

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040616\  
 Data File : BF086103.D  
 Acq On : 6 Apr 2016 17:41  
 Operator : UM/SJ  
 Sample : H2254-01MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-14MS

Quant Time: Apr 07 01:09:49 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.74  | 152  | 157787   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 8.03  | 136  | 640902   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10      | 9.78  | 164  | 279992   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.26 | 188  | 493669   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 13.91 | 240  | 326882   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.30 | 264  | 315636   | 20.00 | ng    | -0.03    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.34  | 112 | 738055 | 79.95 | ng | -0.02 |
| 7) Phenol-d6                | 6.40  | 99  | 928429 | 79.18 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.31  | 82  | 627740 | 57.76 | ng | -0.03 |
| 41) 2,4,6-Tribromophenol    | 10.58 | 330 | 236378 | 89.95 | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 9.10  | 172 | 947261 | 56.25 | ng | -0.03 |
| 78) Terphenyl-d14           | 12.84 | 244 | 727404 | 52.31 | ng | -0.03 |

|                                |      |     |        |        |    |      |
|--------------------------------|------|-----|--------|--------|----|------|
| Target Compounds               |      |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.32 | 88  | 101752 | 23.25  | ng | 99   |
| 3) Pyridine                    | 3.01 | 79  | 271696 | 27.73  | ng | 99   |
| 4) n-Nitrosodimethylamine      | 2.96 | 42  | 117490 | 27.27  | ng | 96   |
| 6) Aniline                     | 6.41 | 93  | 155471 | 10.11  | ng | # 1  |
| 8) 2-Chlorophenol              | 6.53 | 128 | 303857 | 27.60  | ng | 98   |
| 9) Benzaldehyde                | 6.29 | 77  | 109462 | 17.35  | ng | 93   |
| 10) Phenol                     | 6.41 | 94  | 380093 | 28.42  | ng | 93   |
| 11) bis(2-Chloroethyl)ether    | 6.49 | 93  | 286676 | 27.07  | ng | 98   |
| 12) 1,3-Dichlorobenzene        | 6.68 | 146 | 310917 | 26.65  | ng | # 95 |
| 13) 1,4-Dichlorobenzene        | 6.76 | 146 | 320550 | 26.67  | ng | 96   |
| 14) 1,2-Dichlorobenzene        | 6.91 | 146 | 281018 | 25.40  | ng | 95   |
| 15) Benzyl Alcohol             | 6.90 | 79  | 217775 | 28.71  | ng | 99   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45  | 338206 | 26.14  | ng | 54   |
| 17) 2-Methylphenol             | 7.01 | 107 | 229766 | 26.47  | ng | 95   |
| 18) Hexachloroethane           | 7.25 | 117 | 115071 | 26.03  | ng | 94   |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70  | 191233 | 26.31  | ng | # 90 |
| 20) 3+4-Methylphenols          | 7.17 | 107 | 309929 | 29.36  | ng | # 68 |
| 22) Acetophenone               | 7.16 | 105 | 406173 | 26.96  | ng | # 90 |
| 24) Nitrobenzene               | 7.33 | 77  | 301275 | 25.34  | ng | 98   |
| 25) Isophorone                 | 7.57 | 82  | 561862 | 26.19  | ng | 99   |
| 26) 2-Nitrophenol              | 7.65 | 139 | 162064 | 28.49  | ng | 96   |
| 27) 2,4-Dimethylphenol         | 7.70 | 122 | 279488 | 27.35  | ng | 98   |
| 28) bis(2-Chloroethoxy)methane | 7.79 | 93  | 368877 | 29.30  | ng | 99   |
| 29) 2,4-Dichlorophenol         | 7.90 | 162 | 223852 | 25.92  | ng | 93   |
| 30) 1,2,4-Trichlorobenzene     | 7.97 | 180 | 245179 | 25.29  | ng | 97   |
| 31) Naphthalene                | 8.05 | 128 | 856694 | 26.57  | ng | 99   |
| 32) Benzoic acid               | 7.80 | 122 | 29716  | 3.96   | ng | 98   |
| 33) 4-Chloroaniline            | 8.12 | 127 | 66341  | 5.09   | ng | 98   |
| 34) Hexachlorobutadiene        | 8.17 | 225 | 120591 | 23.13  | ng | 98   |
| 35) Caprolactam                | 8.48 | 113 | 54294  | 19.81  | ng | 94   |
| 36) 4-Chloro-3-methylphenol    | 8.60 | 107 | 249902 | 25.74  | ng | 92   |
| 37) 2-Methylnaphthalene        | 8.75 | 142 | 537391 | 25.52  | ng | 99   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.91 | 216 | 209819 | 24.93  | ng | 98   |
| 40) Hexachlorocyclopentadiene  | 8.90 | 237 | 108950 | 44.65  | ng | 97   |

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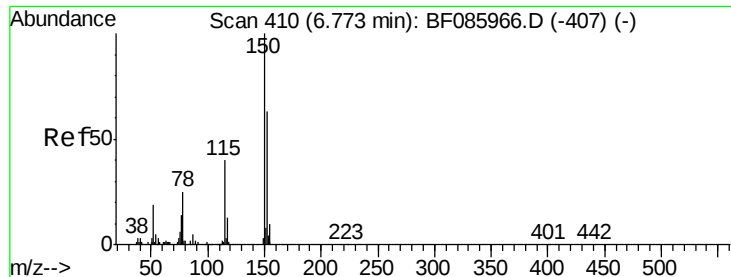
Instrument :  
 BNA\_F  
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 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040216.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.04  | 196  | 147714   | 27.33 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 9.08  | 196  | 146734   | 26.74 | ng    | 98       |
| 45) 1,1'-Biphenyl              | 9.21  | 154  | 602832   | 24.97 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.23  | 162  | 449600   | 25.69 | ng    | 93       |
| 47) 2-Nitroaniline             | 9.33  | 65   | 137498   | 26.85 | ng    | 87       |
| 48) Acenaphthylene             | 9.64  | 152  | 689194   | 24.58 | ng    | 99       |
| 49) Dimethylphthalate          | 9.52  | 163  | 788442   | 37.99 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.58  | 165  | 129662   | 29.53 | ng    | # 65     |
| 51) Acenaphthene               | 9.81  | 154  | 416017   | 24.95 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.74  | 138  | 75065    | 14.18 | ng    | 86       |
| 53) 2,4-Dinitrophenol          | 9.87  | 184  | 51166    | 27.21 | ng    | # 72     |
| 54) Dibenzofuran               | 9.98  | 168  | 608209   | 27.62 | ng    | 95       |
| 55) 4-Nitrophenol              | 9.93  | 139  | 156939   | 50.31 | ng    | 92       |
| 56) 2,4-Dinitrotoluene         | 9.98  | 165  | 136890   | 24.67 | ng    | # 36     |
| 57) Fluorene                   | 10.33 | 166  | 450294   | 23.94 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.11 | 232  | 115290   | 28.22 | ng    | 98       |
| 59) Diethylphthalate           | 10.21 | 149  | 582127   | 27.79 | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 10.33 | 204  | 230509   | 26.31 | ng    | # 83     |
| 61) 4-Nitroaniline             | 10.36 | 138  | 111476   | 21.39 | ng    | 90       |
| 62) Azobenzene                 | 10.49 | 77   | 582854   | 29.05 | ng    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 10.40 | 198  | 63857    | 21.34 | ng    | 86       |
| 65) n-Nitrosodiphenylamine     | 10.44 | 169  | 416029   | 26.95 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.81 | 248  | 124285   | 24.66 | ng    | # 78     |
| 67) Hexachlorobenzene          | 10.88 | 284  | 131336   | 25.20 | ng    | # 69     |
| 68) Atrazine                   | 10.98 | 200  | 147161   | 29.50 | ng    | 98       |
| 69) Pentachlorophenol          | 11.08 | 266  | 133976   | 54.85 | ng    | 99       |
| 70) Phenanthrene               | 11.29 | 178  | 771461   | 28.65 | ng    | 99       |
| 71) Anthracene                 | 11.34 | 178  | 754676   | 26.75 | ng    | 98       |
| 72) Carbazole                  | 11.50 | 167  | 650040   | 26.80 | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.84 | 149  | 798892   | 26.59 | ng    | # 98     |
| 74) Fluoranthene               | 12.48 | 202  | 749880   | 26.77 | ng    | 95       |
| 76) Benzidine                  | 12.60 | 184  | 229269   | 19.88 | ng    | 97       |
| 77) Pyrene                     | 12.71 | 202  | 749729   | 32.55 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.32 | 149  | 277319   | 26.74 | ng    | # 82     |
| 80) Benzo(a)anthracene         | 13.89 | 228  | 526388   | 27.32 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.86 | 252  | 76381    | 5.43  | ng    | # 97     |
| 82) Chrysene                   | 13.93 | 228  | 496252   | 26.74 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.88 | 149  | 364898   | 26.51 | ng    | # 97     |
| 84) Di-n-octyl phthalate       | 14.49 | 149  | 596099   | 27.12 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.65 | 276  | 545878   | 36.25 | ng    | 100      |
| 87) Benzo(b)fluoranthene       | 14.93 | 252  | 987460   | 49.73 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 14.93 | 252  | 987460   | 56.16 | ng    | # 98     |
| 89) Benzo(a)pyrene             | 15.24 | 252  | 487510   | 27.71 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.66 | 278  | 439858   | 31.08 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 17.05 | 276  | 463709   | 33.85 | ng    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086103.D

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BNA\_F

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SP-14MS

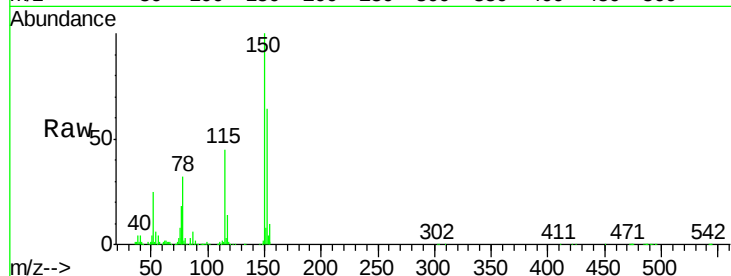
Tgt Ion:152 Resp: 157787

Ion Ratio Lower Upper

152 100

150 156.6 124.2 186.2

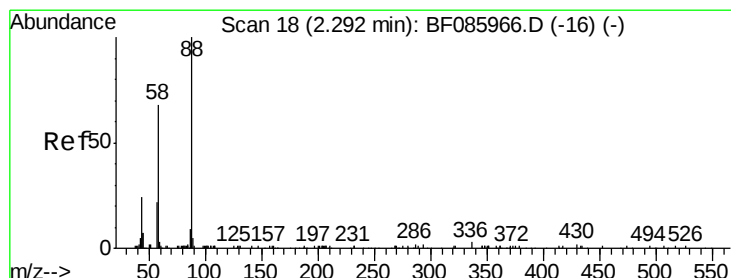
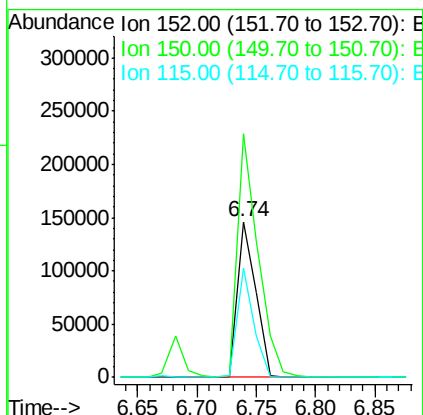
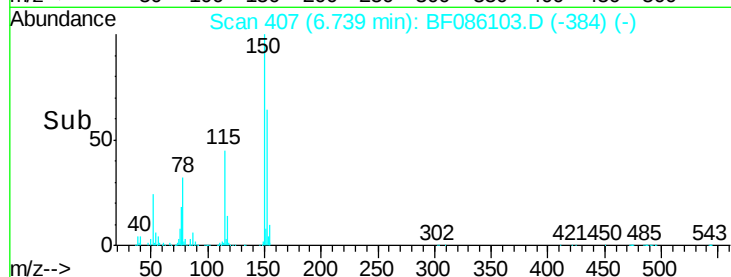
115 70.5 47.0 70.6



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: 23.25 ng

RT: 2.32 min Scan# 20

Delta R.T. 0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

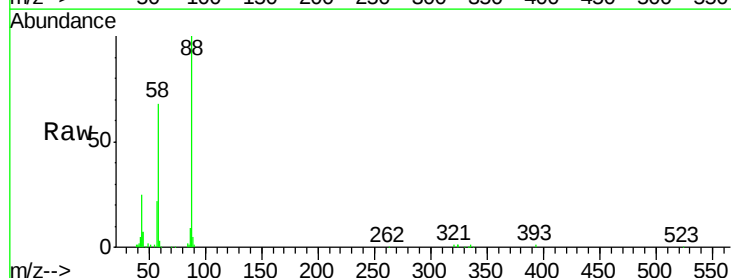
Tgt Ion: 88 Resp: 101752

Ion Ratio Lower Upper

88 100

58 66.3 54.2 81.2

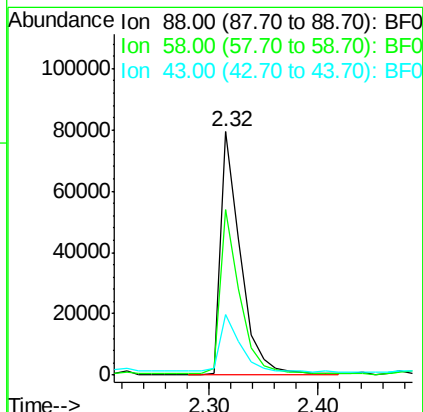
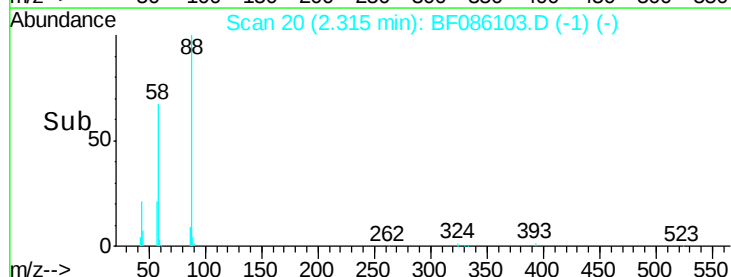
43 23.9 19.3 28.9

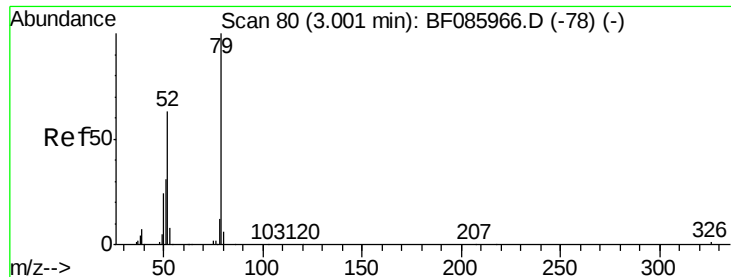


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 27.73 ng

RT: 3.01 min Scan# 81

Delta R.T. 0.01 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

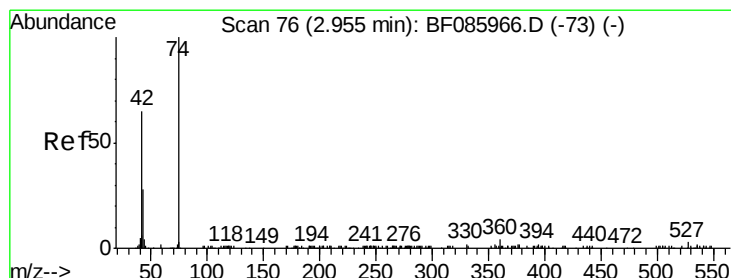
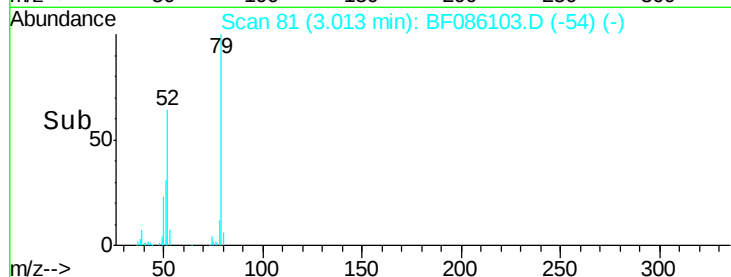
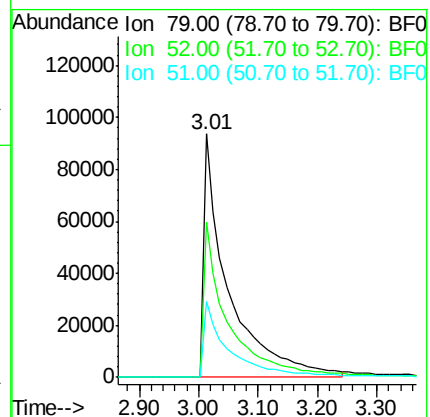
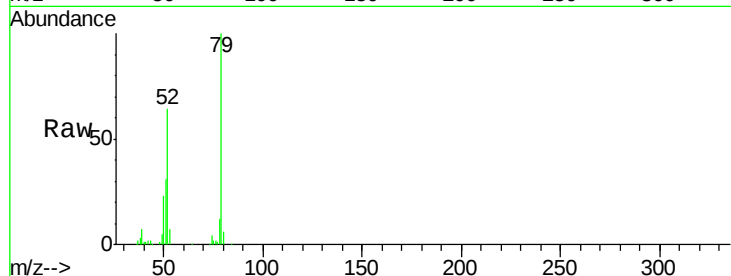
Tgt Ion: 79 Resp: 271696

Ion Ratio Lower Upper

79 100

52 63.5 49.8 74.6

51 30.9 24.7 37.1



#4

n-Nitrosodimethylamine

Concen: 27.27 ng

RT: 2.96 min Scan# 76

Delta R.T. 0.00 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

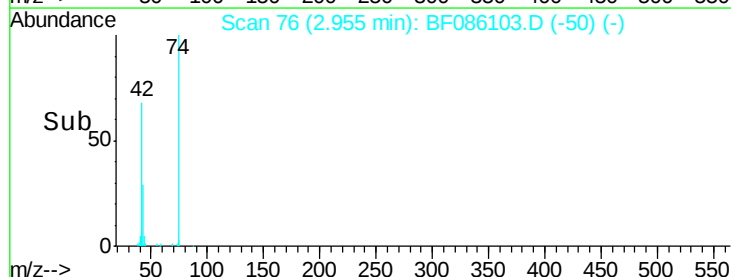
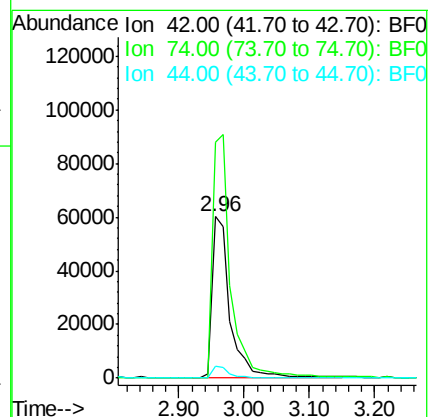
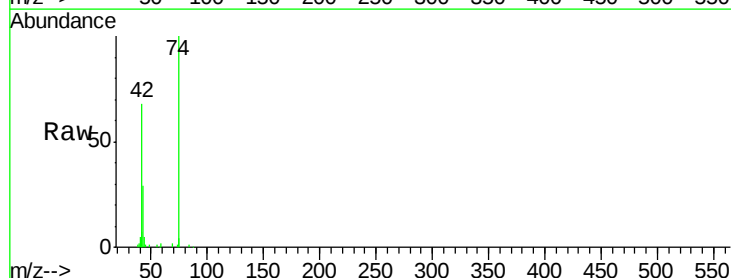
Tgt Ion: 42 Resp: 117490

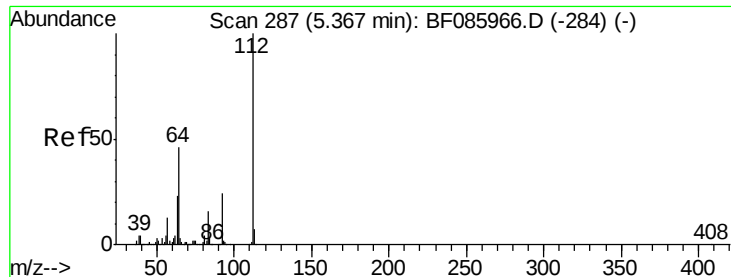
Ion Ratio Lower Upper

42 100

74 146.4 121.4 182.2

44 7.0 5.6 8.4





#5

2-Fluorophenol

Concen: 79.95 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

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ClientSampleId :

SP-14MS

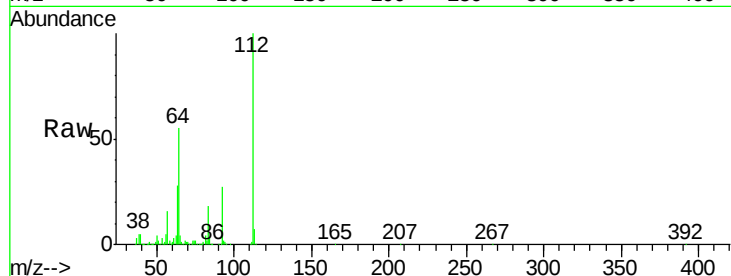
Tgt Ion: 112 Resp: 738055

Ion Ratio Lower Upper

112 100

64 54.7 39.9 59.9

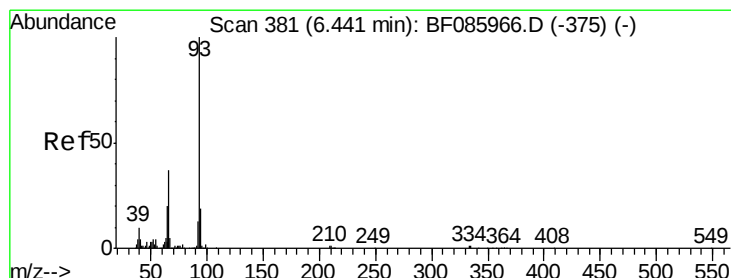
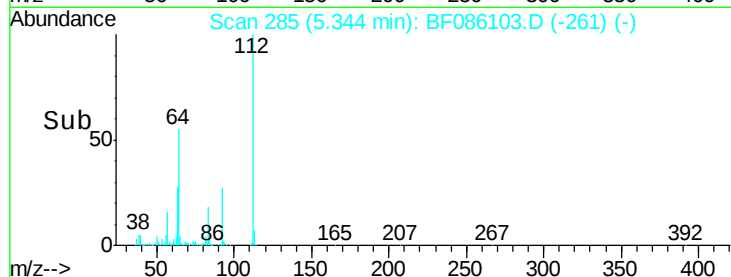
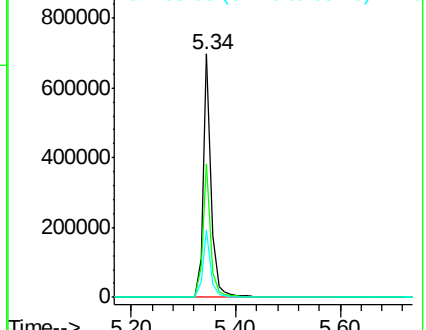
63 27.8 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 10.11 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

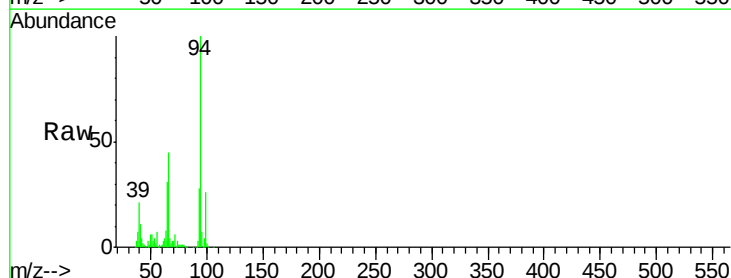
Tgt Ion: 93 Resp: 155471

Ion Ratio Lower Upper

93 100

66 160.4 31.4 47.2#

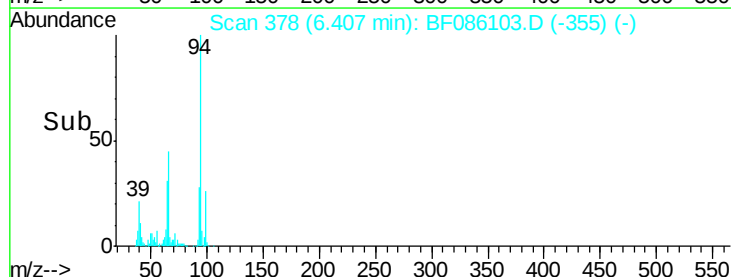
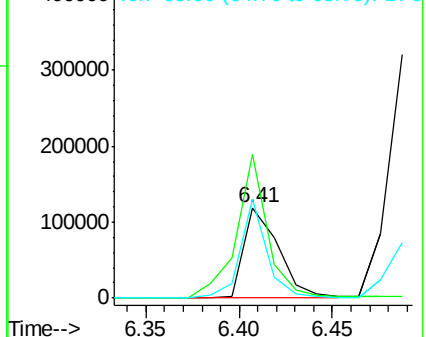
65 109.6 15.7 23.5#

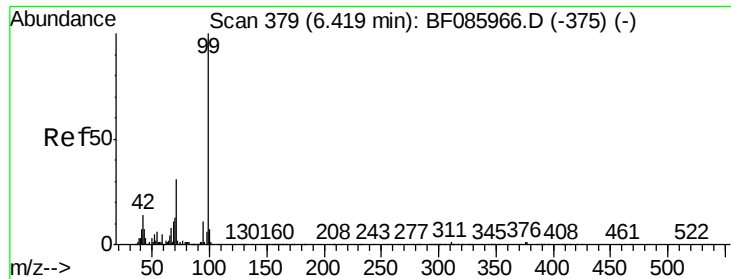


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 79.18 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

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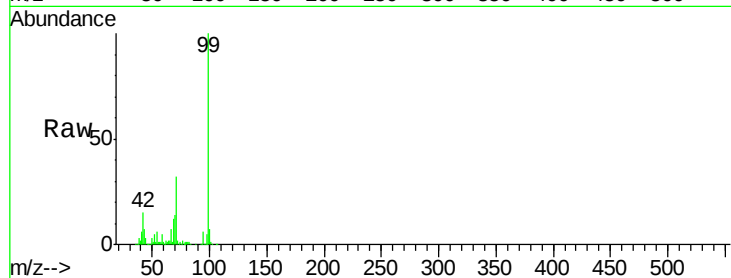
Tgt Ion: 99 Resp: 928429

Ion Ratio Lower Upper

99 100

42 14.5 11.1 16.7

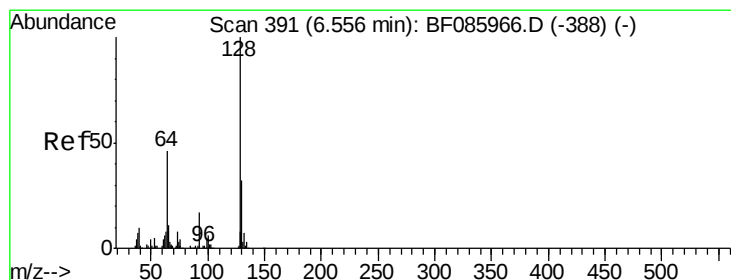
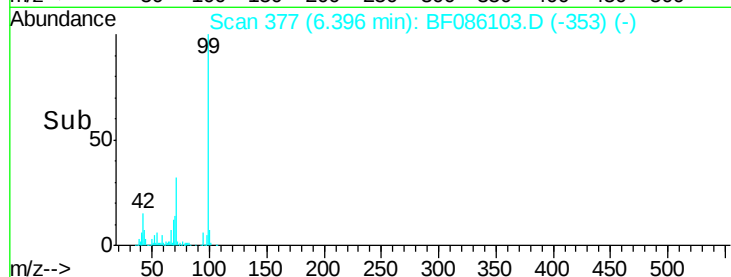
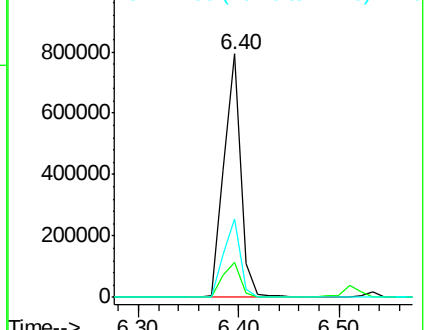
71 32.3 24.9 37.3



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: 27.60 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

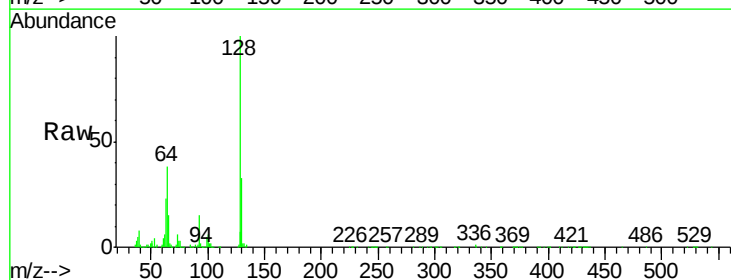
Tgt Ion: 128 Resp: 303857

Ion Ratio Lower Upper

128 100

130 33.3 12.9 52.9

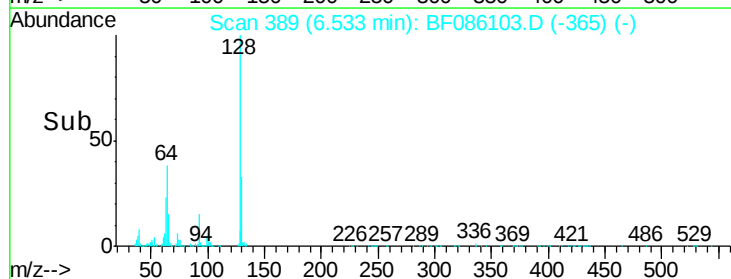
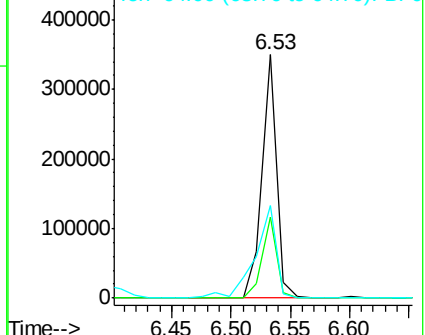
64 37.9 20.2 60.2

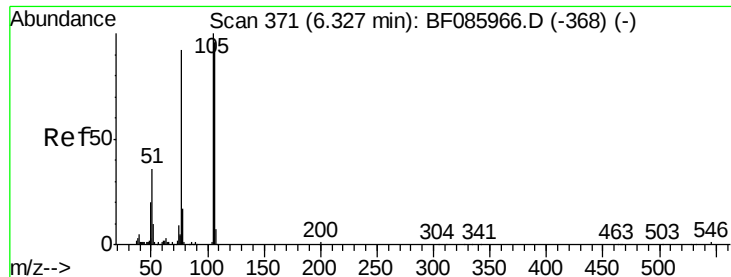


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 17.35 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

