

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041516\  
 Data File : BF086262.D  
 Acq On : 16 Apr 2016 13:30  
 Operator : UM/SJ  
 Sample : H2471-06  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSH4MSD

Quant Time: Apr 18 04:09:41 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF041516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 15 15:56:31 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.90  | 152  | 279125   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.18  | 136  | 1094452  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.94  | 164  | 504141   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.41 | 188  | 858280   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.05 | 240  | 466389   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.48 | 264  | 472929   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.50  | 112 | 2111403 | 123.94 | ng | 0.02 |
| 7) Phenol-d6             | 6.52  | 99  | 2586519 | 121.38 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.46  | 82  | 1681753 | 88.63  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.73 | 330 | 462283  | 114.19 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.26  | 172 | 2409224 | 88.18  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.00 | 244 | 1592622 | 85.87  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.58 | 88  | 344921  | 36.71 | ng | 97     |
| 3) Pyridine                    | 3.31 | 79  | 1012392 | 41.32 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.25 | 42  | 410736  | 46.41 | ng | # 75   |
| 6) Aniline                     | 6.56 | 93  | 687911  | 22.40 | ng | 98     |
| 8) 2-Chlorophenol              | 6.68 | 128 | 806125  | 41.83 | ng | 86     |
| 9) Benzaldehyde                | 6.44 | 77  | 278391  | 18.41 | ng | 92     |
| 10) Phenol                     | 6.54 | 94  | 940467  | 37.06 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 6.64 | 93  | 884177  | 46.31 | ng | 92     |
| 12) 1,3-Dichlorobenzene        | 6.83 | 146 | 822269  | 40.21 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.91 | 146 | 784228  | 40.26 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.07 | 146 | 758786  | 43.89 | ng | 98     |
| 15) Benzyl Alcohol             | 7.04 | 79  | 664352  | 43.95 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45  | 1263214 | 42.47 | ng | 100    |
| 17) 2-Methylphenol             | 7.15 | 107 | 723251  | 45.04 | ng | 95     |
| 18) Hexachloroethane           | 7.41 | 117 | 314988  | 42.86 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.31 | 70  | 533159  | 39.10 | ng | # 82   |
| 20) 3+4-Methylphenols          | 7.30 | 107 | 718609  | 39.95 | ng | 91     |
| 22) Acetophenone               | 7.31 | 105 | 980571  | 48.93 | ng | # 95   |
| 24) Nitrobenzene               | 7.48 | 77  | 985998  | 47.52 | ng | 98     |
| 25) Isophorone                 | 7.72 | 82  | 1684760 | 44.74 | ng | 99     |
| 26) 2-Nitrophenol              | 7.80 | 139 | 460830  | 50.94 | ng | # 67   |
| 27) 2,4-Dimethylphenol         | 7.84 | 122 | 805662  | 44.10 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.93 | 93  | 1033998 | 46.71 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.04 | 162 | 663893  | 47.80 | ng | 89     |
| 30) 1,2,4-Trichlorobenzene     | 8.12 | 180 | 637183  | 43.84 | ng | 98     |
| 31) Naphthalene                | 8.20 | 128 | 2110542 | 43.18 | ng | 100    |
| 32) Benzoic acid               | 7.88 | 122 | 40801   | 3.49  | ng | 97     |
| 33) 4-Chloroaniline            | 8.25 | 127 | 327444  | 14.99 | ng | 95     |
| 34) Hexachlorobutadiene        | 8.33 | 225 | 328617  | 45.13 | ng | 100    |
| 35) Caprolactam                | 8.61 | 113 | 165915  | 33.00 | ng | # 67   |
| 36) 4-Chloro-3-methylphenol    | 8.73 | 107 | 766546  | 47.63 | ng | 93     |
| 37) 2-Methylnaphthalene        | 8.90 | 142 | 1507572 | 47.71 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 453081  | 42.01 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.05 | 237 | 480933  | 80.93 | ng | 99     |

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 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

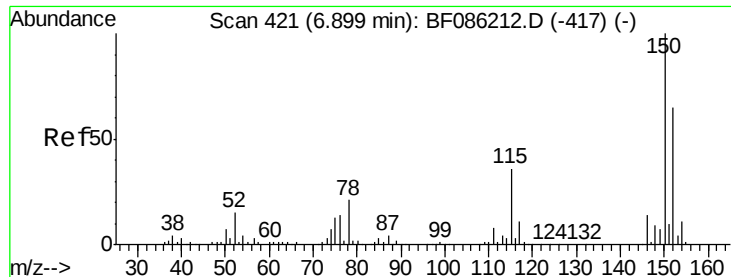
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSH4MSD

Quant Time: Apr 18 04:09:41 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF041516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 15 15:56:31 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.17  | 196  | 439041   | 44.21 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.21  | 196  | 432292   | 45.06 | ng    | # 86     |
| 45) 1,1'-Biphenyl              | 9.36  | 154  | 1503017  | 41.41 | ng    | 100      |
| 46) 2-Chloronaphthalene        | 9.38  | 162  | 1253629  | 42.31 | ng    | 99       |
| 47) 2-Nitroaniline             | 9.47  | 65   | 453567   | 47.25 | ng    | 96       |
| 48) Acenaphthylene             | 9.80  | 152  | 2177425  | 46.18 | ng    | 99       |
| 49) Dimethylphthalate          | 9.66  | 163  | 1843732  | 50.30 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.72  | 165  | 389428   | 48.01 | ng    | 90       |
| 51) Acenaphthene               | 9.97  | 154  | 1339766  | 47.57 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.88  | 138  | 251901   | 25.56 | ng    | 100      |
| 53) 2,4-Dinitrophenol          | 9.98  | 184  | 205399   | 69.03 | ng    | 91       |
| 54) Dibenzofuran               | 10.14 | 168  | 1830182  | 49.20 | ng    | 96       |
| 55) 4-Nitrophenol              | 10.04 | 139  | 568475   | 73.73 | ng    | 93       |
| 56) 2,4-Dinitrotoluene         | 10.12 | 165  | 504635   | 48.60 | ng    | # 82     |
| 57) Fluorene                   | 10.49 | 166  | 1236682  | 48.99 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.26 | 232  | 333251   | 47.83 | ng    | 96       |
| 59) Diethylphthalate           | 10.36 | 149  | 1499003  | 39.62 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.48 | 204  | 497181   | 47.54 | ng    | 98       |
| 61) 4-Nitroaniline             | 10.50 | 138  | 352614   | 41.39 | ng    | 91       |
| 62) Azobenzene                 | 10.64 | 77   | 1711480  | 46.23 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 194427   | 47.60 | ng    | 98       |
| 65) n-Nitrosodiphenylamine     | 10.59 | 169  | 1206973  | 45.92 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.97 | 248  | 348073   | 43.51 | ng    | 94       |
| 67) Hexachlorobenzene          | 11.02 | 284  | 363595   | 43.38 | ng    | 94       |
| 68) Atrazine                   | 11.13 | 200  | 402409   | 49.96 | ng    | 96       |
| 69) Pentachlorophenol          | 11.22 | 266  | 382970   | 75.35 | ng    | 98       |
| 70) Phenanthrene               | 11.45 | 178  | 1983231  | 48.38 | ng    | 99       |
| 71) Anthracene                 | 11.49 | 178  | 1713491  | 44.12 | ng    | 100      |
| 72) Carbazole                  | 11.64 | 167  | 1818815  | 46.65 | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.98 | 149  | 2208097  | 41.89 | ng    | 100      |
| 74) Fluoranthene               | 12.62 | 202  | 1686458  | 48.19 | ng    | 98       |
| 76) Benzidine                  | 12.75 | 184  | 537562   | 29.71 | ng    | 96       |
| 77) Pyrene                     | 12.85 | 202  | 1668131  | 46.62 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.48 | 149  | 915958   | 55.42 | ng    | 96       |
| 80) Benzo(a)anthracene         | 14.04 | 228  | 1059847  | 41.40 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.01 | 252  | 183626   | 12.37 | ng    | # 96     |
| 82) Chrysene                   | 14.08 | 228  | 1105571  | 40.50 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 885448   | 49.61 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.65 | 149  | 1668866  | 48.51 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.90 | 276  | 1434479  | 63.93 | ng    | 97       |
| 87) Benzo(b)fluoranthene       | 15.11 | 252  | 2311090  | 79.21 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 15.11 | 252  | 2311090  | 86.87 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.43 | 252  | 1116962  | 44.19 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.92 | 278  | 1160552  | 51.96 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.33 | 276  | 1260956  | 53.09 | ng    | 97       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

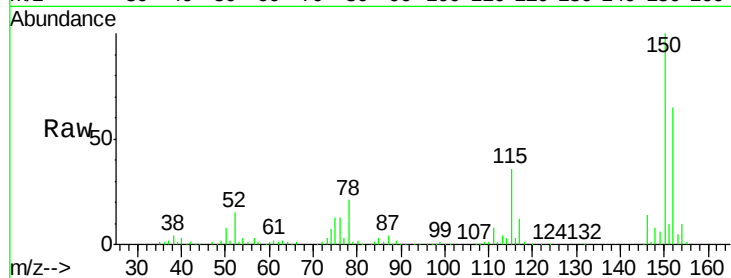
Tgt Ion:152 Resp: 279125

Ion Ratio Lower Upper

152 100

150 154.6 124.1 186.1

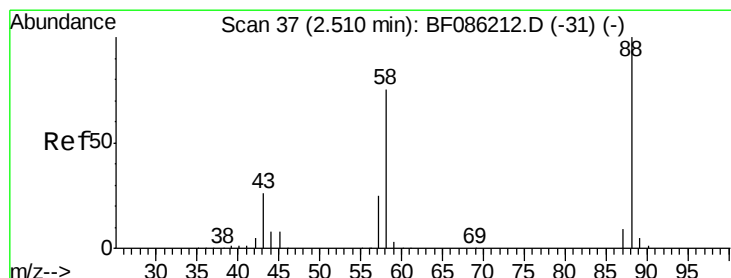
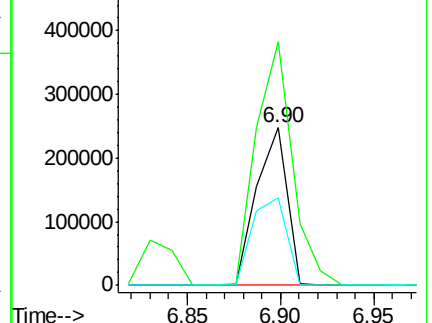
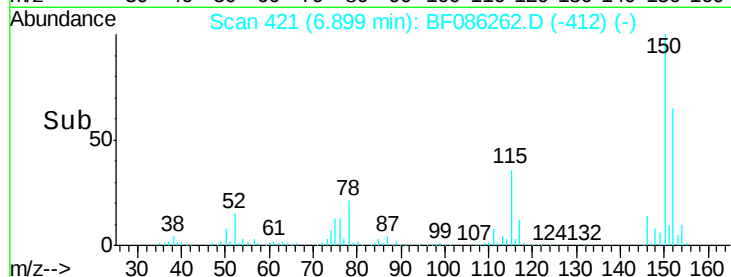
115 55.4 43.9 65.9



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: 36.71 ng

RT: 2.58 min Scan# 43

Delta R.T. 0.07 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

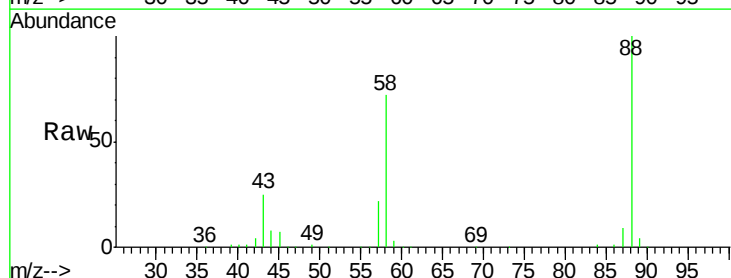
Tgt Ion: 88 Resp: 344921

Ion Ratio Lower Upper

88 100

58 72.1 58.4 87.6

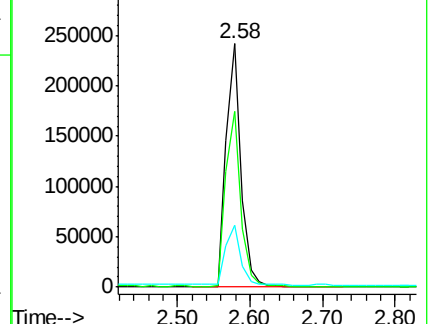
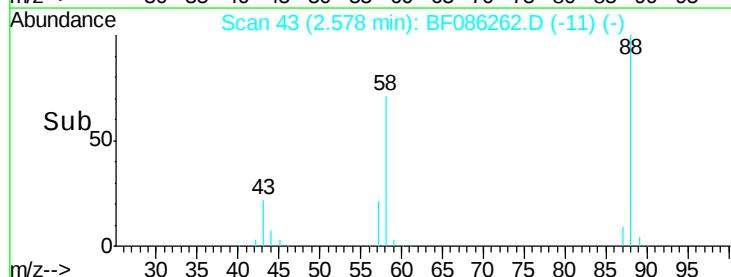
43 25.0 23.3 34.9

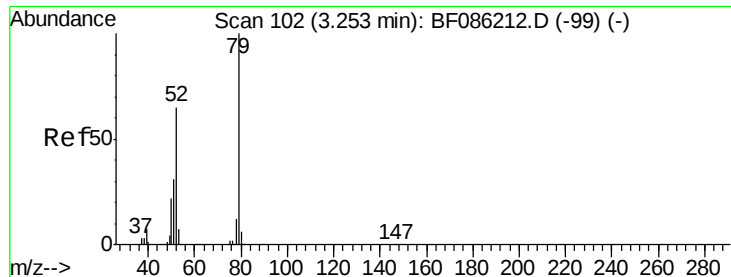


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 41.32 ng

RT: 3.31 min Scan# 107

Delta R.T. 0.06 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

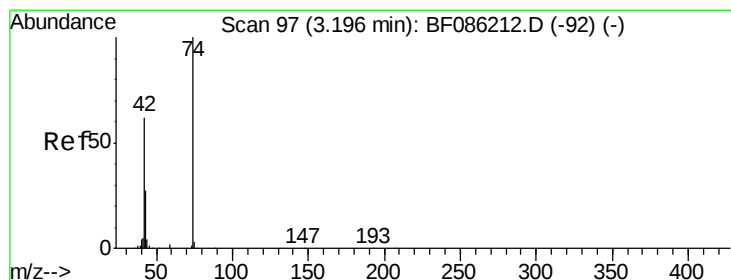
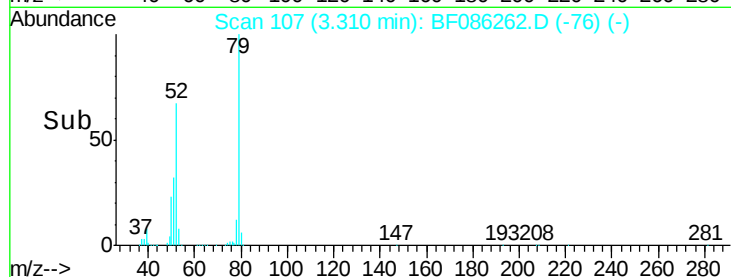
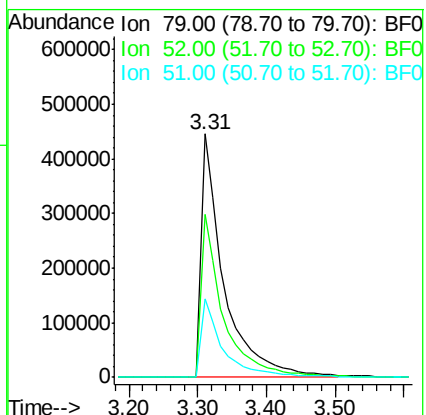
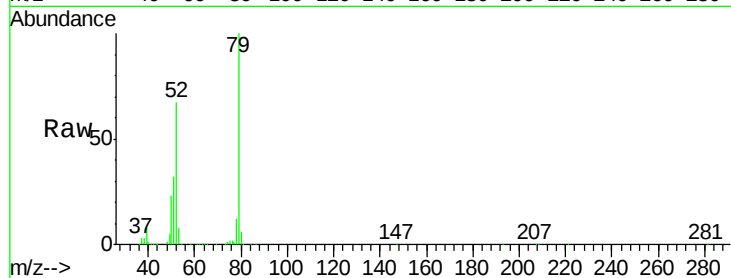
Tgt Ion: 79 Resp: 1012392

Ion Ratio Lower Upper

79 100

52 66.8 55.4 83.2

51 32.3 28.1 42.1



#4

n-Nitrosodimethylamine

Concen: 46.41 ng

RT: 3.25 min Scan# 102

Delta R.T. 0.06 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

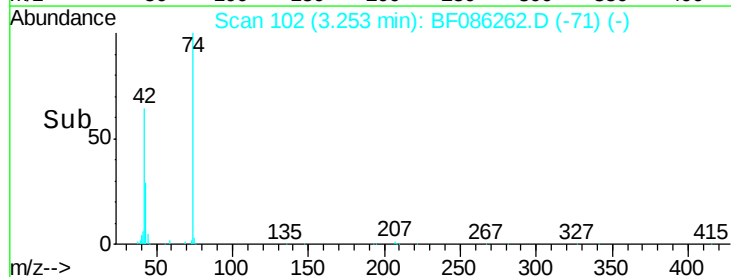
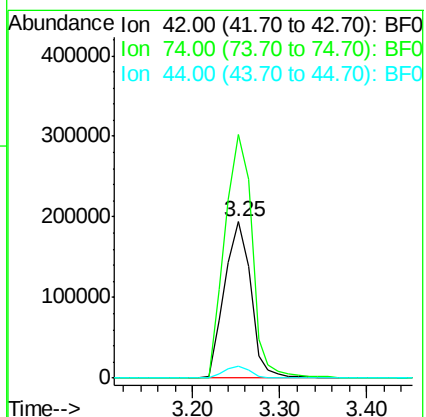
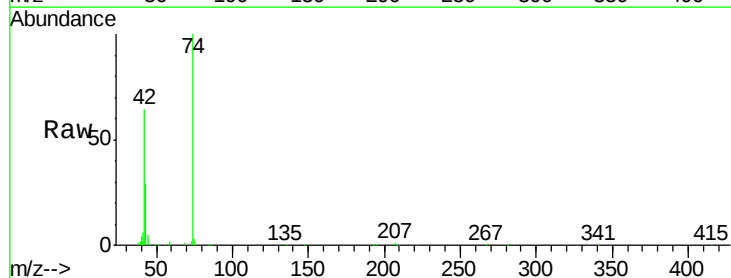
Tgt Ion: 42 Resp: 410736

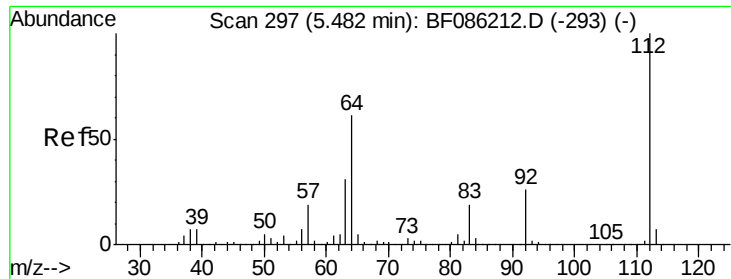
Ion Ratio Lower Upper

42 100

74 156.1 100.5 150.7#

44 7.5 5.4 8.0





#5

2-Fluorophenol

Concen: 123.94 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.02 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

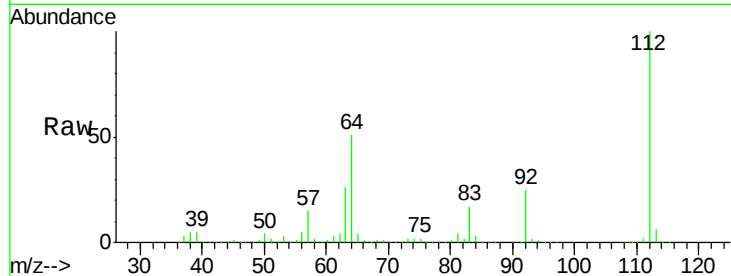
Tgt Ion: 112 Resp: 2111403

Ion Ratio Lower Upper

112 100

64 51.1 48.1 72.1

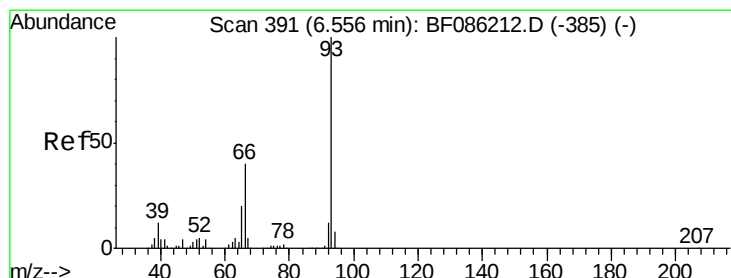
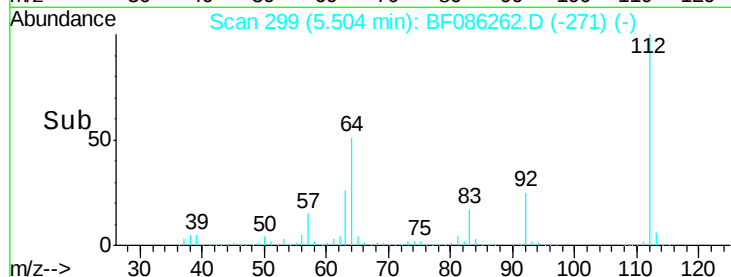
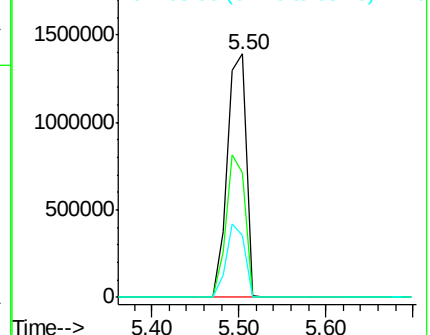
63 25.5 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 22.40 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

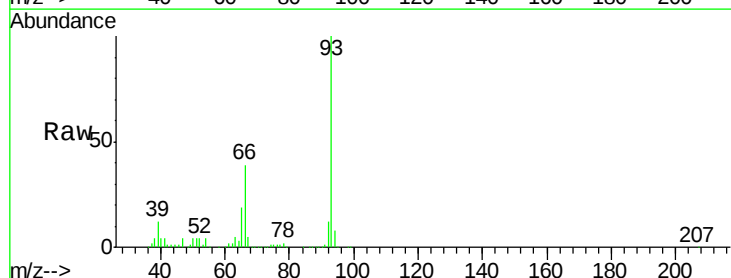
Tgt Ion: 93 Resp: 687911

Ion Ratio Lower Upper

93 100

66 39.3 32.2 48.2

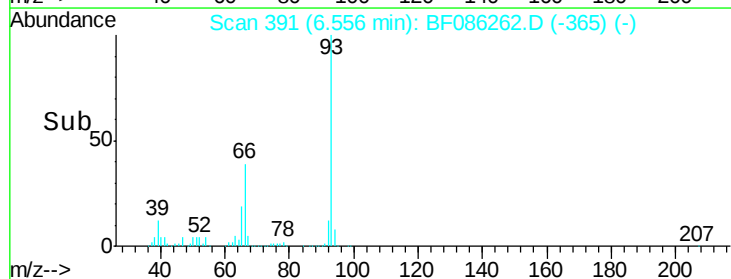
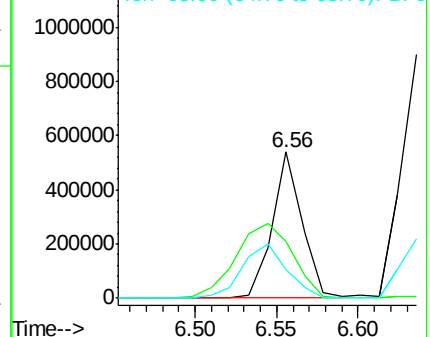
65 19.4 16.4 24.6

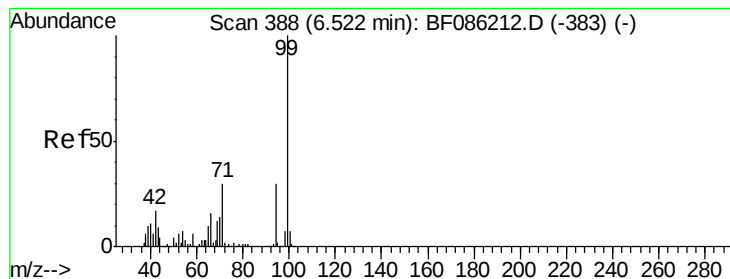


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 121.38 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

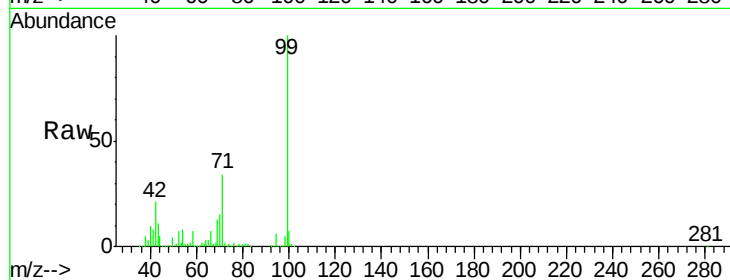
Tgt Ion: 99 Resp: 2586519

Ion Ratio Lower Upper

99 100

42 21.4 15.4 23.2

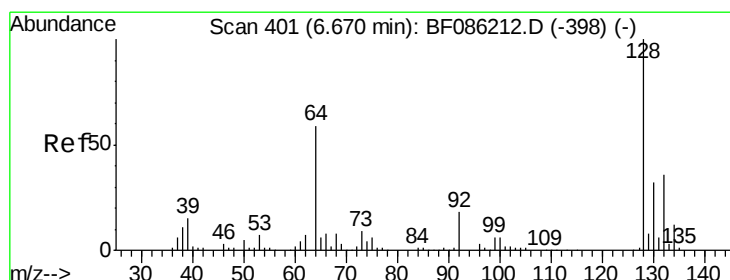
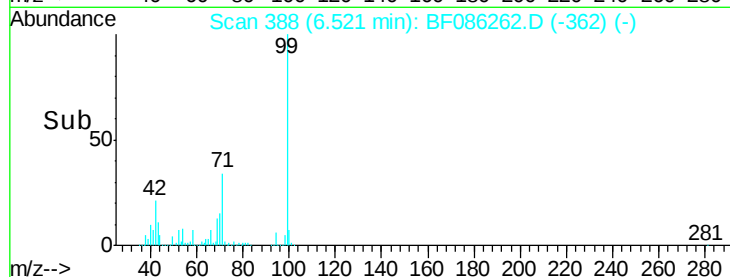
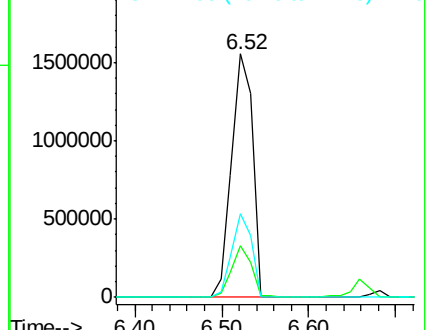
71 34.3 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 41.83 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

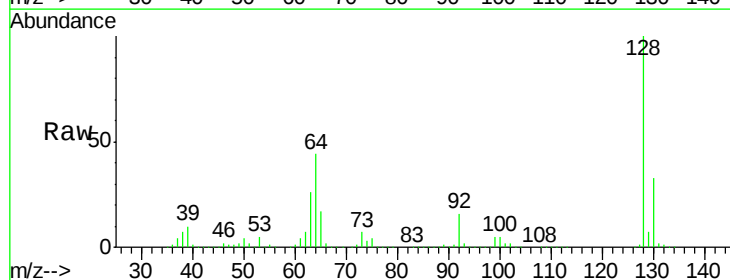
Tgt Ion: 128 Resp: 806125

Ion Ratio Lower Upper

128 100

130 33.2 11.8 51.8

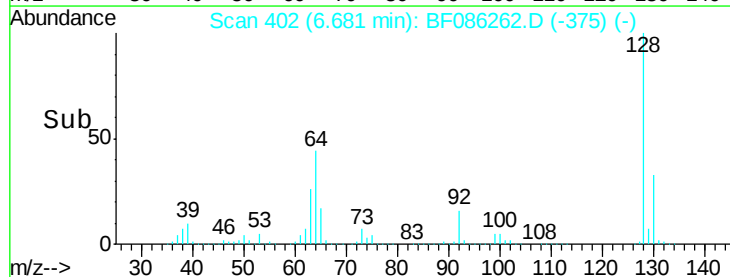
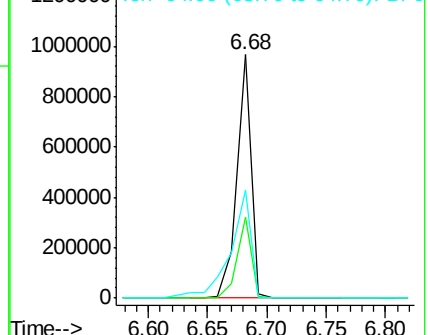
64 44.1 39.5 79.5

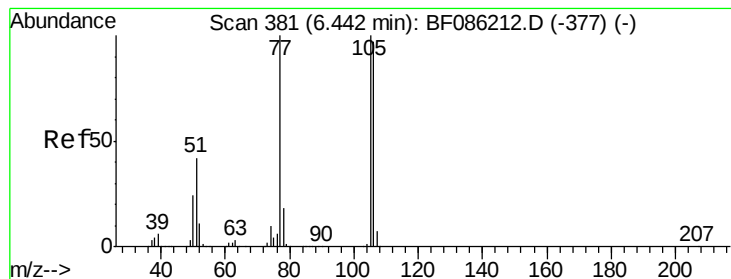


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 18.41 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

