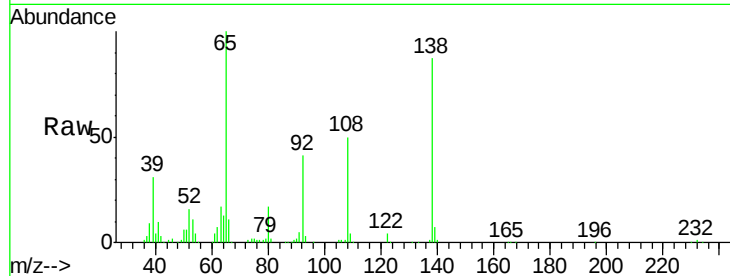




#61  
4-Nitroaniline  
Concen: 41.02 ng  
RT: 10.03 min Scan# 1402  
Delta R.T. 0.00 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

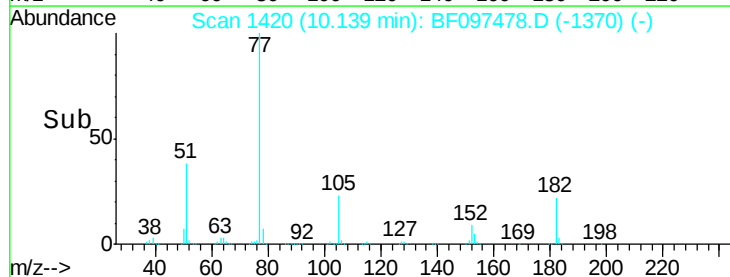
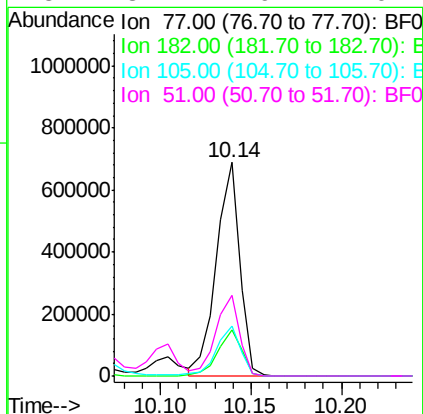
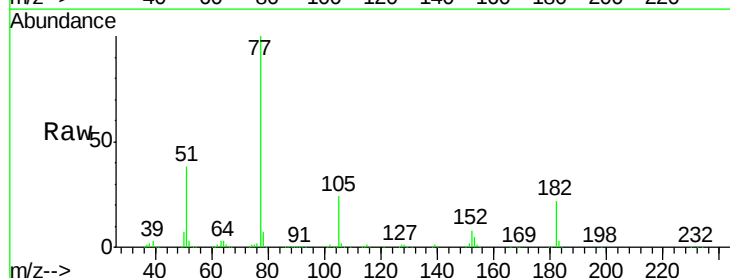
Instrument :  
BNA\_F  
ClientSampled :

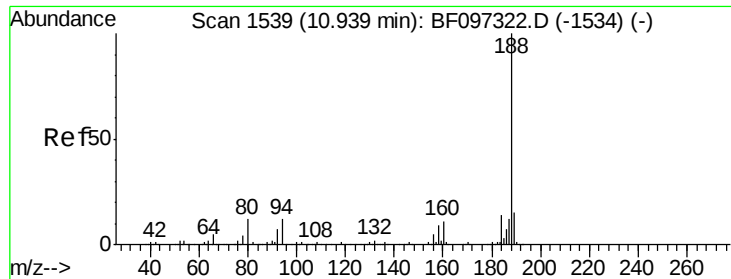
Tot Ion:138 Resp: 159574  
Ion Ratio Lower Upper  
138 100  
92 47.0 21.8 61.8  
108 57.0 42.3 82.3



#62  
Azobenzene  
Concen: 46.67 ng  
RT: 10.14 min Scan# 1420  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Tgt Ion: 77 Resp: 617800  
Ion Ratio Lower Upper  
77 100  
182 21.7 0.1 40.1  
105 23.5 3.6 43.6  
51 37.7 9.4 49.4

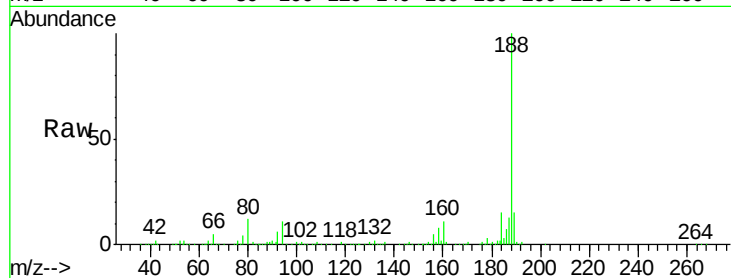




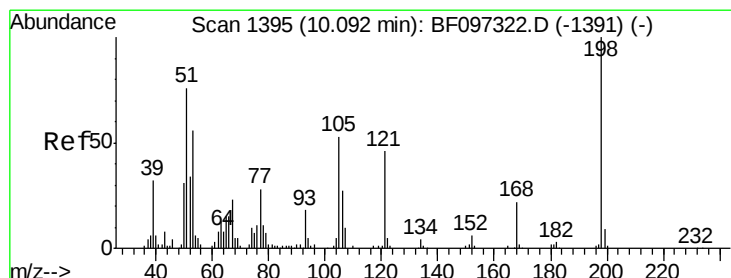
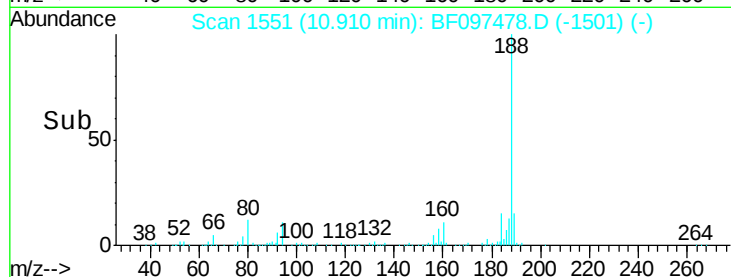
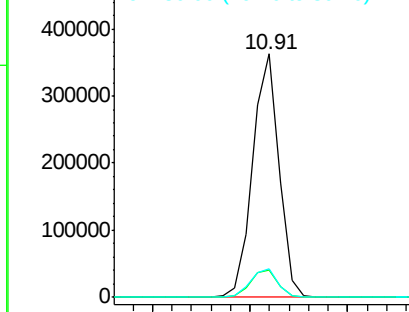
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.91 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:188 Resp: 339159  
Ion Ratio Lower Upper  
188 100  
94 11.1 9.4 14.2  
80 11.6 10.2 15.2

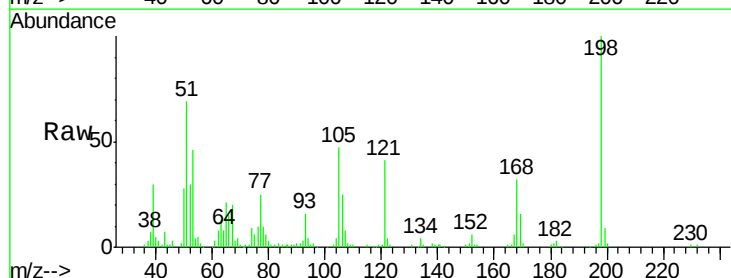


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

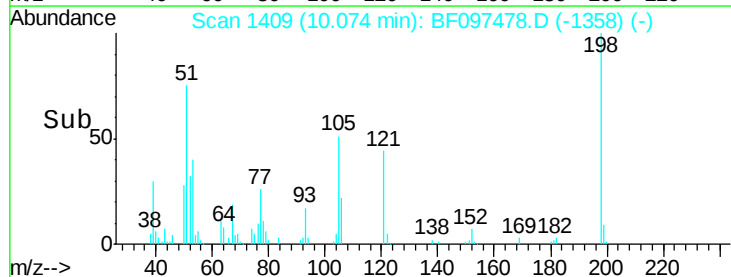
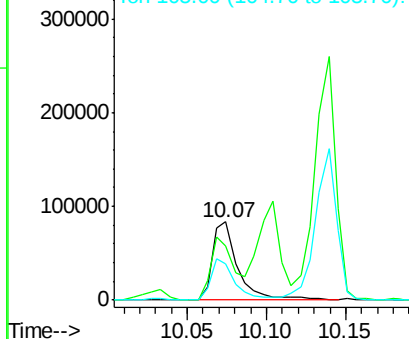


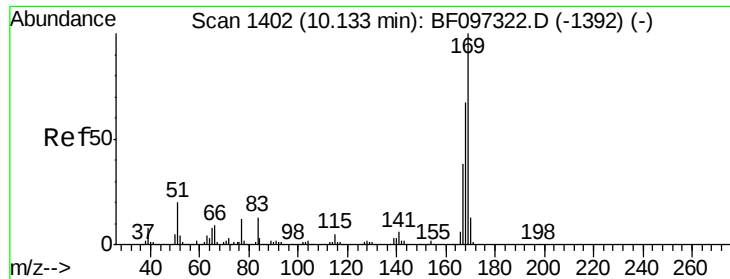
#64  
4,6-Dinitro-2-methylphenol  
Concen: 44.53 ng  
RT: 10.07 min Scan# 1409  
Delta R.T. 0.00 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Tgt Ion:198 Resp: 93841  
Ion Ratio Lower Upper  
198 100  
51 69.5 53.2 93.2  
105 46.6 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