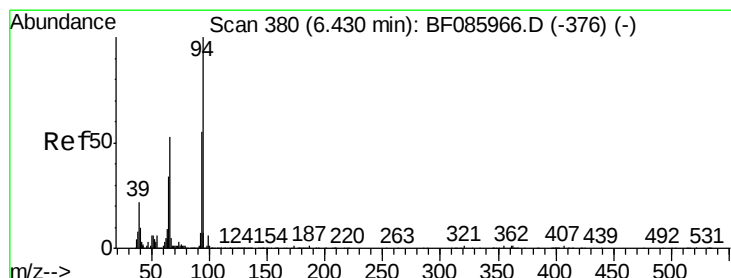
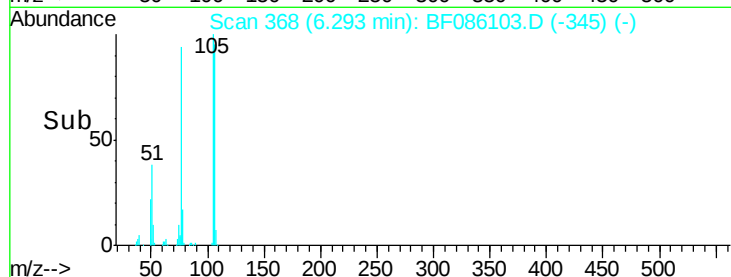
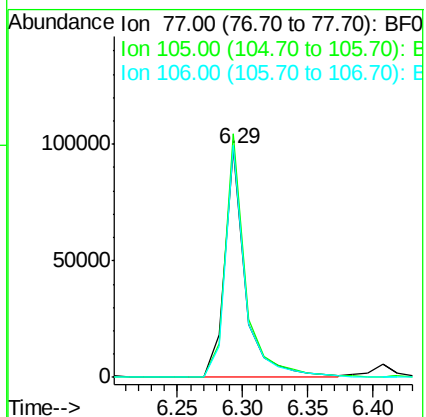
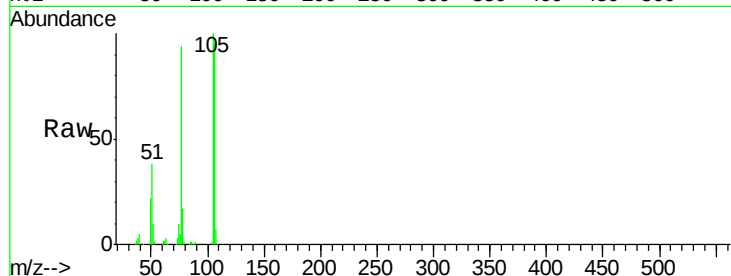
Tgt Ion: 77 Resp: 109462

Ion Ratio Lower Upper

77 100

105 106.7 80.1 120.1

106 101.8 75.0 115.0



#10

Phenol

Concen: 28.42 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

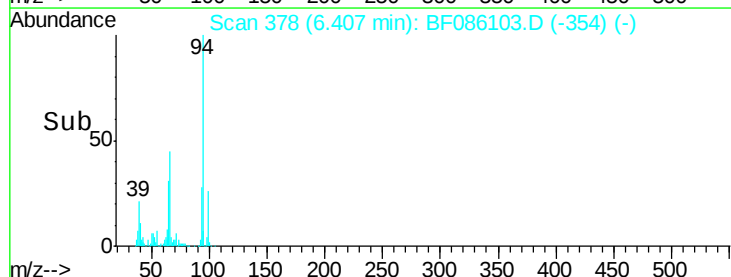
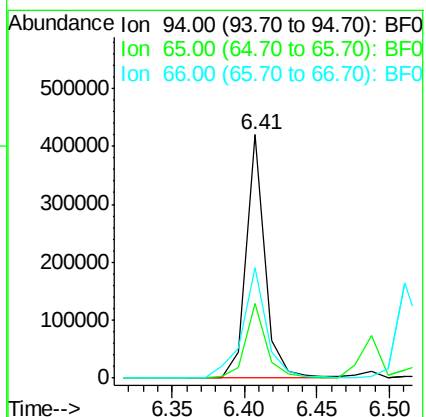
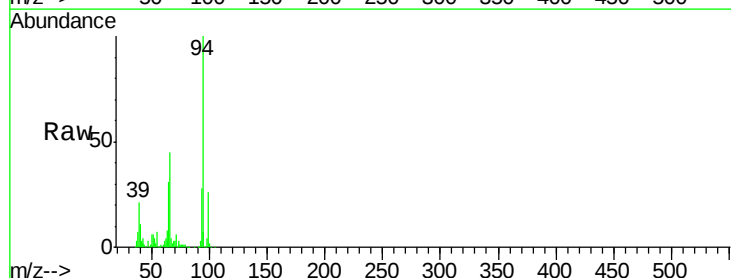
Tgt Ion: 94 Resp: 380093

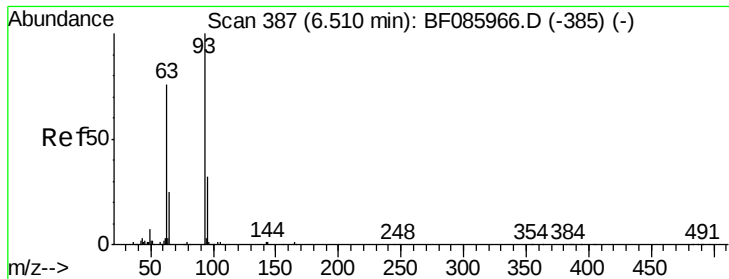
Ion Ratio Lower Upper

94 100

65 30.9 8.6 48.6

66 45.2 20.0 60.0

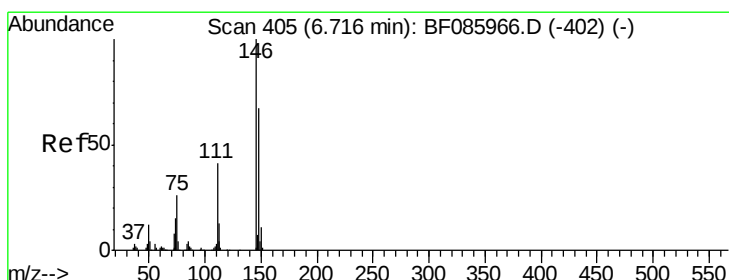
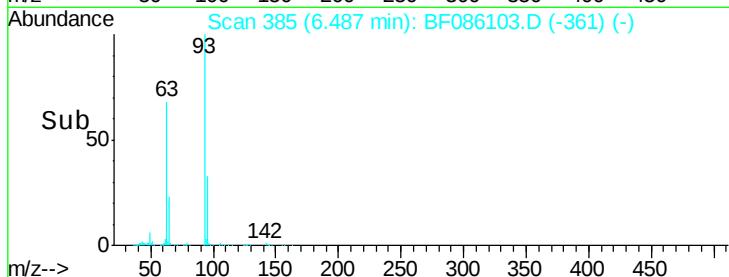
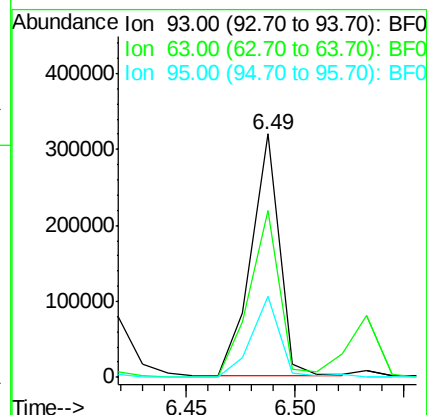
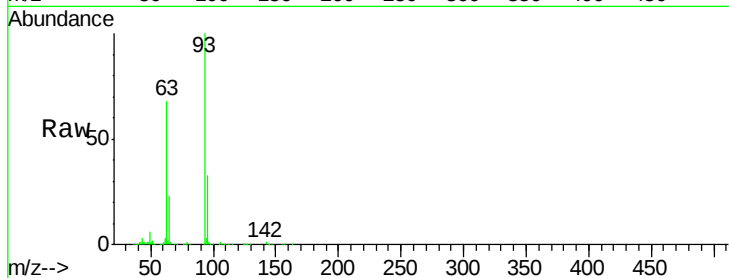




#11  
bis(2-Chloroethyl)ether  
Concen: 27.07 ng  
RT: 6.49 min Scan# 385  
Delta R.T. -0.02 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

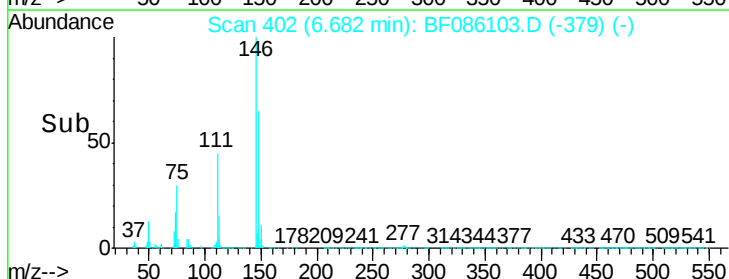
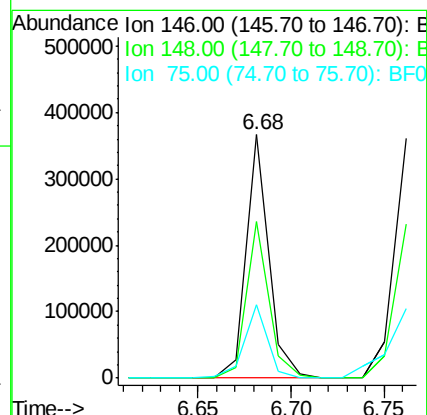
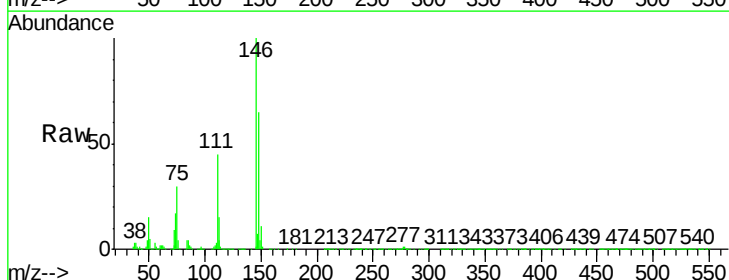
Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

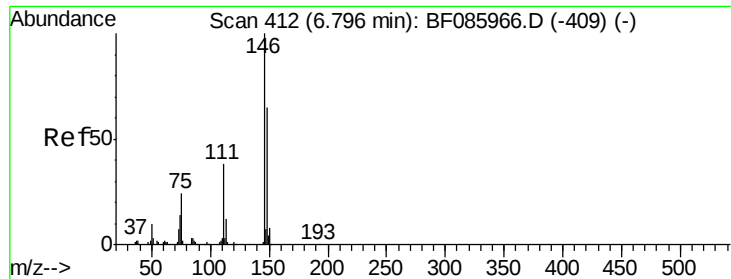
Tgt Ion: 93 Resp: 286676  
Ion Ratio Lower Upper  
93 100  
63 68.3 50.9 90.9  
95 33.2 13.3 53.3



#12  
1,3-Dichlorobenzene  
Concen: 26.65 ng  
RT: 6.68 min Scan# 402  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Tgt Ion: 146 Resp: 310917  
Ion Ratio Lower Upper  
146 100  
148 64.6 52.3 78.5  
75 30.0 17.4 26.2#





#13

1,4-Dichlorobenzene

Concen: 26.67 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.03 min

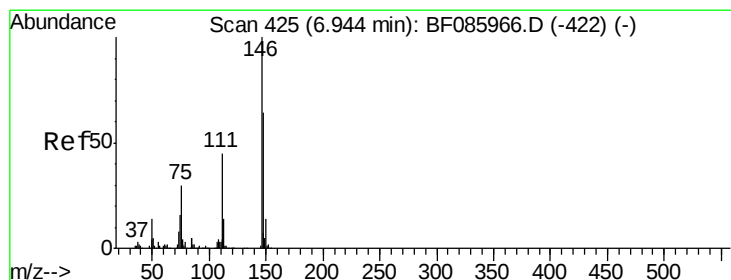
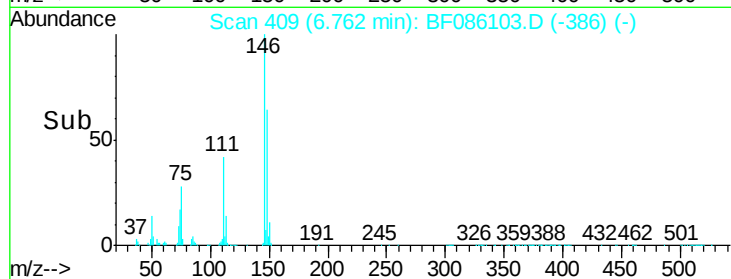
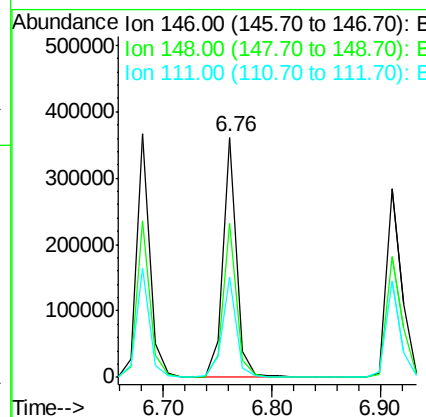
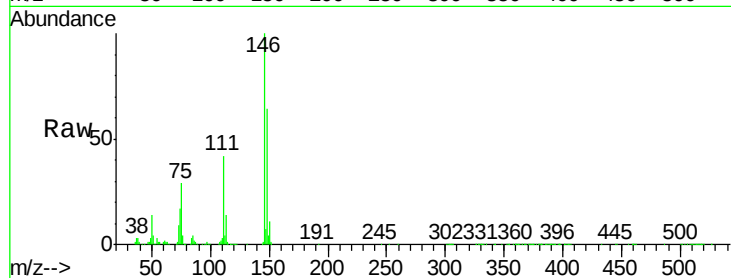
Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

Tgt Ion:146 Resp: 320550

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 64.0  | 50.6  | 76.0  |
| 111 | 41.8  | 37.8  | 56.6  |



#14

1,2-Dichlorobenzene

Concen: 25.40 ng

RT: 6.91 min Scan# 422

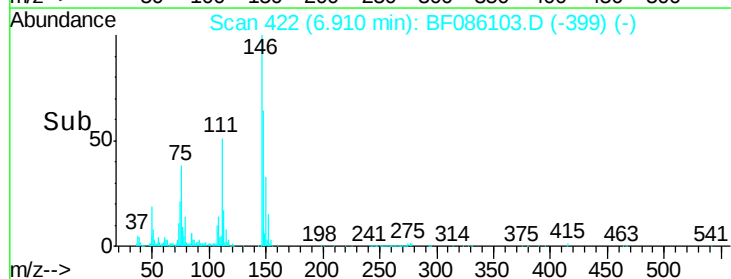
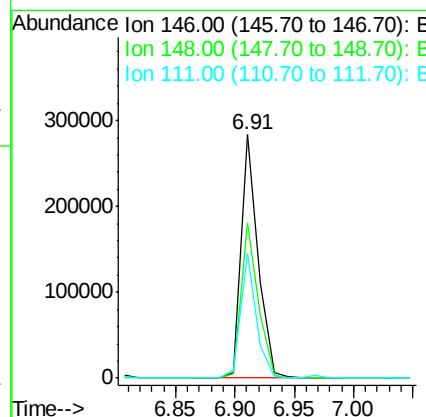
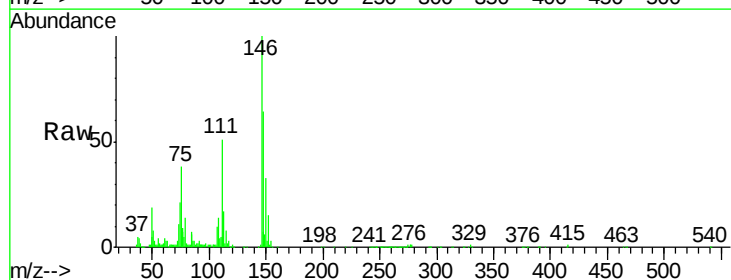
Delta R.T. -0.03 min

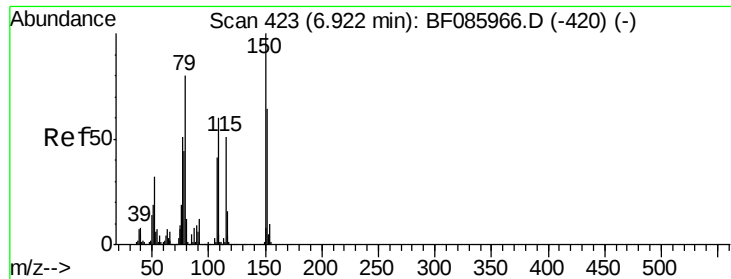
Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Tgt Ion:146 Resp: 281018

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 63.8  | 51.4  | 77.2  |
| 111 | 51.0  | 34.6  | 52.0  |





#15

Benzyl Alcohol

Concen: 28.71 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

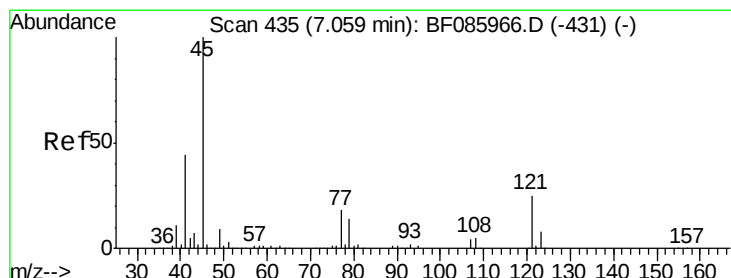
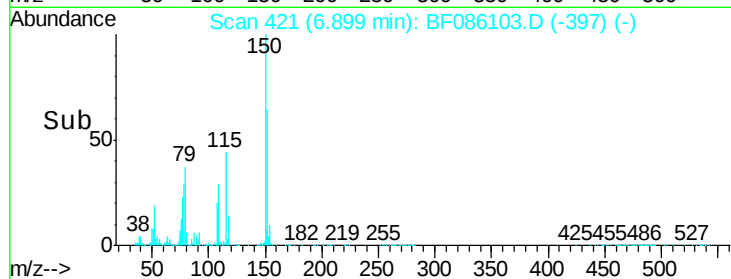
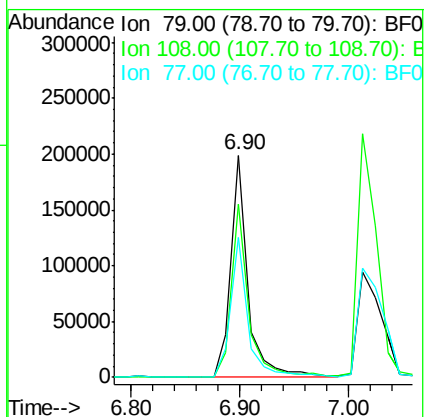
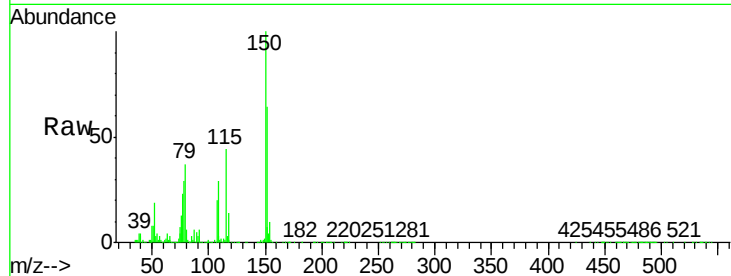
Tgt Ion: 79 Resp: 217775

Ion Ratio Lower Upper

79 100

108 78.3 61.8 92.6

77 62.8 49.6 74.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 26.14 ng

RT: 7.02 min Scan# 432

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

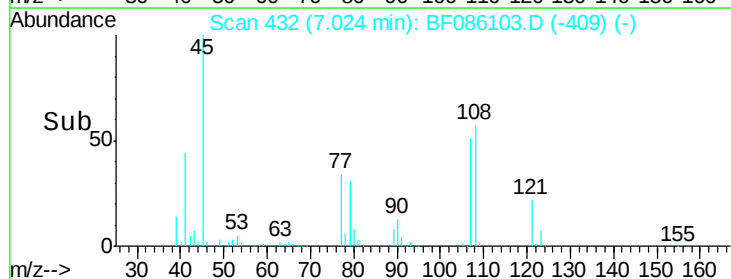
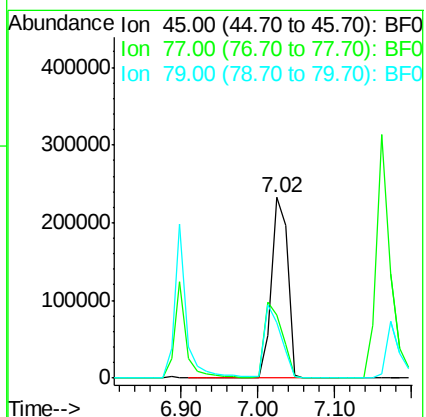
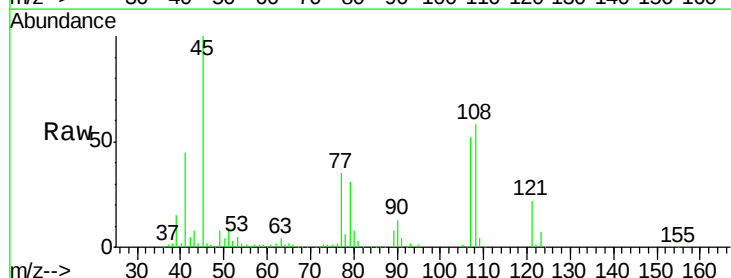
Tgt Ion: 45 Resp: 338206

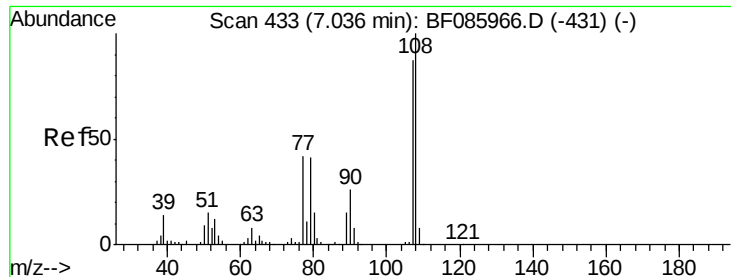
Ion Ratio Lower Upper

45 100

77 34.8 0.0 35.7

79 30.8 0.0 32.2

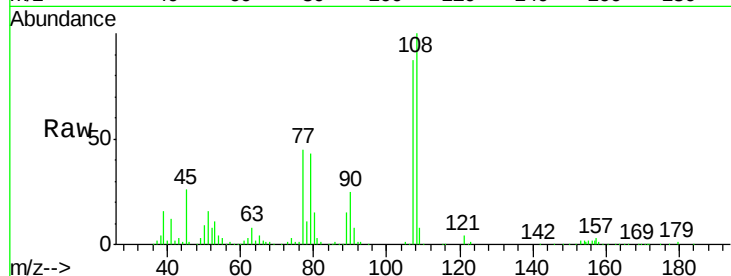




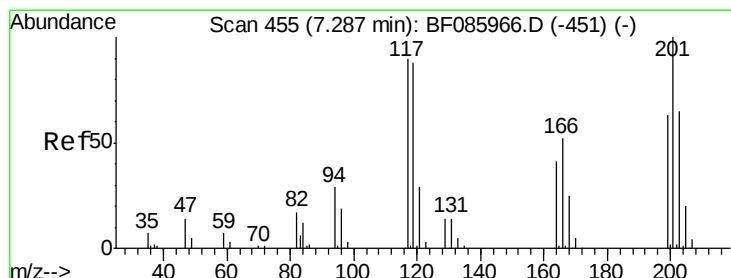
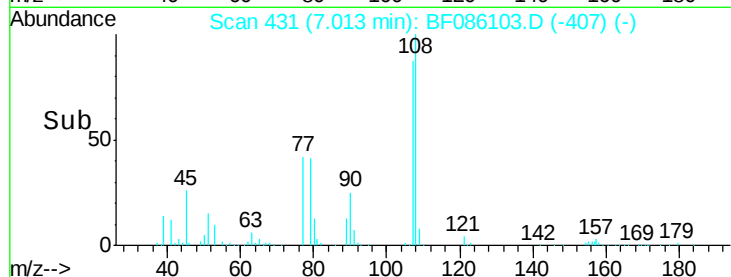
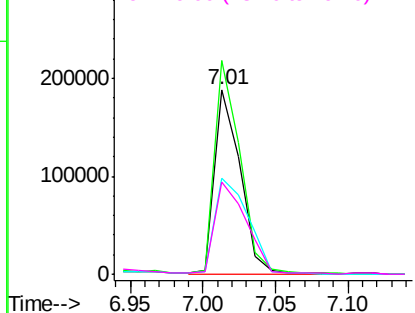
#17  
2-Methylphenol  
Concen: 26.47 ng  
RT: 7.01 min Scan# 431  
Delta R.T. -0.02 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 229766 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 115.6 | 91.4  | 137.0  |
| 77       | 51.7  | 36.2  | 54.2   |
| 79       | 49.9  | 35.8  | 53.8   |

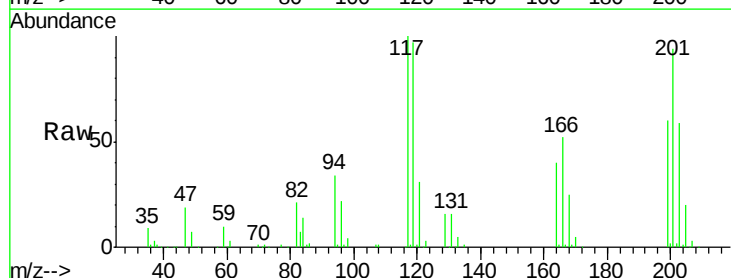


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

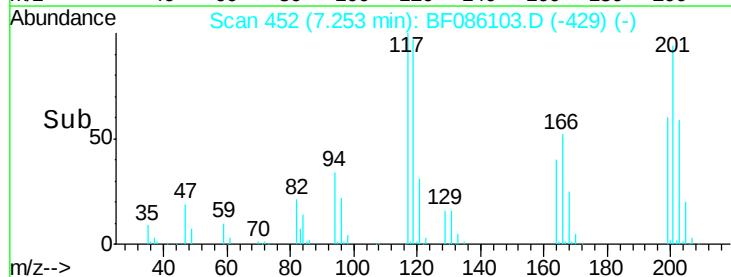
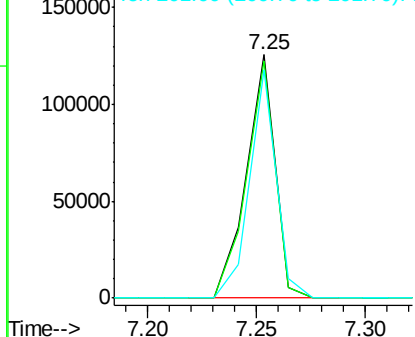


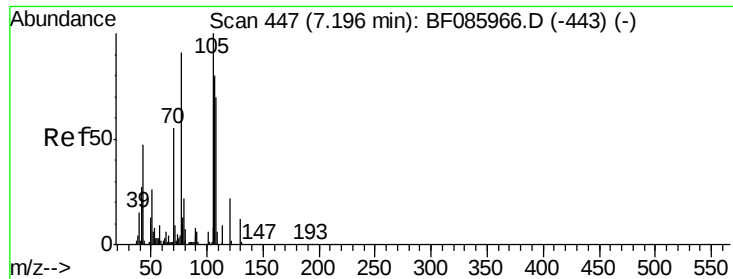
#18  
Hexachloroethane  
Concen: 26.03 ng  
RT: 7.25 min Scan# 452  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 115071 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.2  | 76.7  | 115.1  |
| 201      | 94.0  | 83.3  | 124.9  |



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

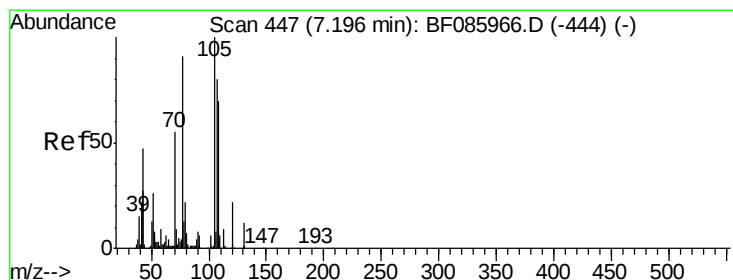
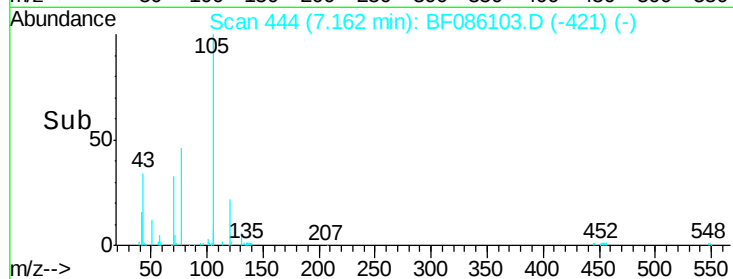
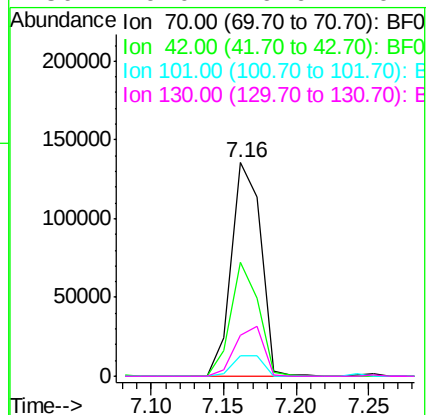
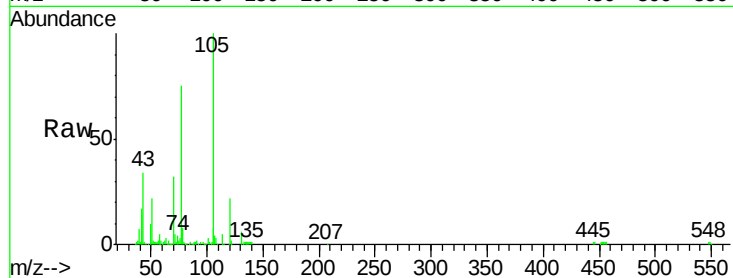




#19  
n-Nitroso-di-n-propylamine  
Concen: 26.31 ng  
RT: 7.16 min Scan# 444  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

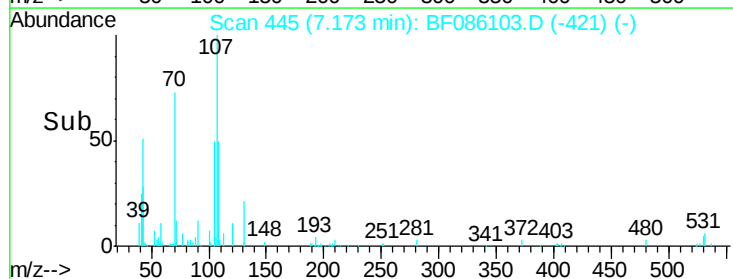
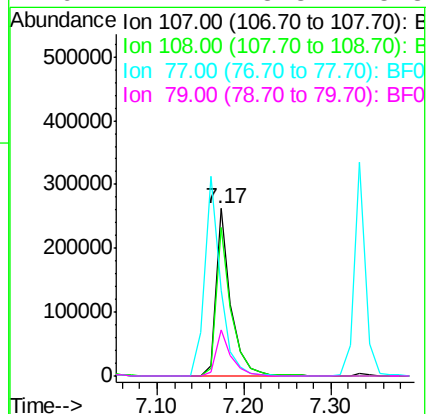
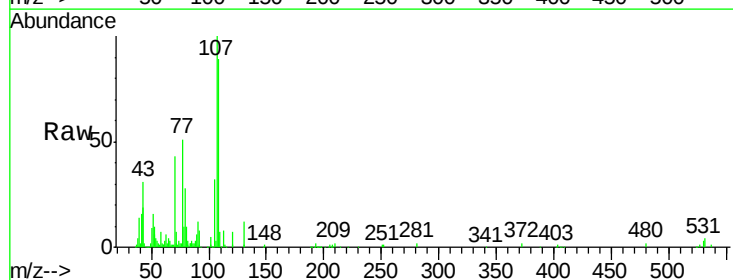
Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

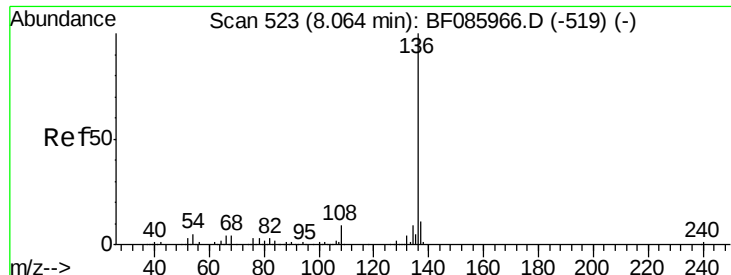
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 53.4  | 37.1  | 55.7  |
| 101     | 9.6   | 8.6   | 12.8  |
| 130     | 19.0  | 19.6  | 29.4  |



