

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101417\  
 Data File : BF099483.D  
 Acq On : 14 Oct 2017 18:12  
 Operator : SJ/JU  
 Sample : I5816-12MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 14 22:06:30 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  | 100533   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 413389   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.89  | 164  | 182897   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.38 | 188  | 311830   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.02 | 240  | 167597   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.50 | 264  | 158587   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.48  | 112 | 442150  | 70.01  | ng | 0.01 |
| 7) Phenol-d6             | 6.49  | 99  | 336305  | 43.17  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 642936  | 99.74  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 209489  | 139.98 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.21  | 172 | 1153905 | 105.32 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.96 | 244 | 841809  | 114.23 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.66 | 88  | 46924  | 15.555 | ng | 97     |
| 3) Pyridine                    | 3.49 | 79  | 85641  | 10.494 | ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.39 | 42  | 49645  | 14.346 | ng | 79     |
| 6) Aniline                     | 6.52 | 93  | 165390 | 15.730 | ng | 98     |
| 8) 2-Chlorophenol              | 6.65 | 128 | 257481 | 36.002 | ng | 92     |
| 9) Benzaldehyde                | 6.41 | 77  | 110995 | 24.561 | ng | 92     |
| 10) Phenol                     | 6.50 | 94  | 137314 | 15.760 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 6.59 | 93  | 289670 | 42.765 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.79 | 146 | 326213 | 43.554 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.87 | 146 | 331483 | 43.499 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.03 | 146 | 308628 | 43.831 | ng | 96     |
| 15) Benzyl Alcohol             | 7.00 | 79  | 144224 | 25.235 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45  | 412305 | 39.070 | ng | 90     |
| 17) 2-Methylphenol             | 7.11 | 107 | 174797 | 29.871 | ng | 98     |
| 18) Hexachloroethane           | 7.36 | 117 | 113518 | 41.443 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70  | 197788 | 39.765 | ng | 94     |
| 20) 3+4-Methylphenols          | 7.26 | 107 | 191047 | 25.807 | ng | # 36   |
| 22) Acetophenone               | 7.26 | 105 | 409147 | 40.851 | ng | 99     |
| 24) Nitrobenzene               | 7.44 | 77  | 313047 | 42.811 | ng | 98     |
| 25) Isophorone                 | 7.67 | 82  | 576229 | 43.237 | ng | 99     |
| 26) 2-Nitrophenol              | 7.76 | 139 | 167885 | 47.745 | ng | # 87   |
| 27) 2,4-Dimethylphenol         | 7.79 | 122 | 242325 | 36.492 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93  | 369124 | 44.444 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 8.00 | 162 | 240376 | 42.161 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 8.07 | 180 | 262231 | 45.987 | ng | 98     |
| 31) Naphthalene                | 8.16 | 128 | 868475 | 44.731 | ng | 99     |
| 32) Benzoic acid               | 7.89 | 122 | 26736  | 4.901  | ng | 95     |
| 33) 4-Chloroaniline            | 8.21 | 127 | 128156 | 15.806 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.27 | 225 | 127101 | 43.274 | ng | 99     |
| 35) Caprolactam                | 8.60 | 113 | 11630  | 6.359  | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 8.69 | 107 | 233602 | 36.453 | ng | 95     |
| 37) 2-Methylnaphthalene        | 8.85 | 142 | 601932 | 47.691 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 240354 | 44.065 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.00 | 237 | 148752 | 59.675 | ng | 99     |

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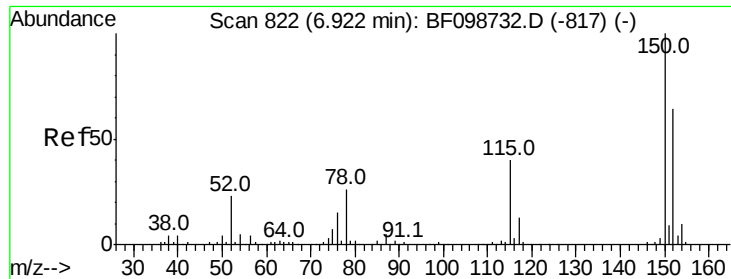
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 14 22:06:30 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) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.13  | 196  | 159929   | 41.388 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.18  | 196  | 166925   | 43.274 | nq    | 93       |
| 45) 1,1'-Biphenyl              | 9.32  | 154  | 693055   | 44.091 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 9.34  | 162  | 545168   | 46.192 | nq    | 98       |
| 47) 2-Nitroaniline             | 9.45  | 65   | 159639   | 44.175 | nq    | # 85     |
| 48) Acenaphthylene             | 9.76  | 152  | 814773   | 45.097 | nq    | 100      |
| 49) Dimethylphthalate          | 9.62  | 163  | 684365   | 49.577 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.69  | 165  | 146520   | 48.755 | nq    | # 83     |
| 51) Acenaphthene               | 9.93  | 154  | 484116   | 42.301 | nq    | 100      |
| 52) 3-Nitroaniline             | 9.86  | 138  | 77809    | 22.205 | nq    | 89       |
| 53) 2,4-Dinitrophenol          | 9.97  | 184  | 93808    | 61.416 | nq    | 92       |
| 54) Dibenzofuran               | 10.10 | 168  | 714998   | 46.922 | nq    | 98       |
| 55) 4-Nitrophenol              | 10.03 | 139  | 47975    | 16.192 | nq    | 98       |
| 56) 2,4-Dinitrotoluene         | 10.09 | 165  | 178031   | 45.646 | nq    | # 93     |
| 57) Fluorene                   | 10.45 | 166  | 568669   | 46.431 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.22 | 232  | 117081   | 43.939 | nq    | 98       |
| 59) Diethylphthalate           | 10.31 | 149  | 595894   | 44.178 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.43 | 204  | 255157   | 46.378 | nq    | 100      |
| 61) 4-Nitroaniline             | 10.47 | 138  | 136516   | 40.382 | nq    | 86       |
| 62) Azobenzene                 | 10.59 | 77   | 558819   | 45.057 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198  | 74665    | 39.354 | nq    | # 78     |
| 65) n-Nitrosodiphenylamine     | 10.55 | 169  | 503631   | 46.621 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.92 | 248  | 149509   | 48.982 | nq    | 92       |
| 67) Hexachlorobenzene          | 10.99 | 284  | 150702   | 46.228 | nq    | 94       |
| 68) Atrazine                   | 11.09 | 200  | 146522   | 45.081 | nq    | 100      |
| 69) Pentachlorophenol          | 11.19 | 266  | 119298   | 58.800 | nq    | 99       |
| 70) Phenanthrene               | 11.41 | 178  | 781498   | 46.820 | nq    | 98       |
| 71) Anthracene                 | 11.46 | 178  | 805945   | 47.191 | nq    | 99       |
| 72) Carbazole                  | 11.62 | 167  | 712980   | 42.631 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.93 | 149  | 910518   | 45.230 | nq    | 99       |
| 74) Fluoranthene               | 12.60 | 202  | 738409   | 43.688 | nq    | 99       |
| 77) Pyrene                     | 12.83 | 202  | 736783   | 57.652 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.43 | 149  | 308813   | 51.415 | nq    | 93       |
| 80) Benzo(a)anthracene         | 14.02 | 228  | 501980   | 49.464 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.97 | 252  | 34220    | 9.198  | nq    | 98       |
| 82) Chrysene                   | 14.05 | 228  | 481632   | 49.849 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 401245   | 48.517 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.59 | 149  | 594436   | 44.638 | nq    | # 95     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.99 | 276  | 525672   | 68.015 | nq    | 96       |
| 87) Benzo(b)fluoranthene       | 15.07 | 252  | 454242   | 46.586 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 15.09 | 252  | 422224   | 43.842 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.44 | 252  | 438657   | 49.010 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 17.00 | 278  | 431793   | 60.282 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.44 | 276  | 463196   | 65.420 | nq    | 96       |

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



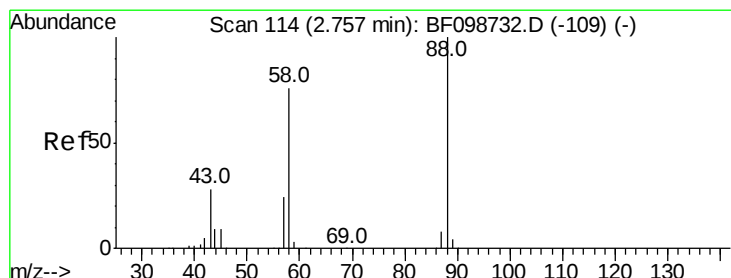
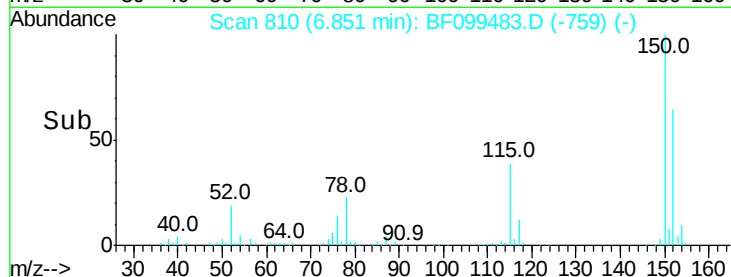
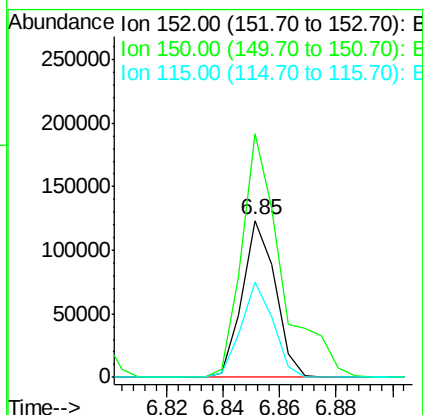
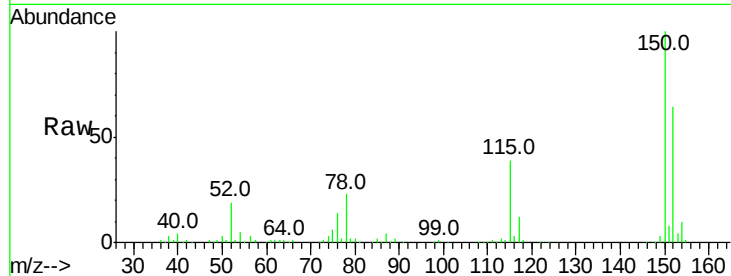


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Instrument :  
BNA\_F  
ClientSampleId :

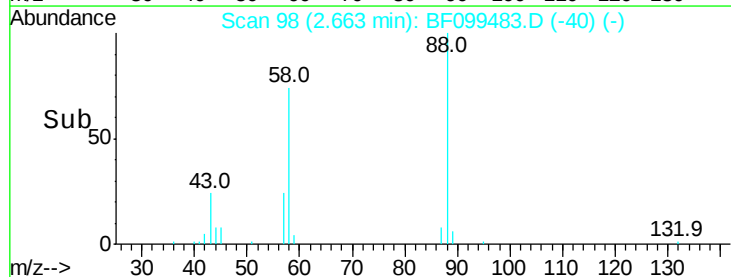
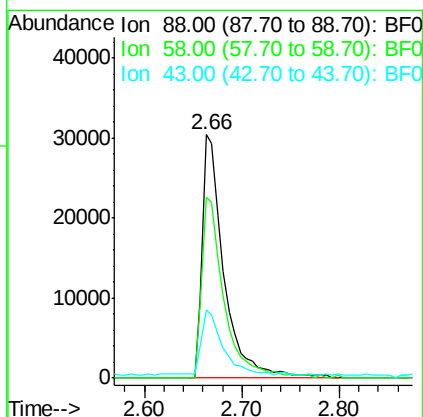
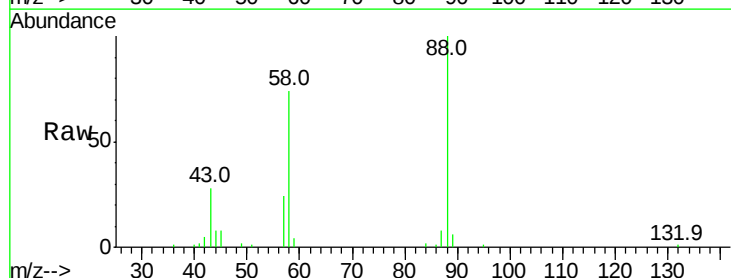
Tot Ion:152 Resp: 100533  
Ion Ratio Lower Upper  
152 100  
150 155.3 124.6 186.8  
115 60.8 50.1 75.1

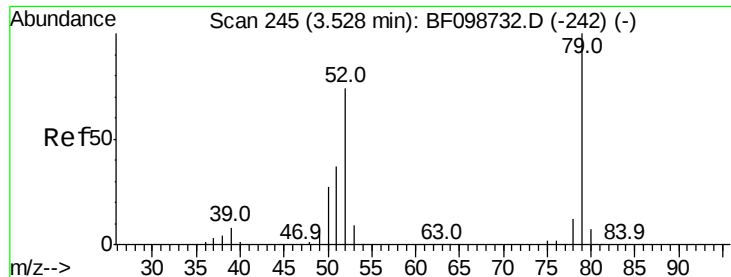


#2

1,4-Dioxane  
Concen: 15.555 ng  
RT: 2.66 min Scan# 98  
Delta R.T. 0.04 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Tgt Ion: 88 Resp: 46924  
Ion Ratio Lower Upper  
88 100  
58 76.7 62.6 93.8  
43 26.8 24.6 37.0

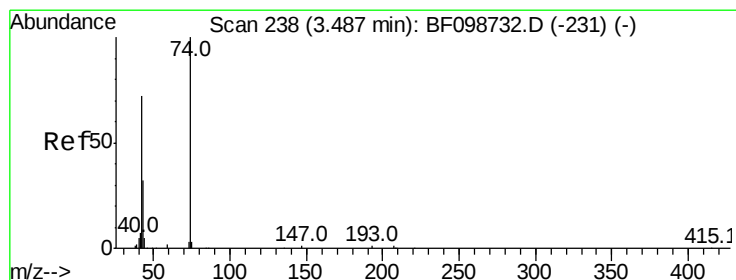
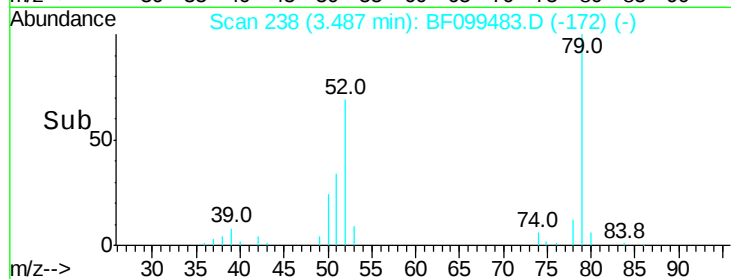
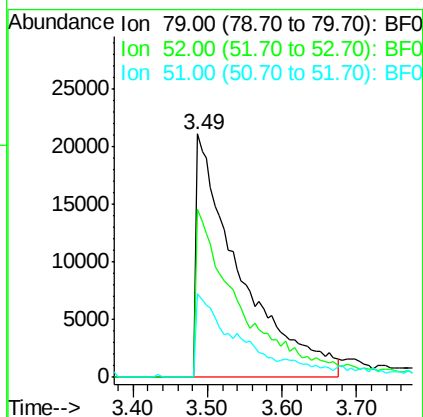
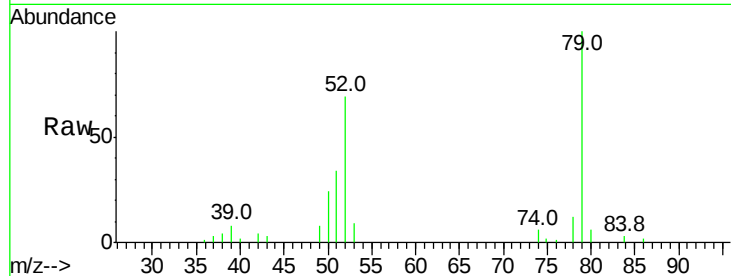




#3  
 Pvridine  
 Concen: 10.494 ng  
 RT: 3.49 min Scan# 238  
 Delta R.T. 0.09 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

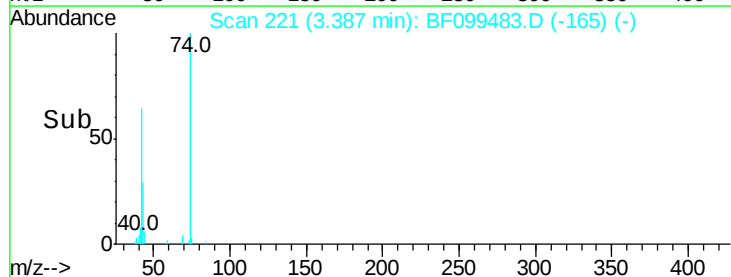
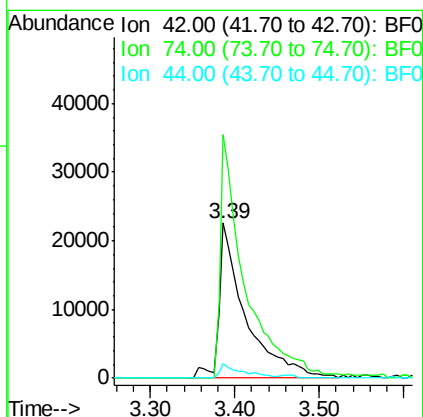
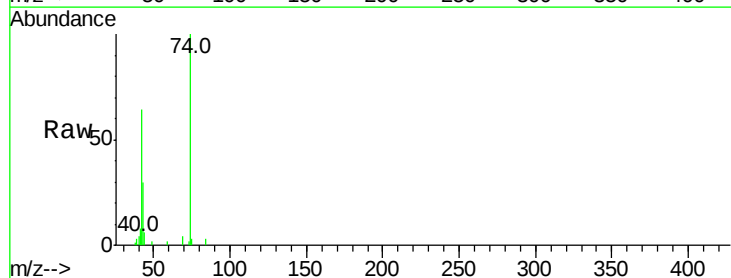
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 79 Resp: 85641  
 Ion Ratio Lower Upper  
 79 100  
 52 69.0 59.8 89.6  
 51 34.1 29.8 44.8



#4  
 n-Nitrosodimethylamine  
 Concen: 14.346 ng  
 RT: 3.39 min Scan# 221  
 Delta R.T. 0.03 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

Tgt Ion: 42 Resp: 49645  
 Ion Ratio Lower Upper  
 42 100  
 74 157.1 104.9 157.3  
 44 9.3 6.9 10.3





#5

2-Fluorophenol

Concen: 70.013 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

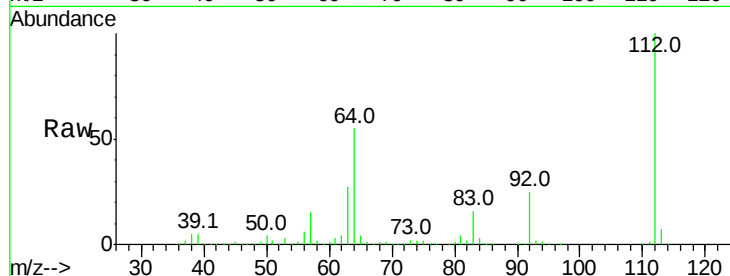
Tot Ion:112 Resp: 442150

Ion Ratio Lower Upper

112 100

64 54.5 47.9 71.9

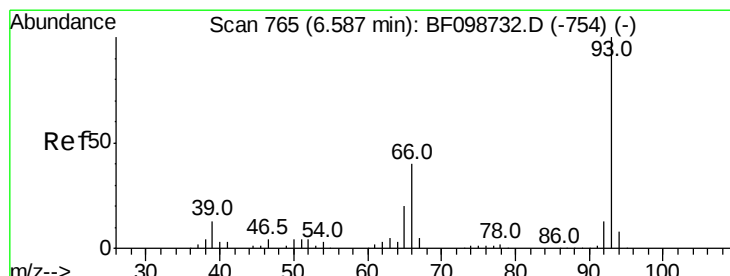
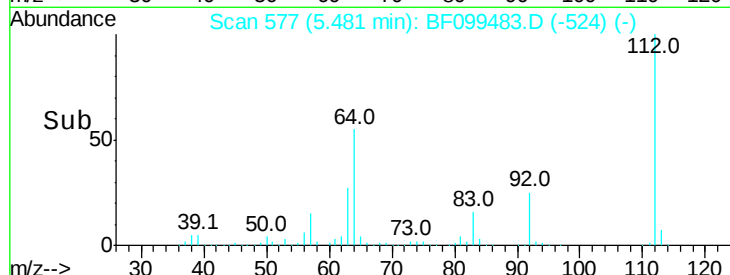
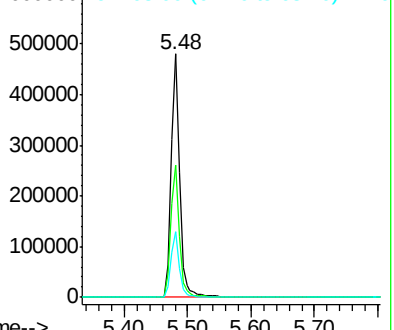
63 26.8 23.7 35.5



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: 15.730 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

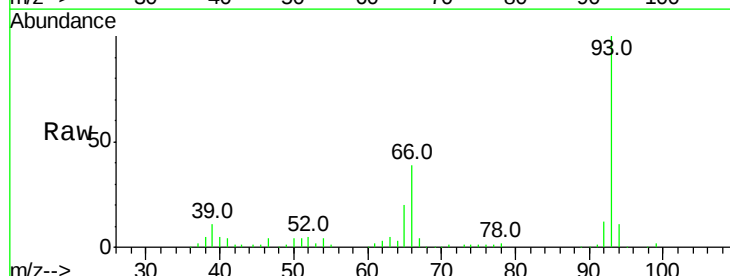
Tgt Ion: 93 Resp: 165390

Ion Ratio Lower Upper

93 100

66 38.9 32.2 48.2

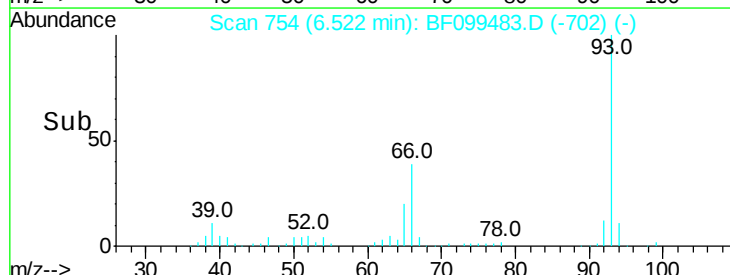
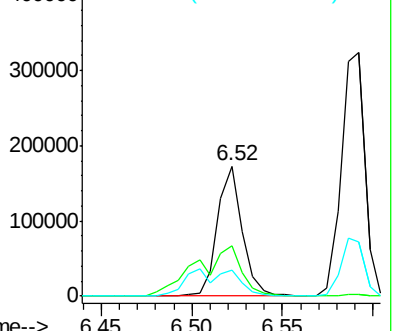
65 19.5 16.4 24.6

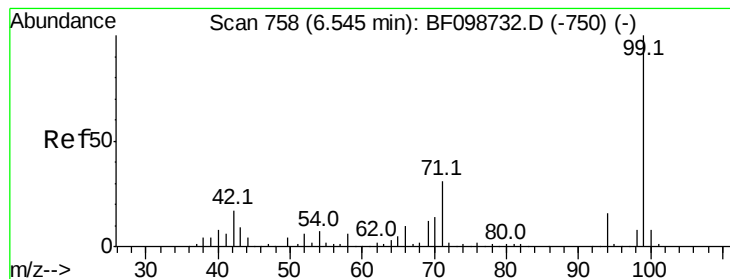


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 43.168 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

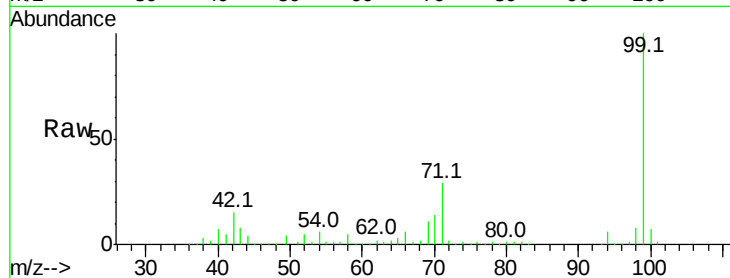
Tot Ion: 99 Resp: 336305

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

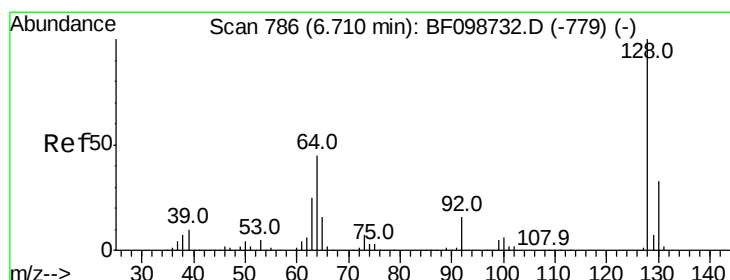
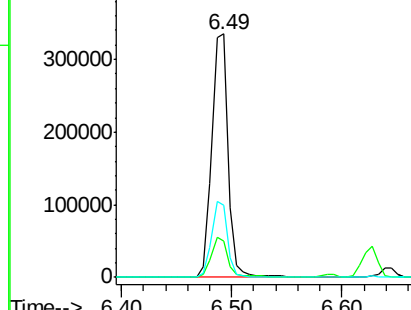
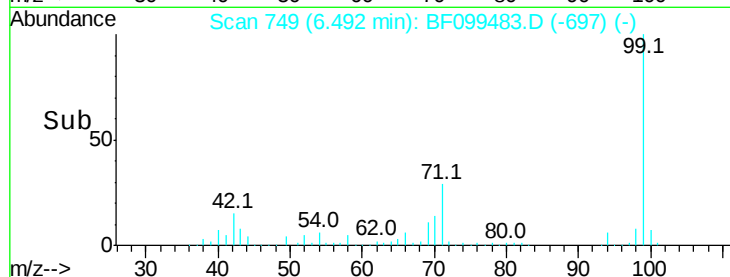
71 29.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 36.002 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

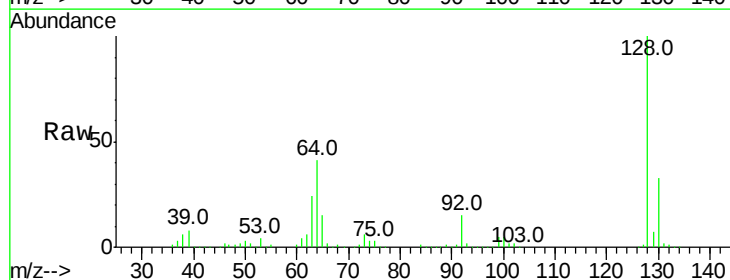
Tgt Ion:128 Resp: 257481

Ion Ratio Lower Upper

128 100

130 32.9 13.0 53.0

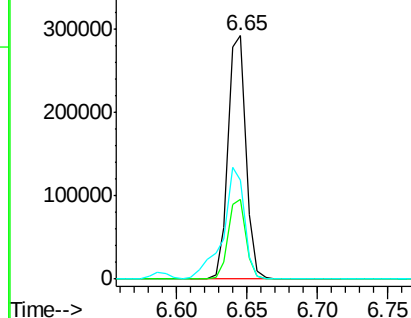
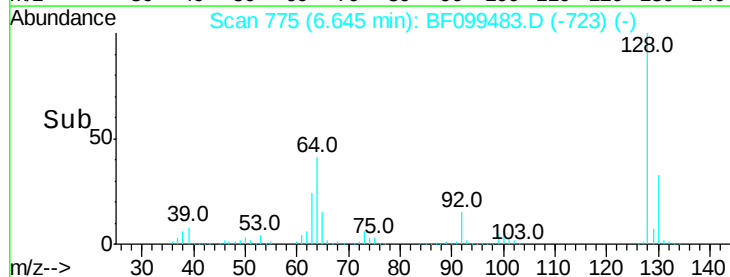
64 40.6 29.4 69.4

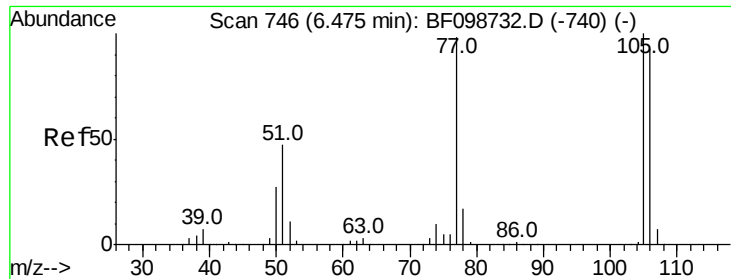


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

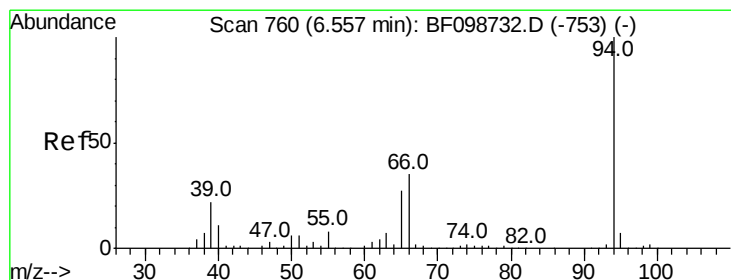
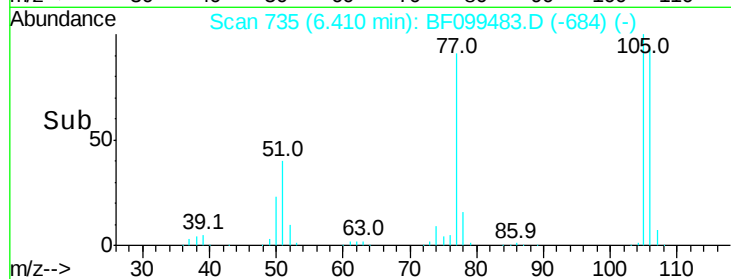
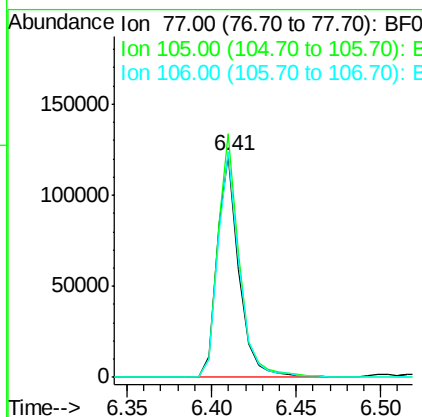
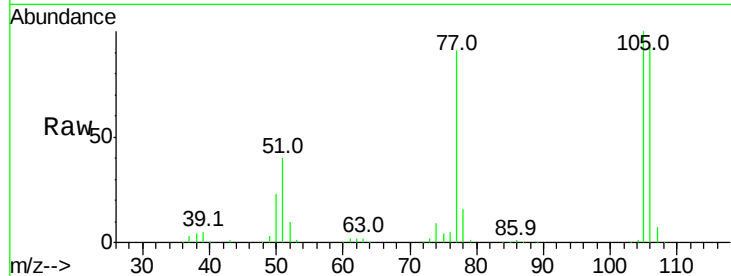




