

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\  
 Data File : BF099027.D  
 Acq On : 3 Oct 2017 13:15  
 Operator : SJ/JU  
 Sample : PB102810BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 03 17:29:07 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 03 17:12:12 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.87  | 152  | 139567   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 586037   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.92  | 164  | 270365   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.40 | 188  | 475549   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.04 | 240  | 336135   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.52 | 264  | 277589   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.51  | 112 | 1095881 | 125.00 | ng | 0.02 |
| 7) Phenol-d6             | 6.51  | 99  | 1367122 | 126.40 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.44  | 82  | 831213  | 90.96  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.71 | 330 | 292180  | 132.07 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.23  | 172 | 1495692 | 92.35  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.99 | 244 | 1281293 | 86.69  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.76 | 88  | 149172  | 35.619 | ng | 97     |
| 3) Pyridine                    | 3.52 | 79  | 429788  | 37.935 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.48 | 42  | 185189  | 38.547 | ng | 81     |
| 6) Aniline                     | 6.54 | 93  | 276252  | 18.925 | ng | 98     |
| 8) 2-Chlorophenol              | 6.66 | 128 | 405900  | 40.882 | ng | 97     |
| 9) Benzaldehyde                | 6.43 | 77  | 200818  | 32.009 | ng | 92     |
| 10) Phenol                     | 6.52 | 94  | 494648  | 40.894 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 6.61 | 93  | 384742  | 40.915 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.82 | 146 | 427149  | 41.080 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 431093  | 40.749 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.05 | 146 | 399502  | 40.869 | ng | 98     |
| 15) Benzyl Alcohol             | 7.02 | 79  | 335259  | 42.254 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45  | 584366  | 39.887 | ng | 97     |
| 17) 2-Methylphenol             | 7.13 | 107 | 352649  | 43.409 | ng | 98     |
| 18) Hexachloroethane           | 7.39 | 117 | 152154  | 40.013 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 271213  | 39.277 | ng | 93     |
| 20) 3+4-Methylphenols          | 7.28 | 107 | 414301  | 40.312 | ng | # 78   |
| 22) Acetophenone               | 7.29 | 105 | 549945  | 38.732 | ng | # 97   |
| 24) Nitrobenzene               | 7.46 | 77  | 416260  | 40.156 | ng | 98     |
| 25) Isophorone                 | 7.70 | 82  | 791943  | 41.916 | ng | 99     |
| 26) 2-Nitrophenol              | 7.77 | 139 | 232258  | 46.593 | ng | 90     |
| 27) 2,4-Dimethylphenol         | 7.81 | 122 | 392600  | 41.704 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 500393  | 42.500 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 8.02 | 162 | 354911  | 43.911 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.10 | 180 | 340075  | 42.068 | ng | 100    |
| 31) Naphthalene                | 8.18 | 128 | 1157175 | 42.042 | ng | 99     |
| 32) Benzoic acid               | 7.94 | 122 | 236786  | 30.621 | ng | 98     |
| 33) 4-Chloroaniline            | 8.22 | 127 | 92473   | 8.045  | ng | 98     |
| 34) Hexachlorobutadiene        | 8.29 | 225 | 167851  | 40.312 | ng | 98     |
| 35) Caprolactam                | 8.60 | 113 | 61142   | 23.583 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 8.71 | 107 | 375936  | 41.381 | ng | 95     |
| 37) 2-Methylnaphthalene        | 8.87 | 142 | 806875  | 45.095 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 309361  | 38.368 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.02 | 237 | 298478  | 81.003 | ng | 97     |

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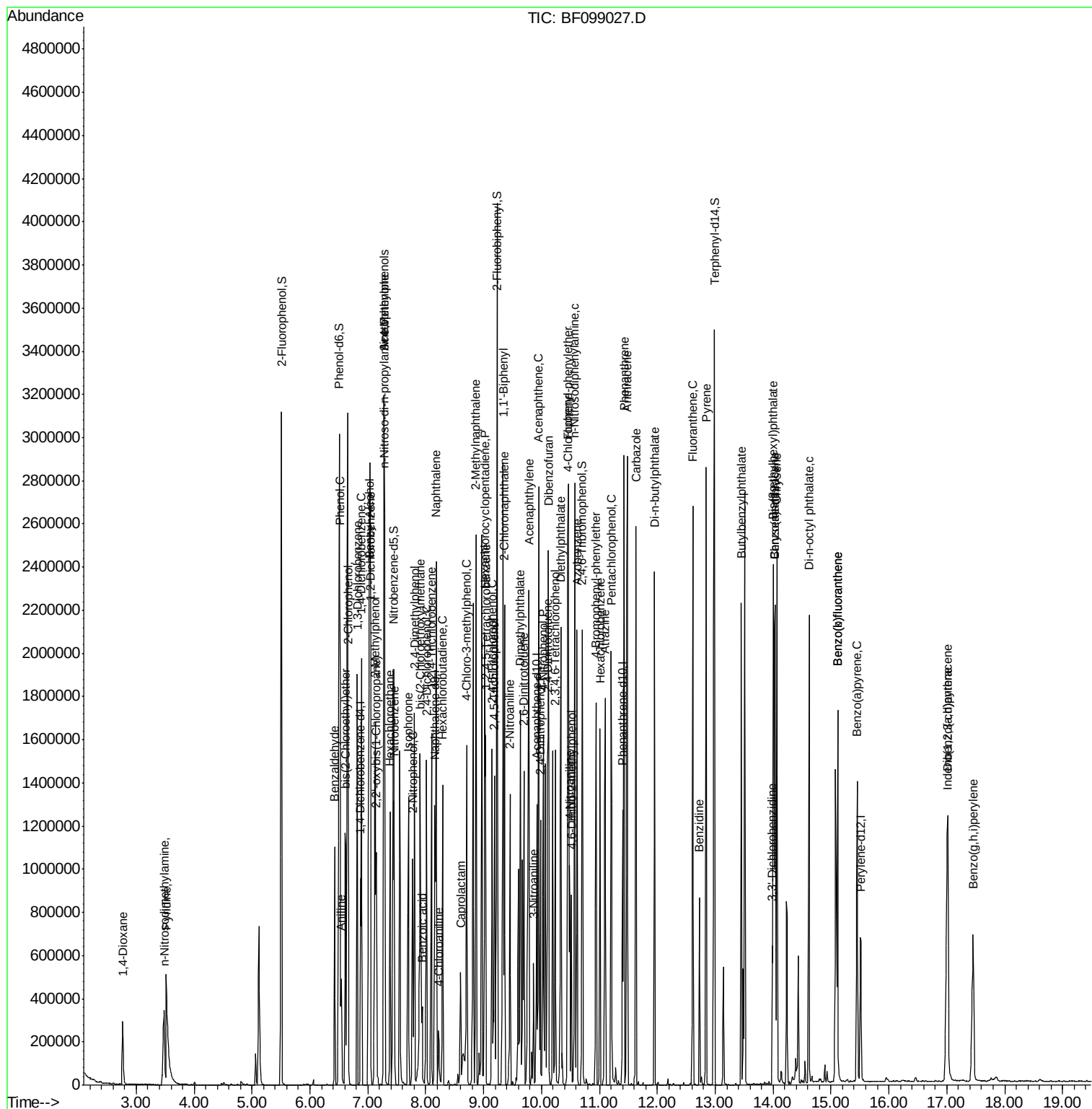
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.15  | 196  | 233841   | 40.938 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.19  | 196  | 247656   | 43.432 | ng    | 94       |
| 45) 1,1'-Biphenyl              | 9.33  | 154  | 934389   | 40.213 | ng    | 100      |
| 46) 2-Chloronaphthalene        | 9.36  | 162  | 724711   | 41.540 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.46  | 65   | 225679   | 42.246 | ng    | 98       |
| 48) Acenaphthylene             | 9.78  | 152  | 1132612  | 42.408 | ng    | 100      |
| 49) Dimethylphthalate          | 9.63  | 163  | 860794   | 42.184 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.70  | 165  | 196107   | 44.144 | ng    | 95       |
| 51) Acenaphthene               | 9.95  | 154  | 677001   | 40.017 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.86  | 138  | 90657    | 17.502 | ng    | 97       |
| 53) 2,4-Dinitrophenol          | 9.98  | 184  | 170566   | 74.202 | ng    | 90       |
| 54) Dibenzofuran               | 10.12 | 168  | 1003643  | 44.556 | ng    | 99       |
| 55) 4-Nitrophenol              | 10.03 | 139  | 330581   | 75.476 | ng    | 91       |
| 56) 2,4-Dinitrotoluene         | 10.10 | 165  | 264095   | 45.806 | ng    | 99       |
| 57) Fluorene                   | 10.46 | 166  | 768122   | 42.426 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.24 | 232  | 181380   | 46.047 | ng    | 97       |
| 59) Diethylphthalate           | 10.33 | 149  | 831950   | 41.724 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204  | 345589   | 42.493 | ng    | 99       |
| 61) 4-Nitroaniline             | 10.49 | 138  | 217060   | 43.435 | ng    | 92       |
| 62) Azobenzene                 | 10.62 | 77   | 798134   | 43.534 | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 112705   | 38.953 | ng    | 85       |
| 65) n-Nitrosodiphenylamine     | 10.57 | 169  | 694022   | 42.127 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.95 | 248  | 201152   | 43.214 | ng    | 90       |
| 67) Hexachlorobenzene          | 11.01 | 284  | 206375   | 41.511 | ng    | 99       |
| 68) Atrazine                   | 11.10 | 200  | 225291   | 45.452 | ng    | 99       |
| 69) Pentachlorophenol          | 11.20 | 266  | 218413   | 70.590 | ng    | 98       |
| 70) Phenanthrene               | 11.43 | 178  | 1081729  | 42.496 | ng    | 99       |
| 71) Anthracene                 | 11.48 | 178  | 1125462  | 43.212 | ng    | 99       |
| 72) Carbazole                  | 11.63 | 167  | 1051908  | 41.243 | ng    | 100      |
| 73) Di-n-butylphthalate        | 11.95 | 149  | 1276934  | 41.594 | ng    | 100      |
| 74) Fluoranthene               | 12.62 | 202  | 1104813  | 42.862 | ng    | 99       |
| 76) Benzidine                  | 12.73 | 184  | 291010   | 23.407 | ng    | 98       |
| 77) Pyrene                     | 12.84 | 202  | 1128783  | 44.039 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.45 | 149  | 537504   | 44.620 | ng    | 97       |
| 80) Benzo(a)anthracene         | 14.03 | 228  | 896755   | 44.058 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.99 | 252  | 111022   | 14.879 | ng    | 99       |
| 82) Chrysene                   | 14.07 | 228  | 831170   | 42.893 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149  | 718994   | 43.347 | ng    | # 99     |
| 84) Di-n-octyl phthalate       | 14.62 | 149  | 1150235  | 43.066 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.00 | 276  | 688185   | 44.396 | ng    | 96       |
| 87) Benzo(b)fluoranthene       | 15.12 | 252  | 701025   | 41.074 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 15.12 | 252  | 701025   | 41.586 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.46 | 252  | 686170   | 43.798 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 17.02 | 278  | 570832   | 45.529 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.46 | 276  | 585668   | 47.256 | ng    | 98       |

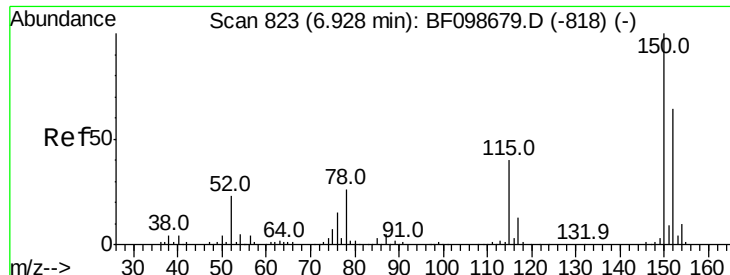
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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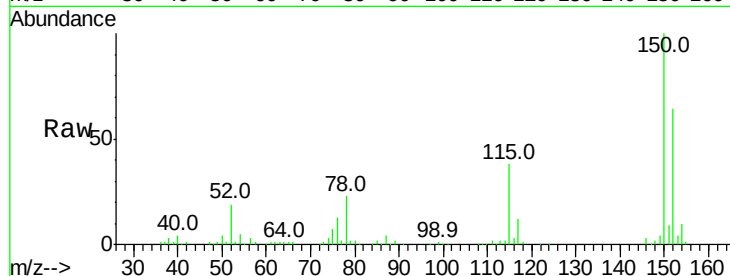


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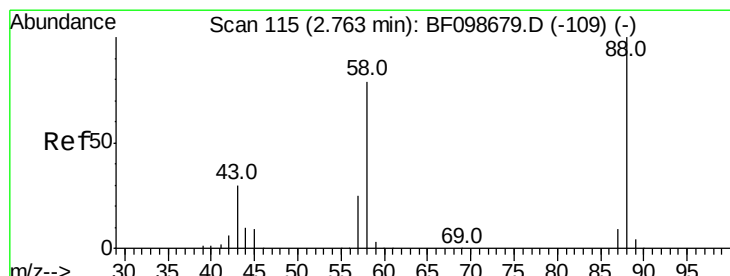
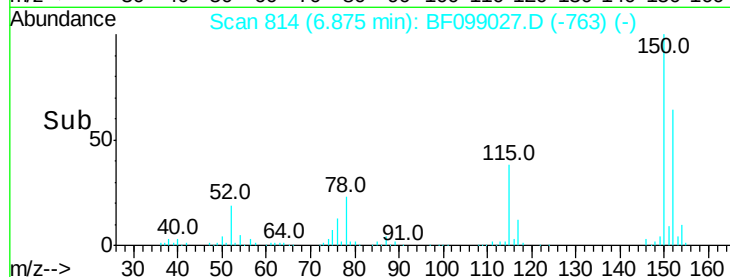
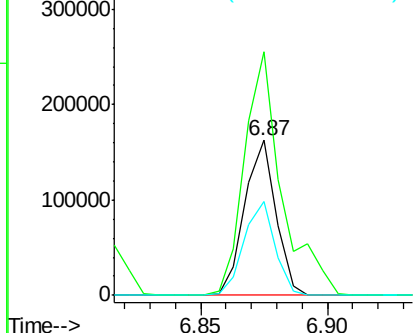
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 814  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 139567  
Ion Ratio Lower Upper  
152 100  
150 156.9 124.6 186.8  
115 60.1 50.1 75.1



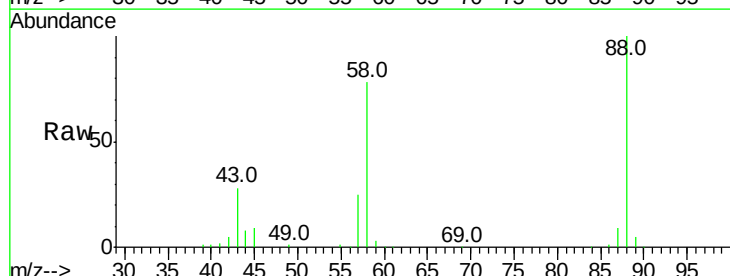
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



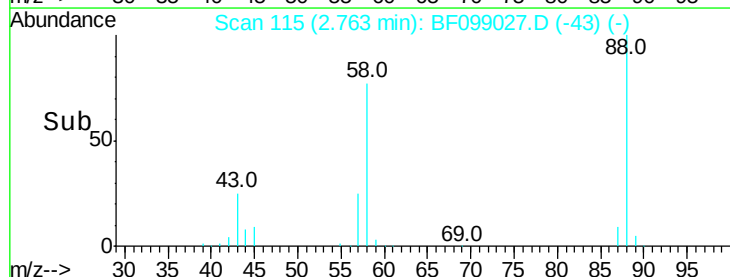
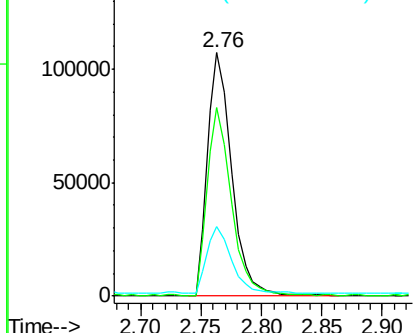
#2

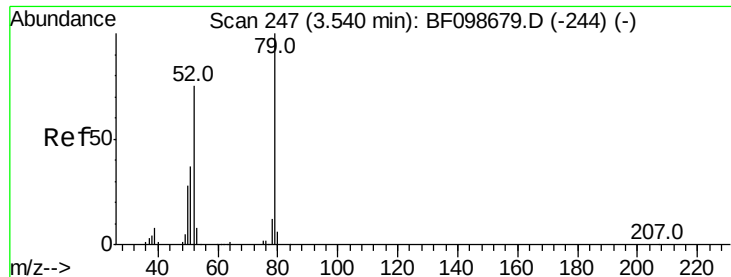
1,4-Dioxane  
Concen: 35.619 ng  
RT: 2.76 min Scan# 115  
Delta R.T. 0.12 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion: 88 Resp: 149172  
Ion Ratio Lower Upper  
88 100  
58 76.6 62.6 93.8  
43 27.6 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: 37.935 ng

RT: 3.52 min Scan# 244

Delta R.T. 0.11 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

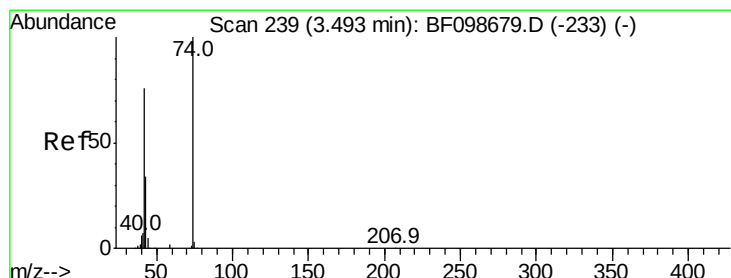
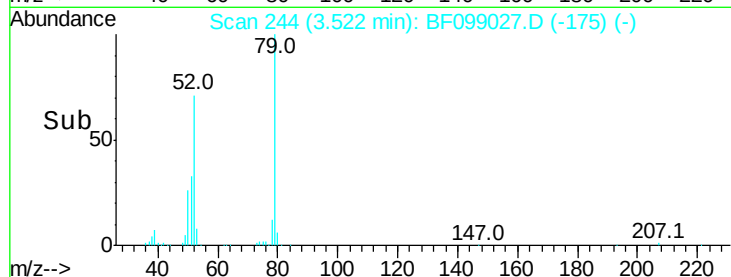
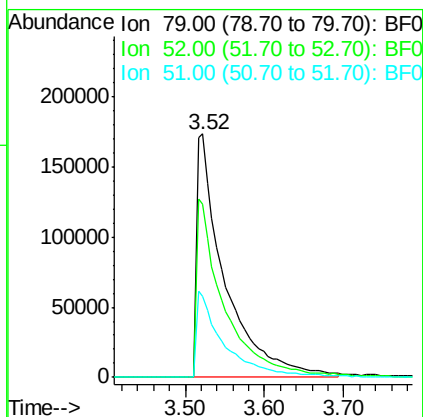
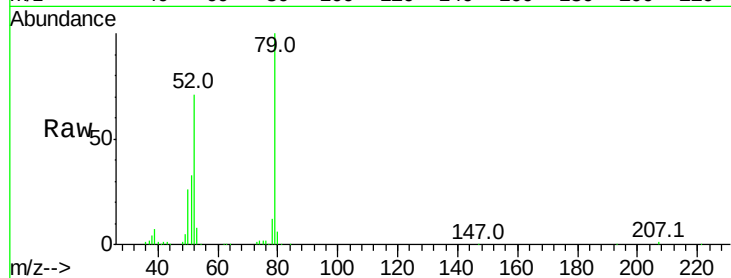
Tot Ion: 79 Resp: 429788

Ion Ratio Lower Upper

79 100

52 70.9 59.8 89.6

51 33.2 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 38.547 ng

RT: 3.48 min Scan# 237

Delta R.T. 0.11 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

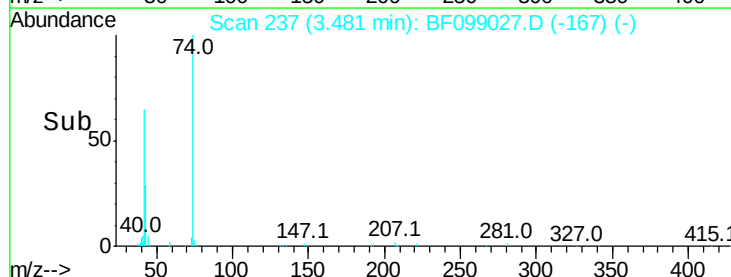
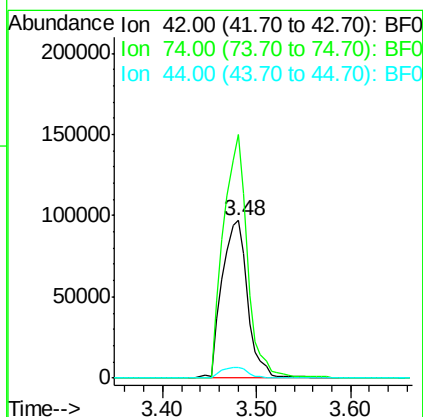
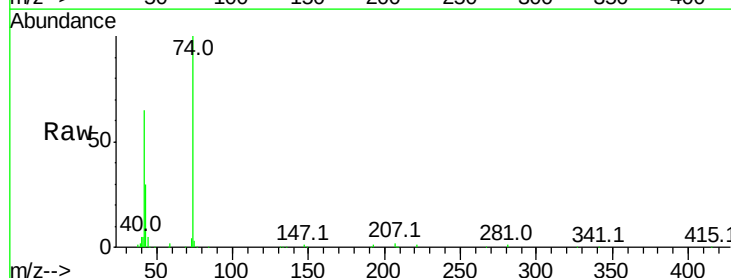
Tgt Ion: 42 Resp: 185189

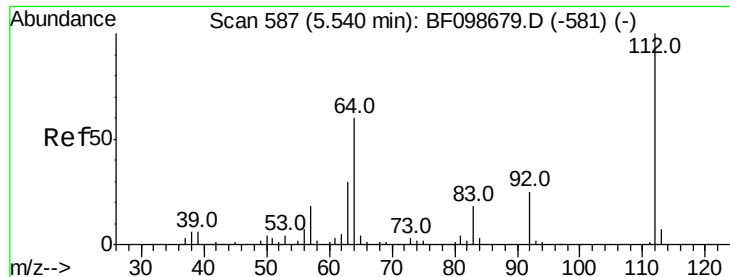
Ion Ratio Lower Upper

42 100

74 154.7 104.9 157.3

44 7.1 6.9 10.3





#5

2-Fluorophenol

Concen: 124.996 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

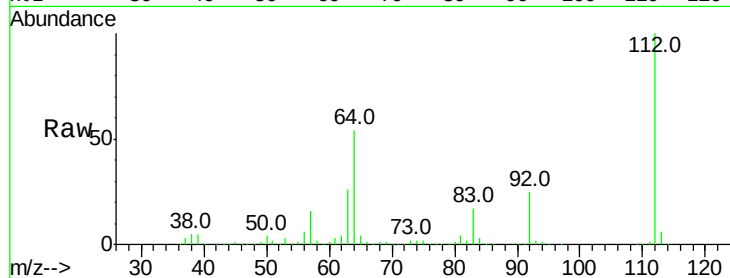
Tot Ion:112 Resp: 1095881

Ion Ratio Lower Upper

112 100

64 54.4 47.9 71.9

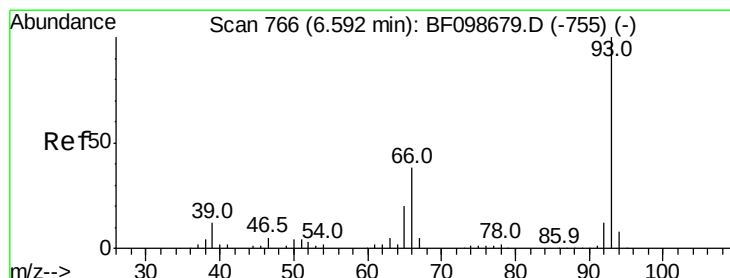
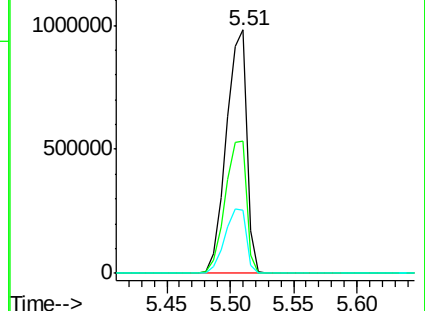
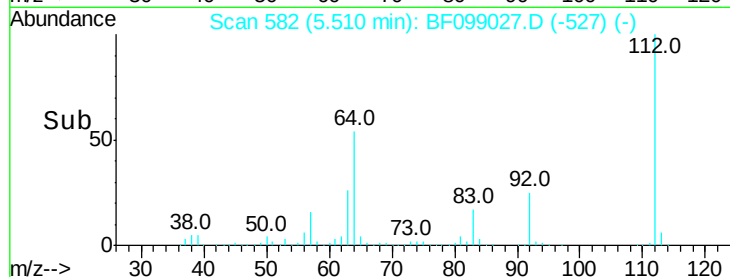
63 26.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 18.925 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

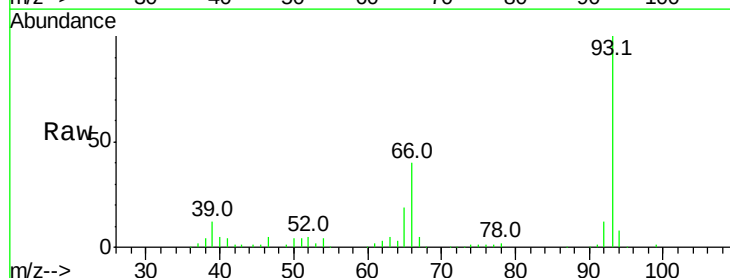
Tgt Ion: 93 Resp: 276252

Ion Ratio Lower Upper

93 100

66 39.5 32.2 48.2

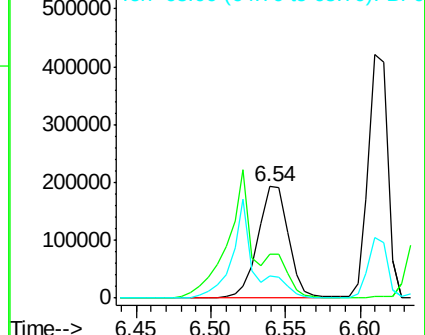
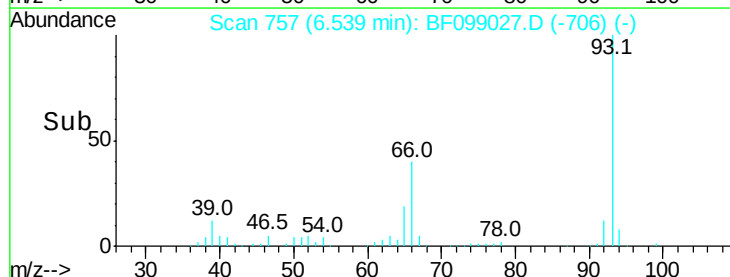
65 19.4 16.4 24.6

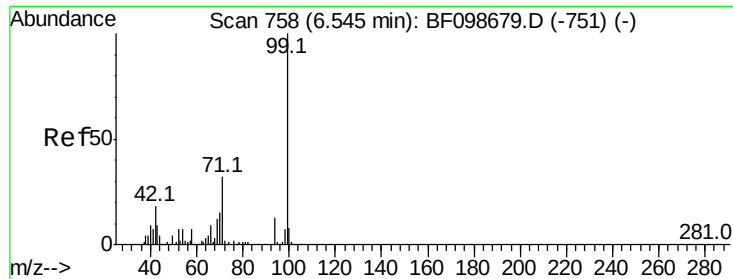


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 126.404 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

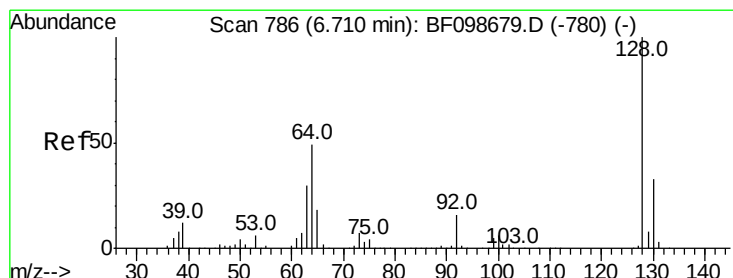
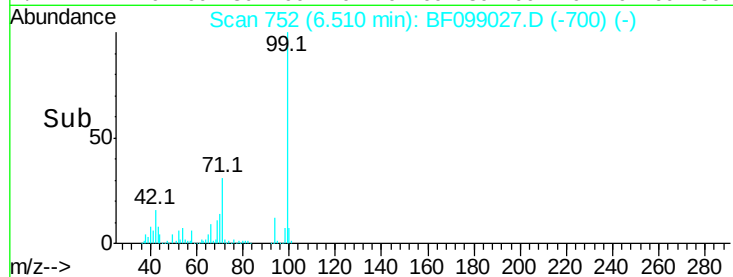
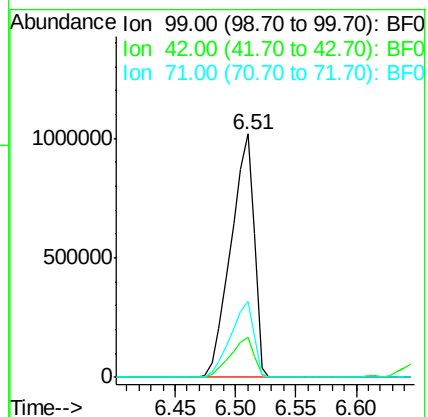
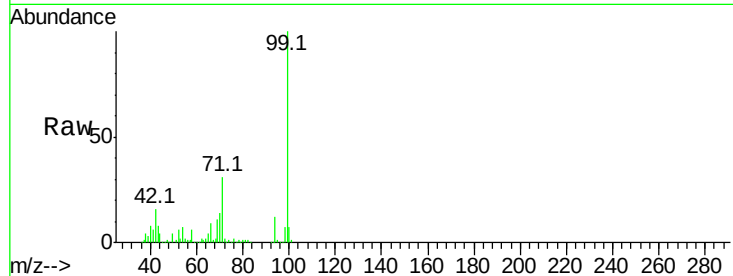
Tot Ion: 99 Resp: 1367122

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 31.2 25.4 38.0



#8

2-Chlorophenol

Concen: 40.882 ng

RT: 6.66 min Scan# 778

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

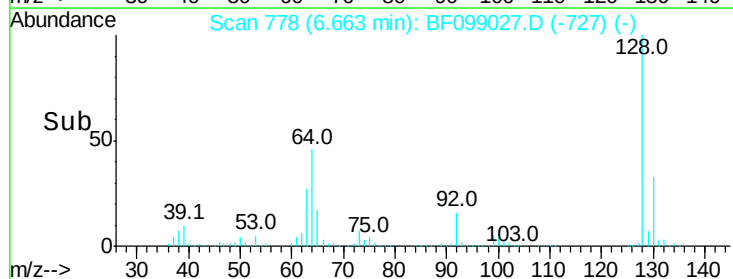
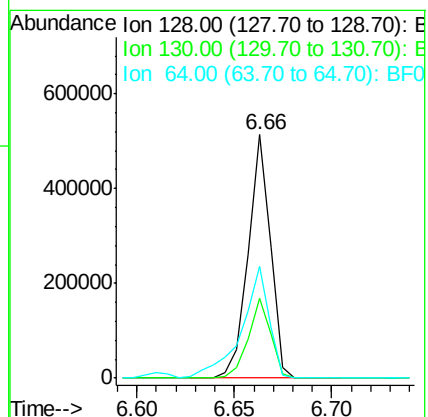
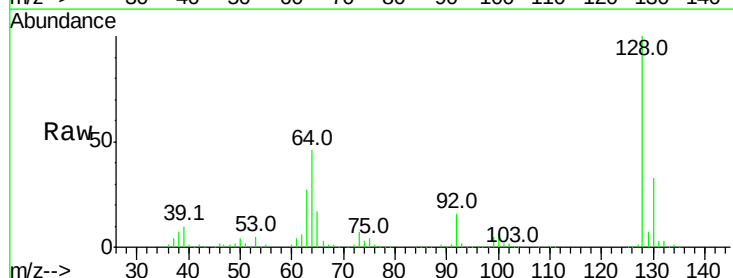
Tgt Ion:128 Resp: 405900