#20  
3+4-Methylphenols  
Concen: 29.36 ng  
RT: 7.17 min Scan# 445  
Delta R.T. -0.02 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 88.9  | 69.3  | 109.3 |
| 77      | 51.4  | 101.7 | 141.7 |
| 79      | 27.7  | 8.3   | 48.3  |

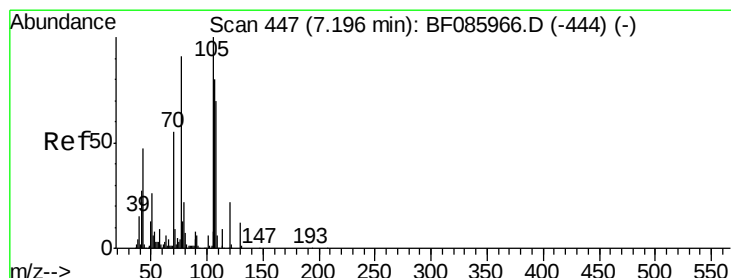
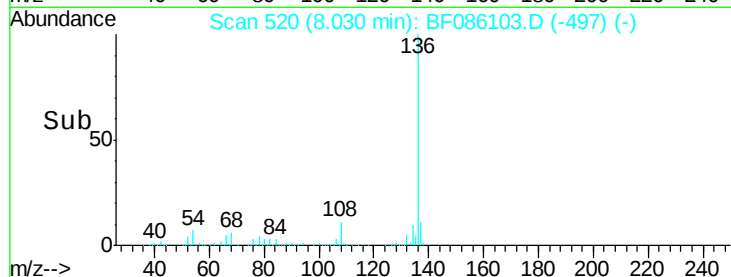
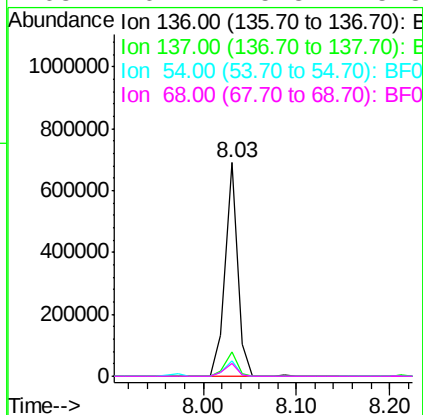
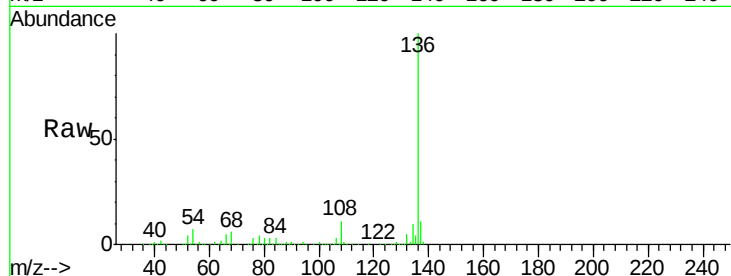




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.03 min Scan# 520  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

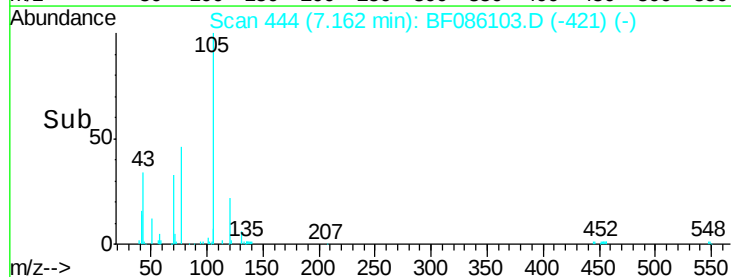
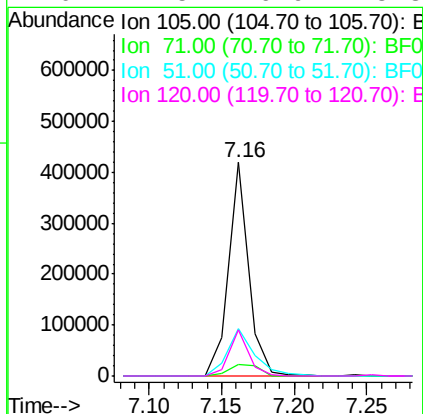
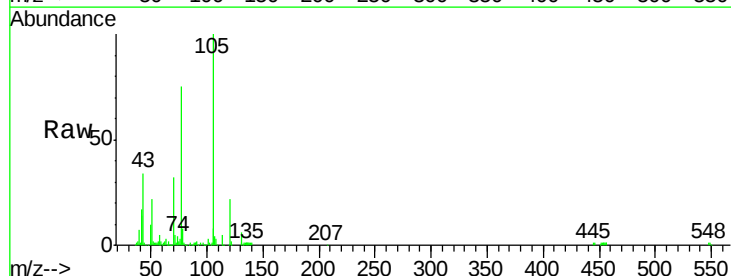
Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

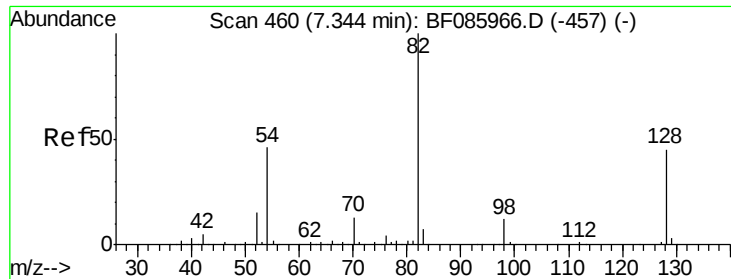
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 640902 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 9.1   | 13.7   |
| 54       | 7.4   | 7.4   | 11.0   |
| 68       | 6.1   | 5.8   | 8.8    |



#22  
Acetophenone  
Concen: 26.96 ng  
RT: 7.16 min Scan# 444  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 406173 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 5.4   | 3.6   | 5.4#   |
| 51       | 22.1  | 25.4  | 38.0#  |
| 120      | 21.5  | 16.9  | 25.3   |

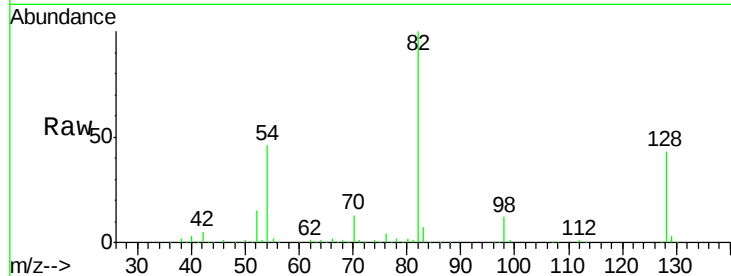




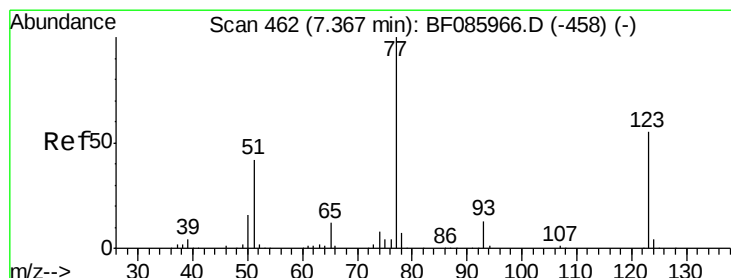
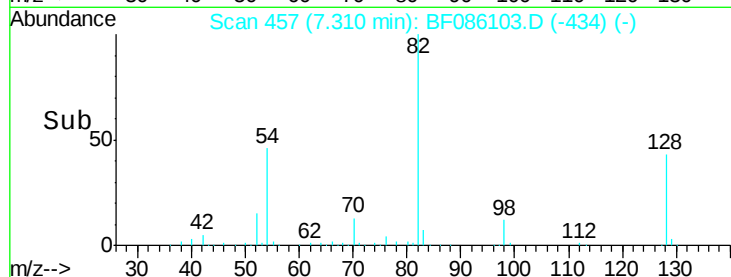
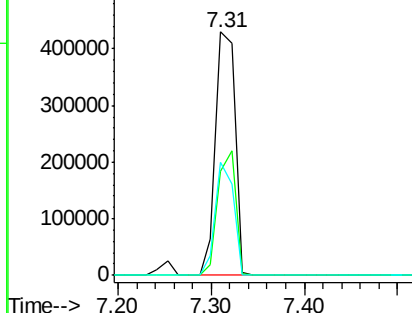
#23  
 Nitrobenzene-d5  
 Concen: 57.76 ng  
 RT: 7.31 min Scan# 457  
 Delta R.T. -0.03 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-14MS

Tgt Ion: 82 Resp: 627740  
 Ion Ratio Lower Upper  
 82 100  
 128 42.5 41.8 62.8  
 54 46.4 33.4 50.0

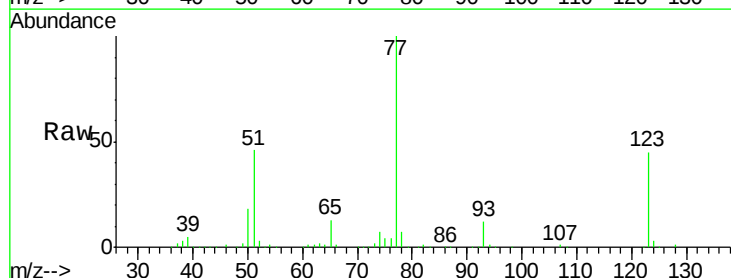


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

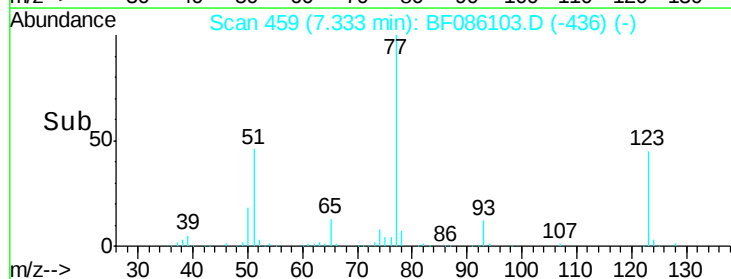
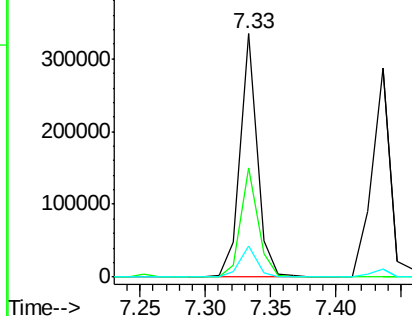


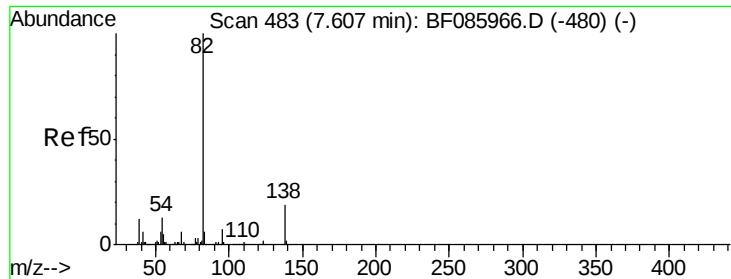
#24  
 Nitrobenzene  
 Concen: 25.34 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.03 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

Tgt Ion: 77 Resp: 301275  
 Ion Ratio Lower Upper  
 77 100  
 123 44.8 35.0 52.4  
 65 12.8 10.6 16.0



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: 26.19 ng

RT: 7.57 min Scan# 480

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

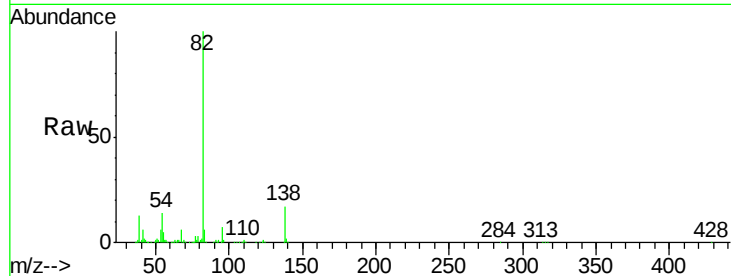
Tgt Ion: 82 Resp: 561862

Ion Ratio Lower Upper

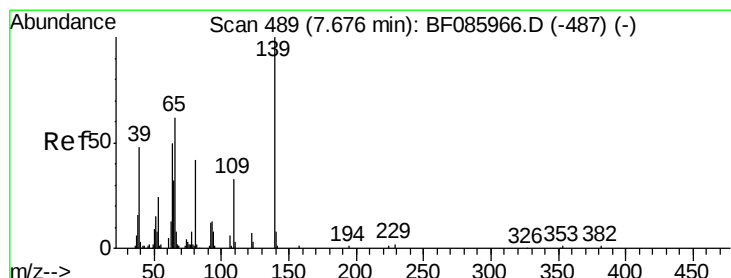
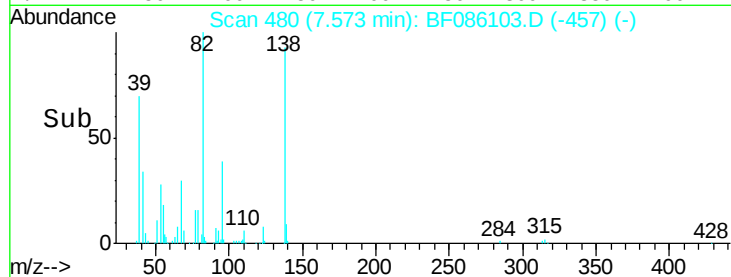
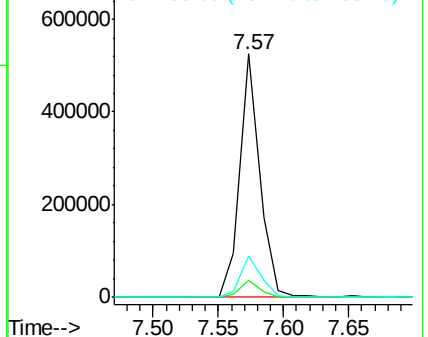
82 100

95 7.0 5.4 8.2

138 16.8 12.9 19.3



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 28.49 ng

RT: 7.65 min Scan# 487

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

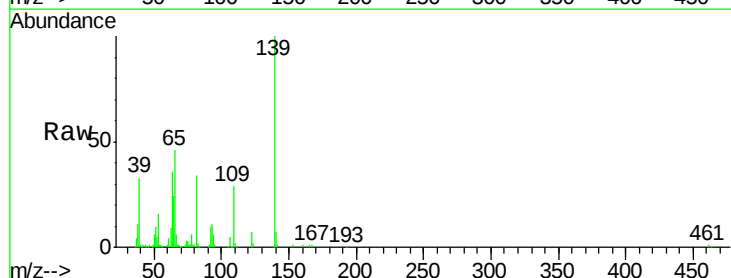
Tgt Ion: 139 Resp: 162064

Ion Ratio Lower Upper

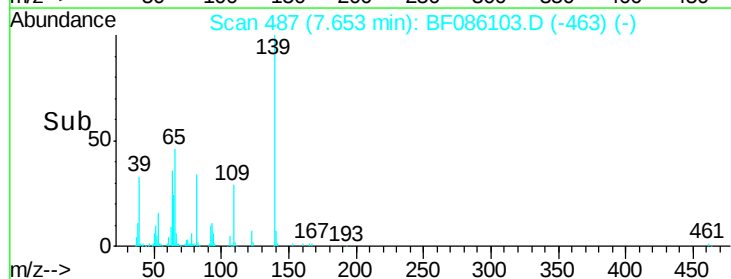
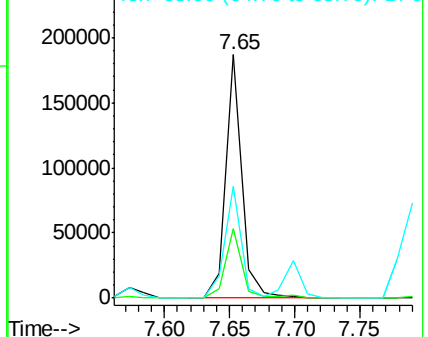
139 100

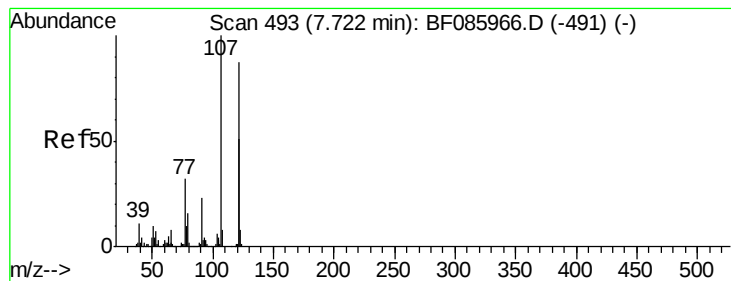
109 28.6 22.1 33.1

65 45.7 33.9 50.9



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

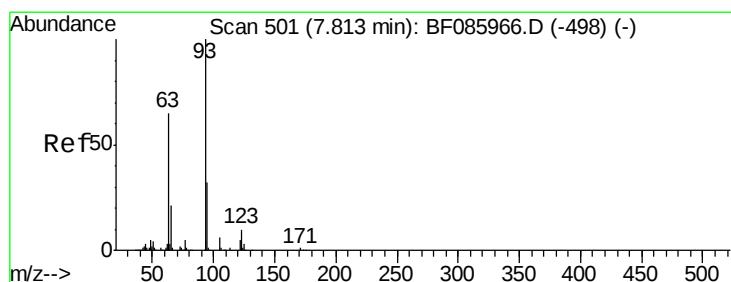
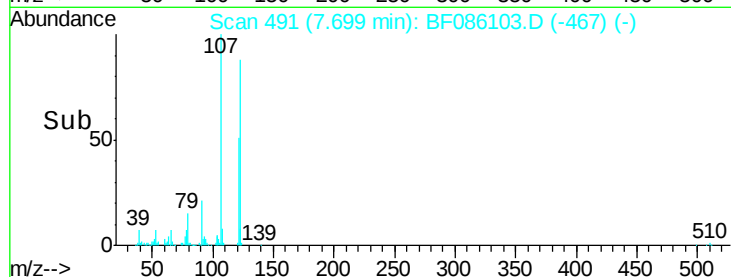
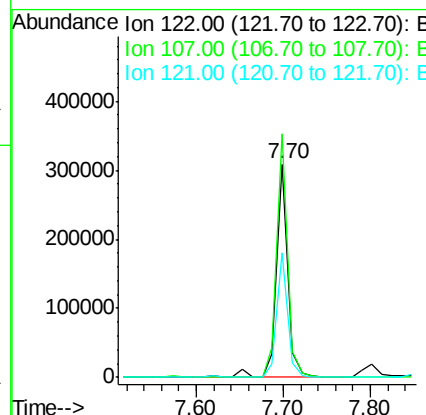
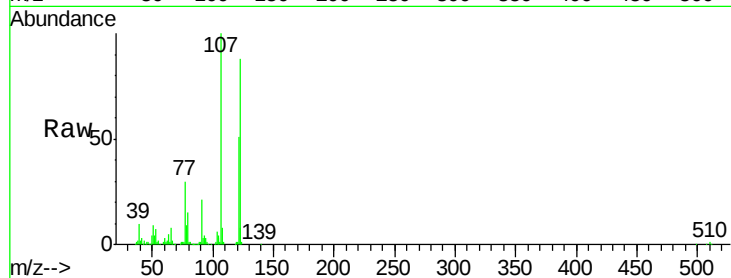




#27  
 2,4-Dimethylphenol  
 Concen: 27.35 ng  
 RT: 7.70 min Scan# 491  
 Delta R.T. -0.02 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

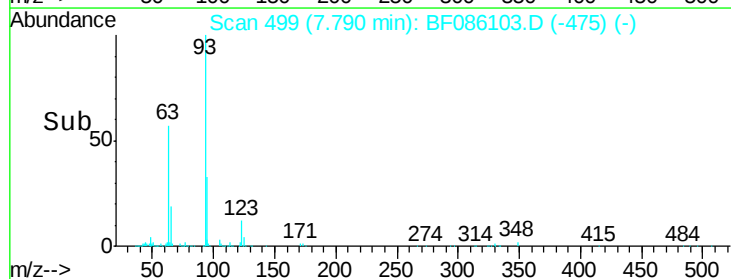
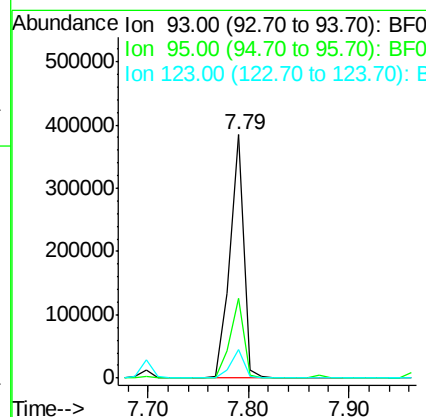
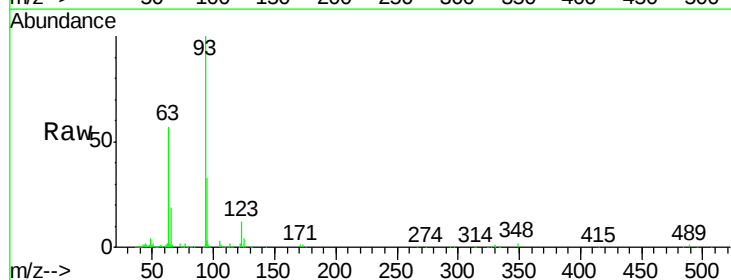
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-14MS

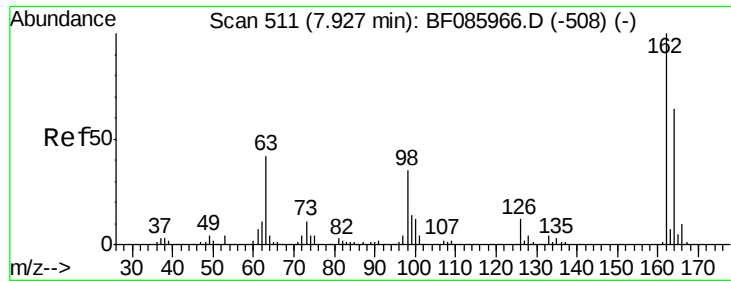
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 114.3 | 93.0  | 139.6 |
| 121     | 58.4  | 45.9  | 68.9  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 29.30 ng  
 RT: 7.79 min Scan# 499  
 Delta R.T. -0.02 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.7  | 26.4  | 39.6  |
| 123     | 11.5  | 9.8   | 14.6  |

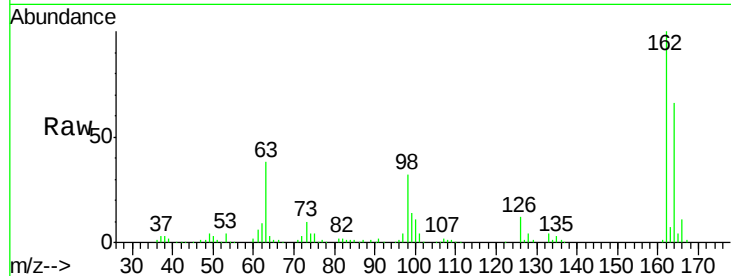




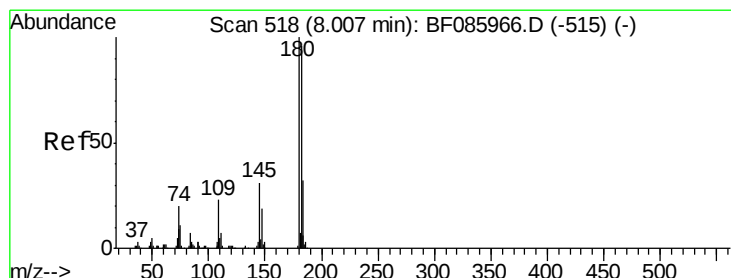
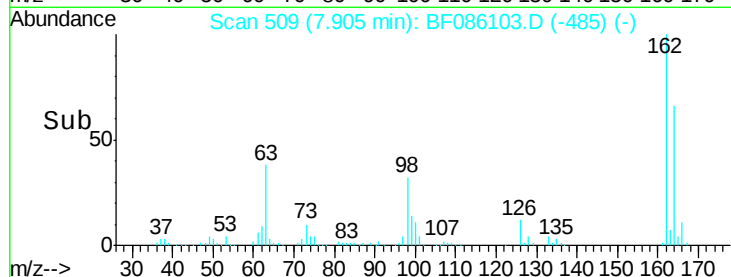
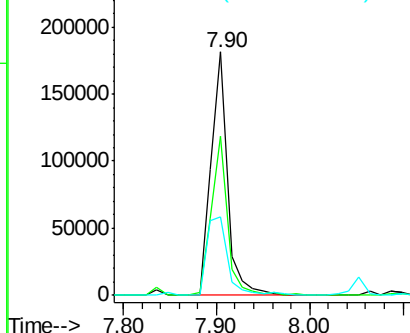
#29  
2,4-Dichlorophenol  
Concen: 25.92 ng  
RT: 7.90 min Scan# 509  
Delta R.T. -0.02 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

Tgt Ion:162 Resp: 223852  
Ion Ratio Lower Upper  
162 100  
164 65.6 43.7 83.7  
98 32.2 20.4 60.4

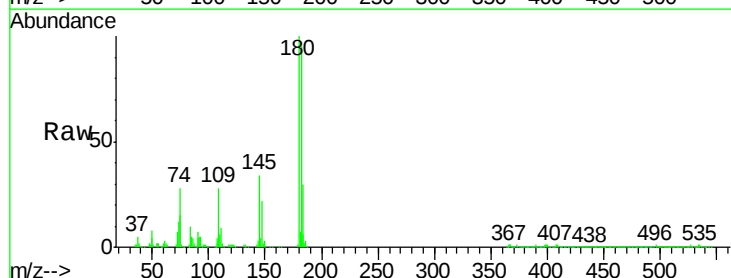


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF0

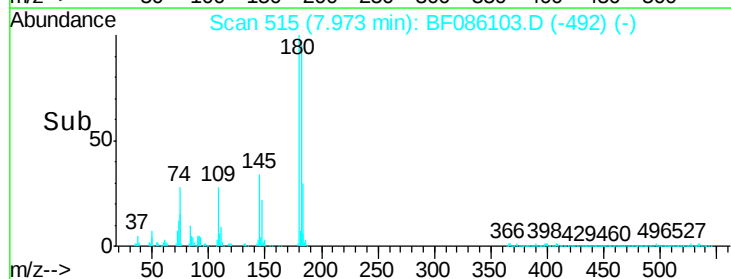
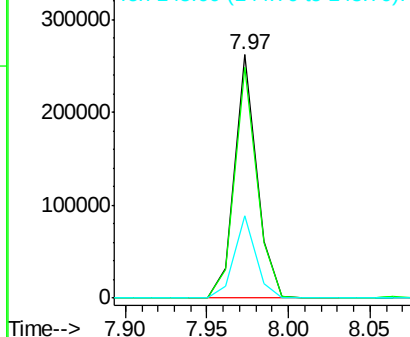


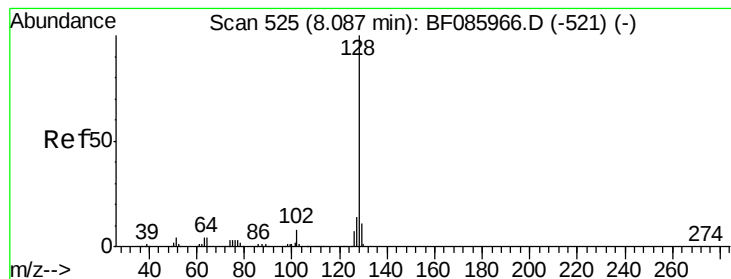
#30  
1,2,4-Trichlorobenzene  
Concen: 25.29 ng  
RT: 7.97 min Scan# 515  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Tgt Ion:180 Resp: 245179  
Ion Ratio Lower Upper  
180 100  
182 94.9 73.8 110.8  
145 34.0 28.4 42.6



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





#31

Naphthalene

Concen: 26.57 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

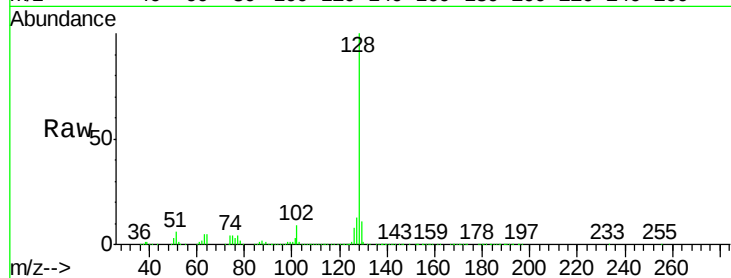
Tgt Ion:128 Resp: 856694

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.0

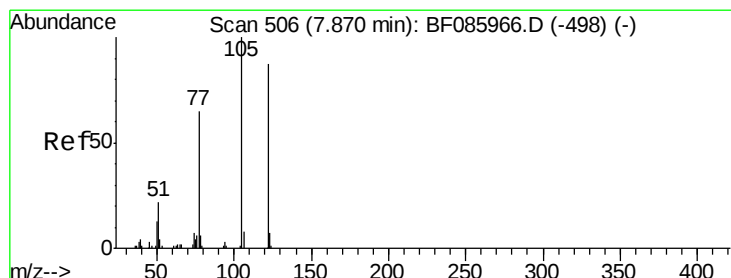
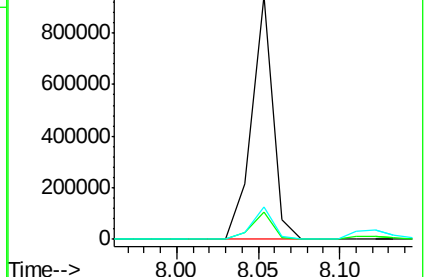
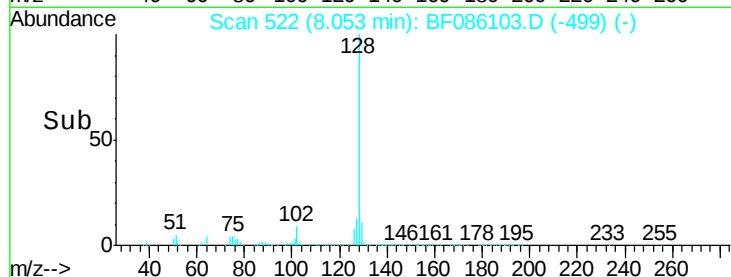
127 13.5 11.0 16.6



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: 3.96 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.07 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

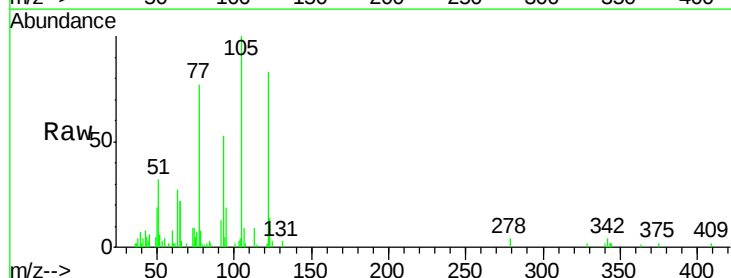
Tgt Ion:122 Resp: 29716

Ion Ratio Lower Upper

122 100

105 120.1 102.9 142.9

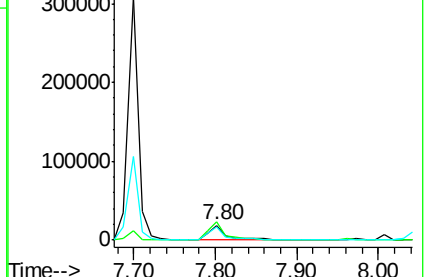
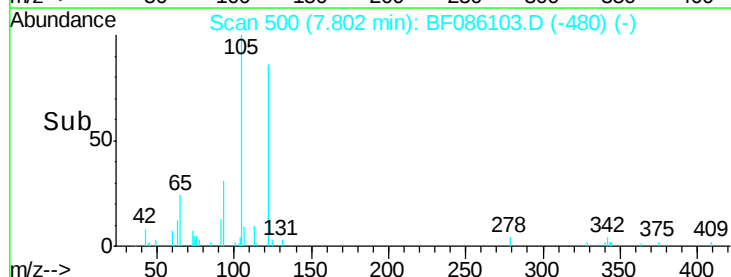
77 92.6 71.8 111.8

