

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090515\  
 Data File : BF081508.D  
 Acq On : 6 Sep 2015 14:16  
 Operator : UM/IZ  
 Sample : G3472-07MSD  
 Misc :  
 ALS Vial : 83 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB003MSD

Quant Time: Sep 07 01:58:16 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 01 17:35:35 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.35  | 152  | 52107    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 7.66  | 136  | 186999   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.39  | 164  | 83988    | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 10.86 | 188  | 135549   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.47 | 240  | 98772    | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 14.79 | 264  | 87262    | 20.00 | ng    | -0.01    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 4.91  | 112 | 347534 | 103.48 | ng | -0.01 |
| 7) Phenol-d6                | 6.03  | 99  | 436314 | 98.15  | ng | -0.02 |
| 23) Nitrobenzene-d5         | 6.94  | 82  | 268678 | 69.32  | ng | -0.03 |
| 41) 2,4,6-Tribromophenol    | 10.18 | 330 | 68696  | 91.86  | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 8.73  | 172 | 395911 | 60.41  | ng | -0.03 |
| 78) Terphenyl-d14           | 12.43 | 244 | 252702 | 59.56  | ng | -0.03 |

|                                |      |     |        |       |    |        |
|--------------------------------|------|-----|--------|-------|----|--------|
| Target Compounds               |      |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 1.74 | 88  | 42537  | 28.20 | ng | # 80   |
| 3) Pyridine                    | 2.27 | 79  | 103819 | 24.96 | ng | # 86   |
| 4) n-Nitrosodimethylamine      | 2.23 | 42  | 84134  | 36.41 | ng | # 65   |
| 6) Aniline                     | 6.02 | 93  | 94109  | 14.99 | ng | # 70   |
| 8) 2-Chlorophenol              | 6.15 | 128 | 127483 | 34.45 | ng | # 87   |
| 9) Benzaldehyde                | 5.90 | 77  | 90062  | 32.33 | ng | # 84   |
| 10) Phenol                     | 6.04 | 94  | 149205 | 28.94 | ng | # 19   |
| 11) bis(2-Chloroethyl)ether    | 6.11 | 93  | 147057 | 39.54 | ng | # 92   |
| 12) 1,3-Dichlorobenzene        | 6.30 | 146 | 134094 | 33.91 | ng | # 92   |
| 13) 1,4-Dichlorobenzene        | 6.38 | 146 | 134588 | 33.43 | ng | # 90   |
| 14) 1,2-Dichlorobenzene        | 6.52 | 146 | 113624 | 31.34 | ng | # 85   |
| 15) Benzyl Alcohol             | 6.52 | 79  | 119901 | 32.88 | ng | # 71   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.66 | 45  | 254685 | 35.72 | ng | # 1    |
| 17) 2-Methylphenol             | 6.66 | 107 | 102073 | 34.57 | ng | # 74   |
| 18) Hexachloroethane           | 6.87 | 117 | 51747  | 33.04 | ng | # 93   |
| 19) n-Nitroso-di-n-propylamine | 6.80 | 70  | 98910  | 32.69 | ng | # 90   |
| 20) 3+4-Methylphenols          | 6.82 | 107 | 135697 | 34.08 | ng | # 88   |
| 22) Acetophenone               | 6.79 | 105 | 189947 | 37.19 | ng | # 74   |
| 24) Nitrobenzene               | 6.96 | 77  | 161176 | 40.04 | ng | # 66   |
| 25) Isophorone                 | 7.20 | 82  | 252661 | 35.05 | ng | # 80   |
| 26) 2-Nitrophenol              | 7.28 | 139 | 61452  | 35.03 | ng | # 51   |
| 27) 2,4-Dimethylphenol         | 7.35 | 122 | 115028 | 37.96 | ng | # 81   |
| 28) bis(2-Chloroethoxy)methane | 7.43 | 93  | 145022 | 34.83 | ng | # 91   |
| 29) 2,4-Dichlorophenol         | 7.53 | 162 | 97930  | 37.27 | ng | # 93   |
| 30) 1,2,4-Trichlorobenzene     | 7.60 | 180 | 105210 | 36.86 | ng | # 96   |
| 31) Naphthalene                | 7.67 | 128 | 481201 | 48.25 | ng | # 98   |
| 32) Benzoic acid               | 7.45 | 122 | 19399  | 11.03 | ng | # 51   |
| 33) 4-Chloroaniline            | 7.75 | 127 | 56867  | 13.98 | ng | # 85   |
| 34) Hexachlorobutadiene        | 7.80 | 225 | 60737  | 34.96 | ng | # 96   |
| 35) Caprolactam                | 8.11 | 113 | 34086  | 42.30 | ng | # 2    |
| 36) 4-Chloro-3-methylphenol    | 8.25 | 107 | 111534 | 37.92 | ng | # 78   |
| 37) 2-Methylnaphthalene        | 8.36 | 142 | 325915 | 50.22 | ng | # 89   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.54 | 216 | 87832  | 33.07 | ng | # 98   |
| 40) Hexachlorocyclopentadiene  | 8.51 | 237 | 12829  | 9.84  | ng | # 93   |

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 Misc :  
 ALS Vial : 83 Sample Multiplier: 1

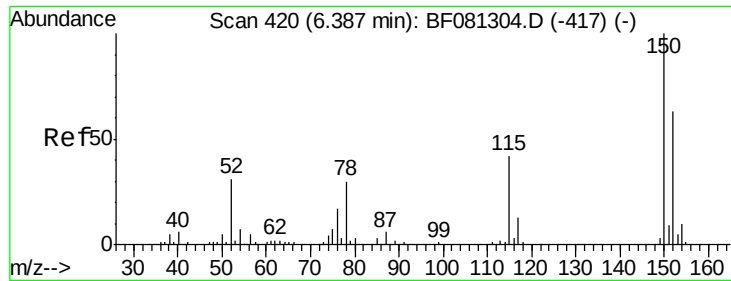
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB003MSD

Quant Time: Sep 07 01:58:16 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 01 17:35:35 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.65  | 196  | 58314    | 31.81  | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 8.70  | 196  | 59108    | 31.61  | nq #  | 69       |
| 45) 1,1'-Biphenyl              | 8.83  | 154  | 277209   | 35.88  | nq    | 94       |
| 46) 2-Chloronaphthalene        | 8.84  | 162  | 186942   | 33.50  | nq #  | 87       |
| 47) 2-Nitroaniline             | 8.96  | 65   | 87104    | 38.30  | nq #  | 68       |
| 48) Acenaphthylene             | 9.26  | 152  | 373835   | 37.76  | nq    | 96       |
| 49) Dimethylphthalate          | 9.14  | 163  | 330875   | 50.71  | nq #  | 97       |
| 50) 2,6-Dinitrotoluene         | 9.21  | 165  | 39263    | 26.51  | nq    | 94       |
| 51) Acenaphthene               | 9.43  | 154  | 285143   | 50.63  | nq    | 90       |
| 52) 3-Nitroaniline             | 9.37  | 138  | 40487    | 24.01  | nq #  | 81       |
| 53) 2,4-Dinitrophenol          | 9.48  | 184  | 4663     | 7.47   | nq #  | 28       |
| 54) Dibenzofuran               | 9.60  | 168  | 378483   | 46.03  | nq #  | 86       |
| 55) 4-Nitrophenol              | 9.60  | 139  | 220609   | 208.27 | nq #  | 33       |
| 56) 2,4-Dinitrotoluene         | 9.60  | 165  | 56957    | 30.20  | nq #  | 1        |
| 57) Fluorene                   | 9.93  | 166  | 289649   | 46.42  | nq    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.72  | 232  | 45515    | 31.88  | nq #  | 82       |
| 59) Diethylphthalate           | 9.84  | 149  | 220297   | 32.09  | nq    | 95       |
| 60) 4-Chlorophenyl-phenylether | 9.94  | 204  | 101893   | 35.03  | nq    | 96       |
| 61) 4-Nitroaniline             | 9.98  | 138  | 47039    | 27.61  | nq #  | 46       |
| 62) Azobenzene                 | 10.09 | 77   | 239617   | 31.40  | nq    | 88       |
| 64) 4,6-Dinitro-2-methylphenol | 10.01 | 198  | 5771     | 7.61   | nq #  | 58       |
| 65) n-Nitrosodiphenylamine     | 10.06 | 169  | 196935   | 39.93  | nq    | 94       |
| 66) 4-Bromophenyl-phenylether  | 10.42 | 248  | 51347    | 37.46  | nq    | 98       |
| 67) Hexachlorobenzene          | 10.48 | 284  | 47420    | 33.09  | nq #  | 88       |
| 68) Atrazine                   | 10.60 | 200  | 49253    | 34.51  | nq    | 83       |
| 69) Pentachlorophenol          | 10.68 | 266  | 49348    | 71.75  | nq    | 99       |
| 70) Phenanthrene               | 10.89 | 178  | 1194777  | 158.55 | nq    | 95       |
| 71) Anthracene                 | 10.94 | 178  | 508828   | 65.72  | nq    | 97       |
| 72) Carbazole                  | 11.10 | 167  | 328592   | 45.23  | nq #  | 94       |
| 73) Di-n-butylphthalate        | 11.45 | 149  | 339746   | 39.60  | nq #  | 98       |
| 74) Fluoranthene               | 12.07 | 202  | 1445486  | 177.19 | nq    | 92       |
| 77) Pyrene                     | 12.07 | 202  | 1445486  | 197.57 | nq    | 96       |
| 79) Butylbenzylphthalate       | 12.94 | 149  | 371552   | 116.77 | nq    | 97       |
| 80) Benzo(a)anthracene         | 13.46 | 228  | 812733   | 129.21 | nq    | 92       |
| 81) 3,3'-Dichlorobenzidine     | 13.44 | 252  | 30555    | 14.40  | nq    | 97       |
| 82) Chrysene                   | 13.51 | 228  | 648126   | 114.95 | nq    | 92       |
| 83) Bis(2-ethylhexyl)phthalate | 13.50 | 149  | 227033   | 54.07  | nq #  | 90       |
| 84) Di-n-octyl phthalate       | 14.10 | 149  | 260031   | 37.61  | nq    | 95       |
| 85) Indeno(1,2,3-cd)pyrene     | 15.87 | 276  | 331287   | 80.08  | nq #  | 84       |
| 87) Benzo(b)fluoranthene       | 14.47 | 252  | 1153241  | 185.11 | nq #  | 86       |
| 88) Benzo(k)fluoranthene       | 14.47 | 252  | 1153241  | 223.09 | nq #  | 87       |
| 89) Benzo(a)pyrene             | 14.74 | 252  | 515254   | 97.60  | nq #  | 85       |
| 90) Dibenzo(a,h)anthracene     | 15.89 | 278  | 196242   | 48.11  | nq #  | 75       |
| 91) Benzo(g,h,i)perylene       | 16.19 | 276  | 260223   | 66.84  | nq #  | 74       |

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



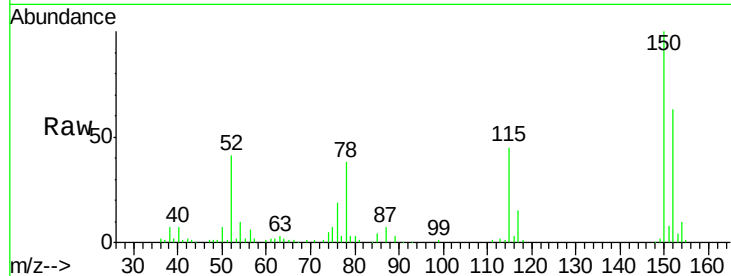


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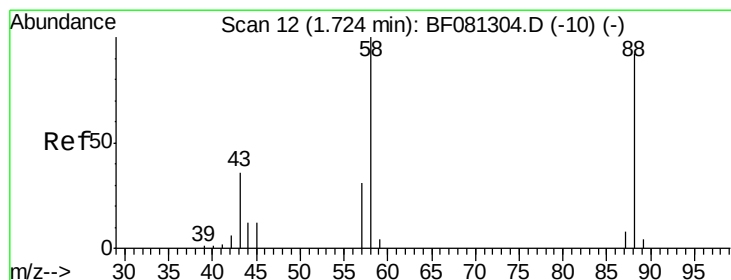
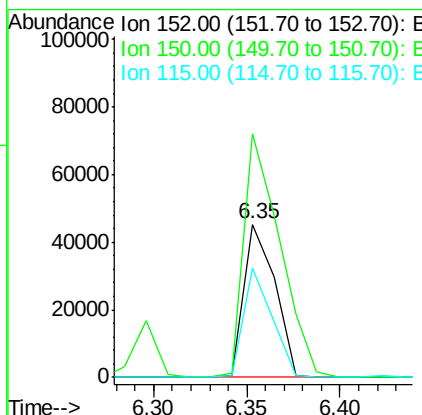
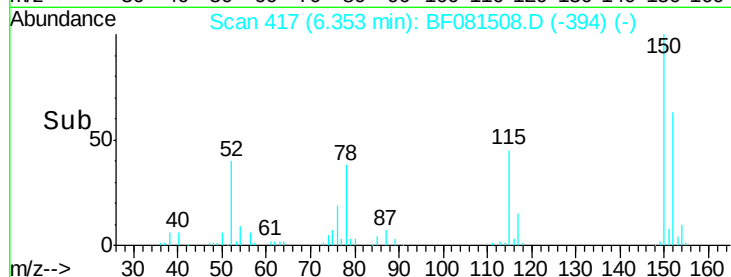
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.35 min Scan# 417  
Delta R.T. -0.03 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

Instrument :  
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SB003MSD

Tot Ion:152 Resp: 52107  
Ion Ratio Lower Upper  
152 100  
150 158.9 124.7 187.1  
115 71.0 39.0 58.4#



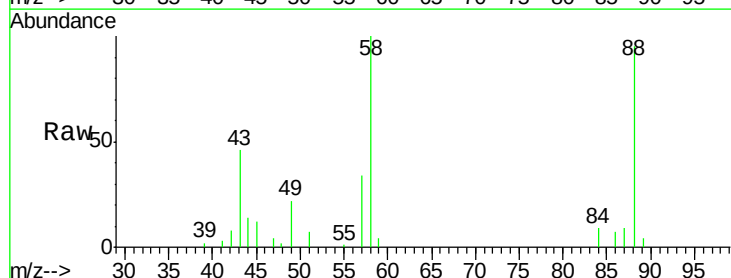
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



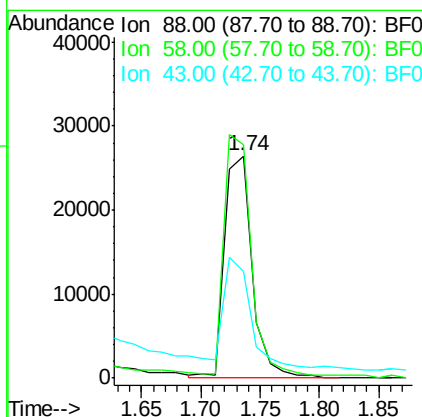
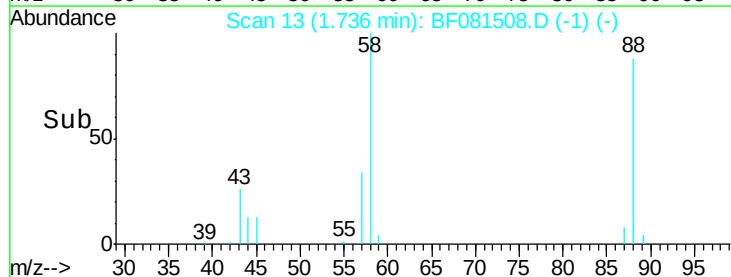
#2

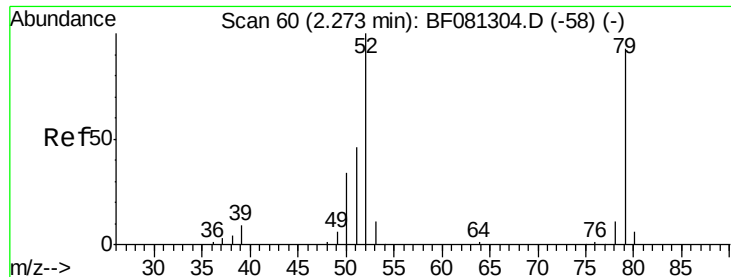
1,4-Dioxane  
Concen: 28.20 ng  
RT: 1.74 min Scan# 13  
Delta R.T. 0.01 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

Tgt Ion: 88 Resp: 42537  
Ion Ratio Lower Upper  
88 100  
58 112.0 77.7 116.5  
43 53.3 26.6 40.0#



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





#3

Pvridine

Concen: 24.96 ng

RT: 2.27 min Scan# 60

Delta R.T. 0.00 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

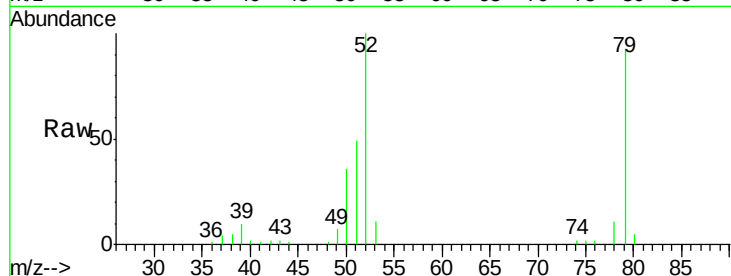
Tot Ion: 79 Resp: 103819

Ion Ratio Lower Upper

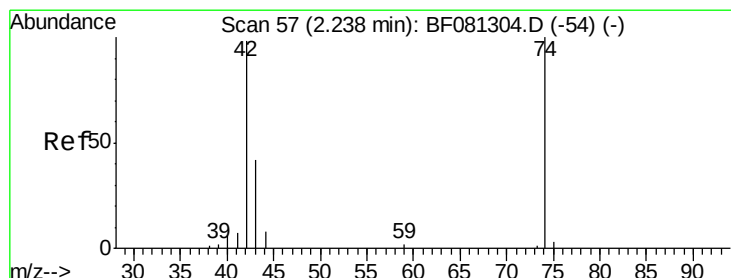
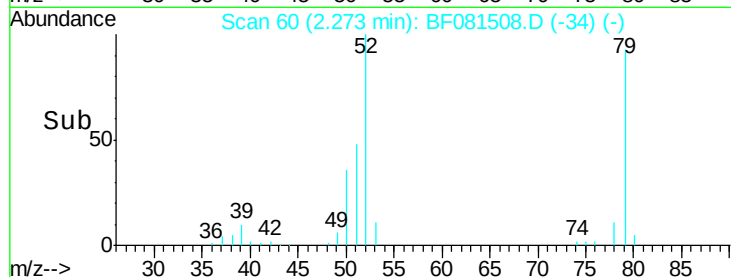
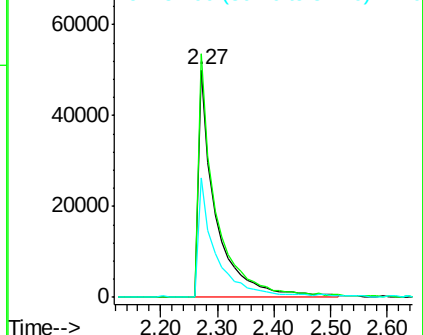
79 100

52 107.0 76.8 115.2

51 52.4 32.2 48.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0  
Ion 52.00 (51.70 to 52.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 36.41 ng

RT: 2.23 min Scan# 56

Delta R.T. -0.01 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

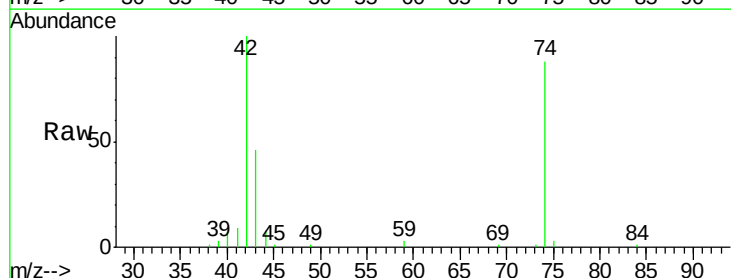
Tgt Ion: 42 Resp: 84134

Ion Ratio Lower Upper

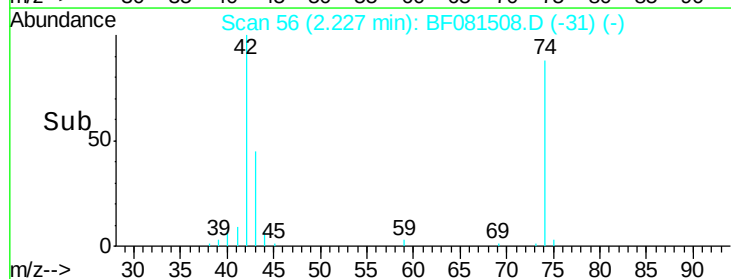
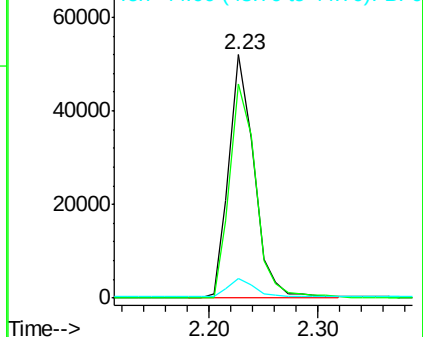
42 100

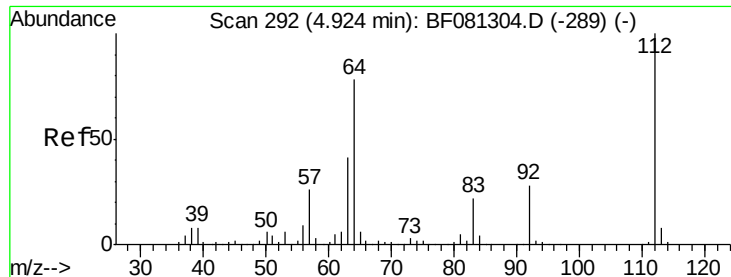
74 88.0 105.0 157.6#

44 8.1 6.6 10.0



Abundance Ion 42.00 (41.70 to 42.70): BF0  
Ion 74.00 (73.70 to 74.70): BF0  
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 103.48 ng

RT: 4.91 min Scan# 291

Delta R.T. -0.01 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampled :

SB003MSD

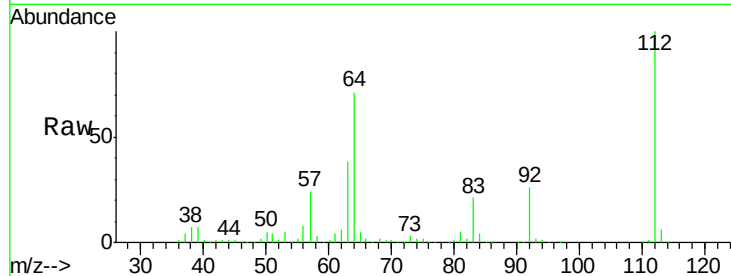
Tot Ion: 112 Resp: 347534

Ion Ratio Lower Upper

112 100

64 70.7 39.7 59.5#

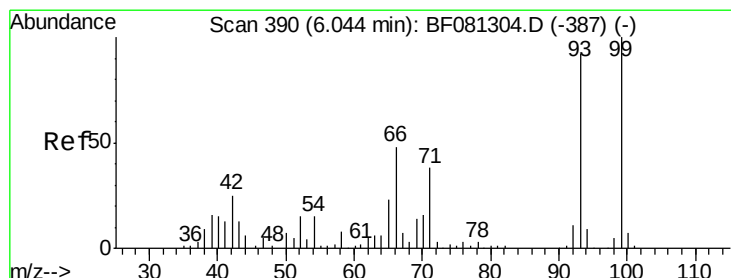
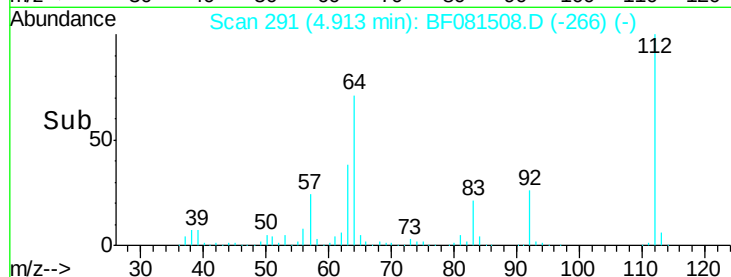
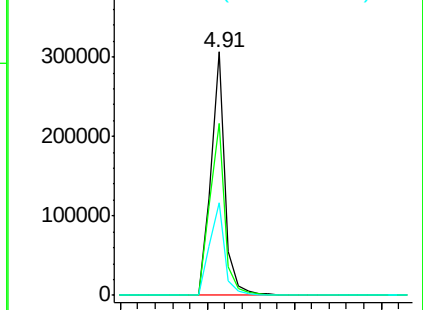
63 37.8 17.4 26.0#



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: 14.99 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

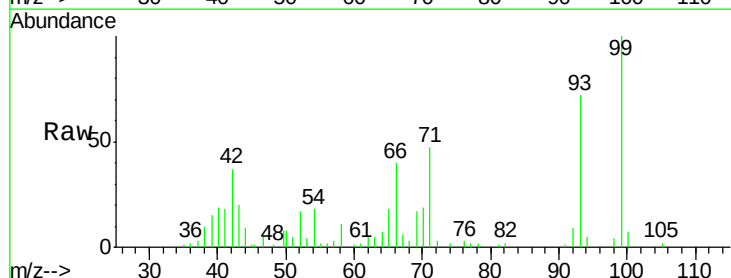
Tgt Ion: 93 Resp: 94109

Ion Ratio Lower Upper

93 100

66 55.4 27.2 40.8#

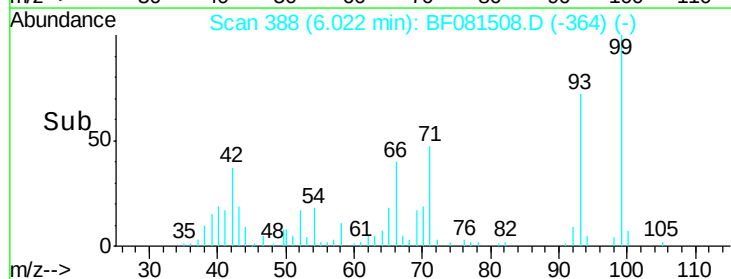
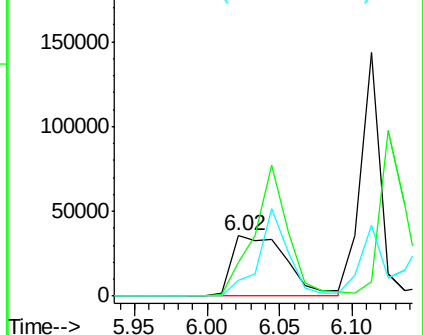
65 25.4 14.7 22.1#

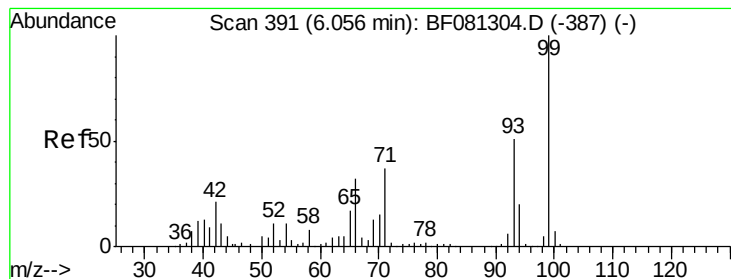


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 98.15 ng

RT: 6.03 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

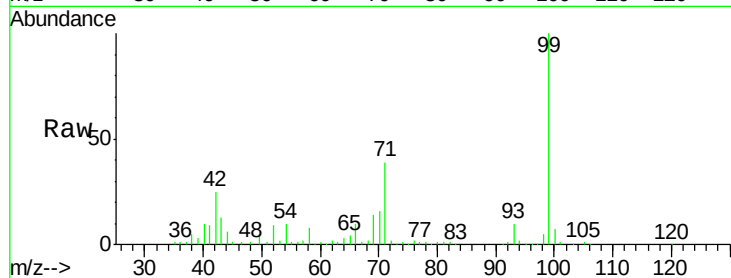
Tot Ion: 99 Resp: 436314

Ion Ratio Lower Upper

99 100

42 24.9 13.7 20.5#

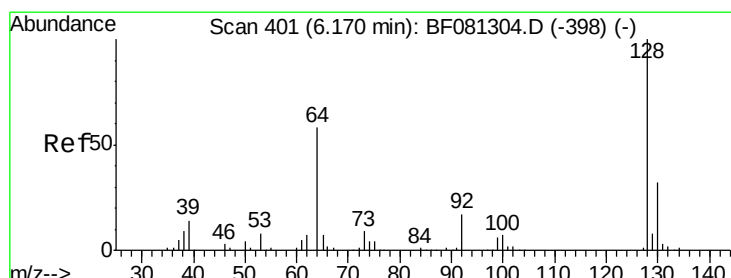
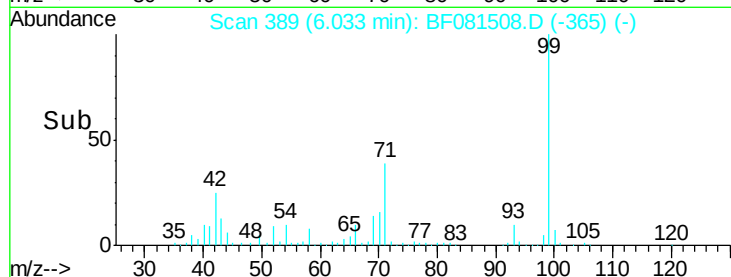
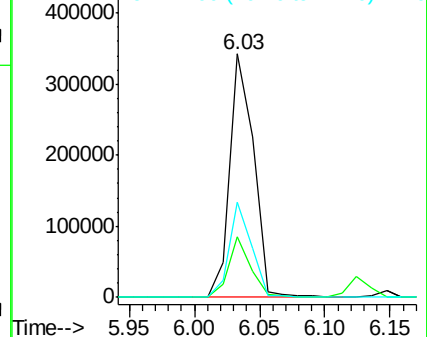
71 38.9 14.2 21.2#