#9  
Benzaldehyde  
Concen: 24.561 ng  
RT: 6.41 min Scan# 735  
Delta R.T. -0.00 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

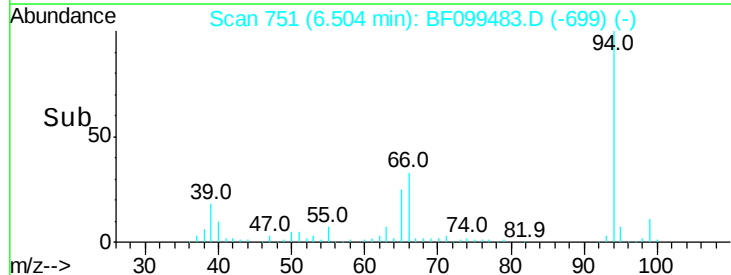
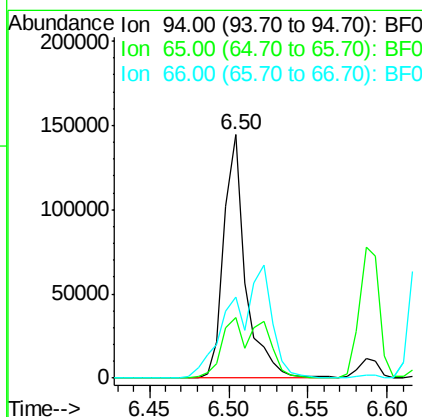
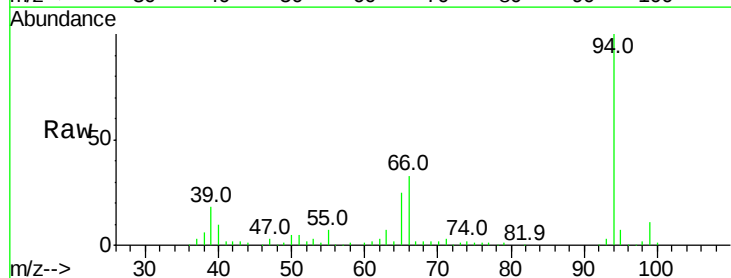
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 77 Resp: 110995  
Ion Ratio Lower Upper  
77 100  
105 109.9 81.1 121.1  
106 102.2 74.5 114.5



#10  
Phenol  
Concen: 15.760 ng  
RT: 6.50 min Scan# 751  
Delta R.T. 0.01 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Tgt Ion: 94 Resp: 137314  
Ion Ratio Lower Upper  
94 100  
65 24.7 7.9 47.9  
66 33.5 16.2 56.2





#11

bis(2-Chloroethyl)ether

Concen: 42.765 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

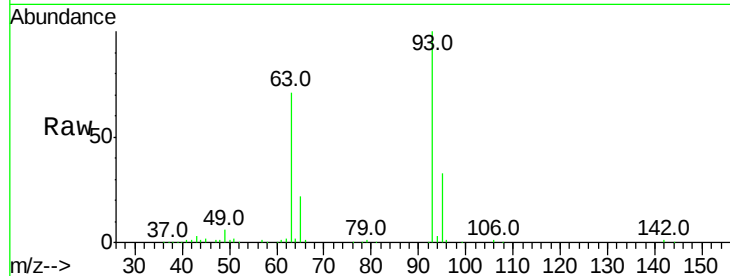
Tot Ion: 93 Resp: 289670

Ion Ratio Lower Upper

93 100

63 71.5 58.6 98.6

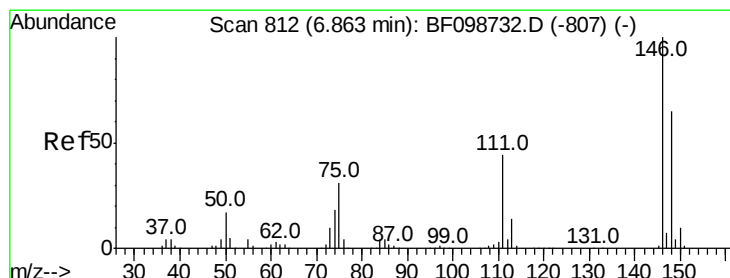
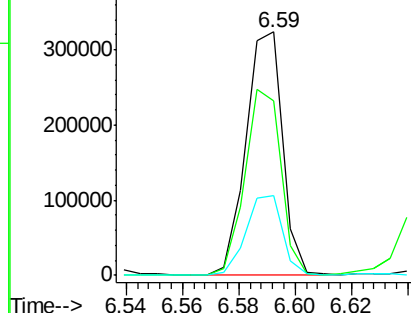
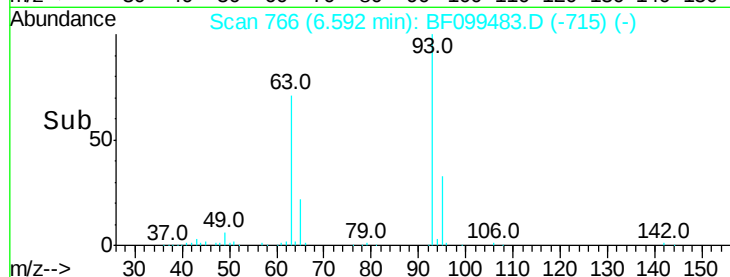
95 32.9 11.8 51.8



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: 43.554 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

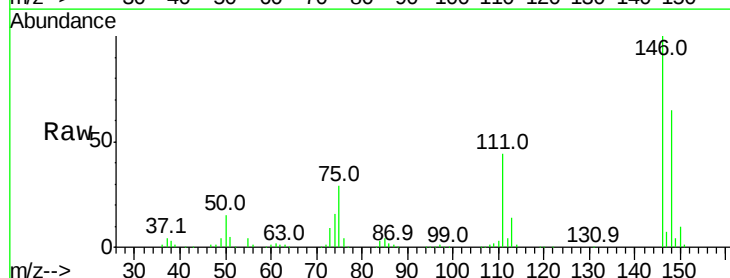
Tgt Ion: 146 Resp: 326213

Ion Ratio Lower Upper

146 100

148 64.8 51.8 77.8

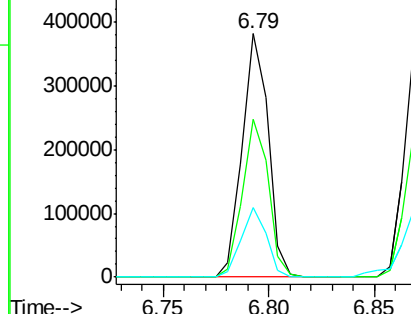
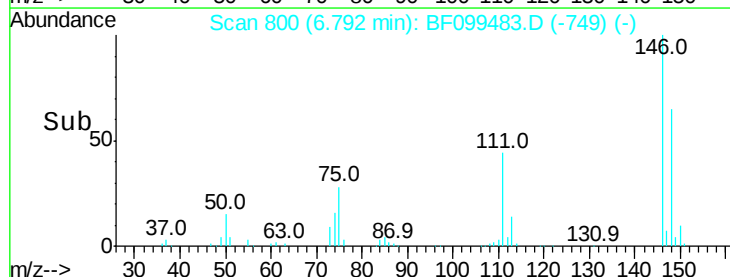
75 28.5 24.2 36.4

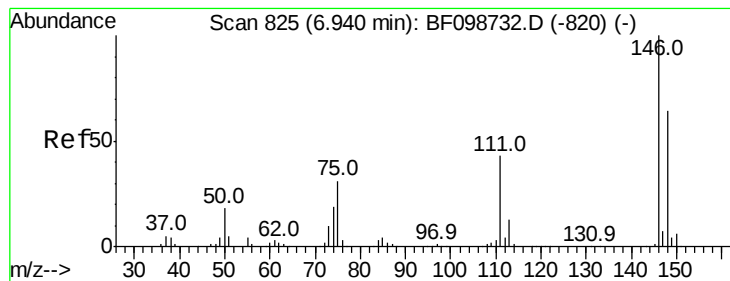


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 43.499 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampled :

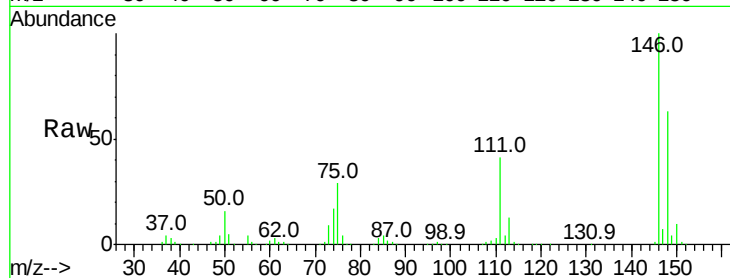
Tot Ion:146 Resp: 331483

Ion Ratio Lower Upper

146 100

148 62.8 50.8 76.2

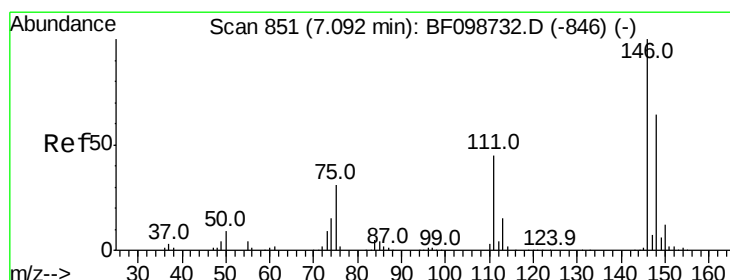
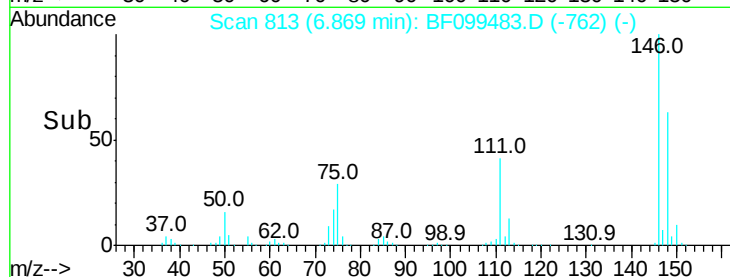
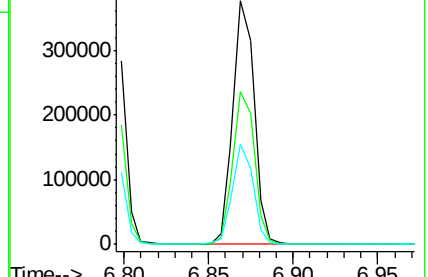
111 41.1 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 43.831 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

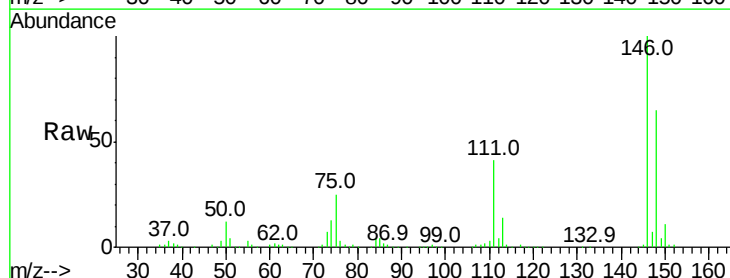
Tgt Ion:146 Resp: 308628

Ion Ratio Lower Upper

146 100

148 64.8 50.6 75.8

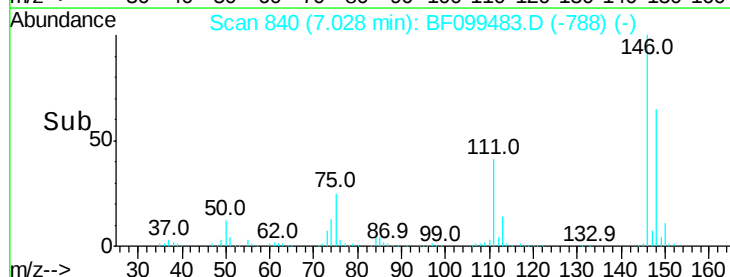
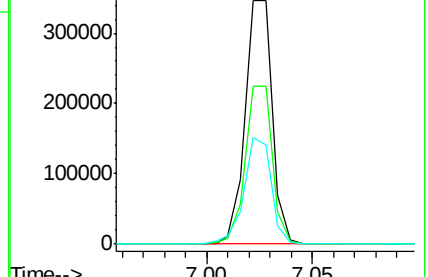
111 40.8 36.0 54.0

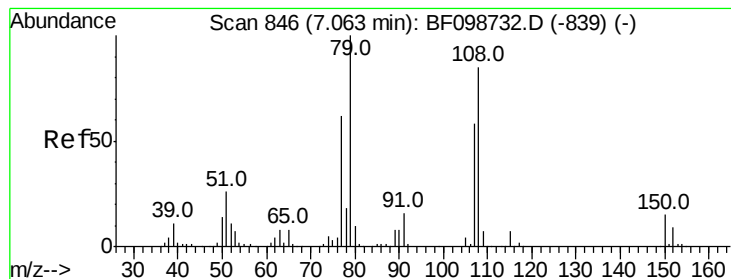


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 25.235 ng

RT: 7.00 min Scan# 835

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :  
BNA\_F  
ClientSampled :

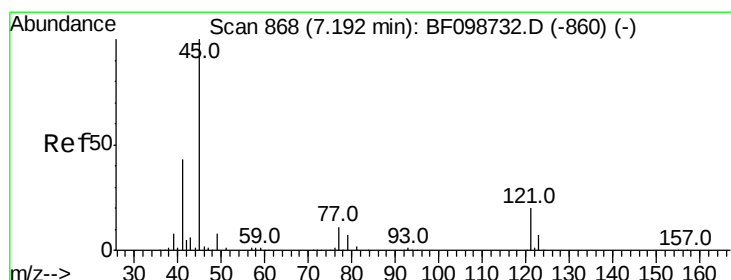
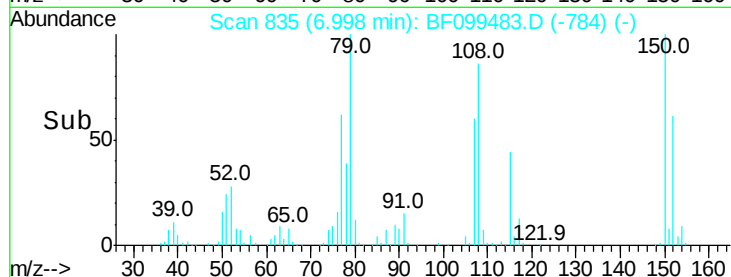
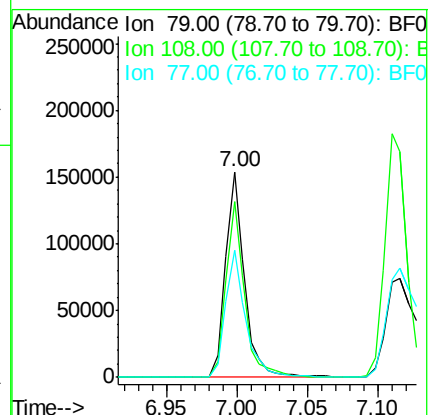
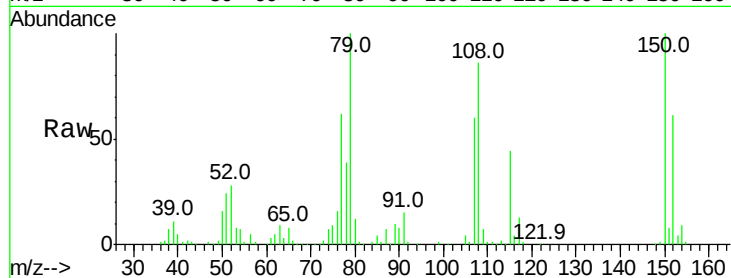
Tot Ion: 79 Resp: 144224

Ion Ratio Lower Upper

79 100

108 85.6 65.1 97.7

77 61.9 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.070 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

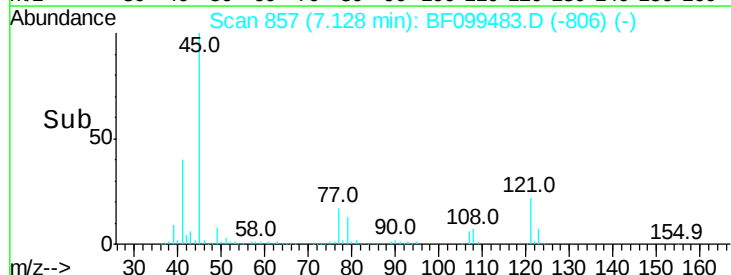
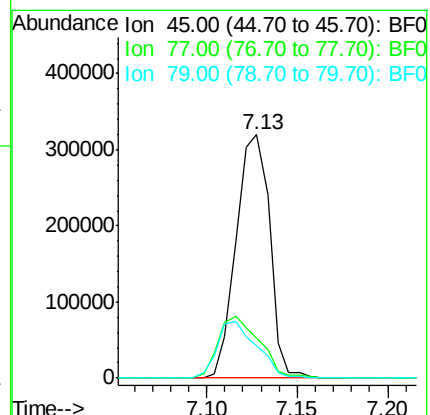
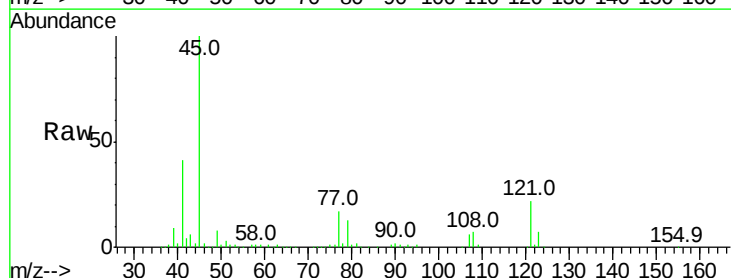
Tgt Ion: 45 Resp: 412305

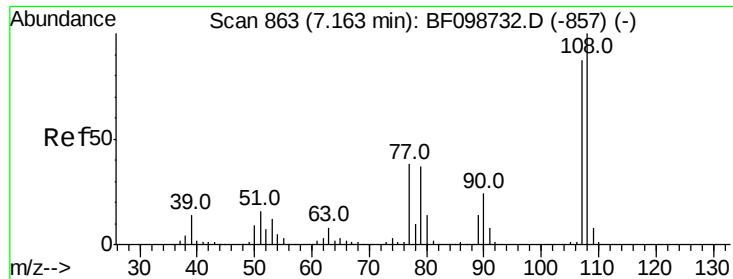
Ion Ratio Lower Upper

45 100

77 16.7 0.0 32.9

79 13.3 0.0 29.6

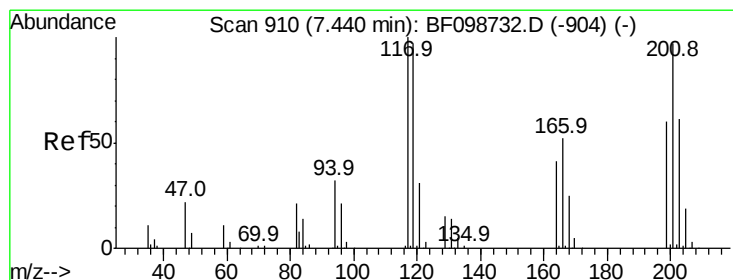
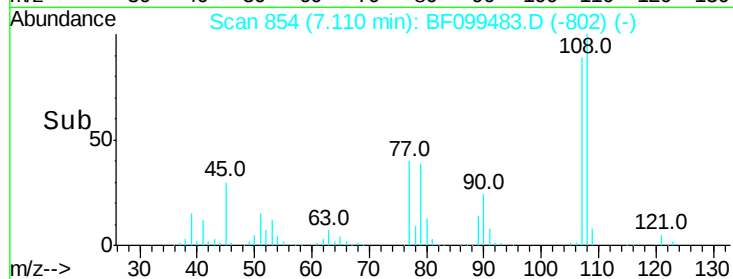
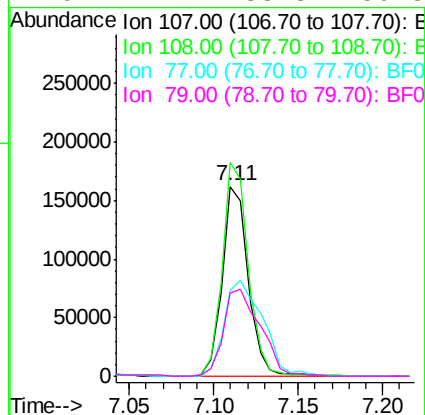
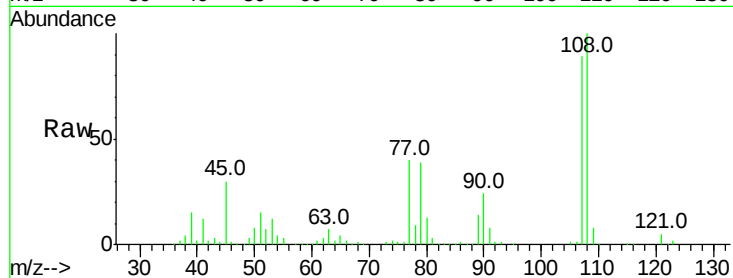




#17  
2-Methylphenol  
Concen: 29.871 ng  
RT: 7.11 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

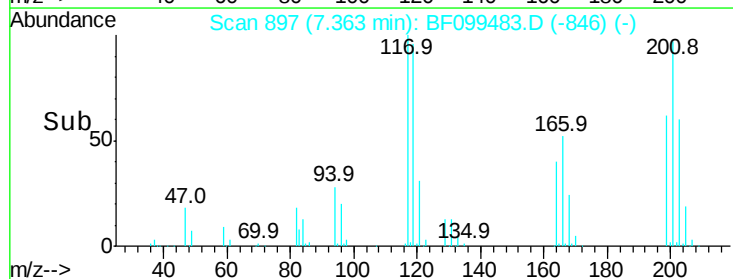
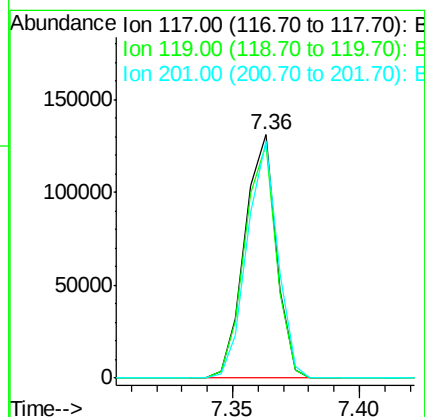
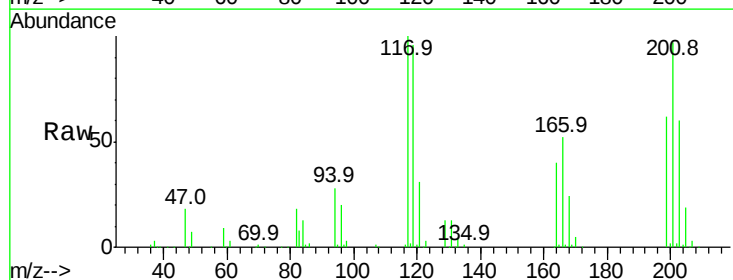
Instrument :  
BNA\_F  
ClientSampleId :

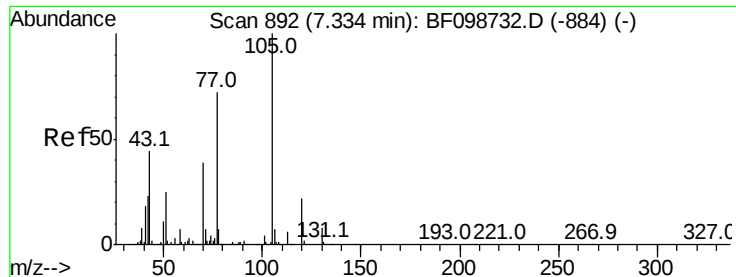
Tot Ion:107 Resp: 174797  
Ion Ratio Lower Upper  
107 100  
108 112.7 91.7 137.5  
77 44.9 33.8 50.8  
79 44.1 33.8 50.8



#18  
Hexachloroethane  
Concen: 41.443 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.00 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Tgt Ion:117 Resp: 113518  
Ion Ratio Lower Upper  
117 100  
119 95.6 75.8 113.8  
201 97.3 75.7 113.5

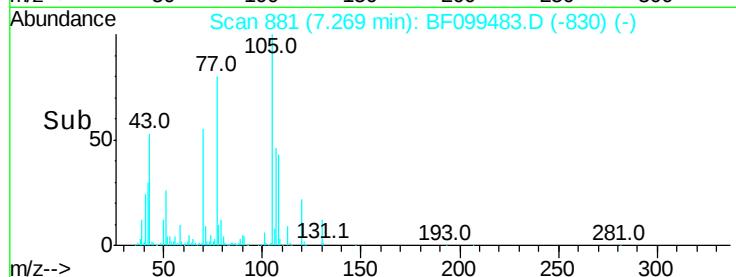
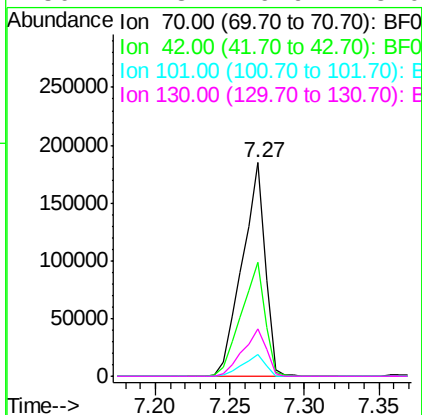
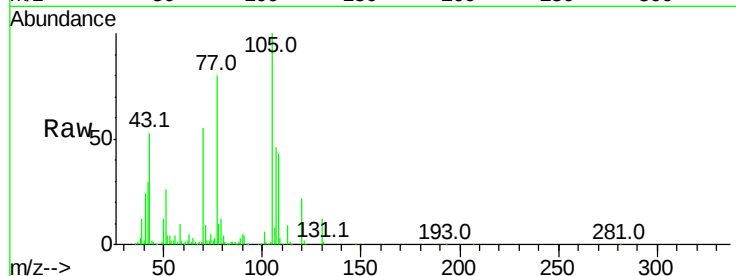




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.765 ng  
RT: 7.27 min Scan# 881  
Delta R.T. -0.00 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

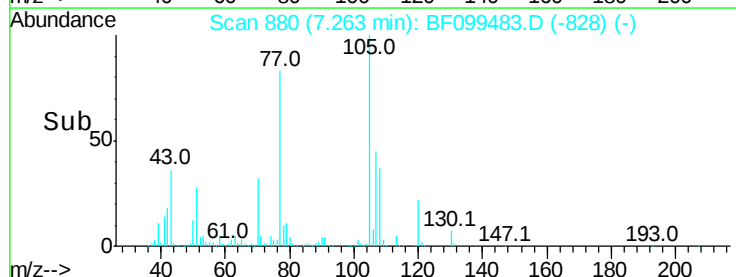
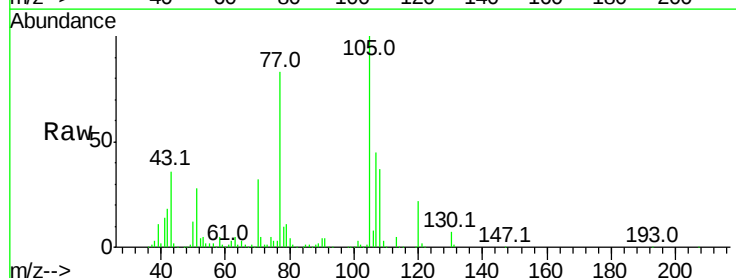
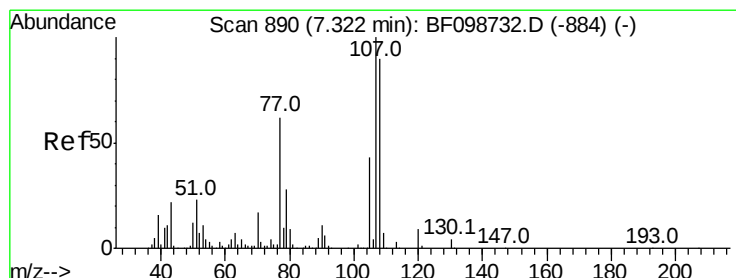
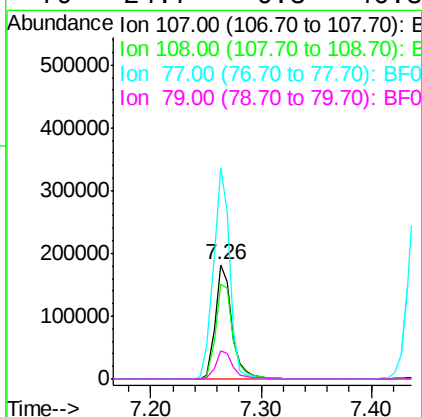
Instrument :  
BNA\_F  
ClientSampleId :

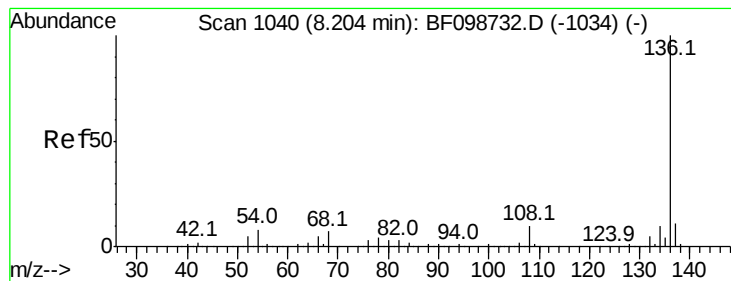
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 53.3  | 47.5  | 71.3  |
| 101     | 10.1  | 7.4   | 11.2  |
| 130     | 22.3  | 16.6  | 25.0  |



#20  
3+4-Methylphenols  
Concen: 25.807 ng  
RT: 7.26 min Scan# 880  
Delta R.T. 0.01 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 83.2  | 68.2  | 108.2 |
| 77      | 184.9 | 26.7  | 66.7# |
| 79      | 24.7  | 6.3   | 46.3  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 413389