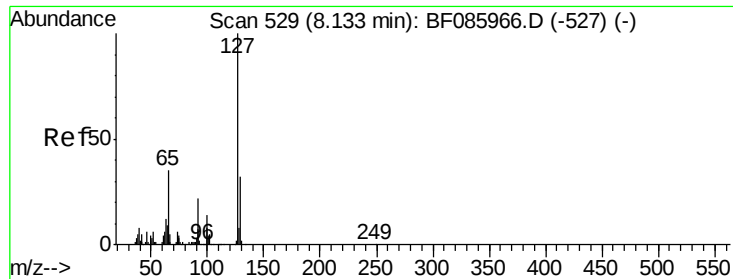


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

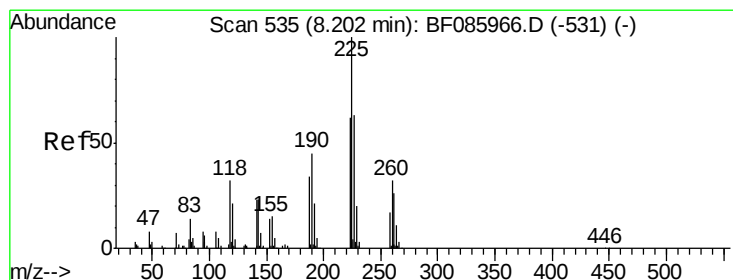
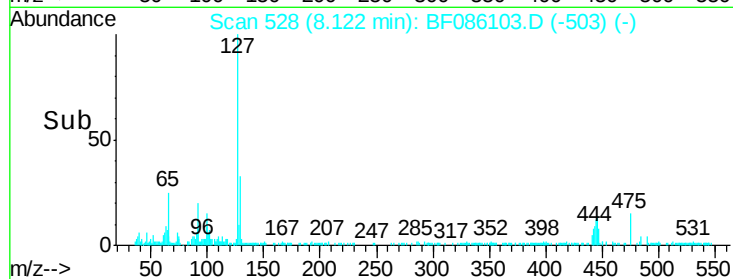
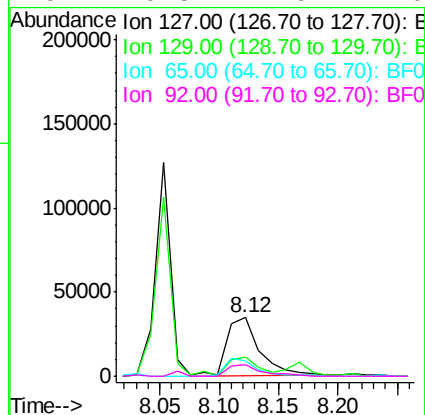
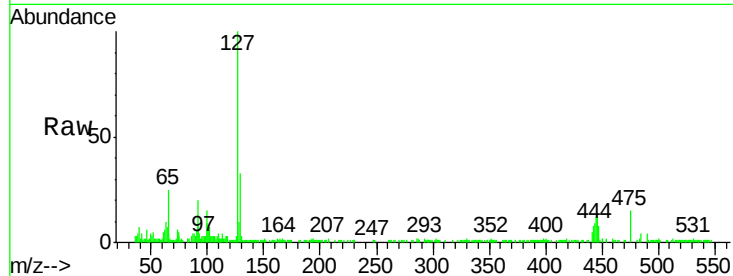




#33  
4-Chloroaniline  
Concen: 5.09 ng  
RT: 8.12 min Scan# 528  
Delta R.T. -0.01 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

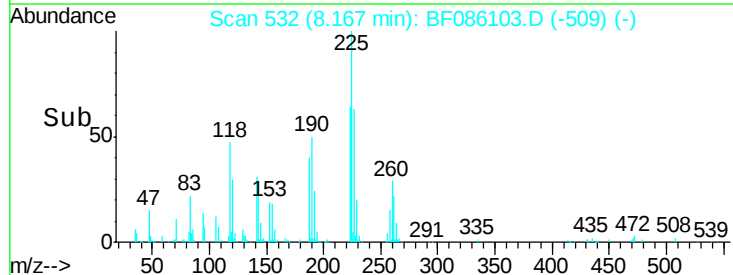
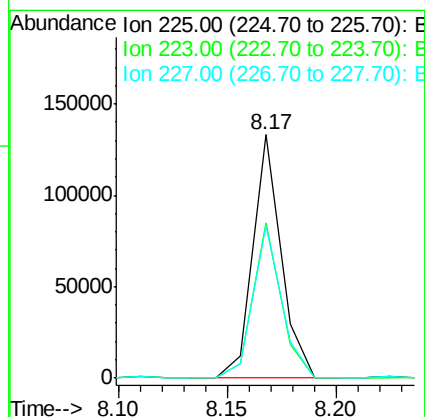
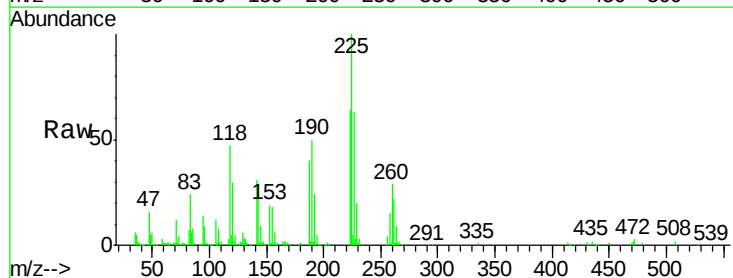
Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

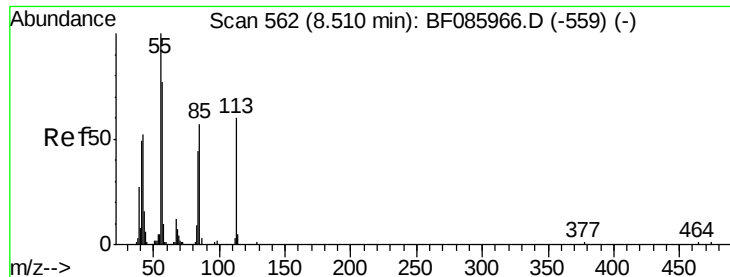
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 66341 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 33.2  | 26.1  | 39.1  |
| 65       | 25.3  | 19.5  | 29.3  |
| 92       | 19.5  | 14.6  | 22.0  |



#34  
Hexachlorobutadiene  
Concen: 23.13 ng  
RT: 8.17 min Scan# 532  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 120591 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.0  | 50.4  | 75.6   |
| 227      | 62.6  | 51.4  | 77.2   |

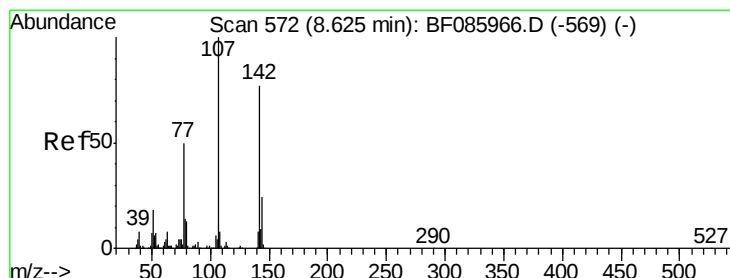
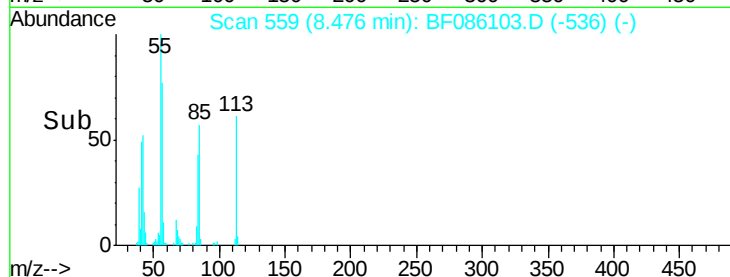
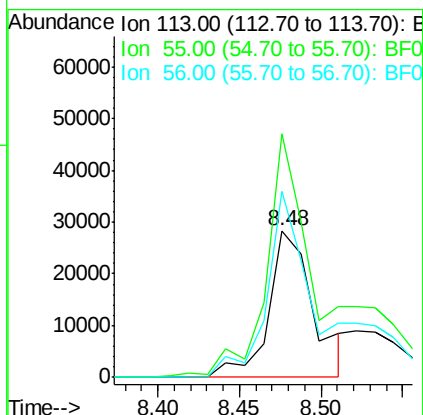
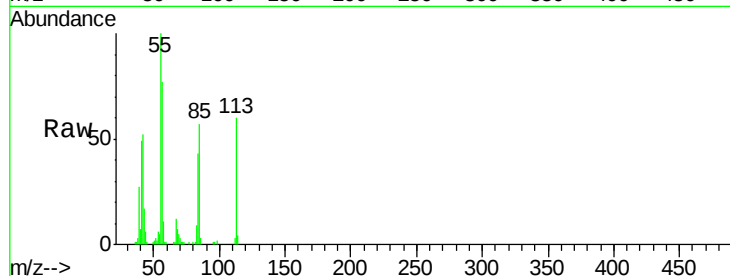




#35  
 Caprolactam  
 Concen: 19.81 ng  
 RT: 8.48 min Scan# 559  
 Delta R.T. -0.03 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

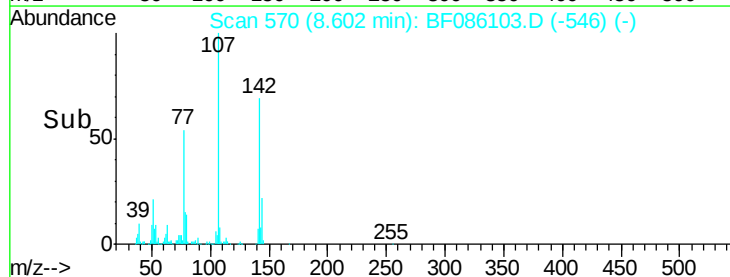
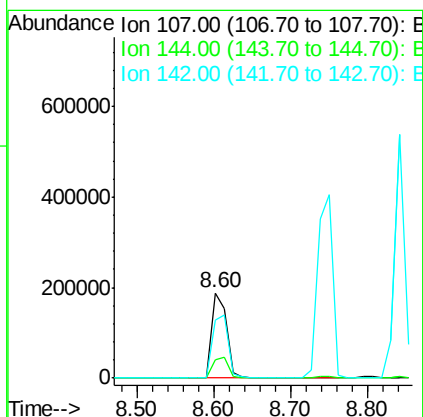
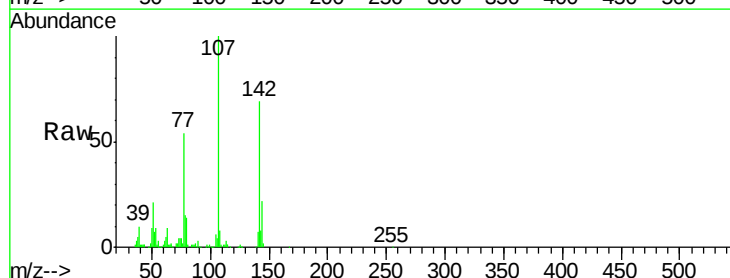
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-14MS

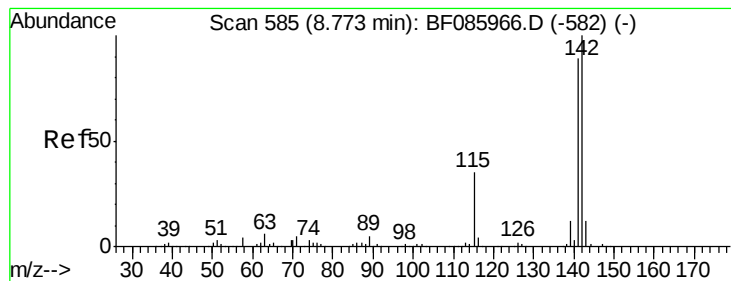
Tgt Ion:113 Resp: 54294  
 Ion Ratio Lower Upper  
 113 100  
 55 166.3 139.4 179.4  
 56 127.4 100.4 140.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 25.74 ng  
 RT: 8.60 min Scan# 570  
 Delta R.T. -0.02 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

Tgt Ion:107 Resp: 249902  
 Ion Ratio Lower Upper  
 107 100  
 144 21.6 19.3 28.9  
 142 68.6 61.4 92.0





#37

2-Methylnaphthalene

Concen: 25.52 ng

RT: 8.75 min Scan# 583

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

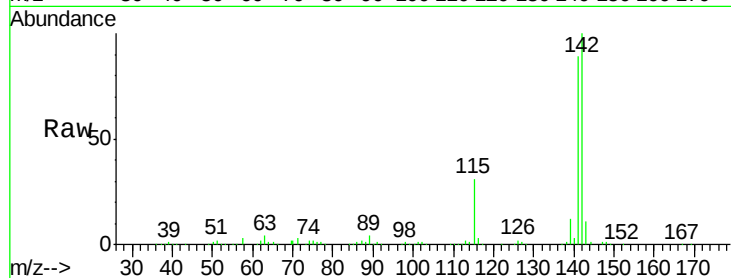
Tgt Ion:142 Resp: 537391

Ion Ratio Lower Upper

142 100

141 89.3 71.6 107.4

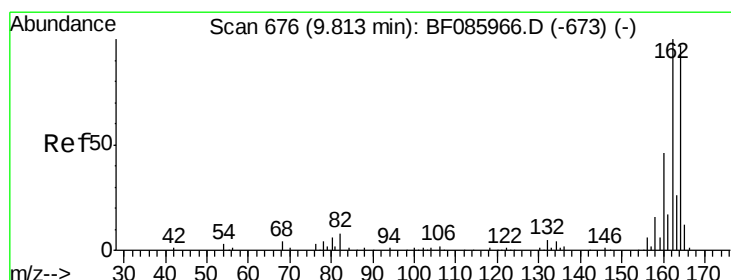
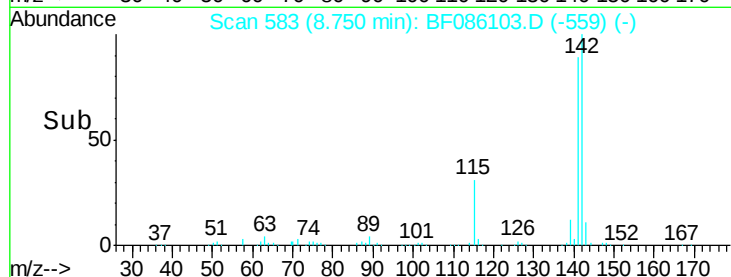
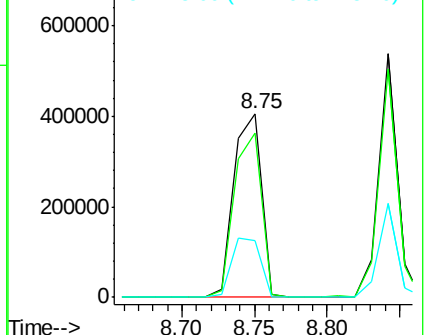
115 30.9 26.8 40.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

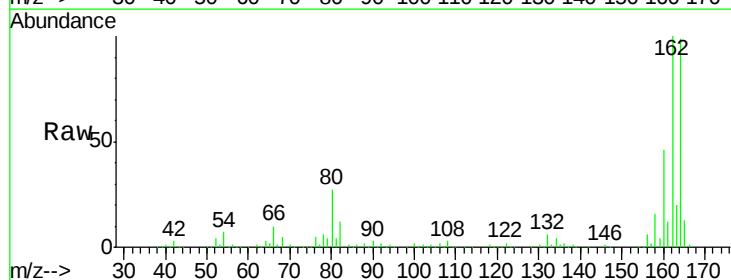
Tgt Ion:164 Resp: 279992

Ion Ratio Lower Upper

164 100

162 100.7 82.1 123.1

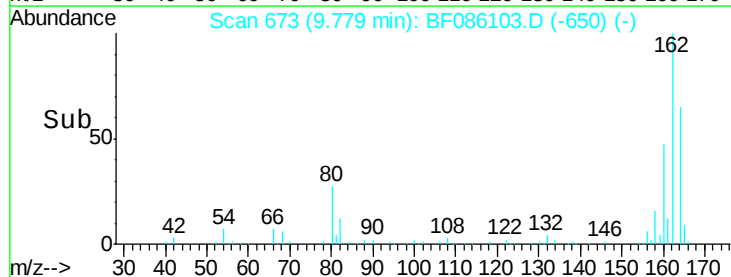
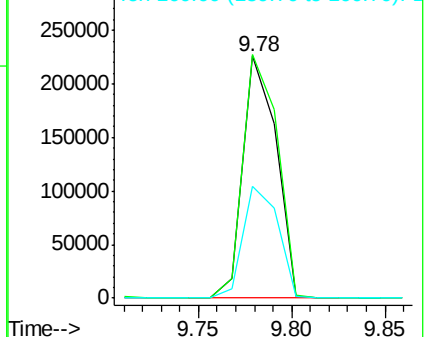
160 46.3 37.4 56.2

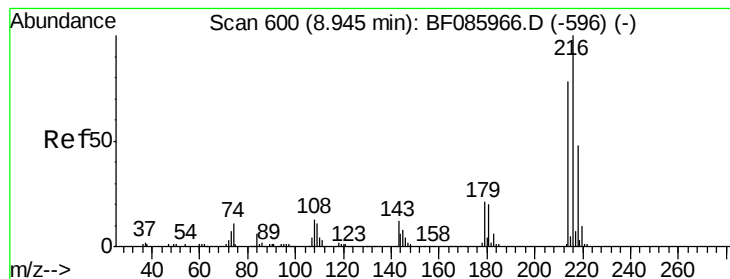


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 24.93 ng

RT: 8.91 min Scan# 597

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

Tgt Ion:216 Resp: 209819

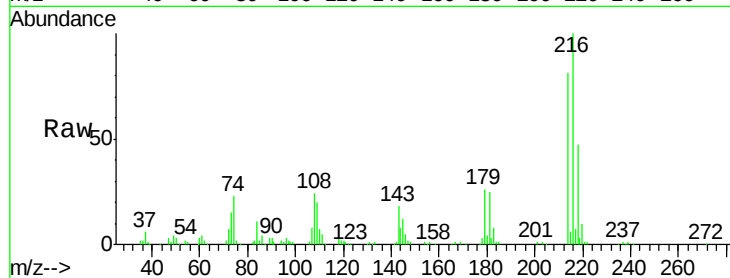
Ion Ratio Lower Upper

216 100

214 80.2 63.1 94.7

179 24.0 18.2 27.2

108 23.9 17.3 25.9

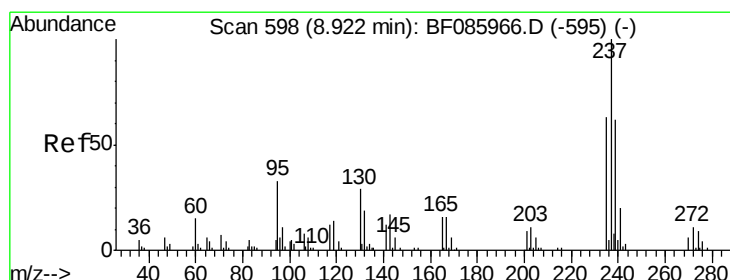
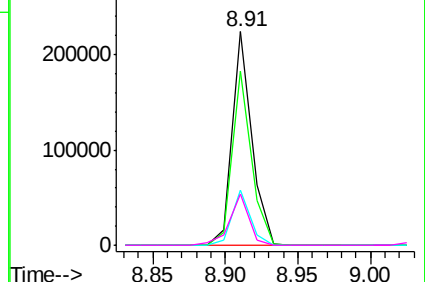
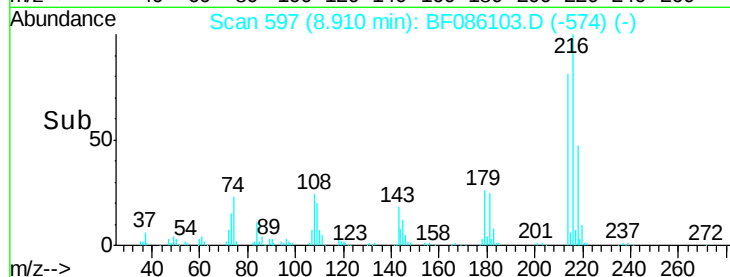


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 44.65 ng

RT: 8.90 min Scan# 596

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

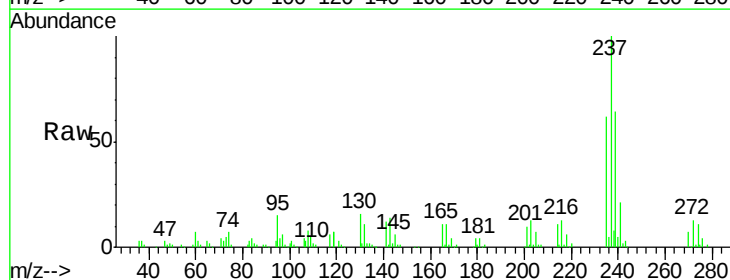
Tgt Ion:237 Resp: 108950

Ion Ratio Lower Upper

237 100

235 61.5 43.7 83.7

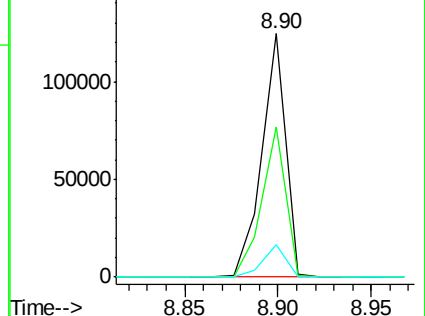
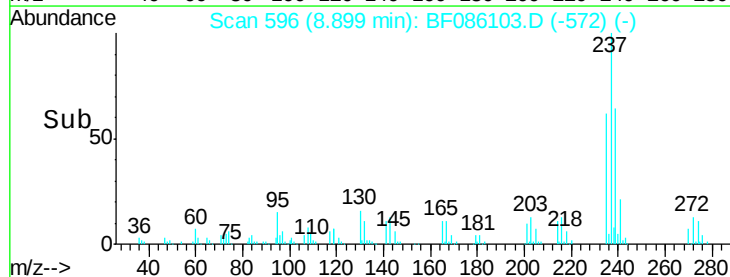
272 13.2 0.0 31.9

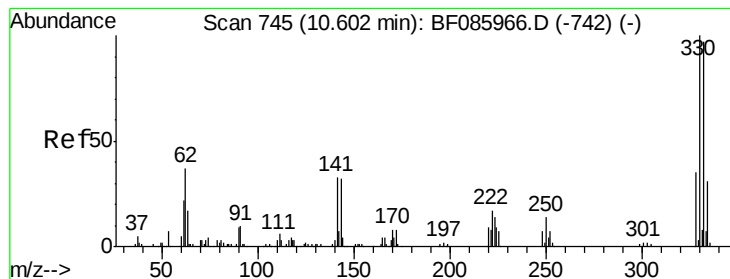


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

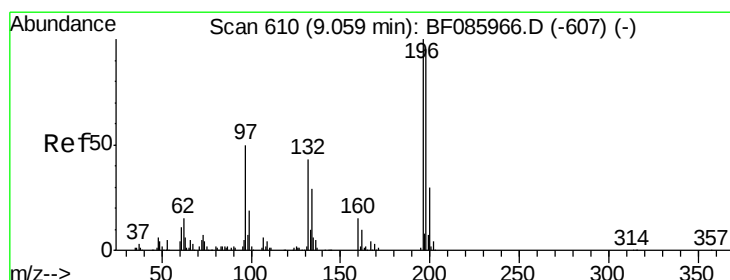
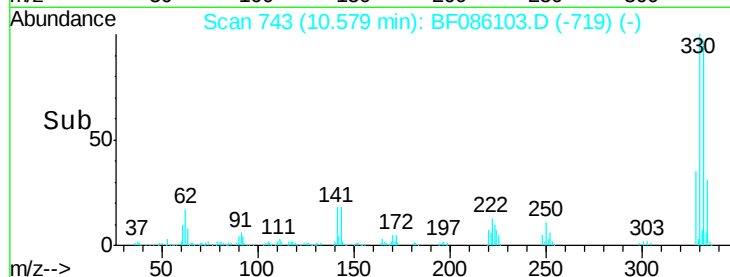
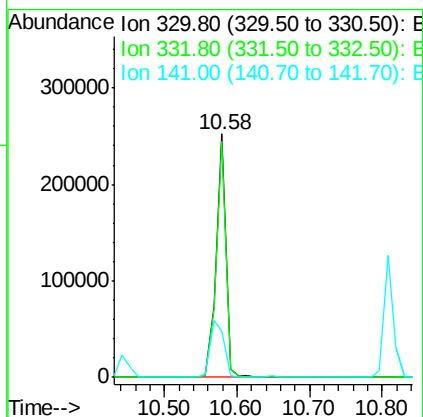
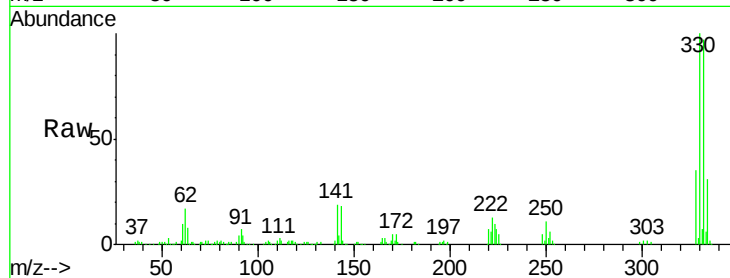




#41  
 2,4,6-Tribromophenol  
 Concen: 89.95 ng  
 RT: 10.58 min Scan# 743  
 Delta R.T. -0.02 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

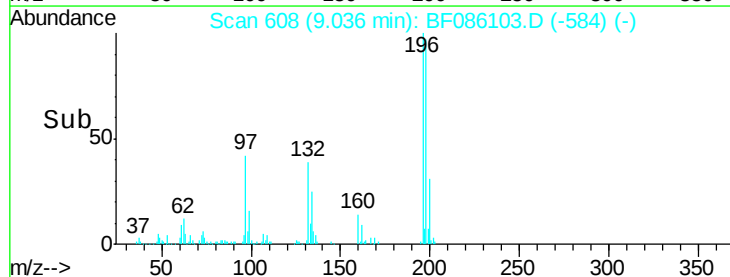
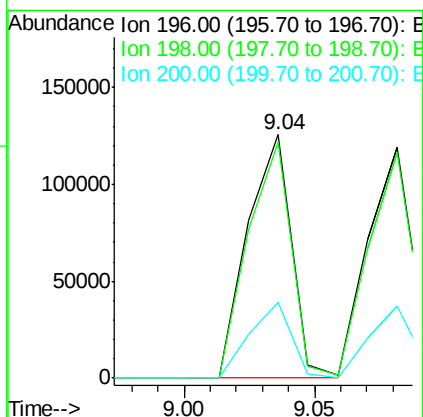
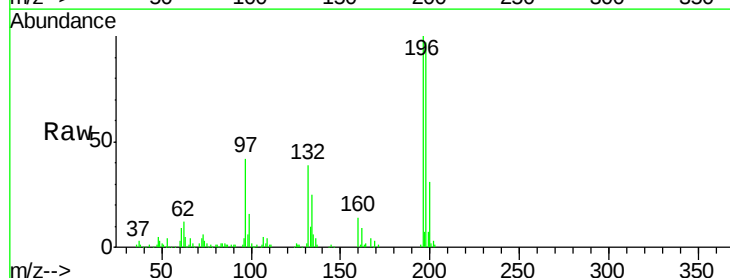
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-14MS

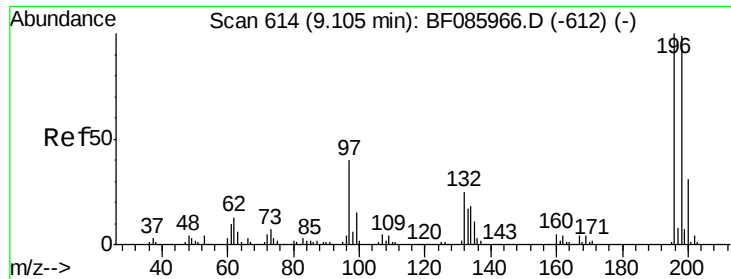
Tgt Ion:330 Resp: 236378  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 78.2 117.2  
 141 33.3 31.5 47.3



#42  
 2,4,6-Trichlorophenol  
 Concen: 27.33 ng  
 RT: 9.04 min Scan# 608  
 Delta R.T. -0.02 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

Tgt Ion:196 Resp: 147714  
 Ion Ratio Lower Upper  
 196 100  
 198 97.0 75.3 112.9  
 200 31.1 23.7 35.5

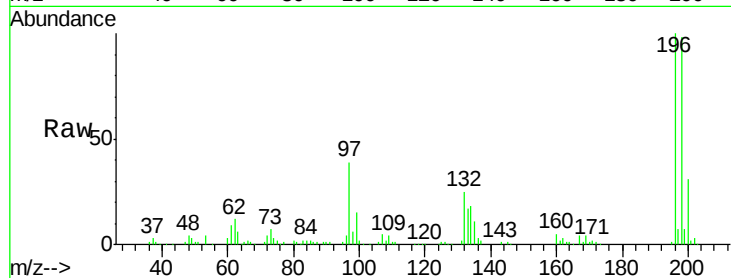




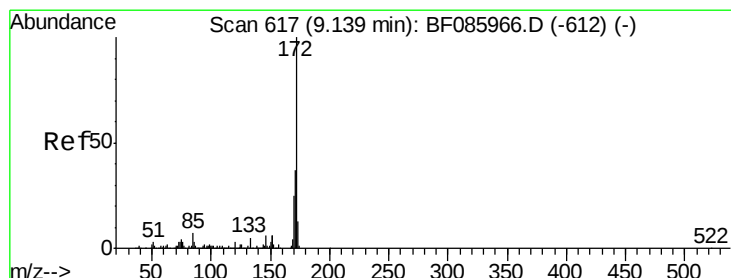
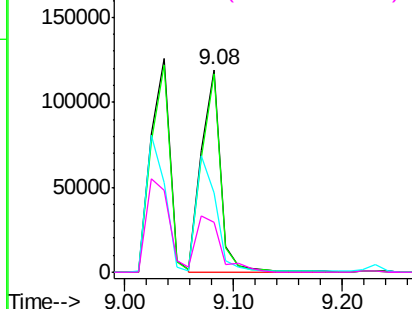
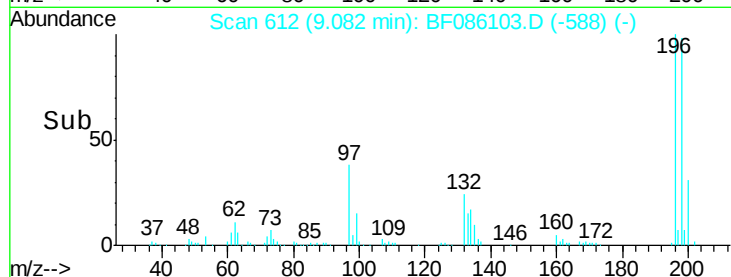
#43  
 2,4,5-Trichlorophenol  
 Concen: 26.74 ng  
 RT: 9.08 min Scan# 612  
 Delta R.T. -0.02 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-14MS

Tgt Ion:196 Resp: 146734  
 Ion Ratio Lower Upper  
 196 100  
 198 98.0 76.6 114.8  
 97 39.2 30.5 45.7  
 132 24.8 20.2 30.2