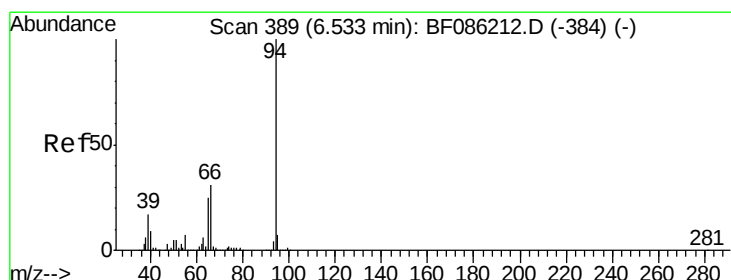
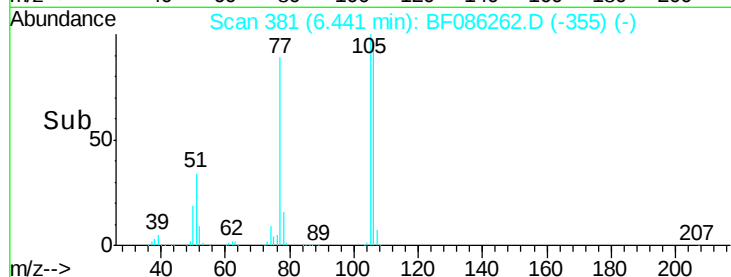
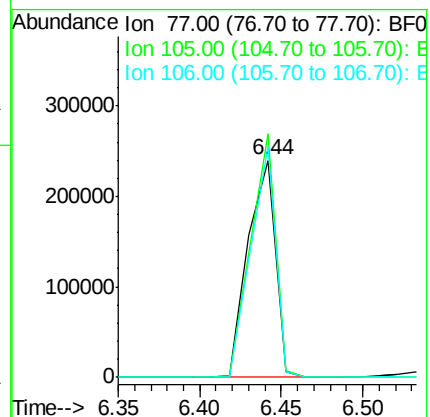
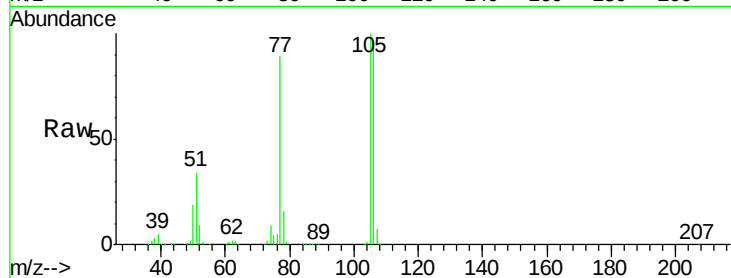
Tgt Ion: 77 Resp: 278391

Ion Ratio Lower Upper

77 100

105 112.2 84.6 124.6

106 106.6 78.6 118.6



#10

Phenol

Concen: 37.06 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

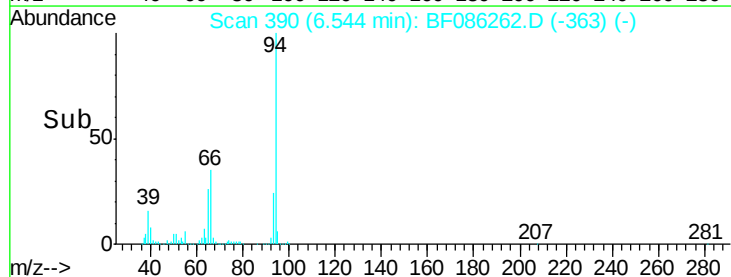
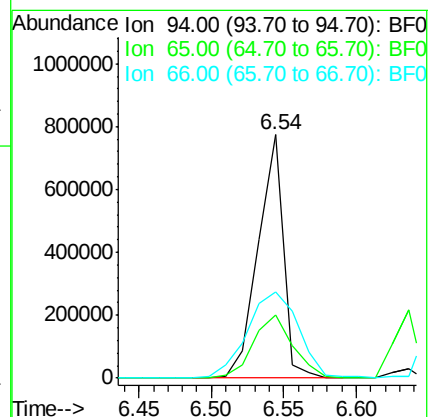
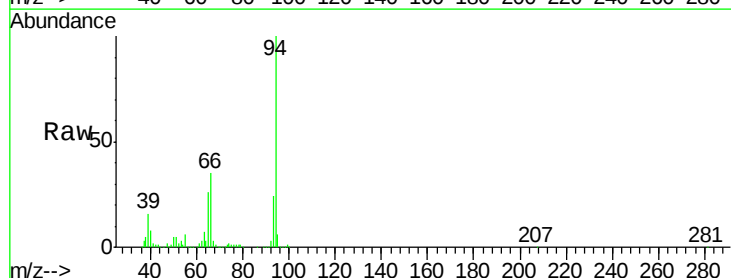
Tgt Ion: 94 Resp: 940467

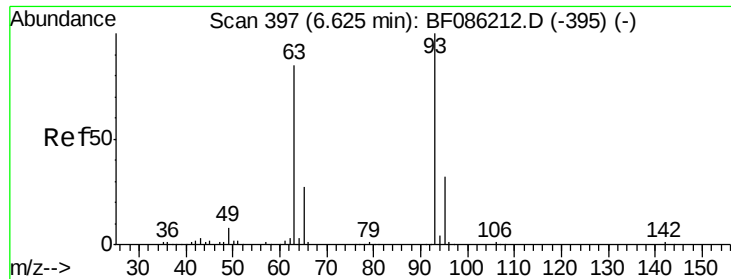
Ion Ratio Lower Upper

94 100

65 25.9 7.9 47.9

66 35.4 16.5 56.5

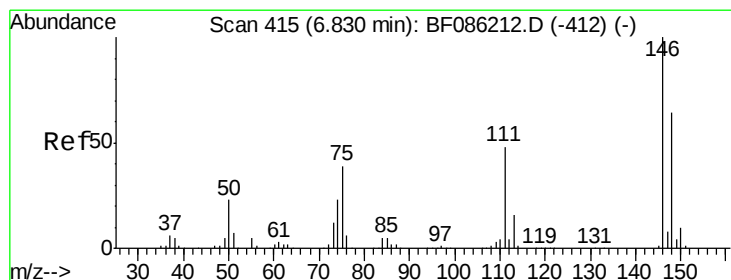
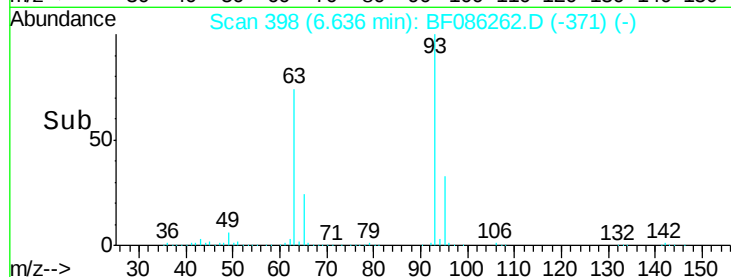
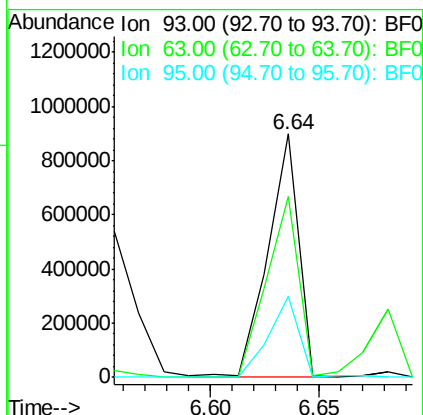
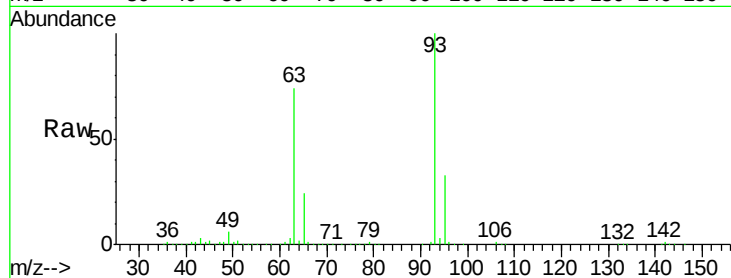




#11  
 bis(2-Chloroethyl)ether  
 Concen: 46.31 ng  
 RT: 6.64 min Scan# 398  
 Delta R.T. 0.01 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

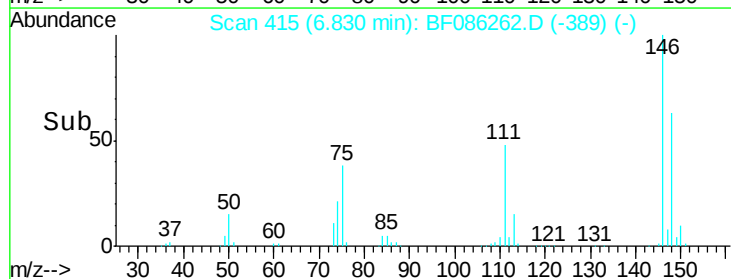
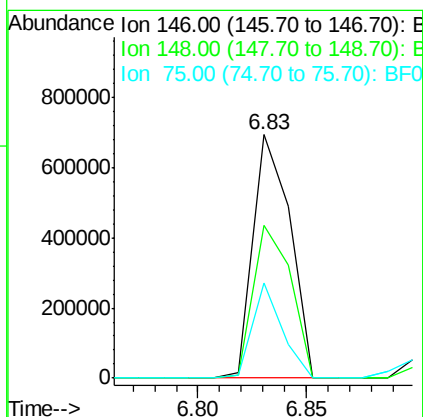
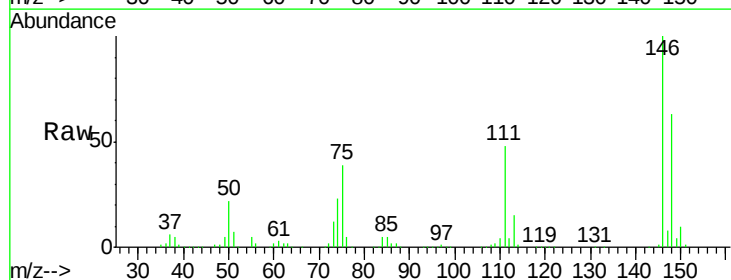
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSH4MSD

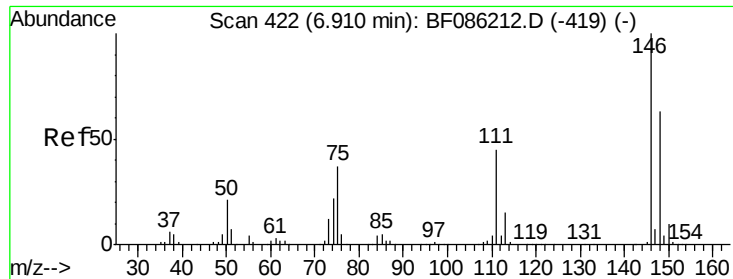
Tgt Ion: 93 Resp: 884177  
 Ion Ratio Lower Upper  
 93 100  
 63 74.2 44.4 84.4  
 95 33.3 13.1 53.1



#12  
 1,3-Dichlorobenzene  
 Concen: 40.21 ng  
 RT: 6.83 min Scan# 415  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Tgt Ion: 146 Resp: 822269  
 Ion Ratio Lower Upper  
 146 100  
 148 62.6 51.0 76.4  
 75 38.9 29.9 44.9

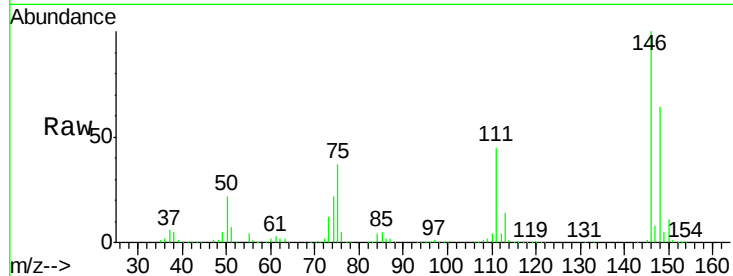




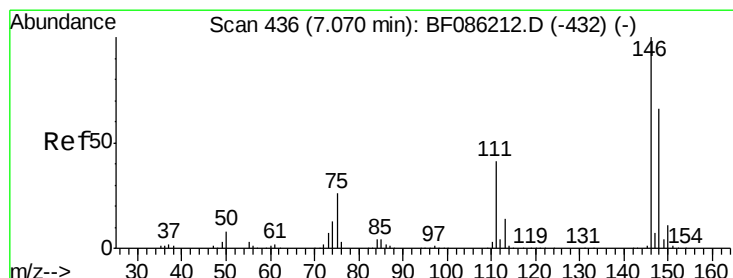
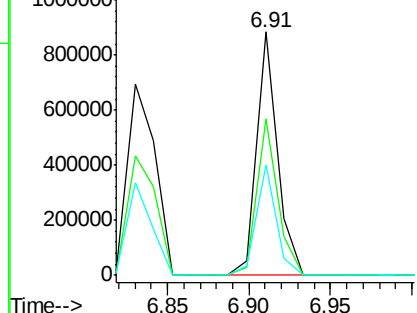
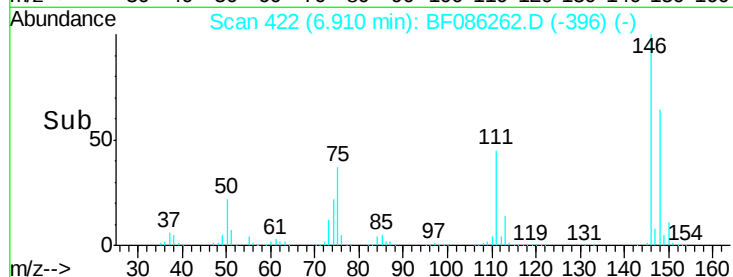
#13  
 1,4-Dichlorobenzene  
 Concen: 40.26 ng  
 RT: 6.91 min Scan# 422  
 Delta R.T. 0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSH4MSD

Tgt Ion:146 Resp: 784228  
 Ion Ratio Lower Upper  
 146 100  
 148 64.2 51.8 77.6  
 111 45.2 34.9 52.3

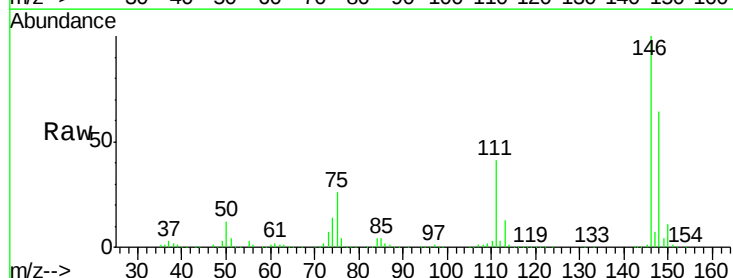


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

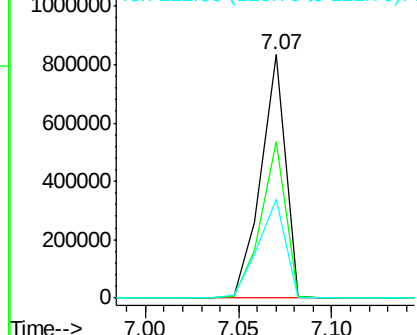
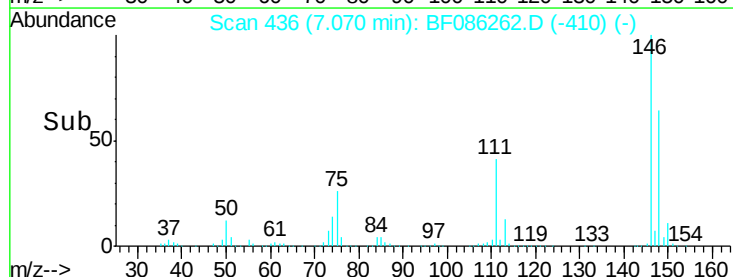


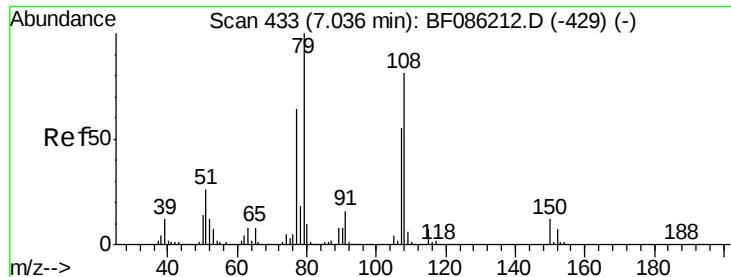
#14  
 1,2-Dichlorobenzene  
 Concen: 43.89 ng  
 RT: 7.07 min Scan# 436  
 Delta R.T. 0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Tgt Ion:146 Resp: 758786  
 Ion Ratio Lower Upper  
 146 100  
 148 64.3 52.2 78.2  
 111 40.6 31.0 46.4



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





#15

Benzyl Alcohol

Concen: 43.95 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

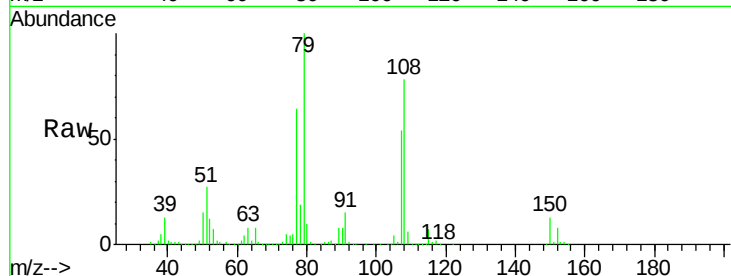
Tgt Ion: 79 Resp: 664352

Ion Ratio Lower Upper

79 100

108 77.8 64.8 97.2

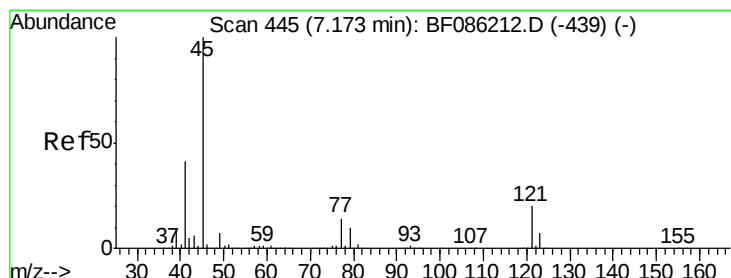
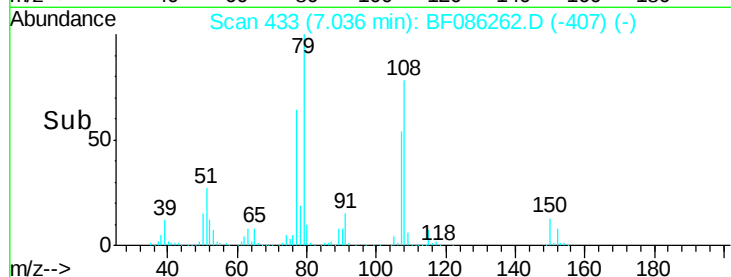
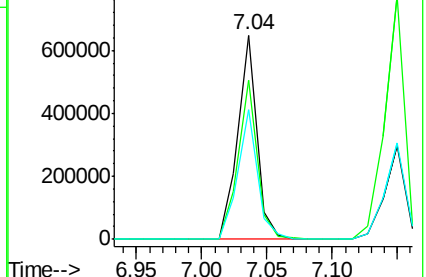
77 63.6 51.9 77.9



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.47 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

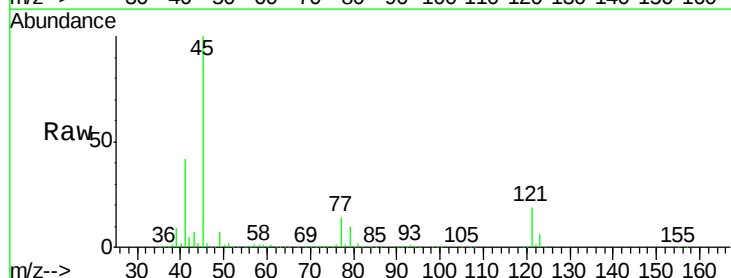
Tgt Ion: 45 Resp: 1263214

Ion Ratio Lower Upper

45 100

77 13.6 0.0 33.7

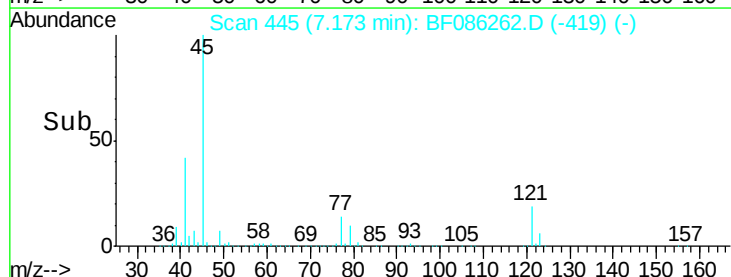
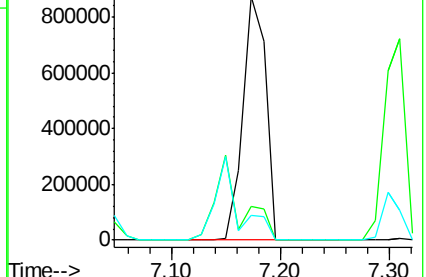
79 10.4 0.0 30.1

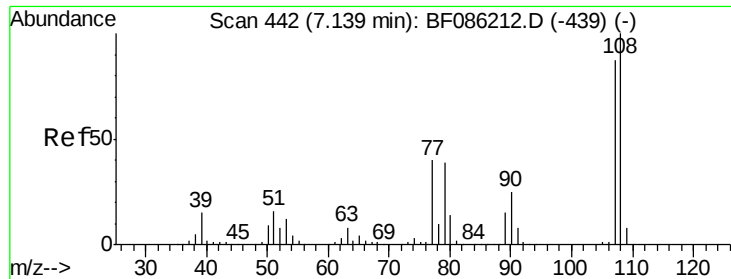


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

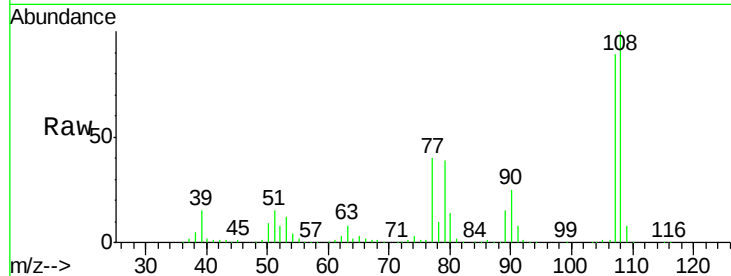




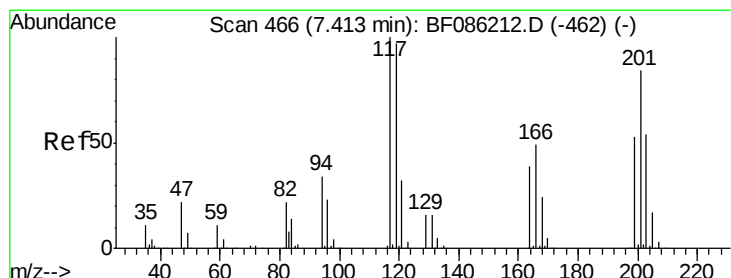
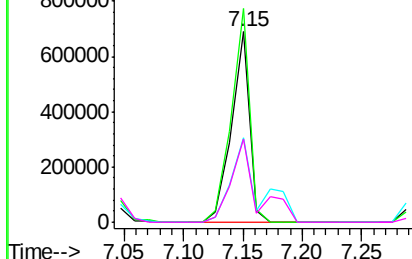
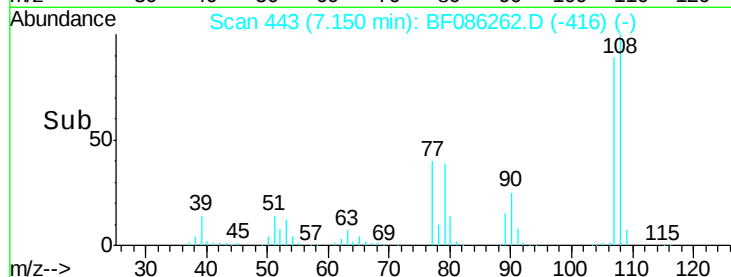
#17  
2-Methylphenol  
Concen: 45.04 ng  
RT: 7.15 min Scan# 443  
Delta R.T. 0.01 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

Instrument :  
BNA\_F  
ClientSampleId :  
CDMSH4MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 723251 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 112.2 | 92.7  | 139.1  |
| 77       | 44.4  | 39.6  | 59.4   |
| 79       | 43.4  | 37.4  | 56.2   |

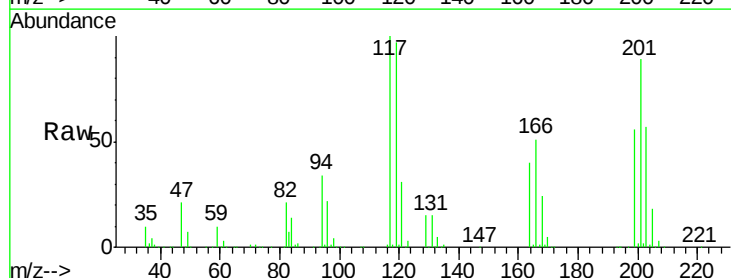


Abundance Ion 107.00 (106.70 to 107.70): E  
1200000  
Ion 108.00 (107.70 to 108.70): E  
1000000  
Ion 77.00 (76.70 to 77.70): BF0  
800000  
Ion 79.00 (78.70 to 79.70): BF0  
600000  
400000  
200000  
0

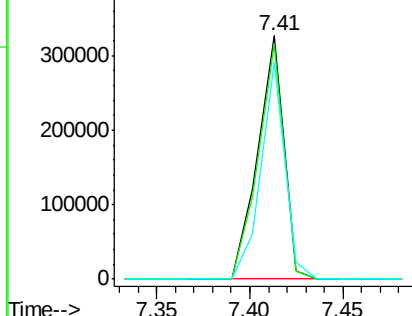
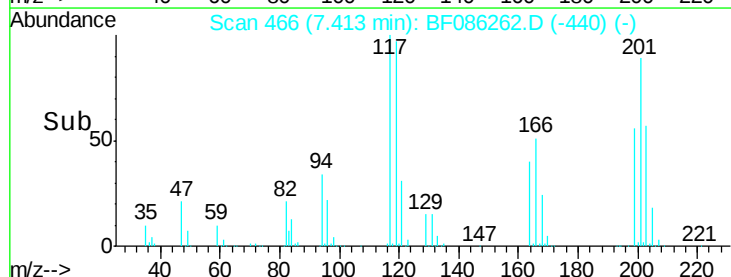


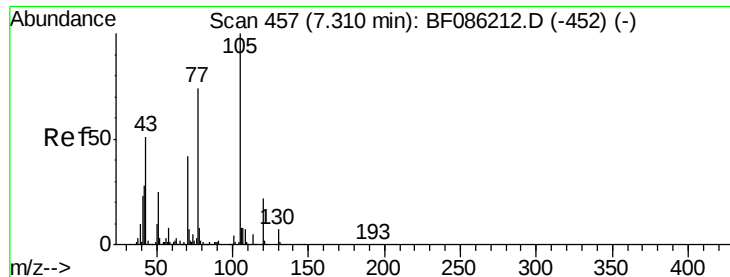
#18  
Hexachloroethane  
Concen: 42.86 ng  
RT: 7.41 min Scan# 466  
Delta R.T. -0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 314988 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.6  | 78.2  | 117.4  |
| 201      | 88.9  | 75.7  | 113.5  |



Abundance Ion 117.00 (116.70 to 117.70): E  
400000  
Ion 119.00 (118.70 to 119.70): E  
300000  
Ion 201.00 (200.70 to 201.70): E  
200000  
100000  
0

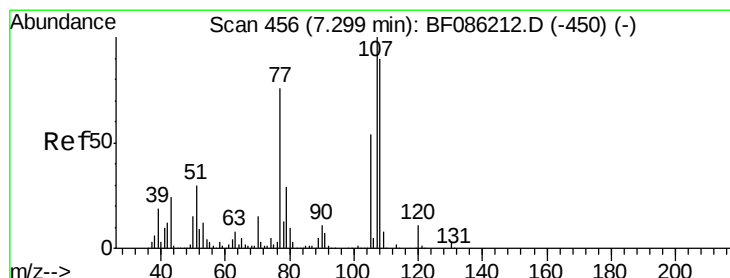
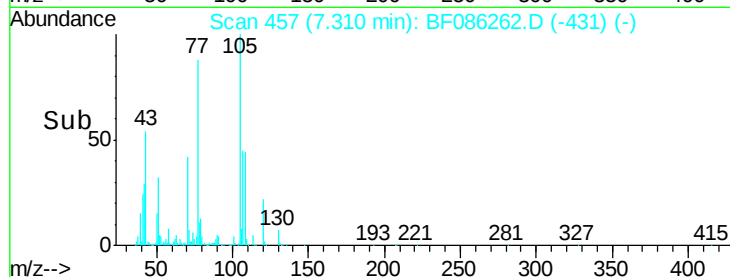
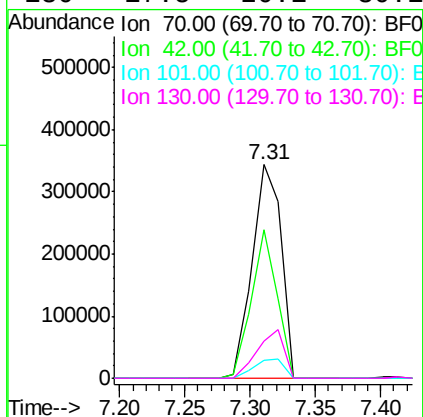
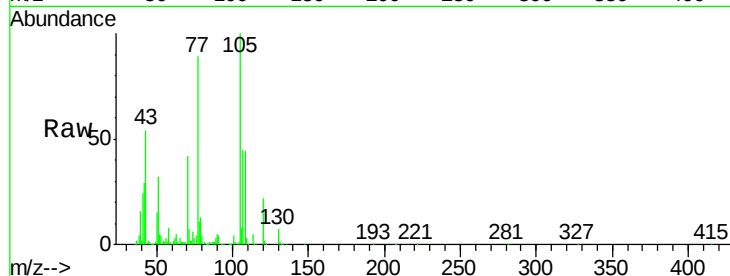




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.10 ng  
RT: 7.31 min Scan# 457  
Delta R.T. -0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

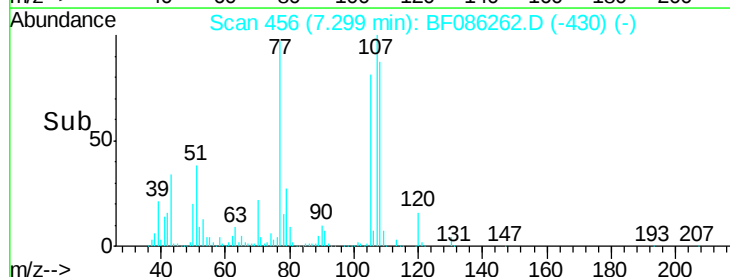
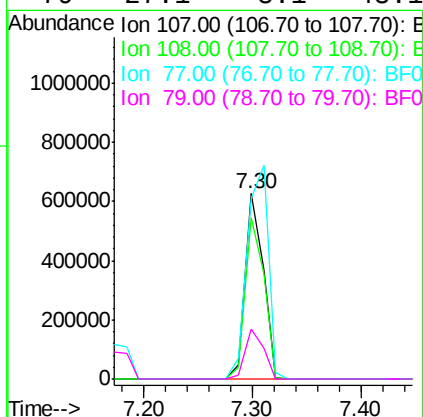
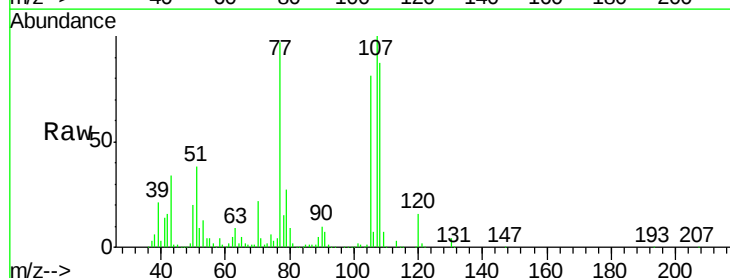
Instrument :  
BNA\_F  
ClientSampleId :  
CDMSH4MSD