Ion Ratio Lower Upper

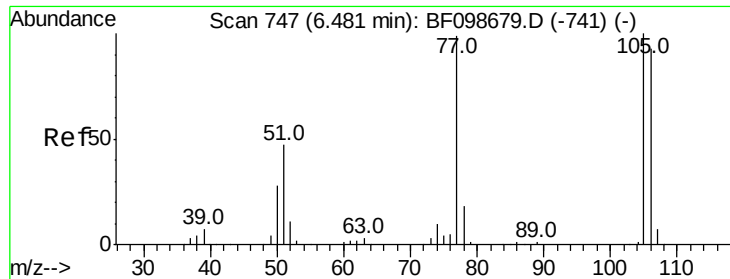
128 100

130 32.7 13.0 53.0

64 45.9 29.4 69.4







#9

Benzaldehyde

Concen: 32.009 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

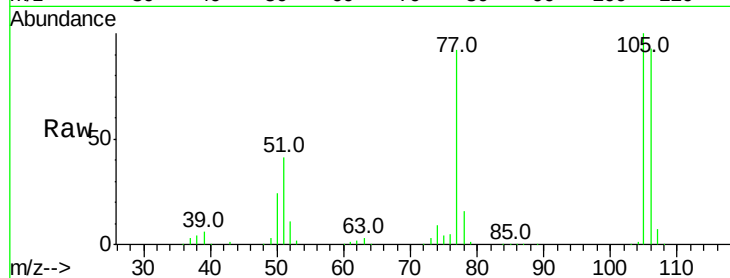
Tot Ion: 77 Resp: 200818

Ion Ratio Lower Upper

77 100

105 109.0 81.1 121.1

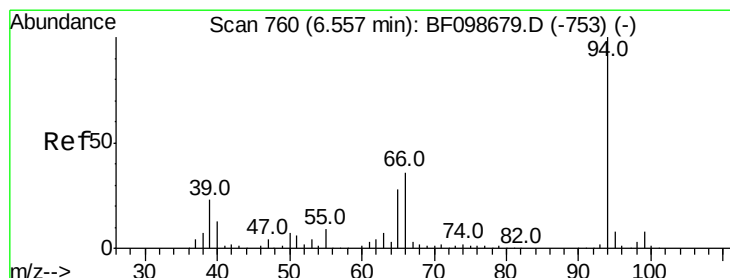
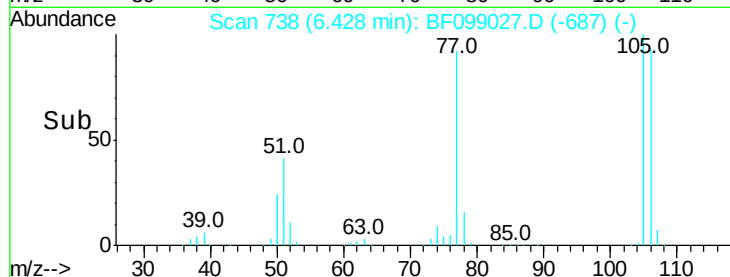
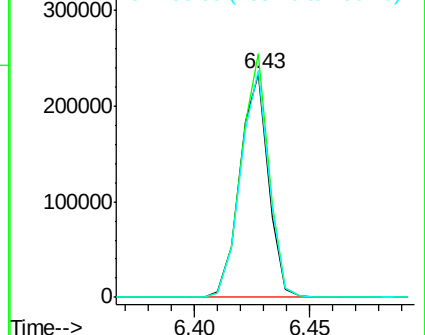
106 101.6 74.5 114.5



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: 40.894 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

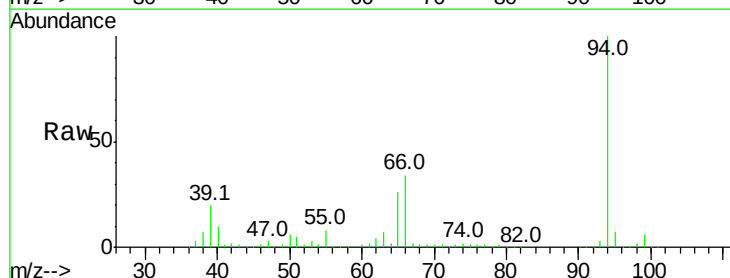
Tgt Ion: 94 Resp: 494648

Ion Ratio Lower Upper

94 100

65 26.3 7.9 47.9

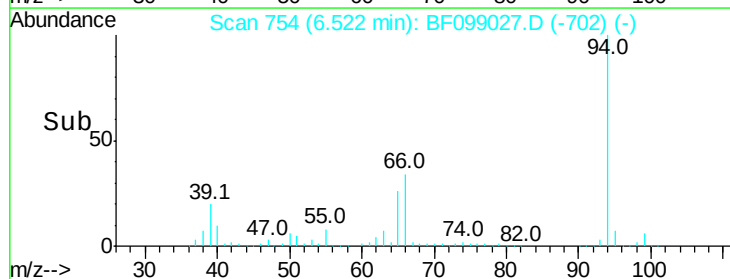
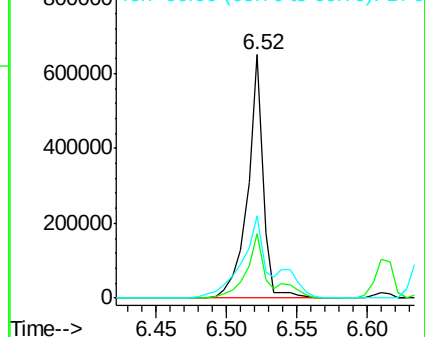
66 34.0 16.2 56.2



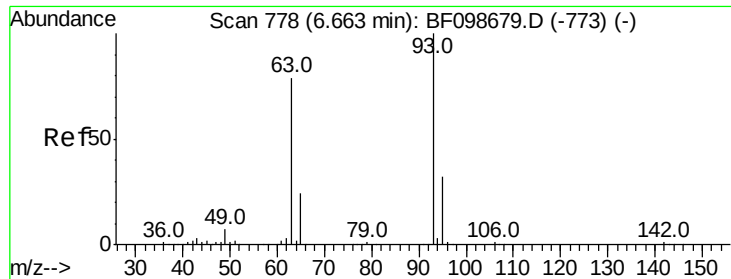
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



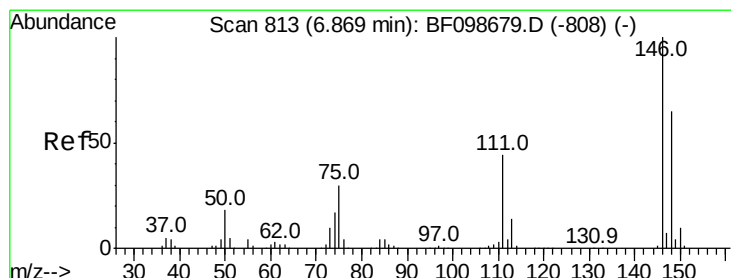
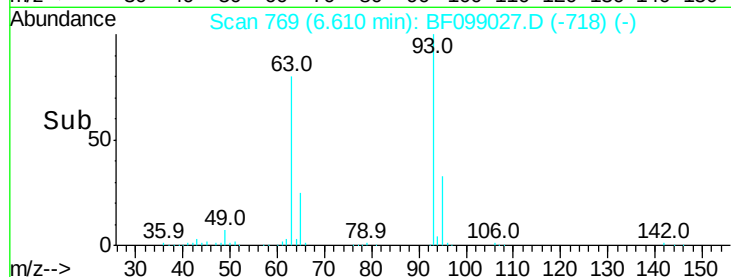
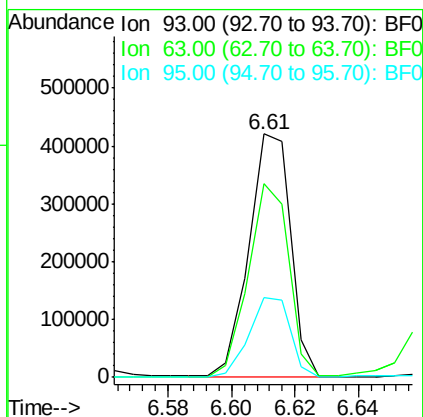
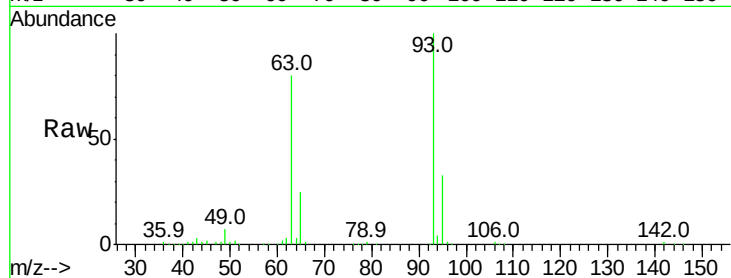




#11  
bis(2-Chloroethyl)ether  
Concen: 40.915 ng  
RT: 6.61 min Scan# 769  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

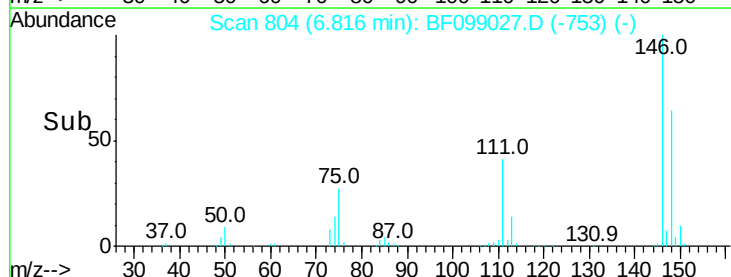
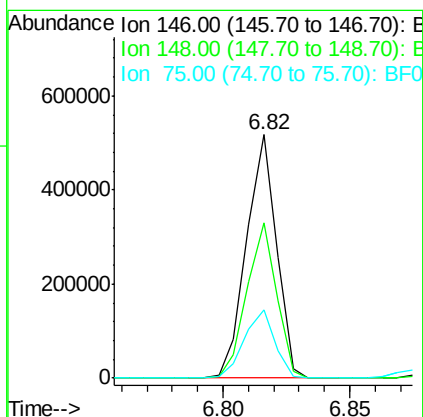
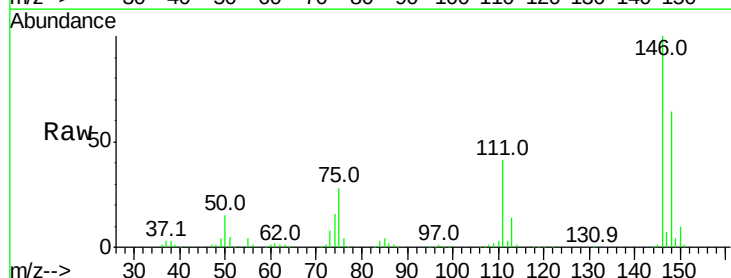
Instrument :  
BNA\_F  
ClientSampleId :

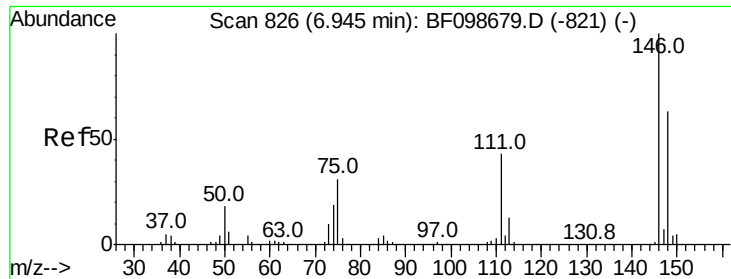
Tot Ion: 93 Resp: 384742  
Ion Ratio Lower Upper  
93 100  
63 79.8 58.6 98.6  
95 32.6 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 41.080 ng  
RT: 6.82 min Scan# 804  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion: 146 Resp: 427149  
Ion Ratio Lower Upper  
146 100  
148 63.7 51.8 77.8  
75 28.0 24.2 36.4

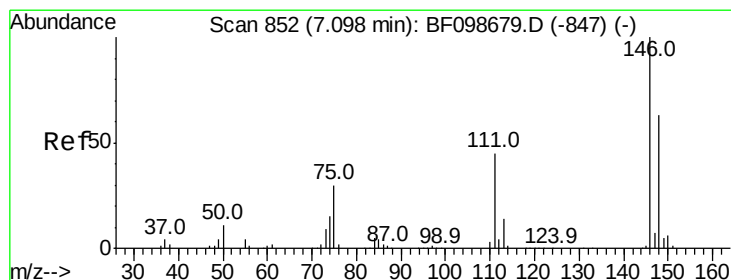
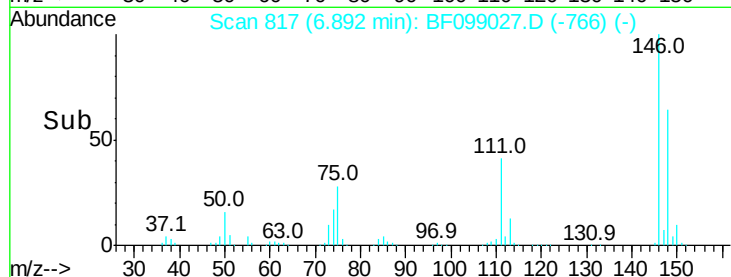
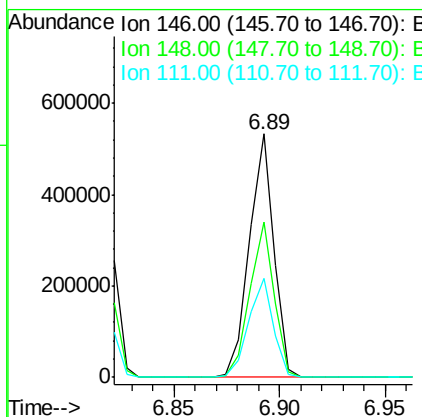
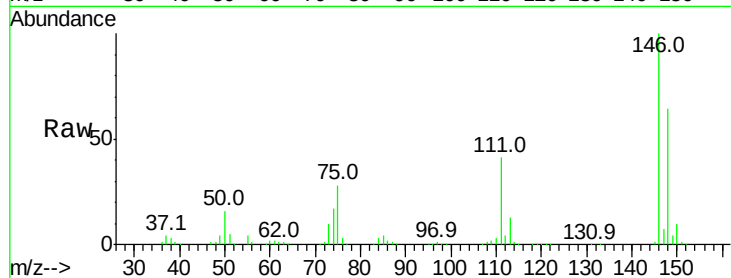




#13  
 1,4-Dichlorobenzene  
 Concen: 40.749 ng  
 RT: 6.89 min Scan# 817  
 Delta R.T. -0.00 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

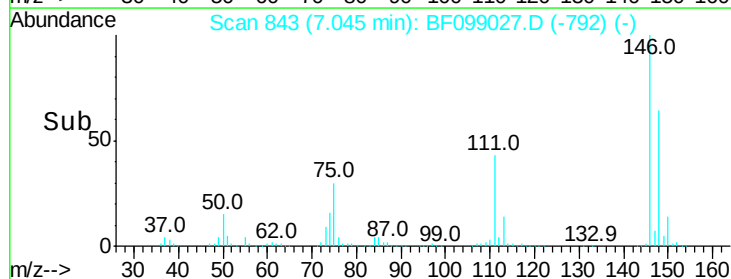
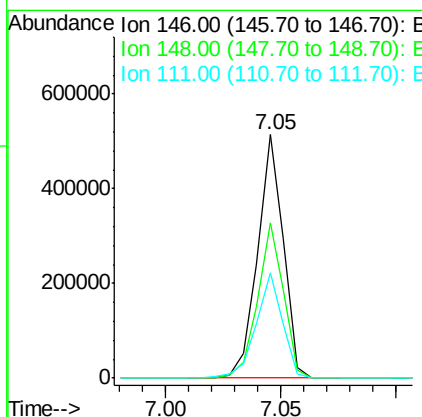
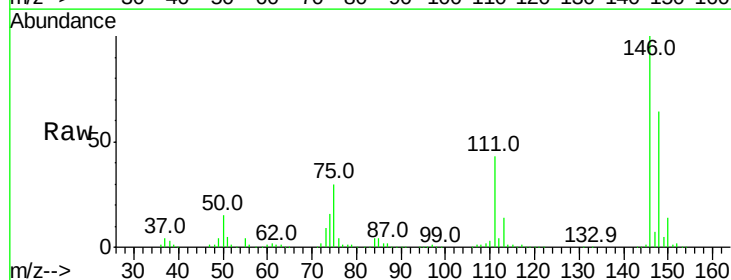
Instrument :  
 BNA\_F  
 ClientSampleId :

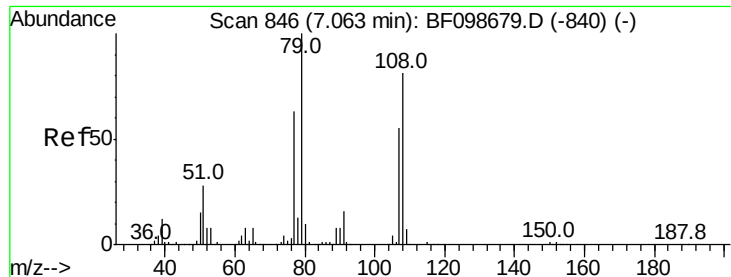
Tot Ion:146 Resp: 431093  
 Ion Ratio Lower Upper  
 146 100  
 148 63.6 50.8 76.2  
 111 40.9 34.2 51.2



#14  
 1,2-Dichlorobenzene  
 Concen: 40.869 ng  
 RT: 7.05 min Scan# 843  
 Delta R.T. -0.00 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

Tgt Ion:146 Resp: 399502  
 Ion Ratio Lower Upper  
 146 100  
 148 63.9 50.6 75.8  
 111 43.1 36.0 54.0





#15

Benzyl Alcohol

Concen: 42.254 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampled :

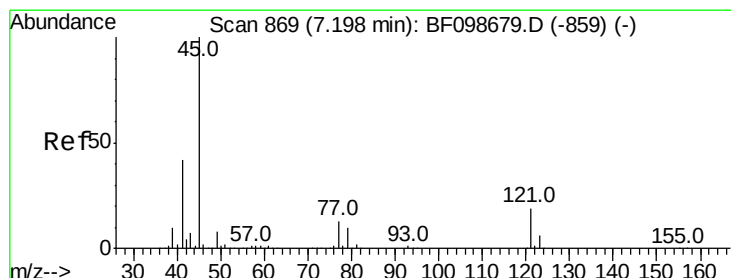
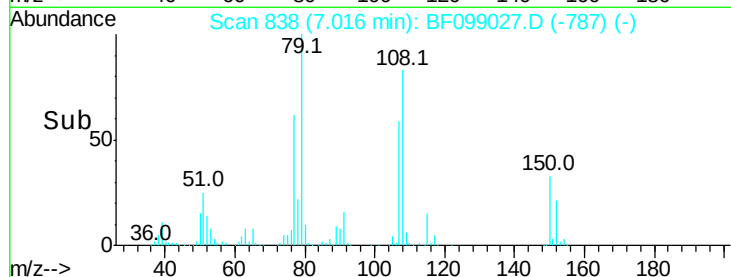
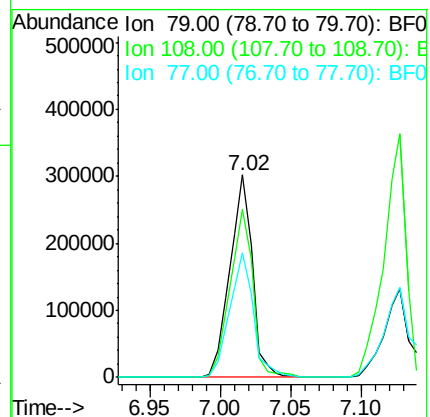
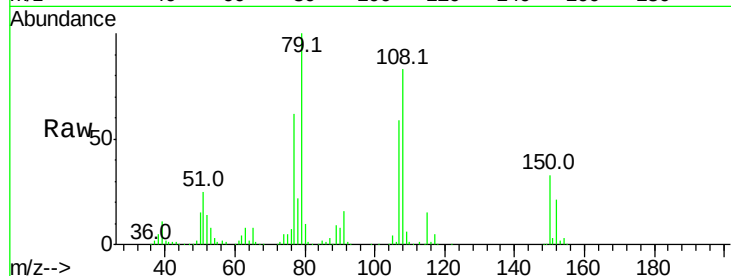
Tot Ion: 79 Resp: 335259

Ion Ratio Lower Upper

79 100

108 83.4 65.1 97.7

77 61.9 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.887 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

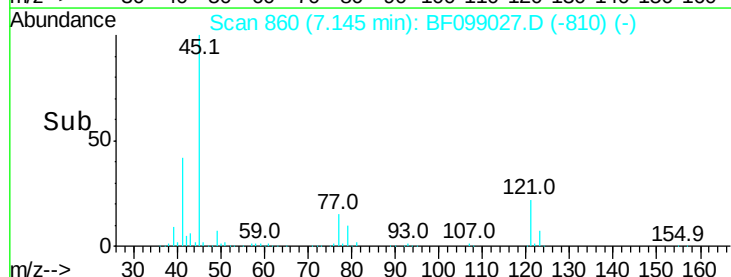
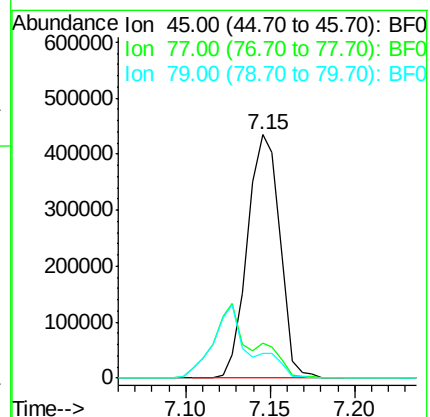
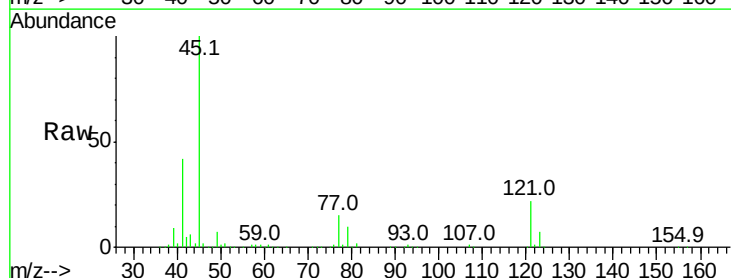
Tgt Ion: 45 Resp: 584366

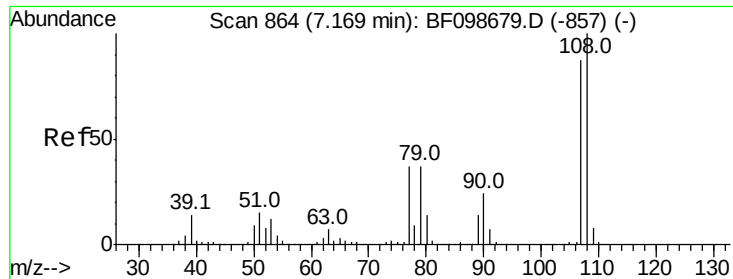
Ion Ratio Lower Upper

45 100

77 14.5 0.0 32.9

79 10.3 0.0 29.6

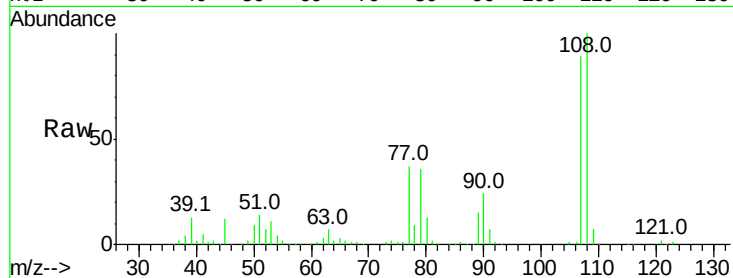




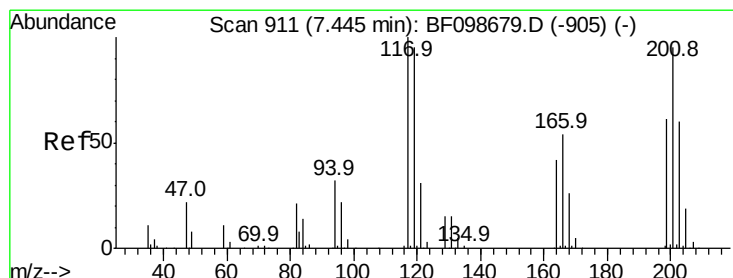
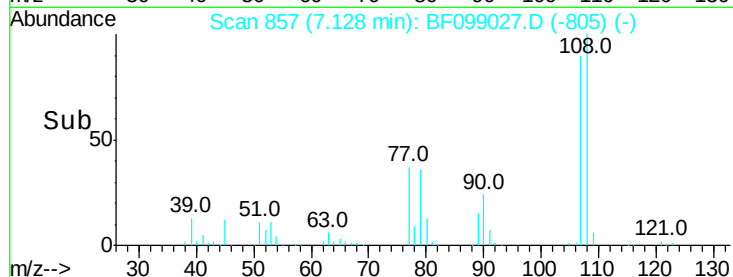
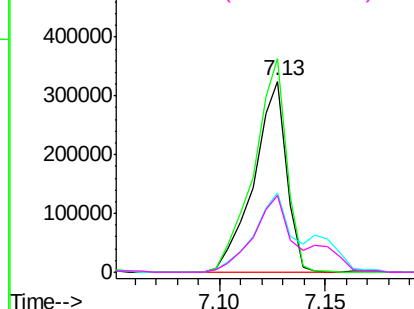
#17  
2-Methylphenol  
Concen: 43.409 ng  
RT: 7.13 min Scan# 857  
Delta R.T. 0.01 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:107 Resp: 352649  
Ion Ratio Lower Upper  
107 100  
108 111.8 91.7 137.5  
77 41.4 33.8 50.8  
79 40.5 33.8 50.8

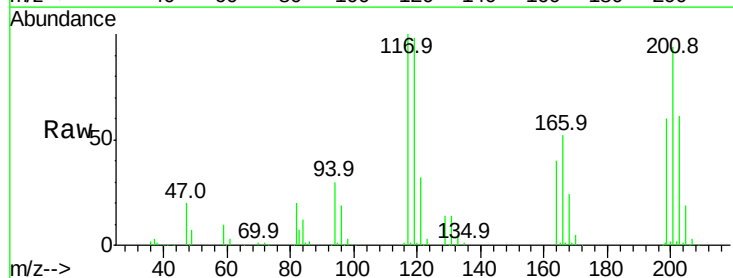


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

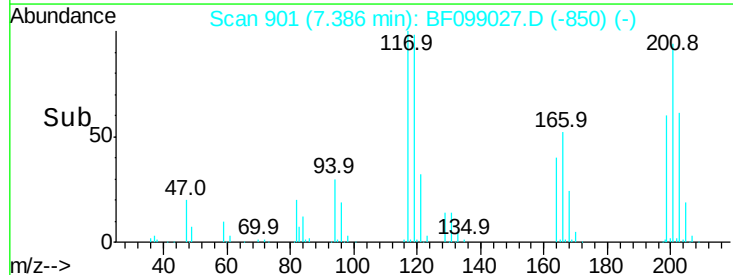
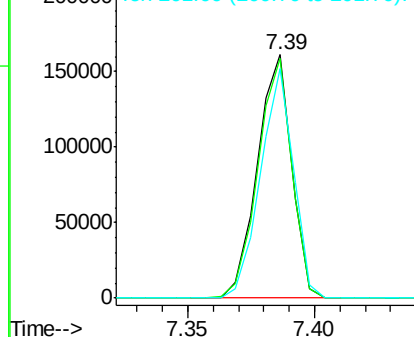


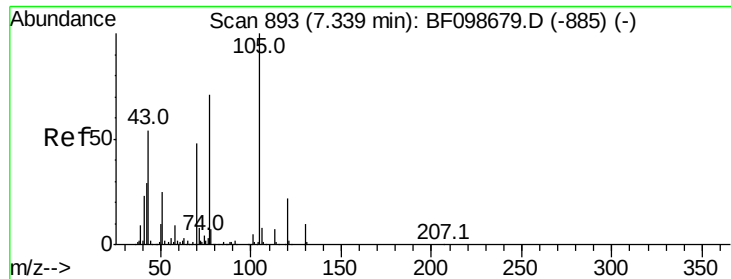
#18  
Hexachloroethane  
Concen: 40.013 ng  
RT: 7.39 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion:117 Resp: 152154  
Ion Ratio Lower Upper  
117 100  
119 98.4 75.8 113.8  
201 94.3 75.7 113.5



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

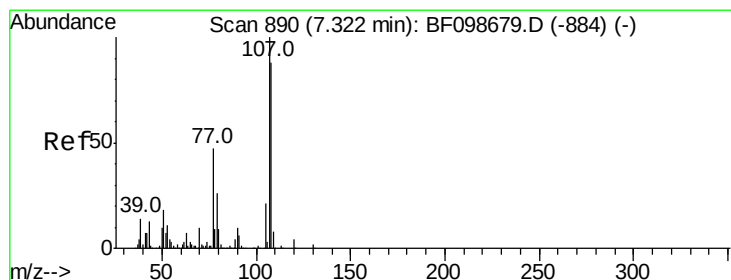
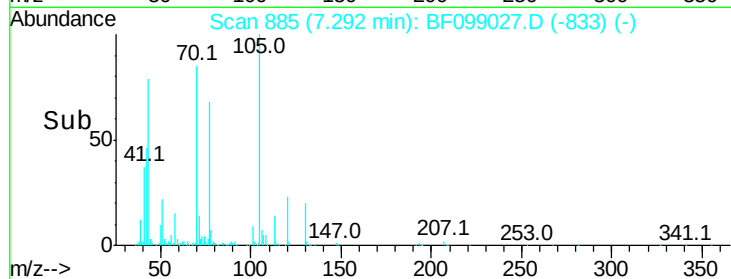
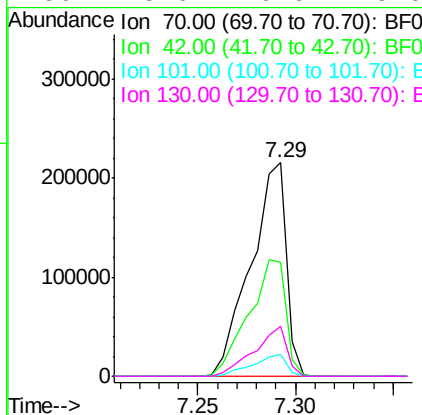
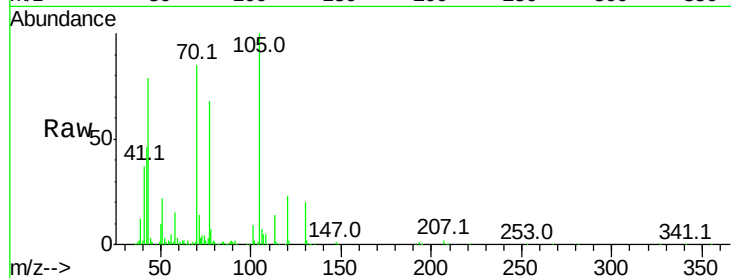




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.277 ng  
RT: 7.29 min Scan# 885  
Delta R.T. 0.01 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