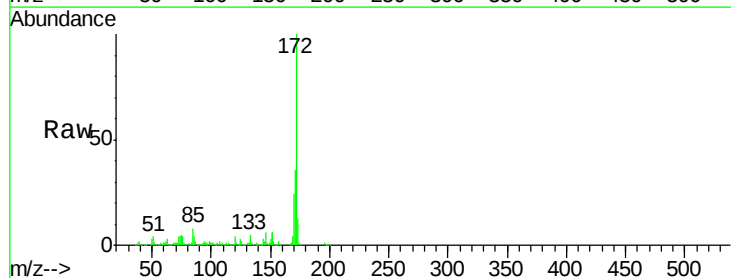


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

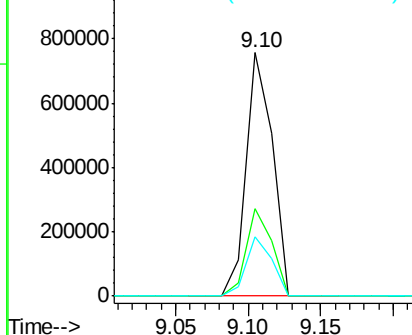
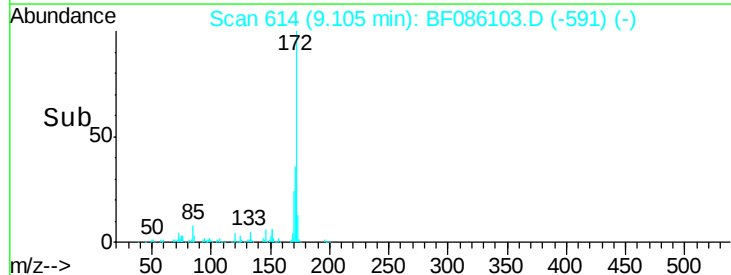


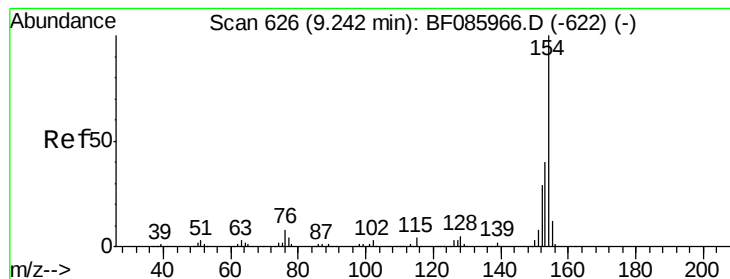
#44  
 2-Fluorobiphenyl  
 Concen: 56.25 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.03 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

Tgt Ion:172 Resp: 947261  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.4 44.2  
 170 24.3 19.8 29.6



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: 24.97 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

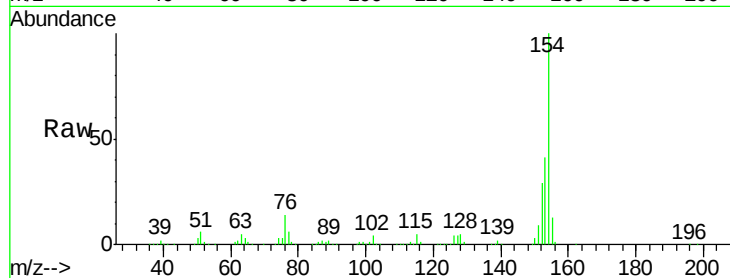
Tgt Ion:154 Resp: 602832

Ion Ratio Lower Upper

154 100

153 41.0 20.8 60.8

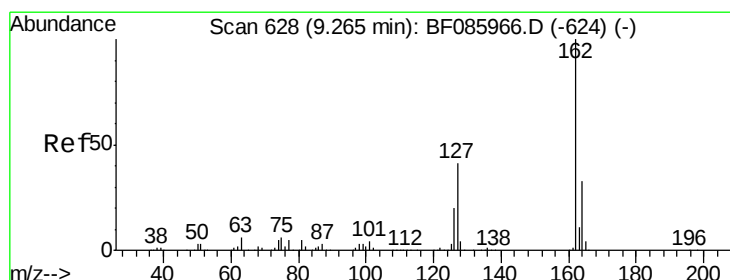
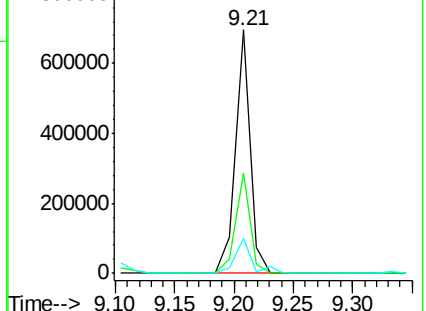
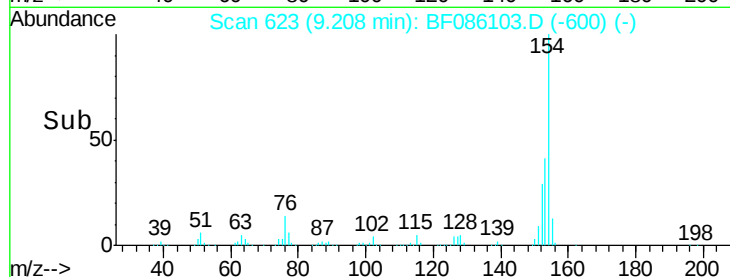
76 14.3 0.0 36.7



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: 25.69 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

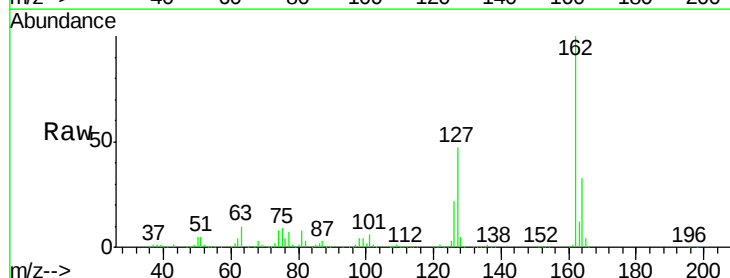
Tgt Ion:162 Resp: 449600

Ion Ratio Lower Upper

162 100

127 47.3 31.7 47.5

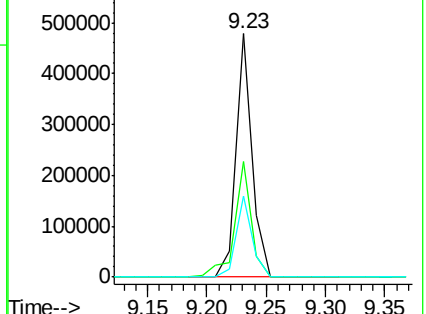
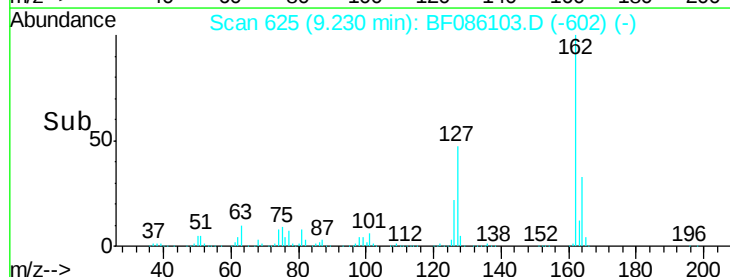
164 33.2 27.3 40.9

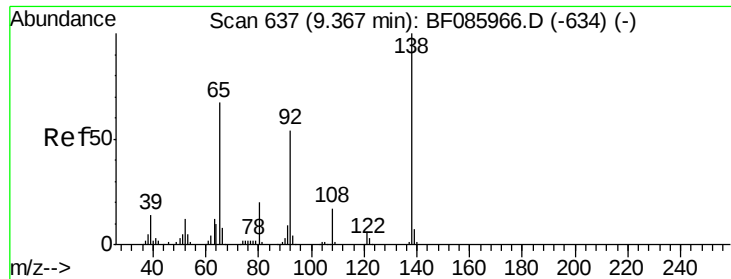


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

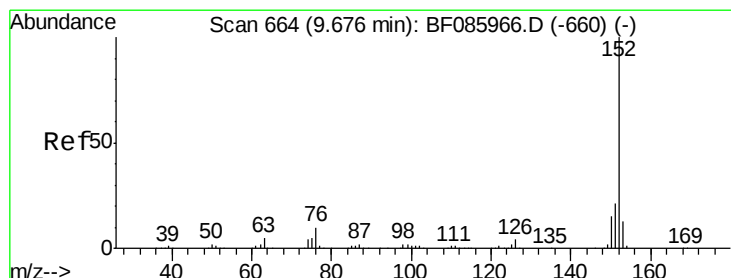
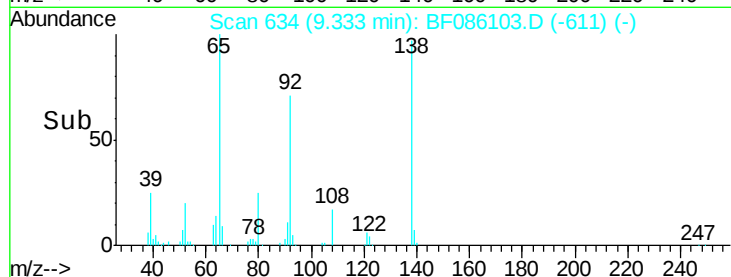
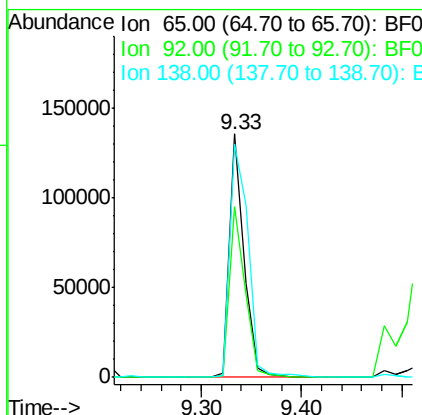
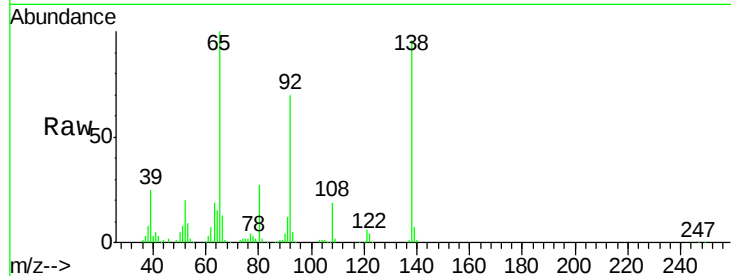




#47  
2-Nitroaniline  
Concen: 26.85 ng  
RT: 9.33 min Scan# 634  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

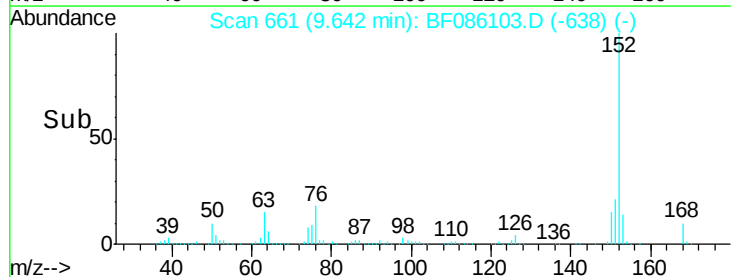
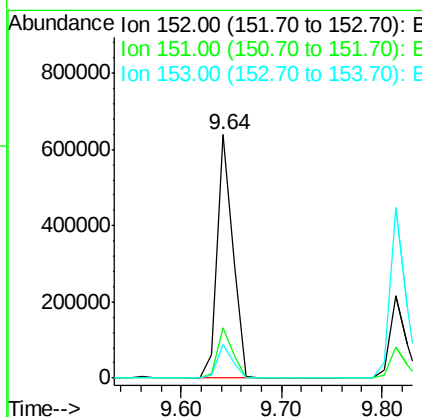
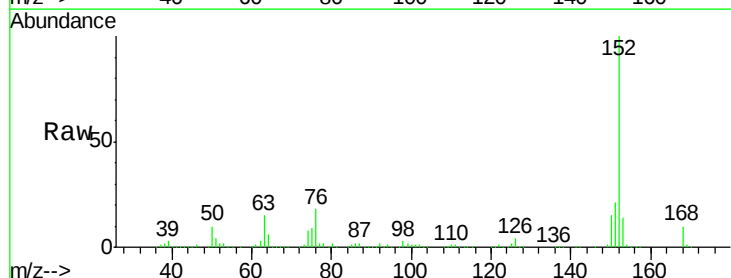
Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

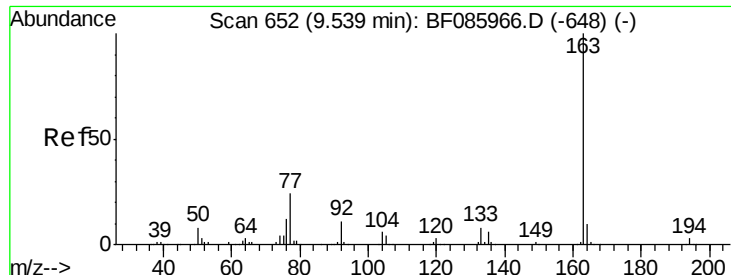
Tgt Ion: 65 Resp: 137498  
Ion Ratio Lower Upper  
65 100  
92 70.0 59.7 89.5  
138 95.7 91.4 137.0



#48  
Acenaphthylene  
Concen: 24.58 ng  
RT: 9.64 min Scan# 661  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Tgt Ion: 152 Resp: 689194  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.8 25.2  
153 13.7 10.9 16.3

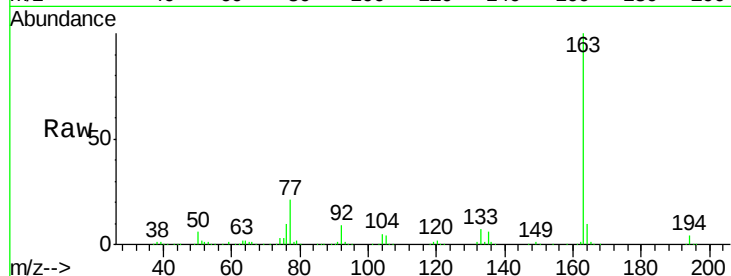




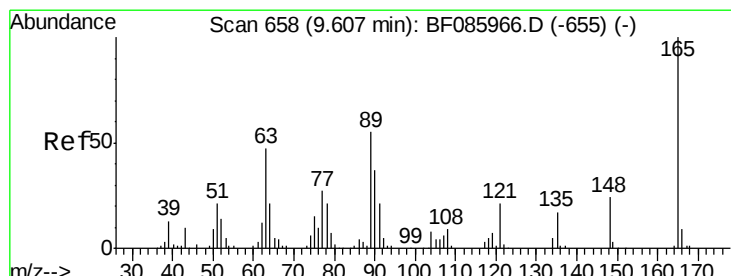
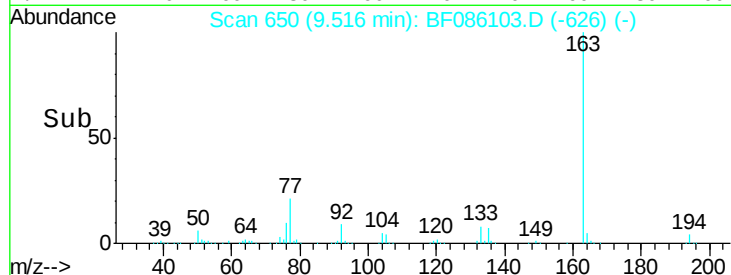
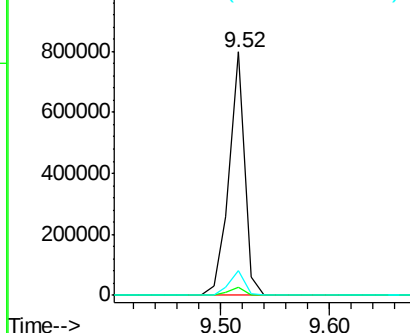
#49  
Dimethylphthalate  
Concen: 37.99 ng  
RT: 9.52 min Scan# 650  
Delta R.T. -0.02 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

Tgt Ion:163 Resp: 788442  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.9 4.3  
164 10.3 8.3 12.5

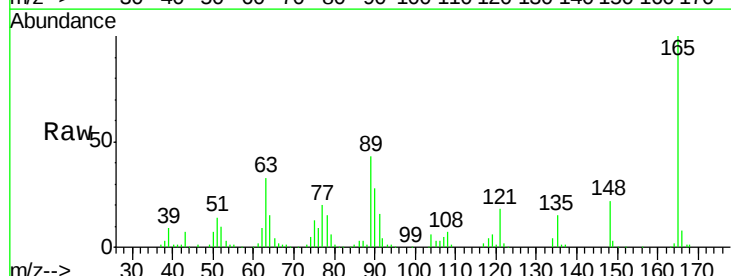


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

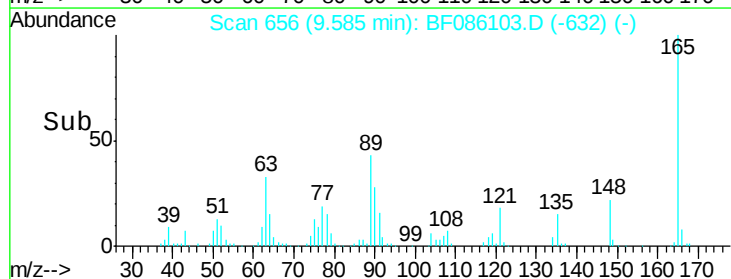
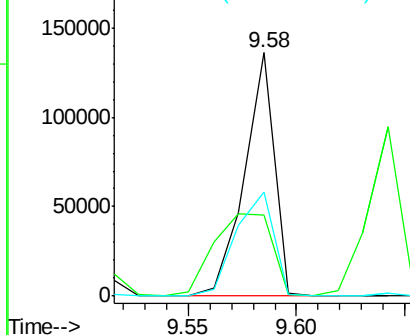


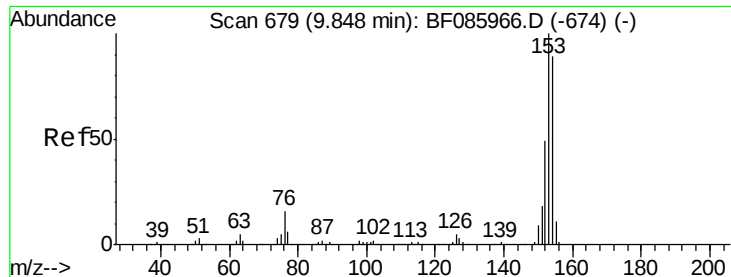
#50  
2,6-Dinitrotoluene  
Concen: 29.53 ng  
RT: 9.58 min Scan# 656  
Delta R.T. -0.02 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Tgt Ion:165 Resp: 129662  
Ion Ratio Lower Upper  
165 100  
63 33.5 51.8 77.8#  
89 42.8 53.7 80.5#



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: 24.95 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

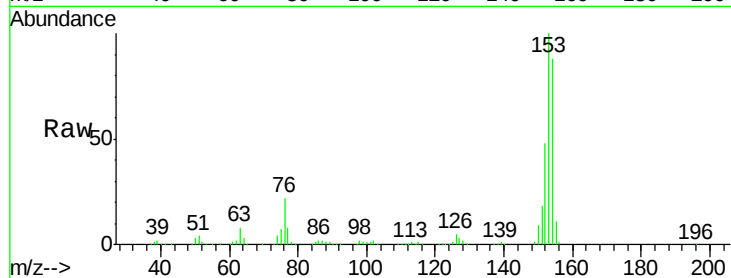
Tgt Ion:154 Resp: 416017

Ion Ratio Lower Upper

154 100

153 113.0 90.1 135.1

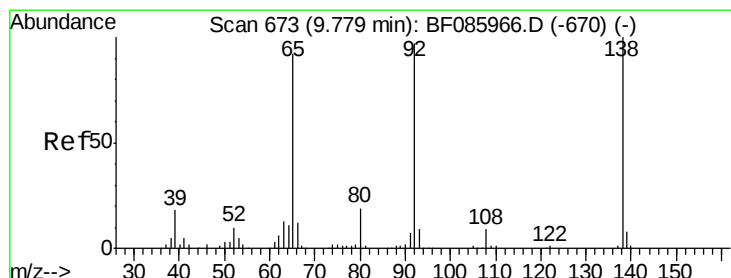
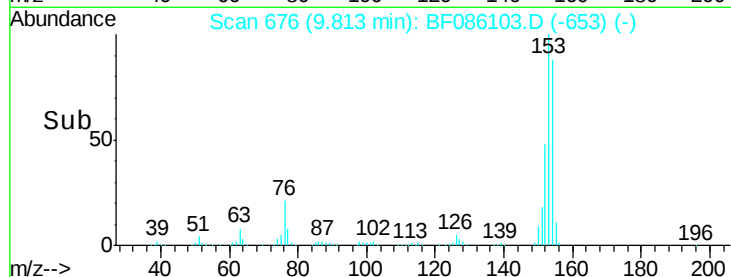
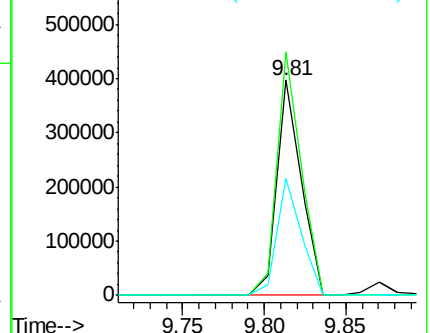
152 54.5 44.2 66.2



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: 14.18 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

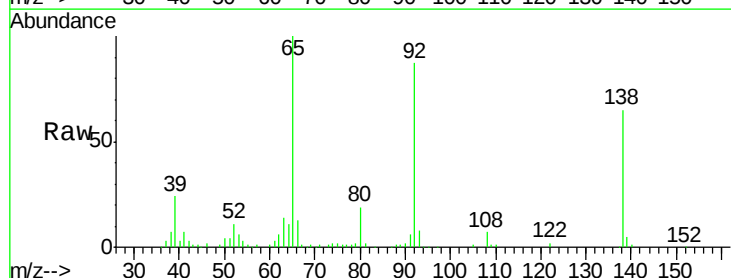
Tgt Ion:138 Resp: 75065

Ion Ratio Lower Upper

138 100

108 11.2 8.7 13.1

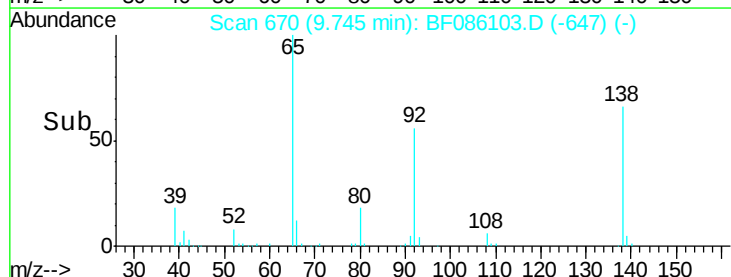
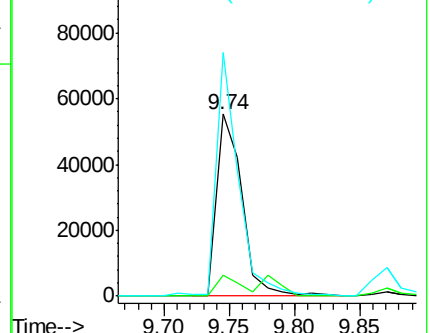
92 133.8 93.3 139.9

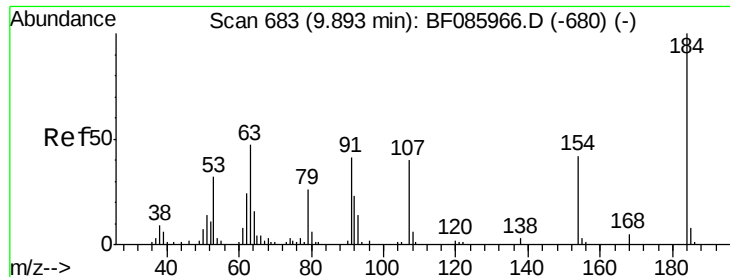


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

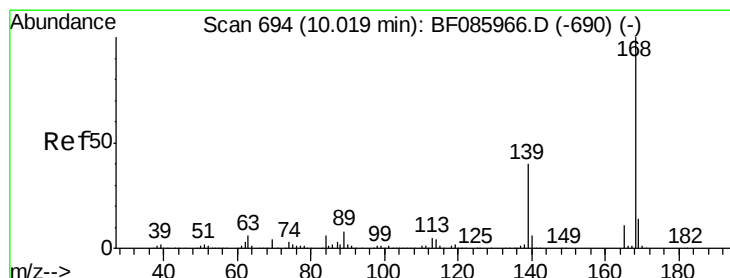
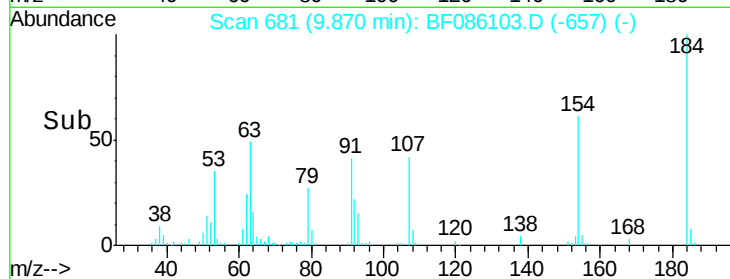
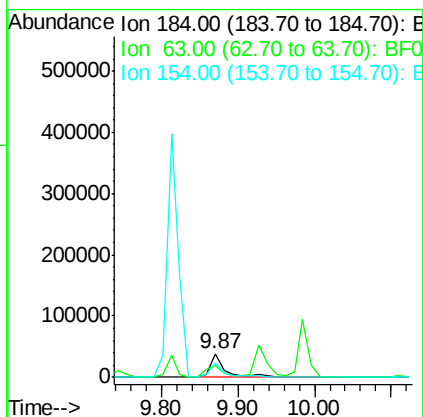
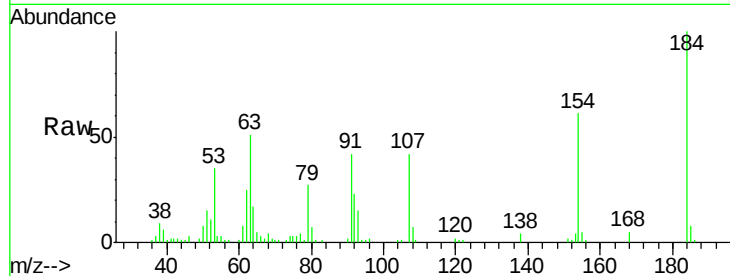




#53  
2,4-Dinitrophenol  
Concen: 27.21 ng  
RT: 9.87 min Scan# 681  
Delta R.T. -0.02 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

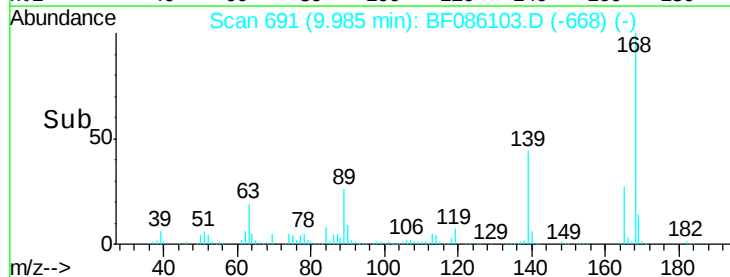
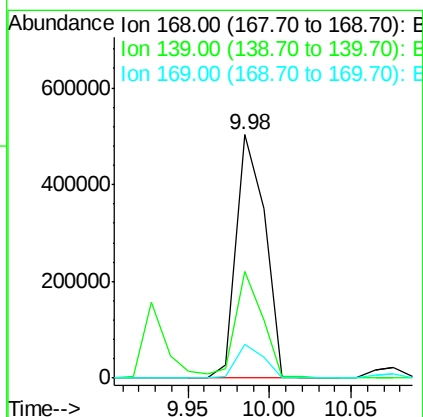
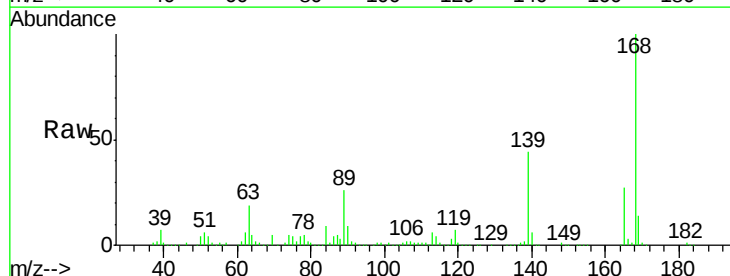
Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

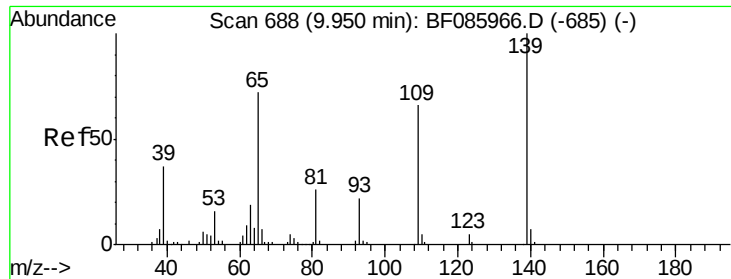
Tgt Ion:184 Resp: 51166  
Ion Ratio Lower Upper  
184 100  
63 50.7 69.5 104.3#  
154 60.8 58.3 87.5



#54  
Dibenzofuran  
Concen: 27.62 ng  
RT: 9.98 min Scan# 691  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Tgt Ion:168 Resp: 608209  
Ion Ratio Lower Upper  
168 100  
139 43.8 31.9 47.9  
169 14.0 11.0 16.6

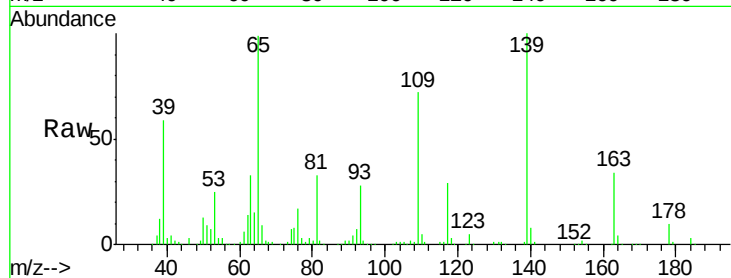




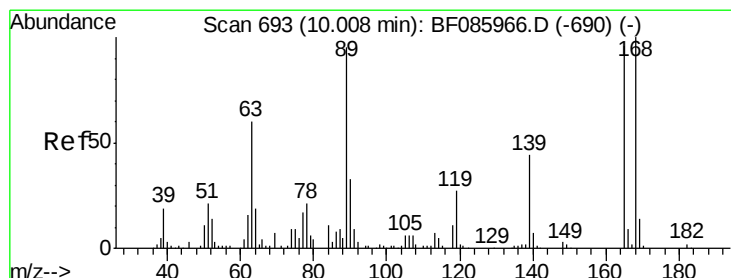
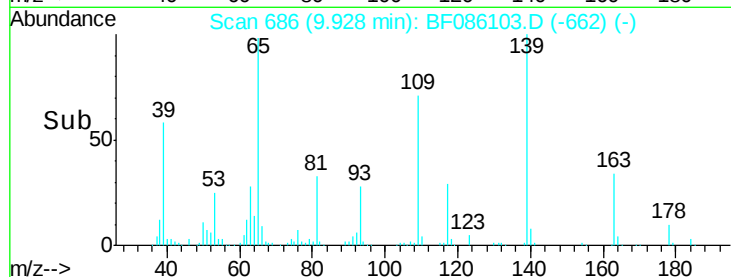
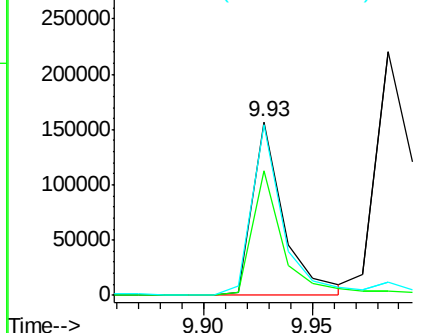
#55  
4-Nitrophenol  
Concen: 50.31 ng  
RT: 9.93 min Scan# 686  
Delta R.T. -0.02 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Instrument :  
BNA\_F  
ClientSampled :  
SP-14MS

Tgt Ion:139 Resp: 156939  
Ion Ratio Lower Upper  
139 100  
109 71.6 49.2 89.2  
65 98.6 66.9 106.9

