

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\  
 Data File : BF098970.D  
 Acq On : 30 Sep 2017 18:43  
 Operator : SJ/JU  
 Sample : I5563-06MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 30 23:27:34 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 23 13:50:58 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.92  | 152  | 140797   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.20  | 136  | 541534   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.96  | 164  | 206018   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.44 | 188  | 286094   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.09 | 240  | 236378   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.59 | 264  | 188439   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.55  | 112 | 890884  | 100.73 | ng | 0.00 |
| 7) Phenol-d6             | 6.55  | 99  | 1071362 | 98.19  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.48  | 82  | 648702  | 76.82  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.75 | 330 | 139356  | 82.67  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.27  | 172 | 1024634 | 83.03  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.03 | 244 | 628040  | 60.42  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.78 | 88  | 124170 | 29.390 | ng | 98     |
| 3) Pyridine                    | 3.56 | 79  | 346455 | 30.313 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.51 | 42  | 158048 | 32.610 | ng | 91     |
| 6) Aniline                     | 6.58 | 93  | 289313 | 19.647 | ng | 99     |
| 8) 2-Chlorophenol              | 6.70 | 128 | 327465 | 32.694 | ng | 98     |
| 9) Benzaldehyde                | 6.47 | 77  | 185506 | 29.310 | ng | 96     |
| 10) Phenol                     | 6.56 | 94  | 428096 | 35.083 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.65 | 93  | 328331 | 34.611 | ng | 100    |
| 12) 1,3-Dichlorobenzene        | 6.86 | 146 | 354092 | 33.756 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.93 | 146 | 361961 | 33.915 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 7.09 | 146 | 337376 | 34.212 | ng | 99     |
| 15) Benzyl Alcohol             | 7.06 | 79  | 279178 | 34.879 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.19 | 45  | 487575 | 32.990 | ng | 98     |
| 17) 2-Methylphenol             | 7.17 | 107 | 270984 | 33.065 | ng | 96     |
| 18) Hexachloroethane           | 7.43 | 117 | 100034 | 26.077 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.33 | 70  | 218945 | 31.430 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.32 | 107 | 327013 | 31.541 | ng | # 87   |
| 22) Acetophenone               | 7.33 | 105 | 448301 | 34.168 | ng | # 96   |
| 24) Nitrobenzene               | 7.50 | 77  | 333685 | 34.835 | ng | 99     |
| 25) Isophorone                 | 7.74 | 82  | 601483 | 34.452 | ng | 98     |
| 26) 2-Nitrophenol              | 7.82 | 139 | 117195 | 25.442 | ng | 91     |
| 27) 2,4-Dimethylphenol         | 7.85 | 122 | 288345 | 33.147 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.95 | 93  | 396800 | 36.471 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.06 | 162 | 242814 | 32.510 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.14 | 180 | 265401 | 35.529 | ng | 99     |
| 31) Naphthalene                | 8.22 | 128 | 957282 | 37.638 | ng | 100    |
| 32) Benzoic acid               | 7.85 | 122 | 288345 | 40.353 | ng | # 14   |
| 33) 4-Chloroaniline            | 8.27 | 127 | 187072 | 17.613 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.33 | 225 | 132281 | 34.380 | ng | 98     |
| 35) Caprolactam                | 8.63 | 113 | 68488  | 28.587 | ng | 88     |
| 36) 4-Chloro-3-methylphenol    | 8.75 | 107 | 238312 | 28.388 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.91 | 142 | 604710 | 36.574 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.08 | 216 | 228512 | 37.193 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.06 | 237 | 14262  | 5.079  | ng | 96     |

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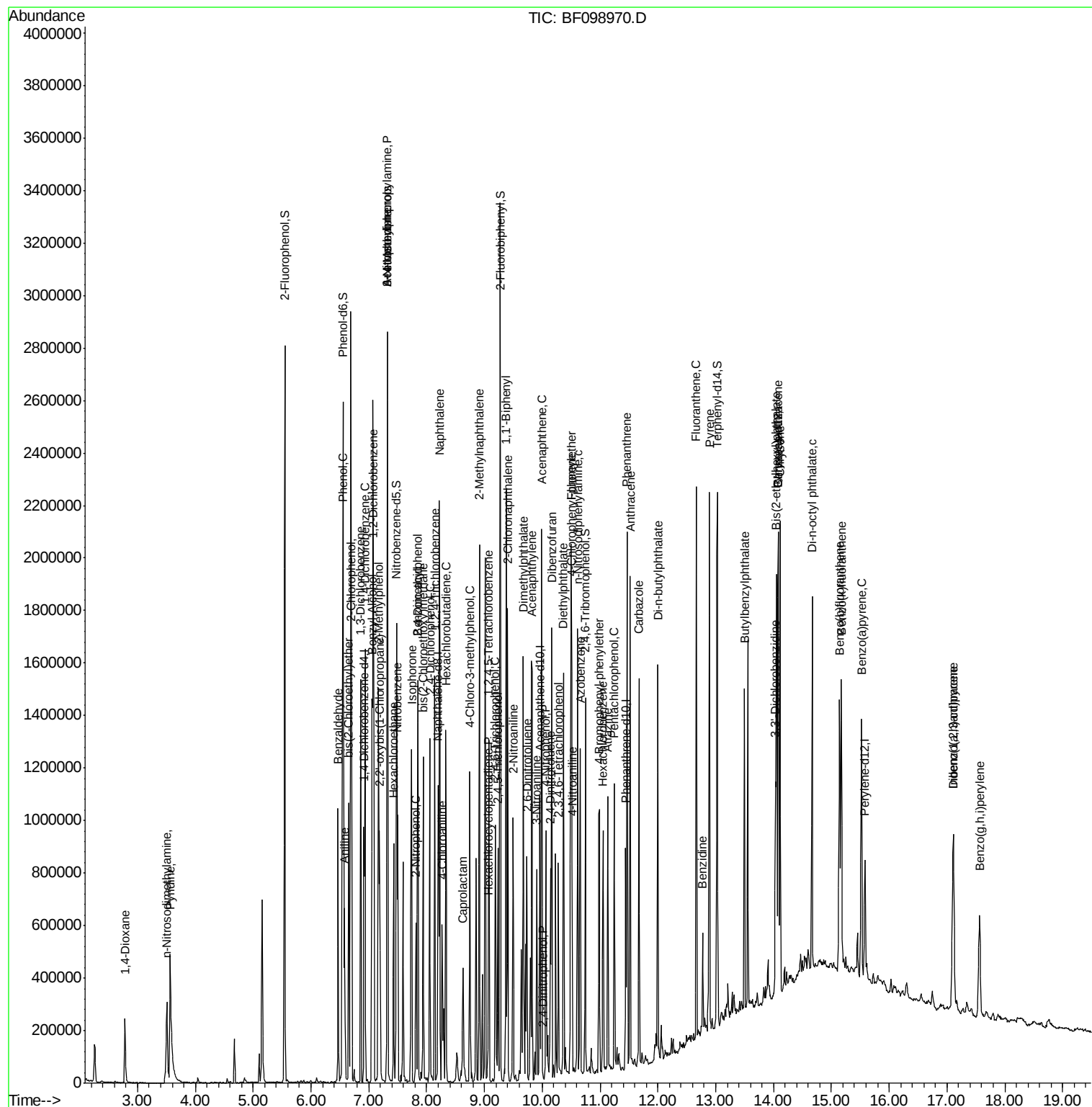
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 42) 2,4,6-Trichlorophenol      | 9.19  | 196  | 134955   | 31.005 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.23  | 196  | 132680   | 30.536 | ng    | 94       |
| 45) 1,1'-Biphenyl              | 9.37  | 154  | 660148   | 37.284 | ng    | 100      |
| 46) 2-Chloronaphthalene        | 9.40  | 162  | 500375   | 37.639 | ng    | 97       |
| 47) 2-Nitroaniline             | 9.50  | 65   | 155207   | 38.128 | ng    | 97       |
| 48) Acenaphthylene             | 9.82  | 152  | 732322   | 35.985 | ng    | 100      |
| 49) Dimethylphthalate          | 9.67  | 163  | 743800   | 47.836 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.74  | 165  | 110967   | 32.781 | ng    | 87       |
| 51) Acenaphthene               | 9.99  | 154  | 436020   | 33.823 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.90  | 138  | 130506   | 33.064 | ng    | 97       |
| 53) 2,4-Dinitrophenol          | 10.01 | 184  | 983      | 6.345  | ng    | # 74     |
| 54) Dibenzofuran               | 10.16 | 168  | 631068   | 36.766 | ng    | 98       |
| 55) 4-Nitrophenol              | 10.06 | 139  | 164277   | 49.221 | ng    | 94       |
| 56) 2,4-Dinitrotoluene         | 10.14 | 165  | 130377   | 29.676 | ng    | 94       |
| 57) Fluorene                   | 10.50 | 166  | 474189   | 34.372 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.28 | 232  | 88985    | 29.647 | ng    | # 97     |
| 59) Diethylphthalate           | 10.37 | 149  | 553893   | 36.455 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.49 | 204  | 213870   | 34.511 | ng    | 100      |
| 61) 4-Nitroaniline             | 10.52 | 138  | 128898   | 33.849 | ng    | 90       |
| 62) Azobenzene                 | 10.65 | 77   | 471960   | 33.783 | ng    | 99       |
| 65) n-Nitrosodiphenylamine     | 10.61 | 169  | 410690   | 41.437 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.99 | 248  | 114239   | 40.794 | ng    | 92       |
| 67) Hexachlorobenzene          | 11.05 | 284  | 103992   | 34.769 | ng    | 95       |
| 68) Atrazine                   | 11.13 | 200  | 111931   | 37.536 | ng    | 99       |
| 69) Pentachlorophenol          | 11.24 | 266  | 102168   | 54.887 | ng    | 98       |
| 70) Phenanthrene               | 11.47 | 178  | 706819   | 46.156 | ng    | 99       |
| 71) Anthracene                 | 11.52 | 178  | 634850   | 40.516 | ng    | 100      |
| 72) Carbazole                  | 11.67 | 167  | 558888   | 36.423 | ng    | 99       |
| 73) Di-n-butylphthalate        | 12.00 | 149  | 713344   | 38.623 | ng    | 98       |
| 74) Fluoranthene               | 12.66 | 202  | 807076   | 52.046 | ng    | 98       |
| 76) Benzidine                  | 12.77 | 184  | 136488   | 15.611 | ng    | 98       |
| 77) Pyrene                     | 12.89 | 202  | 815649   | 45.252 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.50 | 149  | 288958   | 34.111 | ng    | 93       |
| 80) Benzo(a)anthracene         | 14.08 | 228  | 625696   | 43.714 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.03 | 252  | 154280   | 29.403 | ng    | 98       |
| 82) Chrysene                   | 14.12 | 228  | 598890   | 43.949 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.05 | 149  | 424436   | 36.387 | ng    | # 98     |
| 84) Di-n-octyl phthalate       | 14.67 | 149  | 746391   | 39.739 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.10 | 276  | 373564   | 34.270 | ng    | 96       |
| 87) Benzo(b)fluoranthene       | 15.14 | 252  | 559375   | 48.280 | ng    | # 97     |
| 88) Benzo(k)fluoranthene       | 15.17 | 252  | 468604   | 40.949 | ng    | 98       |
| 89) Benzo(a)pyrene             | 15.52 | 252  | 464523   | 43.678 | ng    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 17.12 | 278  | 282064   | 33.140 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.56 | 276  | 306909   | 36.480 | ng    | 96       |
| -----                          |       |      |          |        |       |          |

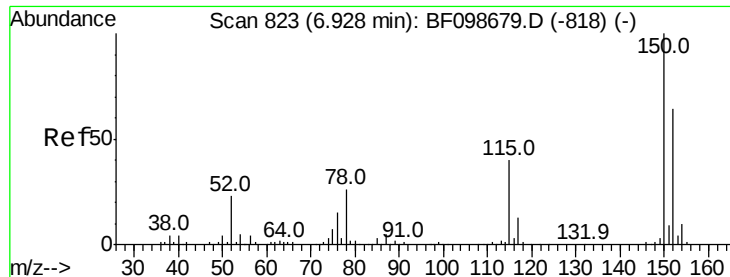
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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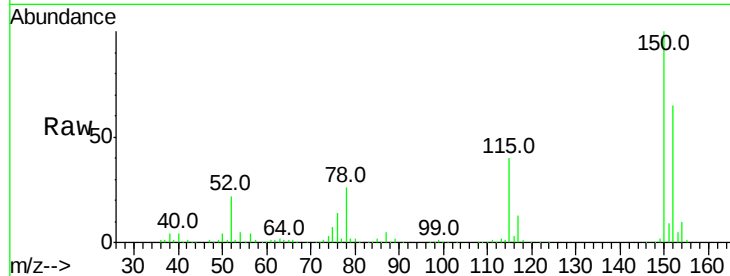


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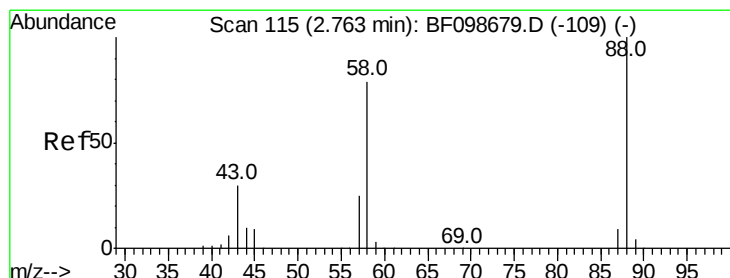
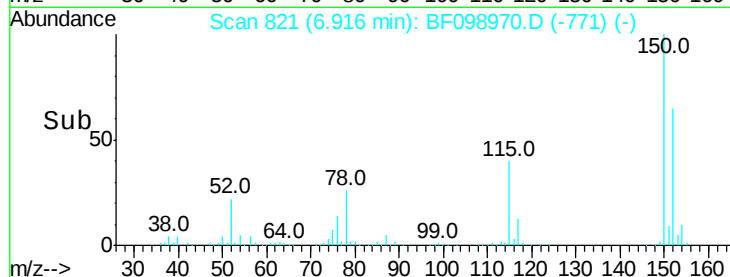
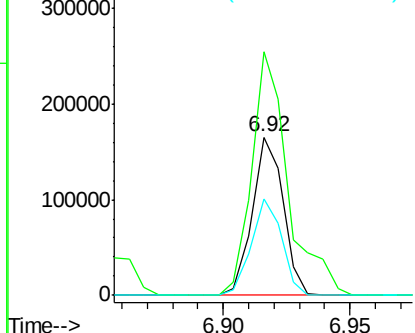
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.92 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 140797  
Ion Ratio Lower Upper  
152 100  
150 153.7 124.6 186.8  
115 61.3 50.1 75.1



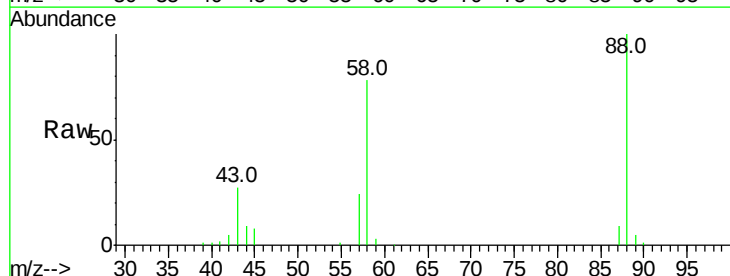
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



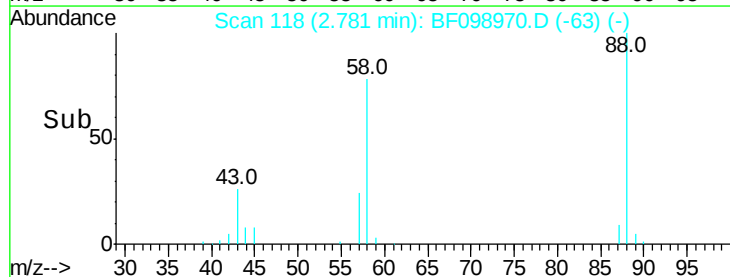
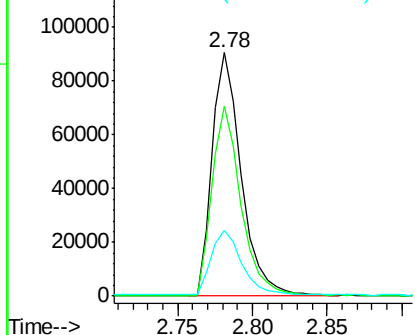
#2

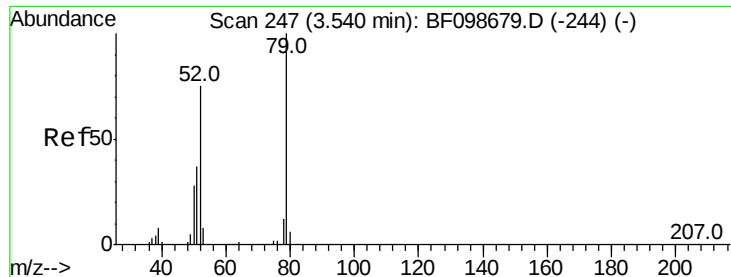
1,4-Dioxane  
Concen: 29.390 ng  
RT: 2.78 min Scan# 118  
Delta R.T. 0.02 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Tgt Ion: 88 Resp: 124170  
Ion Ratio Lower Upper  
88 100  
58 77.6 62.6 93.8  
43 28.7 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 30.313 ng

RT: 3.56 min Scan# 251

Delta R.T. 0.04 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

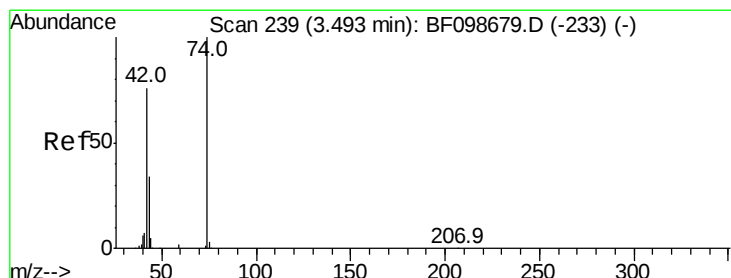
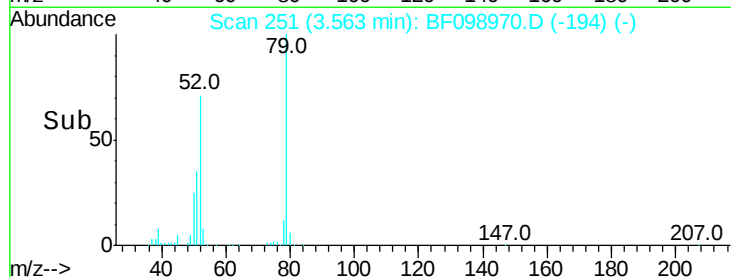
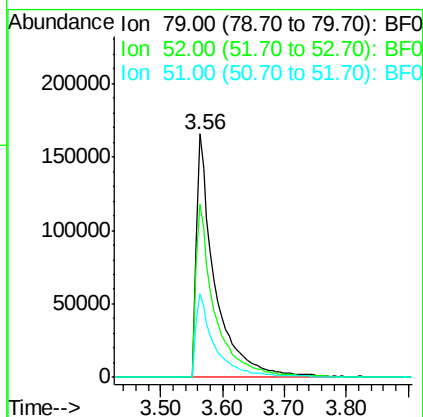
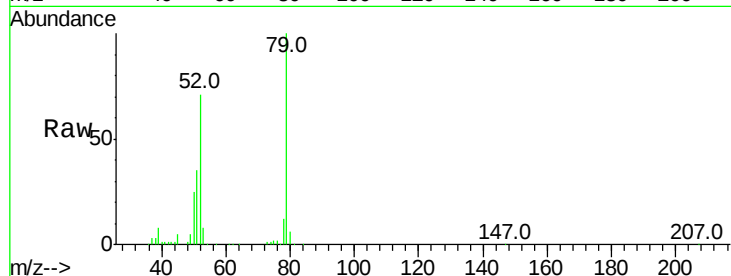
Tot Ion: 79 Resp: 346455

Ion Ratio Lower Upper

79 100

52 71.1 59.8 89.6

51 34.6 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 32.610 ng

RT: 3.51 min Scan# 242

Delta R.T. 0.02 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

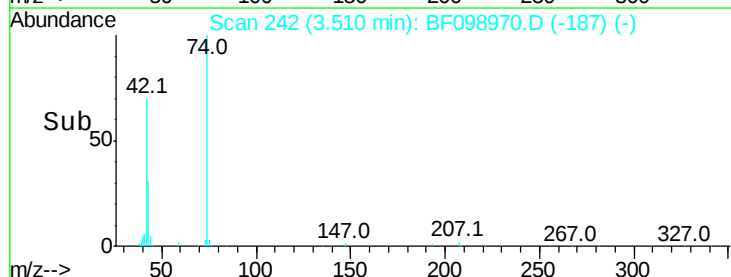
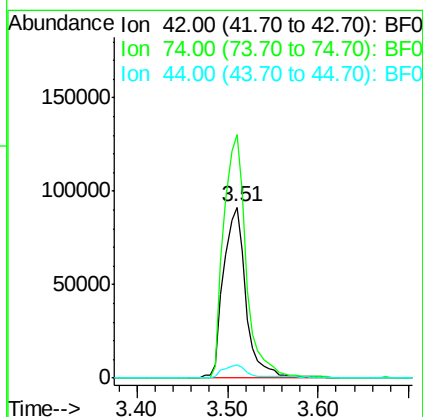
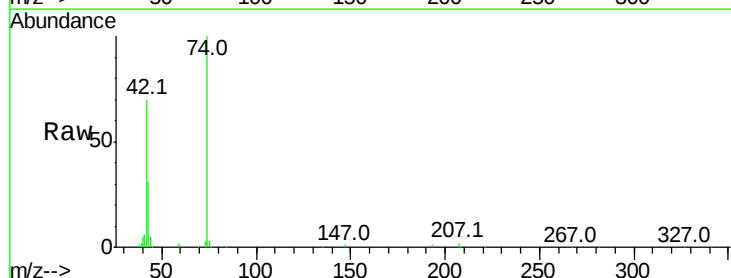
Tgt Ion: 42 Resp: 158048

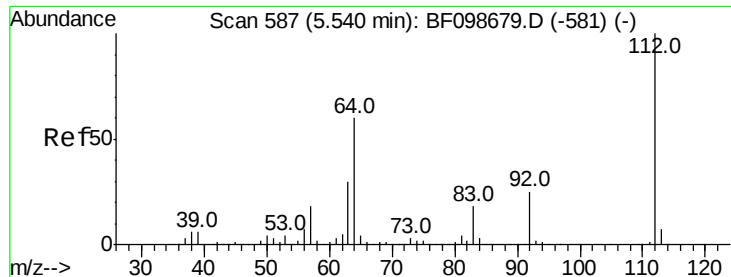
Ion Ratio Lower Upper

42 100

74 142.6 104.9 157.3

44 7.6 6.9 10.3





#5

2-Fluorophenol

Concen: 100.726 ng

RT: 5.55 min Scan# 588

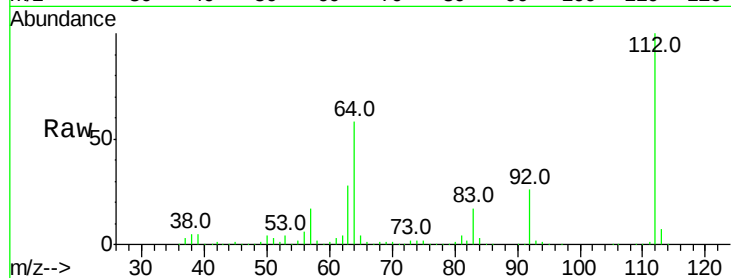
Delta R.T. 0.01 min

Lab File: BF098970.D

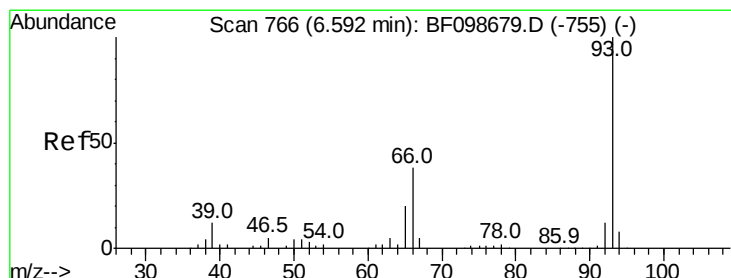
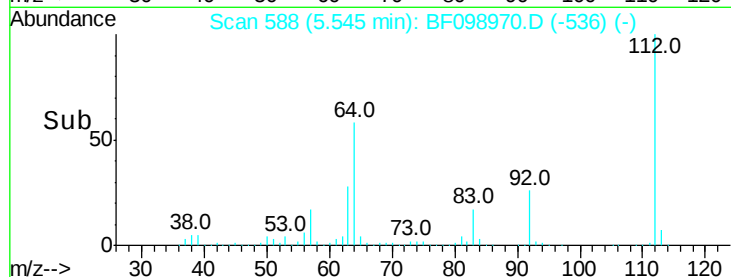
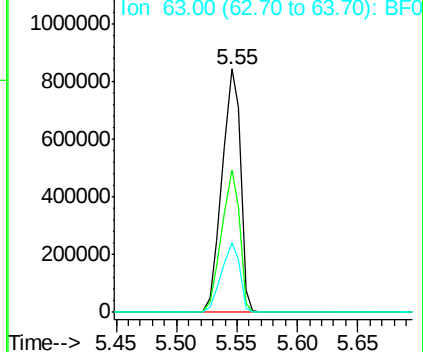
Acq: 30 Sep 2017 18:43

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 890884 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 58.3  | 47.9  | 71.9   |
| 63       | 28.4  | 23.7  | 35.5   |



Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 19.647 ng

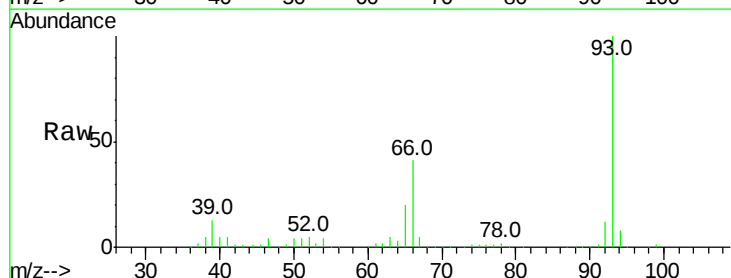
RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

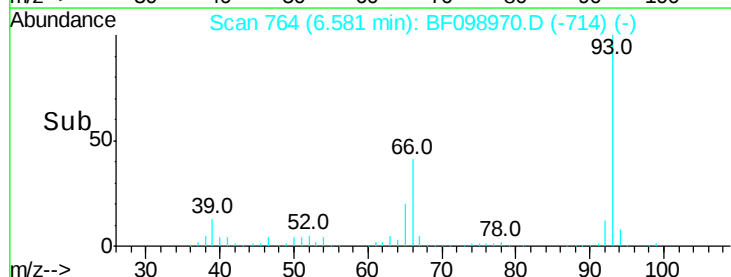
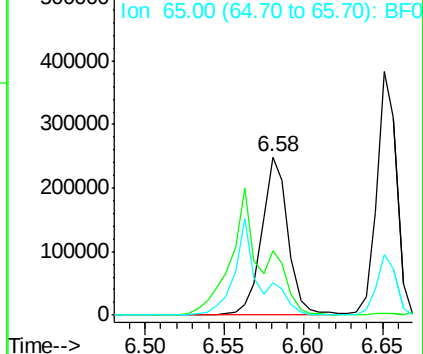
Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 289313 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 40.6  | 32.2  | 48.2   |
| 65       | 20.1  | 16.4  | 24.6   |



Abundance Ion 93.00 (92.70 to 93.70): BF0





#7

Phenol-d6

Concen: 98.193 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampled :

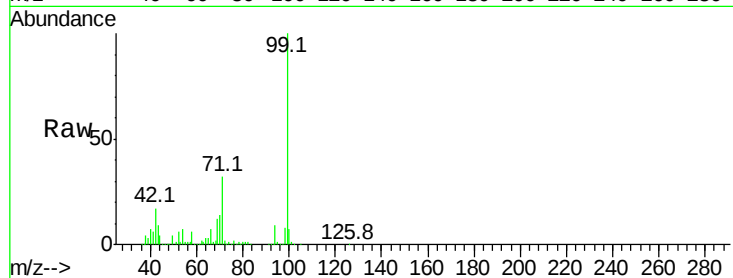
Tot Ion: 99 Resp: 1071362

Ion Ratio Lower Upper

99 100

42 17.0 14.5 21.7

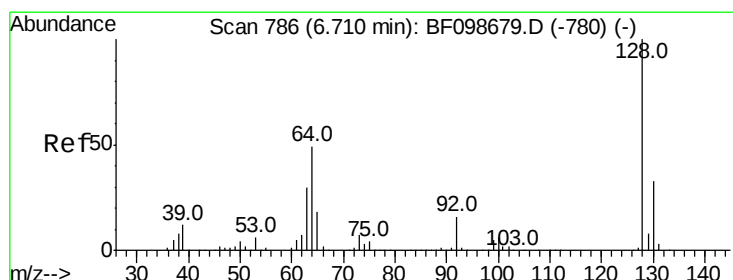
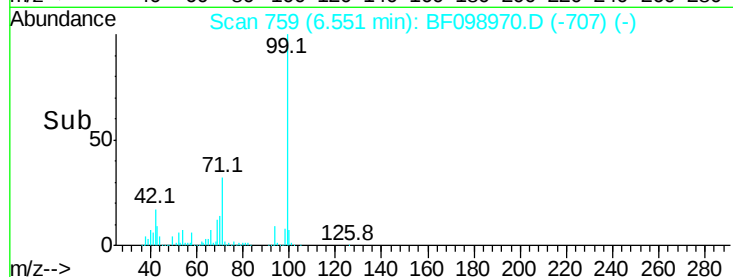
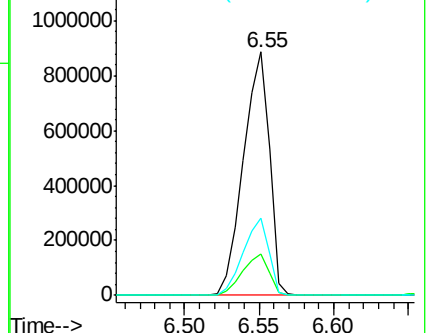
71 31.9 25.4 38.0



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: 32.694 ng

RT: 6.70 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

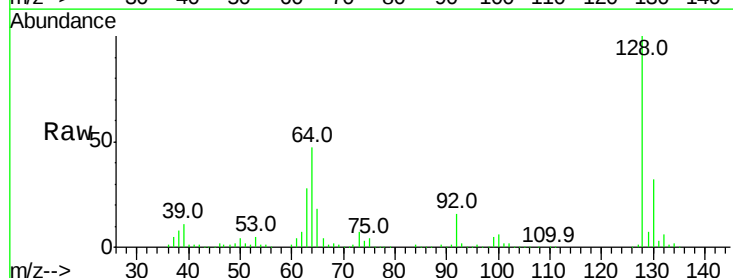
Tgt Ion: 128 Resp: 327465

Ion Ratio Lower Upper

128 100

130 32.3 13.0 53.0

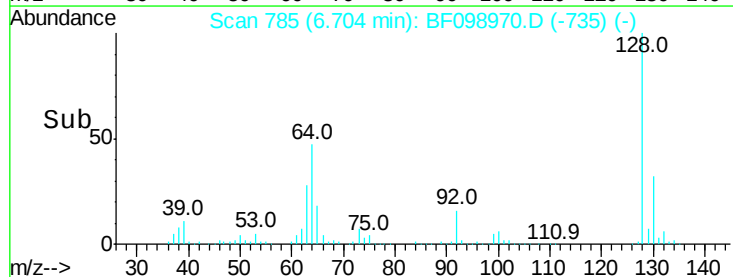
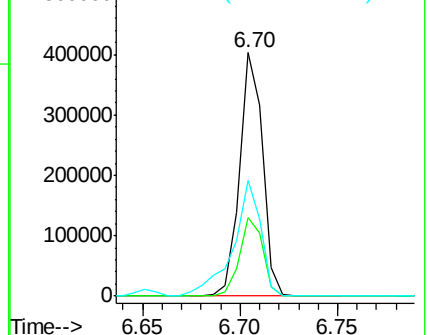
64 47.3 29.4 69.4