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: 34.45 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

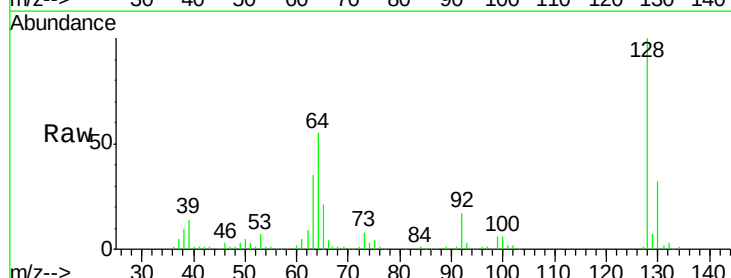
Tgt Ion: 128 Resp: 127483

Ion Ratio Lower Upper

128 100

130 32.3 12.2 52.2

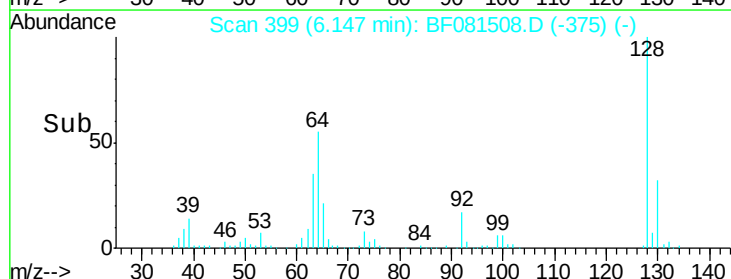
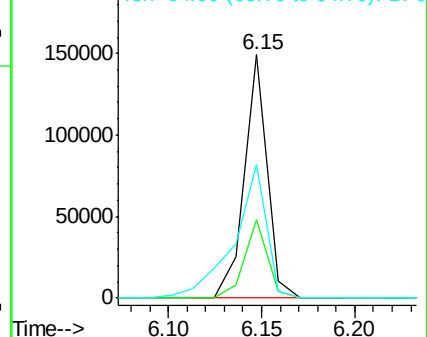
64 54.6 20.5 60.5



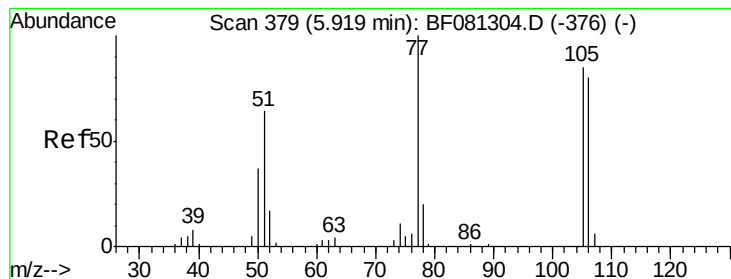
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0







#9

Benzaldehyde

Concen: 32.33 ng

RT: 5.90 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

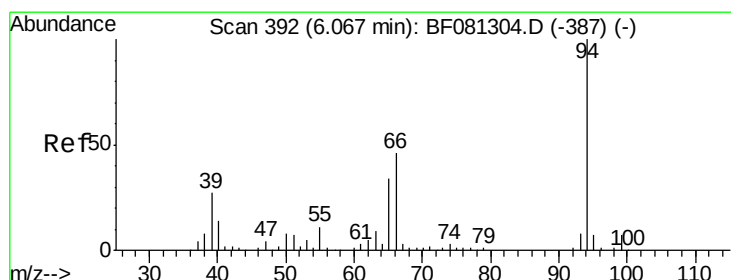
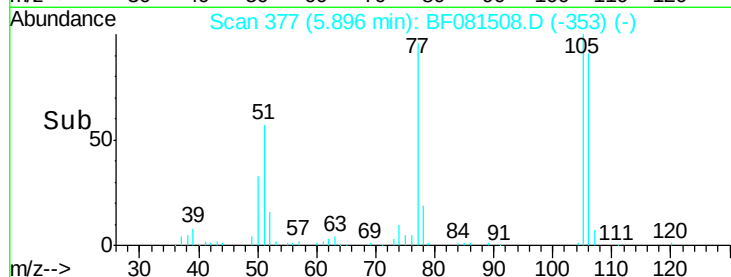
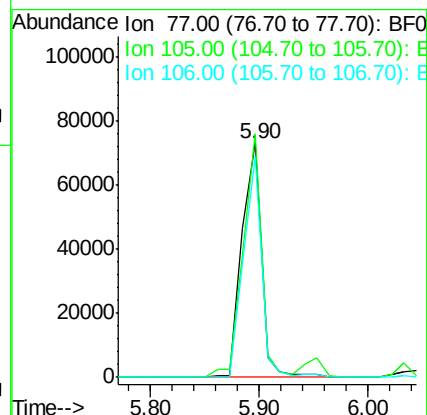
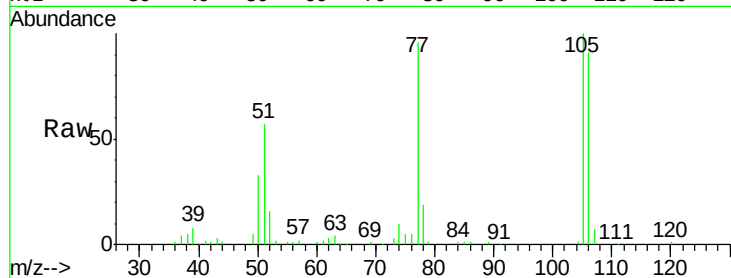
Tot Ion: 77 Resp: 90062

Ion Ratio Lower Upper

77 100

105 104.0 91.6 131.6

106 94.5 102.6 142.6#



#10

Phenol

Concen: 28.94 ng

RT: 6.04 min Scan# 390

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

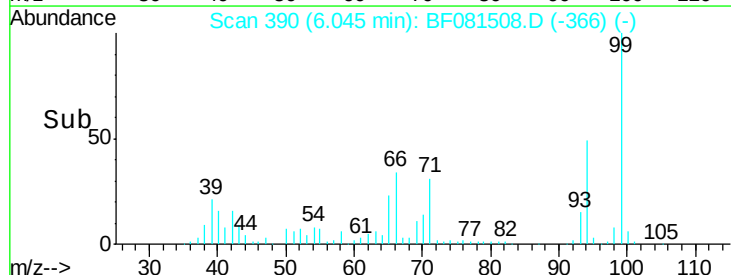
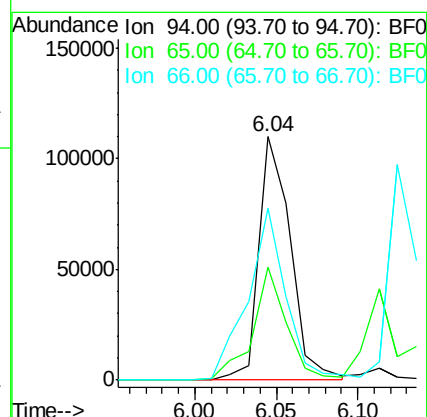
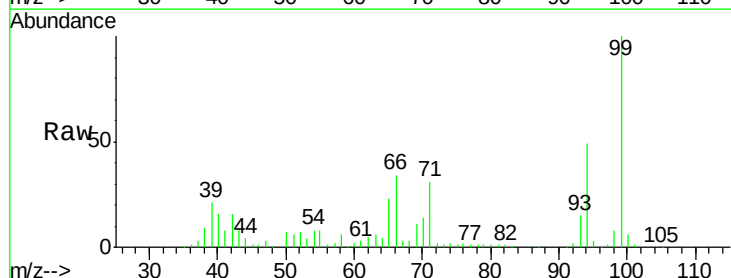
Tgt Ion: 94 Resp: 149205

Ion Ratio Lower Upper

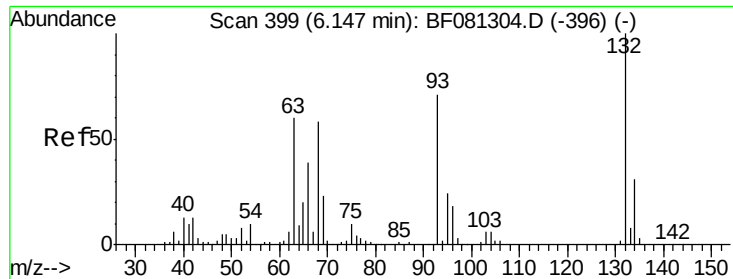
94 100

65 46.5 0.7 40.7#

66 70.5 0.8 40.8#







#11

bis(2-Chloroethyl)ether

Concen: 39.54 ng

RT: 6.11 min Scan# 396

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

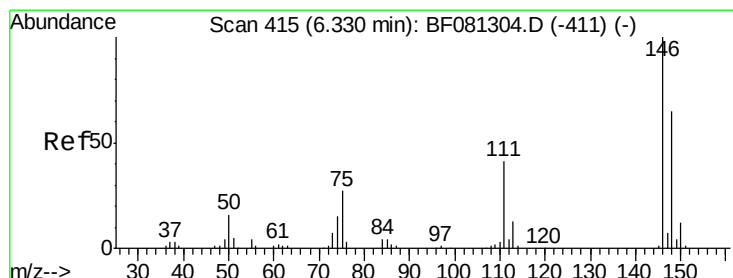
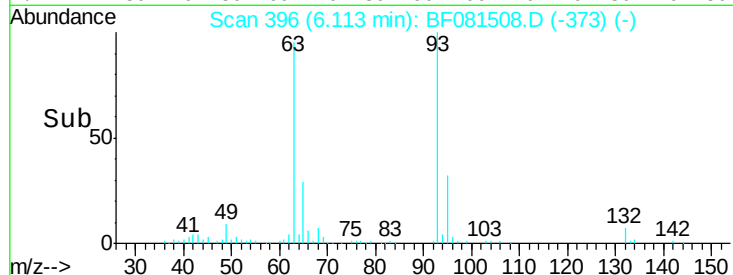
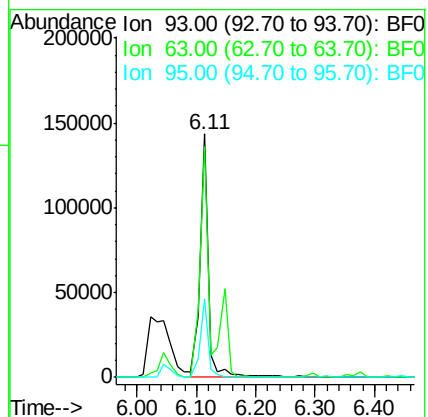
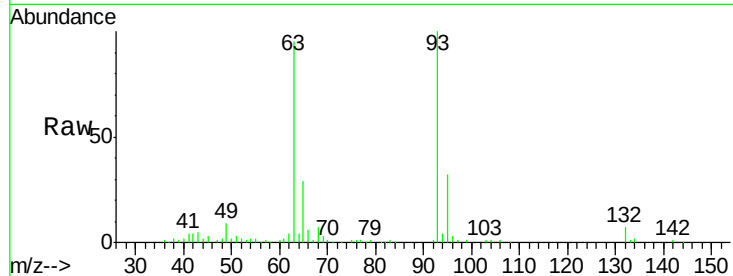
Tot Ion: 93 Resp: 147057

Ion Ratio Lower Upper

93 100

63 95.1 65.6 105.6

95 32.1 13.6 53.6



#12

1,3-Dichlorobenzene

Concen: 33.91 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

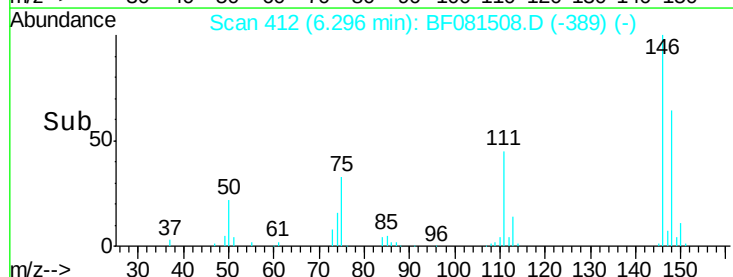
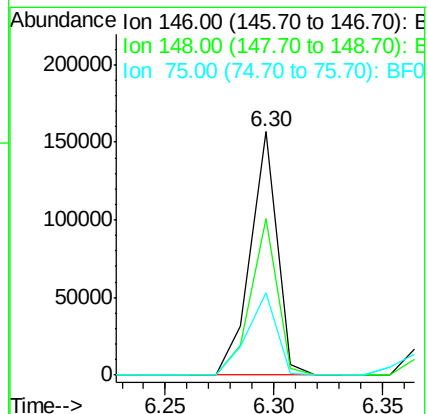
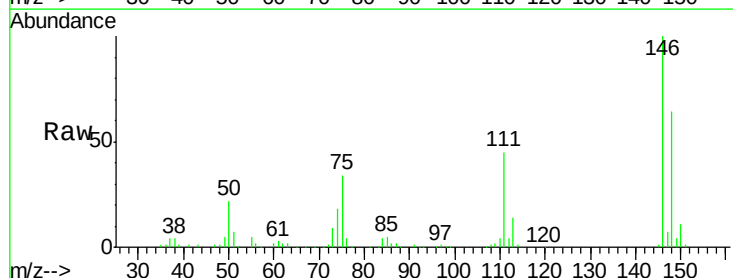
Tgt Ion: 146 Resp: 134094

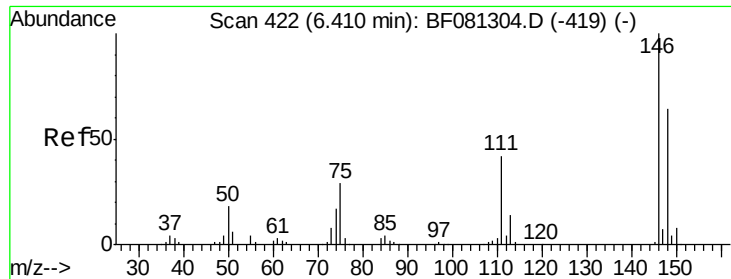
Ion Ratio Lower Upper

146 100

148 64.2 51.0 76.4

75 33.6 15.0 22.6#

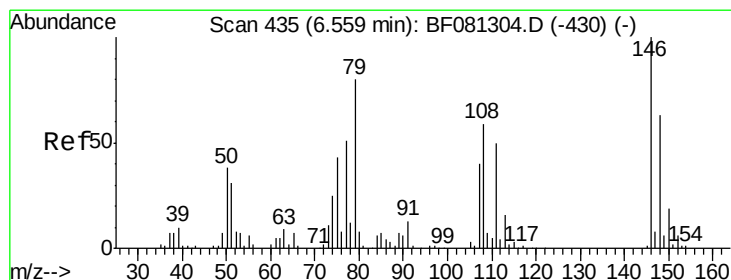
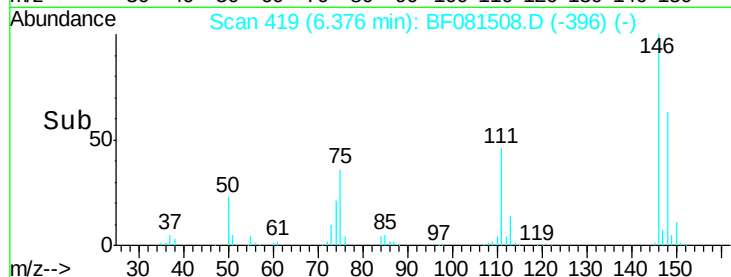
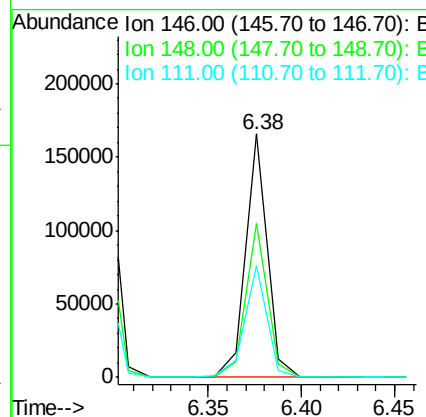
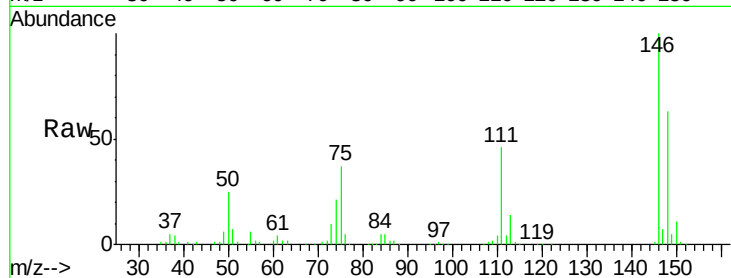




#13  
 1,4-Dichlorobenzene  
 Concen: 33.43 ng  
 RT: 6.38 min Scan# 419  
 Delta R.T. -0.03 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

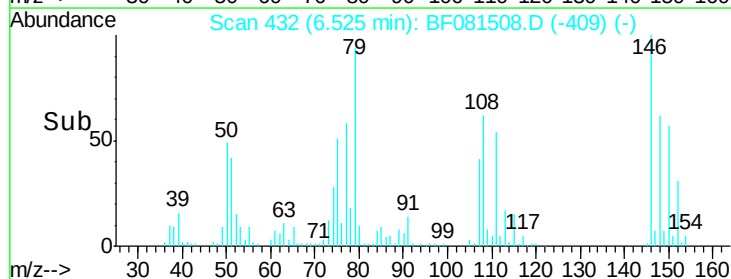
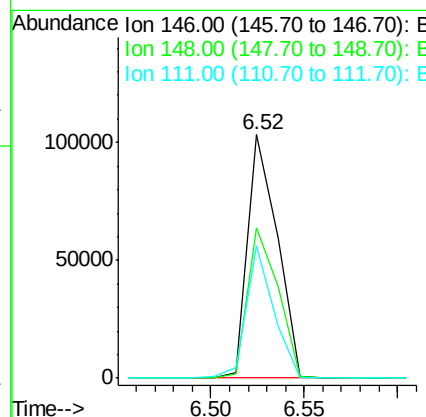
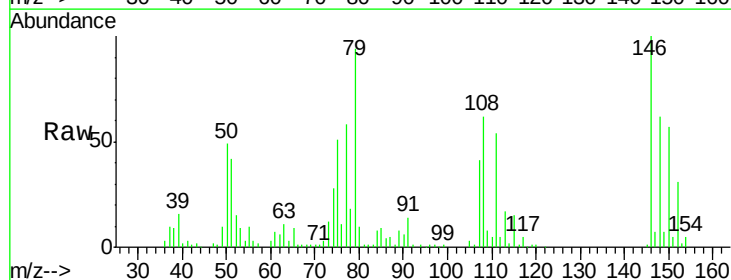
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB003MSD

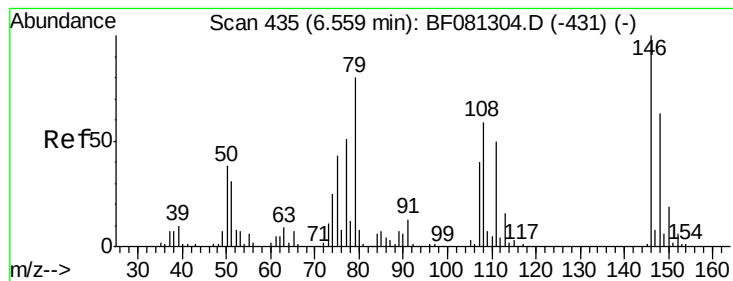
Tot Ion:146 Resp: 134588  
 Ion Ratio Lower Upper  
 146 100  
 148 63.2 51.8 77.6  
 111 45.7 24.9 37.3#



#14  
 1,2-Dichlorobenzene  
 Concen: 31.34 ng  
 RT: 6.52 min Scan# 432  
 Delta R.T. -0.03 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

Tgt Ion:146 Resp: 113624  
 Ion Ratio Lower Upper  
 146 100  
 148 61.7 52.7 79.1  
 111 54.5 28.8 43.2#





#15

Benzyl Alcohol

Concen: 32.88 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

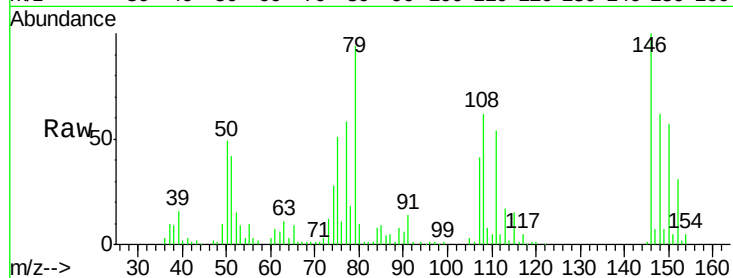
Tot Ion: 79 Resp: 119901

Ion Ratio Lower Upper

79 100

108 65.7 88.6 132.8#

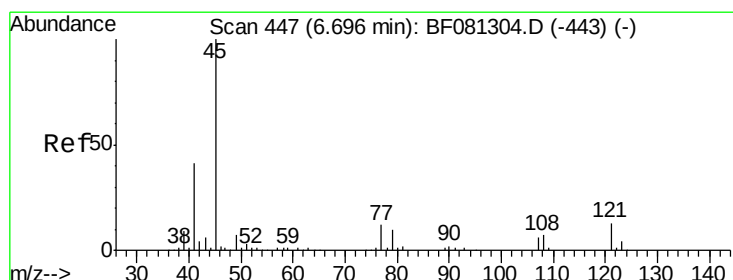
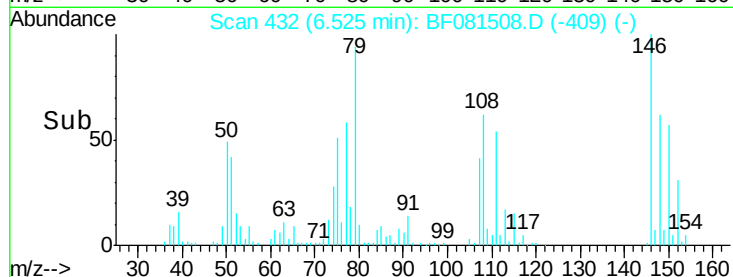
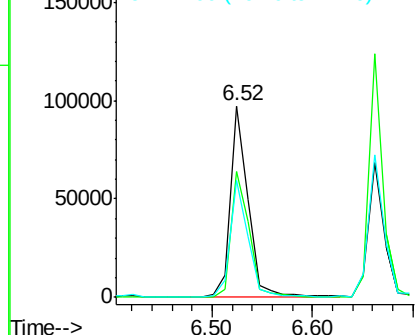
77 61.4 47.0 70.4



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 35.72 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

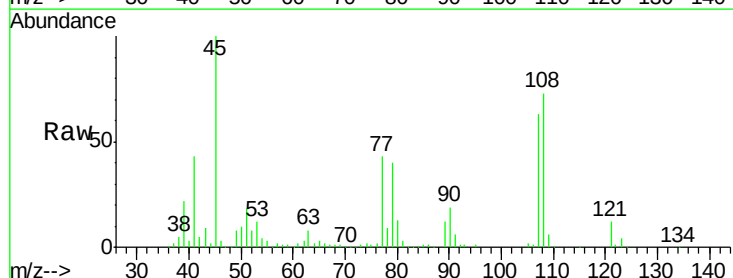
Tgt Ion: 45 Resp: 254685

Ion Ratio Lower Upper

45 100

77 42.7 0.0 28.1#

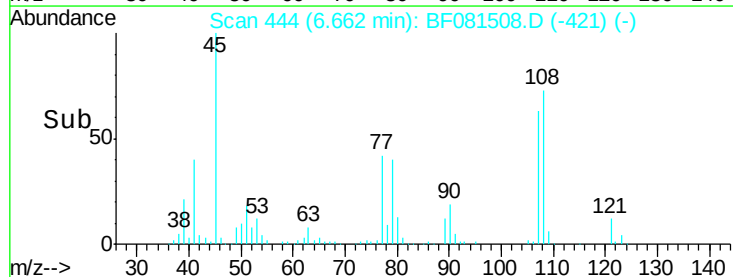
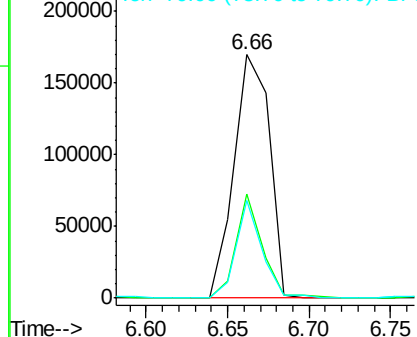
79 40.3 0.0 26.0#

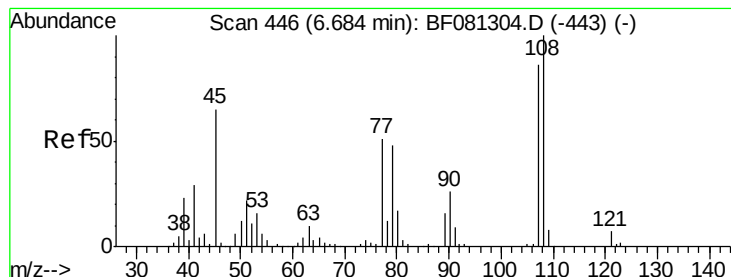


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

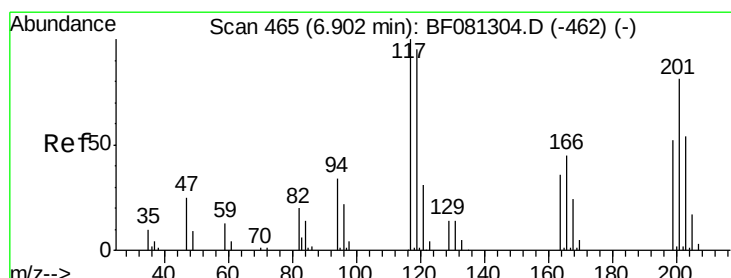
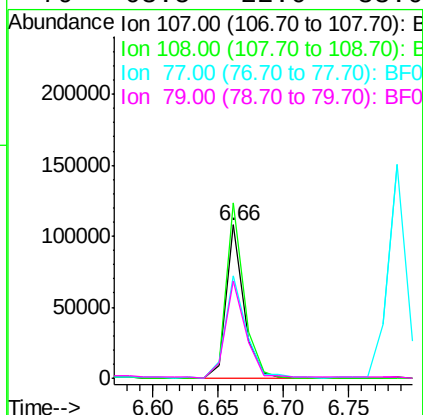
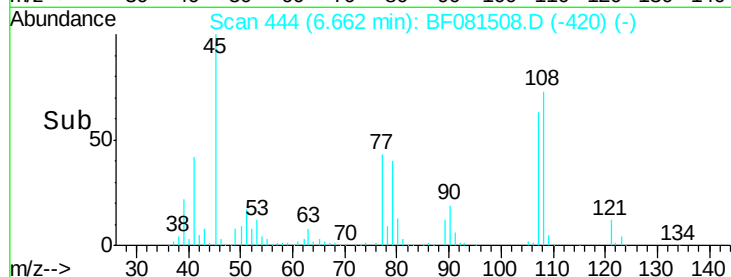
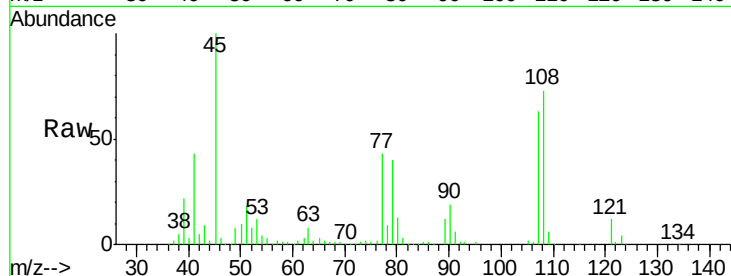




