

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\  
 Data File : BF099547.D  
 Acq On : 16 Oct 2017 16:31  
 Operator : SJ/JU  
 Sample : I5782-01MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 16 23:27:16 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 11 16:25:21 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 96050    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 393057   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.88  | 164  | 167106   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.37 | 188  | 253408   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.02 | 240  | 167536   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.49 | 264  | 182615   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.47  | 112  | 519551   | 86.11 | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 645506   | 86.72 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 392971   | 64.12 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330  | 102201   | 74.74 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 751750   | 75.10 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.95 | 244  | 479638   | 65.11 | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.66 | 88   | 70411    | 24.43 | ng    | 96     |
| 4) n-Nitrosodimethylamine      | 3.39 | 42   | 73868    | 22.34 | ng    | # 80   |
| 6) Aniline                     | 6.51 | 93   | 38785    | 3.86  | ng    | # 82   |
| 8) 2-Chlorophenol              | 6.63 | 128  | 191052   | 27.96 | ng    | 93     |
| 9) Benzaldehyde                | 6.40 | 77   | 68675    | 15.91 | ng    | 99     |
| 10) Phenol                     | 6.49 | 94   | 264346   | 31.76 | ng    | 97     |
| 11) bis(2-Chloroethyl)ether    | 6.58 | 93   | 185024   | 28.59 | ng    | 97     |
| 12) 1,3-Dichlorobenzene        | 6.79 | 146  | 214808   | 30.02 | ng    | 95     |
| 13) 1,4-Dichlorobenzene        | 6.86 | 146  | 214584   | 29.47 | ng    | 96     |
| 14) 1,2-Dichlorobenzene        | 7.02 | 146  | 205411   | 30.53 | ng    | 97     |
| 15) Benzyl Alcohol             | 6.99 | 79   | 148728   | 27.24 | ng    | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45   | 256249   | 25.42 | ng    | 91     |
| 17) 2-Methylphenol             | 7.10 | 107  | 156785   | 28.04 | ng    | 97     |
| 18) Hexachloroethane           | 7.35 | 117  | 73221    | 27.98 | ng    | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70   | 122244   | 25.72 | ng    | 95     |
| 20) 3+4-Methylphenols          | 7.25 | 107  | 190431   | 26.92 | ng    | # 66   |
| 22) Acetophenone               | 7.26 | 105  | 259265   | 27.22 | ng    | 99     |
| 24) Nitrobenzene               | 7.43 | 77   | 191495   | 27.54 | ng    | 96     |
| 25) Isophorone                 | 7.66 | 82   | 343361   | 27.10 | ng    | 100    |
| 26) 2-Nitrophenol              | 7.75 | 139  | 82205    | 24.59 | ng    | 90     |
| 27) 2,4-Dimethylphenol         | 7.78 | 122  | 154958   | 24.54 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93   | 231148   | 29.27 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 7.99 | 162  | 141876   | 26.17 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.07 | 180  | 166763   | 30.76 | ng    | 99     |
| 31) Naphthalene                | 8.15 | 128  | 554465   | 30.04 | ng    | 100    |
| 32) Benzoic acid               | 7.78 | 122  | 154958   | 29.88 | ng    | # 13   |
| 33) 4-Chloroaniline            | 8.20 | 127  | 92571    | 12.01 | ng    | # 93   |
| 34) Hexachlorobutadiene        | 8.26 | 225  | 83058    | 29.74 | ng    | 98     |
| 35) Caprolactam                | 8.56 | 113  | 11814    | 6.79  | ng    | 86     |
| 36) 4-Chloro-3-methylphenol    | 8.68 | 107  | 153179   | 25.14 | ng    | 94     |
| 37) 2-Methylnaphthalene        | 8.84 | 142  | 374790   | 31.23 | ng    | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216  | 149367   | 29.97 | ng    | 98     |
| 40) Hexachlorocyclopentadiene  | 8.99 | 237  | 34882    | 15.32 | ng    | 96     |
| 42) 2,4,6-Trichlorophenol      | 9.12 | 196  | 83381    | 23.62 | ng    | 99     |

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 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

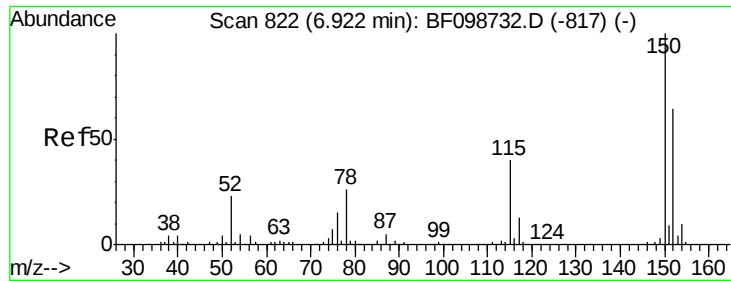
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 16 23:27:16 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 11 16:25:21 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 9.16  | 196  | 75827    | 21.52 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 9.30  | 154  | 434633   | 30.26 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.33  | 162  | 335560   | 31.12 | ng    | 97       |
| 47) 2-Nitroaniline             | 9.43  | 65   | 90929    | 27.54 | ng    | # 80     |
| 48) Acenaphthylene             | 9.75  | 152  | 495039   | 29.99 | ng    | 99       |
| 49) Dimethylphthalate          | 9.60  | 163  | 532102   | 42.19 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.67  | 165  | 82319    | 29.98 | ng    | 95       |
| 51) Acenaphthene               | 9.92  | 154  | 292065   | 27.93 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.85  | 138  | 85137    | 26.59 | ng    | 87       |
| 54) Dibenzofuran               | 10.09 | 168  | 438021   | 31.46 | ng    | 99       |
| 55) 4-Nitrophenol              | 10.01 | 139  | 62063    | 22.93 | ng    | 88       |
| 56) 2,4-Dinitrotoluene         | 10.08 | 165  | 101232   | 28.41 | ng    | 89       |
| 57) Fluorene                   | 10.43 | 166  | 338956   | 30.29 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.21 | 232  | 42805    | 17.58 | ng    | 99       |
| 59) Diethylphthalate           | 10.30 | 149  | 358652   | 29.10 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.42 | 204  | 155110   | 30.86 | ng    | 93       |
| 61) 4-Nitroaniline             | 10.46 | 138  | 81389    | 26.35 | ng    | 87       |
| 62) Azobenzene                 | 10.58 | 77   | 348628   | 30.77 | ng    | 93       |
| 65) n-Nitrosodiphenylamine     | 10.54 | 169  | 289368   | 32.96 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.91 | 248  | 84951    | 34.25 | ng    | 92       |
| 67) Hexachlorobenzene          | 10.98 | 284  | 80692    | 30.46 | ng    | 96       |
| 68) Atrazine                   | 11.06 | 200  | 87663    | 33.19 | ng    | 99       |
| 69) Pentachlorophenol          | 11.18 | 266  | 15586    | 9.45  | ng    | 93       |
| 70) Phenanthrene               | 11.40 | 178  | 428448   | 31.59 | ng    | 99       |
| 71) Anthracene                 | 11.44 | 178  | 440518   | 31.74 | ng    | 100      |
| 72) Carbazole                  | 11.60 | 167  | 392531   | 28.88 | ng    | 98       |
| 73) Di-n-butylphthalate        | 11.92 | 149  | 515723   | 31.53 | ng    | 98       |
| 74) Fluoranthene               | 12.59 | 202  | 379510   | 27.63 | ng    | 97       |
| 77) Pvrene                     | 12.82 | 202  | 384149   | 30.07 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.42 | 149  | 178289   | 29.69 | ng    | 94       |
| 80) Benzo(a)anthracene         | 14.00 | 228  | 310120   | 30.57 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.96 | 252  | 89292    | 24.01 | ng    | 99       |
| 82) Chrysene                   | 14.04 | 228  | 300625   | 31.13 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 250907   | 30.35 | ng    | # 98     |
| 84) Di-n-octyl phthalate       | 14.59 | 149  | 424717   | 31.90 | ng    | # 94     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.98 | 276  | 332463   | 43.03 | ng    | 96       |
| 87) Benzo(b)fluoranthene       | 15.06 | 252  | 313140   | 27.89 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 15.09 | 252  | 319221   | 28.78 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.43 | 252  | 315880   | 30.65 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.98 | 278  | 282234   | 34.22 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 17.43 | 276  | 266729   | 32.71 | ng    | 98       |

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



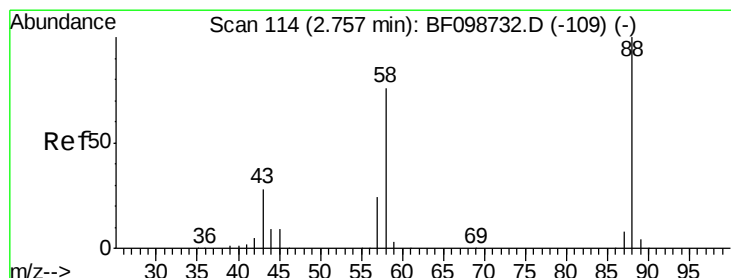
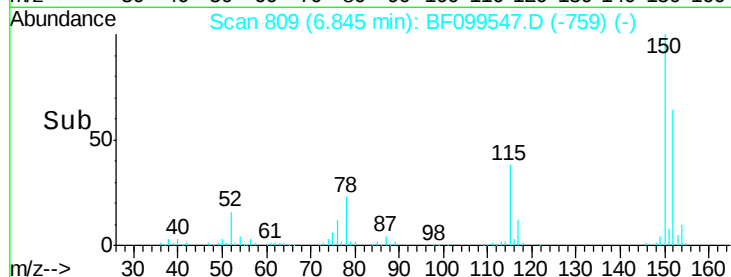
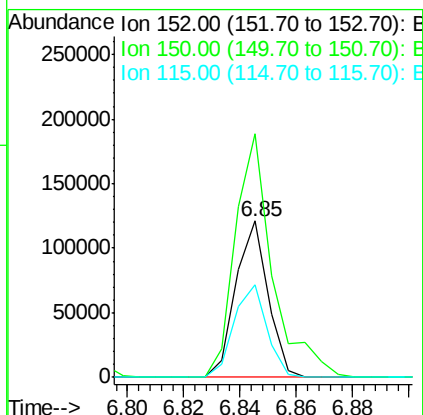
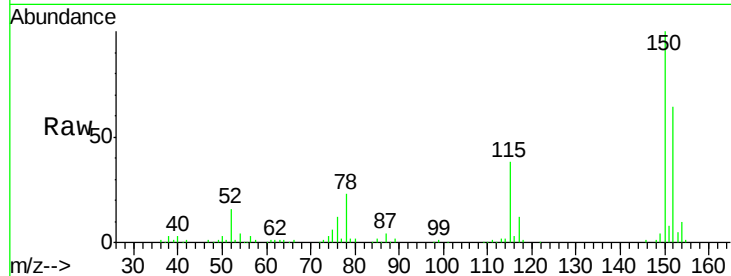


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.85 min Scan# 809  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Instrument :  
BNA\_F  
ClientSampled :

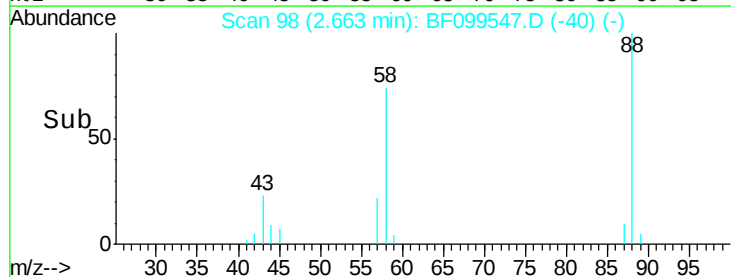
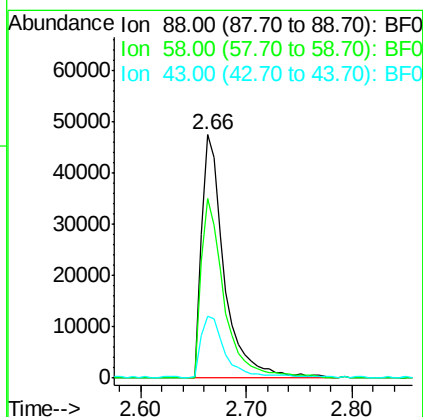
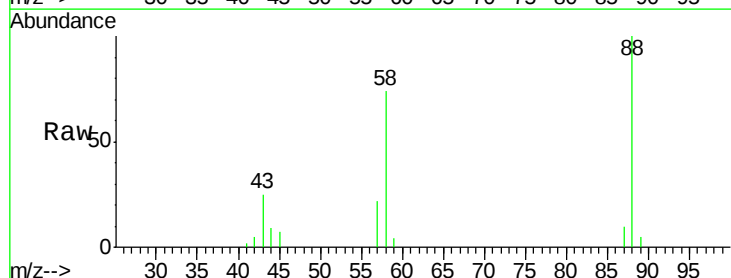
Tot Ion:152 Resp: 96050  
Ion Ratio Lower Upper  
152 100  
150 156.1 124.6 186.8  
115 59.2 50.1 75.1

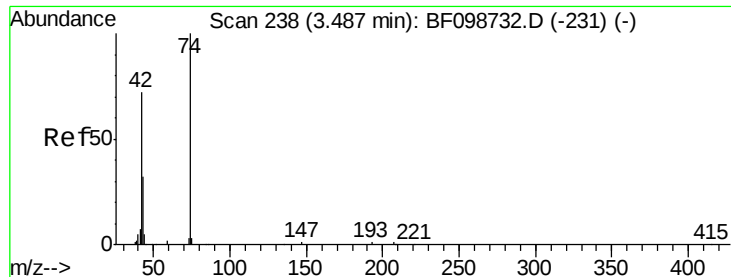


#2

1,4-Dioxane  
Concen: 24.43 ng  
RT: 2.66 min Scan# 98  
Delta R.T. 0.04 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion: 88 Resp: 70411  
Ion Ratio Lower Upper  
88 100  
58 75.0 62.6 93.8  
43 28.7 24.6 37.0



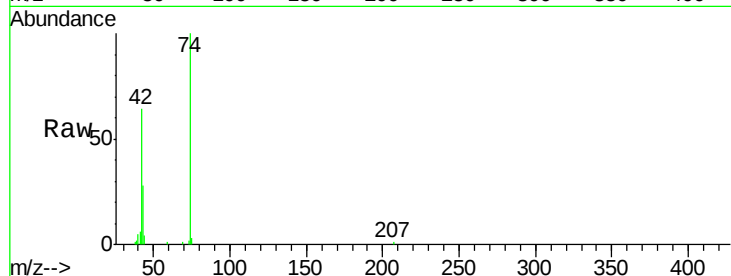


#4

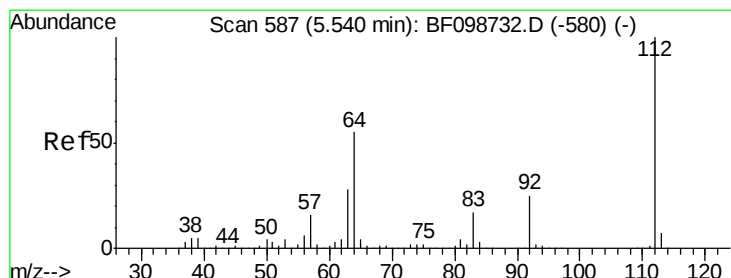
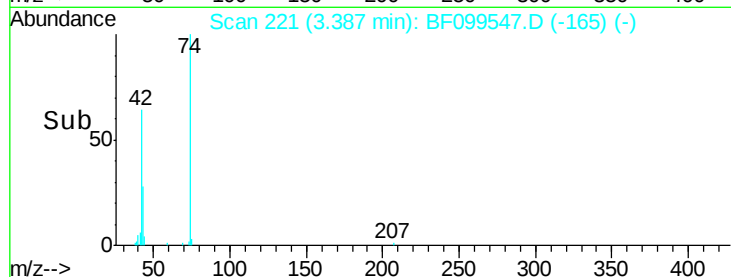
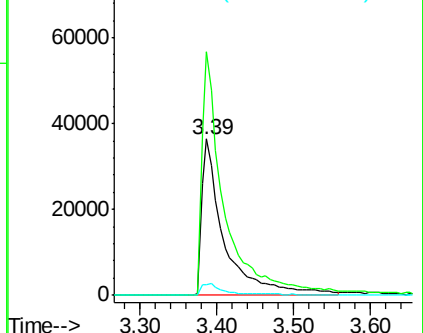
n-Nitrosodimethylamine  
 Concen: 22.34 ng  
 RT: 3.39 min Scan# 221  
 Delta R.T. 0.03 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 42 Resp: 73868  
 Ion Ratio Lower Upper  
 42 100  
 74 155.6 104.9 157.3  
 44 6.7 6.9 10.3#



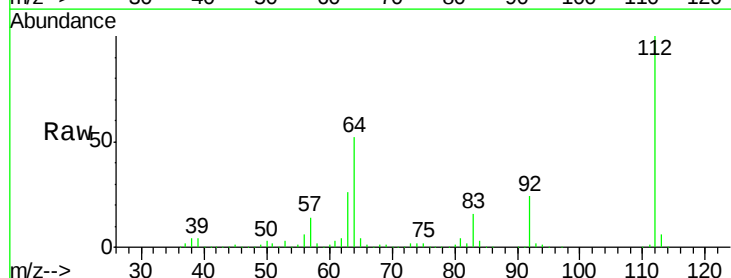
Abundance Ion 42.00 (41.70 to 42.70): BF0  
 Ion 74.00 (73.70 to 74.70): BF0  
 Ion 44.00 (43.70 to 44.70): BF0



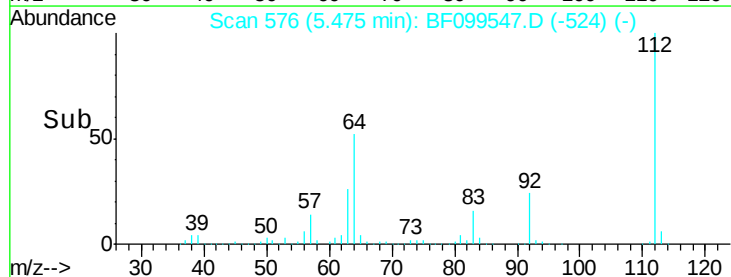
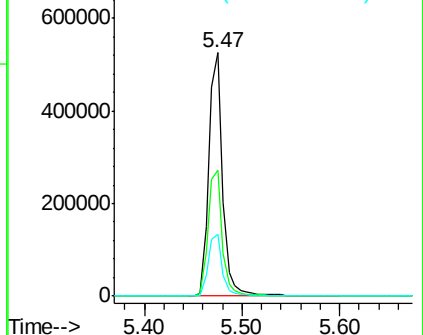
#5

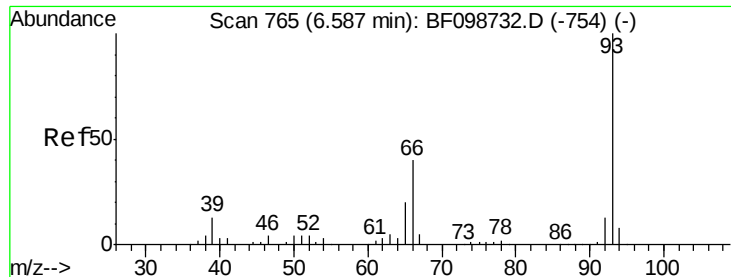
2-Fluorophenol  
 Concen: 86.11 ng  
 RT: 5.47 min Scan# 576  
 Delta R.T. 0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

Tgt Ion: 112 Resp: 519551  
 Ion Ratio Lower Upper  
 112 100  
 64 51.7 47.9 71.9  
 63 25.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0

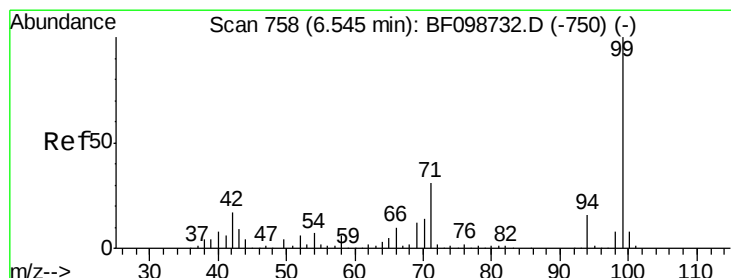
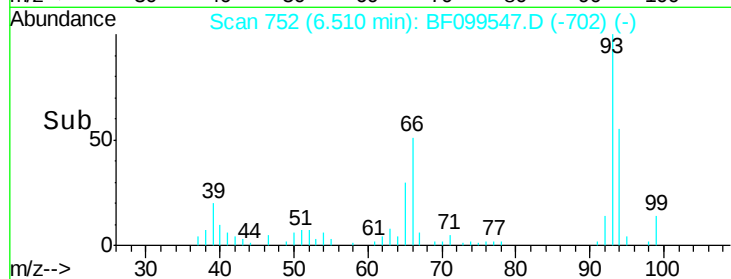
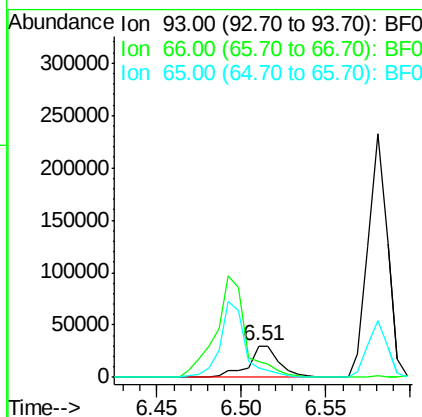
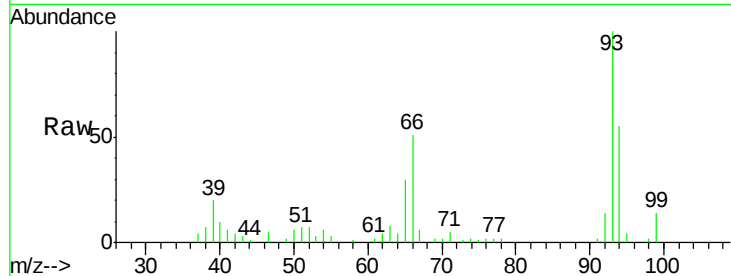




#6  
 Aniline  
 Concen: 3.86 ng  
 RT: 6.51 min Scan# 752  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

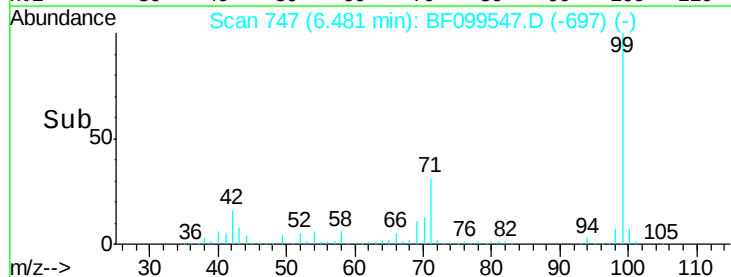
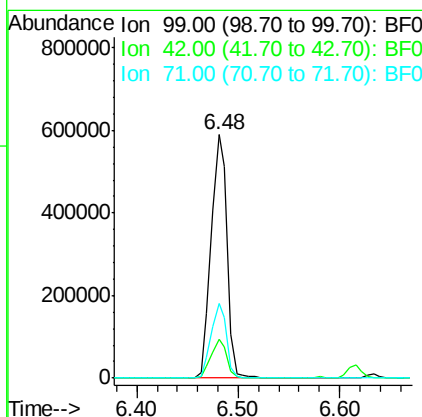
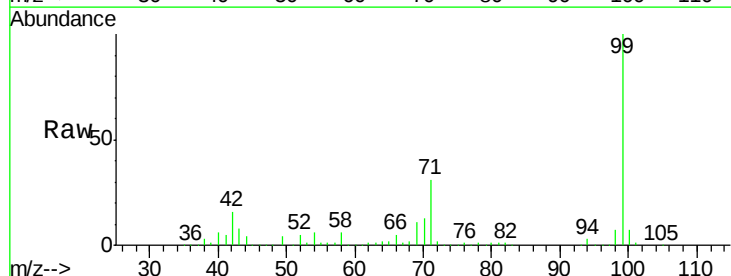
Instrument :  
 BNA\_F  
 ClientSampleId :

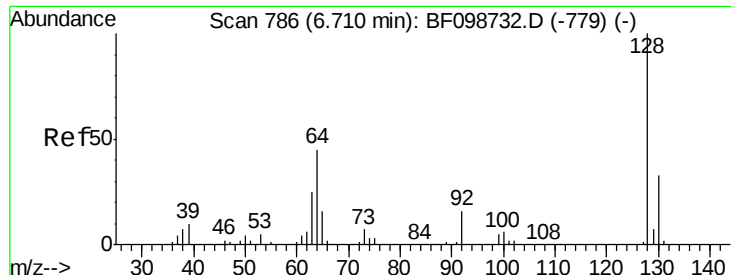
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|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 50.9  | 32.2  | 48.2# |
| 65        | 29.9  | 16.4  | 24.6# |



#7  
 Phenol-d6  
 Concen: 86.72 ng  
 RT: 6.48 min Scan# 747  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

| Tgt Ion   | 99    | Resp  | 645506 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 15.7  | 14.5  | 21.7   |
| 71        | 30.8  | 25.4  | 38.0   |

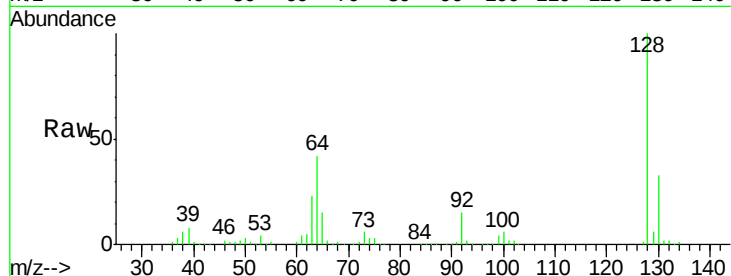




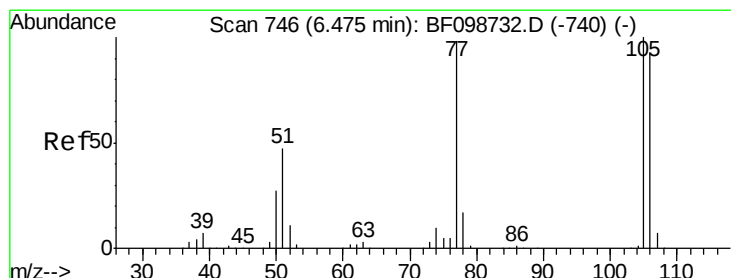
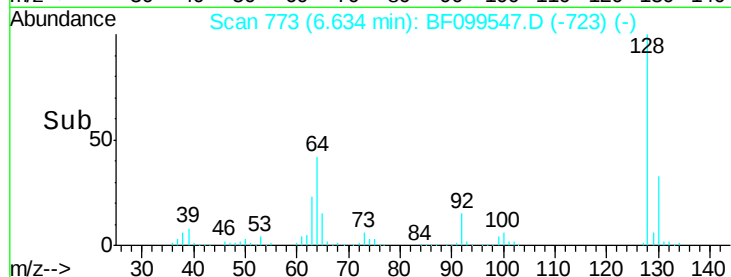
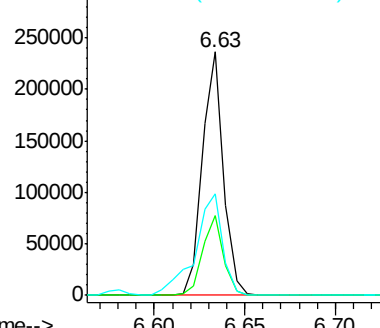
#8  
2-Chlorophenol  
Concen: 27.96 ng  
RT: 6.63 min Scan# 773  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:128 Resp: 191052  
Ion Ratio Lower Upper  
128 100  
130 32.6 13.0 53.0  
64 41.7 29.4 69.4

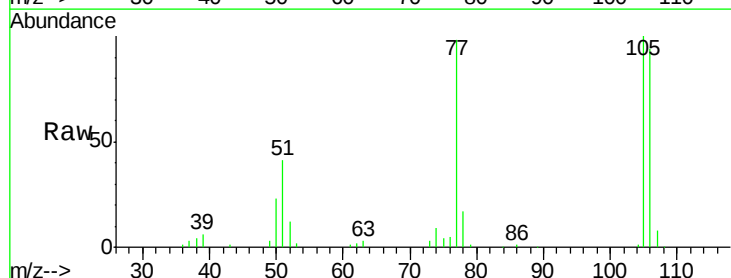


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): E

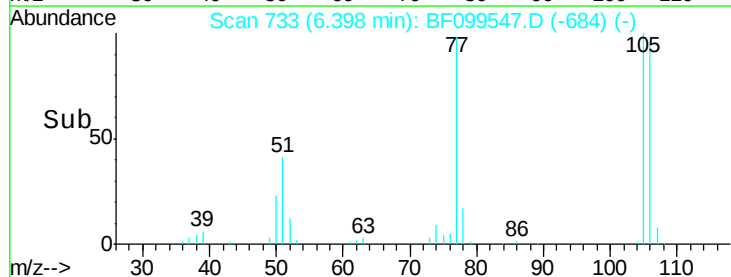
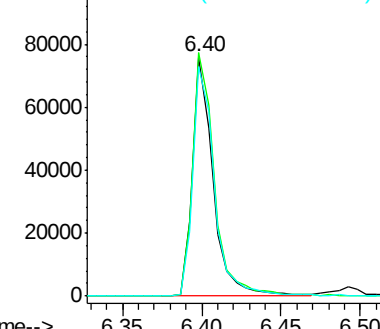


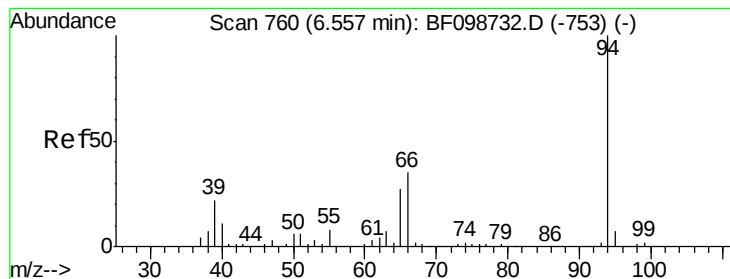
#9  
Benzaldehyde  
Concen: 15.91 ng  
RT: 6.40 min Scan# 733  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion: 77 Resp: 68675  
Ion Ratio Lower Upper  
77 100  
105 102.1 81.1 121.1  
106 96.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 105.00 (104.70 to 105.70): E  
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 31.76 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :