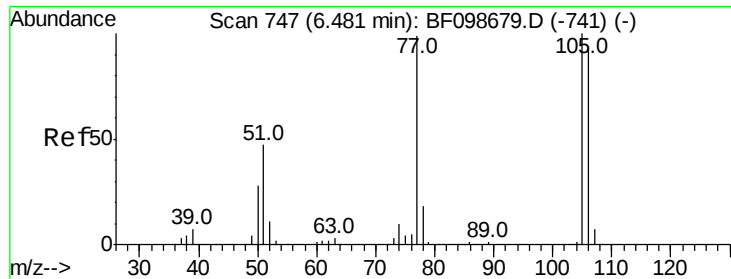


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 29.310 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

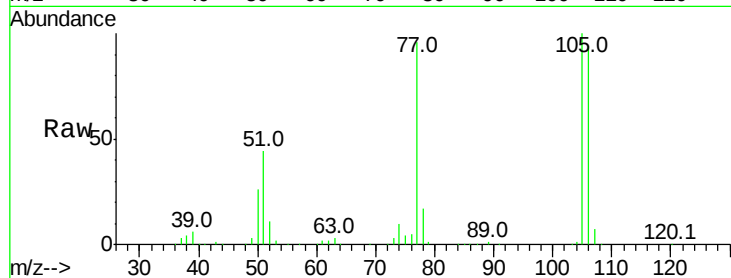
Tot Ion: 77 Resp: 185506

Ion Ratio Lower Upper

77 100

105 104.6 81.1 121.1

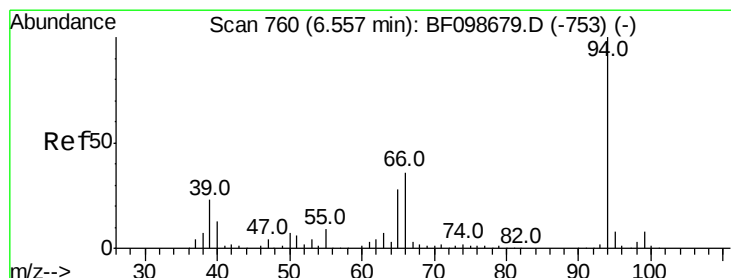
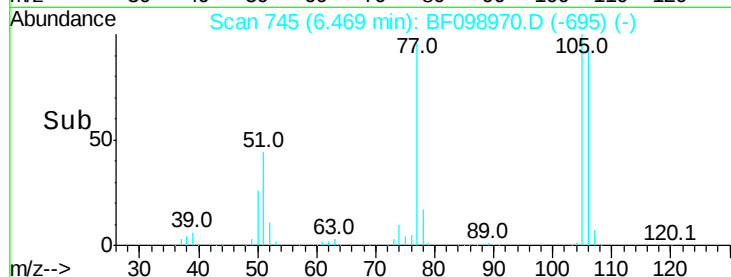
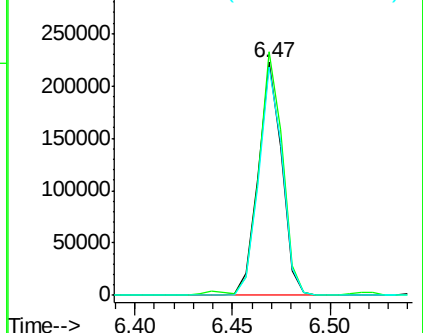
106 98.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 35.083 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

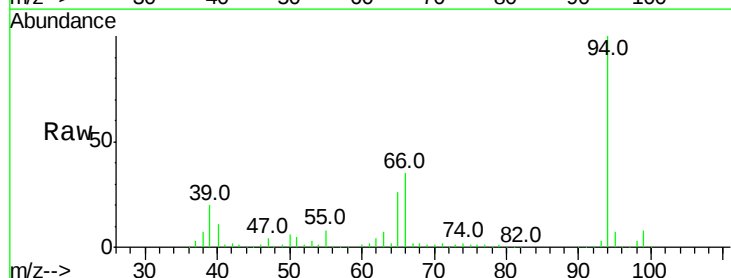
Tgt Ion: 94 Resp: 428096

Ion Ratio Lower Upper

94 100

65 26.5 7.9 47.9

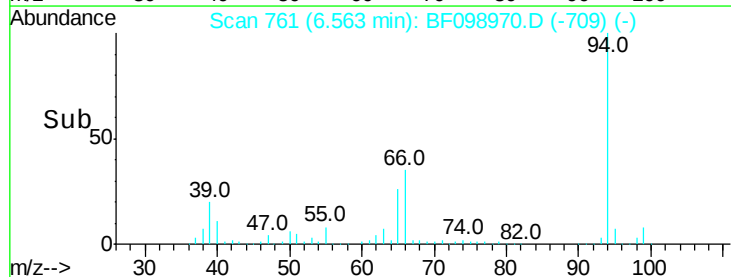
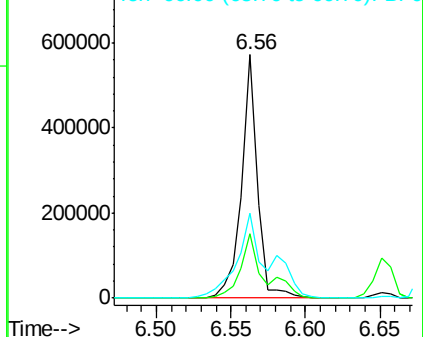
66 34.9 16.2 56.2

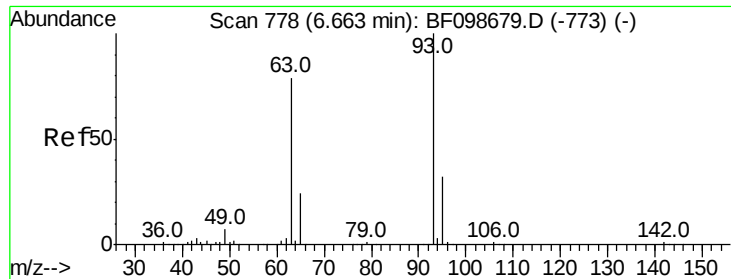


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 34.611 ng

RT: 6.65 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampled :

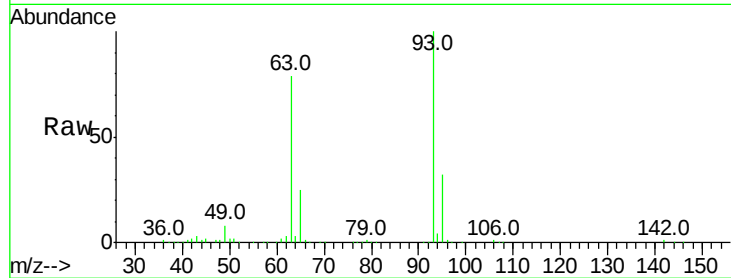
Tot Ion: 93 Resp: 328331

Ion Ratio Lower Upper

93 100

63 78.9 58.6 98.6

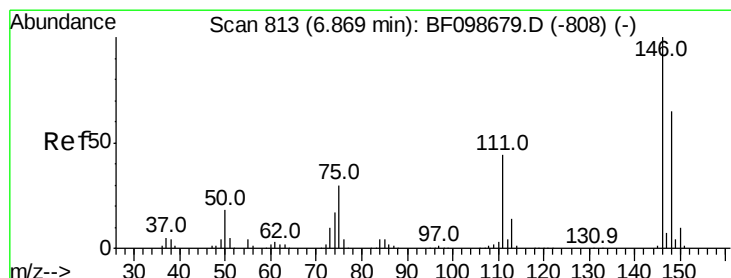
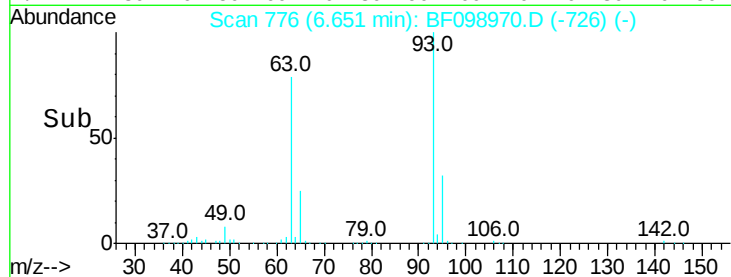
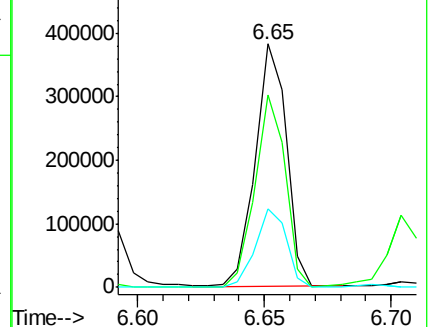
95 32.1 11.8 51.8



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: 33.756 ng

RT: 6.86 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

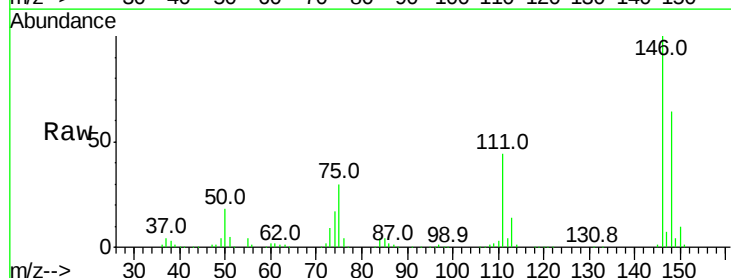
Tgt Ion: 146 Resp: 354092

Ion Ratio Lower Upper

146 100

148 64.2 51.8 77.8

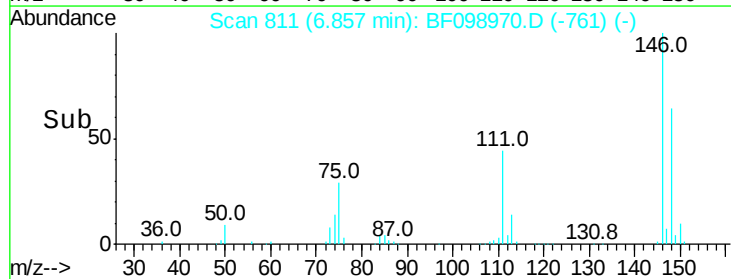
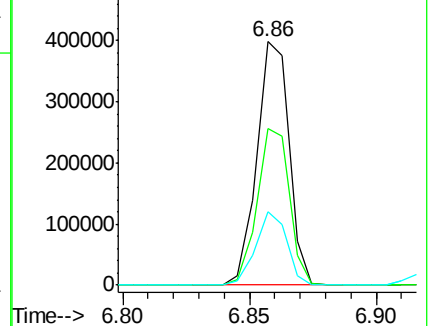
75 30.2 24.2 36.4

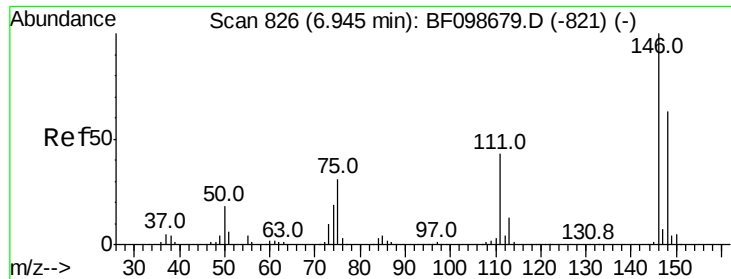


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

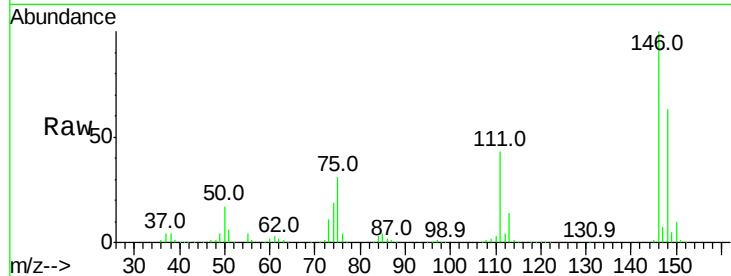




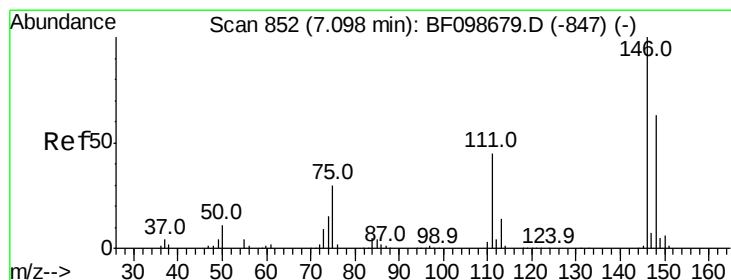
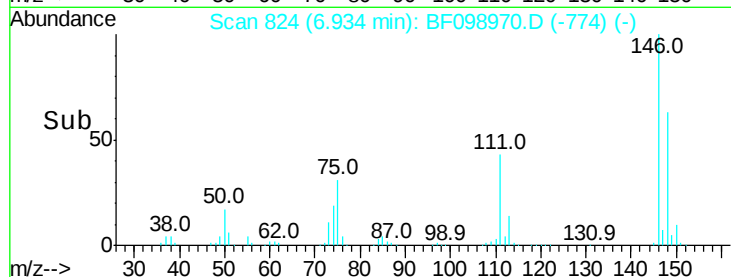
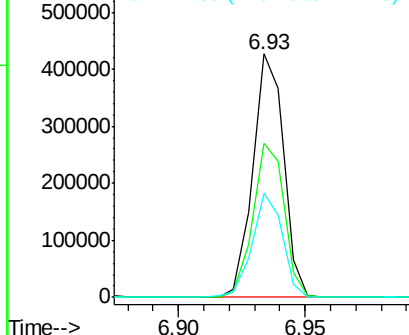
#13  
 1,4-Dichlorobenzene  
 Concen: 33.915 ng  
 RT: 6.93 min Scan# 824  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:146 Resp: 361961  
 Ion Ratio Lower Upper  
 146 100  
 148 63.4 50.8 76.2  
 111 42.6 34.2 51.2

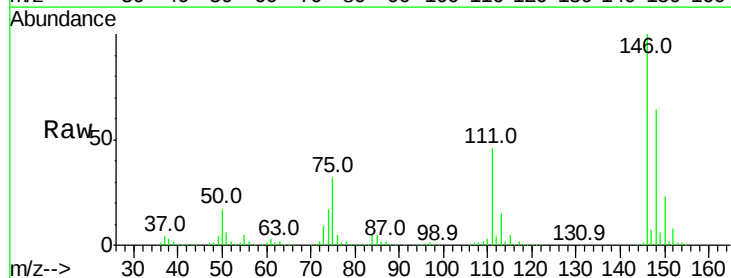


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

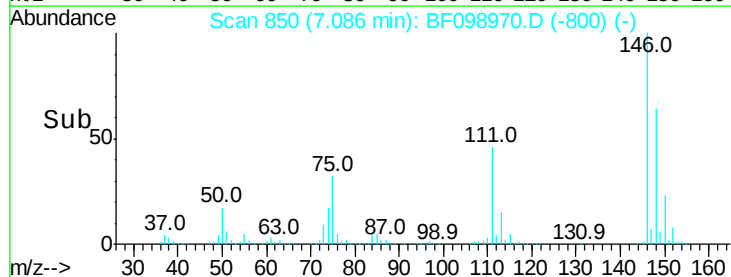
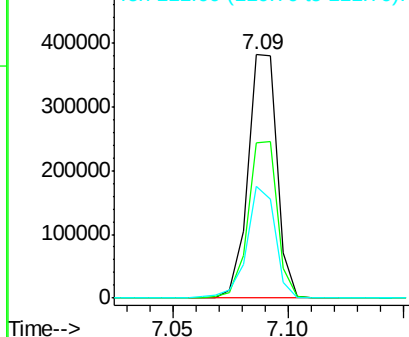


#14  
 1,2-Dichlorobenzene  
 Concen: 34.212 ng  
 RT: 7.09 min Scan# 850  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

Tgt Ion:146 Resp: 337376  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 50.6 75.8  
 111 46.0 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: 34.879 ng

RT: 7.06 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

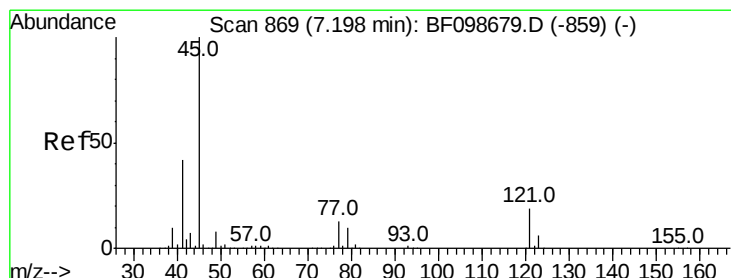
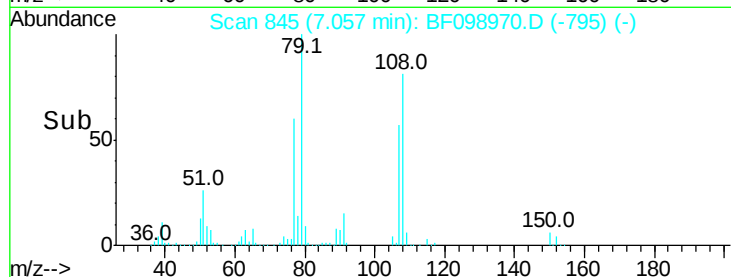
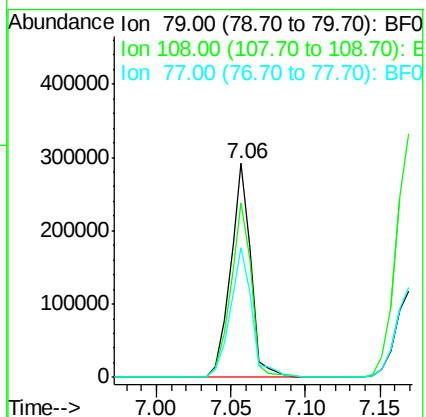
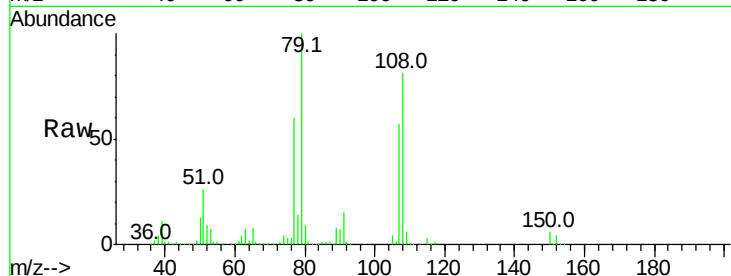
Tot Ion: 79 Resp: 279178

Ion Ratio Lower Upper

79 100

108 81.4 65.1 97.7

77 60.4 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 32.990 ng

RT: 7.19 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

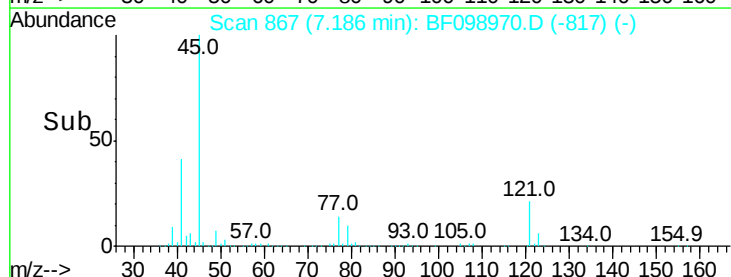
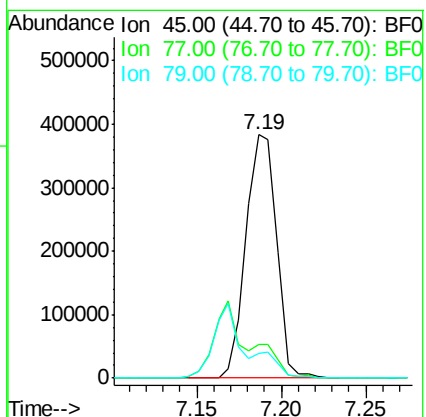
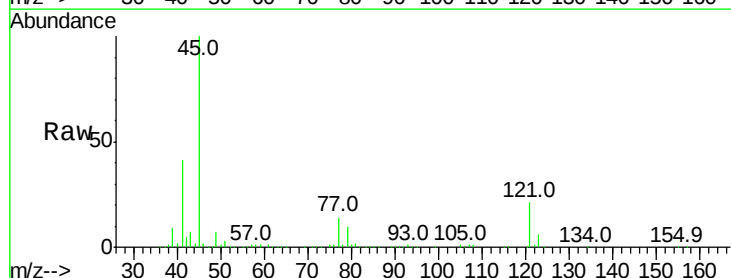
Tgt Ion: 45 Resp: 487575

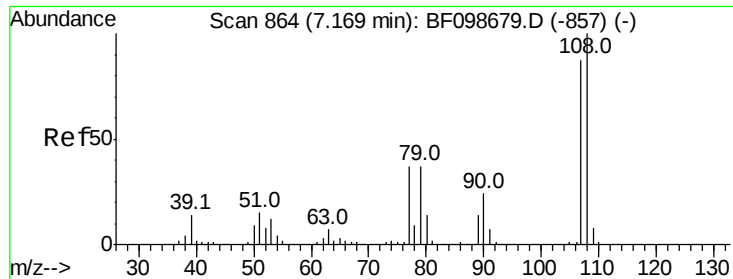
Ion Ratio Lower Upper

45 100

77 14.0 0.0 32.9

79 10.1 0.0 29.6

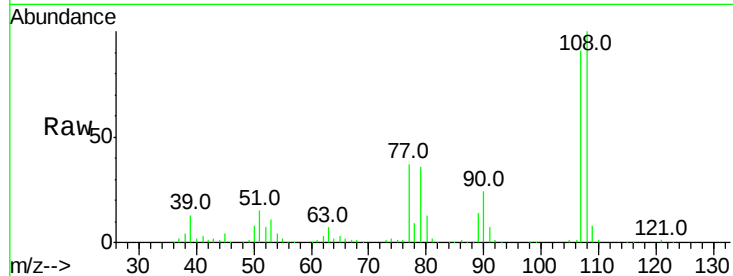




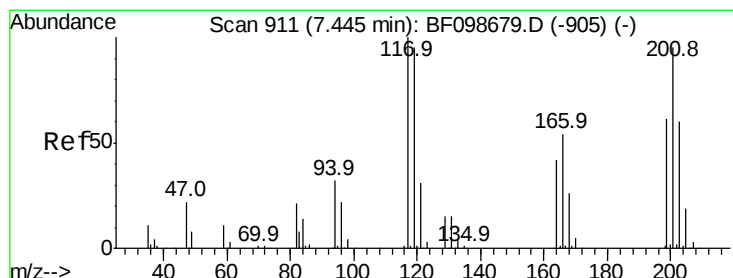
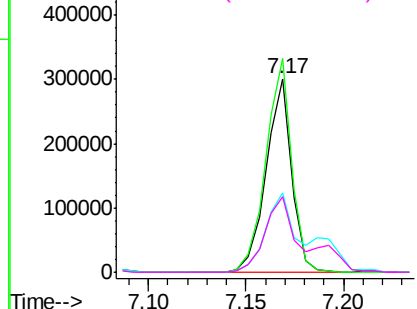
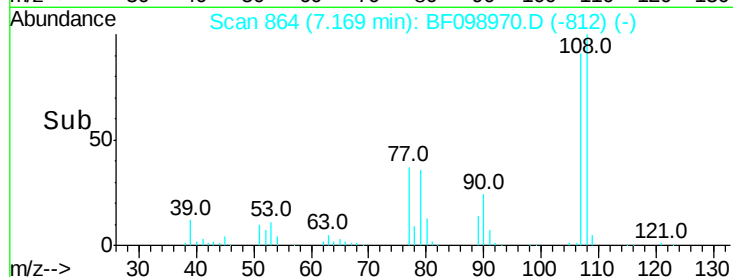
#17  
2-Methylphenol  
Concen: 33.065 ng  
RT: 7.17 min Scan# 864  
Delta R.T. 0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:107 Resp: 270984  
Ion Ratio Lower Upper  
107 100  
108 110.4 91.7 137.5  
77 40.8 33.8 50.8  
79 39.3 33.8 50.8

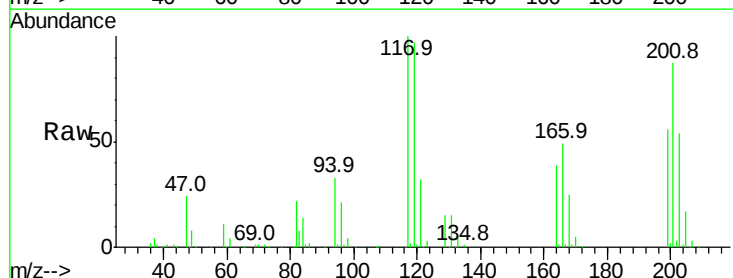


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

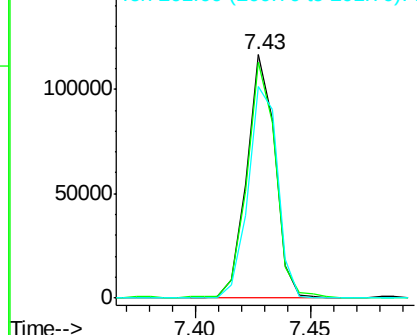
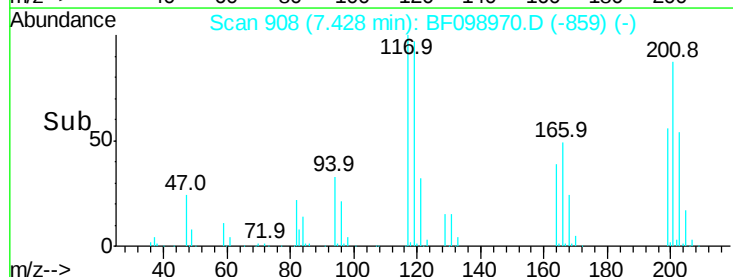


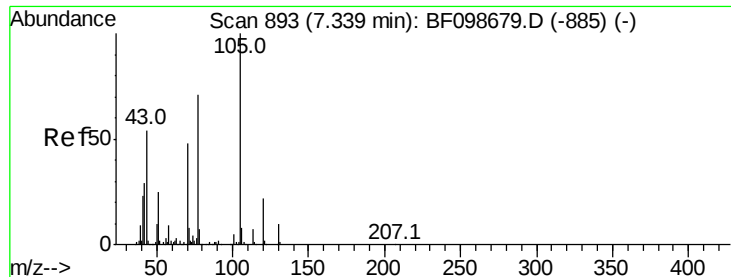
#18  
Hexachloroethane  
Concen: 26.077 ng  
RT: 7.43 min Scan# 908  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Tgt Ion:117 Resp: 100034  
Ion Ratio Lower Upper  
117 100  
119 96.8 75.8 113.8  
201 87.0 75.7 113.5



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

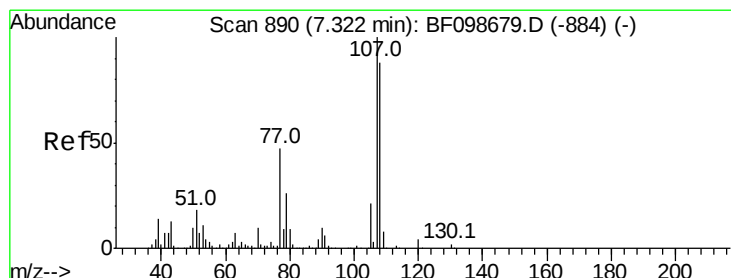
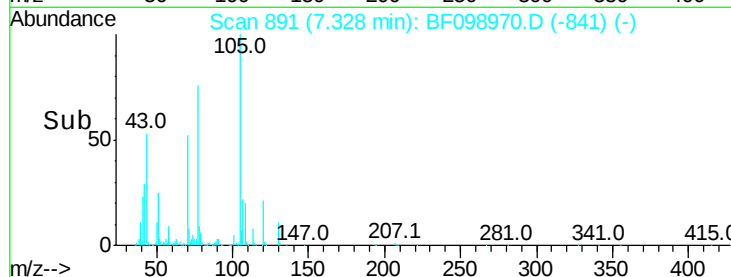
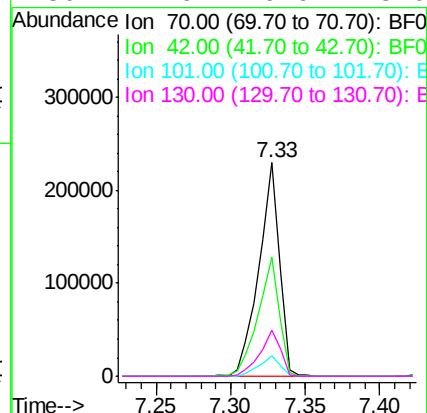
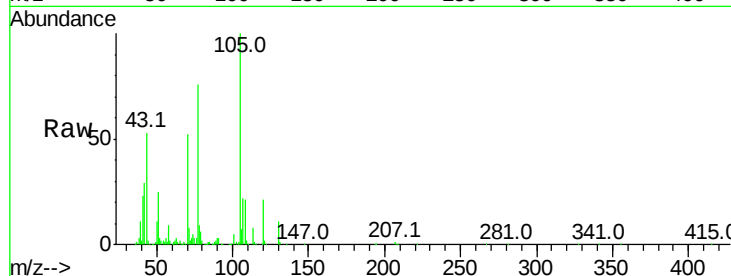




#19  
n-Nitroso-di-n-propylamine  
Concen: 31.430 ng  
RT: 7.33 min Scan# 891  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

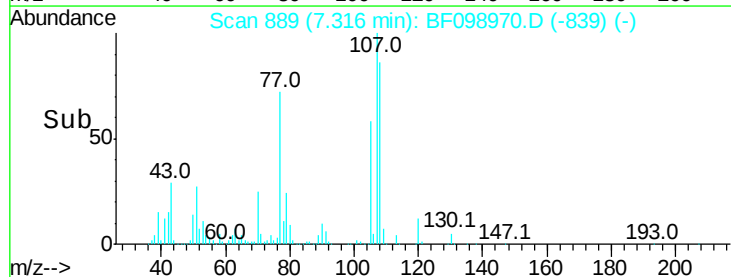
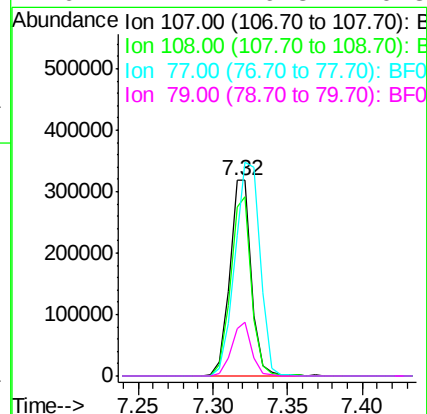
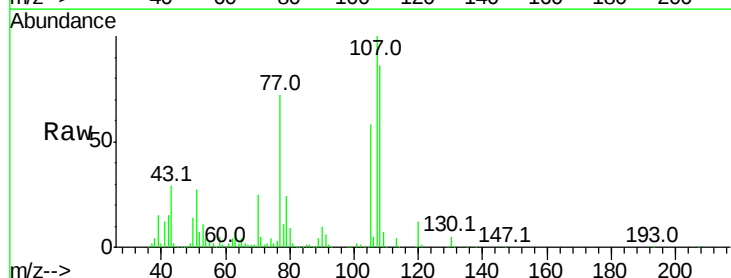
Instrument :  
BNA\_F  
ClientSampleId :