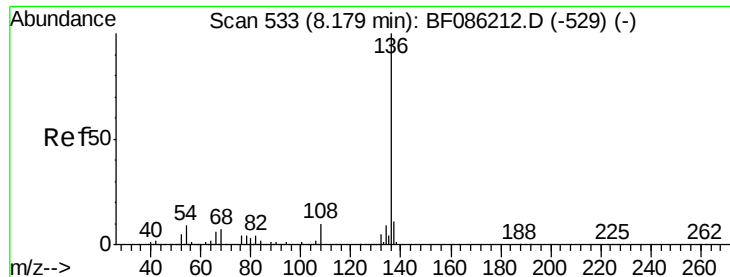
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 69.5  | 43.0  | 64.4# |
| 101     | 8.4   | 8.1   | 12.1  |
| 130     | 17.5  | 20.1  | 30.1# |



#20  
3+4-Methylphenols  
Concen: 39.95 ng  
RT: 7.30 min Scan# 456  
Delta R.T. 0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 87.0  | 69.7  | 109.7 |
| 77      | 97.2  | 60.5  | 100.5 |
| 79      | 27.1  | 8.1   | 48.1  |

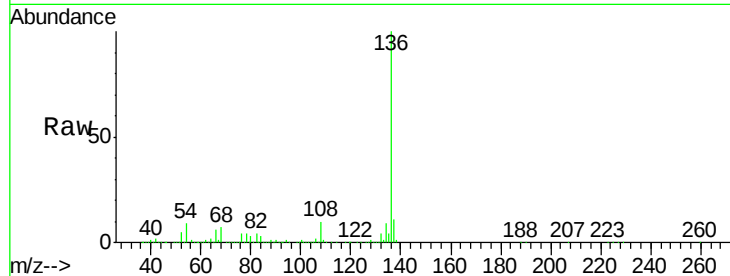




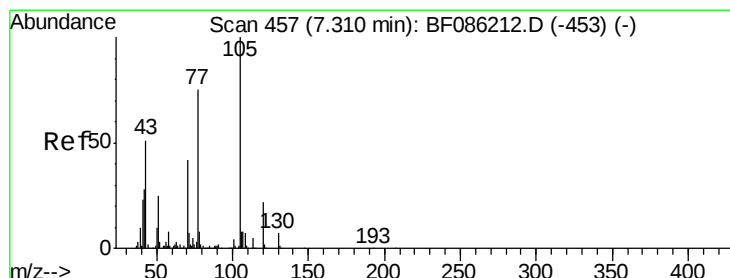
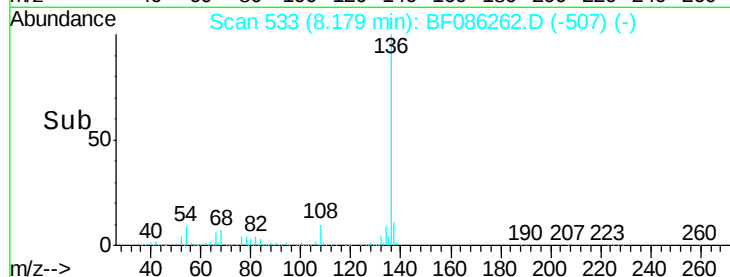
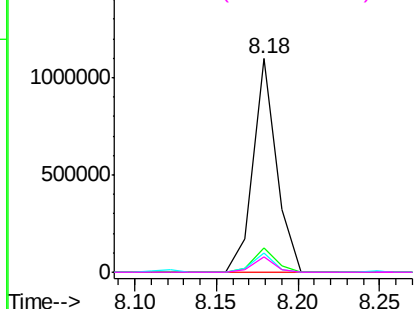
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.18 min Scan# 533  
Delta R.T. -0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

Instrument :  
BNA\_F  
ClientSampleId :  
CDMSH4MSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 136   | Resp: | 1094452 |
| Ion      | Ratio | Lower | Upper   |
| 136      | 100   |       |         |
| 137      | 11.5  | 9.1   | 13.7    |
| 54       | 9.0   | 7.3   | 10.9    |
| 68       | 7.3   | 5.7   | 8.5     |

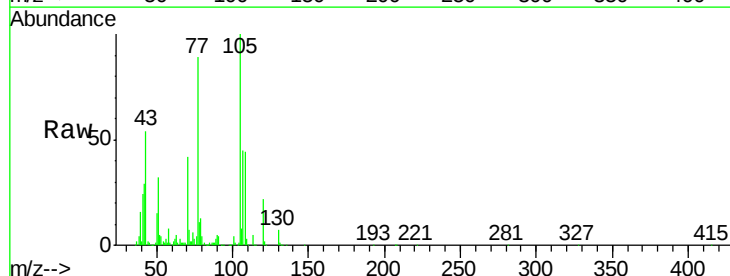


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

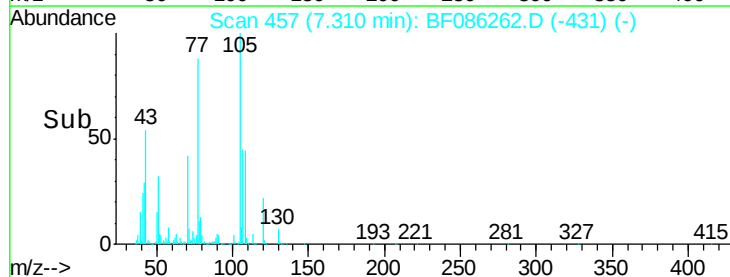
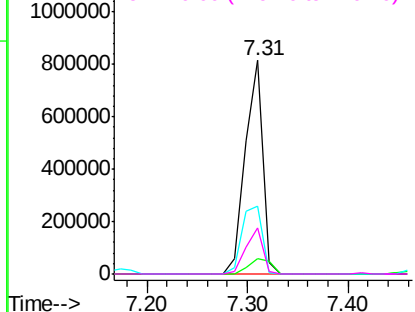


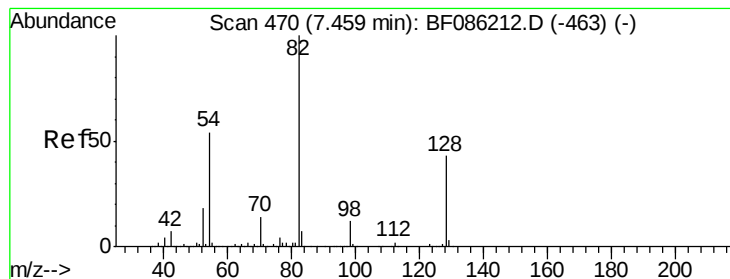
#22  
Acetophenone  
Concen: 48.93 ng  
RT: 7.31 min Scan# 457  
Delta R.T. 0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 980571 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 7.1   | 4.0   | 6.0#   |
| 51       | 31.8  | 22.0  | 33.0   |
| 120      | 21.5  | 17.5  | 26.3   |



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: 88.63 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

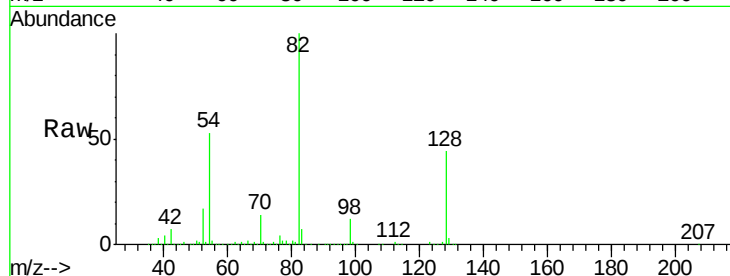
Tgt Ion: 82 Resp: 1681753

Ion Ratio Lower Upper

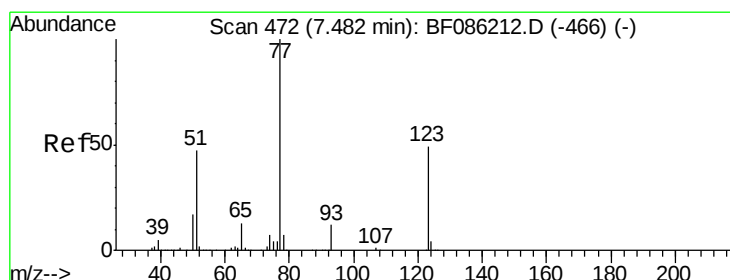
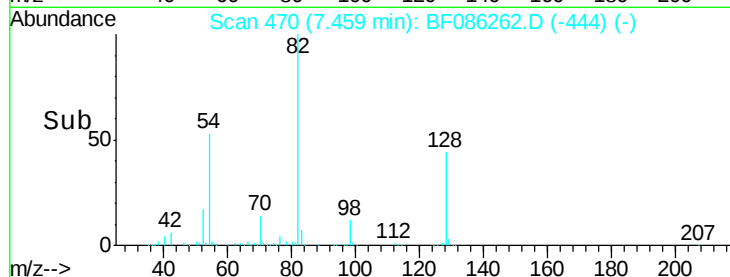
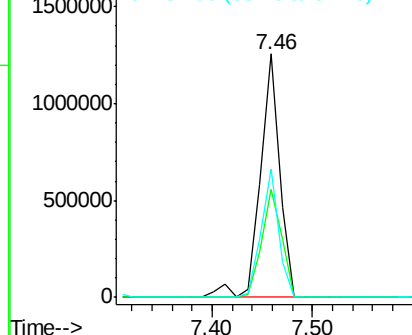
82 100

128 44.2 35.4 53.2

54 52.6 43.4 65.0



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 47.52 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

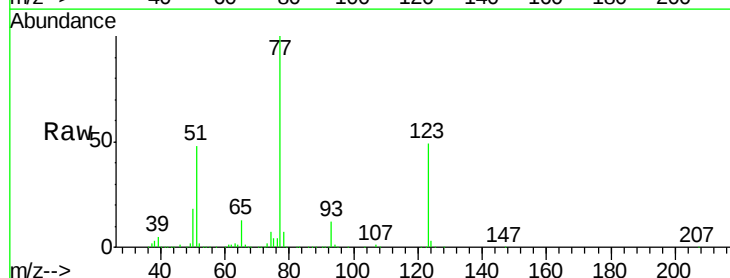
Tgt Ion: 77 Resp: 985998

Ion Ratio Lower Upper

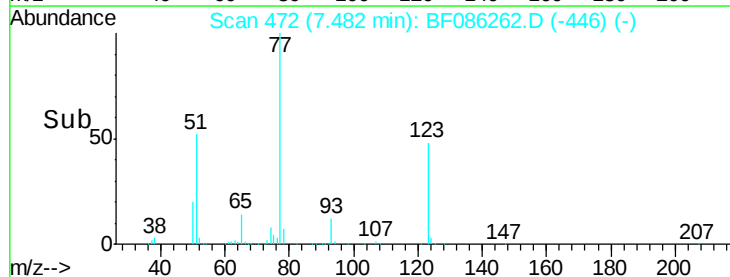
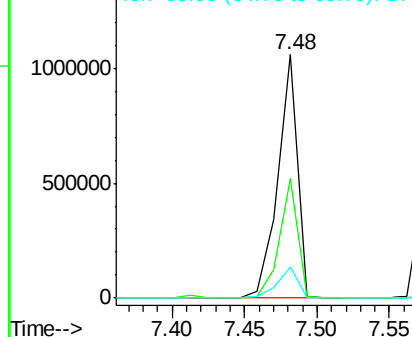
77 100

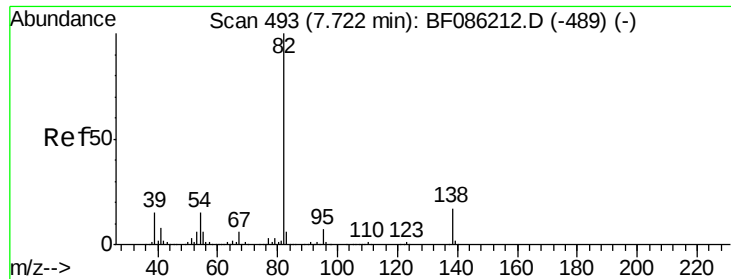
123 48.8 38.3 57.5

65 12.9 11.3 16.9



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 123.00 (122.70 to 123.70): B  
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 44.74 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

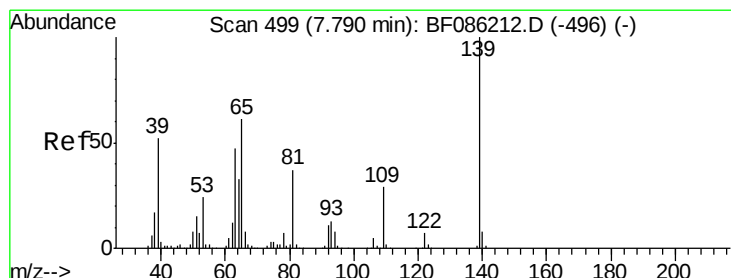
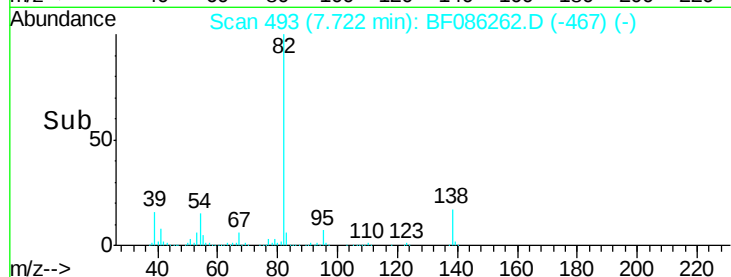
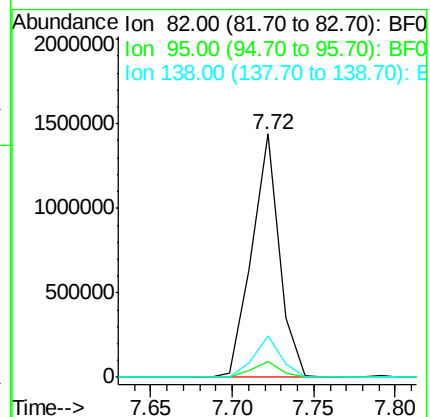
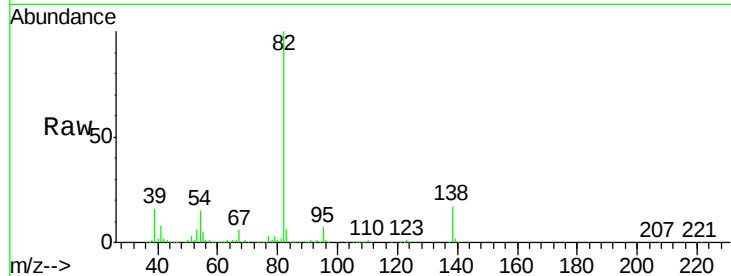
Tgt Ion: 82 Resp: 1684760

Ion Ratio Lower Upper

82 100

95 6.5 5.4 8.2

138 17.1 13.4 20.2



#26

2-Nitrophenol

Concen: 50.94 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

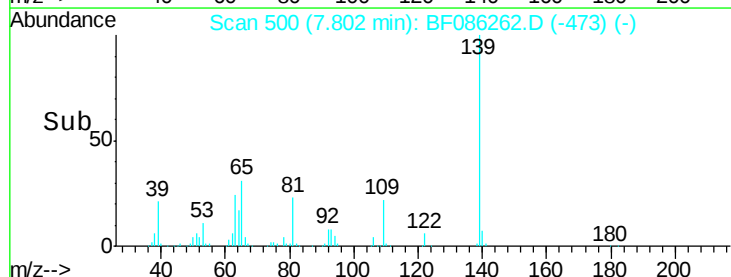
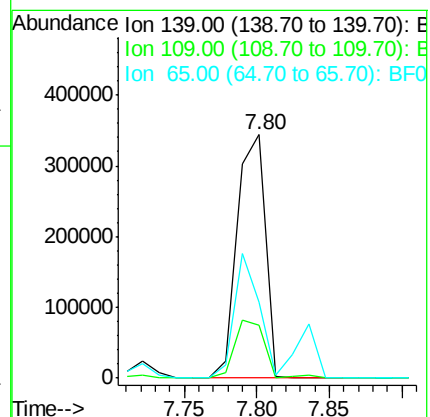
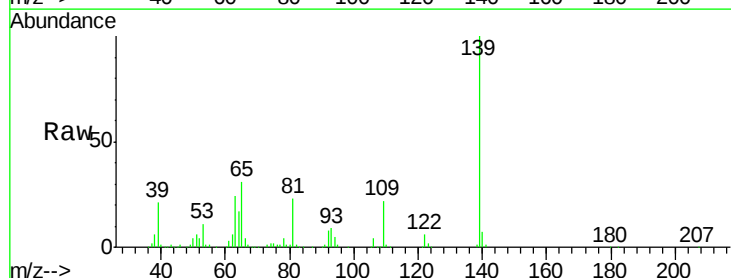
Tgt Ion: 139 Resp: 460830

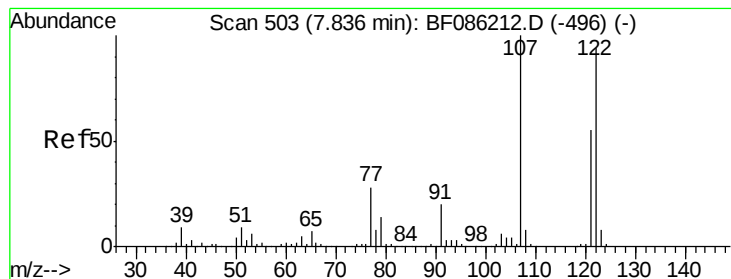
Ion Ratio Lower Upper

139 100

109 21.9 25.8 38.8#

65 31.3 50.2 75.2#





#27

2,4-Dimethylphenol

Concen: 44.10 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampled :

CDMSH4MSD

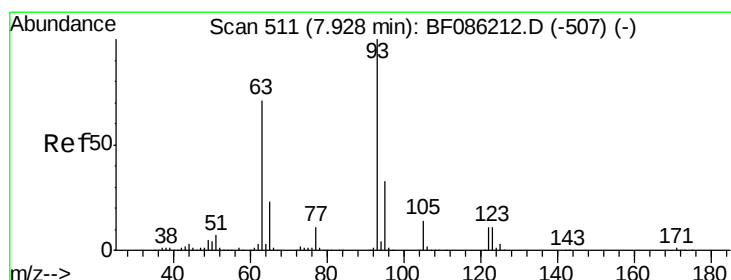
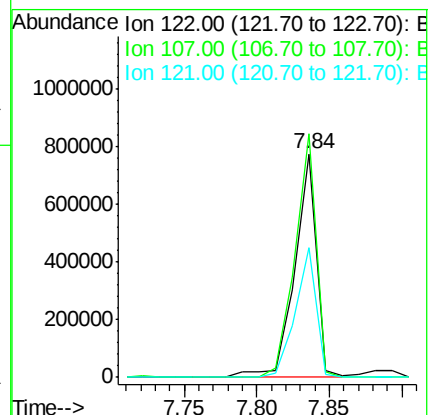
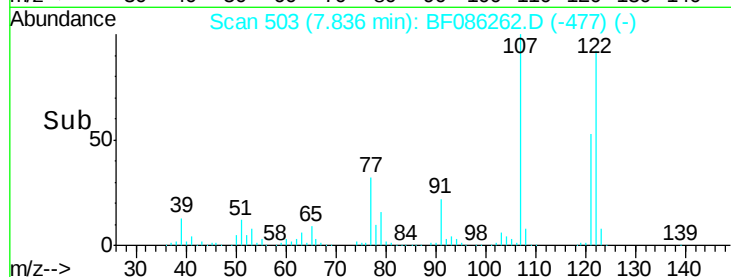
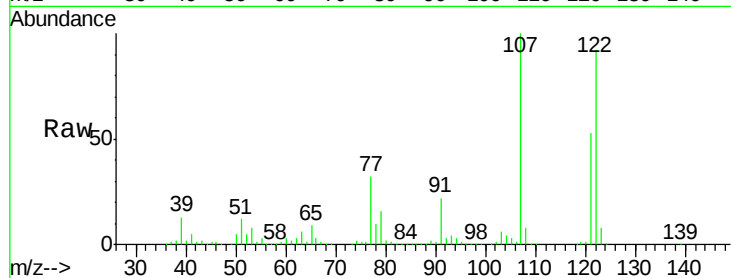
Tgt Ion:122 Resp: 805662

Ion Ratio Lower Upper

122 100

107 108.9 85.8 128.6

121 58.1 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 46.71 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

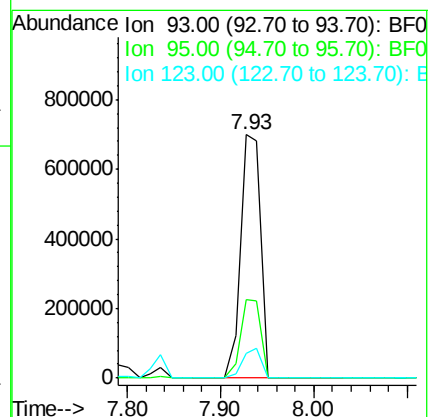
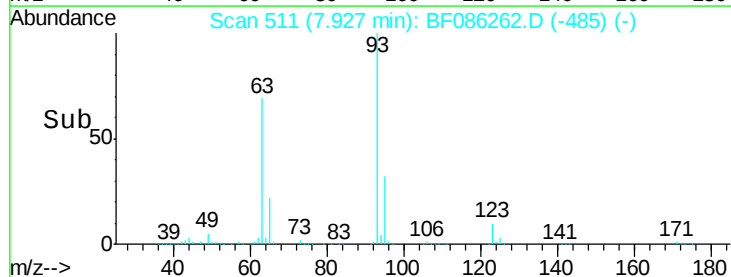
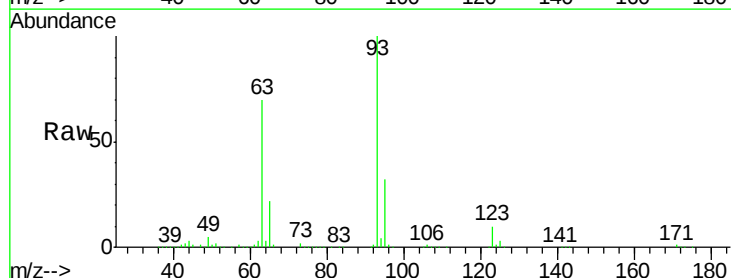
Tgt Ion: 93 Resp: 1033998

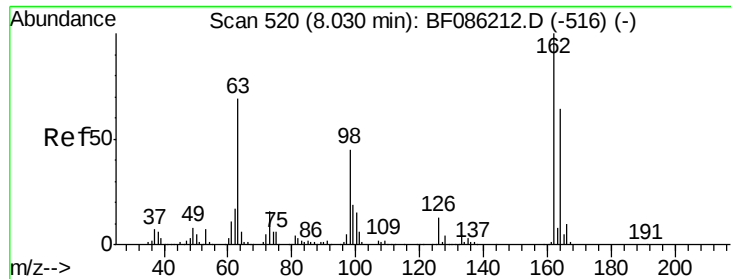
Ion Ratio Lower Upper

93 100

95 32.1 25.8 38.8

123 10.1 8.9 13.3

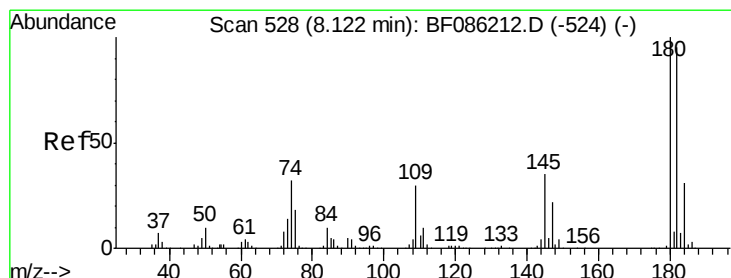
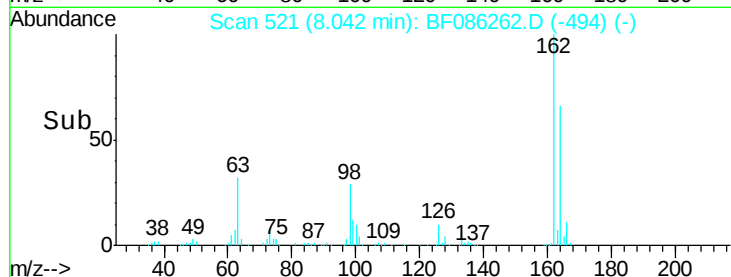
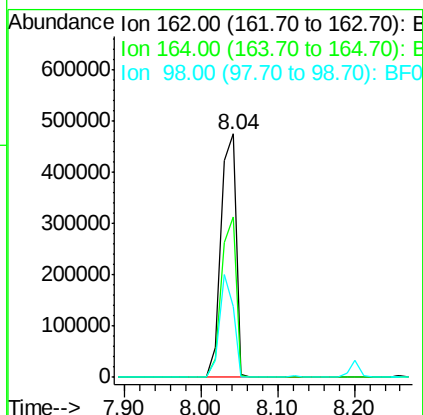
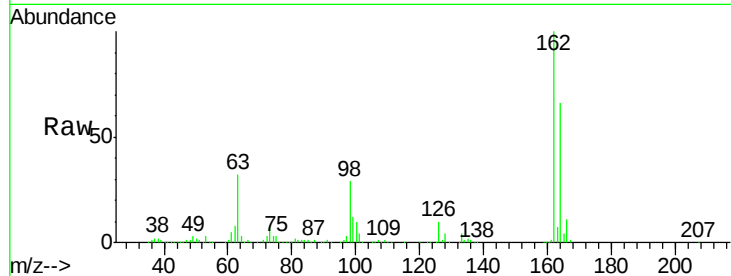




#29  
 2,4-Dichlorophenol  
 Concen: 47.80 ng  
 RT: 8.04 min Scan# 521  
 Delta R.T. 0.01 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

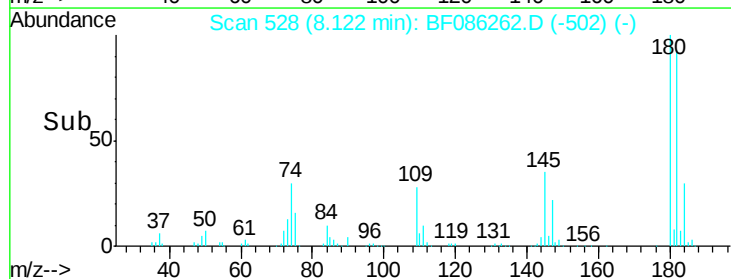
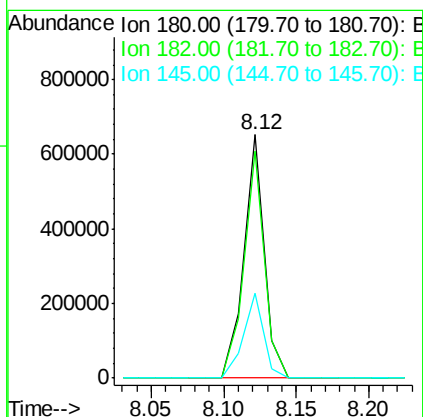
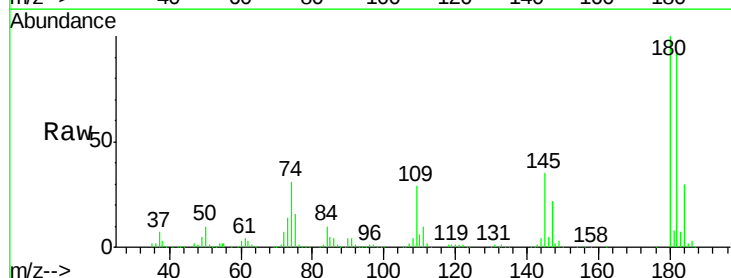
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSH4MSD

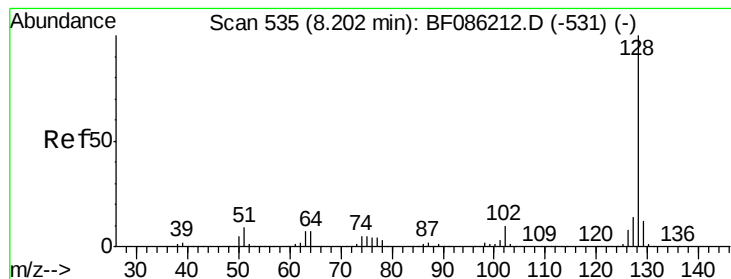
Tgt Ion:162 Resp: 663893  
 Ion Ratio Lower Upper  
 162 100  
 164 65.9 43.3 83.3  
 98 29.3 22.9 62.9



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.84 ng  
 RT: 8.12 min Scan# 528  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Tgt Ion:180 Resp: 637183  
 Ion Ratio Lower Upper  
 180 100  
 182 93.3 76.3 114.5  
 145 34.7 27.4 41.2