#17  
2-Methylphenol  
Concen: 34.57 ng  
RT: 6.66 min Scan# 444  
Delta R.T. -0.02 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

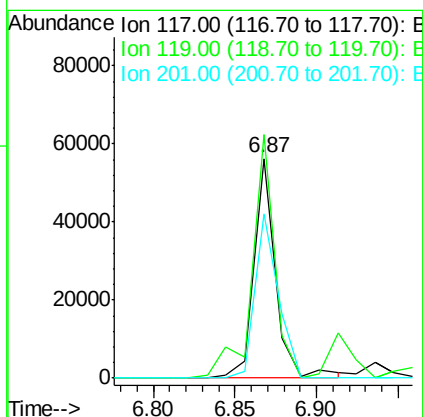
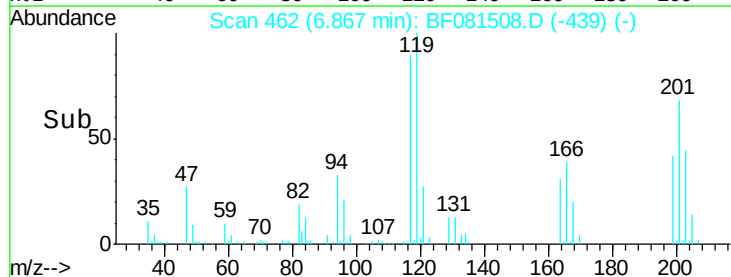
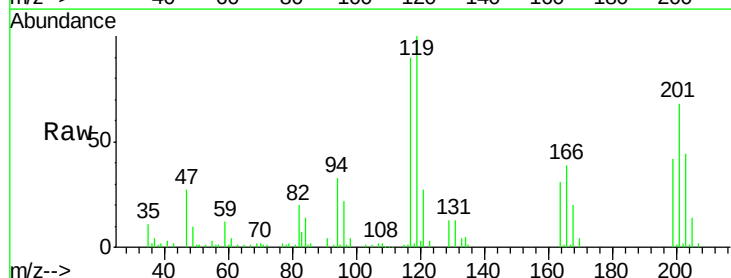
Instrument :  
BNA\_F  
ClientSampleId :  
SB003MSD

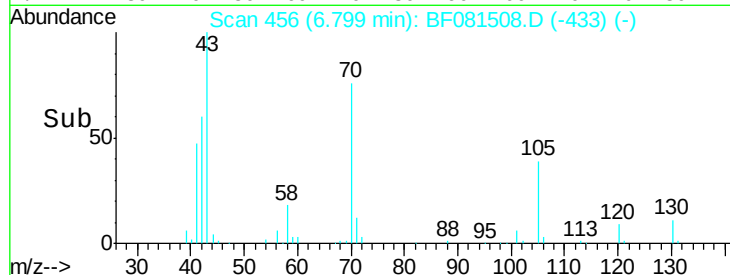
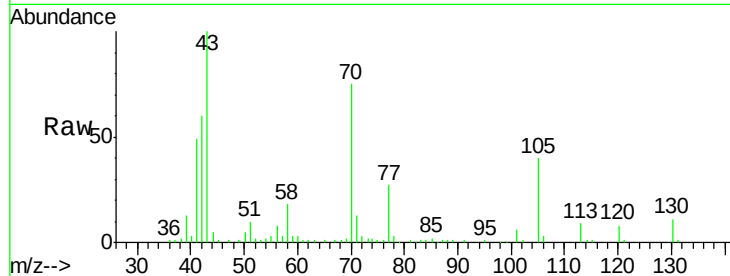
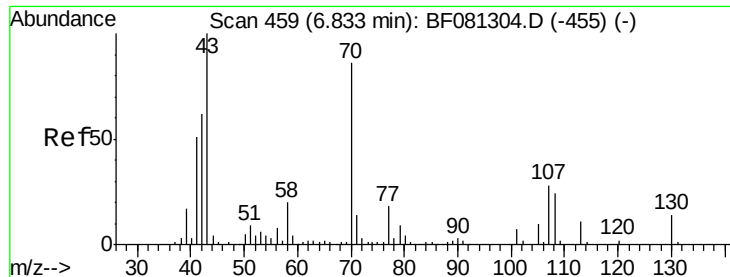
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 114.8 | 96.6  | 145.0 |
| 77      | 67.3  | 23.3  | 34.9# |
| 79      | 63.5  | 22.0  | 33.0# |



#18  
Hexachloroethane  
Concen: 33.04 ng  
RT: 6.87 min Scan# 462  
Delta R.T. -0.03 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 110.9 | 83.8  | 125.6 |
| 201     | 75.1  | 55.1  | 82.7  |

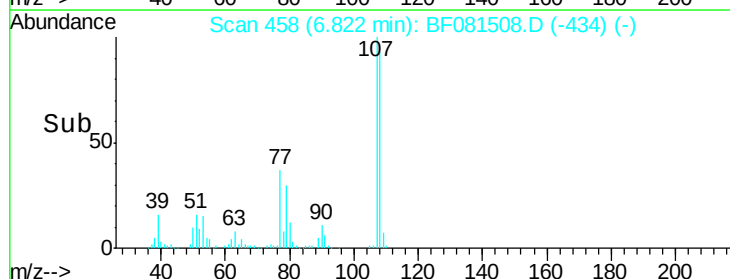
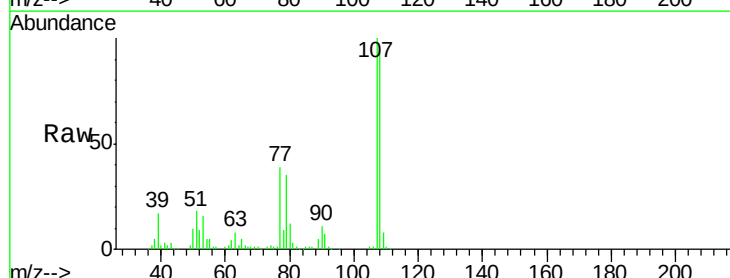
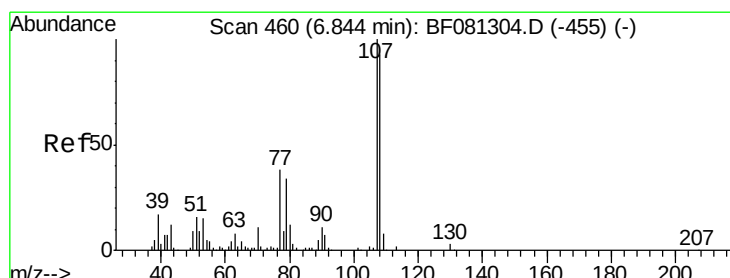
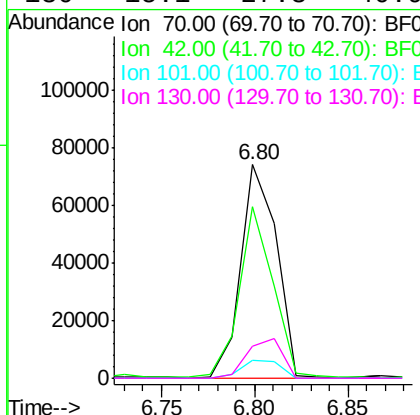




#19  
n-Nitroso-di-n-propylamine  
Concen: 32.69 ng  
RT: 6.80 min Scan# 456  
Delta R.T. -0.03 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

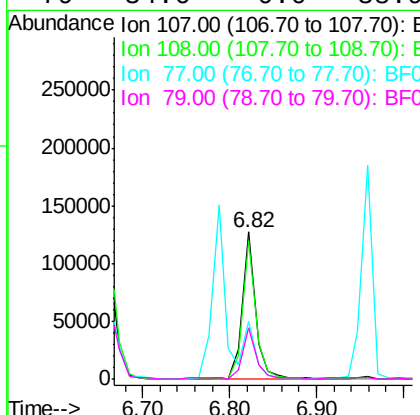
Instrument :  
BNA\_F  
ClientSampleId :  
SB003MSD

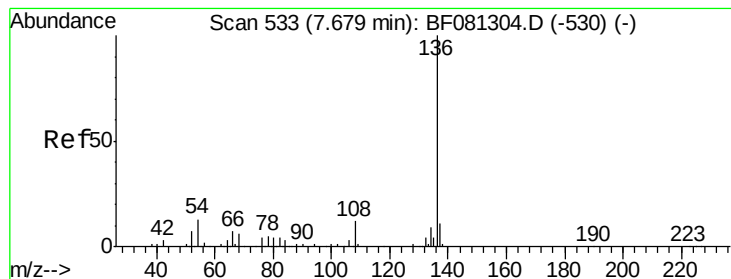
Tot Ion: 70 Resp: 98910  
Ion Ratio Lower Upper  
70 100  
42 80.2 63.8 95.6  
101 8.3 9.2 13.8#  
130 15.1 27.3 40.9#



#20  
3+4-Methylphenols  
Concen: 34.08 ng  
RT: 6.82 min Scan# 458  
Delta R.T. -0.02 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

Tgt Ion:107 Resp: 135697  
Ion Ratio Lower Upper  
107 100  
108 93.9 74.6 114.6  
77 39.1 0.7 40.7  
79 34.6 0.0 38.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.66 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

Tot Ion:136 Resp: 186999

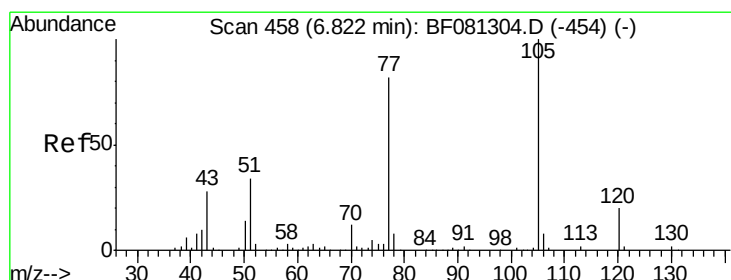
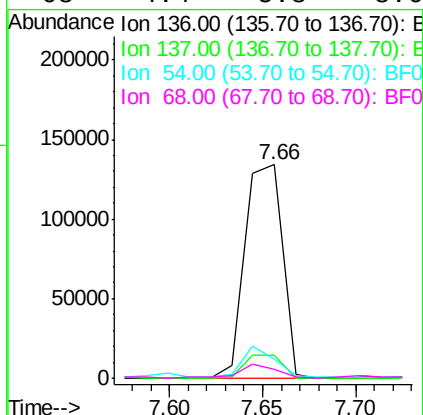
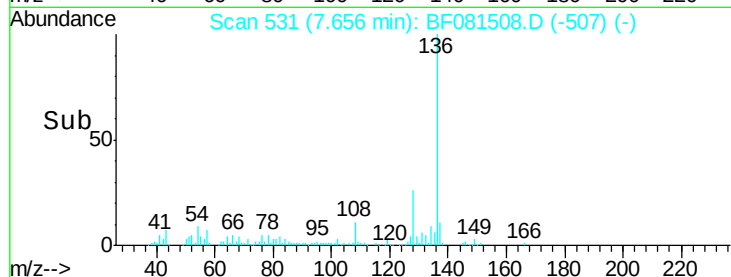
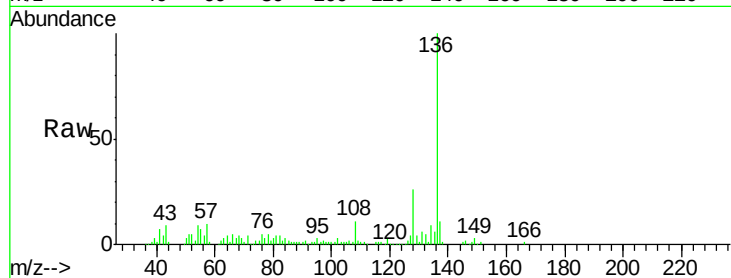
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 8.8 8.2 12.2

68 4.4 5.8 8.6#



#22

Acetophenone

Concen: 37.19 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Tgt Ion:105 Resp: 189947

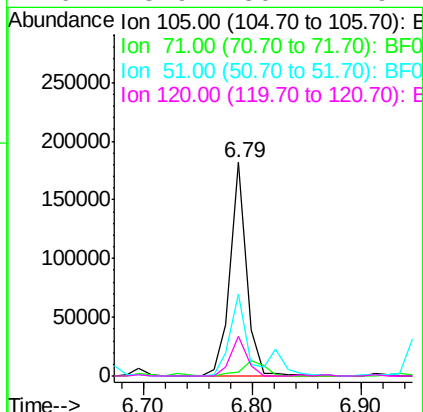
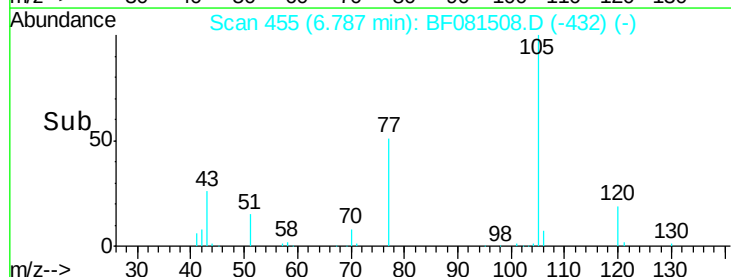
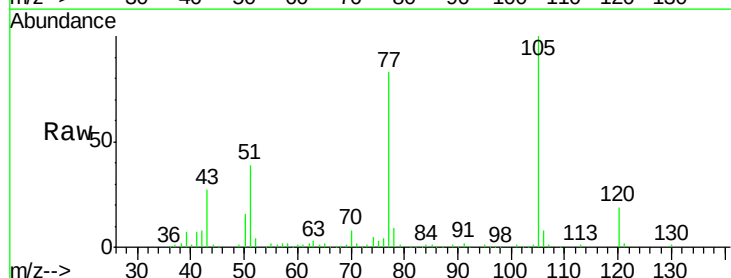
Ion Ratio Lower Upper

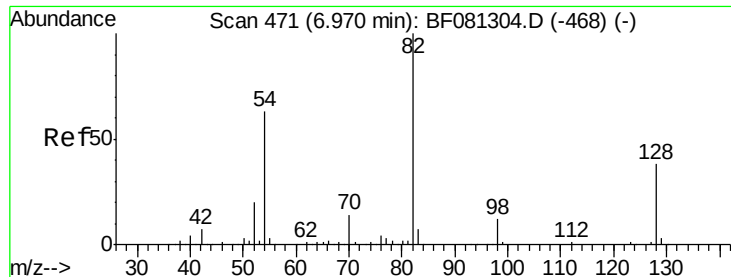
105 100

71 1.7 4.7 7.1#

51 38.6 22.0 33.0#

120 18.9 30.1 45.1#

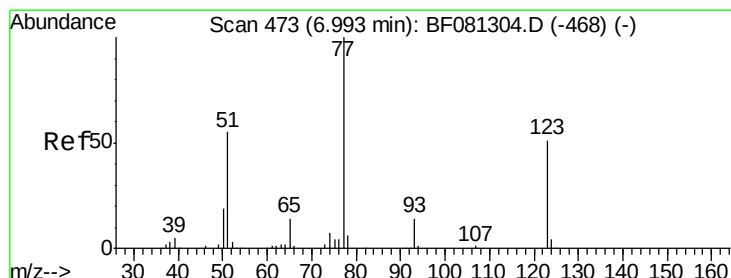
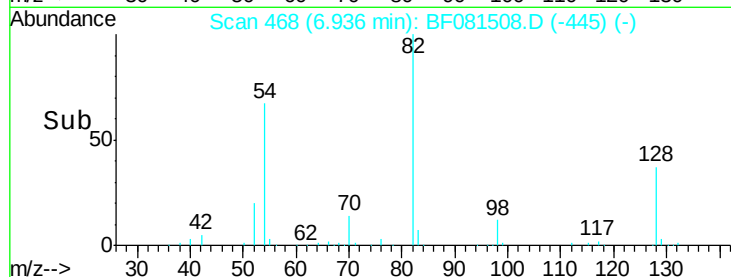
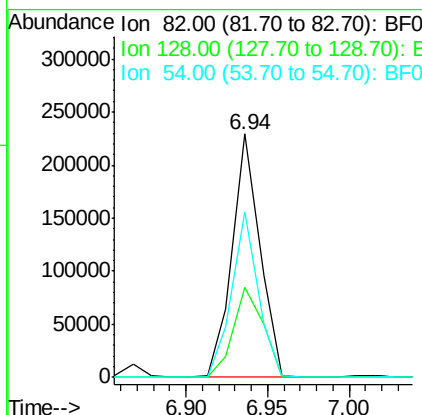
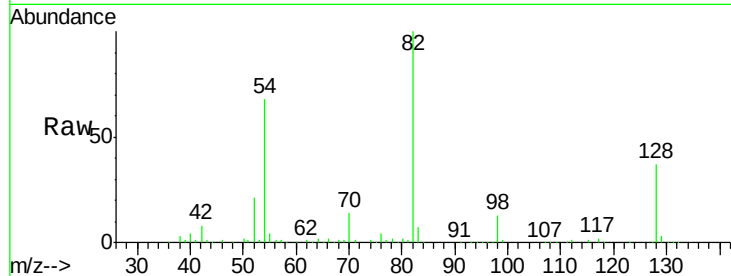




#23  
 Nitrobenzene-d5  
 Concen: 69.32 ng  
 RT: 6.94 min Scan# 468  
 Delta R.T. -0.03 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

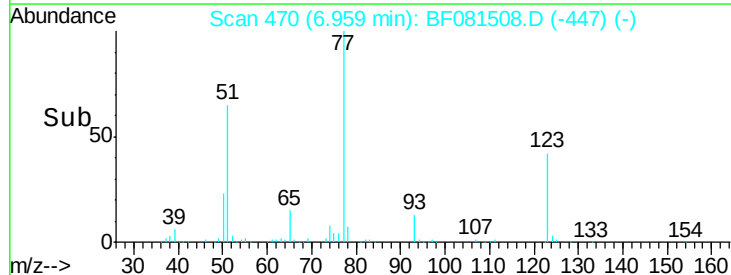
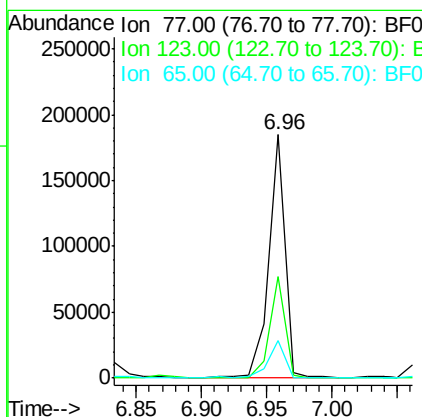
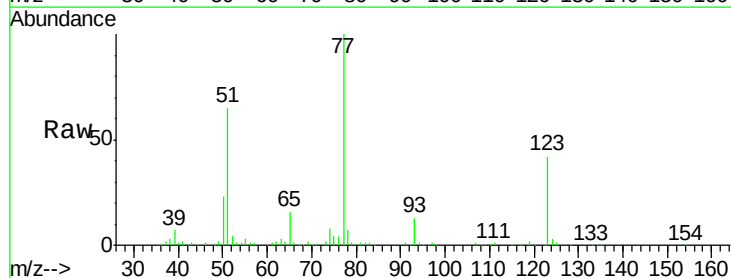
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB003MSD

Tot Ion: 82 Resp: 268678  
 Ion Ratio Lower Upper  
 82 100  
 128 36.9 51.0 76.6#  
 54 67.8 47.5 71.3

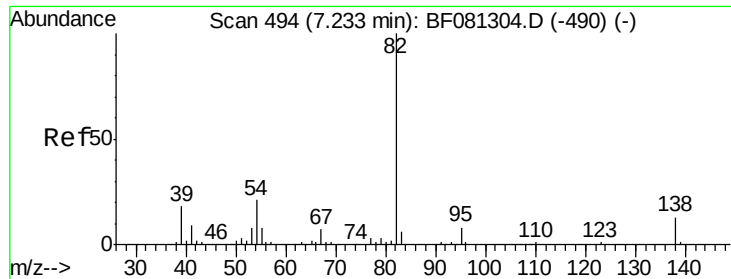


#24  
 Nitrobenzene  
 Concen: 40.04 ng  
 RT: 6.96 min Scan# 470  
 Delta R.T. -0.03 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

Tgt Ion: 77 Resp: 161176  
 Ion Ratio Lower Upper  
 77 100  
 123 41.6 59.8 89.8#  
 65 15.6 10.2 15.4#







#25

Isophorone

Concen: 35.05 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

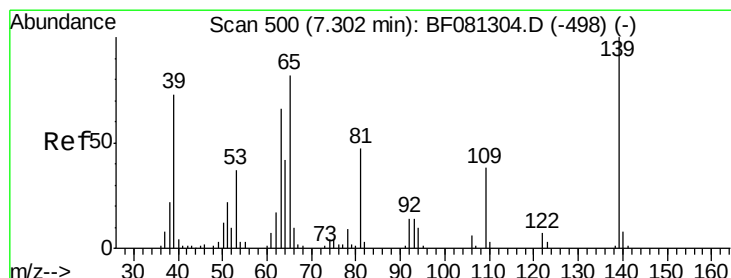
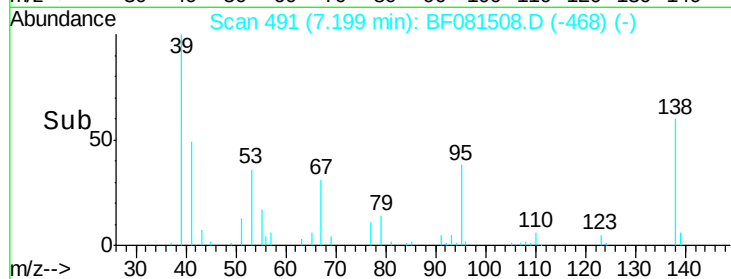
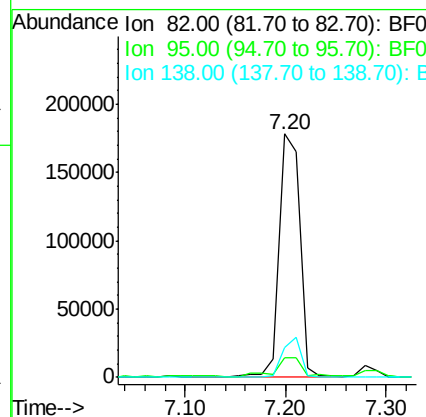
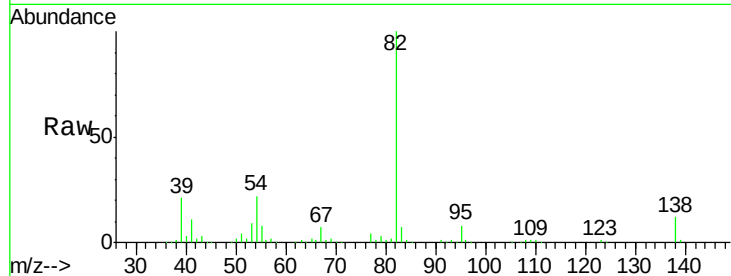
Tot Ion: 82 Resp: 252661

Ion Ratio Lower Upper

82 100

95 8.1 4.0 6.0#

138 12.1 18.3 27.5#



#26

2-Nitrophenol

Concen: 35.03 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

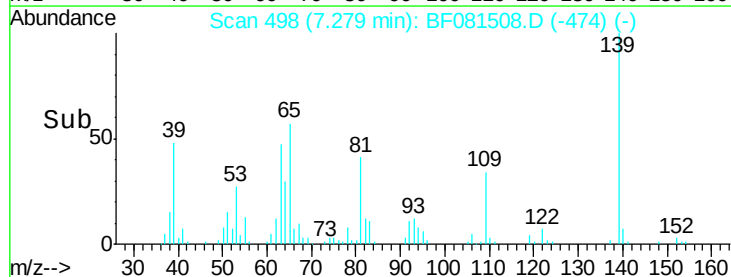
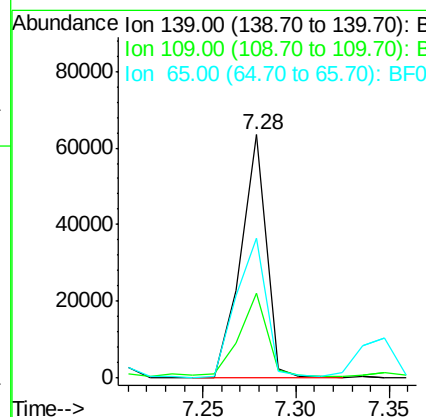
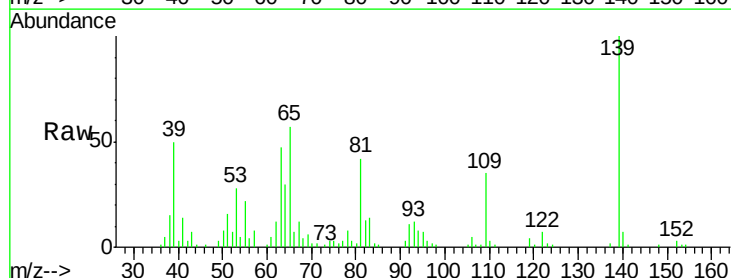
Tgt Ion: 139 Resp: 61452

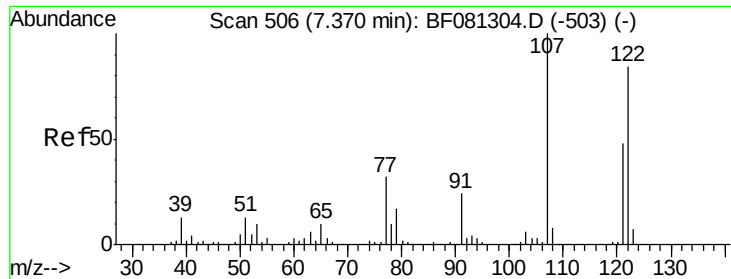
Ion Ratio Lower Upper

139 100

109 34.8 11.0 16.4#

65 57.2 24.7 37.1#





#27

2,4-Dimethylphenol

Concen: 37.96 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

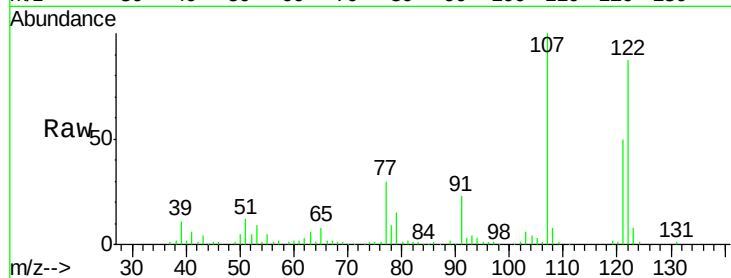
Tot Ion:122 Resp: 115028

Ion Ratio Lower Upper

122 100

107 114.6 71.8 107.6#

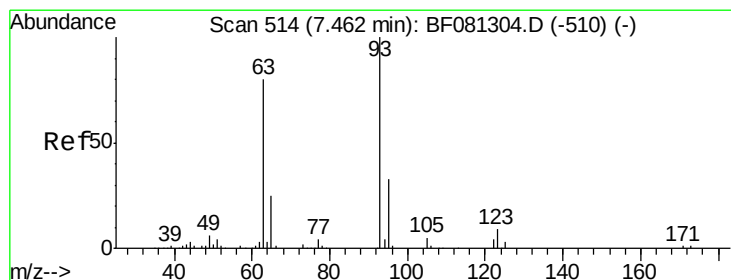
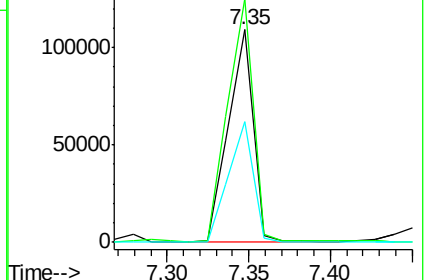
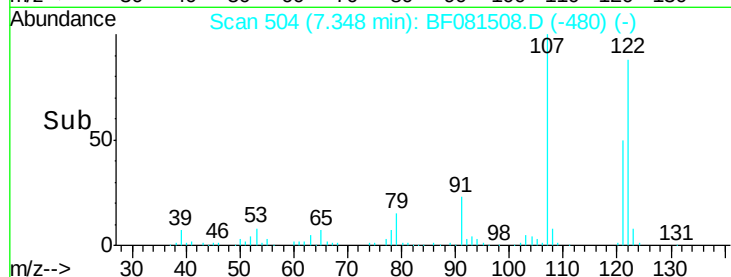
121 57.1 42.3 63.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 34.83 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