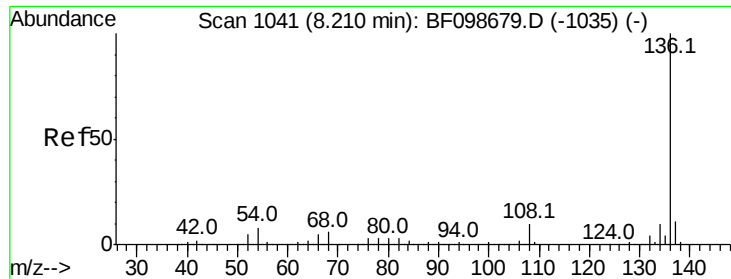
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 218945 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 55.7  | 47.5  | 71.3   |
| 101      | 9.4   | 7.4   | 11.2   |
| 130      | 21.6  | 16.6  | 25.0   |



#20  
3+4-Methylphenols  
Concen: 31.541 ng  
RT: 7.32 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 327013 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 86.3  | 68.2  | 108.2  |
| 77       | 72.2  | 26.7  | 66.7#  |
| 79       | 24.4  | 6.3   | 46.3   |

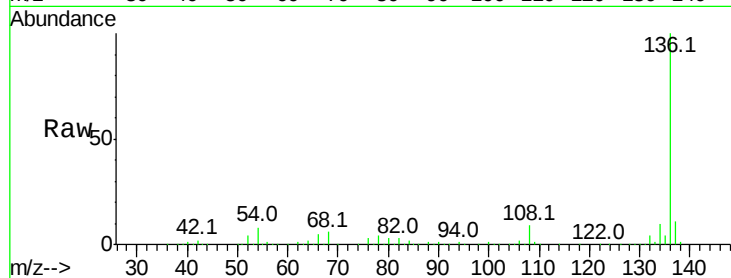




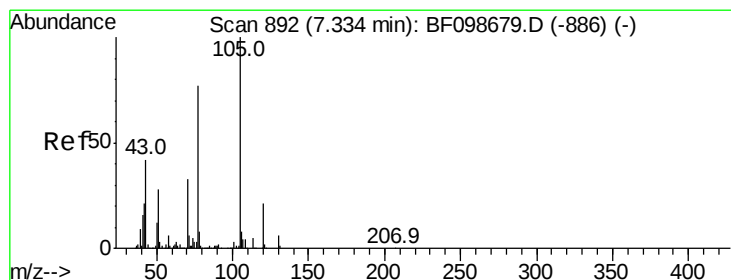
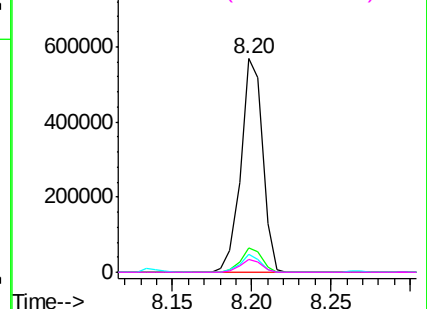
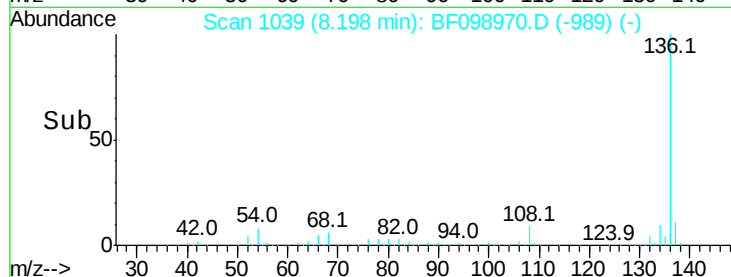
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.20 min Scan# 1039  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 541534   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.2  | 8.9 13.3 |
| 54          | 8.2   | 6.6 9.8  |
| 68          | 6.1   | 5.0 7.4  |

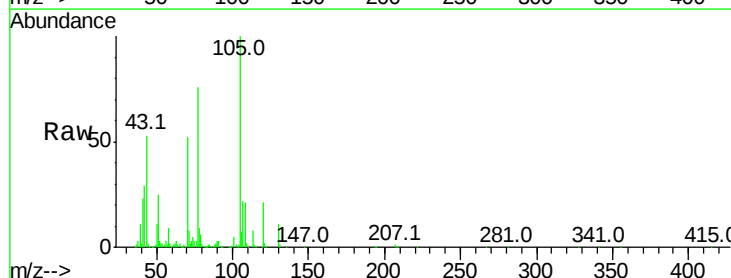


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

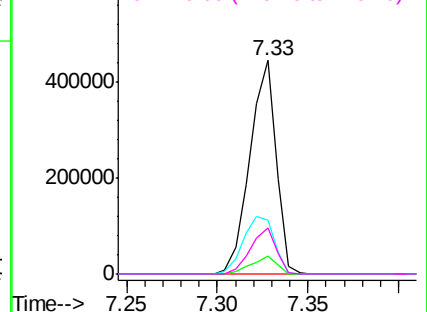
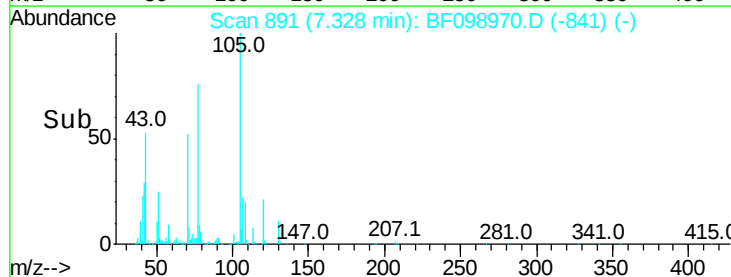


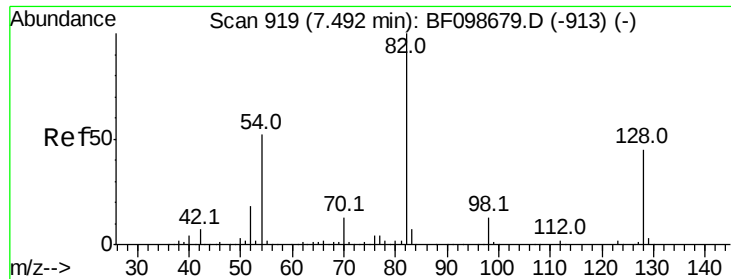
#22  
Acetophenone  
Concen: 34.168 ng  
RT: 7.33 min Scan# 891  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 448301    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 8.4   | 4.4 6.6#  |
| 51          | 25.3  | 22.3 33.5 |
| 120         | 21.4  | 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

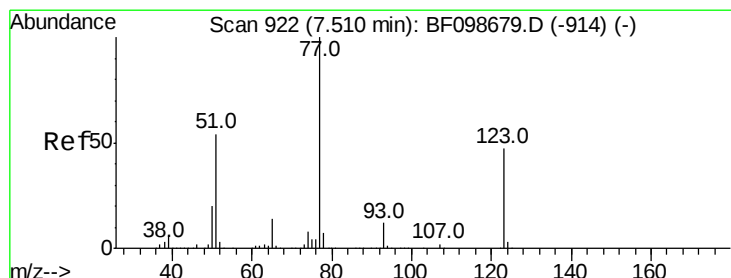
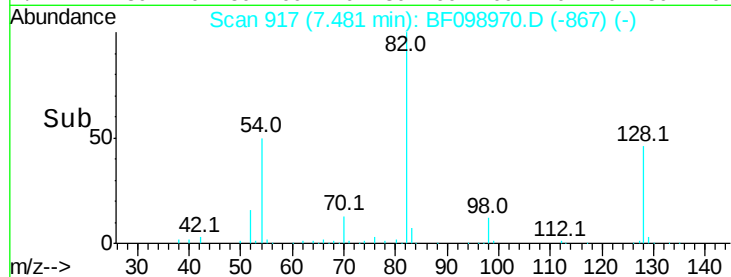
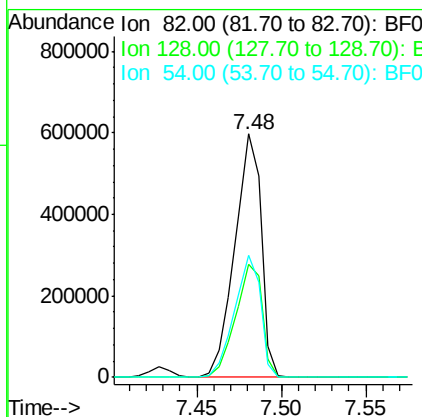
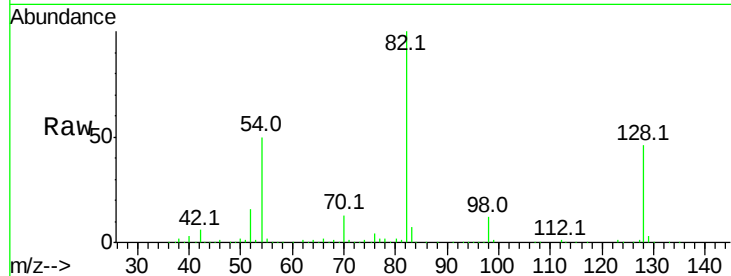




#23  
 Nitrobenzene-d5  
 Concen: 76.821 ng  
 RT: 7.48 min Scan# 917  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

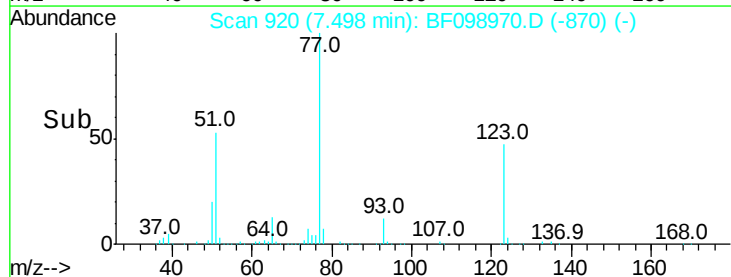
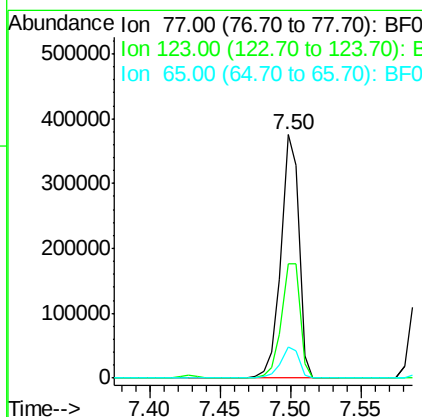
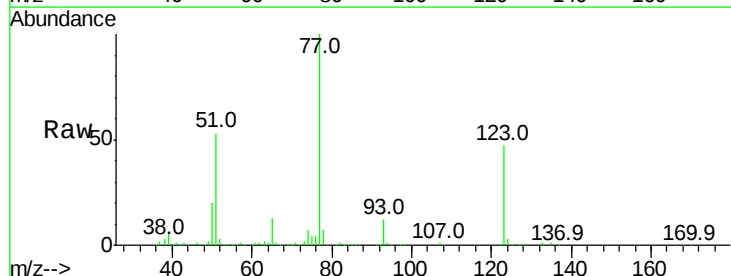
Instrument :  
 BNA\_F  
 ClientSampleId :

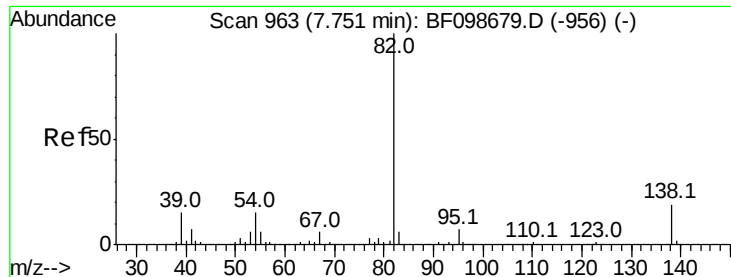
| Tot Ion   | 82   | Resp  | 648702 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 46.2 | 36.1  | 54.1   |
| 54        | 49.9 | 41.4  | 62.2   |



#24  
 Nitrobenzene  
 Concen: 34.835 ng  
 RT: 7.50 min Scan# 920  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

| Tgt Ion   | 77   | Resp  | 333685 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 46.9 | 37.9  | 56.9   |
| 65        | 12.7 | 11.0  | 16.4   |





#25

Isophorone

Concen: 34.452 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

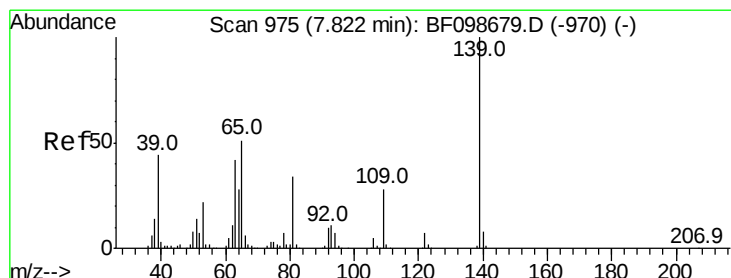
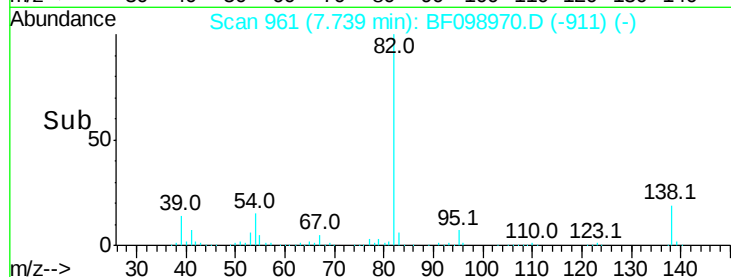
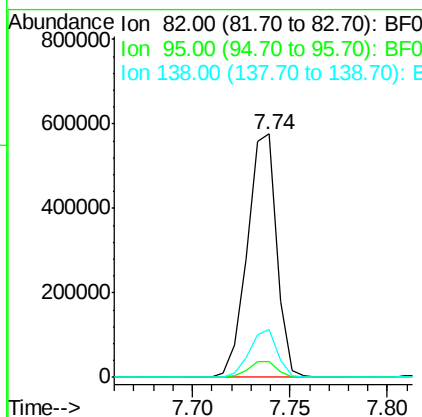
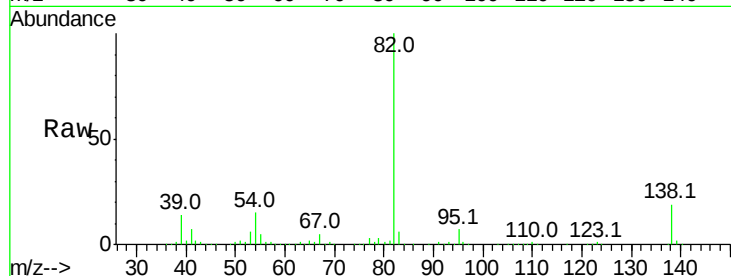
Tot Ion: 82 Resp: 601483

Ion Ratio Lower Upper

82 100

95 6.6 5.2 7.8

138 19.5 14.9 22.3



#26

2-Nitrophenol

Concen: 25.442 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

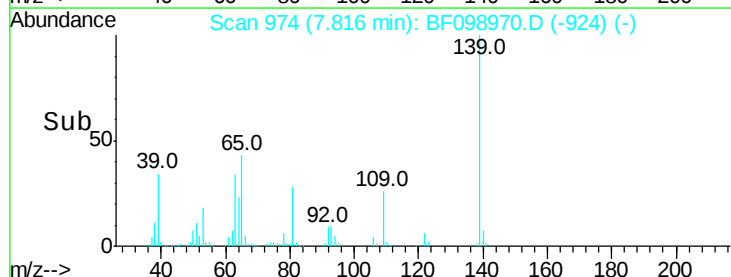
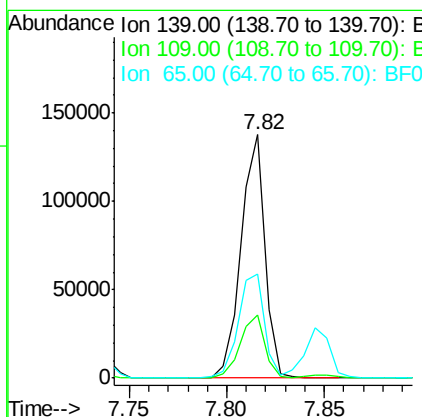
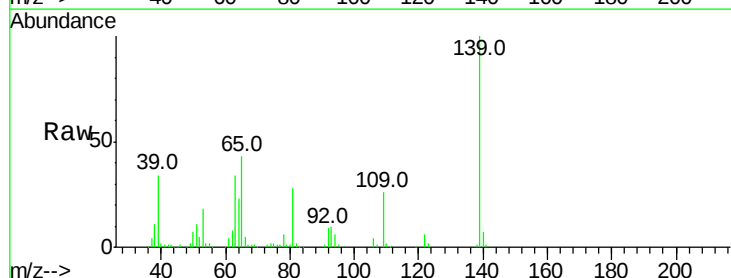
Tgt Ion: 139 Resp: 117195

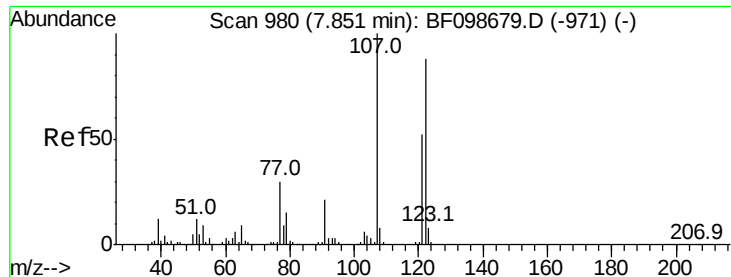
Ion Ratio Lower Upper

139 100

109 25.8 22.7 34.1

65 43.0 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 33.147 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

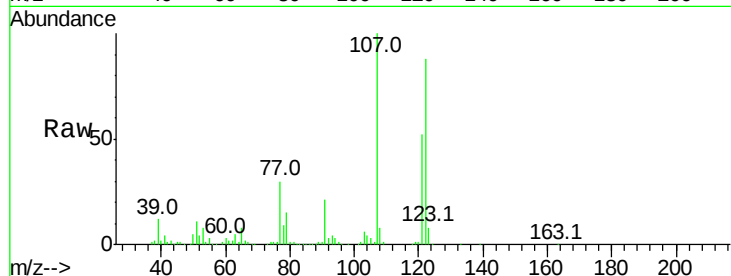
Tot Ion:122 Resp: 288345

Ion Ratio Lower Upper

122 100

107 114.2 91.2 136.8

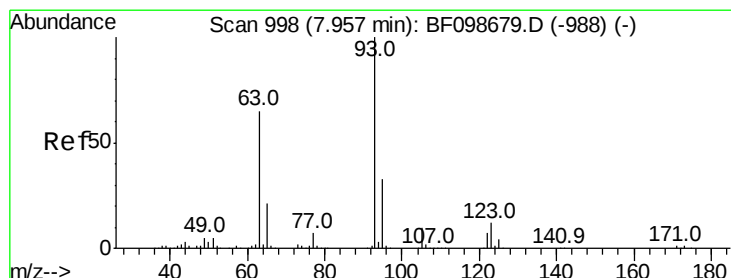
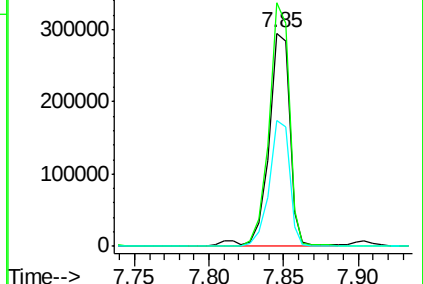
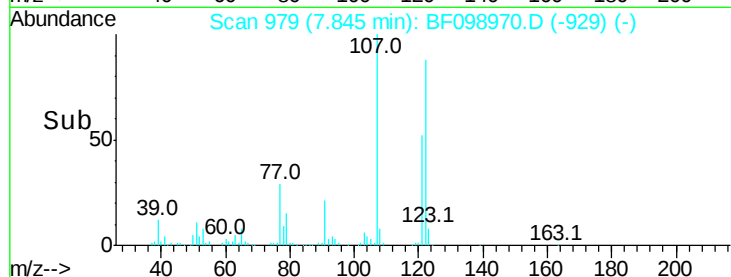
121 59.1 47.2 70.8



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: 36.471 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

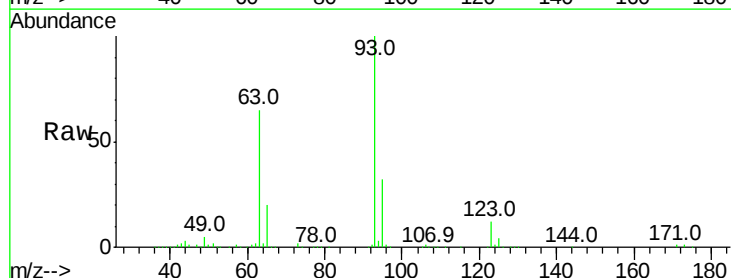
Tgt Ion: 93 Resp: 396800

Ion Ratio Lower Upper

93 100

95 32.2 26.3 39.5

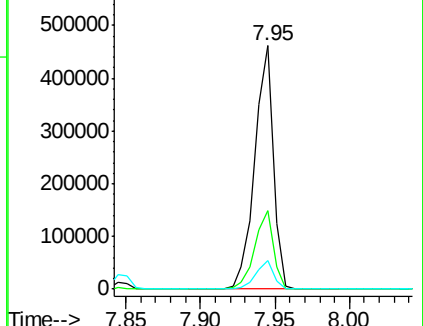
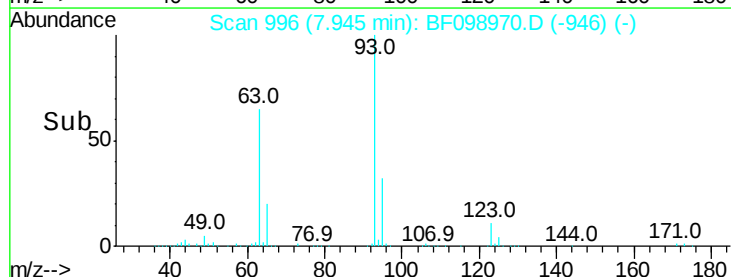
123 11.5 9.8 14.6

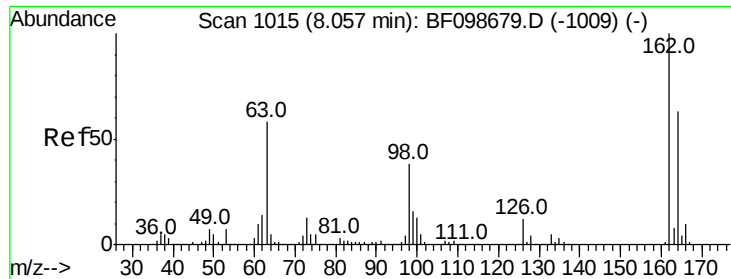


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

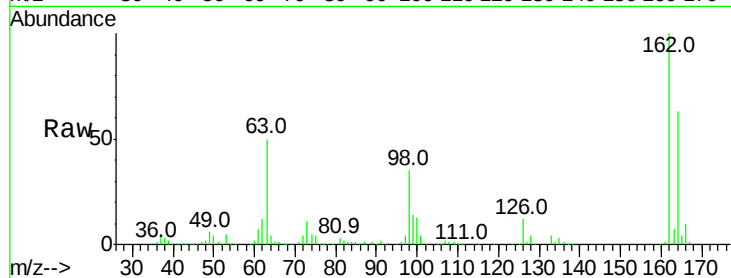




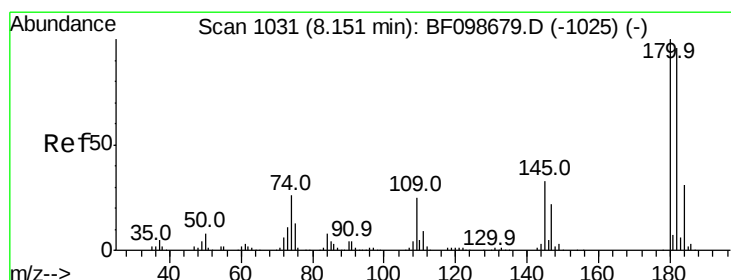
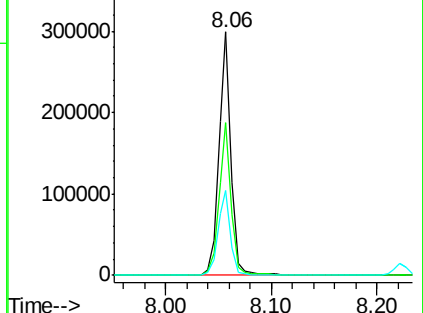
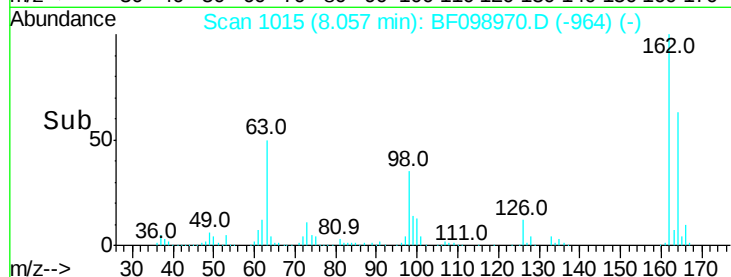
#29  
 2,4-Dichlorophenol  
 Concen: 32.510 ng  
 RT: 8.06 min Scan# 1015  
 Delta R.T. -0.00 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.9  | 42.7  | 82.7  |
| 98      | 34.9  | 18.1  | 58.1  |

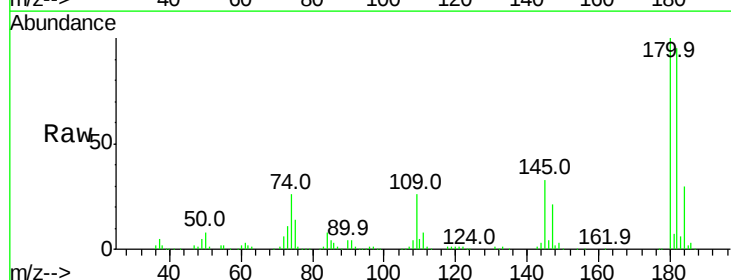


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

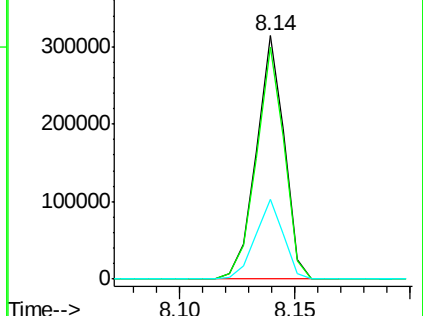
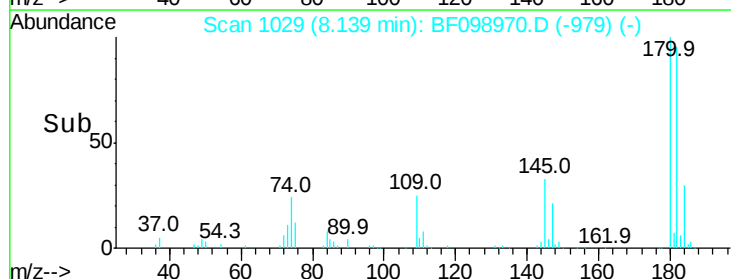


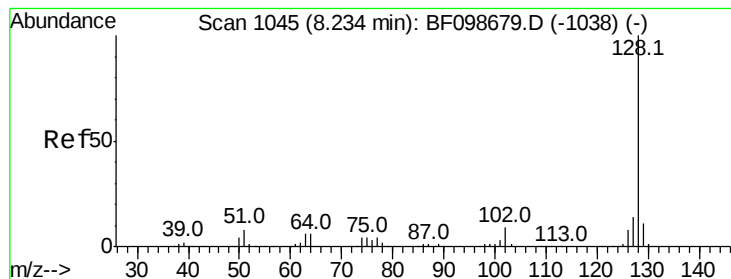
#30  
 1,2,4-Trichlorobenzene  
 Concen: 35.529 ng  
 RT: 8.14 min Scan# 1029  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 76.8  | 115.2 |
| 145     | 32.9  | 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: 37.638 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampled :

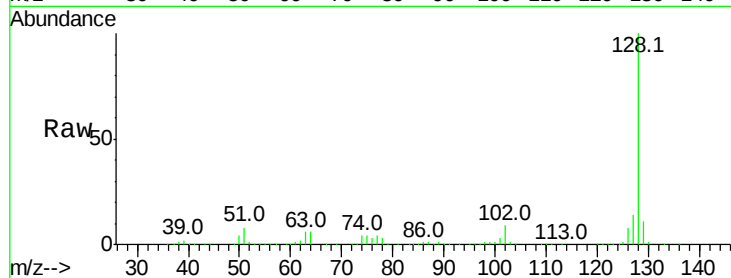
Tot Ion:128 Resp: 957282

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

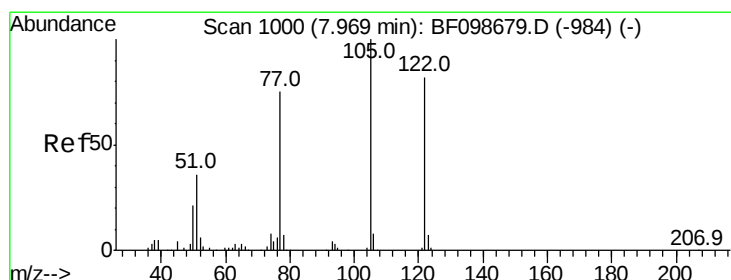
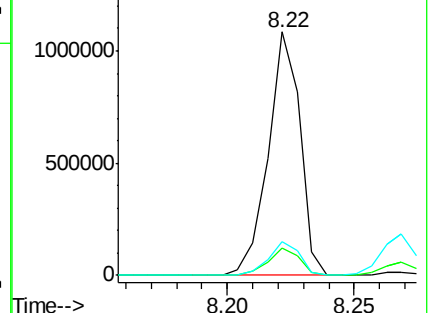
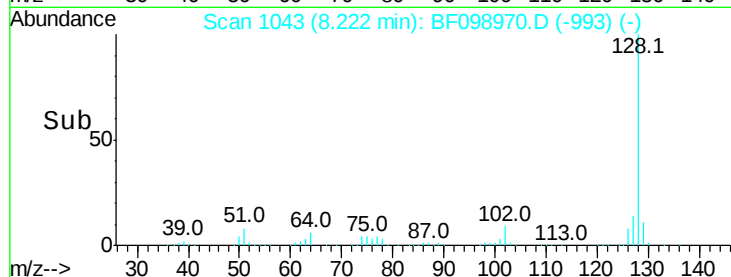
127 13.6 10.9 16.3