#31

Naphthalene

Concen: 43.18 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

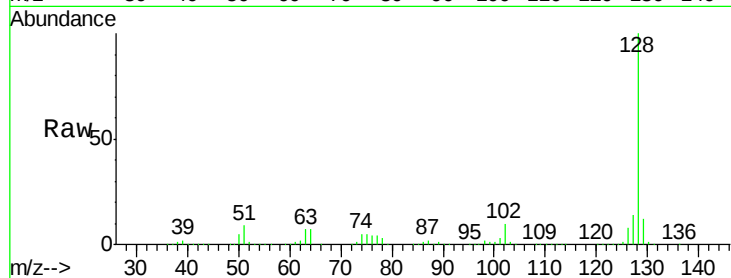
Tgt Ion:128 Resp: 2110542

Ion Ratio Lower Upper

128 100

129 12.0 9.6 14.4

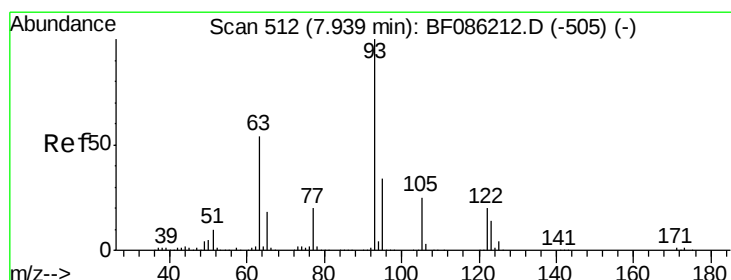
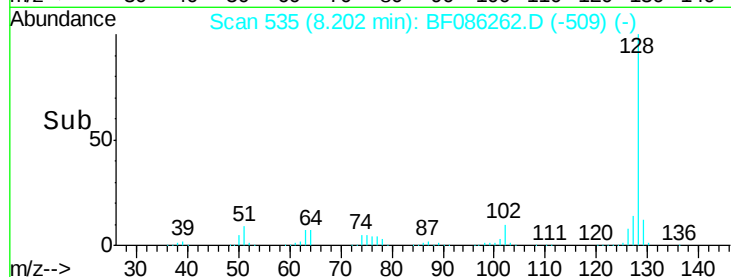
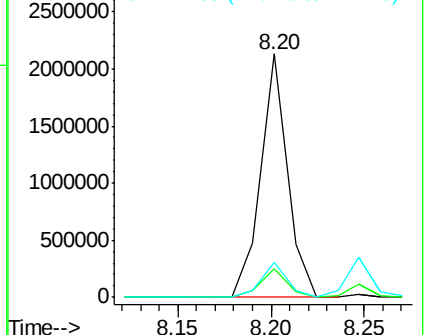
127 14.2 11.4 17.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.49 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.06 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

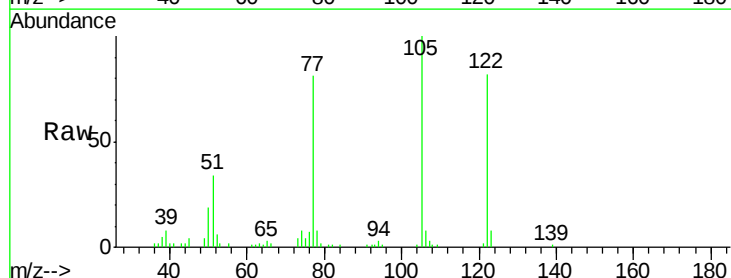
Tgt Ion:122 Resp: 40801

Ion Ratio Lower Upper

122 100

105 121.6 103.7 143.7

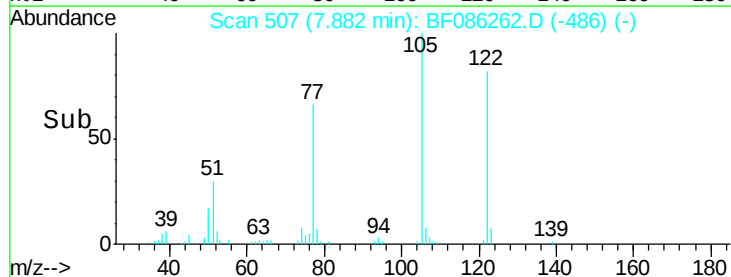
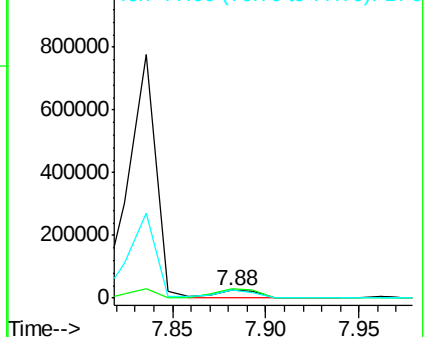
77 98.5 74.9 114.9

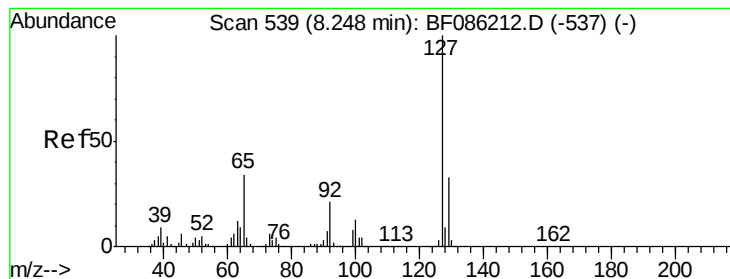


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 14.99 ng

RT: 8.25 min Scan# 539

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

Tgt Ion:127 Resp: 327444

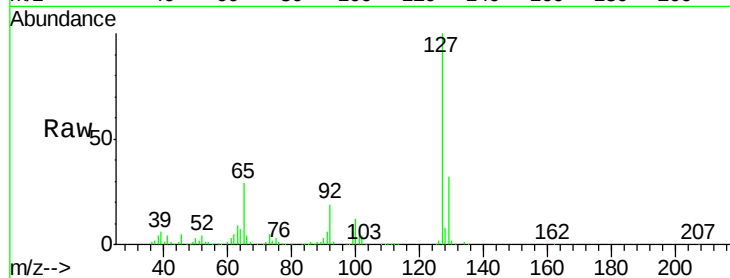
Ion Ratio Lower Upper

127 100

129 31.6 26.8 40.2

65 29.2 27.1 40.7

92 18.8 16.2 24.2

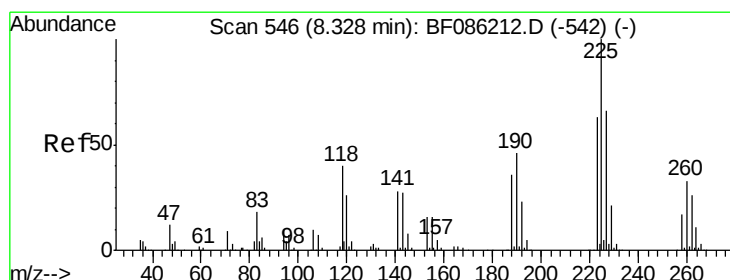
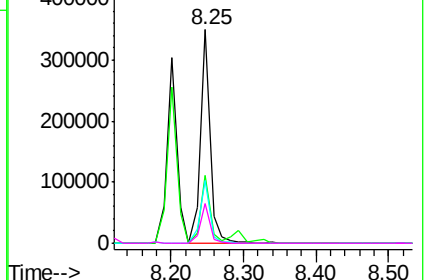
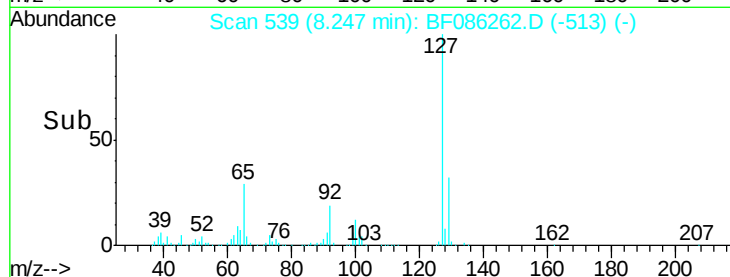


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 45.13 ng

RT: 8.33 min Scan# 546

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

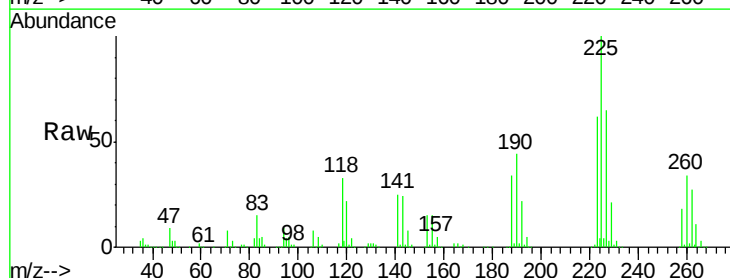
Tgt Ion:225 Resp: 328617

Ion Ratio Lower Upper

225 100

223 61.6 49.4 74.0

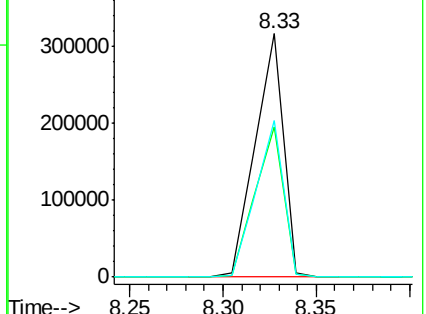
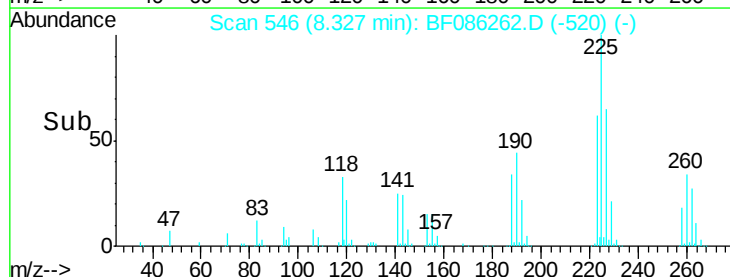
227 64.5 51.1 76.7

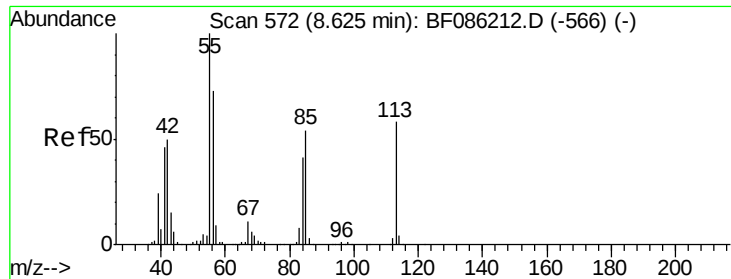


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

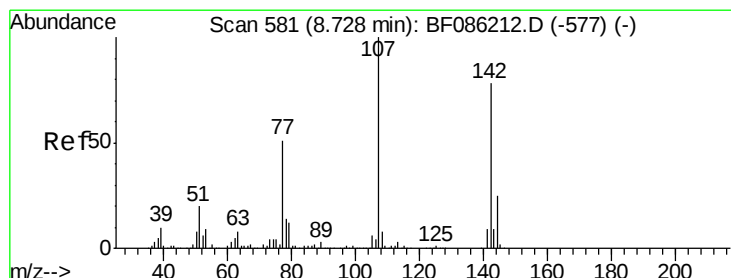
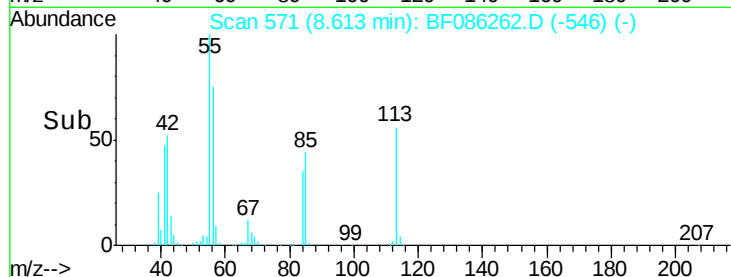
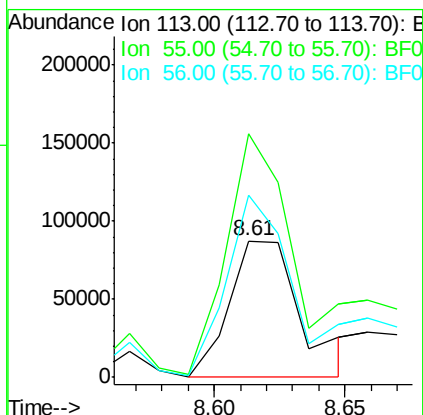
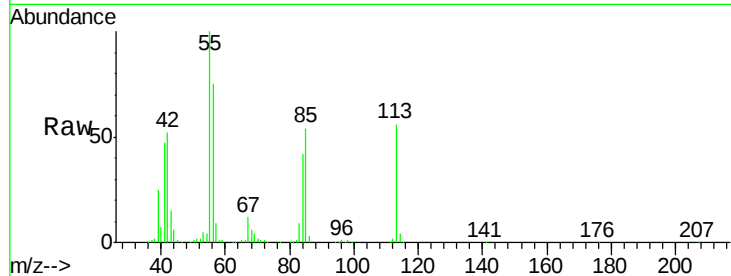




#35  
 Caprolactam  
 Concen: 33.00 ng  
 RT: 8.61 min Scan# 571  
 Delta R.T. -0.01 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

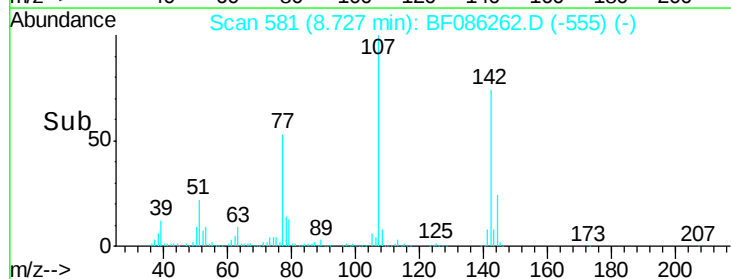
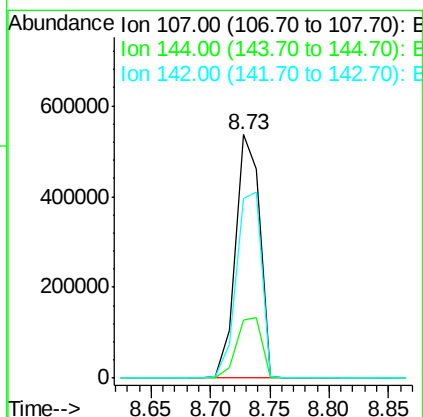
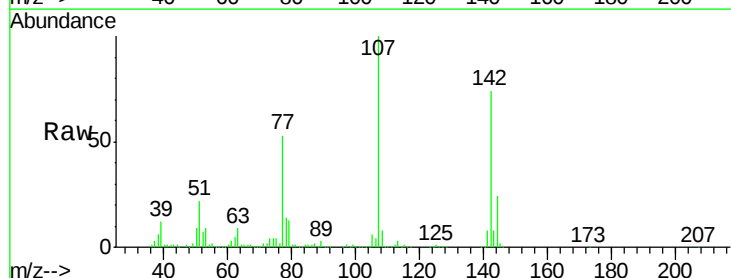
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSH4MSD

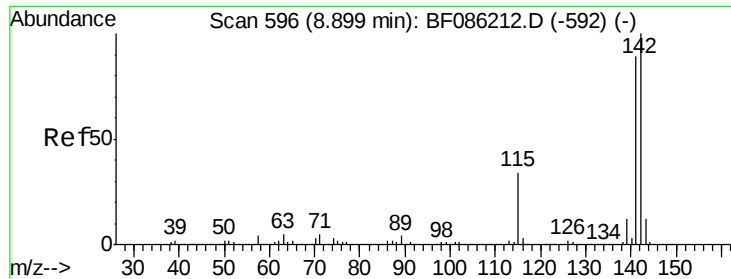
Tgt Ion:113 Resp: 165915  
 Ion Ratio Lower Upper  
 113 100  
 55 178.4 117.5 157.5#  
 56 133.8 82.5 122.5#



#36  
 4-Chloro-3-methylphenol  
 Concen: 47.63 ng  
 RT: 8.73 min Scan# 581  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Tgt Ion:107 Resp: 766546  
 Ion Ratio Lower Upper  
 107 100  
 144 23.6 20.7 31.1  
 142 73.6 64.5 96.7

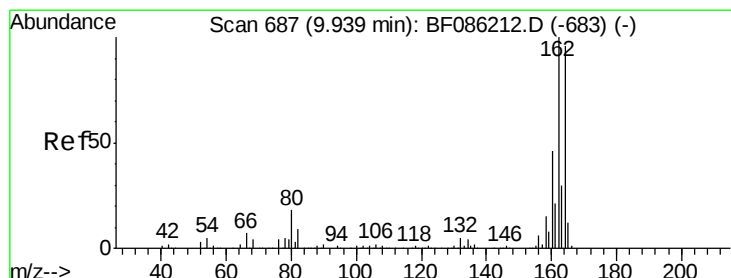
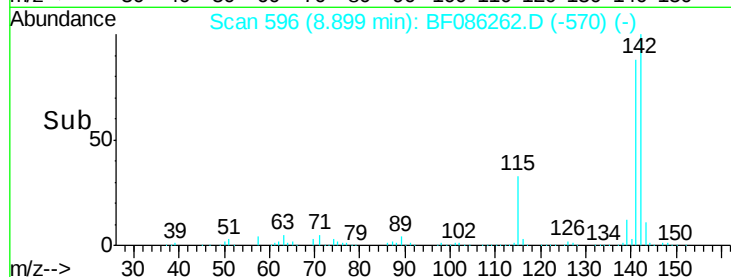
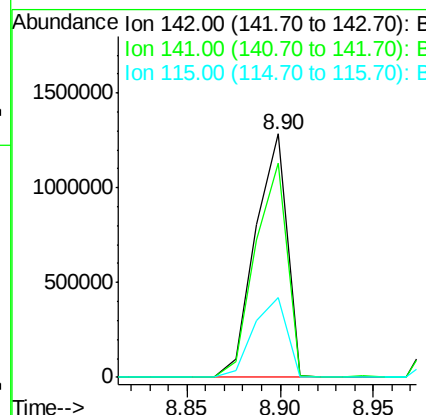
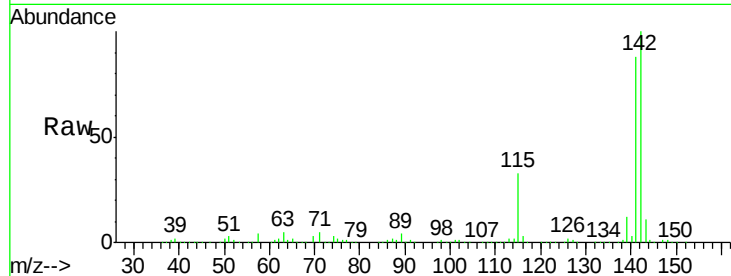




#37  
 2-Methylnaphthalene  
 Concen: 47.71 ng  
 RT: 8.90 min Scan# 596  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

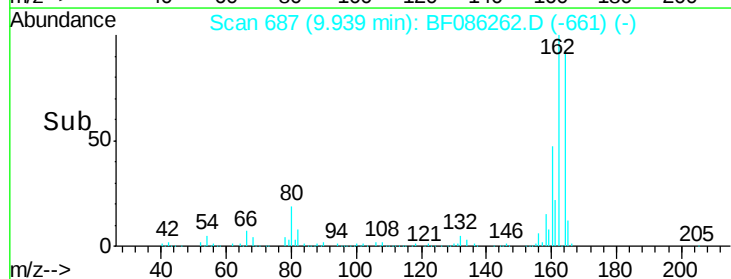
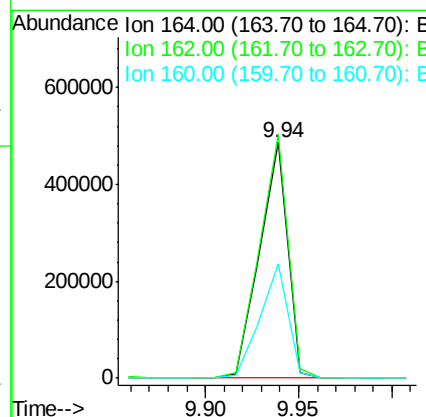
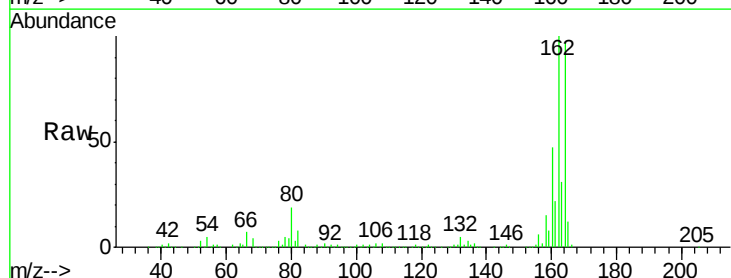
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSh4MSD

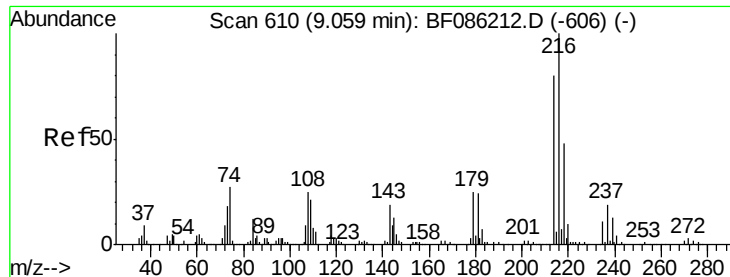
Tgt Ion:142 Resp: 1507572  
 Ion Ratio Lower Upper  
 142 100  
 141 88.1 71.1 106.7  
 115 33.0 25.1 37.7



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.94 min Scan# 687  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Tgt Ion:164 Resp: 504141  
 Ion Ratio Lower Upper  
 164 100  
 162 103.4 82.8 124.2  
 160 48.7 38.9 58.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.01 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

Tgt Ion:216 Resp: 453081

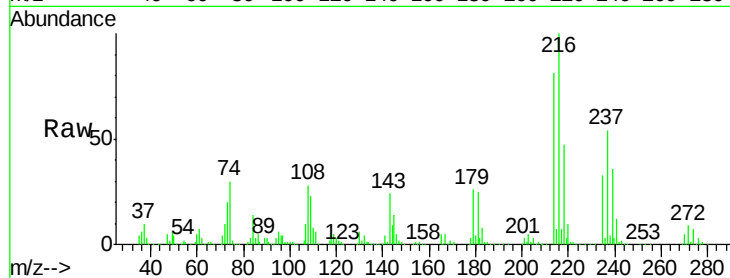
Ion Ratio Lower Upper

216 100

214 80.1 64.9 97.3

179 23.7 19.8 29.6

108 27.4 21.0 31.4

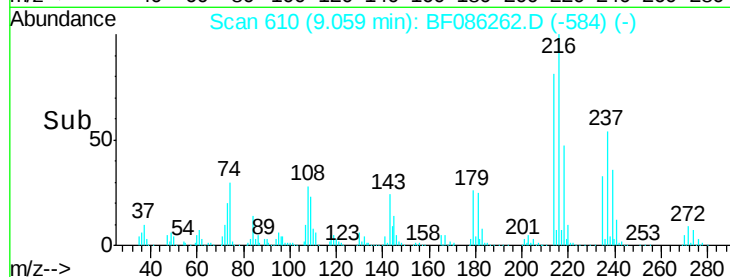


Abundance Ion 216.00 (215.70 to 216.70): E

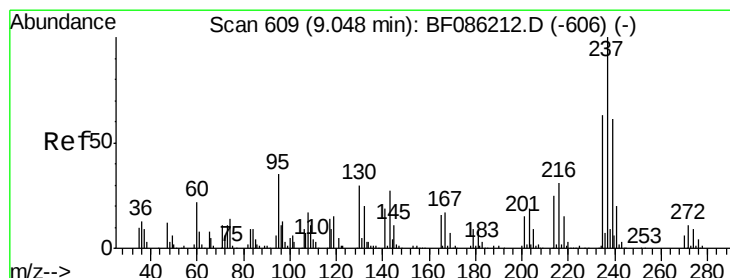
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 80.93 ng

RT: 9.05 min Scan# 609

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

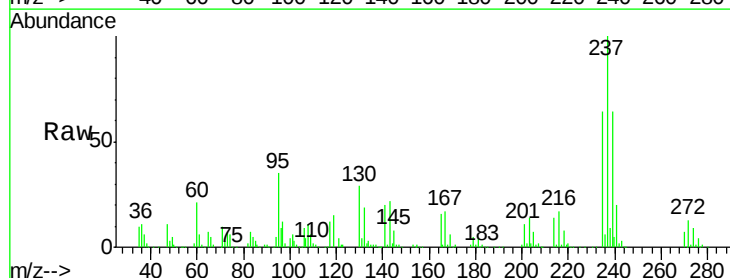
Tgt Ion:237 Resp: 480933

Ion Ratio Lower Upper

237 100

235 63.5 44.0 84.0

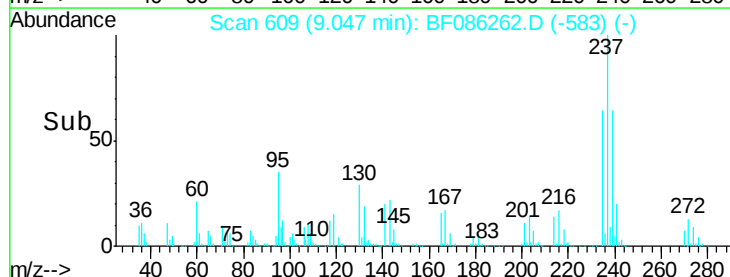
272 12.6 0.0 32.4



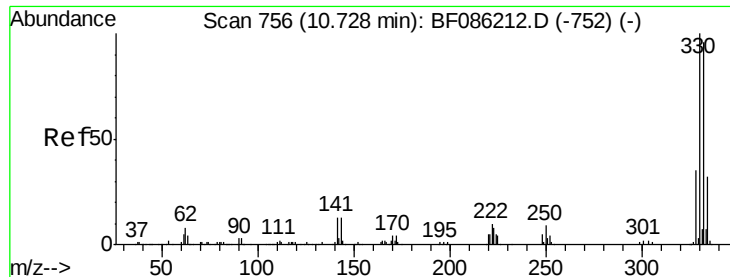
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



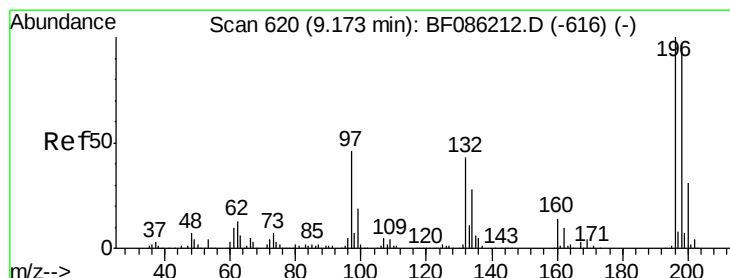
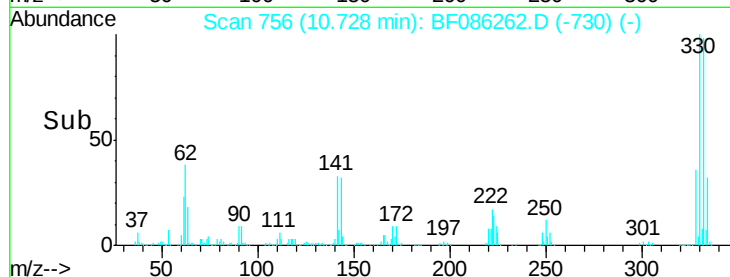
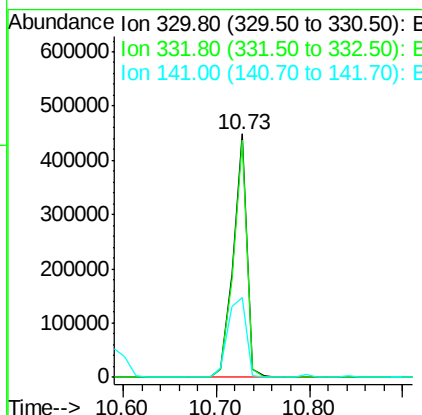
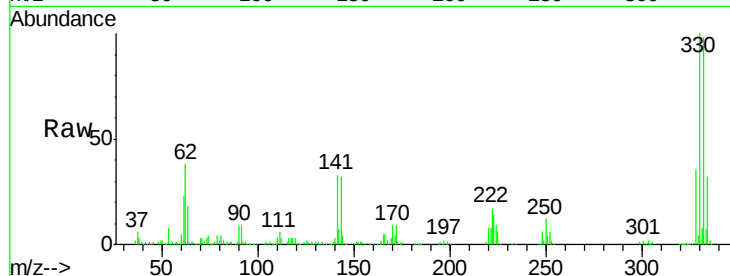
Time-->



#41  
 2,4,6-Tribromophenol  
 Concen: 114.19 ng  
 RT: 10.73 min Scan# 756  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

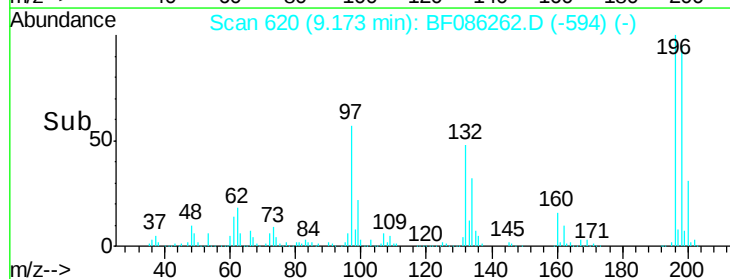
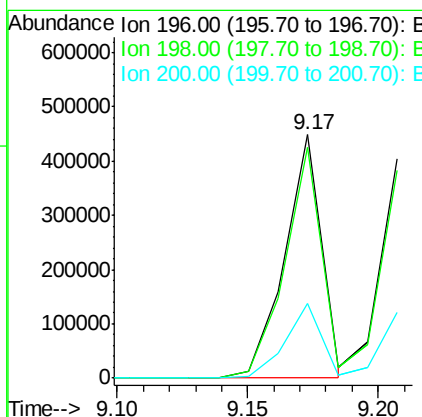
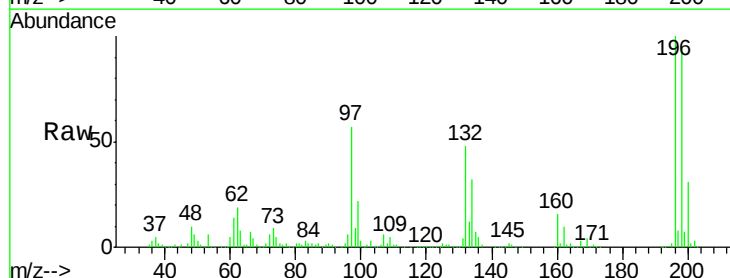
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSH4MSD

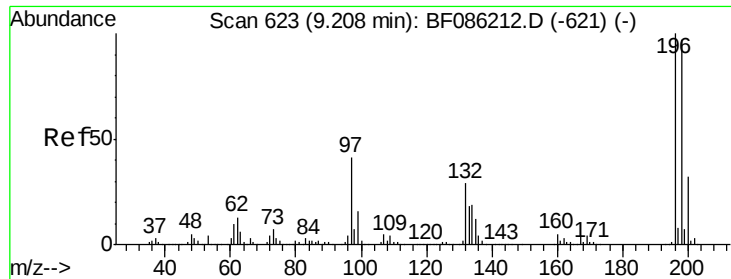
Tgt Ion:330 Resp: 462283  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 78.7 118.1  
 141 44.5 28.6 42.8#