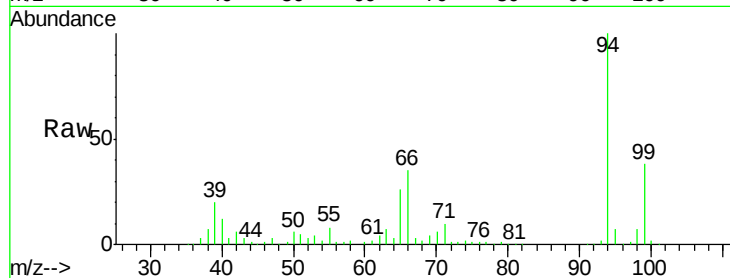
Tot Ion: 94 Resp: 264346

Ion Ratio Lower Upper

94 100

65 26.0 7.9 47.9

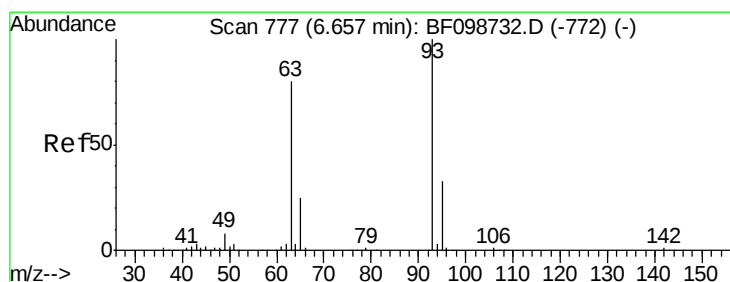
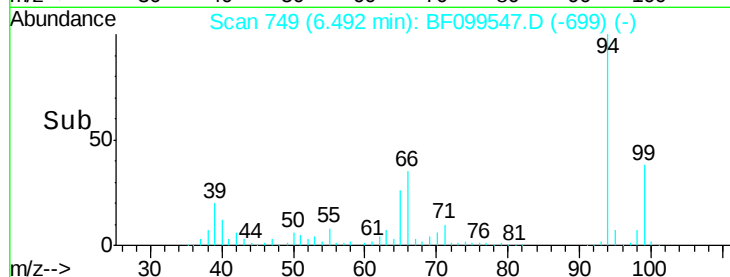
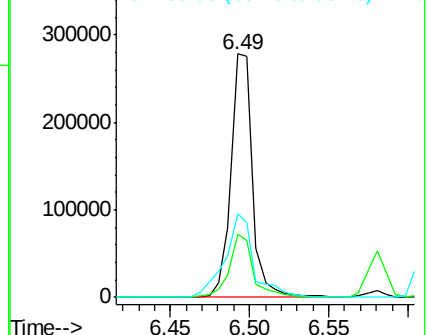
66 34.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 28.59 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

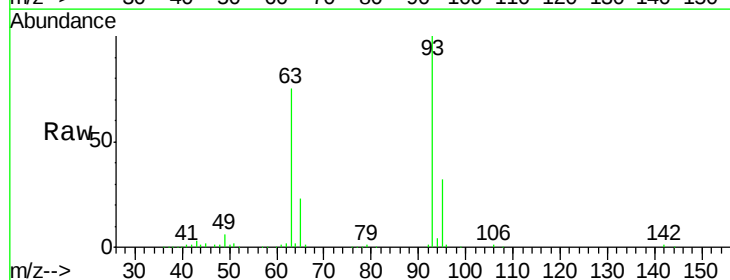
Tgt Ion: 93 Resp: 185024

Ion Ratio Lower Upper

93 100

63 75.4 58.6 98.6

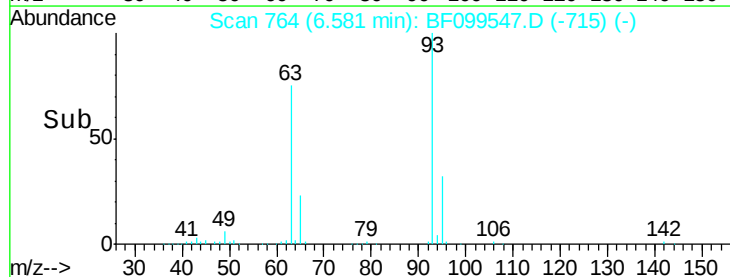
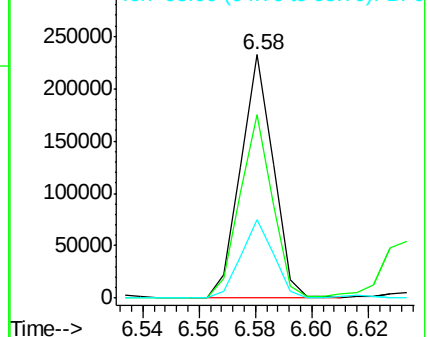
95 32.3 11.8 51.8

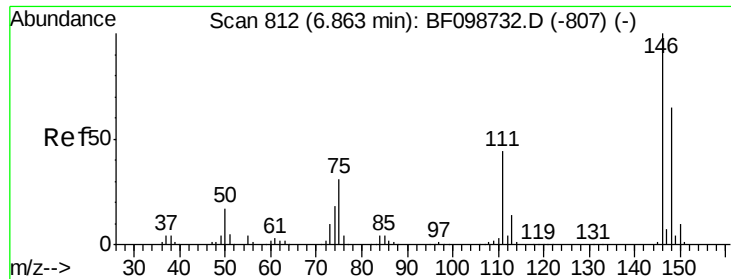


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

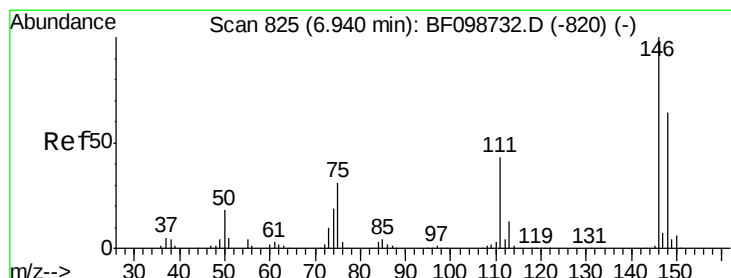
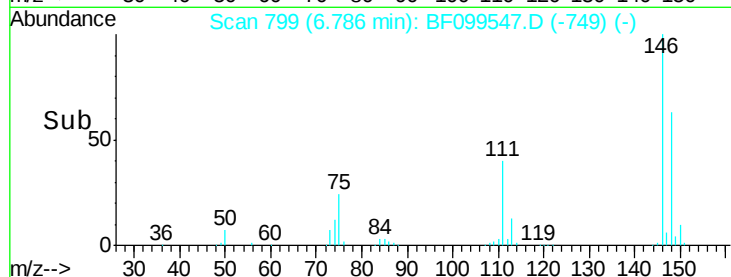
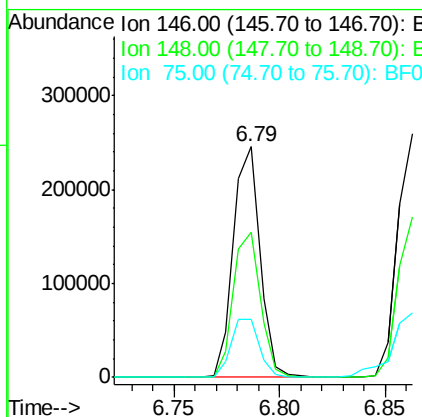
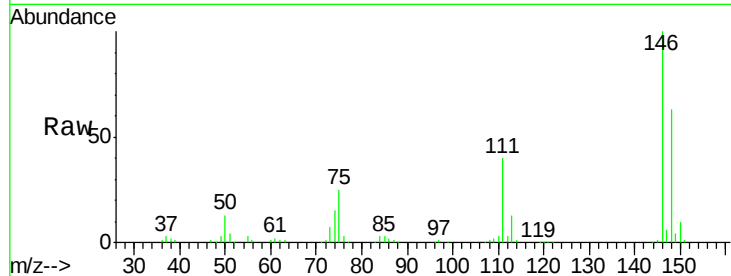




#12  
 1,3-Dichlorobenzene  
 Concen: 30.02 ng  
 RT: 6.79 min Scan# 799  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

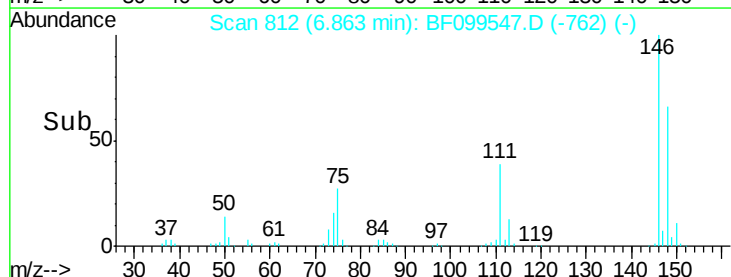
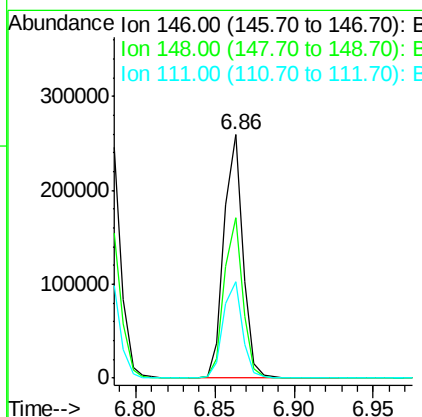
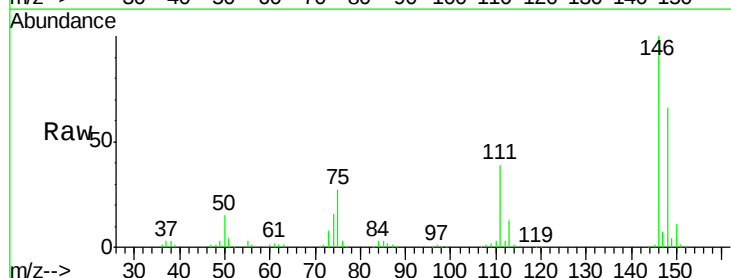
Instrument :  
 BNA\_F  
 ClientSampleId :

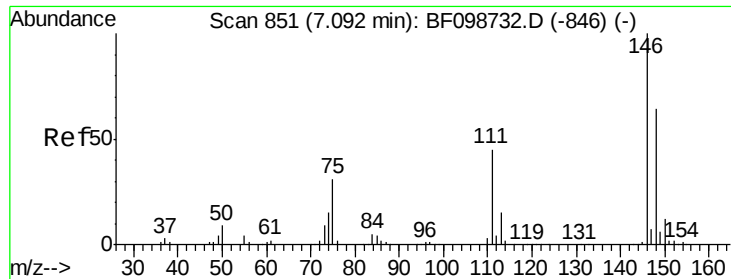
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.1  | 51.8  | 77.8  |
| 75      | 25.1  | 24.2  | 36.4  |



#13  
 1,4-Dichlorobenzene  
 Concen: 29.47 ng  
 RT: 6.86 min Scan# 812  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.9  | 50.8  | 76.2  |
| 111     | 39.5  | 34.2  | 51.2  |





#14

1,2-Dichlorobenzene

Concen: 30.53 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :

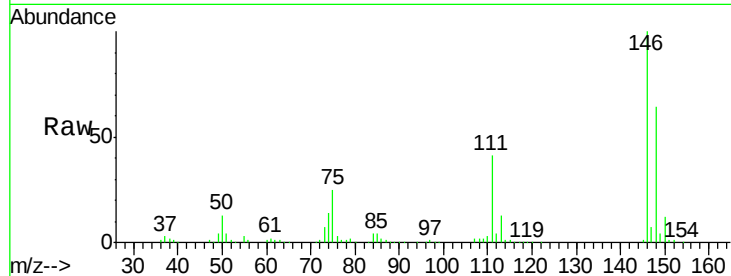
Tot Ion:146 Resp: 205411

Ion Ratio Lower Upper

146 100

148 63.6 50.6 75.8

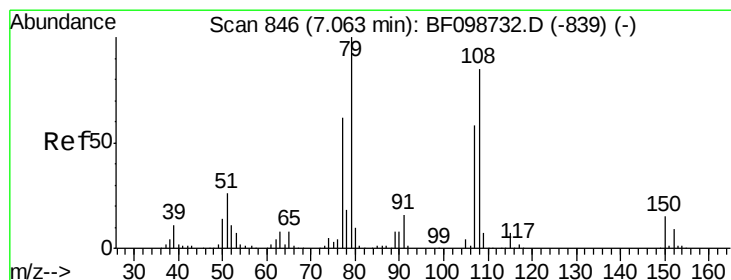
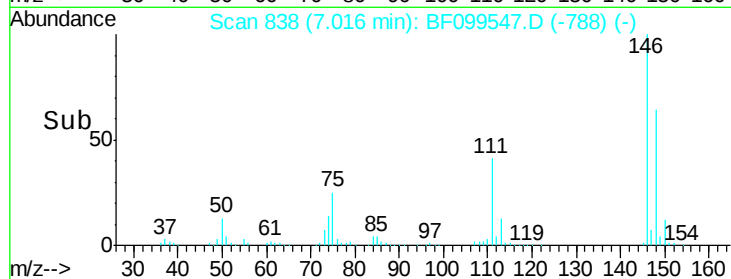
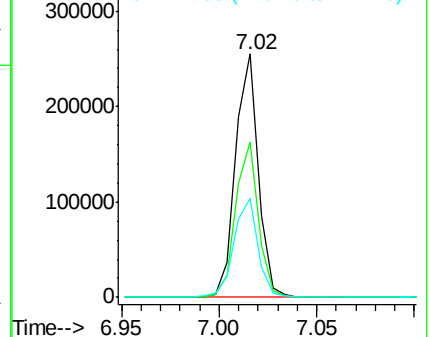
111 40.5 36.0 54.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 27.24 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

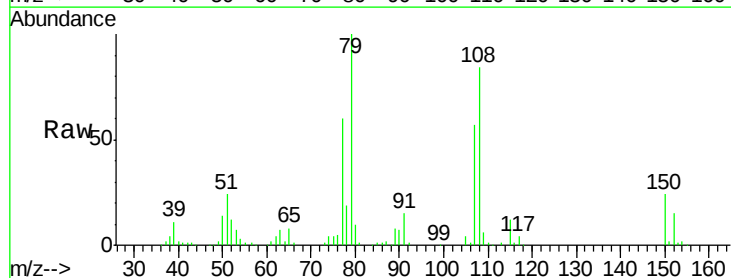
Tgt Ion: 79 Resp: 148728

Ion Ratio Lower Upper

79 100

108 83.6 65.1 97.7

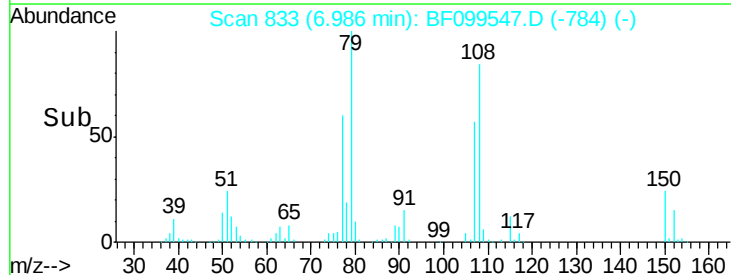
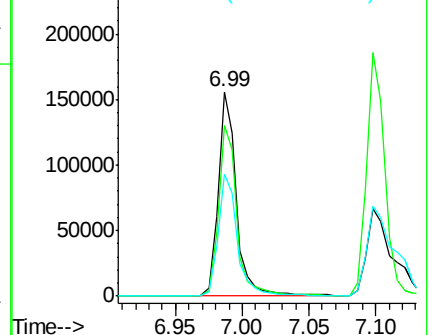
77 59.9 50.6 75.8

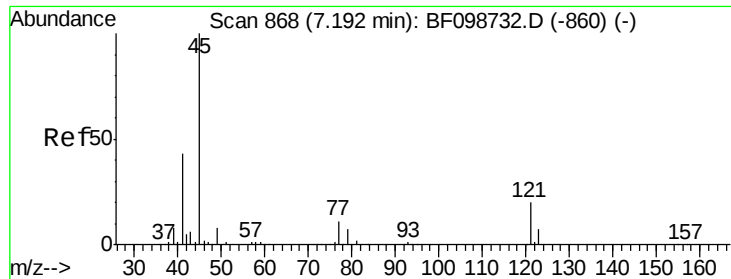


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

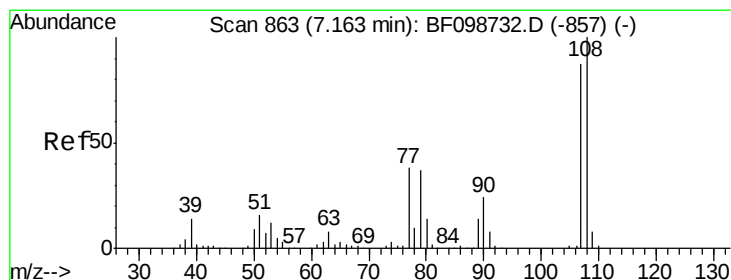
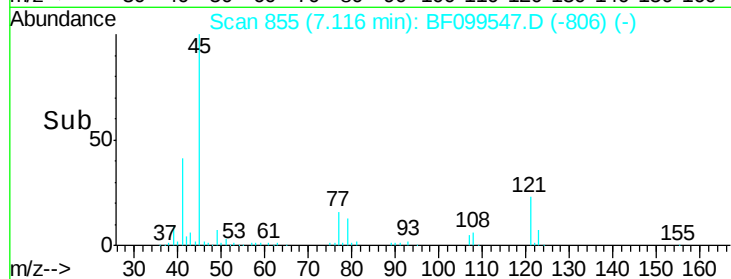
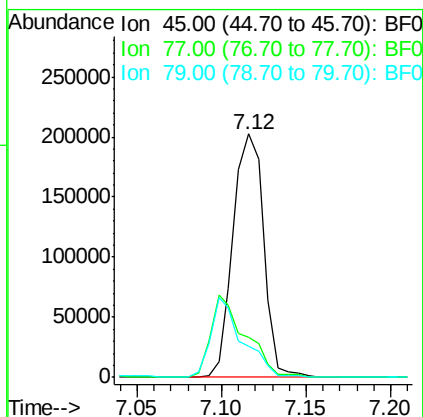
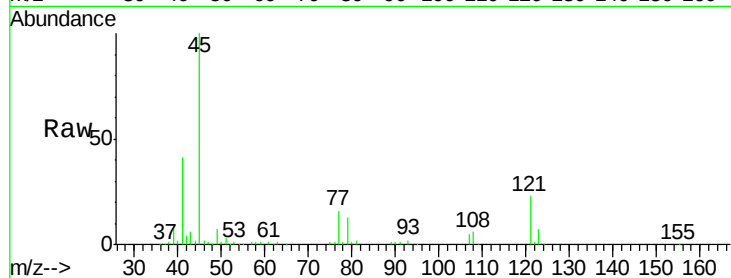




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 25.42 ng  
RT: 7.12 min Scan# 855  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

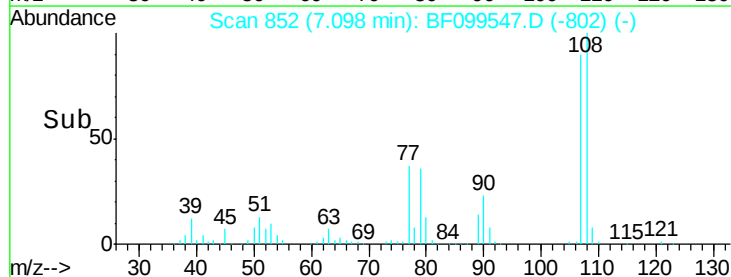
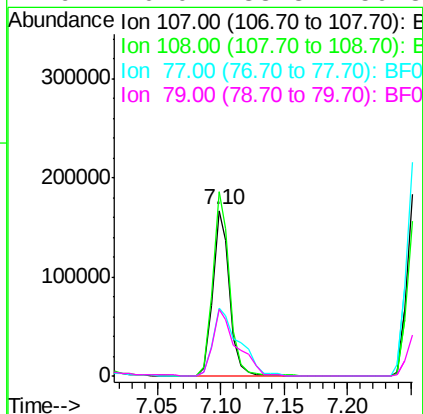
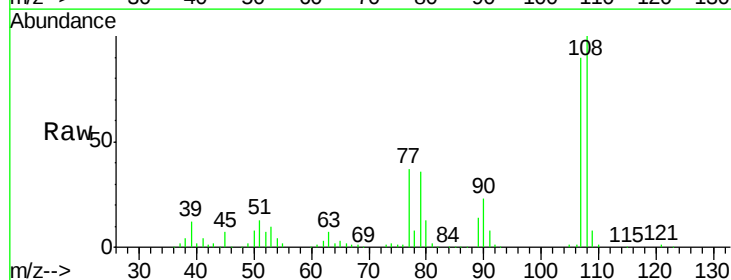
Instrument :  
BNA\_F  
ClientSampled :

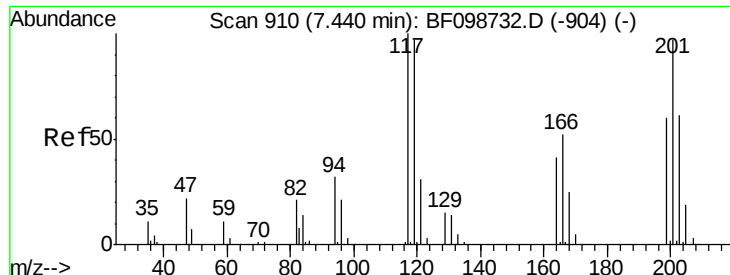
Tot Ion: 45 Resp: 256249  
Ion Ratio Lower Upper  
45 100  
77 16.5 0.0 32.9  
79 12.7 0.0 29.6



#17  
2-Methylphenol  
Concen: 28.04 ng  
RT: 7.10 min Scan# 852  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion: 107 Resp: 156785  
Ion Ratio Lower Upper  
107 100  
108 111.5 91.7 137.5  
77 41.1 33.8 50.8  
79 40.0 33.8 50.8

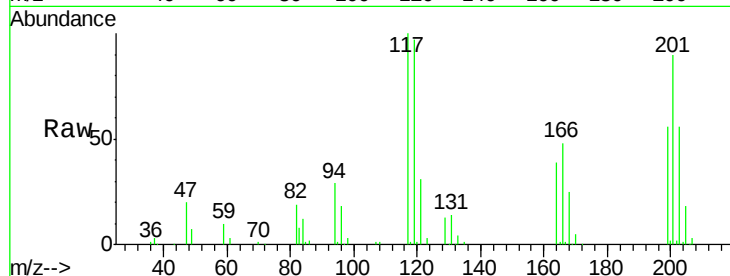




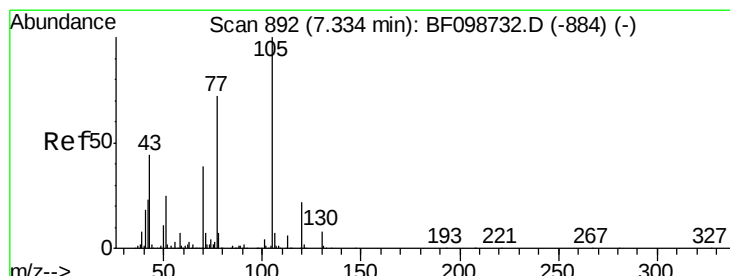
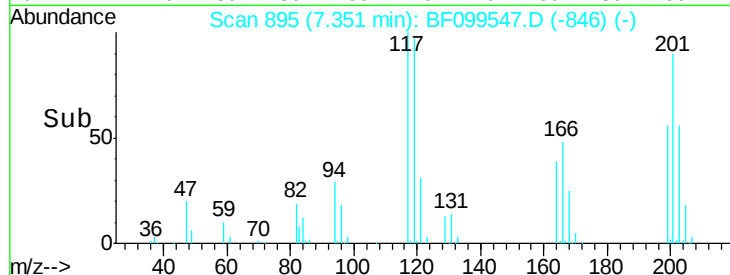
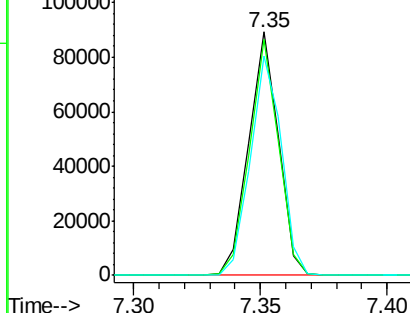
#18  
Hexachloroethane  
Concen: 27.98 ng  
RT: 7.35 min Scan# 895  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:117 Resp: 73221  
Ion Ratio Lower Upper  
117 100  
119 97.0 75.8 113.8  
201 90.3 75.7 113.5



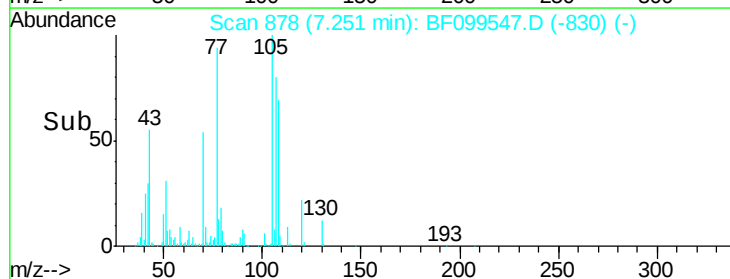
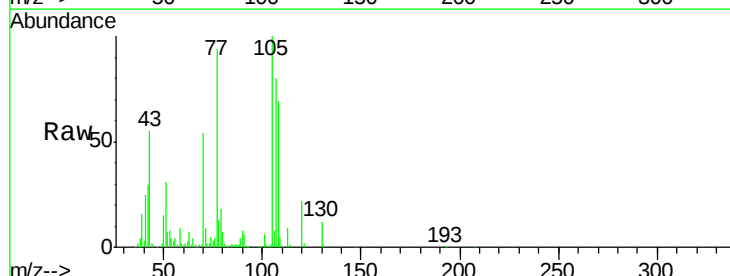
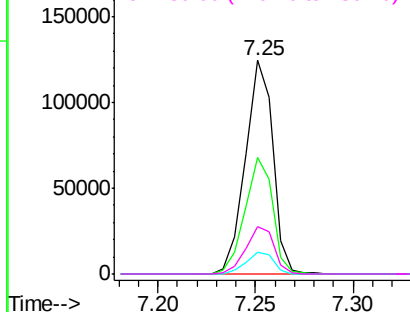
Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

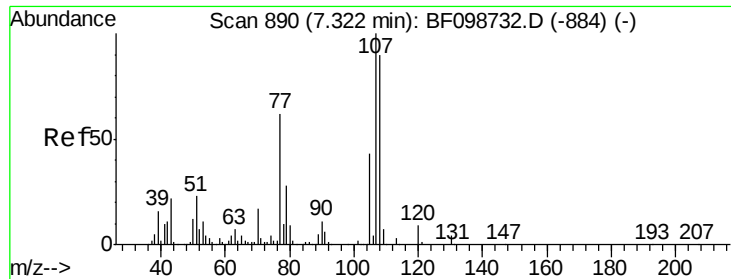


#19  
n-Nitroso-di-n-propylamine  
Concen: 25.72 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.02 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion: 70 Resp: 122244  
Ion Ratio Lower Upper  
70 100  
42 54.8 47.5 71.3  
101 10.5 7.4 11.2  
130 21.9 16.6 25.0

Abundance Ion 70.00 (69.70 to 70.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 26.92 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF099547.D

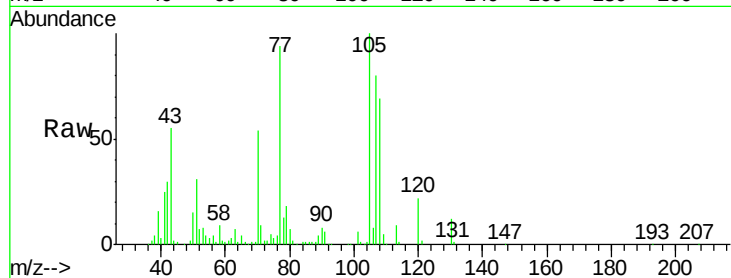
Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 190431 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 85.2  | 68.2  | 108.2  |
| 77       | 117.2 | 26.7  | 66.7#  |
| 79       | 22.8  | 6.3   | 46.3   |

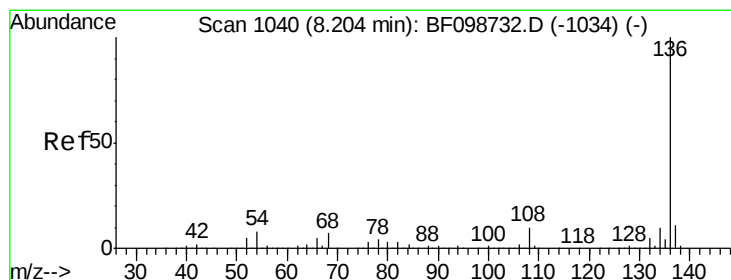
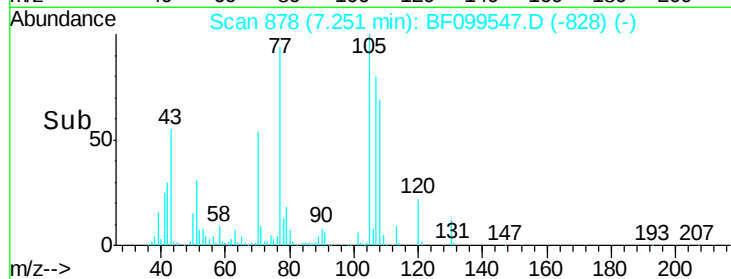
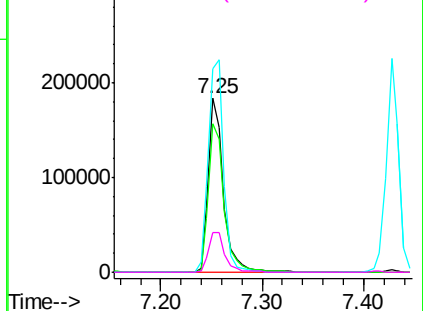