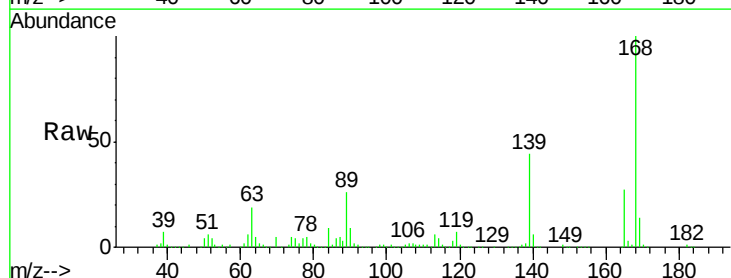


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

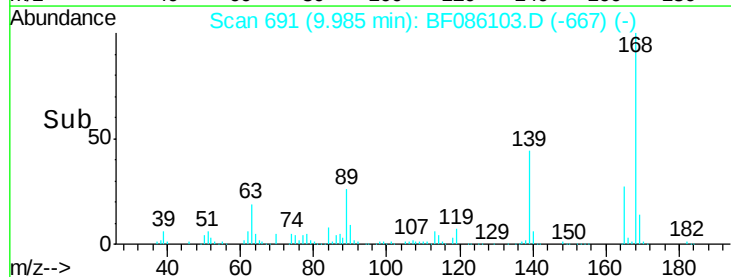
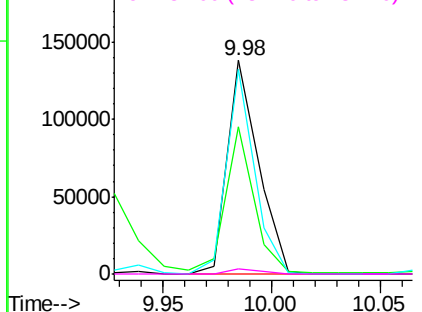


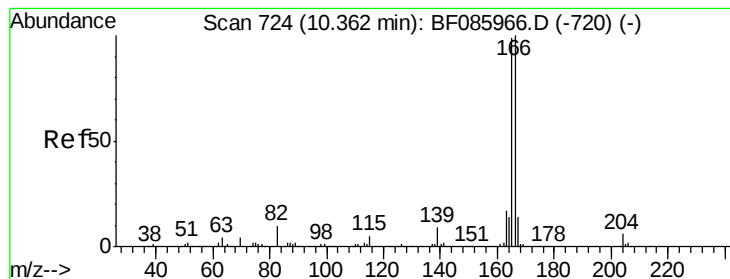
#56  
2,4-Dinitrotoluene  
Concen: 24.67 ng  
RT: 9.98 min Scan# 691  
Delta R.T. -0.02 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Tgt Ion:165 Resp: 136890  
Ion Ratio Lower Upper  
165 100  
63 68.9 24.9 37.3#  
89 96.1 41.0 61.6#  
182 2.5 2.1 3.1



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: 23.94 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampled :

SP-14MS

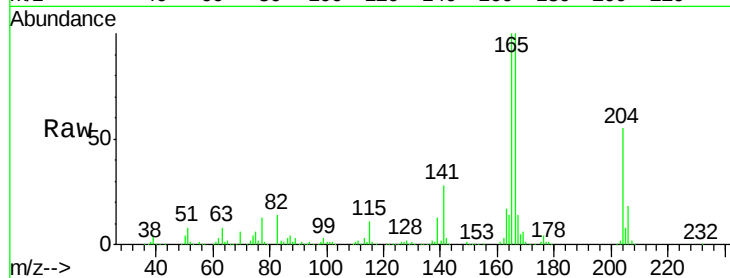
Tgt Ion:166 Resp: 450294

Ion Ratio Lower Upper

166 100

165 100.0 79.4 119.0

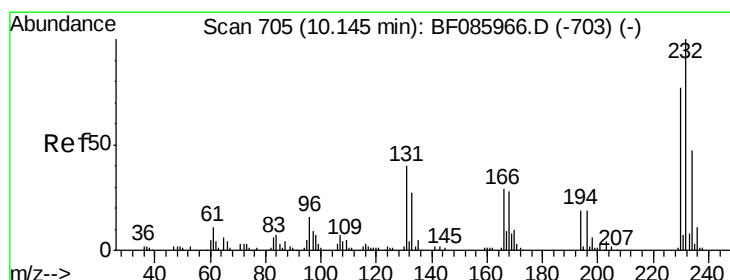
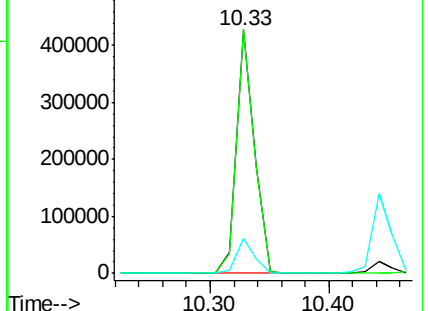
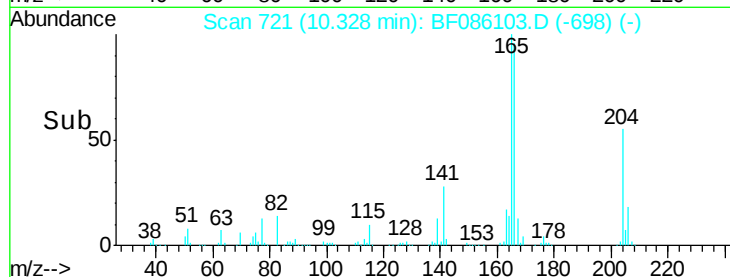
167 14.2 11.0 16.4



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: 28.22 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Tgt Ion:232 Resp: 115290

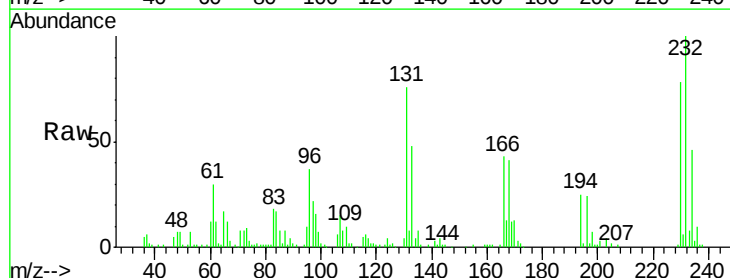
Ion Ratio Lower Upper

232 100

131 56.5 44.9 67.3

130 2.6 2.3 3.5

166 31.9 28.1 42.1

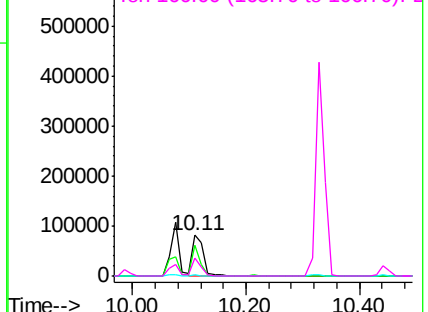
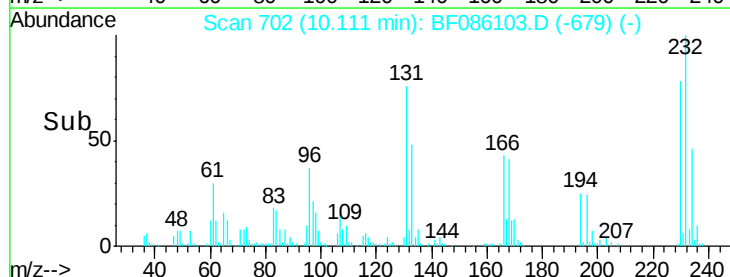


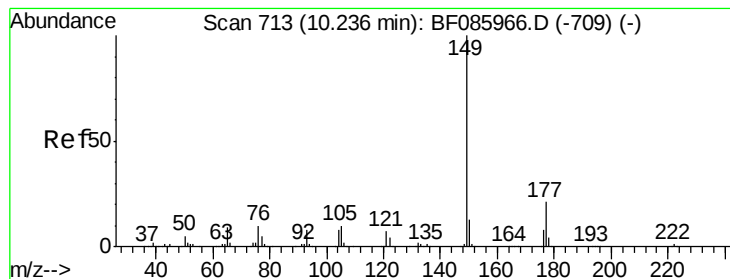
Abundance Ion 232.00 (231.70 to 232.70): E

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: 27.79 ng

RT: 10.21 min Scan# 711

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

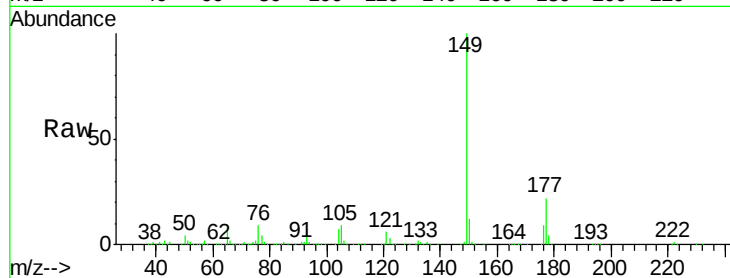
Tgt Ion:149 Resp: 582127

Ion Ratio Lower Upper

149 100

177 22.2 17.9 26.9

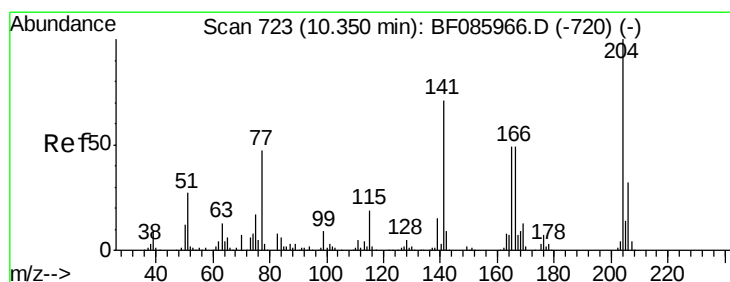
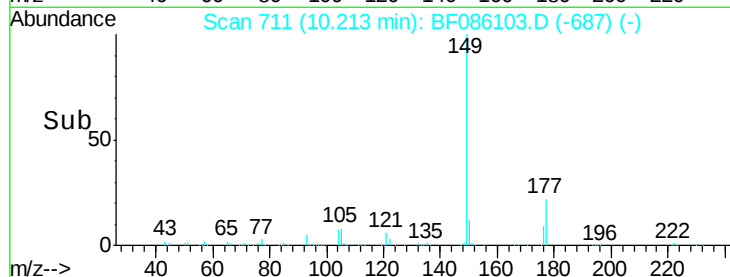
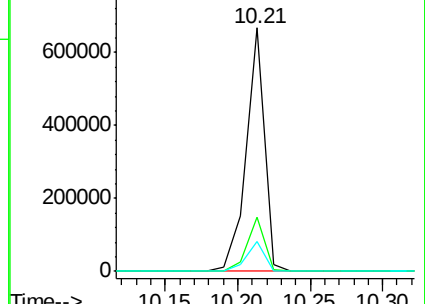
150 12.5 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 26.31 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

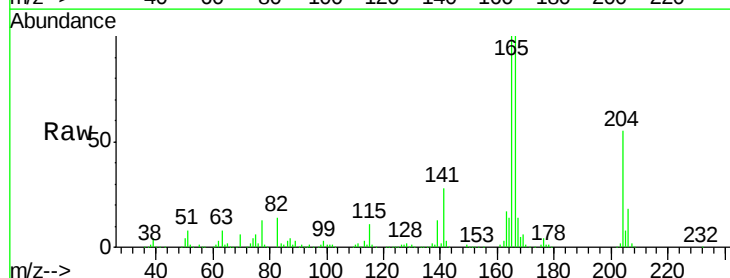
Tgt Ion:204 Resp: 230509

Ion Ratio Lower Upper

204 100

206 33.3 26.6 39.8

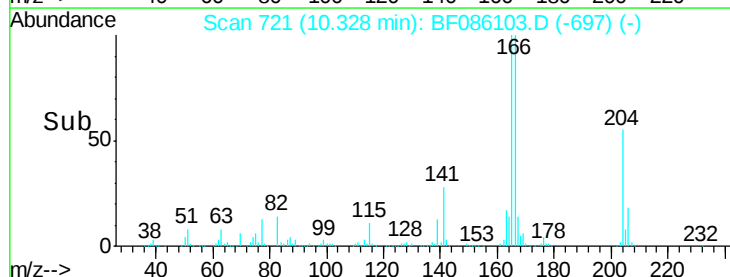
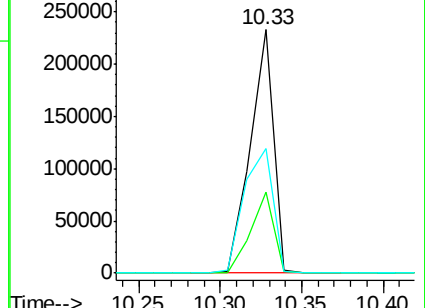
141 51.0 57.4 86.0#

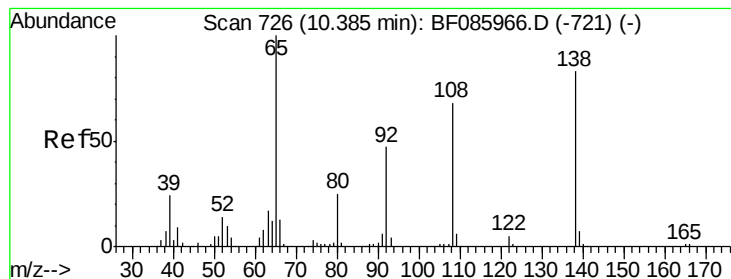


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 21.39 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampled :

SP-14MS

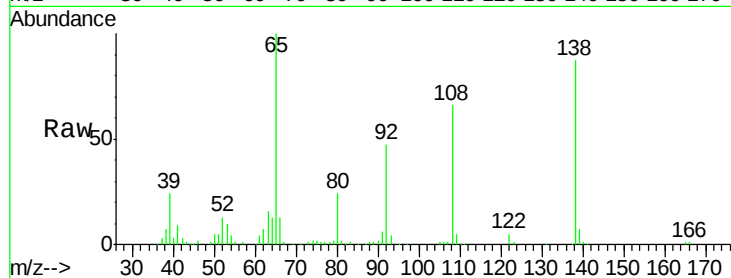
Tgt Ion:138 Resp: 111476

Ion Ratio Lower Upper

138 100

92 54.6 26.4 66.4

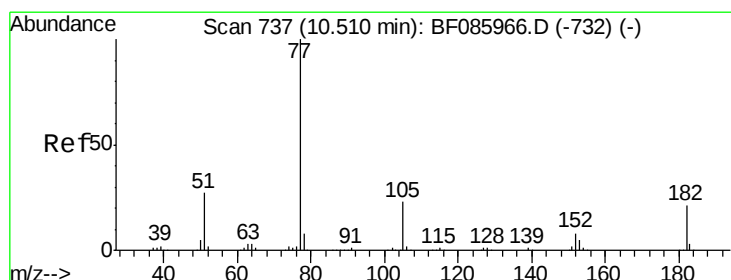
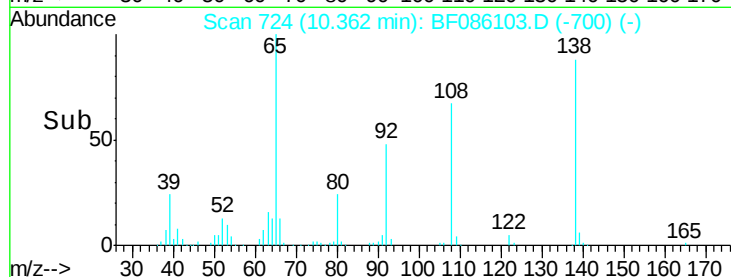
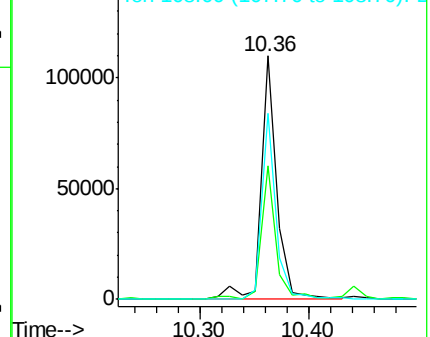
108 76.5 49.0 89.0



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: 29.05 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Tgt Ion: 77 Resp: 582854

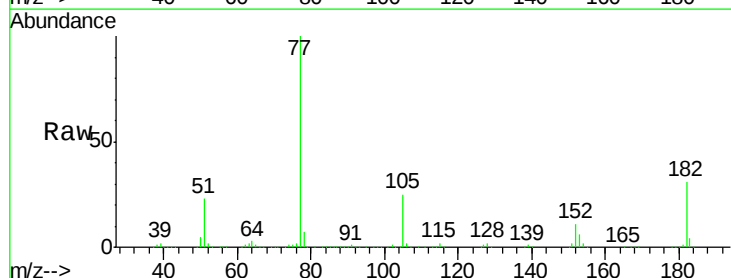
Ion Ratio Lower Upper

77 100

182 31.2 1.9 41.9

105 25.3 3.5 43.5

51 23.4 6.3 46.3

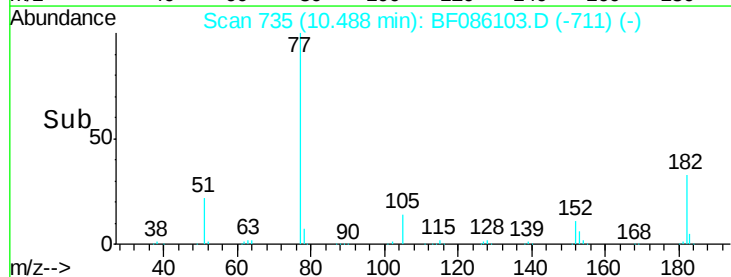
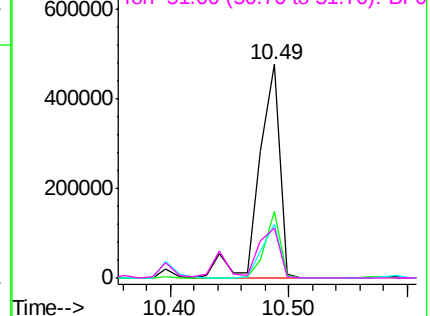


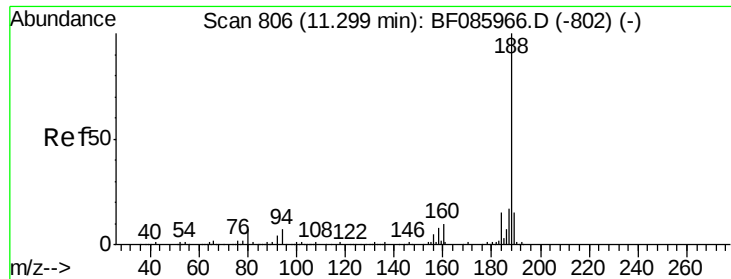
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

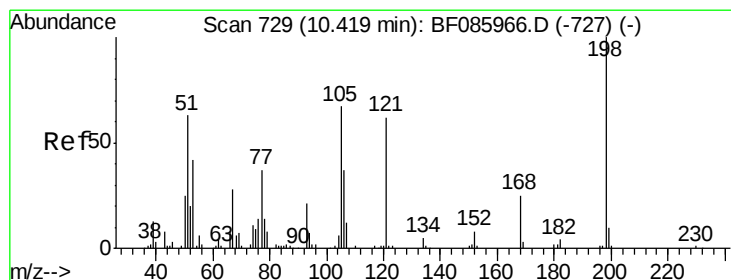
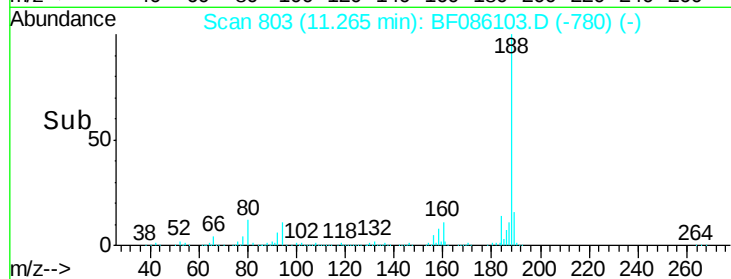
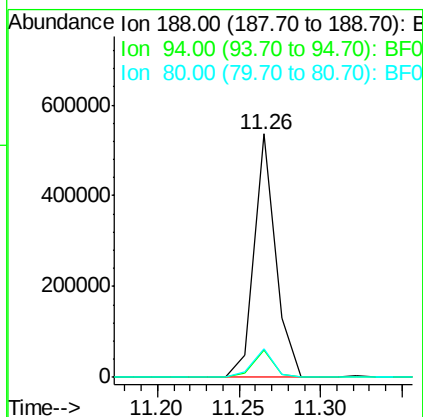
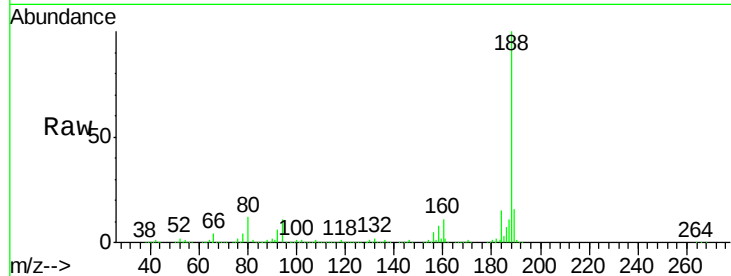




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.26 min Scan# 803  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

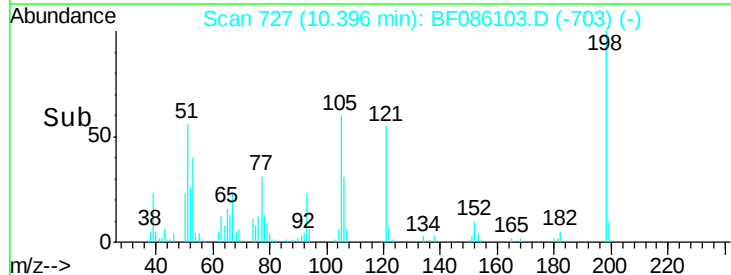
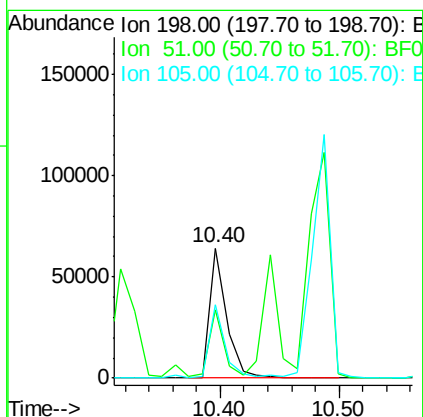
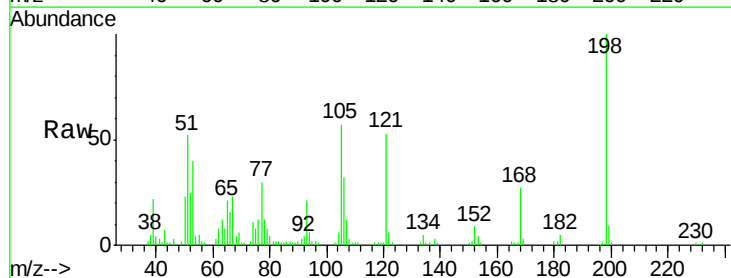
Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

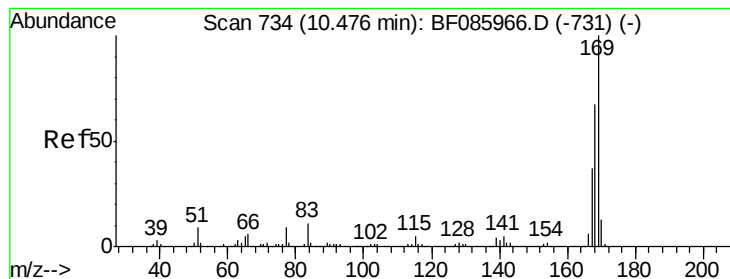
Tgt Ion:188 Resp: 493669  
Ion Ratio Lower Upper  
188 100  
94 11.0 5.4 8.0#  
80 11.8 5.5 8.3#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 21.34 ng  
RT: 10.40 min Scan# 727  
Delta R.T. -0.02 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Tgt Ion:198 Resp: 63857  
Ion Ratio Lower Upper  
198 100  
51 52.4 45.4 85.4  
105 56.8 45.9 85.9





#65

n-Nitrosodiphenylamine

Concen: 26.95 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

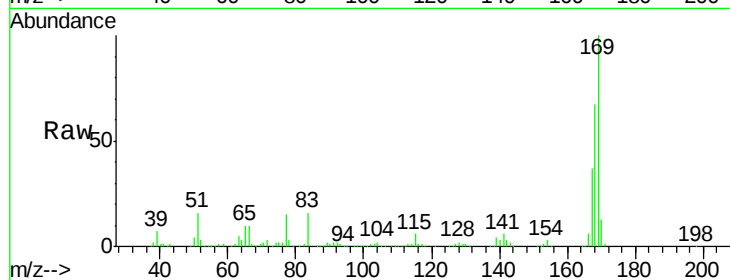
Tgt Ion:169 Resp: 416029

Ion Ratio Lower Upper

169 100

168 66.8 54.4 81.6

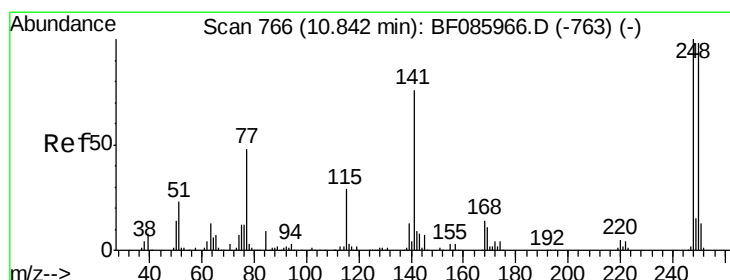
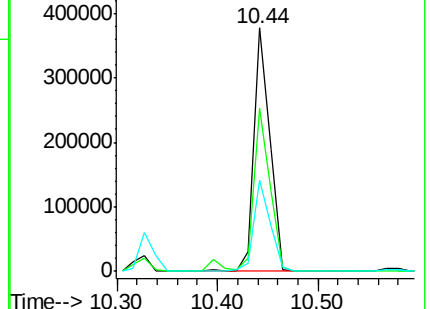
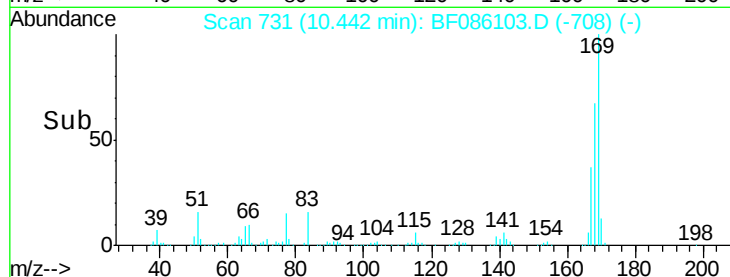
167 37.3 29.4 44.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 24.66 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

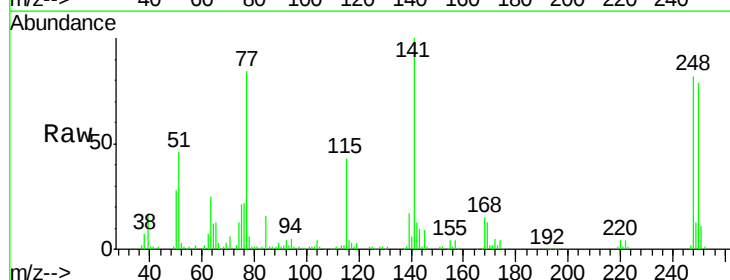
Tgt Ion:248 Resp: 124285

Ion Ratio Lower Upper

248 100

250 96.5 77.4 116.0

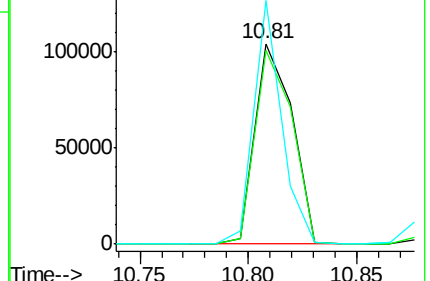
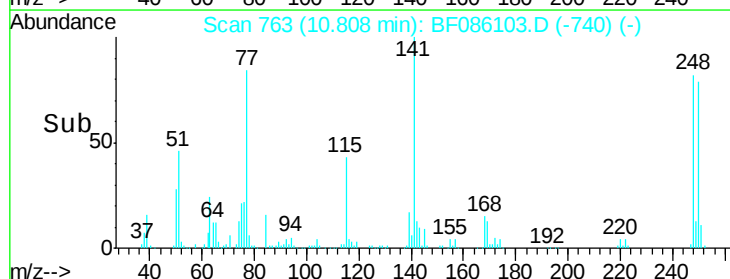
141 121.4 63.6 95.4#

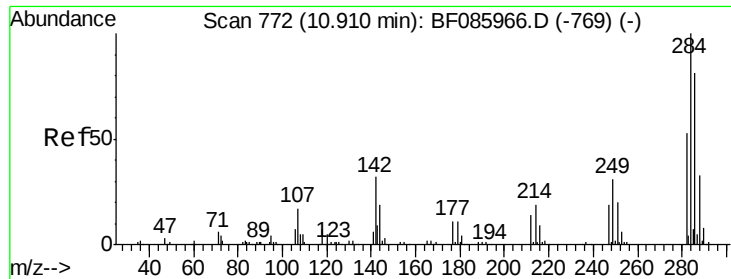


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

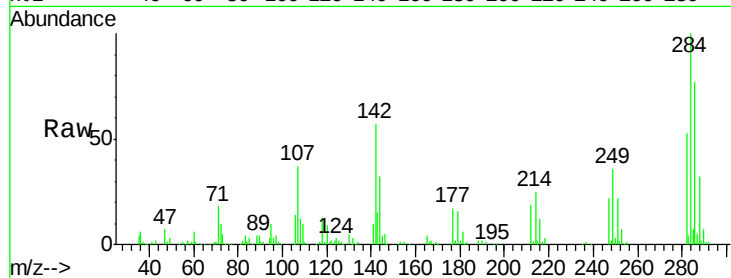




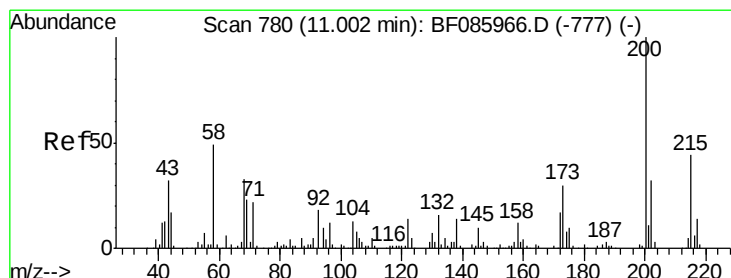
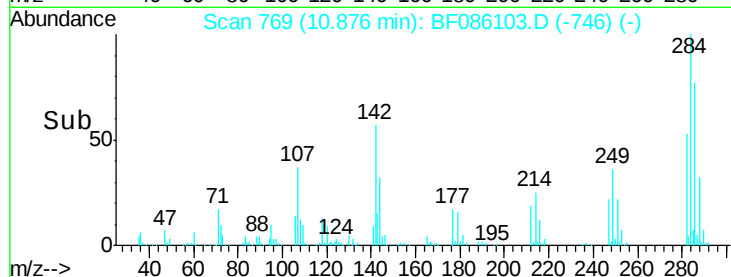
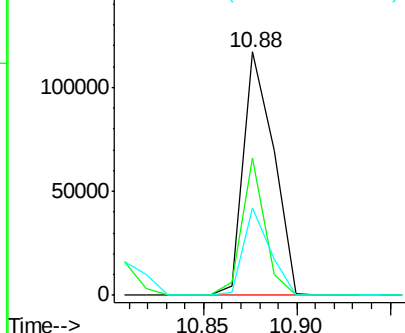
#67  
Hexachlorobenzene  
Concen: 25.20 ng  
RT: 10.88 min Scan# 769  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

Tgt Ion: 284 Resp: 131336  
Ion Ratio Lower Upper  
284 100  
142 56.7 23.1 34.7#  
249 36.0 24.2 36.2