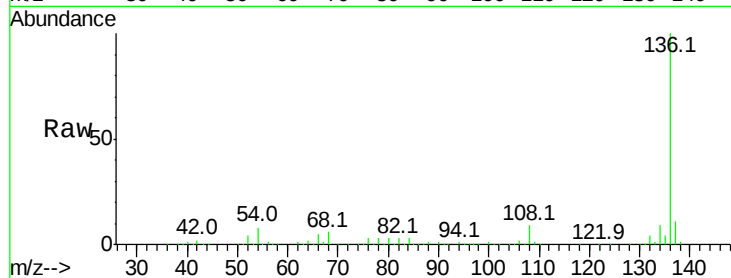
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.7 6.6 9.8

68 6.0 5.0 7.4

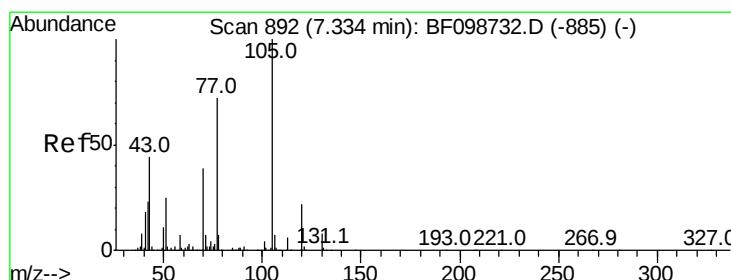
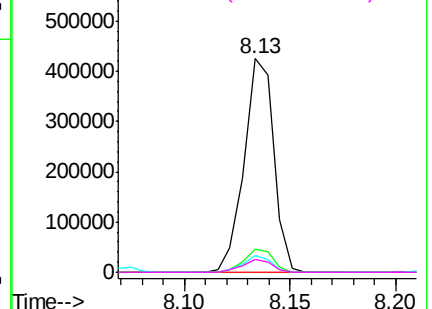
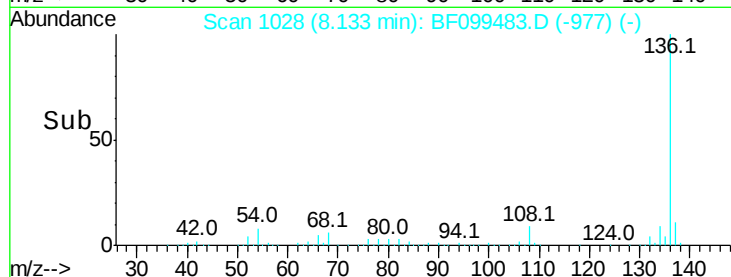


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.851 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Tgt Ion:105 Resp: 409147

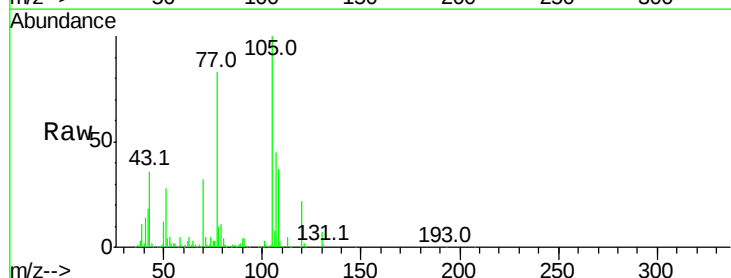
Ion Ratio Lower Upper

105 100

71 5.4 4.4 6.6

51 27.5 22.3 33.5

120 21.7 16.9 25.3

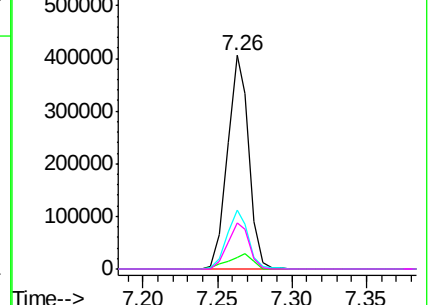
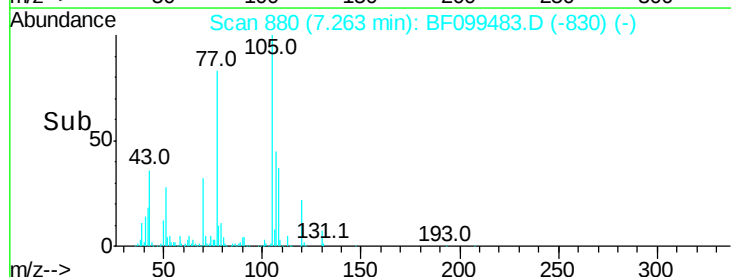


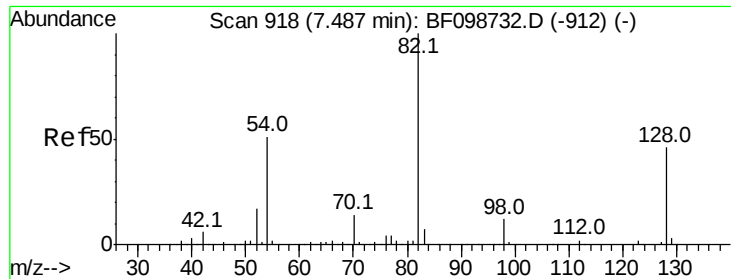
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

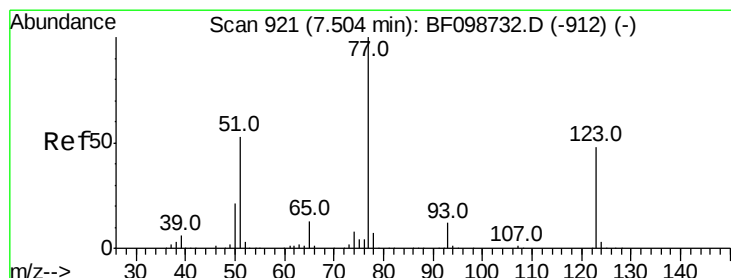
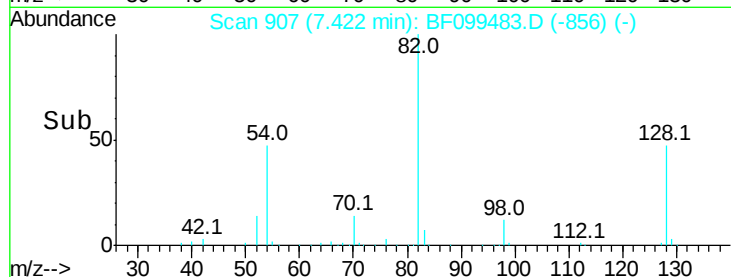
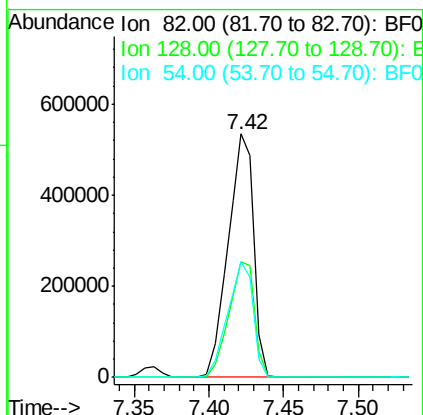
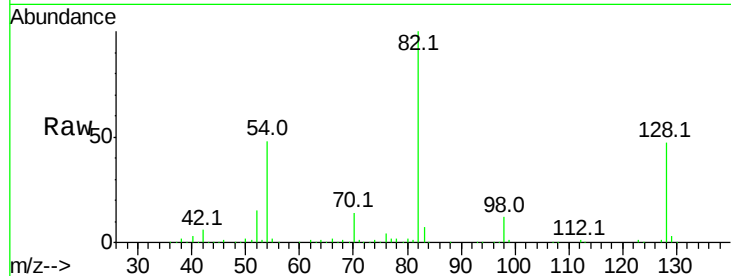




#23  
 Nitrobenzene-d5  
 Concen: 99.740 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.00 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

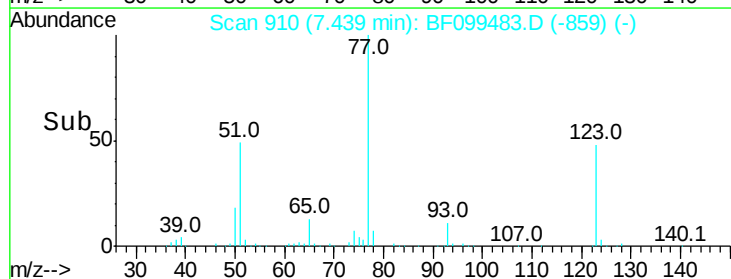
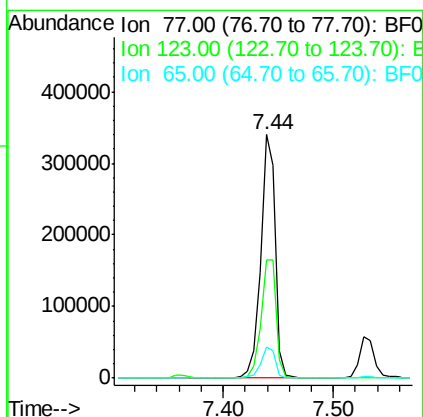
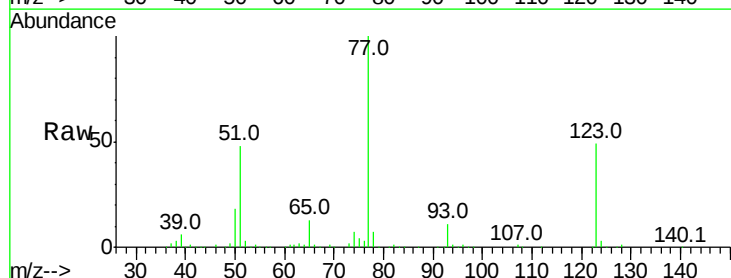
Instrument :  
 BNA\_F  
 ClientSampleId :

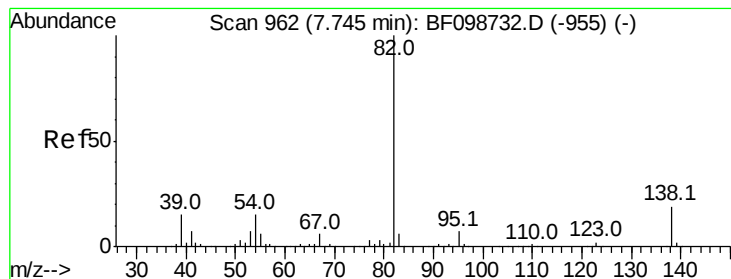
| Tot Ion   | 82   | Resp  | 642936 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 47.4 | 36.1  | 54.1   |
| 54        | 47.7 | 41.4  | 62.2   |



#24  
 Nitrobenzene  
 Concen: 42.811 ng  
 RT: 7.44 min Scan# 910  
 Delta R.T. -0.00 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

| Tgt Ion   | 77   | Resp  | 313047 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 48.5 | 37.9  | 56.9   |
| 65        | 13.0 | 11.0  | 16.4   |





#25

Isophorone

Concen: 43.237 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

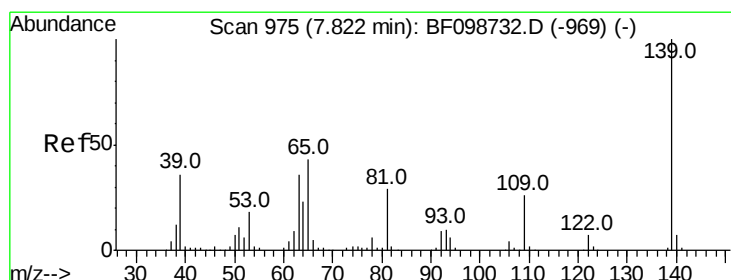
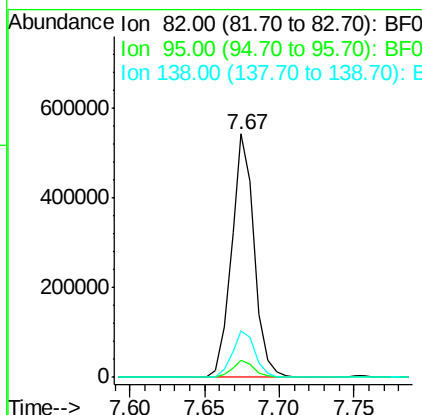
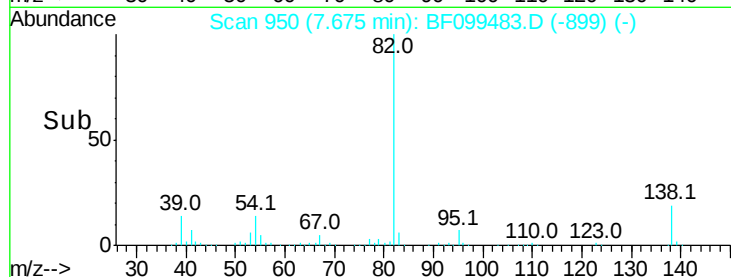
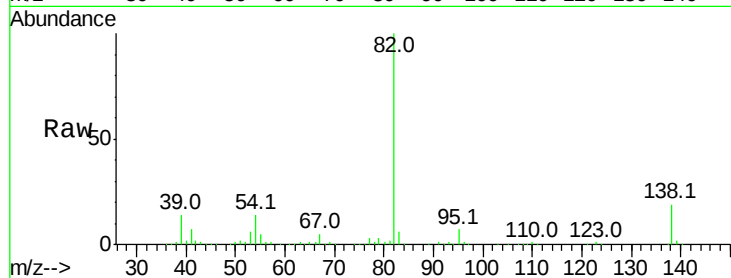
Tot Ion: 82 Resp: 576229

Ion Ratio Lower Upper

82 100

95 6.7 5.2 7.8

138 19.1 14.9 22.3



#26

2-Nitrophenol

Concen: 47.745 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

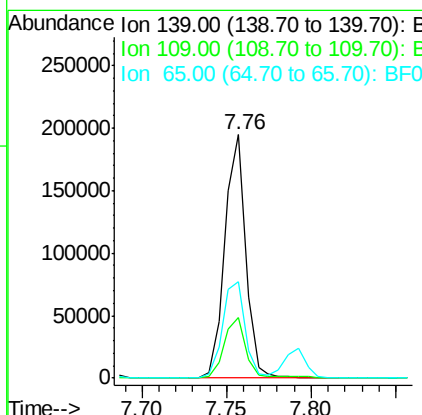
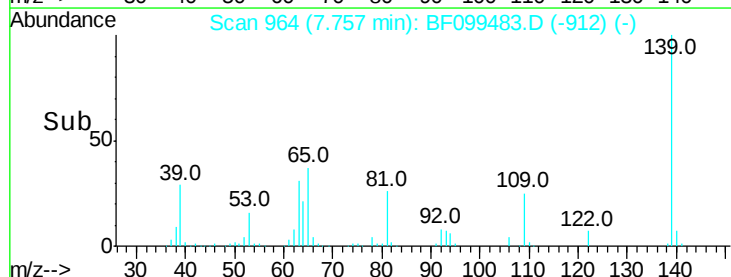
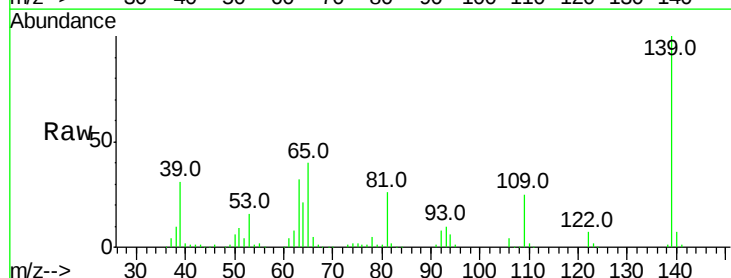
Tgt Ion: 139 Resp: 167885

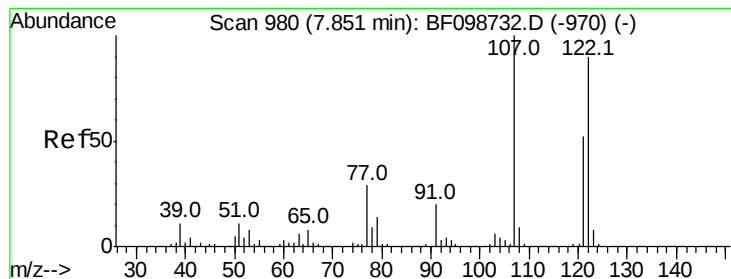
Ion Ratio Lower Upper

139 100

109 24.7 22.7 34.1

65 39.8 40.5 60.7#





#27

2,4-Dimethylphenol

Concen: 36.492 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

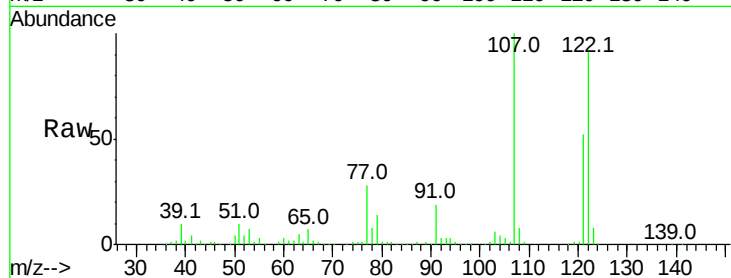
Tot Ion:122 Resp: 242325

Ion Ratio Lower Upper

122 100

107 109.5 91.2 136.8

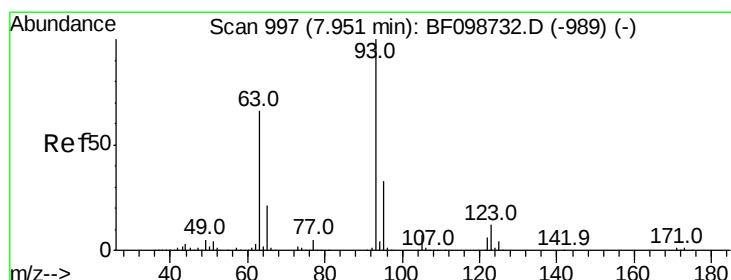
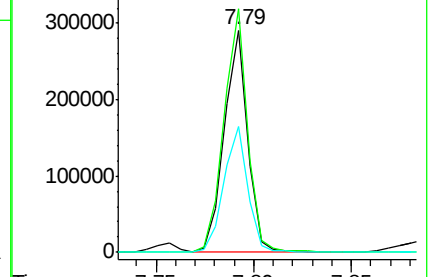
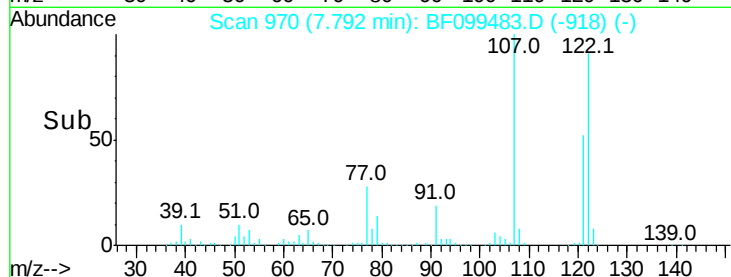
121 56.4 47.2 70.8



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: 44.444 ng

RT: 7.89 min Scan# 986

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

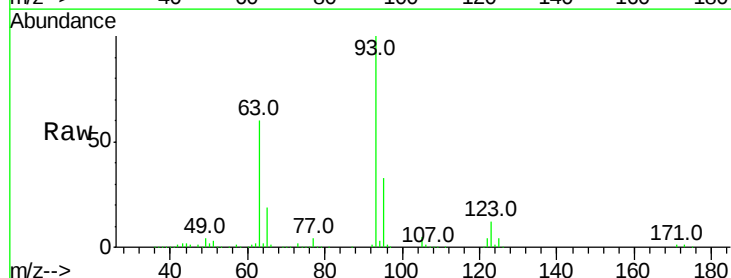
Tgt Ion: 93 Resp: 369124

Ion Ratio Lower Upper

93 100

95 32.9 26.3 39.5

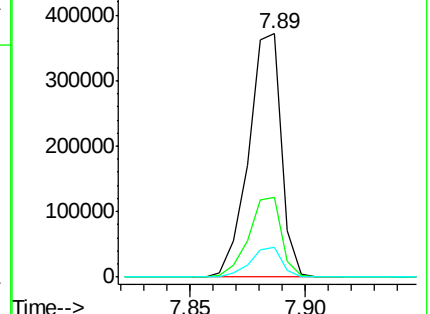
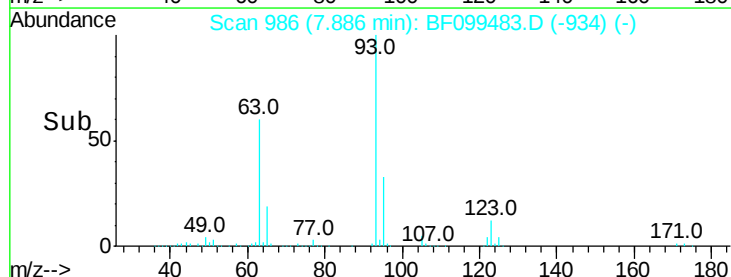
123 12.4 9.8 14.6

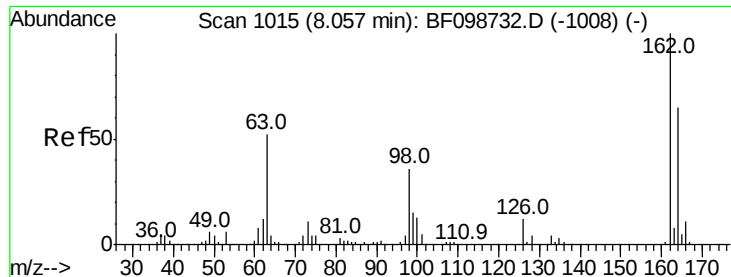


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

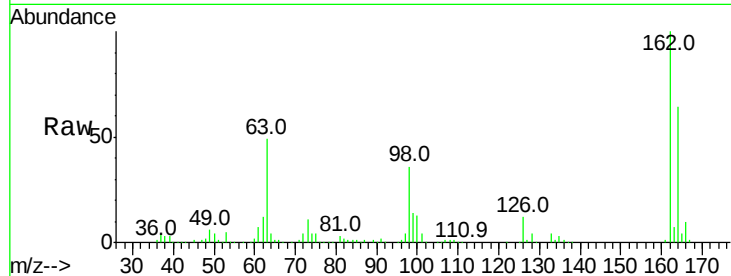




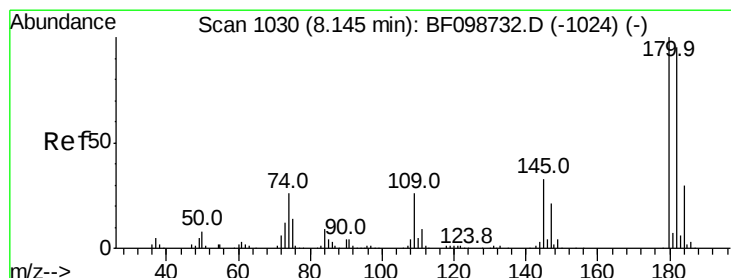
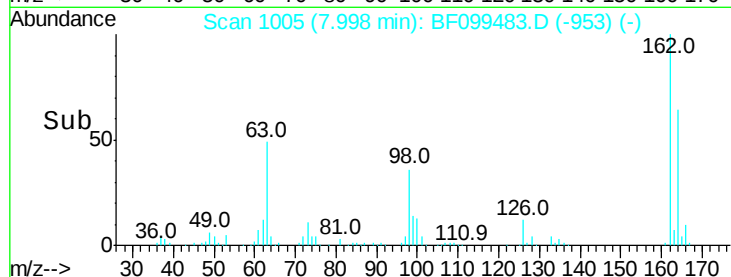
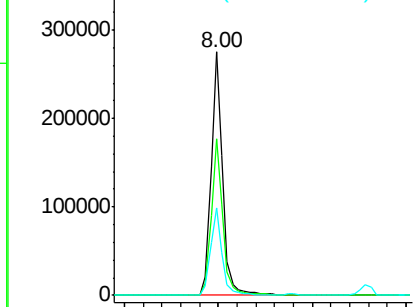
#29  
 2,4-Dichlorophenol  
 Concen: 42.161 ng  
 RT: 8.00 min Scan# 1005  
 Delta R.T. 0.01 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:162 Resp: 240376  
 Ion Ratio Lower Upper  
 162 100  
 164 64.5 42.7 82.7  
 98 35.8 18.1 58.1

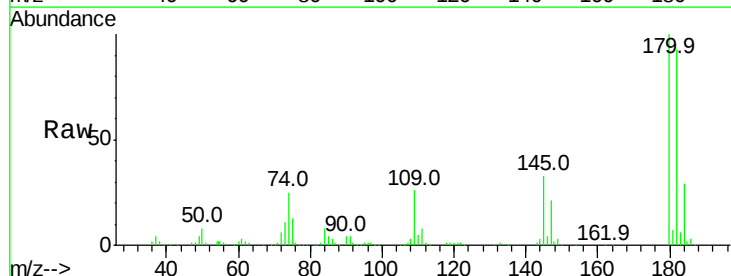


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BFO

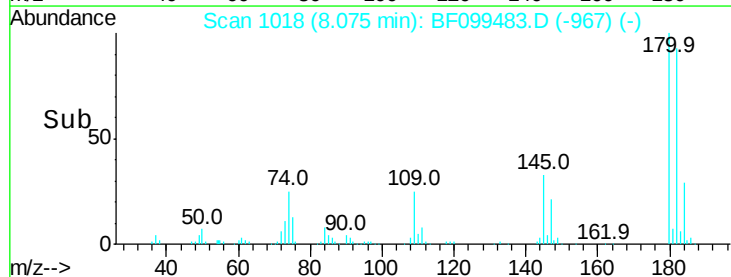
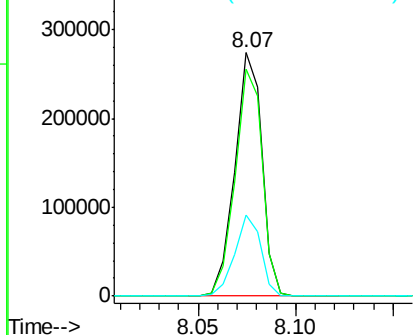


#30  
 1,2,4-Trichlorobenzene  
 Concen: 45.987 ng  
 RT: 8.07 min Scan# 1018  
 Delta R.T. -0.00 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

Tgt Ion:180 Resp: 262231  
 Ion Ratio Lower Upper  
 180 100  
 182 93.1 76.8 115.2  
 145 33.2 26.5 39.7



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





#31

Naphthalene

Concen: 44.731 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

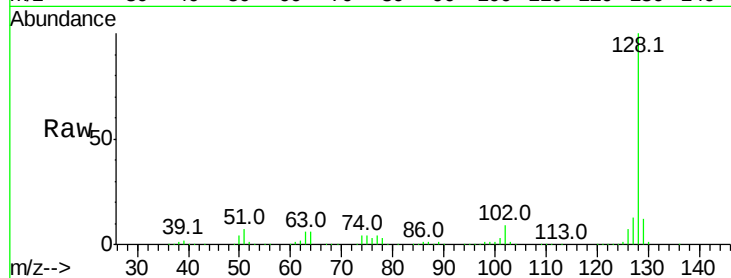
Tot Ion:128 Resp: 868475

Ion Ratio Lower Upper

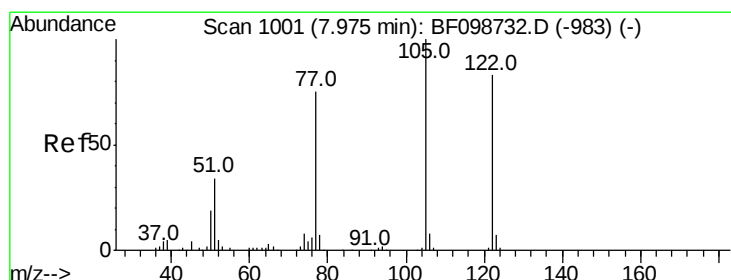
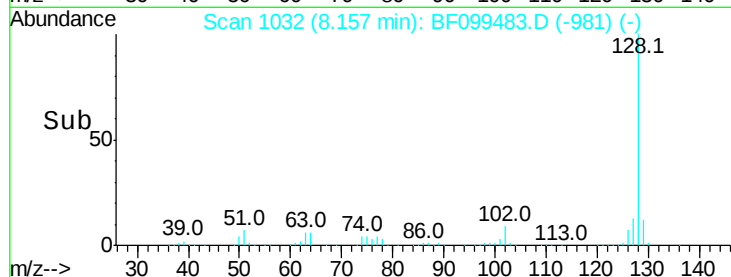
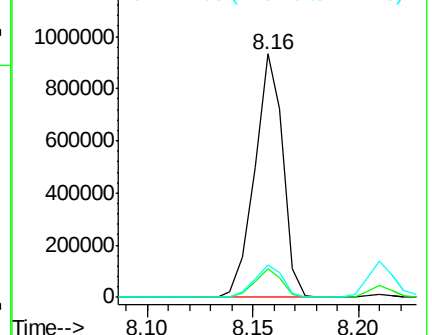
128 100

129 11.6 8.8 13.2

127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 4.901 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.02 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

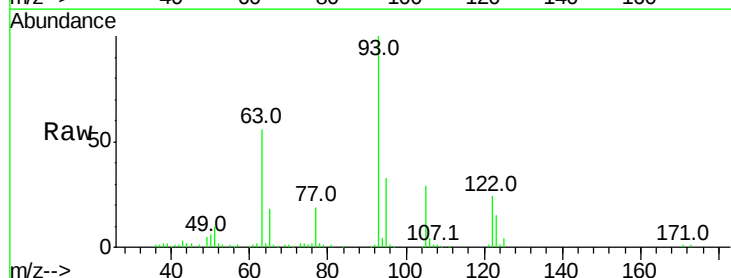
Tgt Ion:122 Resp: 26736

Ion Ratio Lower Upper

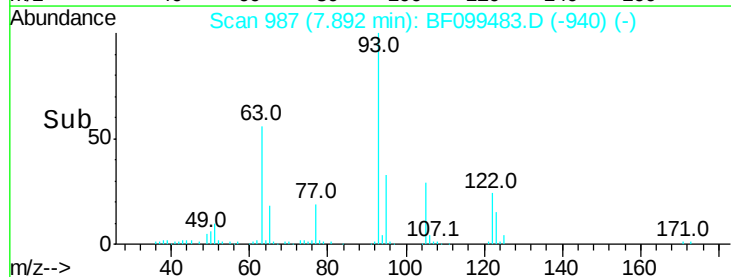
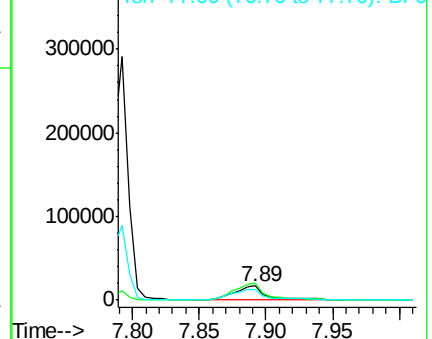
122 100