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

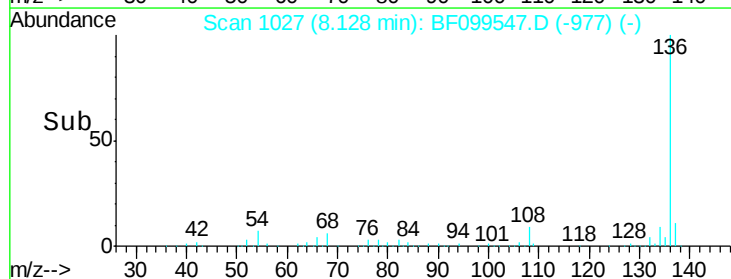
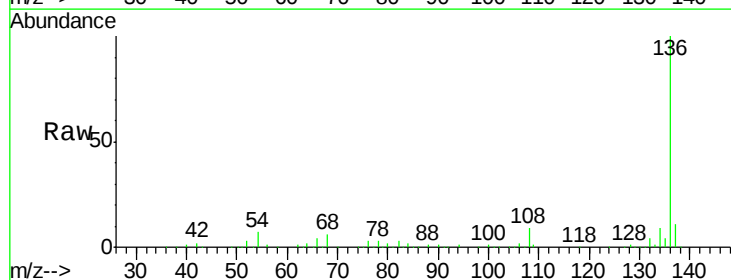
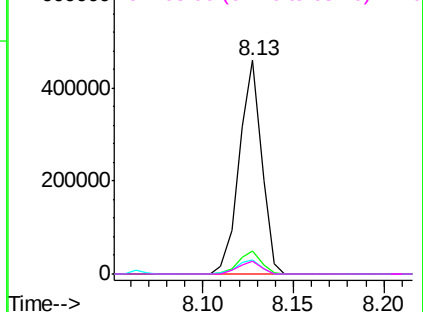
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 393057 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 6.9   | 6.6   | 9.8    |
| 68       | 5.9   | 5.0   | 7.4    |

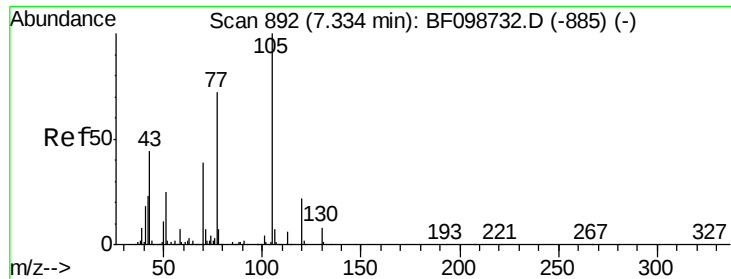
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

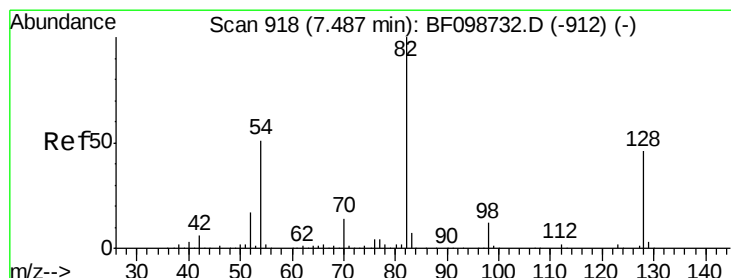
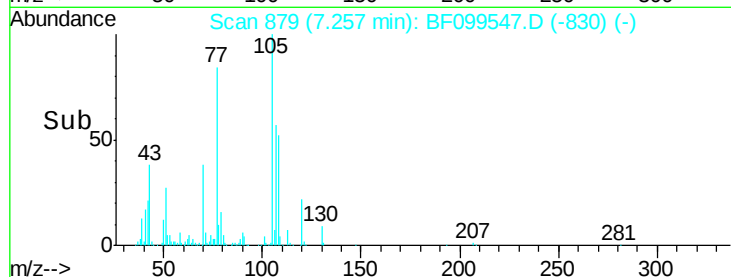
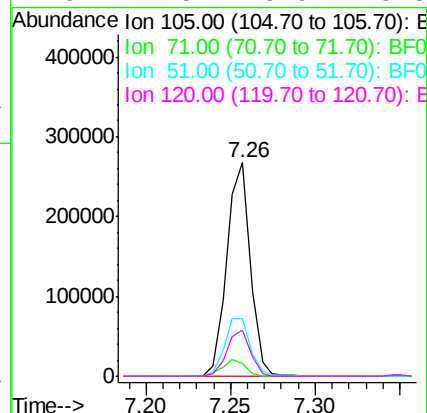
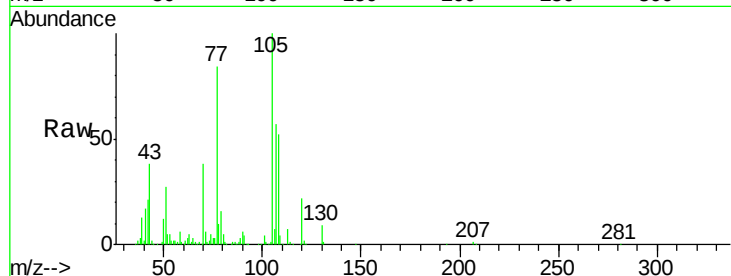




#22  
Acetophenone  
Concen: 27.22 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

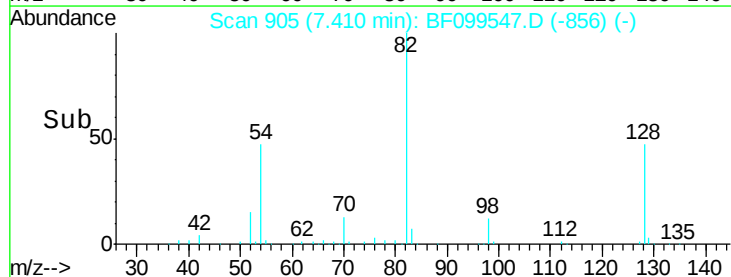
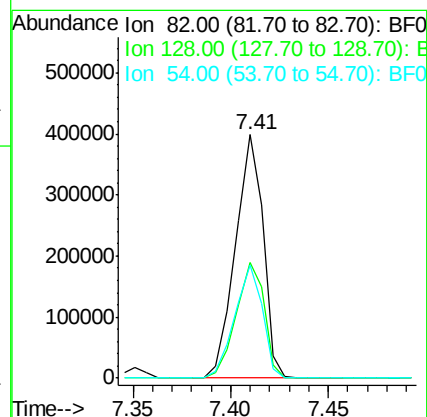
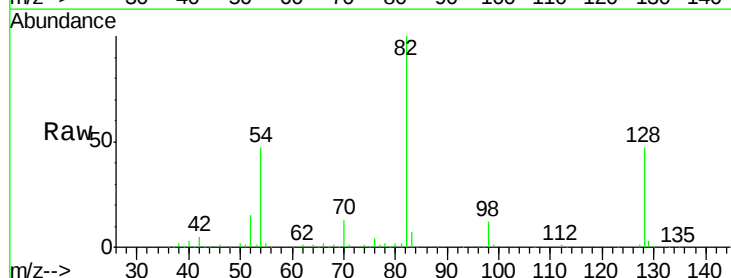
Instrument :  
BNA\_F  
ClientSampleId :

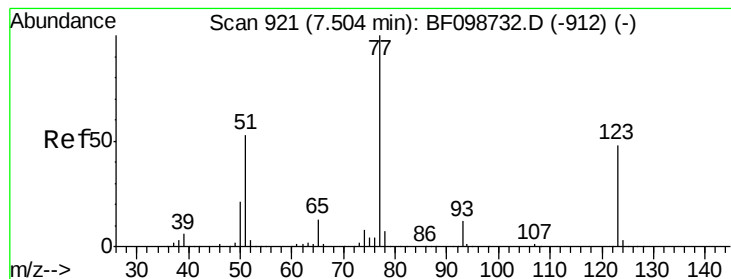
Tot Ion:105 Resp: 259265  
Ion Ratio Lower Upper  
105 100  
71 6.3 4.4 6.6  
51 27.0 22.3 33.5  
120 21.5 16.9 25.3



#23  
Nitrobenzene-d5  
Concen: 64.12 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion: 82 Resp: 392971  
Ion Ratio Lower Upper  
82 100  
128 47.3 36.1 54.1  
54 46.7 41.4 62.2





#24

Nitrobenzene

Concen: 27.54 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :

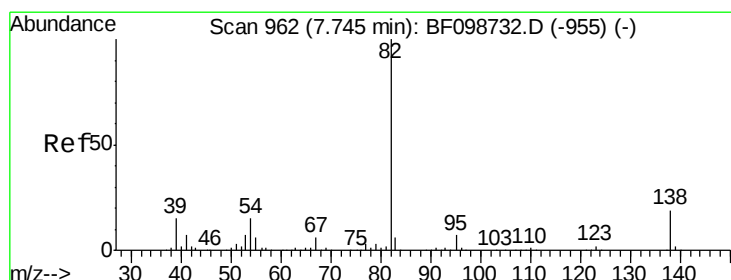
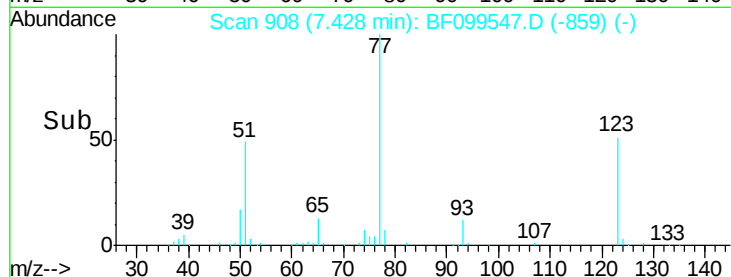
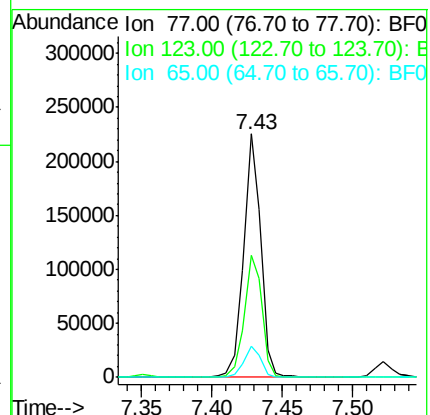
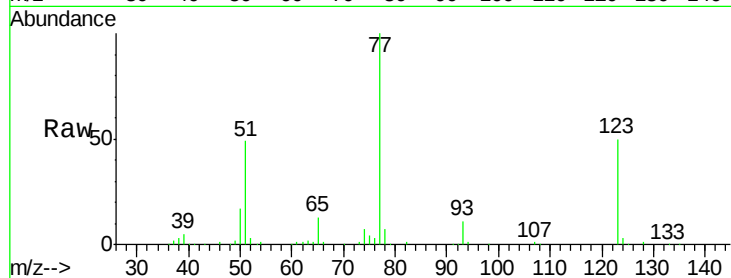
Tot Ion: 77 Resp: 191495

Ion Ratio Lower Upper

77 100

123 50.2 37.9 56.9

65 12.8 11.0 16.4



#25

Isophorone

Concen: 27.10 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

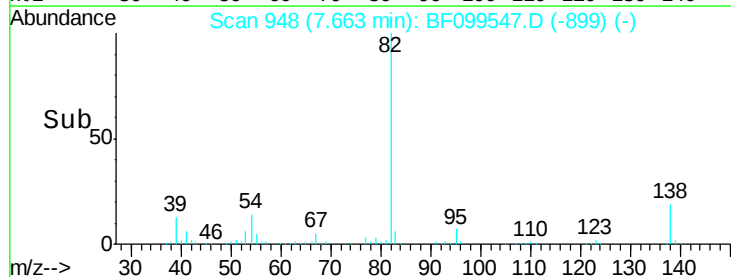
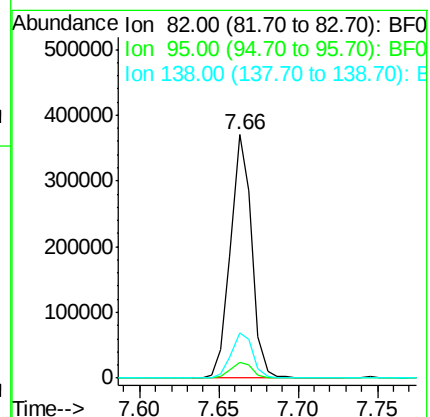
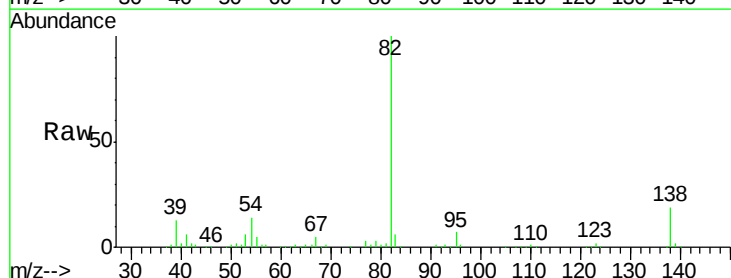
Tgt Ion: 82 Resp: 343361

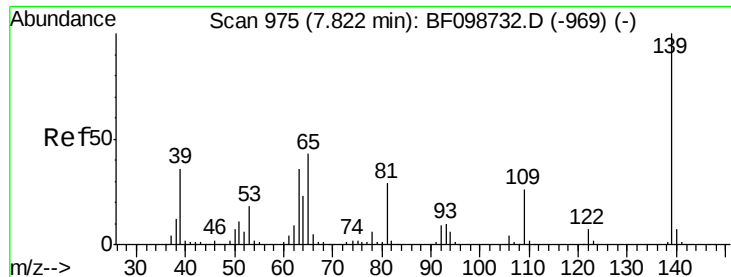
Ion Ratio Lower Upper

82 100

95 6.6 5.2 7.8

138 18.8 14.9 22.3

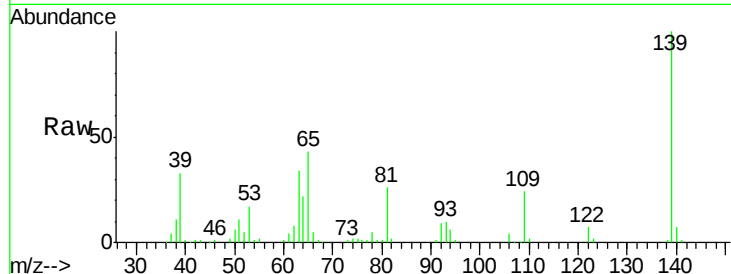




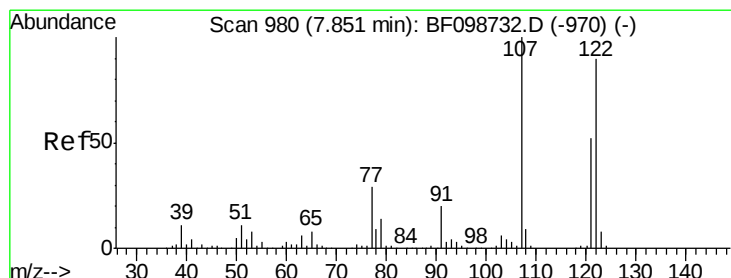
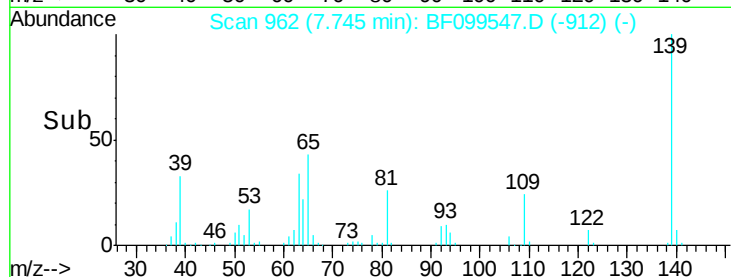
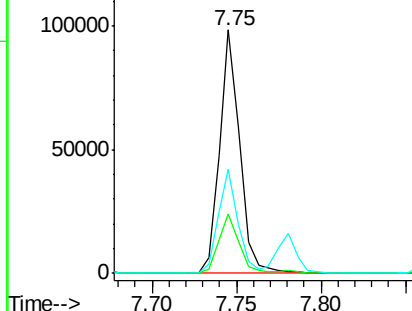
#26  
2-Nitrophenol  
Concen: 24.59 ng  
RT: 7.75 min Scan# 962  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 24.3  | 22.7  | 34.1  |
| 65      | 42.6  | 40.5  | 60.7  |

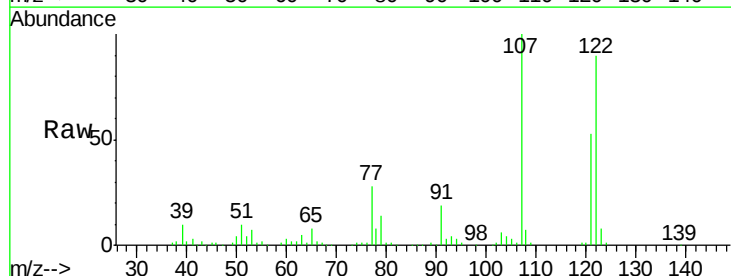


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): E

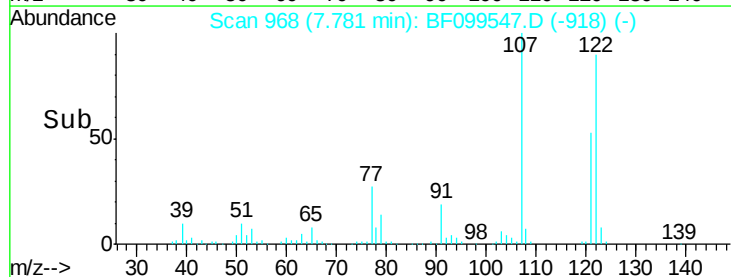
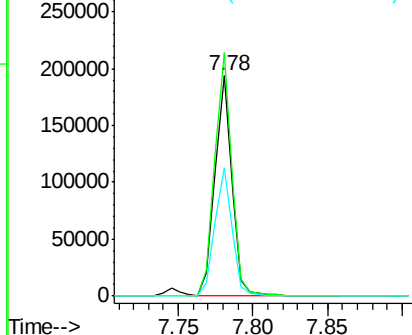


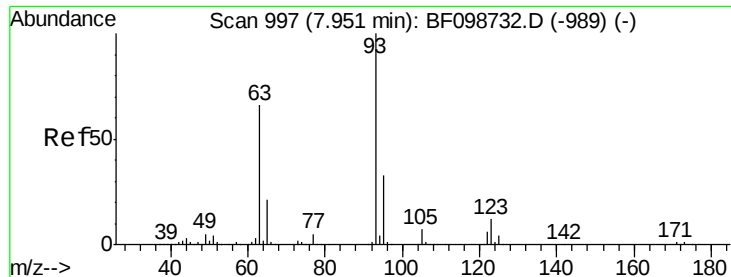
#27  
2,4-Dimethylphenol  
Concen: 24.54 ng  
RT: 7.78 min Scan# 968  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 110.5 | 91.2  | 136.8 |
| 121     | 58.5  | 47.2  | 70.8  |



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: 29.27 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :

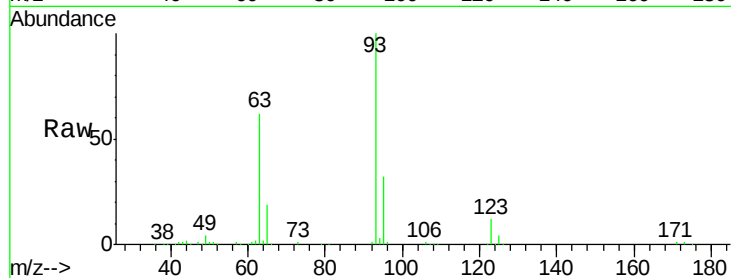
Tot Ion: 93 Resp: 231148

Ion Ratio Lower Upper

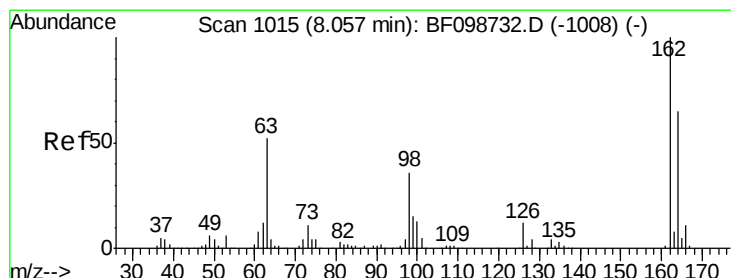
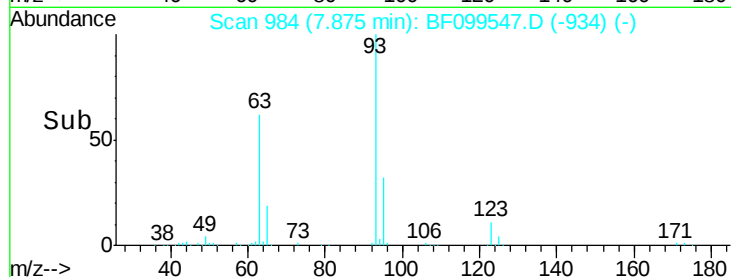
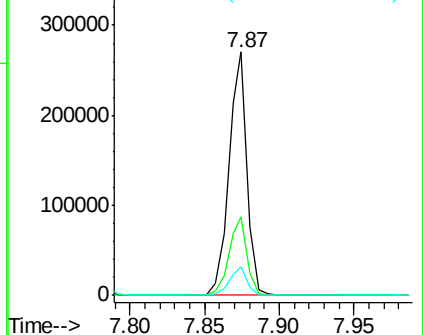
93 100

95 32.1 26.3 39.5

123 11.6 9.8 14.6



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): BF0



#29

2,4-Dichlorophenol

Concen: 26.17 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

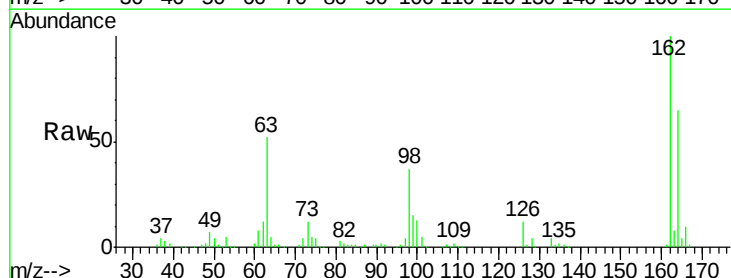
Tgt Ion: 162 Resp: 141876

Ion Ratio Lower Upper

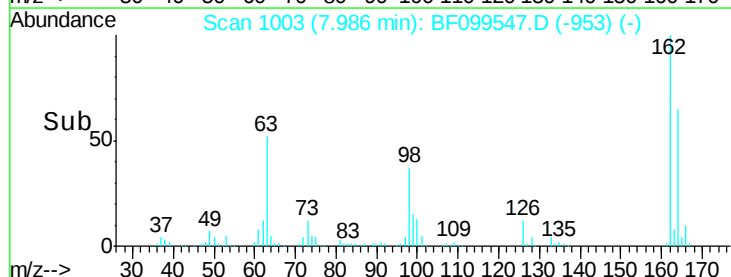
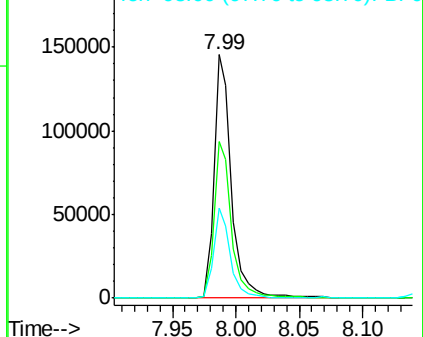
162 100

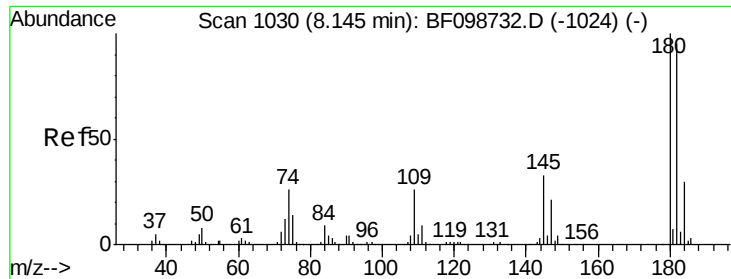
164 64.5 42.7 82.7

98 36.8 18.1 58.1



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

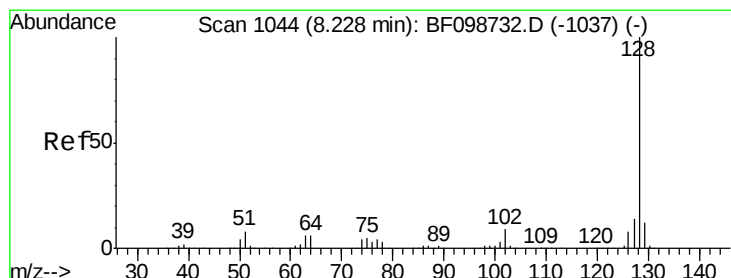
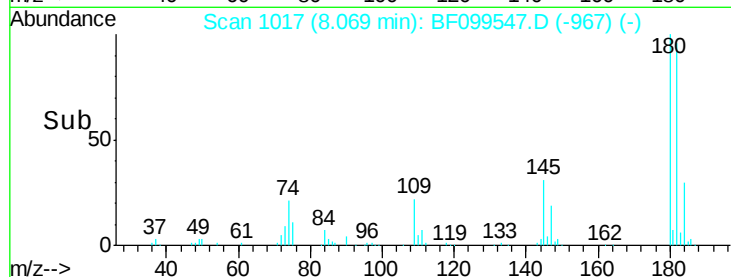
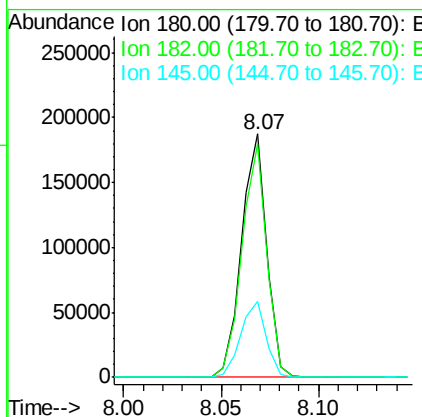
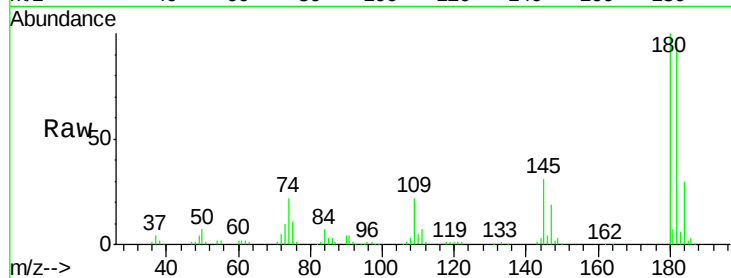




#30  
 1,2,4-Trichlorobenzene  
 Concen: 30.76 ng  
 RT: 8.07 min Scan# 1017  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

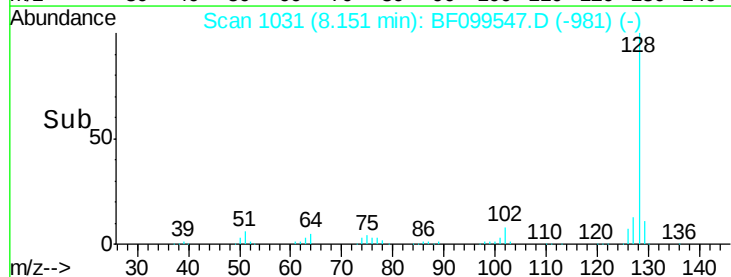
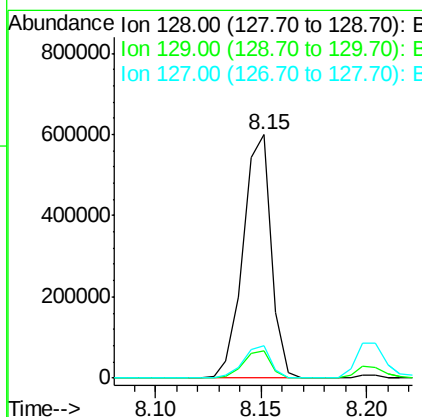
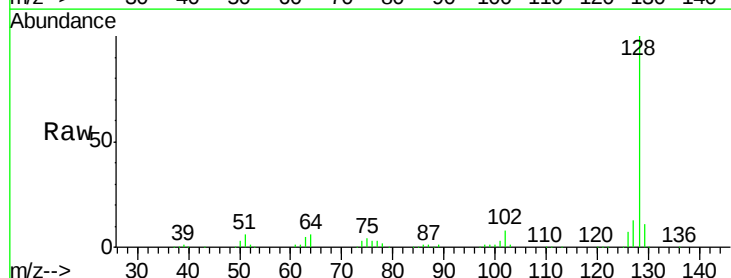
Instrument :  
 BNA\_F  
 ClientSampled :

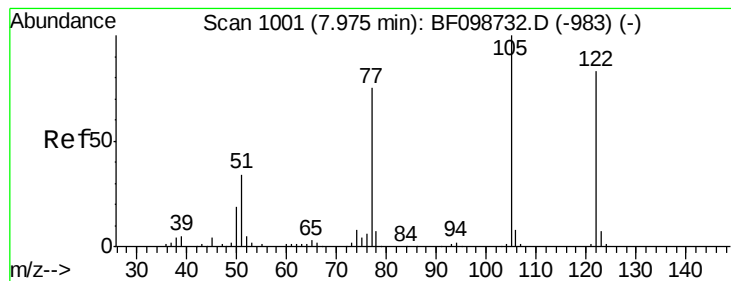
Tot Ion:180 Resp: 166763  
 Ion Ratio Lower Upper  
 180 100  
 182 95.6 76.8 115.2  
 145 31.0 26.5 39.7



#31  
 Naphthalene  
 Concen: 30.04 ng  
 RT: 8.15 min Scan# 1031  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

Tgt Ion:128 Resp: 554465  
 Ion Ratio Lower Upper  
 128 100  
 129 11.1 8.8 13.2  
 127 13.4 10.9 16.3





#32

Benzoic acid

Concen: 29.88 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.14 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :

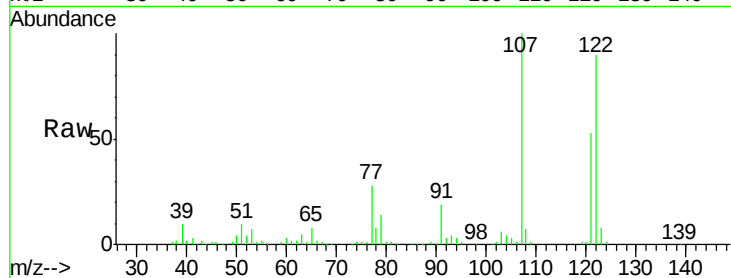
Tot Ion:122 Resp: 154958

Ion Ratio Lower Upper

122 100

105 3.5 101.1 141.1#

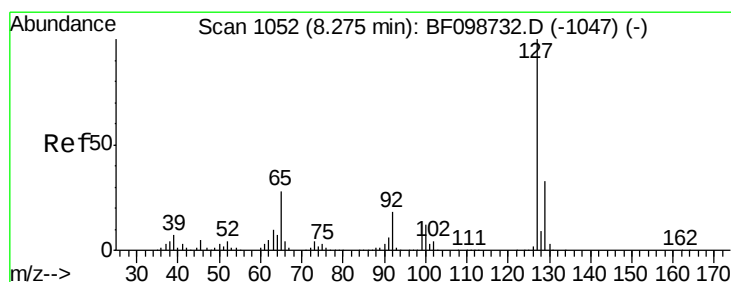
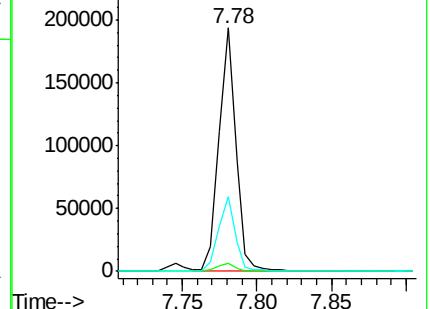
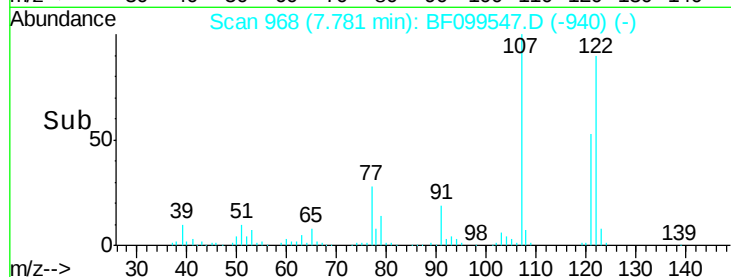
77 30.4 70.7 110.7#



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: 12.01 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Tgt Ion:127 Resp: 92571

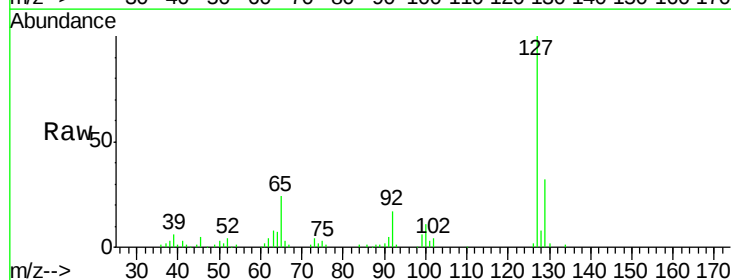
Ion Ratio Lower Upper

127 100

129 31.5 25.9 38.9

65 23.8 25.0 37.4#

92 16.7 15.2 22.8

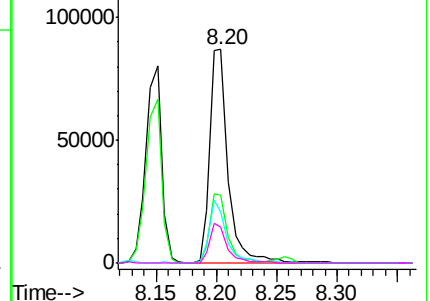
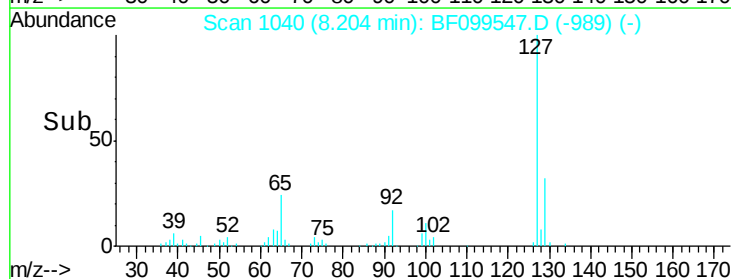


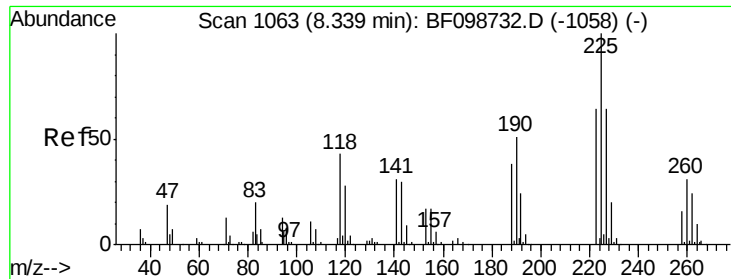
Abundance Ion 127.00 (126.70 to 127.70): E

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

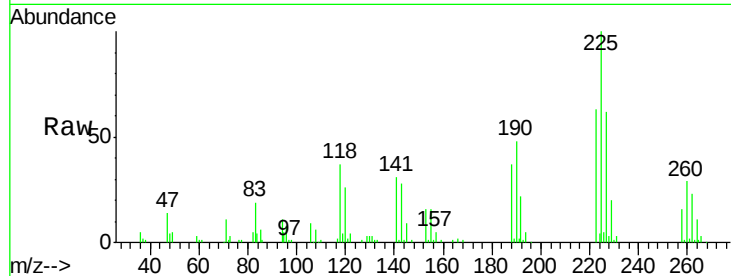




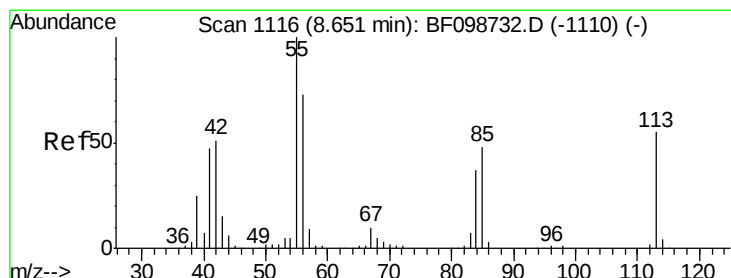
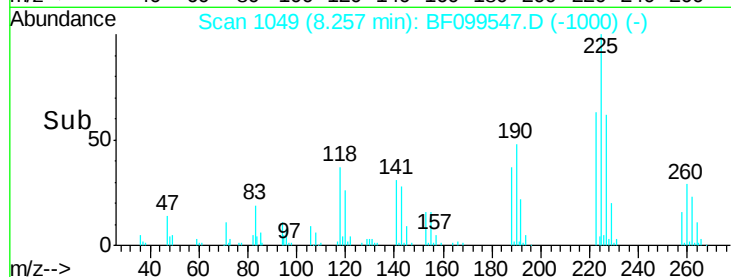
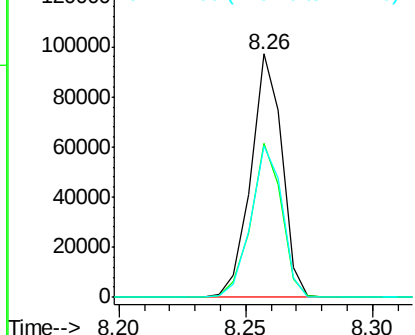
#34  
Hexachlorobutadiene  
Concen: 29.74 ng  
RT: 8.26 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:225 Resp: 83058  
Ion Ratio Lower Upper  
225 100  
223 63.2 50.6 76.0  
227 62.2 51.9 77.9

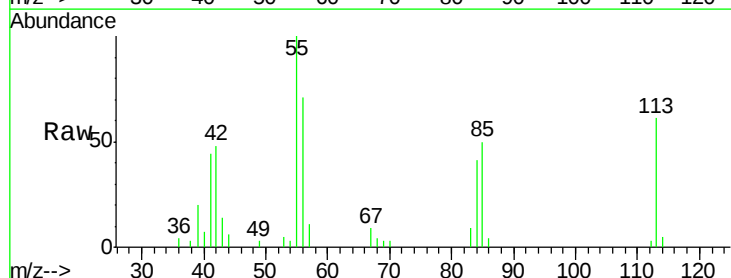


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

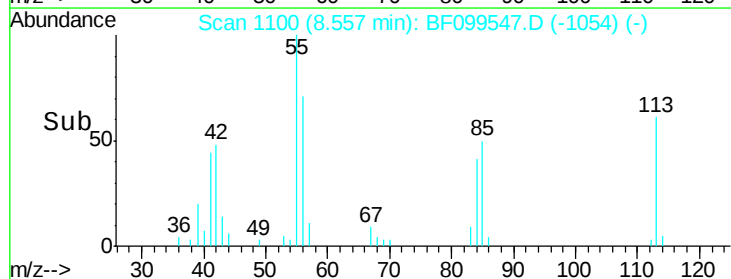
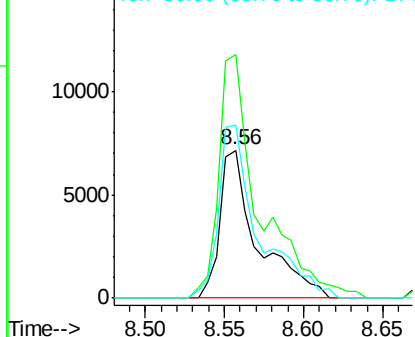


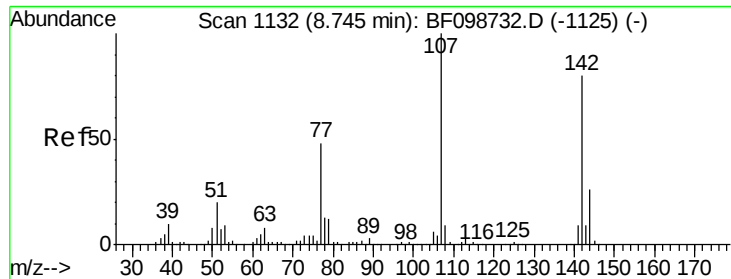
#35  
Caprolactam  
Concen: 6.79 ng  
RT: 8.56 min Scan# 1100  
Delta R.T. -0.03 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion:113 Resp: 11814  
Ion Ratio Lower Upper  
113 100  
55 164.2 163.3 203.3  
56 116.7 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF0  
Ion 56.00 (55.70 to 56.70): BF0

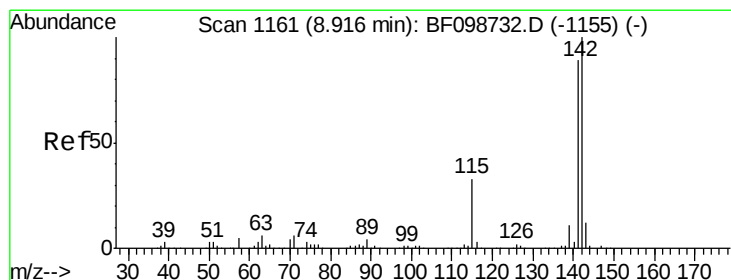
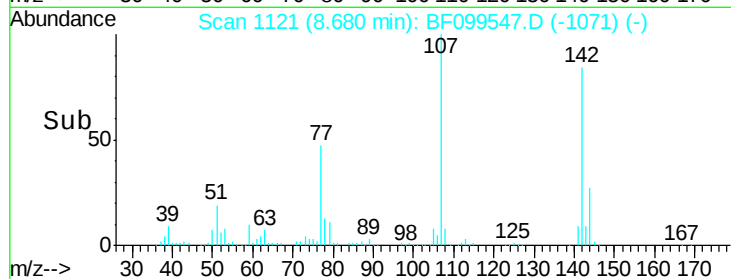
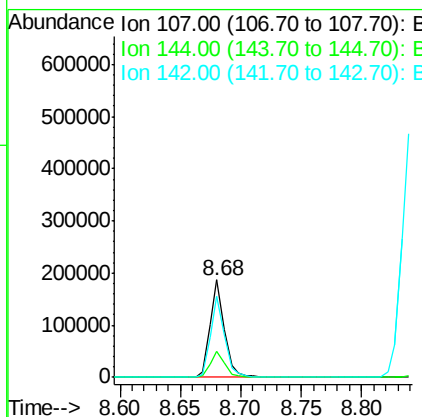
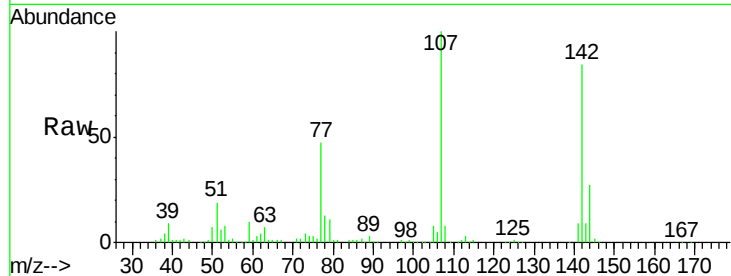




#36  
 4-Chloro-3-methylphenol  
 Concen: 25.14 ng  
 RT: 8.68 min Scan# 1121  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

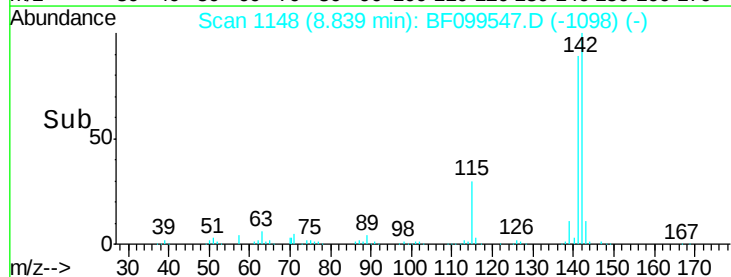
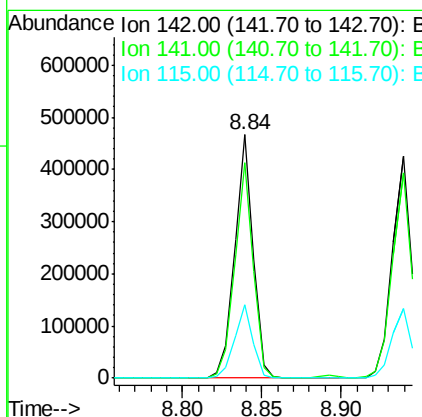
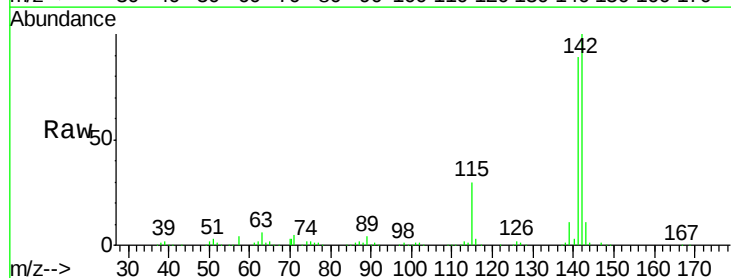
Instrument :  
 BNA\_F  
 ClientSampleId :

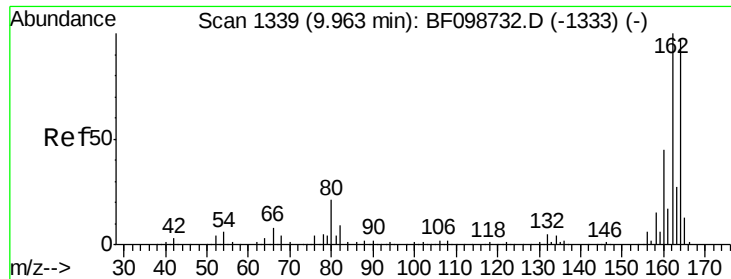
Tot Ion:107 Resp: 153179  
 Ion Ratio Lower Upper  
 107 100  
 144 26.8 20.5 30.7  
 142 83.9 62.0 93.0



#37  
 2-Methylnaphthalene  
 Concen: 31.23 ng  
 RT: 8.84 min Scan# 1148  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

Tgt Ion:142 Resp: 374790  
 Ion Ratio Lower Upper  
 142 100  
 141 88.6 70.8 106.2  
 115 30.0 26.1 39.1

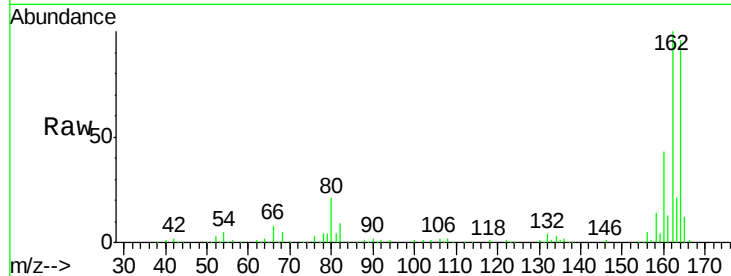




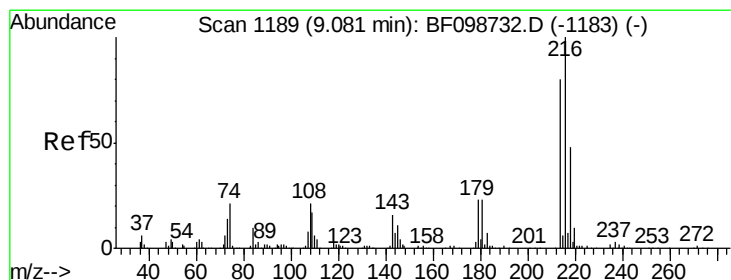
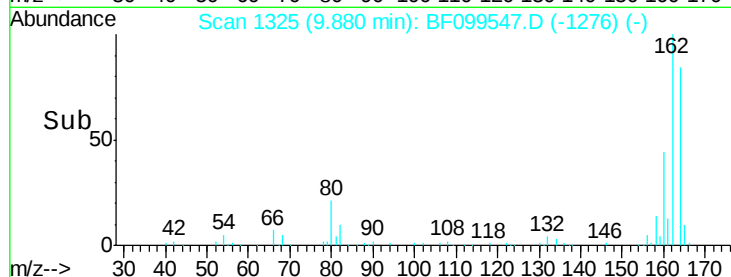
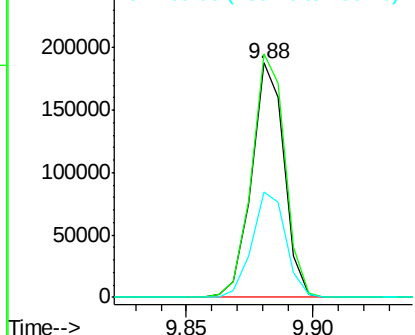
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:164 Resp: 167106  
Ion Ratio Lower Upper  
164 100  
162 103.8 86.1 129.1  
160 45.1 38.3 57.5

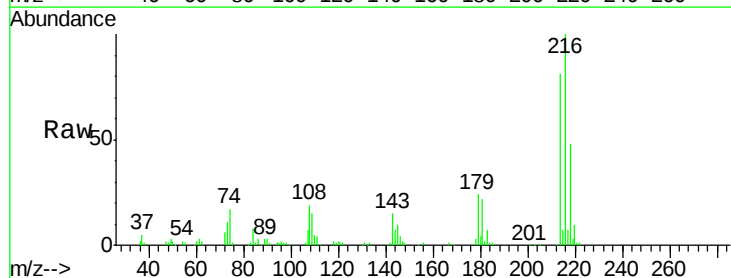


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

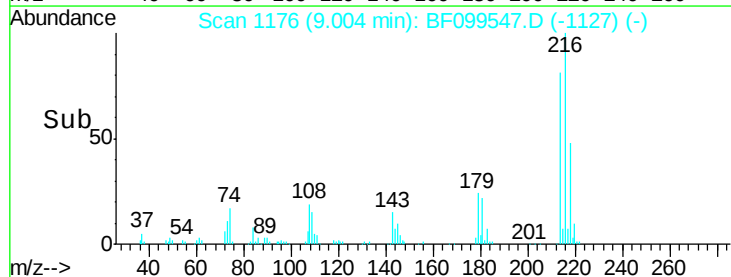
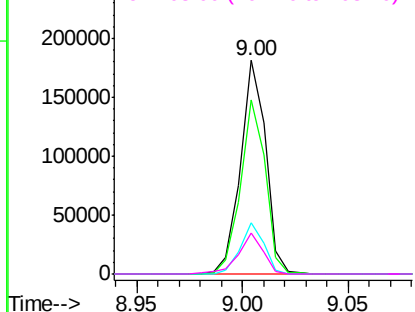


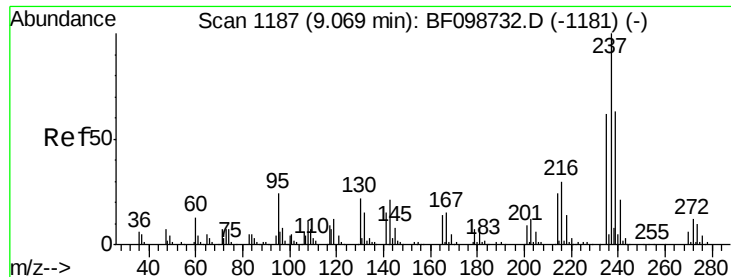
#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 29.97 ng  
RT: 9.00 min Scan# 1176  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion:216 Resp: 149367  
Ion Ratio Lower Upper  
216 100  
214 80.2 63.0 94.4  
179 22.6 18.1 27.1  
108 19.1 17.2 25.8



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

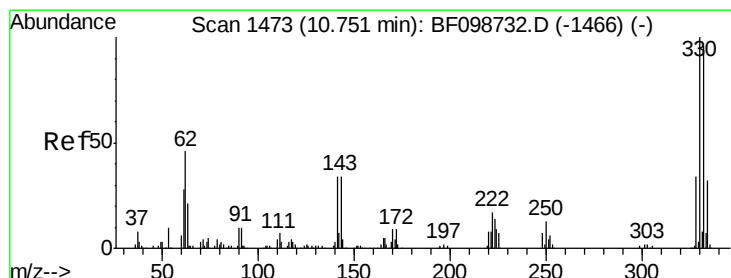
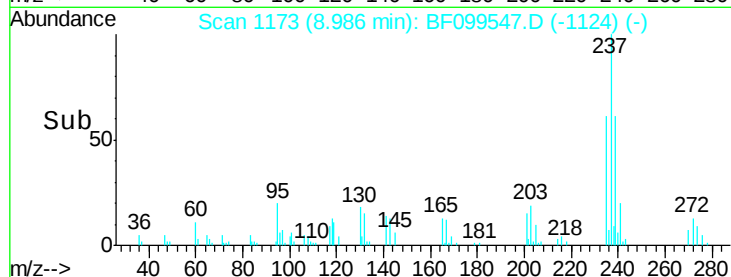
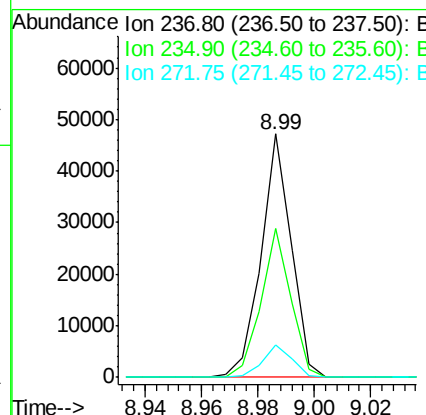
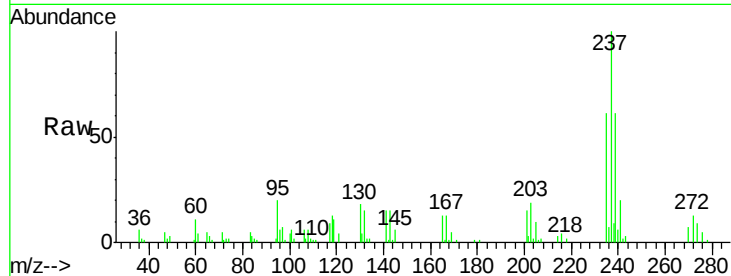




#40  
Hexachlorocyclopentadiene  
Concen: 15.32 ng  
RT: 8.99 min Scan# 1173  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

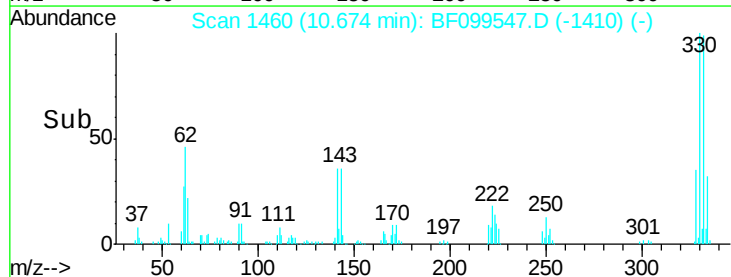
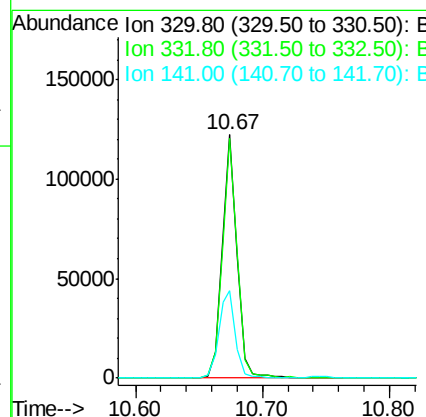
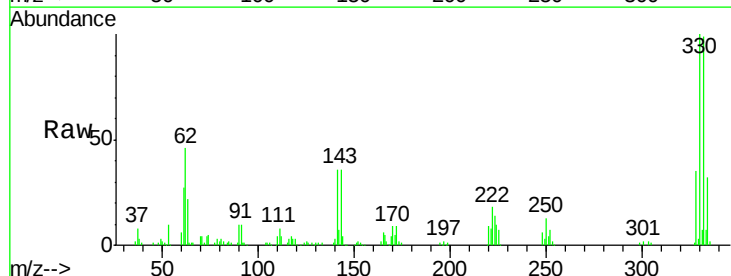
Instrument :  
BNA\_F  
ClientSampleId :

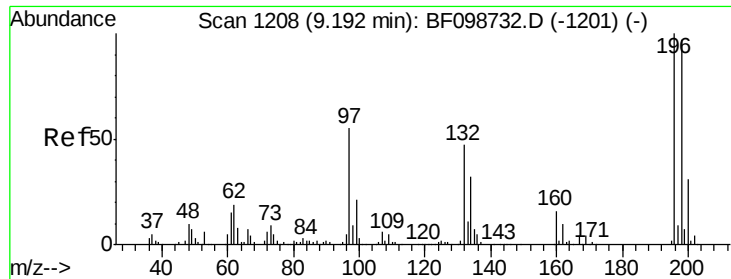
Tot Ion:237 Resp: 34882  
Ion Ratio Lower Upper  
237 100  
235 61.3 44.8 84.8  
272 13.2 0.0 33.3



#41  
2,4,6-Tribromophenol  
Concen: 74.74 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion:330 Resp: 102201  
Ion Ratio Lower Upper  
330 100  
332 98.1 77.0 115.6  
141 39.4 29.9 44.9

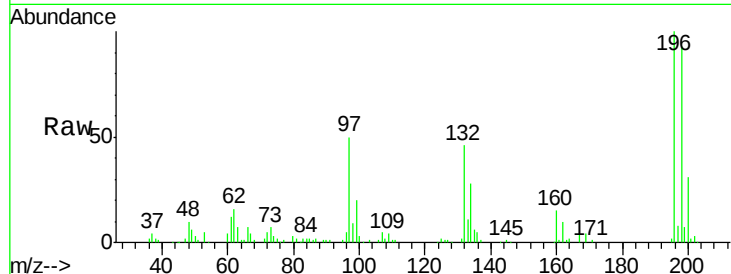




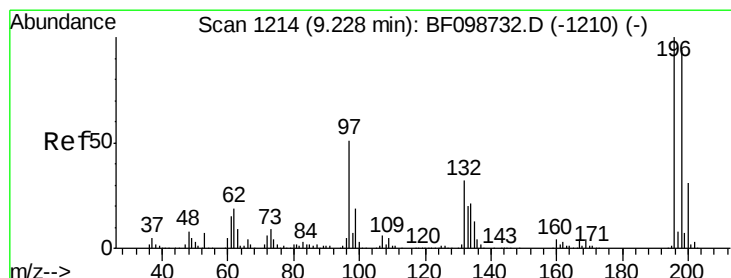
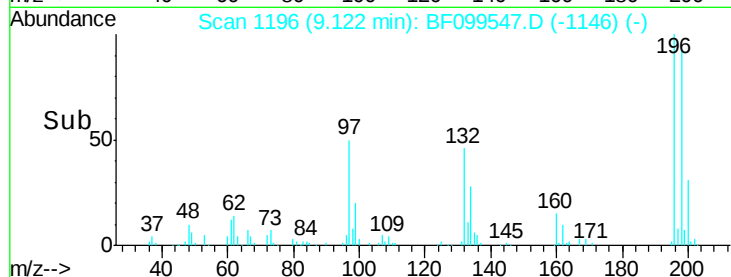
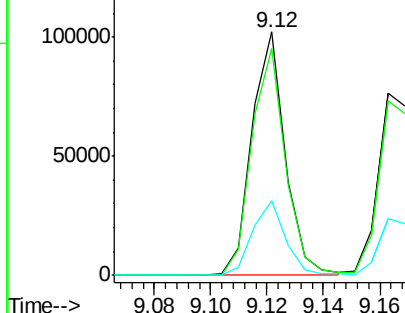
#42  
 2,4,6-Trichlorophenol  
 Concen: 23.62 ng  
 RT: 9.12 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:196 Resp: 83381  
 Ion Ratio Lower Upper  
 196 100  
 198 93.5 75.7 113.5  
 200 30.6 24.5 36.7

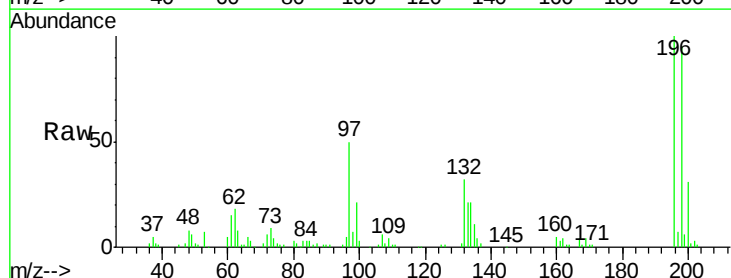


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

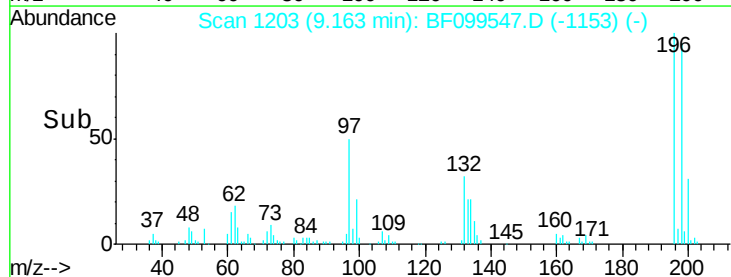
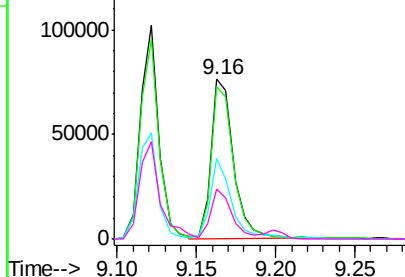