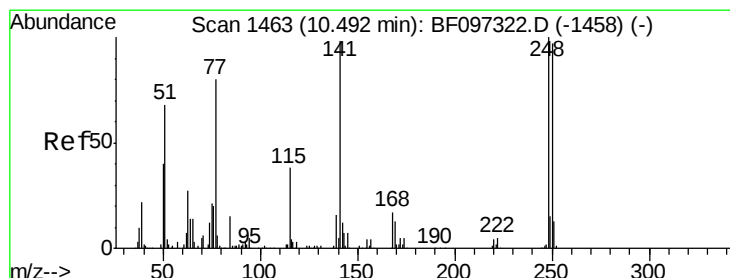
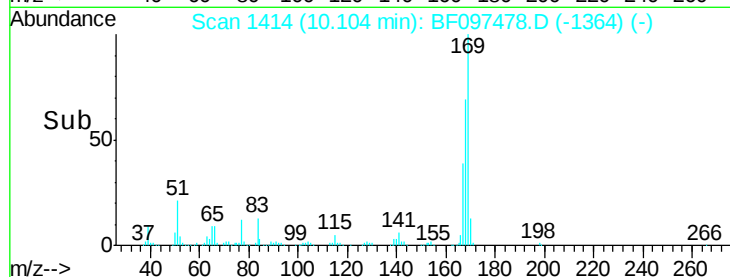
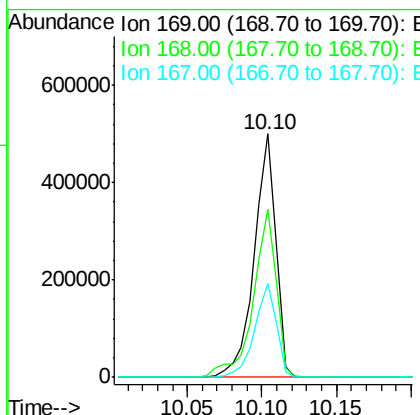
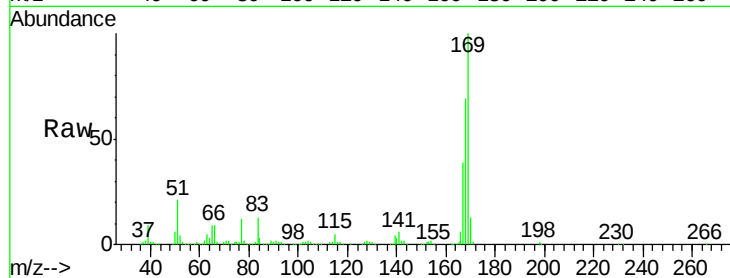




#65  
 n-Nitrosodiphenylamine  
 Concen: 42.21 ng  
 RT: 10.10 min Scan# 1414  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

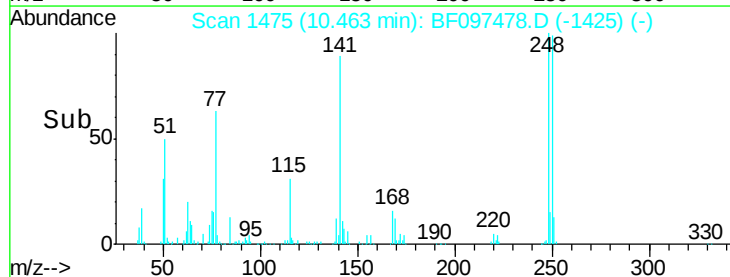
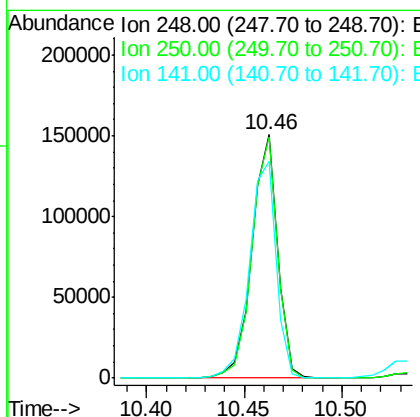
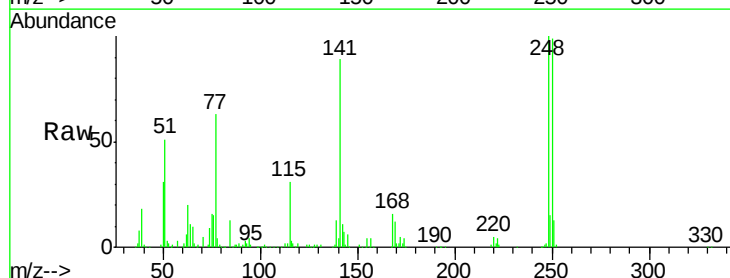
Instrument :  
 BNA\_F  
 ClientSampleId :

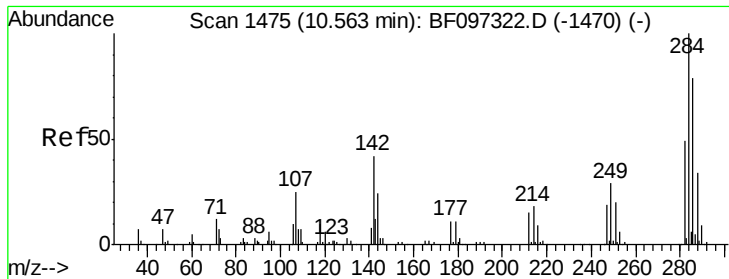
Tot Ion:169 Resp: 498078  
 Ion Ratio Lower Upper  
 169 100  
 168 69.0 53.2 79.8  
 167 38.7 29.5 44.3



#66  
 4-Bromophenyl-phenylether  
 Concen: 40.39 ng  
 RT: 10.46 min Scan# 1475  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Tgt Ion:248 Resp: 136702  
 Ion Ratio Lower Upper  
 248 100  
 250 99.0 76.8 115.2  
 141 89.0 68.6 103.0

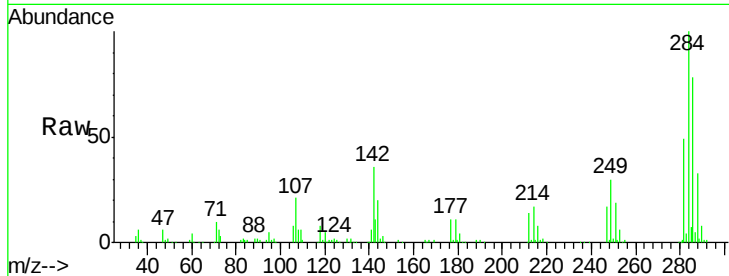




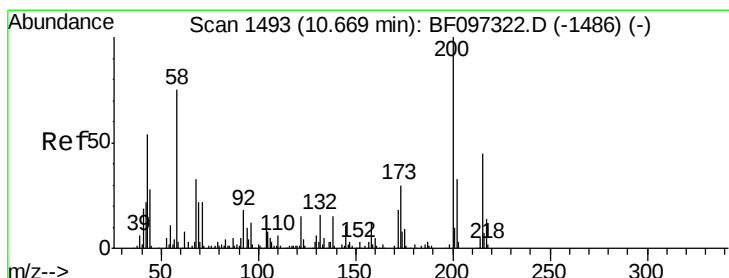
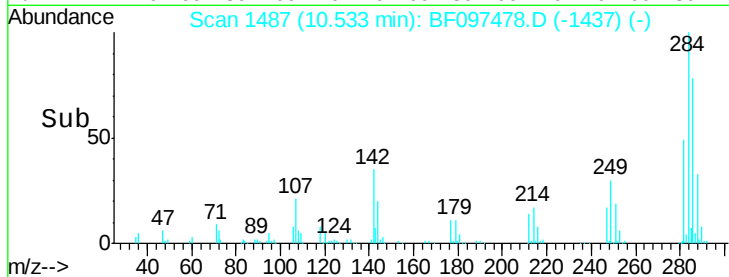
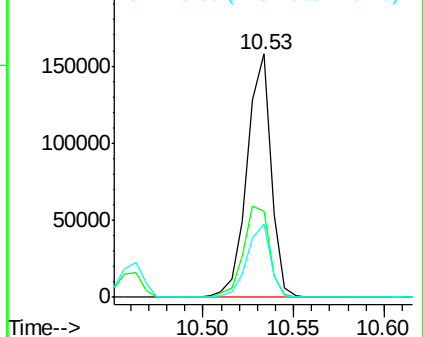
#67  
Hexachlorobenzene  
Concen: 38.45 ng  
RT: 10.53 min Scan# 1487  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 35.6  | 22.8  | 34.2# |
| 249     | 30.3  | 24.0  | 36.0  |

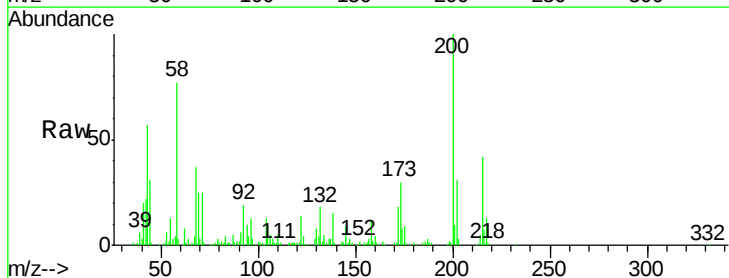


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

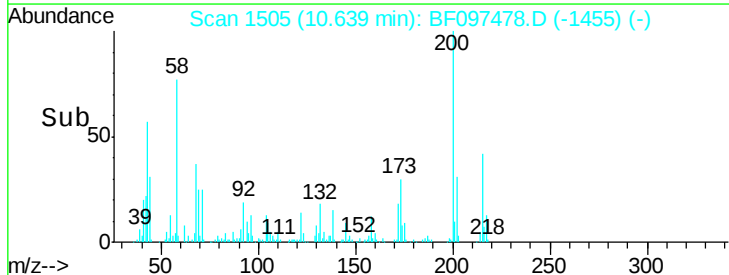
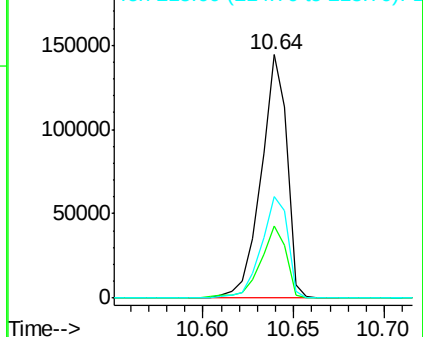


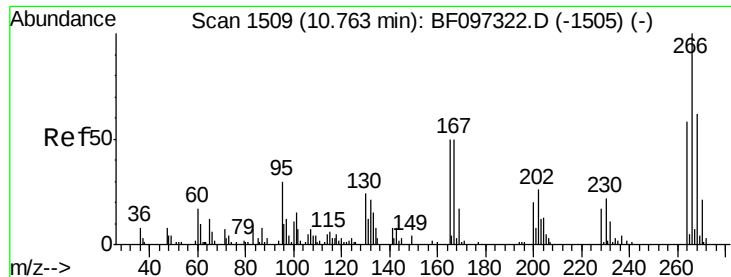
#68  
Atrazine  
Concen: 42.32 ng  
RT: 10.64 min Scan# 1505  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 29.7  | 6.3   | 46.3  |
| 215     | 41.8  | 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