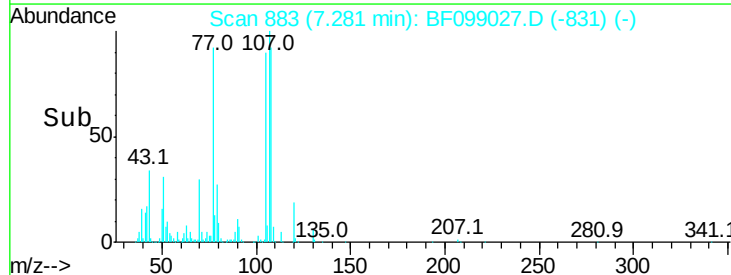
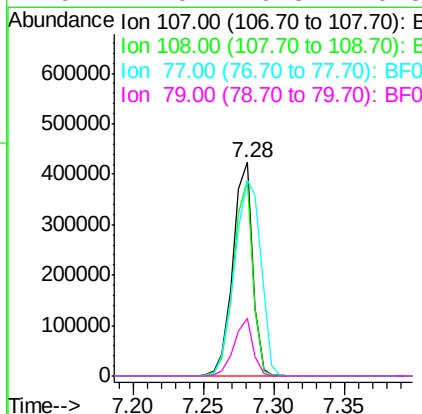
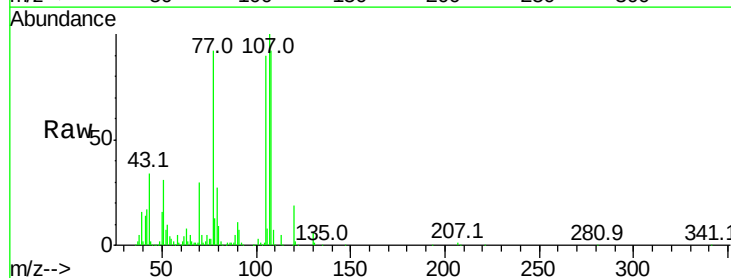
Instrument :  
BNA\_F  
ClientSampleId :

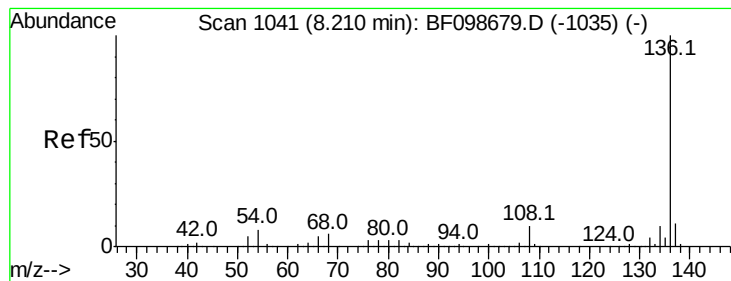
Tot Ion: 70 Resp: 271213  
Ion Ratio Lower Upper  
70 100  
42 53.6 47.5 71.3  
101 10.1 7.4 11.2  
130 23.6 16.6 25.0



#20  
3+4-Methylphenols  
Concen: 40.312 ng  
RT: 7.28 min Scan# 883  
Delta R.T. 0.01 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion: 107 Resp: 414301  
Ion Ratio Lower Upper  
107 100  
108 91.7 68.2 108.2  
77 91.7 26.7 66.7#  
79 27.0 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 586037

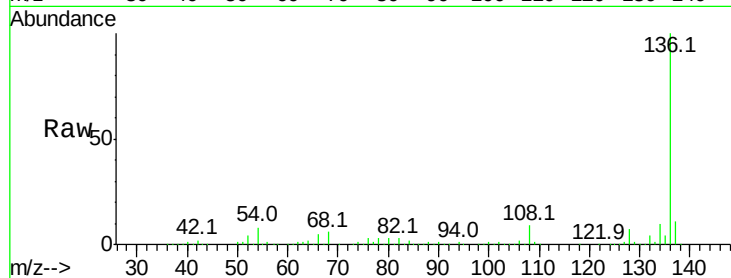
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.5 6.6 9.8

68 6.2 5.0 7.4

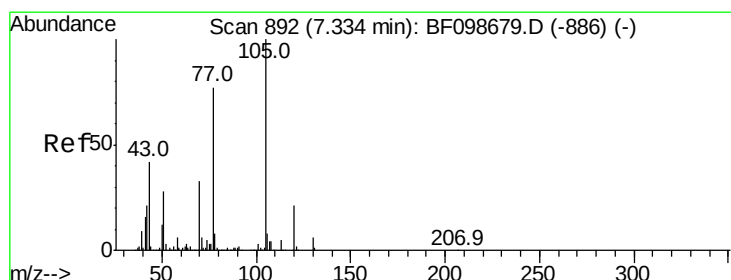
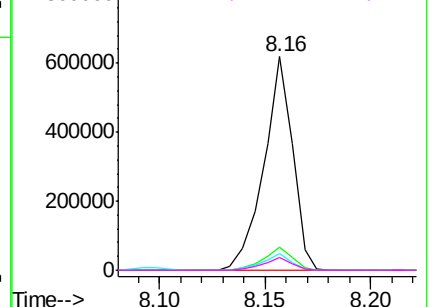
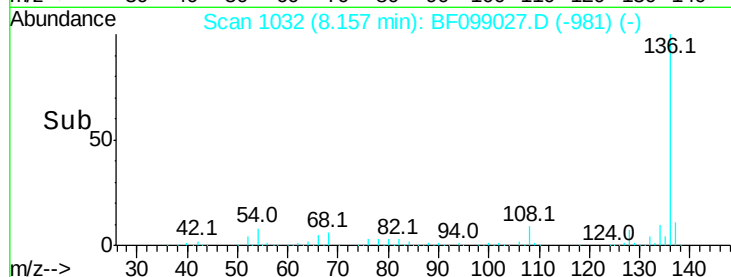


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.732 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Tgt Ion:105 Resp: 549945

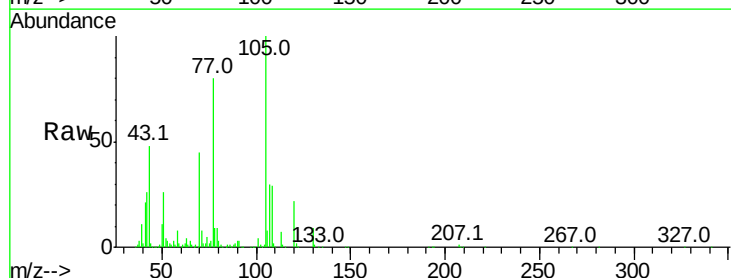
Ion Ratio Lower Upper

105 100

71 7.8 4.4 6.6#

51 26.3 22.3 33.5

120 21.5 16.9 25.3

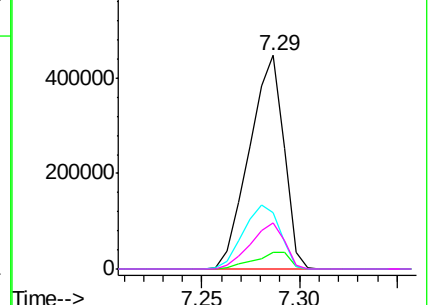
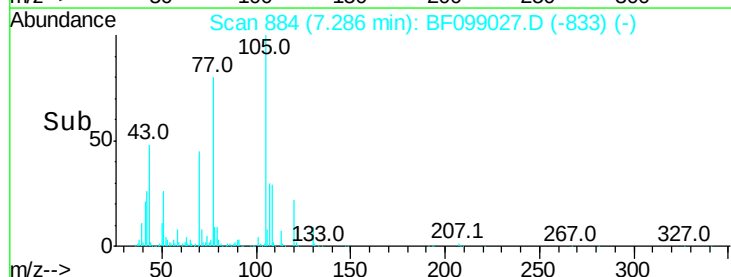


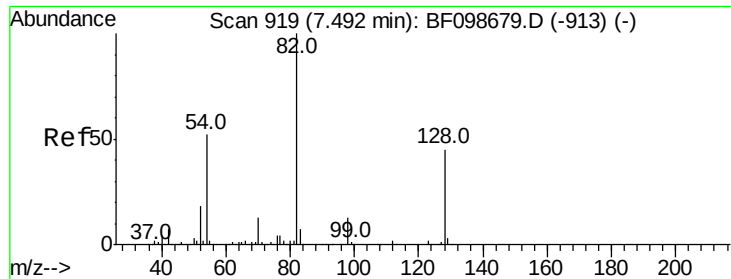
Abundance Ion 105.00 (104.70 to 105.70): E

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

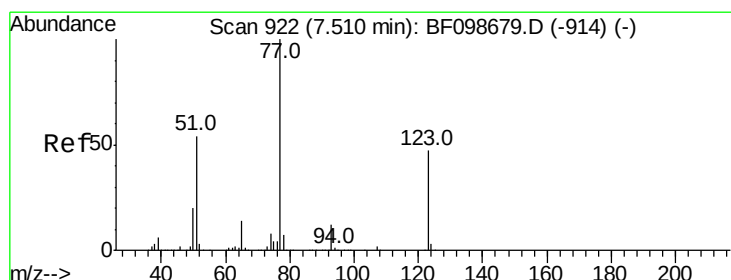
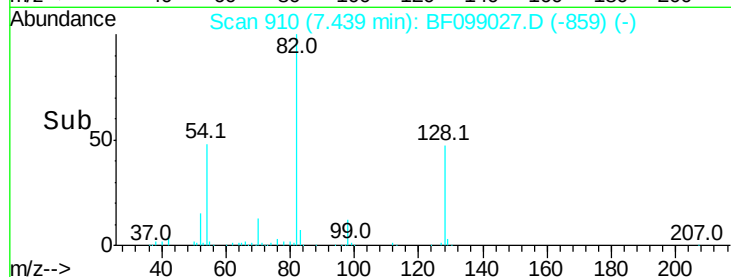
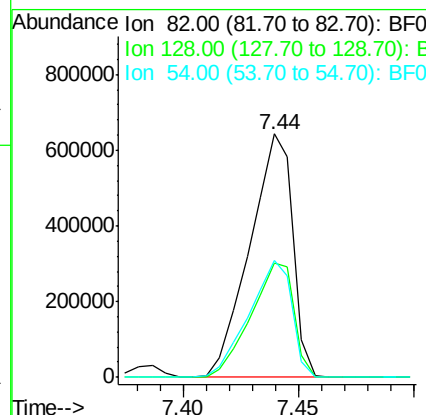
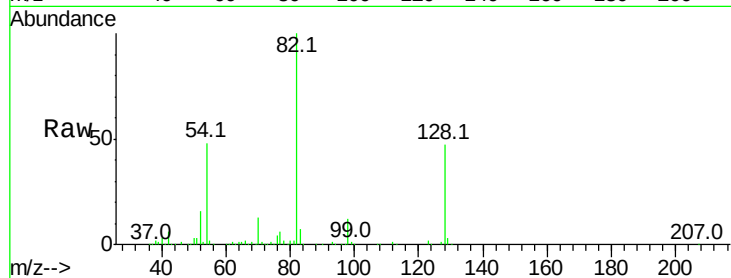




#23  
Nitrobenzene-d5  
Concen: 90.960 ng  
RT: 7.44 min Scan# 910  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

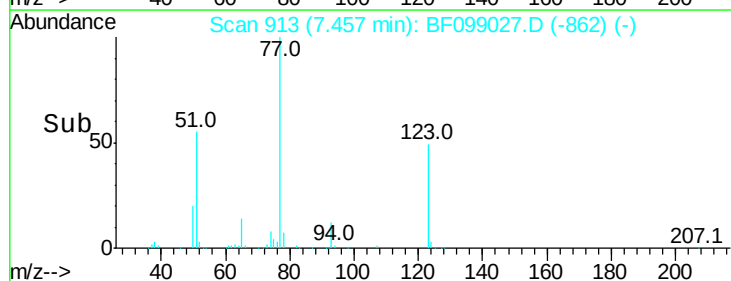
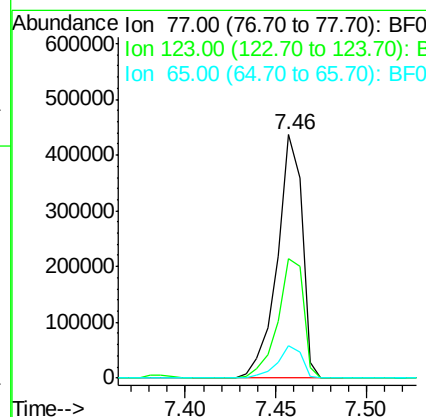
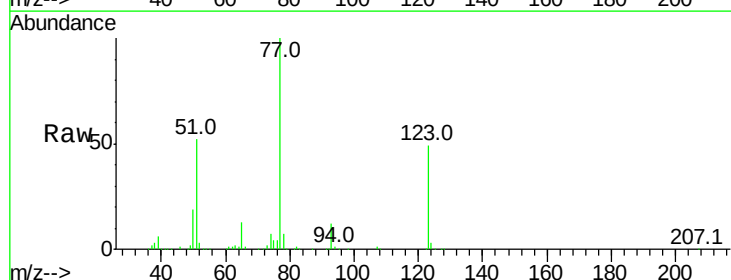
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 831213  
Ion Ratio Lower Upper  
82 100  
128 46.8 36.1 54.1  
54 48.1 41.4 62.2

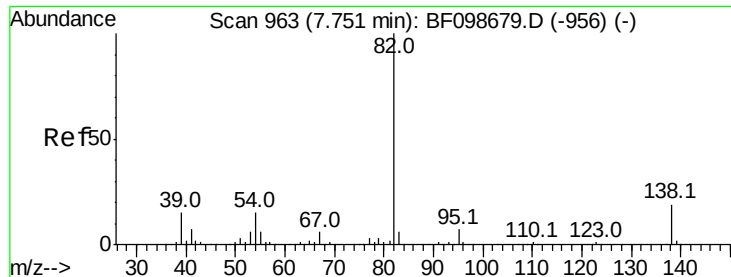


#24  
Nitrobenzene  
Concen: 40.156 ng  
RT: 7.46 min Scan# 913  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion: 77 Resp: 416260  
Ion Ratio Lower Upper  
77 100  
123 49.3 37.9 56.9  
65 13.3 11.0 16.4







#25

Isophorone

Concen: 41.916 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

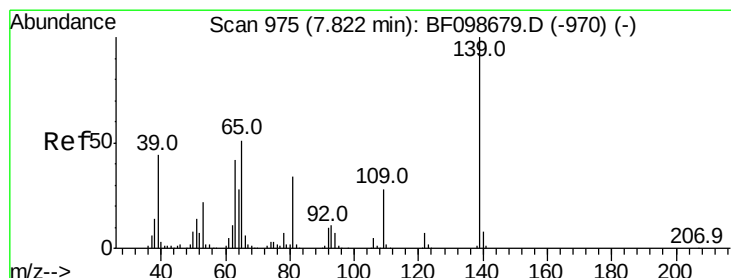
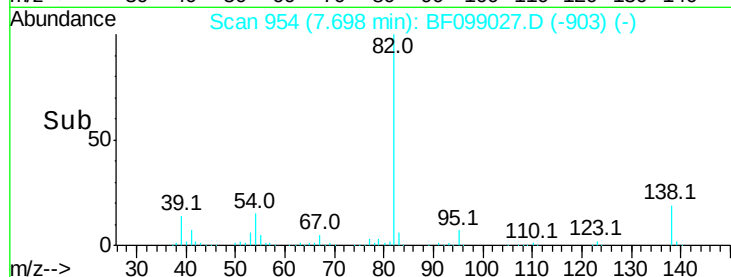
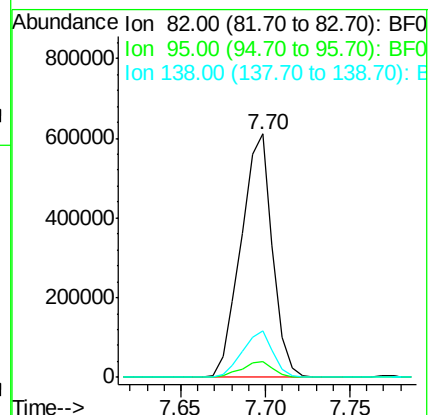
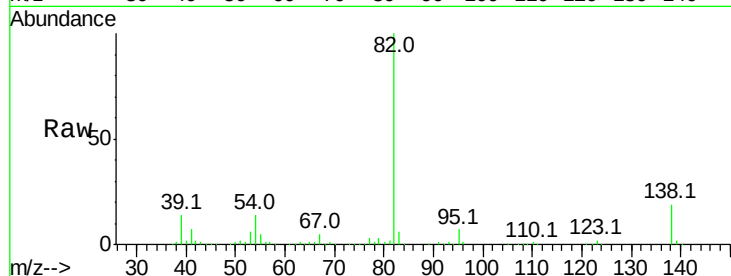
Tot Ion: 82 Resp: 791943

Ion Ratio Lower Upper

82 100

95 6.6 5.2 7.8

138 19.0 14.9 22.3



#26

2-Nitrophenol

Concen: 46.593 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

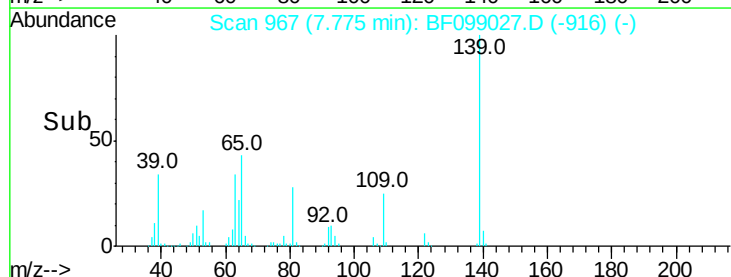
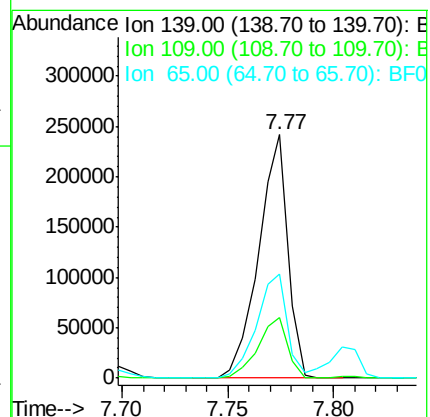
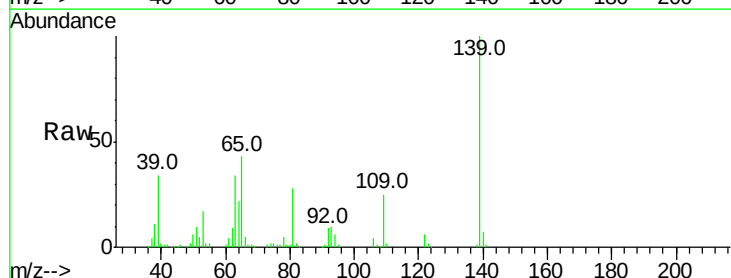
Tgt Ion: 139 Resp: 232258

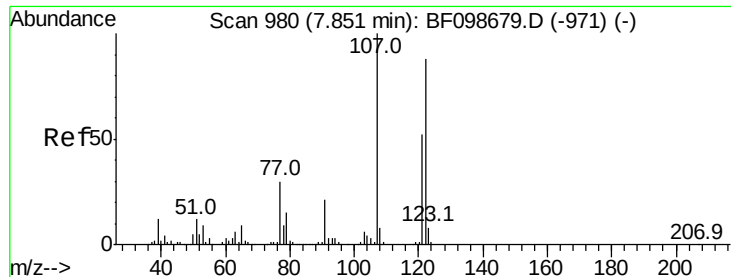
Ion Ratio Lower Upper

139 100

109 24.6 22.7 34.1

65 42.7 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 41.704 ng

RT: 7.81 min Scan# 973

Delta R.T. 0.01 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

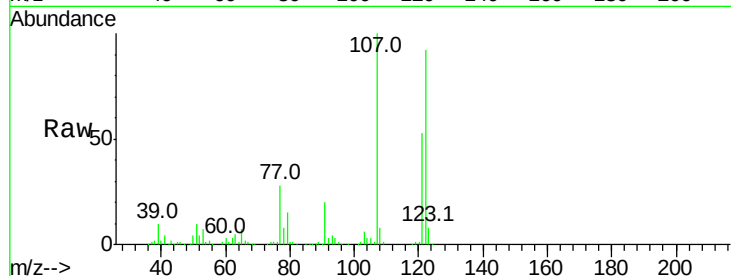
Tot Ion:122 Resp: 392600

Ion Ratio Lower Upper

122 100

107 108.8 91.2 136.8

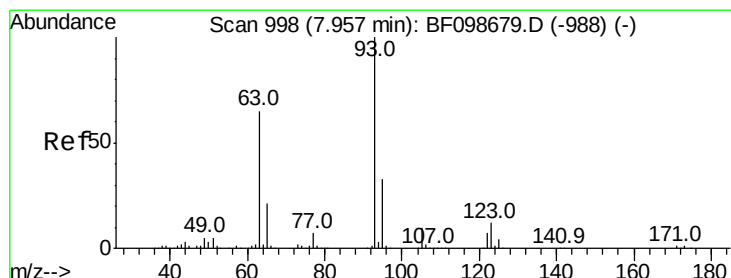
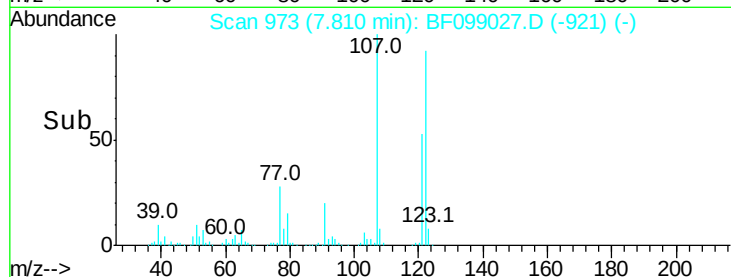
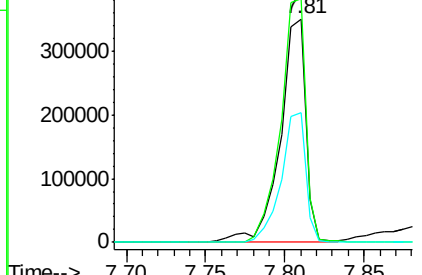
121 58.0 47.2 70.8



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: 42.500 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

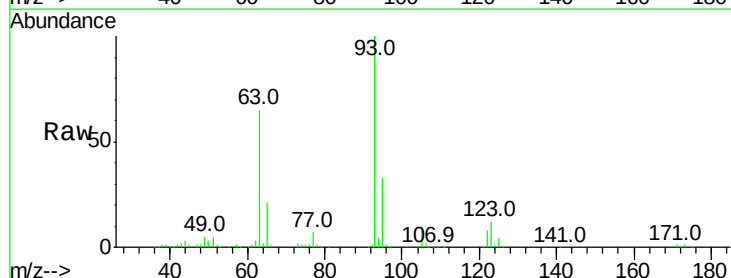
Tgt Ion: 93 Resp: 500393

Ion Ratio Lower Upper

93 100

95 32.8 26.3 39.5

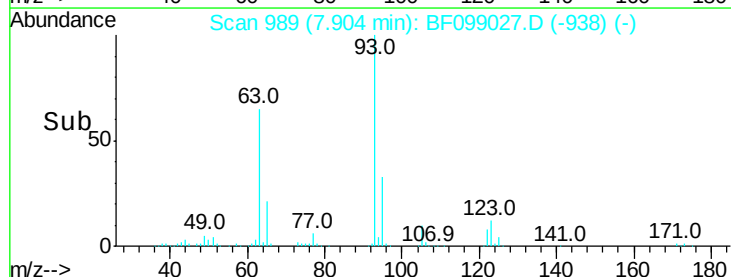
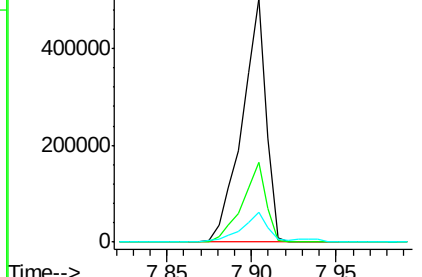
123 12.1 9.8 14.6

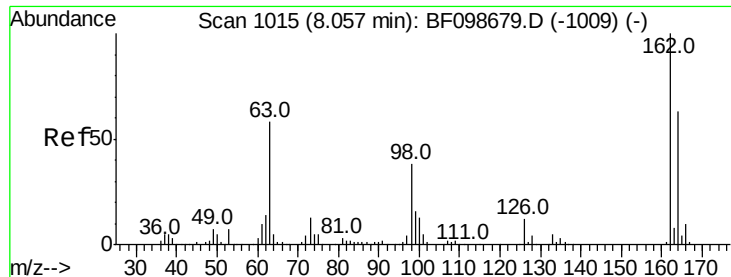


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

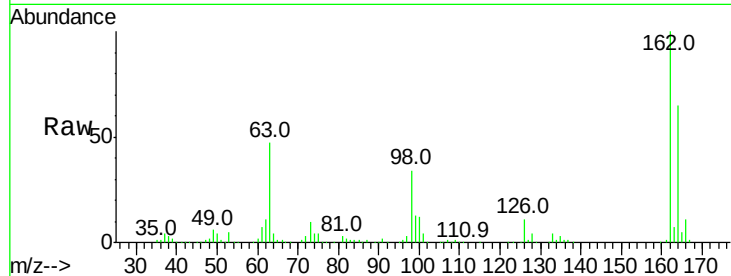




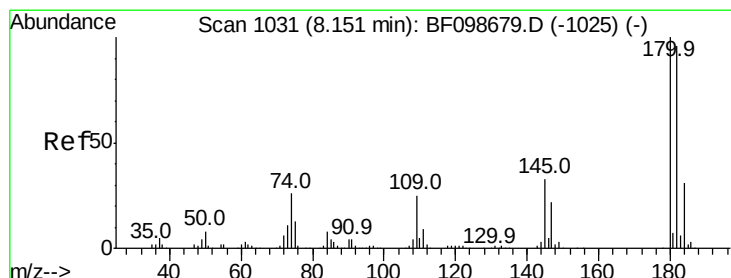
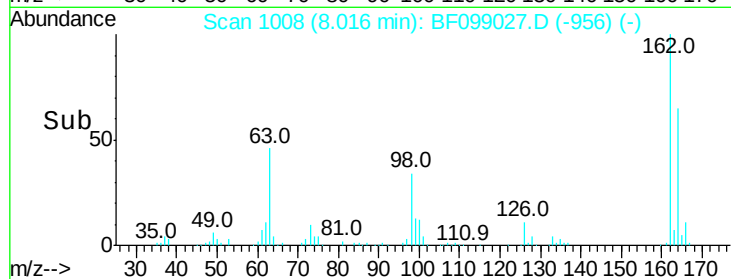
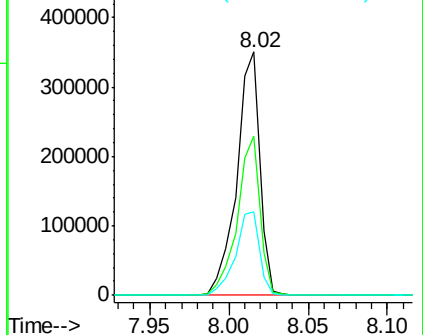
#29  
 2,4-Dichlorophenol  
 Concen: 43.911 ng  
 RT: 8.02 min Scan# 1008  
 Delta R.T. 0.01 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:162 Resp: 354911  
 Ion Ratio Lower Upper  
 162 100  
 164 65.3 42.7 82.7  
 98 34.4 18.1 58.1

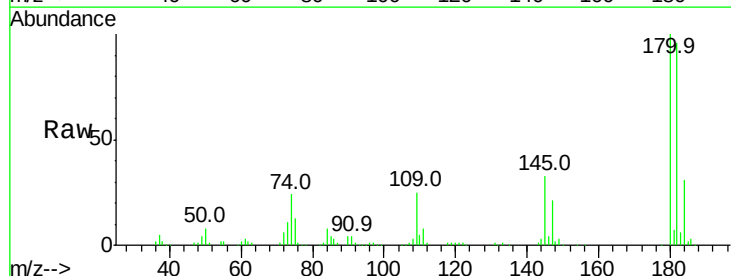


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

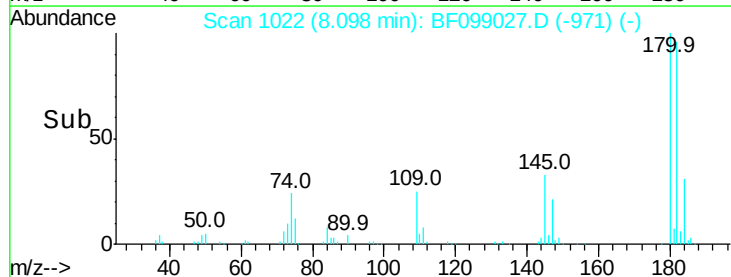
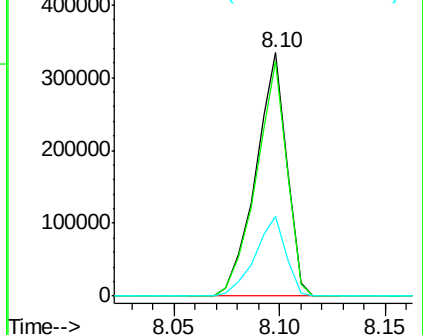


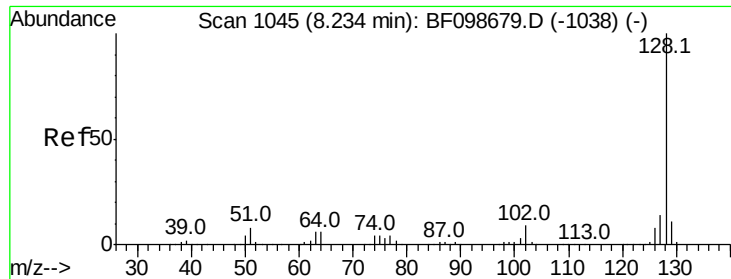
#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.068 ng  
 RT: 8.10 min Scan# 1022  
 Delta R.T. -0.00 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

Tgt Ion:180 Resp: 340075  
 Ion Ratio Lower Upper  
 180 100  
 182 96.5 76.8 115.2  
 145 32.8 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

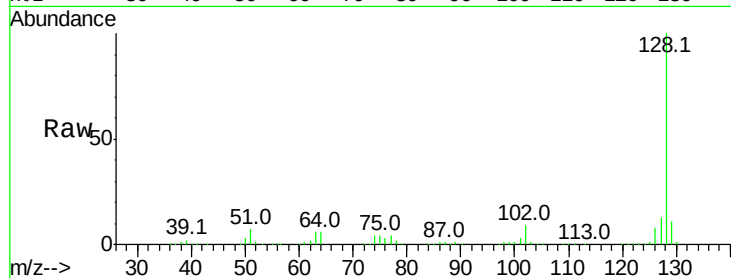




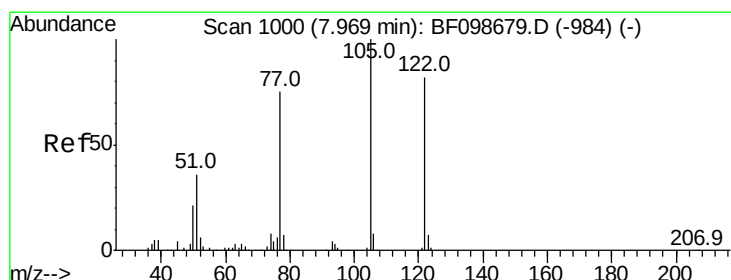
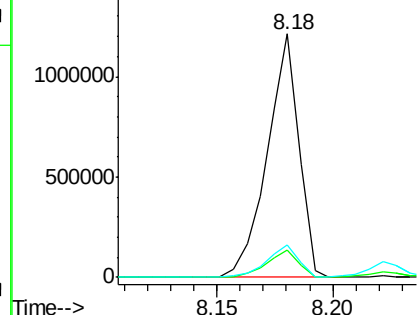
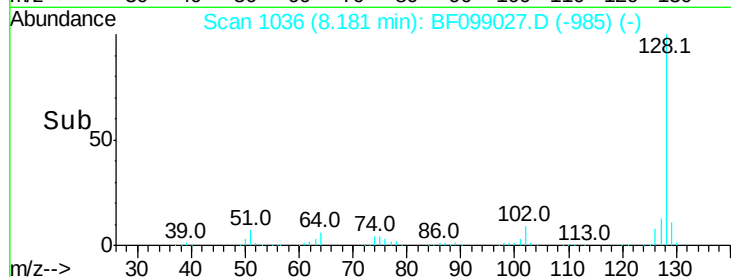
#31  
Naphthalene  
Concen: 42.042 ng  
RT: 8.18 min Scan# 1036  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:128 Resp: 1157175  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.8 13.2  
127 13.1 10.9 16.3