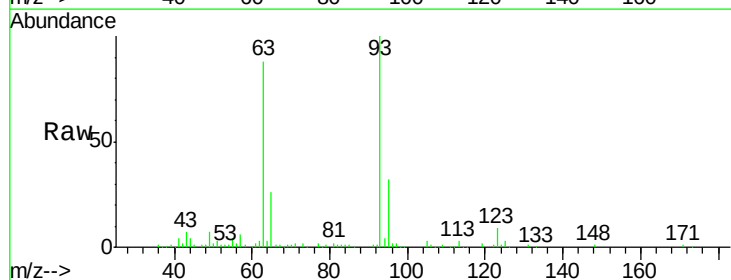
Tgt Ion: 93 Resp: 145022

Ion Ratio Lower Upper

93 100

95 32.3 27.5 41.3

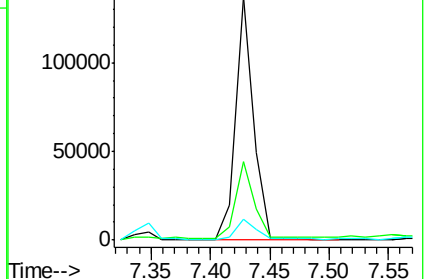
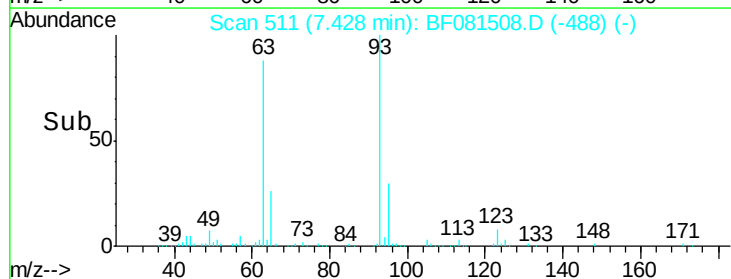
123 8.6 13.7 20.5#

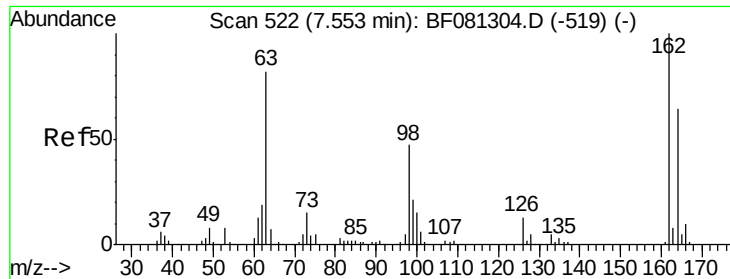


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

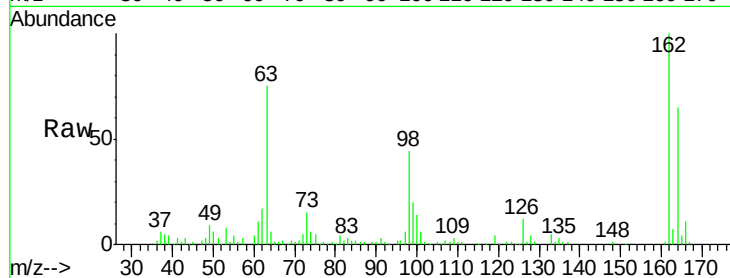




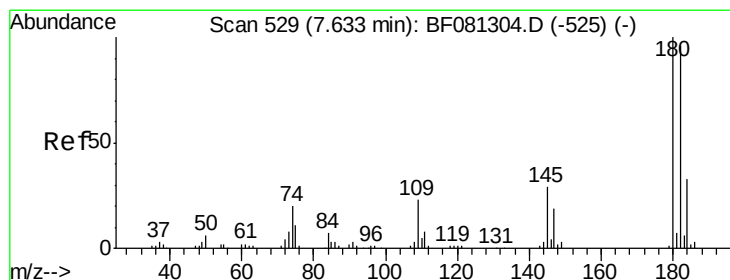
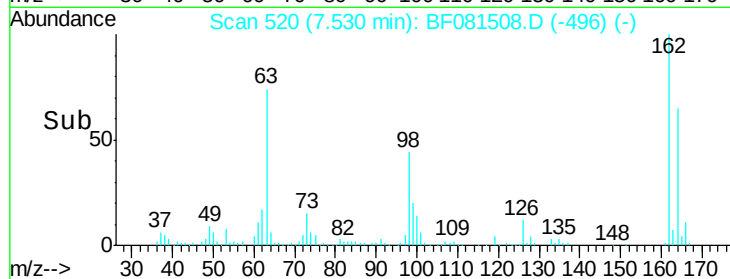
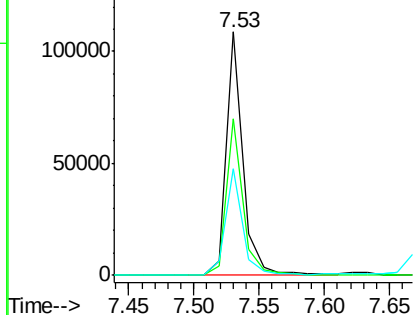
#29  
 2,4-Dichlorophenol  
 Concen: 37.27 ng  
 RT: 7.53 min Scan# 520  
 Delta R.T. -0.02 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB003MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.5  | 44.9  | 84.9  |
| 98      | 44.0  | 13.0  | 53.0  |

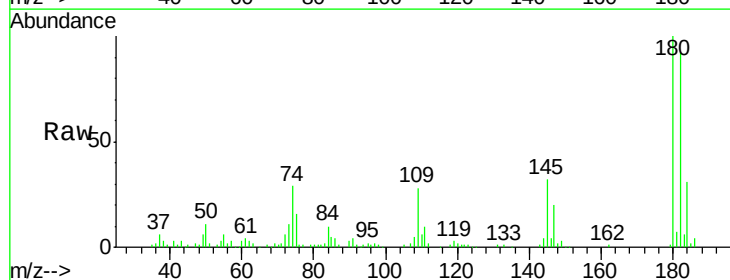


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

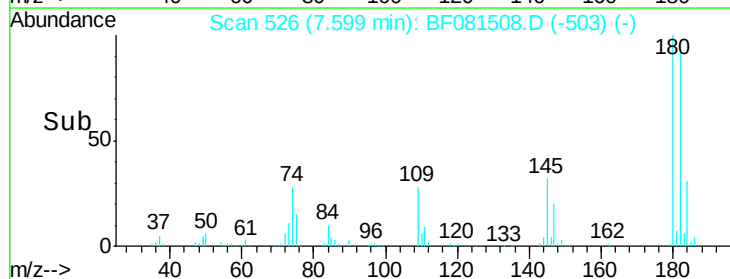
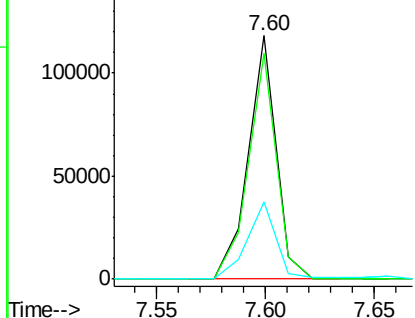


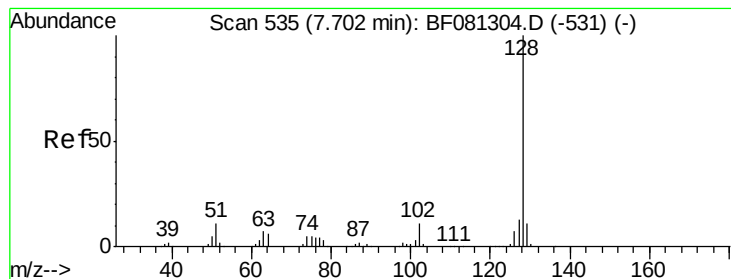
#30  
 1,2,4-Trichlorobenzene  
 Concen: 36.86 ng  
 RT: 7.60 min Scan# 526  
 Delta R.T. -0.03 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.5  | 77.1  | 115.7 |
| 145     | 31.7  | 23.3  | 34.9  |



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: 48.25 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

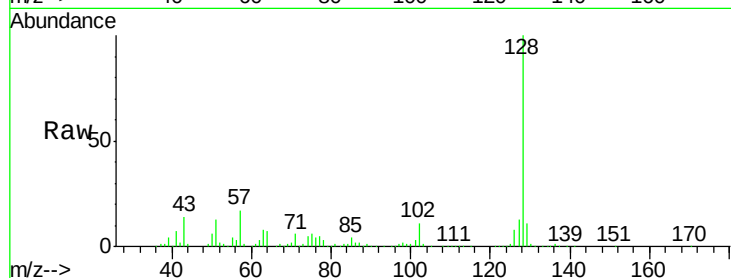
Tot Ion:128 Resp: 481201

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

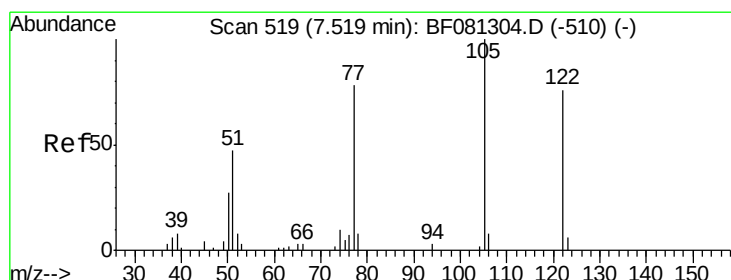
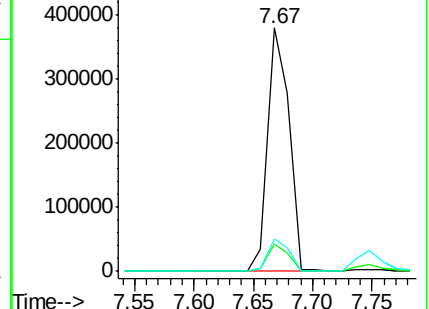
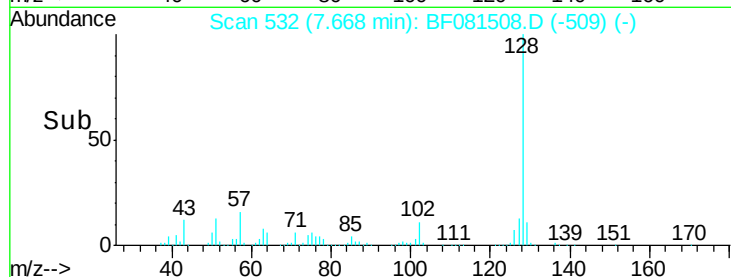
127 13.1 9.9 14.9



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: 11.03 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.07 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

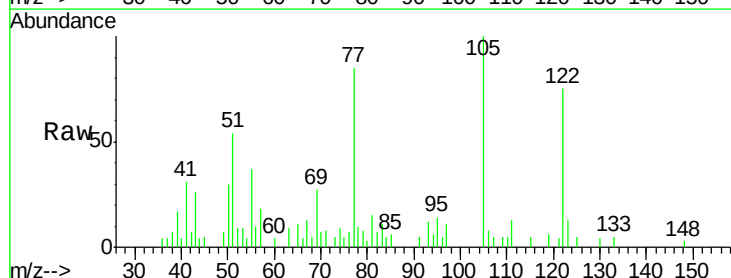
Tgt Ion:122 Resp: 19399

Ion Ratio Lower Upper

122 100

105 132.7 76.1 116.1#

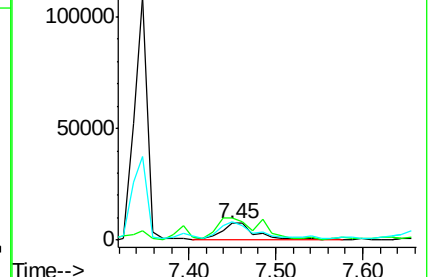
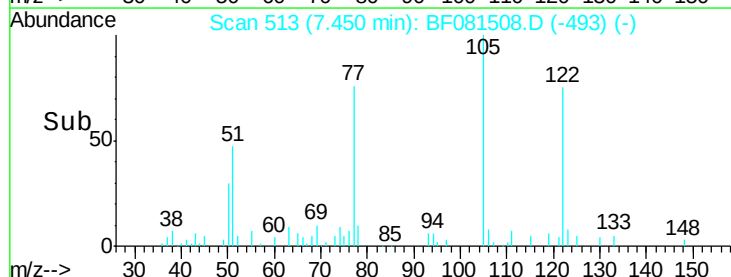
77 112.6 40.5 80.5#

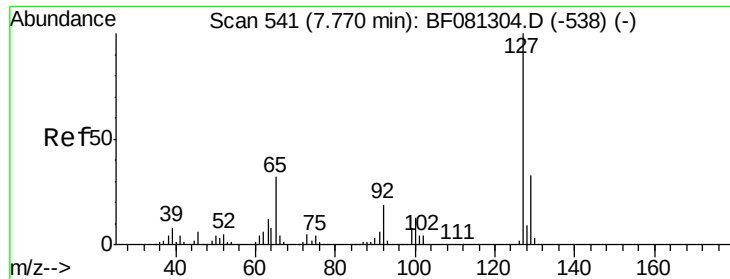


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

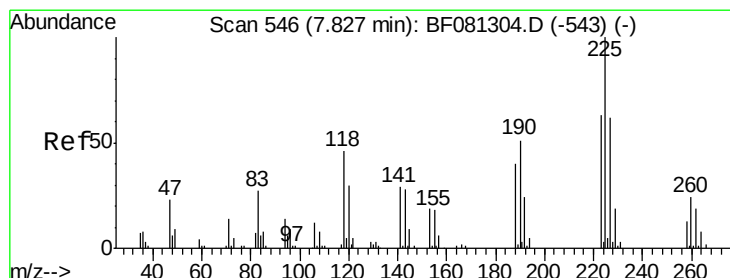
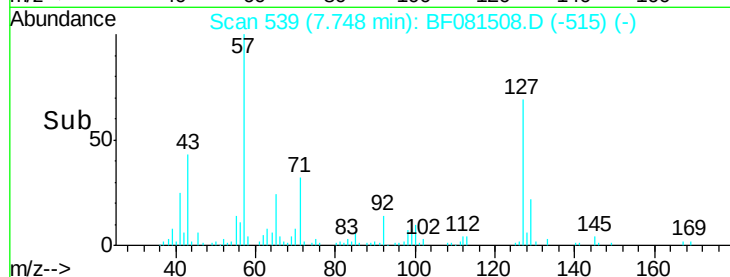
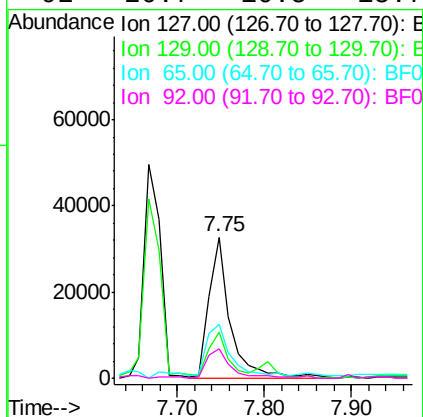
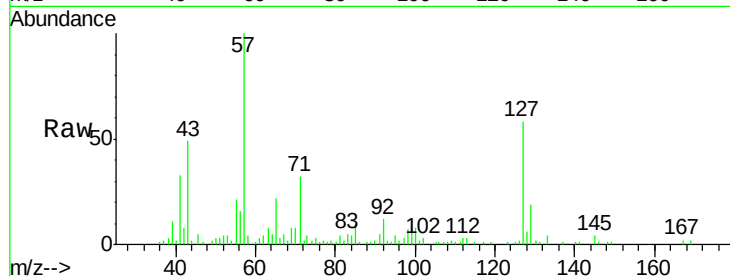




#33  
4-Chloroaniline  
Concen: 13.98 ng  
RT: 7.75 min Scan# 539  
Delta R.T. -0.02 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

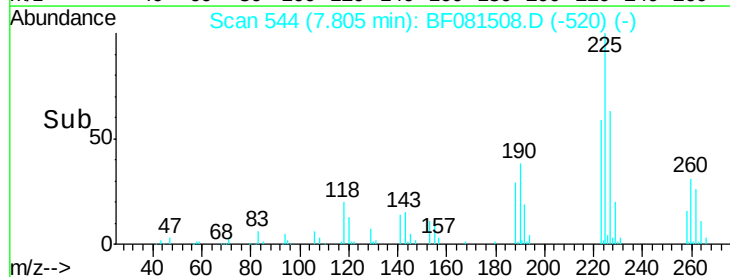
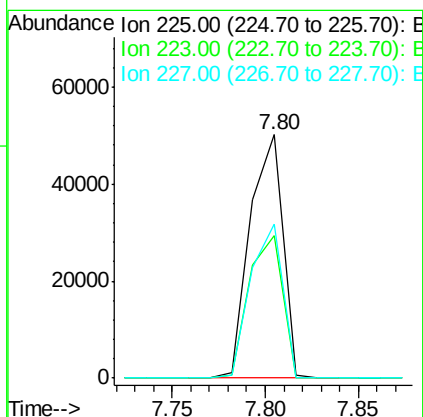
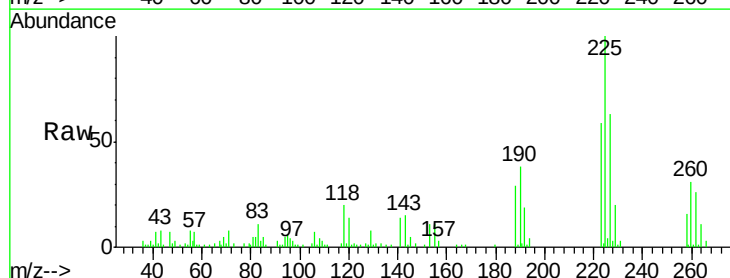
Instrument :  
BNA\_F  
ClientSampleId :  
SB003MSD

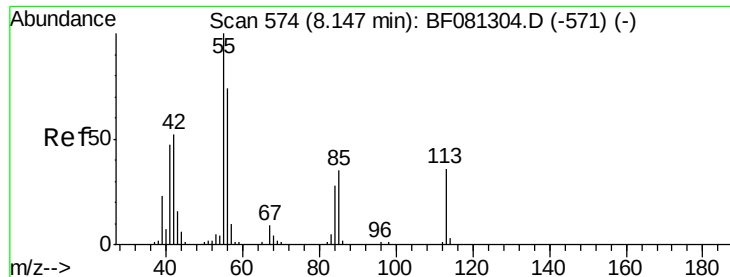
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 56867 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.4  | 25.8  | 38.6  |
| 65       | 38.5  | 17.9  | 26.9# |
| 92       | 20.7  | 10.5  | 15.7# |



#34  
Hexachlorobutadiene  
Concen: 34.96 ng  
RT: 7.80 min Scan# 544  
Delta R.T. -0.02 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 60737 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 58.8  | 50.2  | 75.2  |
| 227      | 63.2  | 52.2  | 78.2  |

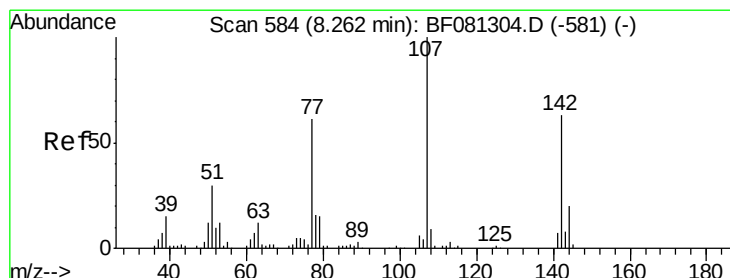
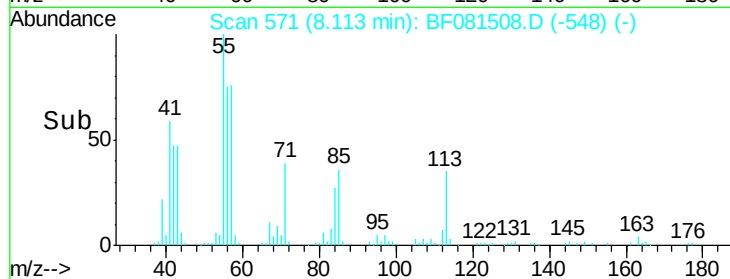
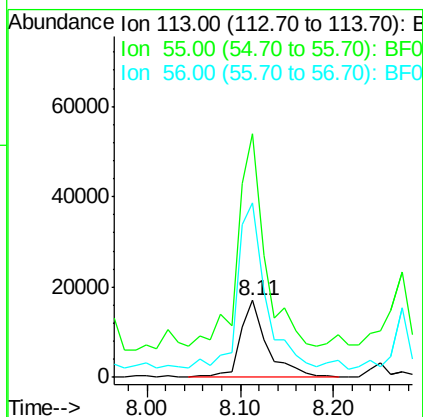
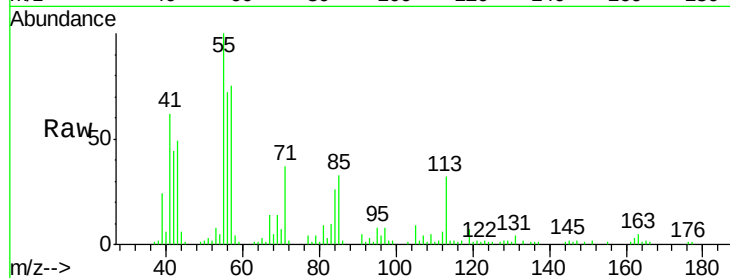




#35  
 Caprolactam  
 Concen: 42.30 ng  
 RT: 8.11 min Scan# 571  
 Delta R.T. -0.03 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

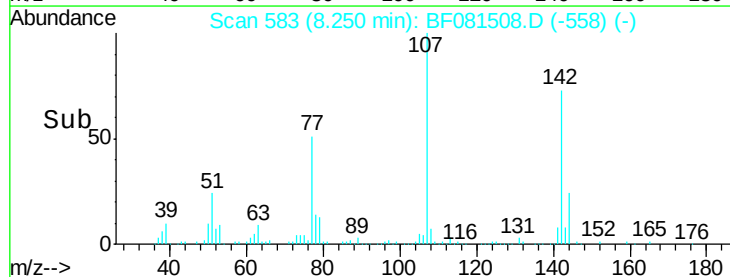
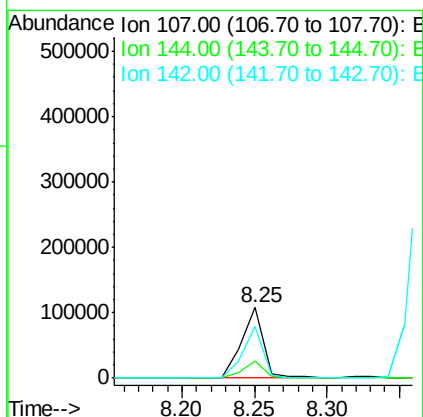
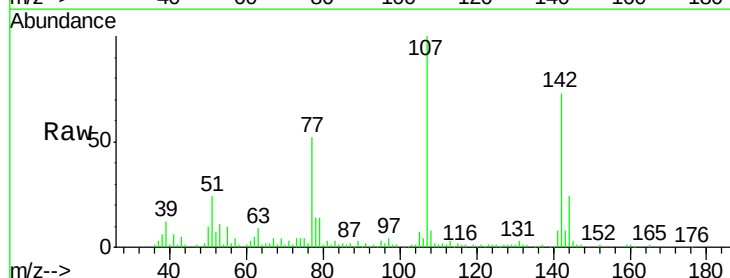
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB003MSD

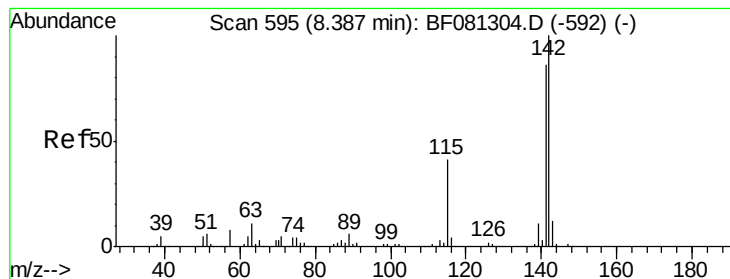
Tot Ion:113 Resp: 34086  
 Ion Ratio Lower Upper  
 113 100  
 55 315.8 152.4 192.4#  
 56 226.4 104.6 144.6#



#36  
 4-Chloro-3-methylphenol  
 Concen: 37.92 ng  
 RT: 8.25 min Scan# 583  
 Delta R.T. -0.01 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

Tgt Ion:107 Resp: 111534  
 Ion Ratio Lower Upper  
 107 100  
 144 24.2 25.4 38.0#  
 142 72.9 77.3 115.9#





#37

2-Methylnaphthalene

Concen: 50.22 ng

RT: 8.36 min Scan# 593

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

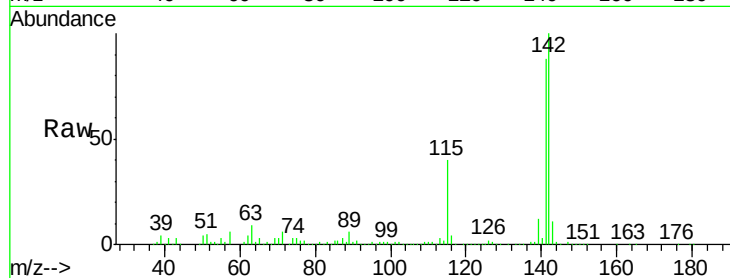
Tot Ion:142 Resp: 325915

Ion Ratio Lower Upper

142 100

141 88.2 67.5 101.3

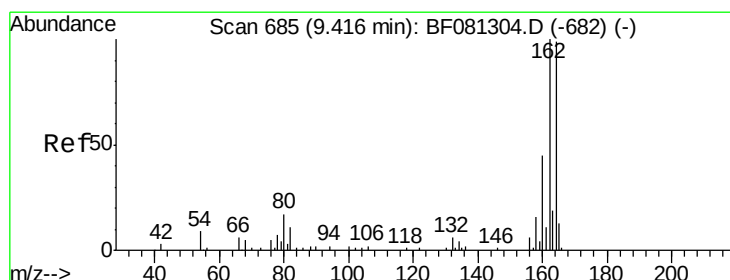
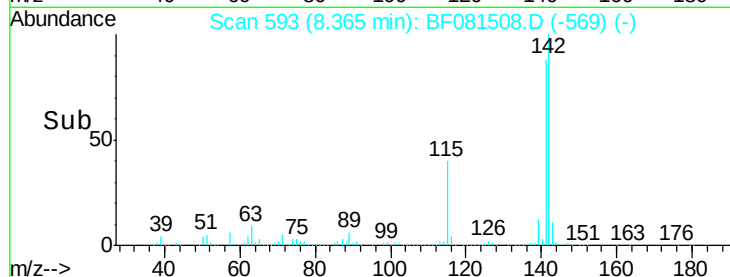
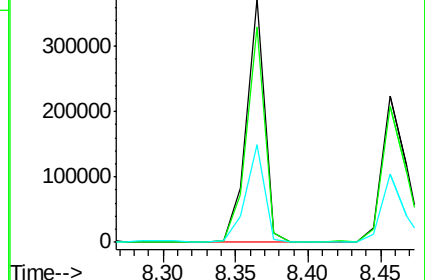
115 40.1 18.2 27.2#



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: 9.39 min Scan# 683

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

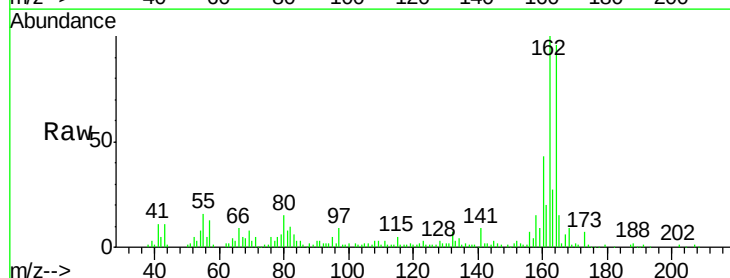
Tgt Ion:164 Resp: 83988

Ion Ratio Lower Upper

164 100

162 104.0 75.2 112.8

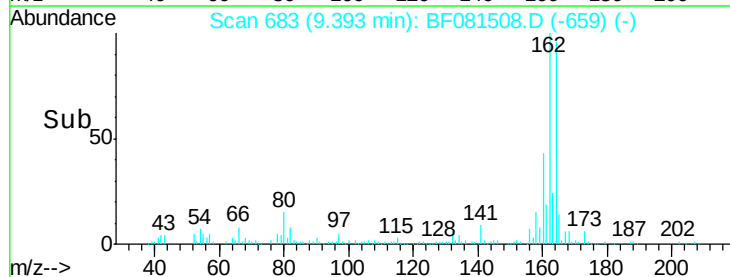
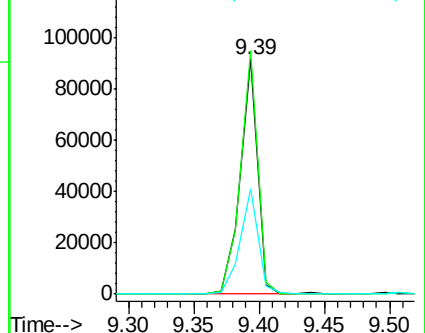
160 44.8 31.5 47.3