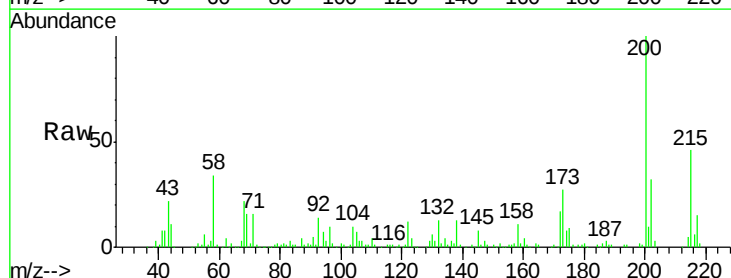


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

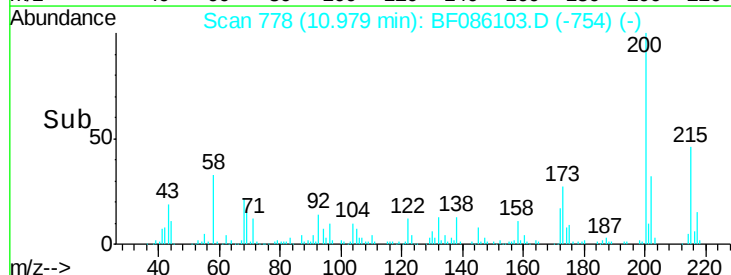
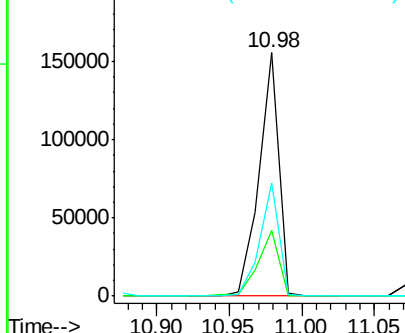


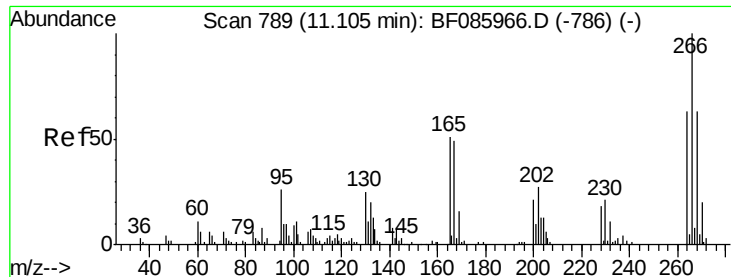
#68  
Atrazine  
Concen: 29.50 ng  
RT: 10.98 min Scan# 778  
Delta R.T. -0.02 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Tgt Ion: 200 Resp: 147161  
Ion Ratio Lower Upper  
200 100  
173 26.8 7.7 47.7  
215 46.5 25.4 65.4



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

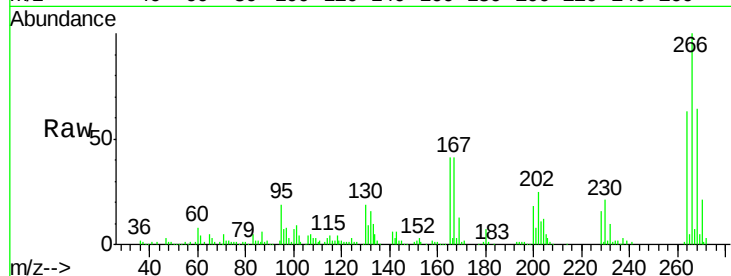




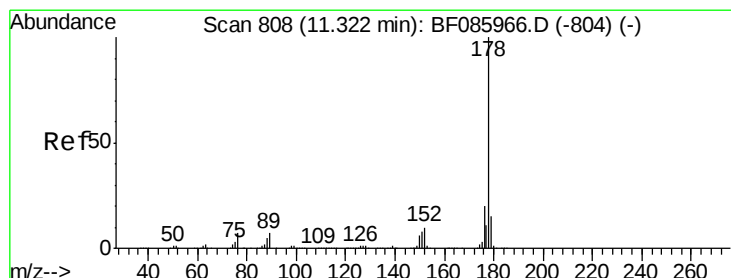
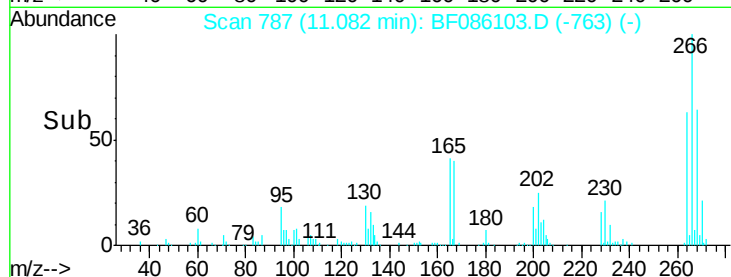
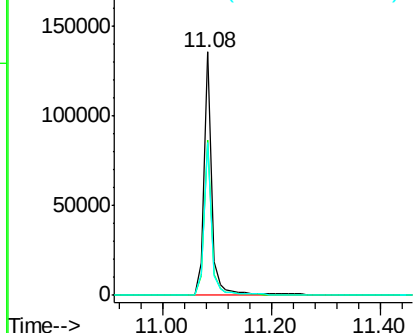
#69  
 Pentachlorophenol  
 Concen: 54.85 ng  
 RT: 11.08 min Scan# 787  
 Delta R.T. -0.02 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-14MS

Tgt Ion:266 Resp: 133976  
 Ion Ratio Lower Upper  
 266 100  
 268 63.7 51.5 77.3  
 264 63.0 50.6 76.0

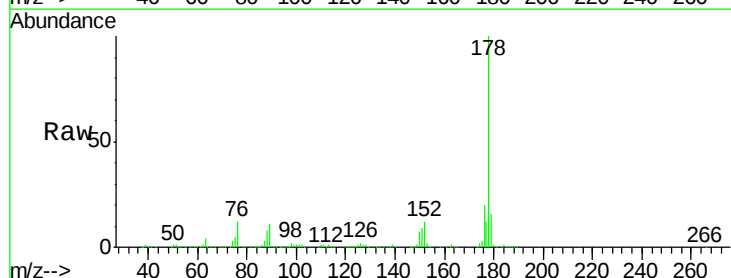


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

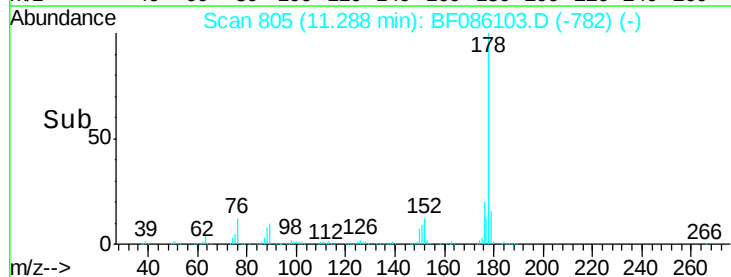
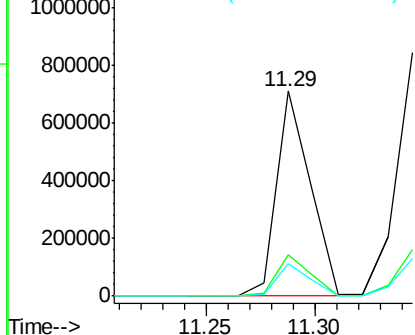


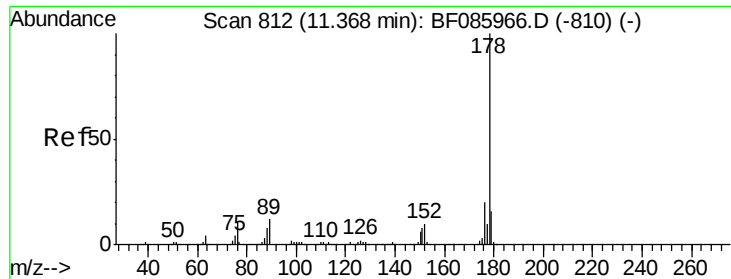
#70  
 Phenanthrene  
 Concen: 28.65 ng  
 RT: 11.29 min Scan# 805  
 Delta R.T. -0.03 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

Tgt Ion:178 Resp: 771461  
 Ion Ratio Lower Upper  
 178 100  
 176 20.2 16.3 24.5  
 179 16.0 12.6 18.8



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

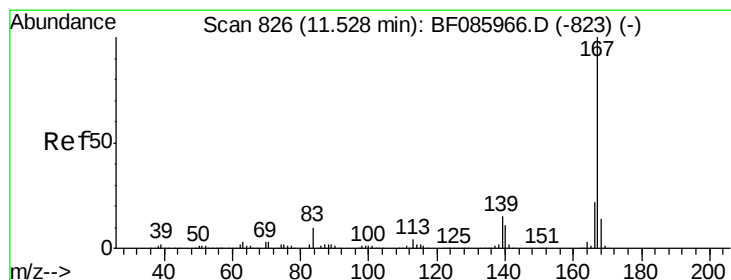
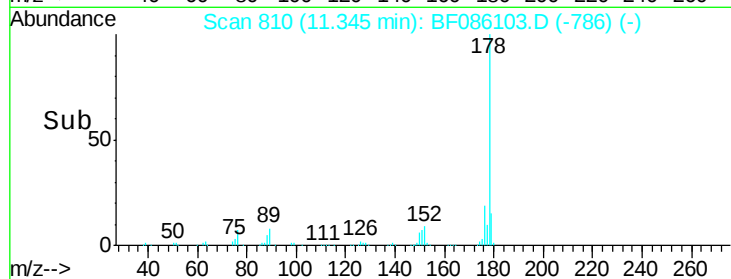
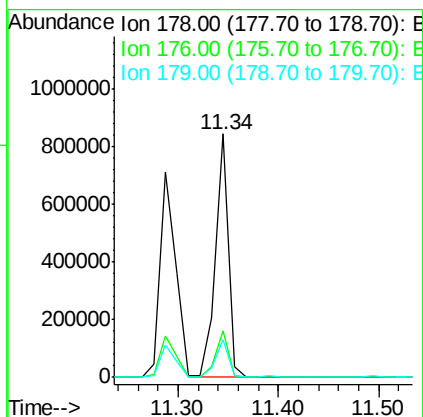
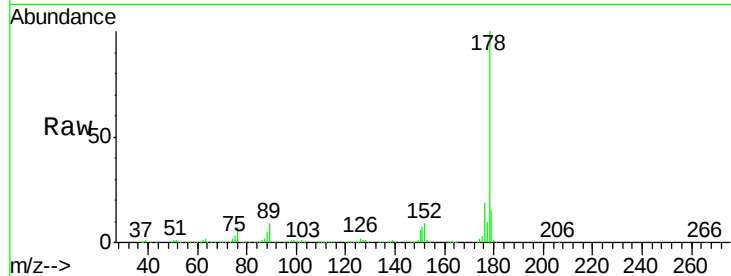




#71  
 Anthracene  
 Concen: 26.75 ng  
 RT: 11.34 min Scan# 810  
 Delta R.T. -0.02 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

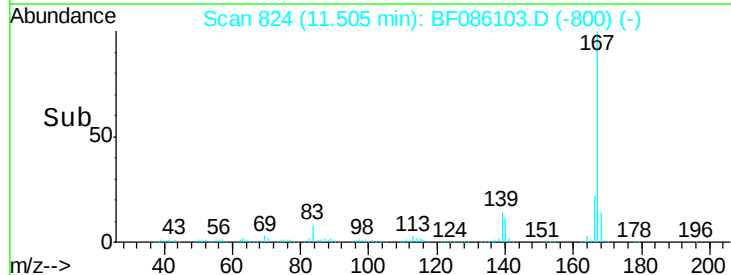
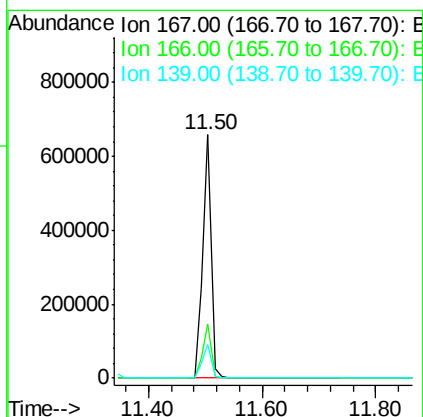
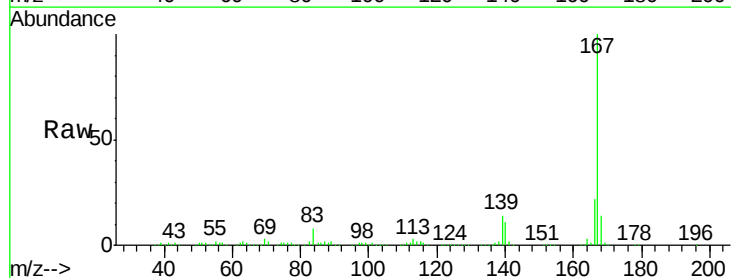
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-14MS

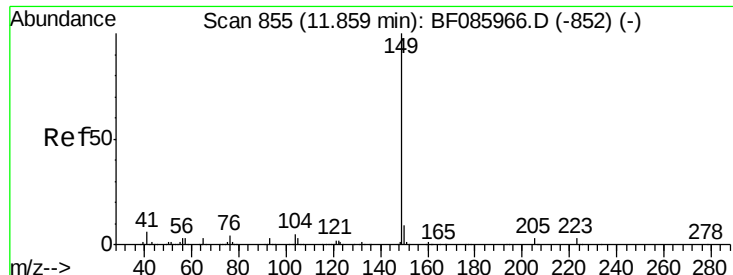
Tgt Ion:178 Resp: 754676  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 15.9 23.9  
 179 15.5 13.0 19.4



#72  
 Carbazole  
 Concen: 26.80 ng  
 RT: 11.50 min Scan# 824  
 Delta R.T. -0.02 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

Tgt Ion:167 Resp: 650040  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.8 26.8  
 139 13.6 11.6 17.4





#73

Di-n-butylphthalate

Concen: 26.59 ng

RT: 11.84 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

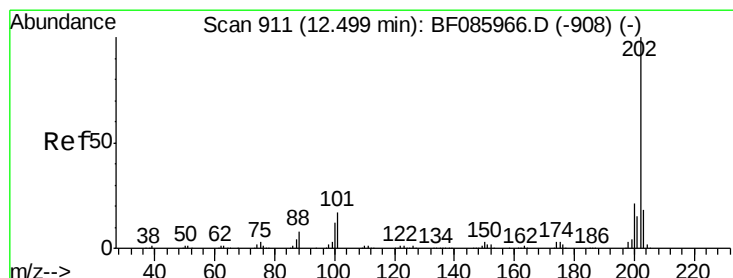
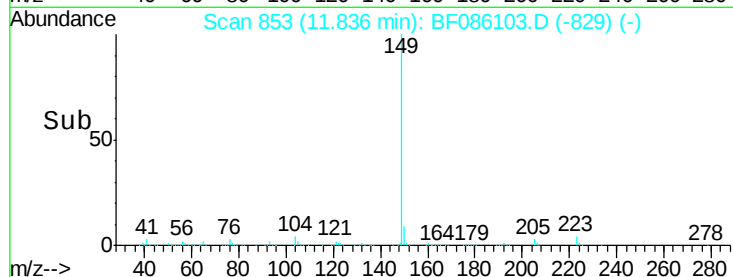
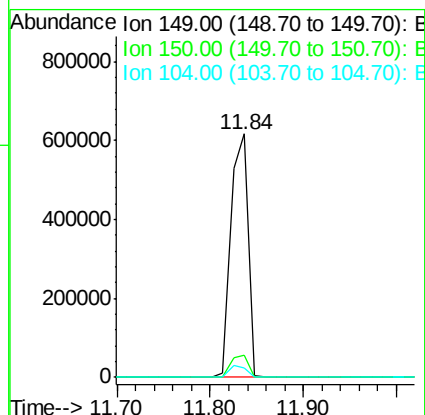
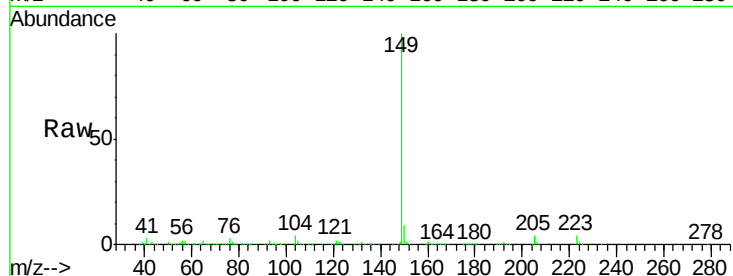
Tgt Ion:149 Resp: 798892

Ion Ratio Lower Upper

149 100

150 8.9 7.6 11.4

104 3.8 3.8 5.8#



#74

Fluoranthene

Concen: 26.77 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

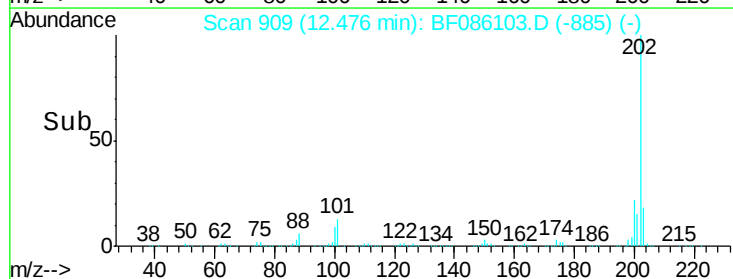
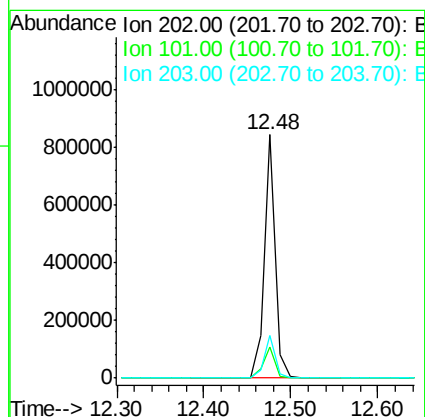
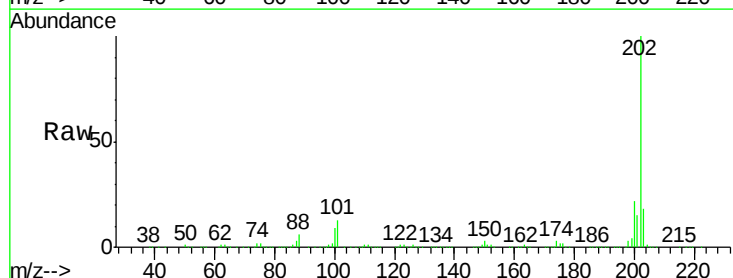
Tgt Ion:202 Resp: 749880

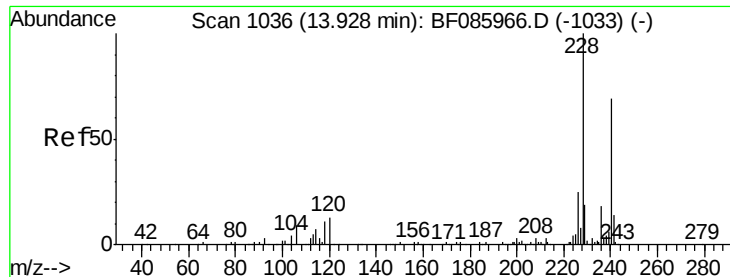
Ion Ratio Lower Upper

202 100

101 12.7 0.0 36.6

203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

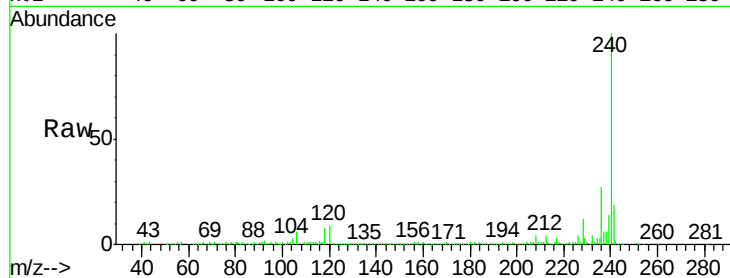
Tgt Ion:240 Resp: 326882

Ion Ratio Lower Upper

240 100

120 9.2 13.8 20.8#

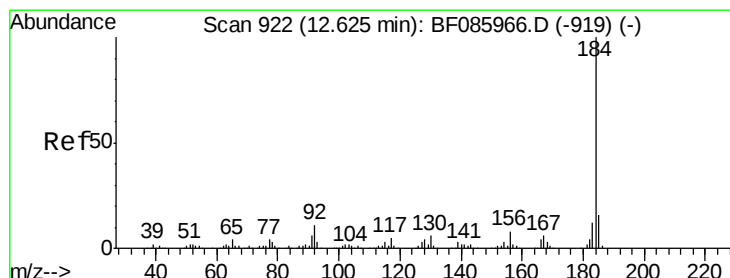
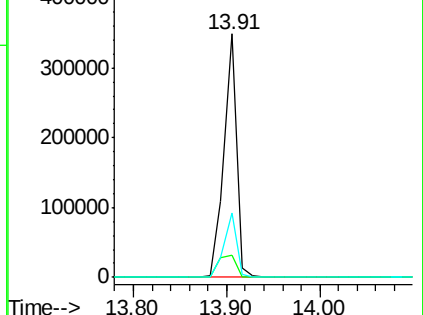
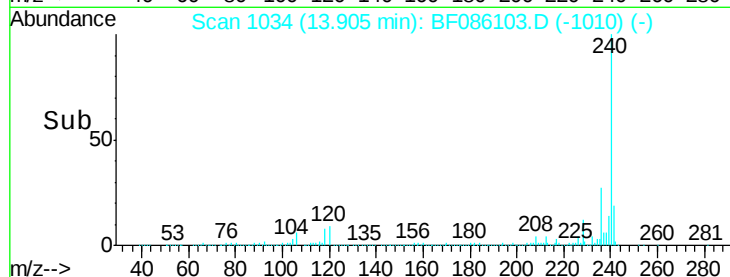
236 26.5 20.6 30.8



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: 19.88 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

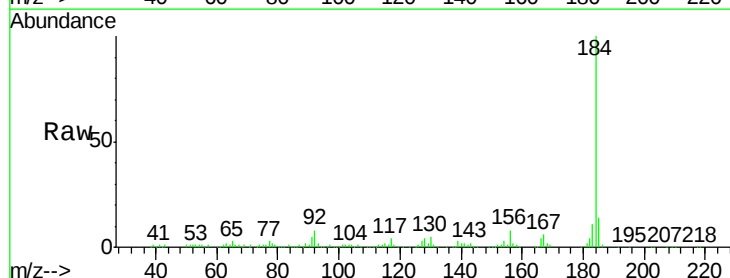
Tgt Ion:184 Resp: 229269

Ion Ratio Lower Upper

184 100

185 14.2 12.4 18.6

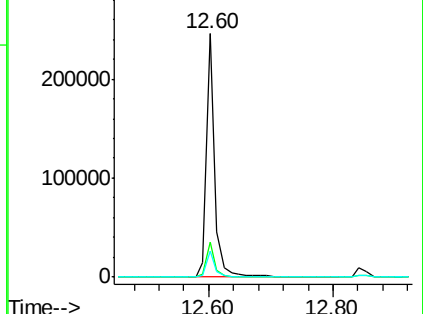
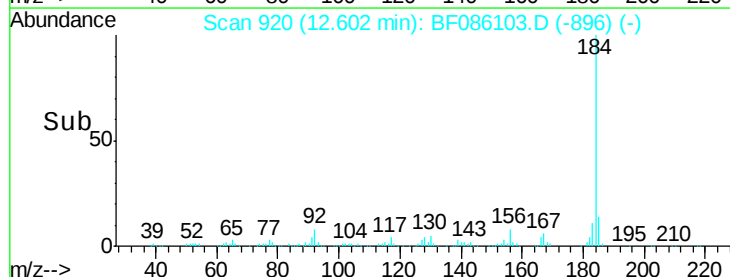
183 10.7 9.4 14.2

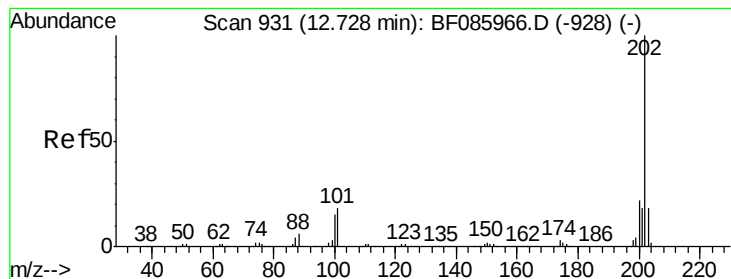


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 32.55 ng

RT: 12.71 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

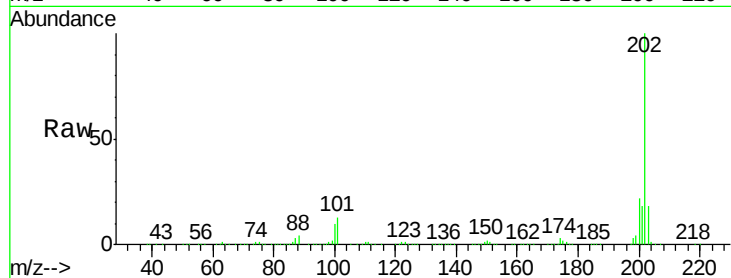
Tgt Ion:202 Resp: 749729

Ion Ratio Lower Upper

202 100

200 22.4 17.6 26.4

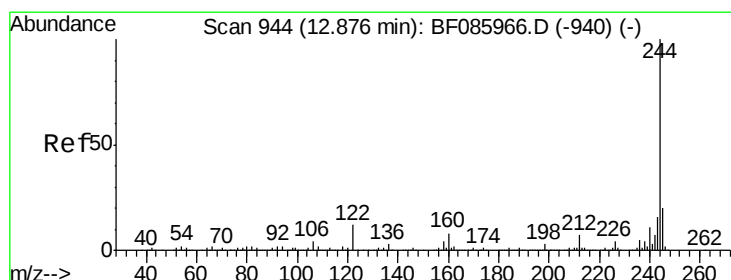
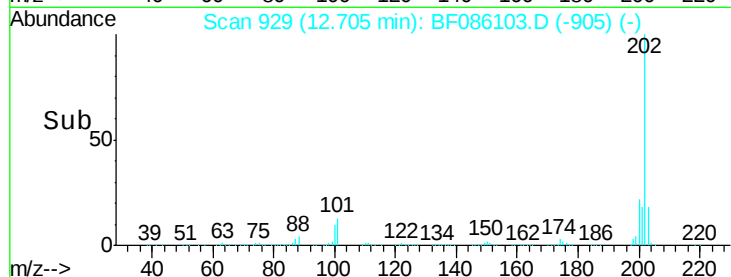
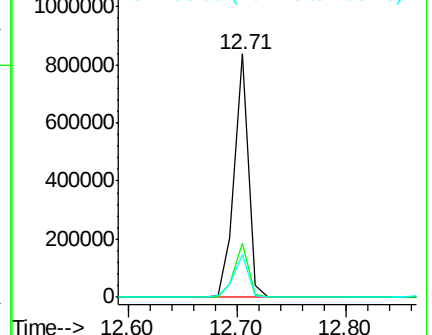
203 17.8 14.0 21.0



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: 52.31 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

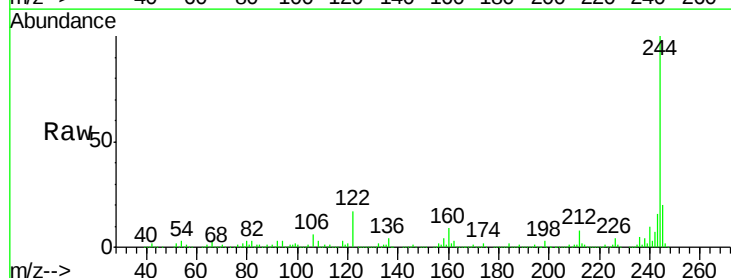
Tgt Ion:244 Resp: 727404

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

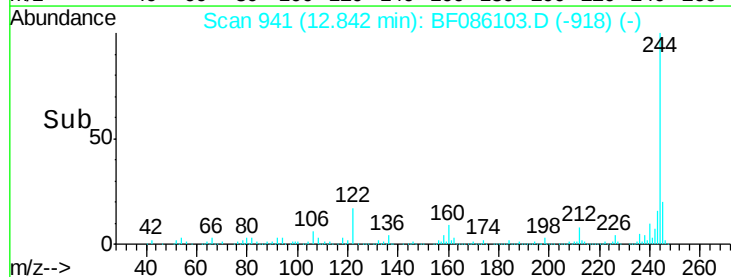
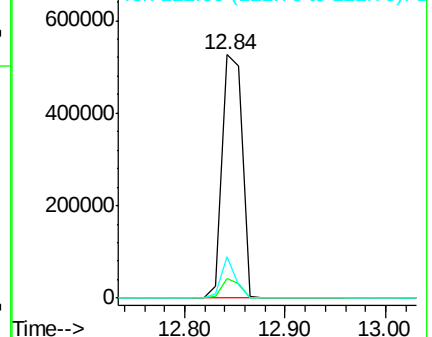
122 16.8 10.2 15.4#

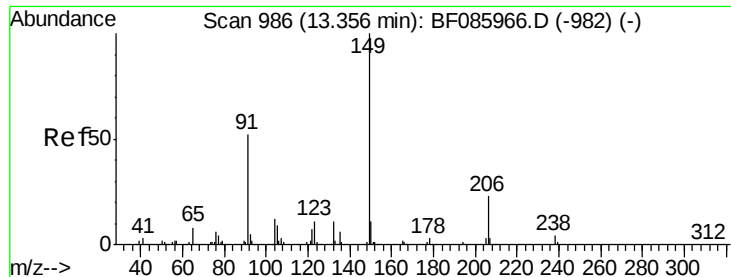


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

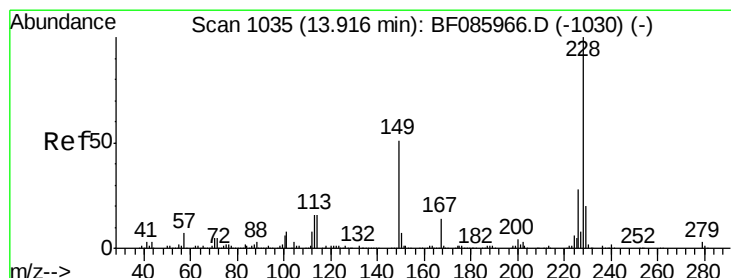
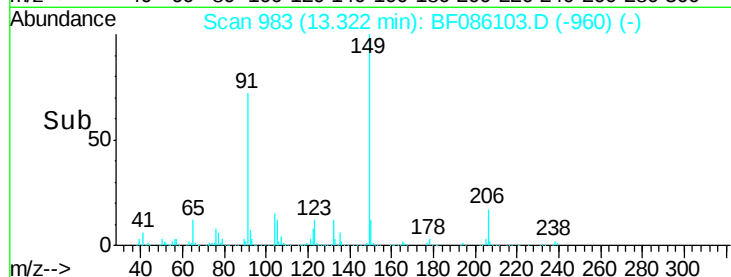
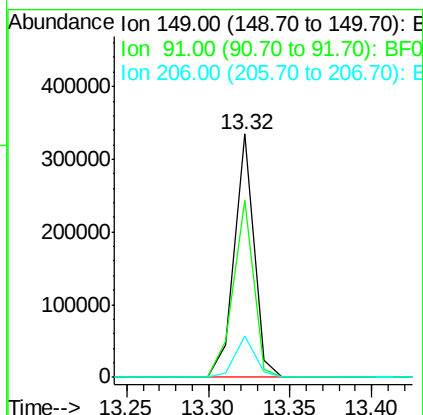
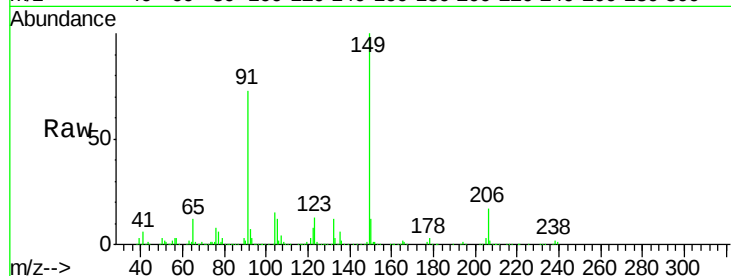