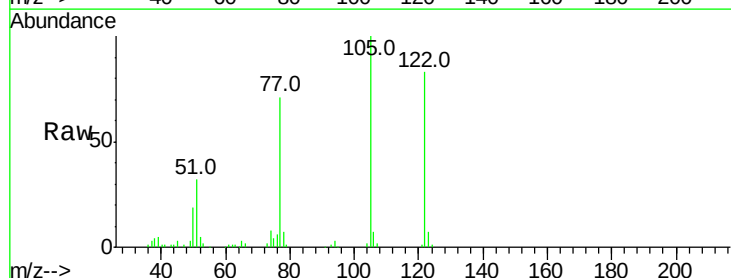


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

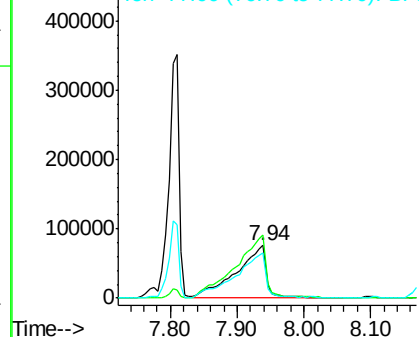
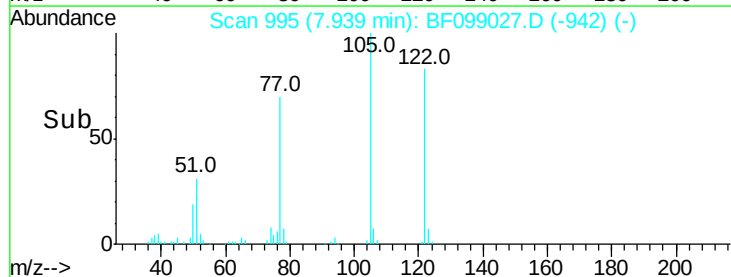


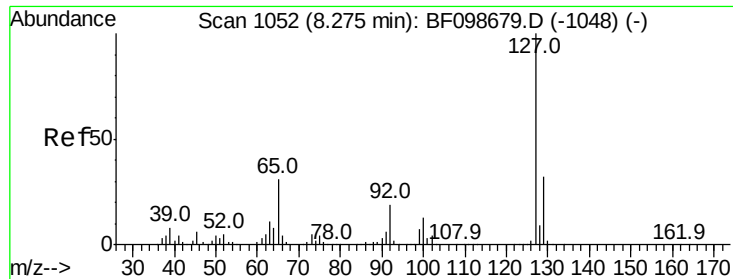
#32  
Benzoic acid  
Concen: 30.621 ng  
RT: 7.94 min Scan# 995  
Delta R.T. 0.01 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion:122 Resp: 236786  
Ion Ratio Lower Upper  
122 100  
105 120.8 101.1 141.1  
77 86.0 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

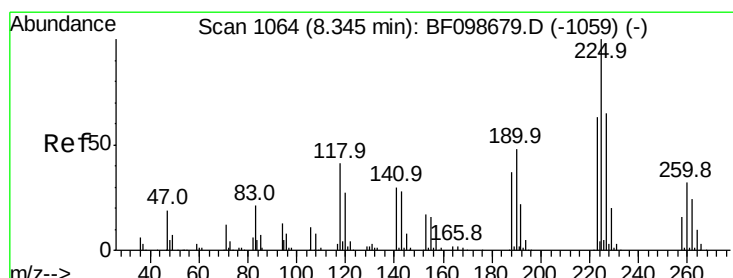
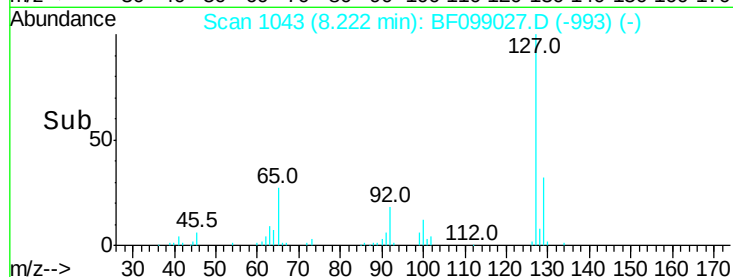
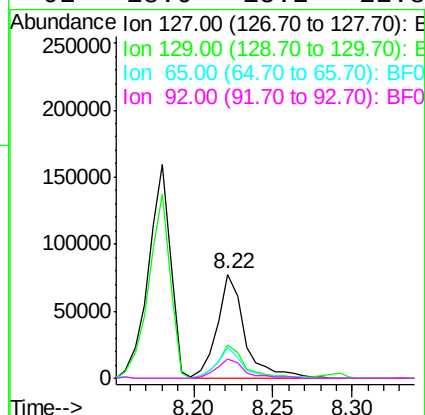
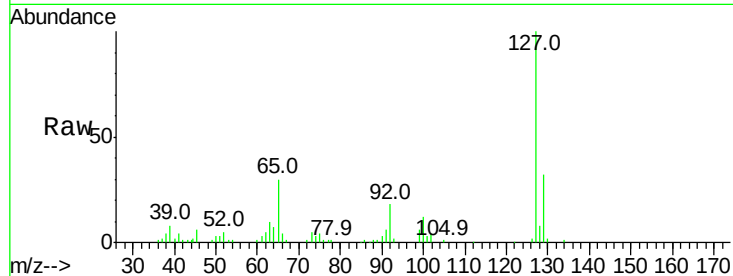




#33  
4-Chloroaniline  
Concen: 8.045 ng  
RT: 8.22 min Scan# 1043  
Delta R.T. -0.01 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

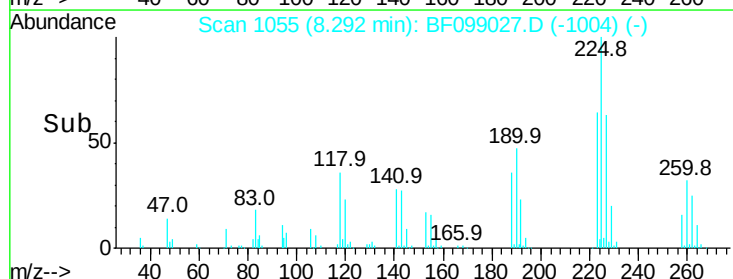
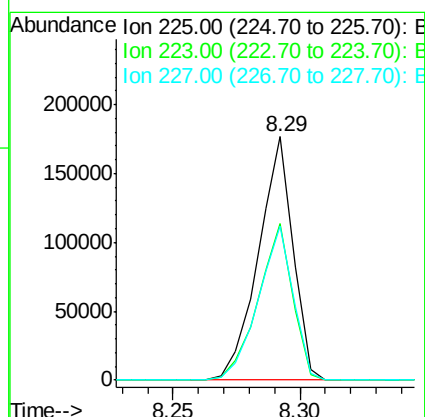
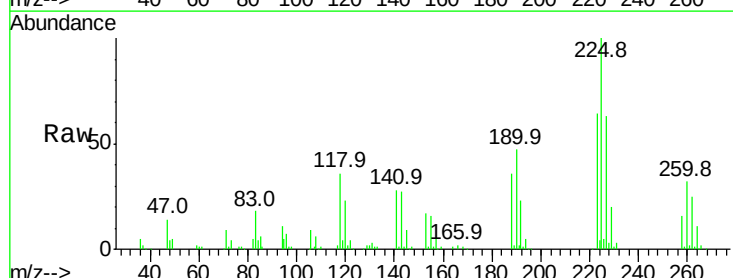
Instrument :  
BNA\_F  
ClientSampled :

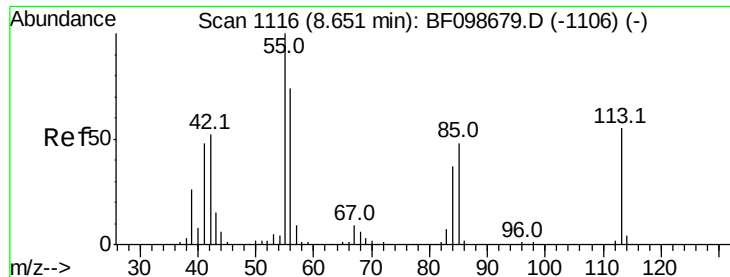
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 92473 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.8  | 25.9  | 38.9  |
| 65       | 29.7  | 25.0  | 37.4  |
| 92       | 18.0  | 15.2  | 22.8  |



#34  
Hexachlorobutadiene  
Concen: 40.312 ng  
RT: 8.29 min Scan# 1055  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 167851 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.4  | 50.6  | 76.0   |
| 227      | 63.5  | 51.9  | 77.9   |

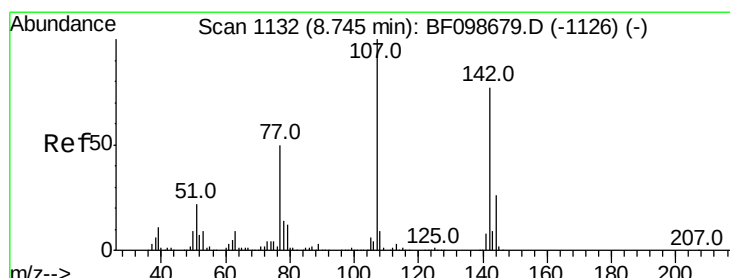
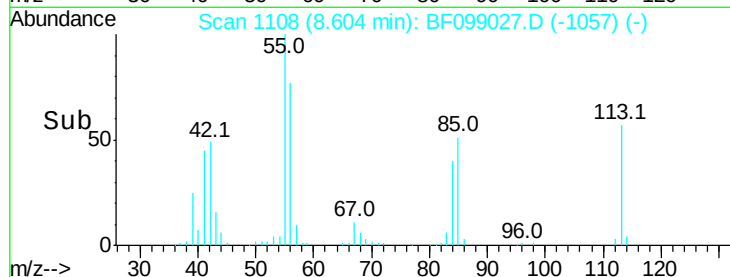
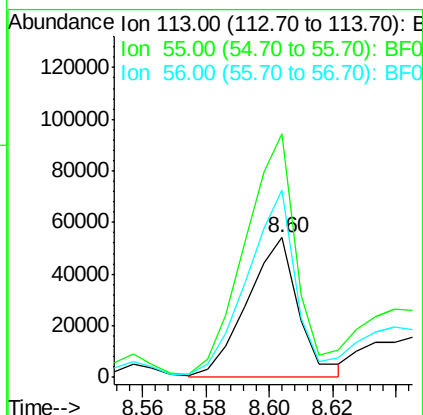
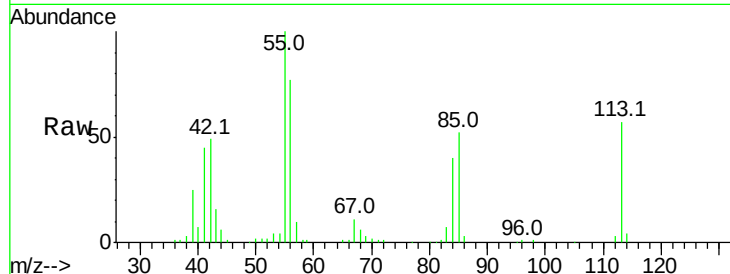




#35  
 Caprolactam  
 Concen: 23.583 ng  
 RT: 8.60 min Scan# 1108  
 Delta R.T. -0.00 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

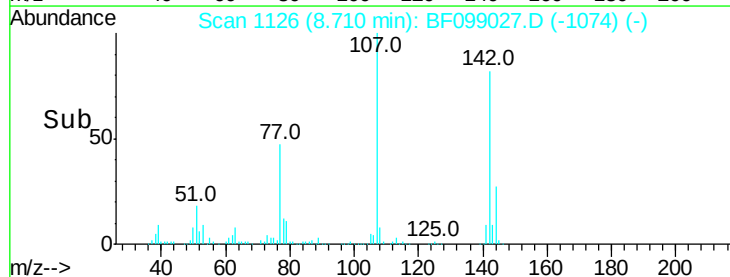
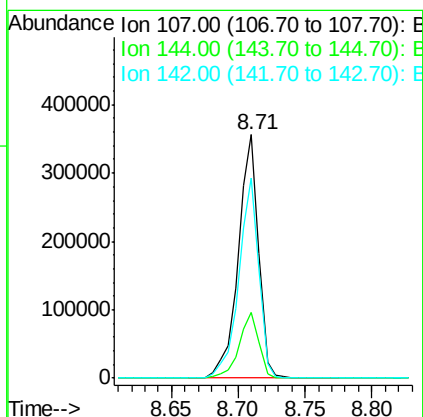
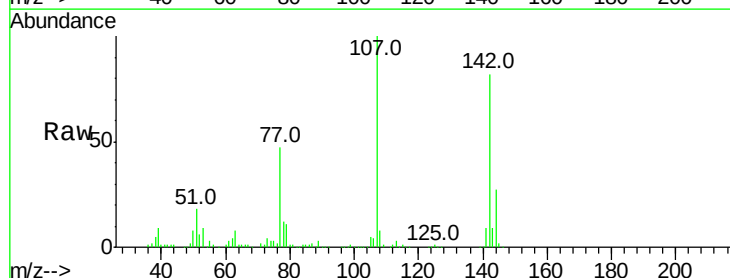
Instrument :  
 BNA\_F  
 ClientSampleId :

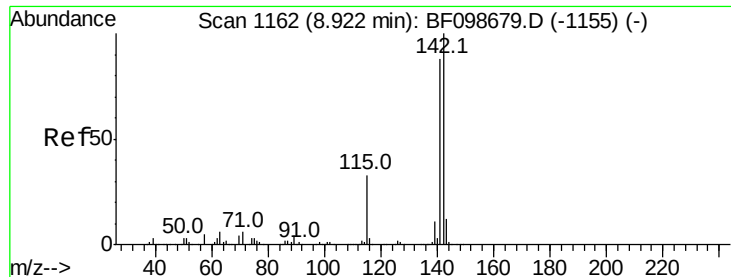
Tot Ion:113 Resp: 61142  
 Ion Ratio Lower Upper  
 113 100  
 55 174.2 163.3 203.3  
 56 133.9 115.7 155.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.381 ng  
 RT: 8.71 min Scan# 1126  
 Delta R.T. 0.01 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

Tgt Ion:107 Resp: 375936  
 Ion Ratio Lower Upper  
 107 100  
 144 26.8 20.5 30.7  
 142 82.2 62.0 93.0





#37

2-Methylnaphthalene

Concen: 45.095 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

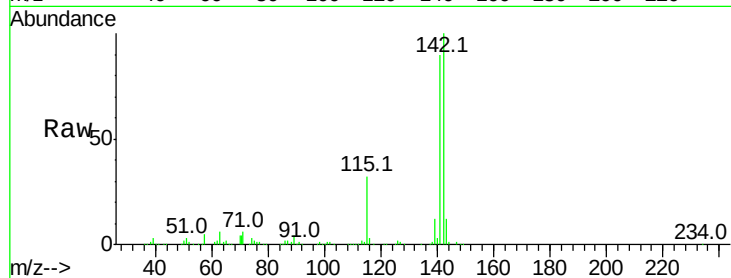
Tot Ion:142 Resp: 806875

Ion Ratio Lower Upper

142 100

141 90.2 70.8 106.2

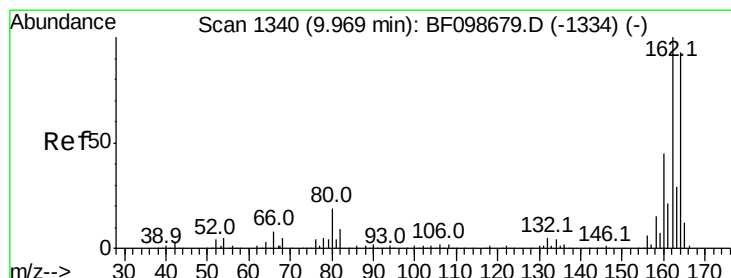
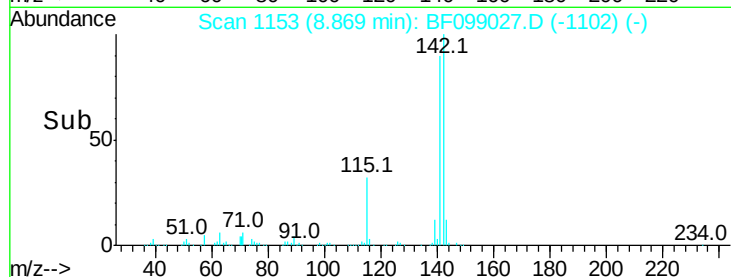
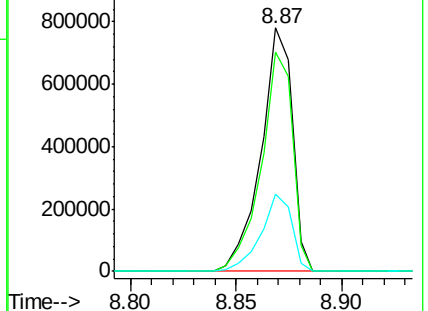
115 31.9 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

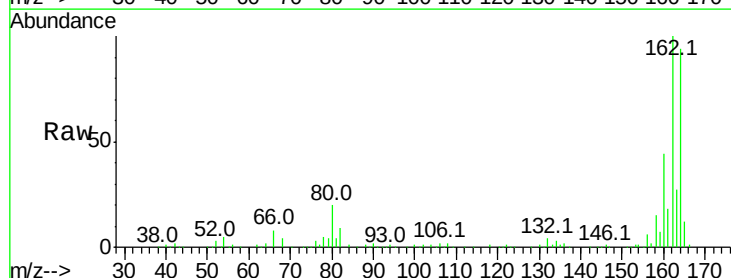
Tgt Ion:164 Resp: 270365

Ion Ratio Lower Upper

164 100

162 106.8 86.1 129.1

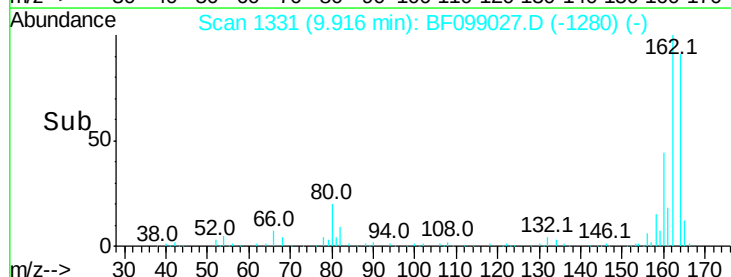
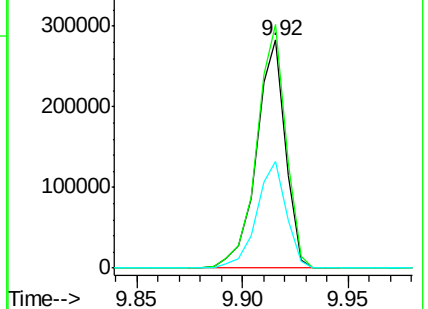
160 46.7 38.3 57.5

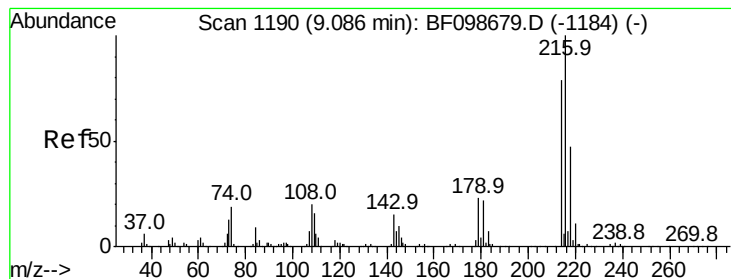


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.368 ng

RT: 9.04 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 309361

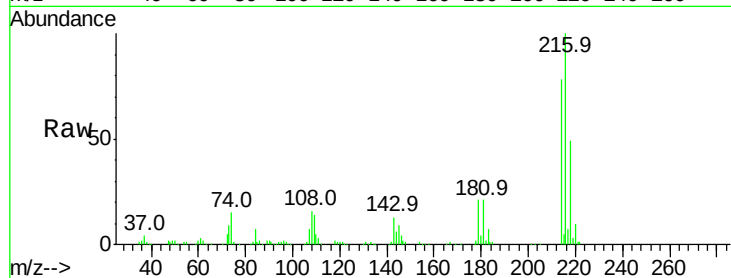
Ion Ratio Lower Upper

216 100

214 80.0 63.0 94.4

179 22.6 18.1 27.1

108 22.2 17.2 25.8

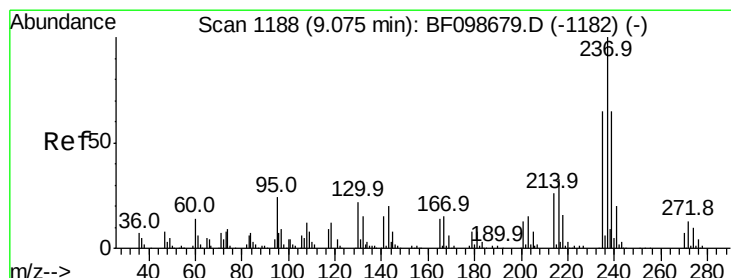
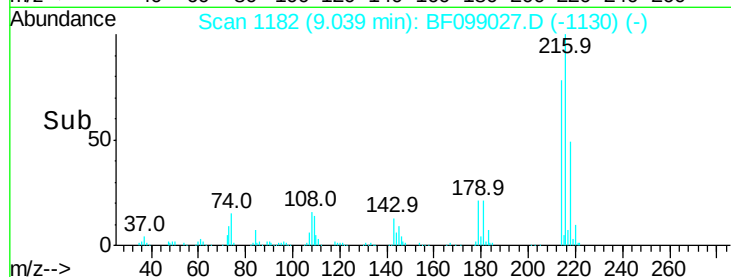
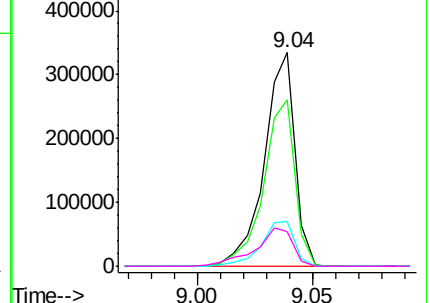


Abundance Ion 216.00 (215.70 to 216.70): E

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: 81.003 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

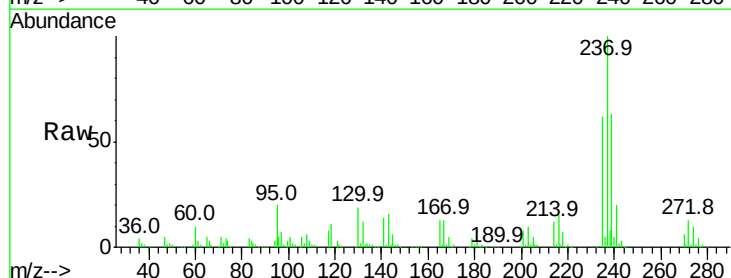
Tgt Ion:237 Resp: 298478

Ion Ratio Lower Upper

237 100

235 61.8 44.8 84.8

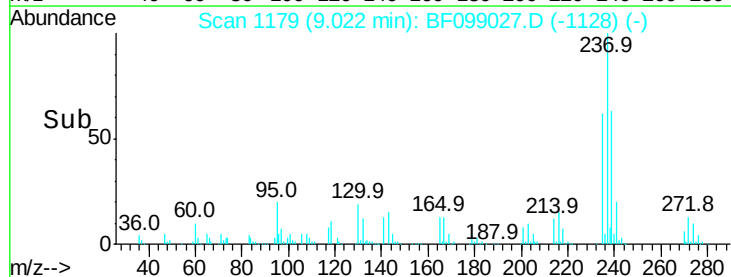
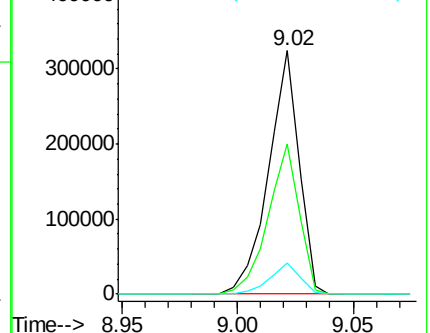
272 12.8 0.0 33.3



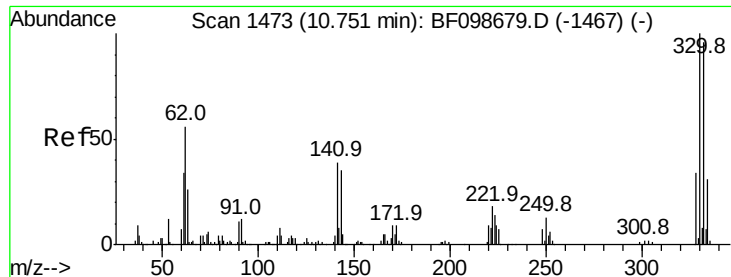
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



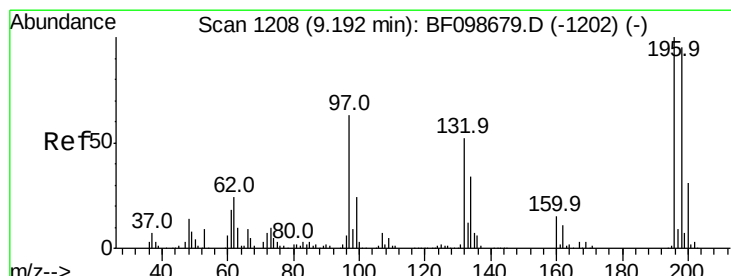
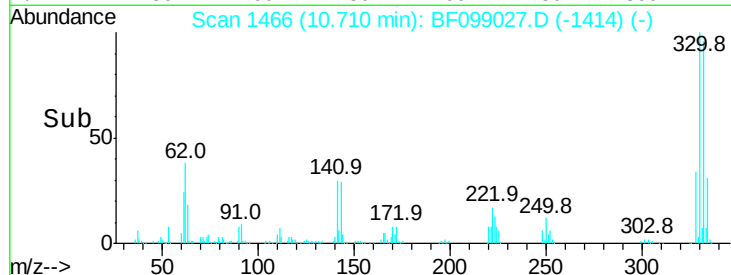
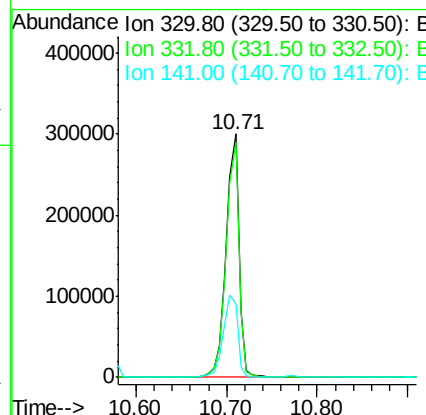
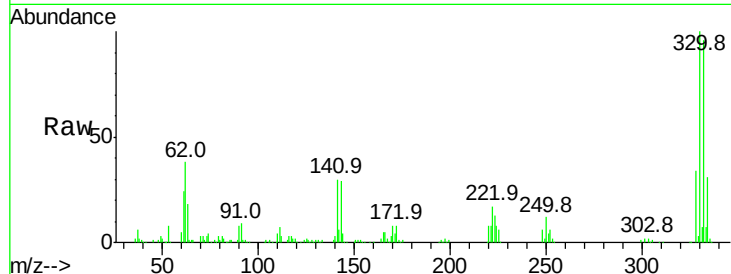




#41  
 2,4,6-Tribromophenol  
 Concen: 132.070 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. 0.01 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

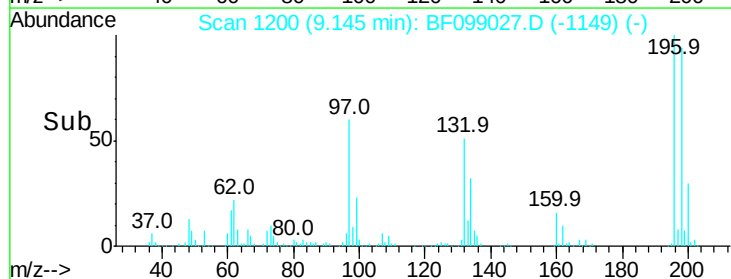
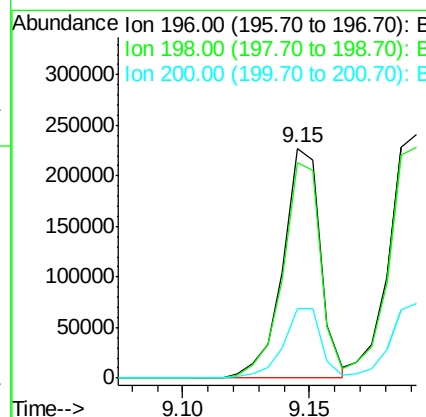
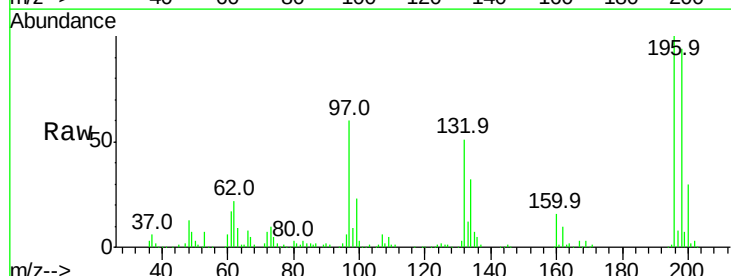
Instrument :  
 BNA\_F  
 ClientSampled :

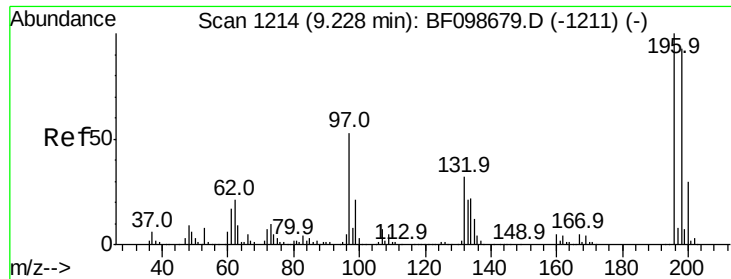
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 77.0  | 115.6 |
| 141     | 38.0  | 29.9  | 44.9  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 40.938 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.00 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.9  | 75.7  | 113.5 |
| 200     | 30.0  | 24.5  | 36.7  |

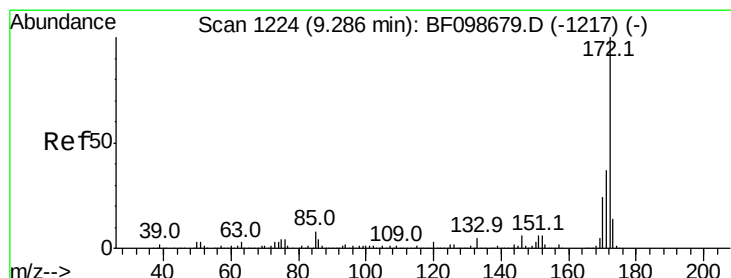
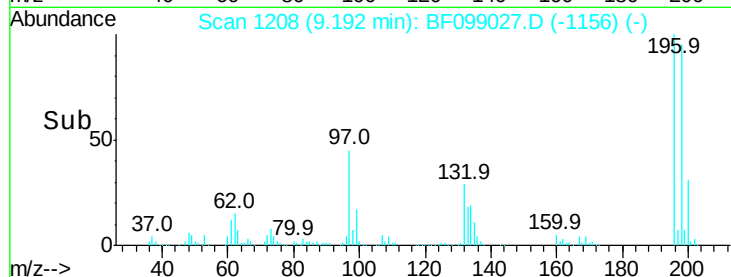
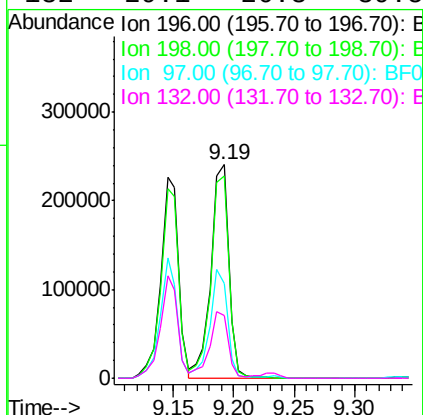
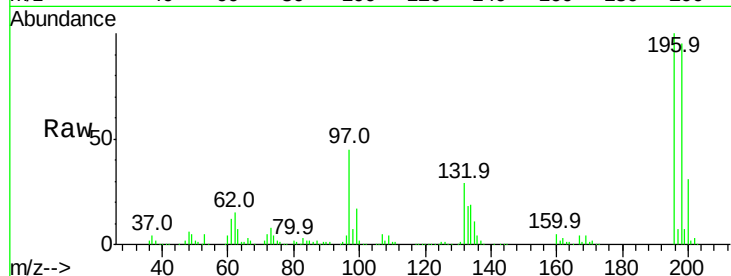