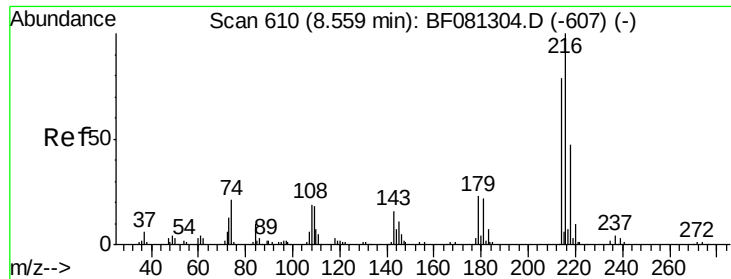


Abundance Ion 164.00 (163.70 to 164.70): E

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: 33.07 ng

RT: 8.54 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

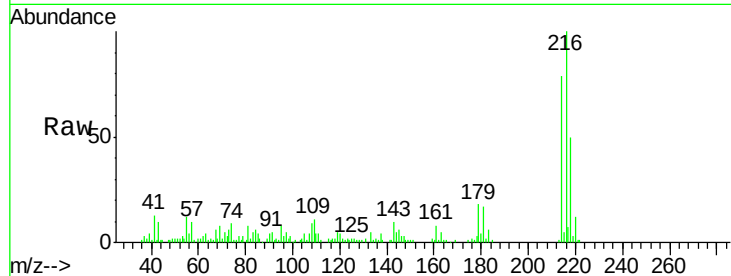
Instrument :

BNA\_F

ClientSampleId :

SB003MSD

|             |       |            |
|-------------|-------|------------|
| Tot Ion:216 | Resp: | 87832      |
| Ion Ratio   | Lower | Upper      |
| 216         | 100   |            |
| 214         | 79.6  | 63.5 95.3  |
| 179         | 25.4  | 16.6 24.8# |
| 108         | 19.5  | 16.3 24.5  |

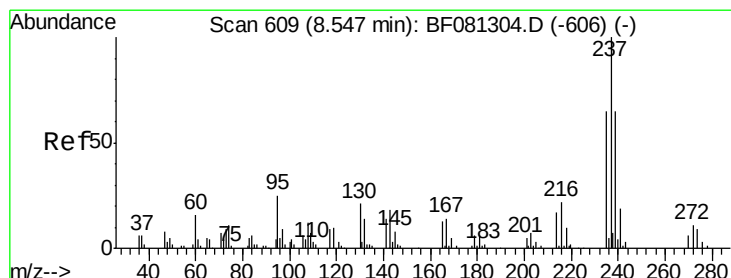
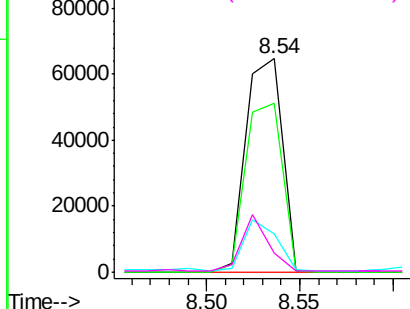
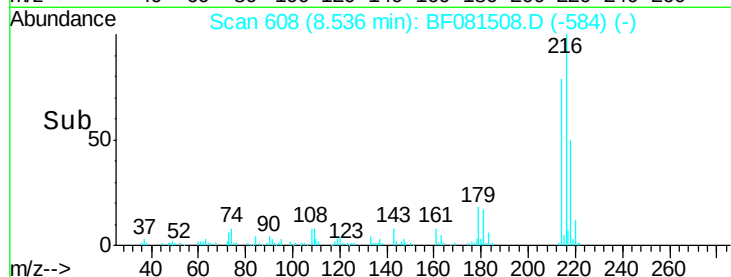


Abundance Ion 216.00 (215.70 to 216.70): E

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: 9.84 ng

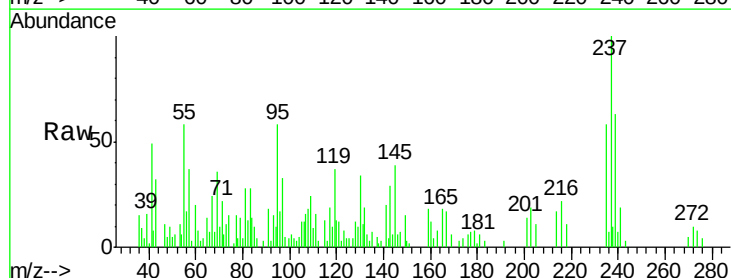
RT: 8.51 min Scan# 606

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

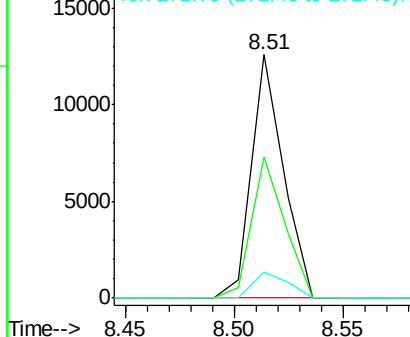
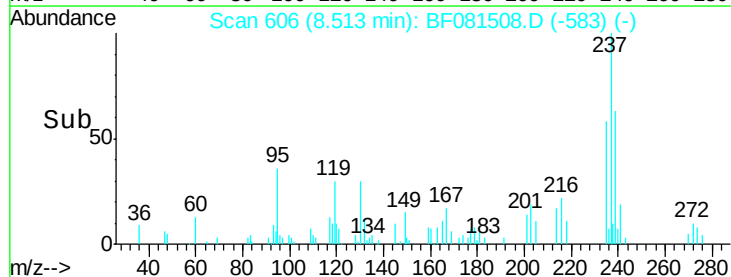
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 12829     |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 58.1  | 42.0 82.0 |
| 272         | 10.5  | 0.0 36.1  |



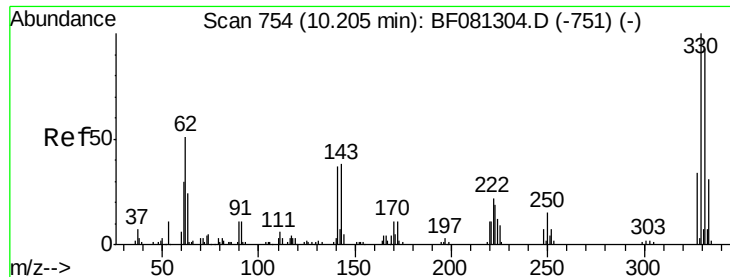
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



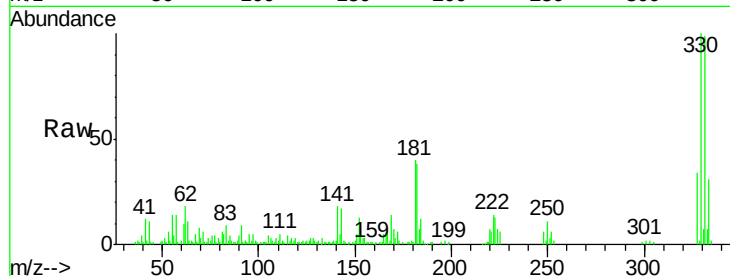




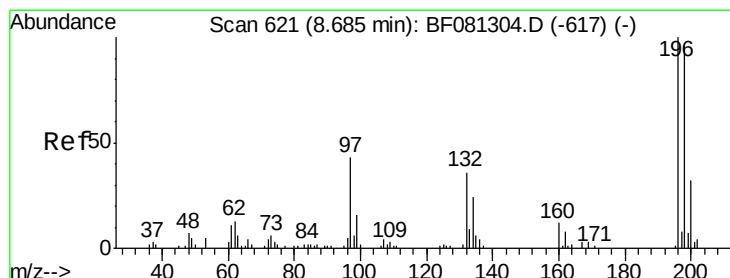
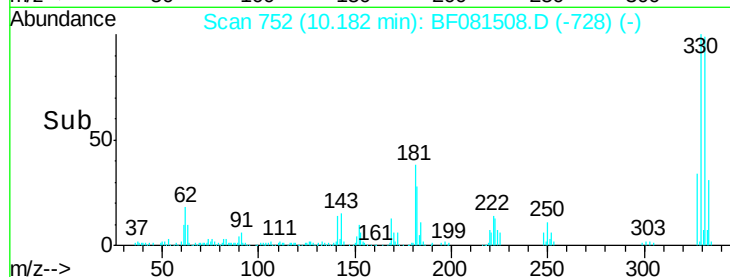
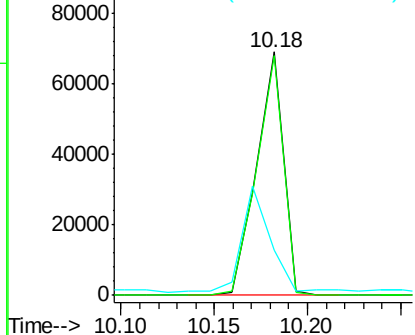
#41  
 2,4,6-Tribromophenol  
 Concen: 91.86 ng  
 RT: 10.18 min Scan# 752  
 Delta R.T. -0.02 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB003MSD

Tot Ion:330 Resp: 68696  
 Ion Ratio Lower Upper  
 330 100  
 332 98.4 76.6 114.8  
 141 47.6 29.7 44.5#

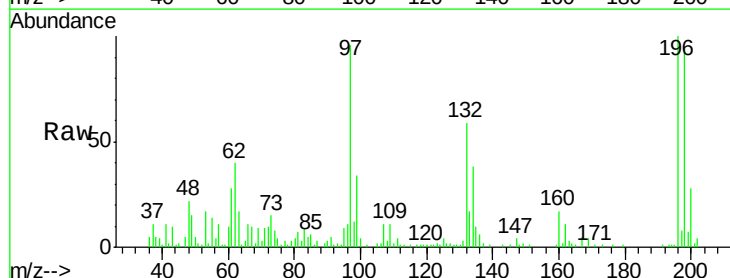


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

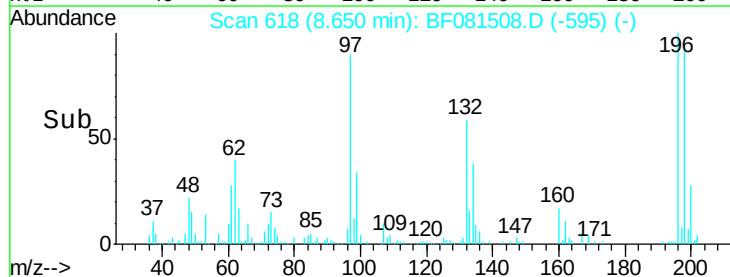
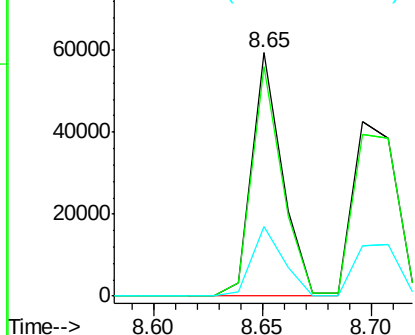


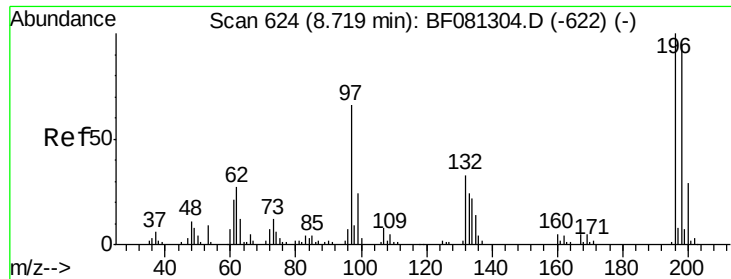
#42  
 2,4,6-Trichlorophenol  
 Concen: 31.81 ng  
 RT: 8.65 min Scan# 618  
 Delta R.T. -0.03 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

Tgt Ion:196 Resp: 58314  
 Ion Ratio Lower Upper  
 196 100  
 198 94.3 75.7 113.5  
 200 28.3 23.9 35.9



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

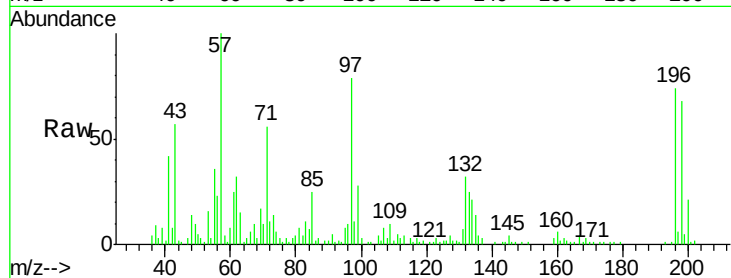




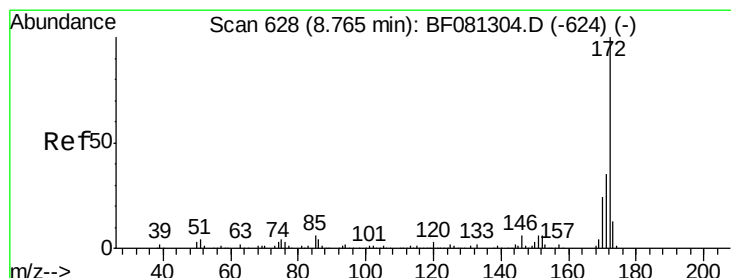
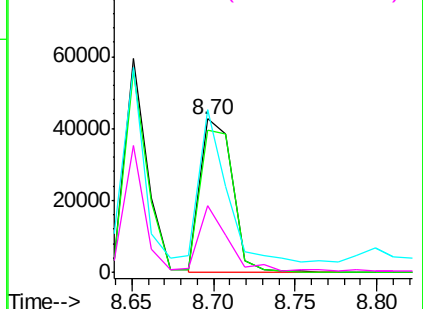
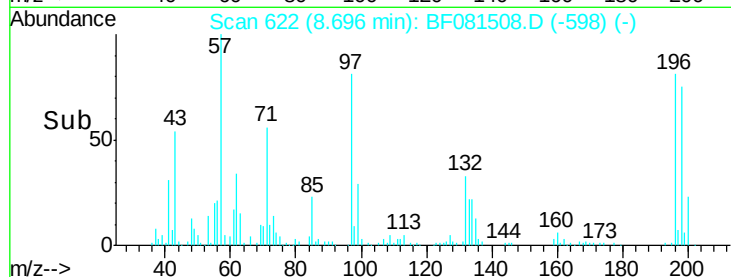
#43  
 2,4,5-Trichlorophenol  
 Concen: 31.61 ng  
 RT: 8.70 min Scan# 622  
 Delta R.T. -0.02 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB003MSD

Tot Ion:196 Resp: 59108  
 Ion Ratio Lower Upper  
 196 100  
 198 92.4 75.4 113.0  
 97 106.2 33.3 49.9#  
 132 43.1 24.6 37.0#

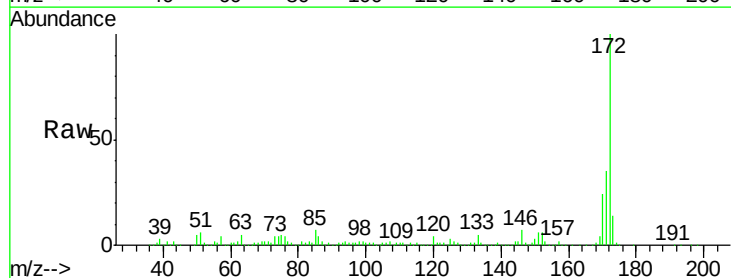


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

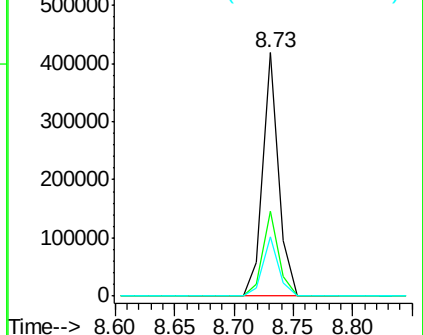
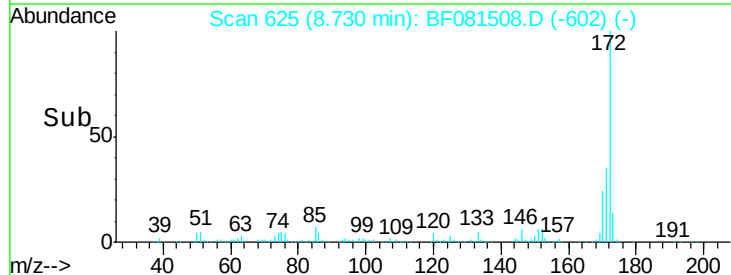


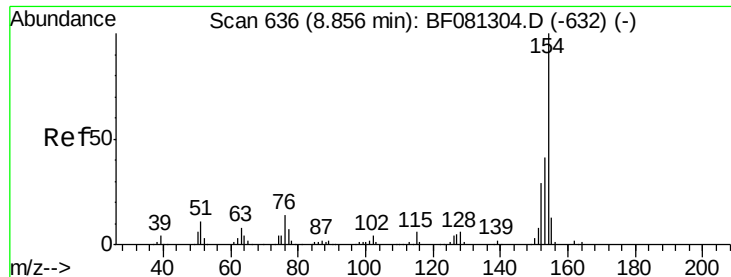
#44  
 2-Fluorobiphenyl  
 Concen: 60.41 ng  
 RT: 8.73 min Scan# 625  
 Delta R.T. -0.03 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

Tgt Ion:172 Resp: 395911  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 26.1 39.1  
 170 24.2 17.4 26.2



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: 35.88 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

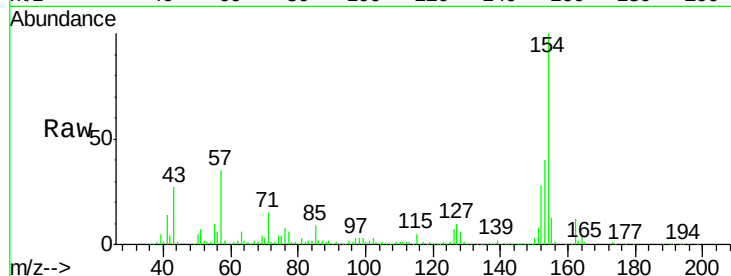
Tot Ion:154 Resp: 277209

Ion Ratio Lower Upper

154 100

153 40.2 17.1 57.1

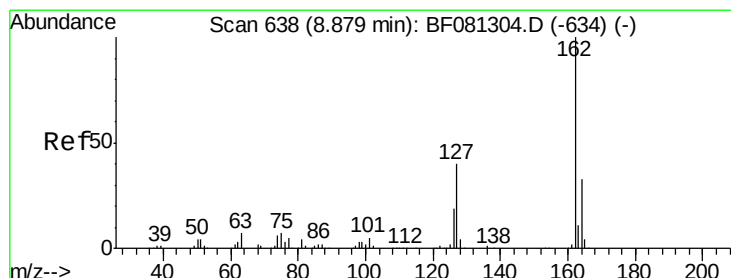
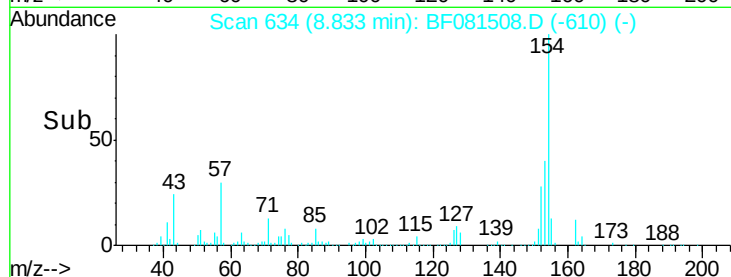
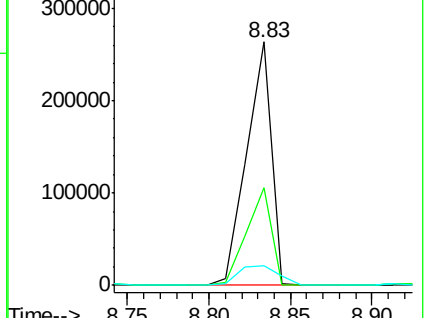
76 8.3 0.0 31.6



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: 33.50 ng

RT: 8.84 min Scan# 635

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

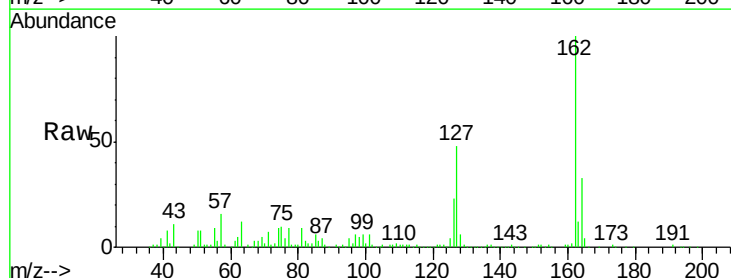
Tgt Ion:162 Resp: 186942

Ion Ratio Lower Upper

162 100

127 48.1 27.6 41.4#

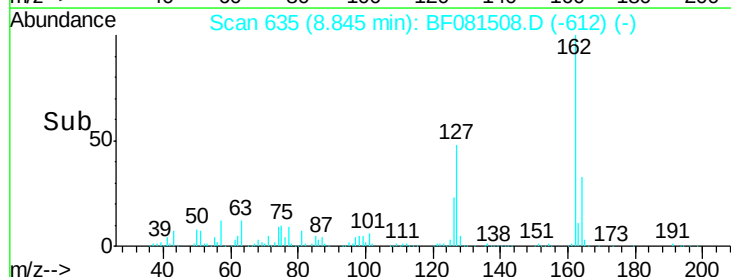
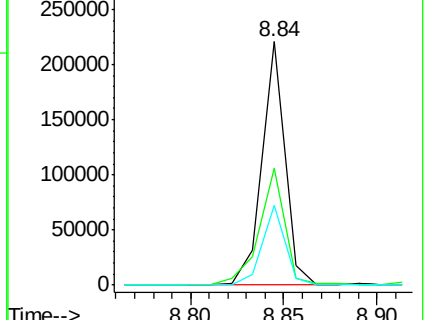
164 32.7 25.4 38.2

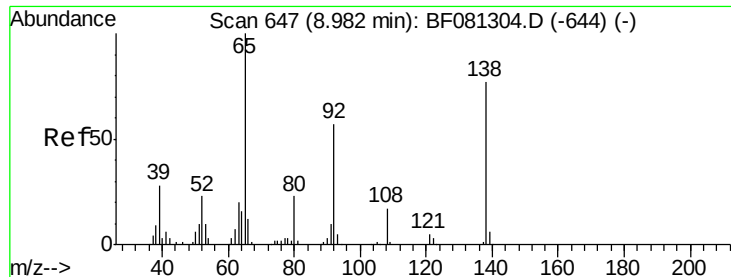


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 38.30 ng

RT: 8.96 min Scan# 645

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

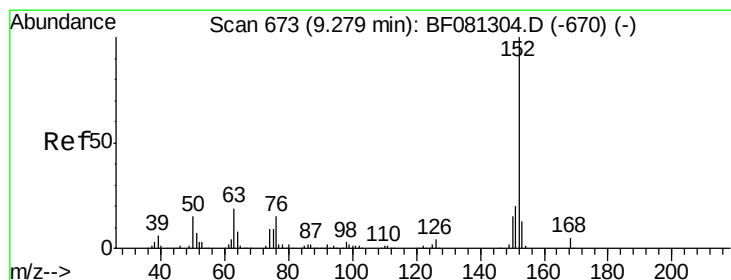
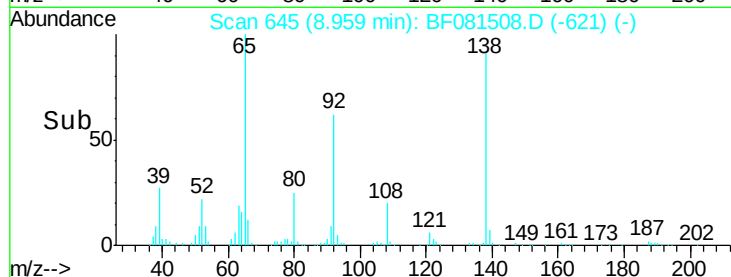
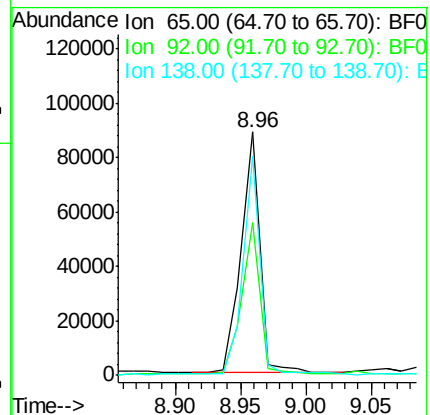
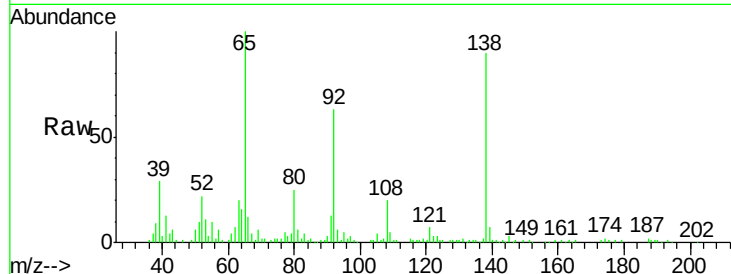
Tot Ion: 65 Resp: 87104

Ion Ratio Lower Upper

65 100

92 62.6 55.4 83.0

138 90.1 115.5 173.3#



#48

Acenaphthylene

Concen: 37.76 ng

RT: 9.26 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

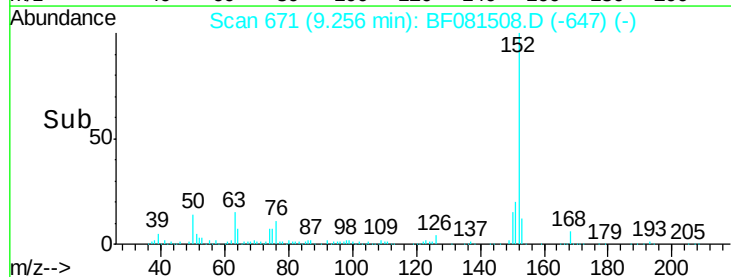
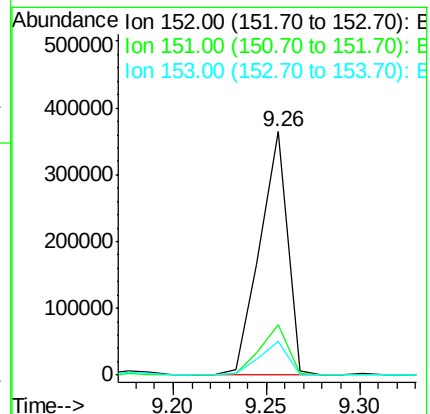
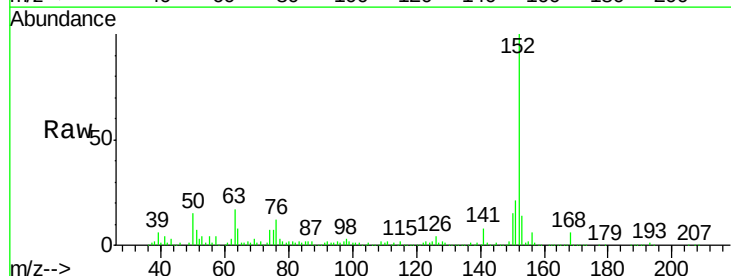
Tgt Ion: 152 Resp: 373835