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: 40.353 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.13 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

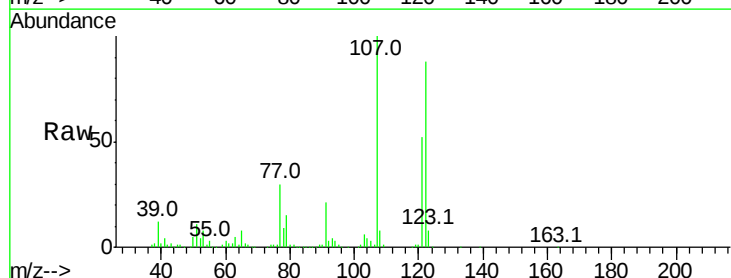
Tgt Ion:122 Resp: 288345

Ion Ratio Lower Upper

122 100

105 3.6 101.1 141.1#

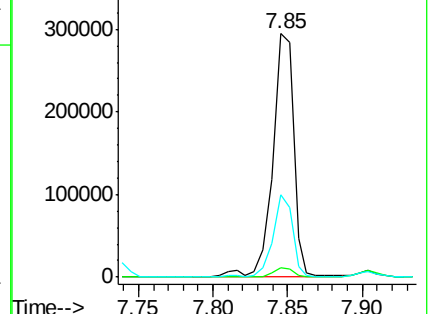
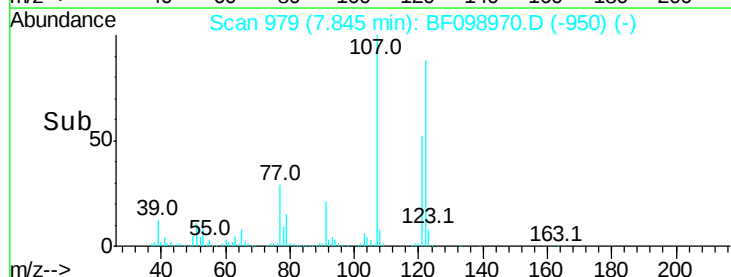
77 33.8 70.7 110.7#

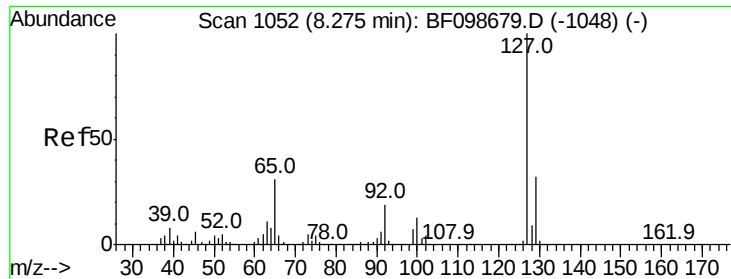


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

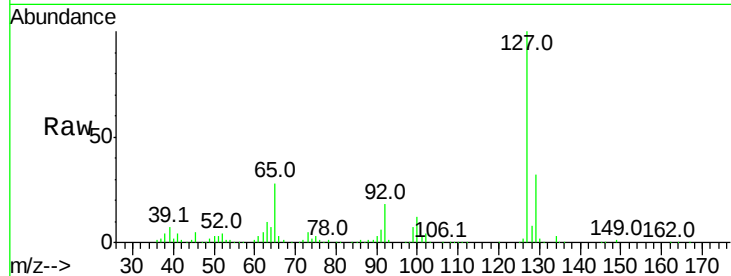




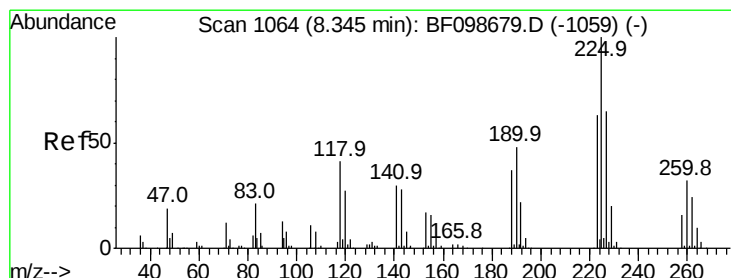
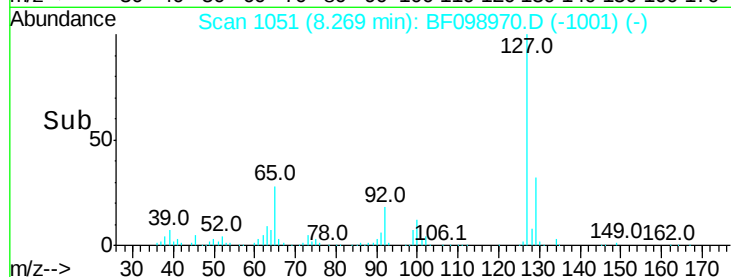
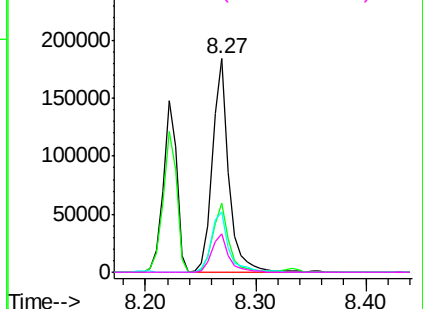
#33  
4-Chloroaniline  
Concen: 17.613 ng  
RT: 8.27 min Scan# 1051  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 187072 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.3  | 25.9  | 38.9   |
| 65       | 28.1  | 25.0  | 37.4   |
| 92       | 18.1  | 15.2  | 22.8   |

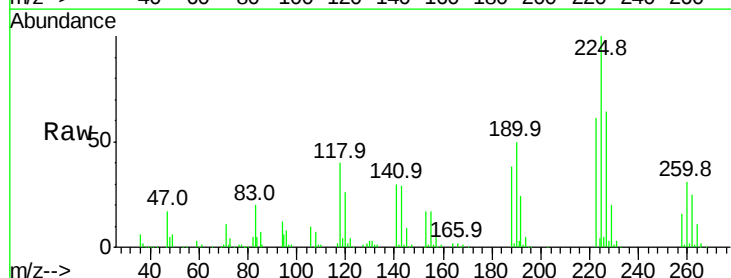


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

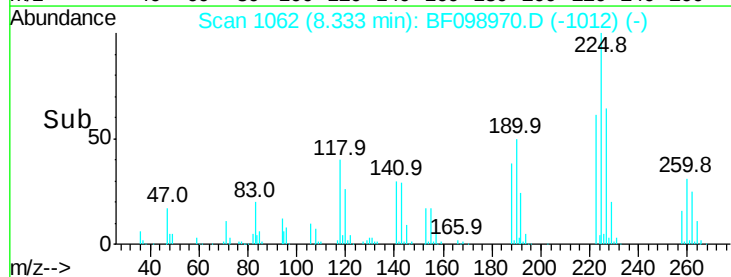
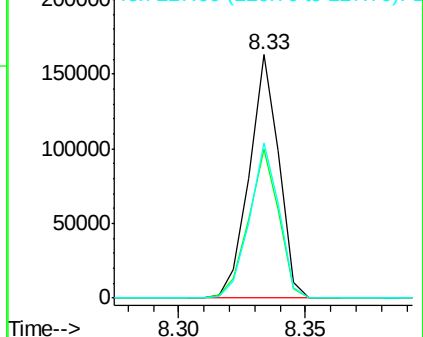


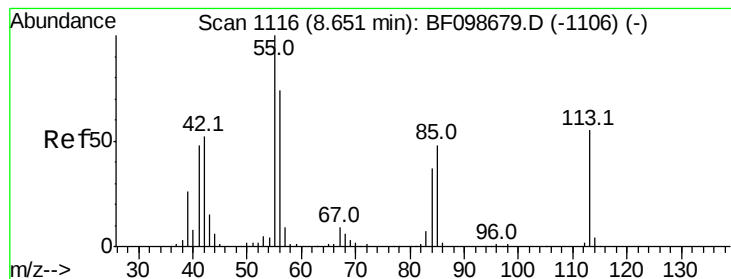
#34  
Hexachlorobutadiene  
Concen: 34.380 ng  
RT: 8.33 min Scan# 1062  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 132281 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.3  | 50.6  | 76.0   |
| 227      | 63.6  | 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: 28.587 ng

RT: 8.63 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

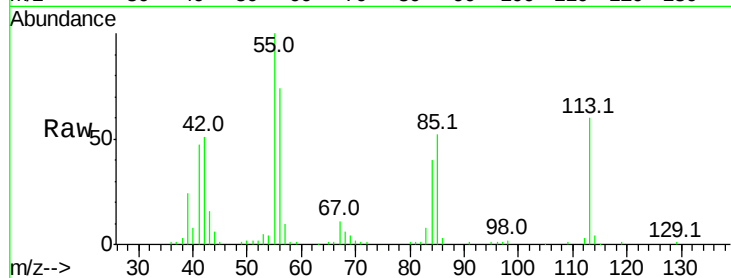
Tot Ion:113 Resp: 68488

Ion Ratio Lower Upper

113 100

55 165.4 163.3 203.3

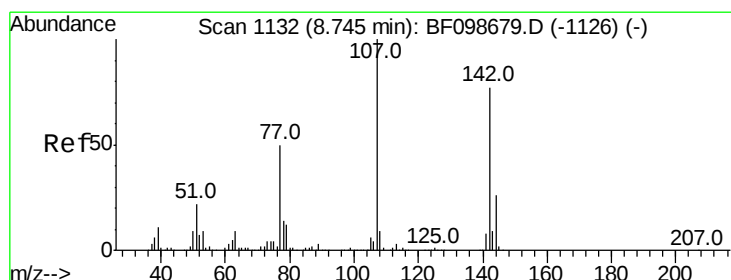
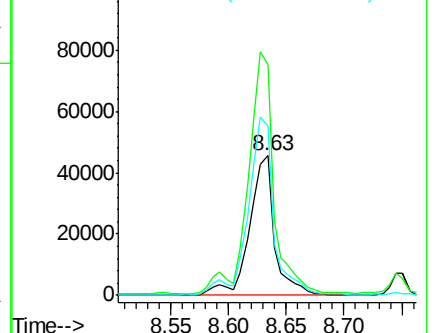
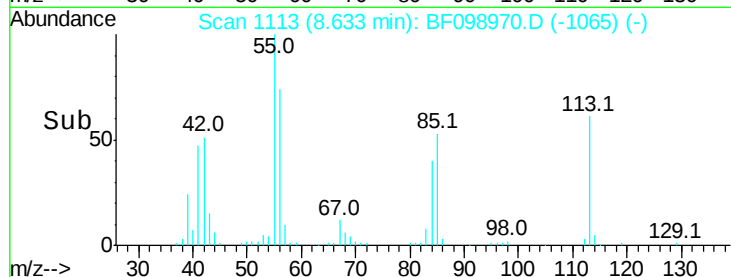
56 121.8 115.7 155.7



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: 28.388 ng

RT: 8.75 min Scan# 1132

Delta R.T. -0.00 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

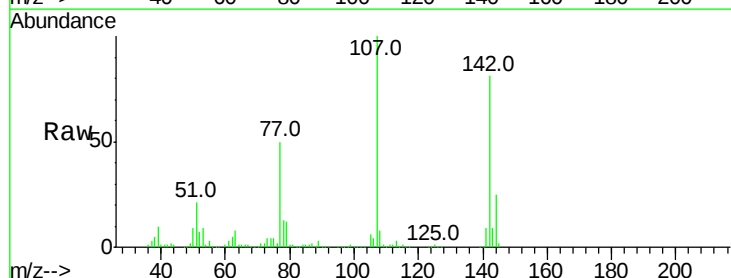
Tgt Ion:107 Resp: 238312

Ion Ratio Lower Upper

107 100

144 25.2 20.5 30.7

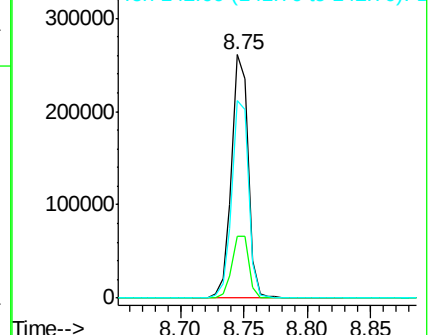
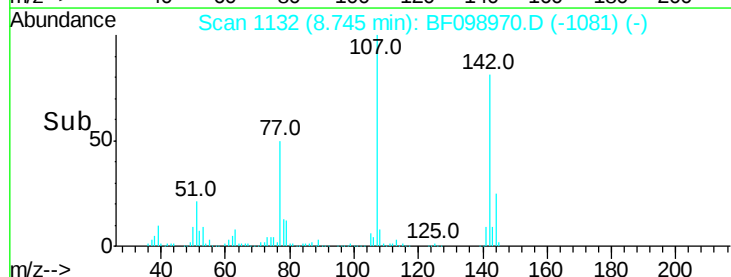
142 80.9 62.0 93.0

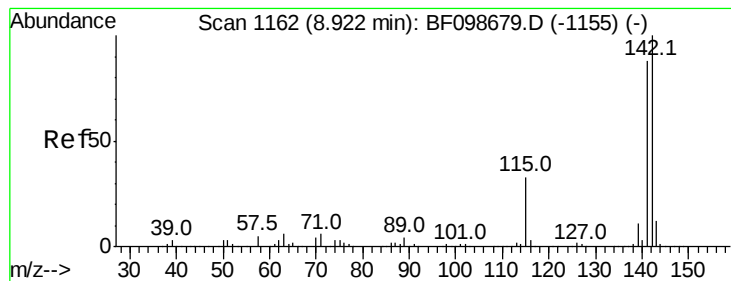


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

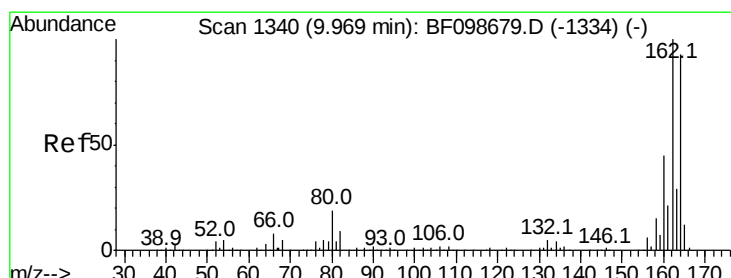
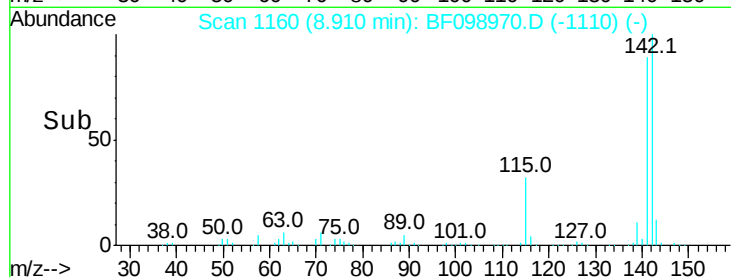
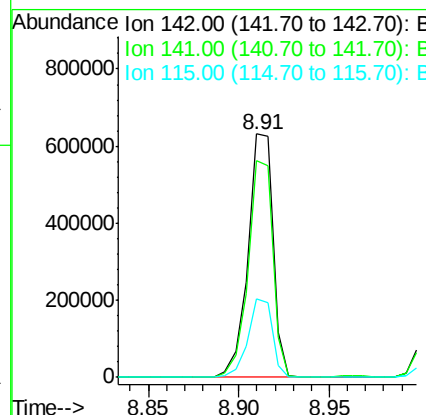
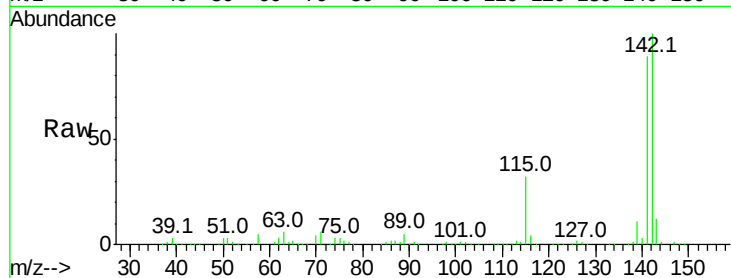




#37  
 2-Methylnaphthalene  
 Concen: 36.574 ng  
 RT: 8.91 min Scan# 1160  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

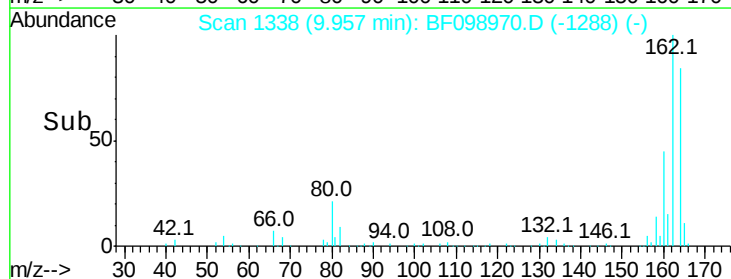
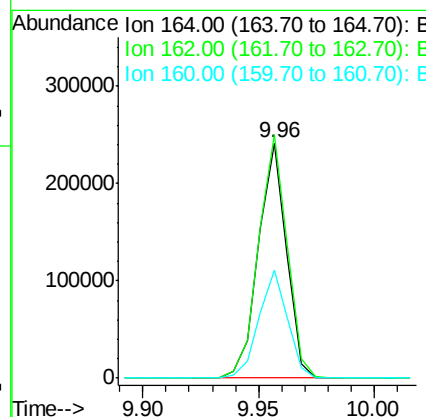
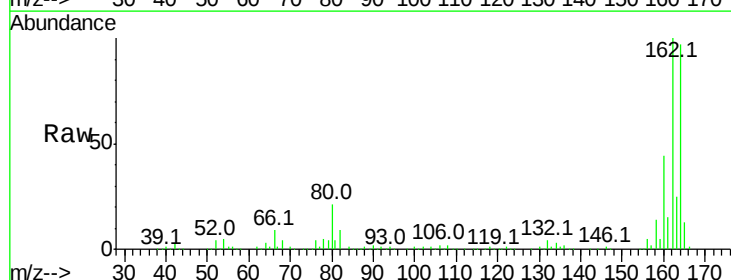
Instrument :  
 BNA\_F  
 ClientSampleId :

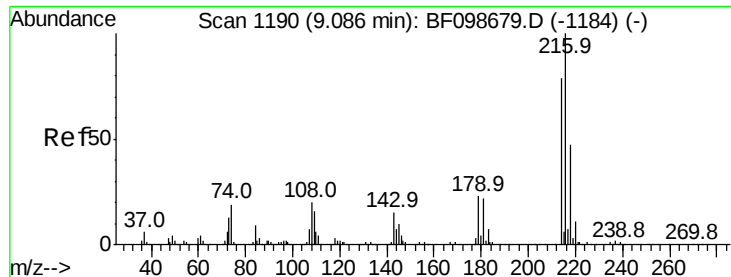
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.1  | 70.8  | 106.2 |
| 115     | 32.0  | 26.1  | 39.1  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.96 min Scan# 1338  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.5 | 86.1  | 129.1 |
| 160     | 45.9  | 38.3  | 57.5  |

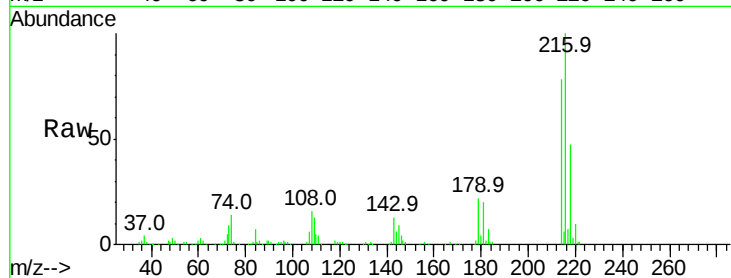




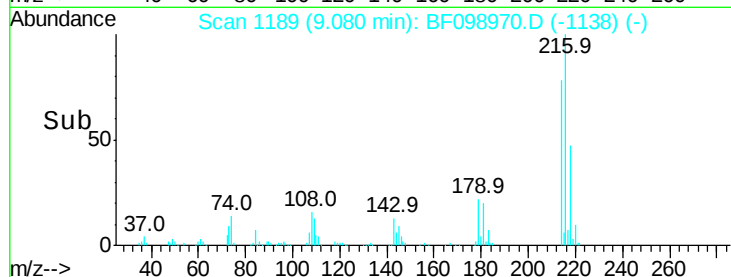
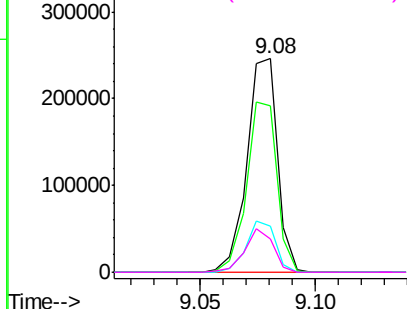
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 37.193 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.00 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 228512 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 79.2  | 63.0  | 94.4   |
| 179      | 23.0  | 18.1  | 27.1   |
| 108      | 19.3  | 17.2  | 25.8   |

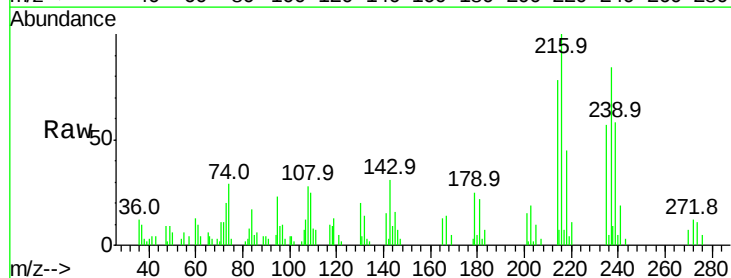
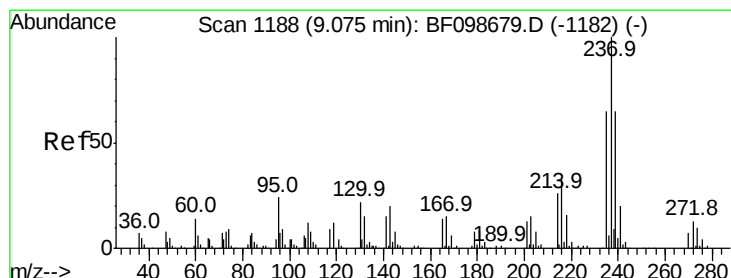


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

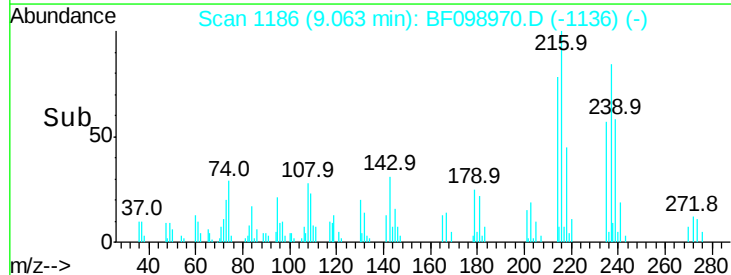
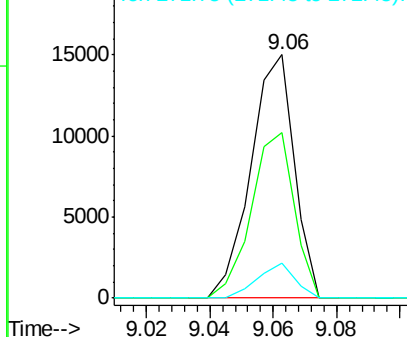


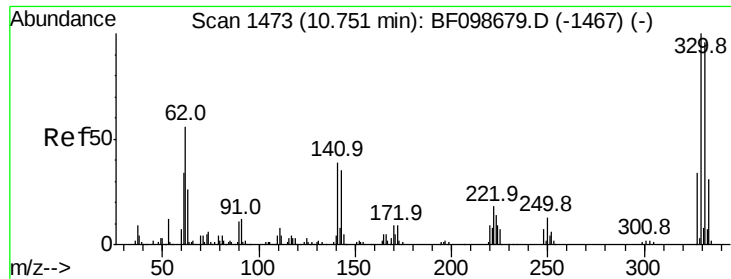
#40  
 Hexachlorocyclopentadiene  
 Concen: 5.079 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 14262 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 68.0  | 44.8  | 84.8  |
| 272      | 14.6  | 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

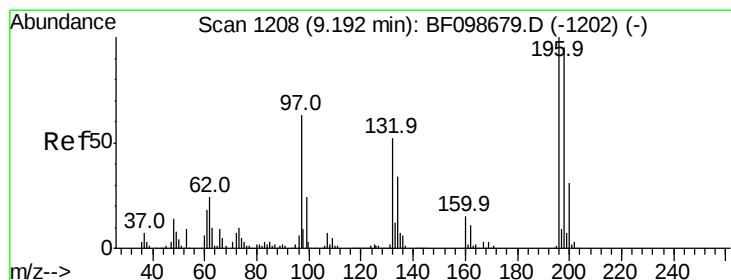
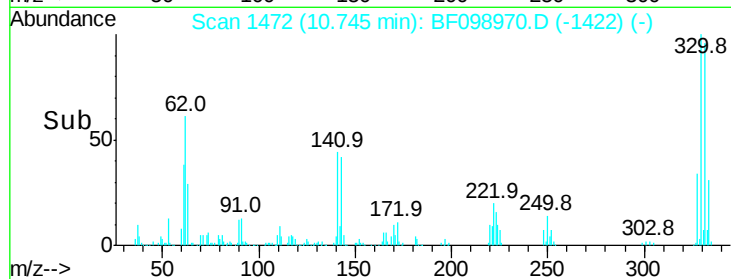
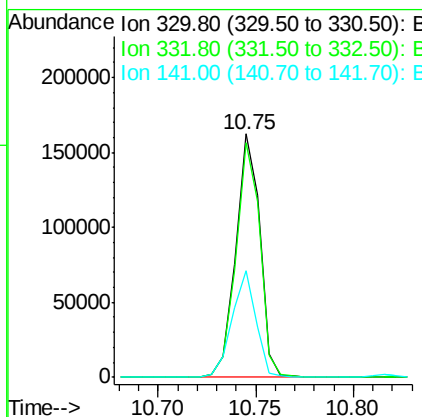
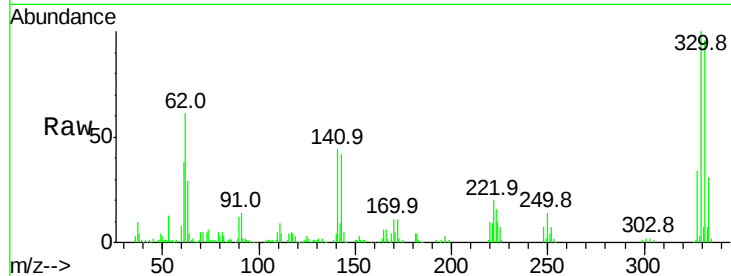




#41  
 2,4,6-Tribromophenol  
 Concen: 82.665 ng  
 RT: 10.75 min Scan# 1472  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

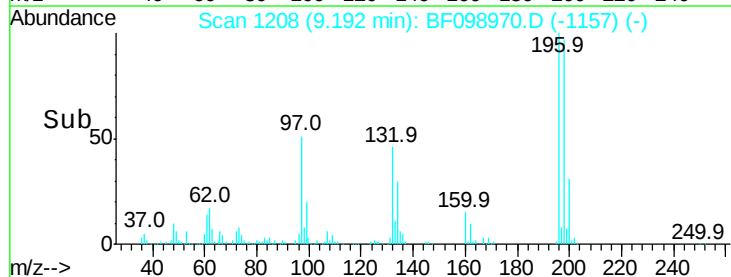
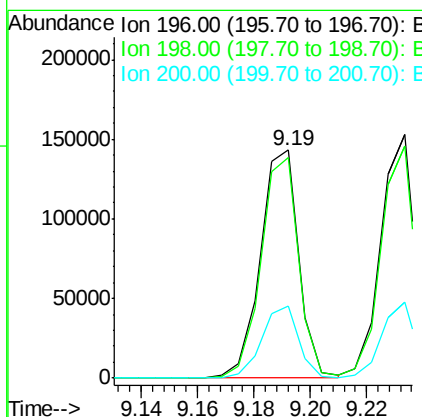
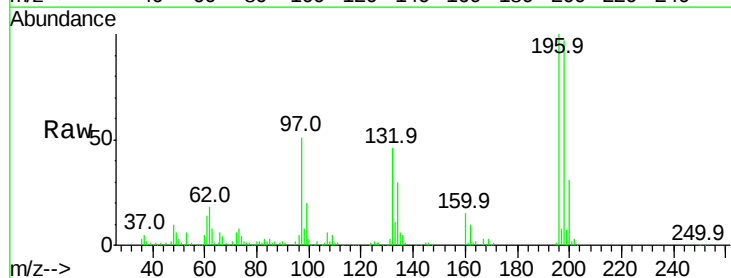
Instrument :  
 BNA\_F  
 ClientSampleId :

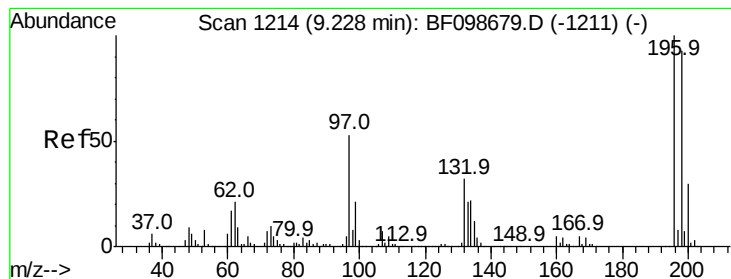
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.0  | 115.6 |
| 141     | 44.2  | 29.9  | 44.9  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 31.005 ng  
 RT: 9.19 min Scan# 1208  
 Delta R.T. -0.00 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.6  | 75.7  | 113.5 |
| 200     | 31.5  | 24.5  | 36.7  |





#43

2,4,5-Trichlorophenol

Concen: 30.536 ng

RT: 9.23 min Scan# 1215

Delta R.T. 0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampled :

Tot Ion:196 Resp: 132680

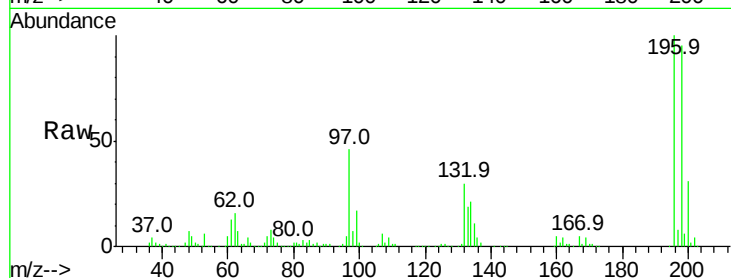
Ion Ratio Lower Upper

196 100

198 95.4 74.6 112.0

97 45.6 42.9 64.3

132 29.7 26.3 39.5

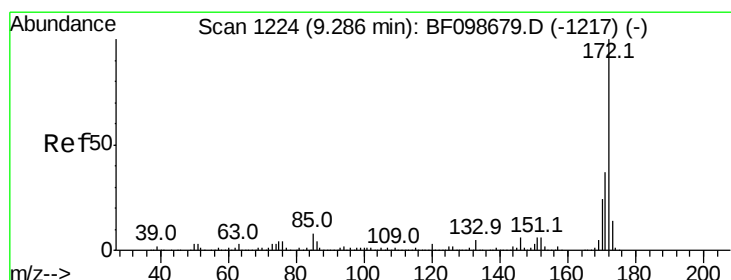
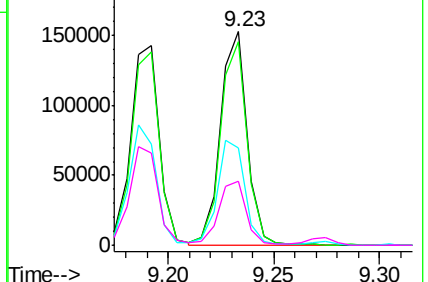
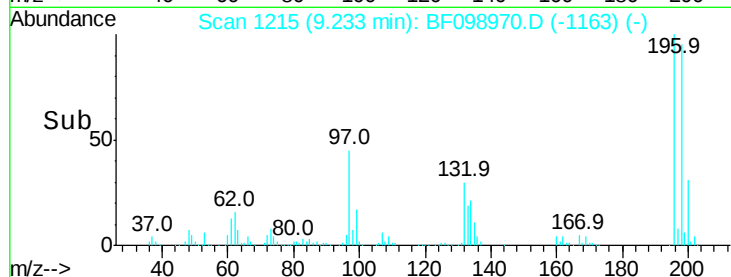


Abundance Ion 196.00 (195.70 to 196.70): E

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: 83.029 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

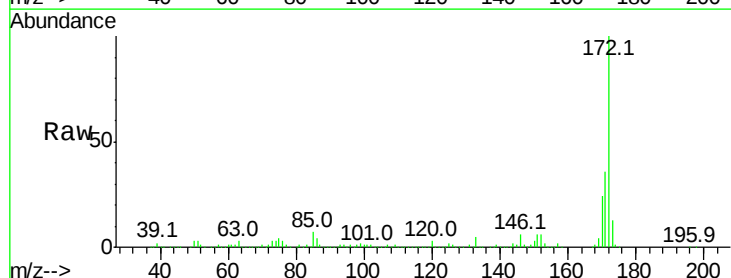
Tgt Ion:172 Resp: 1024634

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

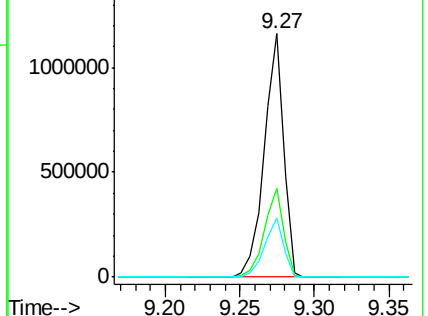
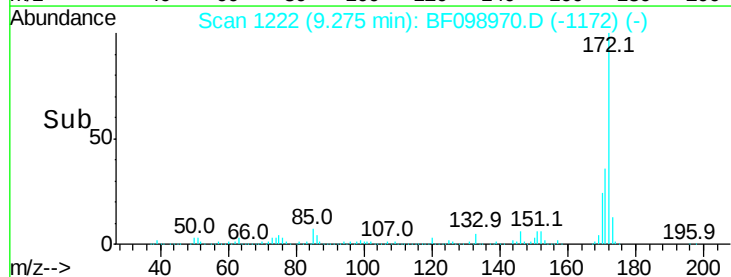
170 24.2 19.6 29.4

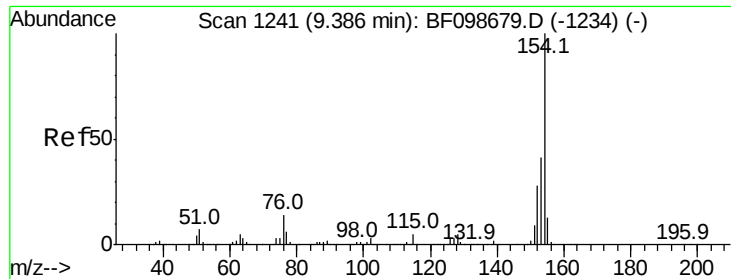


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 37.284 ng

RT: 9.37 min Scan# 1239

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

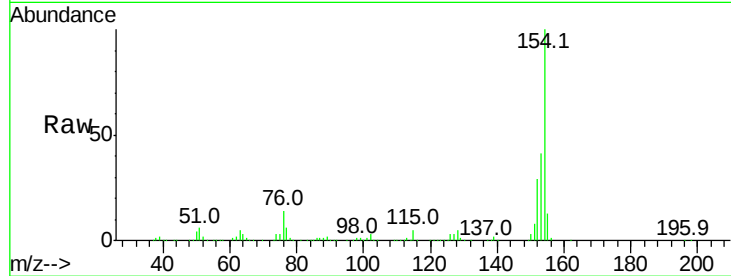
Tot Ion:154 Resp: 660148

Ion Ratio Lower Upper

154 100

153 41.4 21.3 61.3

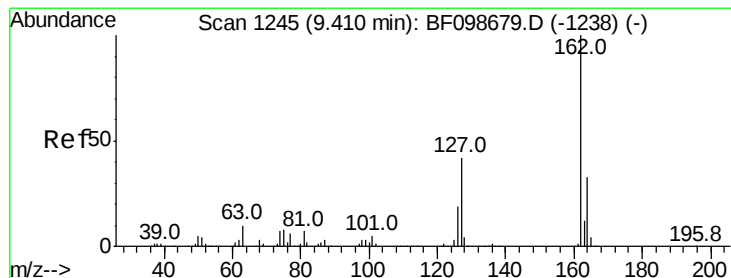
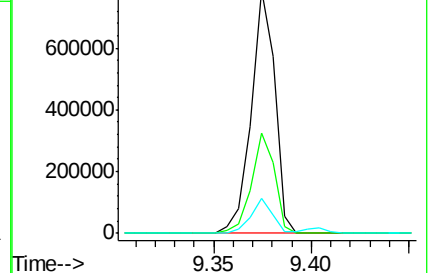
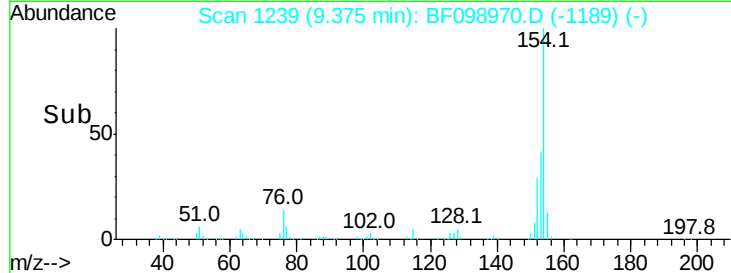
76 14.2 0.0 34.0



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: 37.639 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

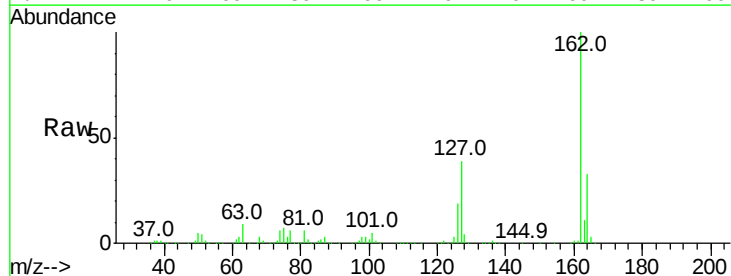
Tgt Ion:162 Resp: 500375

Ion Ratio Lower Upper

162 100

127 39.3 33.9 50.9

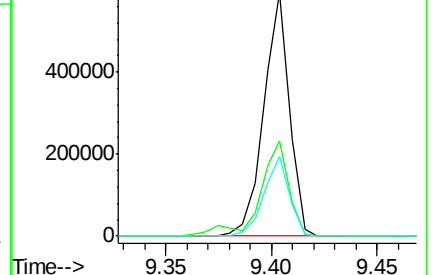
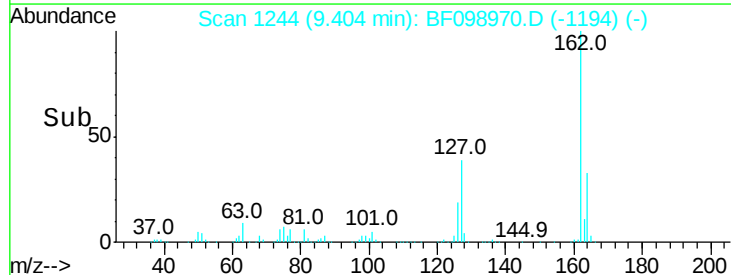
164 32.8 26.5 39.7



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

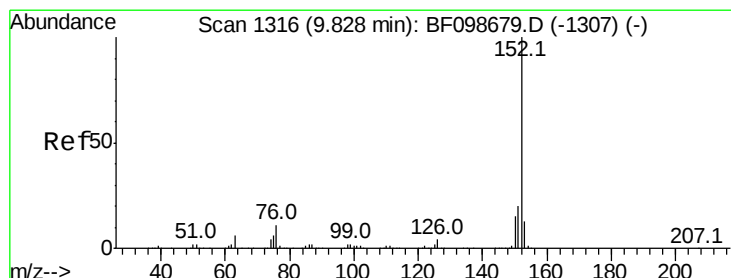
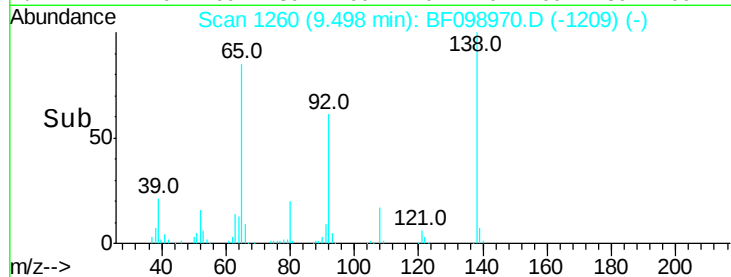
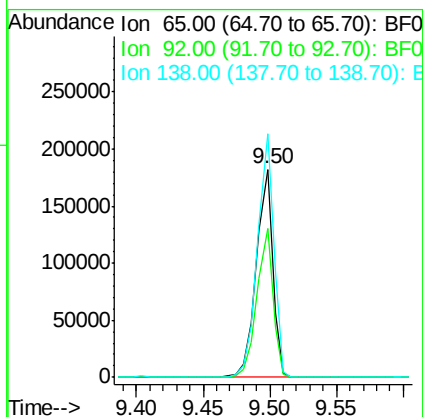
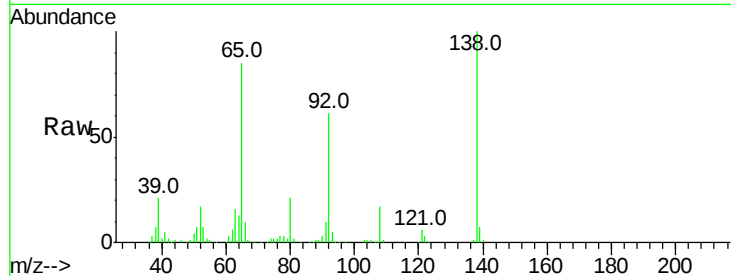




#47  
2-Nitroaniline  
Concen: 38.128 ng  
RT: 9.50 min Scan# 1260  
Delta R.T. -0.00 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

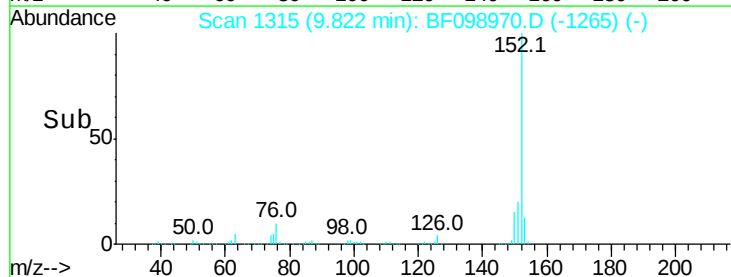
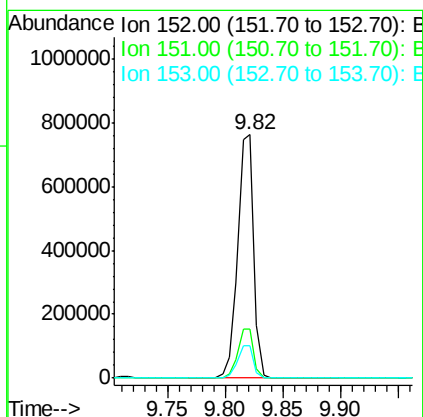
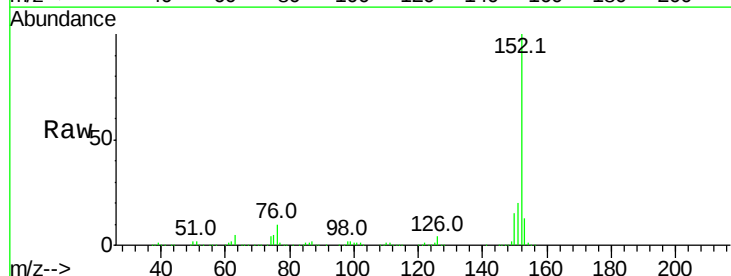
Instrument :  
BNA\_F  
ClientSampleId :

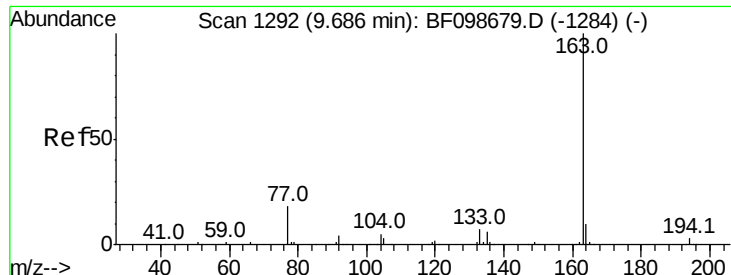
Tot Ion: 65 Resp: 155207  
Ion Ratio Lower Upper  
65 100  
92 71.3 55.8 83.6  
138 117.1 91.2 136.8



#48  
Acenaphthylene  
Concen: 35.985 ng  
RT: 9.82 min Scan# 1315  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Tgt Ion: 152 Resp: 732322  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.3 24.5  
153 13.4 10.7 16.1

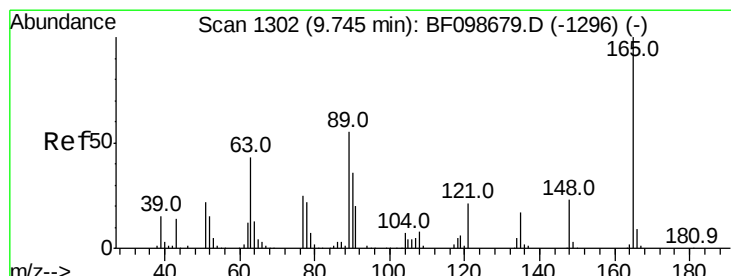
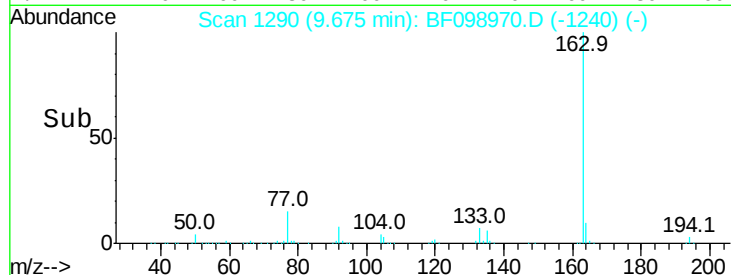
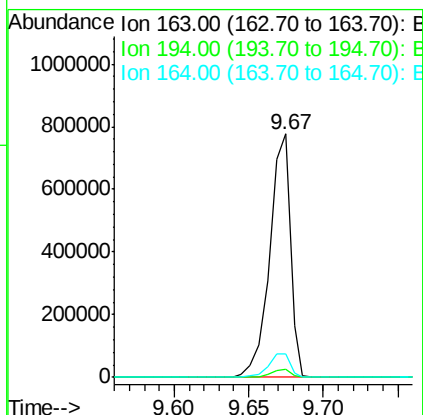
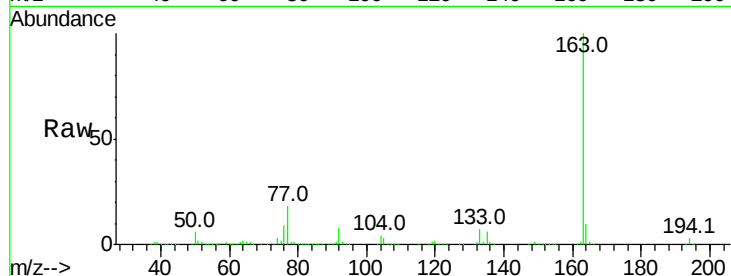




#49  
 Dimethylphthalate  
 Concen: 47.836 ng  
 RT: 9.67 min Scan# 1290  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

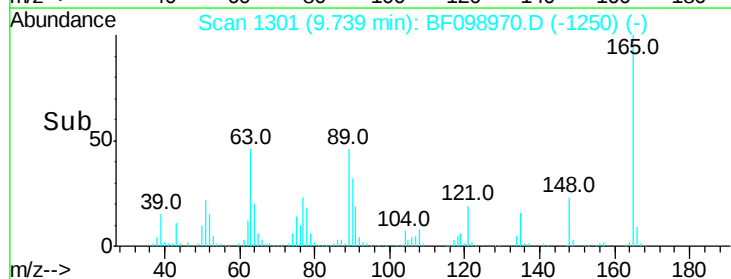
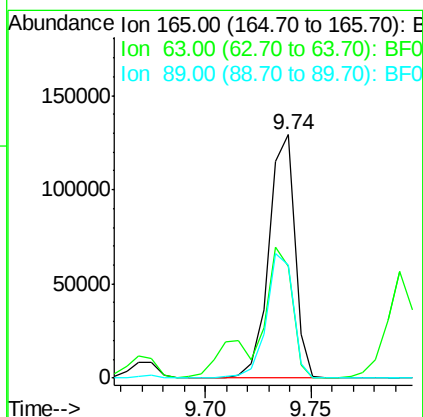
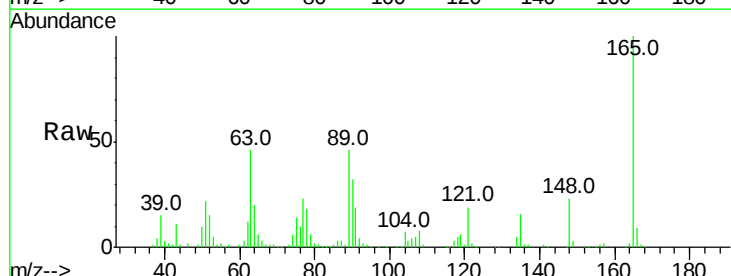
Instrument :  
 BNA\_F  
 ClientSampled :

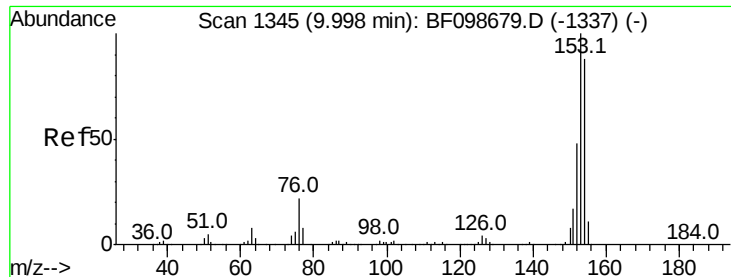
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.5   | 2.7   | 4.1   |
| 164     | 9.8   | 8.2   | 12.2  |



#50  
 2,6-Dinitrotoluene  
 Concen: 32.781 ng  
 RT: 9.74 min Scan# 1301  
 Delta R.T. -0.00 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 46.1  | 44.7  | 67.1  |
| 89      | 46.4  | 44.0  | 66.0  |





#51

Acenaphthene

Concen: 33.823 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

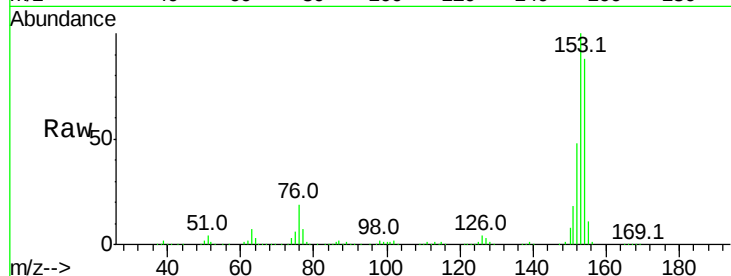
Tot Ion:154 Resp: 436020

Ion Ratio Lower Upper

154 100

153 113.2 91.2 136.8

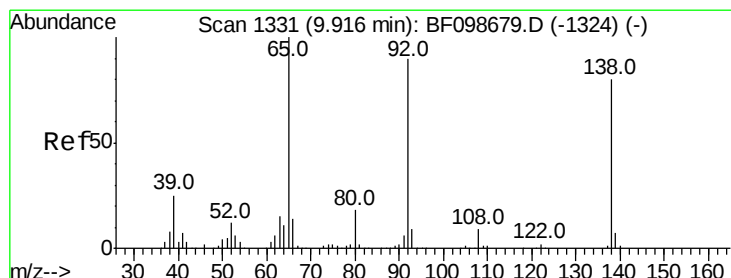
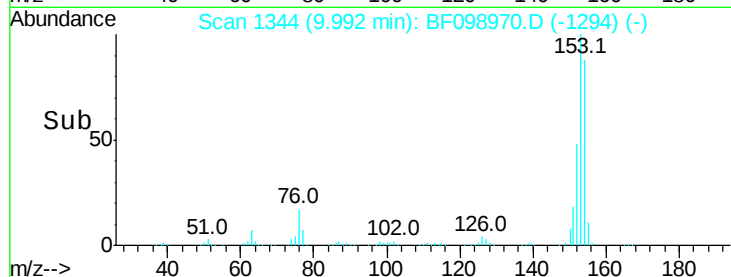
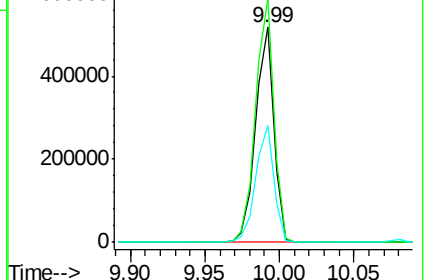
152 54.4 43.8 65.8



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: 33.064 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

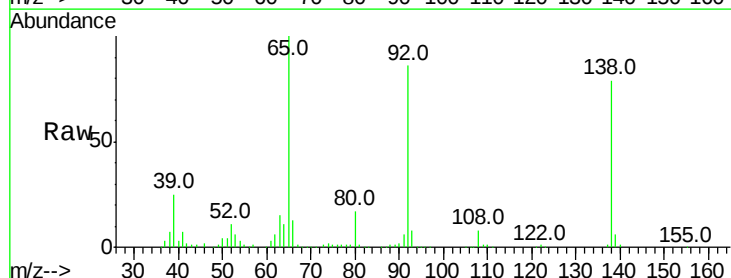
Tgt Ion:138 Resp: 130506

Ion Ratio Lower Upper

138 100

108 10.0 9.4 14.0

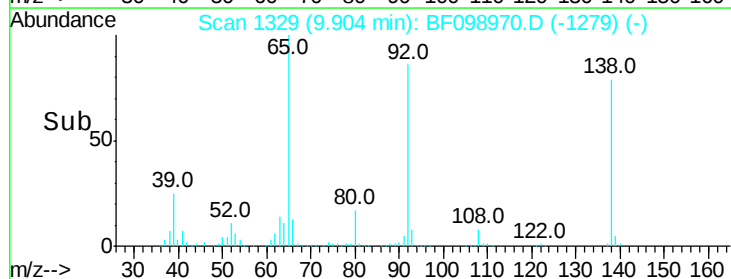
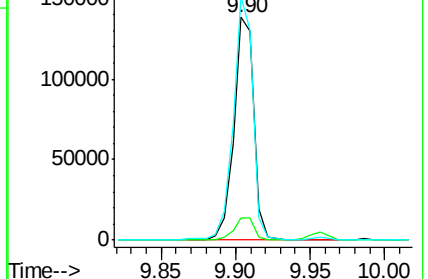
92 109.2 89.4 134.2



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

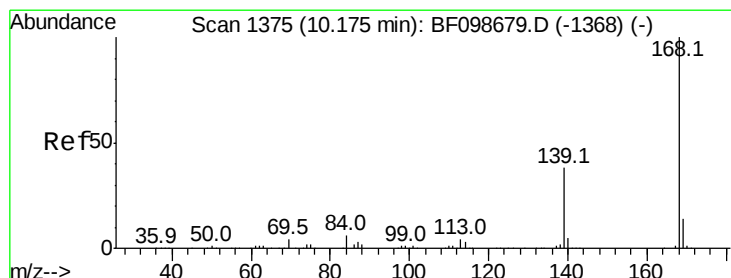
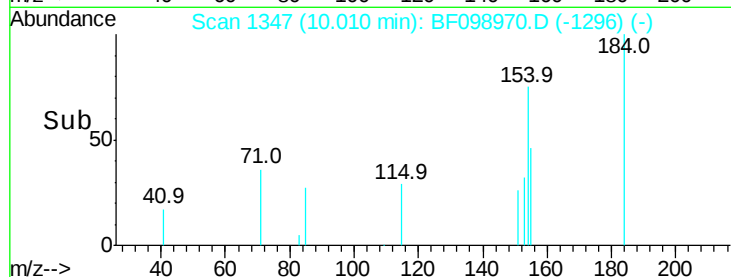
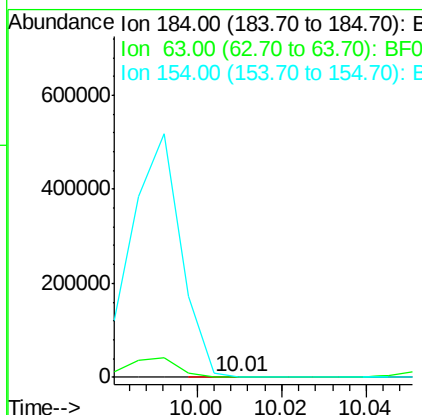
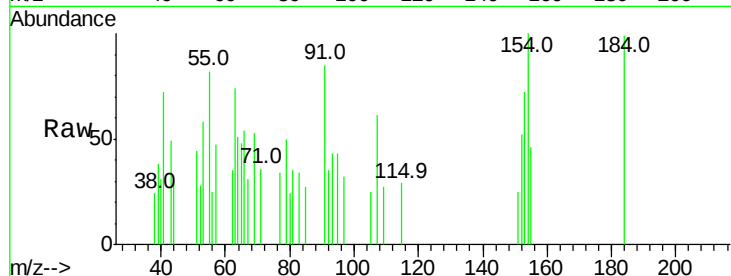




#53  
2,4-Dinitrophenol  
Concen: 6.345 ng  
RT: 10.01 min Scan# 1347  
Delta R.T. 0.00 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

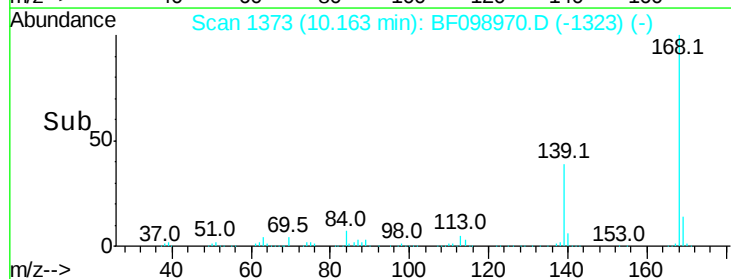
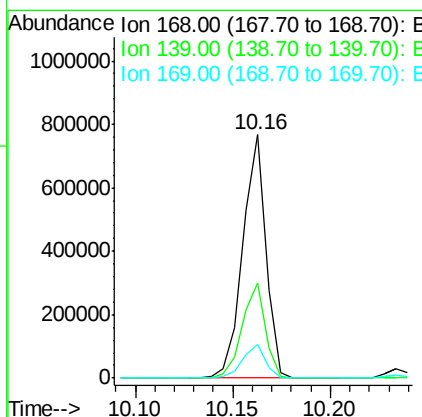
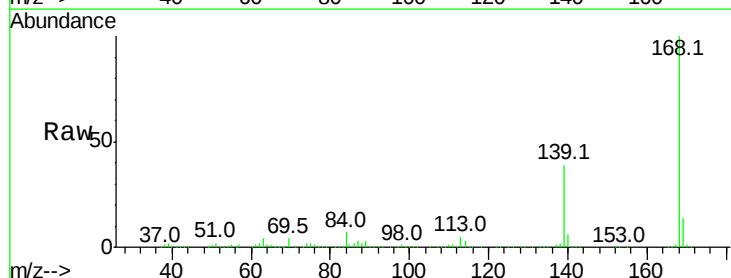
Instrument :  
BNA\_F  
ClientSampleId :

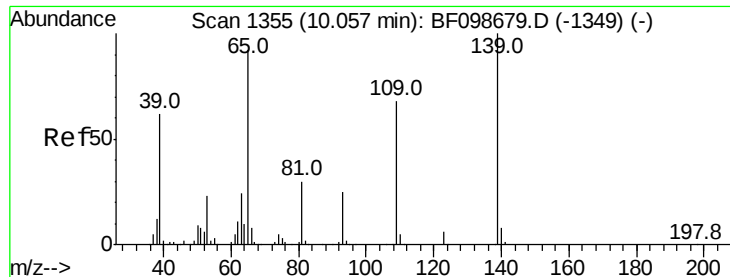
Tot Ion:184 Resp: 983  
Ion Ratio Lower Upper  
184 100  
63 74.9 54.2 81.2  
154 101.3 53.5 80.3#



#54  
Dibenzofuran  
Concen: 36.766 ng  
RT: 10.16 min Scan# 1373  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Tgt Ion:168 Resp: 631068  
Ion Ratio Lower Upper  
168 100  
139 39.2 30.1 45.1  
169 13.6 10.9 16.3

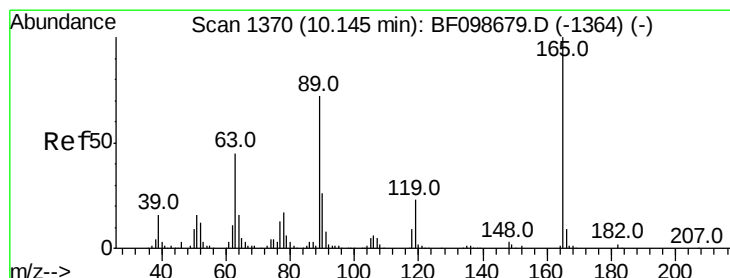
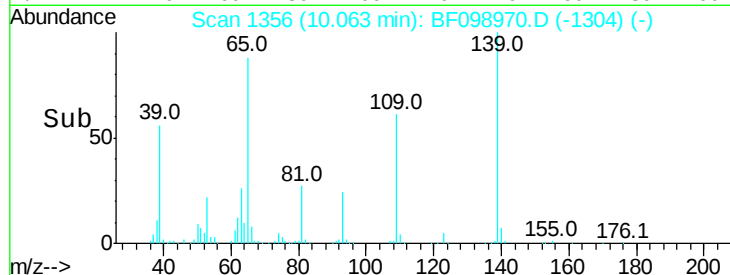
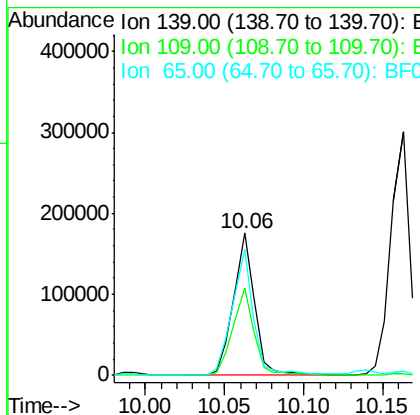
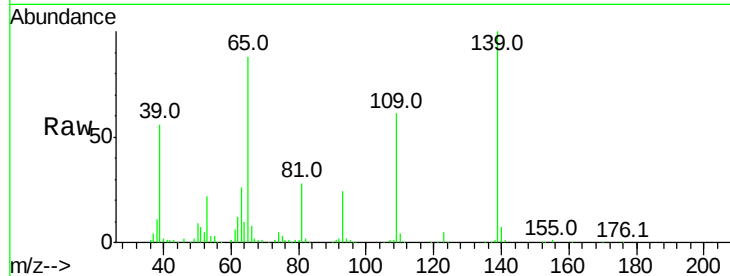