#43  
 2,4,5-Trichlorophenol  
 Concen: 43.432 ng  
 RT: 9.19 min Scan# 1208  
 Delta R.T. 0.01 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

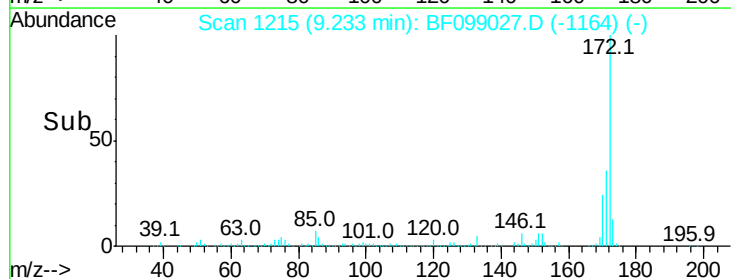
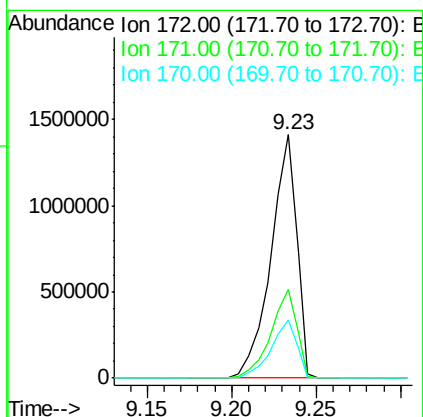
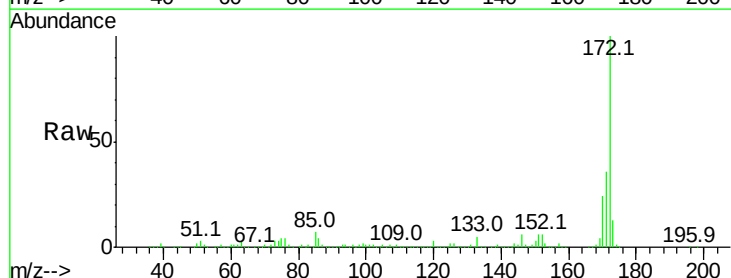
Instrument :  
 BNA\_F  
 ClientSampleId :

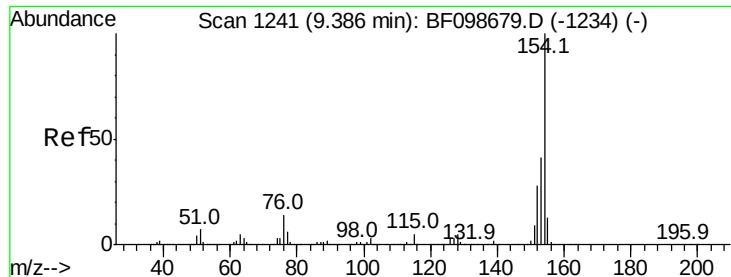
| Tot Ion: | 196   | Resp: | 247656 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 94.6  | 74.6  | 112.0  |
| 97       | 44.5  | 42.9  | 64.3   |
| 132      | 29.1  | 26.3  | 39.5   |



#44  
 2-Fluorobiphenyl  
 Concen: 92.354 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. -0.00 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

| Tgt Ion: | 172   | Resp: | 1495692 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 36.3  | 29.7  | 44.5    |
| 170      | 24.1  | 19.6  | 29.4    |





#45

1,1'-Biphenyl

Concen: 40.213 ng

RT: 9.33 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

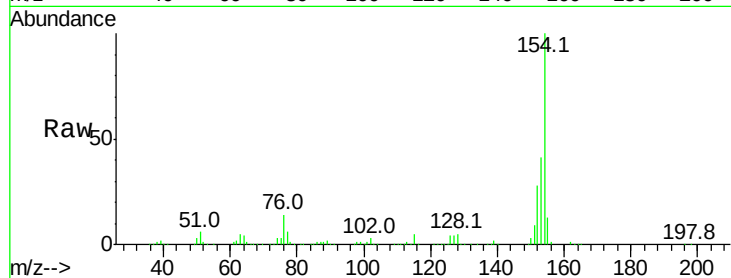
Tot Ion:154 Resp: 934389

Ion Ratio Lower Upper

154 100

153 41.2 21.3 61.3

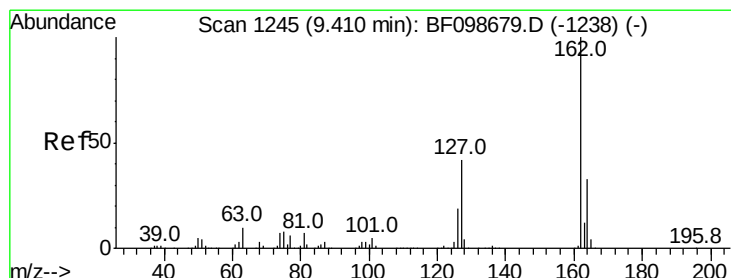
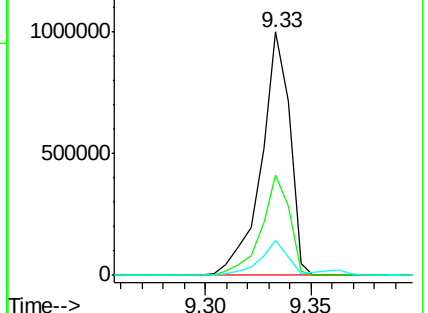
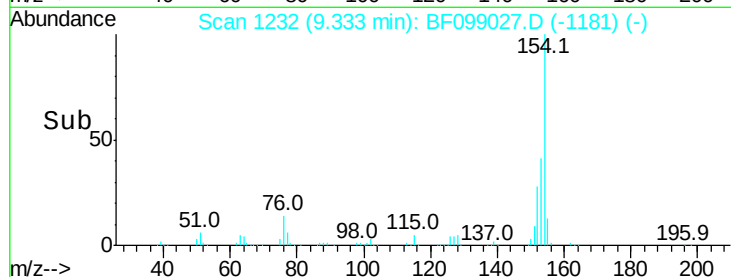
76 14.4 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 41.540 ng

RT: 9.36 min Scan# 1237

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

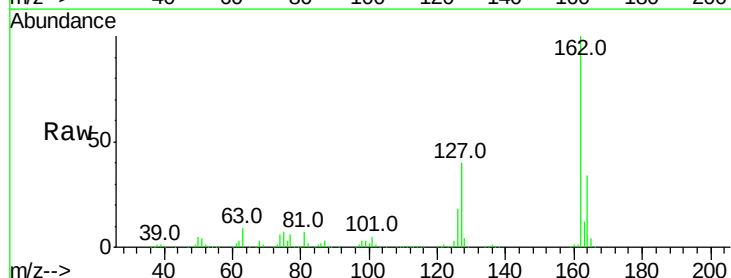
Tgt Ion:162 Resp: 724711

Ion Ratio Lower Upper

162 100

127 40.2 33.9 50.9

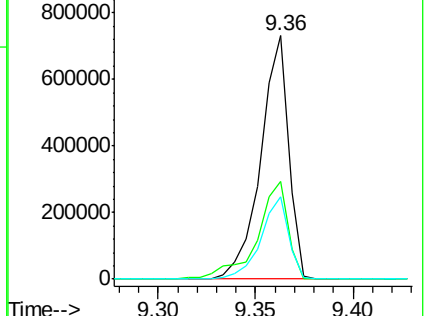
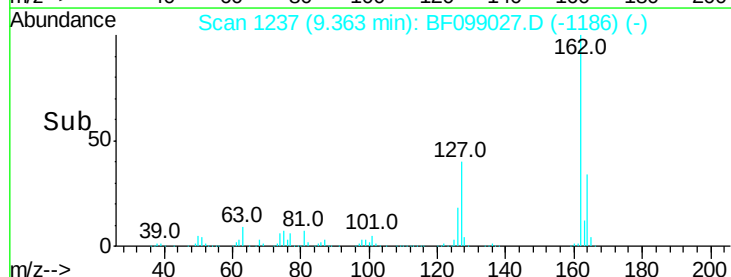
164 33.6 26.5 39.7

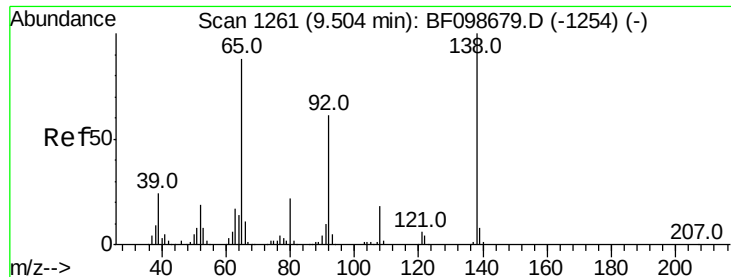


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 42.246 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

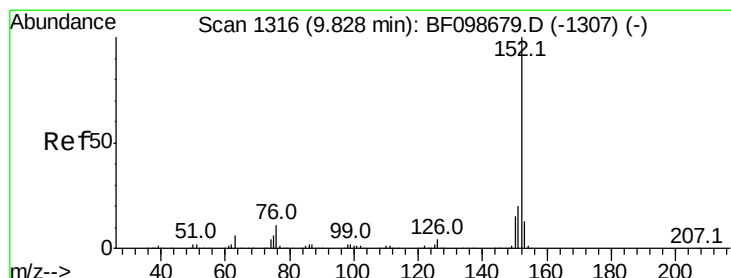
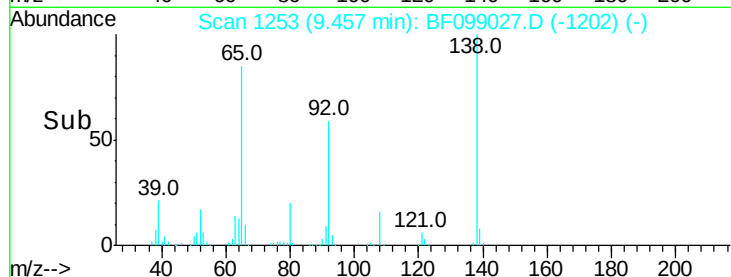
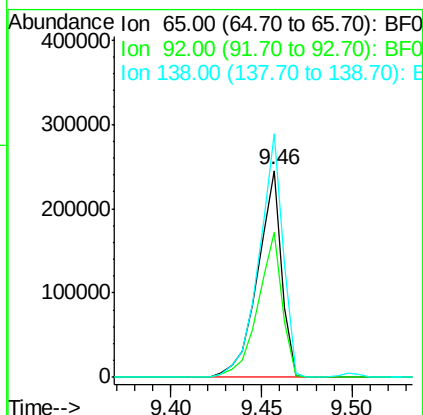
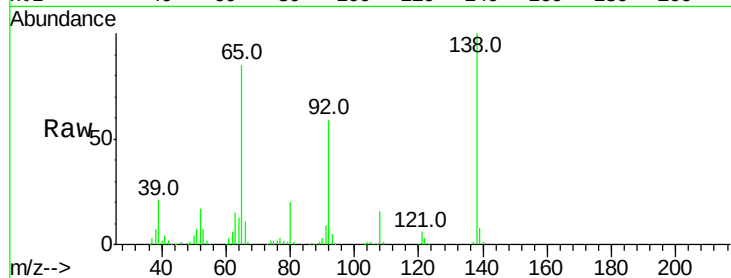
Tot Ion: 65 Resp: 225679

Ion Ratio Lower Upper

65 100

92 70.0 55.8 83.6

138 117.7 91.2 136.8



#48

Acenaphthylene

Concen: 42.408 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

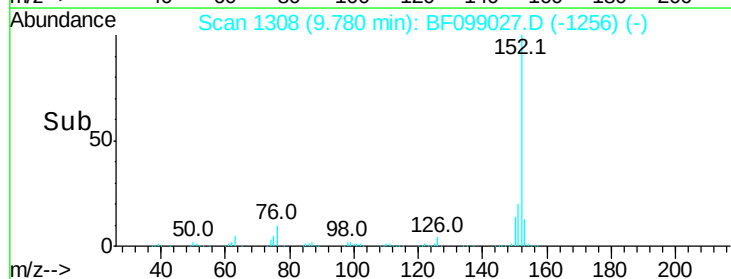
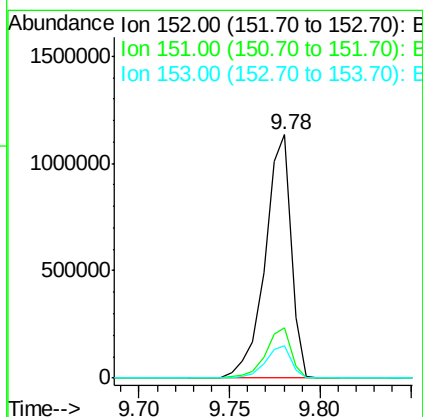
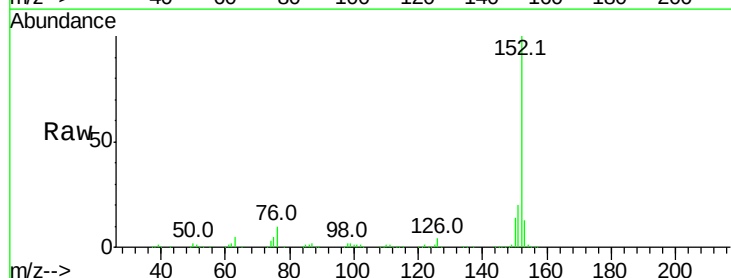
Tgt Ion: 152 Resp: 1132612

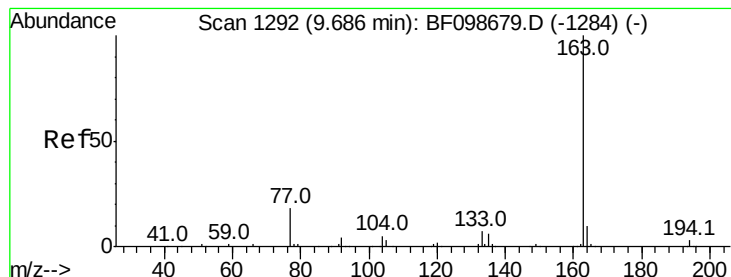
Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

153 13.1 10.7 16.1





#49

Dimethylphthalate

Concen: 42.184 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampled :

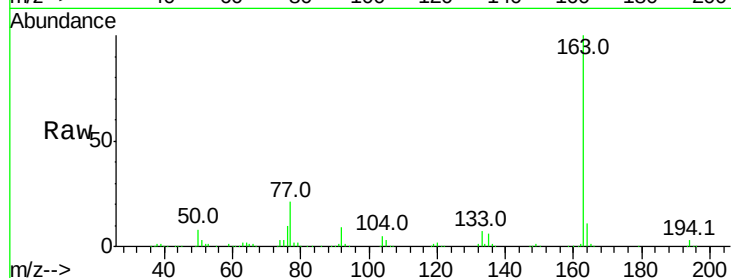
Tot Ion:163 Resp: 860794

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

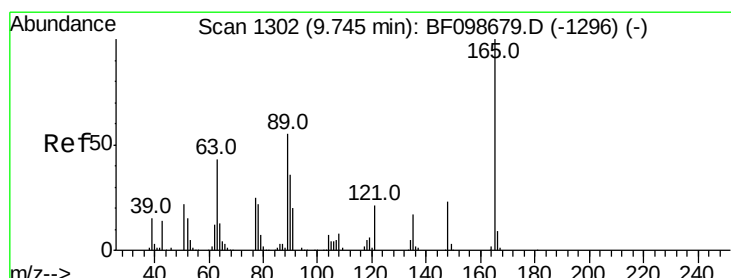
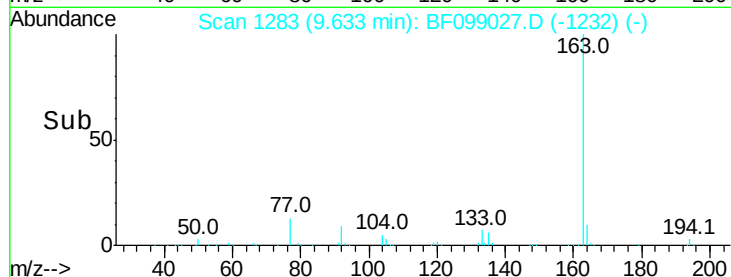
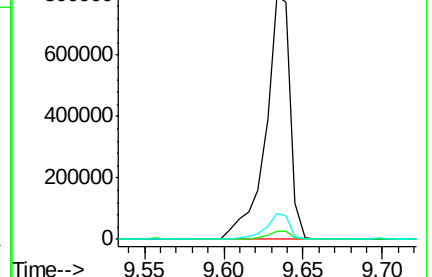
164 10.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 44.144 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

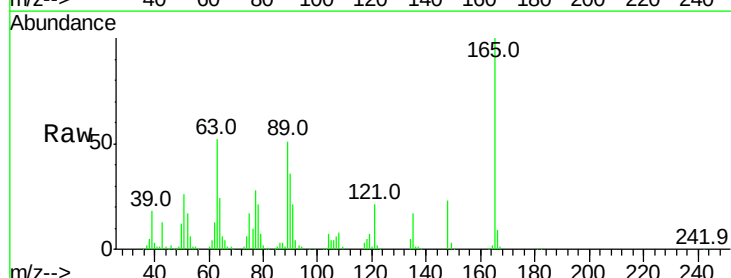
Tgt Ion:165 Resp: 196107

Ion Ratio Lower Upper

165 100

63 52.1 44.7 67.1

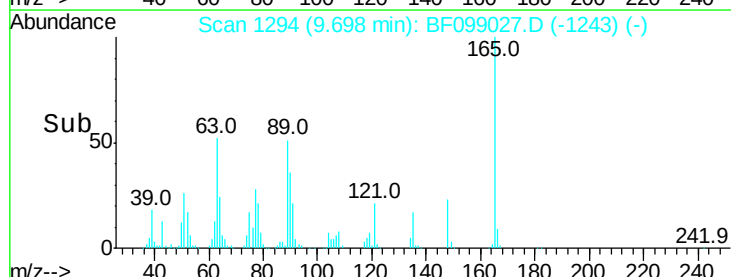
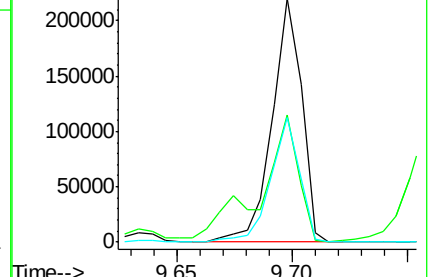
89 51.2 44.0 66.0

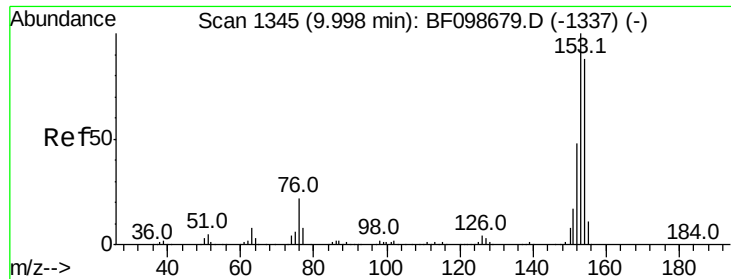


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 40.017 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

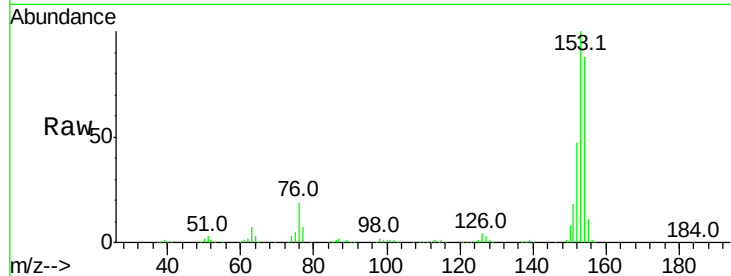
Tot Ion:154 Resp: 677001

Ion Ratio Lower Upper

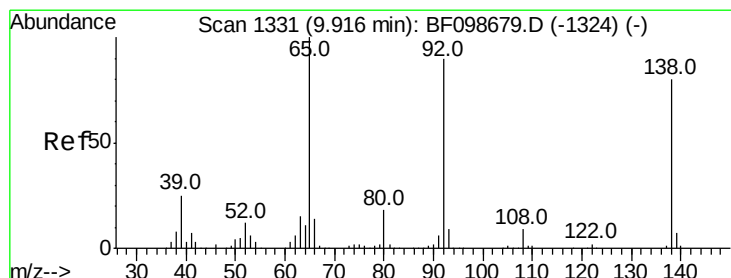
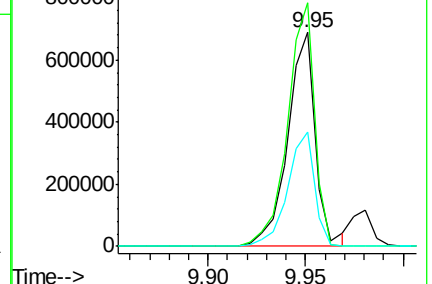
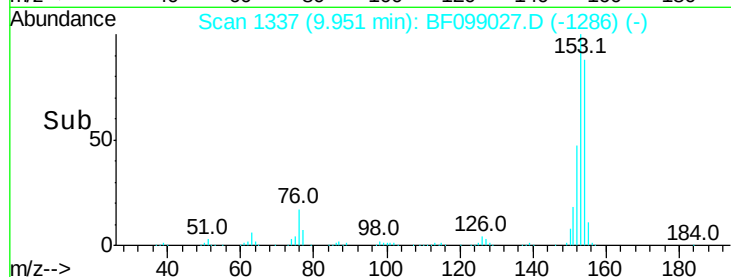
154 100

153 113.7 91.2 136.8

152 53.6 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 17.502 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

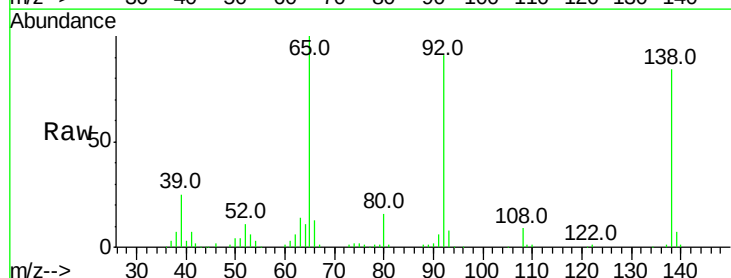
Tgt Ion:138 Resp: 90657

Ion Ratio Lower Upper

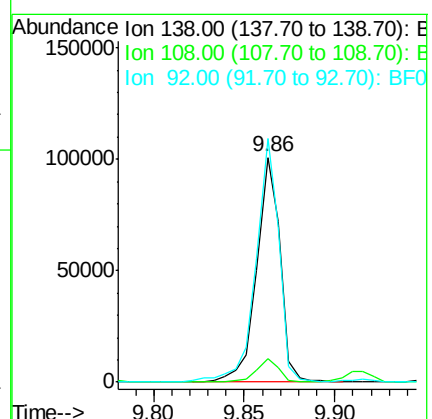
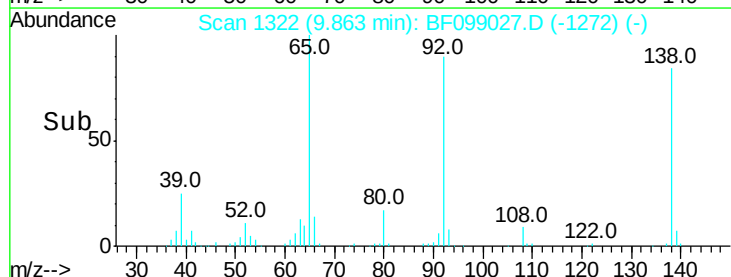
138 100

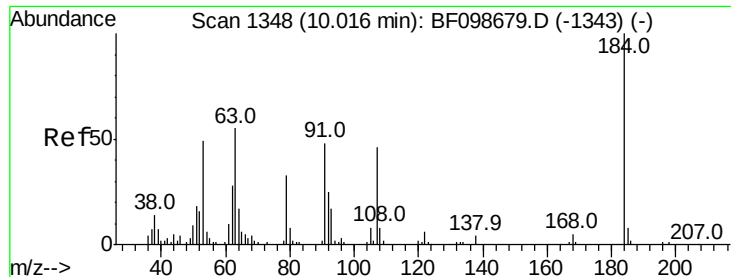
108 10.3 9.4 14.0

92 108.4 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

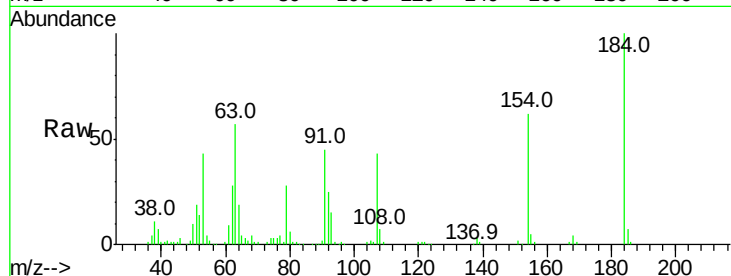




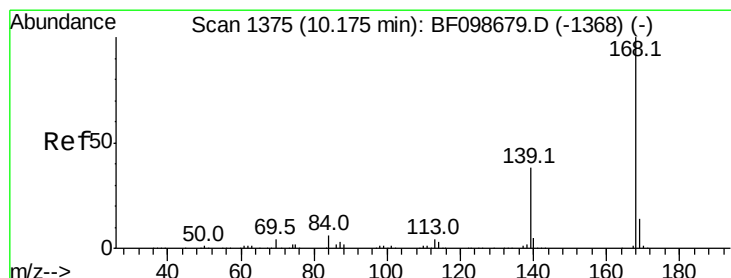
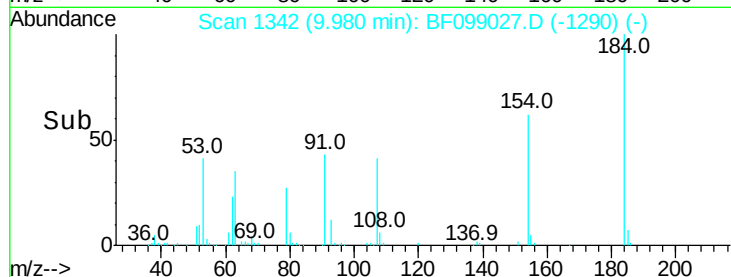
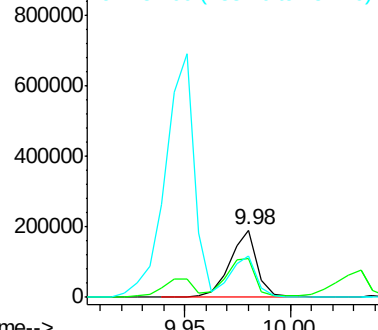
#53  
2,4-Dinitrophenol  
Concen: 74.202 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. 0.01 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 170566  
Ion Ratio Lower Upper  
184 100  
63 57.5 54.2 81.2  
154 61.7 53.5 80.3

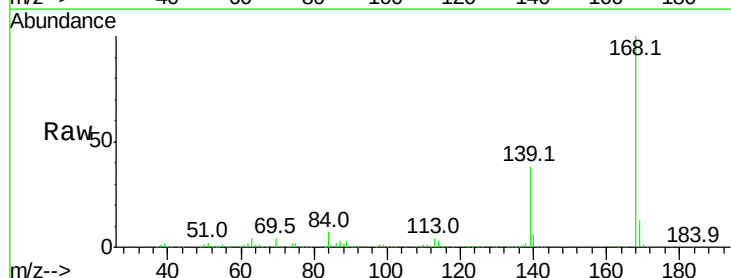


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

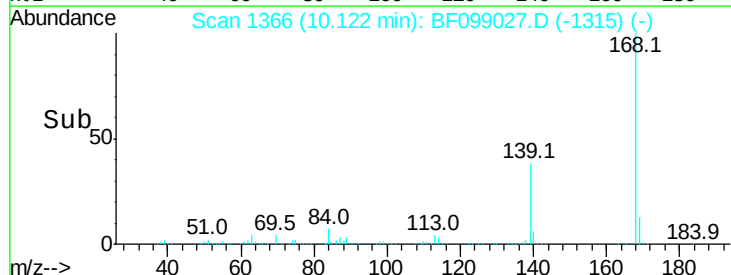
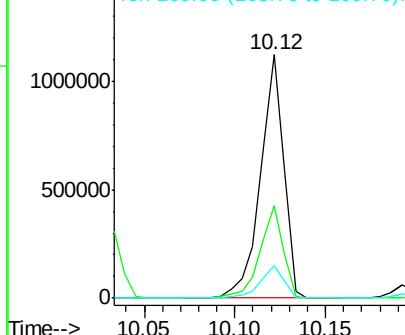


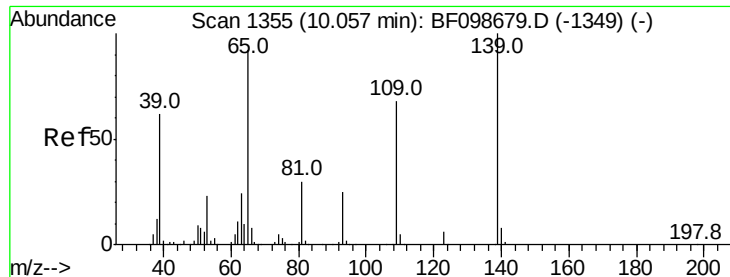
#54  
Dibenzofuran  
Concen: 44.556 ng  
RT: 10.12 min Scan# 1366  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion:168 Resp: 1003643  
Ion Ratio Lower Upper  
168 100  
139 38.1 30.1 45.1  
169 13.5 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

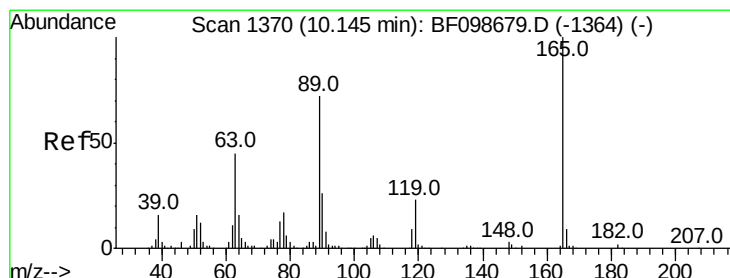
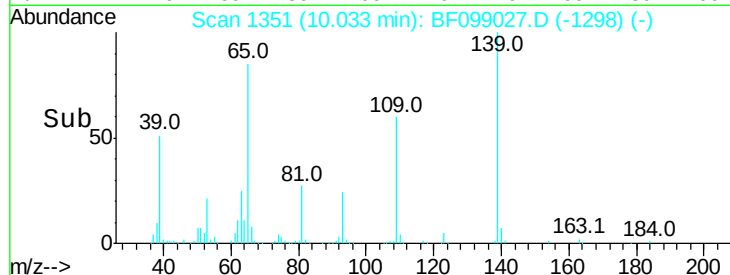
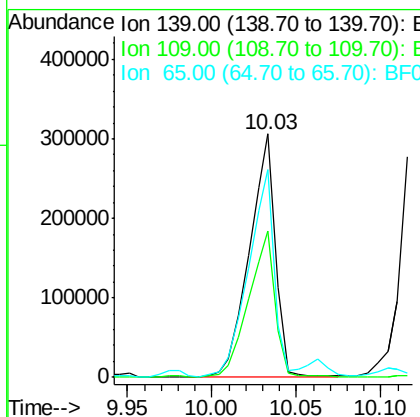
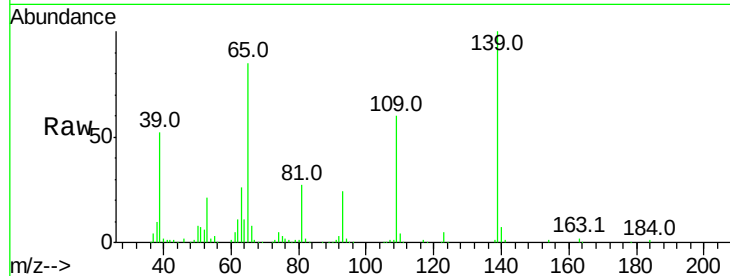