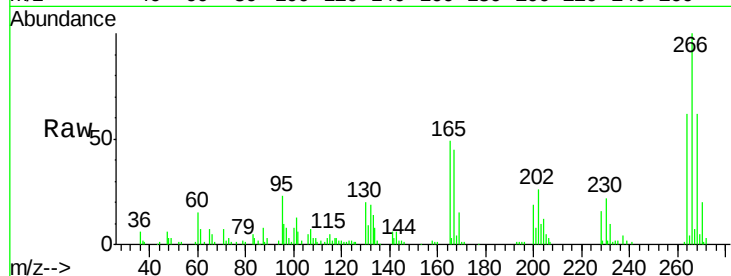




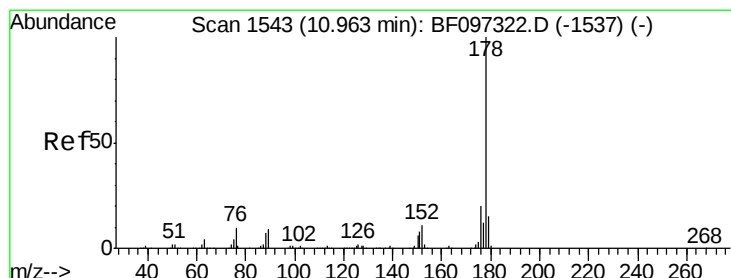
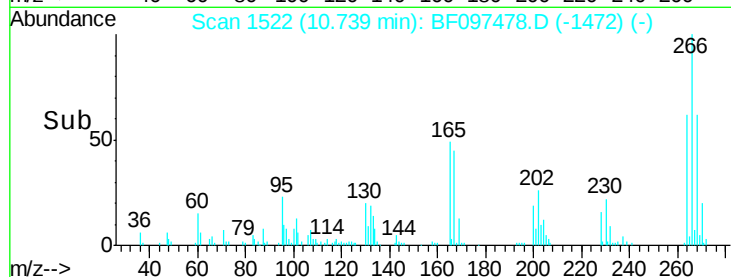
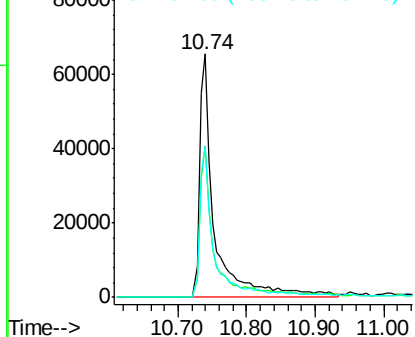
#69  
 Pentachlorophenol  
 Concen: 64.19 ng  
 RT: 10.74 min Scan# 1522  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:266 Resp: 100807  
 Ion Ratio Lower Upper  
 266 100  
 268 62.4 51.1 76.7  
 264 62.2 51.7 77.5

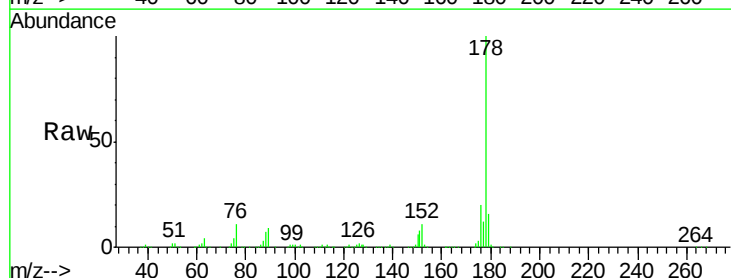


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

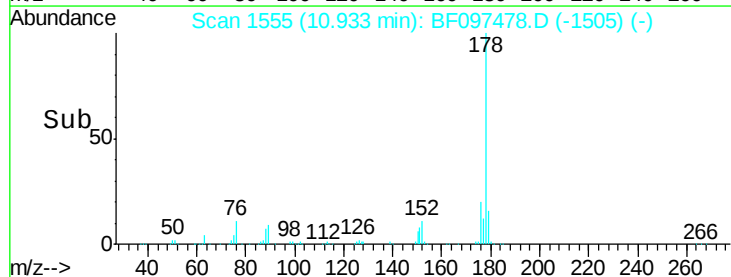
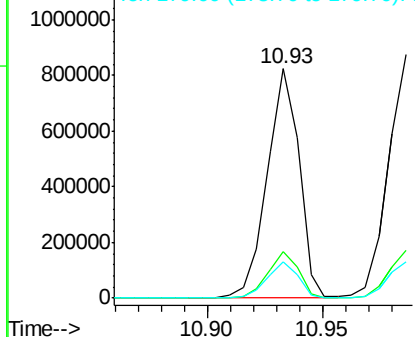


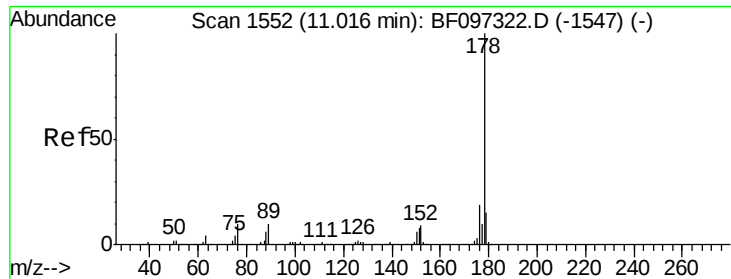
#70  
 Phenanthrene  
 Concen: 43.64 ng  
 RT: 10.93 min Scan# 1555  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Tgt Ion:178 Resp: 793112  
 Ion Ratio Lower Upper  
 178 100  
 176 20.1 16.2 24.4  
 179 15.7 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

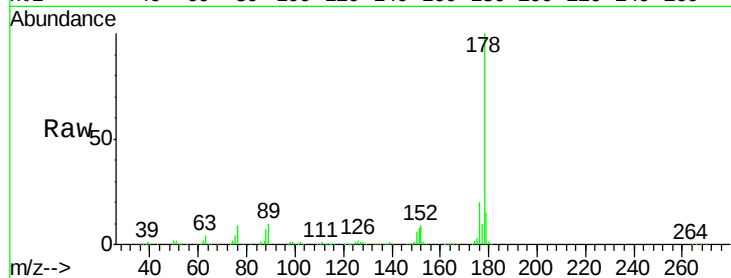




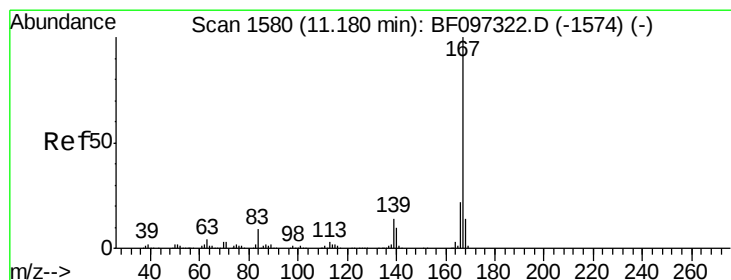
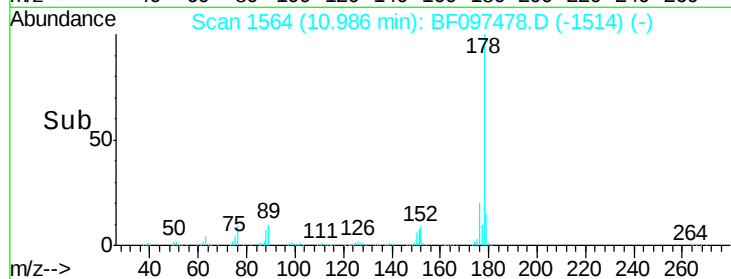
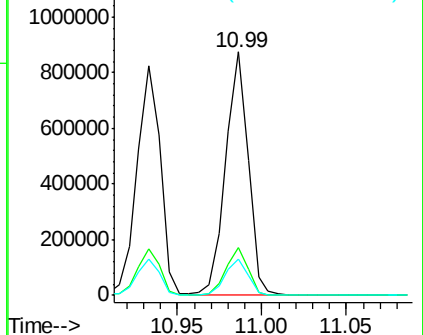
#71  
 Anthracene  
 Concen: 43.92 ng  
 RT: 10.99 min Scan# 1564  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 817519  
 Ion Ratio Lower Upper  
 178 100  
 176 19.7 15.8 23.8  
 179 14.9 12.7 19.1

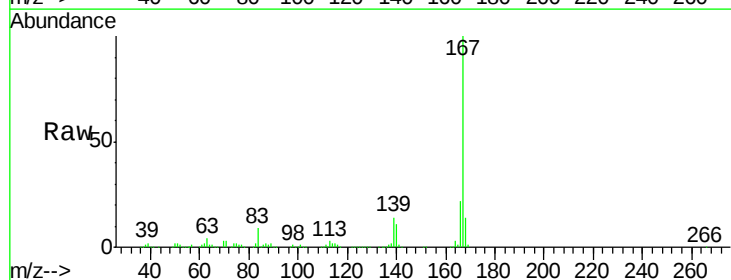


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

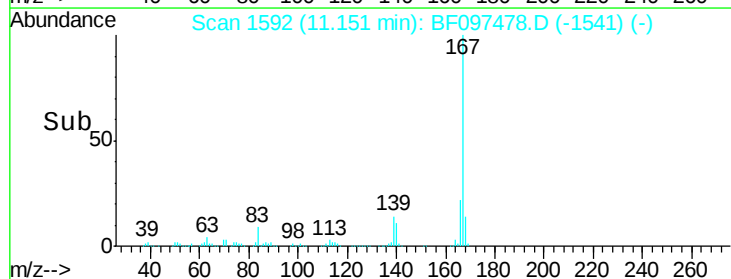
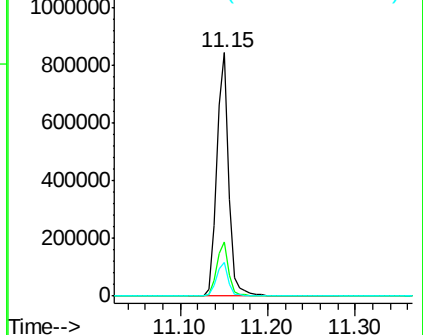