#42  
 2,4,6-Trichlorophenol  
 Concen: 44.21 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Tgt Ion:196 Resp: 439041  
 Ion Ratio Lower Upper  
 196 100  
 198 95.1 76.6 115.0  
 200 30.7 25.3 37.9

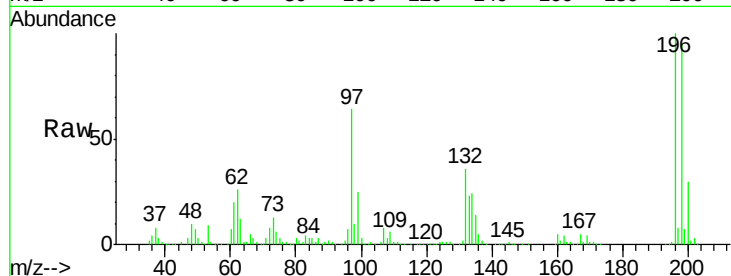




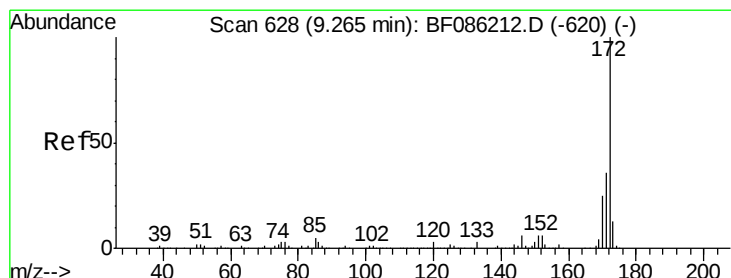
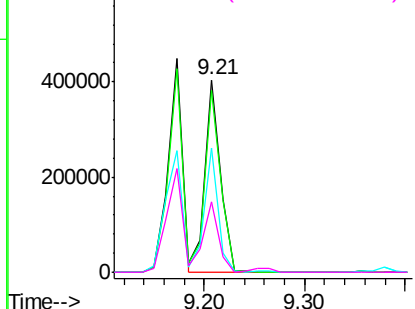
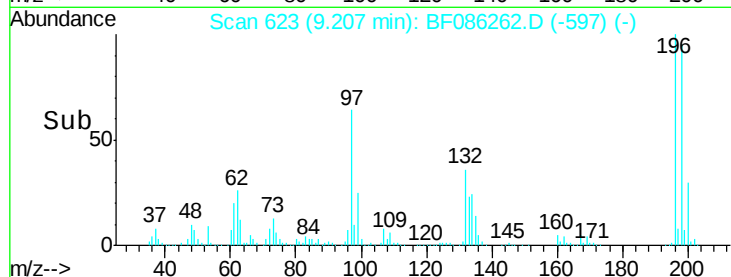
#43  
 2,4,5-Trichlorophenol  
 Concen: 45.06 ng  
 RT: 9.21 min Scan# 623  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSH4MSD

Tgt Ion:196 Resp: 432292  
 Ion Ratio Lower Upper  
 196 100  
 198 94.6 77.7 116.5  
 97 64.3 32.6 48.8#  
 132 36.4 21.4 32.0#

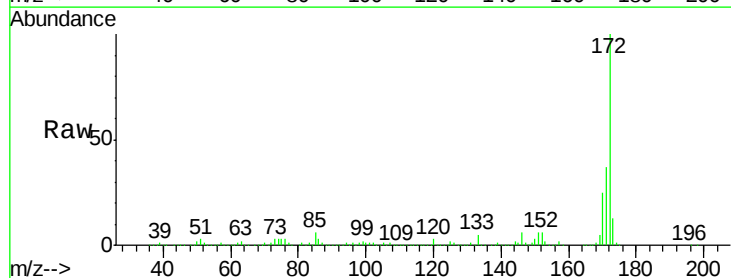


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

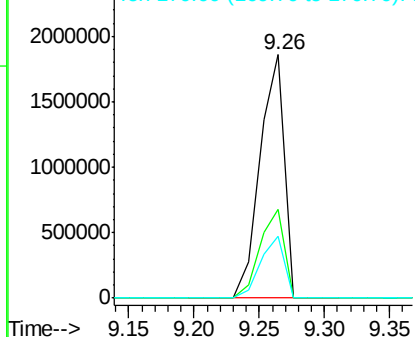
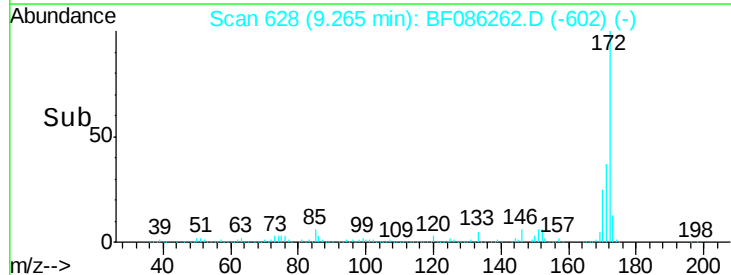


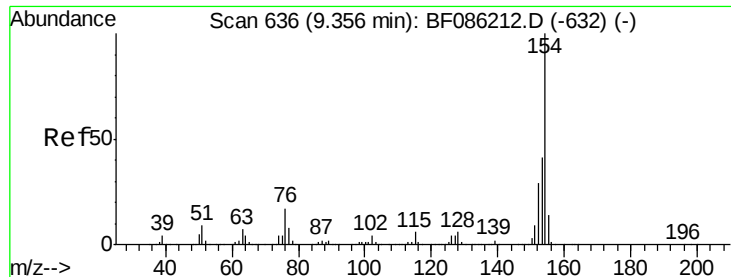
#44  
 2-Fluorobiphenyl  
 Concen: 88.18 ng  
 RT: 9.26 min Scan# 628  
 Delta R.T. 0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Tgt Ion:172 Resp: 2409224  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.1 43.7  
 170 25.1 19.9 29.9



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 41.41 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

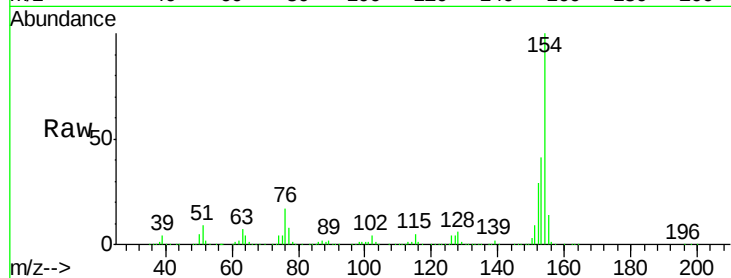
Tgt Ion:154 Resp: 1503017

Ion Ratio Lower Upper

154 100

153 41.4 21.3 61.3

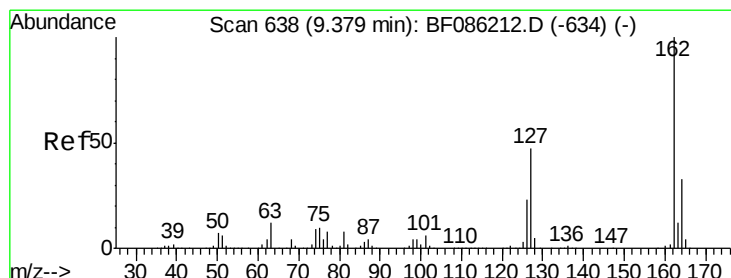
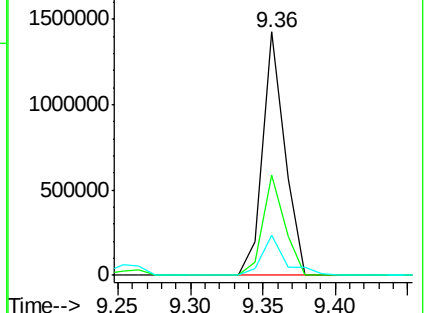
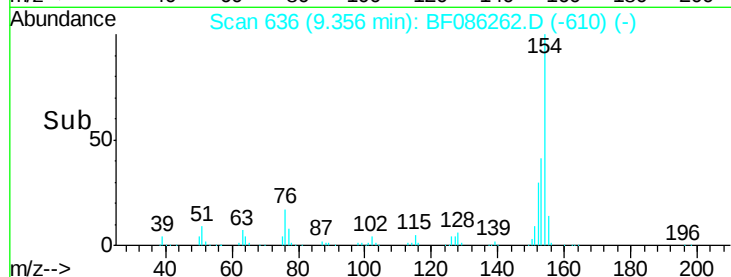
76 16.6 0.0 36.4



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: 42.31 ng

RT: 9.38 min Scan# 638

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

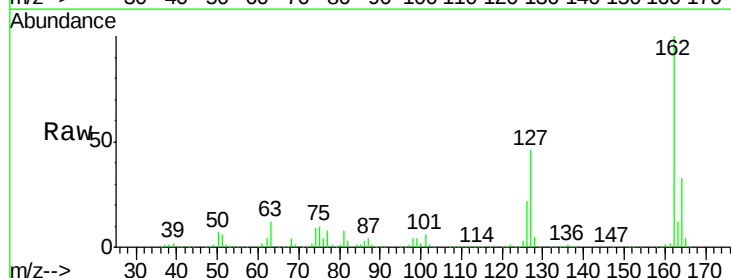
Tgt Ion:162 Resp: 1253629

Ion Ratio Lower Upper

162 100

127 46.4 36.7 55.1

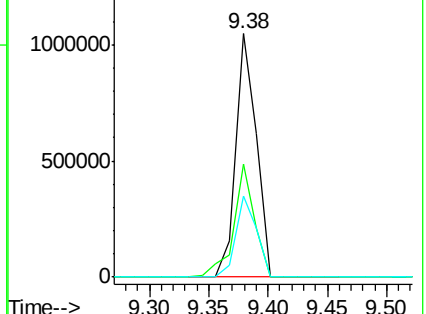
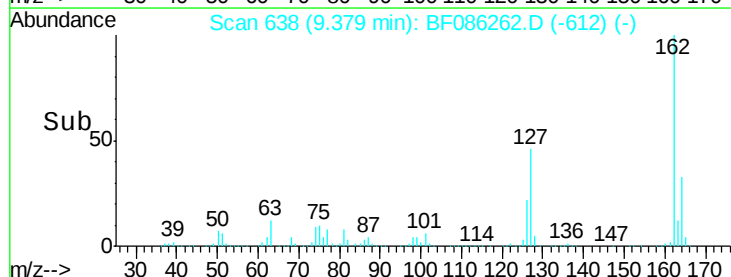
164 33.4 26.4 39.6

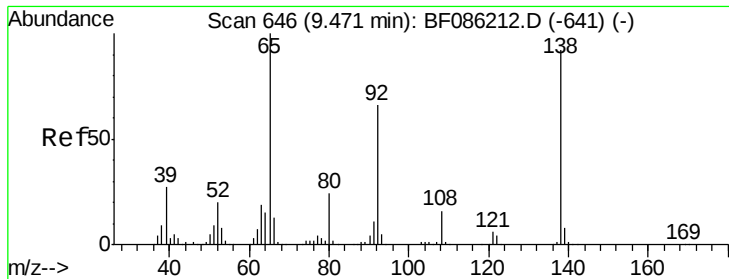


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

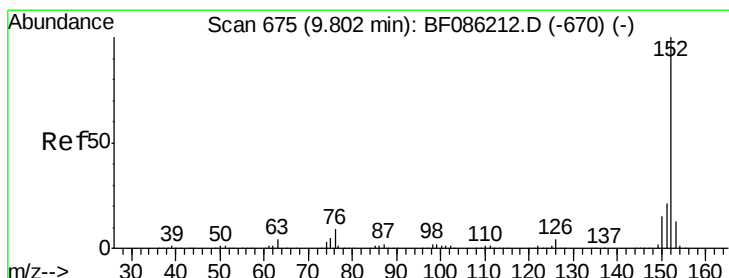
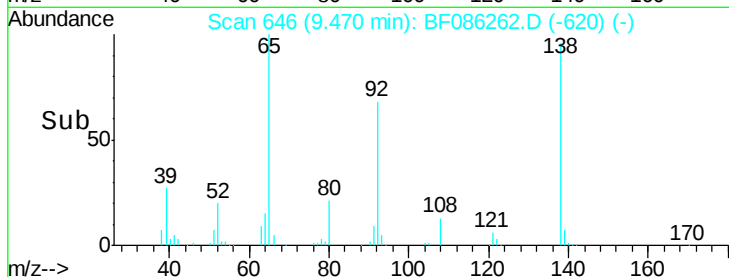
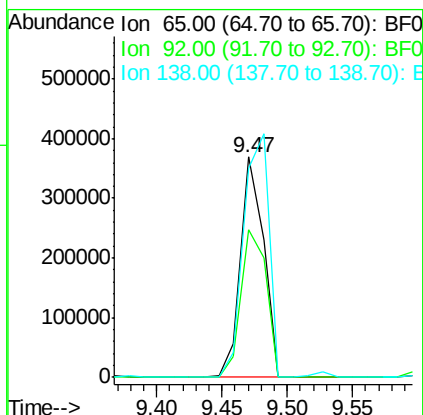
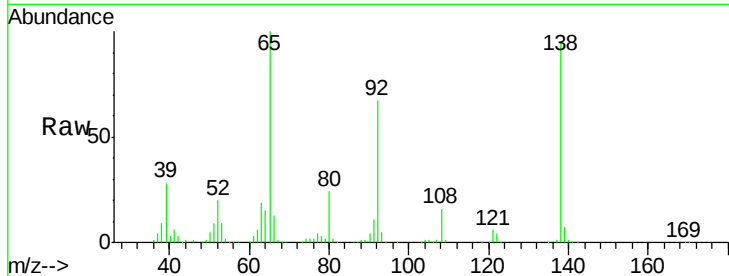




#47  
2-Nitroaniline  
Concen: 47.25 ng  
RT: 9.47 min Scan# 646  
Delta R.T. -0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

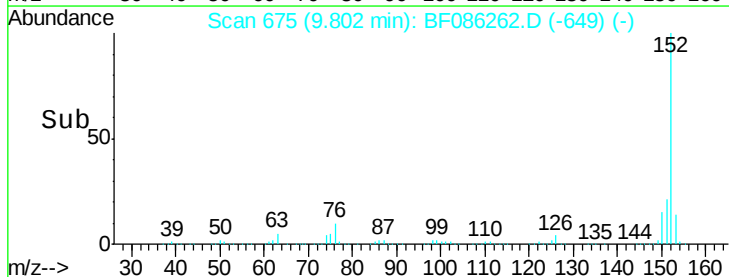
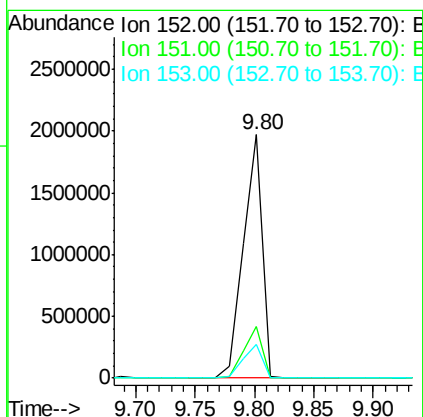
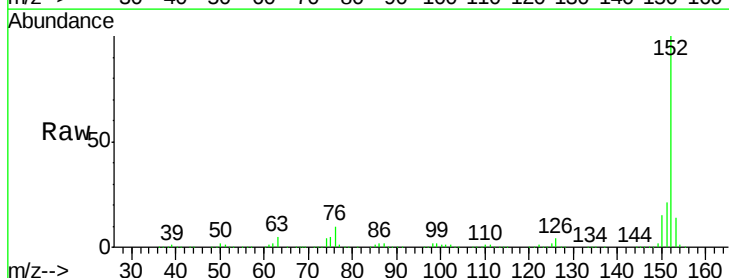
Instrument :  
BNA\_F  
ClientSampleId :  
CDMSH4MSD

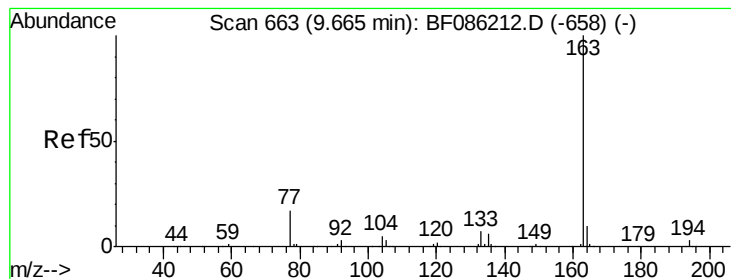
Tgt Ion: 65 Resp: 453567  
Ion Ratio Lower Upper  
65 100  
92 66.9 51.9 77.9  
138 94.8 72.6 108.8



#48  
Acenaphthylene  
Concen: 46.18 ng  
RT: 9.80 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

Tgt Ion: 152 Resp: 2177425  
Ion Ratio Lower Upper  
152 100  
151 21.3 17.2 25.8  
153 13.8 10.7 16.1





#49

Dimethylphthalate

Concen: 50.30 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

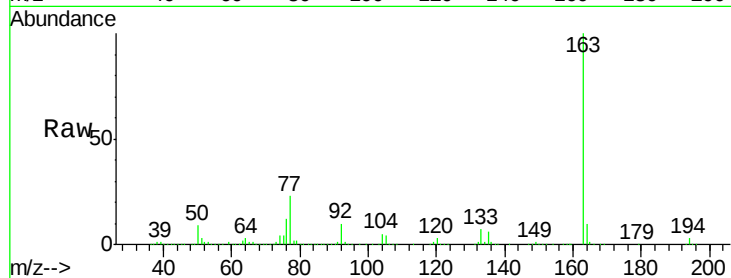
Tgt Ion:163 Resp: 1843732

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

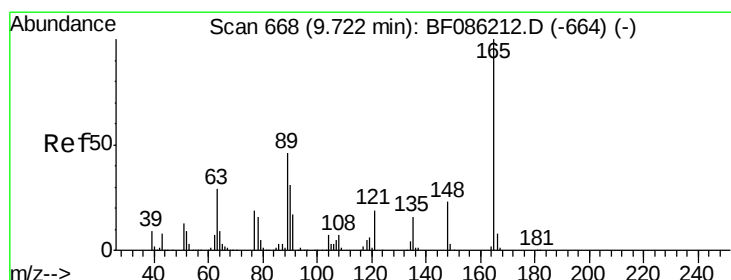
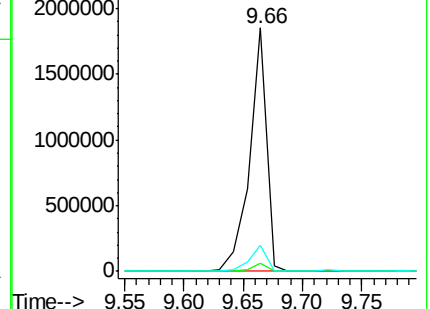
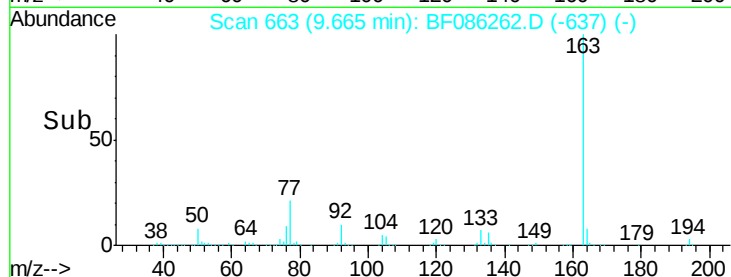
164 10.5 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 48.01 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

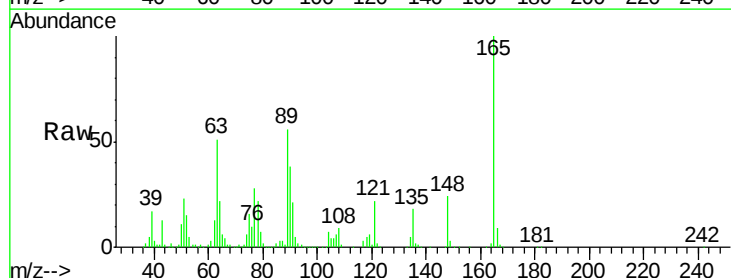
Tgt Ion:165 Resp: 389428

Ion Ratio Lower Upper

165 100

63 50.8 35.1 52.7

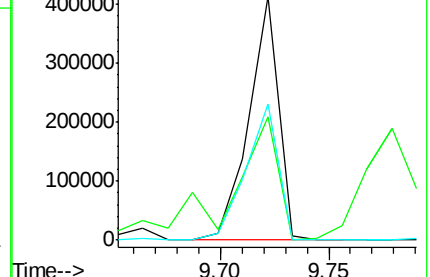
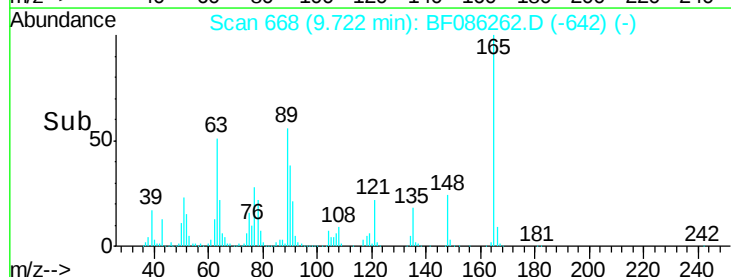
89 55.8 39.8 59.6

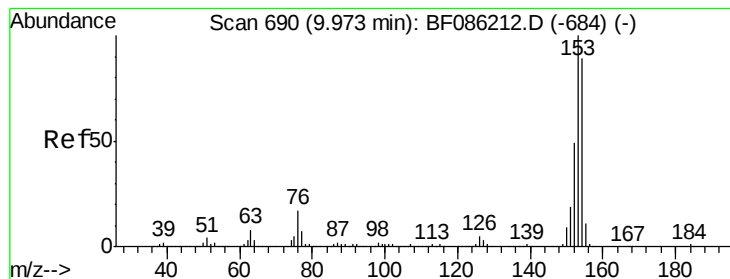


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 47.57 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

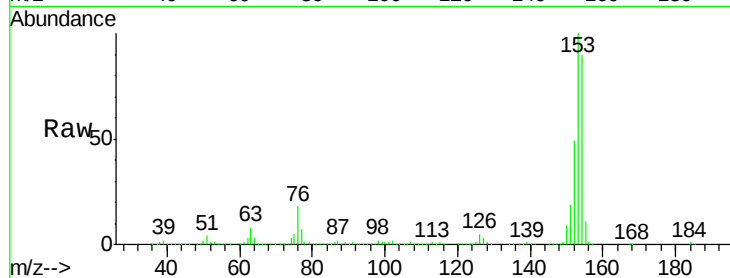
Tgt Ion:154 Resp: 1339766

Ion Ratio Lower Upper

154 100

153 111.7 90.0 135.0

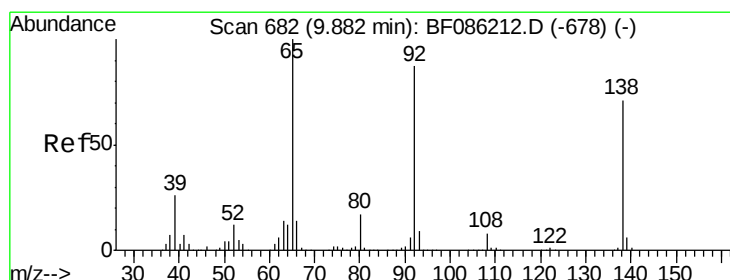
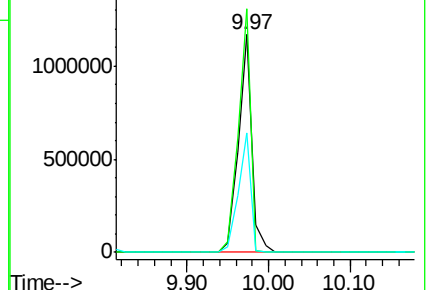
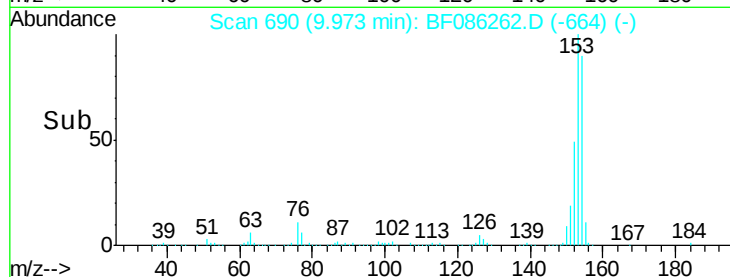
152 55.1 44.3 66.5



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: 25.56 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

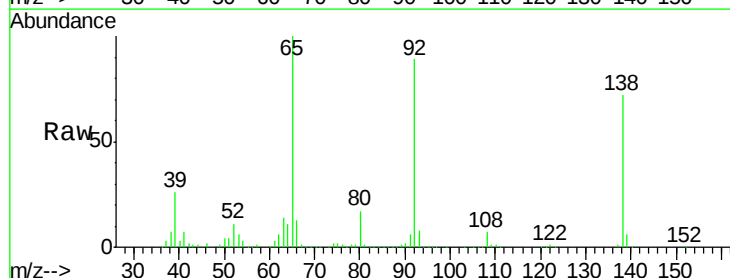
Tgt Ion:138 Resp: 251901

Ion Ratio Lower Upper

138 100

108 10.4 9.0 13.4

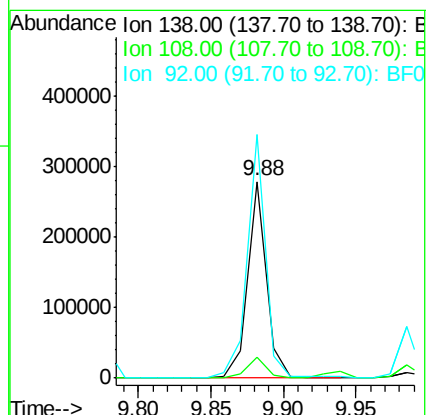
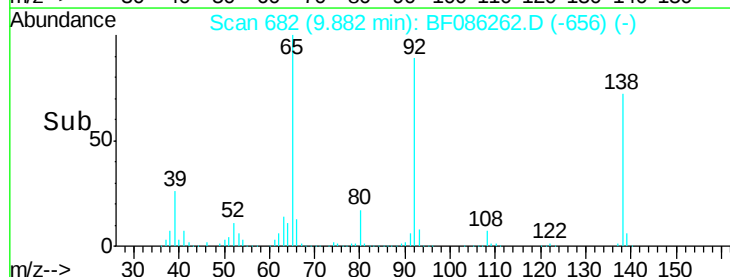
92 124.0 99.3 148.9

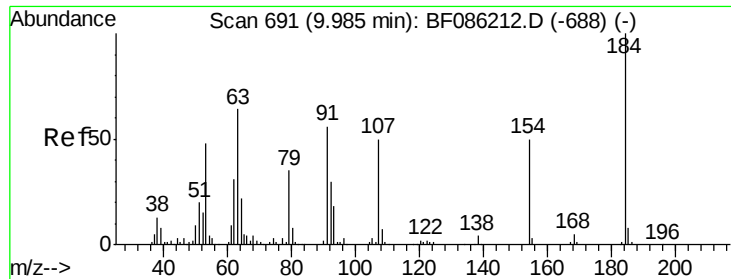


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

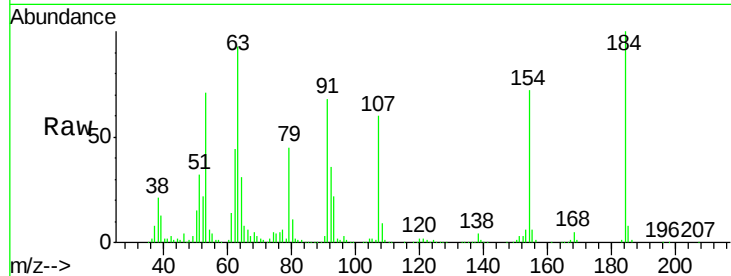




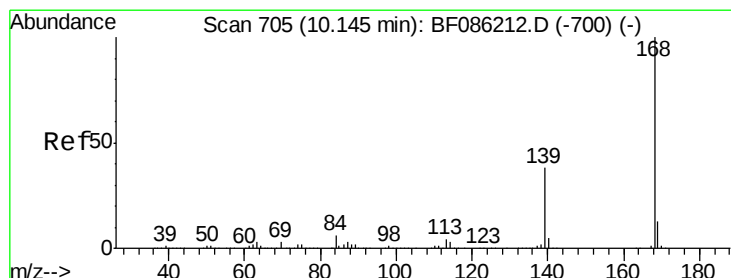
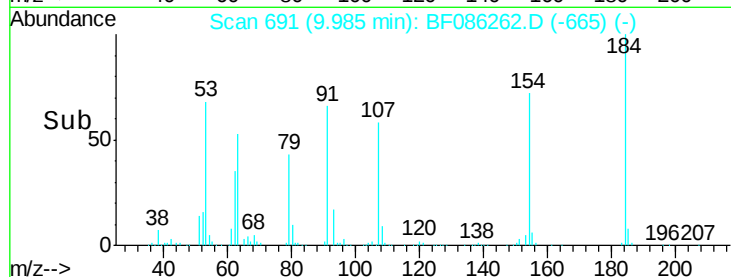
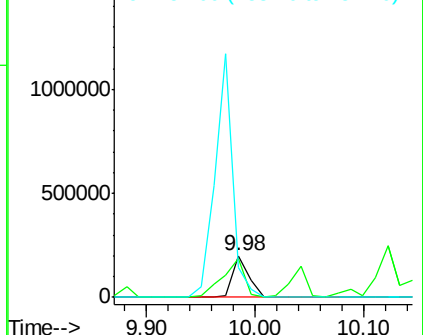
#53  
2,4-Dinitrophenol  
Concen: 69.03 ng  
RT: 9.98 min Scan# 691  
Delta R.T. 0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

Instrument :  
BNA\_F  
ClientSampleId :  
CDMSH4MSD

Tgt Ion:184 Resp: 205399  
Ion Ratio Lower Upper  
184 100  
63 93.1 64.7 97.1  
154 71.8 59.4 89.2