#55  
4-Nitrophenol  
Concen: 75.476 ng  
RT: 10.03 min Scan# 1351  
Delta R.T. 0.01 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

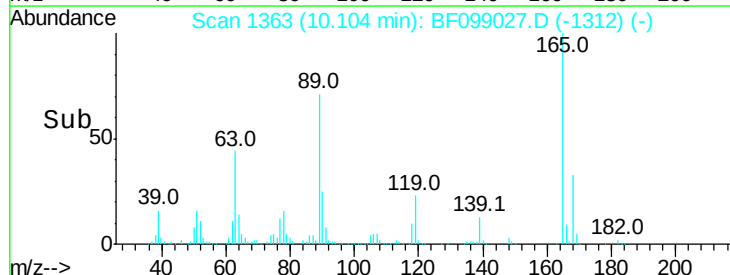
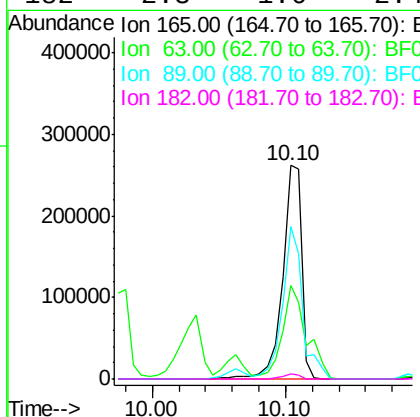
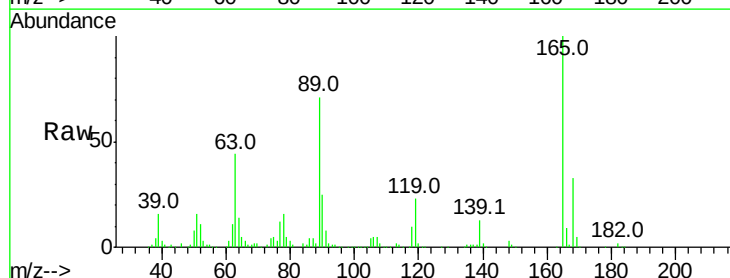
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:139 Resp: 330581  
Ion Ratio Lower Upper  
139 100  
109 60.1 48.4 88.4  
65 85.2 72.6 112.6

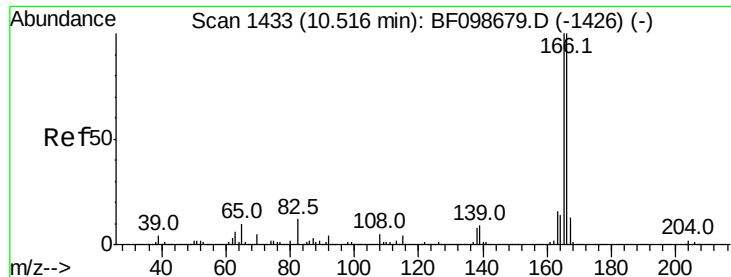


#56  
2,4-Dinitrotoluene  
Concen: 45.806 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion:165 Resp: 264095  
Ion Ratio Lower Upper  
165 100  
63 44.1 36.4 54.6  
89 71.4 57.8 86.6  
182 2.3 1.6 2.4



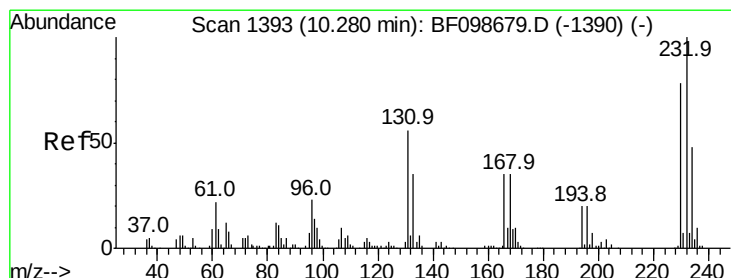
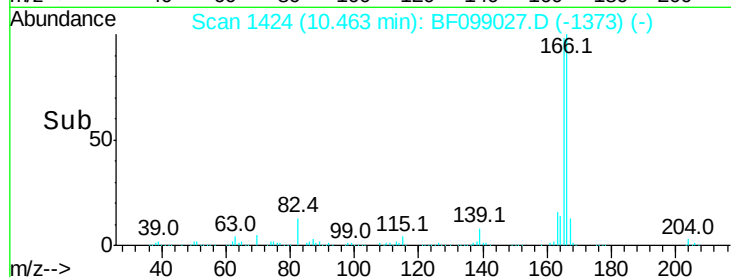
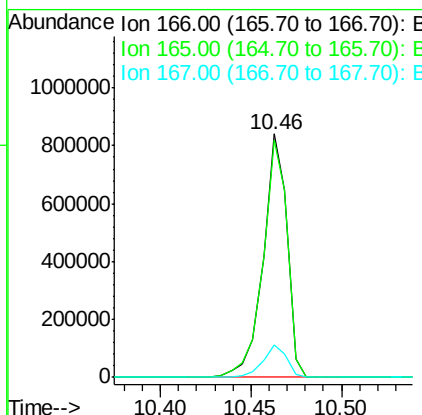
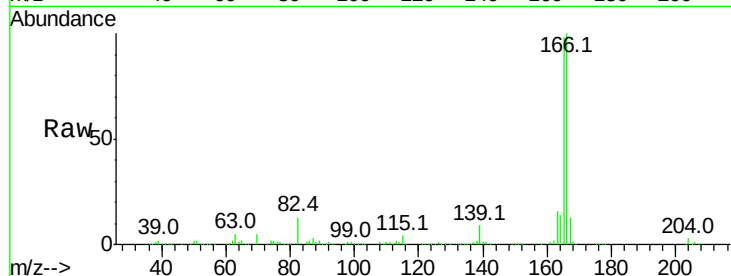




#57  
 Fluorene  
 Concen: 42.426 ng  
 RT: 10.46 min Scan# 1424  
 Delta R.T. -0.00 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

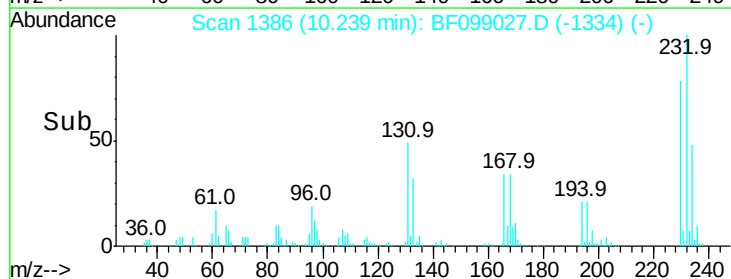
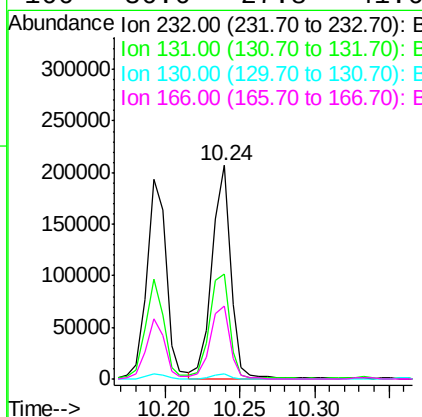
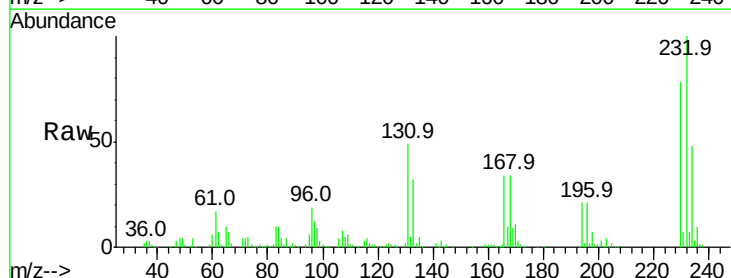
Instrument :  
 BNA\_F  
 ClientSampleId :

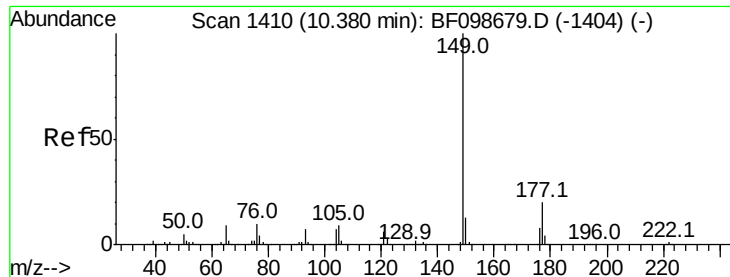
Tot Ion:166 Resp: 768122  
 Ion Ratio Lower Upper  
 166 100  
 165 97.6 79.8 119.8  
 167 13.2 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.047 ng  
 RT: 10.24 min Scan# 1386  
 Delta R.T. 0.01 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

Tgt Ion:232 Resp: 181380  
 Ion Ratio Lower Upper  
 232 100  
 131 52.9 43.8 65.8  
 130 2.4 2.1 3.1  
 166 36.6 27.8 41.6

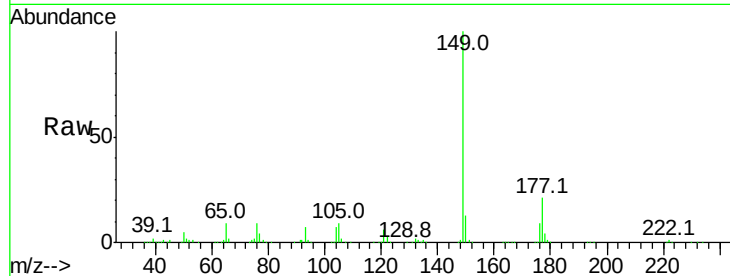




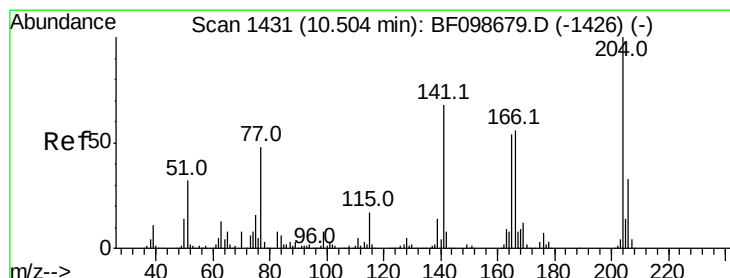
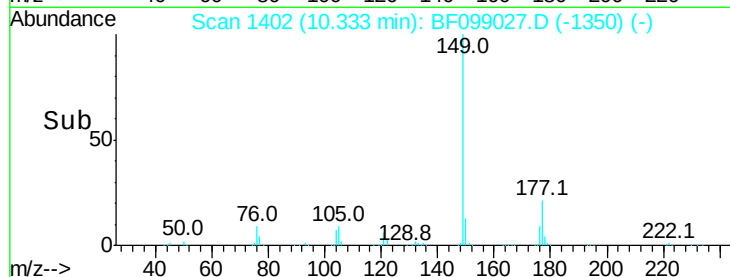
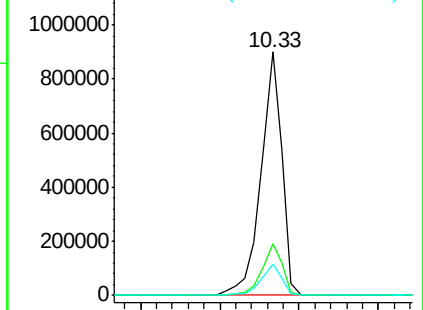
#59  
Diethylphthalate  
Concen: 41.724 ng  
RT: 10.33 min Scan# 1402  
Delta R.T. 0.01 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 831950  
Ion Ratio Lower Upper  
149 100  
177 21.4 16.1 24.1  
150 12.8 10.1 15.1

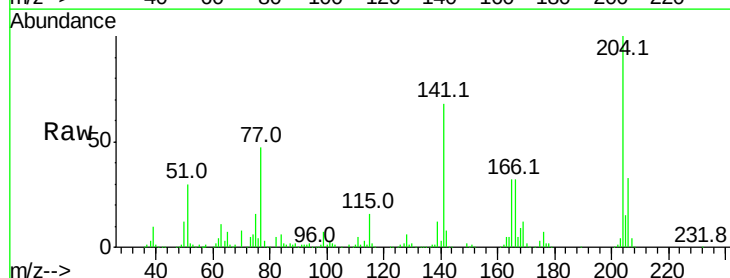


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

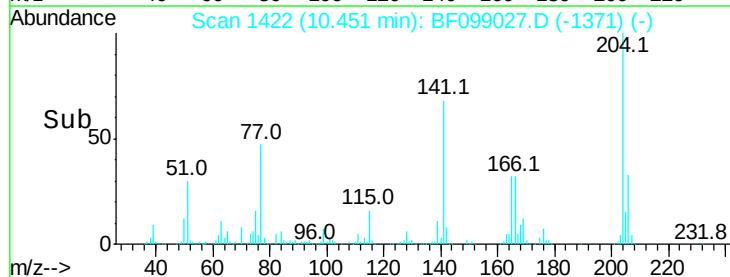
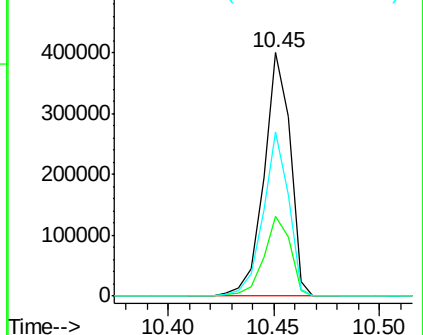


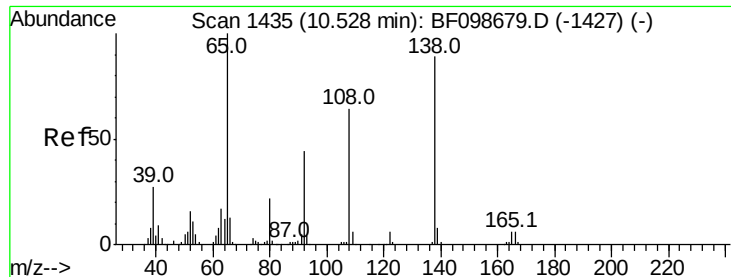
#60  
4-Chlorophenyl-phenylether  
Concen: 42.493 ng  
RT: 10.45 min Scan# 1422  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion:204 Resp: 345589  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.5 39.7  
141 67.6 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

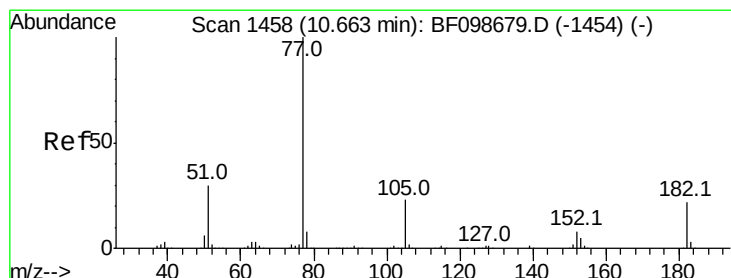
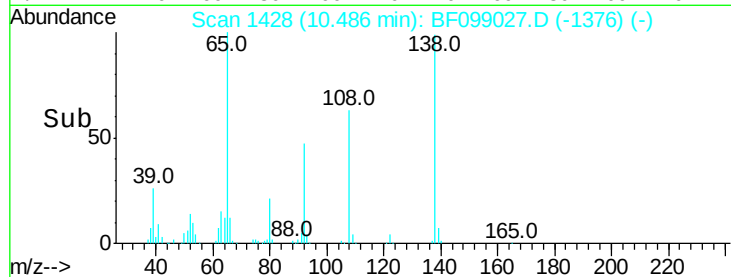
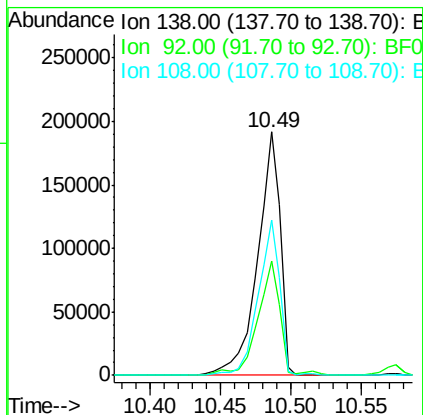
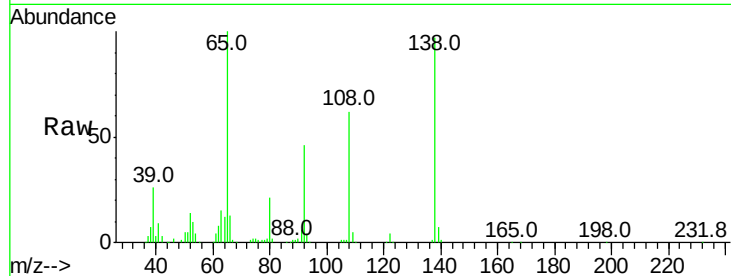




#61  
4-Nitroaniline  
Concen: 43.435 ng  
RT: 10.49 min Scan# 1428  
Delta R.T. 0.01 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

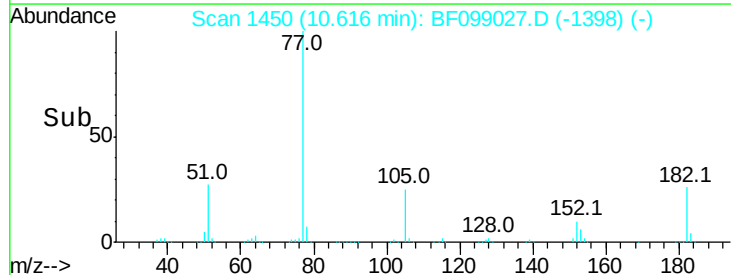
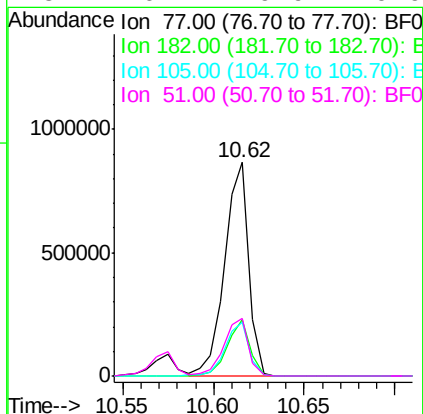
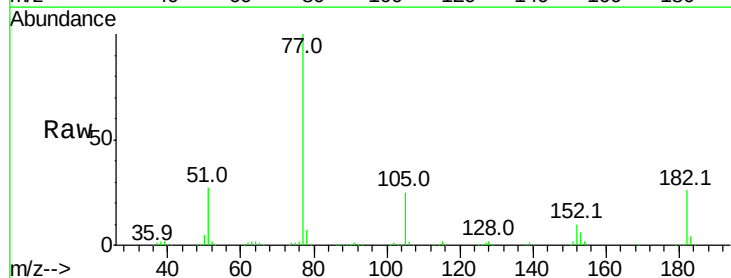
Instrument :  
BNA\_F  
ClientSampleId :

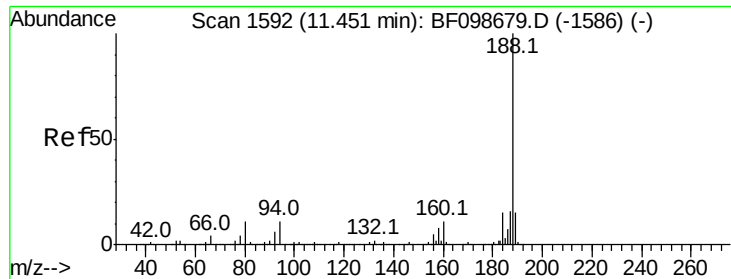
Tot Ion:138 Resp: 217060  
Ion Ratio Lower Upper  
138 100  
92 47.2 30.2 70.2  
108 63.9 52.5 92.5



#62  
Azobenzene  
Concen: 43.534 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. 0.01 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion: 77 Resp: 798134  
Ion Ratio Lower Upper  
77 100  
182 26.4 1.7 41.7  
105 25.0 3.0 43.0  
51 26.7 9.9 49.9

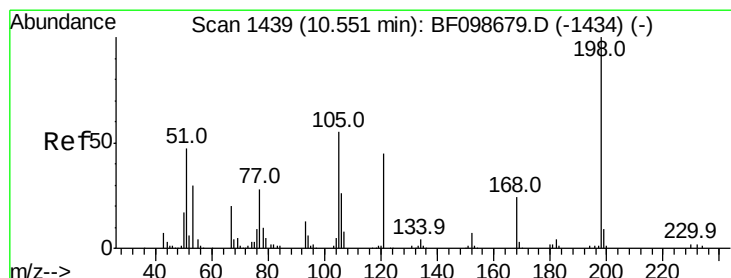
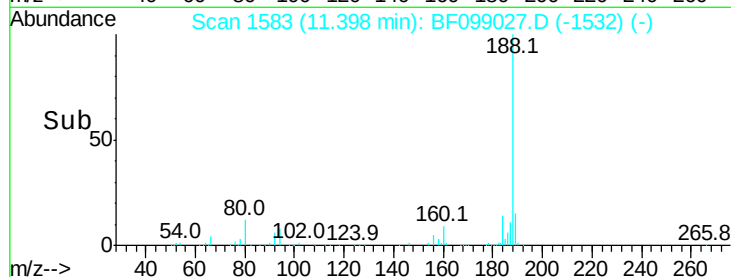
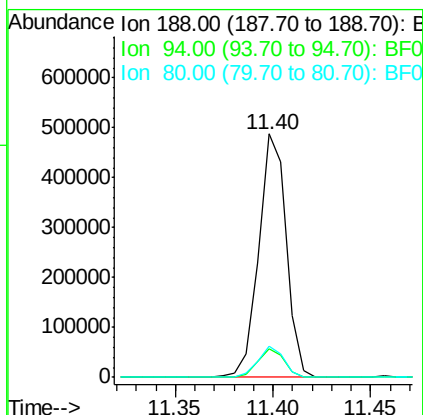
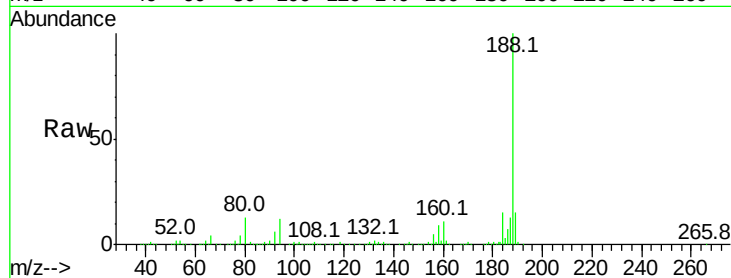




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1583  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

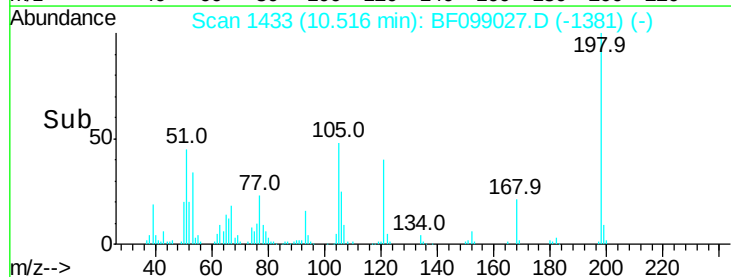
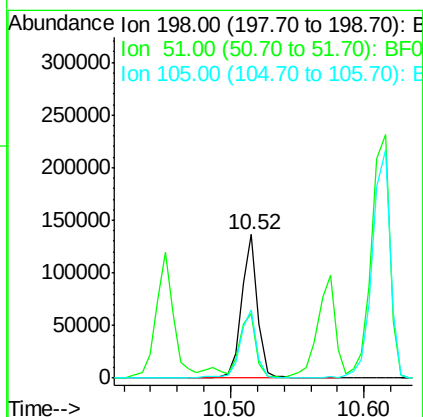
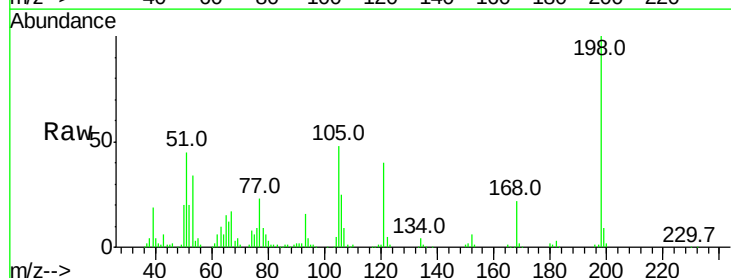
Instrument :  
BNA\_F  
ClientSampleId :

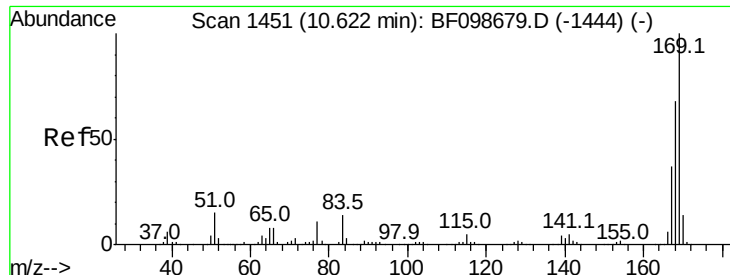
Tot Ion:188 Resp: 475549  
Ion Ratio Lower Upper  
188 100  
94 11.9 8.5 12.7  
80 12.8 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 38.953 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. 0.01 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion:198 Resp: 112705  
Ion Ratio Lower Upper  
198 100  
51 44.9 37.7 77.7  
105 47.7 36.3 76.3

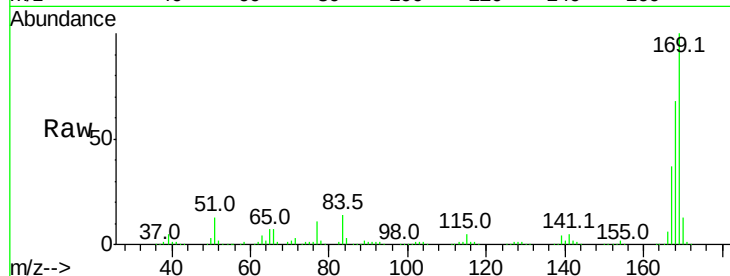




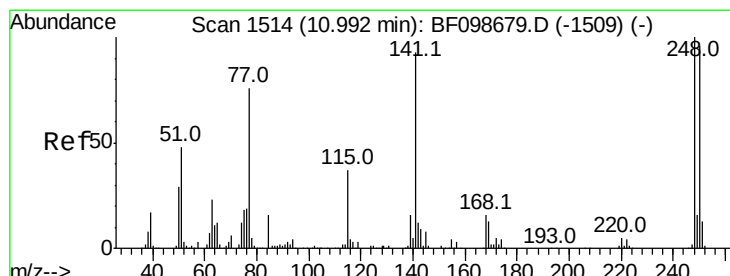
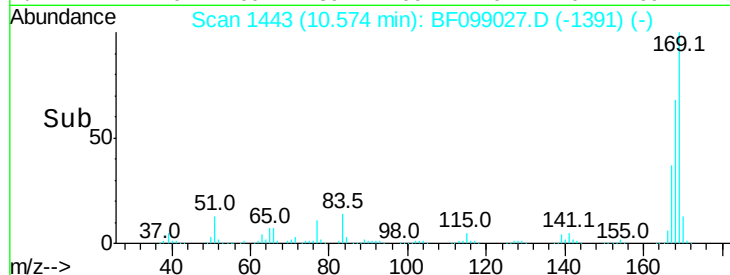
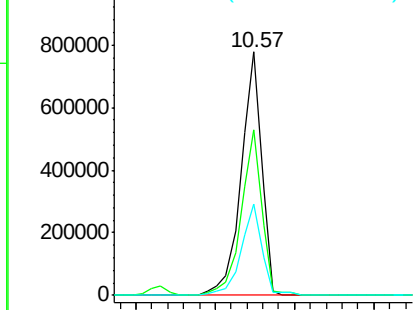
#65  
 n-Nitrosodiphenylamine  
 Concen: 42.127 ng  
 RT: 10.57 min Scan# 1443  
 Delta R.T. 0.01 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:169 Resp: 694022  
 Ion Ratio Lower Upper  
 169 100  
 168 68.1 54.4 81.6  
 167 37.5 29.8 44.6

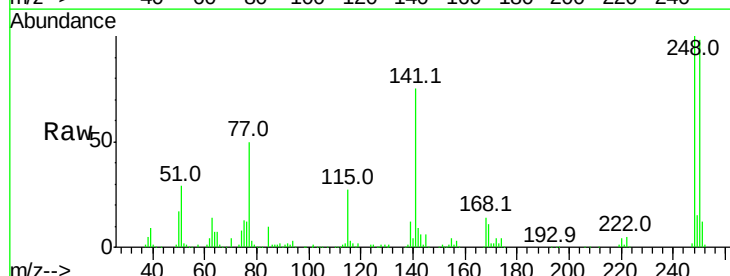


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

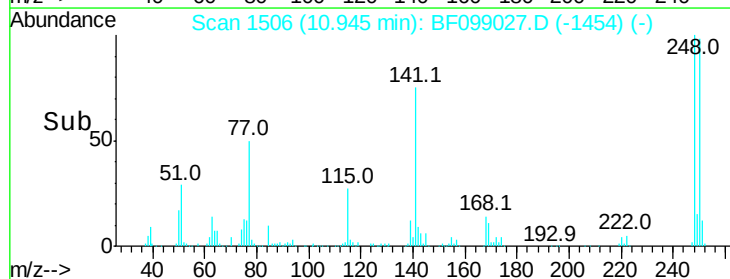
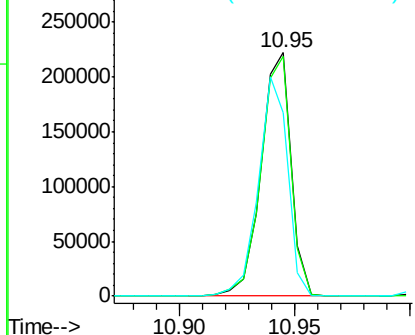


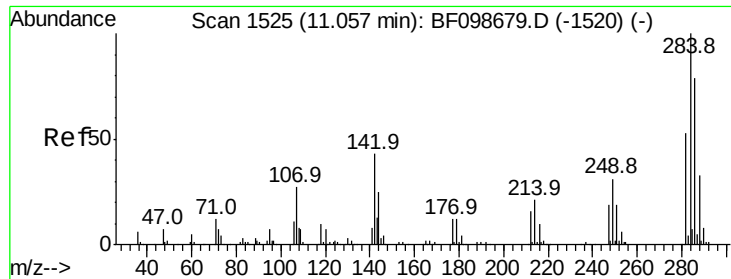
#66  
 4-Bromophenyl-phenylether  
 Concen: 43.214 ng  
 RT: 10.95 min Scan# 1506  
 Delta R.T. 0.01 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

Tgt Ion:248 Resp: 201152  
 Ion Ratio Lower Upper  
 248 100  
 250 98.2 76.9 115.3  
 141 75.2 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