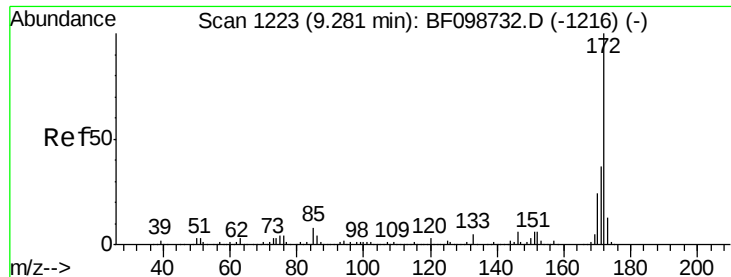
#43  
 2,4,5-Trichlorophenol  
 Concen: 21.52 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

Tgt Ion:196 Resp: 75827  
 Ion Ratio Lower Upper  
 196 100  
 198 95.5 74.6 112.0  
 97 50.0 42.9 64.3  
 132 31.5 26.3 39.5



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: 75.10 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :

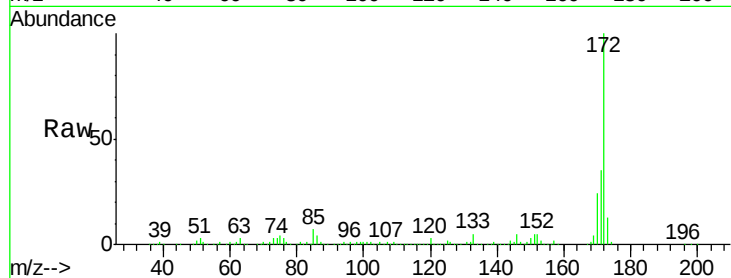
Tot Ion:172 Resp: 751750

Ion Ratio Lower Upper

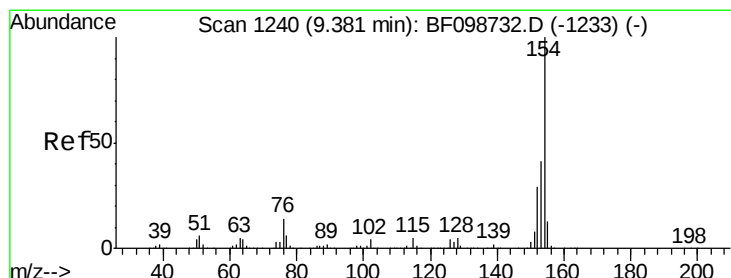
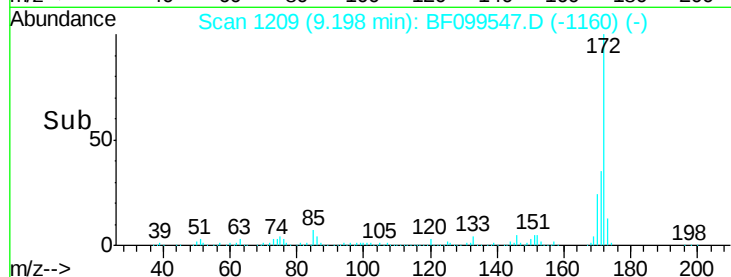
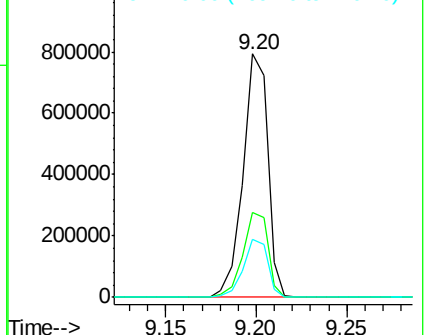
172 100

171 34.9 29.7 44.5

170 23.9 19.6 29.4



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: 30.26 ng

RT: 9.30 min Scan# 1227

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

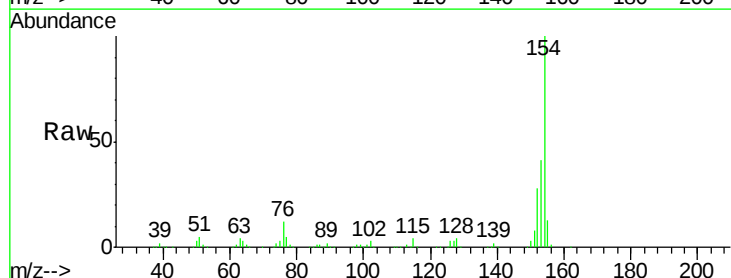
Tgt Ion:154 Resp: 434633

Ion Ratio Lower Upper

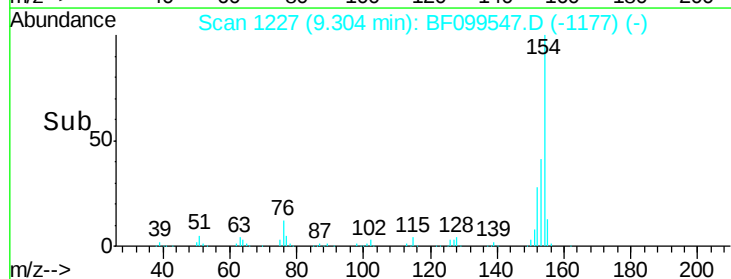
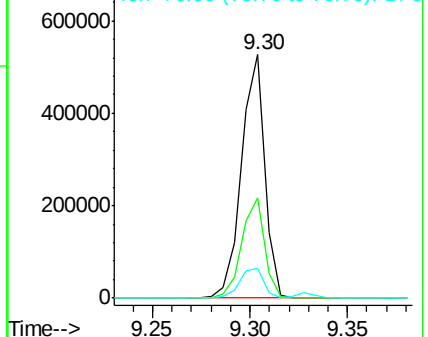
154 100

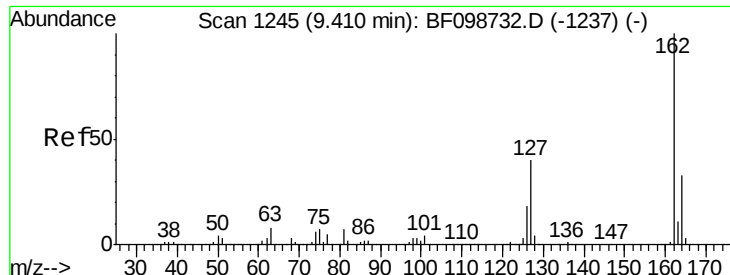
153 41.1 21.3 61.3

76 12.4 0.0 34.0



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

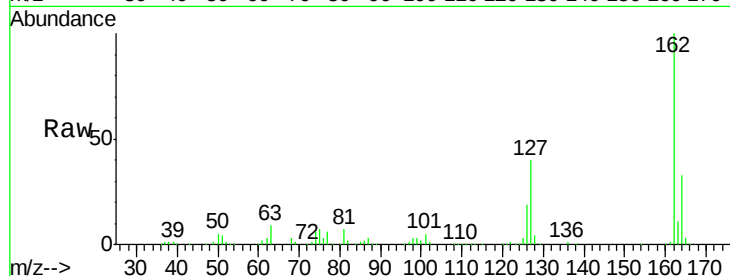




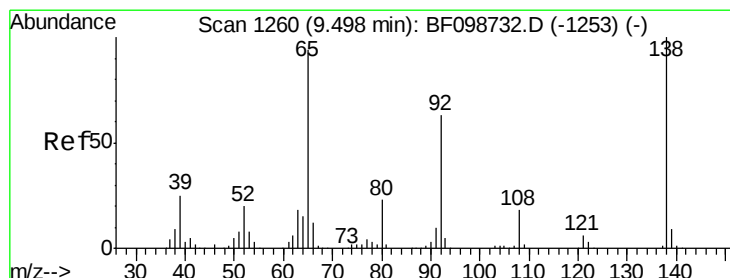
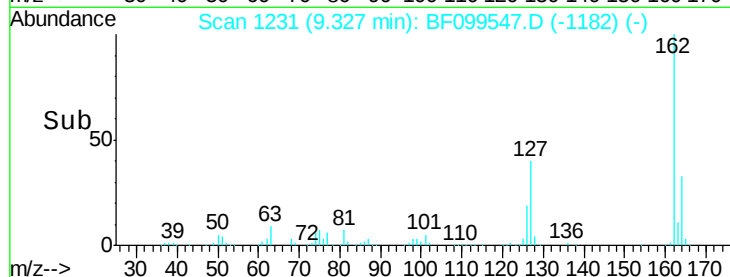
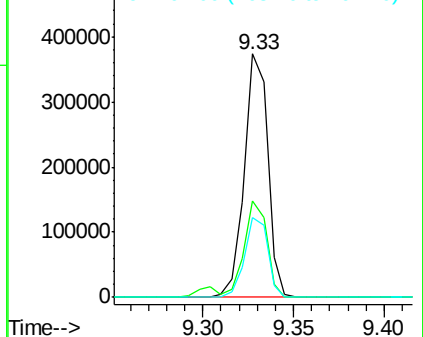
#46  
2-Chloronaphthalene  
Concen: 31.12 ng  
RT: 9.33 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:162 Resp: 335560  
Ion Ratio Lower Upper  
162 100  
127 39.8 33.9 50.9  
164 32.6 26.5 39.7

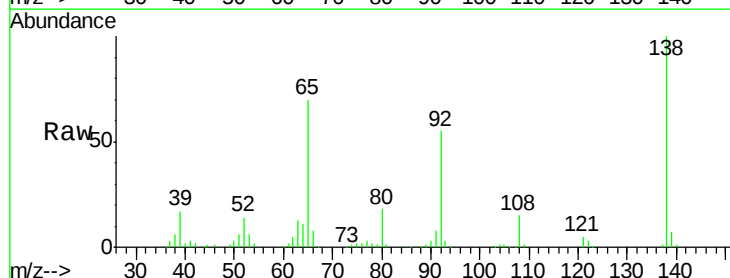


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

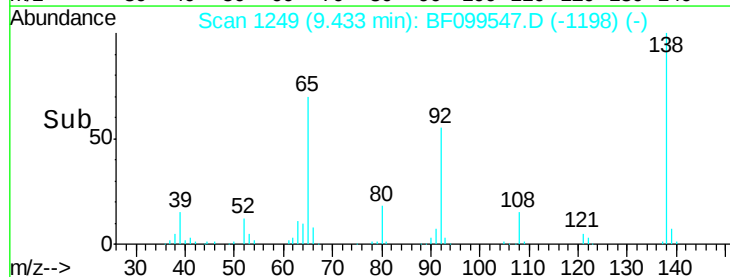
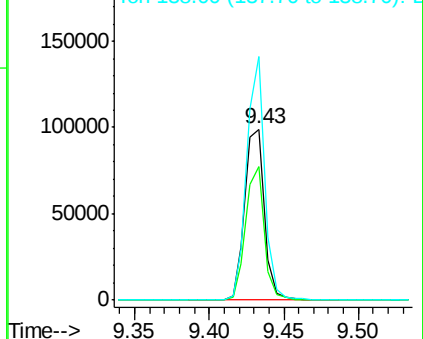


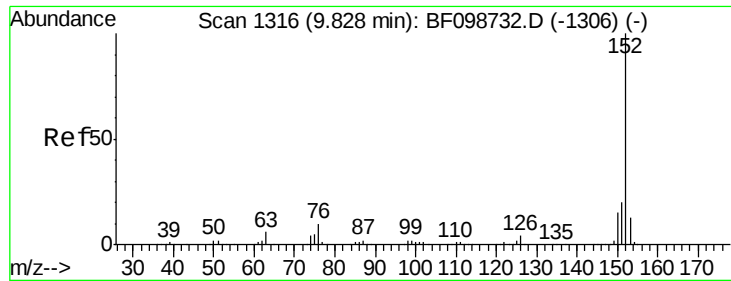
#47  
2-Nitroaniline  
Concen: 27.54 ng  
RT: 9.43 min Scan# 1249  
Delta R.T. -0.00 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion: 65 Resp: 90929  
Ion Ratio Lower Upper  
65 100  
92 78.4 55.8 83.6  
138 142.4 91.2 136.8#



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





#48

Acenaphthylene

Concen: 29.99 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :

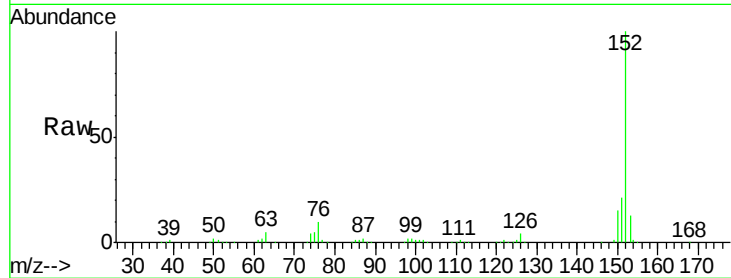
Tot Ion:152 Resp: 495039

Ion Ratio Lower Upper

152 100

151 20.9 16.3 24.5

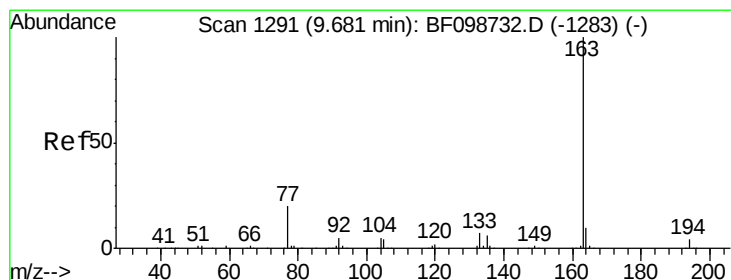
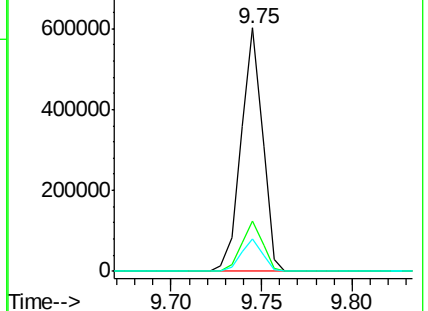
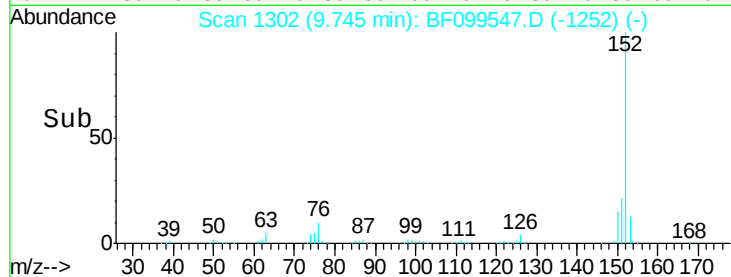
153 13.1 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 42.19 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

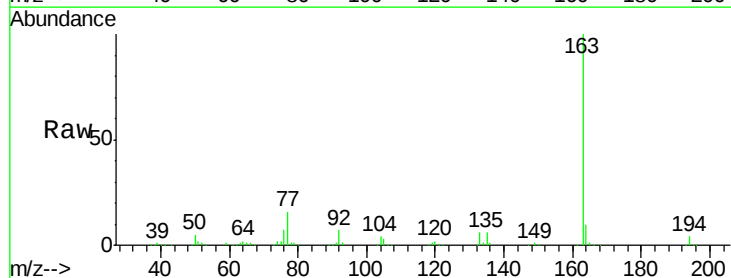
Tgt Ion:163 Resp: 532102

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

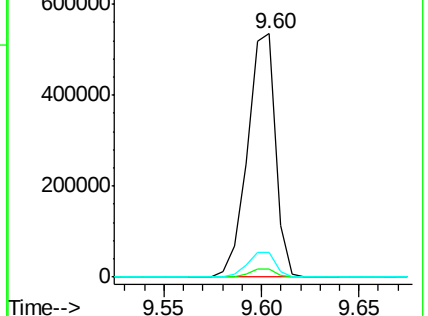
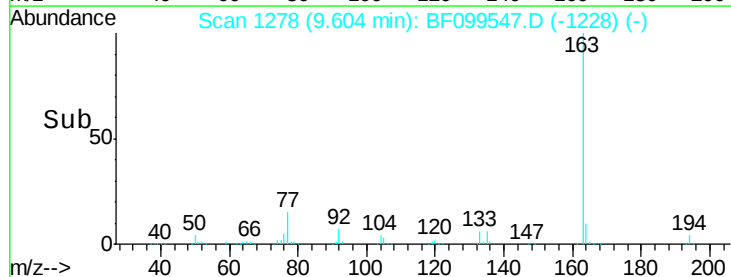
164 9.9 8.2 12.2

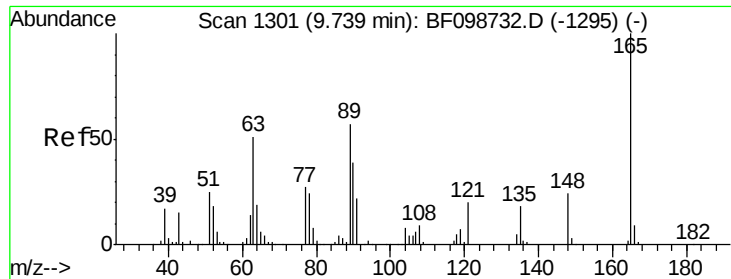


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

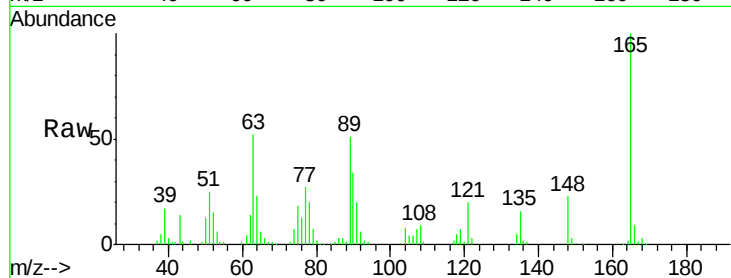




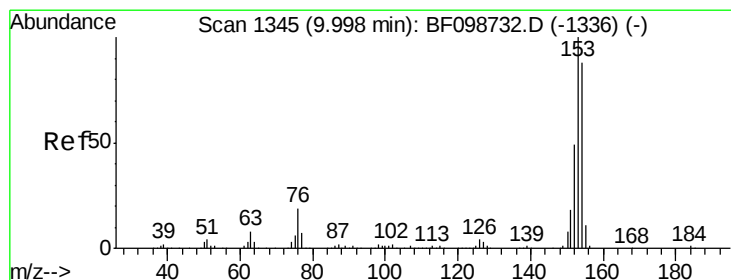
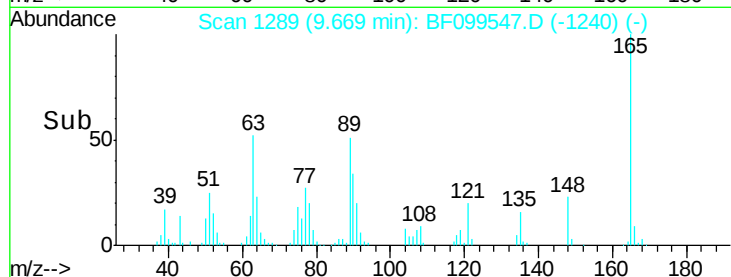
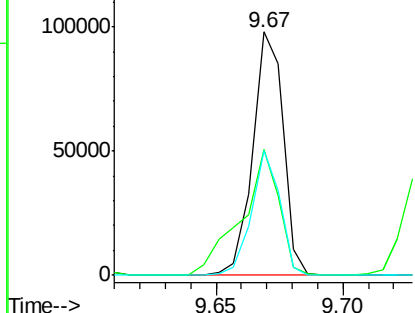
#50  
2,6-Dinitrotoluene  
Concen: 29.98 ng  
RT: 9.67 min Scan# 1289  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:165 Resp: 82319  
Ion Ratio Lower Upper  
165 100  
63 51.9 44.7 67.1  
89 51.2 44.0 66.0

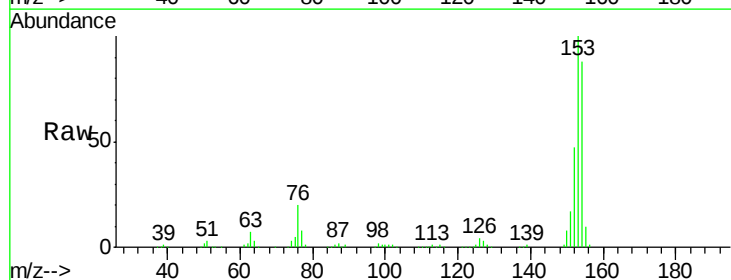


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0

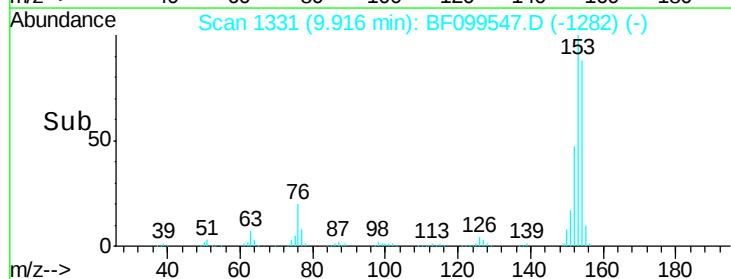
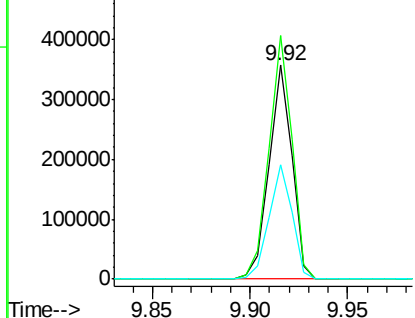


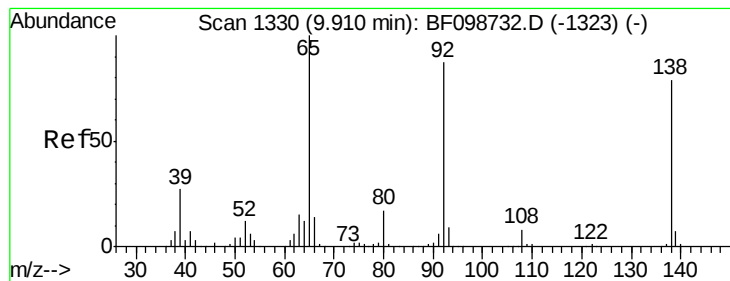
#51  
Acenaphthene  
Concen: 27.93 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion:154 Resp: 292065  
Ion Ratio Lower Upper  
154 100  
153 113.8 91.2 136.8  
152 53.6 43.8 65.8



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: 26.59 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :

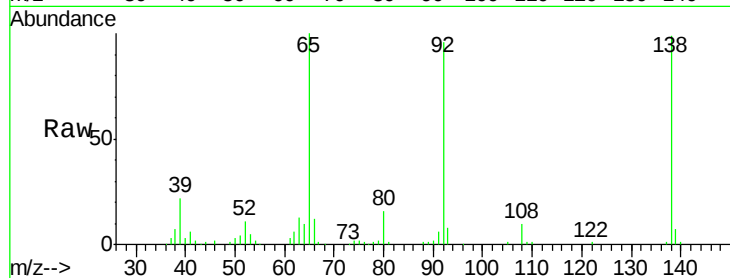
Tot Ion:138 Resp: 85137

Ion Ratio Lower Upper

138 100

108 10.0 9.4 14.0

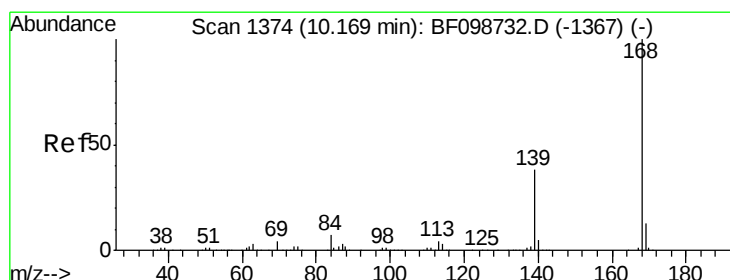
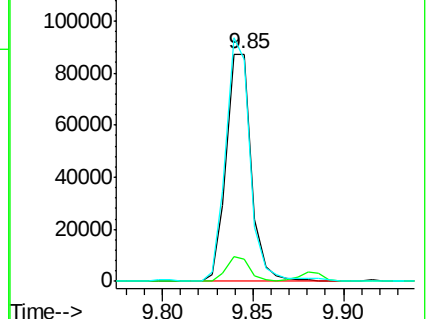
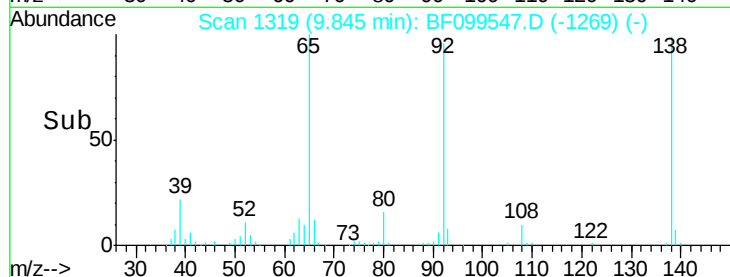
92 97.3 89.4 134.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#54

Dibenzofuran

Concen: 31.46 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

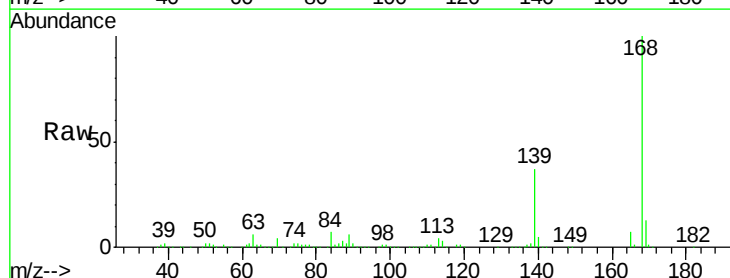
Tgt Ion:168 Resp: 438021

Ion Ratio Lower Upper

168 100

139 36.7 30.1 45.1

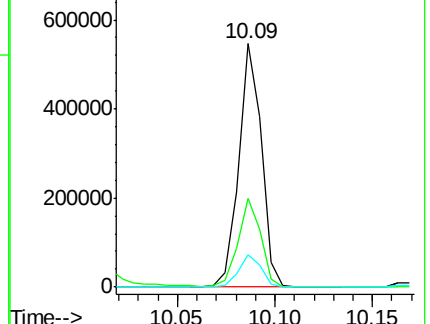
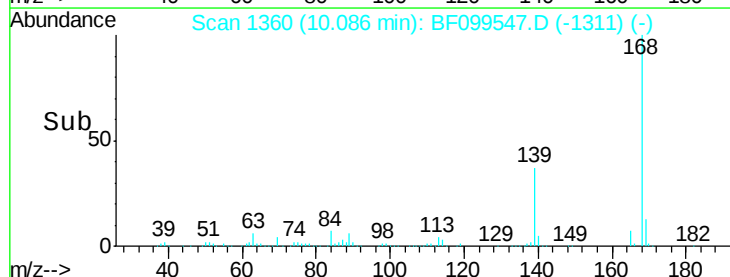
169 13.5 10.9 16.3

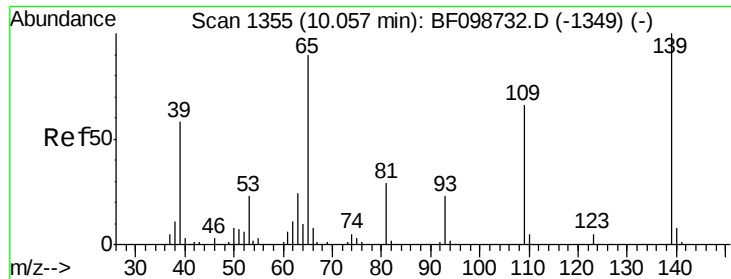


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

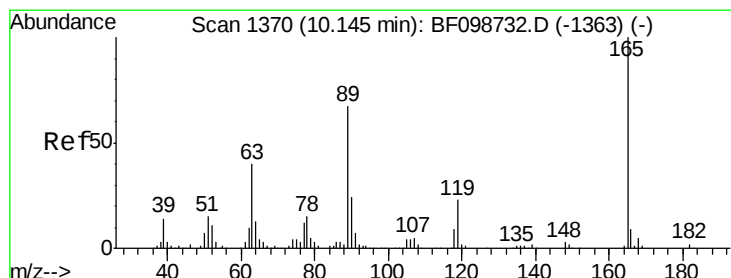
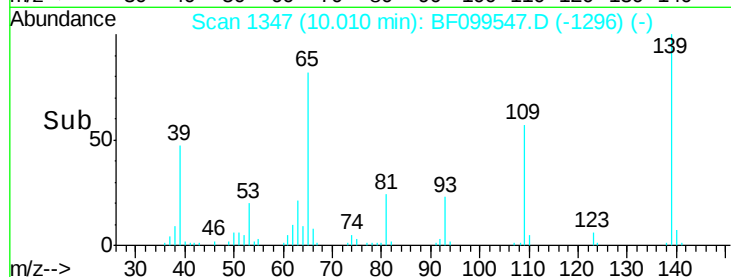
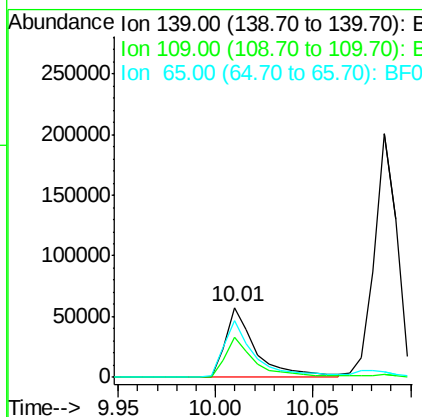
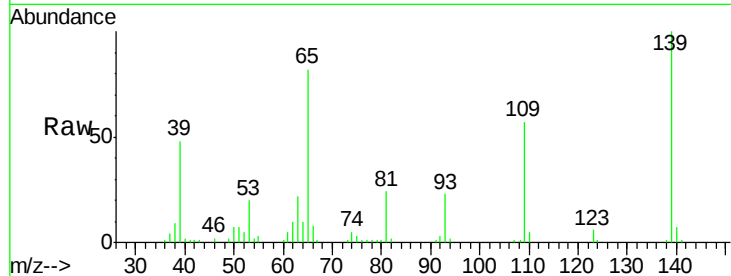




#55  
4-Nitrophenol  
Concen: 22.93 ng  
RT: 10.01 min Scan# 1347  
Delta R.T. -0.00 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