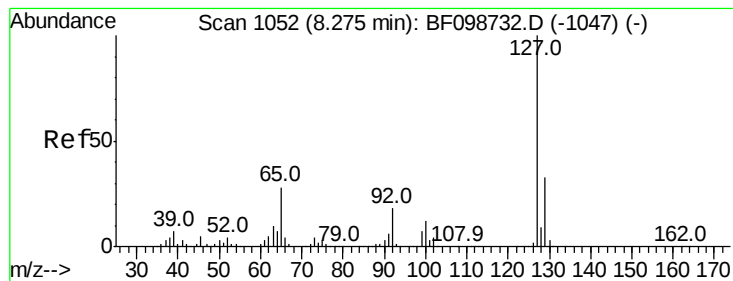
105 121.1 101.1 141.1

77 79.6 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: 15.806 ng

RT: 8.21 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF099483.D

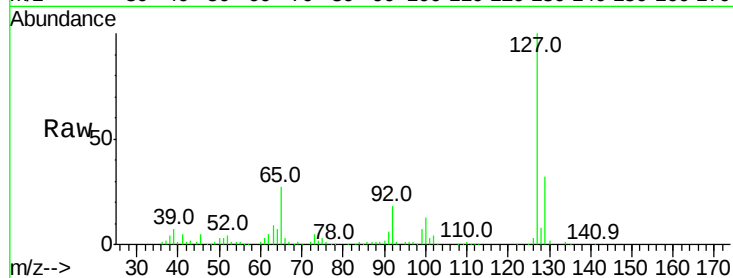
Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 128156 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.1  | 25.9  | 38.9   |
| 65       | 27.3  | 25.0  | 37.4   |
| 92       | 18.3  | 15.2  | 22.8   |

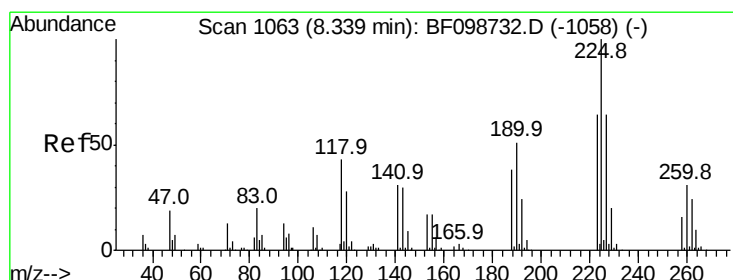
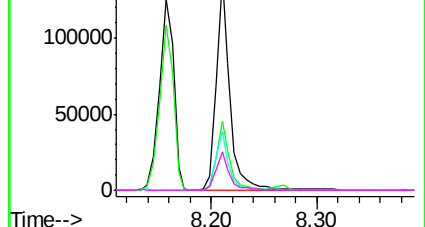
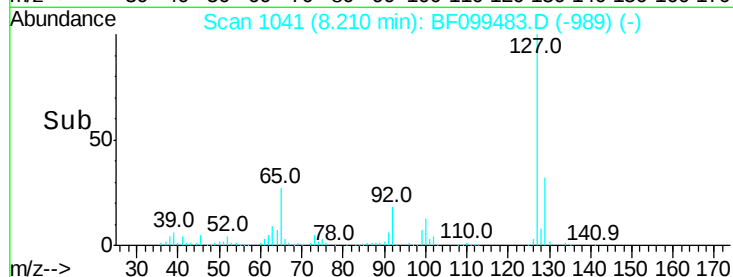


Abundance Ion 127.00 (126.70 to 127.70): E

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: 43.274 ng

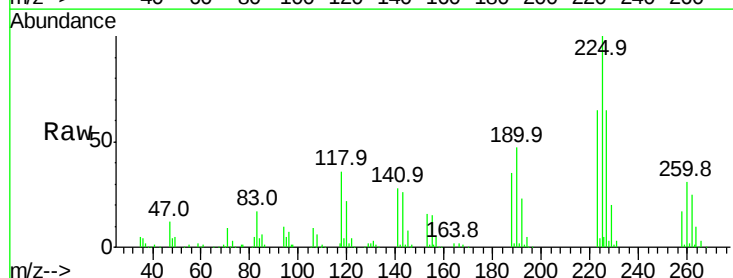
RT: 8.27 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

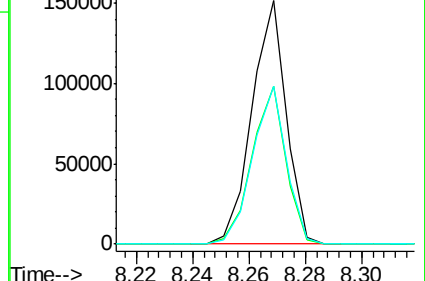
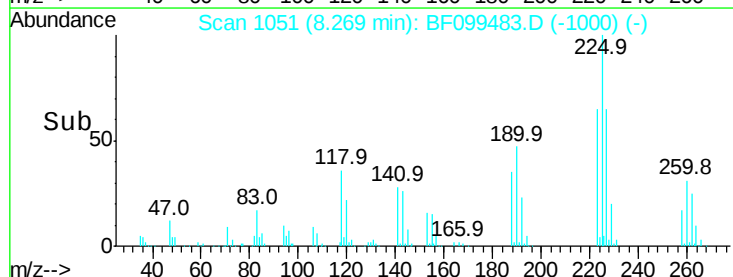
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 127101 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.9  | 50.6  | 76.0   |
| 227      | 64.9  | 51.9  | 77.9   |

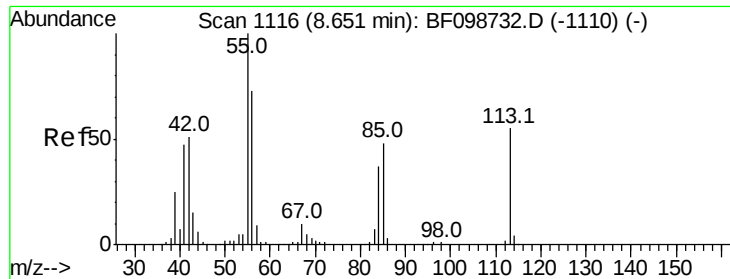


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 6.359 ng

RT: 8.60 min Scan# 1108

Delta R.T. 0.02 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampled :

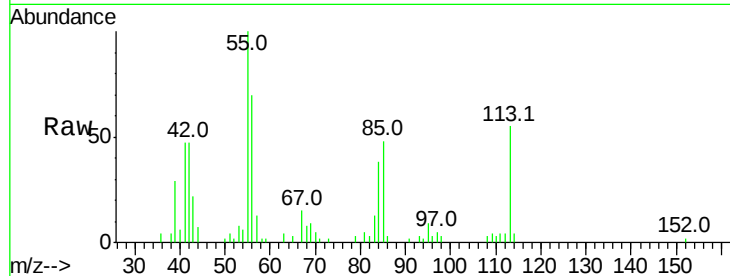
Tot Ion:113 Resp: 11630

Ion Ratio Lower Upper

113 100

55 181.0 163.3 203.3

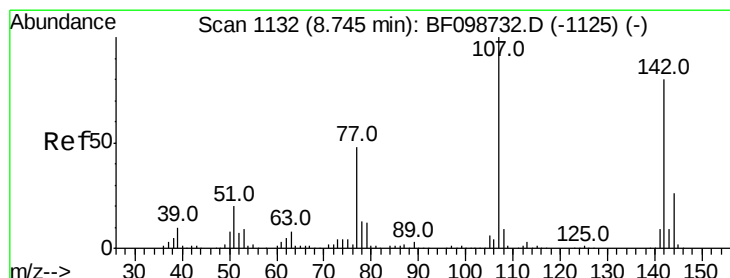
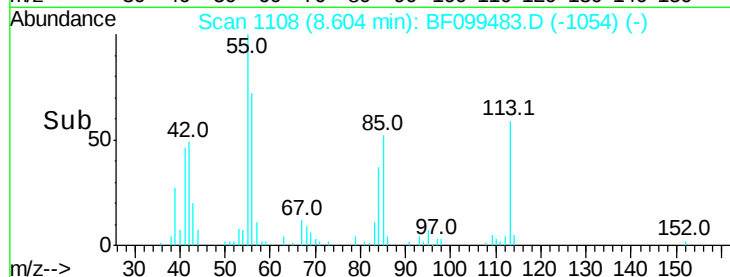
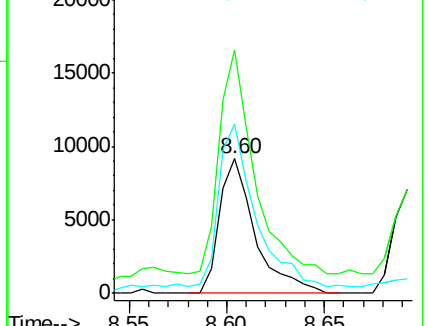
56 126.1 115.7 155.7



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: 36.453 ng

RT: 8.69 min Scan# 1123

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

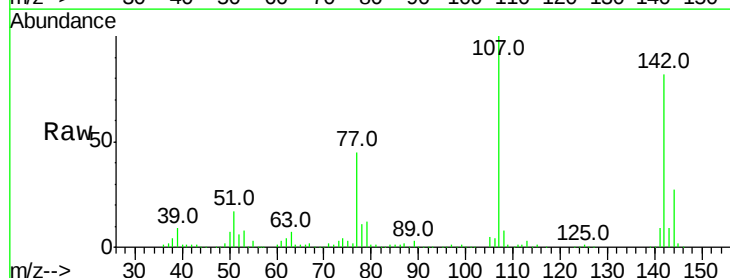
Tgt Ion:107 Resp: 233602

Ion Ratio Lower Upper

107 100

144 26.5 20.5 30.7

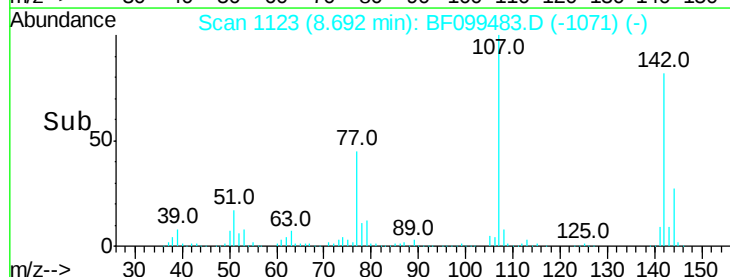
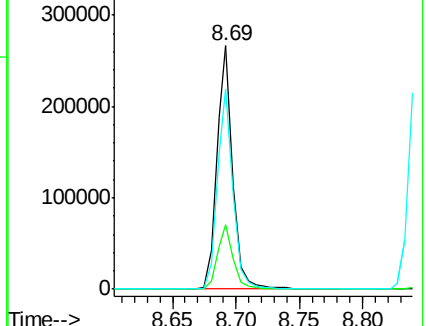
142 82.3 62.0 93.0

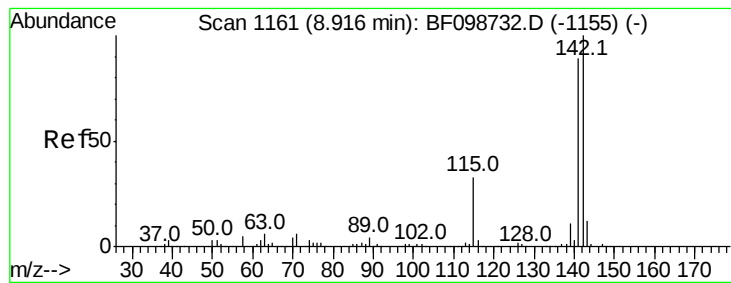


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

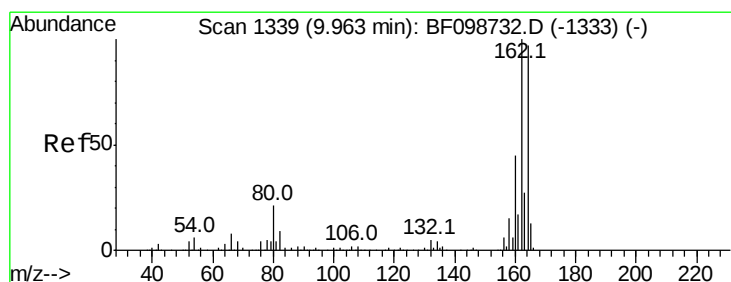
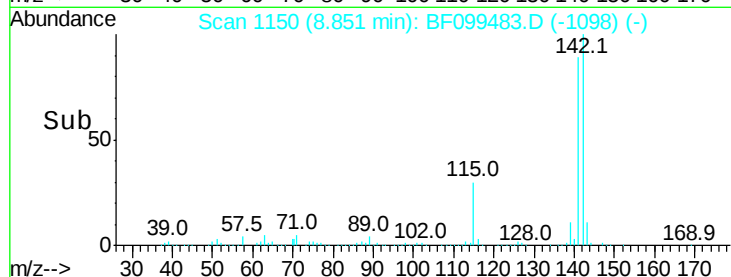
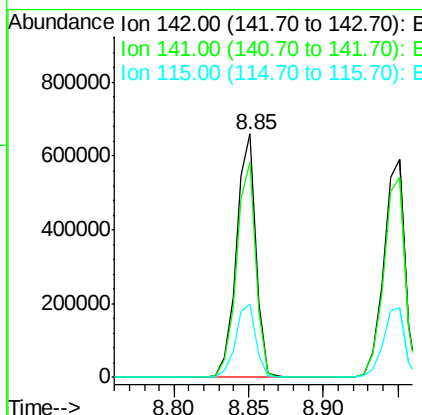
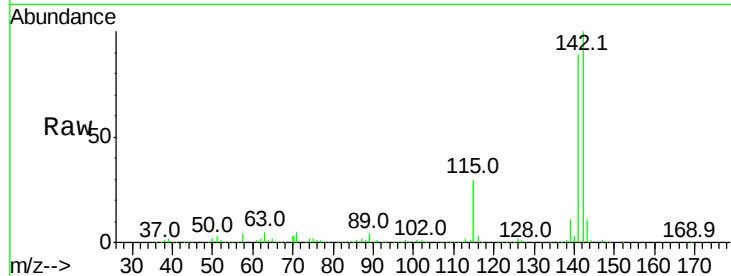




#37  
 2-Methylnaphthalene  
 Concen: 47.691 ng  
 RT: 8.85 min Scan# 1150  
 Delta R.T. 0.01 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

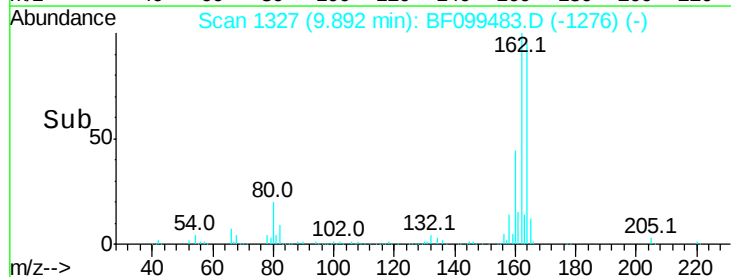
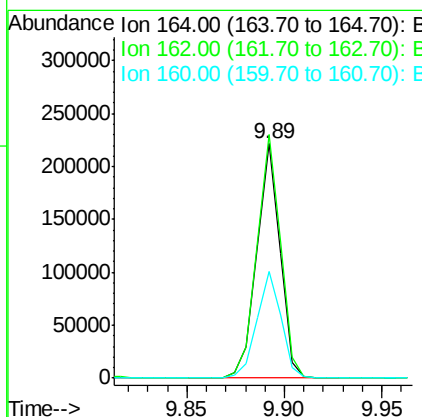
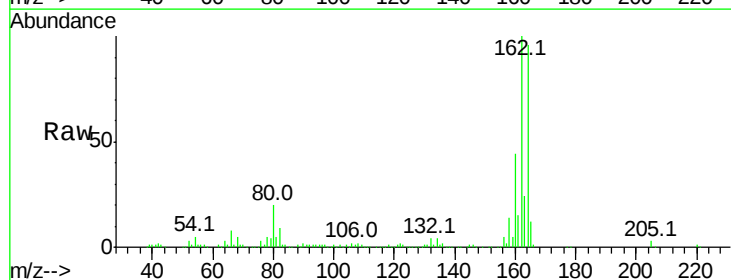
Instrument :  
 BNA\_F  
 ClientSampled :

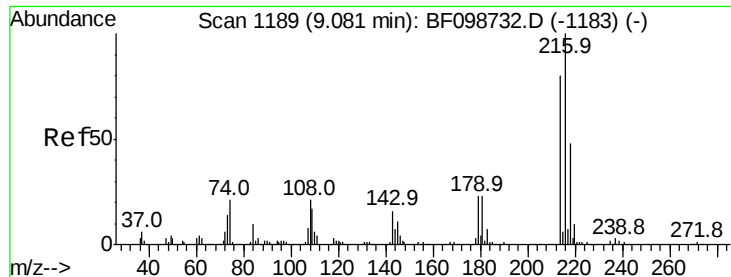
Tot Ion:142 Resp: 601932  
 Ion Ratio Lower Upper  
 142 100  
 141 88.5 70.8 106.2  
 115 30.4 26.1 39.1



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.00 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

Tgt Ion:164 Resp: 182897  
 Ion Ratio Lower Upper  
 164 100  
 162 103.9 86.1 129.1  
 160 45.7 38.3 57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.065 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampled :

Tot Ion:216 Resp: 240354

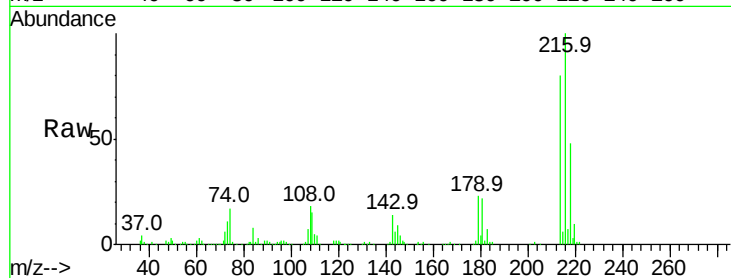
Ion Ratio Lower Upper

216 100

214 79.5 63.0 94.4

179 22.6 18.1 27.1

108 20.1 17.2 25.8

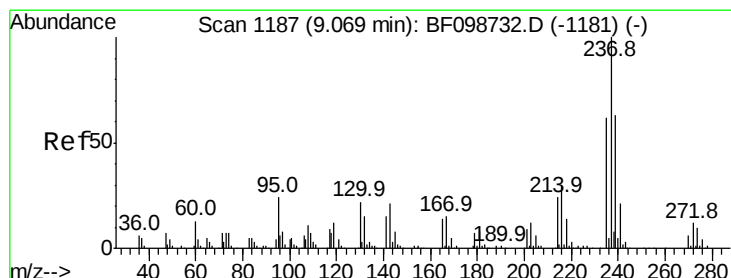
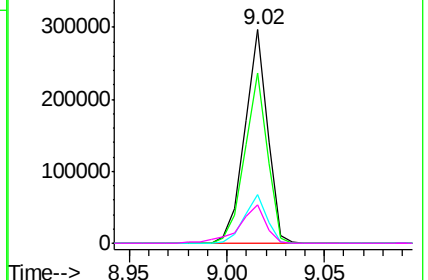
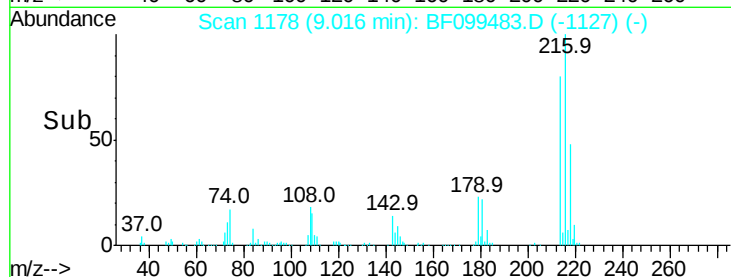


Abundance Ion 216.00 (215.70 to 216.70): E

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: 59.675 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

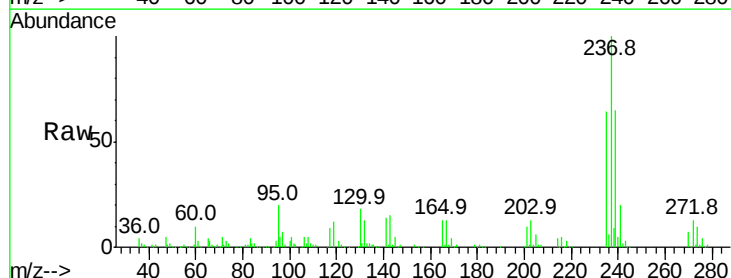
Tgt Ion:237 Resp: 148752

Ion Ratio Lower Upper

237 100

235 63.8 44.8 84.8

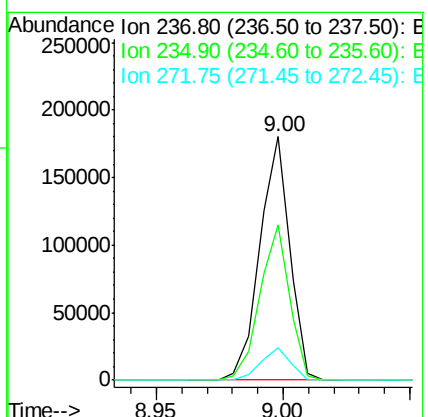
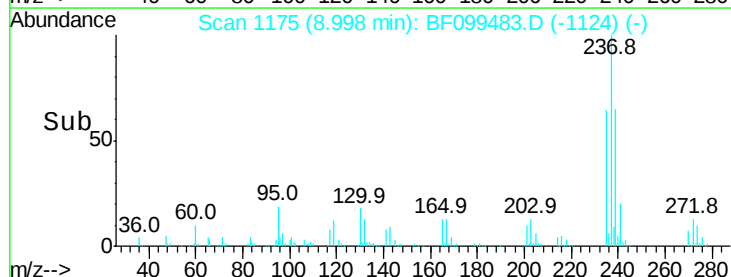
272 13.2 0.0 33.3

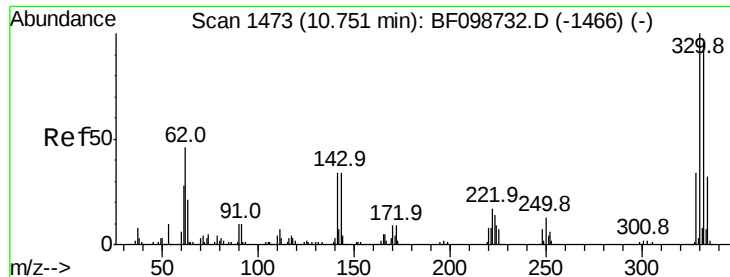


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

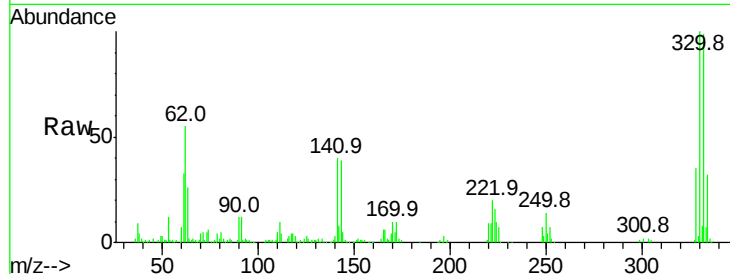




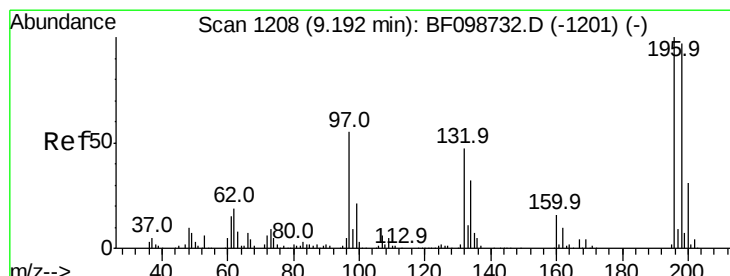
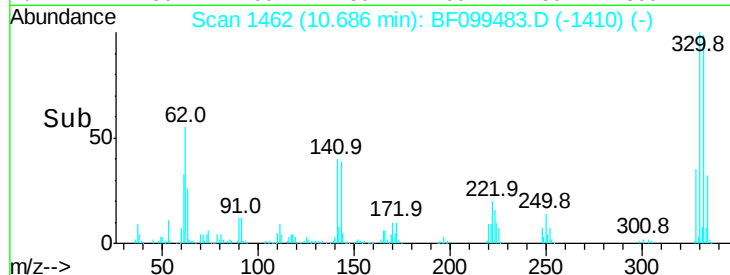
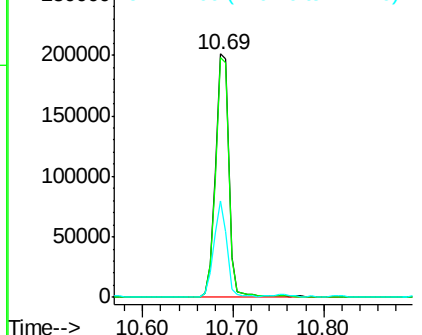
#41  
 2,4,6-Tribromophenol  
 Concen: 139.977 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. 0.01 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 209489  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 77.0 115.6  
 141 38.4 29.9 44.9

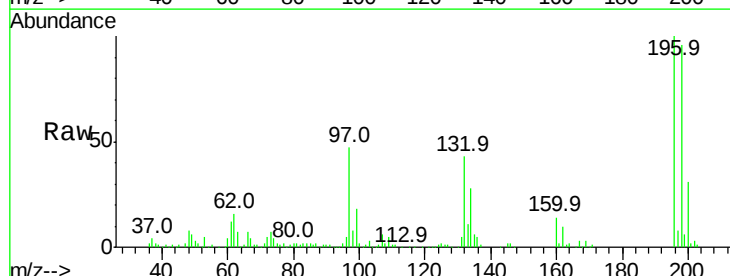


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

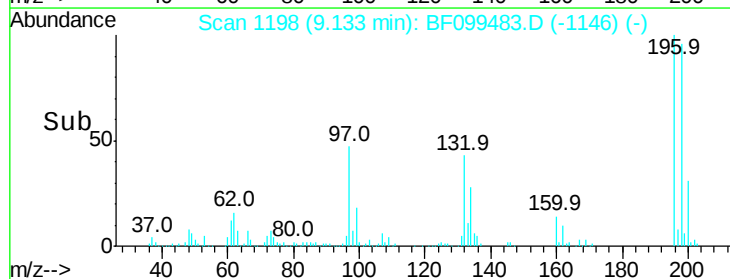
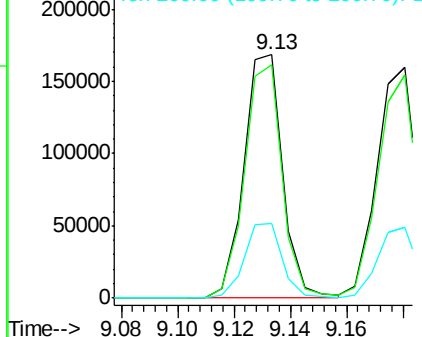


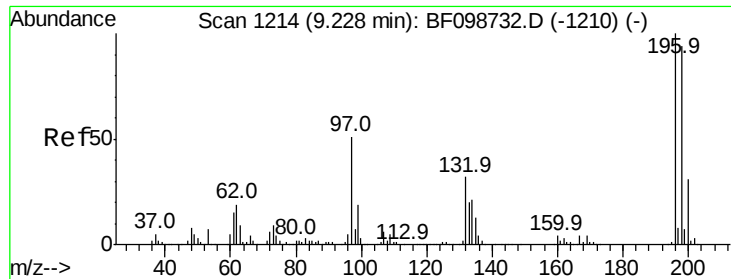
#42  
 2,4,6-Trichlorophenol  
 Concen: 41.388 ng  
 RT: 9.13 min Scan# 1198  
 Delta R.T. 0.01 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

Tgt Ion:196 Resp: 159929  
 Ion Ratio Lower Upper  
 196 100  
 198 96.1 75.7 113.5  
 200 30.8 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

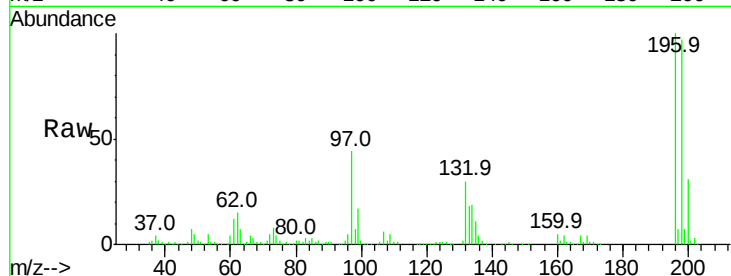




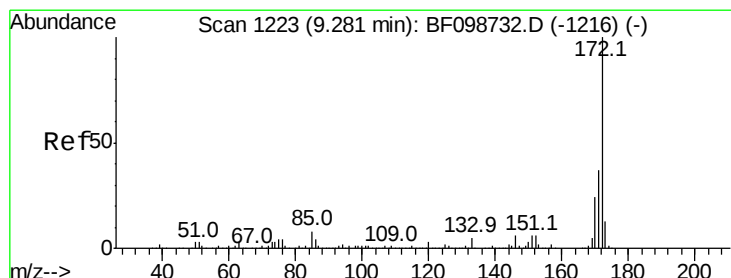
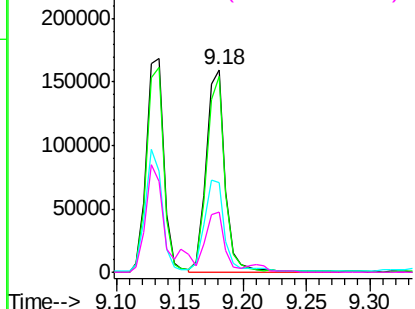
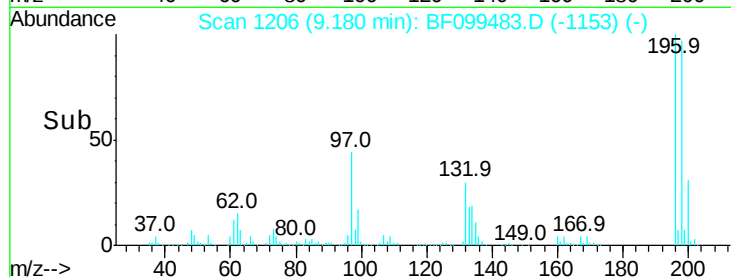
#43  
 2,4,5-Trichlorophenol  
 Concen: 43.274 ng  
 RT: 9.18 min Scan# 1206  
 Delta R.T. 0.01 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:196 Resp: 166925  
 Ion Ratio Lower Upper  
 196 100  
 198 97.0 74.6 112.0  
 97 44.5 42.9 64.3  
 132 29.8 26.3 39.5