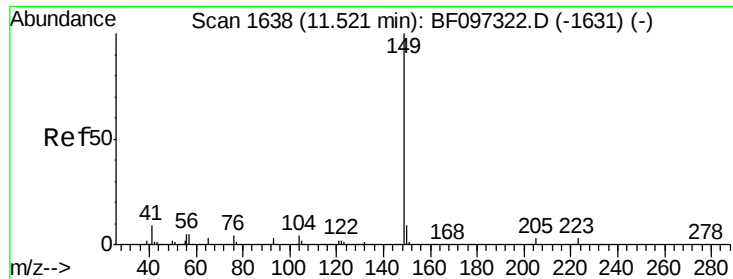
#72  
 Carbazole  
 Concen: 43.61 ng  
 RT: 11.15 min Scan# 1592  
 Delta R.T. 0.00 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Tgt Ion:167 Resp: 798319  
 Ion Ratio Lower Upper  
 167 100  
 166 22.1 18.1 27.1  
 139 14.1 11.7 17.5



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





#73

Di-n-butylphthalate

Concen: 41.74 ng

RT: 11.49 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampleId :

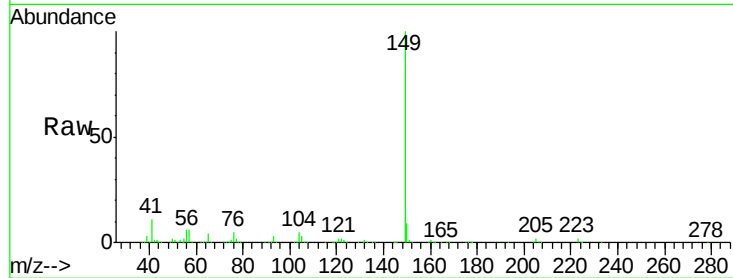
Tot Ion:149 Resp: 944359

Ion Ratio Lower Upper

149 100

150 9.3 7.7 11.5

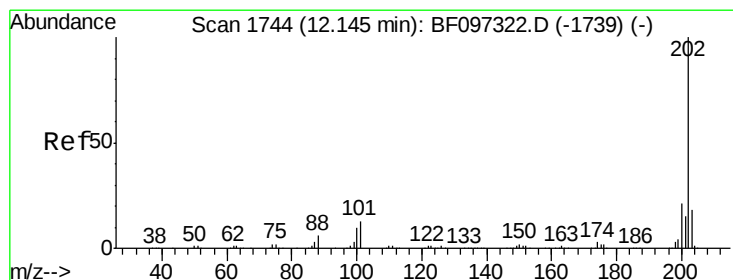
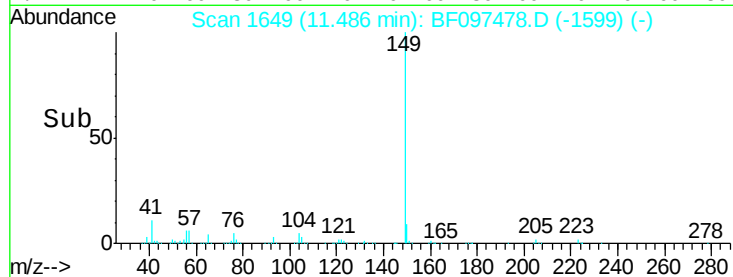
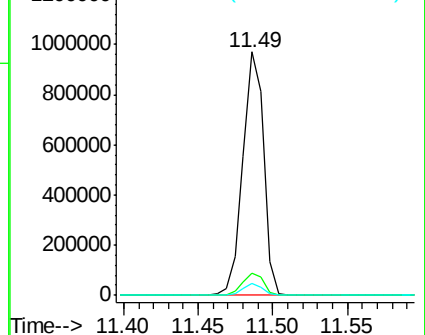
104 4.7 4.0 6.0



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: 44.09 ng

RT: 12.12 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

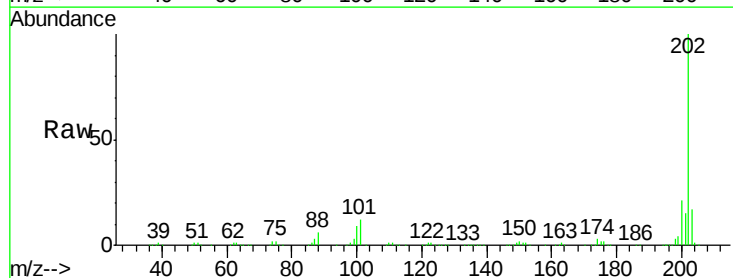
Tgt Ion:202 Resp: 784922

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.2

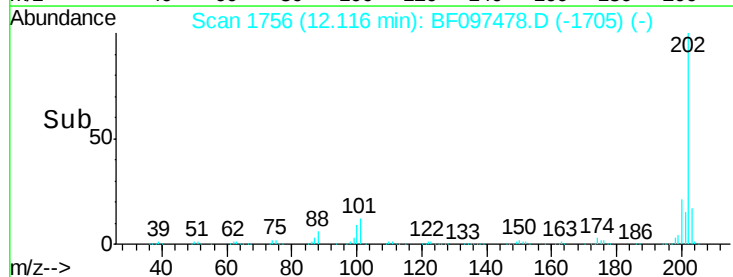
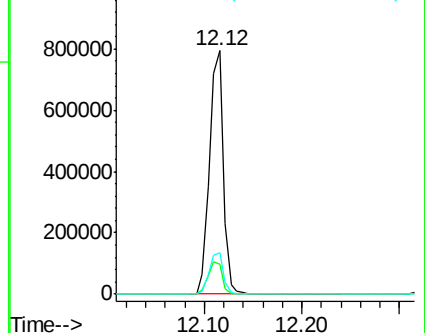
203 16.9 0.0 38.1

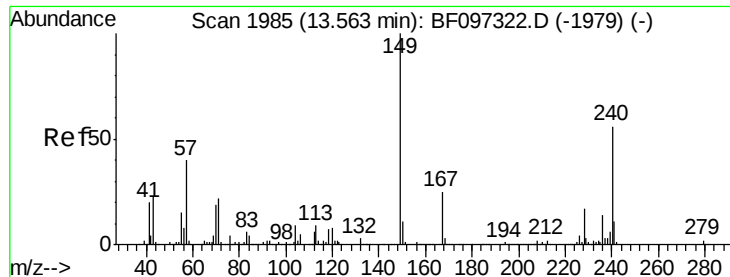


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampleId :

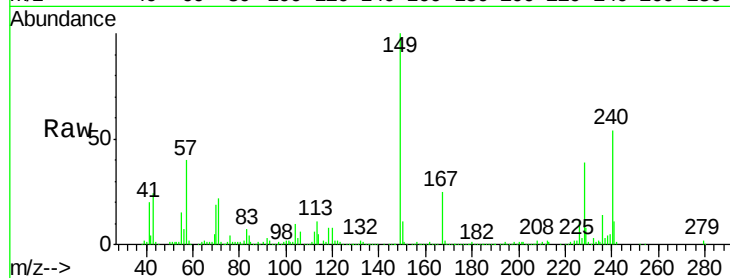
Tot Ion:240 Resp: 209584

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

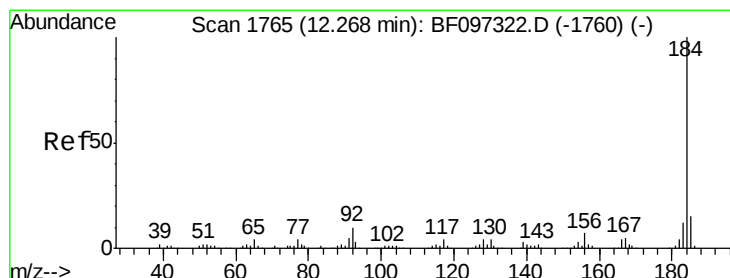
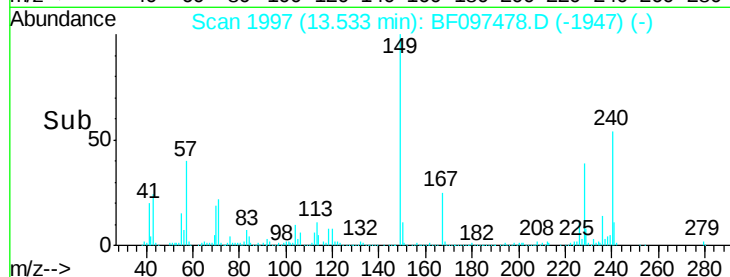
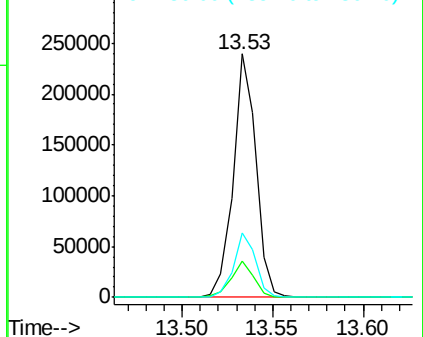
236 26.6 20.5 30.7



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: 34.24 ng

RT: 12.24 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

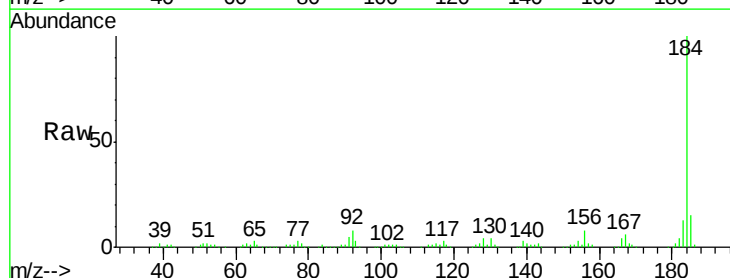
Tgt Ion:184 Resp: 266260

Ion Ratio Lower Upper

184 100

185 14.7 15.5 23.3#

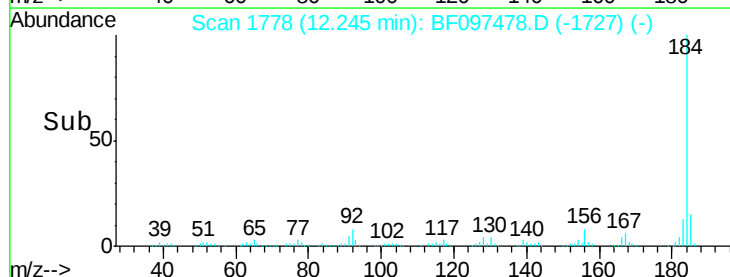
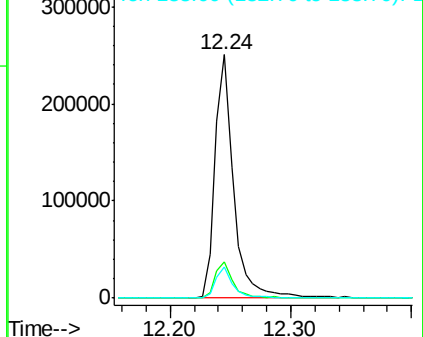
183 12.7 9.8 14.6