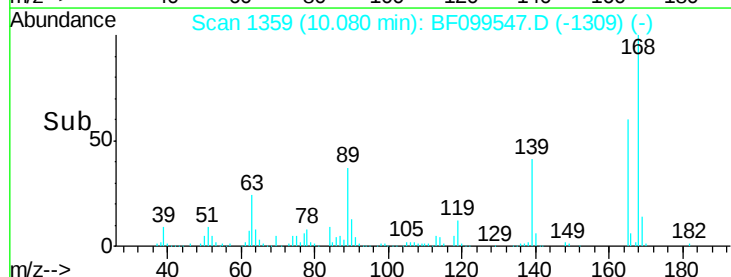
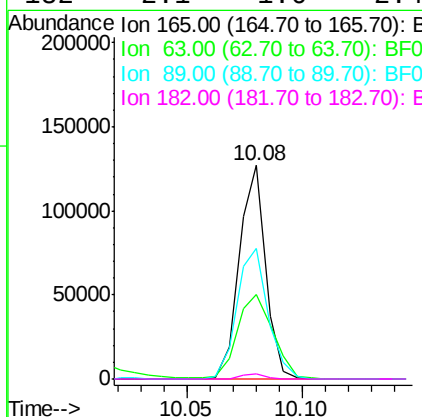
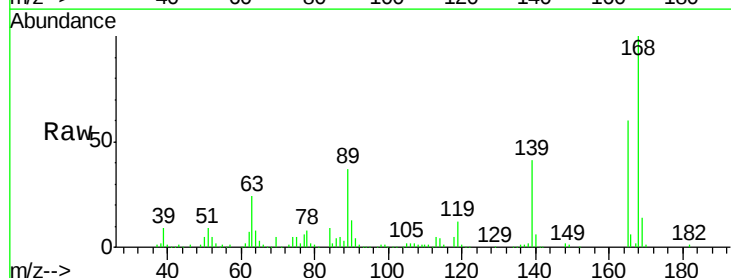
Instrument :  
BNA\_F  
ClientSampled :

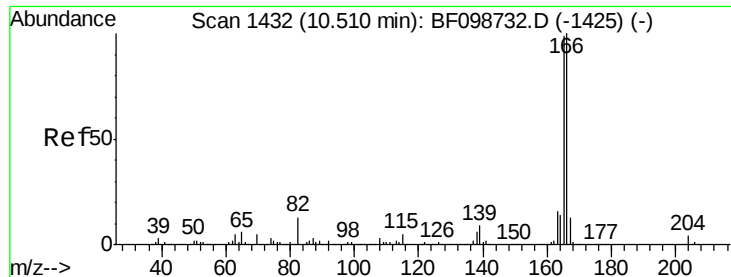
Tot Ion:139 Resp: 62063  
Ion Ratio Lower Upper  
139 100  
109 57.3 48.4 88.4  
65 81.9 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 28.41 ng  
RT: 10.08 min Scan# 1359  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion:165 Resp: 101232  
Ion Ratio Lower Upper  
165 100  
63 39.6 36.4 54.6  
89 61.3 57.8 86.6  
182 2.1 1.6 2.4

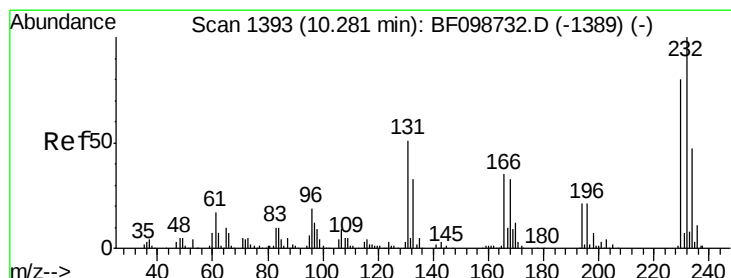
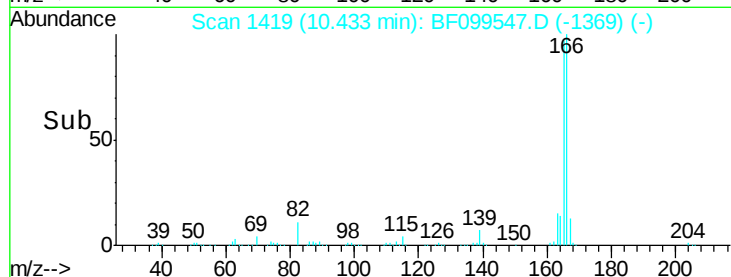
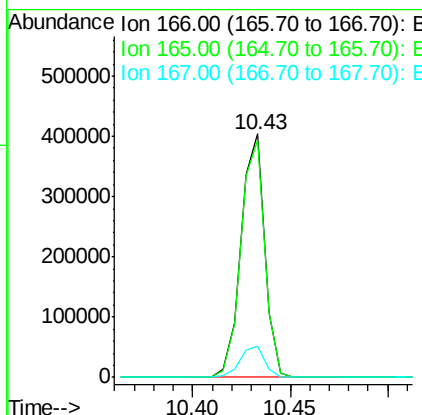
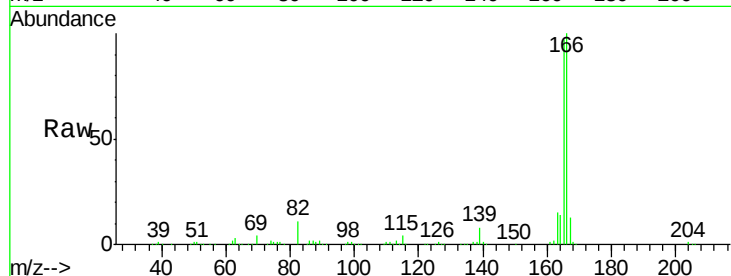




#57  
 Fluorene  
 Concen: 30.29 ng  
 RT: 10.43 min Scan# 1419  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

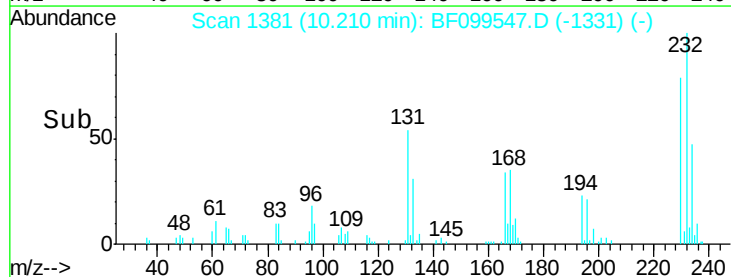
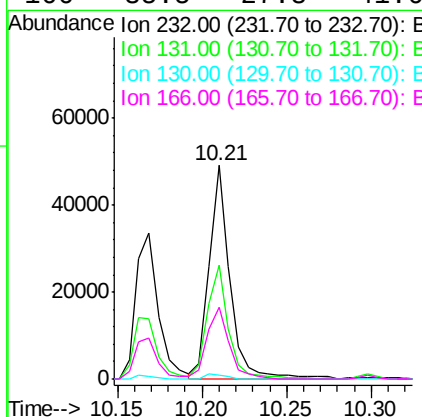
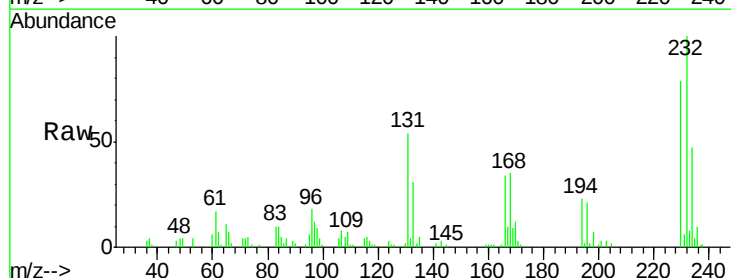
Instrument :  
 BNA\_F  
 ClientSampleId :

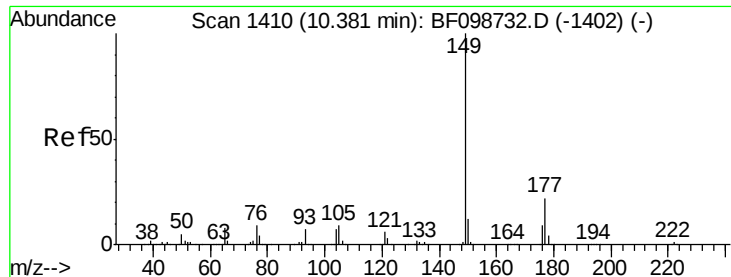
Tot Ion:166 Resp: 338956  
 Ion Ratio Lower Upper  
 166 100  
 165 97.5 79.8 119.8  
 167 13.0 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 17.58 ng  
 RT: 10.21 min Scan# 1381  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

Tgt Ion:232 Resp: 42805  
 Ion Ratio Lower Upper  
 232 100  
 131 54.4 43.8 65.8  
 130 2.2 2.1 3.1  
 166 35.5 27.8 41.6

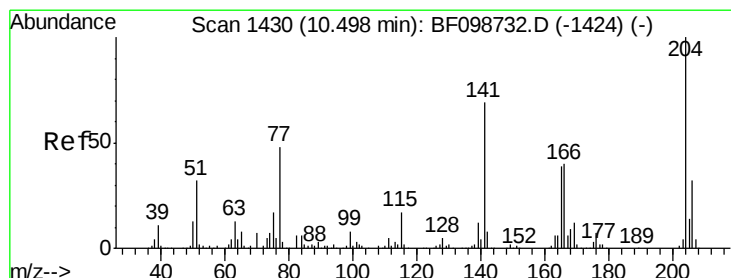
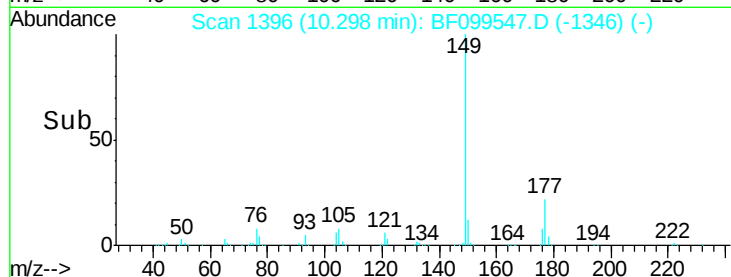
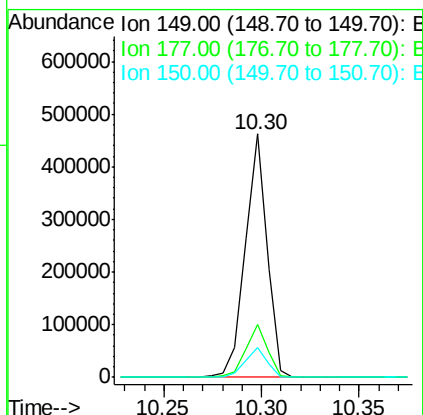
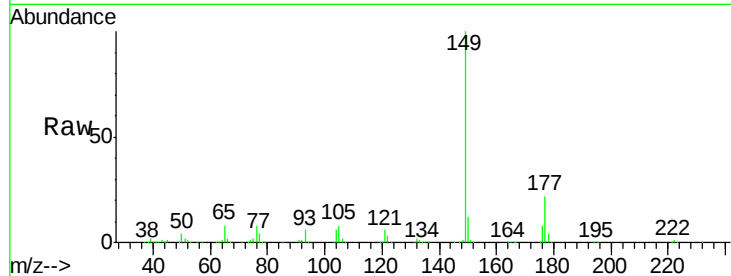




#59  
Diethylphthalate  
Concen: 29.10 ng  
RT: 10.30 min Scan# 1396  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

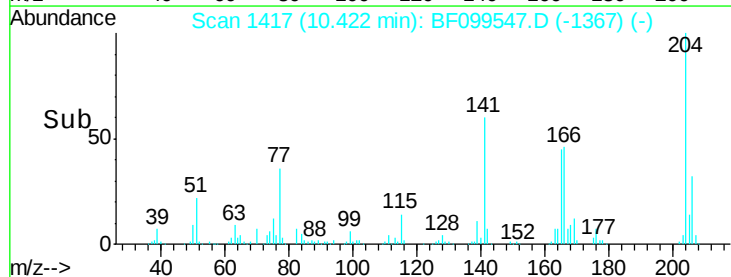
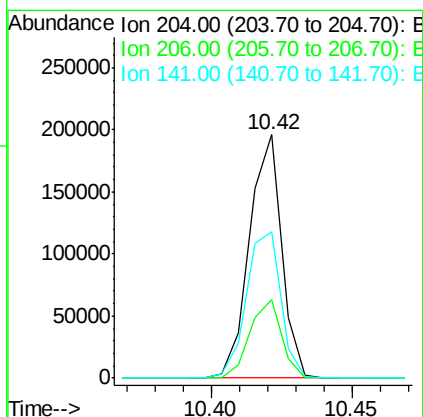
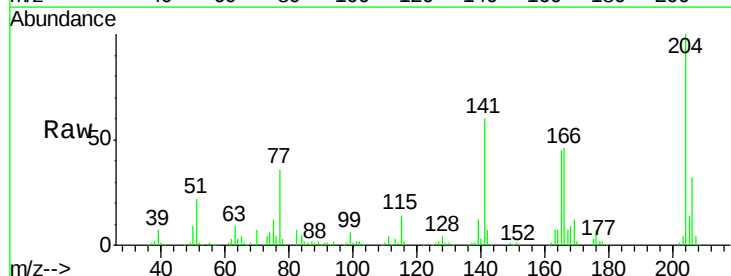
Instrument :  
BNA\_F  
ClientSampleId :

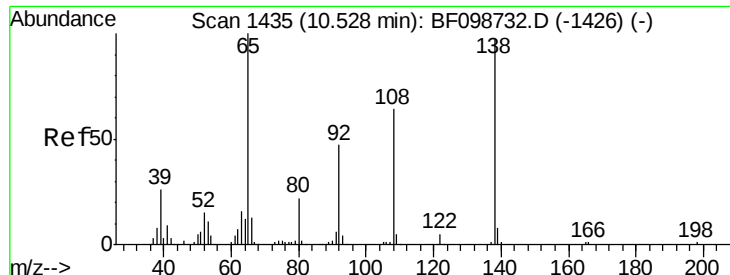
Tot Ion:149 Resp: 358652  
Ion Ratio Lower Upper  
149 100  
177 21.8 16.1 24.1  
150 12.4 10.1 15.1



#60  
4-Chlorophenyl-phenylether  
Concen: 30.86 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion:204 Resp: 155110  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.5 39.7  
141 60.3 54.6 81.8

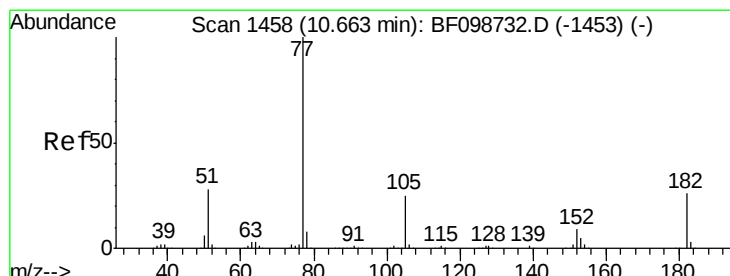
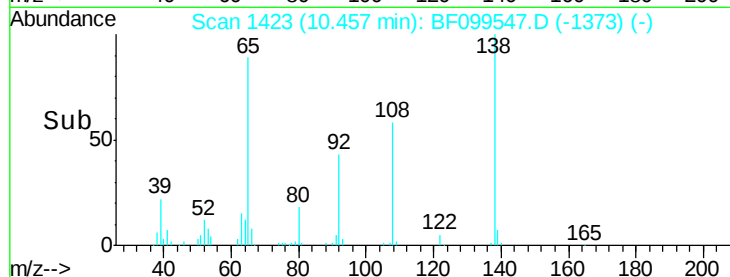
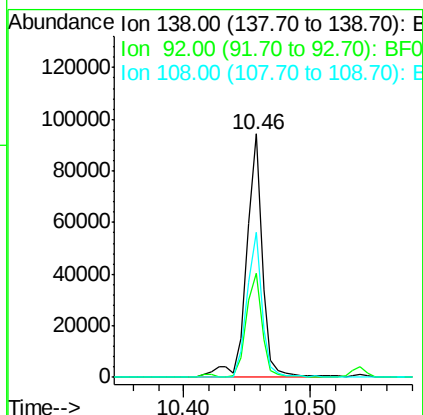
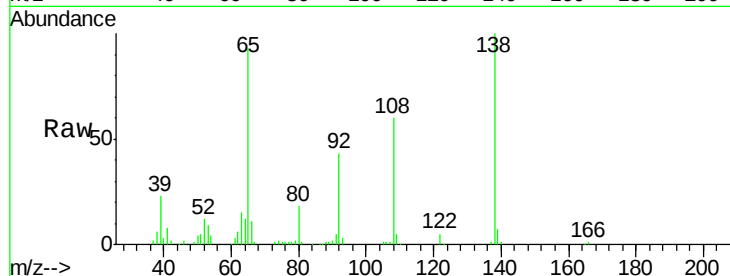




#61  
4-Nitroaniline  
Concen: 26.35 ng  
RT: 10.46 min Scan# 1423  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

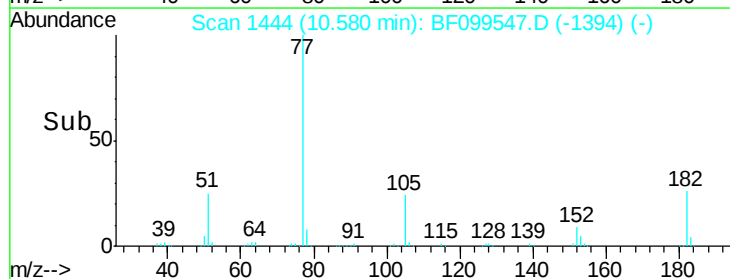
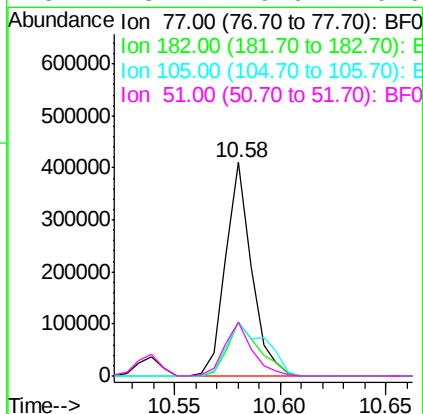
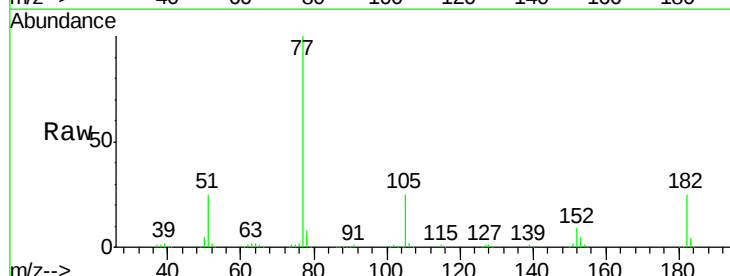
Instrument :  
BNA\_F  
ClientSampleId :

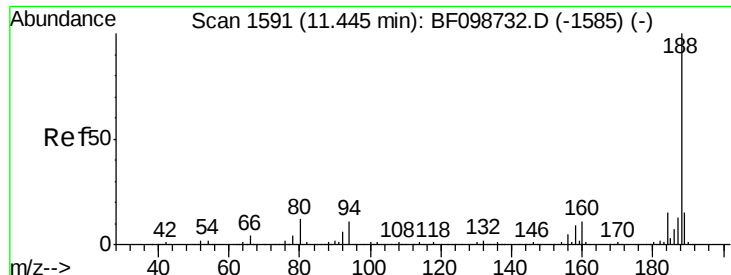
Tot Ion:138 Resp: 81389  
Ion Ratio Lower Upper  
138 100  
92 42.9 30.2 70.2  
108 59.7 52.5 92.5



#62  
Azobenzene  
Concen: 30.77 ng  
RT: 10.58 min Scan# 1444  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion: 77 Resp: 348628  
Ion Ratio Lower Upper  
77 100  
182 25.4 1.7 41.7  
105 25.2 3.0 43.0  
51 25.2 9.9 49.9

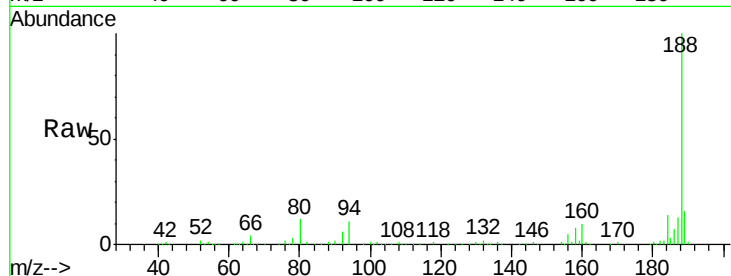




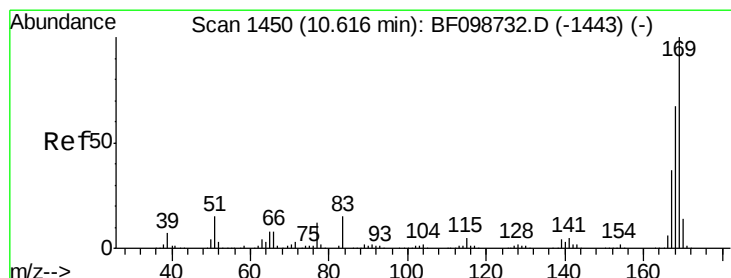
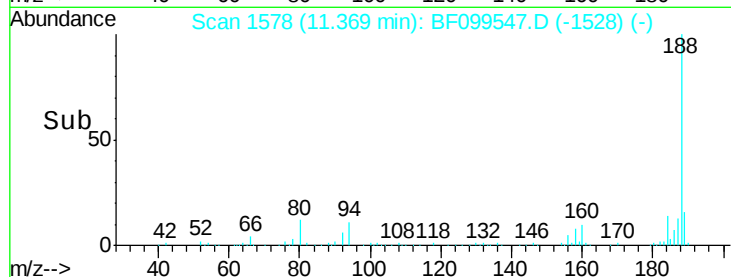
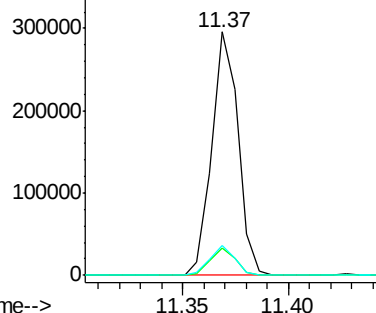
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.37 min Scan# 1578  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 253408  
Ion Ratio Lower Upper  
188 100  
94 11.2 8.5 12.7  
80 12.1 9.2 13.8

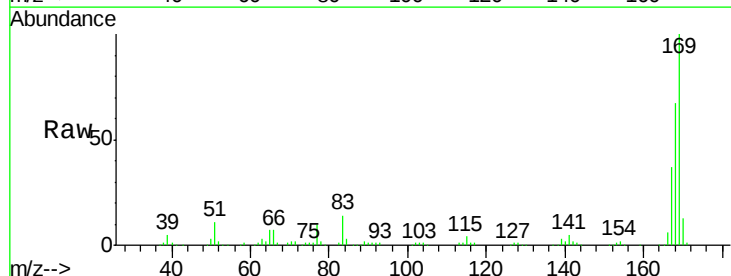


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

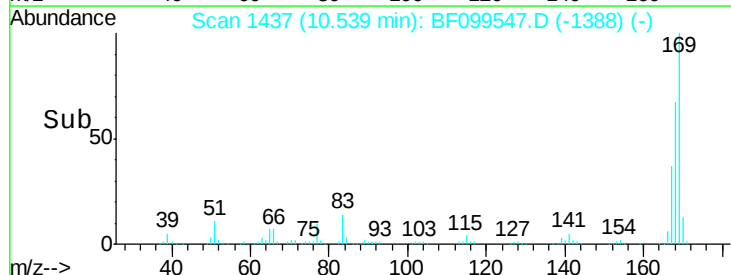
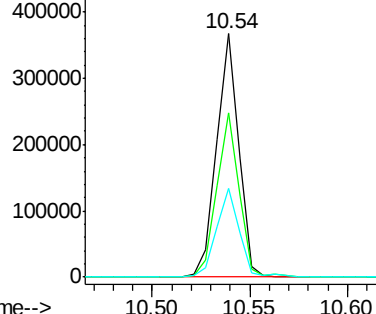


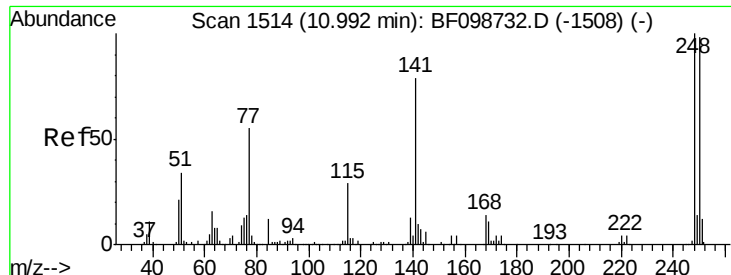
#65  
n-Nitrosodiphenylamine  
Concen: 32.96 ng  
RT: 10.54 min Scan# 1437  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion:169 Resp: 289368  
Ion Ratio Lower Upper  
169 100  
168 67.4 54.4 81.6  
167 36.6 29.8 44.6



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

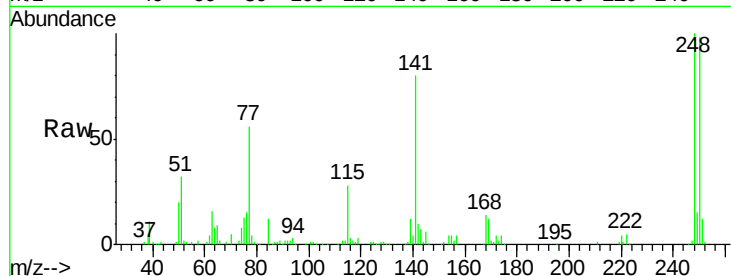




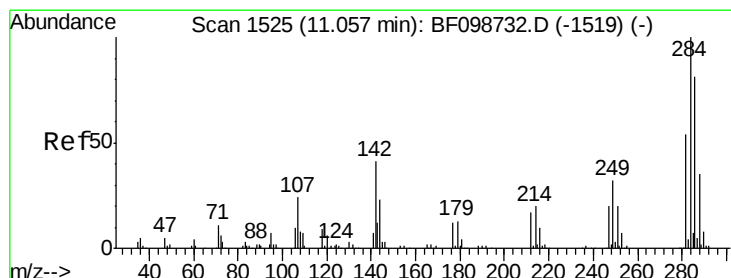
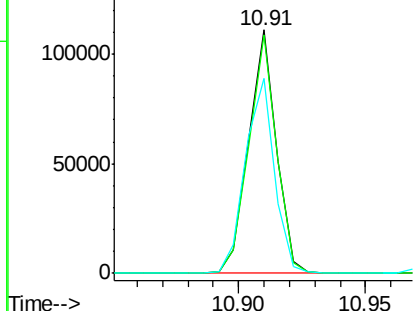
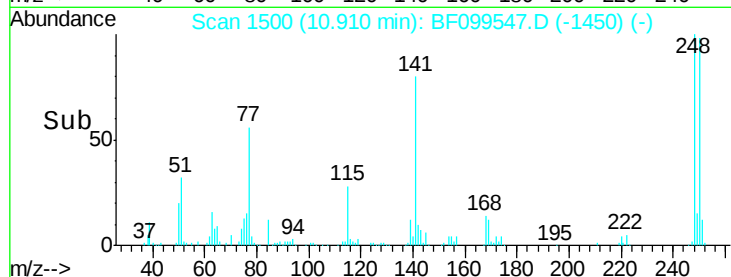
#66  
4-Bromophenyl-phenylether  
Concen: 34.25 ng  
RT: 10.91 min Scan# 1500  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 84951  
Ion Ratio Lower Upper  
248 100  
250 97.8 76.9 115.3  
141 79.8 74.4 111.6

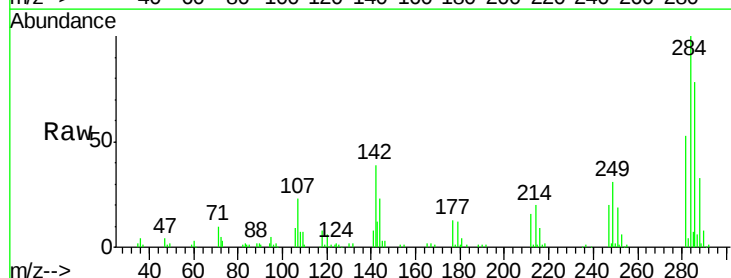


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

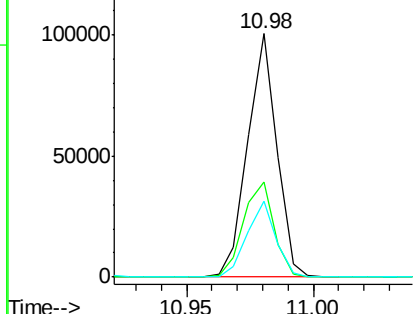
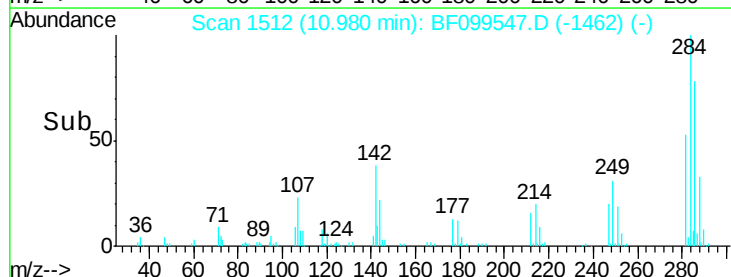


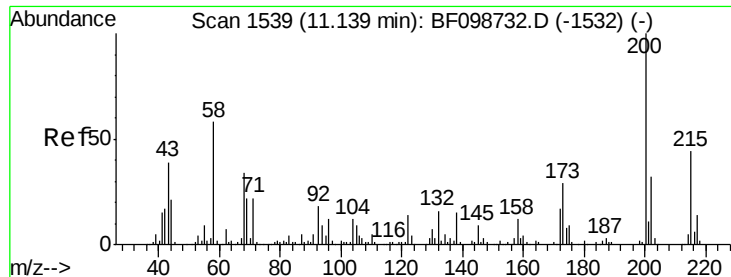
#67  
Hexachlorobenzene  
Concen: 30.46 ng  
RT: 10.98 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion:284 Resp: 80692  
Ion Ratio Lower Upper  
284 100  
142 38.9 34.6 52.0  
249 31.4 24.8 37.2