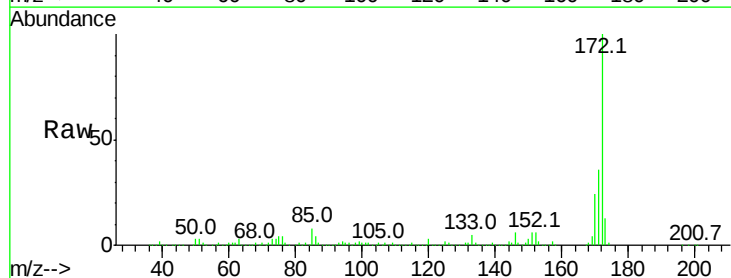


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

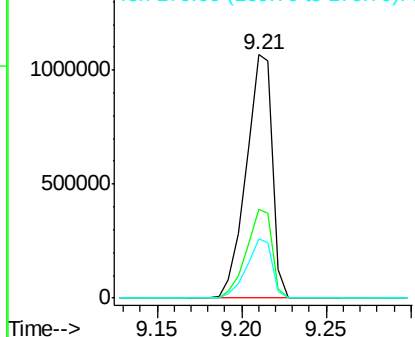
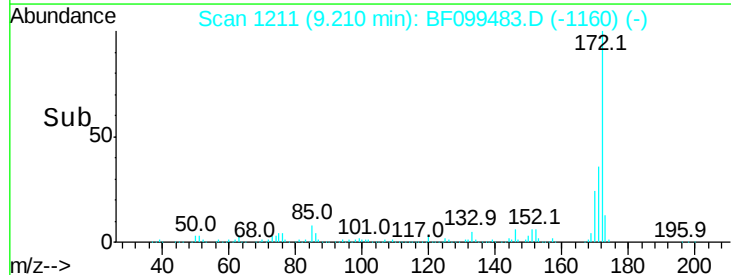


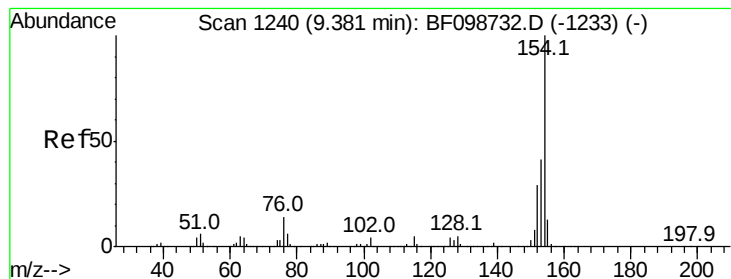
#44  
 2-Fluorobiphenyl  
 Concen: 105.324 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. -0.00 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

Tgt Ion:172 Resp: 1153905  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.7 44.5  
 170 24.3 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: 44.091 ng

RT: 9.32 min Scan# 1229

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

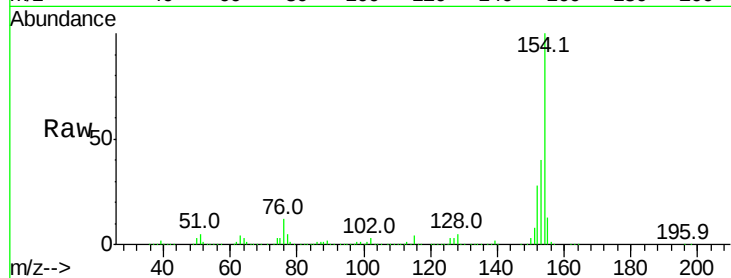
Tot Ion:154 Resp: 693055

Ion Ratio Lower Upper

154 100

153 40.2 21.3 61.3

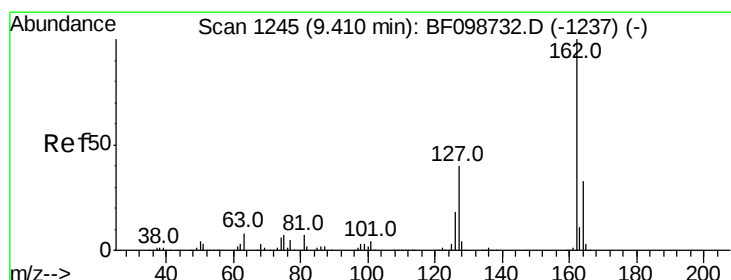
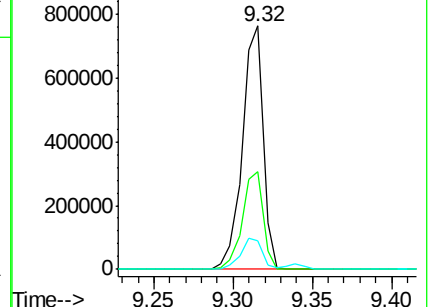
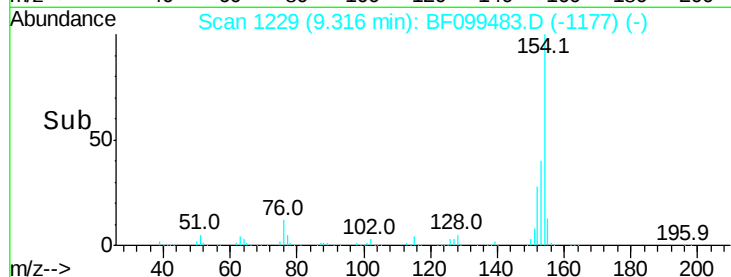
76 11.9 0.0 34.0



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: 46.192 ng

RT: 9.34 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

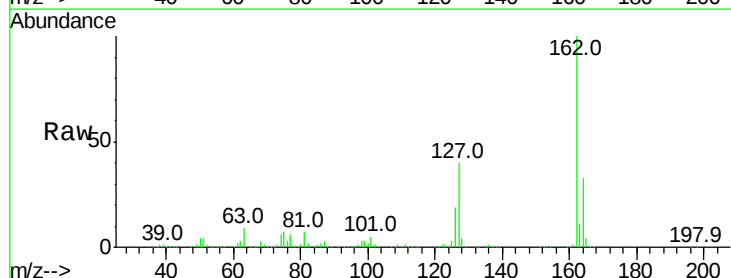
Tgt Ion:162 Resp: 545168

Ion Ratio Lower Upper

162 100

127 40.2 33.9 50.9

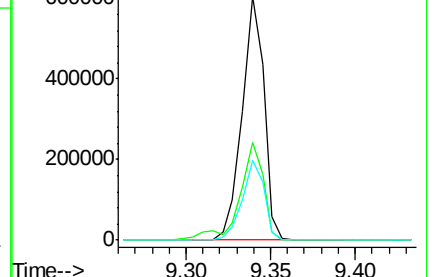
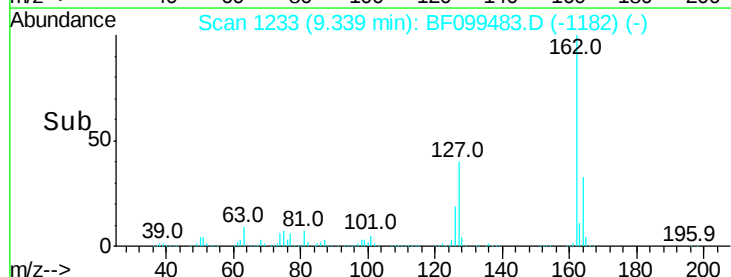
164 32.9 26.5 39.7

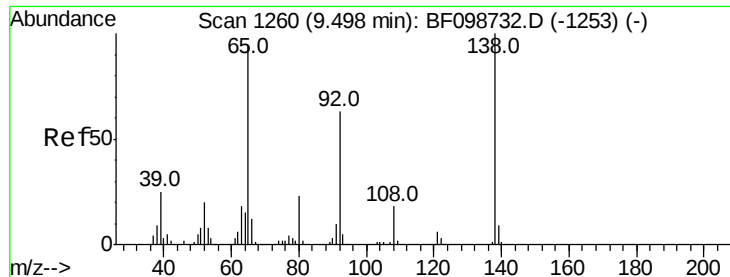


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 44.175 ng

RT: 9.45 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

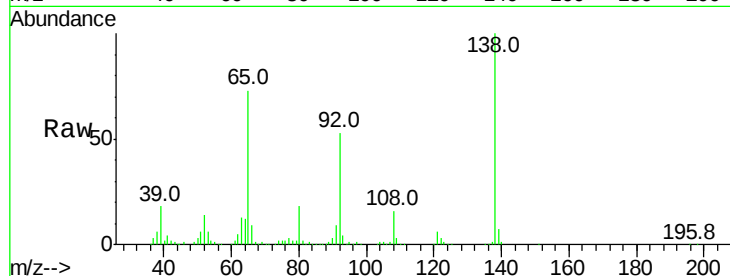
Tot Ion: 65 Resp: 159639

Ion Ratio Lower Upper

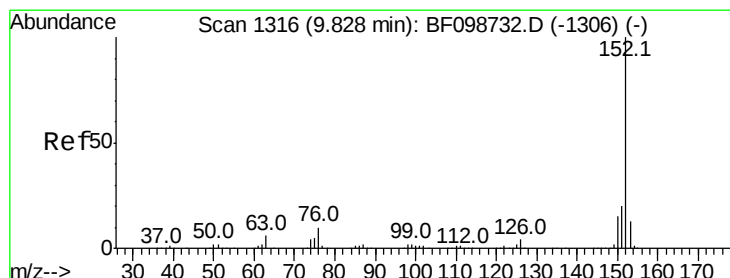
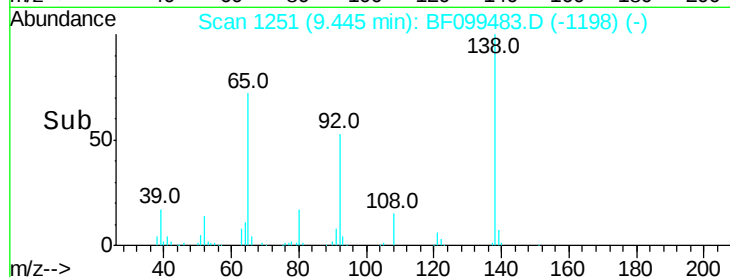
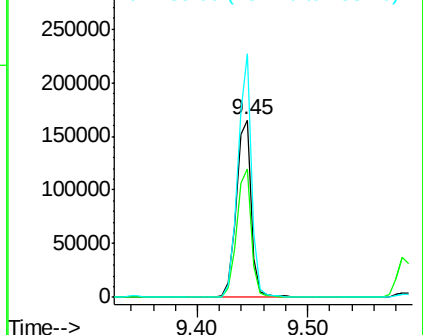
65 100

92 72.4 55.8 83.6

138 137.4 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: 45.097 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

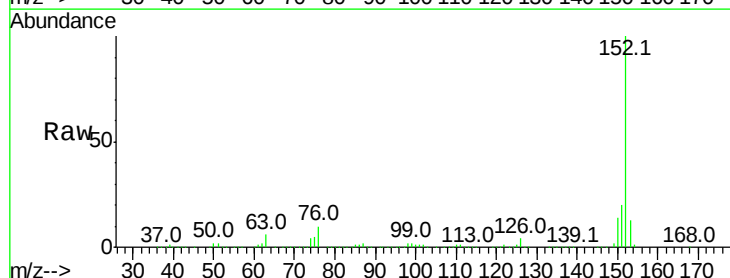
Tgt Ion: 152 Resp: 814773

Ion Ratio Lower Upper

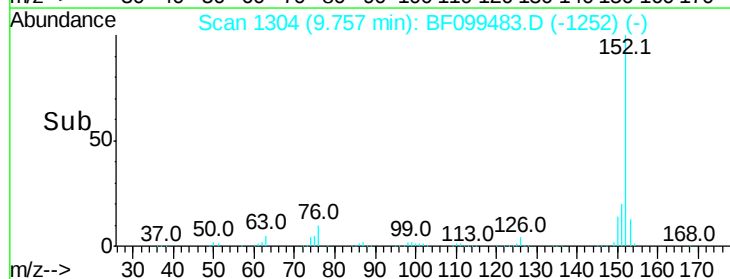
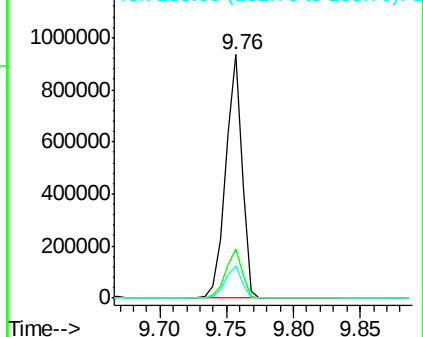
152 100

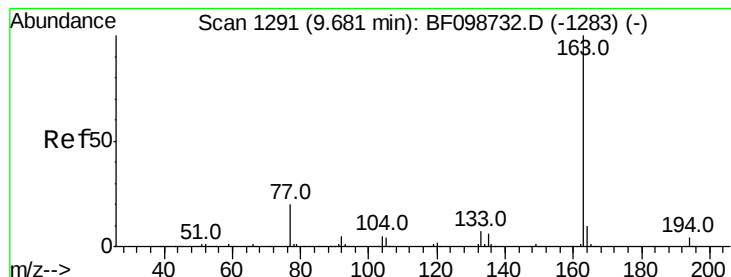
151 20.4 16.3 24.5

153 13.2 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: 49.577 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

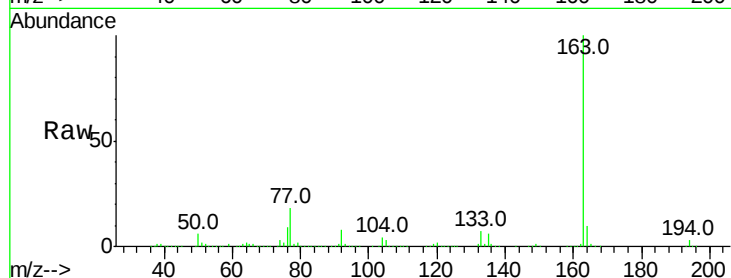
Tot Ion:163 Resp: 684365

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

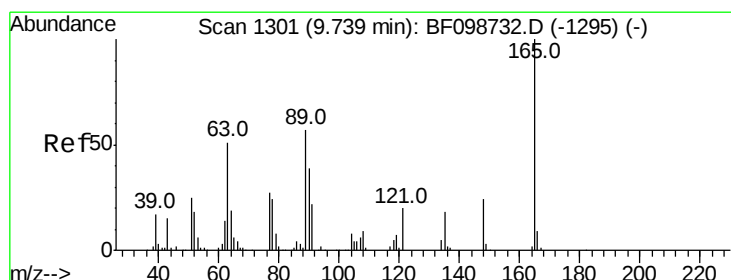
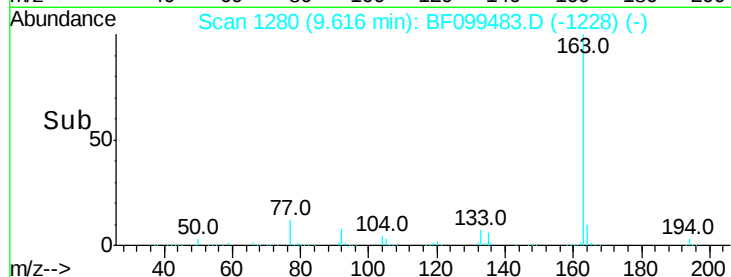
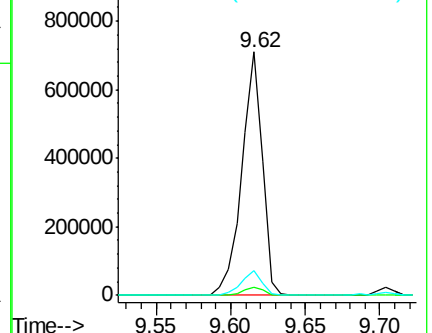
164 10.0 8.2 12.2



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: 48.755 ng

RT: 9.69 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

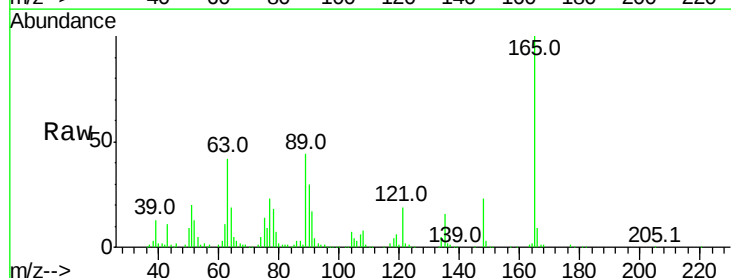
Tgt Ion:165 Resp: 146520

Ion Ratio Lower Upper

165 100

63 41.6 44.7 67.1#

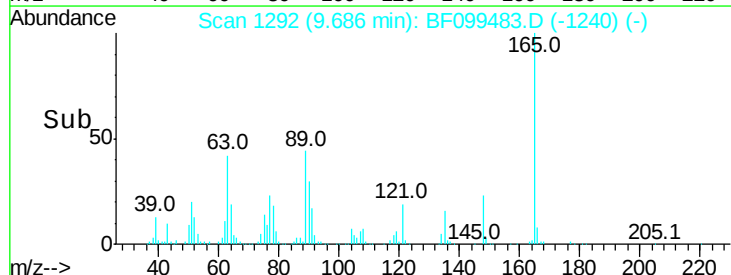
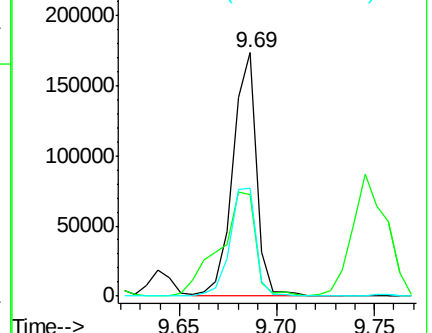
89 44.5 44.0 66.0



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: 42.301 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

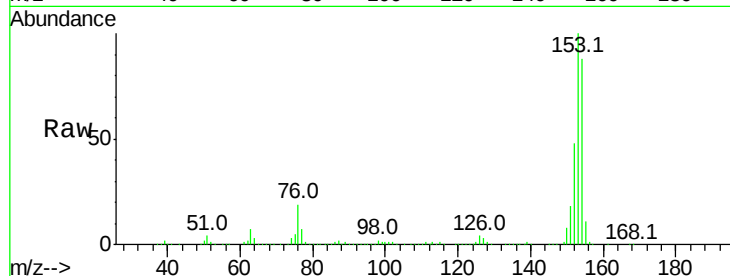
Tot Ion:154 Resp: 484116

Ion Ratio Lower Upper

154 100

153 114.0 91.2 136.8

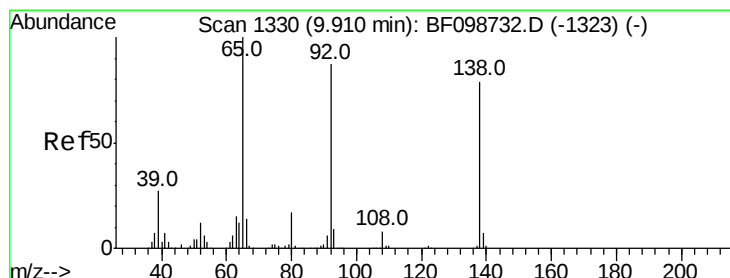
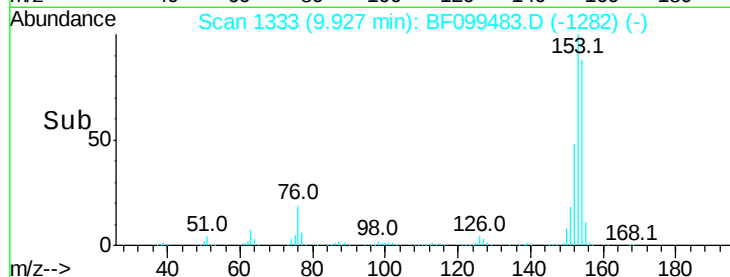
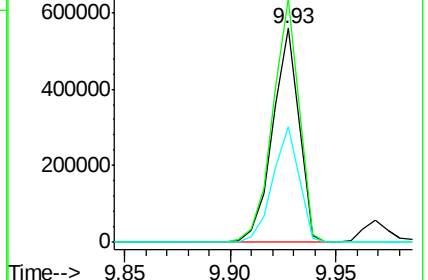
152 54.2 43.8 65.8



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: 22.205 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

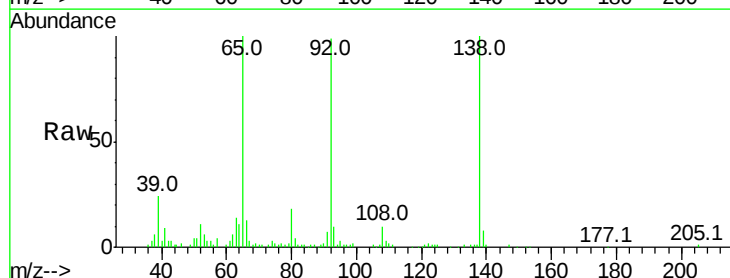
Tgt Ion:138 Resp: 77809

Ion Ratio Lower Upper

138 100

108 10.3 9.4 14.0

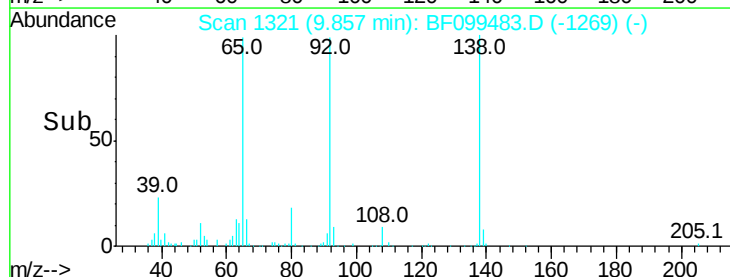
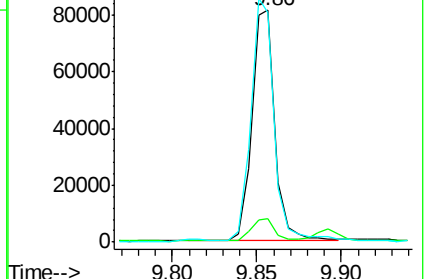
92 99.0 89.4 134.2



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

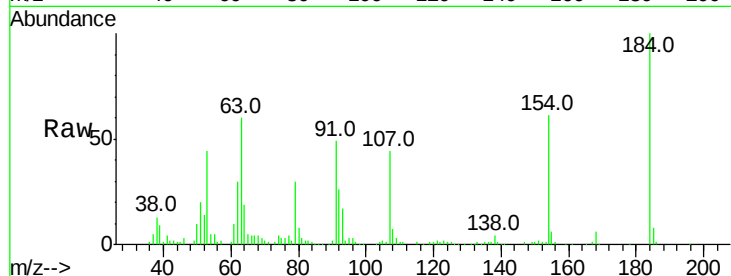




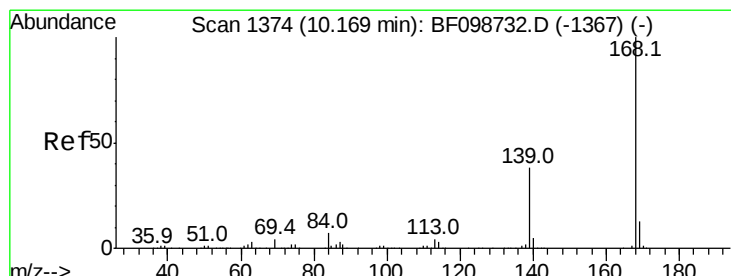
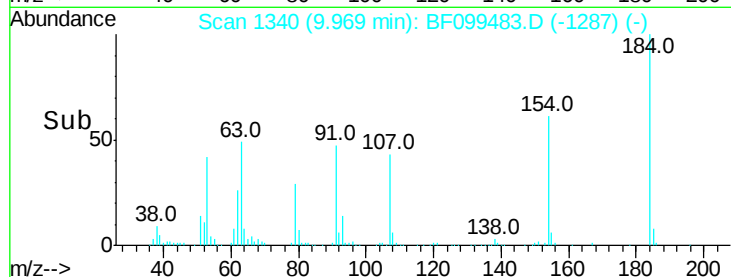
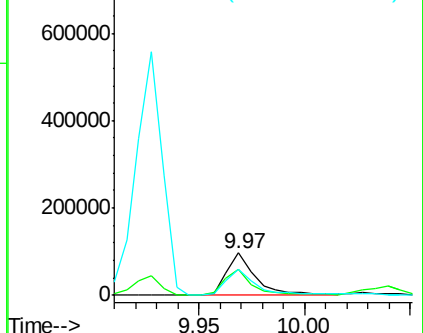
#53  
2,4-Dinitrophenol  
Concen: 61.416 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. 0.01 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 93808  
Ion Ratio Lower Upper  
184 100  
63 60.4 54.2 81.2  
154 61.2 53.5 80.3

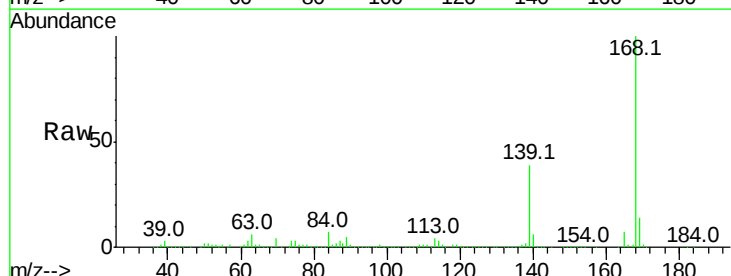


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

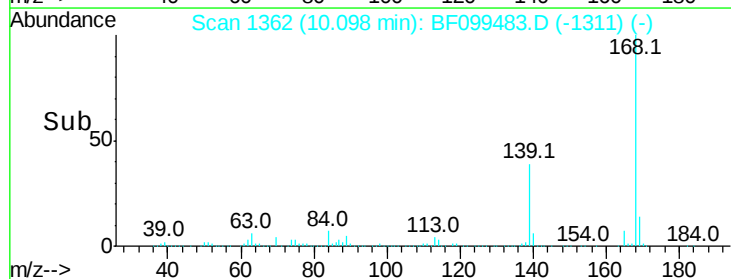
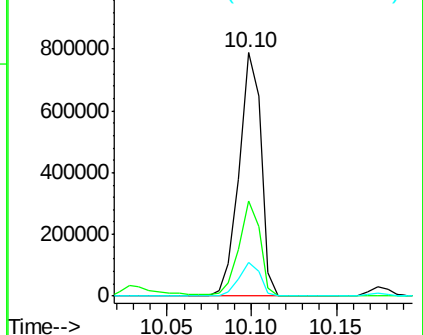


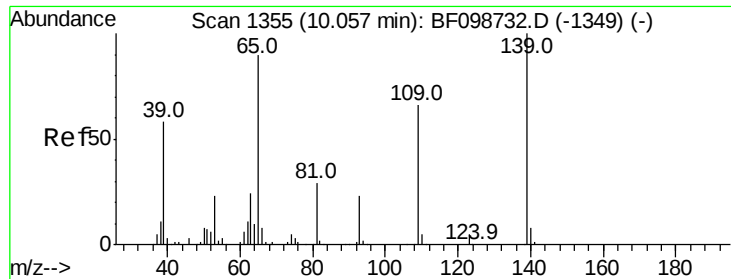
#54  
Dibenzofuran  
Concen: 46.922 ng  
RT: 10.10 min Scan# 1362  
Delta R.T. -0.00 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Tgt Ion:168 Resp: 714998  
Ion Ratio Lower Upper  
168 100  
139 38.8 30.1 45.1  
169 14.0 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: 16.192 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.02 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampled :

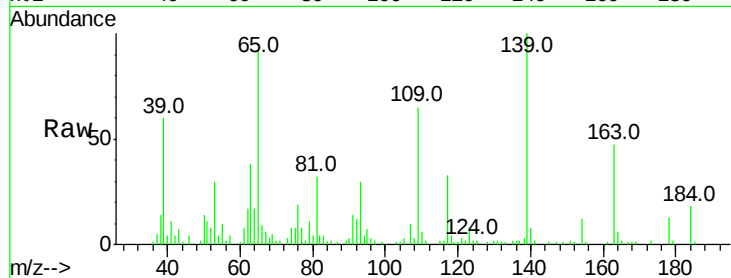
Tot Ion:139 Resp: 47975

Ion Ratio Lower Upper

139 100

109 65.1 48.4 88.4

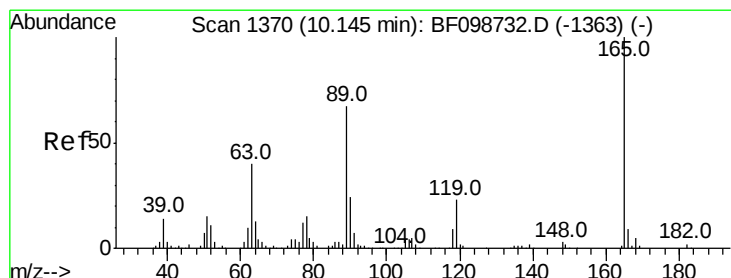
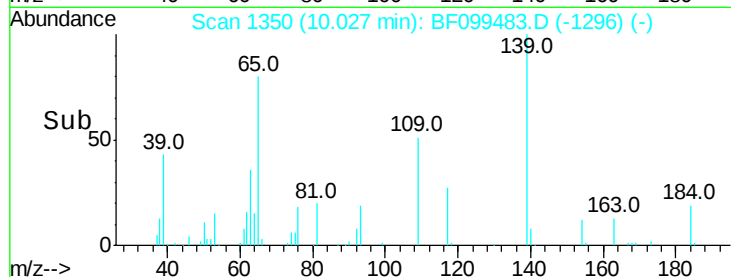
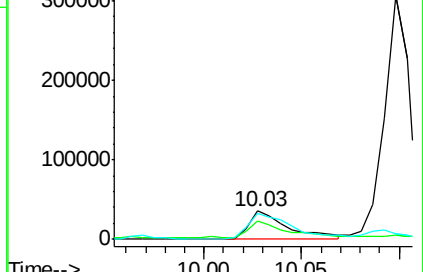
65 91.9 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 45.646 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Tgt Ion:165 Resp: 178031