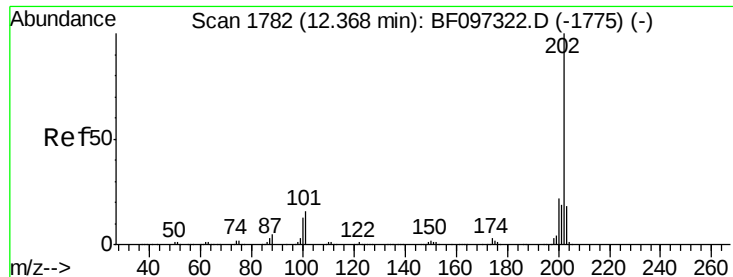


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 47.48 ng

RT: 12.34 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampleId :

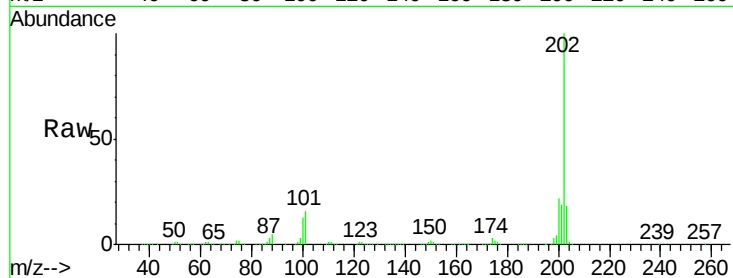
Tot Ion:202 Resp: 814670

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

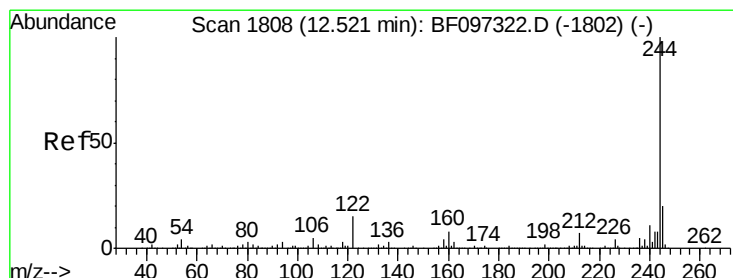
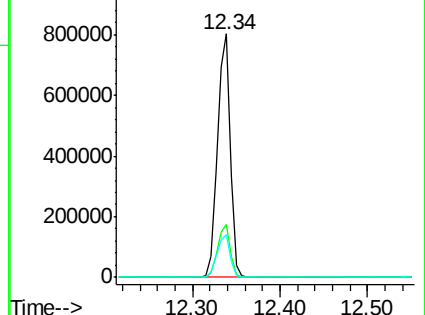
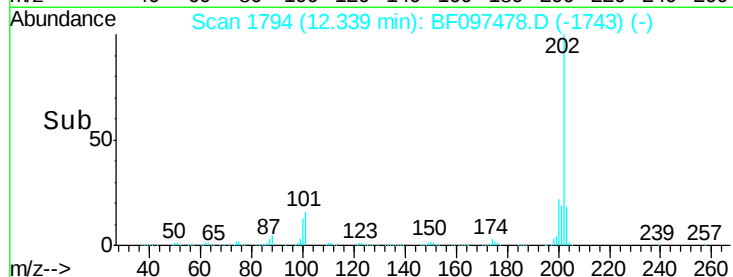
203 17.6 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 80.22 ng

RT: 12.49 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

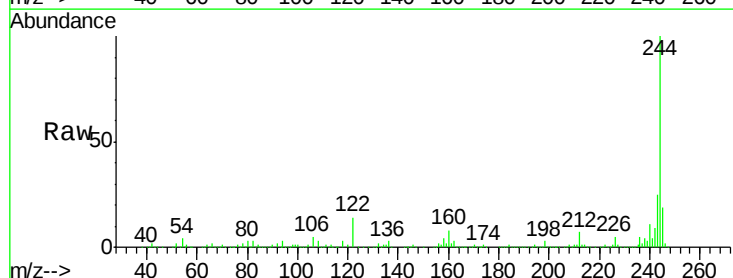
Tgt Ion:244 Resp: 824661

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

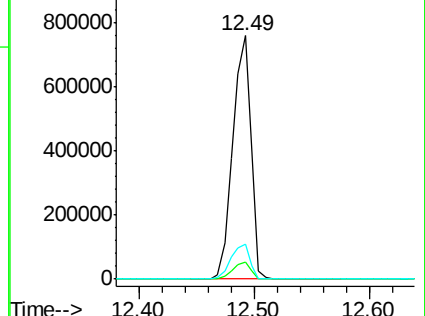
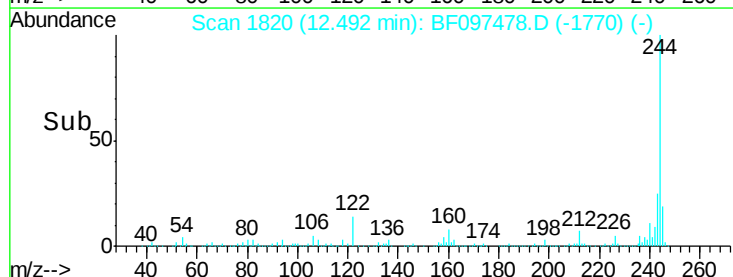
122 14.5 10.3 15.5

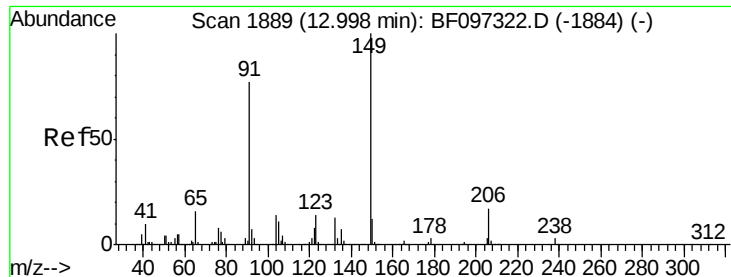


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

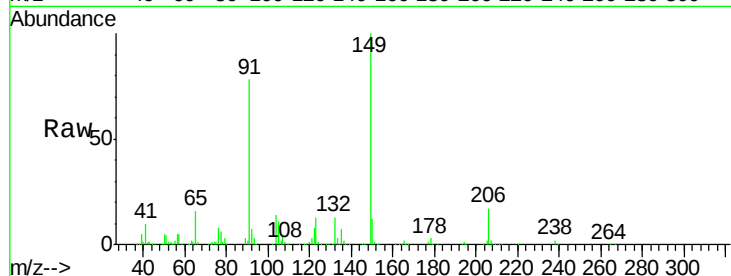




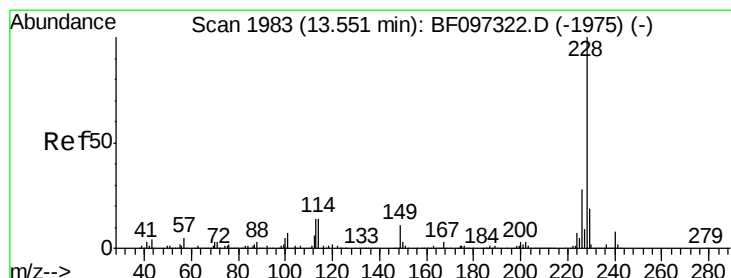
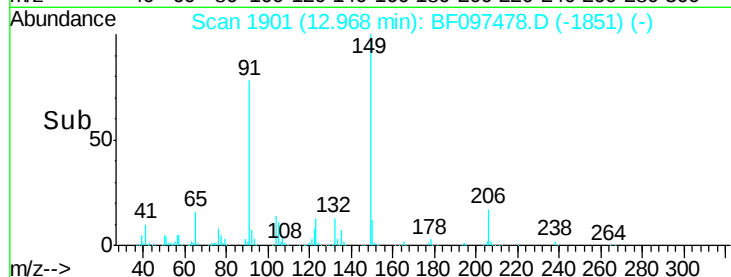
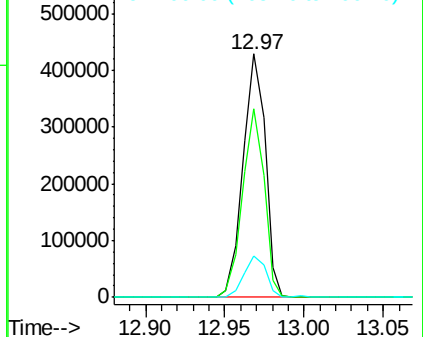
#79  
Butylbenzylphthalate  
Concen: 47.97 ng  
RT: 12.97 min Scan# 1901  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 418671  
Ion Ratio Lower Upper  
149 100  
91 77.6 45.0 67.4#  
206 16.8 17.0 25.6#

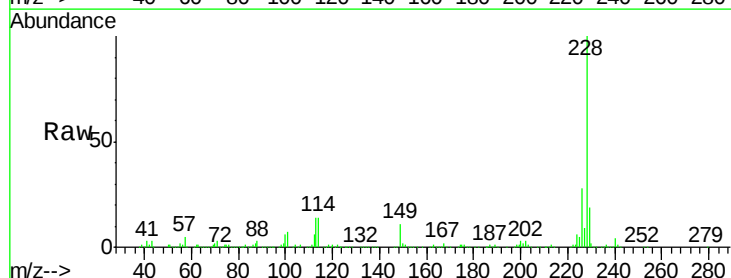


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

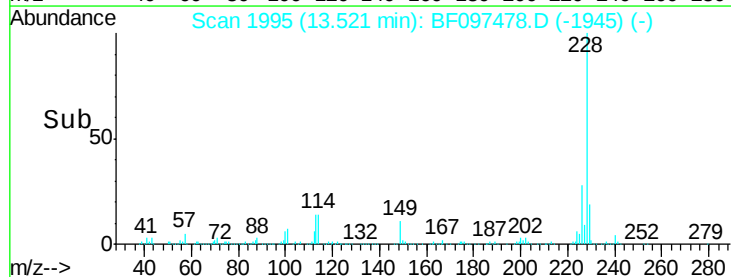
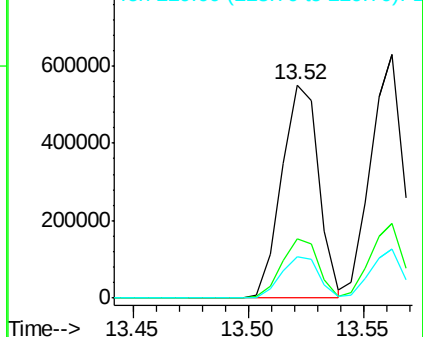