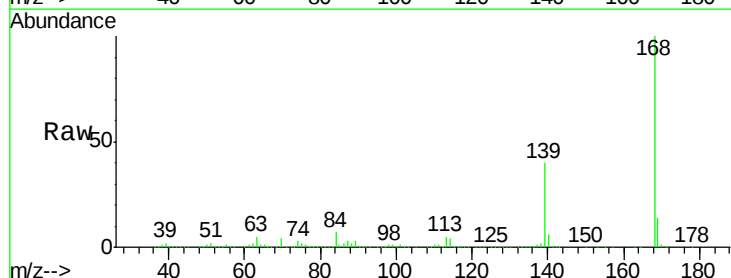


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

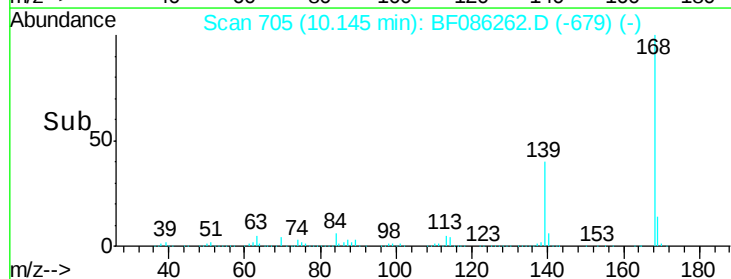
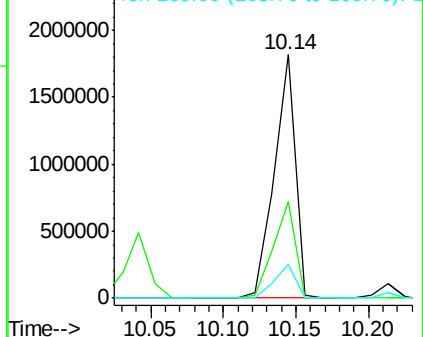


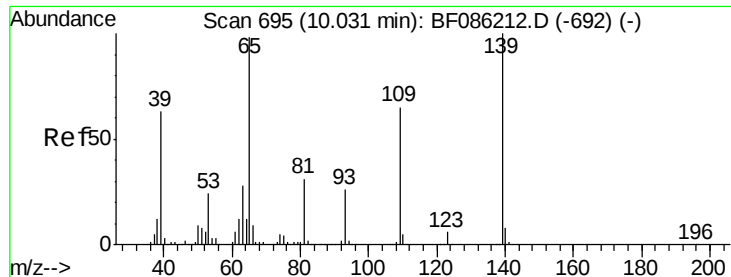
#54  
Dibenzofuran  
Concen: 49.20 ng  
RT: 10.14 min Scan# 705  
Delta R.T. 0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

Tgt Ion:168 Resp: 1830182  
Ion Ratio Lower Upper  
168 100  
139 39.6 29.5 44.3  
169 13.7 10.6 16.0



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: 73.73 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

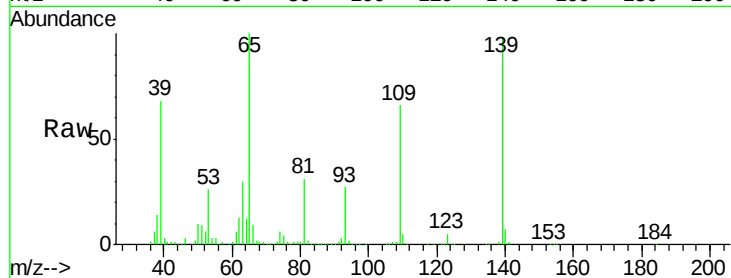
Tgt Ion:139 Resp: 568475

Ion Ratio Lower Upper

139 100

109 66.9 55.0 95.0

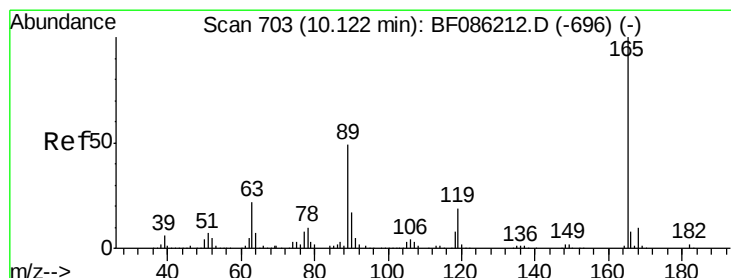
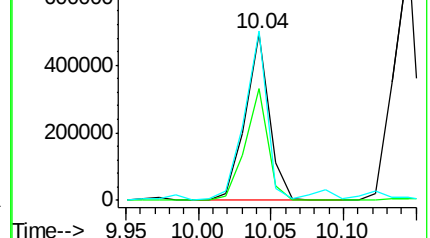
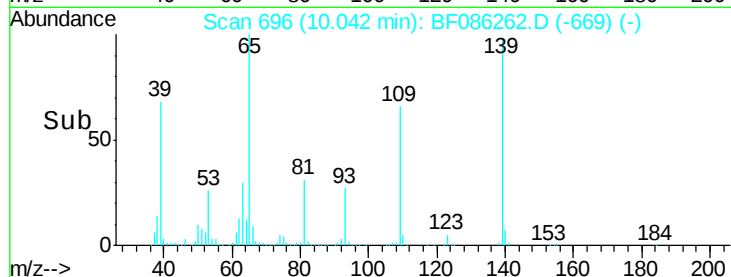
65 101.7 87.3 127.3



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 48.60 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion:165 Resp: 504635

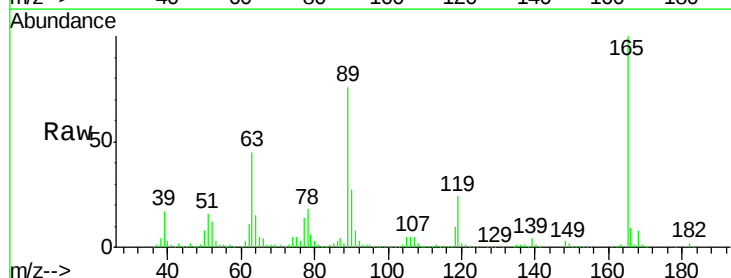
Ion Ratio Lower Upper

165 100

63 44.6 26.6 40.0#

89 75.8 49.5 74.3#

182 2.2 1.9 2.9

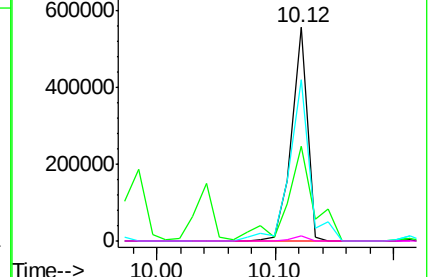
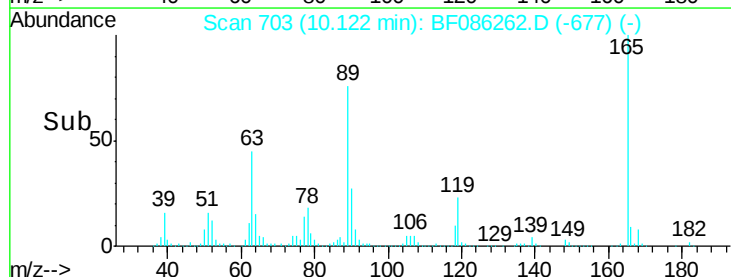


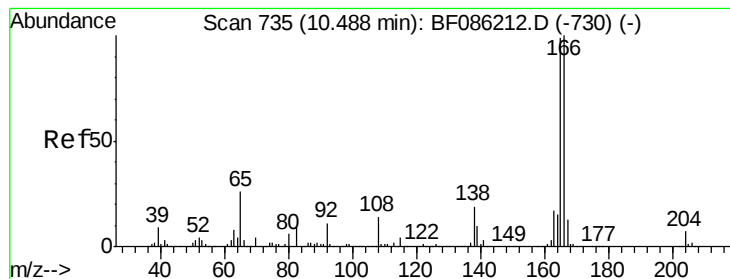
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 48.99 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

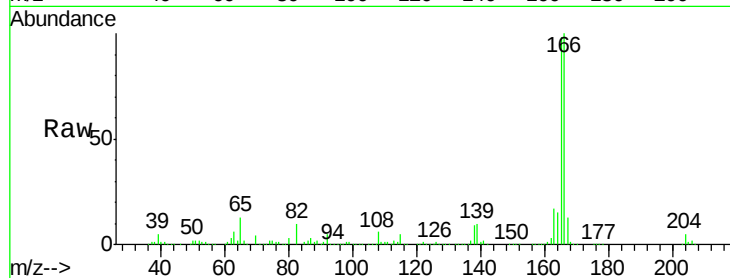
Tgt Ion:166 Resp: 1236682

Ion Ratio Lower Upper

166 100

165 98.4 78.6 117.8

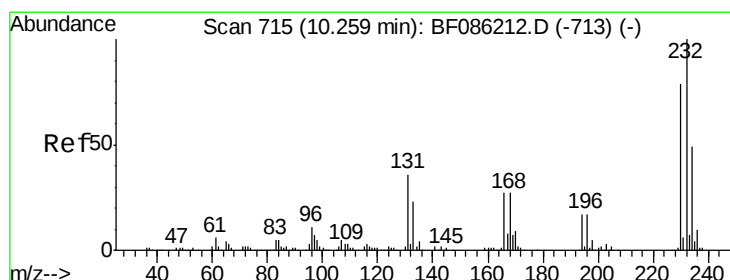
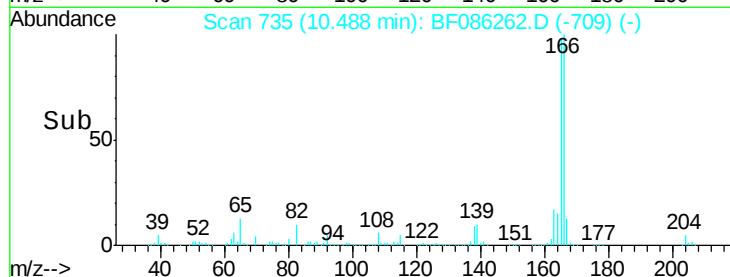
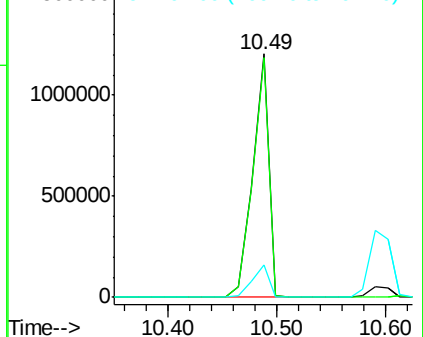
167 13.4 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.83 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion:232 Resp: 333251

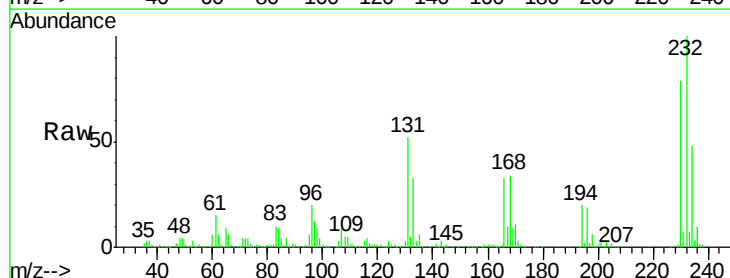
Ion Ratio Lower Upper

232 100

131 61.5 46.6 70.0

130 3.0 2.5 3.7

166 37.1 28.3 42.5

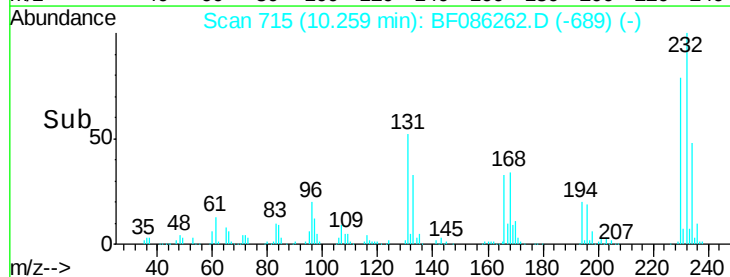
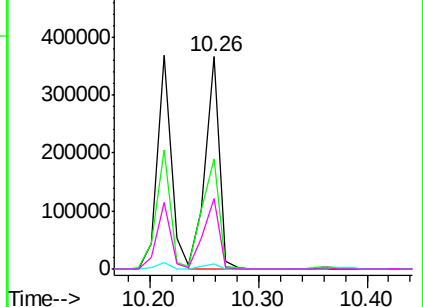


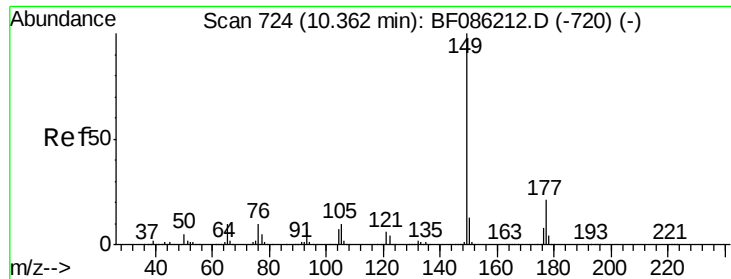
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

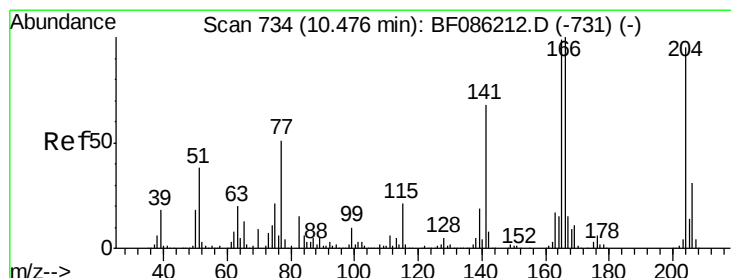
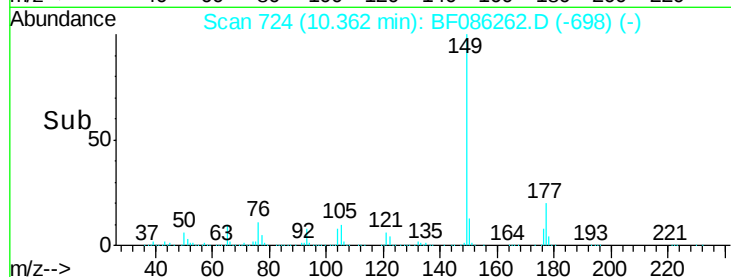
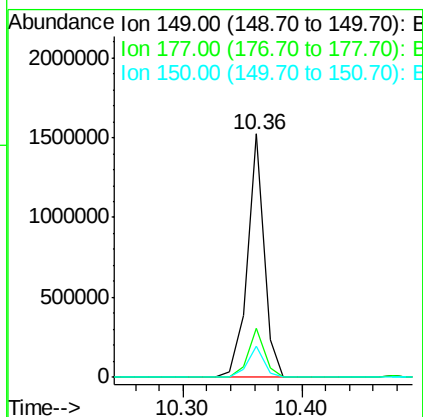
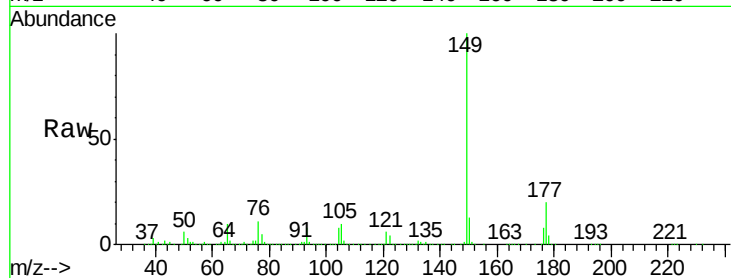




#59  
Diethylphthalate  
Concen: 39.62 ng  
RT: 10.36 min Scan# 724  
Delta R.T. -0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

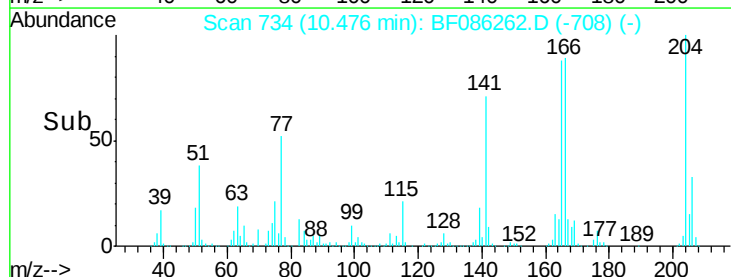
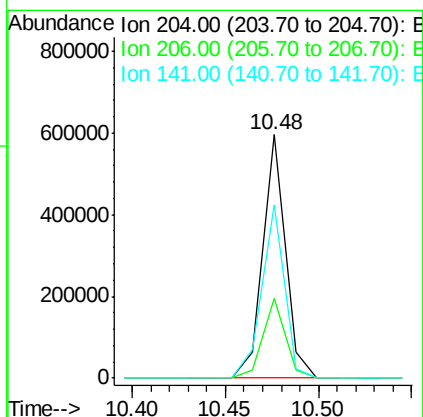
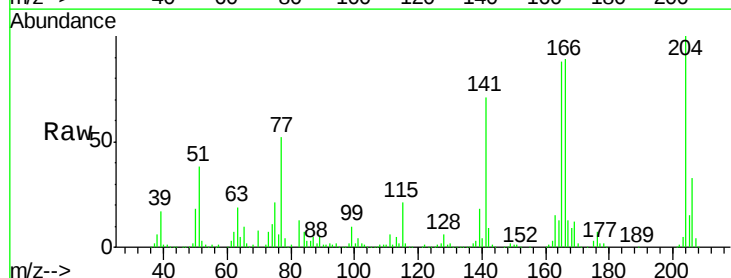
Instrument :  
BNA\_F  
ClientSampleId :  
CDMSH4MSD

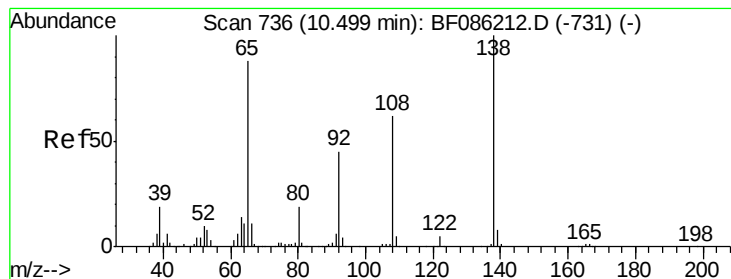
Tgt Ion:149 Resp: 1499003  
Ion Ratio Lower Upper  
149 100  
177 20.2 17.0 25.6  
150 13.0 10.2 15.4



#60  
4-Chlorophenyl-phenylether  
Concen: 47.54 ng  
RT: 10.48 min Scan# 734  
Delta R.T. 0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

Tgt Ion:204 Resp: 497181  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.2 39.2  
141 70.9 55.4 83.0





#61

4-Nitroaniline

Concen: 41.39 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

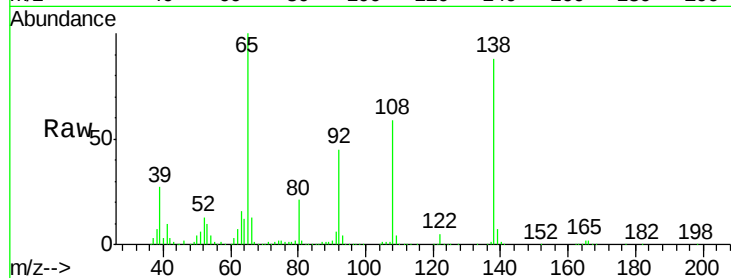
Tgt Ion:138 Resp: 352614

Ion Ratio Lower Upper

138 100

92 51.3 31.9 71.9

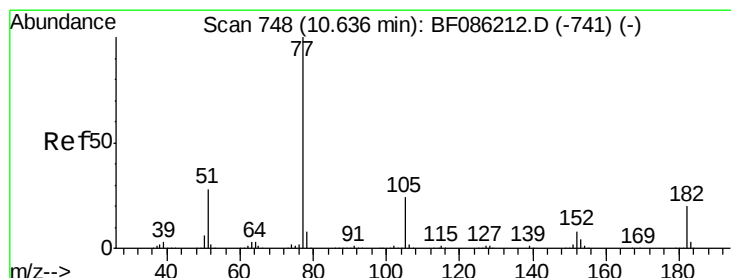
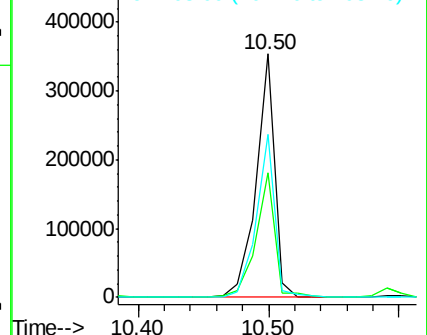
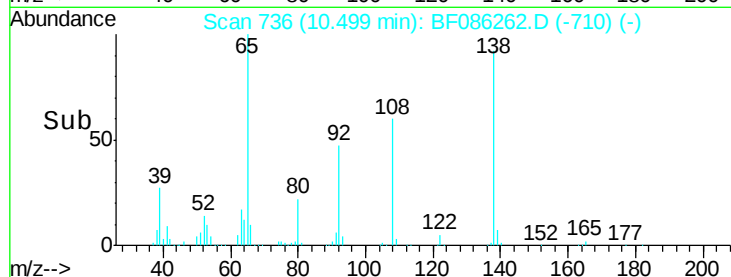
108 66.7 58.7 98.7



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 46.23 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion: 77 Resp: 1711480

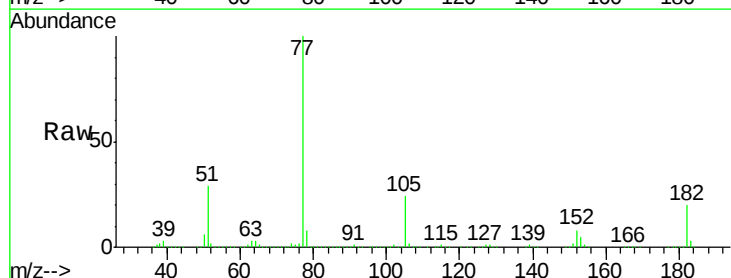
Ion Ratio Lower Upper

77 100

182 20.3 2.3 42.3

105 24.1 3.4 43.4

51 29.4 11.7 51.7

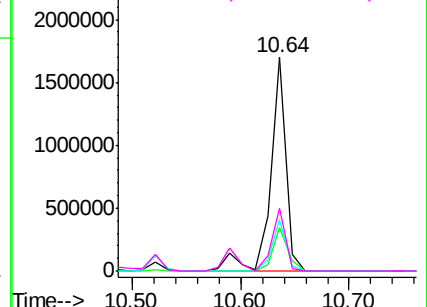
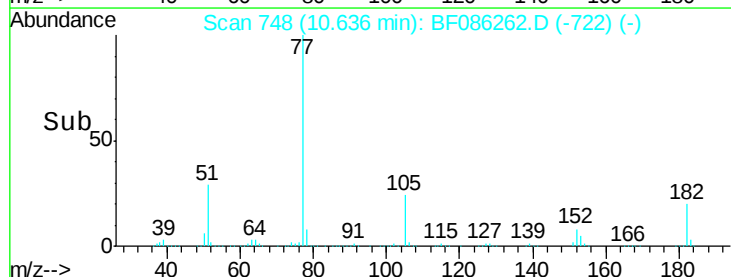


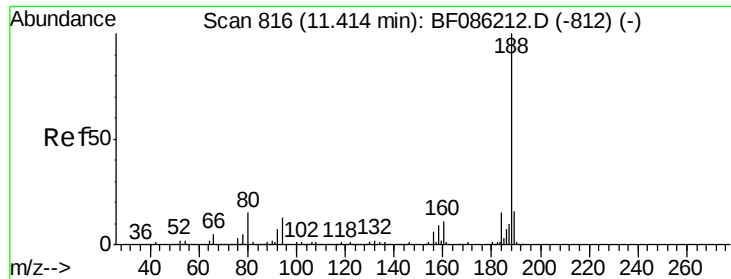
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

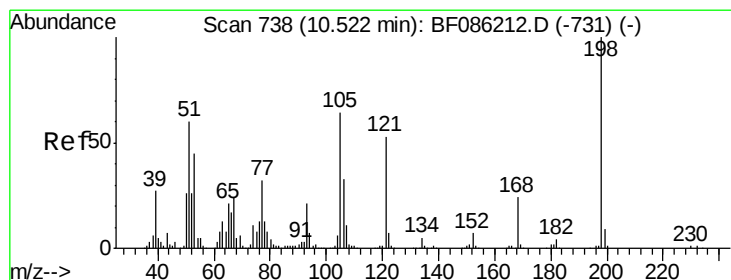
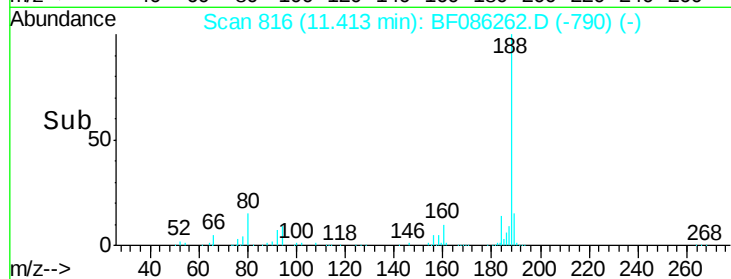
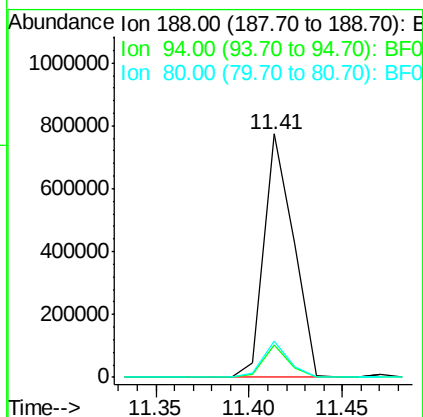
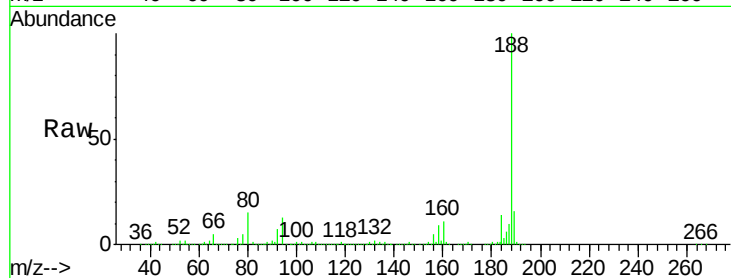




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.41 min Scan# 816  
Delta R.T. -0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

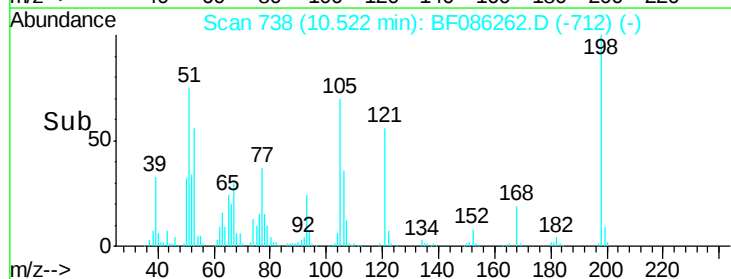
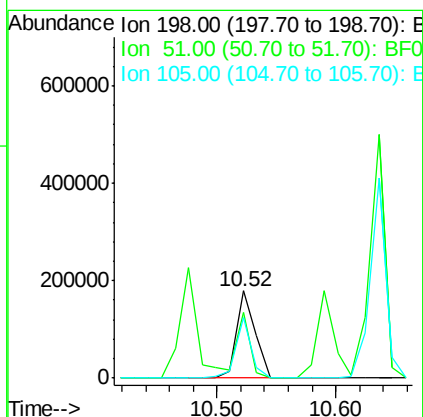
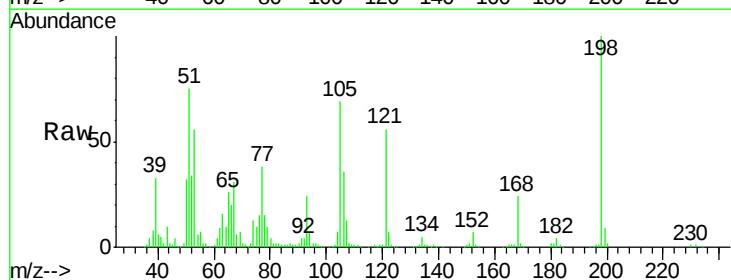
Instrument :  
BNA\_F  
ClientSampleId :  
CDMSH4MSD

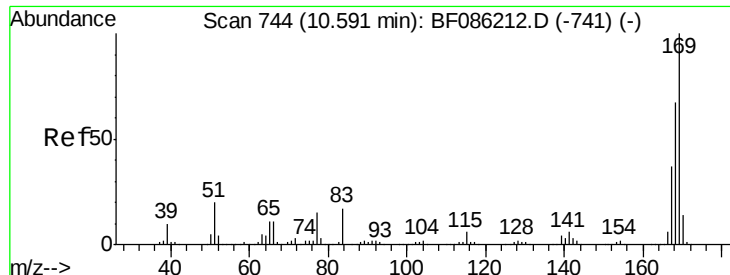
Tgt Ion:188 Resp: 858280  
Ion Ratio Lower Upper  
188 100  
94 13.1 9.8 14.8  
80 15.1 10.5 15.7



#64  
4,6-Dinitro-2-methylphenol  
Concen: 47.60 ng  
RT: 10.52 min Scan# 738  
Delta R.T. -0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

Tgt Ion:198 Resp: 194427  
Ion Ratio Lower Upper  
198 100  
51 74.6 56.5 96.5  
105 69.3 48.0 88.0

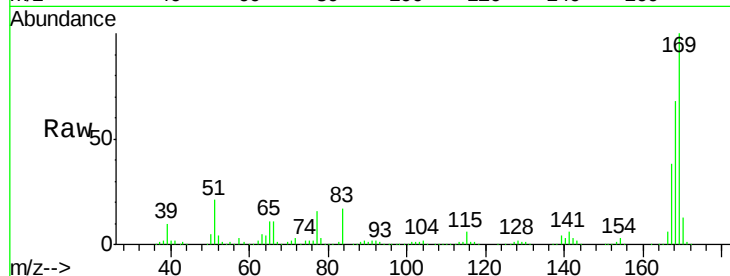




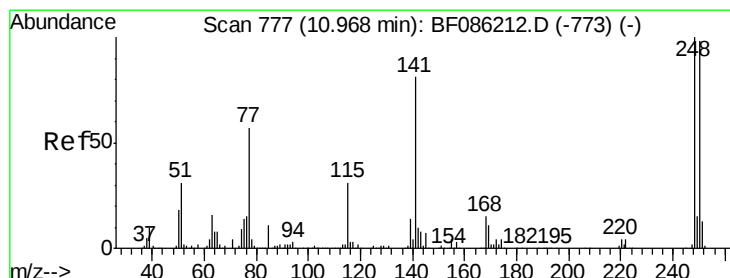
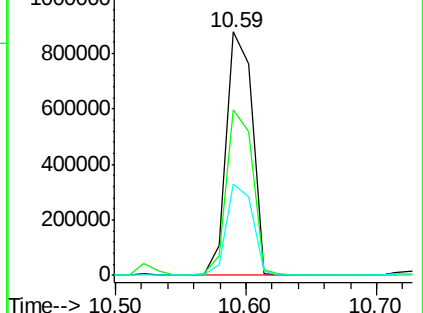
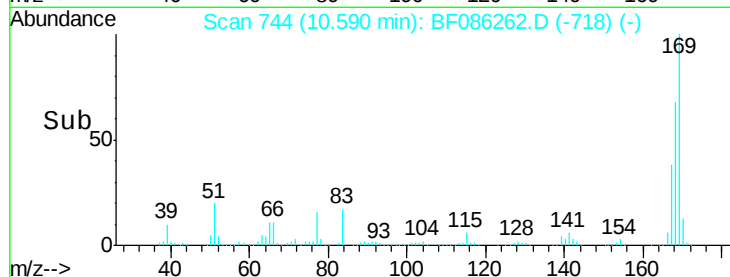
#65  
 n-Nitrosodiphenylamine  
 Concen: 45.92 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSh4MSD