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

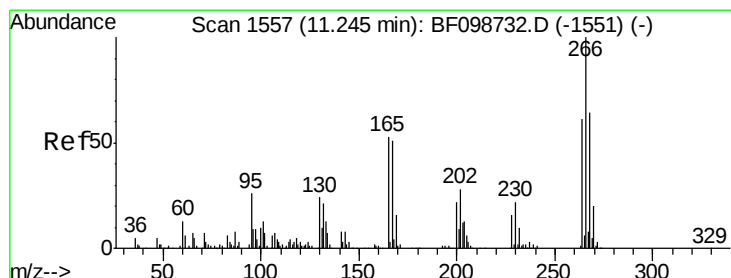
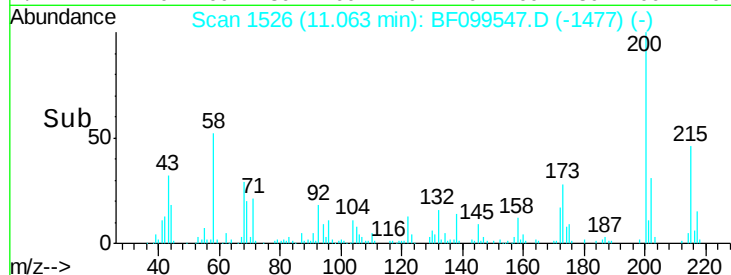
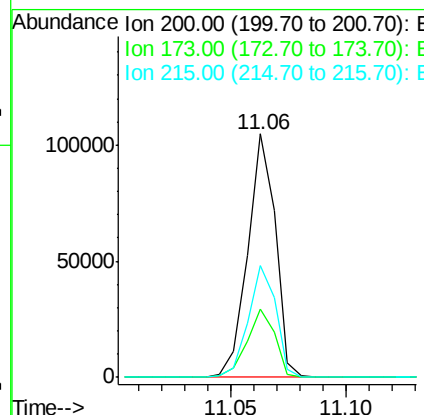
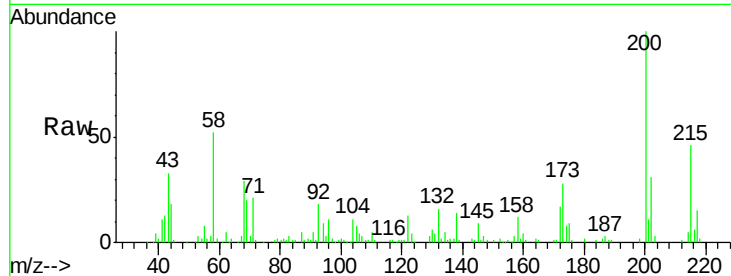




#68  
 Atrazine  
 Concen: 33.19 ng  
 RT: 11.06 min Scan# 1526  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

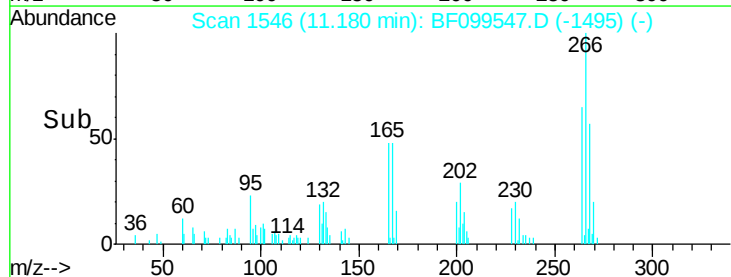
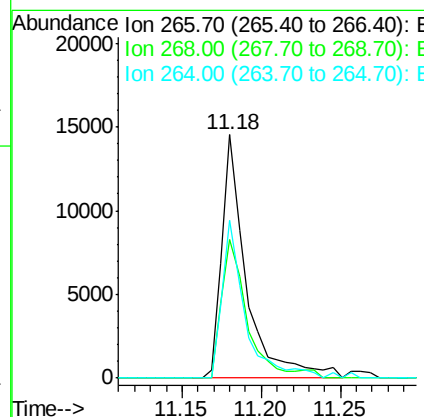
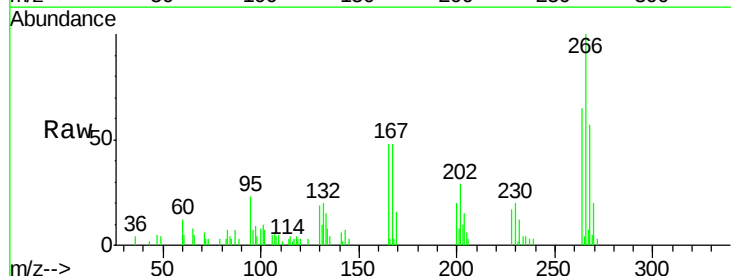
Instrument :  
 BNA\_F  
 ClientSampleId :

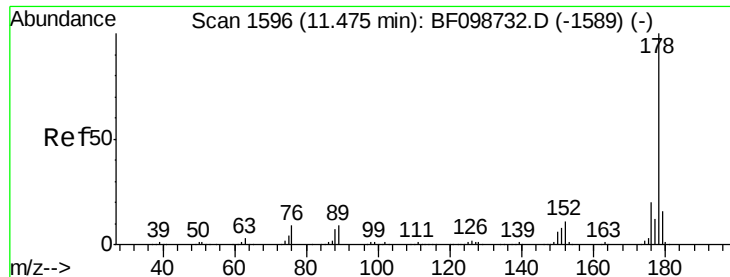
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 28.2  | 8.6   | 48.6  |
| 215     | 45.7  | 25.1  | 65.1  |



#69  
 Pentachlorophenol  
 Concen: 9.45 ng  
 RT: 11.18 min Scan# 1546  
 Delta R.T. -0.00 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 56.9  | 51.1  | 76.7  |
| 264     | 65.0  | 49.5  | 74.3  |





#70

Phenanthrene

Concen: 31.59 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :

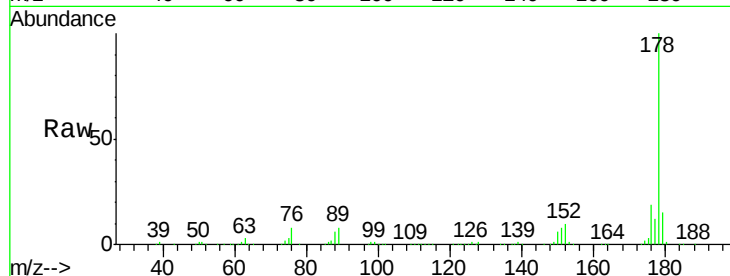
Tot Ion:178 Resp: 428448

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

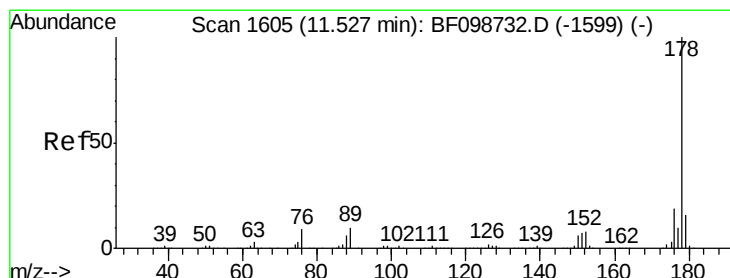
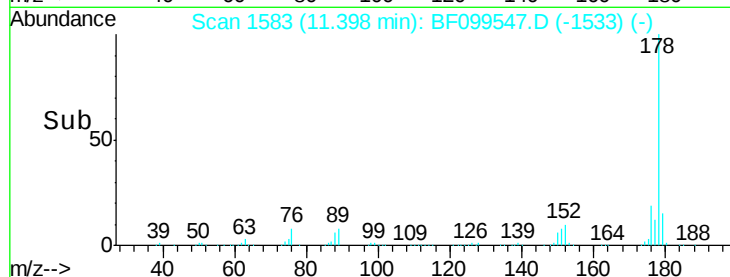
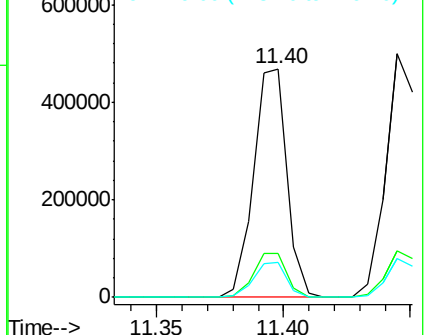
179 15.5 13.0 19.6



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: 31.74 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

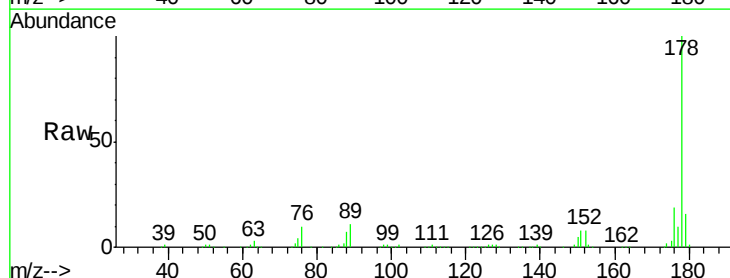
Tgt Ion:178 Resp: 440518

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

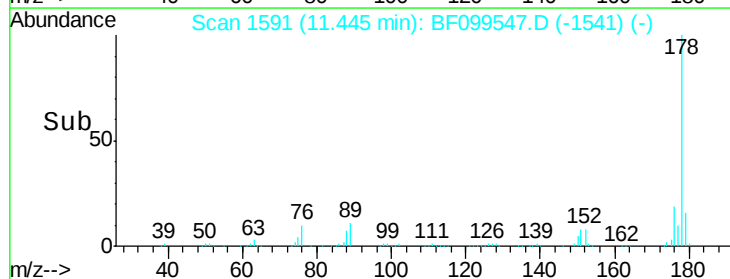
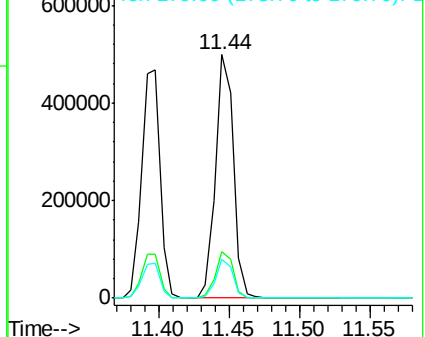
179 15.7 12.6 19.0

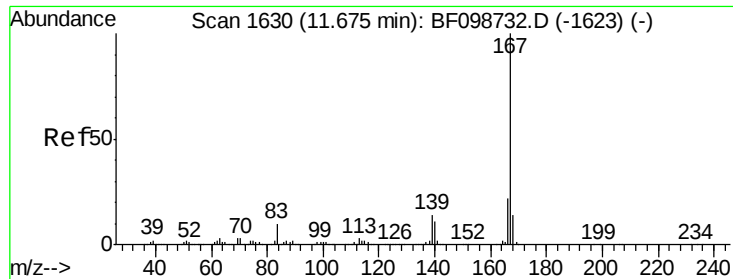


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 28.88 ng

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :

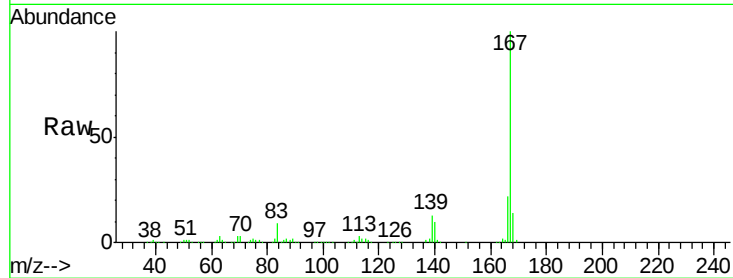
Tot Ion:167 Resp: 392531

Ion Ratio Lower Upper

167 100

166 22.5 17.6 26.4

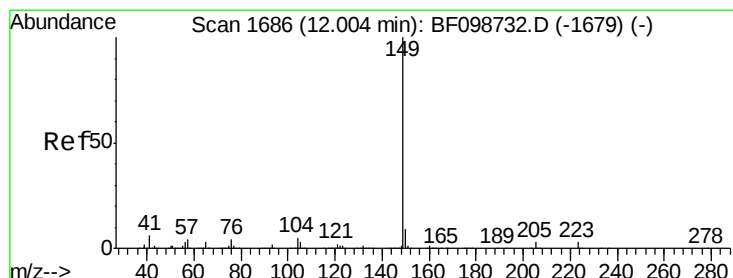
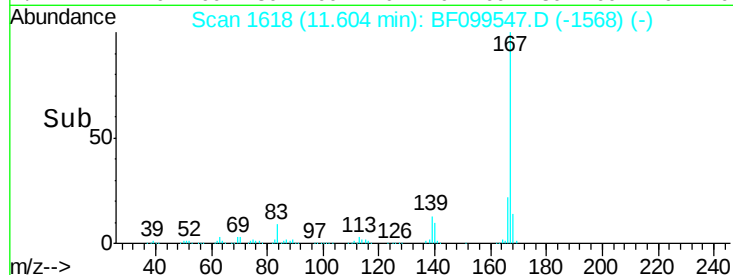
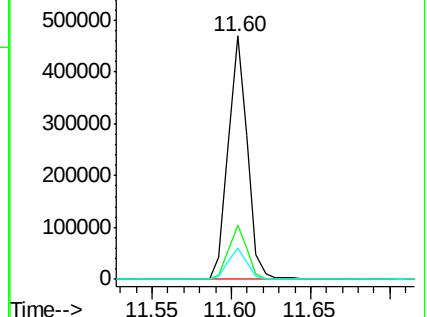
139 12.6 10.9 16.3



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: 31.53 ng

RT: 11.92 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

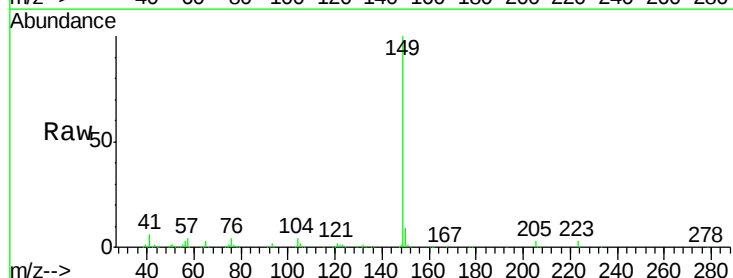
Tgt Ion:149 Resp: 515723

Ion Ratio Lower Upper

149 100

150 9.2 7.8 11.6

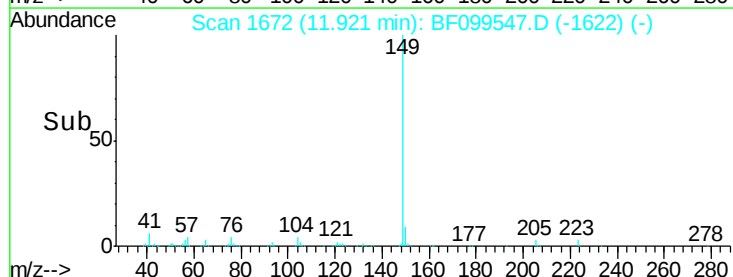
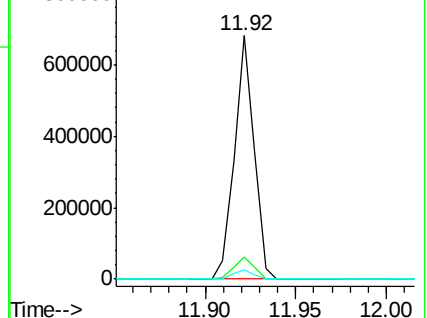
104 4.1 3.8 5.8

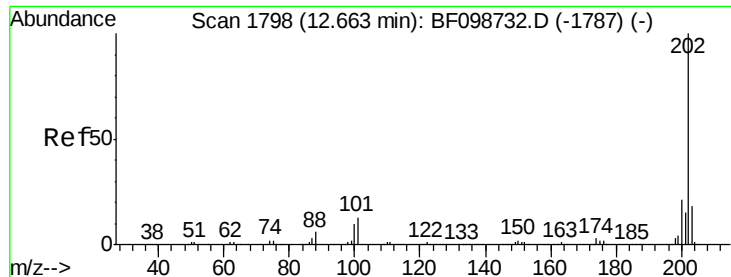


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

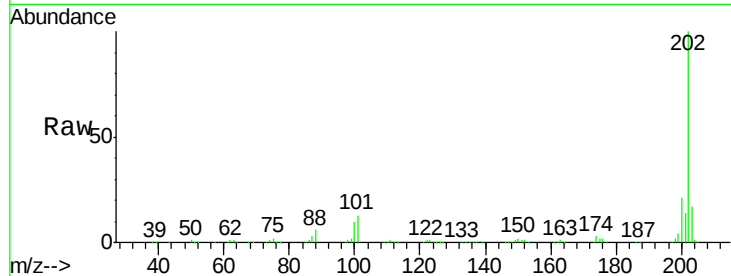




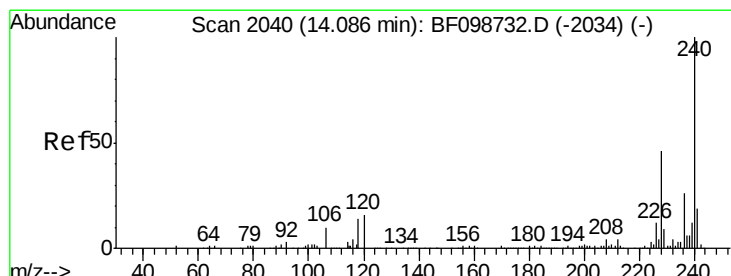
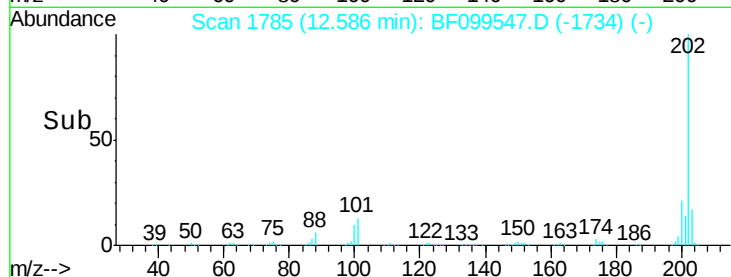
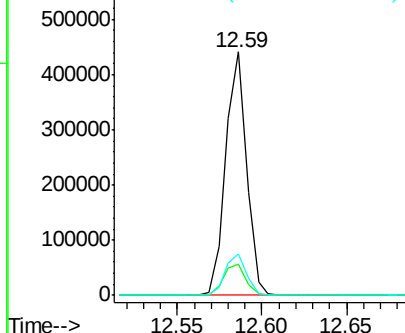
#74  
 Fluoranthene  
 Concen: 27.63 ng  
 RT: 12.59 min Scan# 1785  
 Delta R.T. -0.00 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.8  | 0.0   | 34.1  |
| 203     | 16.9  | 0.0   | 38.1  |

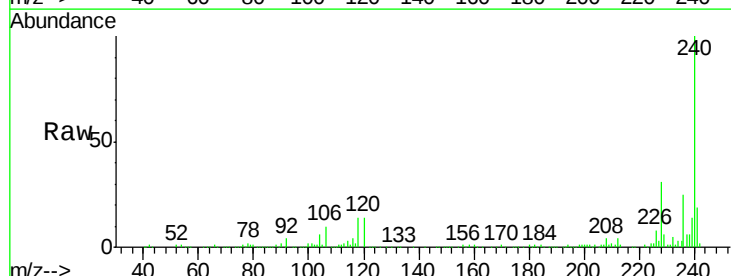


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

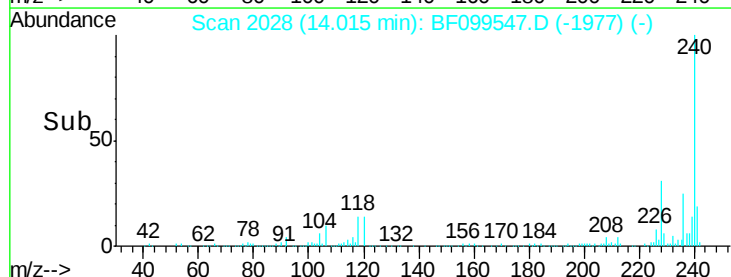
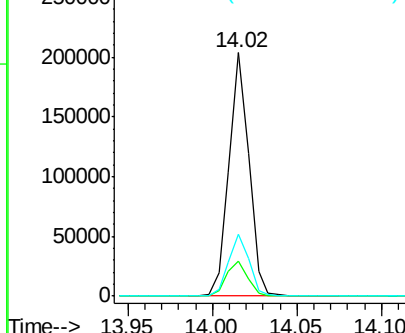


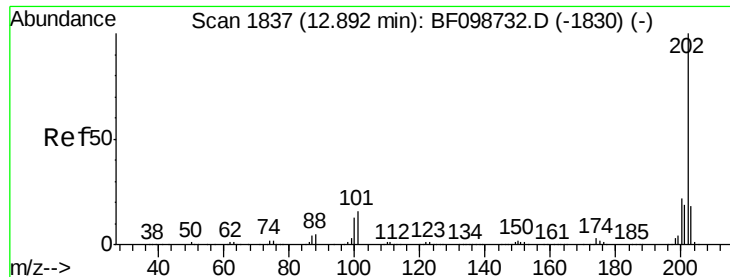
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. -0.00 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.5  | 9.5   | 14.3# |
| 236     | 25.5  | 20.7  | 31.1  |



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

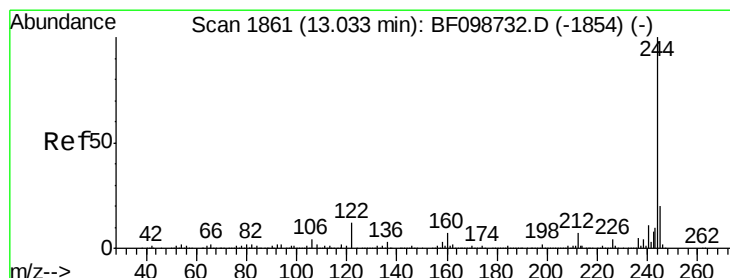
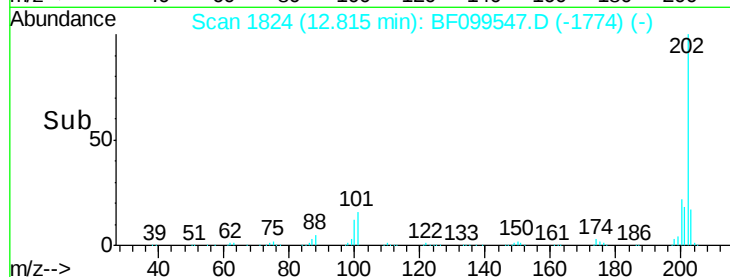
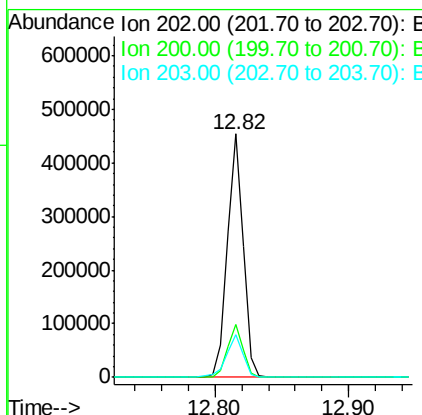
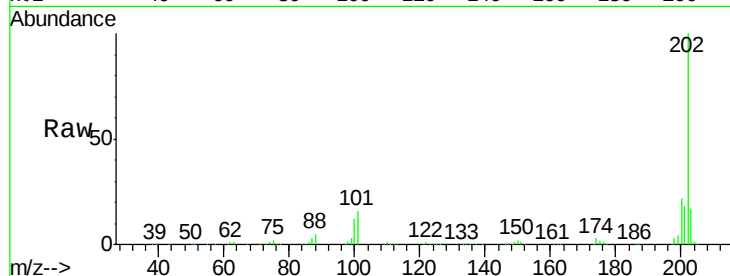




#77  
Pvrene  
Concen: 30.07 ng  
RT: 12.82 min Scan# 1824  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

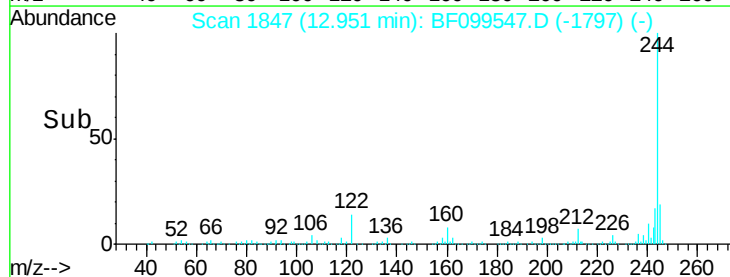
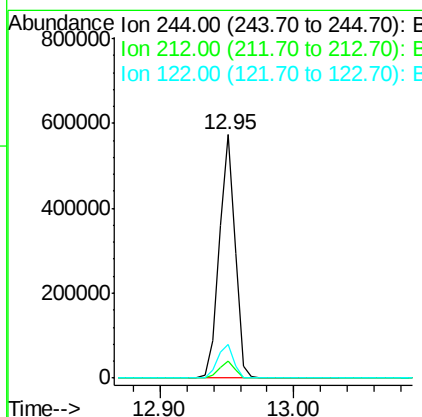
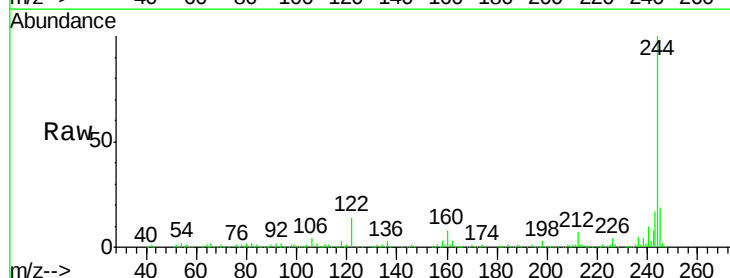
Instrument :  
BNA\_F  
ClientSampleId :

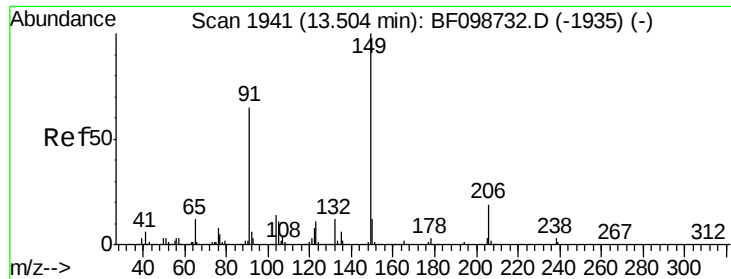
Tot Ion:202 Resp: 384149  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.4 26.2  
203 17.3 14.3 21.5



#78  
Terphenyl-d14  
Concen: 65.11 ng  
RT: 12.95 min Scan# 1847  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion:244 Resp: 479638  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.4 8.0  
122 13.7 11.0 16.4

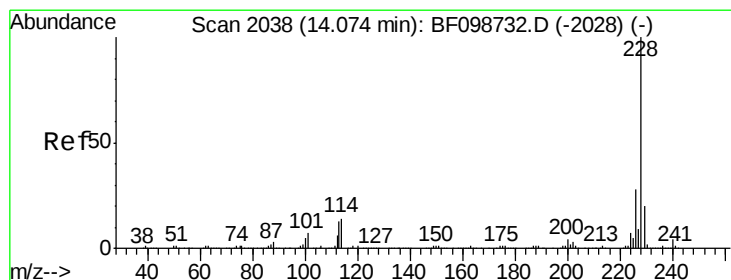
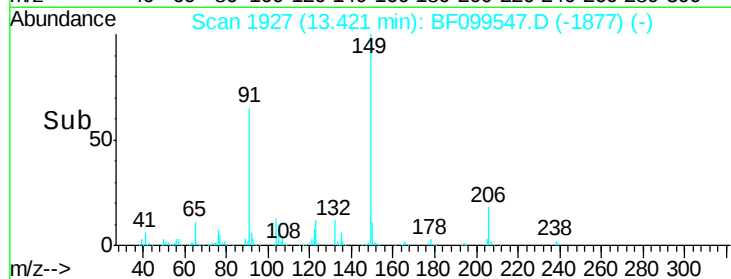
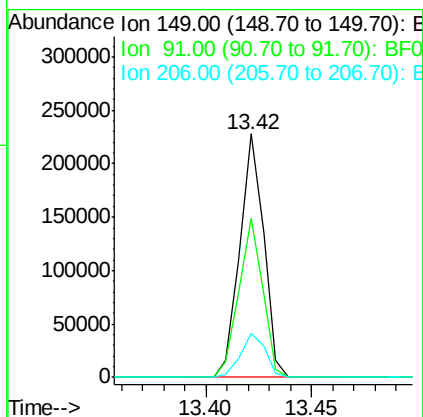
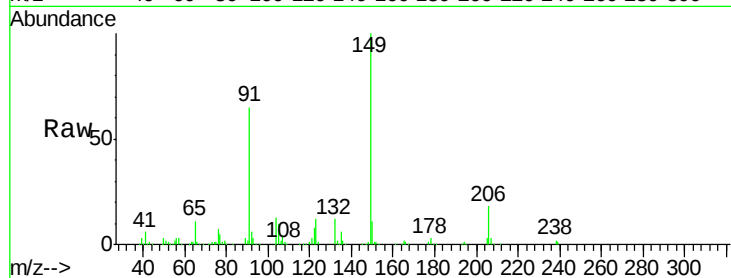




#79  
Butylbenzylphthalate  
Concen: 29.69 ng  
RT: 13.42 min Scan# 1927  
Delta R.T. -0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

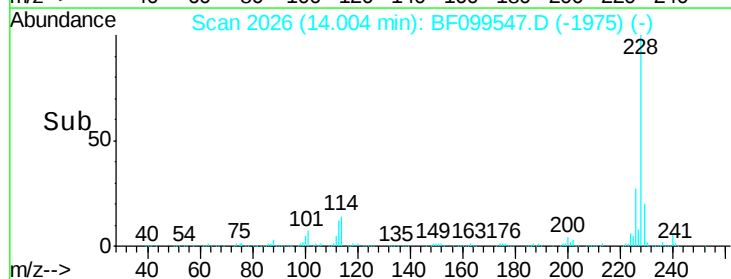
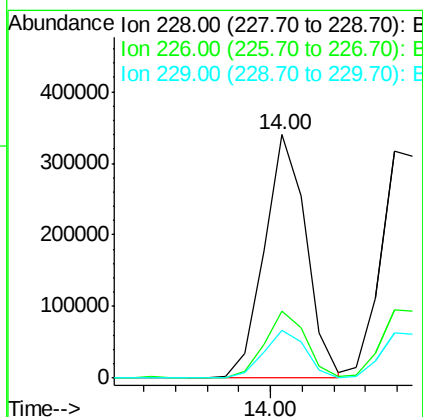
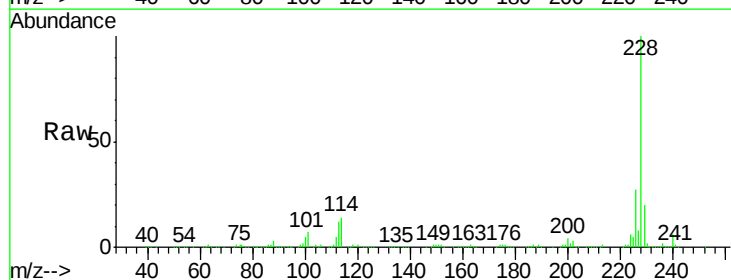
Instrument :  
BNA\_F  
ClientSampleId :