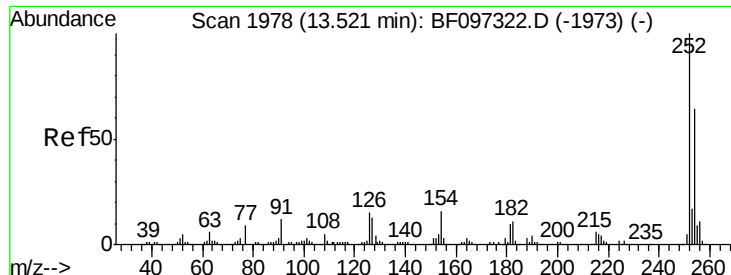
#80  
Benzo(a)anthracene  
Concen: 44.91 ng  
RT: 13.52 min Scan# 1995  
Delta R.T. -0.01 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Tgt Ion:228 Resp: 609050  
Ion Ratio Lower Upper  
228 100  
226 27.6 22.6 33.8  
229 19.5 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

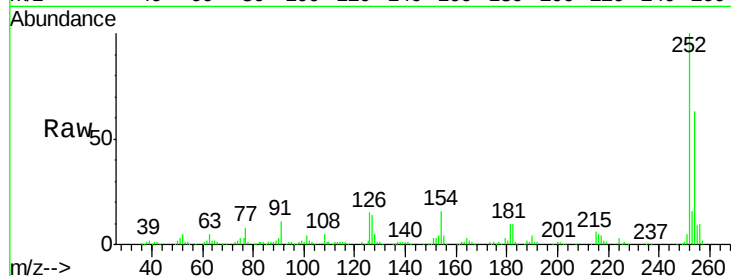




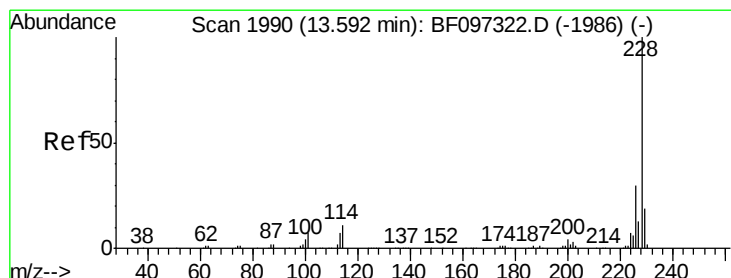
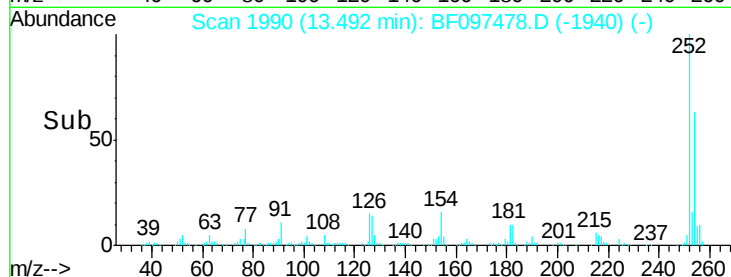
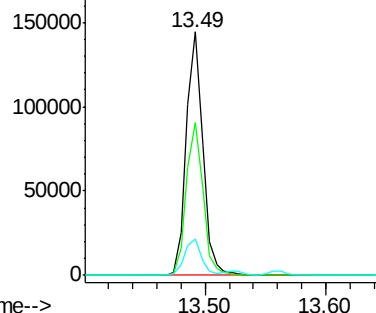
#81  
 3,3'-Dichlorobenzidine  
 Concen: 26.58 ng  
 RT: 13.49 min Scan# 1990  
 Delta R.T. -0.01 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 62.9  | 51.5  | 77.3  |
| 126     | 14.8  | 15.8  | 23.8# |

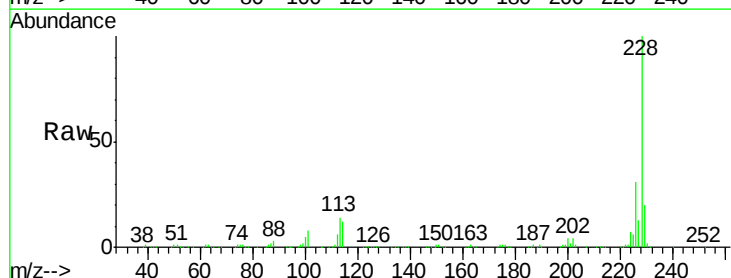


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

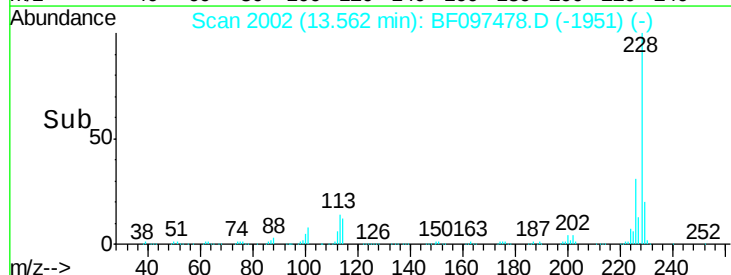
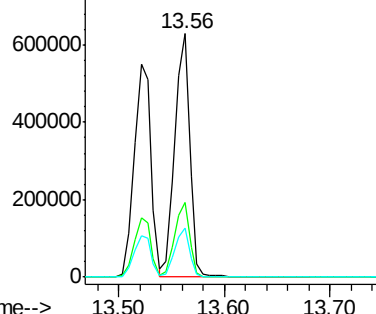


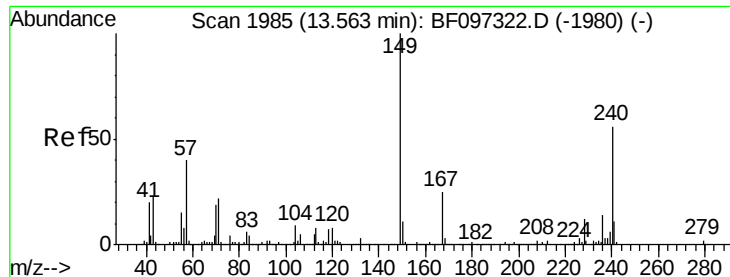
#82  
 Chrysene  
 Concen: 46.80 ng  
 RT: 13.56 min Scan# 2002  
 Delta R.T. 0.00 min  
 Lab File: BF097478.D  
 Acq: 8 Aug 2017 19:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 24.9  | 37.3  |
| 229     | 19.9  | 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: 40.03 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampleId :

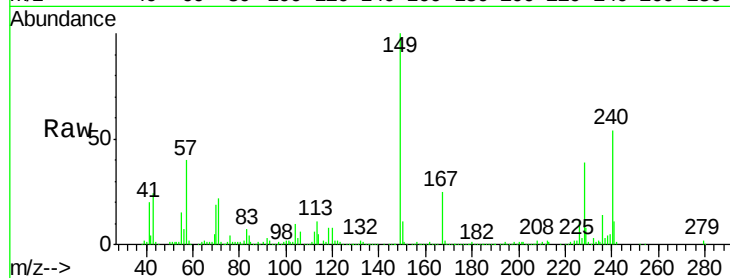
Tot Ion:149 Resp: 456162

Ion Ratio Lower Upper

149 100

167 24.8 21.0 31.4

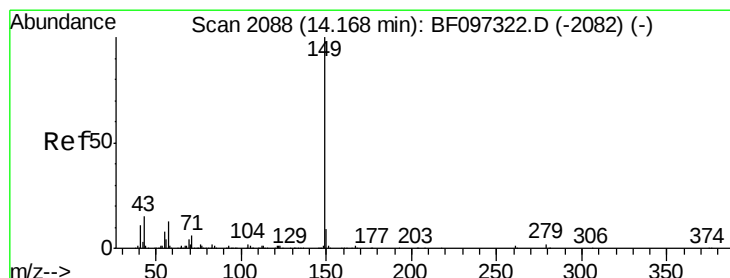
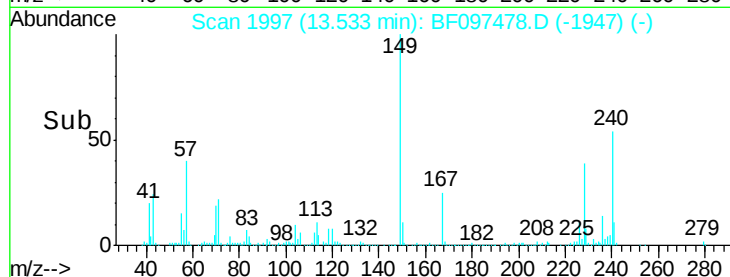
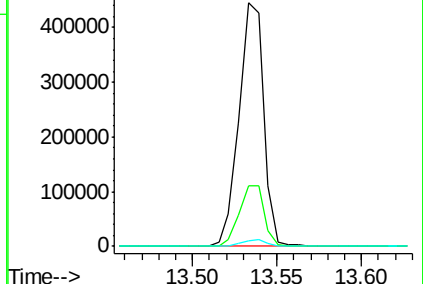
279 2.4 1.9 2.9