Tgt Ion:169 Resp: 1206973  
 Ion Ratio Lower Upper  
 169 100  
 168 67.9 54.3 81.5  
 167 37.6 30.2 45.2

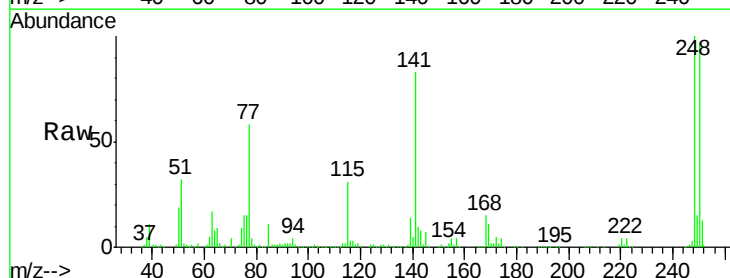


Abundance Ion 169.00 (168.70 to 169.70): E  
 1200000  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

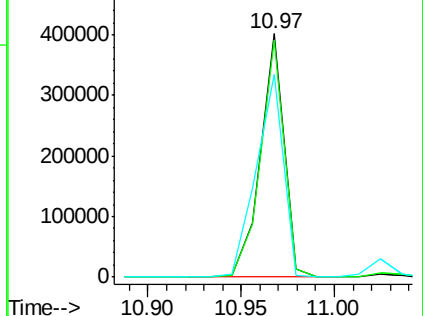
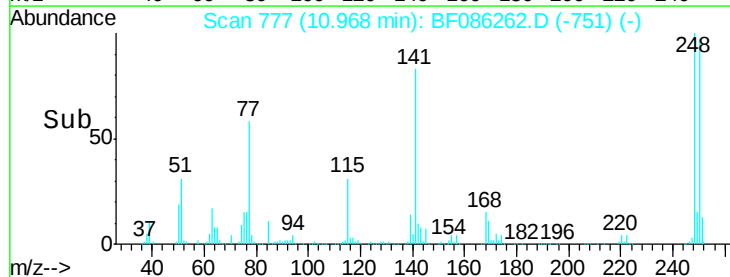


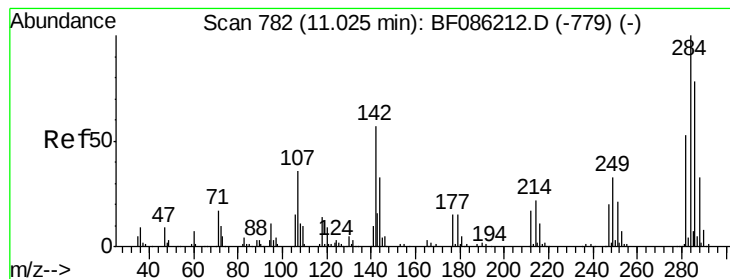
#66  
 4-Bromophenyl-phenylether  
 Concen: 43.51 ng  
 RT: 10.97 min Scan# 777  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Tgt Ion:248 Resp: 348073  
 Ion Ratio Lower Upper  
 248 100  
 250 97.2 78.6 118.0  
 141 83.2 57.9 86.9



Abundance Ion 248.00 (247.70 to 248.70): E  
 500000  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 43.38 ng

RT: 11.02 min Scan# 782

Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

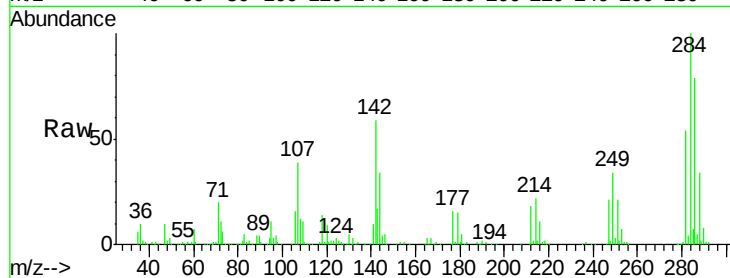
Tgt Ion:284 Resp: 363595

Ion Ratio Lower Upper

284 100

142 58.9 42.6 64.0

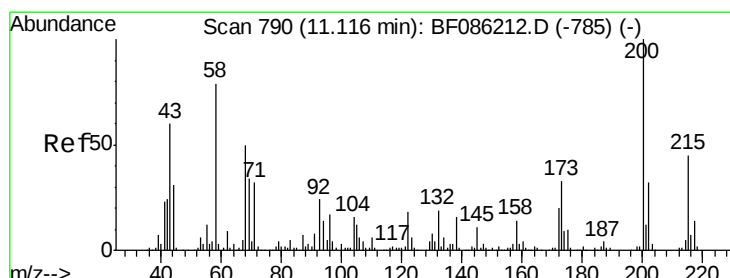
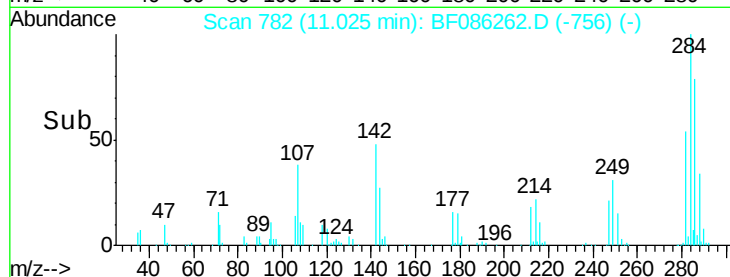
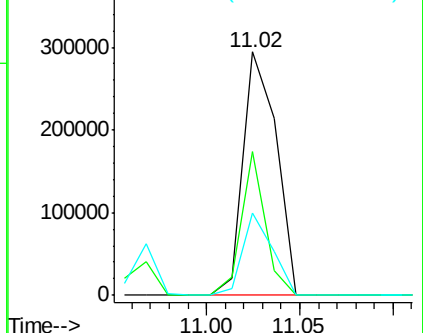
249 33.9 25.9 38.9



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: 49.96 ng

RT: 11.13 min Scan# 791

Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

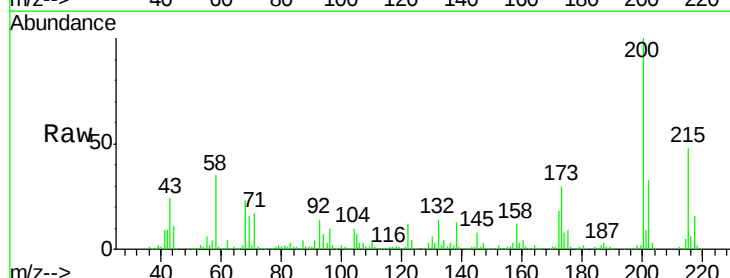
Tgt Ion:200 Resp: 402409

Ion Ratio Lower Upper

200 100

173 29.8 11.2 51.2

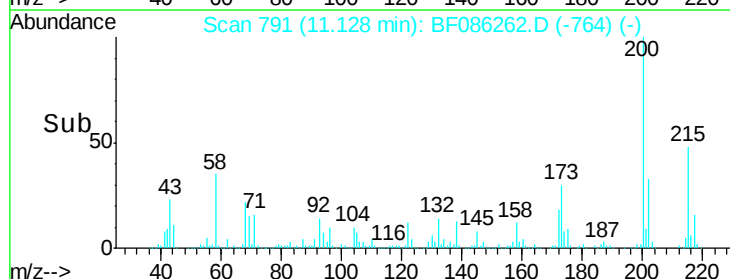
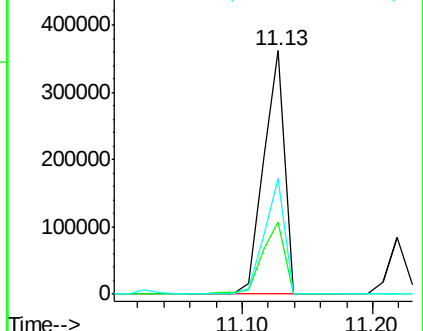
215 47.6 24.0 64.0

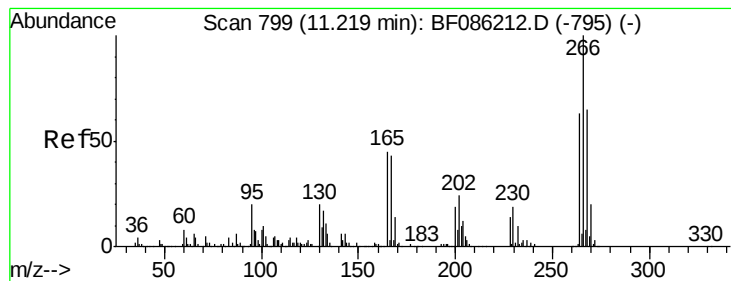


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 75.35 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

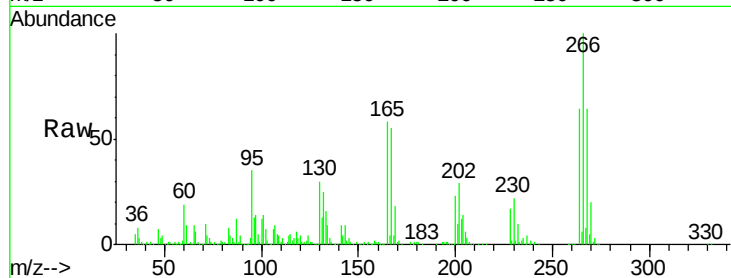
Tgt Ion:266 Resp: 382970

Ion Ratio Lower Upper

266 100

268 63.6 53.0 79.4

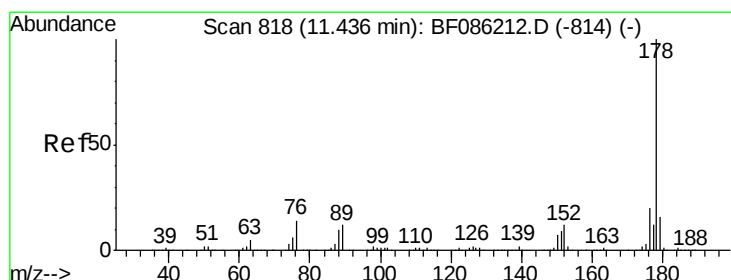
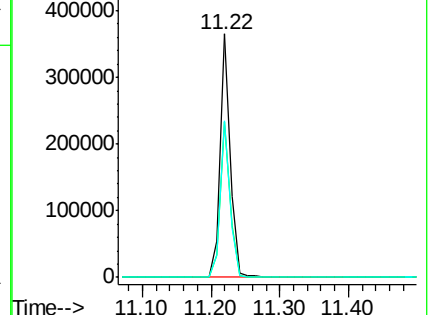
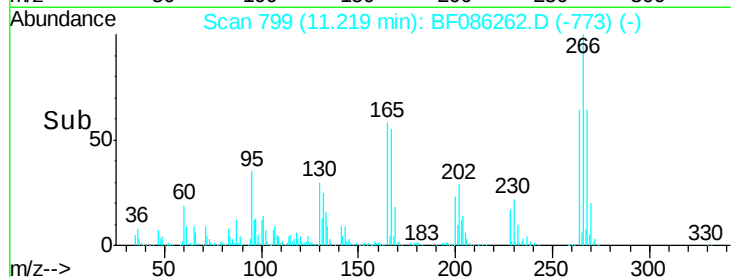
264 64.4 51.3 76.9



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: 48.38 ng

RT: 11.45 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

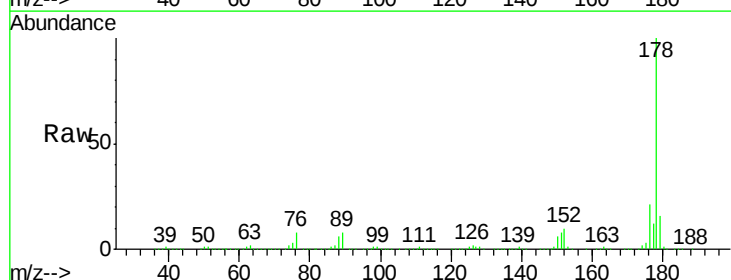
Tgt Ion:178 Resp: 1983231

Ion Ratio Lower Upper

178 100

176 20.6 16.3 24.5

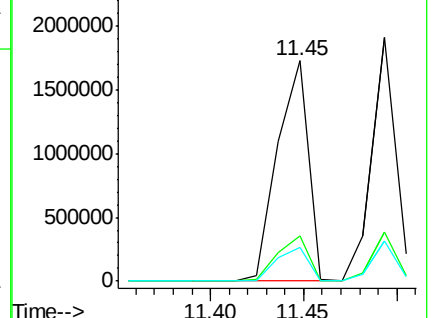
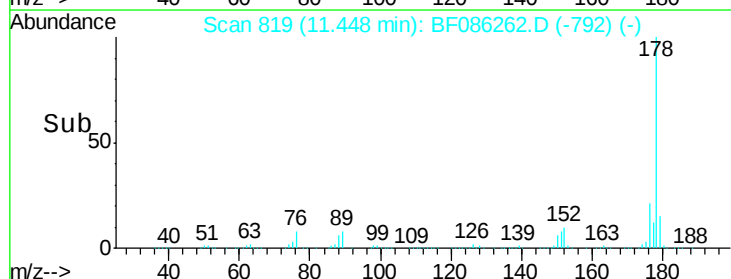
179 15.5 13.0 19.6

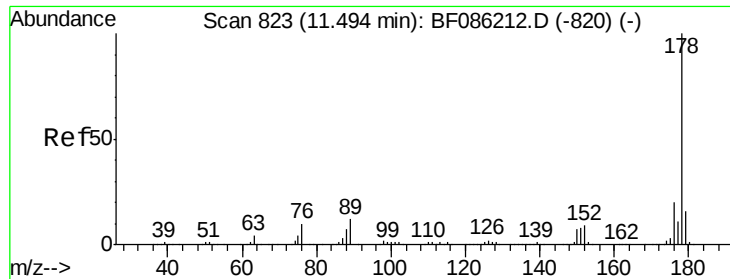


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

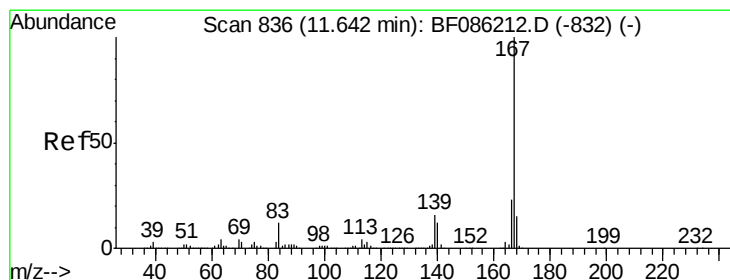
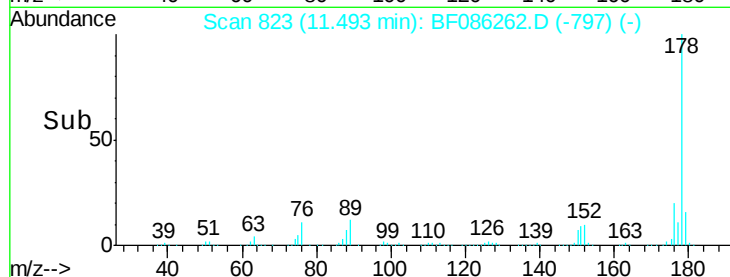
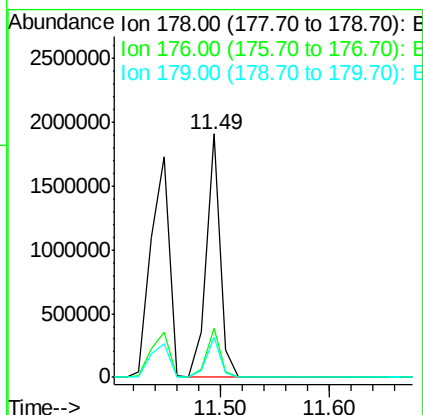
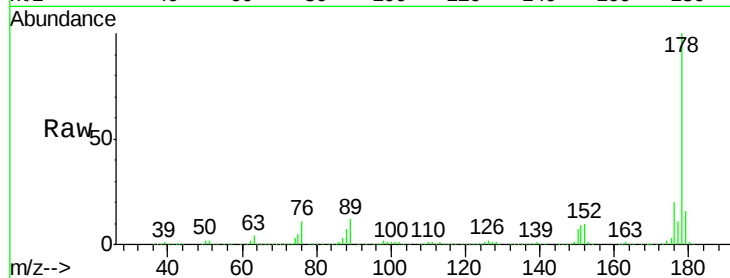




#71  
 Anthracene  
 Concen: 44.12 ng  
 RT: 11.49 min Scan# 823  
 Delta R.T. 0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

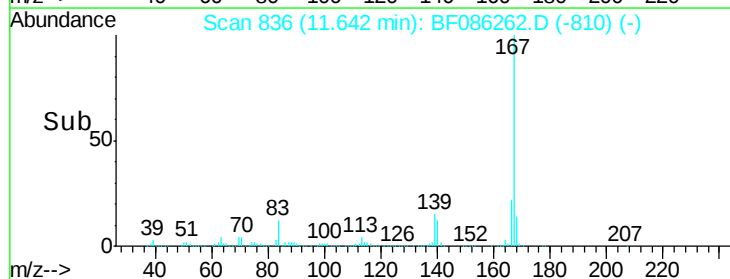
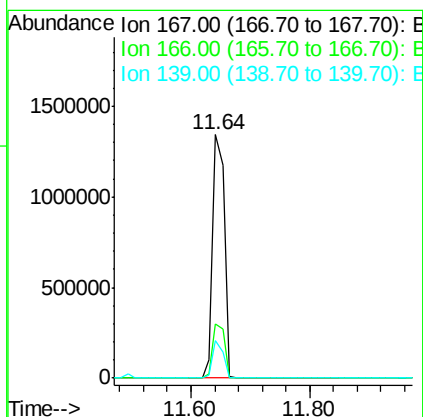
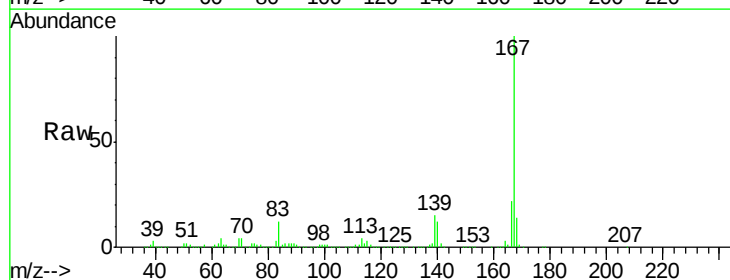
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSH4MSD

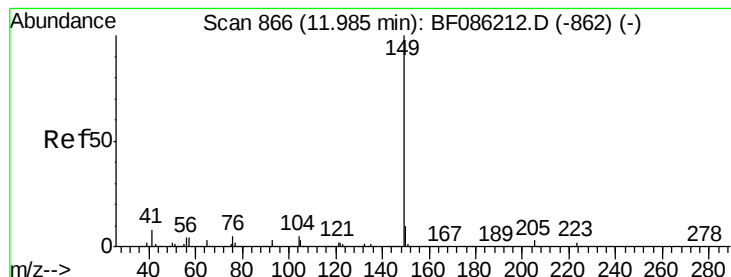
Tgt Ion:178 Resp: 1713491  
 Ion Ratio Lower Upper  
 178 100  
 176 20.1 16.2 24.4  
 179 16.3 13.2 19.8



#72  
 Carbazole  
 Concen: 46.65 ng  
 RT: 11.64 min Scan# 836  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Tgt Ion:167 Resp: 1818815  
 Ion Ratio Lower Upper  
 167 100  
 166 22.1 18.3 27.5  
 139 15.2 12.3 18.5





#73

Di-n-butylphthalate

Concen: 41.89 ng

RT: 11.98 min Scan# 866

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

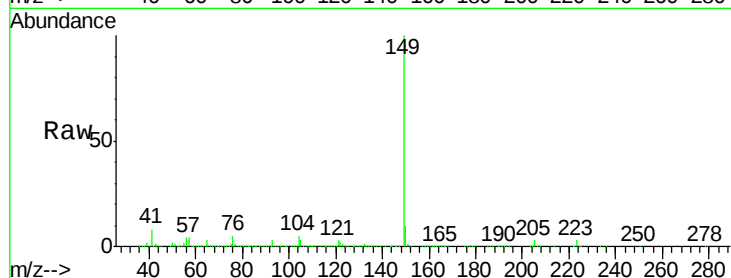
Tgt Ion:149 Resp: 2208097

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.8

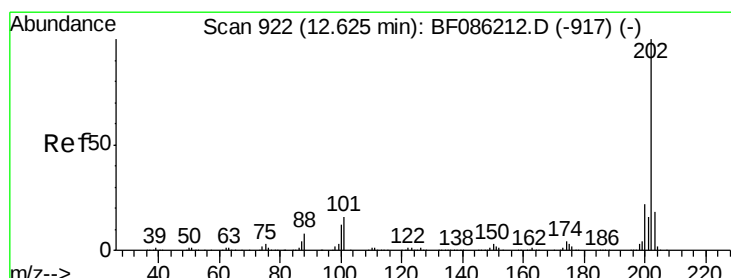
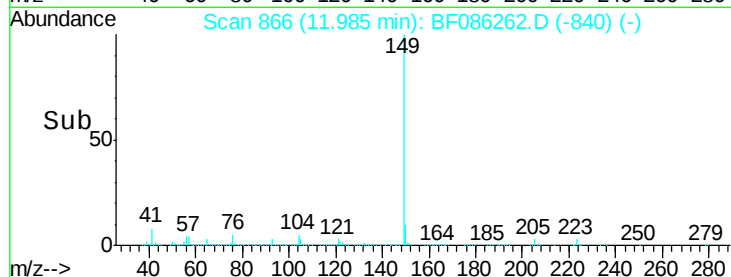
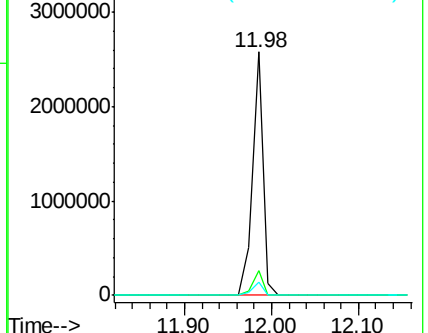
104 5.2 4.1 6.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 48.19 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

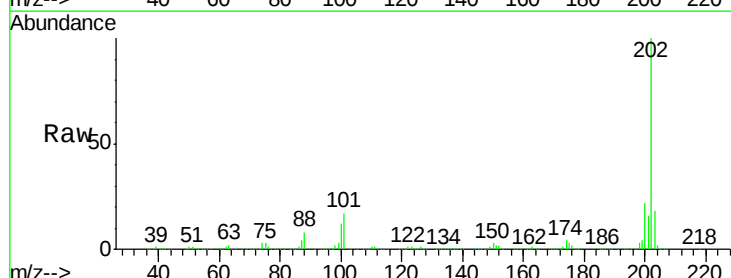
Tgt Ion:202 Resp: 1686458

Ion Ratio Lower Upper

202 100

101 16.6 0.0 35.2

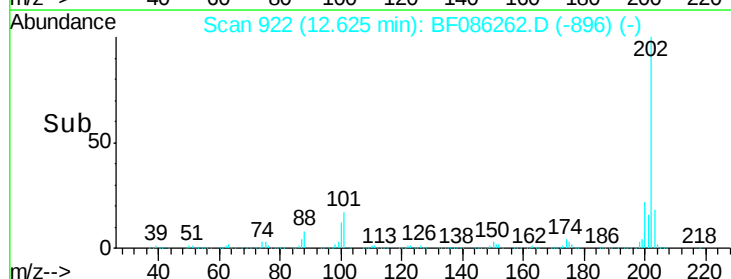
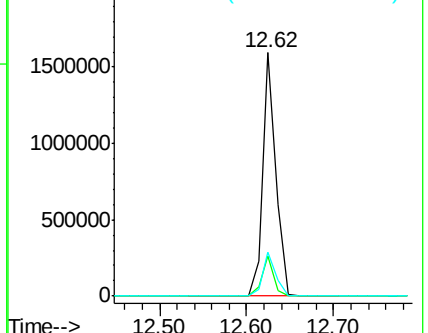
203 18.2 0.0 38.2

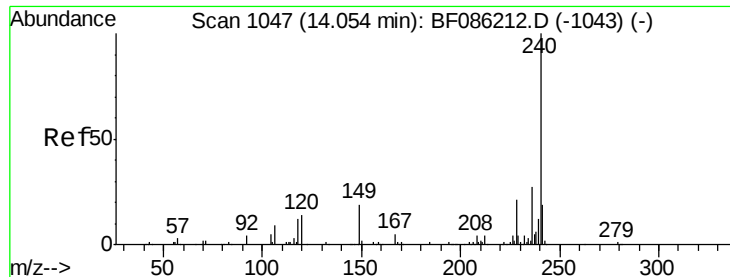


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

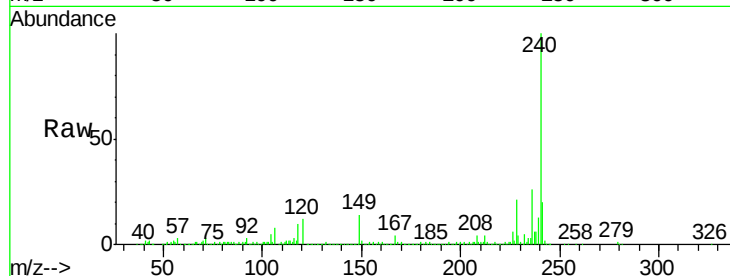
Tgt Ion:240 Resp: 466389

Ion Ratio Lower Upper

240 100

120 11.8 9.3 13.9

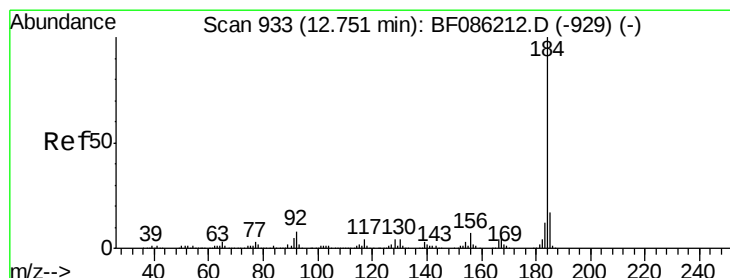
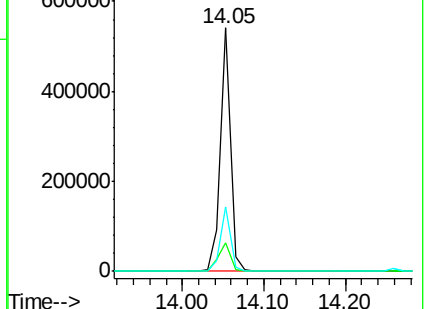
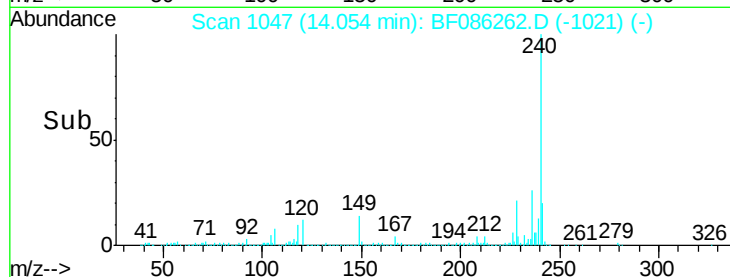
236 26.5 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 29.71 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

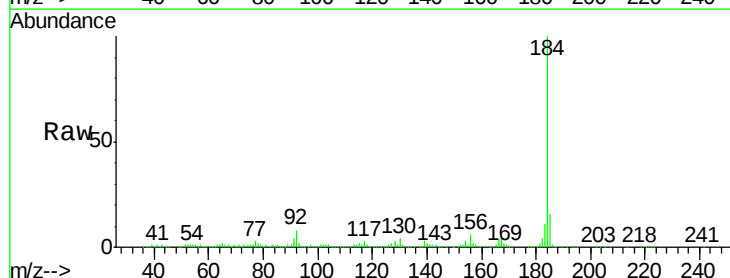
Tgt Ion:184 Resp: 537562

Ion Ratio Lower Upper

184 100

185 15.5 14.2 21.2

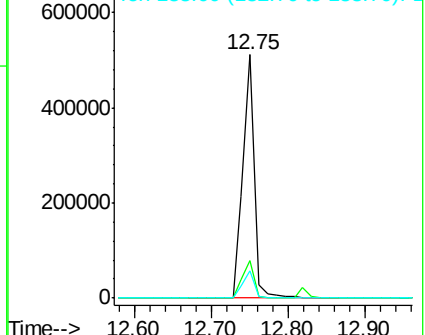
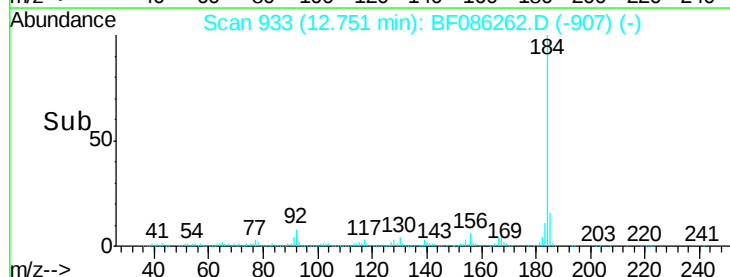
183 11.5 9.8 14.6

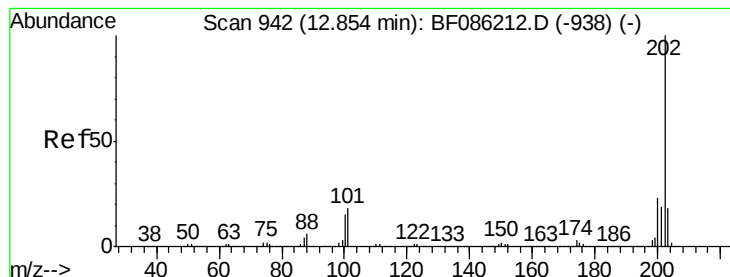


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 46.62 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA\_F