#55  
4-Nitrophenol  
Concen: 49.221 ng  
RT: 10.06 min Scan# 1356  
Delta R.T. 0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

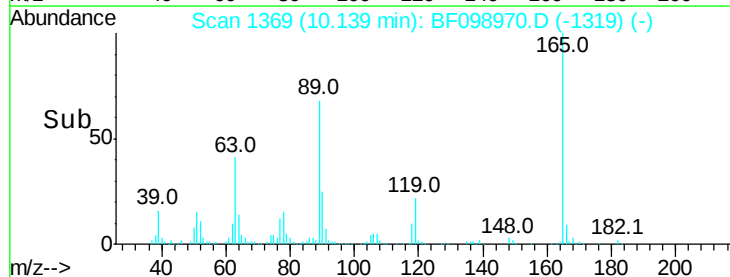
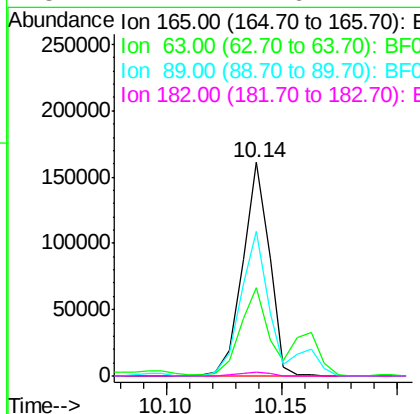
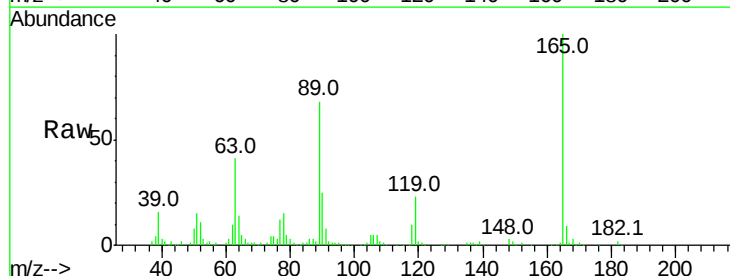
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:139 Resp: 164277  
Ion Ratio Lower Upper  
139 100  
109 61.4 48.4 88.4  
65 88.2 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 29.676 ng  
RT: 10.14 min Scan# 1369  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Tgt Ion:165 Resp: 130377  
Ion Ratio Lower Upper  
165 100  
63 41.4 36.4 54.6  
89 67.9 57.8 86.6  
182 2.1 1.6 2.4





#57

Fluorene

Concen: 34.372 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

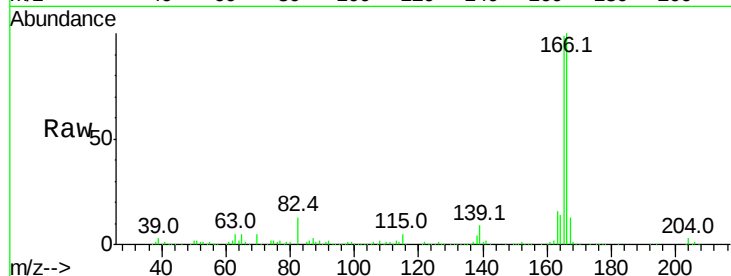
Tot Ion:166 Resp: 474189

Ion Ratio Lower Upper

166 100

165 98.6 79.8 119.8

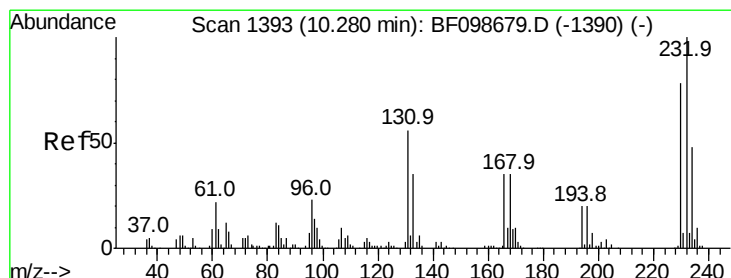
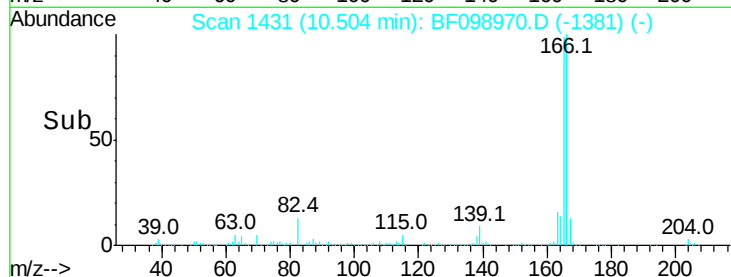
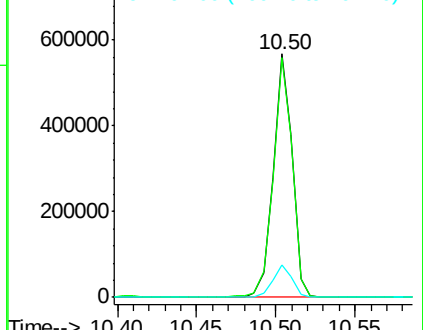
167 13.4 10.6 16.0



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: 29.647 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Tgt Ion:232 Resp: 88985

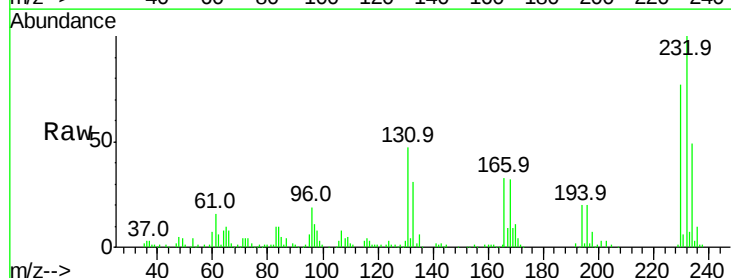
Ion Ratio Lower Upper

232 100

131 55.8 43.8 65.8

130 3.4 2.1 3.1#

166 37.3 27.8 41.6

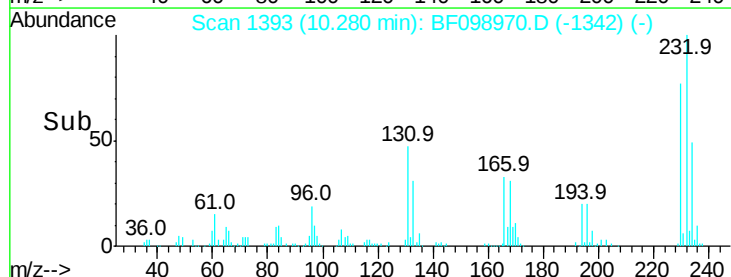
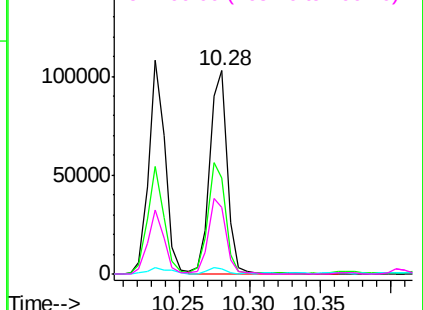


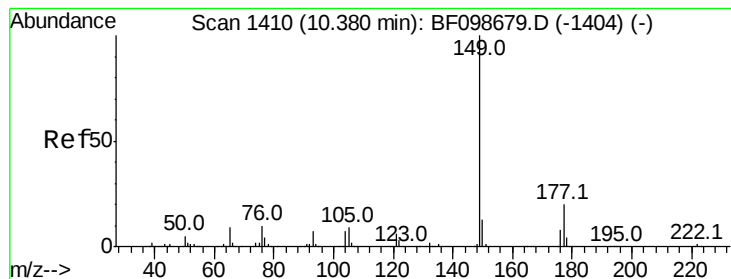
Abundance Ion 232.00 (231.70 to 232.70): E

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: 36.455 ng

RT: 10.37 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampled :

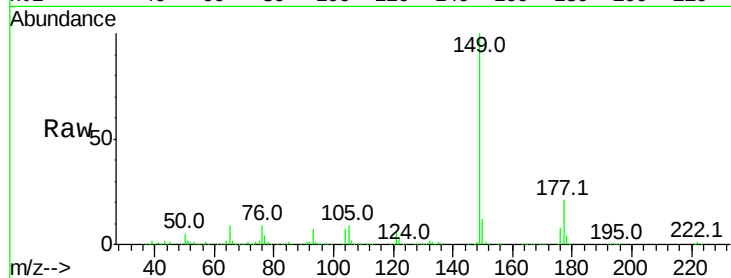
Tot Ion:149 Resp: 553893

Ion Ratio Lower Upper

149 100

177 20.7 16.1 24.1

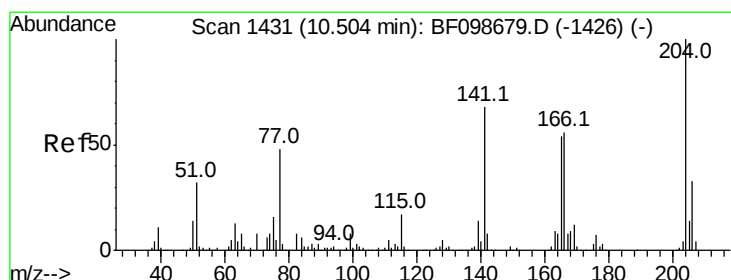
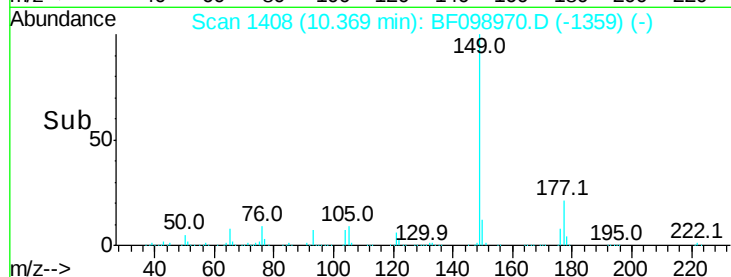
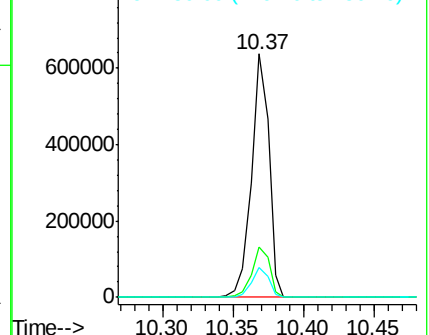
150 12.3 10.1 15.1



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: 34.511 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

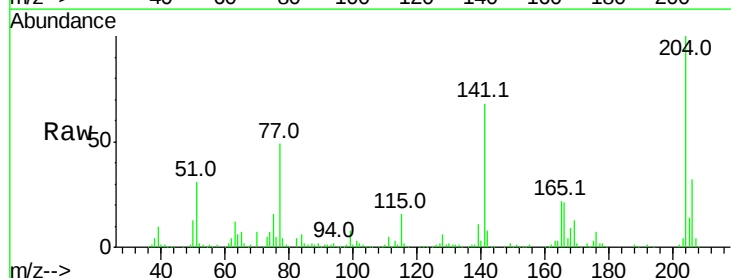
Tgt Ion:204 Resp: 213870

Ion Ratio Lower Upper

204 100

206 32.4 26.5 39.7

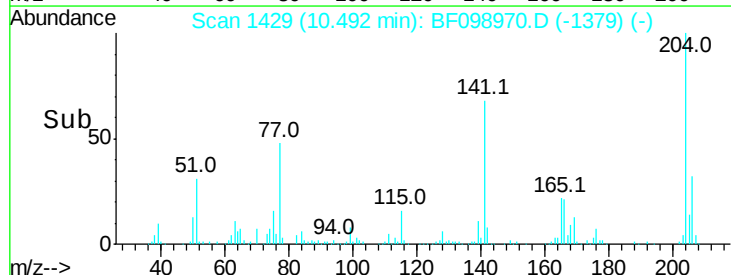
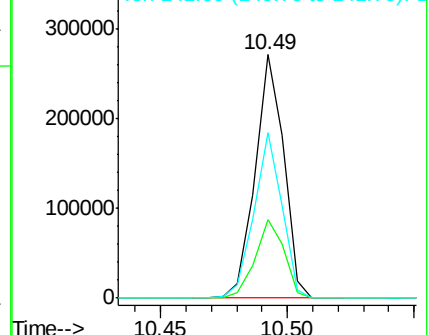
141 68.1 54.6 81.8

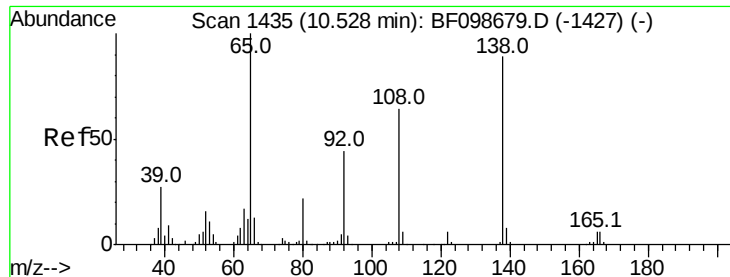


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 33.849 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

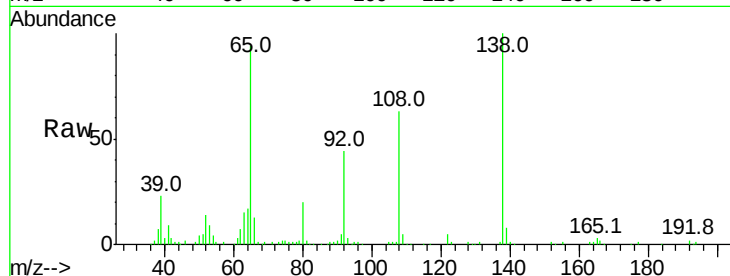
Tot Ion:138 Resp: 128898

Ion Ratio Lower Upper

138 100

92 44.0 30.2 70.2

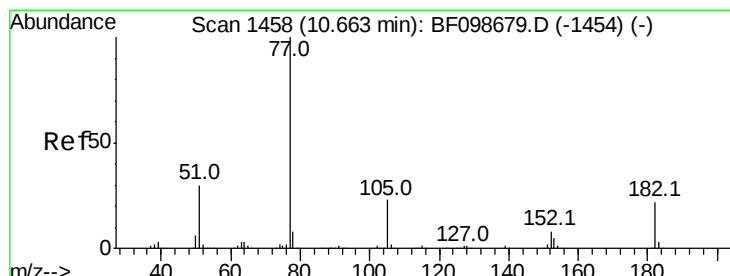
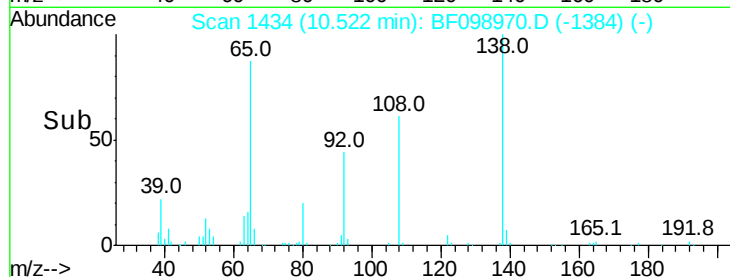
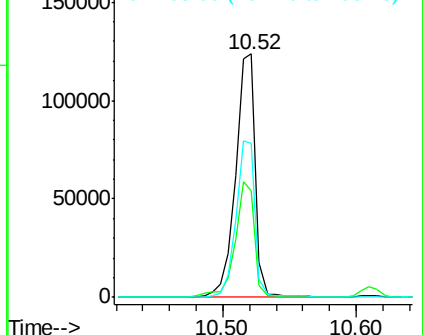
108 63.0 52.5 92.5



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: 33.783 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Tgt Ion: 77 Resp: 471960

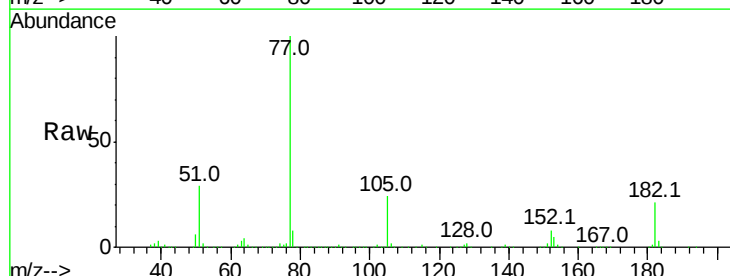
Ion Ratio Lower Upper

77 100

182 21.4 1.7 41.7

105 23.5 3.0 43.0

51 28.6 9.9 49.9

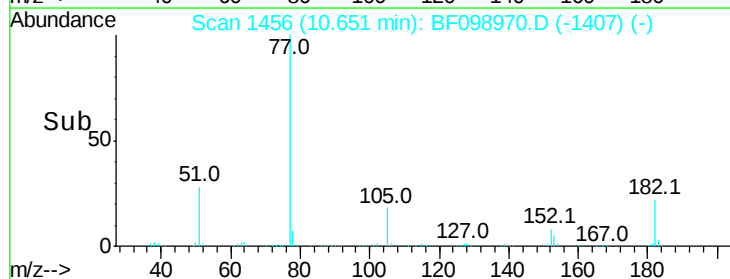
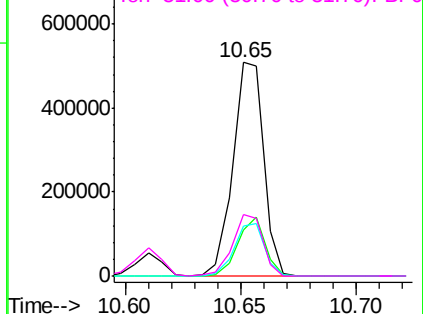


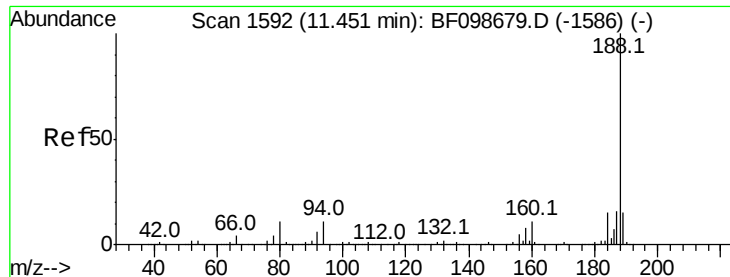
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

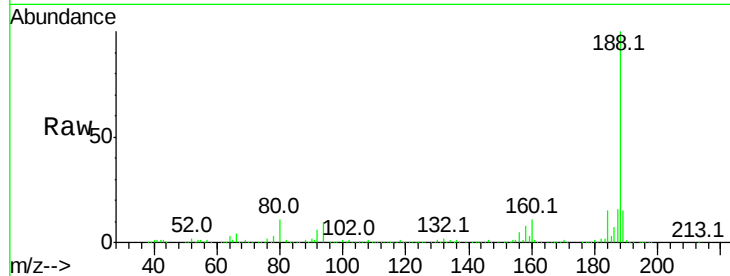




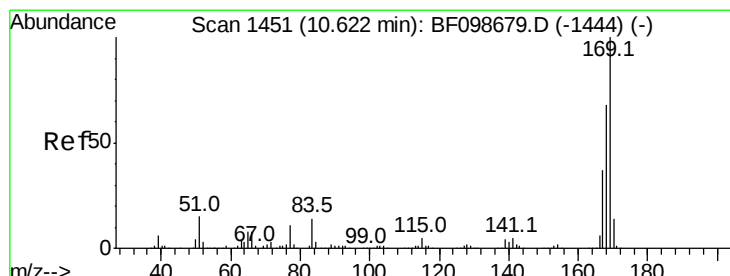
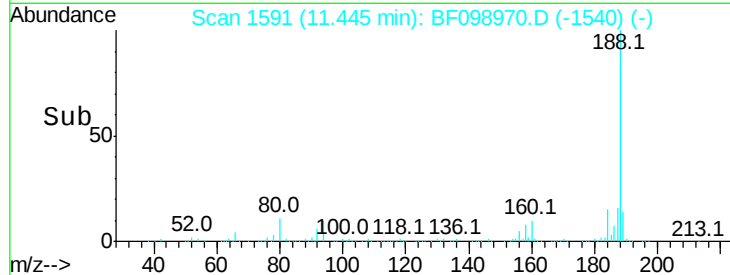
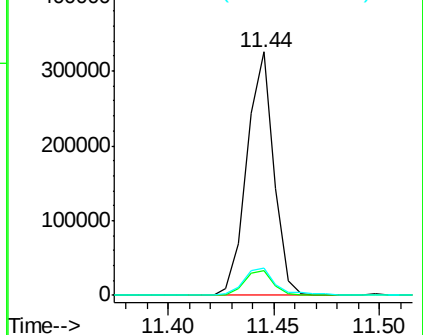
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.44 min Scan# 1591  
Delta R.T. -0.00 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 286094  
Ion Ratio Lower Upper  
188 100  
94 10.3 8.5 12.7  
80 11.4 9.2 13.8

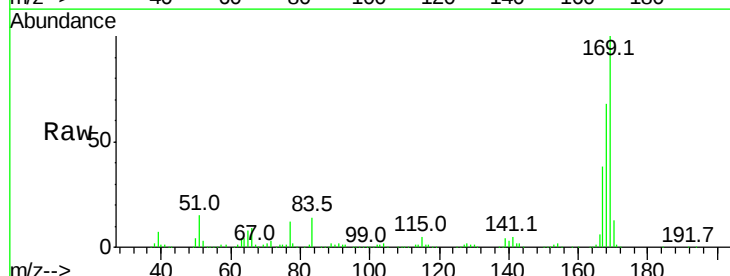


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

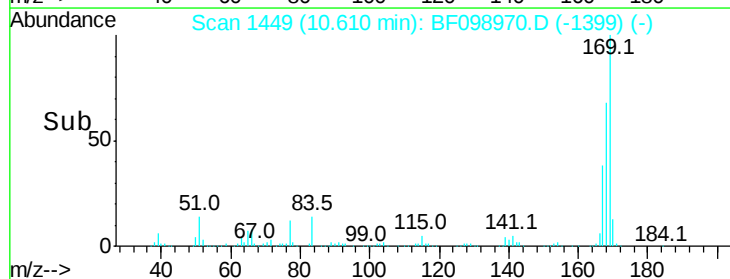
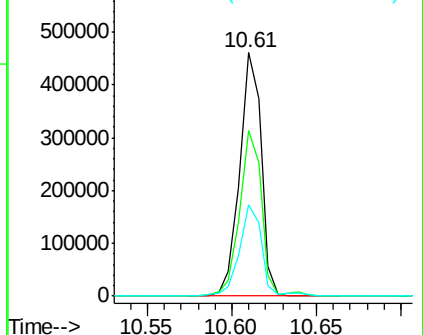


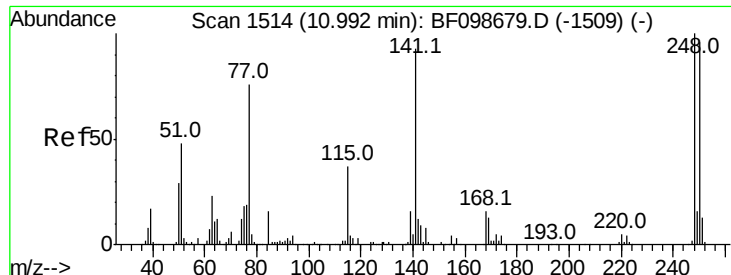
#65  
n-Nitrosodiphenylamine  
Concen: 41.437 ng  
RT: 10.61 min Scan# 1449  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Tgt Ion:169 Resp: 410690  
Ion Ratio Lower Upper  
169 100  
168 67.8 54.4 81.6  
167 37.7 29.8 44.6



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

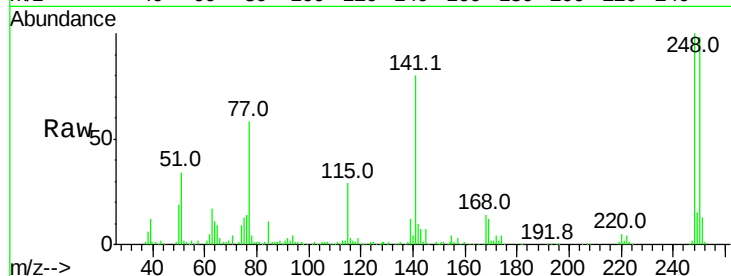




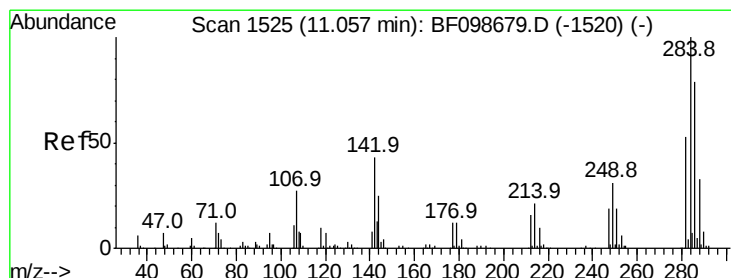
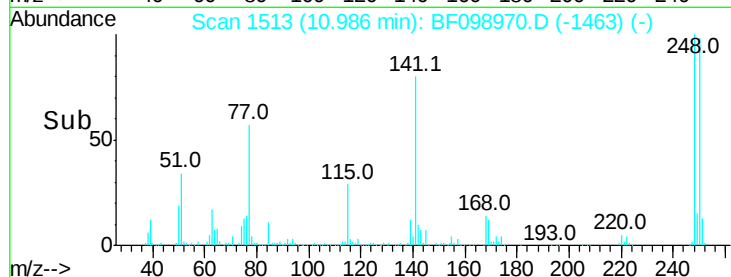
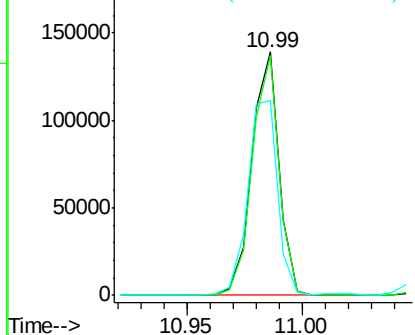
#66  
4-Bromophenyl-phenylether  
Concen: 40.794 ng  
RT: 10.99 min Scan# 1513  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 114239  
Ion Ratio Lower Upper  
248 100  
250 98.3 76.9 115.3  
141 80.2 74.4 111.6

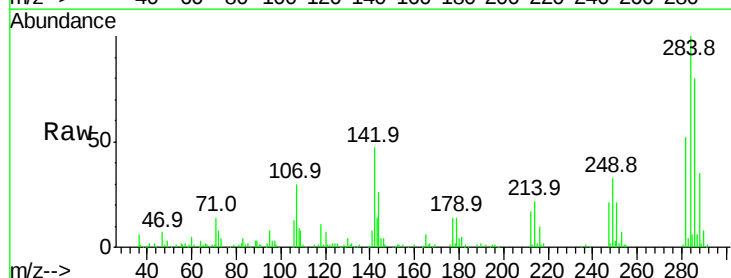


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

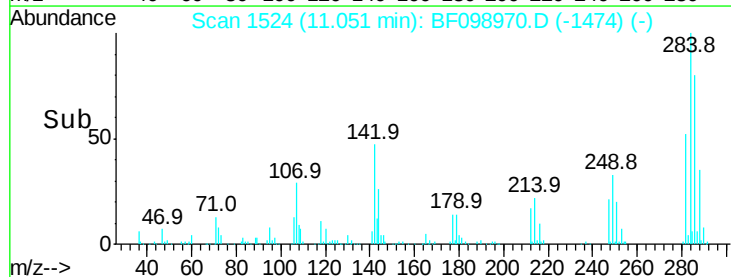
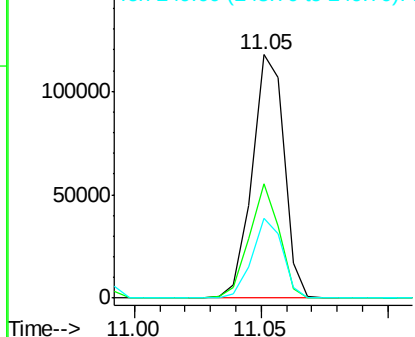


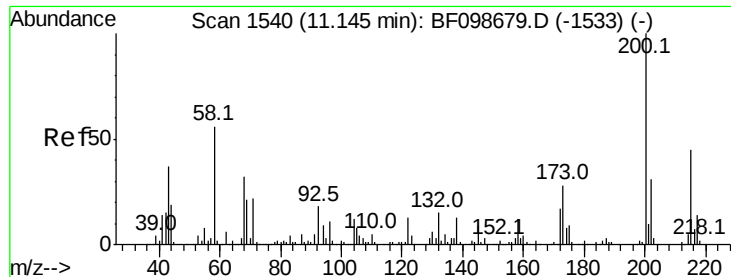
#67  
Hexachlorobenzene  
Concen: 34.769 ng  
RT: 11.05 min Scan# 1524  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Tgt Ion:284 Resp: 103992  
Ion Ratio Lower Upper  
284 100  
142 47.1 34.6 52.0  
249 32.9 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

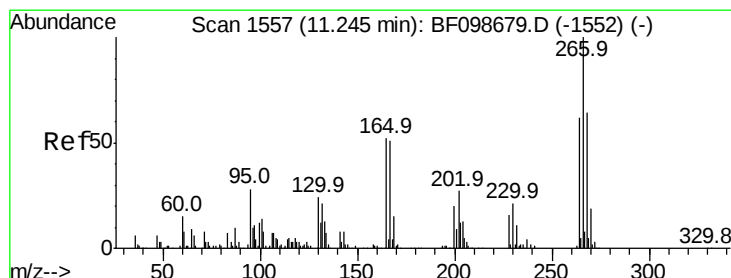
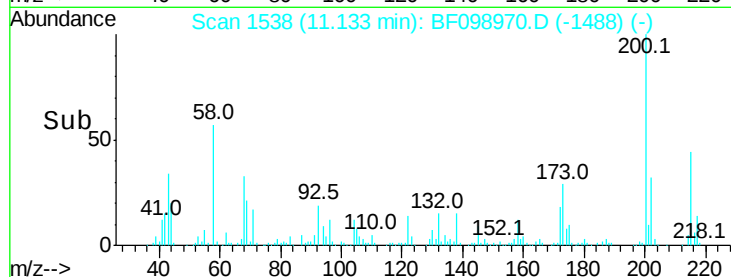
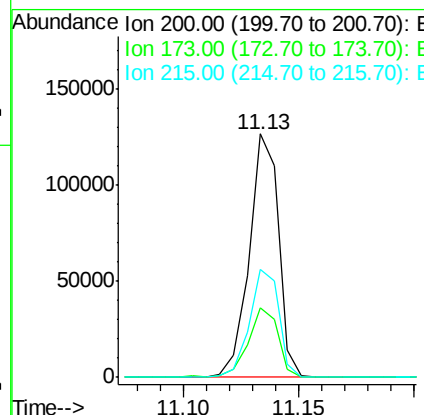
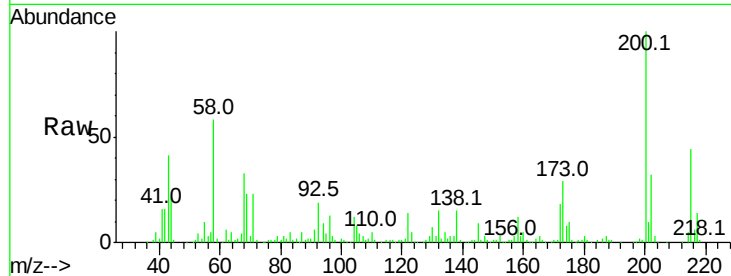