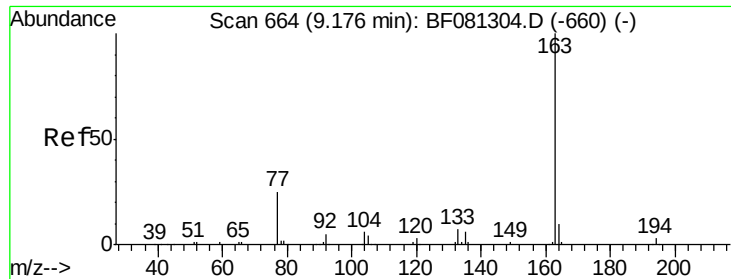
Ion Ratio Lower Upper

152 100

151 20.5 14.6 22.0

153 13.9 10.3 15.5





#49

Dimethylphthalate

Concen: 50.71 ng

RT: 9.14 min Scan# 661

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

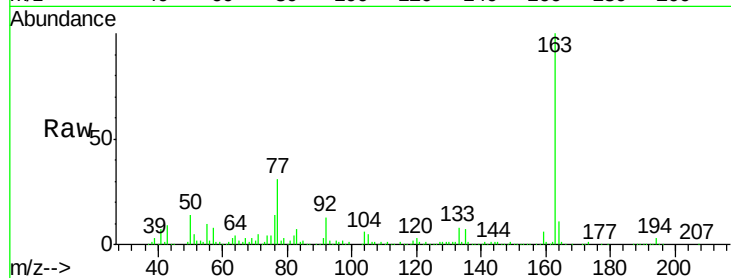
Tot Ion:163 Resp: 330875

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

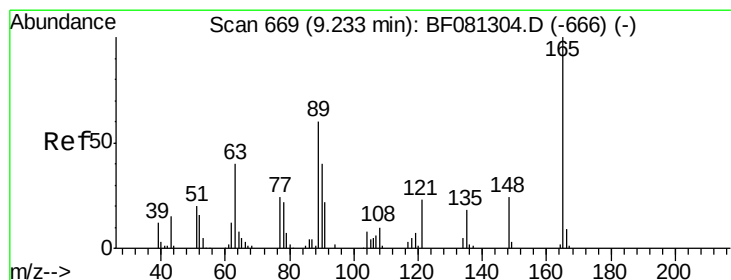
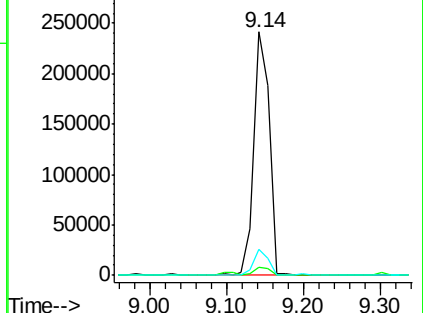
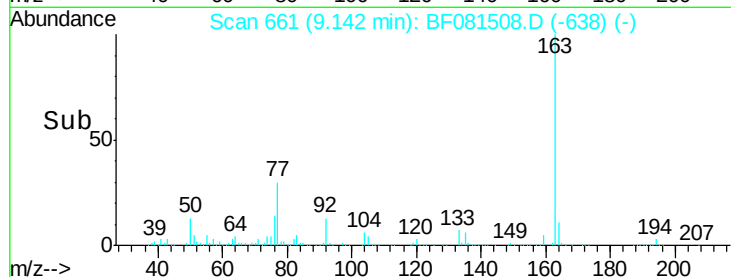
164 10.8 8.3 12.5



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: 26.51 ng

RT: 9.21 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

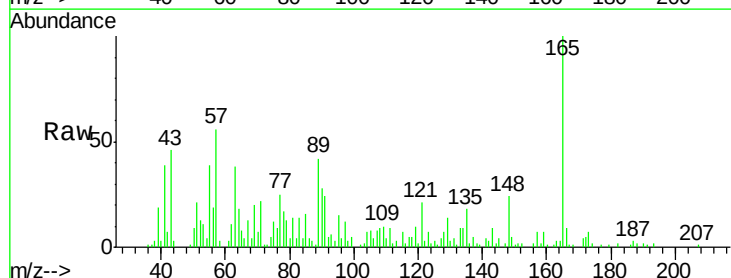
Tgt Ion:165 Resp: 39263

Ion Ratio Lower Upper

165 100

63 38.5 32.3 48.5

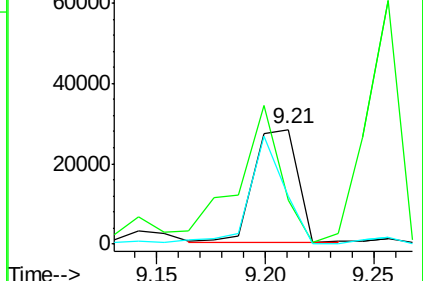
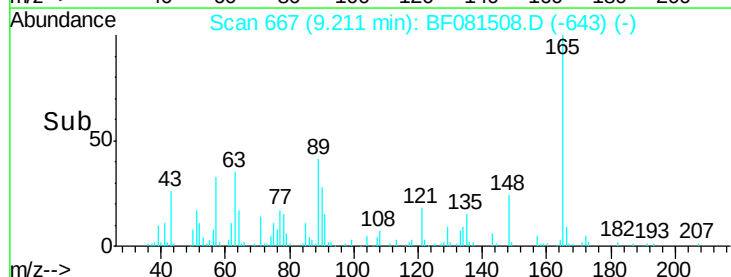
89 41.5 28.6 43.0

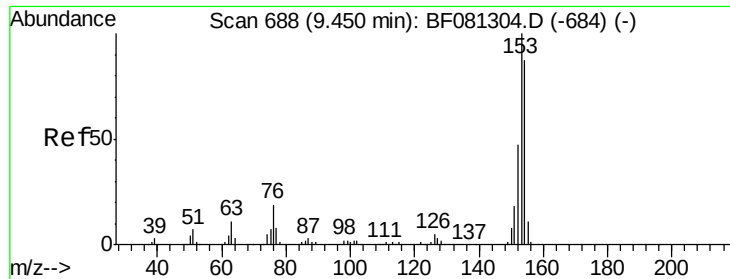


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 50.63 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

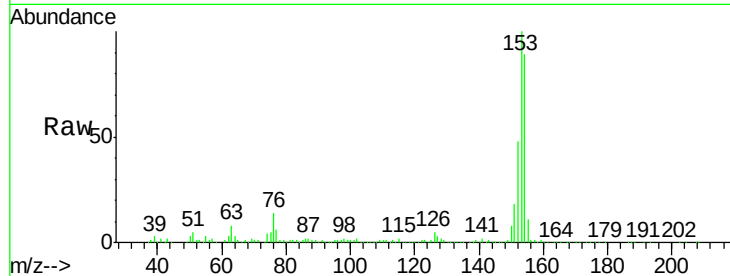
Tot Ion:154 Resp: 285143

Ion Ratio Lower Upper

154 100

153 112.9 82.1 123.1

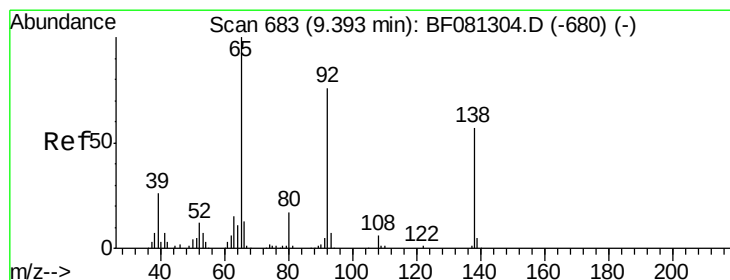
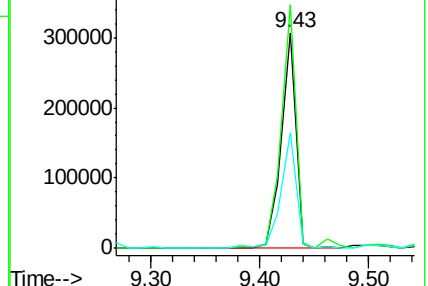
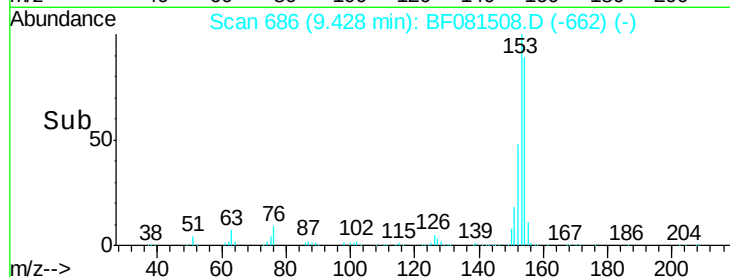
152 53.9 37.9 56.9



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: 24.01 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

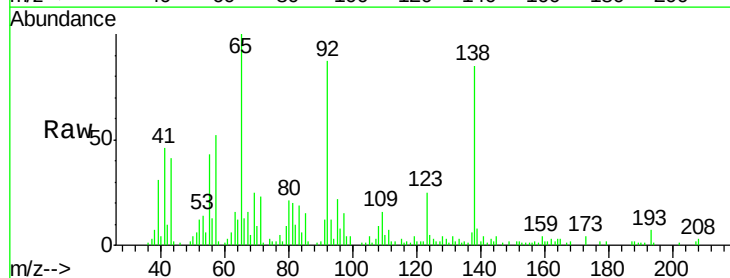
Tgt Ion:138 Resp: 40487

Ion Ratio Lower Upper

138 100

108 10.7 5.7 8.5#

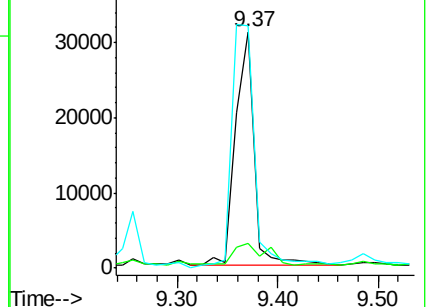
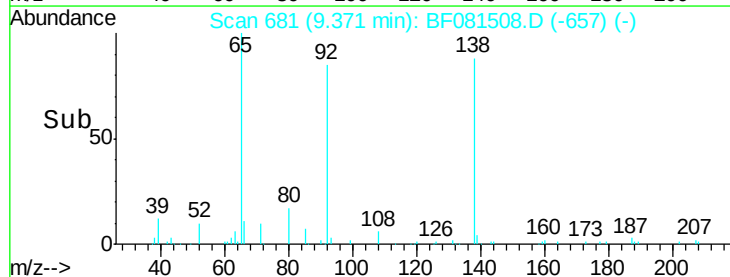
92 102.7 67.7 101.5#

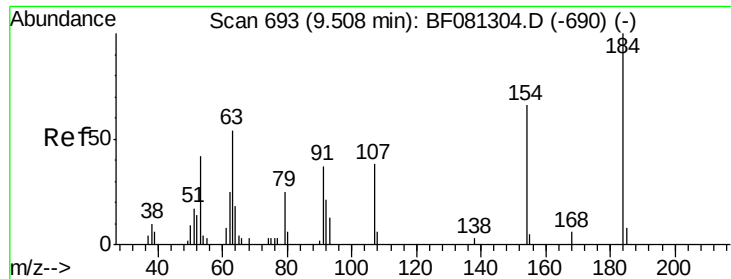


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

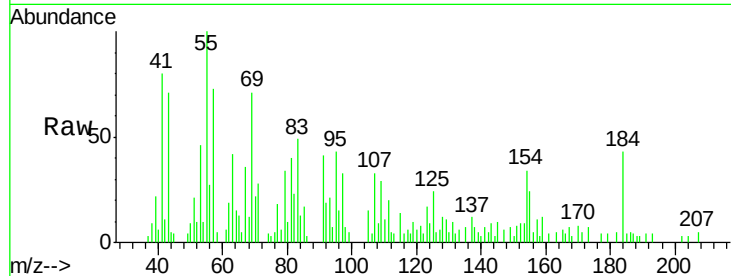




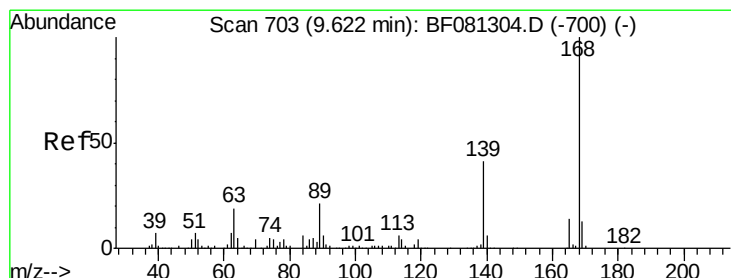
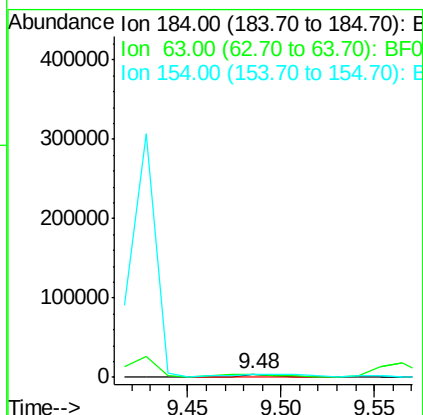
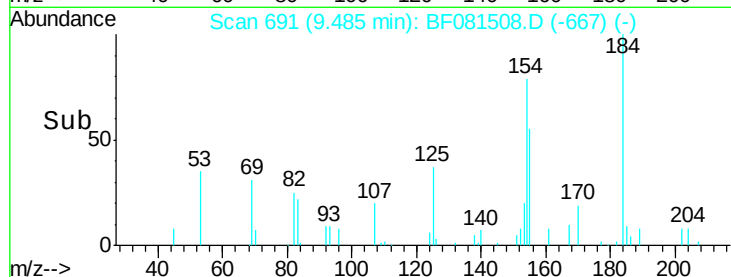
#53  
2,4-Dinitrophenol  
Concen: 7.47 ng  
RT: 9.48 min Scan# 691  
Delta R.T. -0.02 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
SB003MSD

Tot Ion:184 Resp: 4663  
Ion Ratio Lower Upper  
184 100  
63 96.9 35.4 53.2#  
154 78.9 32.2 48.4#

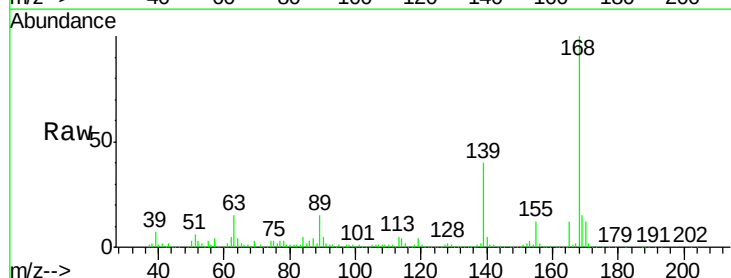


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

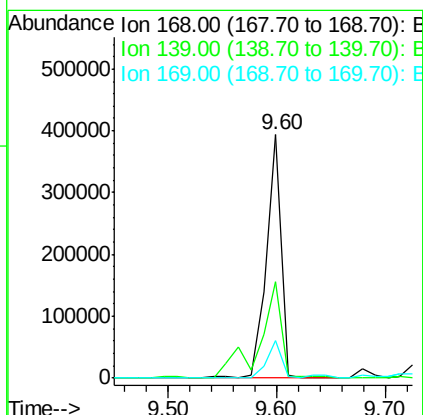
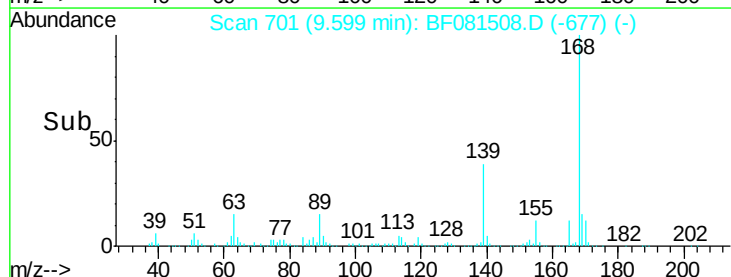


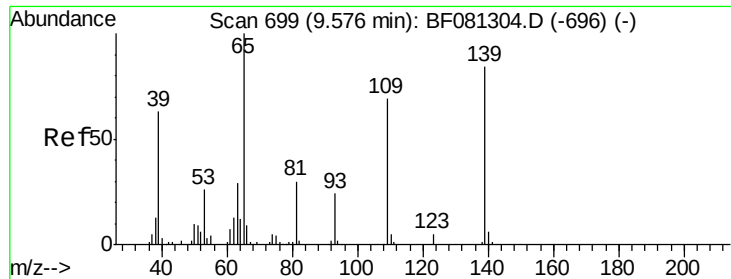
#54  
Dibenzofuran  
Concen: 46.03 ng  
RT: 9.60 min Scan# 701  
Delta R.T. -0.02 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

Tgt Ion:168 Resp: 378483  
Ion Ratio Lower Upper  
168 100  
139 39.5 24.2 36.2#  
169 15.3 10.6 15.8



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

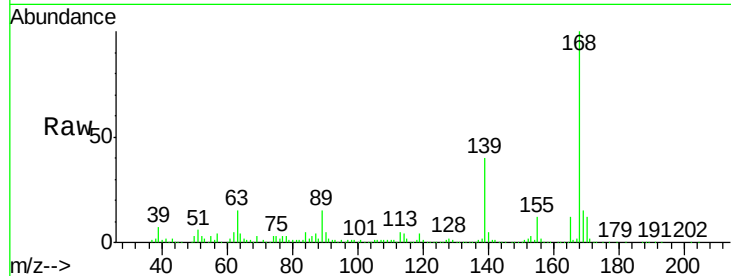




#55  
4-Nitrophenol  
Concen: 208.27 ng  
RT: 9.60 min Scan# 701  
Delta R.T. 0.02 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
SB003MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 3.5   | 12.7  | 52.7# |
| 65      | 6.2   | 45.9  | 85.9# |

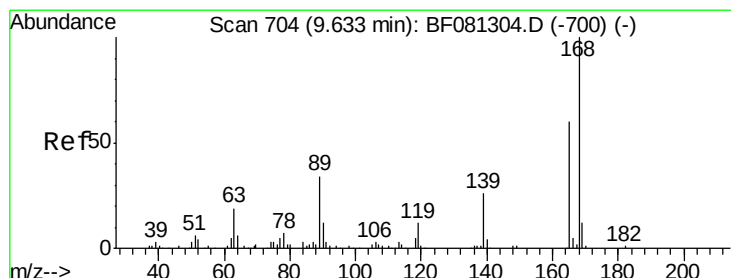
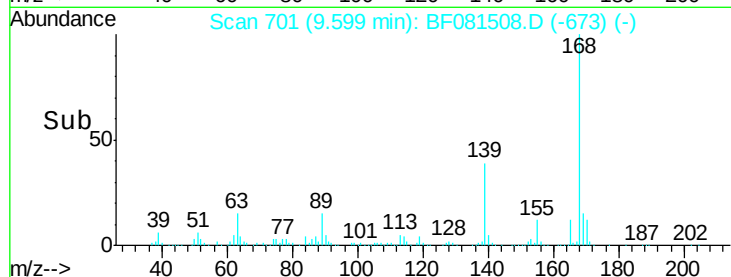
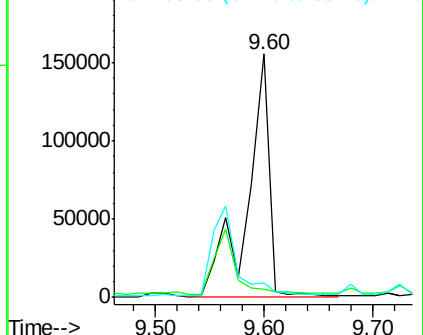


Abundance

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: 30.20 ng  
RT: 9.60 min Scan# 701  
Delta R.T. -0.03 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 119.7 | 29.8  | 44.6# |
| 89      | 124.1 | 44.5  | 66.7# |
| 182     | 1.8   | 3.0   | 4.4#  |

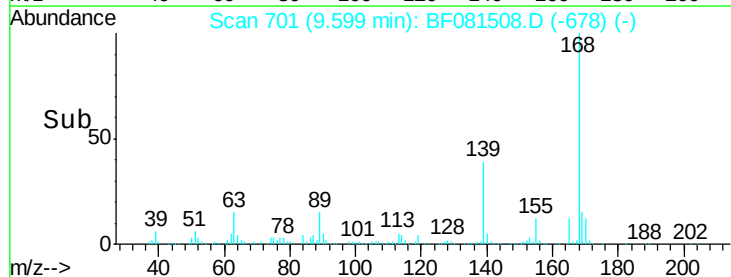
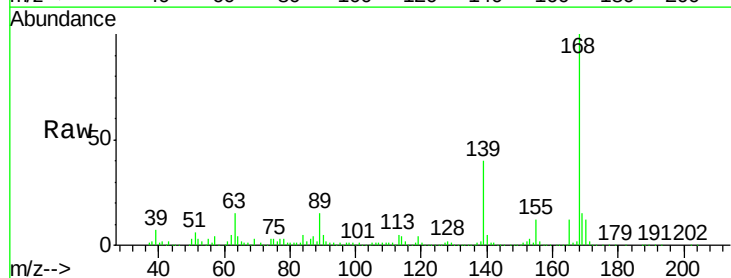
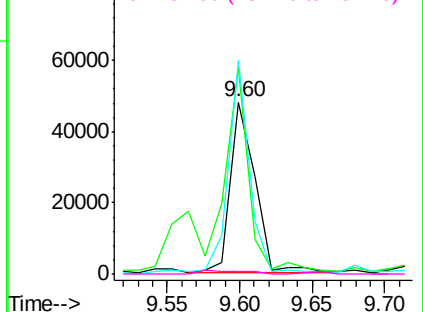
Abundance

Ion 165.00 (164.70 to 165.70): E

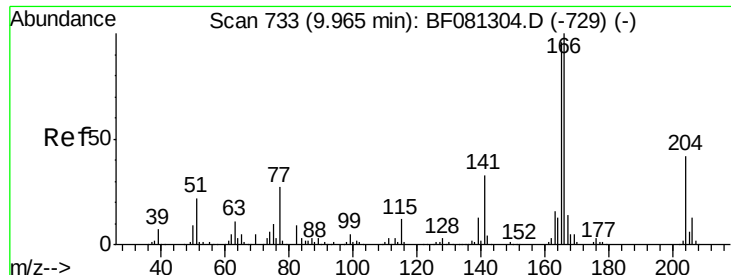
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



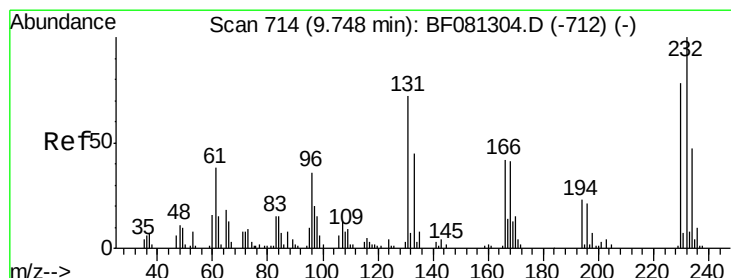
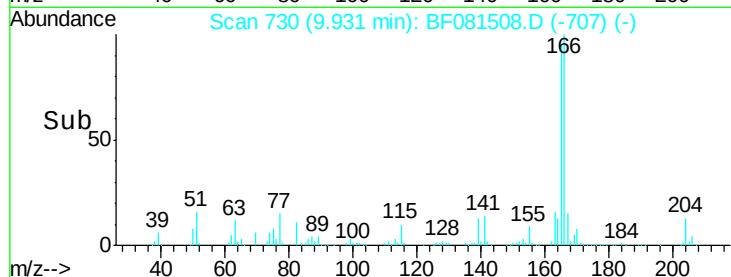
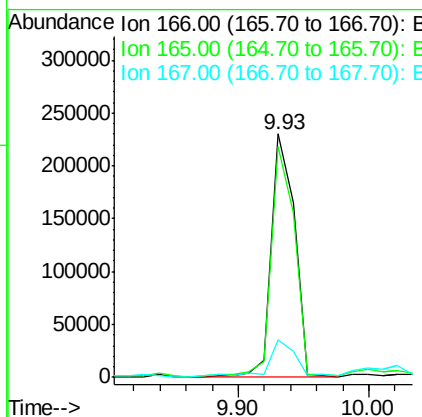
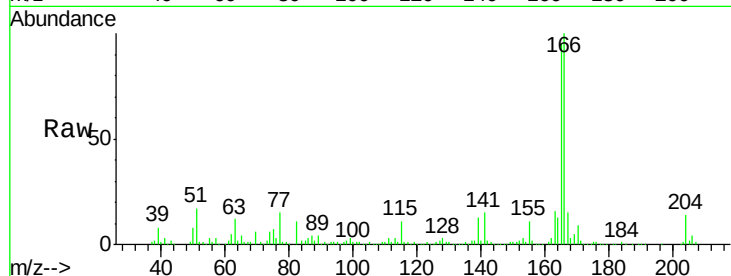




#57  
 Fluorene  
 Concen: 46.42 ng  
 RT: 9.93 min Scan# 730  
 Delta R.T. -0.03 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

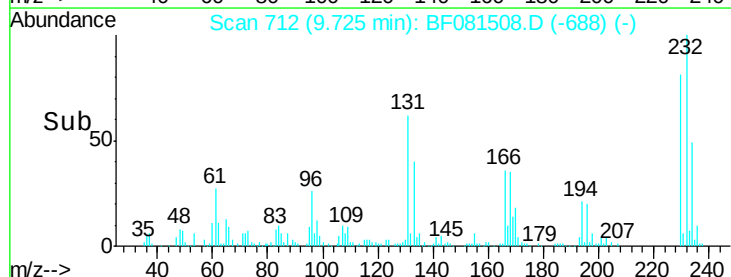
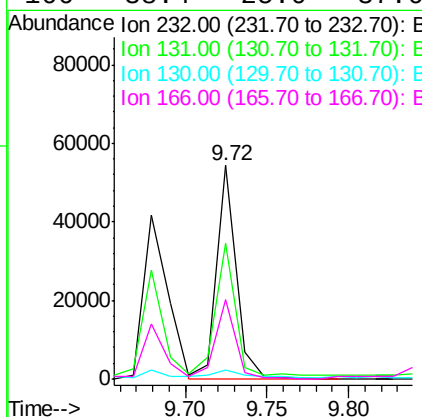
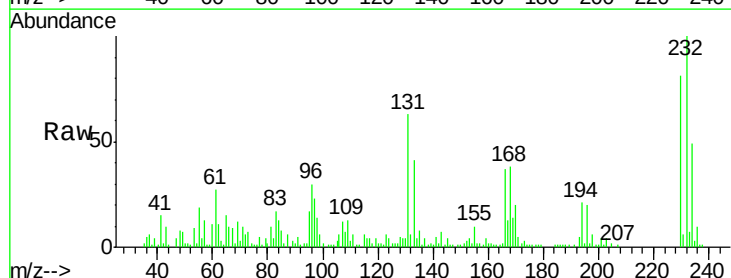
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB003MSD

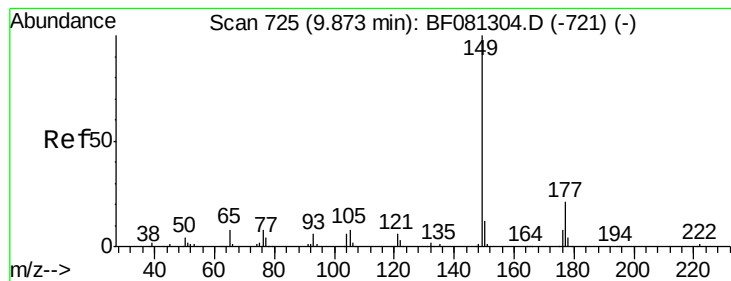
Tot Ion:166 Resp: 289649  
 Ion Ratio Lower Upper  
 166 100  
 165 94.6 72.6 109.0  
 167 15.2 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 31.88 ng  
 RT: 9.72 min Scan# 712  
 Delta R.T. -0.02 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

Tgt Ion:232 Resp: 45515  
 Ion Ratio Lower Upper  
 232 100  
 131 62.3 38.5 57.7#  
 130 4.6 1.8 2.6#  
 166 38.4 25.0 37.6#





#59

Diethylphthalate

Concen: 32.09 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

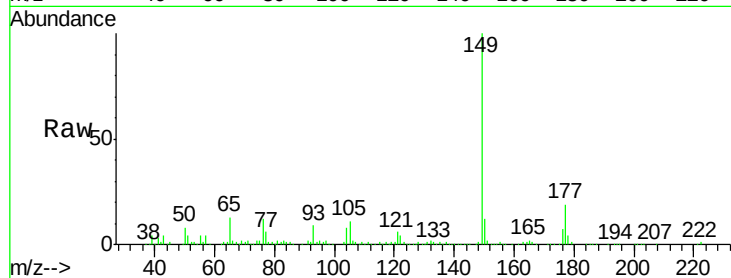
Tot Ion:149 Resp: 220297

Ion Ratio Lower Upper

149 100

177 18.6 17.5 26.3

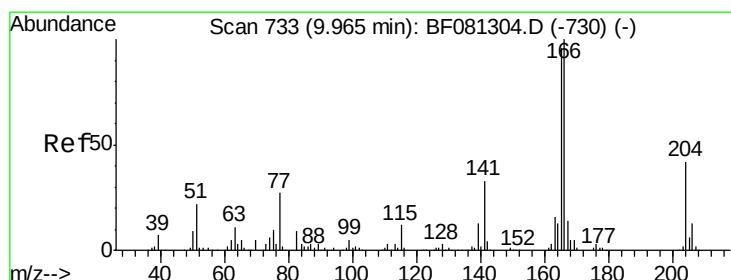
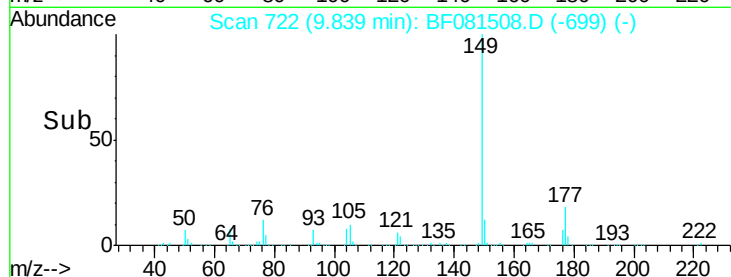
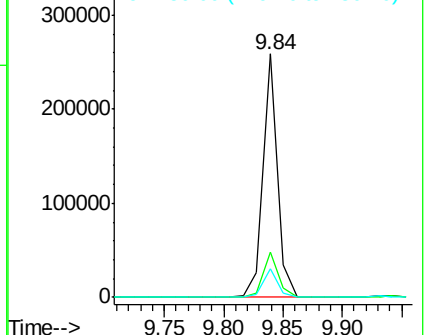
150 11.9 9.4 14.2