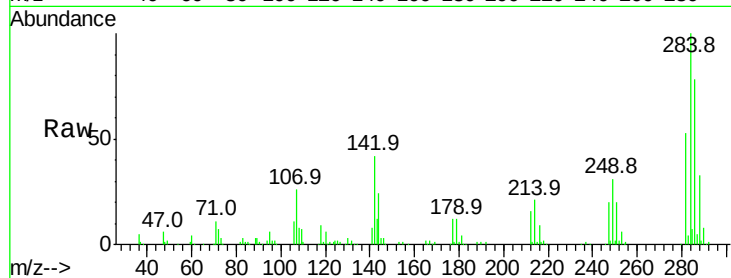




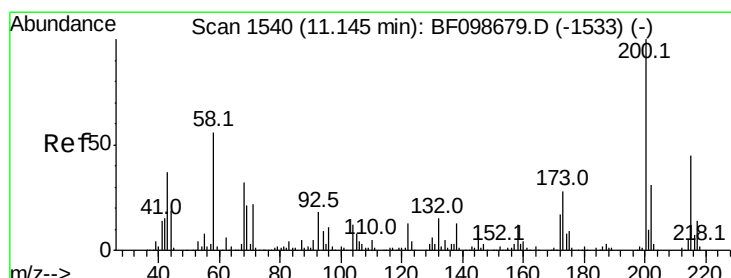
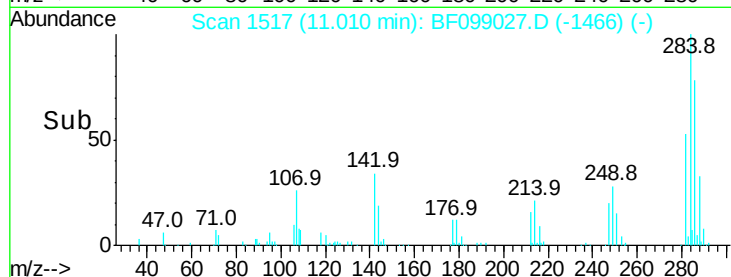
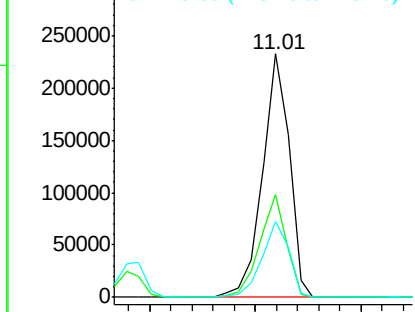
#67  
Hexachlorobenzene  
Concen: 41.511 ng  
RT: 11.01 min Scan# 1517  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:284 Resp: 206375  
Ion Ratio Lower Upper  
284 100  
142 42.1 34.6 52.0  
249 31.1 24.8 37.2

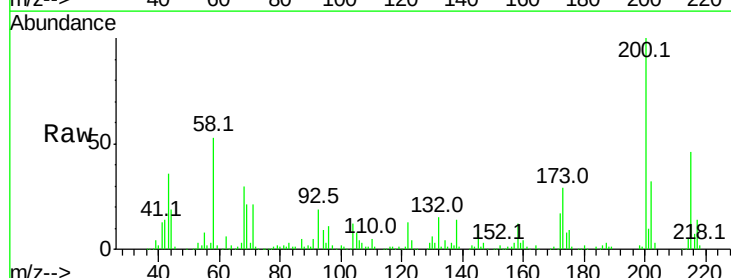


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

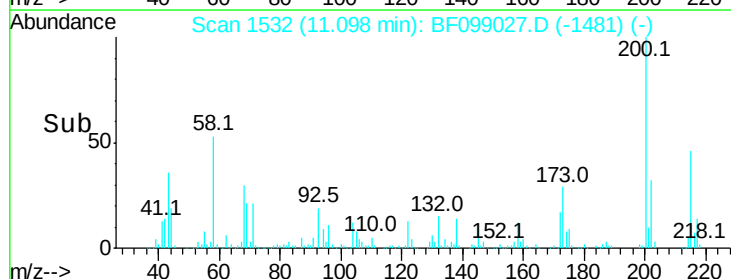
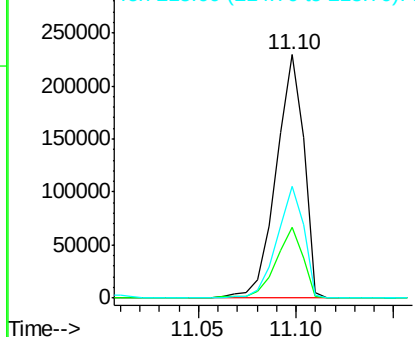


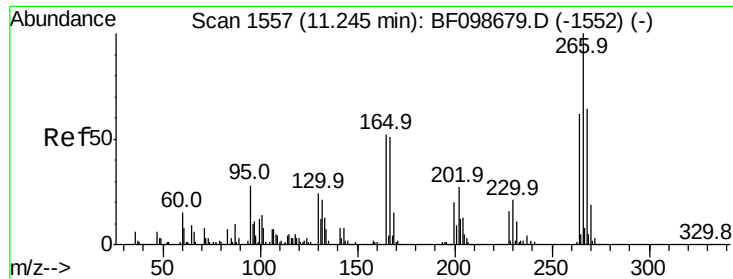
#68  
Atrazine  
Concen: 45.452 ng  
RT: 11.10 min Scan# 1532  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion:200 Resp: 225291  
Ion Ratio Lower Upper  
200 100  
173 29.2 8.6 48.6  
215 45.7 25.1 65.1



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

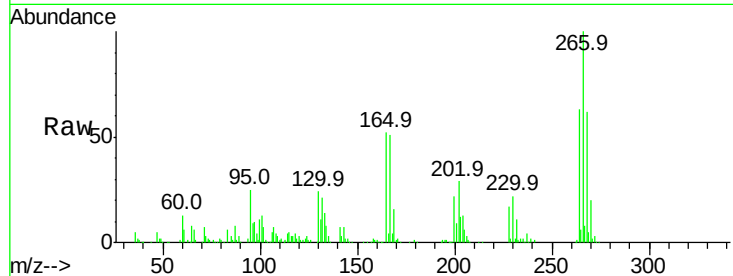




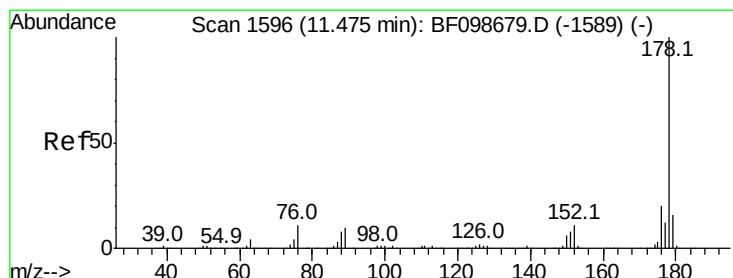
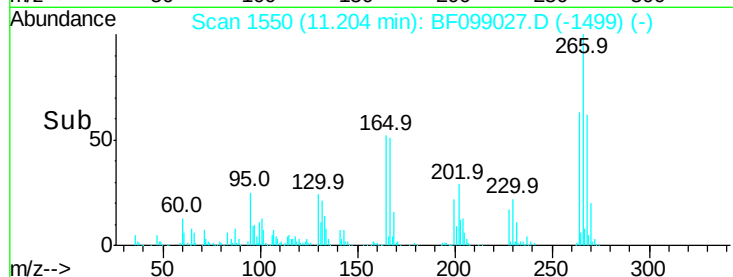
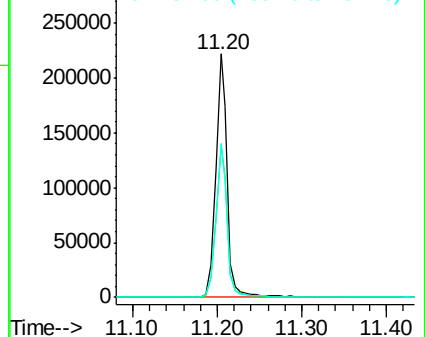
#69  
 Pentachlorophenol  
 Concen: 70.590 ng  
 RT: 11.20 min Scan# 1550  
 Delta R.T. -0.00 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:266 Resp: 218413  
 Ion Ratio Lower Upper  
 266 100  
 268 62.4 51.1 76.7  
 264 63.2 49.5 74.3

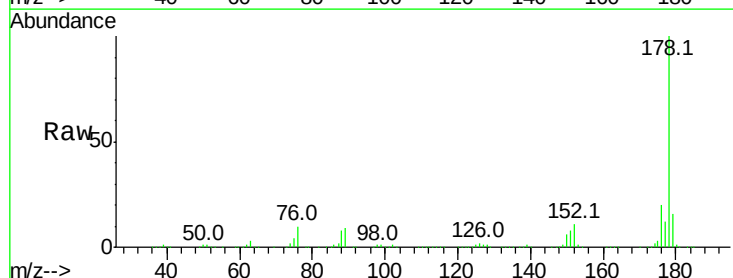


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

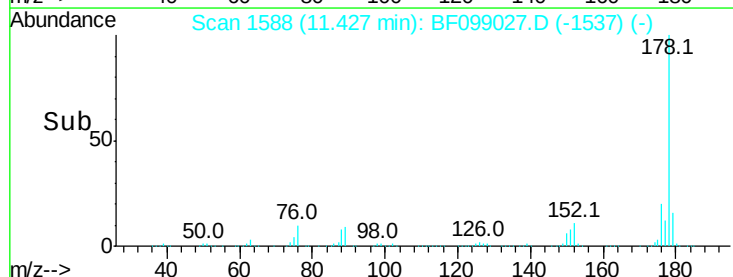
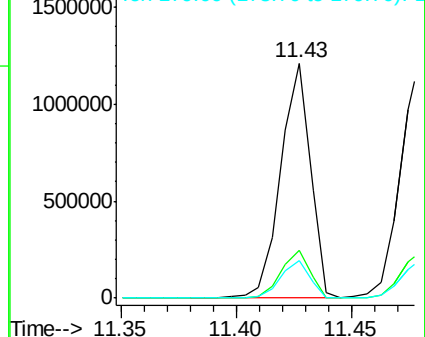


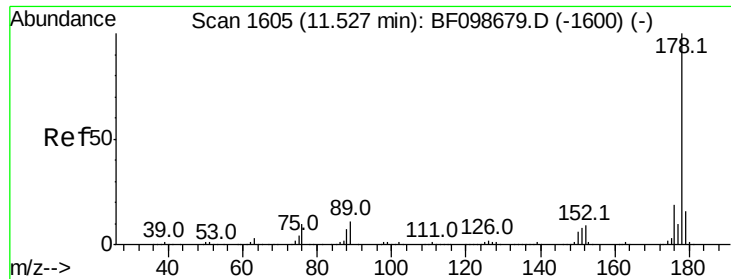
#70  
 Phenanthrene  
 Concen: 42.496 ng  
 RT: 11.43 min Scan# 1588  
 Delta R.T. -0.00 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

Tgt Ion:178 Resp: 1081729  
 Ion Ratio Lower Upper  
 178 100  
 176 20.1 15.8 23.8  
 179 15.7 13.0 19.6



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

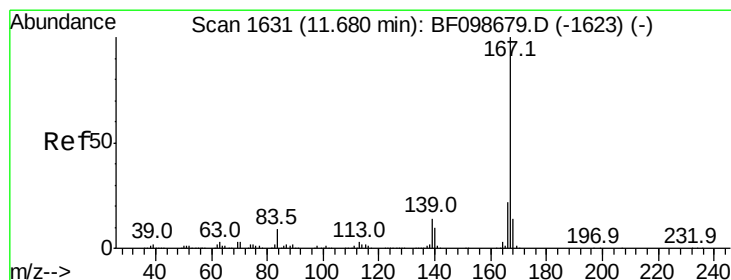
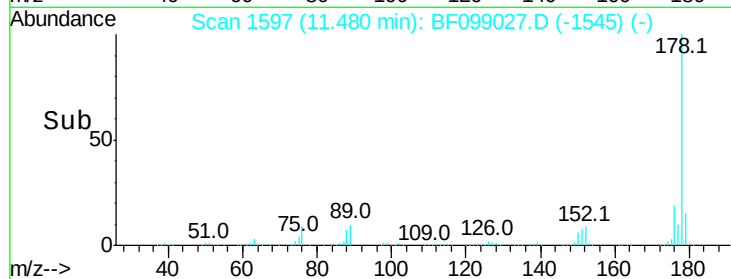
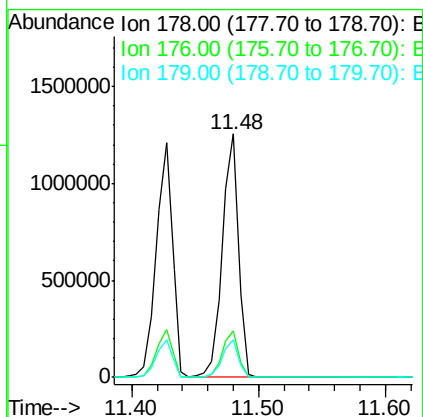
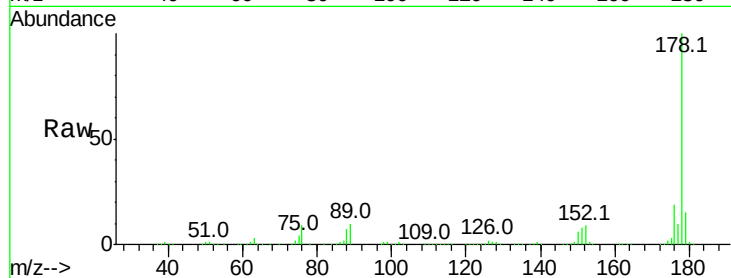




#71  
 Anthracene  
 Concen: 43.212 ng  
 RT: 11.48 min Scan# 1597  
 Delta R.T. 0.01 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

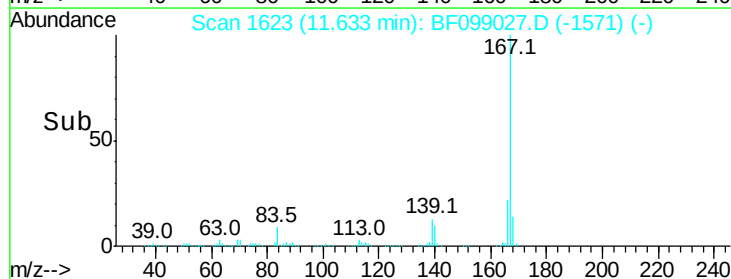
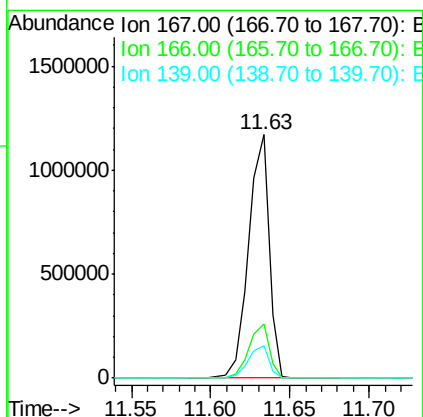
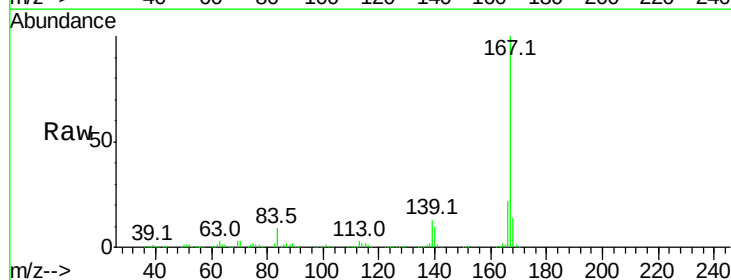
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 1125462  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.4 23.2  
 179 15.3 12.6 19.0

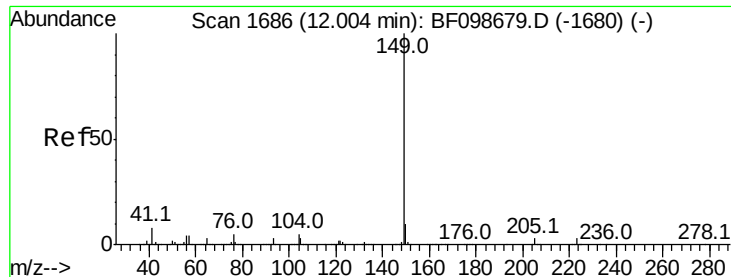


#72  
 Carbazole  
 Concen: 41.243 ng  
 RT: 11.63 min Scan# 1623  
 Delta R.T. 0.01 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

Tgt Ion:167 Resp: 1051908  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.6 26.4  
 139 13.5 10.9 16.3



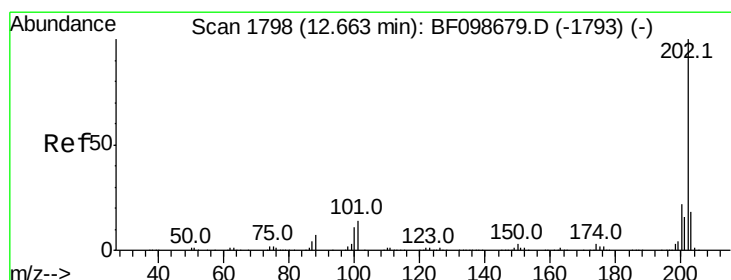
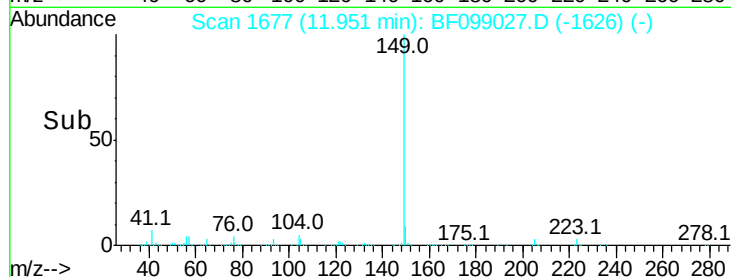
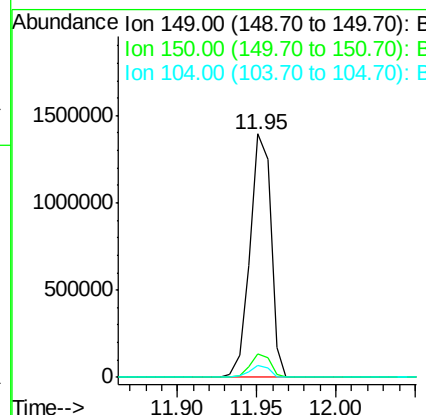
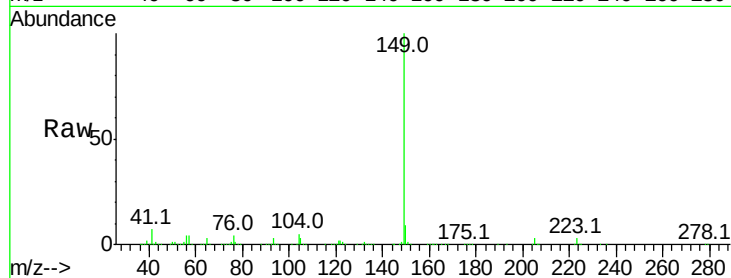




#73  
Di-n-butylphthalate  
Concen: 41.594 ng  
RT: 11.95 min Scan# 1677  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

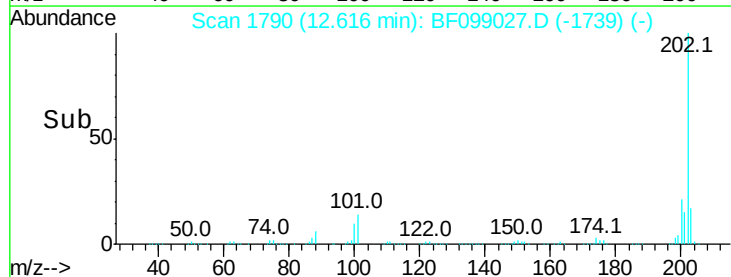
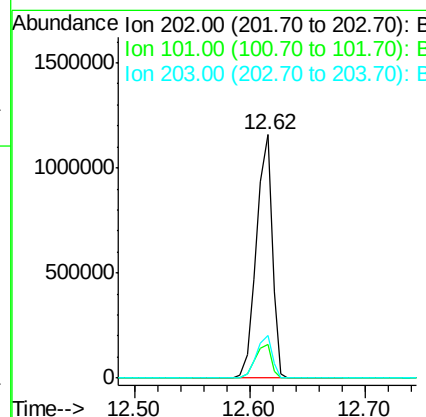
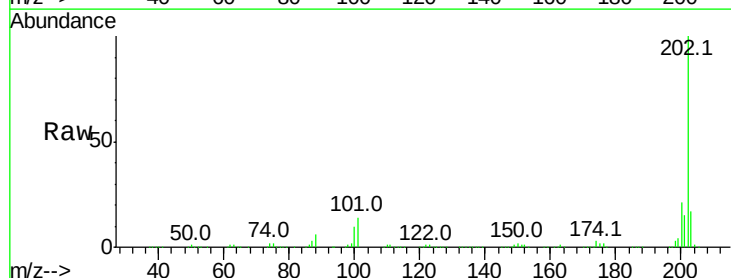
Instrument :  
BNA\_F  
ClientSampleId :

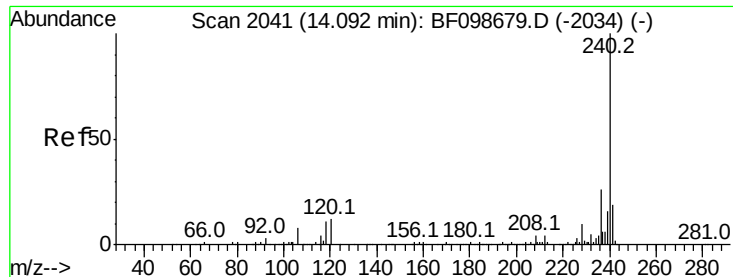
Tot Ion:149 Resp: 1276934  
Ion Ratio Lower Upper  
149 100  
150 9.5 7.8 11.6  
104 4.7 3.8 5.8



#74  
Fluoranthene  
Concen: 42.862 ng  
RT: 12.62 min Scan# 1790  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion:202 Resp: 1104813  
Ion Ratio Lower Upper  
202 100  
101 13.9 0.0 34.1  
203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

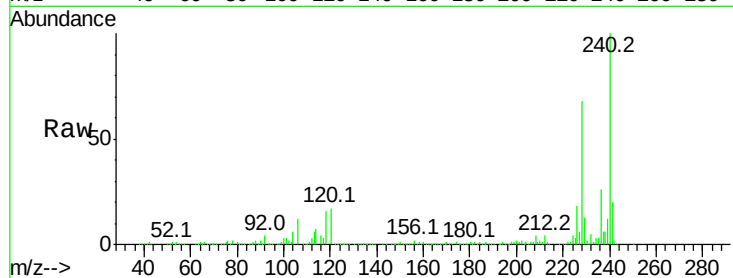
Tot Ion:240 Resp: 336135

Ion Ratio Lower Upper

240 100

120 16.7 9.5 14.3#

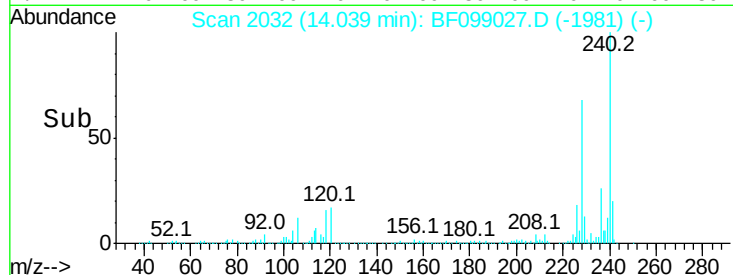
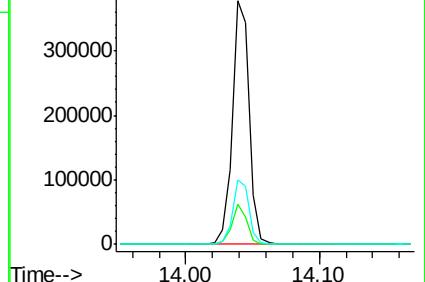
236 26.3 20.7 31.1



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: 23.407 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

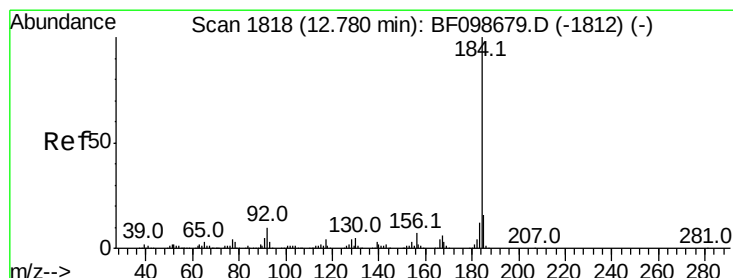
Tgt Ion:184 Resp: 291010

Ion Ratio Lower Upper

184 100

185 14.3 12.6 18.8

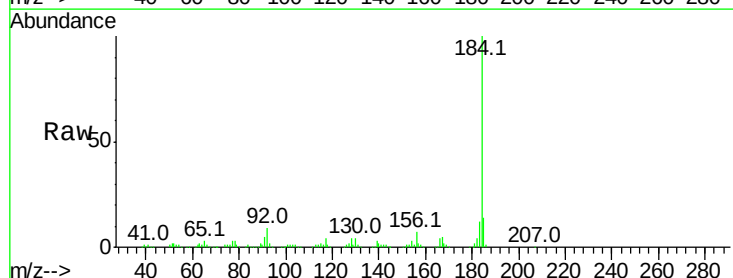
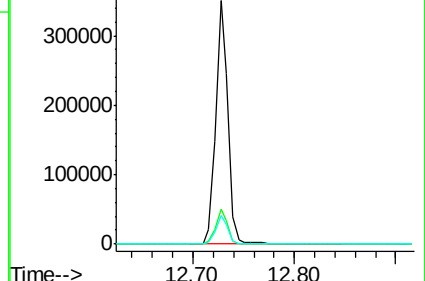
183 11.6 9.3 13.9

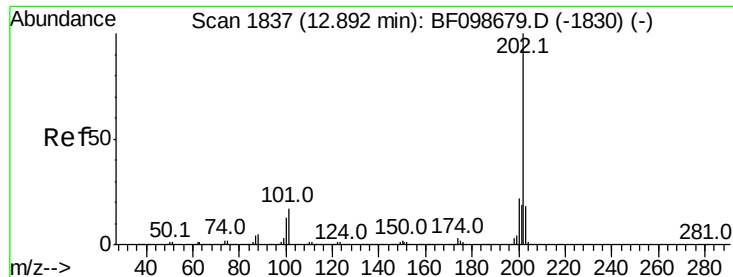


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 44.039 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

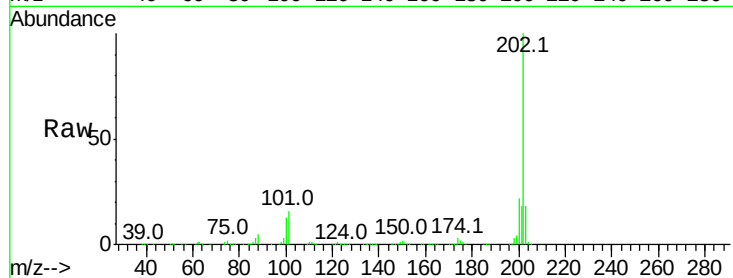
Tot Ion:202 Resp: 1128783

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

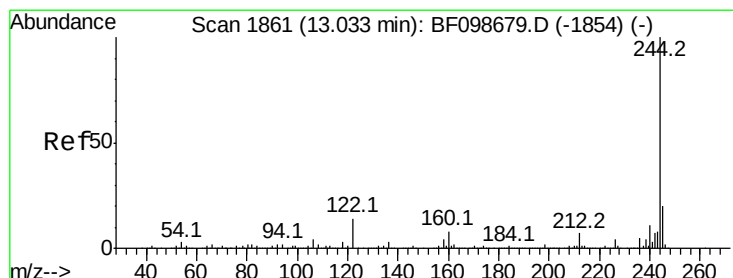
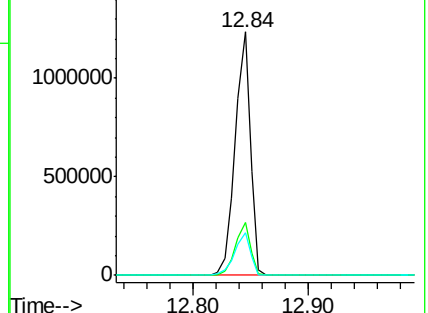
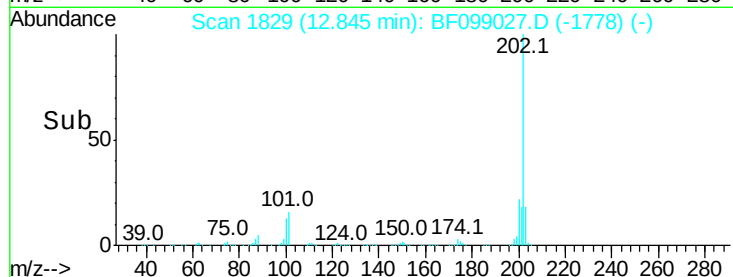
203 17.5 14.3 21.5



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: 86.689 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.01 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

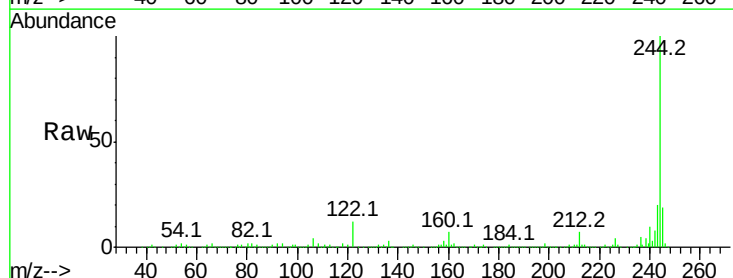
Tgt Ion:244 Resp: 1281293

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

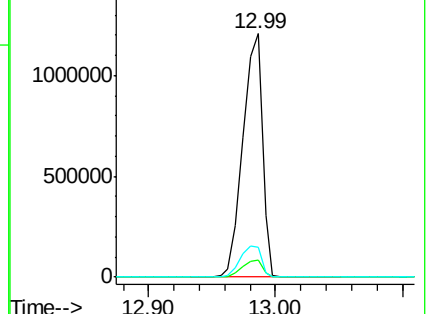
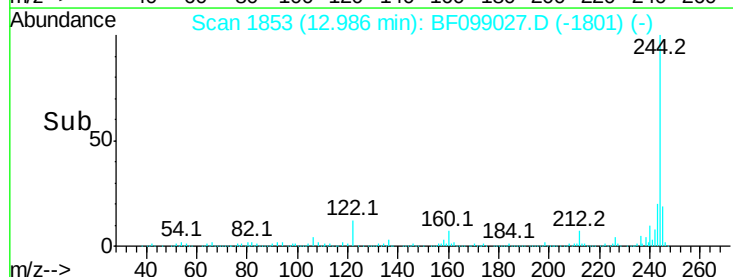
122 12.4 11.0 16.4

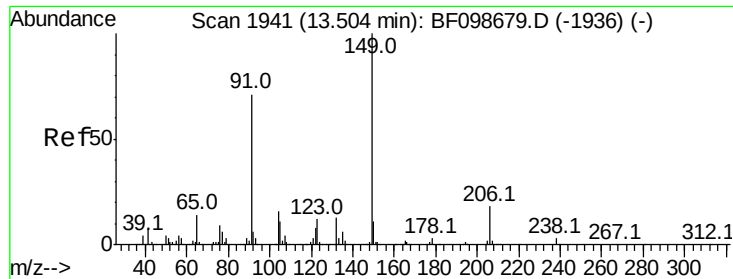


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 44.620 ng

RT: 13.45 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

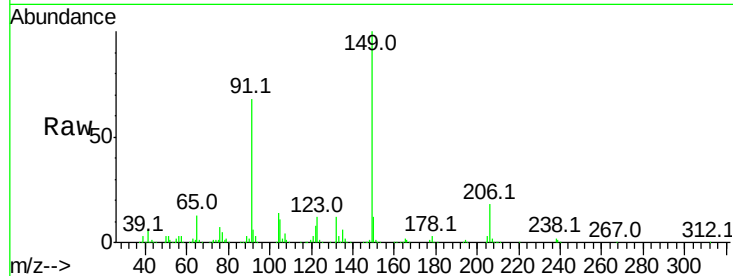
Tot Ion:149 Resp: 537504

Ion Ratio Lower Upper

149 100

91 67.9 56.8 85.2

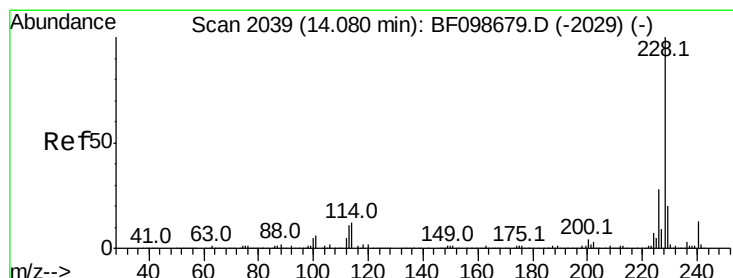
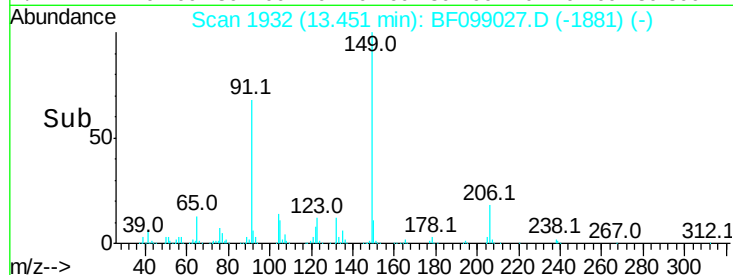
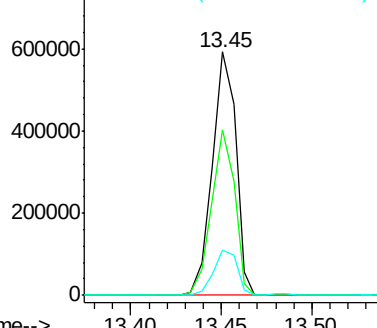
206 18.3 14.1 21.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 44.058 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