#79  
Butylbenzylphthalate  
Concen: 26.74 ng  
RT: 13.32 min Scan# 983  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

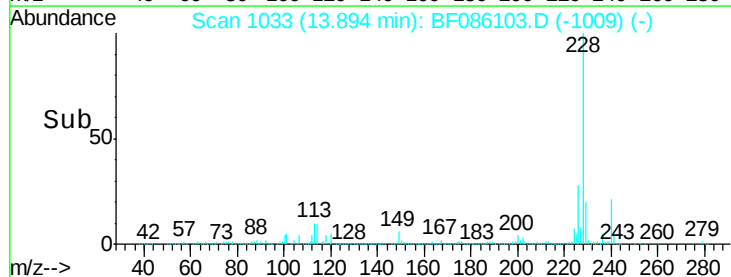
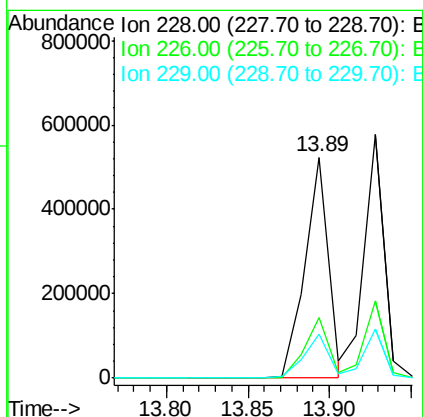
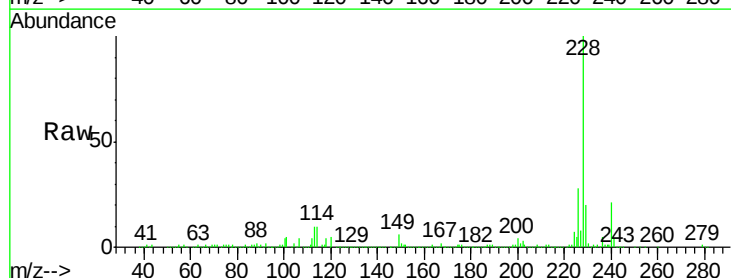
Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

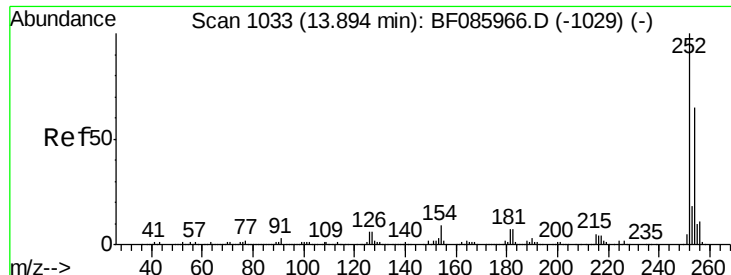
Tgt Ion:149 Resp: 277319  
Ion Ratio Lower Upper  
149 100  
91 72.7 45.8 68.8#  
206 17.3 17.8 26.8#



#80  
Benzo(a)anthracene  
Concen: 27.32 ng  
RT: 13.89 min Scan# 1033  
Delta R.T. -0.02 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Tgt Ion:228 Resp: 526388  
Ion Ratio Lower Upper  
228 100  
226 27.7 22.1 33.1  
229 19.9 16.2 24.4

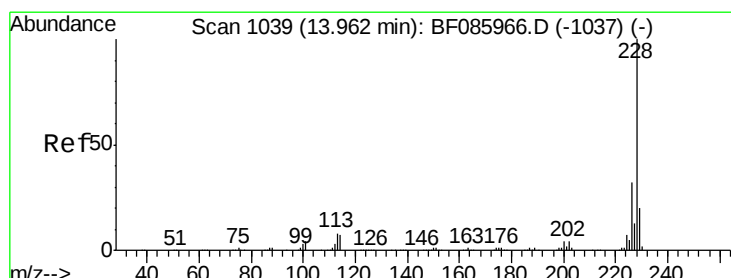
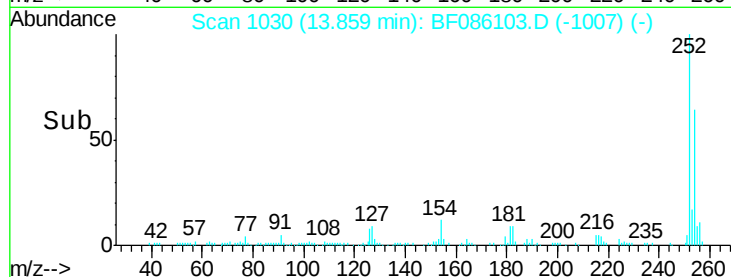
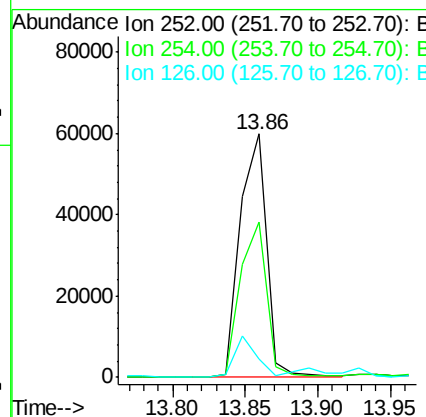
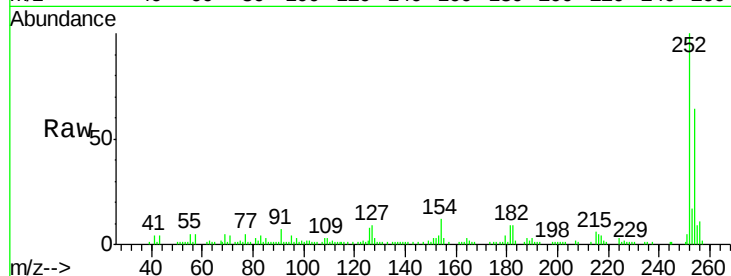




#81  
 3,3'-Dichlorobenzidine  
 Concen: 5.43 ng  
 RT: 13.86 min Scan# 1030  
 Delta R.T. -0.03 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

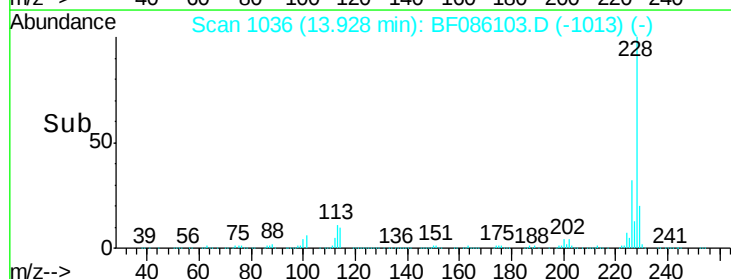
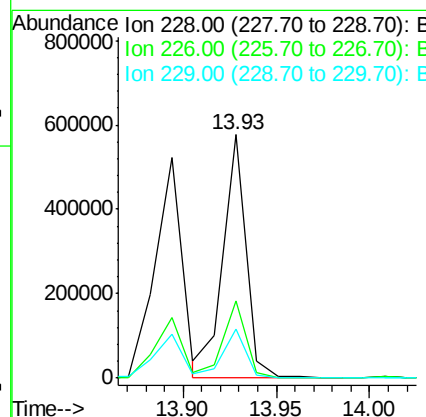
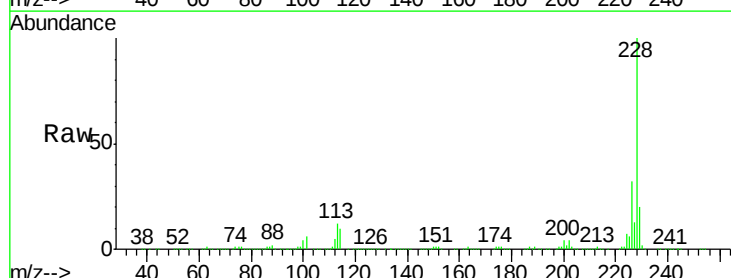
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-14MS

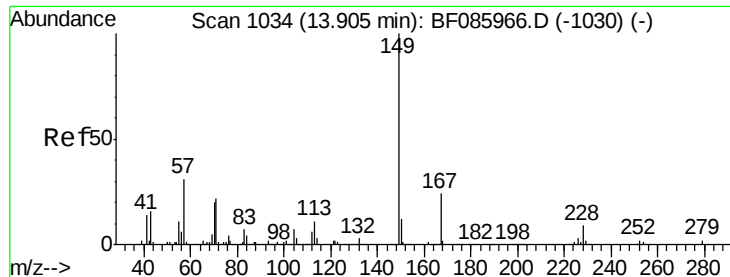
Tgt Ion: 252 Resp: 76381  
 Ion Ratio Lower Upper  
 252 100  
 254 63.5 50.7 76.1  
 126 7.7 11.8 17.6#



#82  
 Chrysene  
 Concen: 26.74 ng  
 RT: 13.93 min Scan# 1036  
 Delta R.T. -0.03 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

Tgt Ion: 228 Resp: 496252  
 Ion Ratio Lower Upper  
 228 100  
 226 31.8 25.0 37.6  
 229 20.0 15.7 23.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 26.51 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

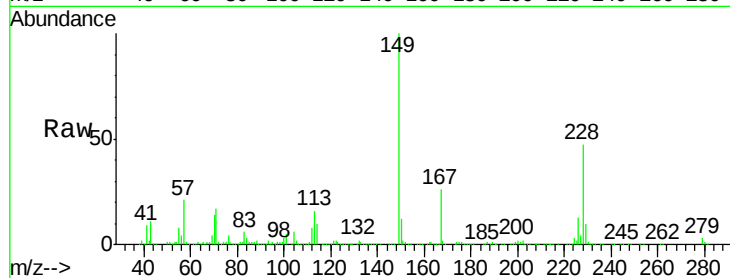
Tgt Ion:149 Resp: 364898

Ion Ratio Lower Upper

149 100

167 25.7 19.4 29.2

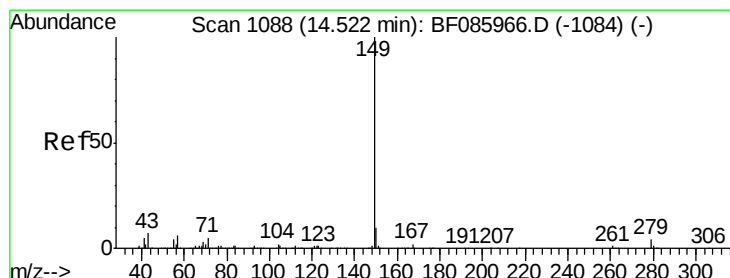
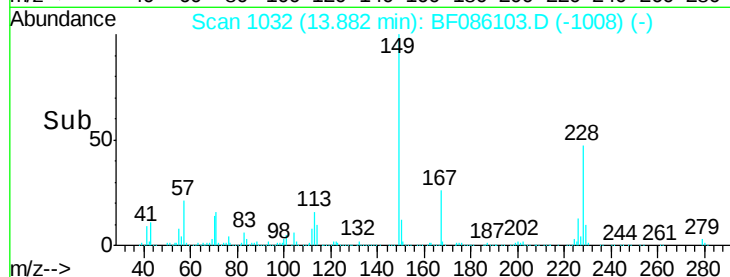
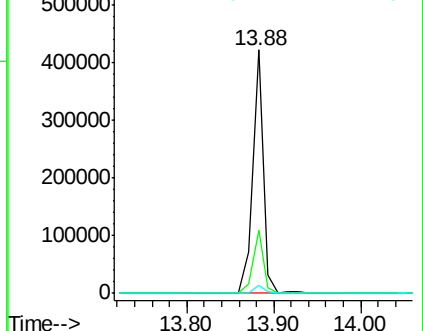
279 3.1 1.5 2.3#



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: 27.12 ng

RT: 14.49 min Scan# 1085

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

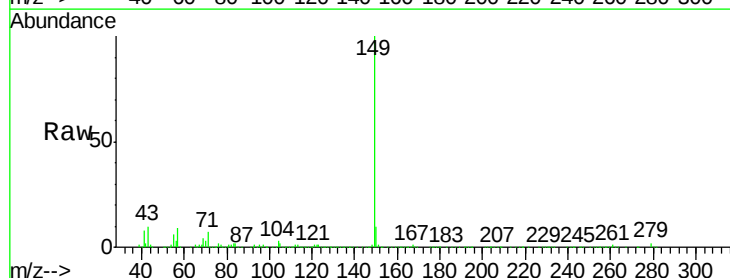
Tgt Ion:149 Resp: 596099

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

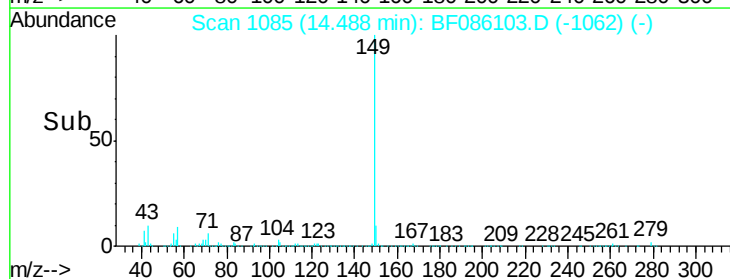
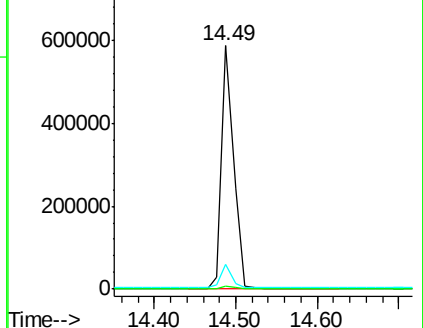
43 8.8 7.1 10.7

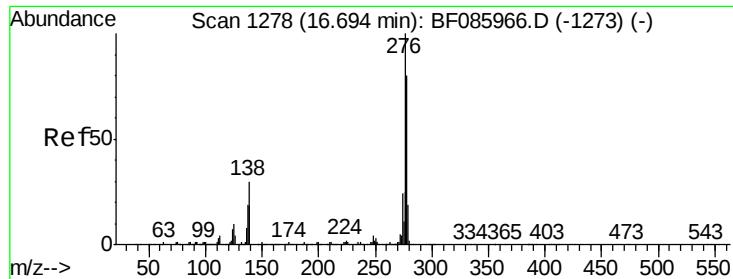


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

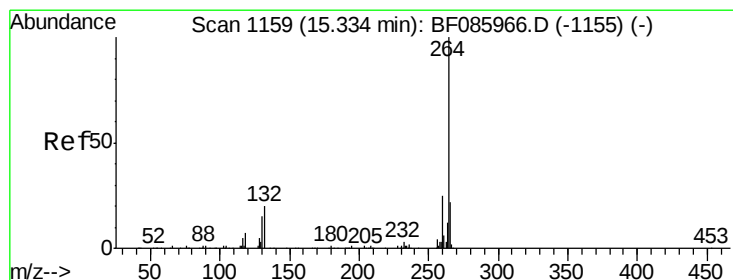
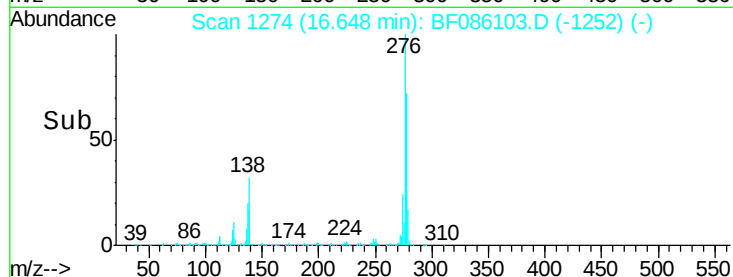
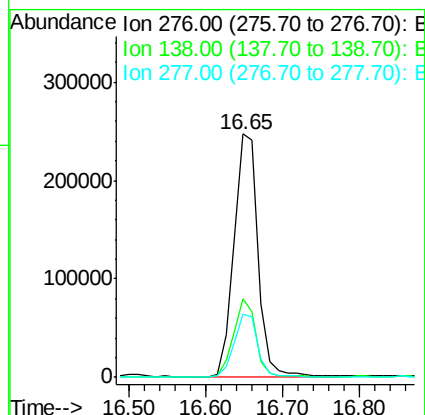
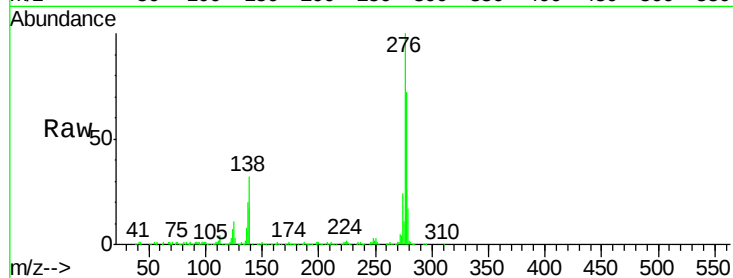




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 36.25 ng  
 RT: 16.65 min Scan# 1274  
 Delta R.T. -0.05 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

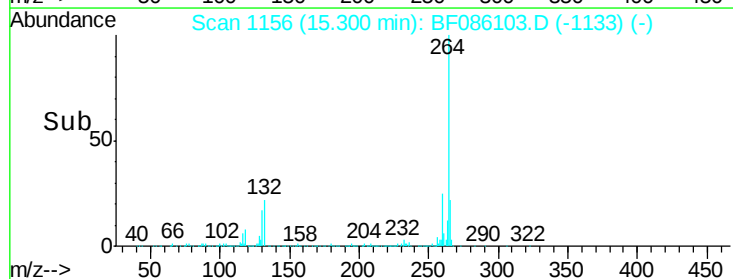
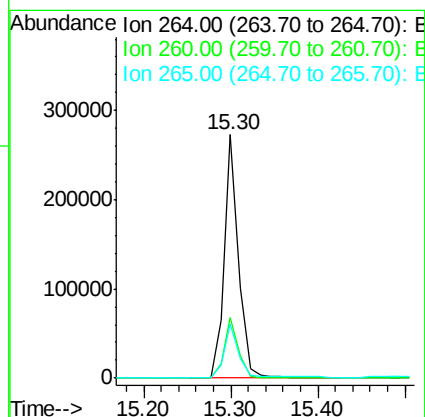
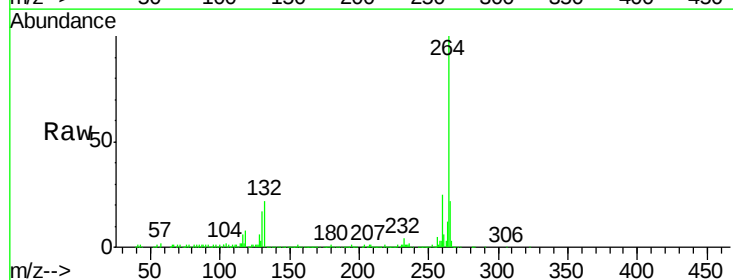
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-14MS

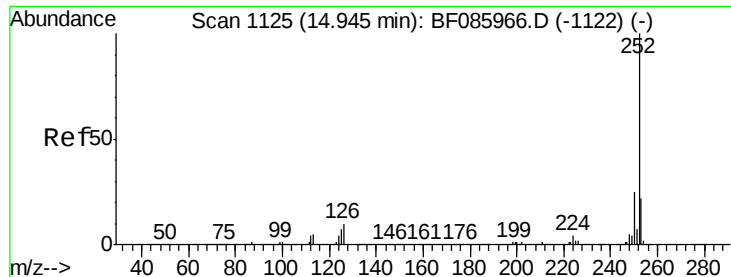
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 30.2  | 24.2  | 36.4  |
| 277     | 25.1  | 20.0  | 30.0  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.30 min Scan# 1156  
 Delta R.T. -0.03 min  
 Lab File: BF086103.D  
 Acq: 6 Apr 2016 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 19.4  | 29.2  |
| 265     | 22.3  | 17.2  | 25.8  |

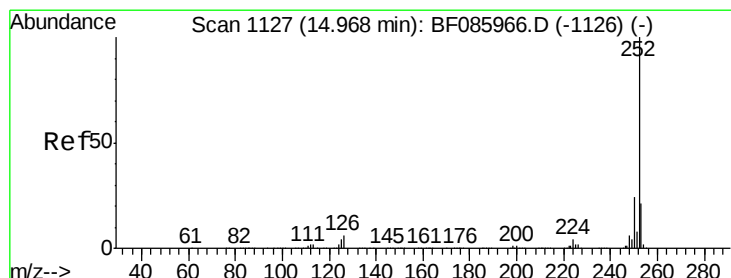
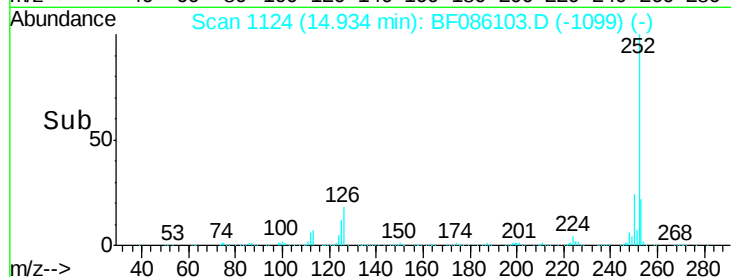
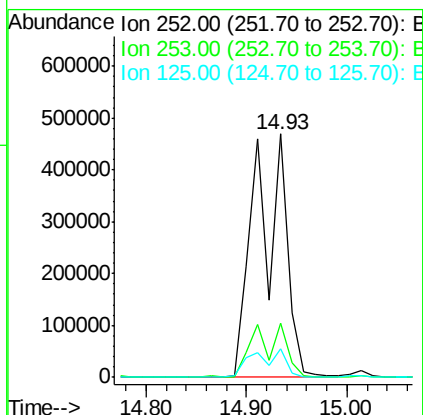
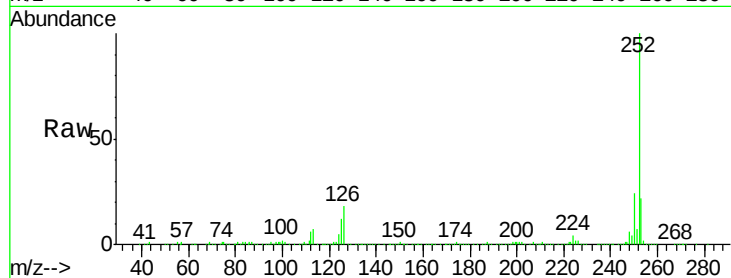




#87  
Benzo(b)fluoranthene  
Concen: 49.73 ng  
RT: 14.93 min Scan# 1124  
Delta R.T. -0.01 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

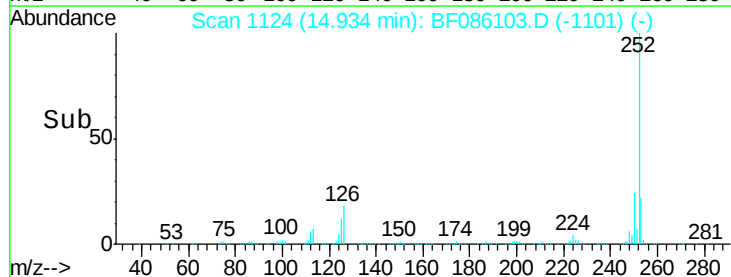
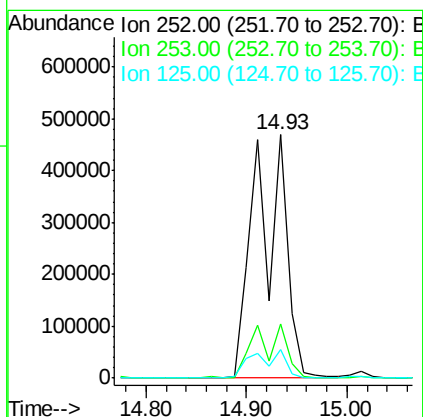
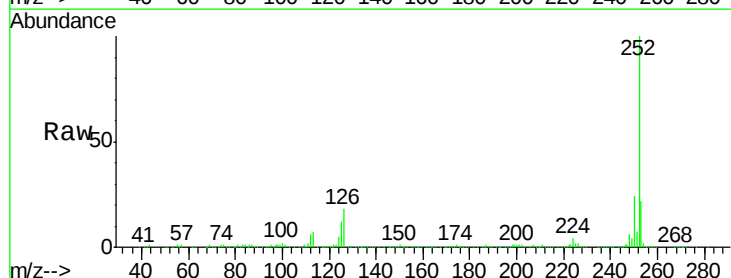
Instrument :  
BNA\_F  
ClientSampleId :  
SP-14MS

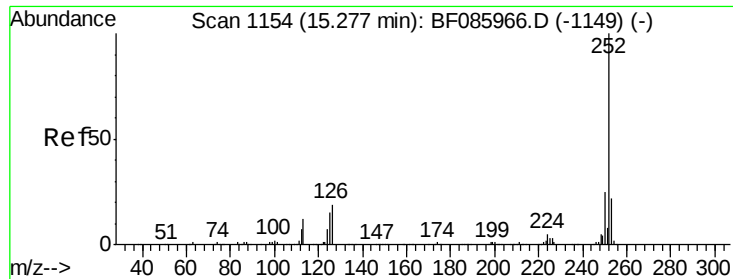
Tgt Ion:252 Resp: 987460  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.6 26.4  
125 11.8 10.3 15.5



#88  
Benzo(k)fluoranthene  
Concen: 56.16 ng  
RT: 14.93 min Scan# 1124  
Delta R.T. -0.03 min  
Lab File: BF086103.D  
Acq: 6 Apr 2016 17:41

Tgt Ion:252 Resp: 987460  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.8 26.6  
125 11.8 7.7 11.5#





#89

Benzo(a)pyrene

Concen: 27.71 ng

RT: 15.24 min Scan# 1151

Delta R.T. -0.03 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS

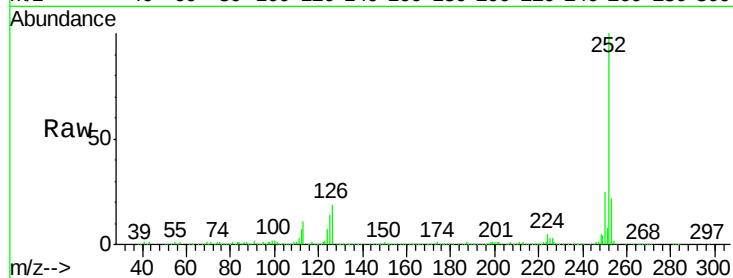
Tgt Ion:252 Resp: 487510

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

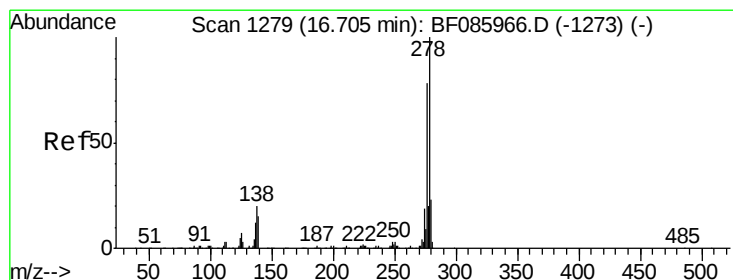
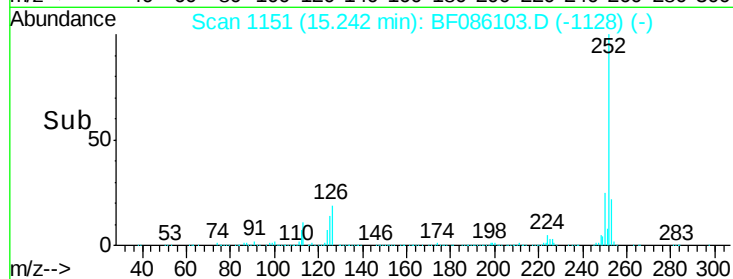
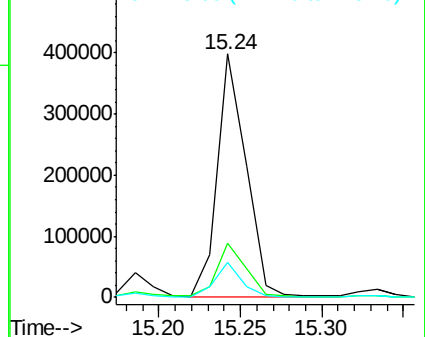
125 14.1 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 31.08 ng

RT: 16.66 min Scan# 1275

Delta R.T. -0.05 min

Lab File: BF086103.D

Acq: 6 Apr 2016 17:41

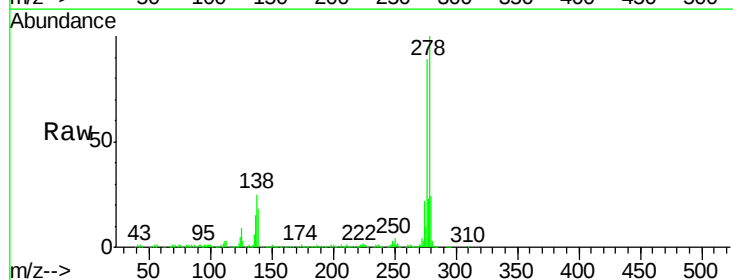
Tgt Ion:278 Resp: 439858

Ion Ratio Lower Upper

278 100

139 17.5 14.4 21.6

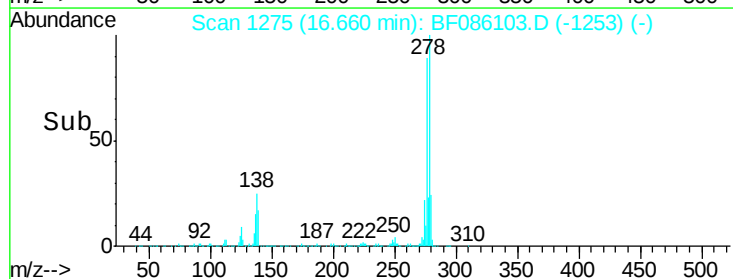
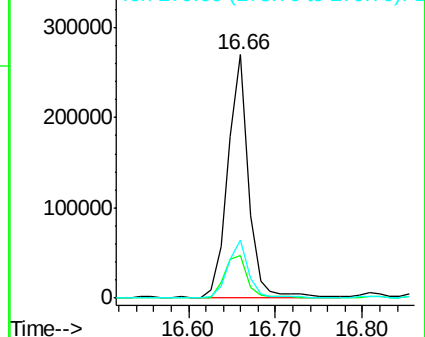
279 23.8 19.1 28.7

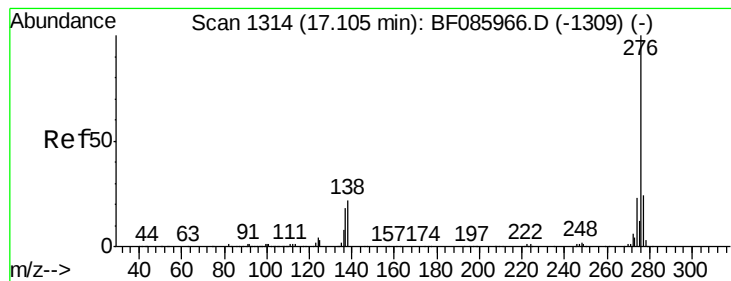


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 33.85 ng

RT: 17.05 min Scan# 1309

Delta R.T. -0.06 min

Lab File: BF086103.D

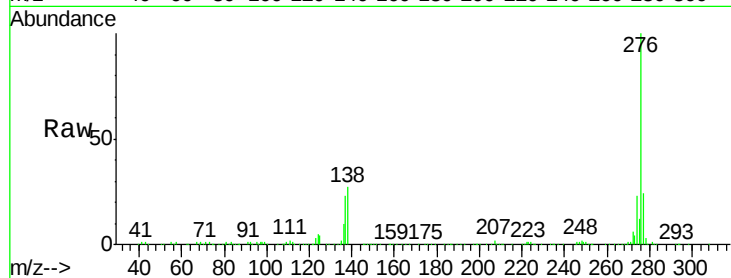
Acq: 6 Apr 2016 17:41

Instrument :

BNA\_F

ClientSampleId :

SP-14MS



Tgt Ion: 276 Resp: 463709

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 27.4 22.6 34.0