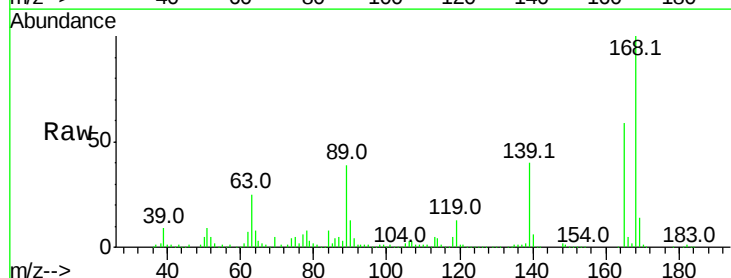
Ion Ratio Lower Upper

165 100

63 42.4 36.4 54.6

89 65.0 57.8 86.6

182 2.5 1.6 2.4#

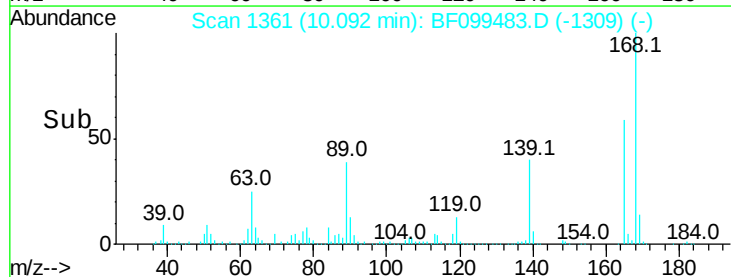
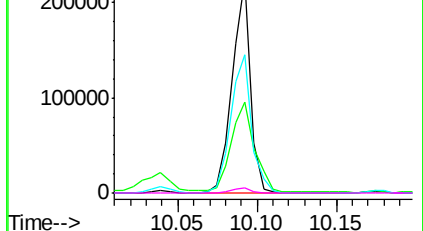


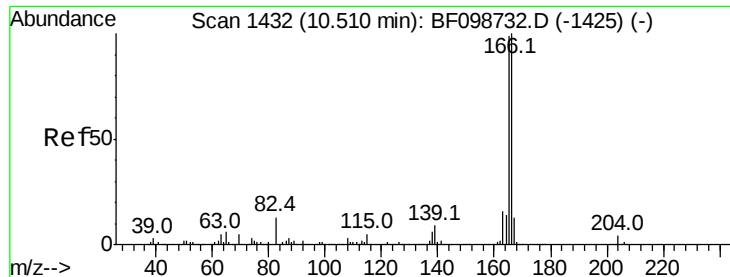
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 46.431 ng

RT: 10.45 min Scan# 1421

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

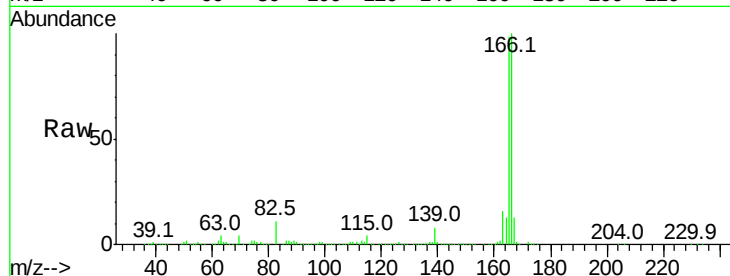
Tot Ion:166 Resp: 568669

Ion Ratio Lower Upper

166 100

165 98.1 79.8 119.8

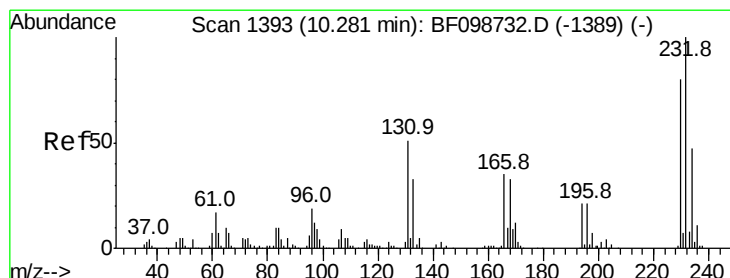
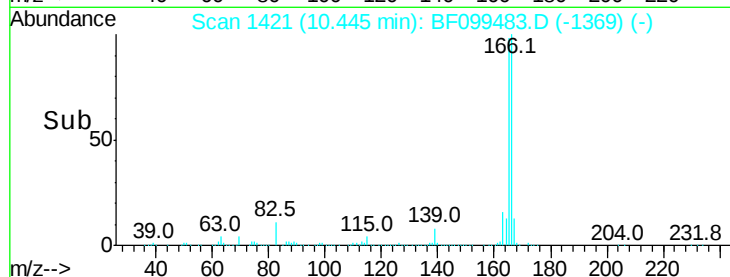
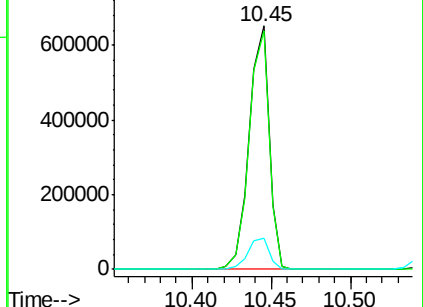
167 12.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.939 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Tgt Ion:232 Resp: 117081

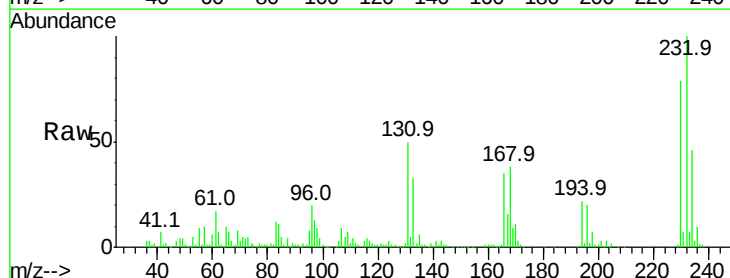
Ion Ratio Lower Upper

232 100

131 53.3 43.8 65.8

130 3.1 2.1 3.1

166 35.8 27.8 41.6

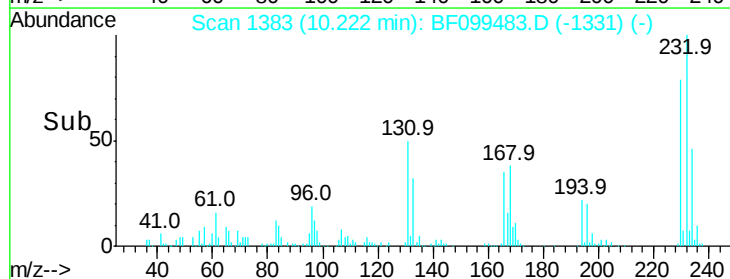
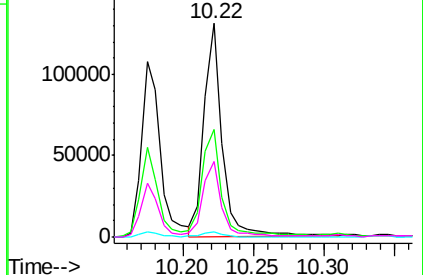


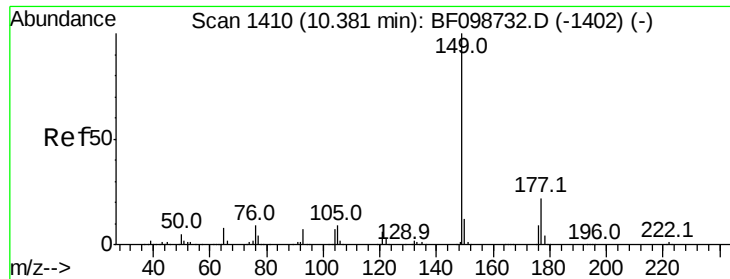
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

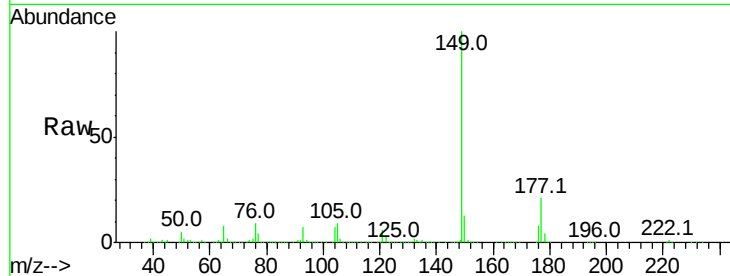




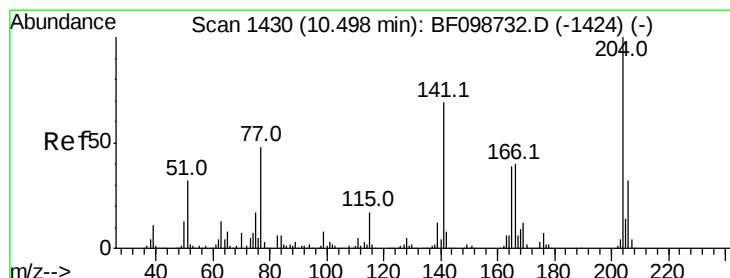
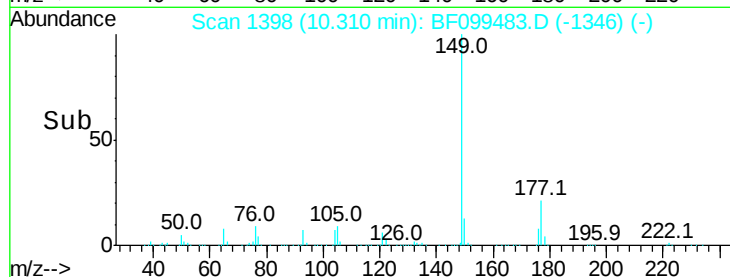
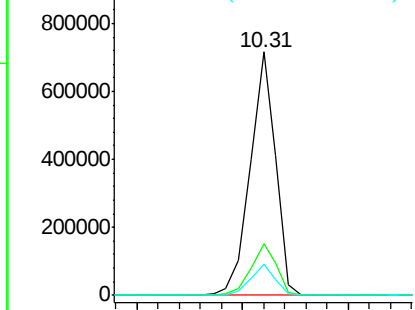
#59  
Diethylphthalate  
Concen: 44.178 ng  
RT: 10.31 min Scan# 1398  
Delta R.T. 0.01 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:149 Resp: 595894  
Ion Ratio Lower Upper  
149 100  
177 21.1 16.1 24.1  
150 12.6 10.1 15.1

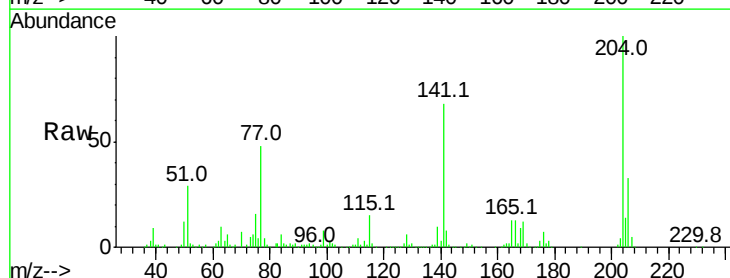


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

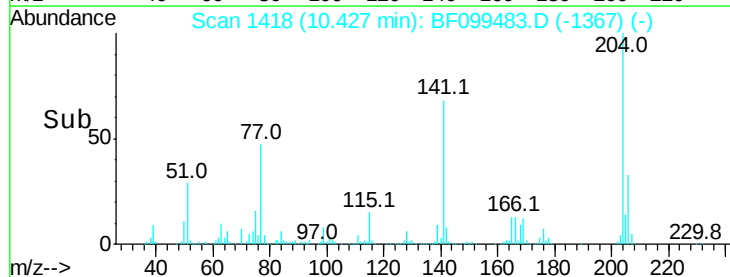
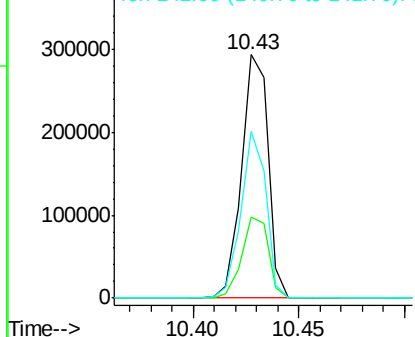


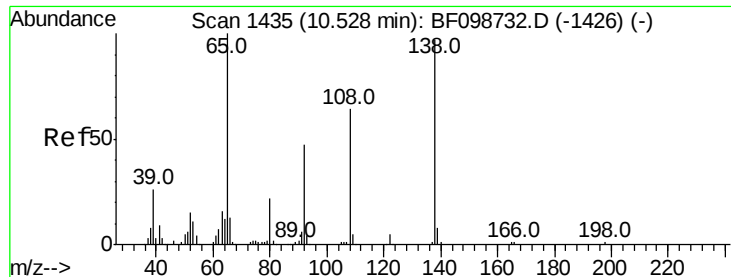
#60  
4-Chlorophenyl-phenylether  
Concen: 46.378 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. -0.00 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Tgt Ion:204 Resp: 255157  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.5 39.7  
141 68.4 54.6 81.8



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





#61

4-Nitroaniline

Concen: 40.382 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

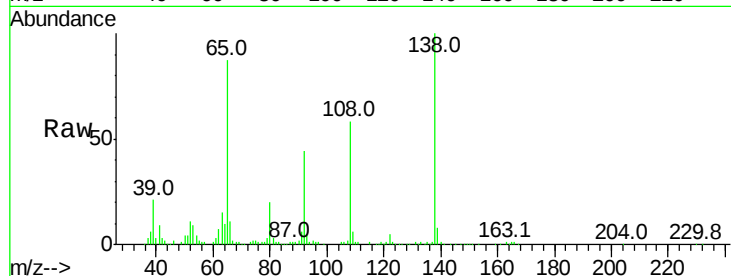
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:138 Resp: 136516

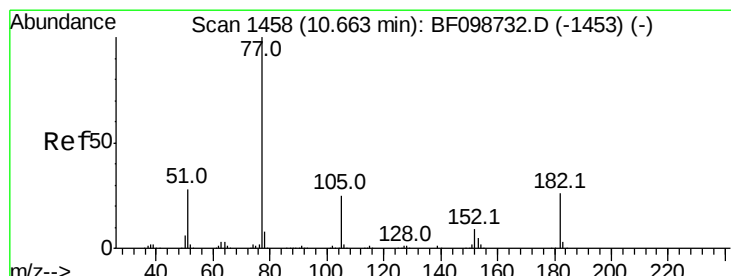
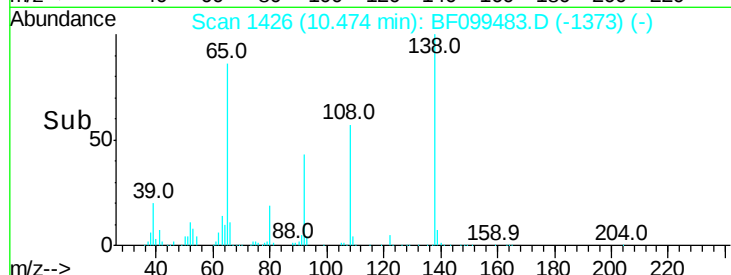
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 92  | 43.5  | 30.2  | 70.2  |
| 108 | 58.0  | 52.5  | 92.5  |



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 45.057 ng

RT: 10.59 min Scan# 1446

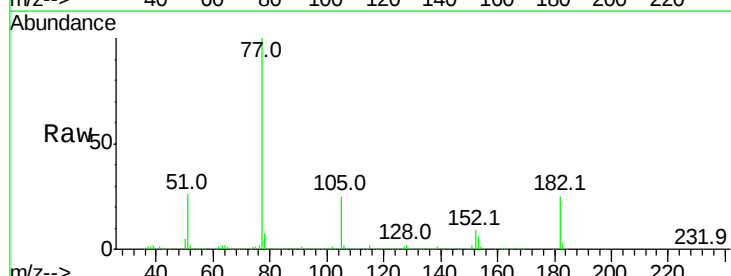
Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Tgt Ion: 77 Resp: 558819

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 25.2  | 1.7   | 41.7  |
| 105 | 25.0  | 3.0   | 43.0  |
| 51  | 26.3  | 9.9   | 49.9  |

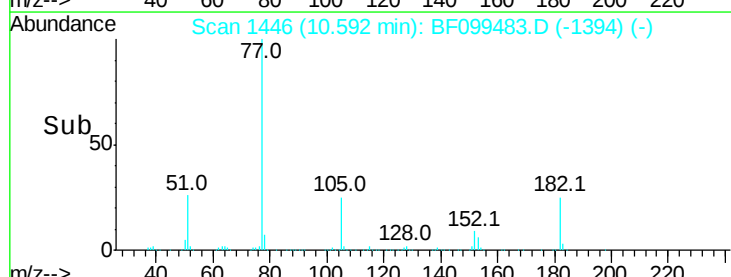


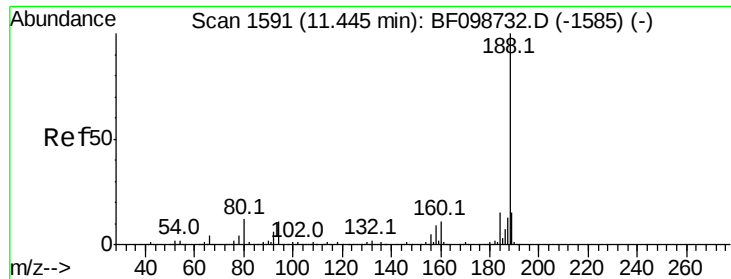
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

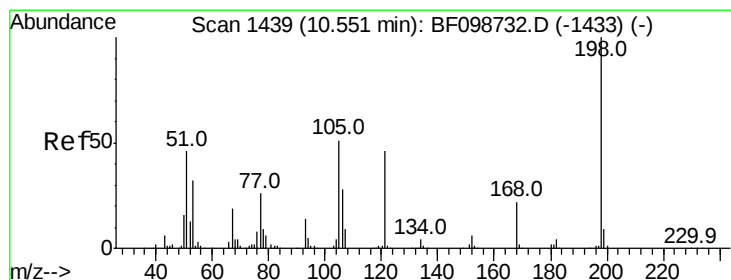
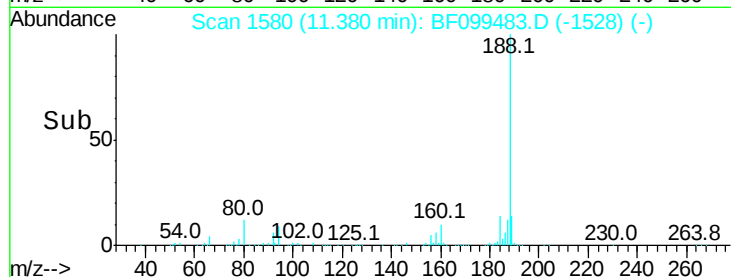
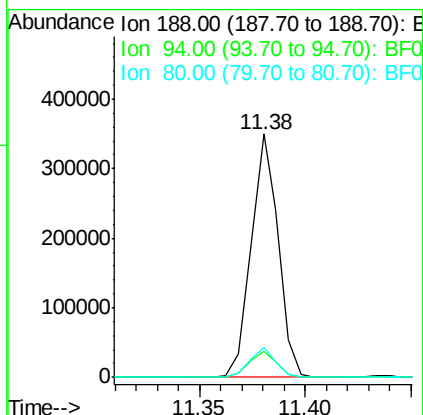
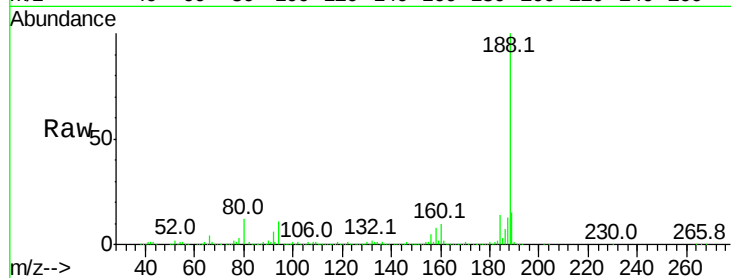




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. 0.01 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

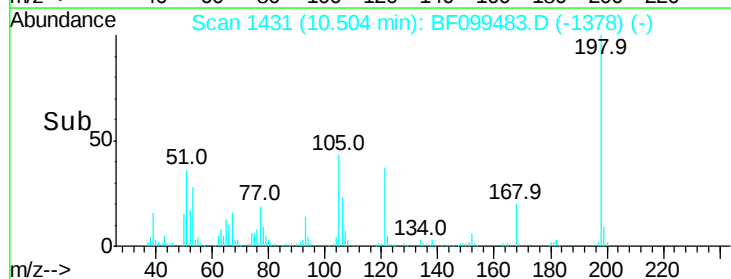
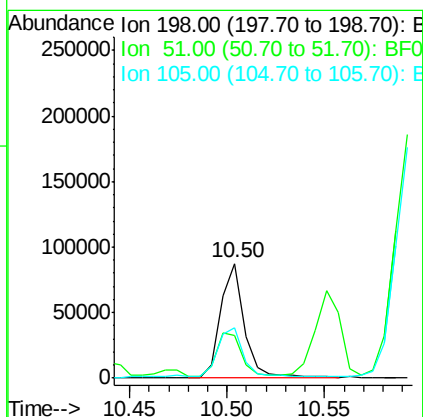
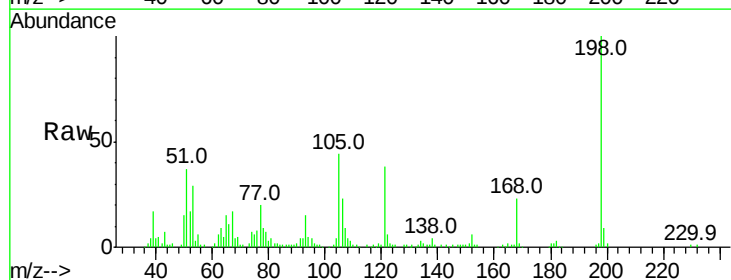
Instrument :  
BNA\_F  
ClientSampleId :

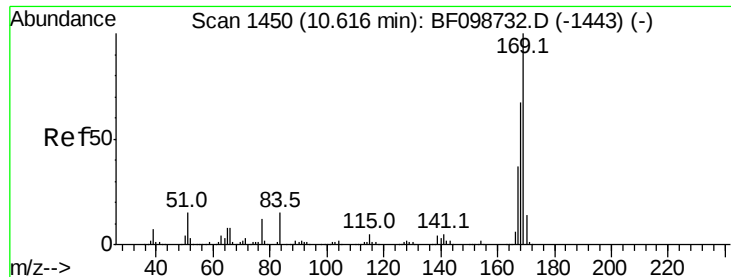
Tot Ion:188 Resp: 311830  
Ion Ratio Lower Upper  
188 100  
94 10.6 8.5 12.7  
80 12.0 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 39.354 ng  
RT: 10.50 min Scan# 1431  
Delta R.T. 0.01 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Tgt Ion:198 Resp: 74665  
Ion Ratio Lower Upper  
198 100  
51 37.1 37.7 77.7#  
105 43.9 36.3 76.3

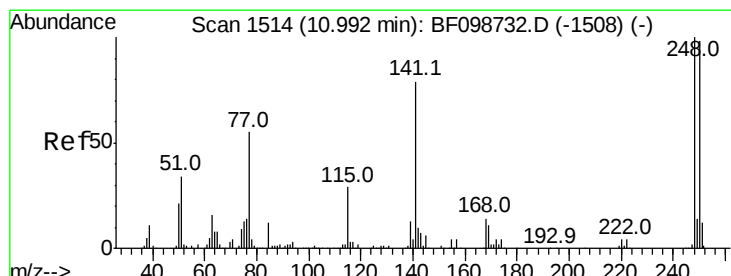
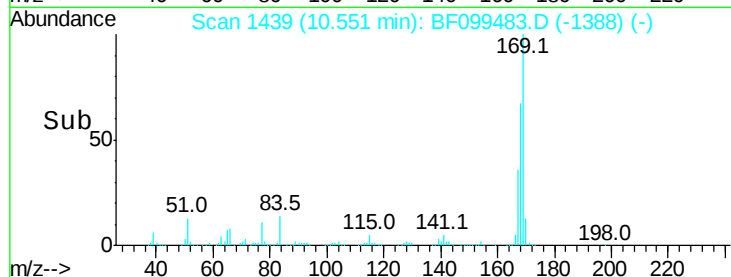
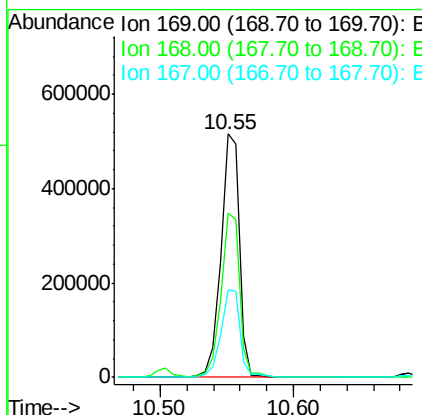
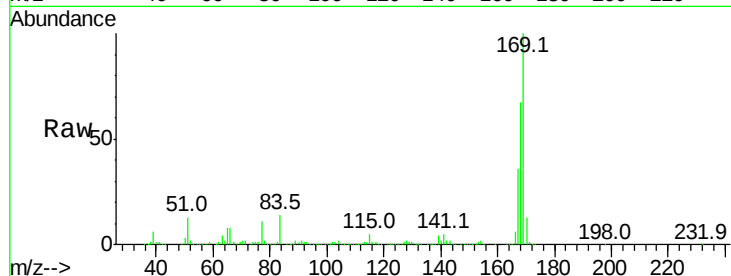




#65  
n-Nitrosodiphenylamine  
Concen: 46.621 ng  
RT: 10.55 min Scan# 1439  
Delta R.T. -0.00 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

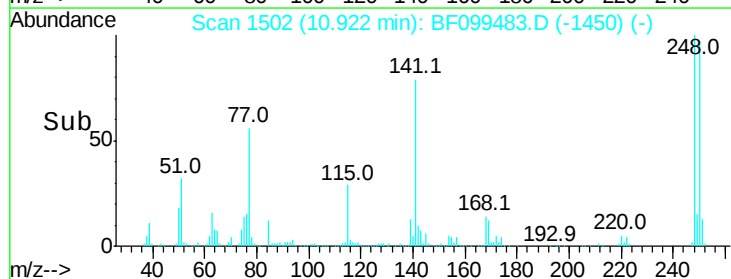
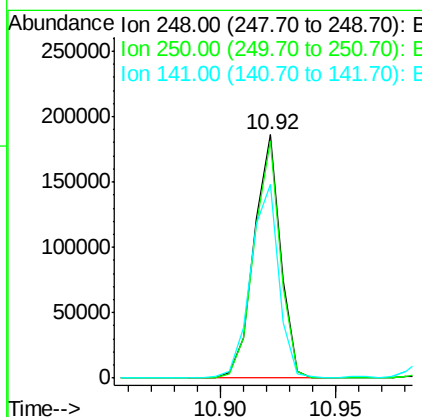
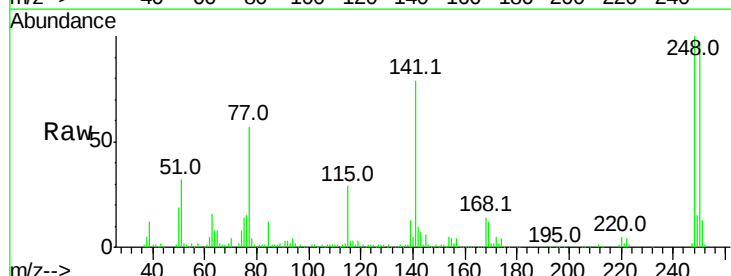
Instrument :  
BNA\_F  
ClientSampleId :

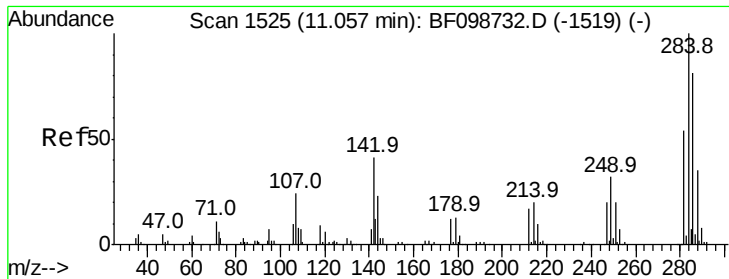
Tot Ion:169 Resp: 503631  
Ion Ratio Lower Upper  
169 100  
168 67.4 54.4 81.6  
167 35.9 29.8 44.6



#66  
4-Bromophenyl-phenylether  
Concen: 48.982 ng  
RT: 10.92 min Scan# 1502  
Delta R.T. 0.01 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Tgt Ion:248 Resp: 149509  
Ion Ratio Lower Upper  
248 100  
250 97.3 76.9 115.3  
141 79.4 74.4 111.6

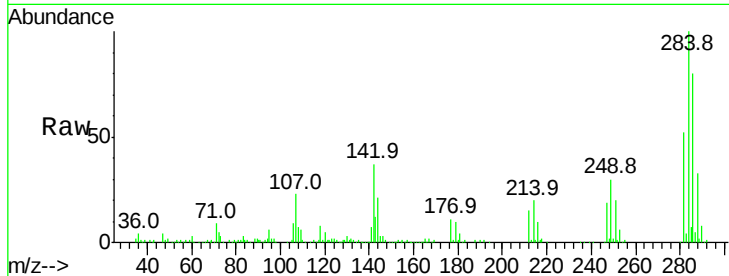




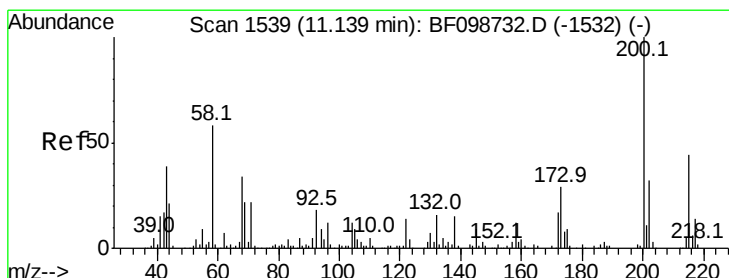
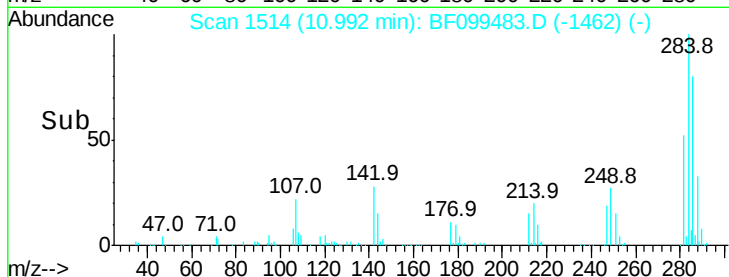
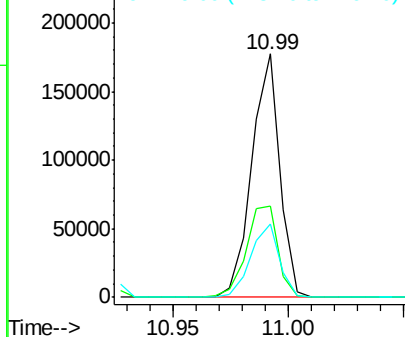
#67  
Hexachlorobenzene  
Concen: 46.228 ng  
RT: 10.99 min Scan# 1514  
Delta R.T. 0.01 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:284 Resp: 150702  
Ion Ratio Lower Upper  
284 100  
142 37.4 34.6 52.0  
249 30.0 24.8 37.2