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: 41.14 ng

RT: 14.14 min Scan# 2100

Delta R.T. -0.01 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

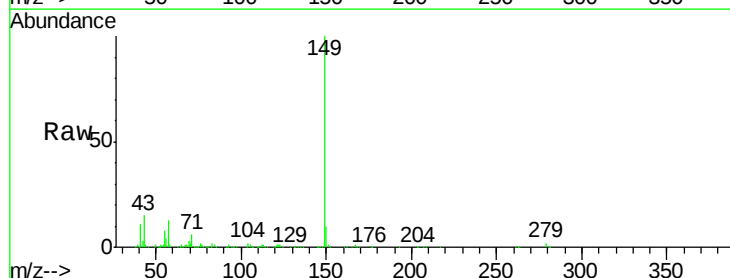
Tgt Ion:149 Resp: 860389

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

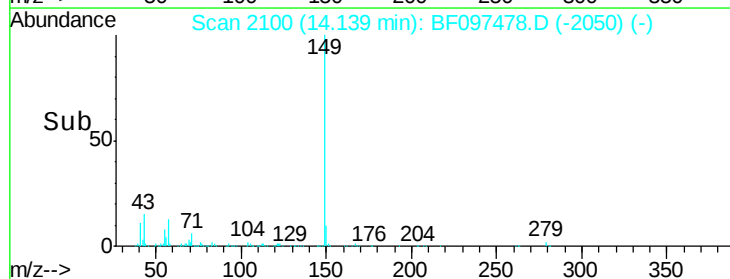
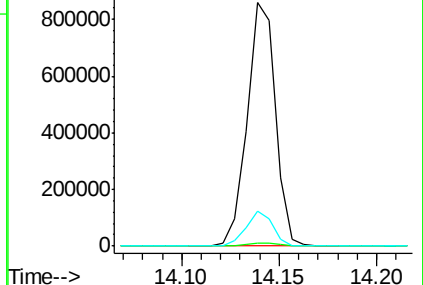
43 13.8 8.5 12.7#

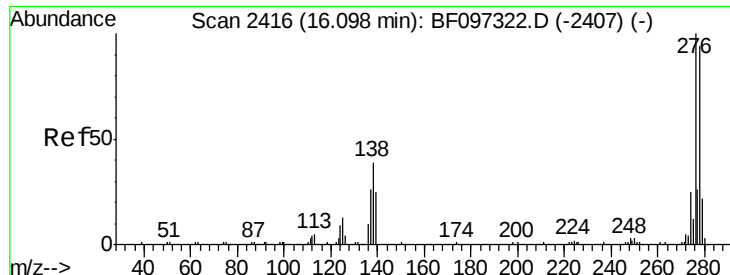


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

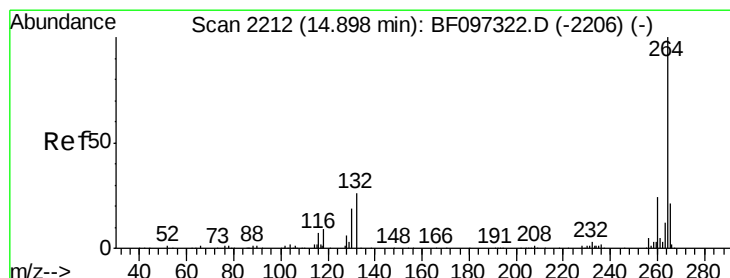
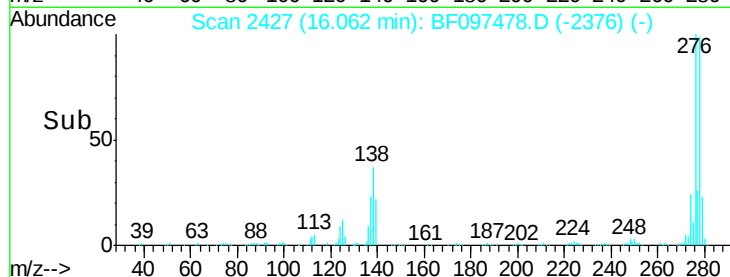
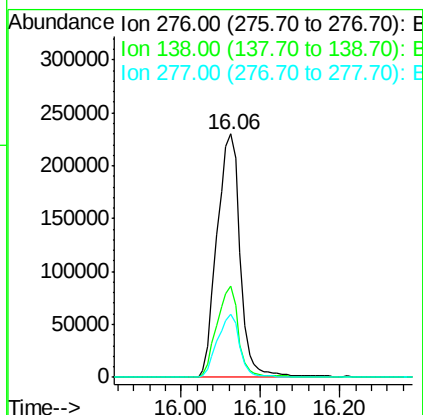
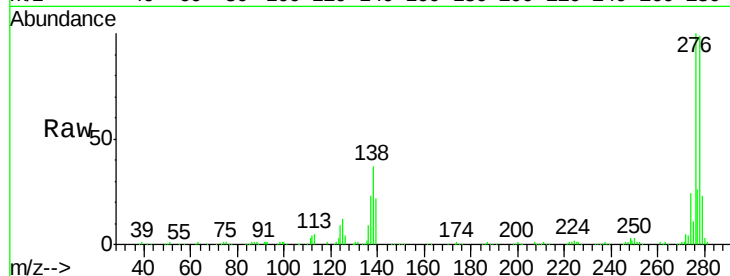




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 41.30 ng  
RT: 16.06 min Scan# 2427  
Delta R.T. 0.00 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

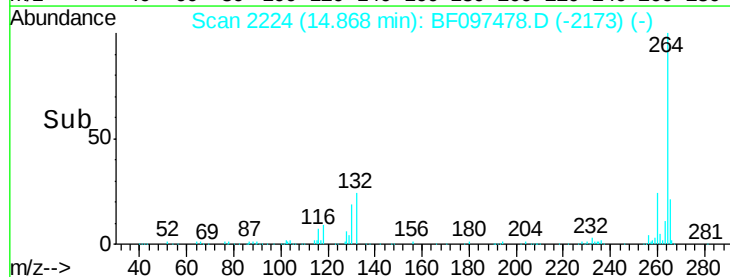
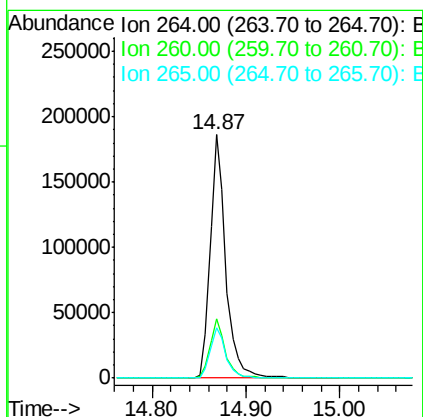
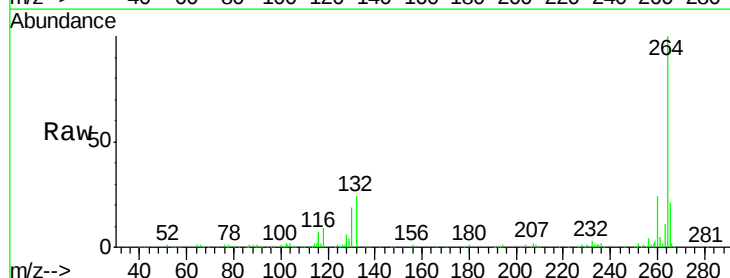
Instrument :  
BNA\_F  
ClientSampleId :

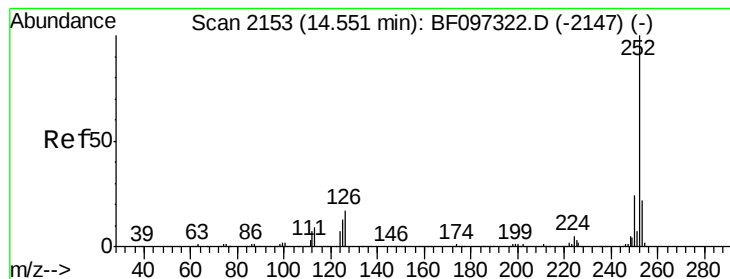
Tot Ion:276 Resp: 468902  
Ion Ratio Lower Upper  
276 100  
138 34.7 27.8 41.6  
277 24.9 20.2 30.4



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 14.87 min Scan# 2224  
Delta R.T. 0.00 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Tgt Ion:264 Resp: 218028  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.5 29.3  
265 20.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 37.99 ng

RT: 14.53 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampleId :

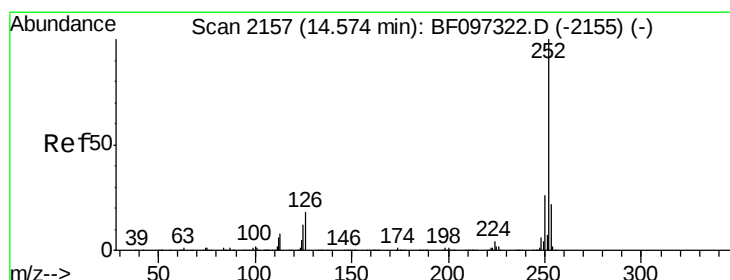
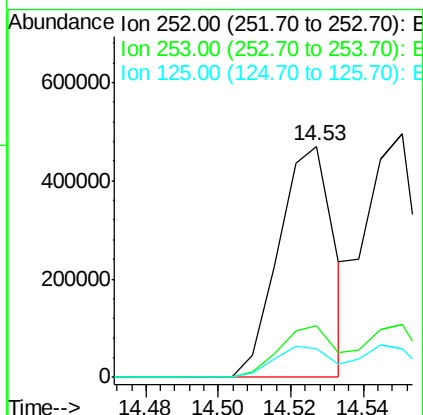
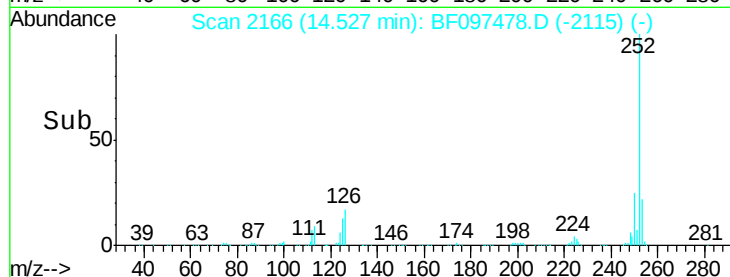
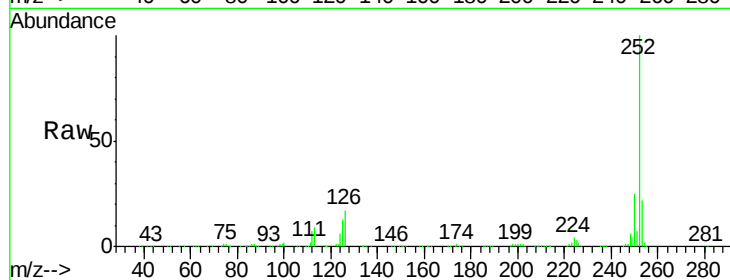
Tot Ion:252 Resp: 497843