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: 35.03 ng

RT: 9.94 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

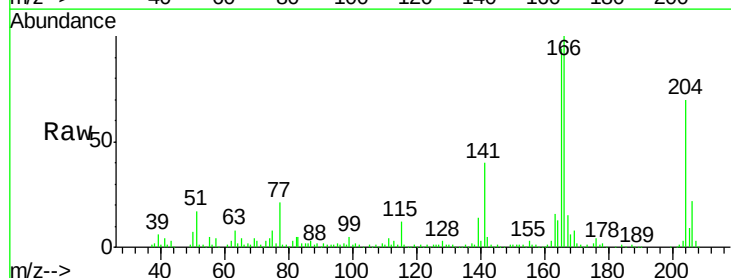
Tgt Ion:204 Resp: 101893

Ion Ratio Lower Upper

204 100

206 31.8 24.8 37.2

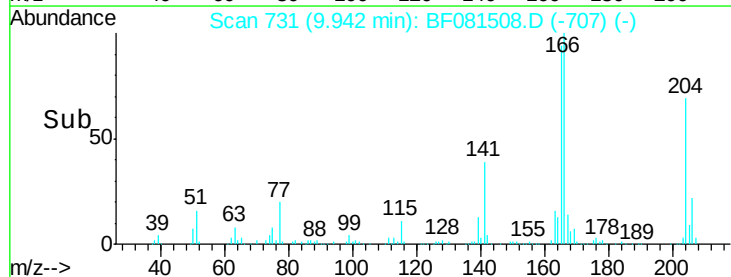
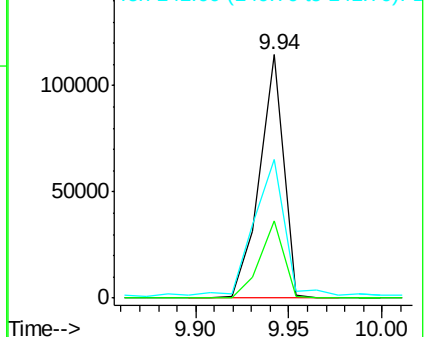
141 57.2 42.2 63.4

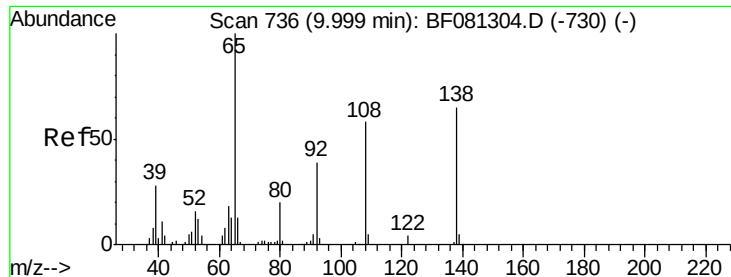


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

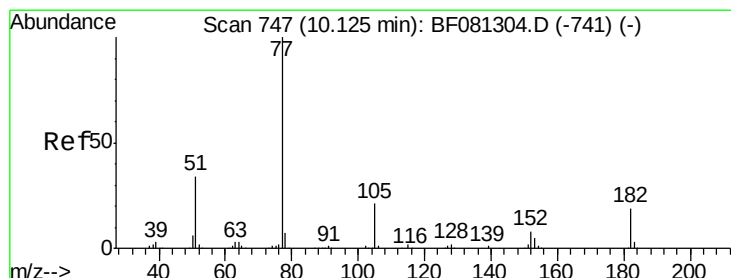
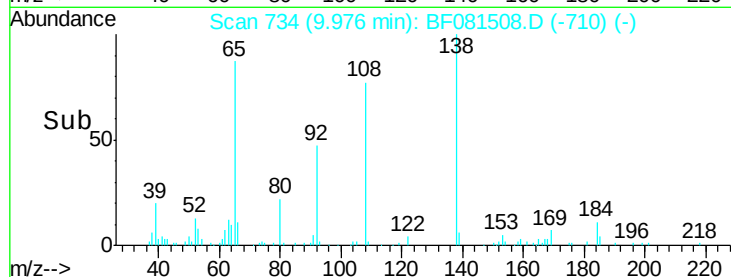
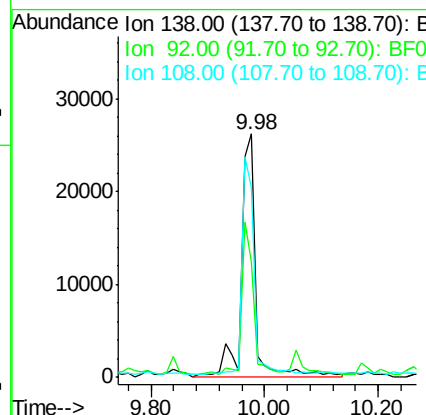
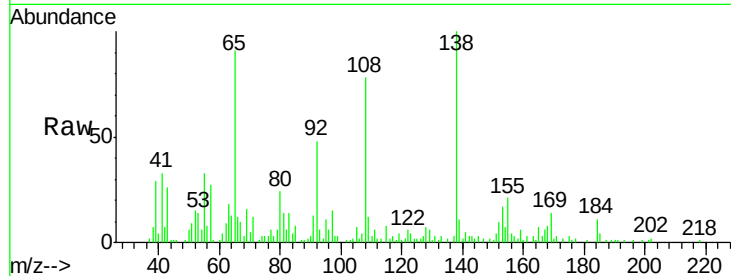




#61  
4-Nitroaniline  
Concen: 27.61 ng  
RT: 9.98 min Scan# 734  
Delta R.T. -0.02 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

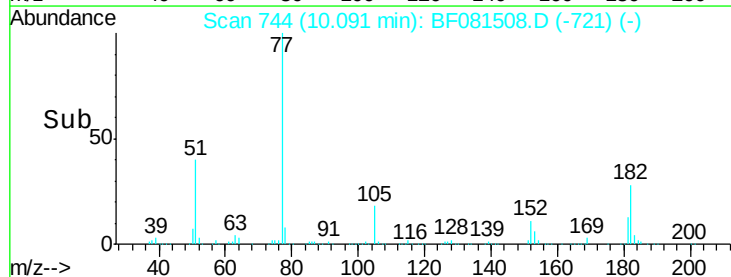
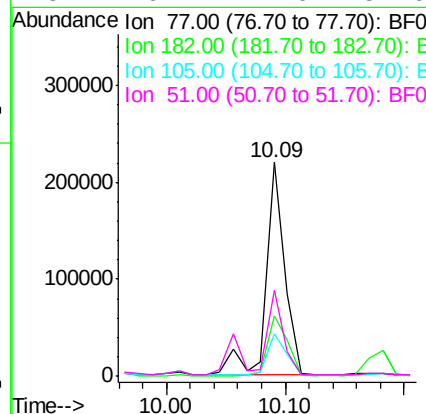
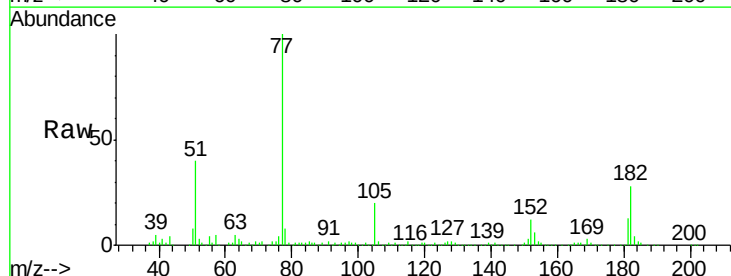
Instrument :  
BNA\_F  
ClientSampleId :  
SB003MSD

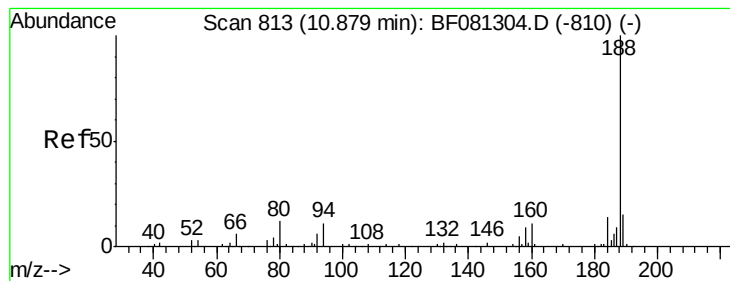
Tot Ion:138 Resp: 47039  
Ion Ratio Lower Upper  
138 100  
92 47.7 12.6 52.6  
108 77.9 12.4 52.4#



#62  
Azobenzene  
Concen: 31.40 ng  
RT: 10.09 min Scan# 744  
Delta R.T. -0.03 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

Tgt Ion: 77 Resp: 239617  
Ion Ratio Lower Upper  
77 100  
182 28.4 15.1 55.1  
105 19.6 3.4 43.4  
51 40.1 12.0 52.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.86 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

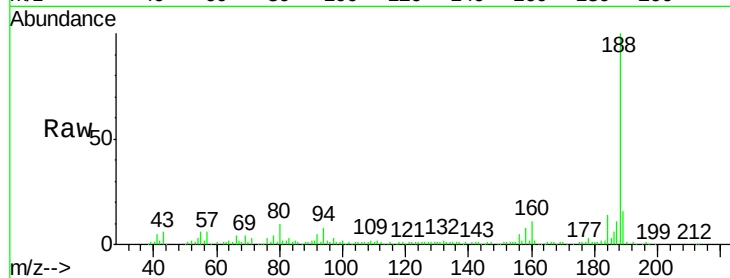
Tot Ion:188 Resp: 135549

Ion Ratio Lower Upper

188 100

94 8.0 11.1 16.7#

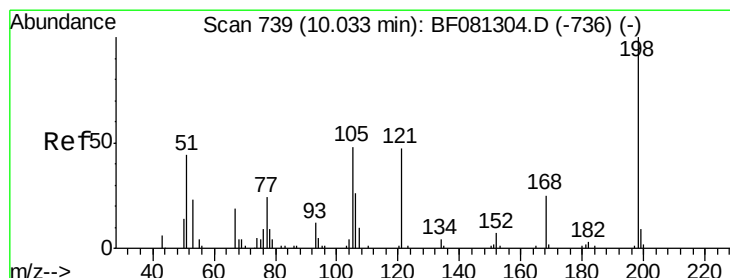
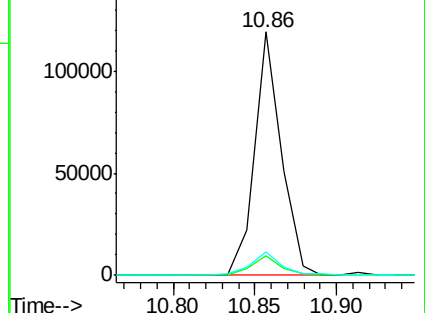
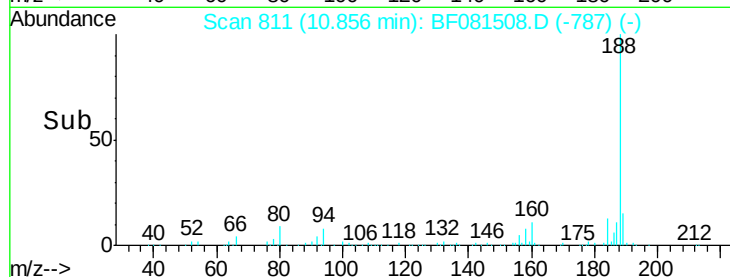
80 9.5 11.0 16.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 7.61 ng

RT: 10.01 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

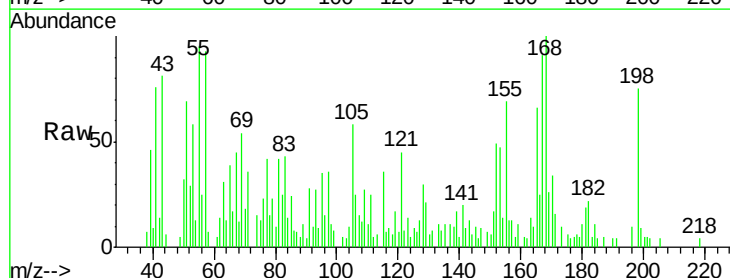
Tgt Ion:198 Resp: 5771

Ion Ratio Lower Upper

198 100

51 91.6 39.6 79.6#

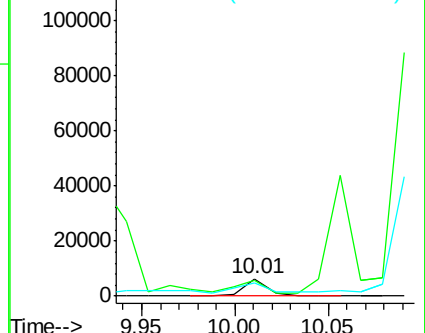
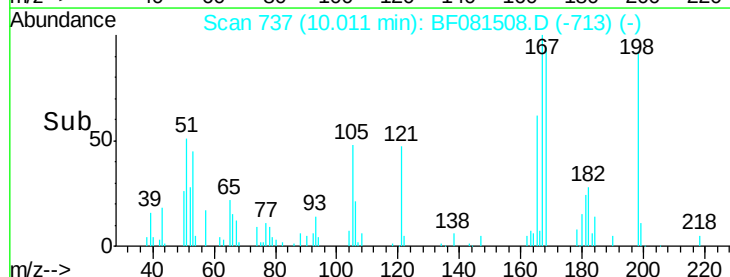
105 76.8 28.5 68.5#

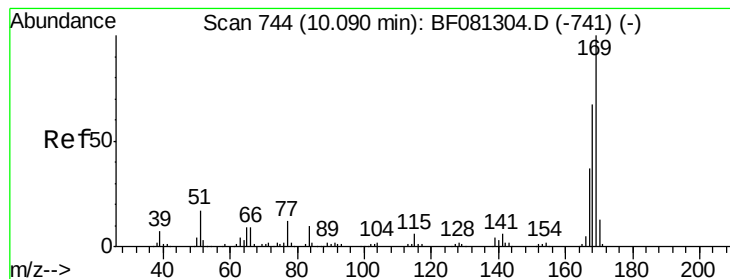


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

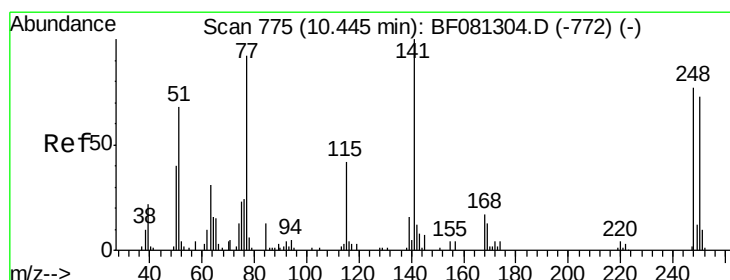
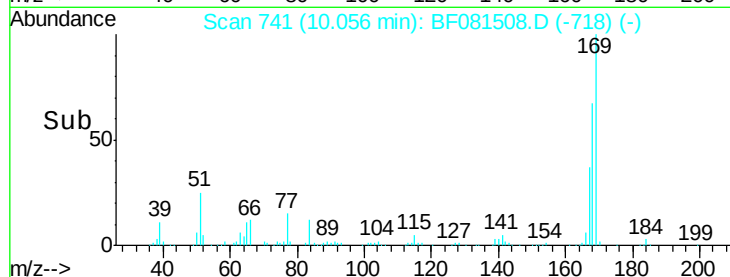
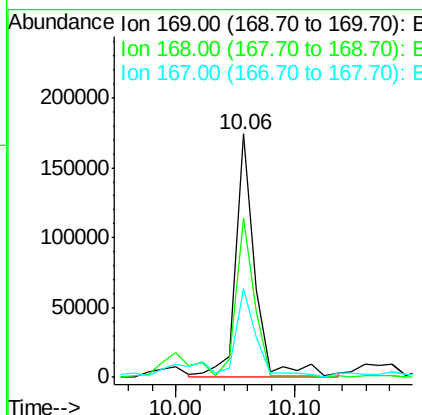
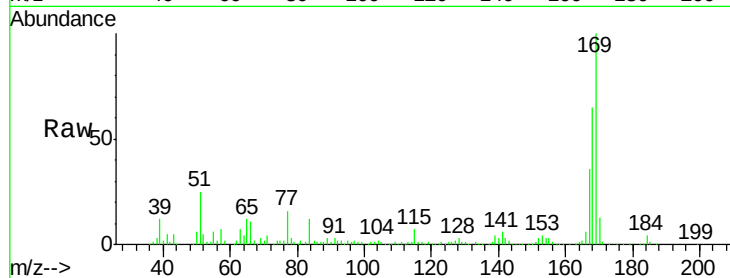




#65  
 n-Nitrosodiphenylamine  
 Concen: 39.93 ng  
 RT: 10.06 min Scan# 741  
 Delta R.T. -0.03 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

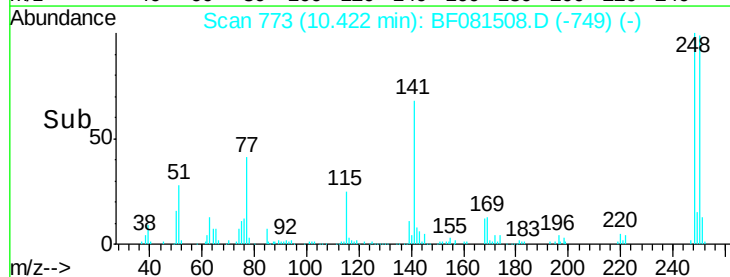
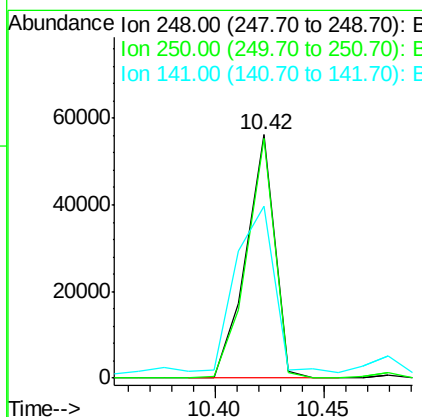
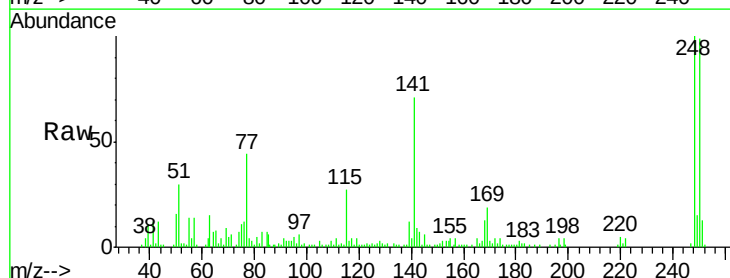
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB003MSD

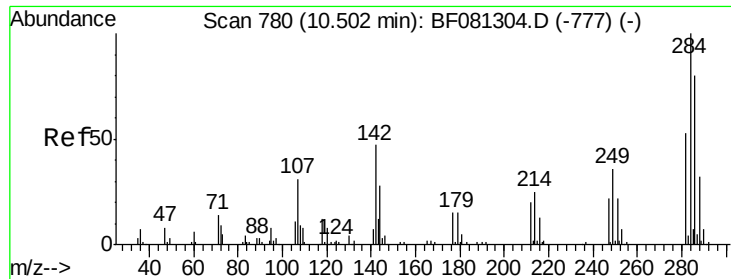
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 65.2  | 48.9  | 73.3  |
| 167     | 36.2  | 26.2  | 39.4  |



#66  
 4-Bromophenyl-phenylether  
 Concen: 37.46 ng  
 RT: 10.42 min Scan# 773  
 Delta R.T. -0.02 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.5  | 78.5  | 117.7 |
| 141     | 70.7  | 59.0  | 88.6  |





#67

Hexachlorobenzene

Concen: 33.09 ng

RT: 10.48 min Scan# 778

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

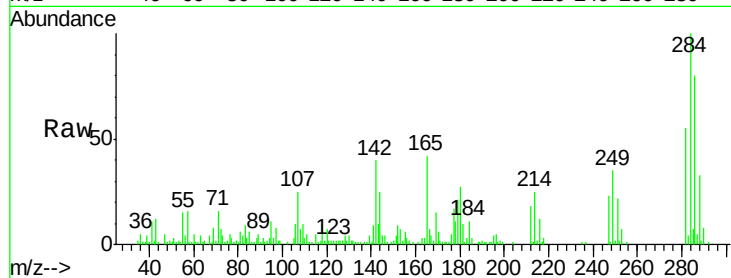
Tot Ion:284 Resp: 47420

Ion Ratio Lower Upper

284 100

142 39.9 29.5 44.3

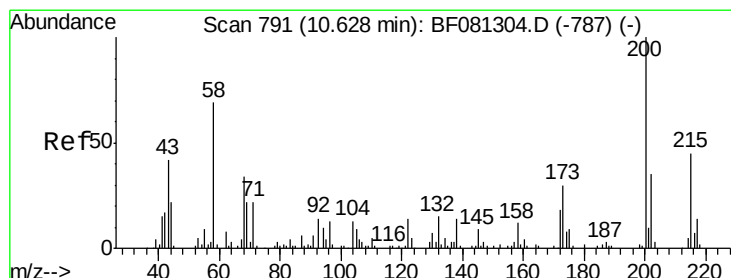
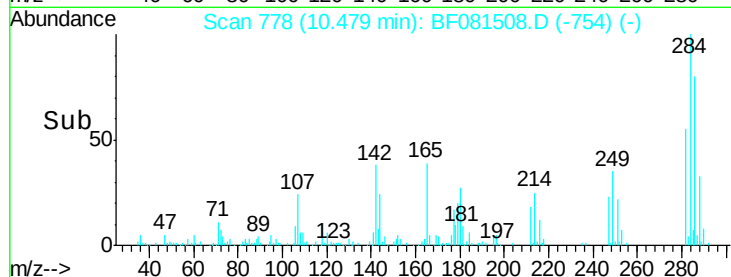
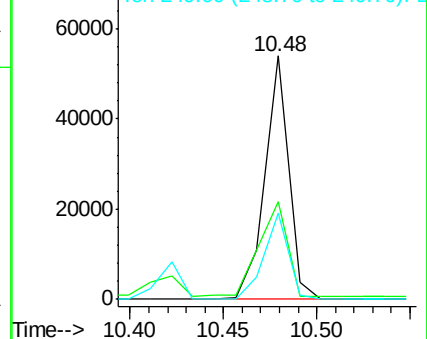
249 35.4 19.5 29.3#



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: 34.51 ng

RT: 10.60 min Scan# 789

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

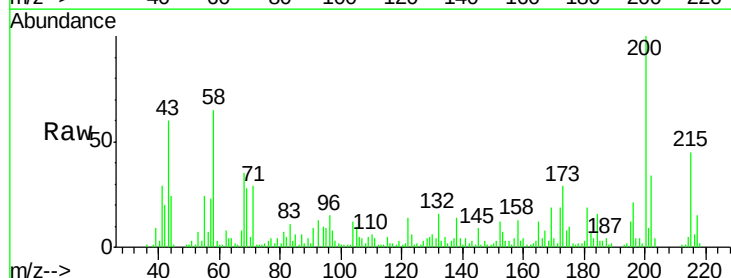
Tgt Ion:200 Resp: 49253

Ion Ratio Lower Upper

200 100

173 28.9 13.2 53.2

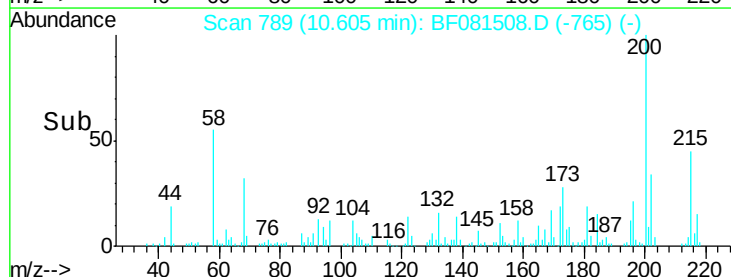
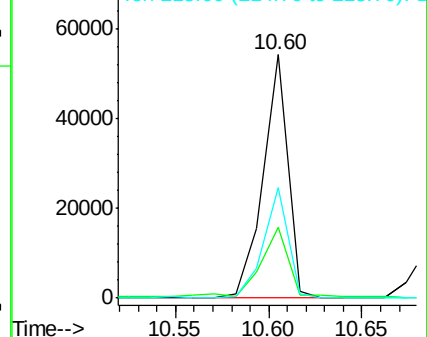
215 45.2 41.8 81.8

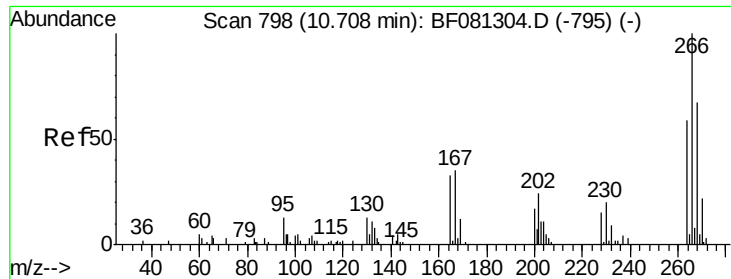


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

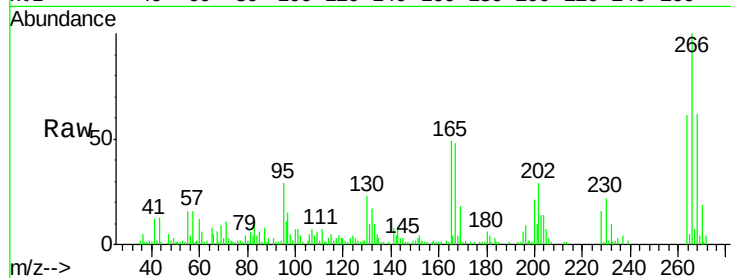




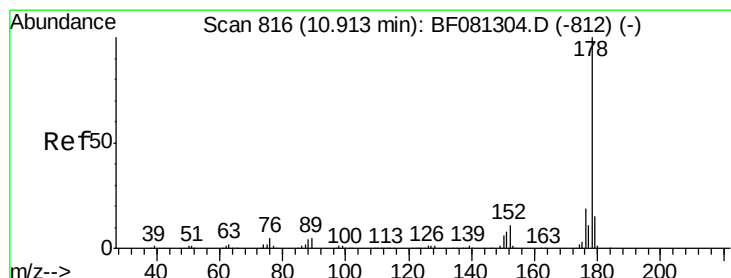
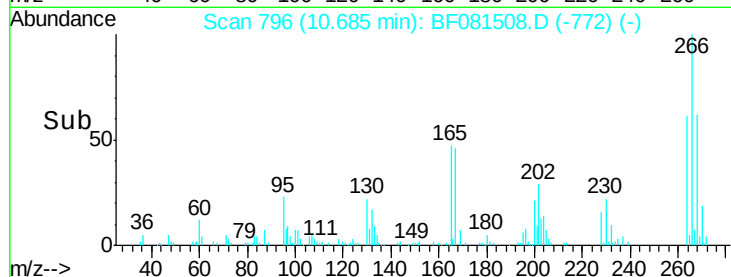
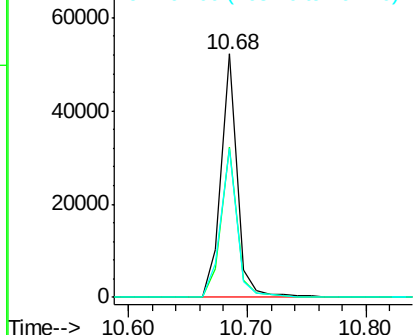
#69  
 Pentachlorophenol  
 Concen: 71.75 ng  
 RT: 10.68 min Scan# 796  
 Delta R.T. -0.02 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB003MSD

Tot Ion:266 Resp: 49348  
 Ion Ratio Lower Upper  
 266 100  
 268 61.7 49.8 74.6  
 264 61.3 50.2 75.2