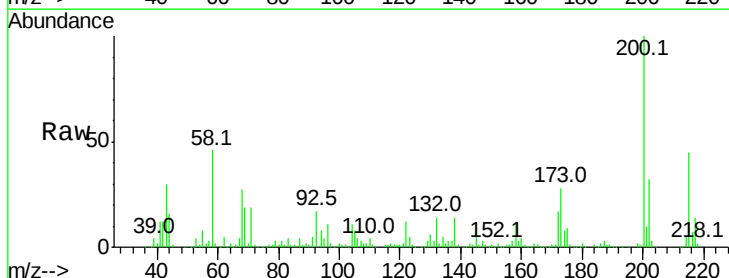


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

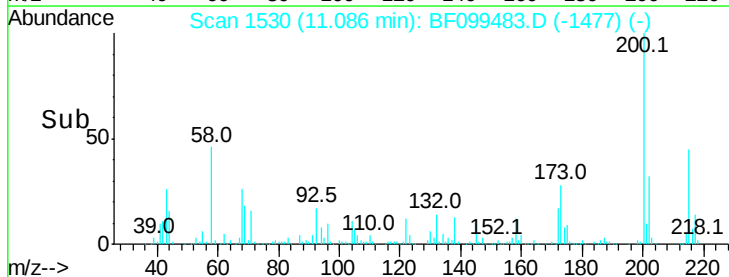
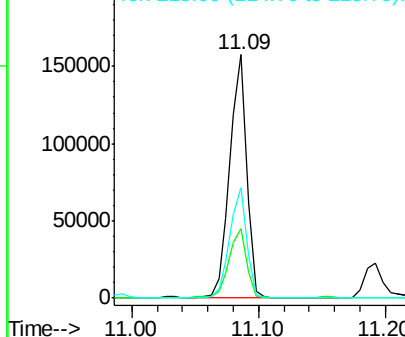


#68  
Atrazine  
Concen: 45.081 ng  
RT: 11.09 min Scan# 1530  
Delta R.T. 0.01 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Tgt Ion:200 Resp: 146522  
Ion Ratio Lower Upper  
200 100  
173 28.3 8.6 48.6  
215 45.3 25.1 65.1



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

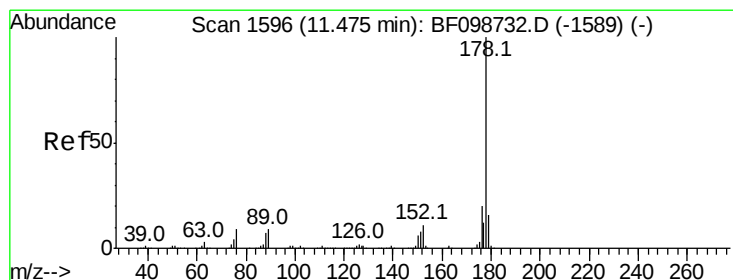
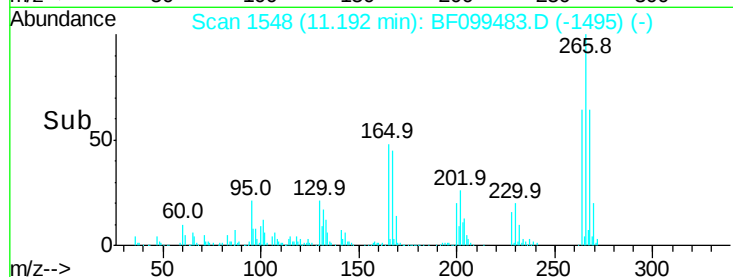
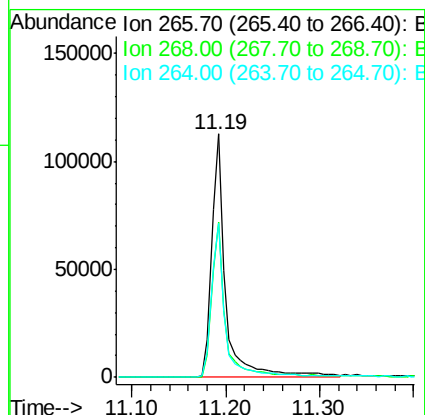
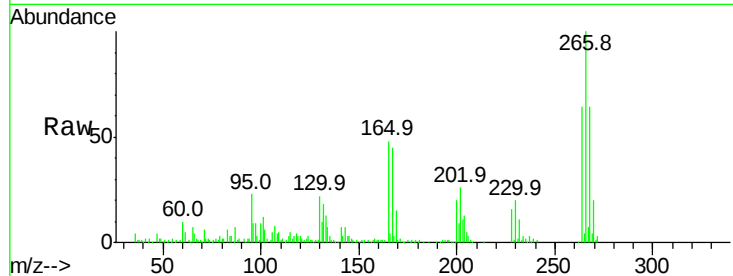




#69  
 Pentachlorophenol  
 Concen: 58.800 ng  
 RT: 11.19 min Scan# 1548  
 Delta R.T. 0.01 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

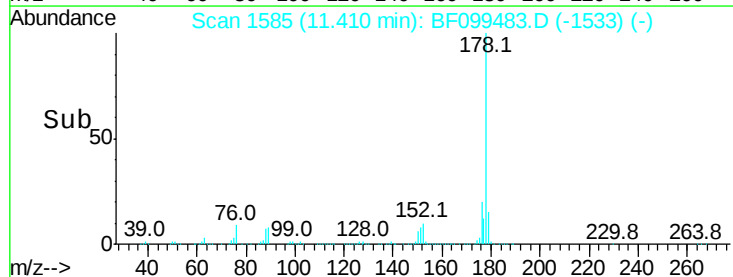
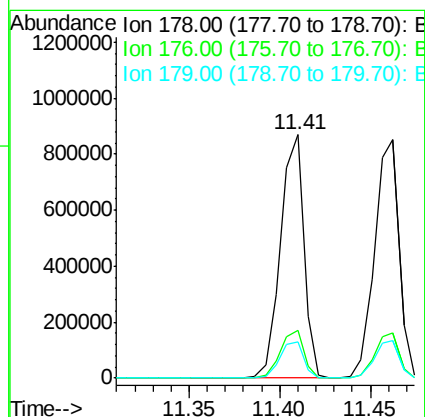
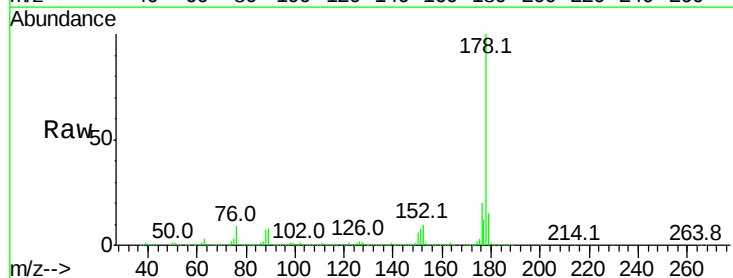
Instrument :  
 BNA\_F  
 ClientSampleId :

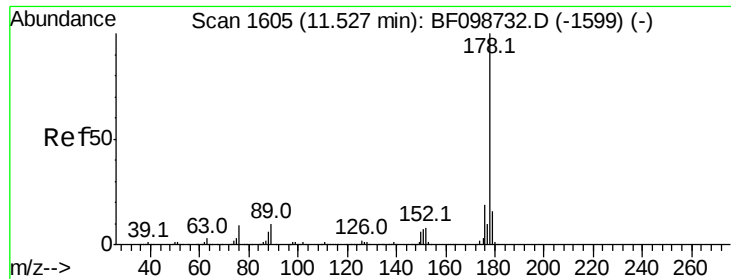
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.8  | 51.1  | 76.7  |
| 264     | 63.5  | 49.5  | 74.3  |



#70  
 Phenanthrene  
 Concen: 46.820 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. 0.01 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.8  | 23.8  |
| 179     | 15.1  | 13.0  | 19.6  |

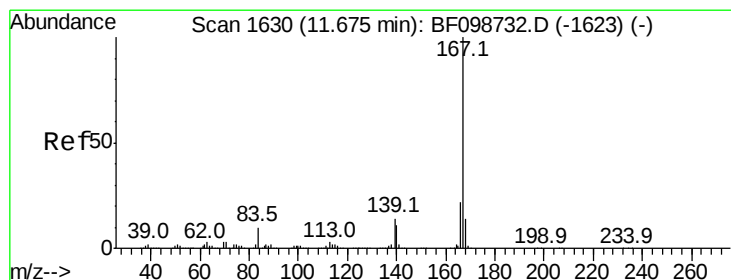
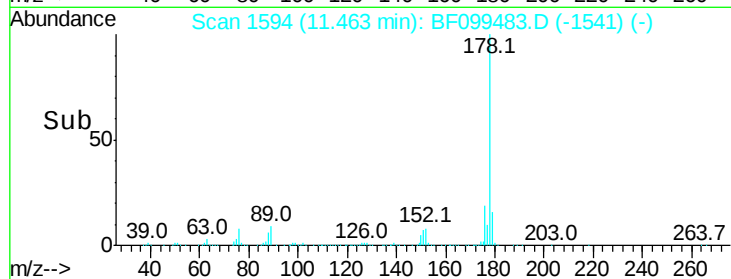
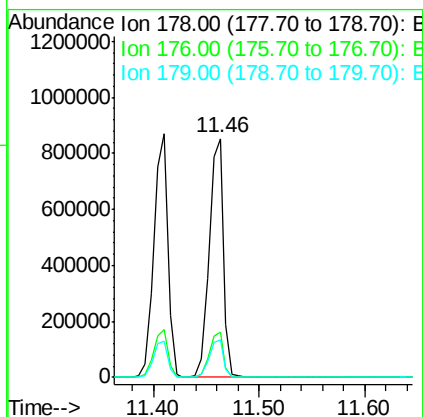
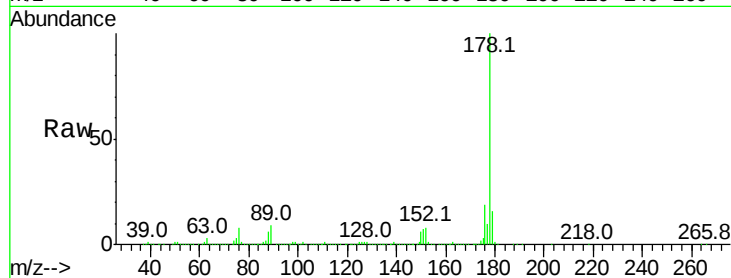




#71  
 Anthracene  
 Concen: 47.191 ng  
 RT: 11.46 min Scan# 1594  
 Delta R.T. 0.01 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

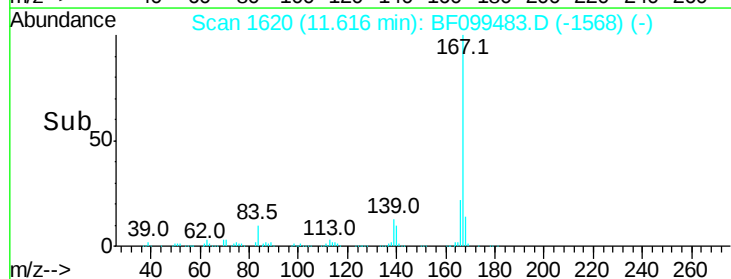
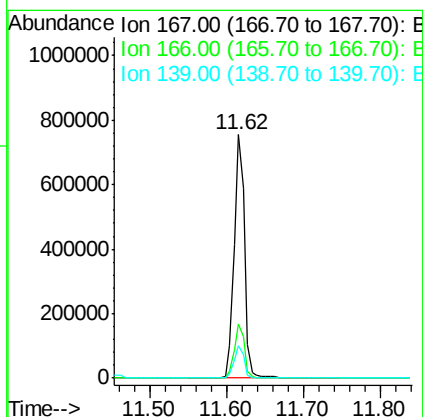
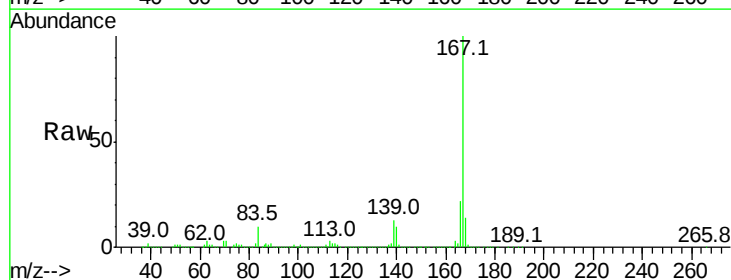
Instrument :  
 BNA\_F  
 ClientSampleId :

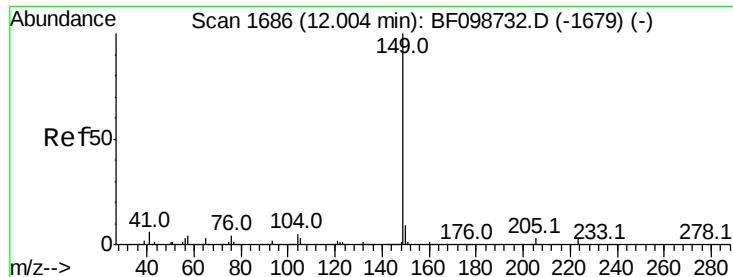
Tot Ion:178 Resp: 805945  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.4 23.2  
 179 15.7 12.6 19.0



#72  
 Carbazole  
 Concen: 42.631 ng  
 RT: 11.62 min Scan# 1620  
 Delta R.T. 0.01 min  
 Lab File: BF099483.D  
 Acq: 14 Oct 2017 18:12

Tgt Ion:167 Resp: 712980  
 Ion Ratio Lower Upper  
 167 100  
 166 22.5 17.6 26.4  
 139 13.4 10.9 16.3

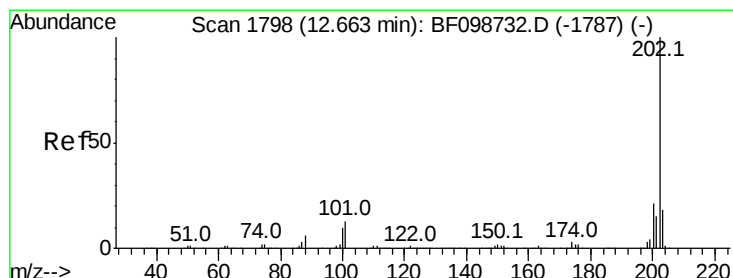
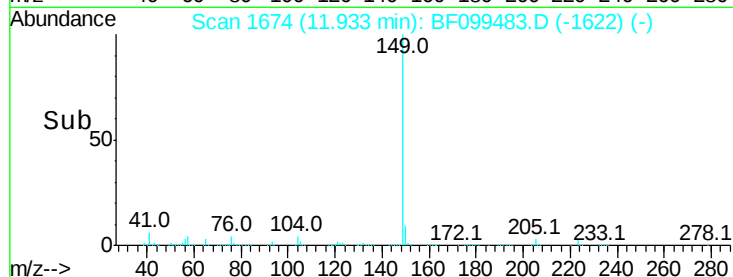
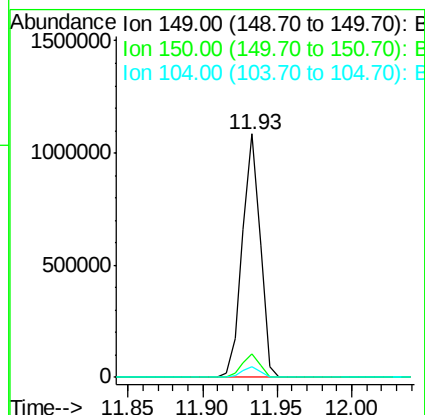
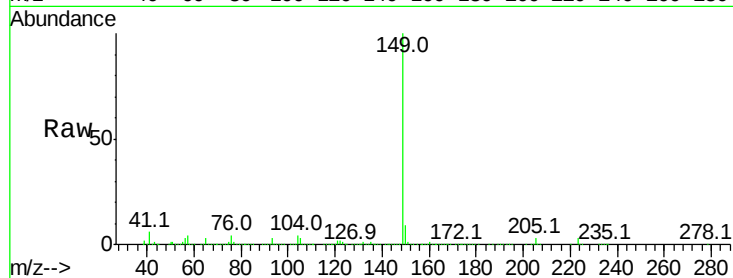




#73  
Di-n-butylphthalate  
Concen: 45.230 ng  
RT: 11.93 min Scan# 1674  
Delta R.T. 0.01 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

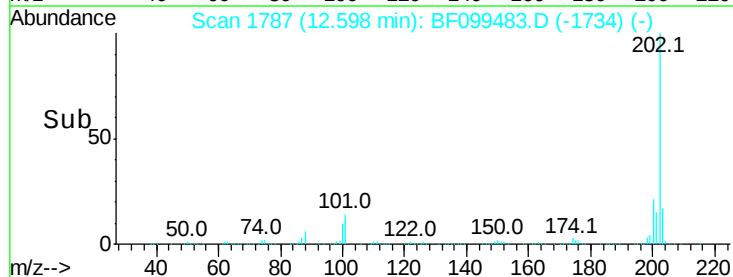
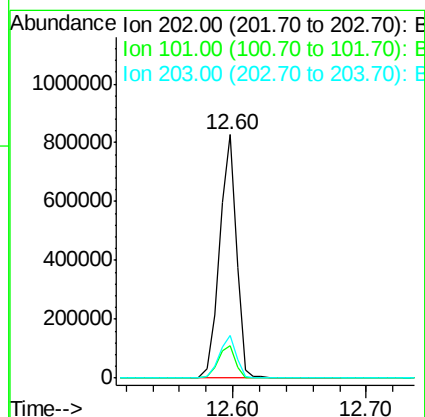
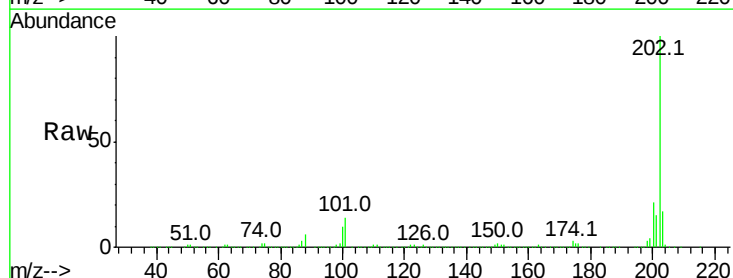
Instrument :  
BNA\_F  
ClientSampled :

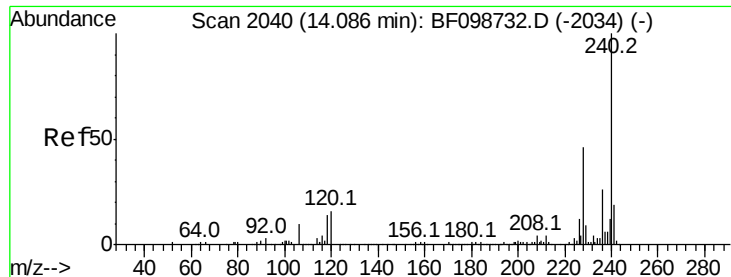
Tot Ion:149 Resp: 910518  
Ion Ratio Lower Upper  
149 100  
150 9.5 7.8 11.6  
104 4.3 3.8 5.8



#74  
Fluoranthene  
Concen: 43.688 ng  
RT: 12.60 min Scan# 1787  
Delta R.T. 0.01 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Tgt Ion:202 Resp: 738409  
Ion Ratio Lower Upper  
202 100  
101 13.6 0.0 34.1  
203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampled :

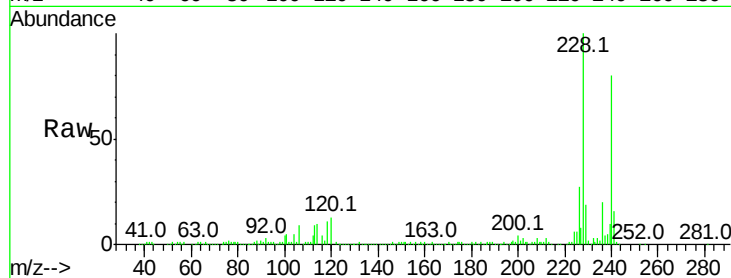
Tot Ion:240 Resp: 167597

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

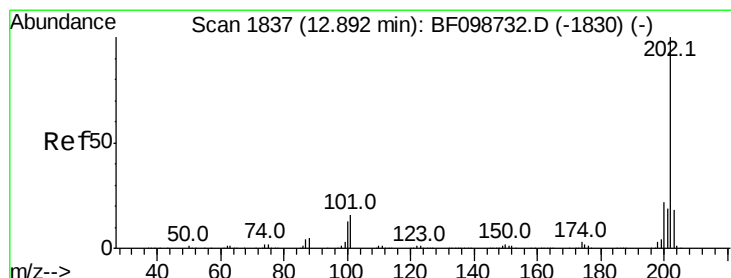
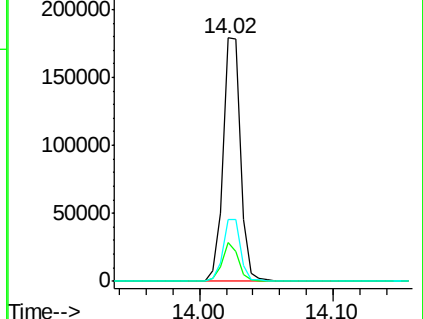
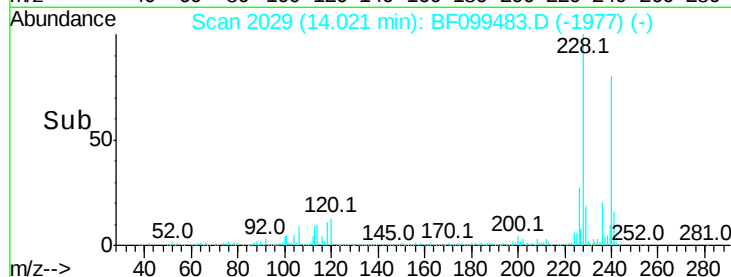
236 25.6 20.7 31.1



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

Pyrene

Concen: 57.652 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

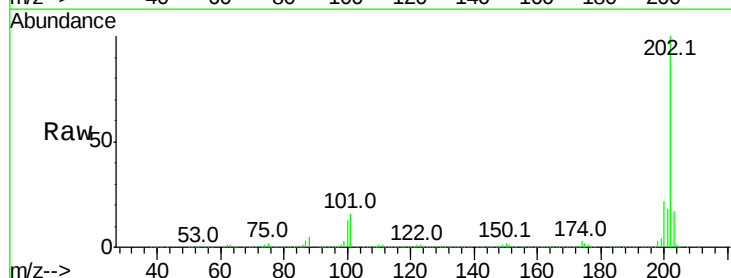
Tgt Ion:202 Resp: 736783

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

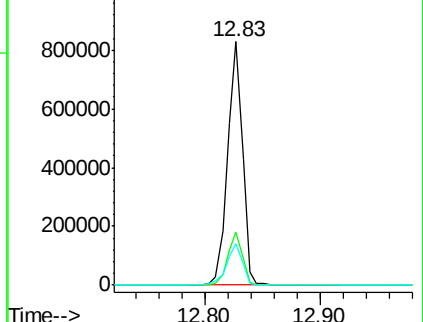
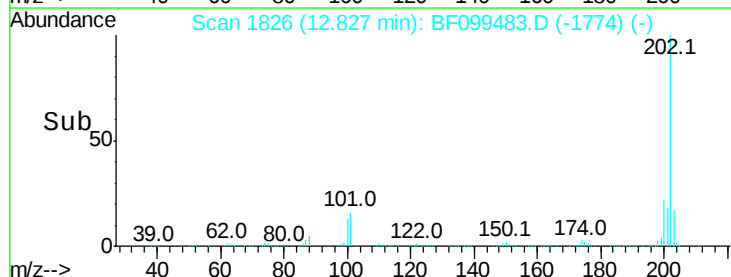
203 17.3 14.3 21.5

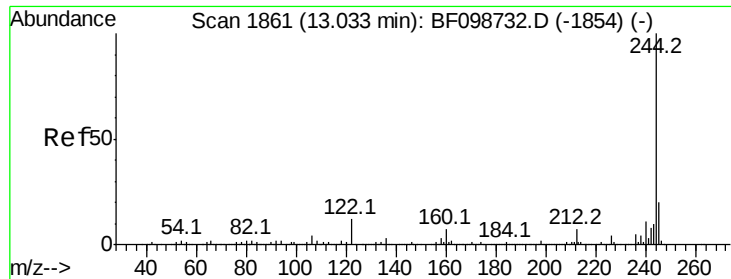


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 114.229 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampled :

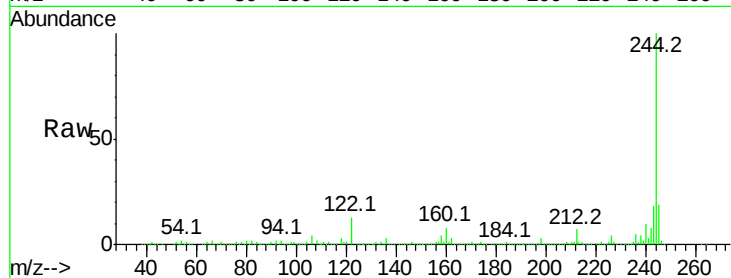
Tot Ion:244 Resp: 841809

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

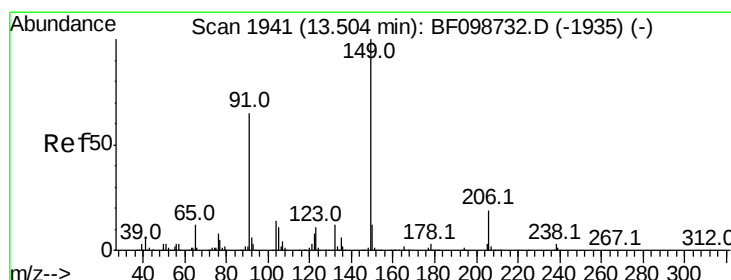
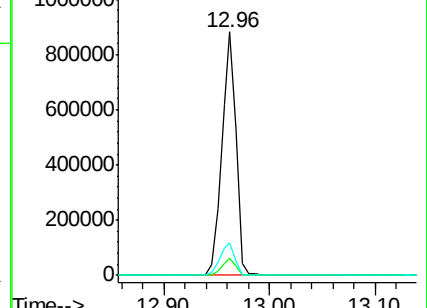
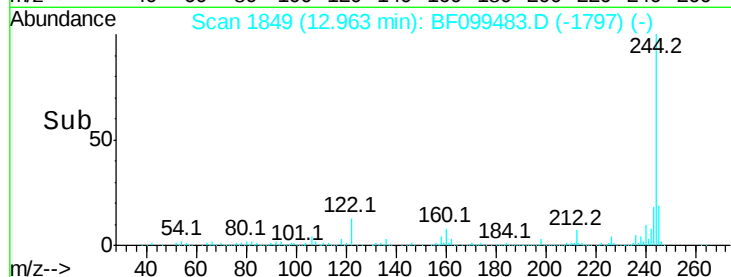
122 13.3 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 51.415 ng

RT: 13.43 min Scan# 1929

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

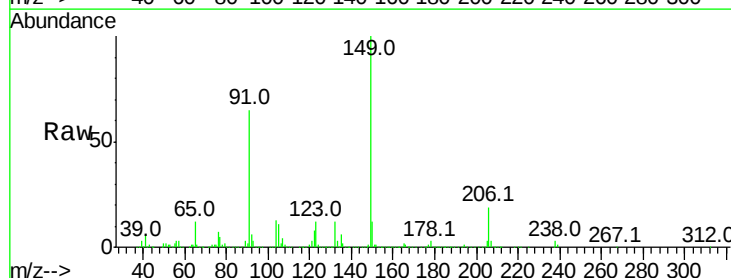
Tgt Ion:149 Resp: 308813

Ion Ratio Lower Upper

149 100

91 65.0 56.8 85.2

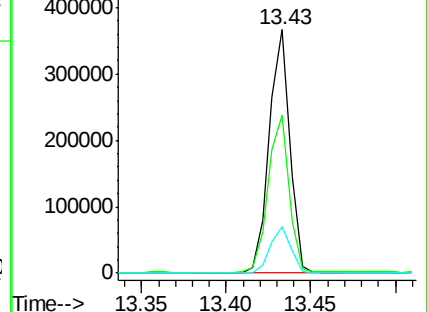
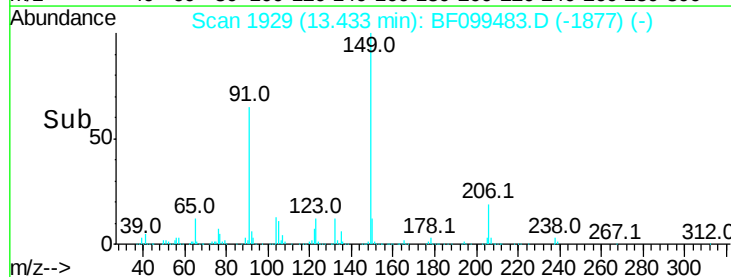
206 19.3 14.1 21.1

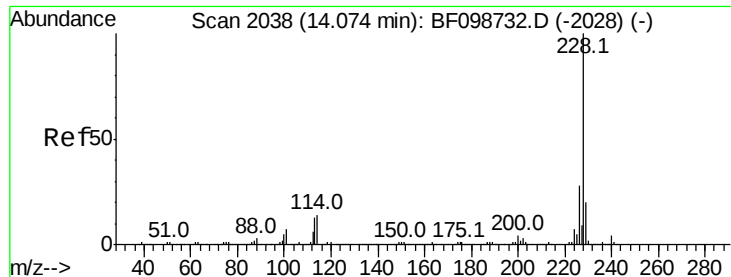


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 49.464 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