ClientSampleId :

CDMSH4MSD

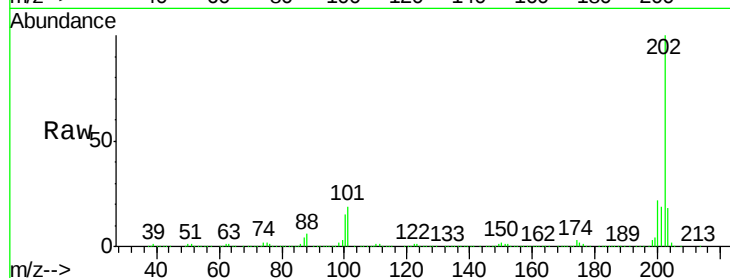
Tgt Ion:202 Resp: 1668131

Ion Ratio Lower Upper

202 100

200 22.3 18.3 27.5

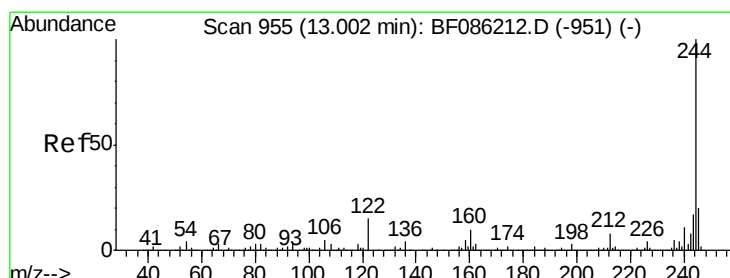
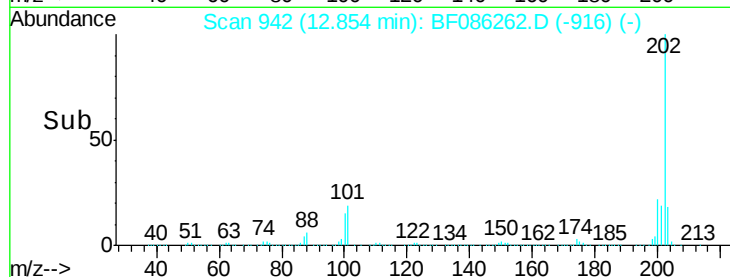
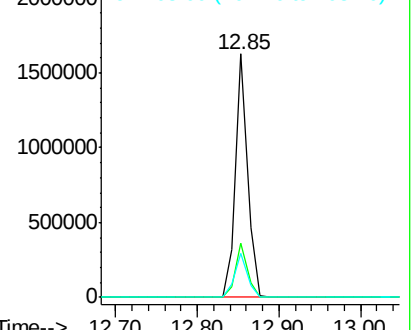
203 18.0 14.9 22.3



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: 85.87 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

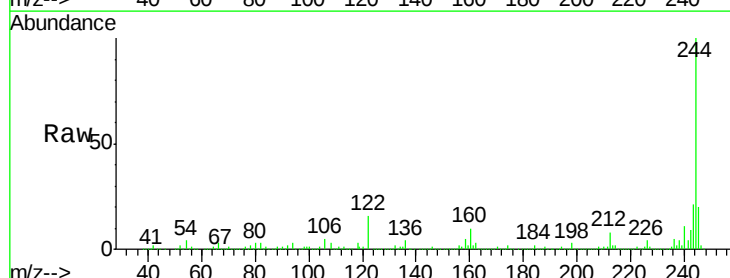
Tgt Ion:244 Resp: 1592622

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

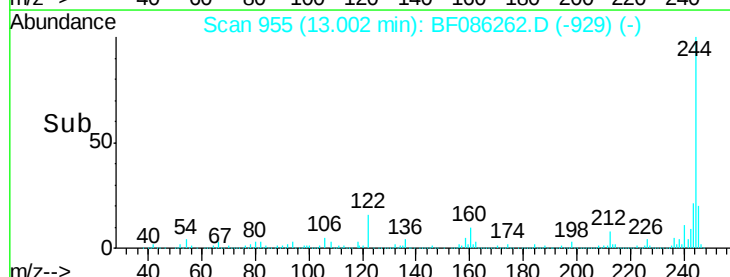
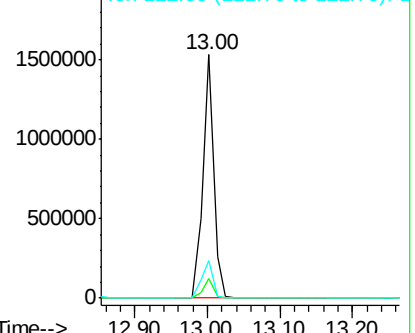
122 15.6 11.7 17.5

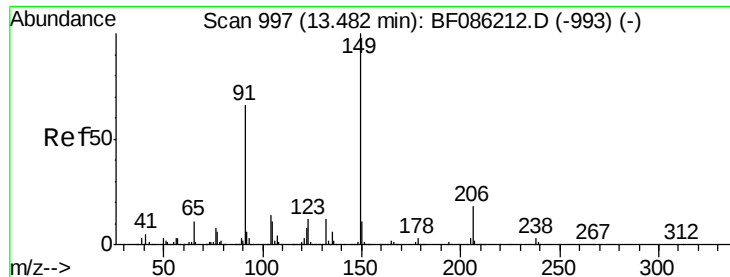


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

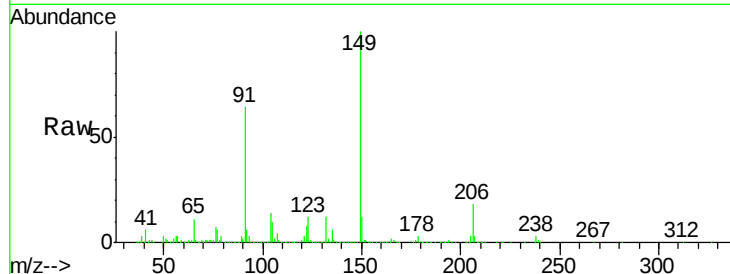




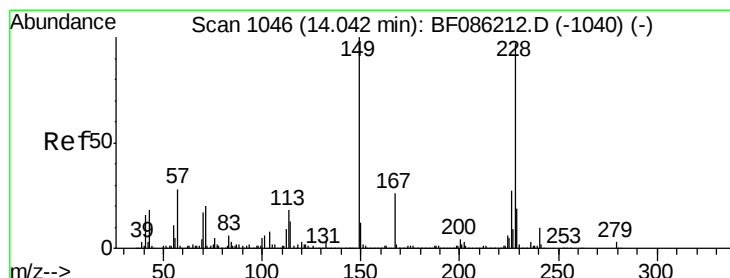
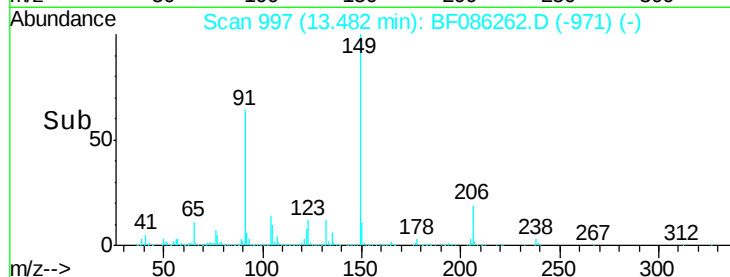
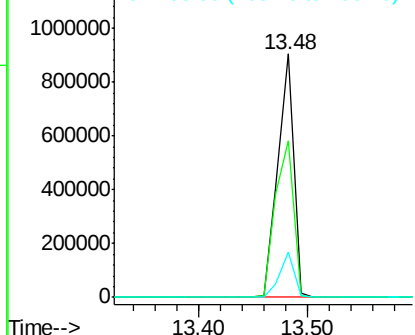
#79  
Butylbenzylphthalate  
Concen: 55.42 ng  
RT: 13.48 min Scan# 997  
Delta R.T. -0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

Instrument :  
BNA\_F  
ClientSampleId :  
CDMSH4MSD

Tgt Ion:149 Resp: 915958  
Ion Ratio Lower Upper  
149 100  
91 64.4 48.7 73.1  
206 18.5 15.7 23.5

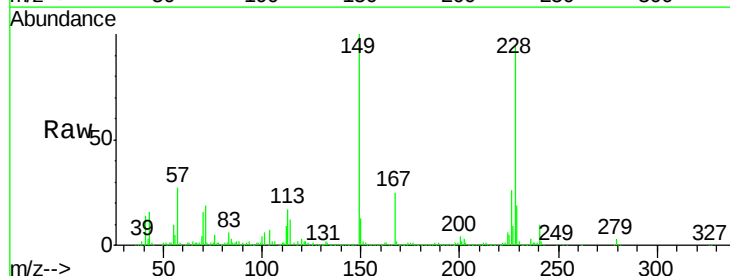


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

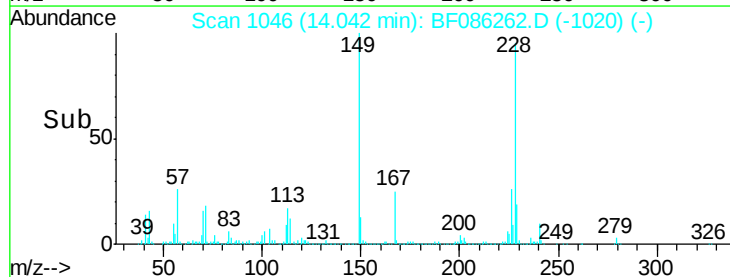
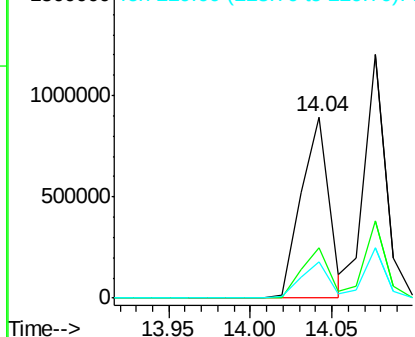


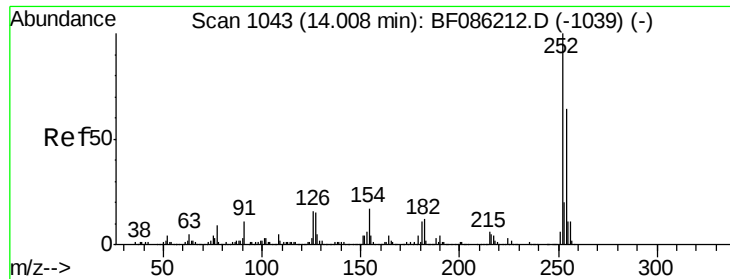
#80  
Benzo(a)anthracene  
Concen: 41.40 ng  
RT: 14.04 min Scan# 1046  
Delta R.T. -0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

Tgt Ion:228 Resp: 1059847  
Ion Ratio Lower Upper  
228 100  
226 27.6 22.5 33.7  
229 19.7 16.2 24.2



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

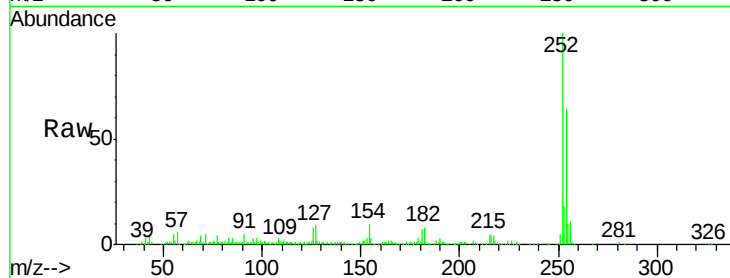




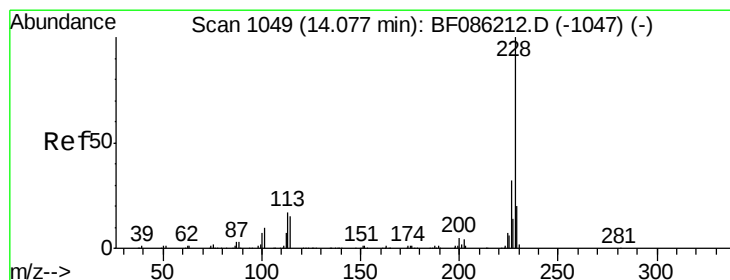
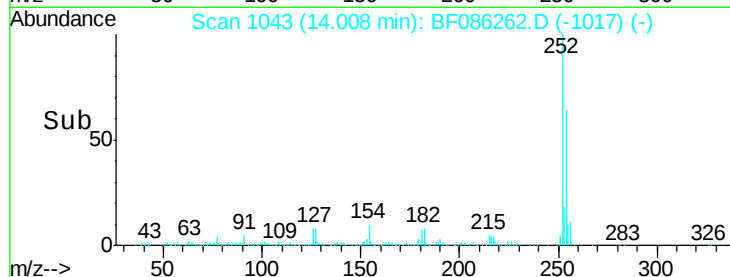
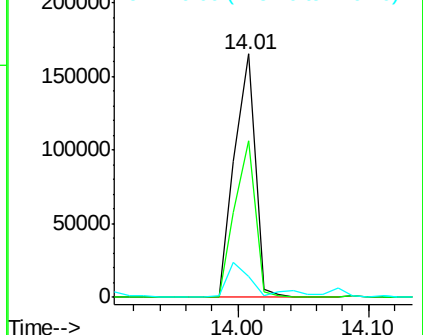
#81  
 3,3'-Dichlorobenzidine  
 Concen: 12.37 ng  
 RT: 14.01 min Scan# 1043  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSH4MSD

Tgt Ion:252 Resp: 183626  
 Ion Ratio Lower Upper  
 252 100  
 254 64.5 52.1 78.1  
 126 8.4 13.2 19.8#

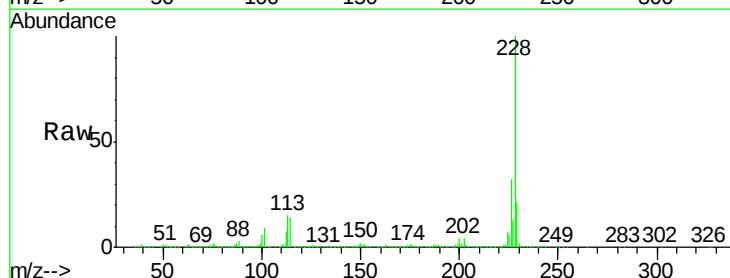


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

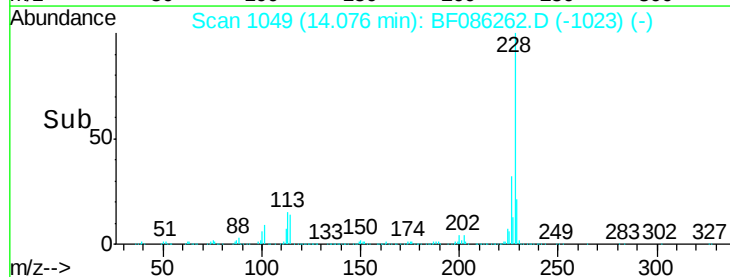
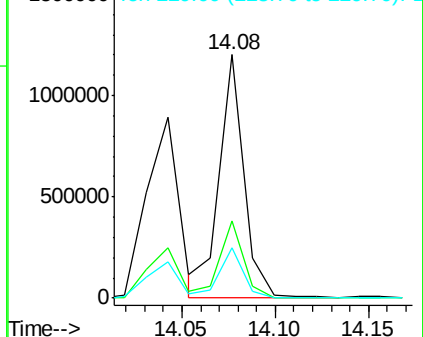


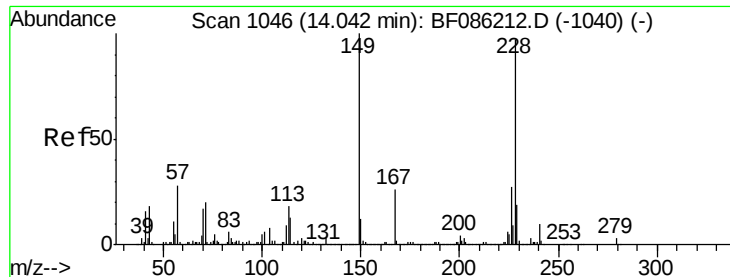
#82  
 Chrysene  
 Concen: 40.50 ng  
 RT: 14.08 min Scan# 1049  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Tgt Ion:228 Resp: 1105571  
 Ion Ratio Lower Upper  
 228 100  
 226 31.6 25.4 38.2  
 229 20.6 16.5 24.7



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

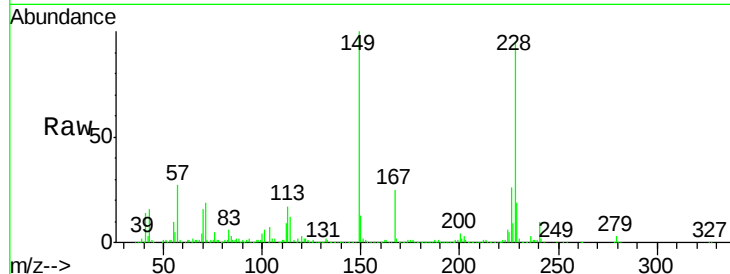




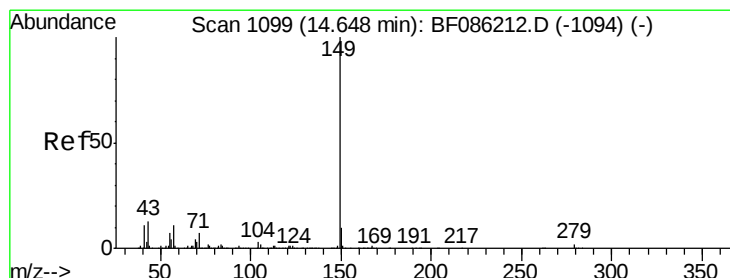
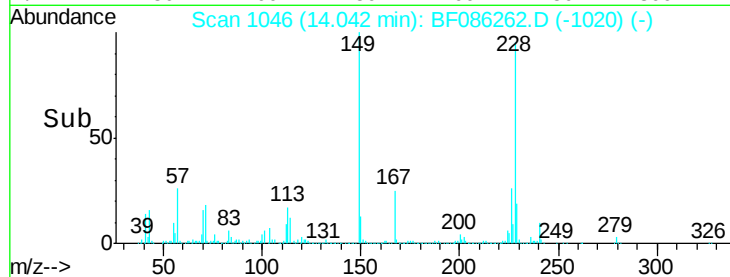
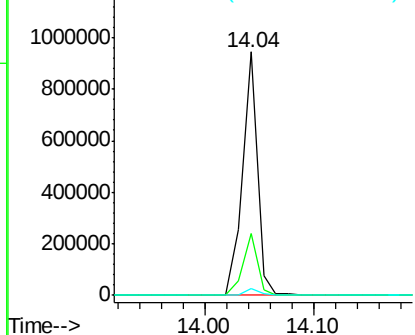
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 49.61 ng  
 RT: 14.04 min Scan# 1046  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSH4MSD

Tgt Ion:149 Resp: 885448  
 Ion Ratio Lower Upper  
 149 100  
 167 25.5 21.0 31.4  
 279 2.7 2.4 3.6

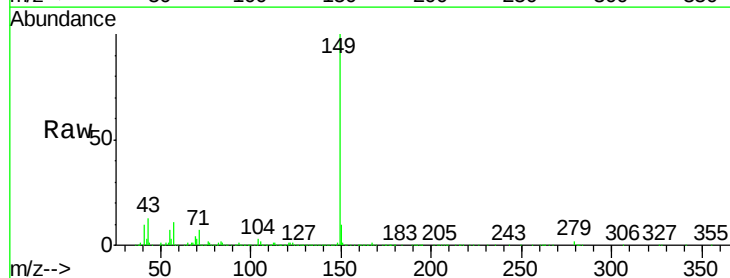


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

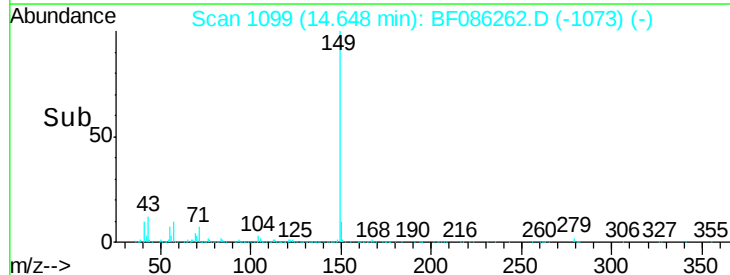
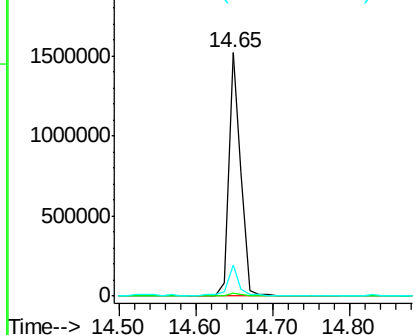


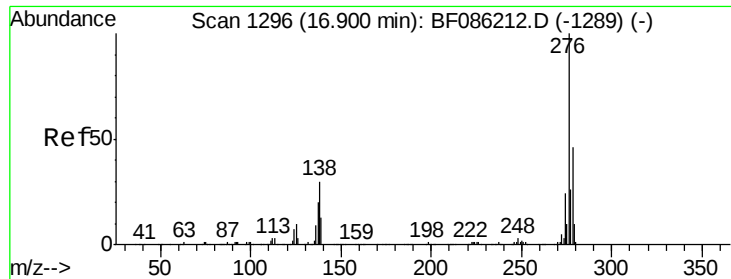
#84  
 Di-n-octyl phthalate  
 Concen: 48.51 ng  
 RT: 14.65 min Scan# 1099  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Tgt Ion:149 Resp: 1668866  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.1 1.7  
 43 10.8 9.1 13.7



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BF0

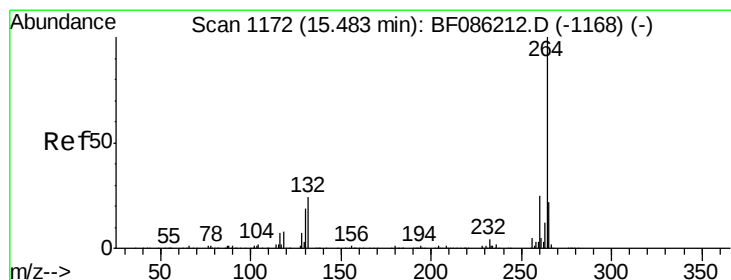
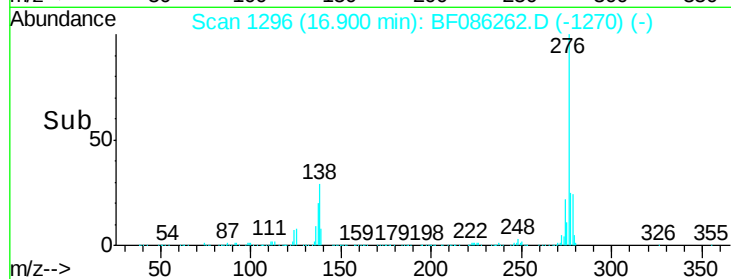
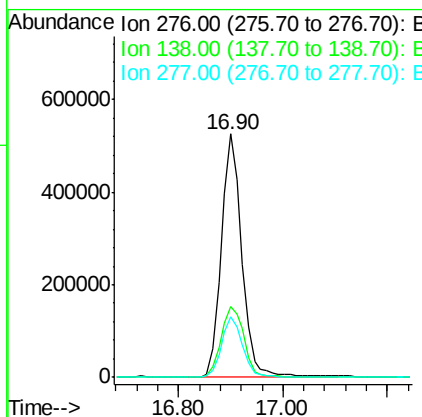
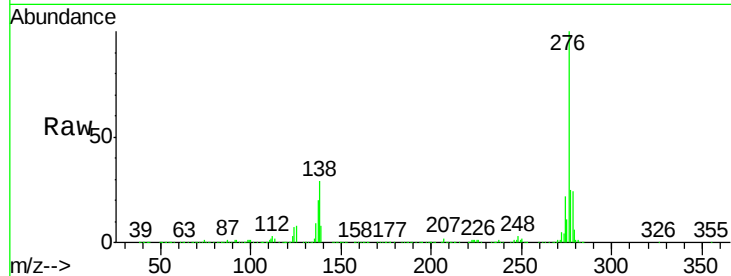




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 63.93 ng  
 RT: 16.90 min Scan# 1296  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

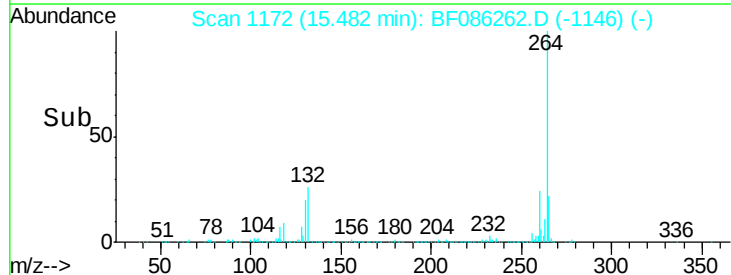
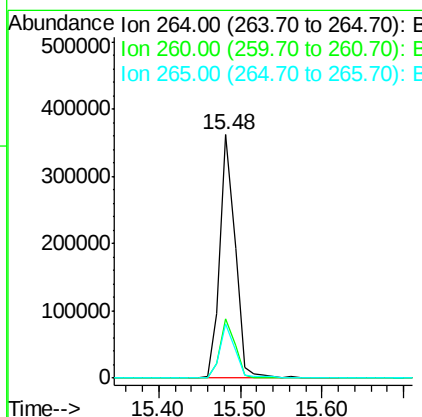
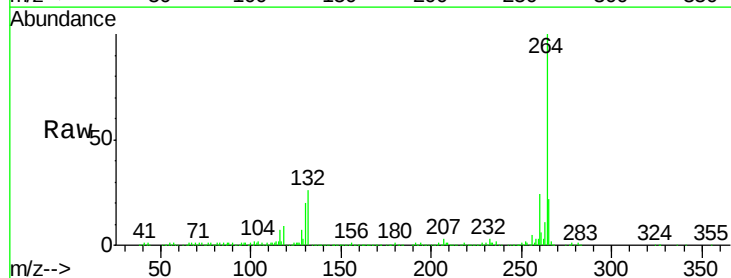
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CDMSH4MSD

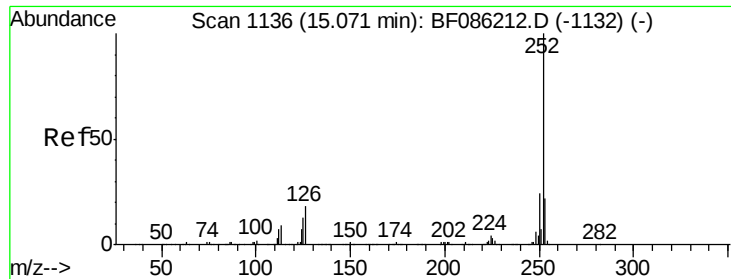
Tgt Ion:276 Resp: 1434479  
 Ion Ratio Lower Upper  
 276 100  
 138 32.7 23.8 35.6  
 277 25.5 20.2 30.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.48 min Scan# 1172  
 Delta R.T. -0.00 min  
 Lab File: BF086262.D  
 Acq: 16 Apr 2016 13:30

Tgt Ion:264 Resp: 472929  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 20.0 30.0  
 265 22.2 17.4 26.0

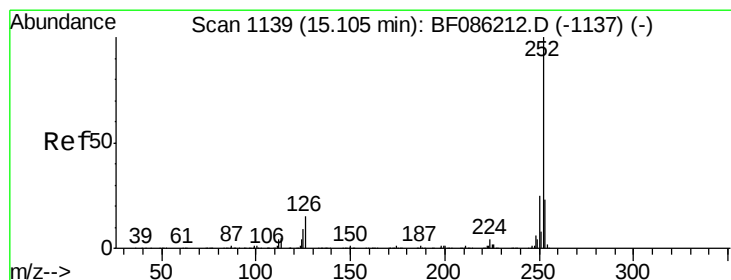
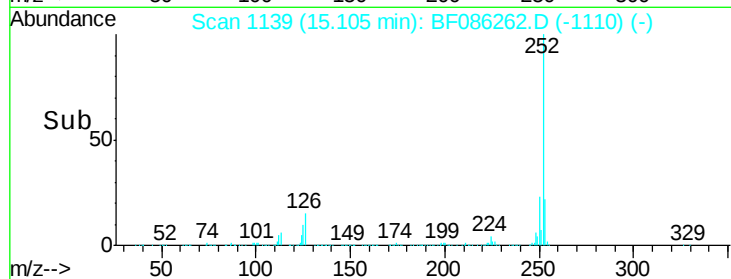
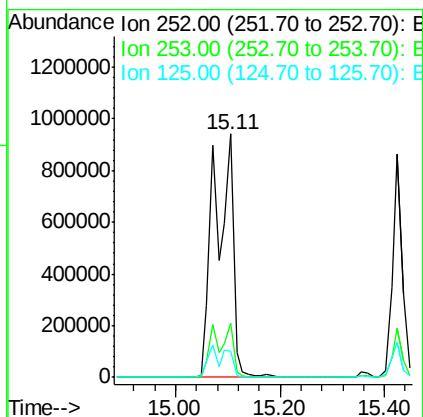
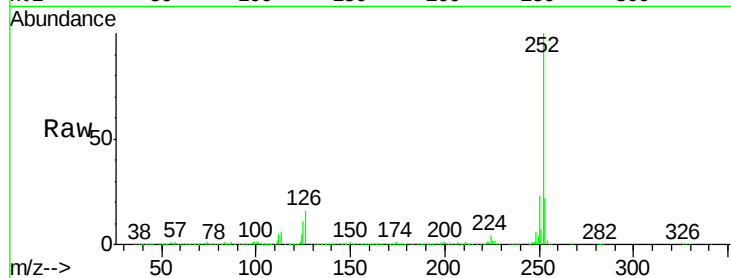




#87  
Benzo(b)fluoranthene  
Concen: 79.21 ng  
RT: 15.11 min Scan# 1139  
Delta R.T. 0.03 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

Instrument :  
BNA\_F  
ClientSampleId :  
CDMSH4MSD

Tgt Ion:252 Resp: 2311090  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.7 26.5  
125 10.5 10.3 15.5



#88  
Benzo(k)fluoranthene  
Concen: 86.87 ng  
RT: 15.11 min Scan# 1139  
Delta R.T. -0.00 min  
Lab File: BF086262.D  
Acq: 16 Apr 2016 13:30

Tgt Ion:252 Resp: 2311090  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.5 26.3  
125 10.5 7.8 11.6