#68  
Atrazine  
Concen: 37.536 ng  
RT: 11.13 min Scan# 1538  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

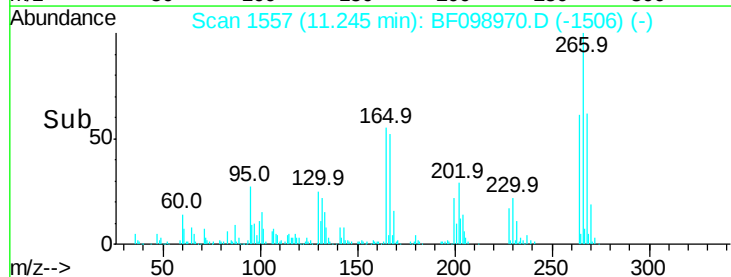
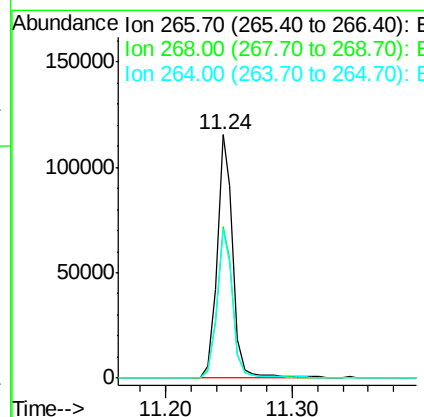
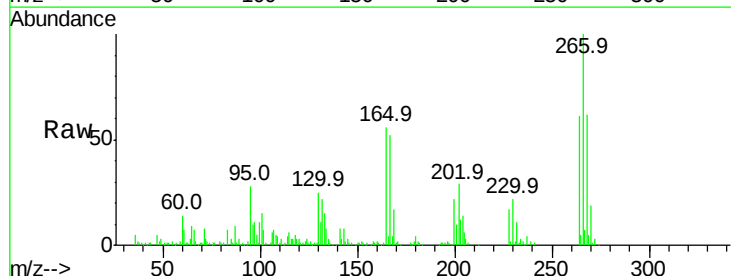
Instrument :  
BNA\_F  
ClientSampleId :

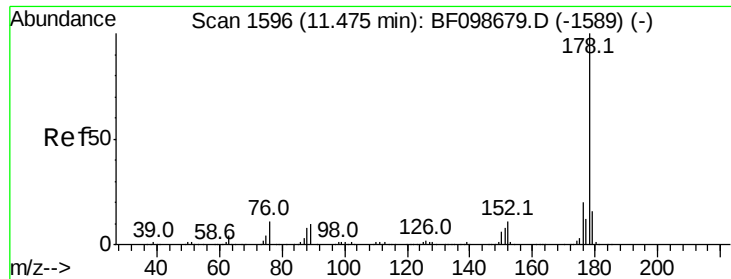
Tot Ion:200 Resp: 111931  
Ion Ratio Lower Upper  
200 100  
173 28.8 8.6 48.6  
215 44.3 25.1 65.1



#69  
Pentachlorophenol  
Concen: 54.887 ng  
RT: 11.24 min Scan# 1557  
Delta R.T. -0.00 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Tgt Ion:266 Resp: 102168  
Ion Ratio Lower Upper  
266 100  
268 62.2 51.1 76.7  
264 61.1 49.5 74.3





#70

Phenanthrene

Concen: 46.156 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

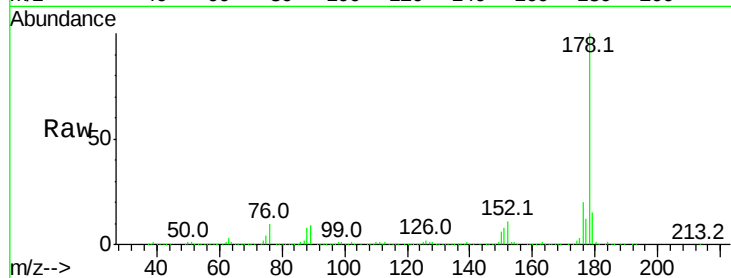
Tot Ion:178 Resp: 706819

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

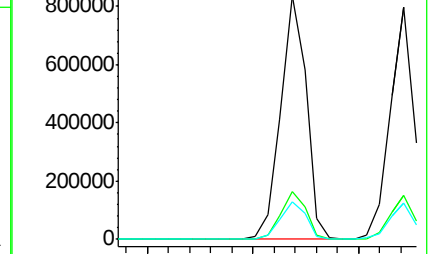
179 15.4 13.0 19.6



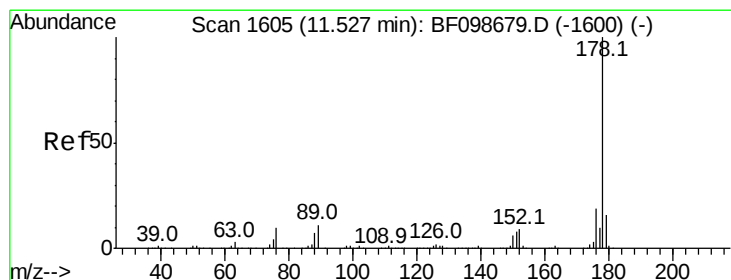
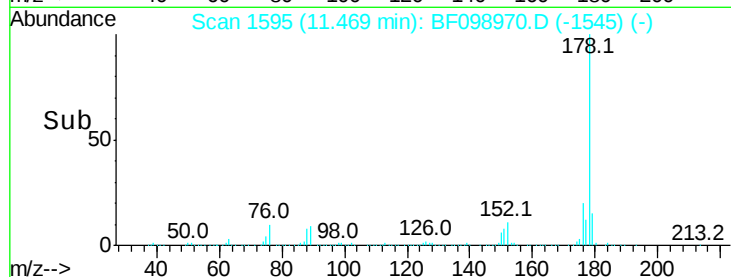
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 40.516 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

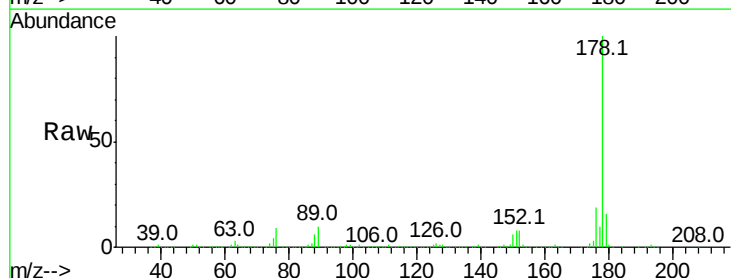
Tgt Ion:178 Resp: 634850

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

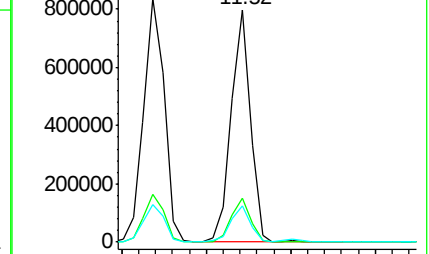
179 15.5 12.6 19.0



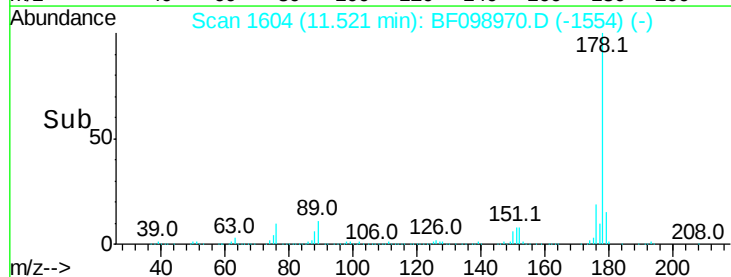
Abundance Ion 178.00 (177.70 to 178.70): E

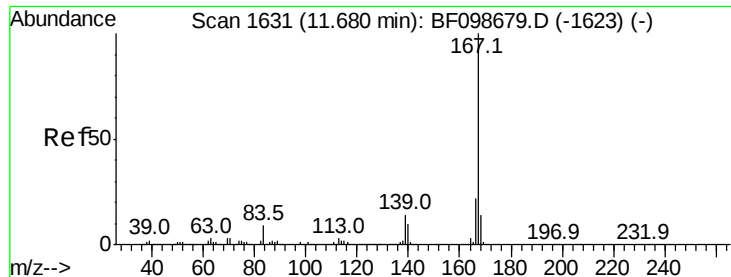
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

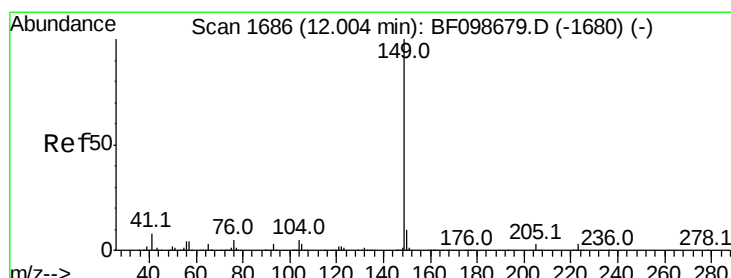
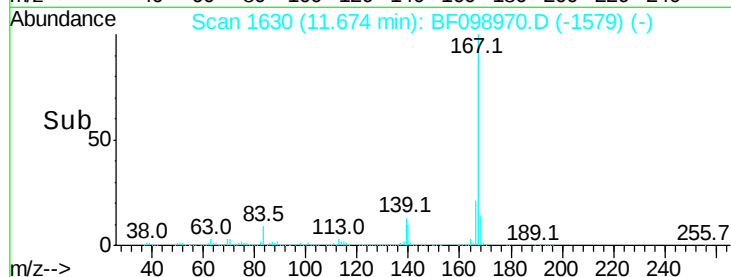
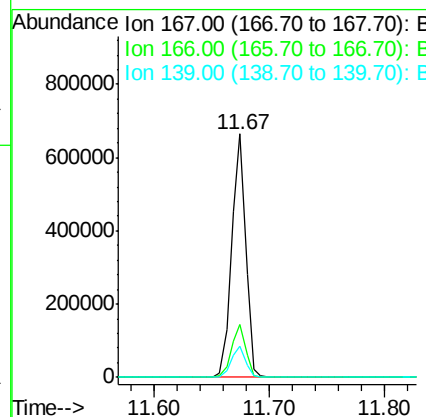
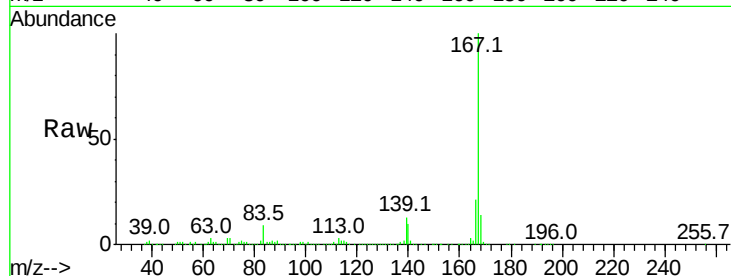




#72  
 Carbazole  
 Concen: 36.423 ng  
 RT: 11.67 min Scan# 1630  
 Delta R.T. -0.00 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

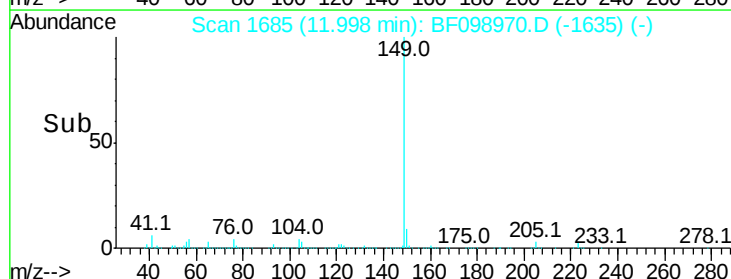
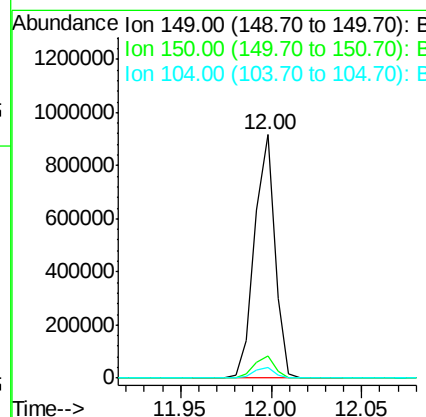
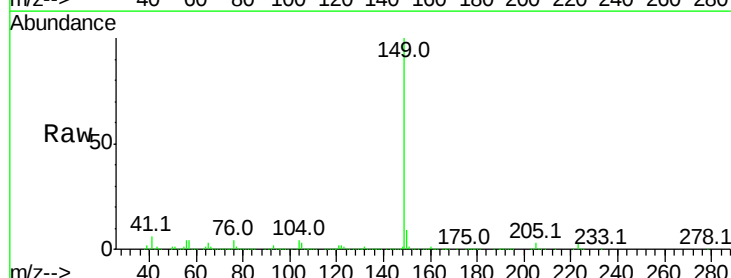
Instrument :  
 BNA\_F  
 ClientSampleId :

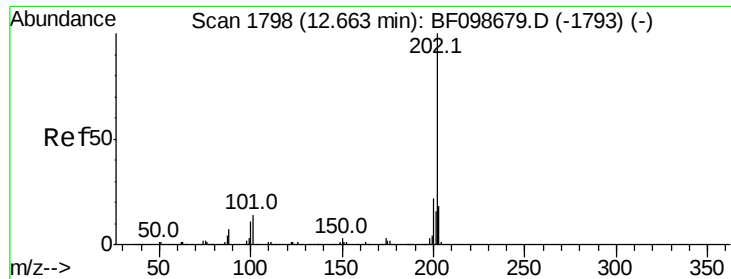
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.5  | 17.6  | 26.4  |
| 139     | 13.0  | 10.9  | 16.3  |



#73  
 Di-n-butylphthalate  
 Concen: 38.623 ng  
 RT: 12.00 min Scan# 1685  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 8.9   | 7.8   | 11.6  |
| 104     | 4.3   | 3.8   | 5.8   |





#74

Fluoranthene

Concen: 52.046 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.00 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

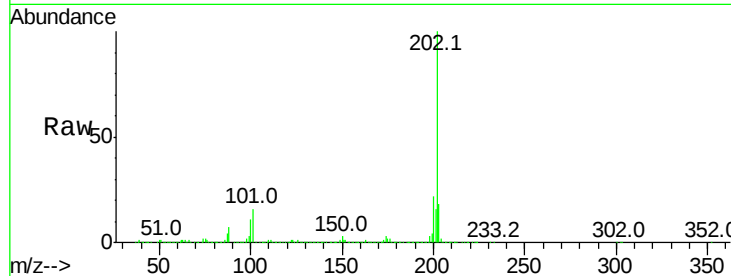
Tot Ion:202 Resp: 807076

Ion Ratio Lower Upper

202 100

101 15.5 0.0 34.1

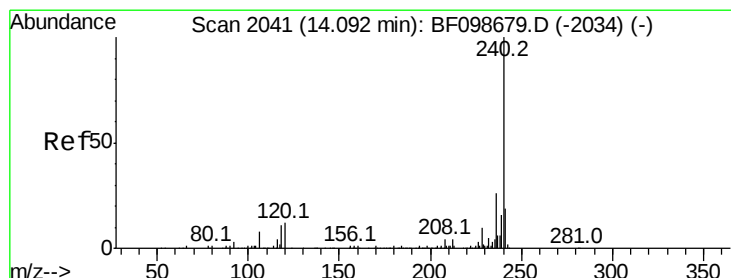
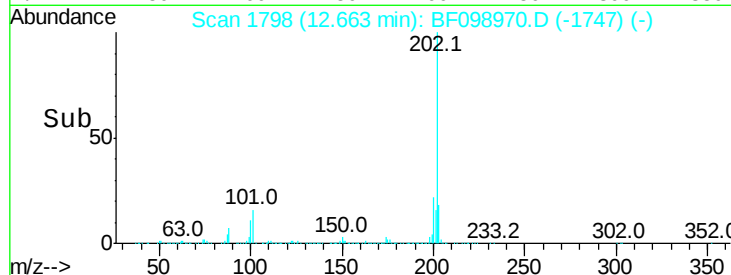
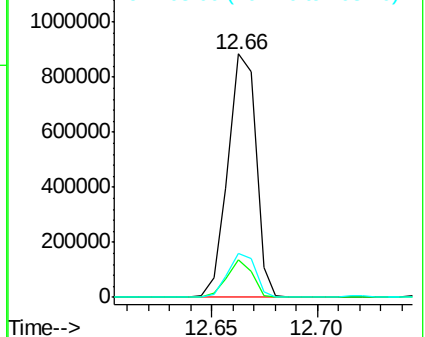
203 18.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

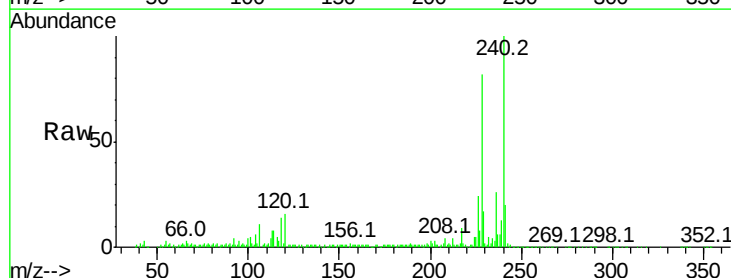
Tgt Ion:240 Resp: 236378

Ion Ratio Lower Upper

240 100

120 15.7 9.5 14.3#

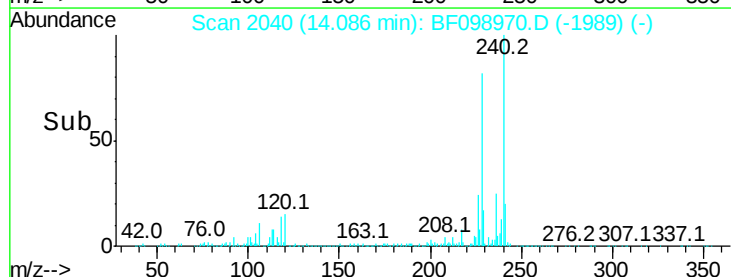
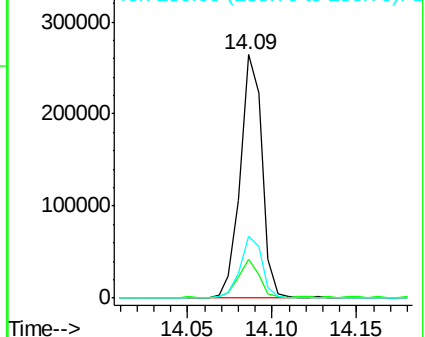
236 25.7 20.7 31.1

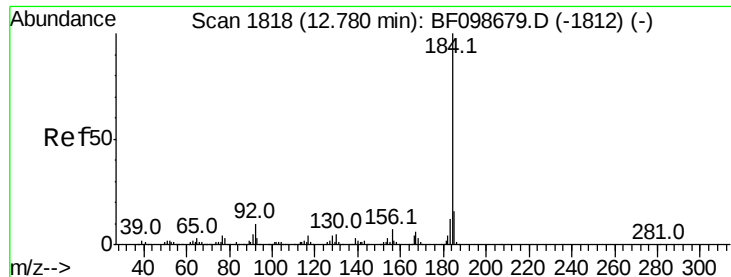


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 15.611 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

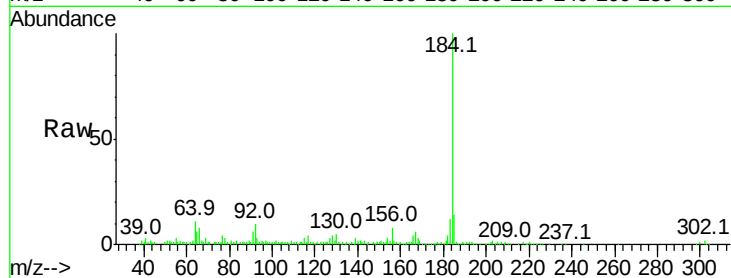
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:184 Resp: 136488

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.1  | 12.6  | 18.8  |
| 183 | 11.7  | 9.3   | 13.9  |

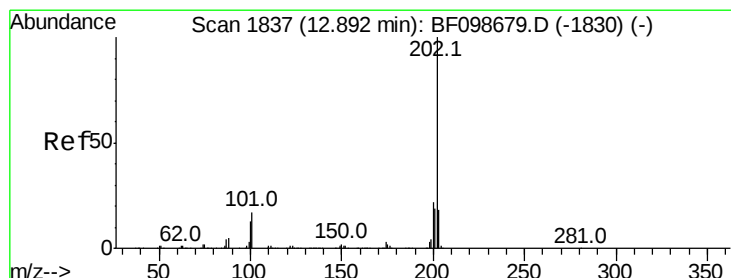
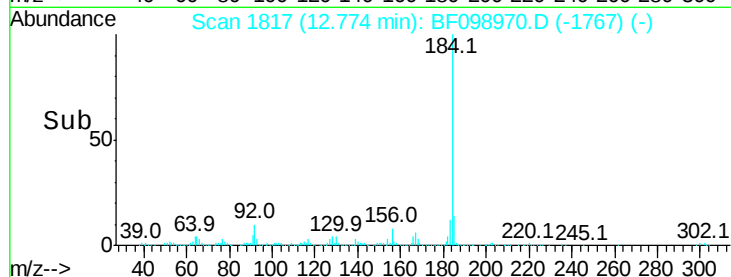
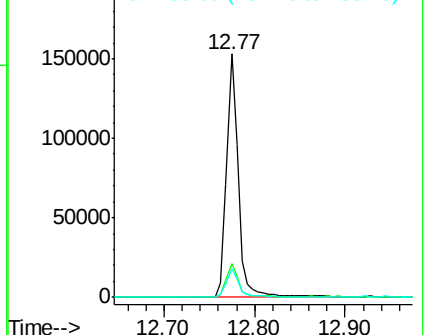


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 45.252 ng

RT: 12.89 min Scan# 1837

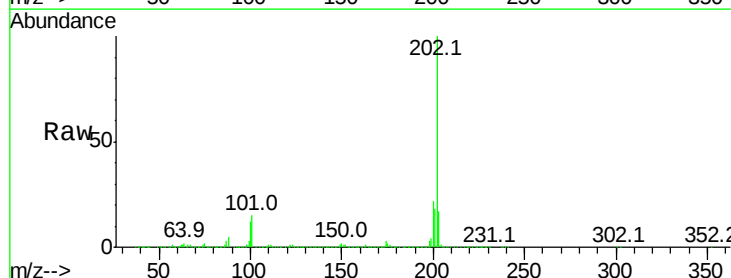
Delta R.T. -0.00 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Tgt Ion:202 Resp: 815649

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.5  | 17.4  | 26.2  |
| 203 | 17.1  | 14.3  | 21.5  |

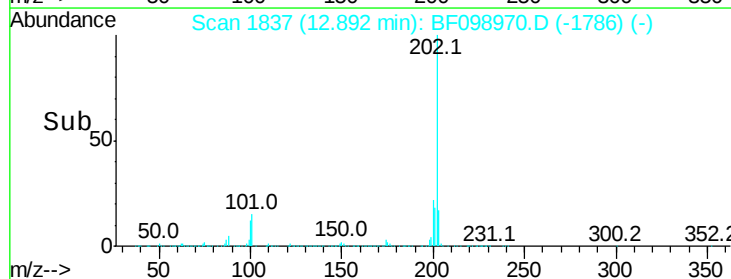
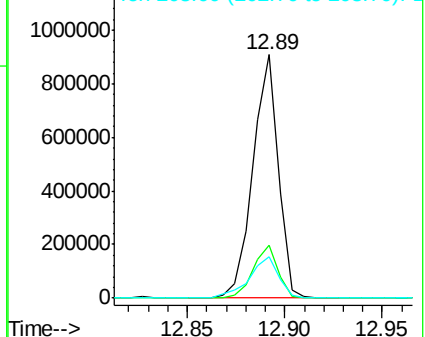


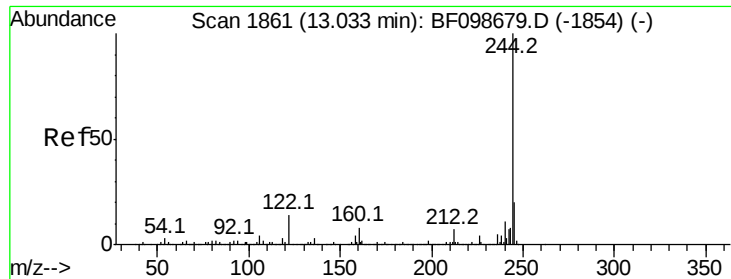
Abundance

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

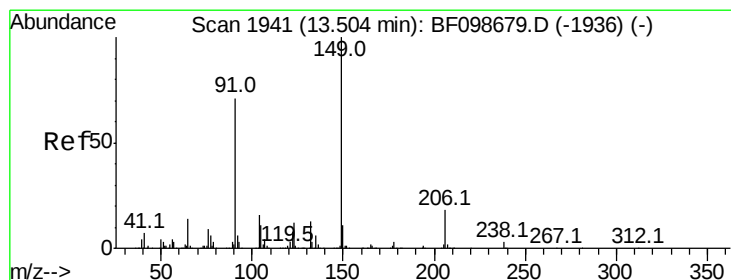
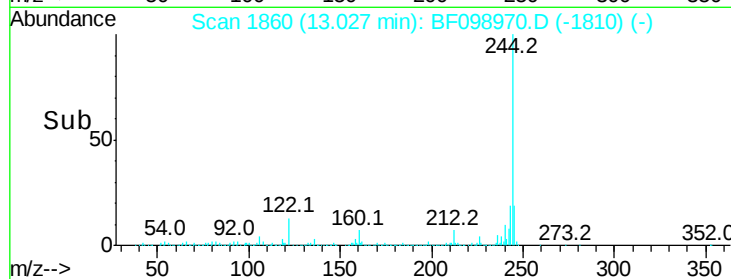
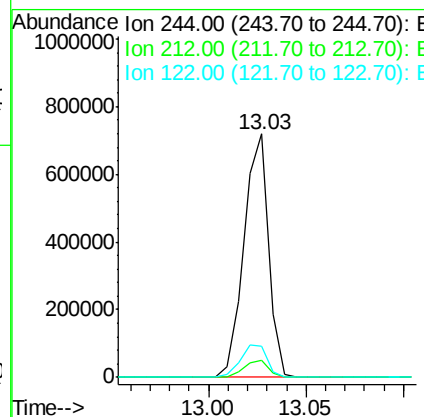
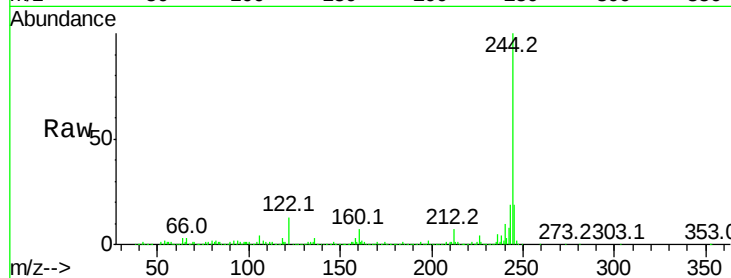




#78  
 Terphenyl-d14  
 Concen: 60.424 ng  
 RT: 13.03 min Scan# 1860  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

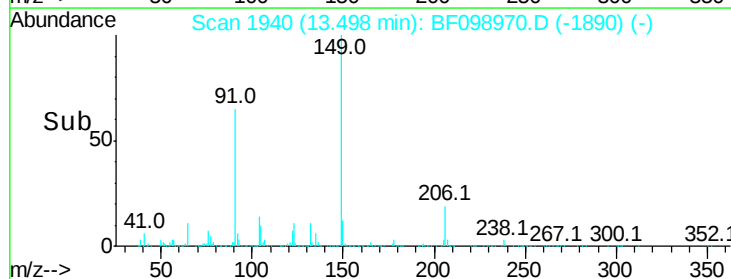
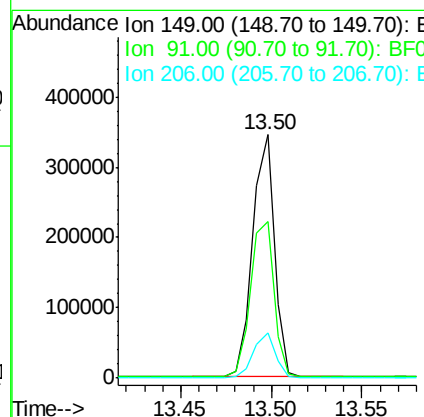
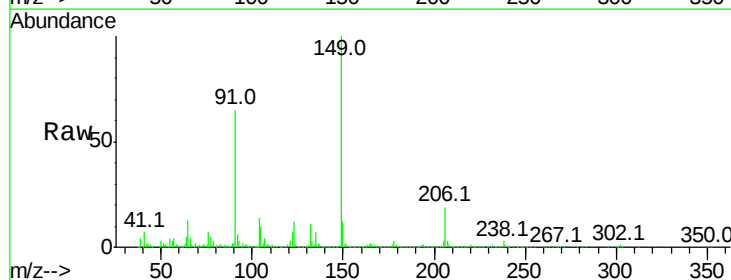
Instrument :  
 BNA\_F  
 ClientSampleId :

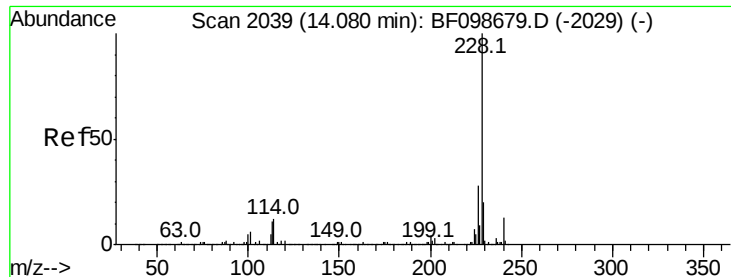
Tot Ion:244 Resp: 628040  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.0  
 122 12.8 11.0 16.4



#79  
 Butylbenzylphthalate  
 Concen: 34.111 ng  
 RT: 13.50 min Scan# 1940  
 Delta R.T. -0.01 min  
 Lab File: BF098970.D  
 Acq: 30 Sep 2017 18:43

Tgt Ion:149 Resp: 288958  
 Ion Ratio Lower Upper  
 149 100  
 91 64.6 56.8 85.2  
 206 18.8 14.1 21.1