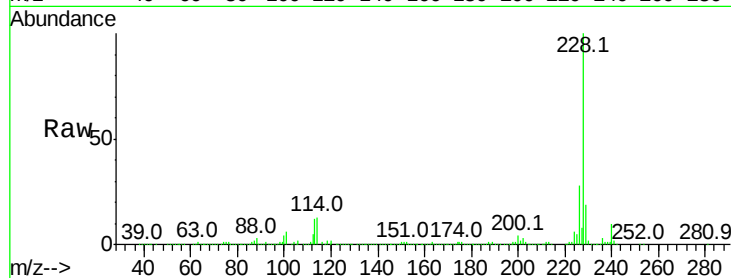
Tot Ion:228 Resp: 501980

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

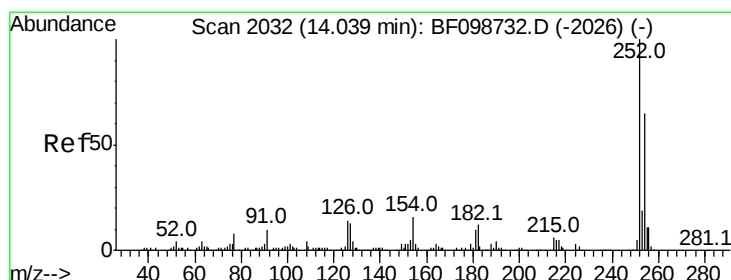
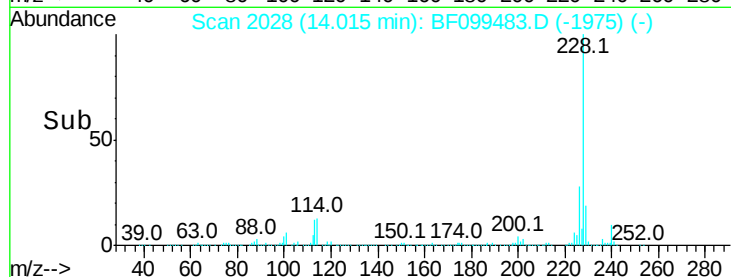
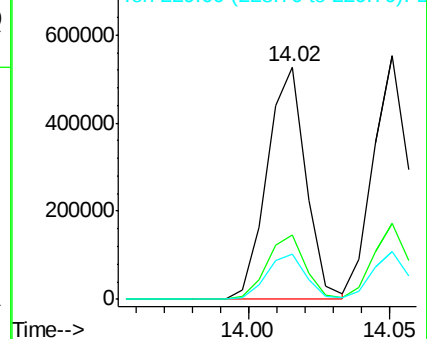
229 19.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 9.198 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

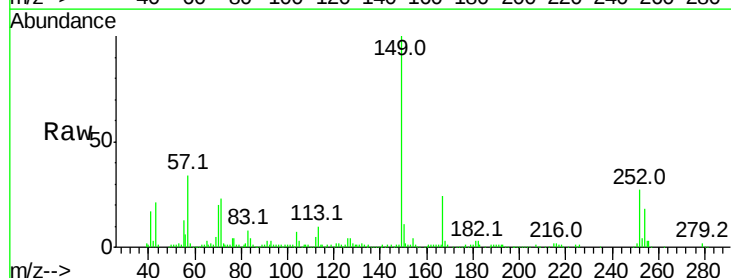
Tgt Ion:252 Resp: 34220

Ion Ratio Lower Upper

252 100

254 64.4 50.4 75.6

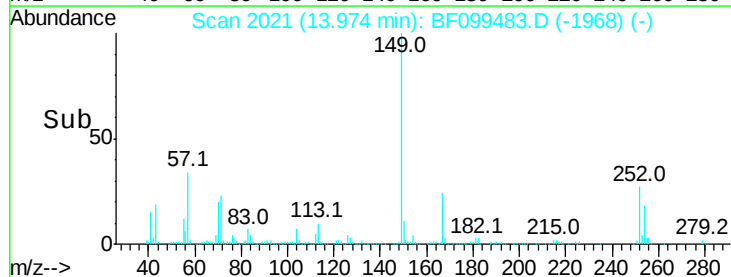
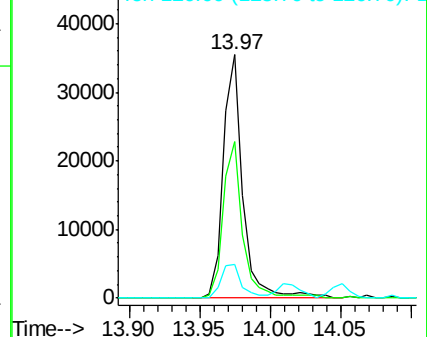
126 13.7 11.3 16.9

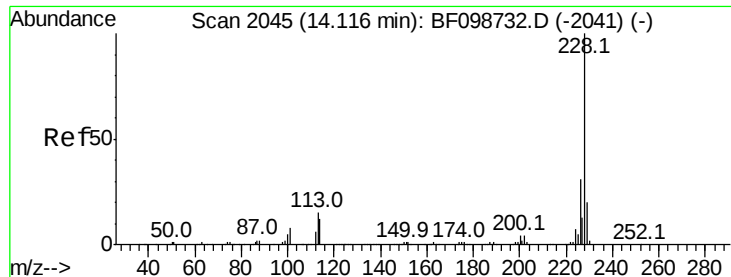


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 49.849 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

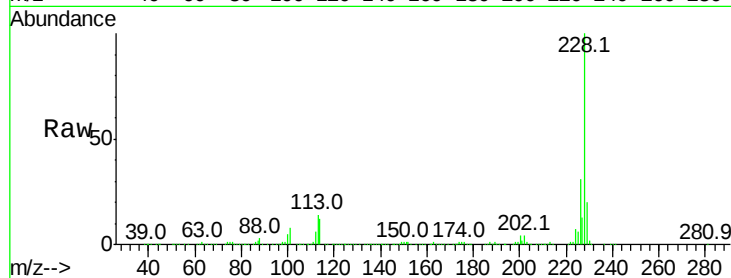
Tot Ion:228 Resp: 481632

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

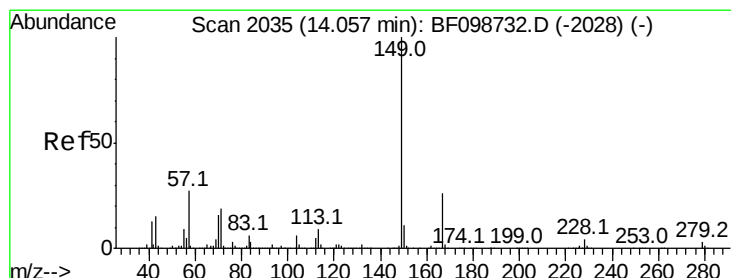
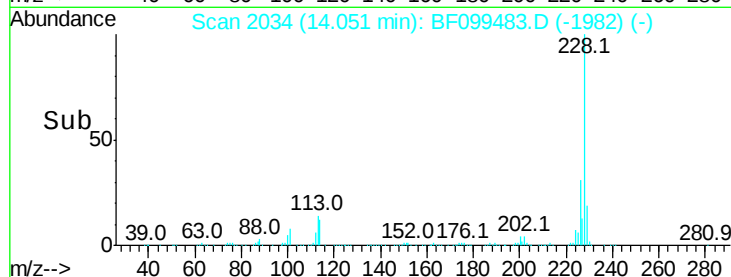
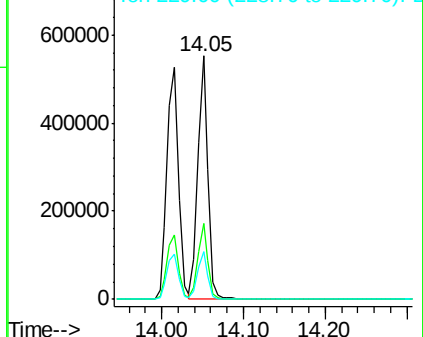
229 19.5 16.2 24.4



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: 48.517 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

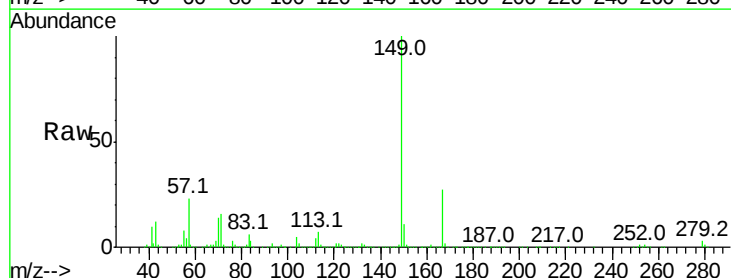
Tgt Ion:149 Resp: 401245

Ion Ratio Lower Upper

149 100

167 26.6 21.3 31.9

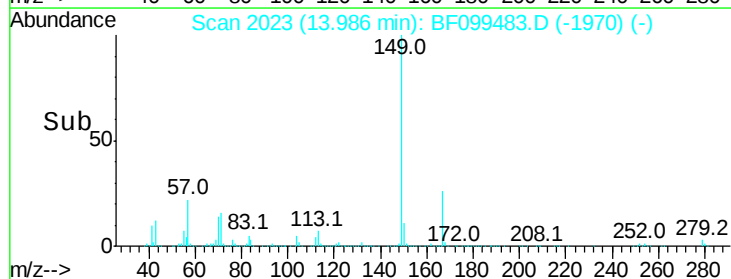
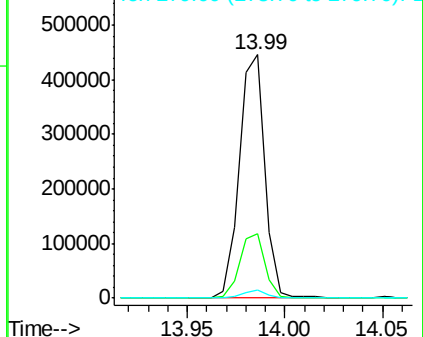
279 3.3 3.0 4.4

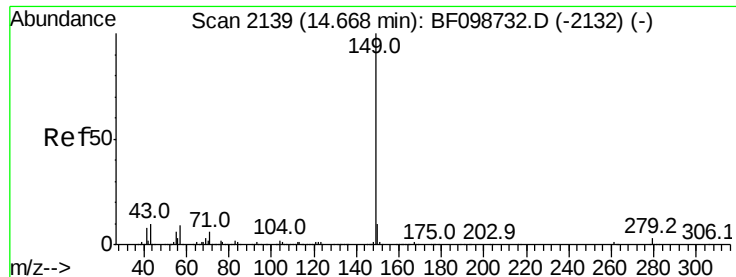


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 44.638 ng

RT: 14.59 min Scan# 2126

Delta R.T. 0.01 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :

BNA\_F

ClientSampleId :

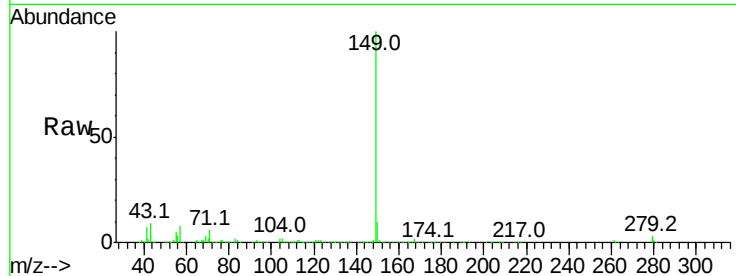
Tot Ion:149 Resp: 594436

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

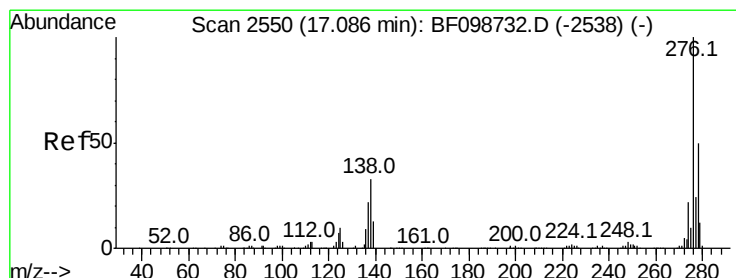
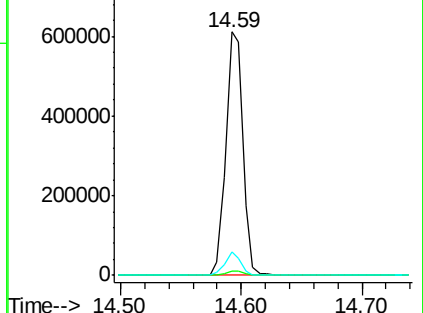
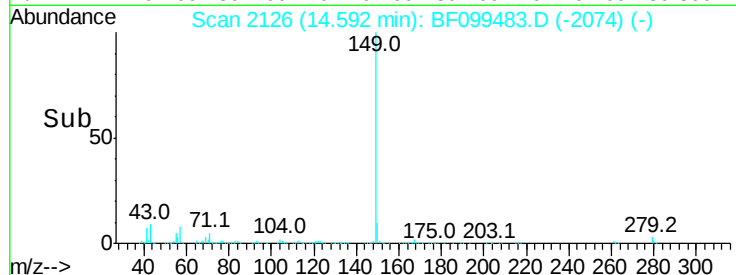
43 8.3 8.4 12.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 68.015 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.03 min

Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

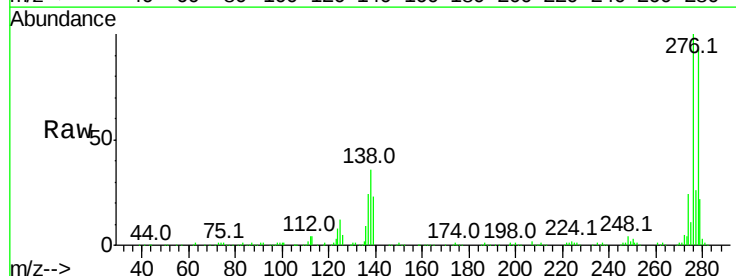
Tgt Ion:276 Resp: 525672

Ion Ratio Lower Upper

276 100

138 35.3 25.0 37.6

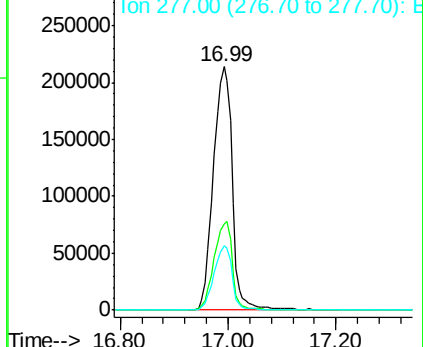
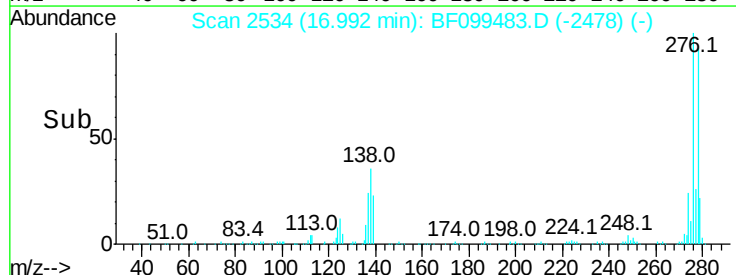
277 25.3 20.1 30.1

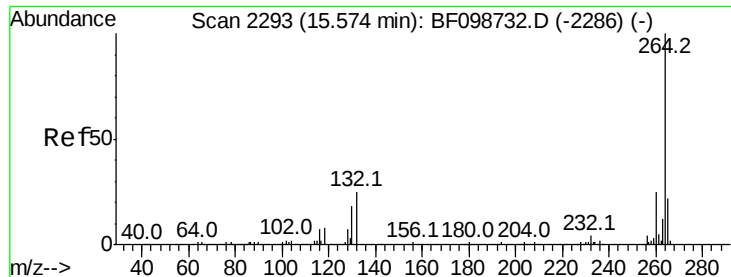


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



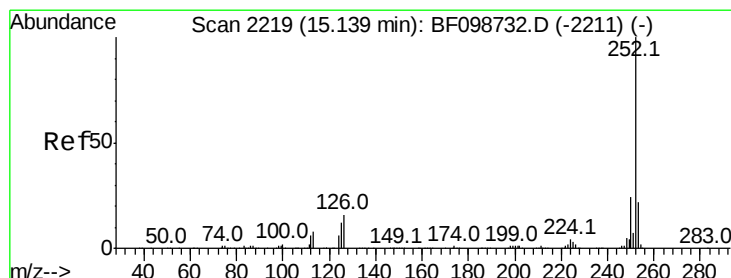
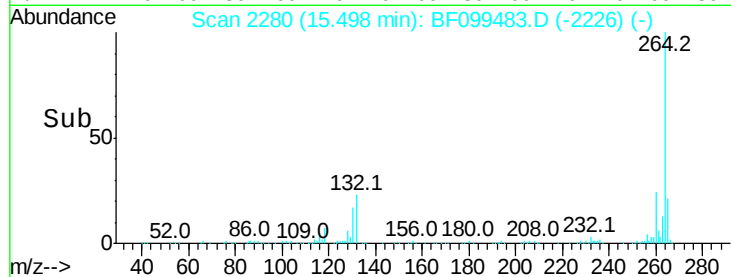
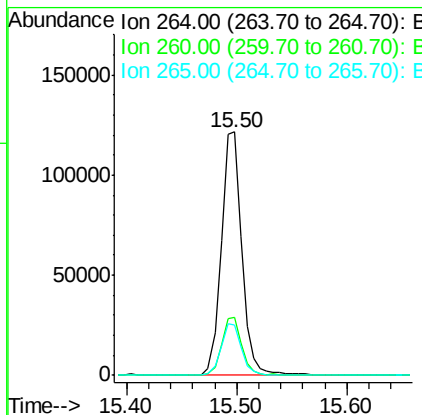
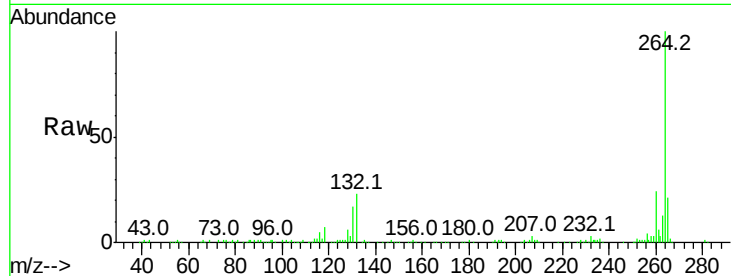


#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.50 min Scan# 2280  
Delta R.T. 0.02 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 158587  

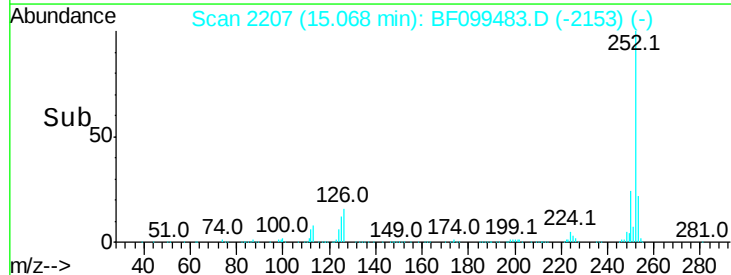
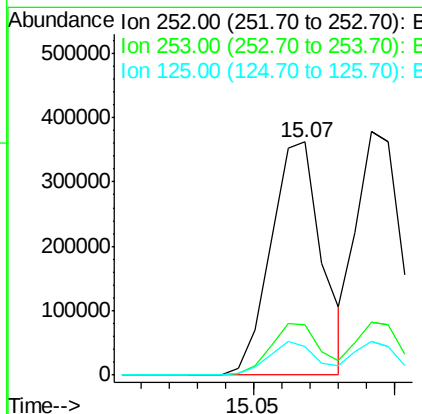
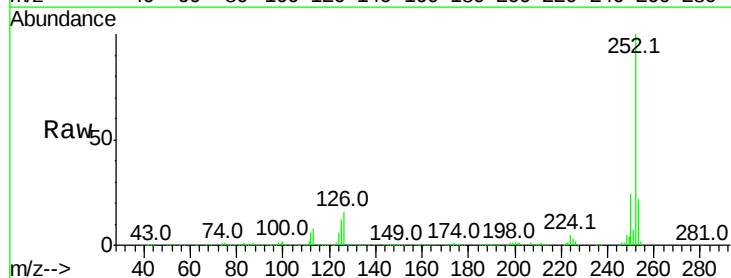
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 19.2  | 28.8  |
| 265 | 20.8  | 17.5  | 26.3  |

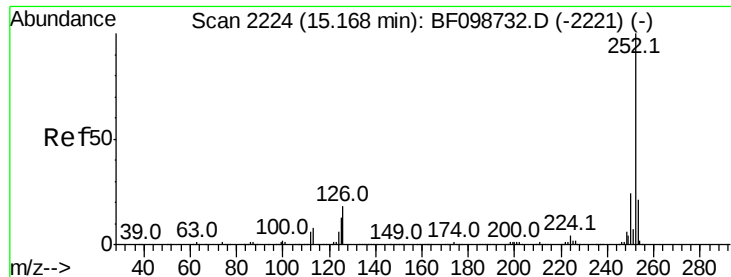


#87  
Benzo(b)fluoranthene  
Concen: 46.586 ng  
RT: 15.07 min Scan# 2207  
Delta R.T. 0.02 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Tgt Ion:252 Resp: 454242  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.7  | 17.0  | 25.6  |
| 125 | 12.3  | 9.0   | 13.6  |





#88

Benzo(k)fluoranthene

Concen: 43.842 ng

RT: 15.09 min Scan# 2211

Delta R.T. 0.01 min

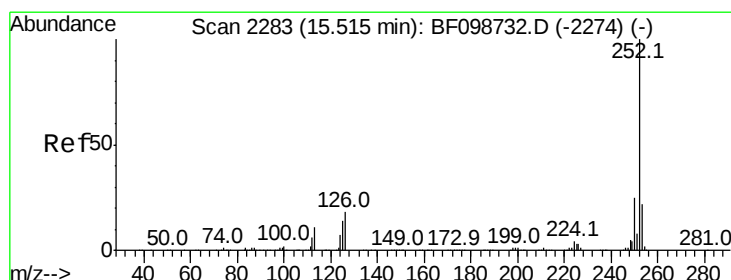
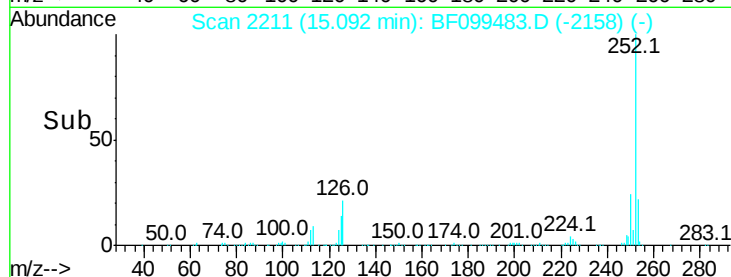
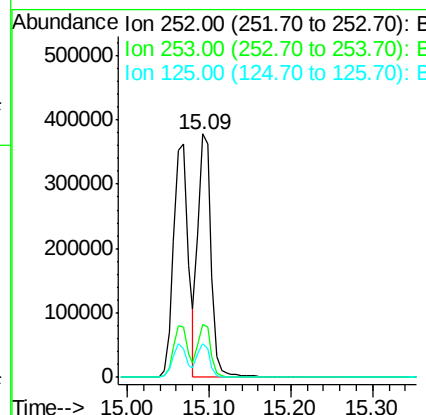
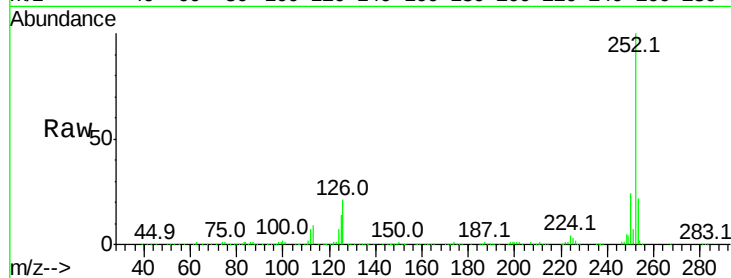
Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 422224

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.7  | 17.9  | 26.9  |
| 125 | 14.1  | 10.2  | 15.2  |



#89

Benzo(a)pyrene

Concen: 49.010 ng

RT: 15.44 min Scan# 2270

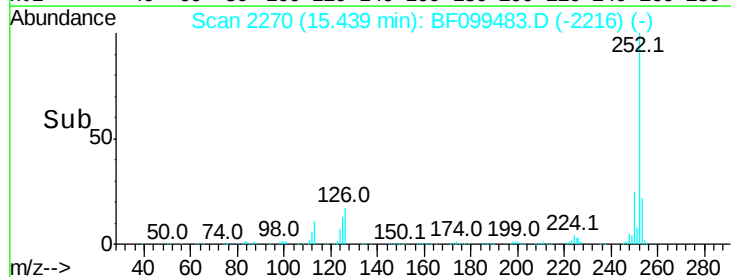
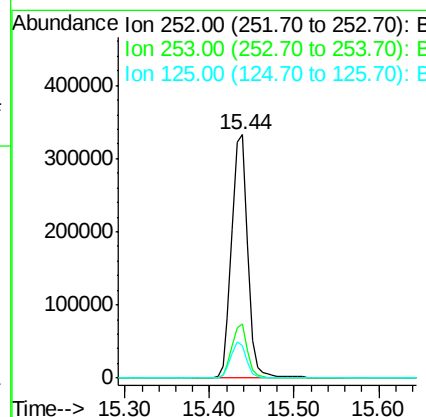
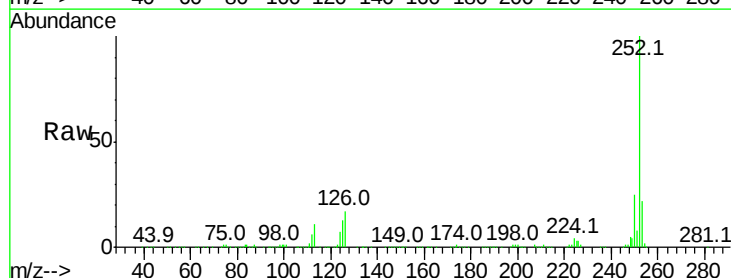
Delta R.T. 0.02 min

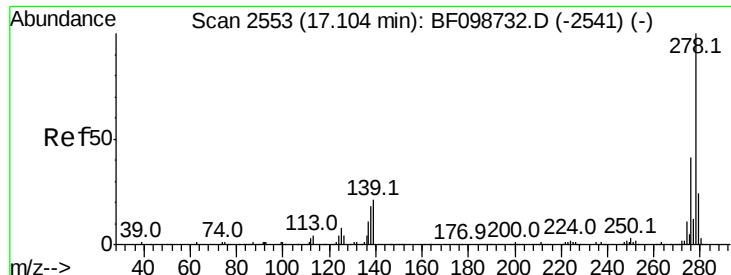
Lab File: BF099483.D

Acq: 14 Oct 2017 18:12

Tgt Ion:252 Resp: 438657

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.1  | 17.1  | 25.7  |
| 125 | 13.2  | 9.8   | 14.6  |

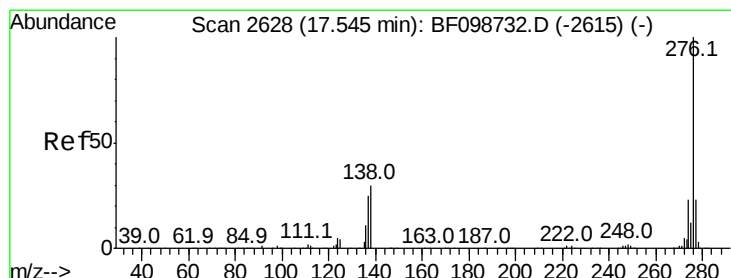
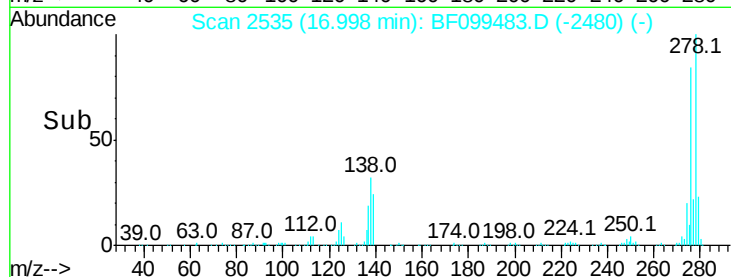
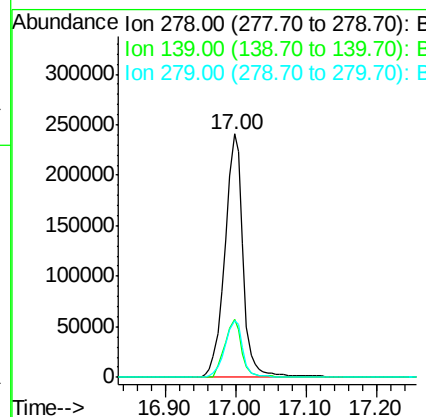
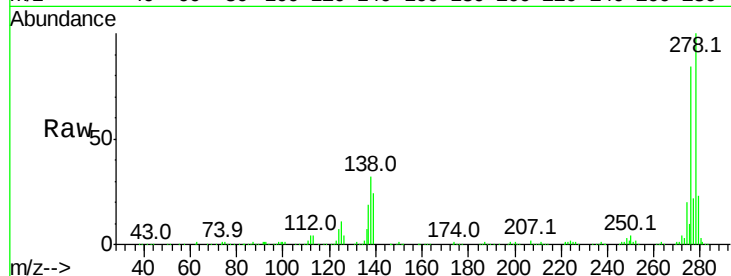




#90  
Dibenzo(a,h)anthracene  
Concen: 60.282 ng  
RT: 17.00 min Scan# 2535  
Delta R.T. 0.02 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:278 Resp: 431793  
Ion Ratio Lower Upper  
278 100  
139 23.6 15.9 23.9  
279 23.4 19.0 28.4



#91  
Benzo(g,h,i)perylene  
Concen: 65.420 ng  
RT: 17.44 min Scan# 2610  
Delta R.T. 0.03 min  
Lab File: BF099483.D  
Acq: 14 Oct 2017 18:12

Tgt Ion:276 Resp: 463196  
Ion Ratio Lower Upper  
276 100  
277 23.3 17.9 26.9  
138 30.4 21.8 32.8