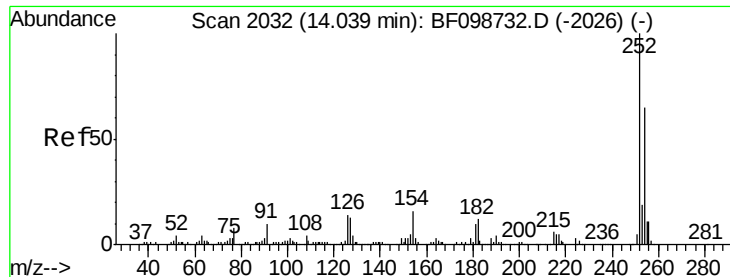
Tot Ion:149 Resp: 178289  
Ion Ratio Lower Upper  
149 100  
91 65.3 56.8 85.2  
206 18.2 14.1 21.1



#80  
Benzo(a)anthracene  
Concen: 30.57 ng  
RT: 14.00 min Scan# 2026  
Delta R.T. -0.00 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion:228 Resp: 310120  
Ion Ratio Lower Upper  
228 100  
226 27.3 22.6 33.8  
229 19.6 15.8 23.6

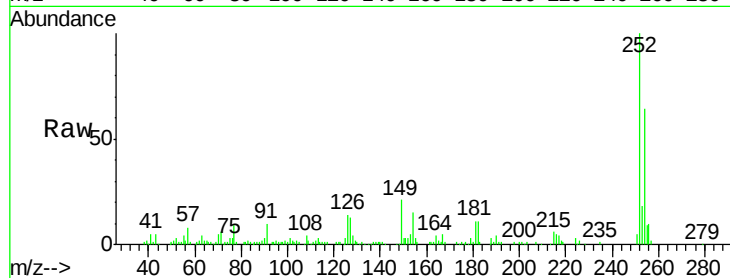




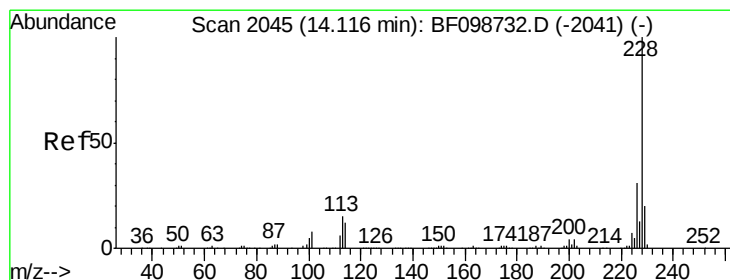
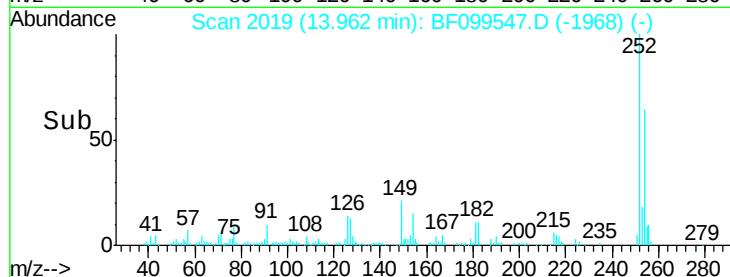
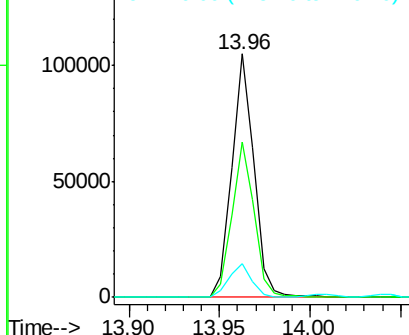
#81  
 3,3'-Dichlorobenzidine  
 Concen: 24.01 ng  
 RT: 13.96 min Scan# 2019  
 Delta R.T. -0.00 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:252 Resp: 89292  
 Ion Ratio Lower Upper  
 252 100  
 254 63.6 50.4 75.6  
 126 13.9 11.3 16.9

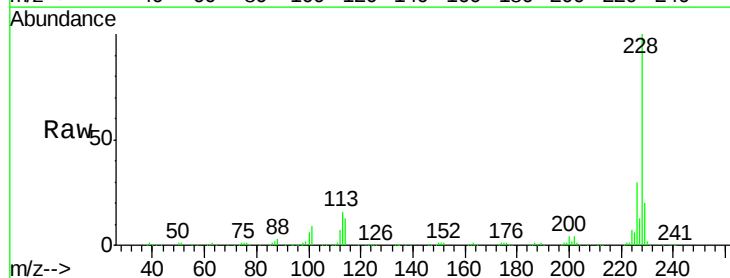


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

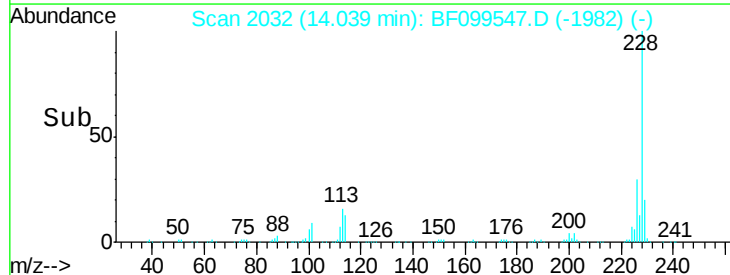
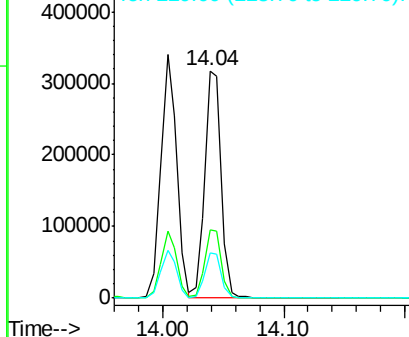


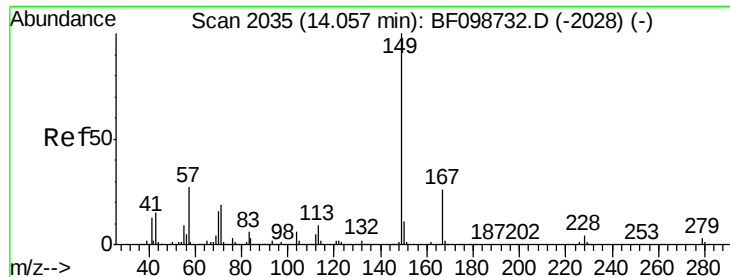
#82  
 Chrysene  
 Concen: 31.13 ng  
 RT: 14.04 min Scan# 2032  
 Delta R.T. -0.01 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

Tgt Ion:228 Resp: 300625  
 Ion Ratio Lower Upper  
 228 100  
 226 30.2 25.0 37.6  
 229 19.9 16.2 24.4



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

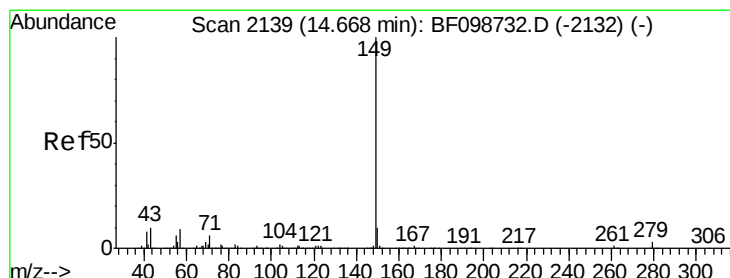
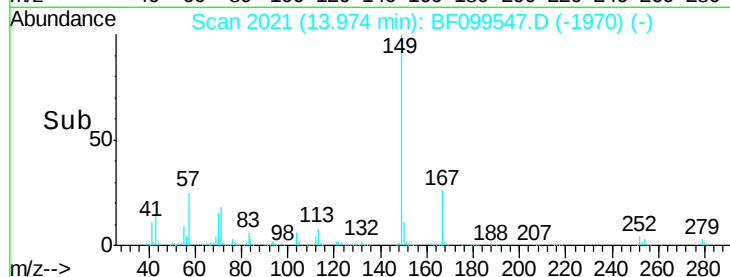
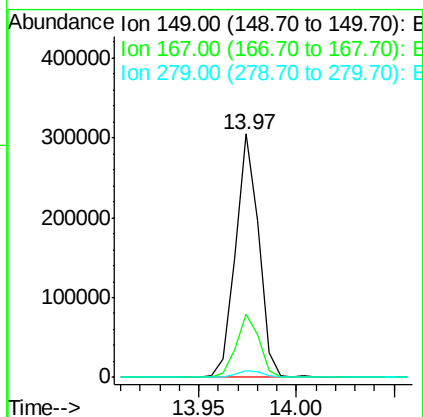
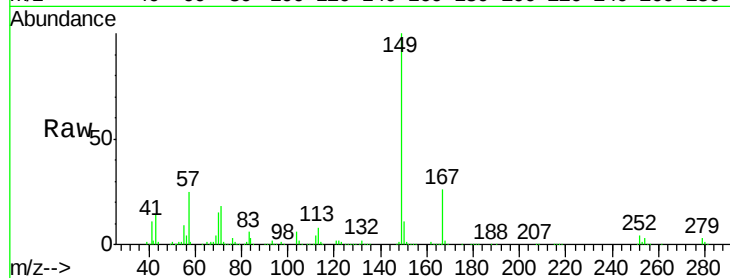




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 30.35 ng  
 RT: 13.97 min Scan# 2021  
 Delta R.T. -0.00 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

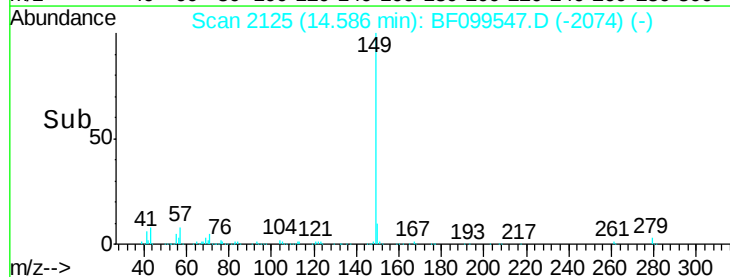
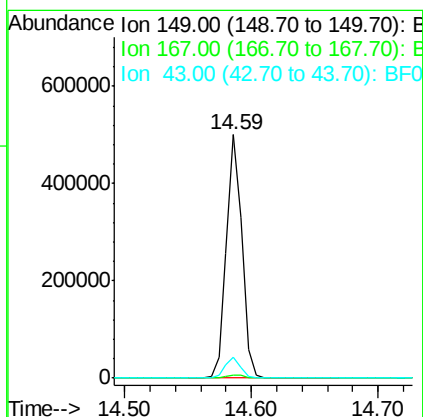
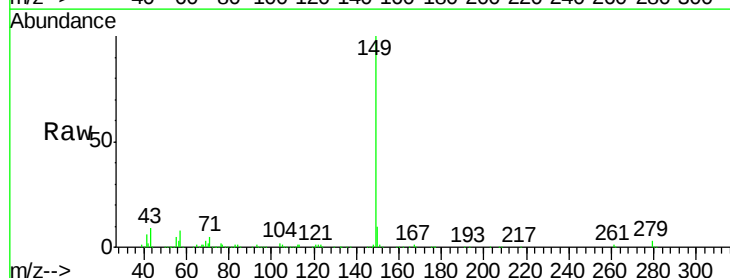
Instrument :  
 BNA\_F  
 ClientSampleId :

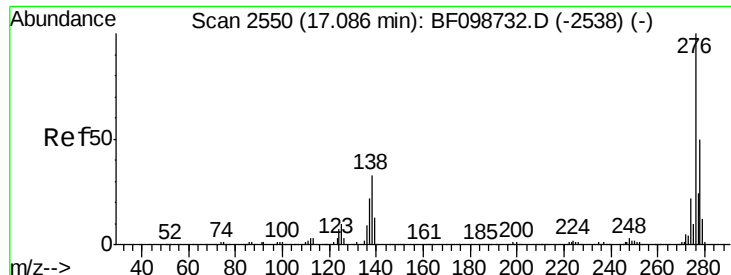
Tot Ion:149 Resp: 250907  
 Ion Ratio Lower Upper  
 149 100  
 167 25.7 21.3 31.9  
 279 2.6 3.0 4.4#



#84  
 Di-n-octyl phthalate  
 Concen: 31.90 ng  
 RT: 14.59 min Scan# 2125  
 Delta R.T. -0.00 min  
 Lab File: BF099547.D  
 Acq: 16 Oct 2017 16:31

Tgt Ion:149 Resp: 424717  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.2 1.8  
 43 8.1 8.4 12.6#

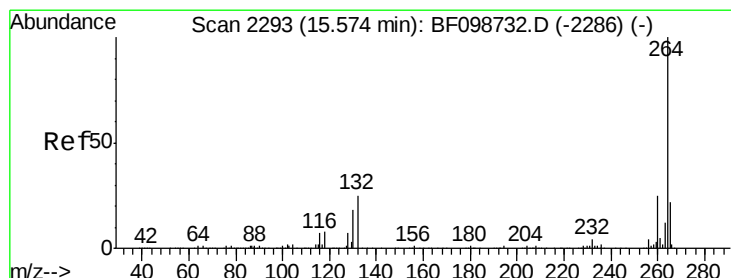
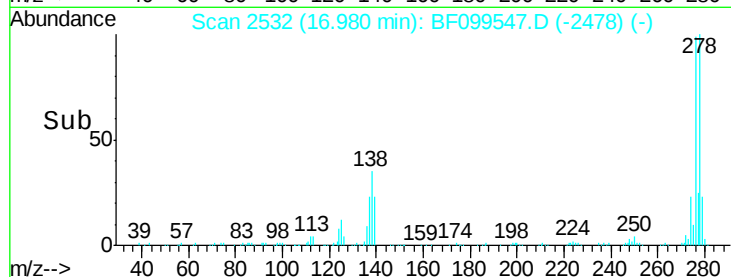
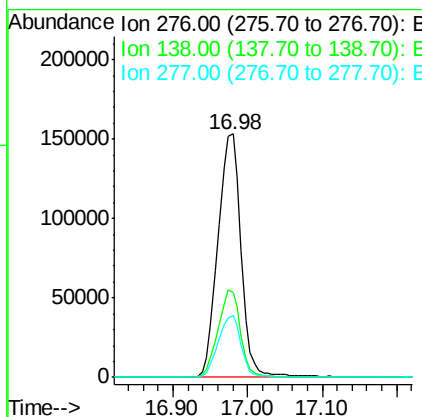
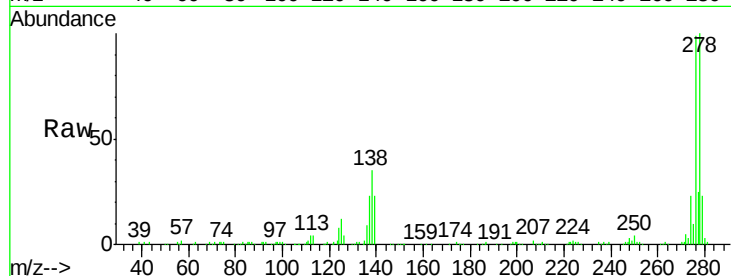




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 43.03 ng  
RT: 16.98 min Scan# 2532  
Delta R.T. 0.02 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

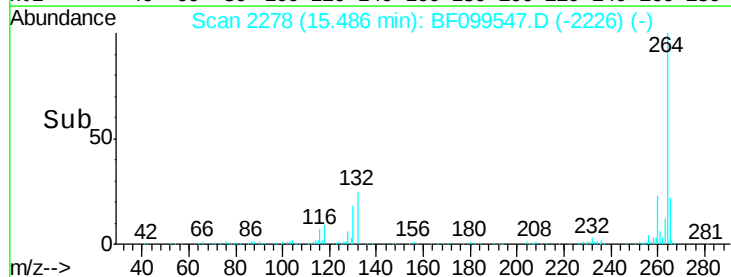
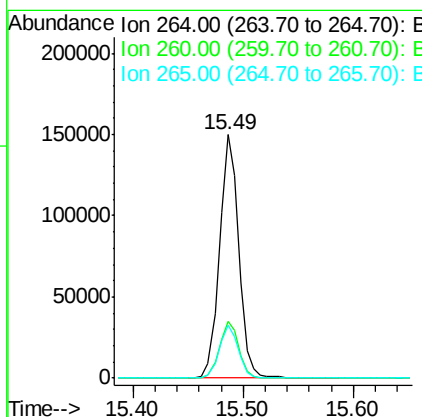
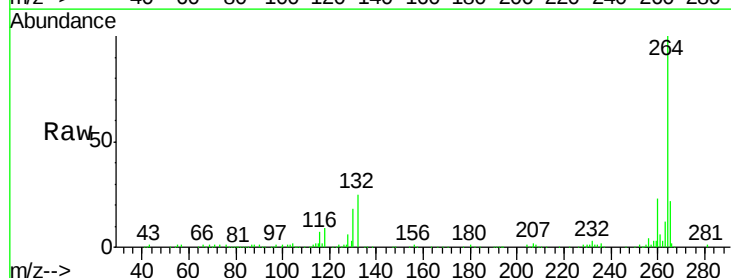
Instrument :  
BNA\_F  
ClientSampleId :

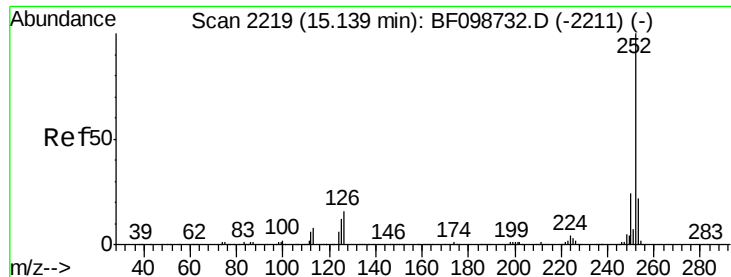
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 34.8  | 25.0  | 37.6  |
| 277     | 25.1  | 20.1  | 30.1  |



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.49 min Scan# 2278  
Delta R.T. 0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.2  | 28.8  |
| 265     | 21.6  | 17.5  | 26.3  |

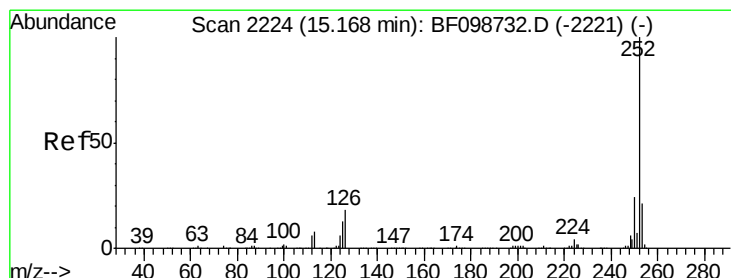
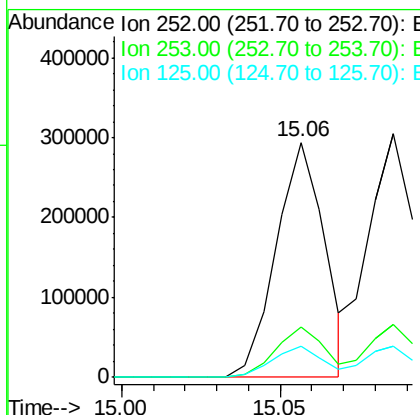
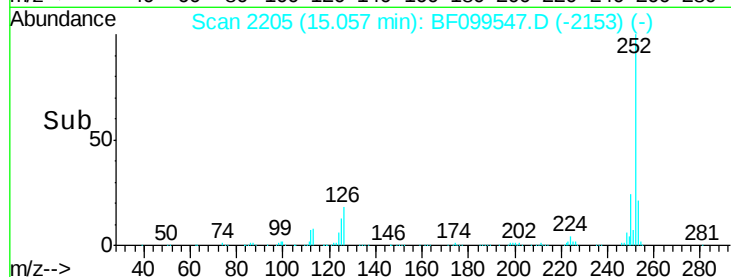
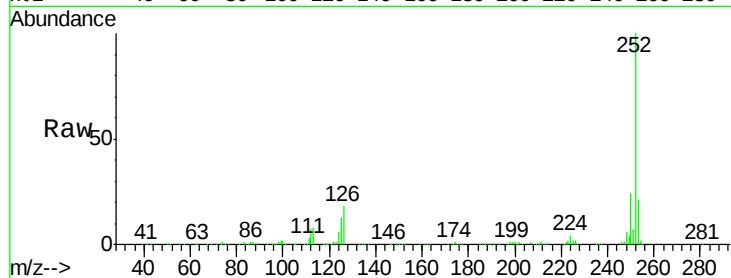




#87  
Benzo(b)fluoranthene  
Concen: 27.89 ng  
RT: 15.06 min Scan# 2205  
Delta R.T. 0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

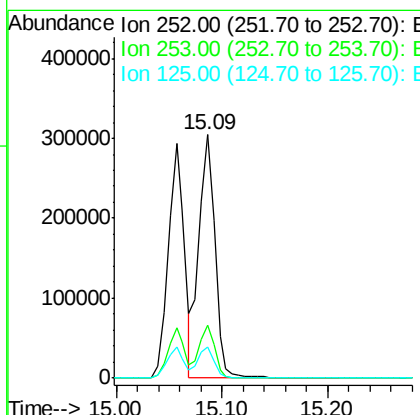
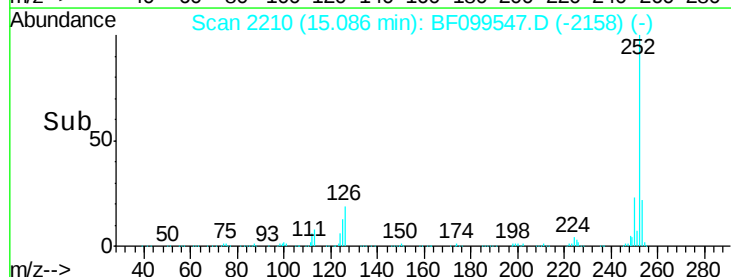
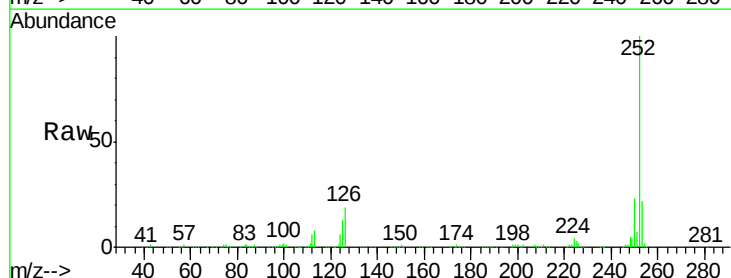
Instrument :  
BNA\_F  
ClientSampleId :

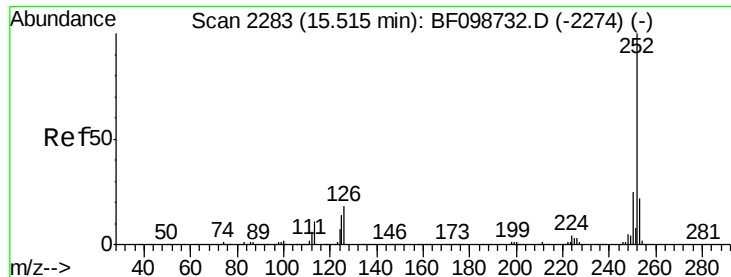
Tot Ion:252 Resp: 313140  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.0 25.6  
125 13.2 9.0 13.6



#88  
Benzo(k)fluoranthene  
Concen: 28.78 ng  
RT: 15.09 min Scan# 2210  
Delta R.T. 0.01 min  
Lab File: BF099547.D  
Acq: 16 Oct 2017 16:31

Tgt Ion:252 Resp: 319221  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.9 26.9  
125 12.8 10.2 15.2





#89

Benzo(a)pyrene

Concen: 30.65 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :

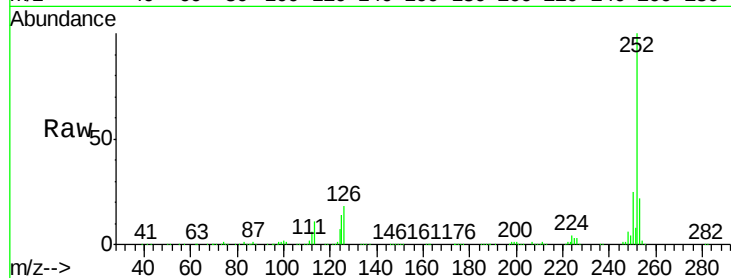
Tot Ion:252 Resp: 315880

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

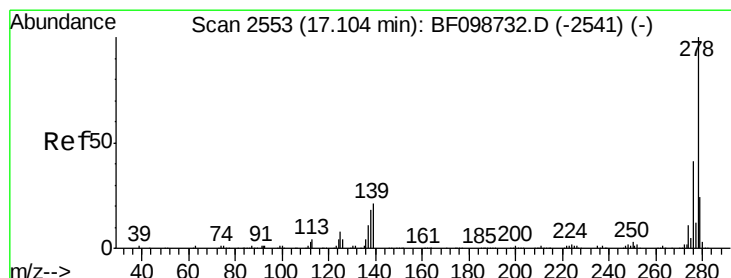
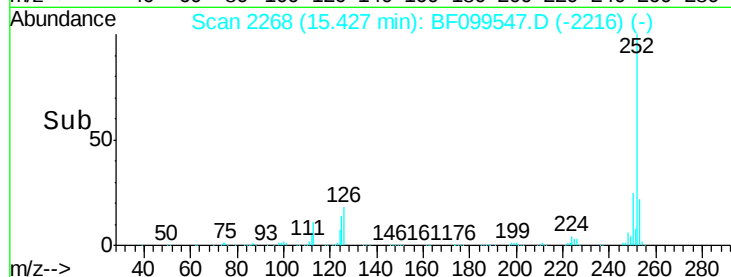
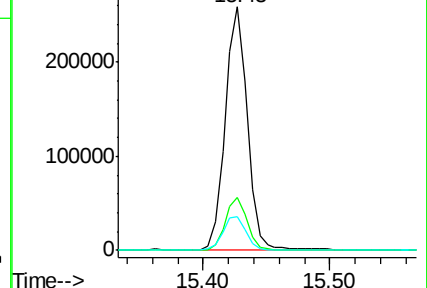
125 14.0 9.8 14.6



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: 34.22 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

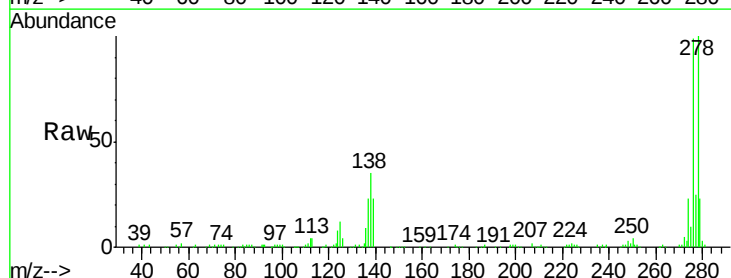
Tgt Ion:278 Resp: 282234

Ion Ratio Lower Upper

278 100

139 22.7 15.9 23.9

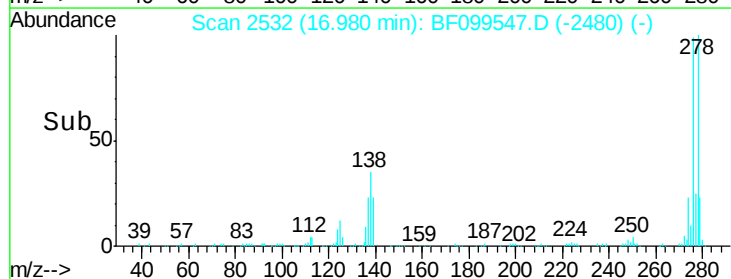
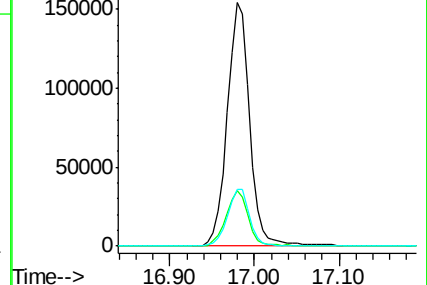
279 23.3 19.0 28.4

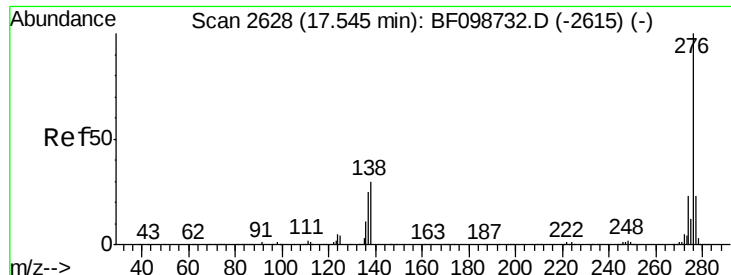


Abundance Ion 278.00 (277.70 to 278.70): E

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: 32.71 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.02 min

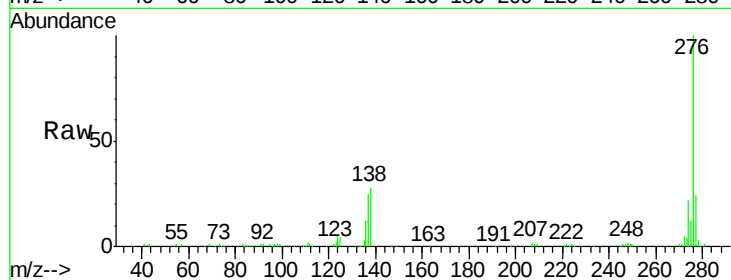
Lab File: BF099547.D

Acq: 16 Oct 2017 16:31

Instrument :

BNA\_F

ClientSampleId :



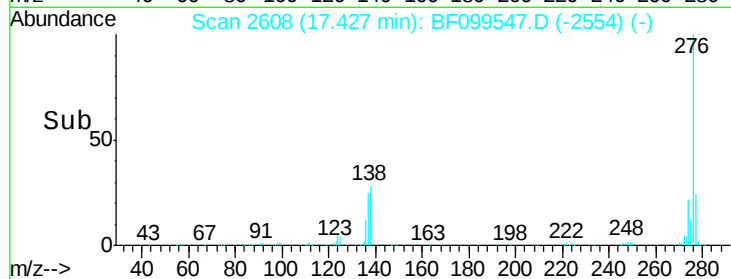
Tot Ion: 276 Resp: 266729

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 27.7 21.8 32.8



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