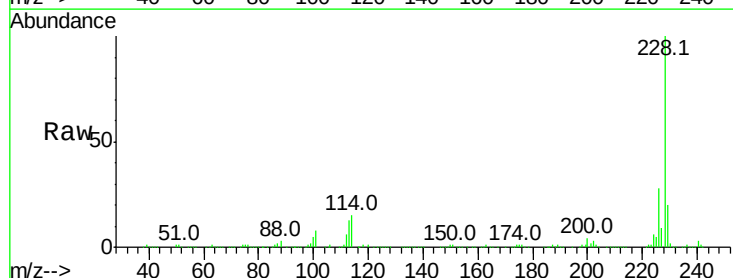
Tgt Ion:228 Resp: 896755

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

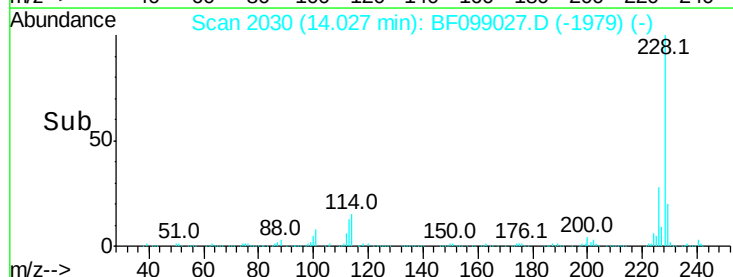
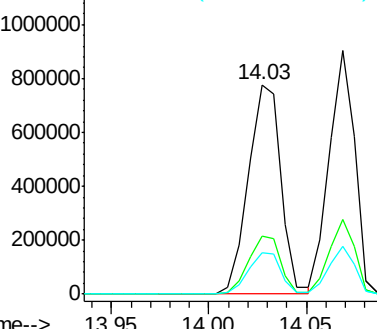
229 19.8 15.8 23.6

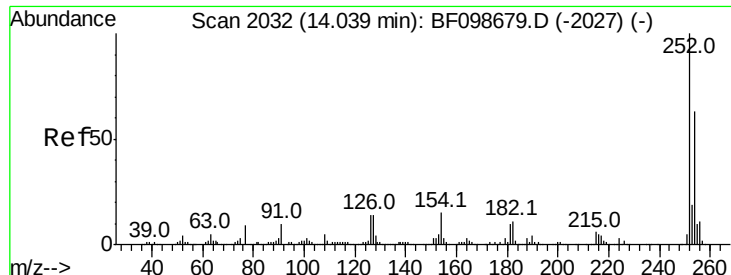


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

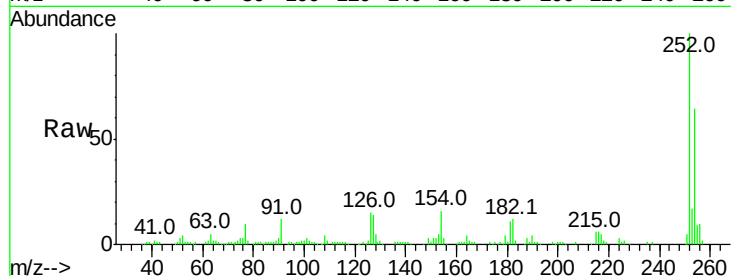




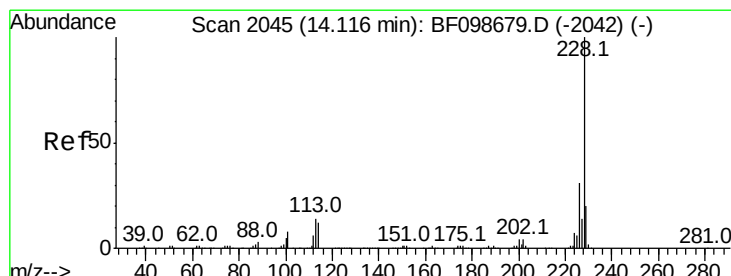
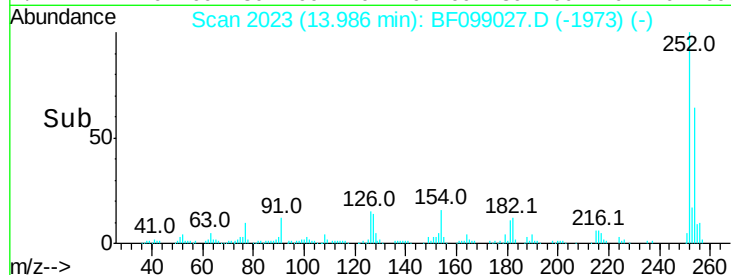
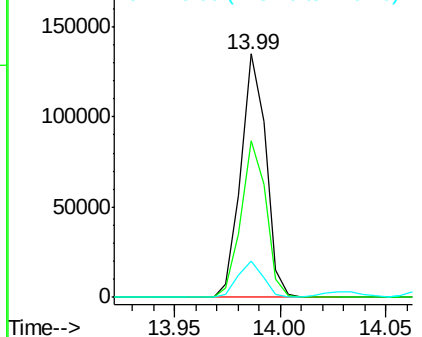
#81  
 3,3'-Dichlorobenzidine  
 Concen: 14.879 ng  
 RT: 13.99 min Scan# 2023  
 Delta R.T. -0.01 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:252 Resp: 111022  
 Ion Ratio Lower Upper  
 252 100  
 254 64.1 50.4 75.6  
 126 14.7 11.3 16.9

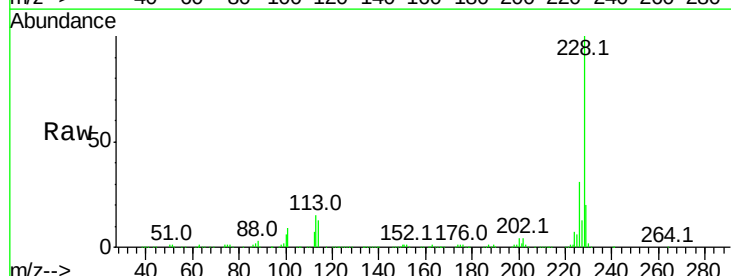


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

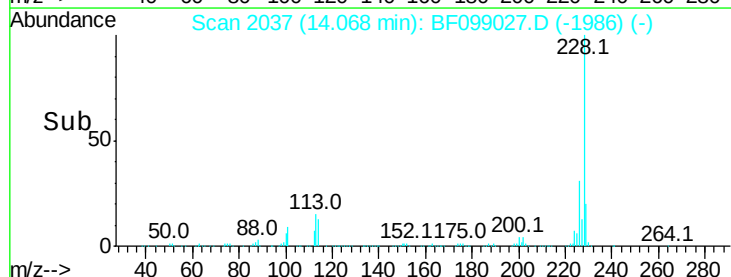
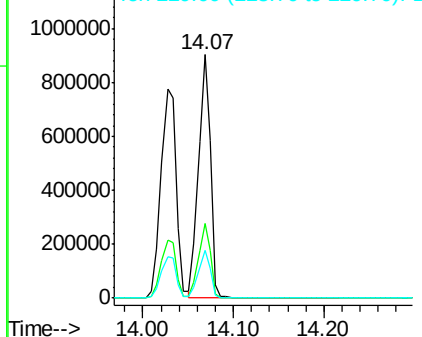


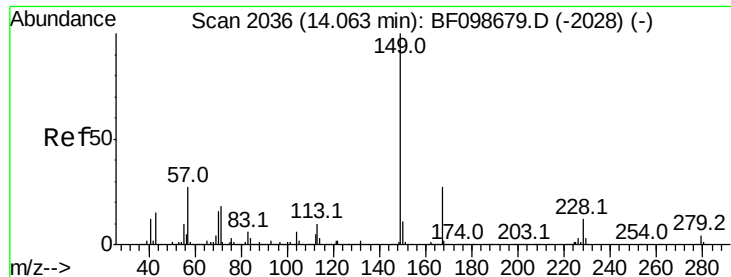
#82  
 Chrysene  
 Concen: 42.893 ng  
 RT: 14.07 min Scan# 2037  
 Delta R.T. -0.00 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

Tgt Ion:228 Resp: 831170  
 Ion Ratio Lower Upper  
 228 100  
 226 30.9 25.0 37.6  
 229 19.8 16.2 24.4



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.347 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

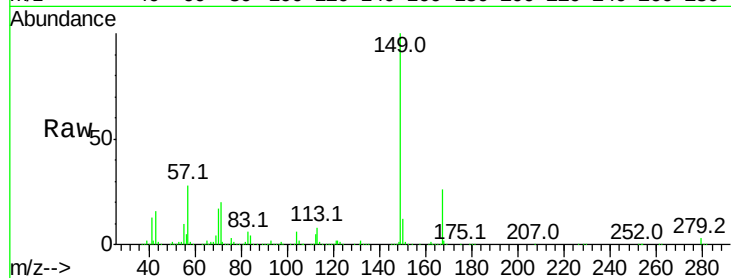
Tot Ion:149 Resp: 718994

Ion Ratio Lower Upper

149 100

167 26.0 21.3 31.9

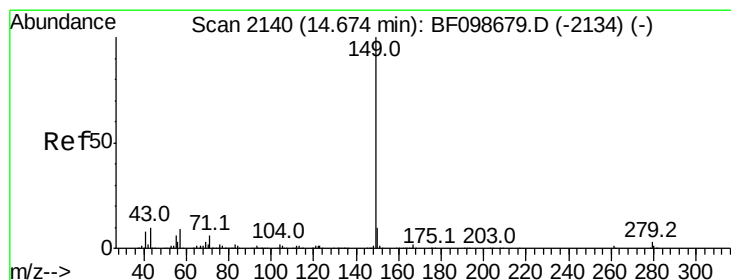
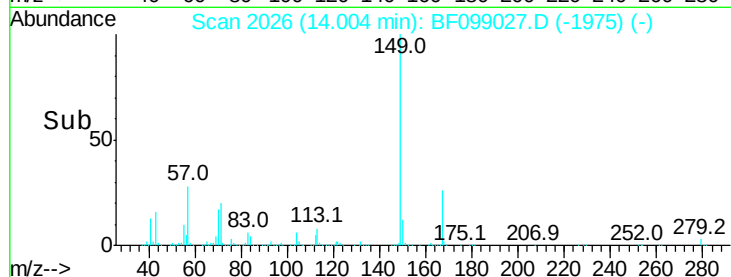
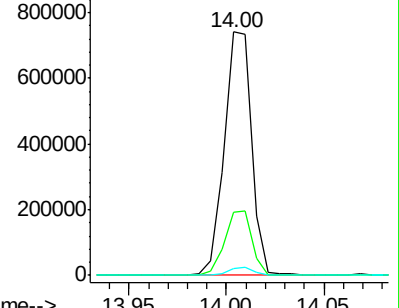
279 2.7 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 43.066 ng

RT: 14.62 min Scan# 2131

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

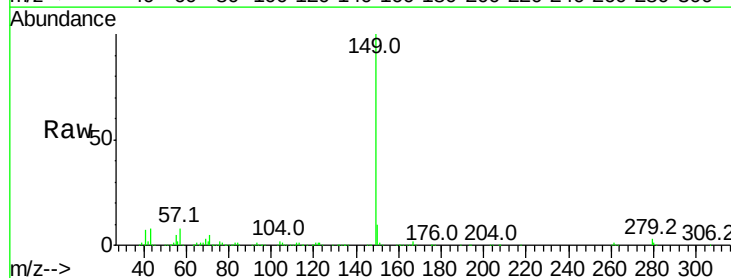
Tgt Ion:149 Resp: 1150235

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

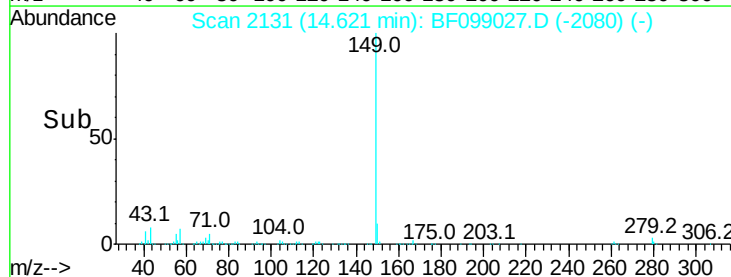
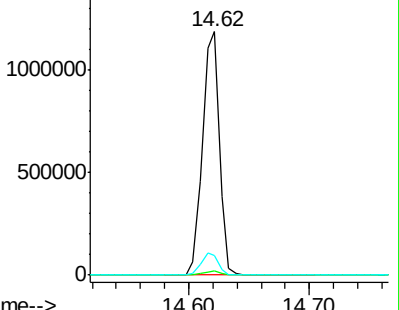
43 9.1 8.4 12.6

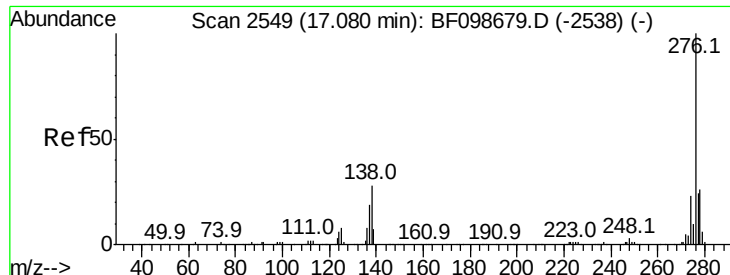


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

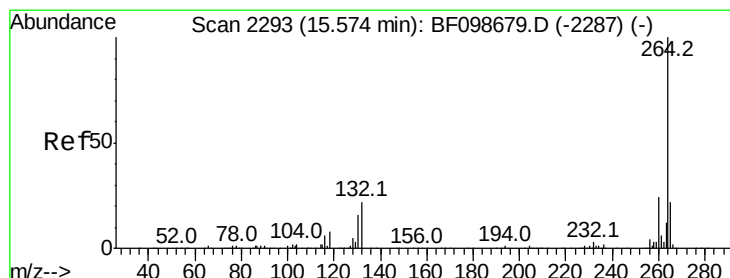
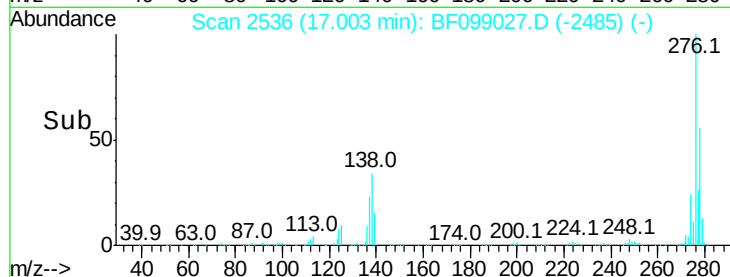
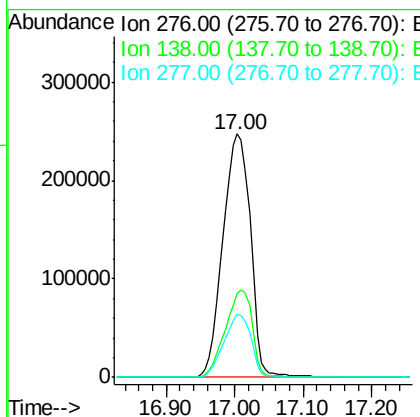
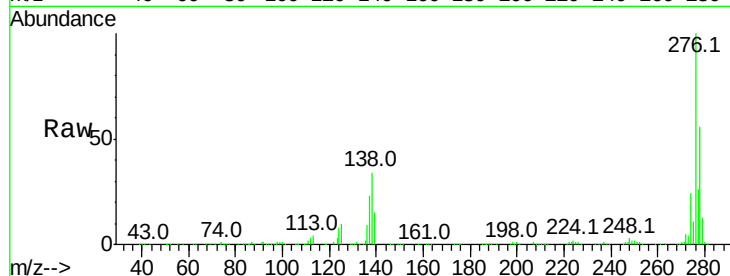




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 44.396 ng  
 RT: 17.00 min Scan# 2536  
 Delta R.T. -0.00 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

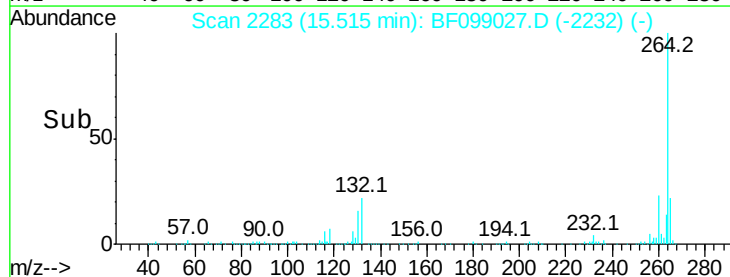
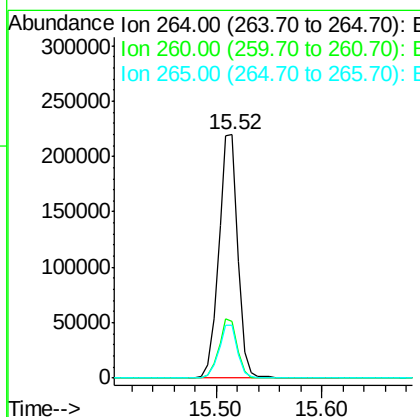
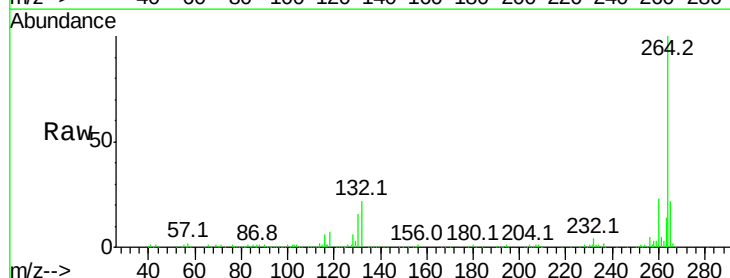
Instrument :  
 BNA\_F  
 ClientSampleId :

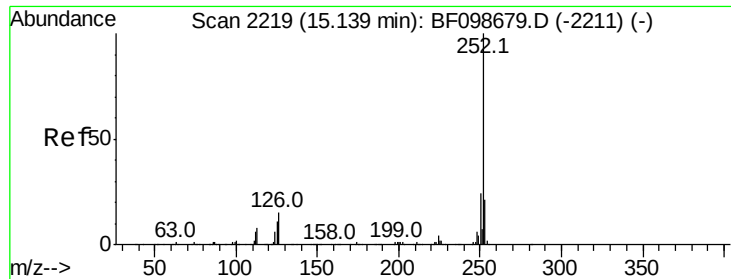
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 35.0  | 25.0  | 37.6  |
| 277     | 25.5  | 20.1  | 30.1  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.52 min Scan# 2283  
 Delta R.T. -0.00 min  
 Lab File: BF099027.D  
 Acq: 3 Oct 2017 13:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.2  | 28.8  |
| 265     | 21.6  | 17.5  | 26.3  |





#87

Benzo(b)fluoranthene

Concen: 41.074 ng

RT: 15.12 min Scan# 2215

Delta R.T. 0.04 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

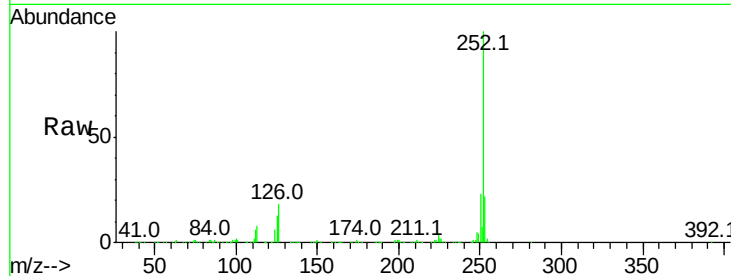
Tot Ion:252 Resp: 701025

Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

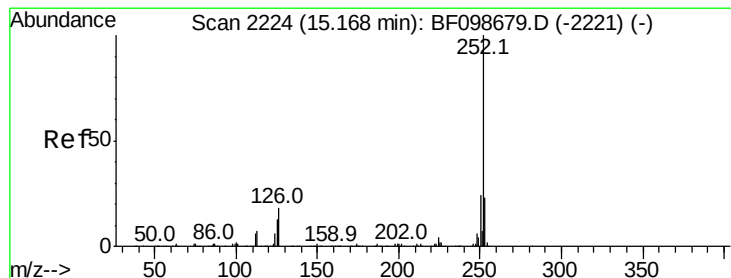
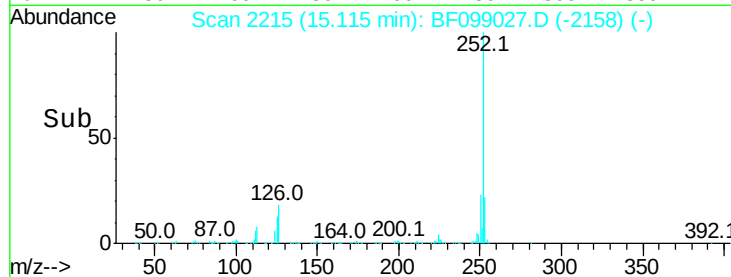
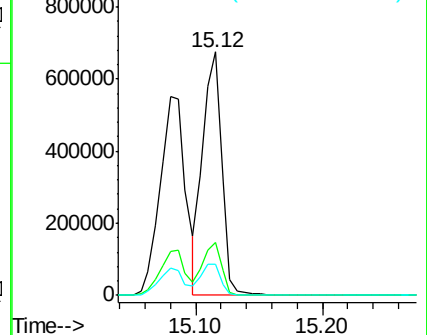
125 12.9 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 41.586 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

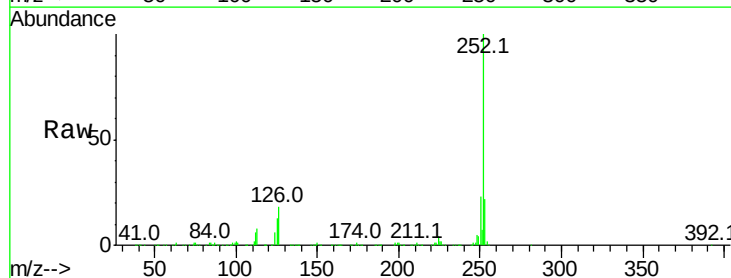
Tgt Ion:252 Resp: 701025

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

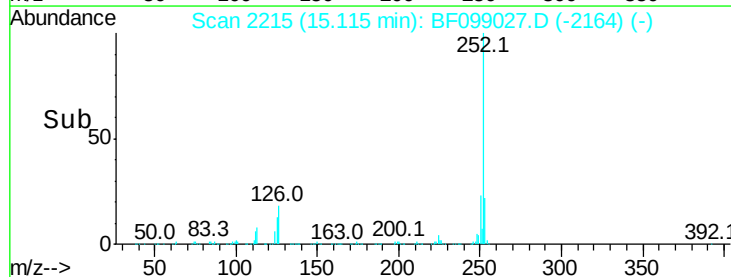
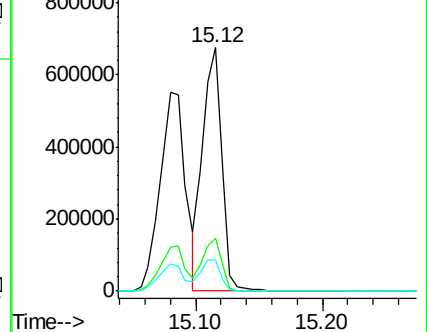
125 12.9 10.2 15.2



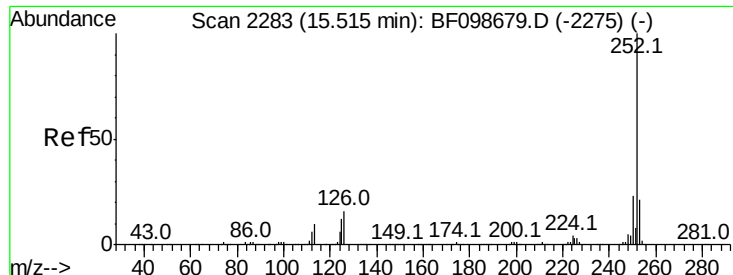
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



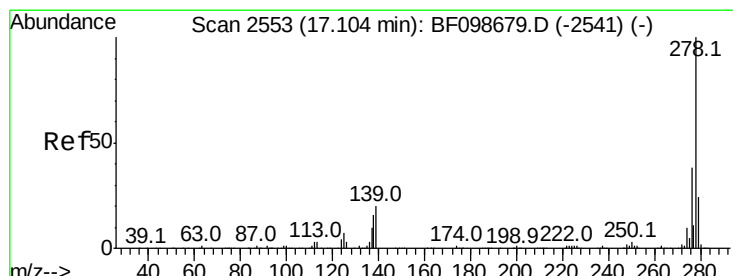
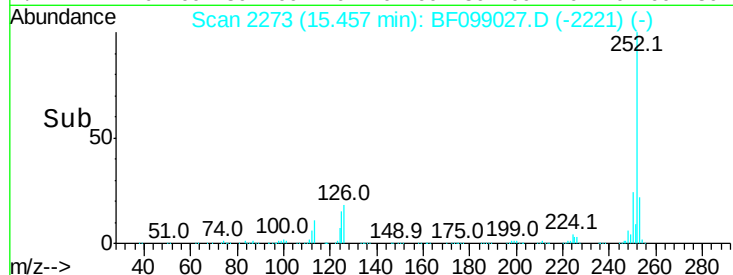
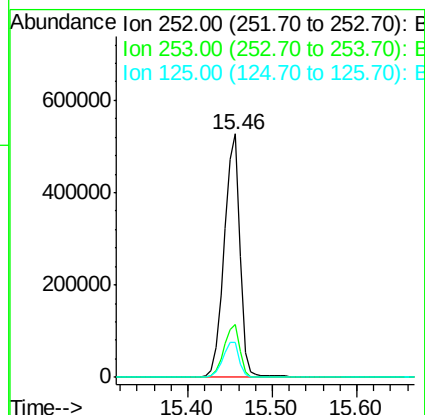
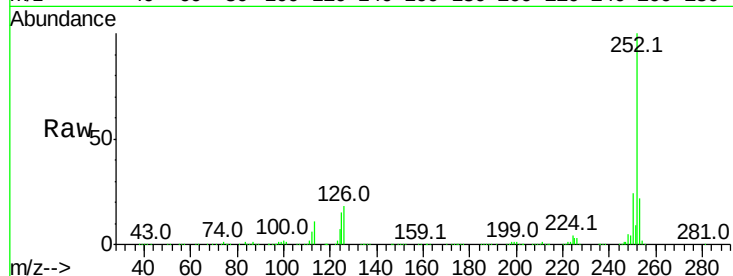




#89  
Benzo(a)pyrene  
Concen: 43.798 ng  
RT: 15.46 min Scan# 2273  
Delta R.T. 0.01 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

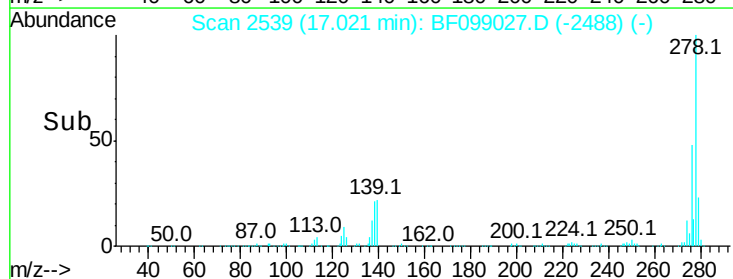
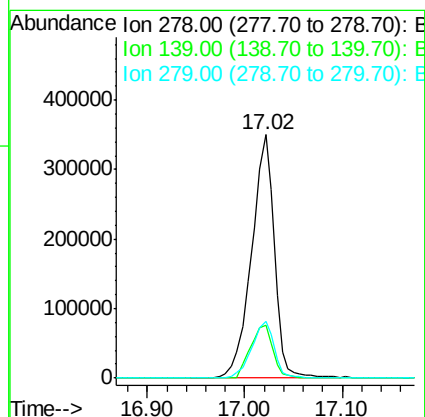
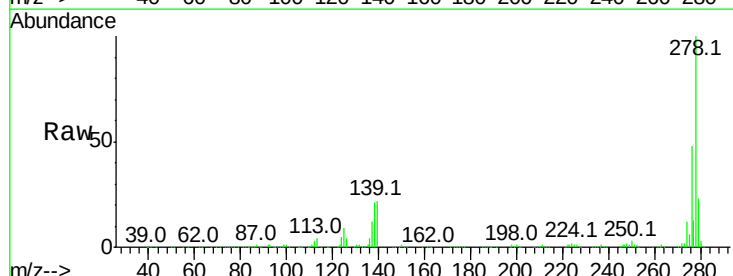
Instrument :  
BNA\_F  
ClientSampleId :

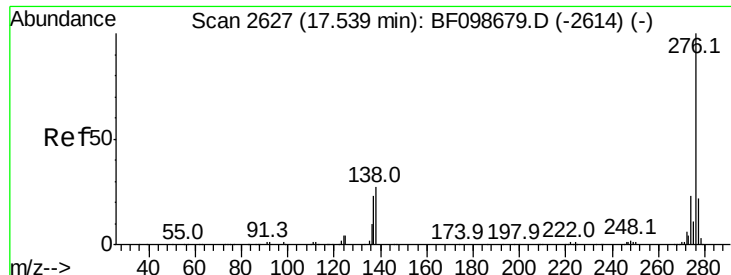
Tot Ion:252 Resp: 686170  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.1 25.7  
125 14.6 9.8 14.6



#90  
Dibenzo(a,h)anthracene  
Concen: 45.529 ng  
RT: 17.02 min Scan# 2539  
Delta R.T. -0.00 min  
Lab File: BF099027.D  
Acq: 3 Oct 2017 13:15

Tgt Ion:278 Resp: 570832  
Ion Ratio Lower Upper  
278 100  
139 21.6 15.9 23.9  
279 23.4 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 47.256 ng

RT: 17.46 min Scan# 2614

Delta R.T. 0.01 min

Lab File: BF099027.D

Acq: 3 Oct 2017 13:15

Instrument :

BNA\_F

ClientSampleId :

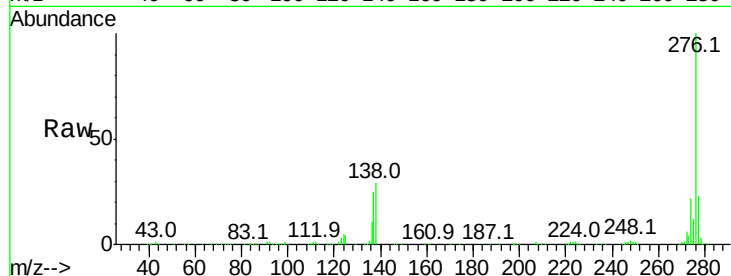
Tot Ion:276 Resp: 585668

Ion Ratio Lower Upper

276 100

277 23.3 17.9 26.9

138 28.7 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 277.00 (276.70 to 277.70): E  
Ion 138.00 (137.70 to 138.70): E