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

125 12.5 9.8 14.8



#88

Benzo(k)fluoranthene

Concen: 36.90 ng

RT: 14.82 min Scan# 2216

Delta R.T. 0.27 min

Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

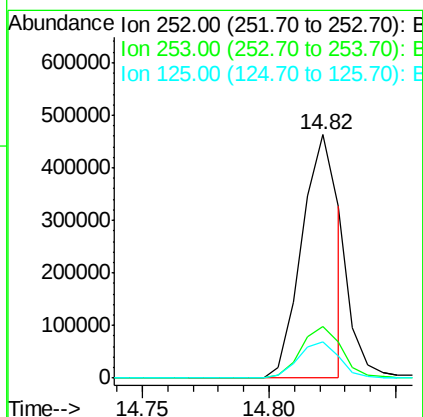
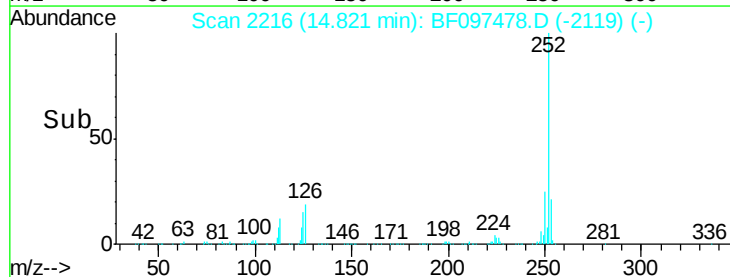
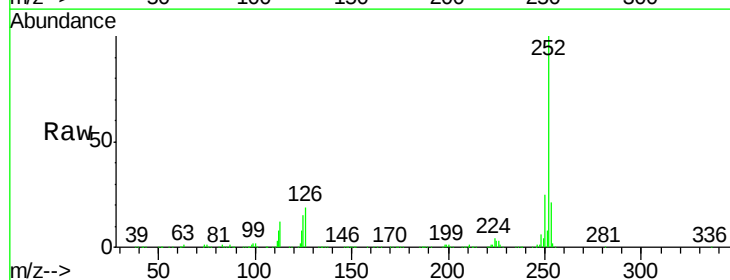
Tgt Ion:252 Resp: 460894

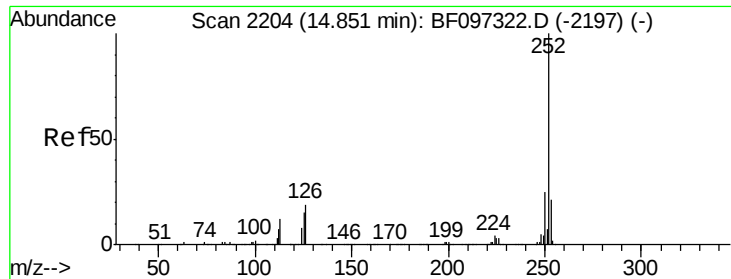
Ion Ratio Lower Upper

252 100

253 21.4 18.4 27.6

125 15.0 13.1 19.7

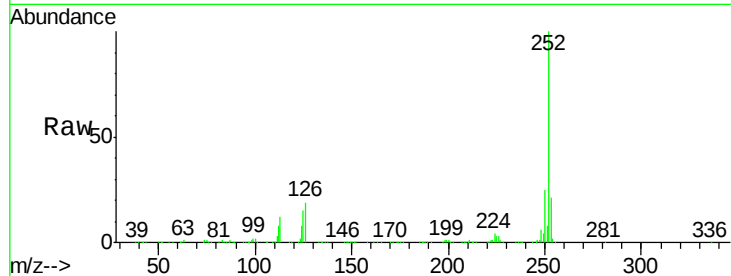




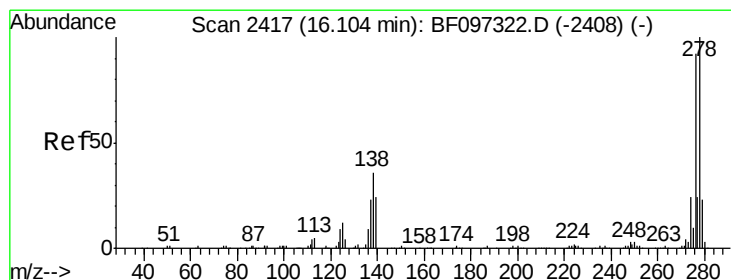
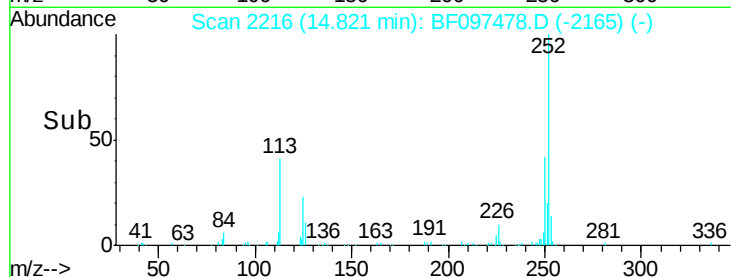
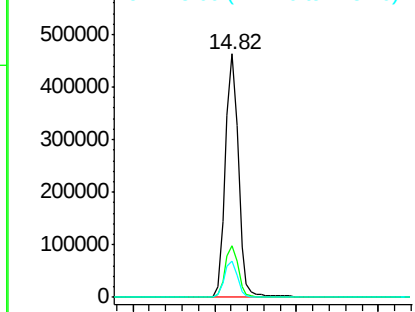
#89  
Benzo(a)pyrene  
Concen: 43.54 ng  
RT: 14.82 min Scan# 2216  
Delta R.T. 0.00 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.4  | 17.5  | 26.3  |
| 125     | 15.0  | 11.0  | 16.4  |

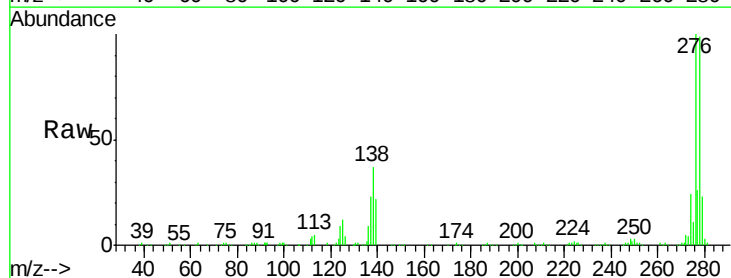


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

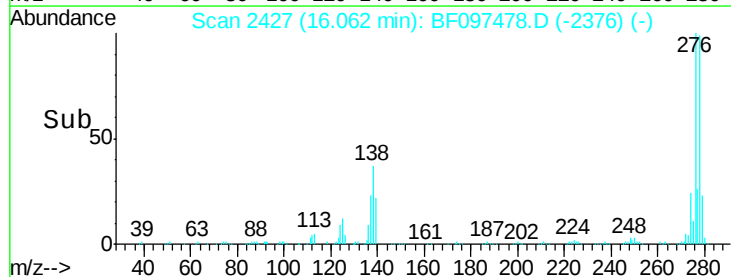
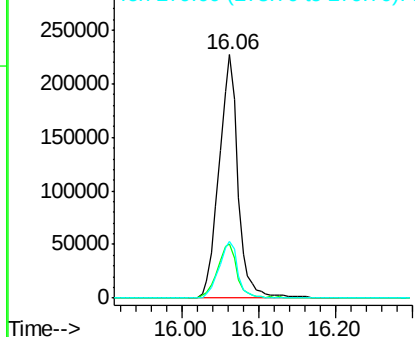


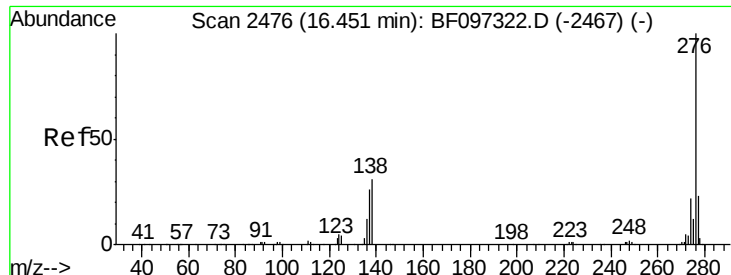
#90  
Dibenzo(a,h)anthracene  
Concen: 39.56 ng  
RT: 16.06 min Scan# 2427  
Delta R.T. 0.00 min  
Lab File: BF097478.D  
Acq: 8 Aug 2017 19:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 22.3  | 16.6  | 24.8  |
| 279     | 23.4  | 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: 42.52 ng

RT: 16.41 min Scan# 2486

Delta R.T. 0.00 min

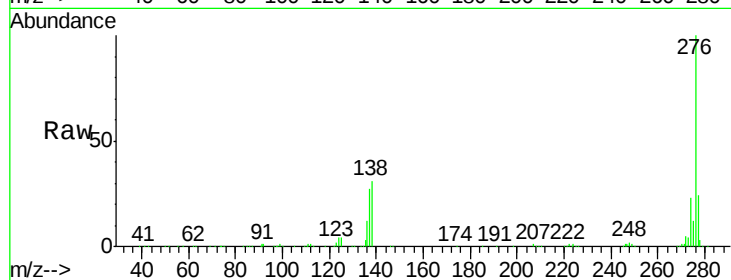
Lab File: BF097478.D

Acq: 8 Aug 2017 19:48

Instrument :

BNA\_F

ClientSampleId :



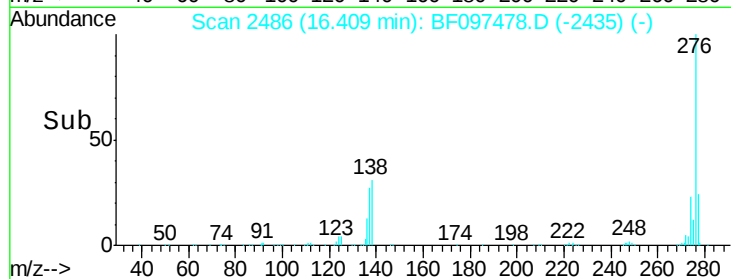
Tot Ion: 276 Resp: 438584

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 31.0 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