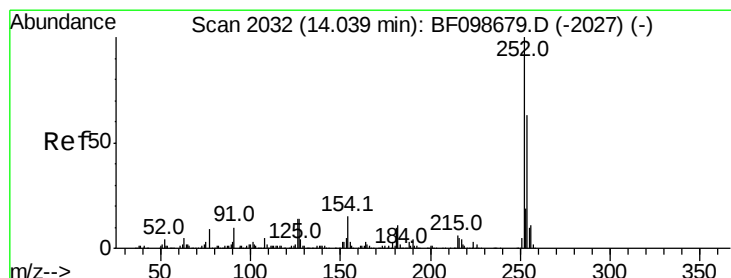
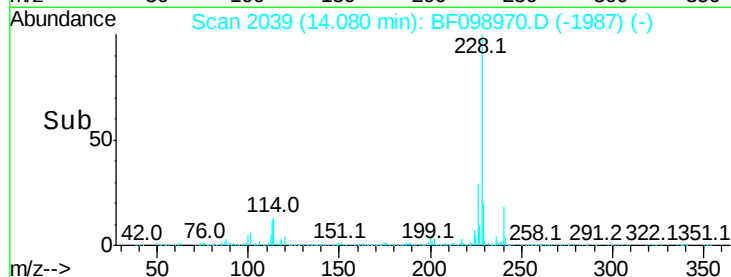
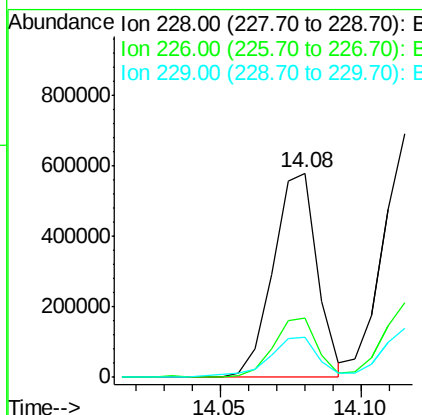
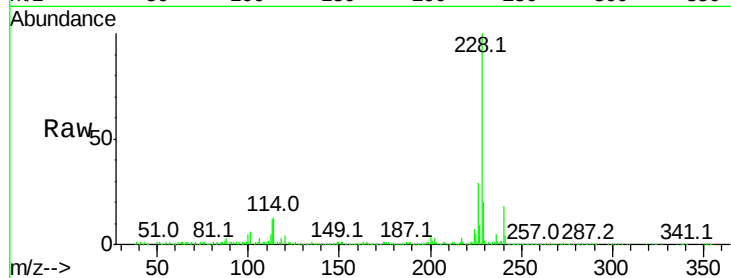




#80  
Benzo(a)anthracene  
Concen: 43.714 ng  
RT: 14.08 min Scan# 2039  
Delta R.T. 0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

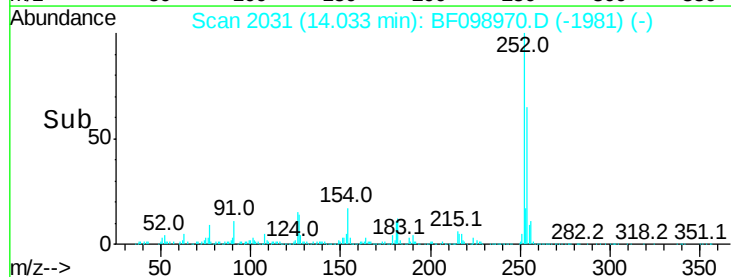
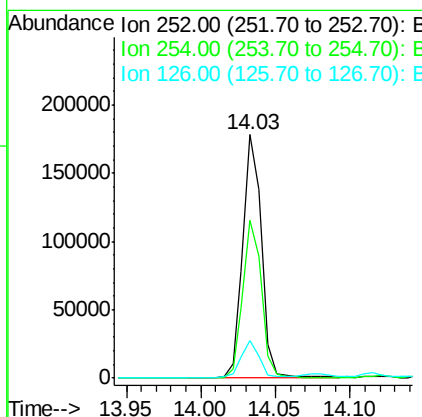
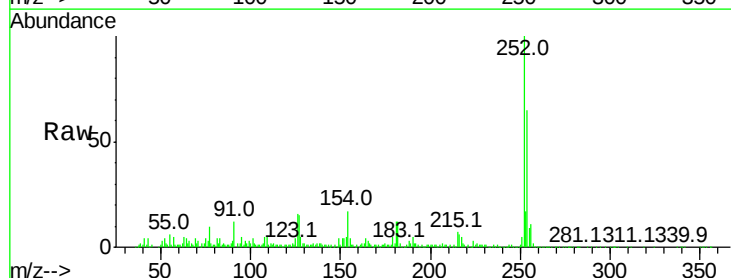
Instrument :  
BNA\_F  
ClientSampled :

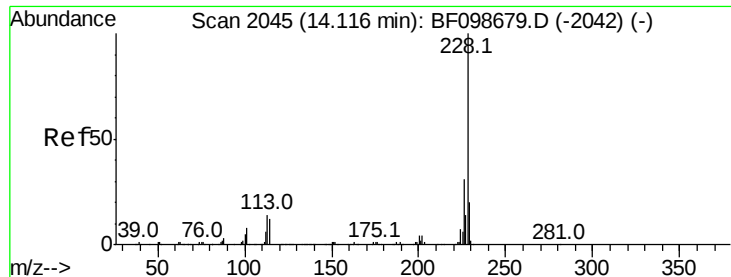
Tot Ion:228 Resp: 625696  
Ion Ratio Lower Upper  
228 100  
226 28.8 22.6 33.8  
229 19.9 15.8 23.6



#81  
3,3'-Dichlorobenzidine  
Concen: 29.403 ng  
RT: 14.03 min Scan# 2031  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Tgt Ion:252 Resp: 154280  
Ion Ratio Lower Upper  
252 100  
254 64.7 50.4 75.6  
126 15.5 11.3 16.9

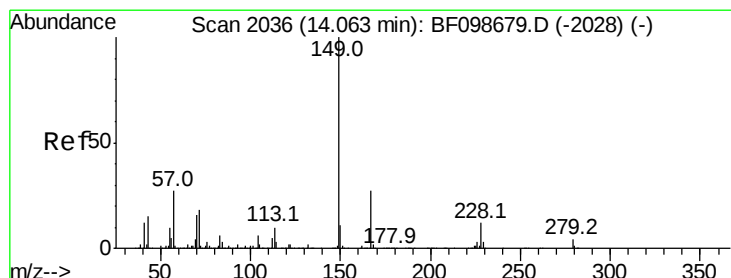
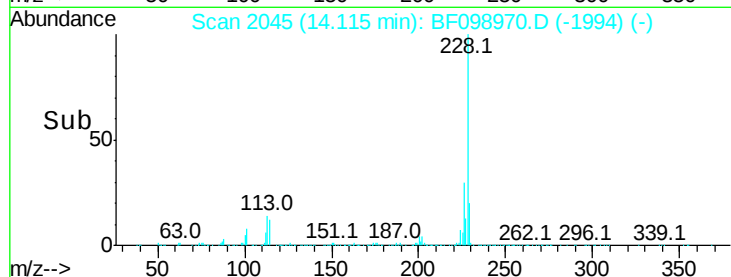
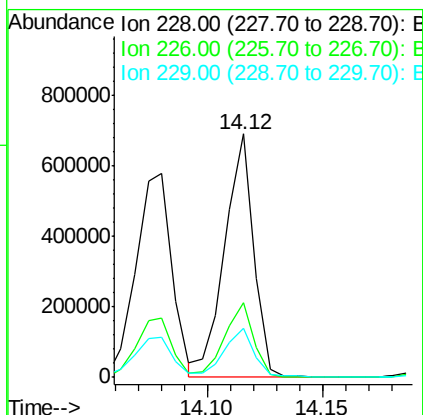
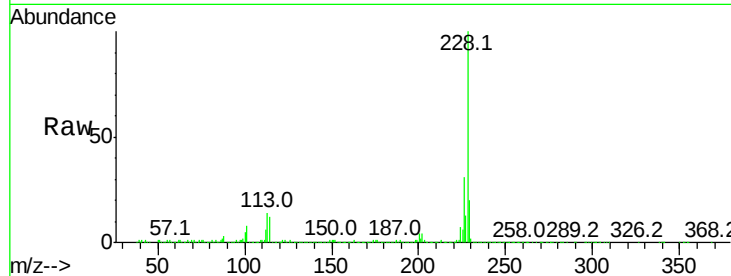




#82  
Chrysene  
Concen: 43.949 ng  
RT: 14.12 min Scan# 2045  
Delta R.T. -0.00 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

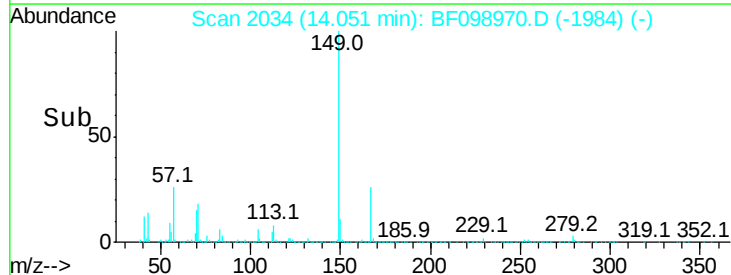
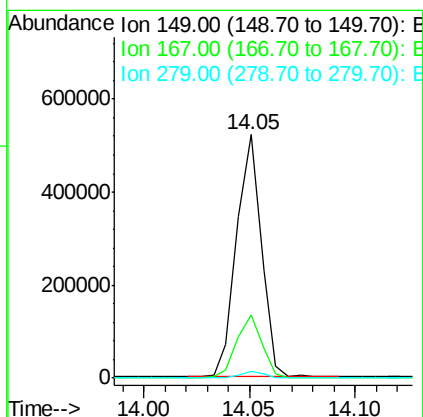
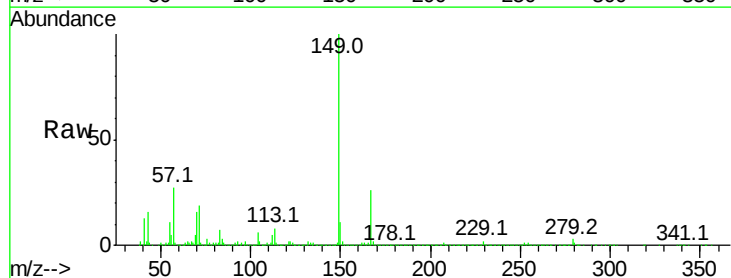
Instrument :  
BNA\_F  
ClientSampled :

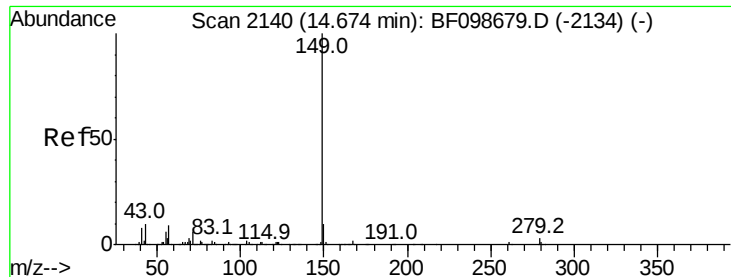
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.6  | 25.0  | 37.6  |
| 229     | 20.0  | 16.2  | 24.4  |



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 36.387 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. -0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.9  | 21.3  | 31.9  |
| 279     | 2.9   | 3.0   | 4.4   |





#84

Di-n-octyl phthalate

Concen: 39.739 ng

RT: 14.67 min Scan# 2139

Delta R.T. -0.00 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampled :

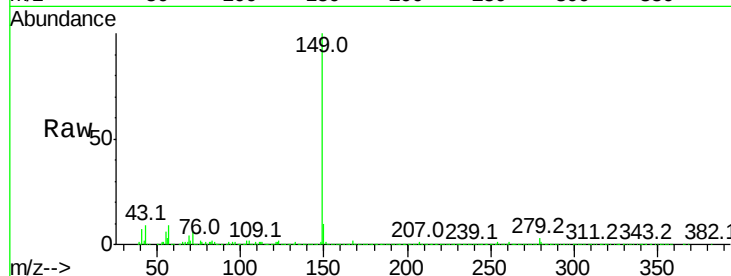
Tot Ion:149 Resp: 746391

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

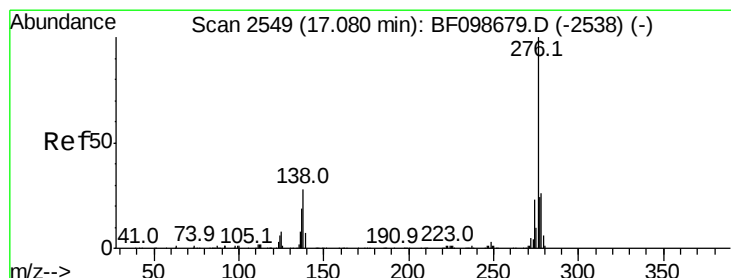
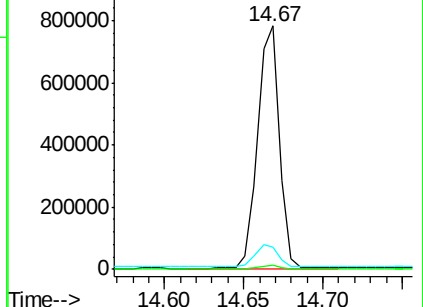
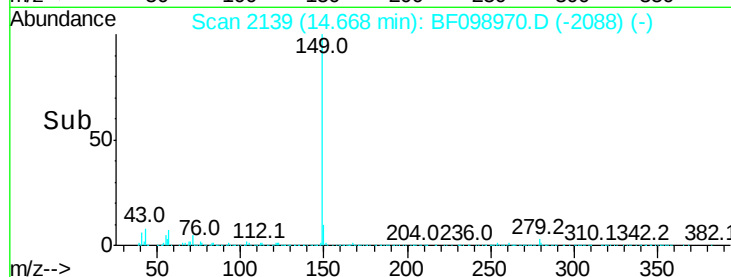
43 9.1 8.4 12.6



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: 34.270 ng

RT: 17.10 min Scan# 2553

Delta R.T. 0.02 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

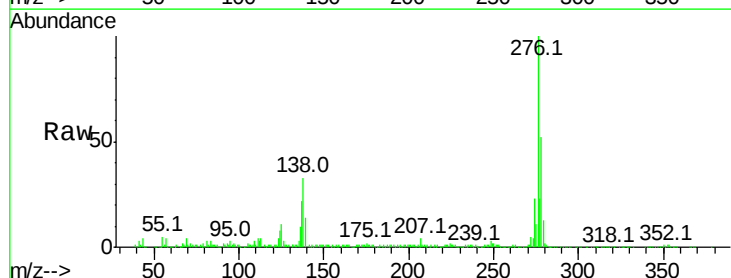
Tgt Ion:276 Resp: 373564

Ion Ratio Lower Upper

276 100

138 34.3 25.0 37.6

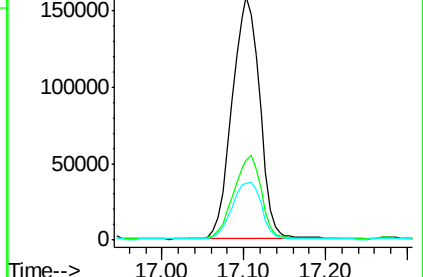
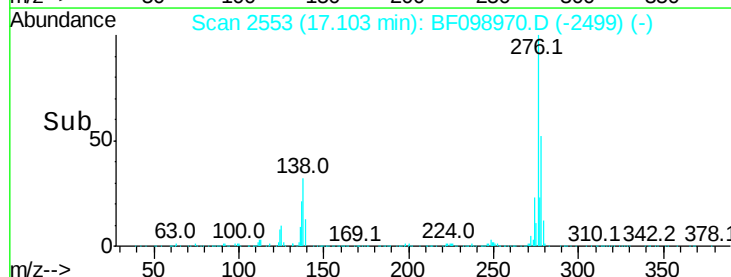
277 24.2 20.1 30.1

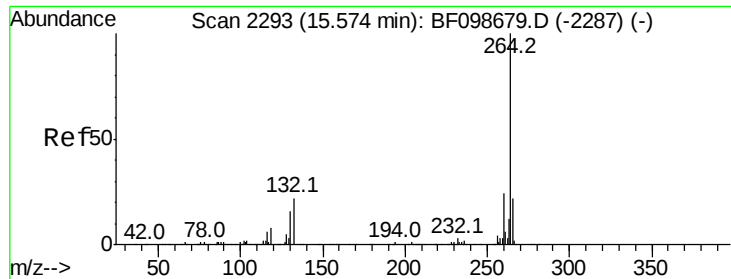


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



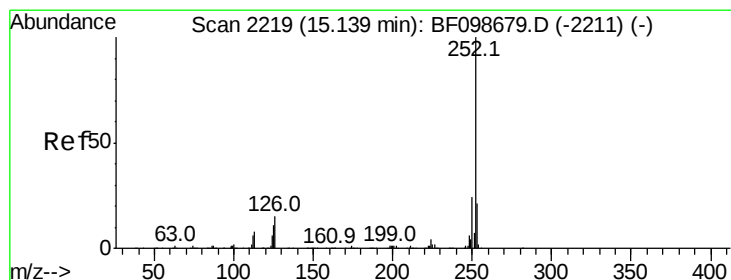
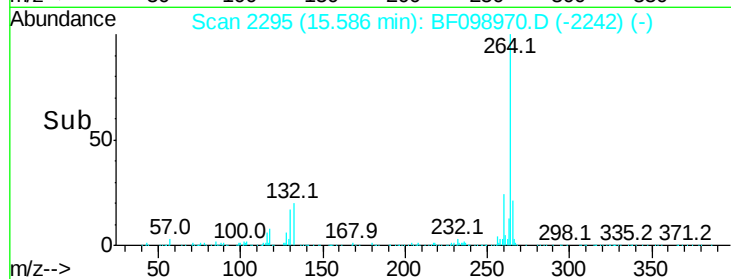
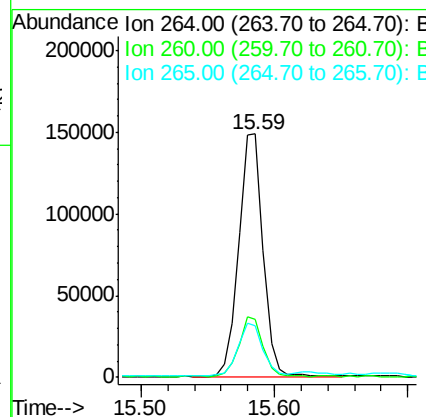
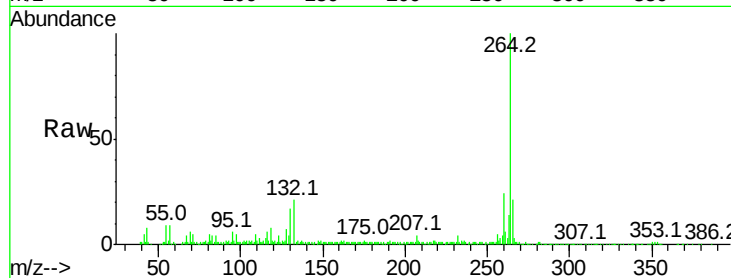


#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.59 min Scan# 2295  
Delta R.T. 0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 188439  

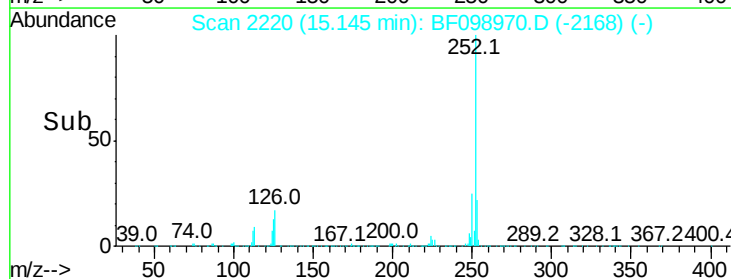
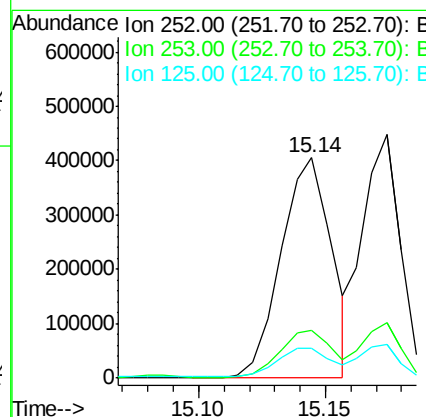
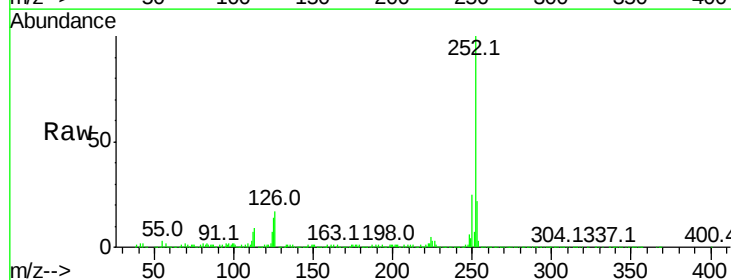
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 19.2  | 28.8  |
| 265 | 21.2  | 17.5  | 26.3  |

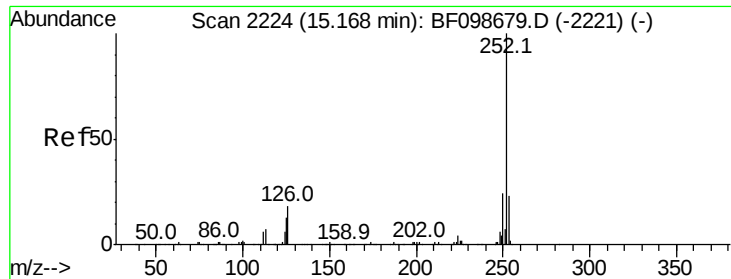


#87  
Benzo(b)fluoranthene  
Concen: 48.280 ng  
RT: 15.14 min Scan# 2220  
Delta R.T. 0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Tgt Ion:252 Resp: 559375  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.9  | 17.0  | 25.6  |
| 125 | 13.9  | 9.0   | 13.6# |

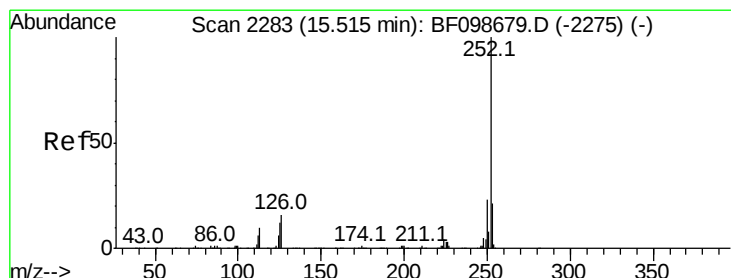
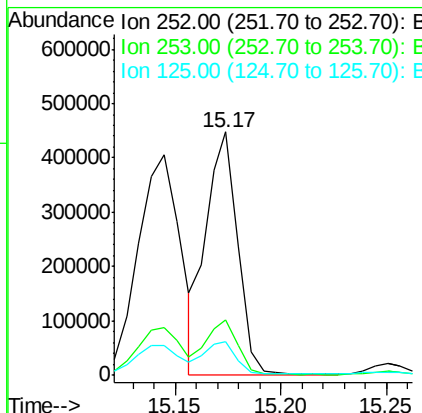
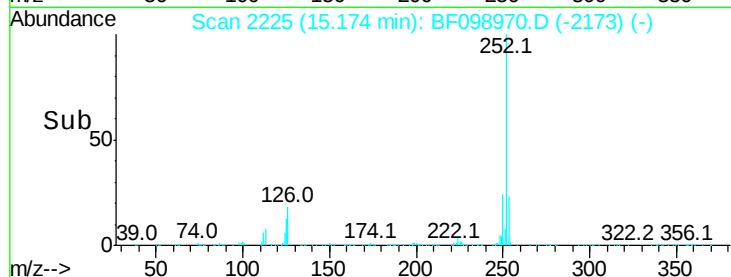
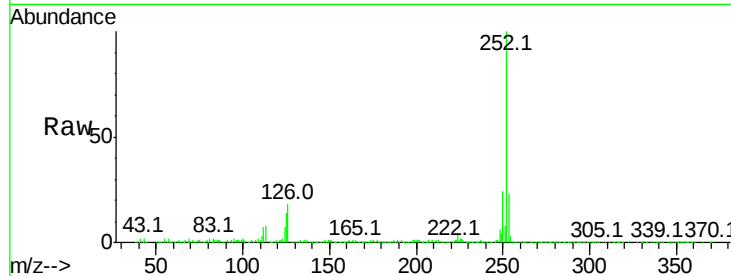




#88  
Benzo(k)fluoranthene  
Concen: 40.949 ng  
RT: 15.17 min Scan# 2225  
Delta R.T. 0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

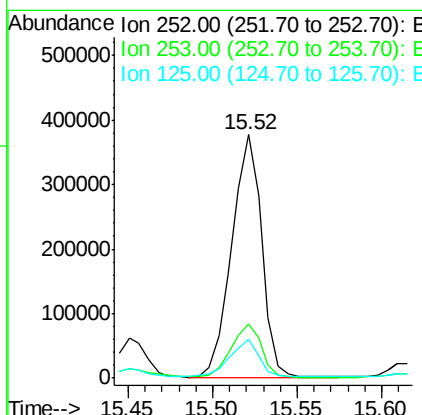
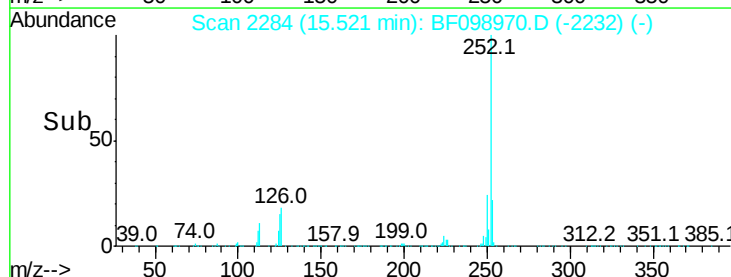
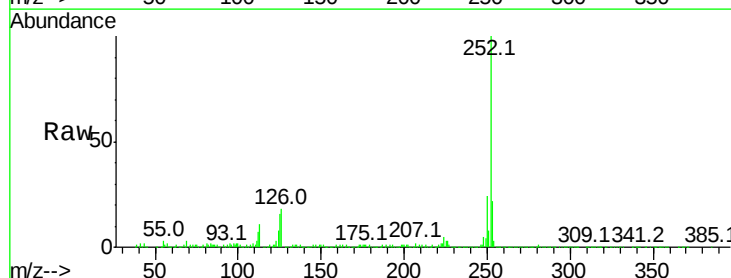
Instrument :  
BNA\_F  
ClientSampleId :

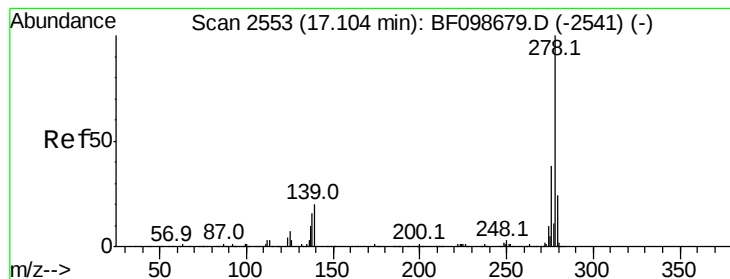
Tot Ion:252 Resp: 468604  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.9 26.9  
125 13.9 10.2 15.2



#89  
Benzo(a)pyrene  
Concen: 43.678 ng  
RT: 15.52 min Scan# 2284  
Delta R.T. 0.01 min  
Lab File: BF098970.D  
Acq: 30 Sep 2017 18:43

Tgt Ion:252 Resp: 464523  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.1 25.7  
125 15.9 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 33.140 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.01 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

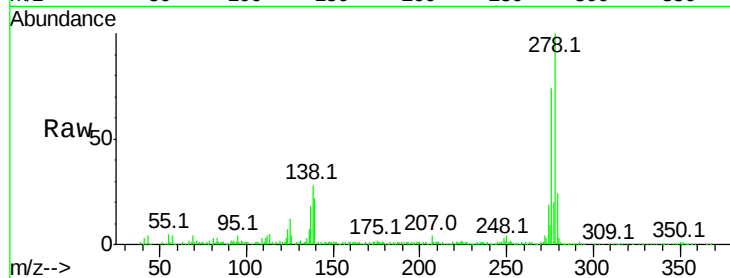
Tot Ion:278 Resp: 282064

Ion Ratio Lower Upper

278 100

139 21.7 15.9 23.9

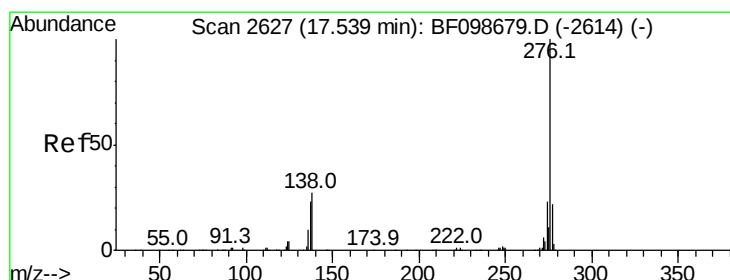
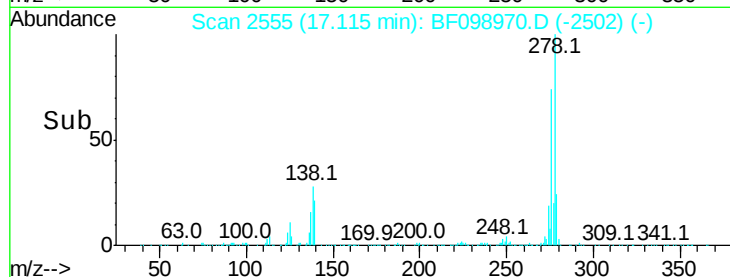
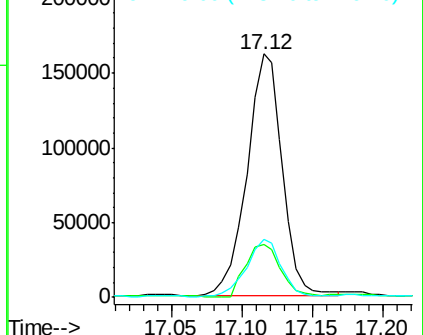
279 23.9 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 36.480 ng

RT: 17.56 min Scan# 2631

Delta R.T. 0.02 min

Lab File: BF098970.D

Acq: 30 Sep 2017 18:43

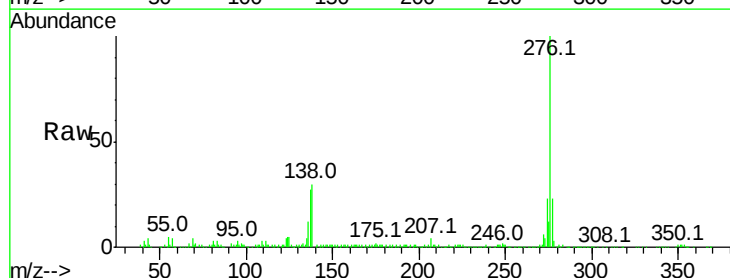
Tgt Ion:276 Resp: 306909

Ion Ratio Lower Upper

276 100

277 23.2 17.9 26.9

138 30.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