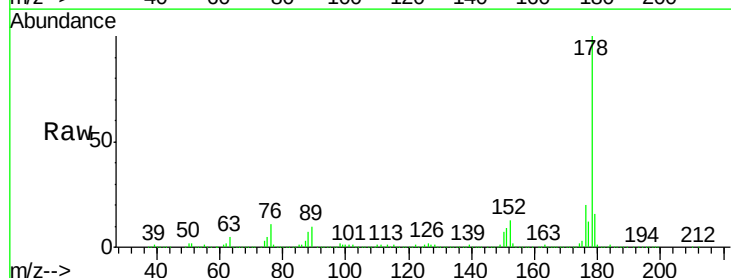


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

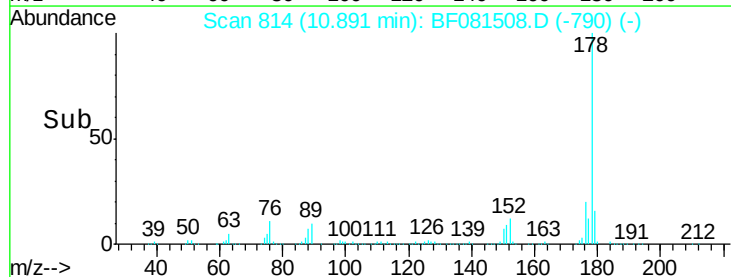
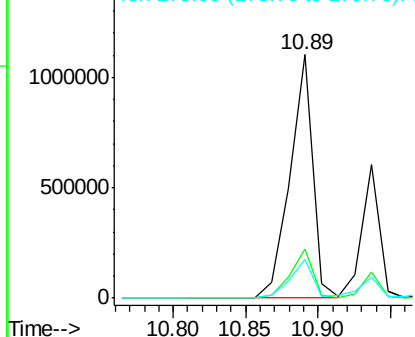


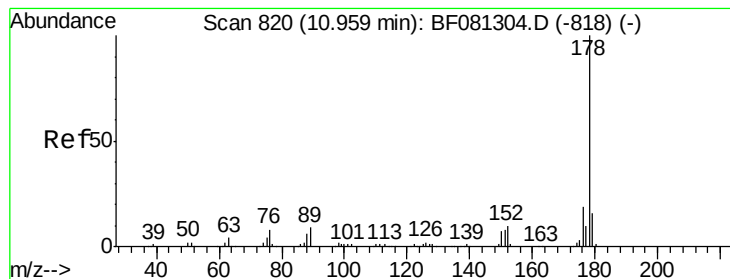
#70  
 Phenanthrene  
 Concen: 158.55 ng  
 RT: 10.89 min Scan# 814  
 Delta R.T. -0.02 min  
 Lab File: BF081508.D  
 Acq: 6 Sep 2015 14:16

Tgt Ion:178 Resp: 1194777  
 Ion Ratio Lower Upper  
 178 100  
 176 20.4 13.8 20.8  
 179 16.1 12.2 18.2



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: 65.72 ng

RT: 10.94 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleID :

SB003MSD

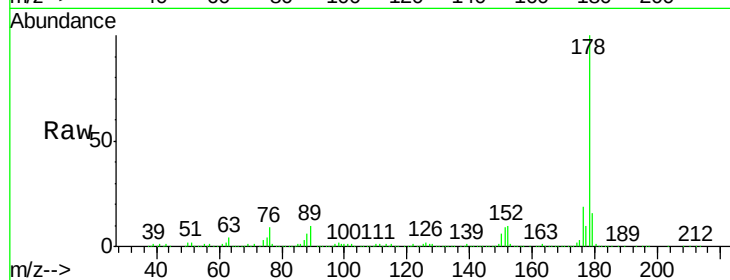
Tot Ion:178 Resp: 508828

Ion Ratio Lower Upper

178 100

176 19.1 14.1 21.1

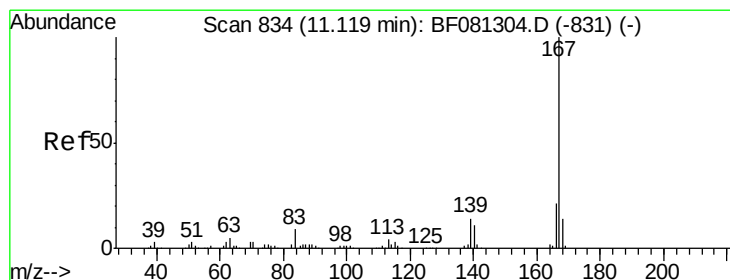
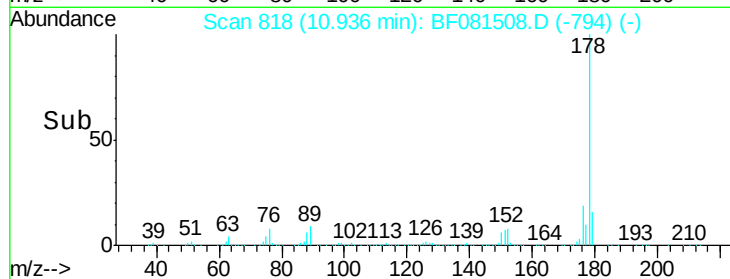
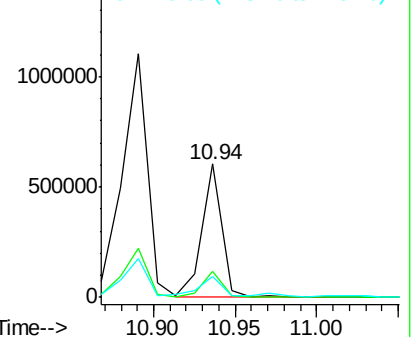
179 15.8 12.2 18.2



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



#72

Carbazole

Concen: 45.23 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

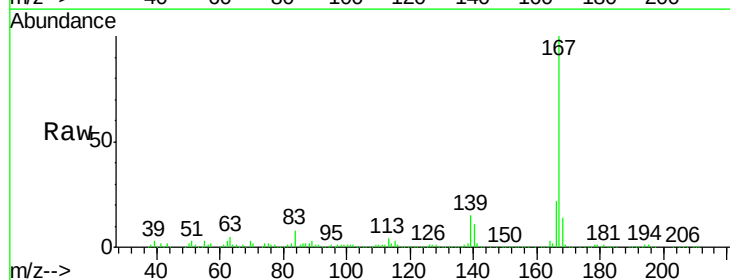
Tgt Ion:167 Resp: 328592

Ion Ratio Lower Upper

167 100

166 21.5 15.7 23.5

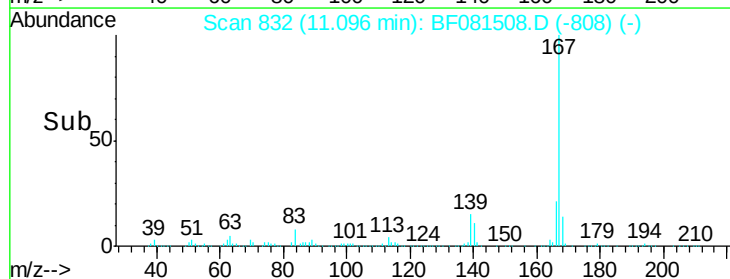
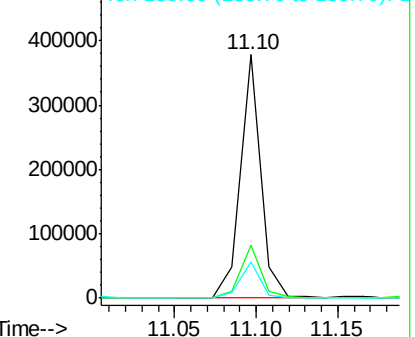
139 14.9 9.5 14.3#



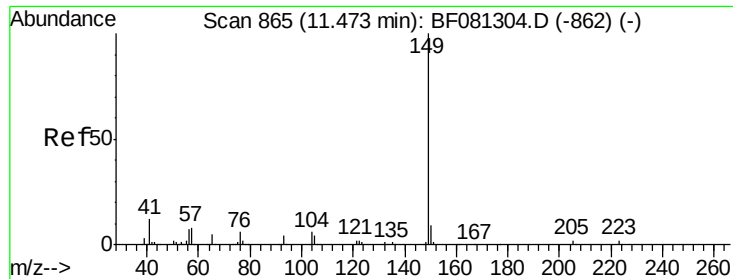
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E







#73

Di-n-butylphthalate

Concen: 39.60 ng

RT: 11.45 min Scan# 863

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

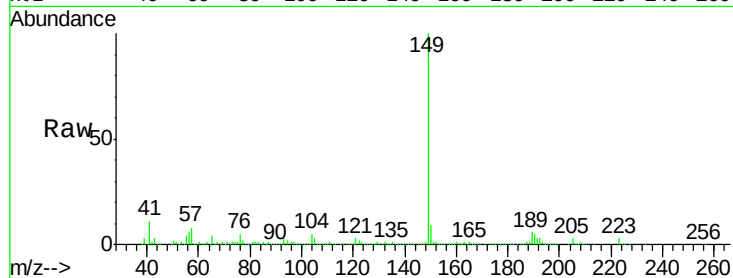
Tot Ion:149 Resp: 339746

Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

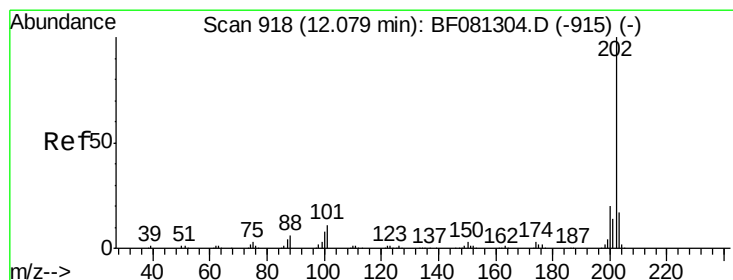
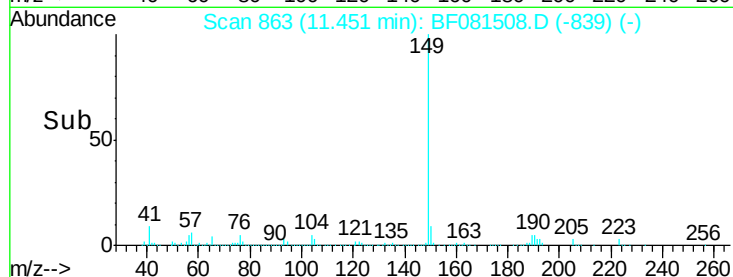
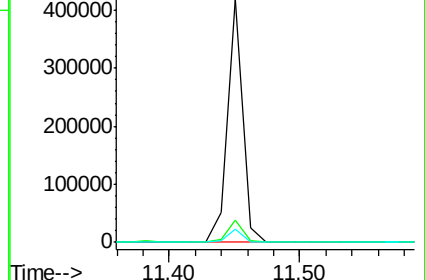
104 5.3 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 177.19 ng

RT: 12.07 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

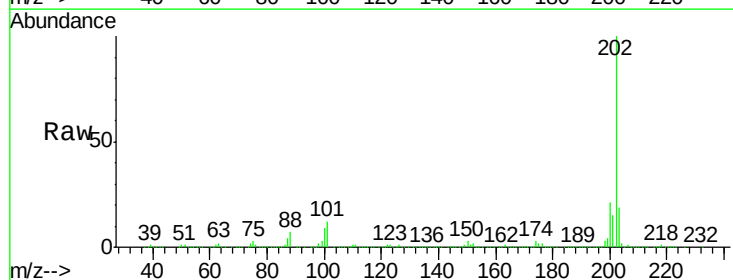
Tgt Ion:202 Resp: 1445486

Ion Ratio Lower Upper

202 100

101 12.3 0.0 38.3

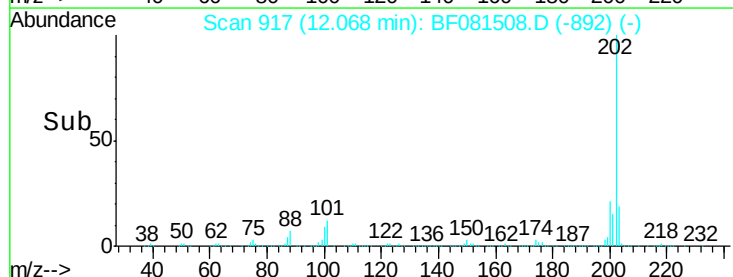
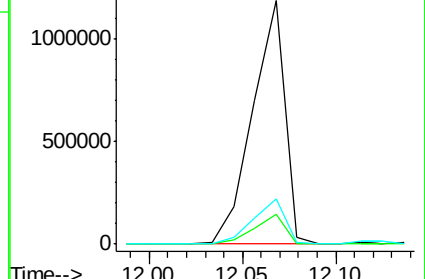
203 18.6 0.0 37.3

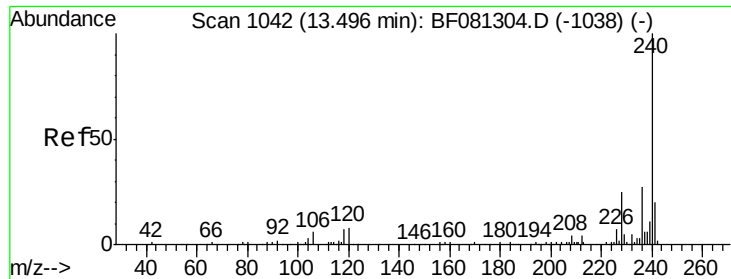


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.47 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

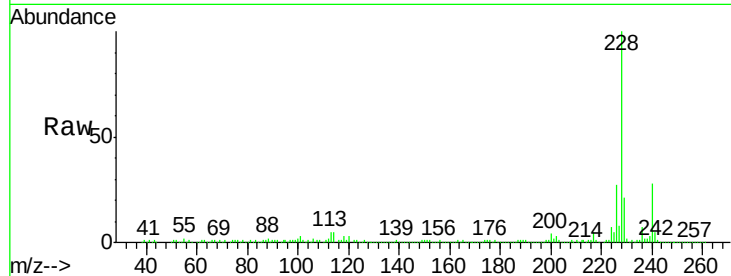
Tot Ion:240 Resp: 98772

Ion Ratio Lower Upper

240 100

120 10.8 16.2 24.2#

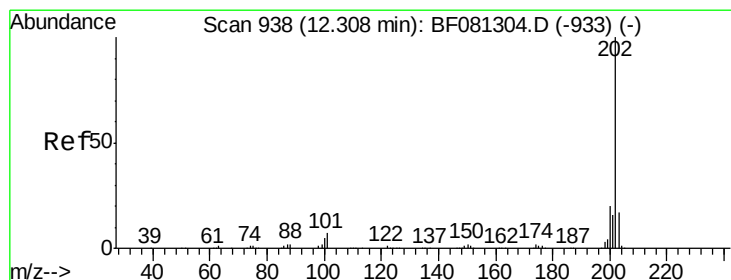
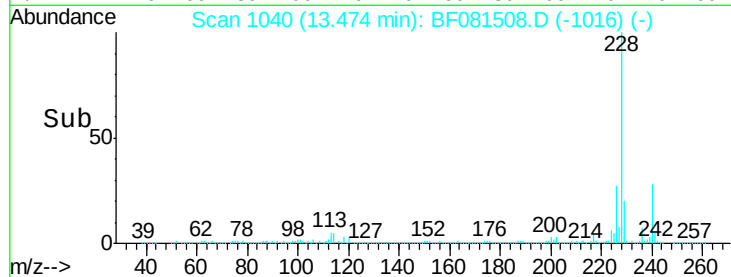
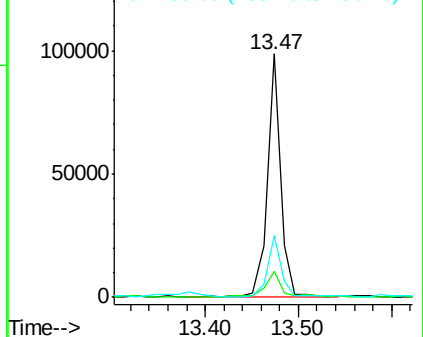
236 25.7 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 197.57 ng

RT: 12.07 min Scan# 917

Delta R.T. -0.24 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

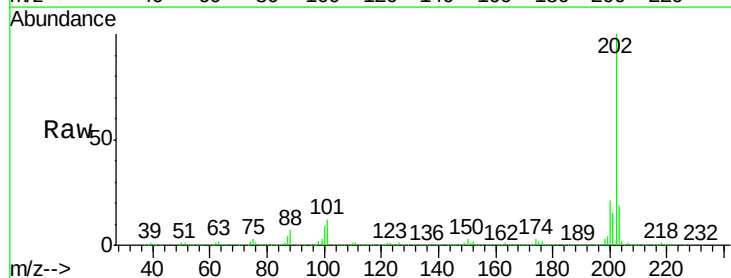
Tgt Ion:202 Resp: 1445486

Ion Ratio Lower Upper

202 100

200 21.0 15.0 22.4

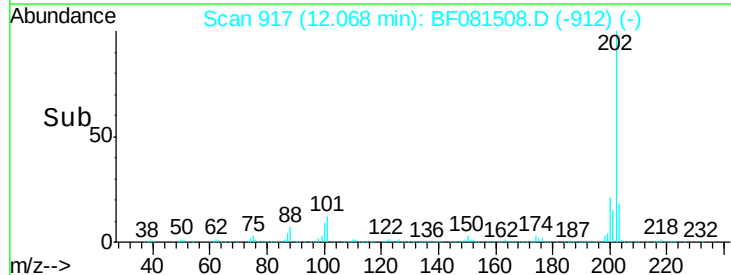
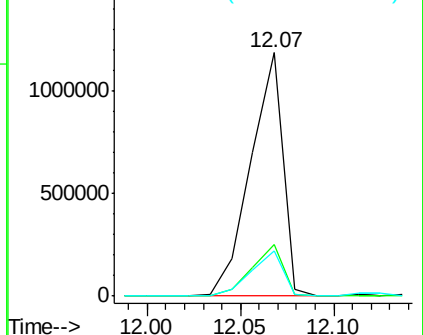
203 18.6 14.1 21.1

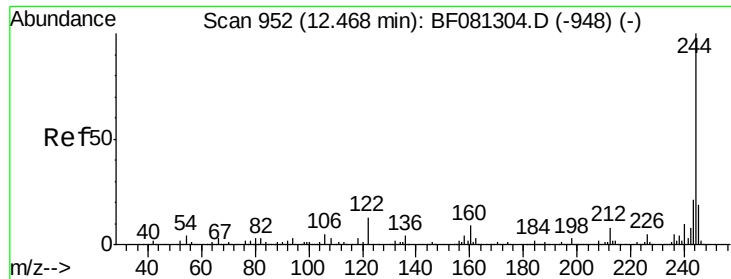


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 59.56 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

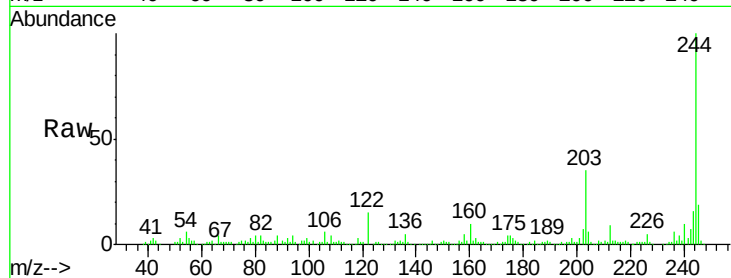
Tot Ion:244 Resp: 252702

Ion Ratio Lower Upper

244 100

212 8.5 4.3 6.5#

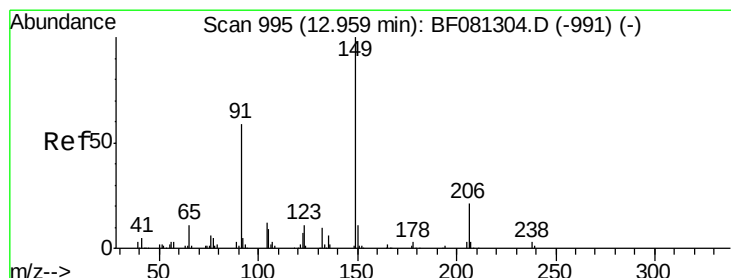
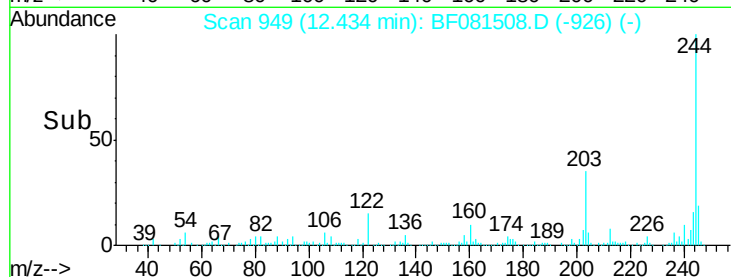
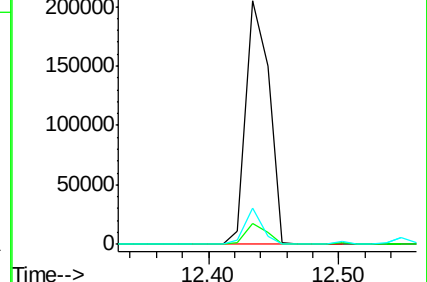
122 14.8 17.4 26.2#



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: 116.77 ng

RT: 12.94 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

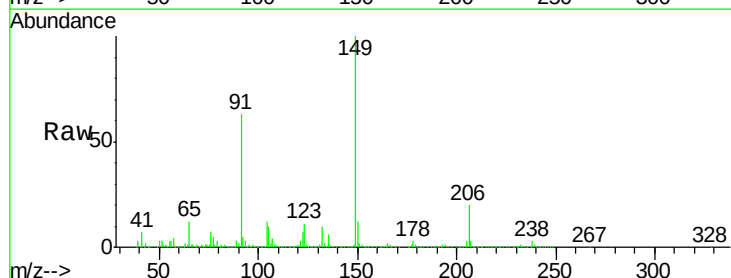
Tgt Ion:149 Resp: 371552

Ion Ratio Lower Upper

149 100

91 62.8 48.6 72.8

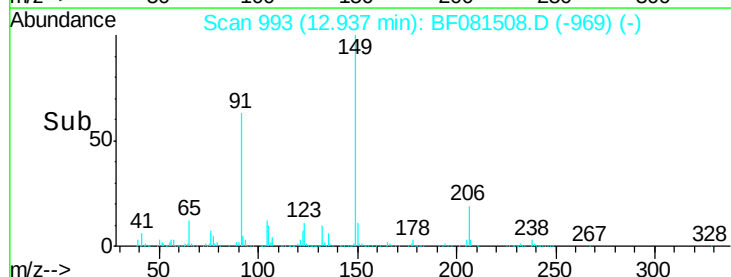
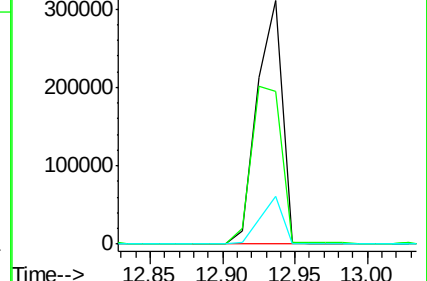
206 19.6 14.9 22.3

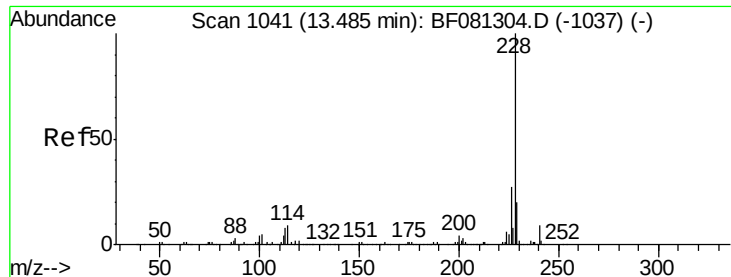


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

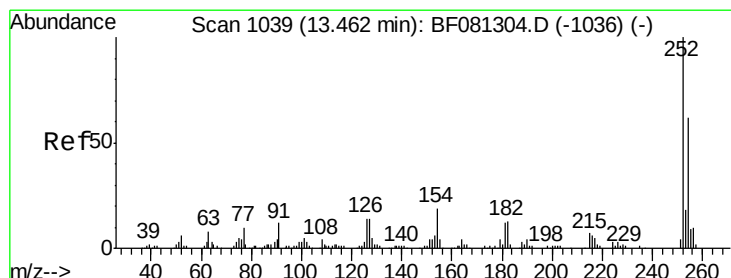
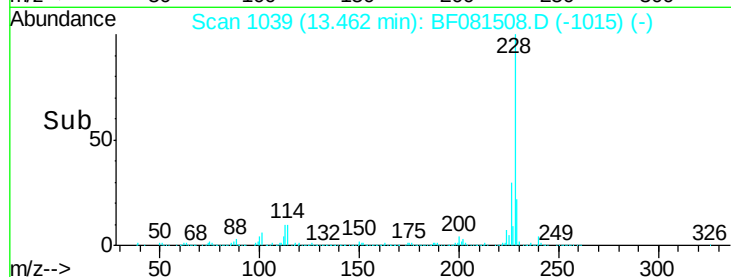
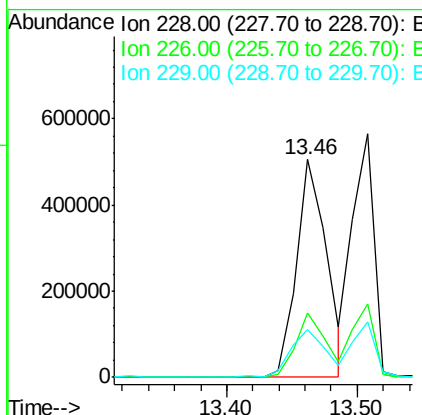
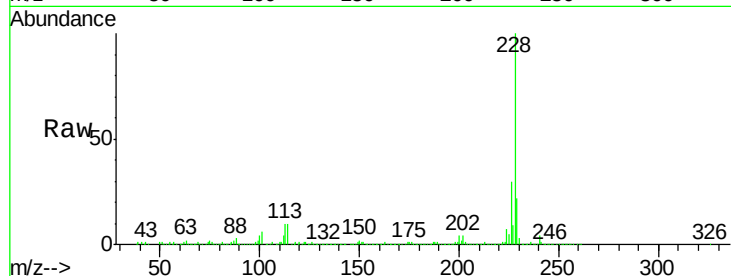




#80  
Benzo(a)anthracene  
Concen: 129.21 ng  
RT: 13.46 min Scan# 1039  
Delta R.T. -0.02 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

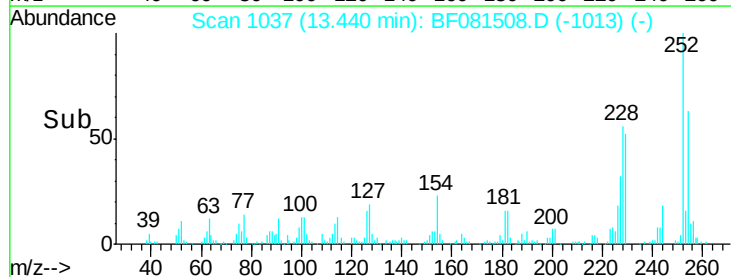
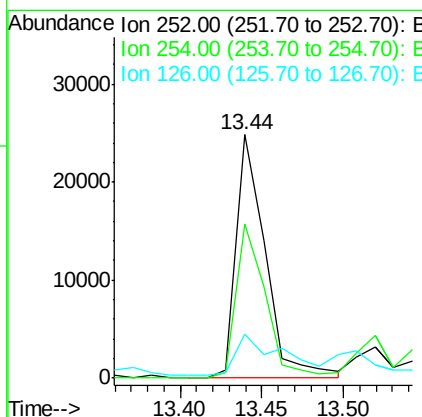
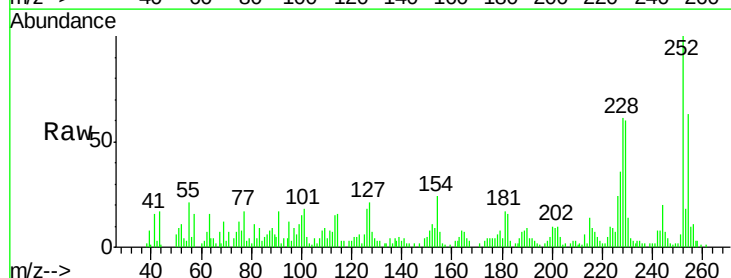
Instrument :  
BNA\_F  
ClientSampleId :  
SB003MSD

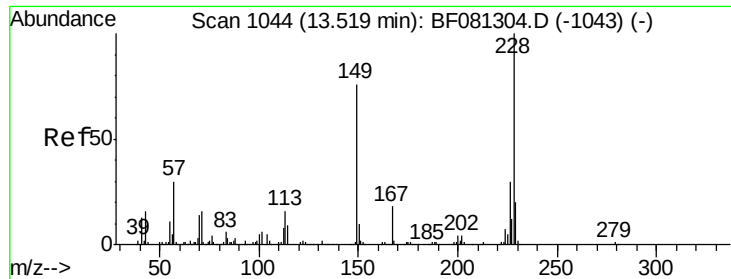
Tot Ion:228 Resp: 812733  
Ion Ratio Lower Upper  
228 100  
226 29.6 20.0 30.0  
229 22.2 15.4 23.2



#81  
3,3'-Dichlorobenzidine  
Concen: 14.40 ng  
RT: 13.44 min Scan# 1037  
Delta R.T. -0.02 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

Tgt Ion:252 Resp: 30555  
Ion Ratio Lower Upper  
252 100  
254 63.0 51.4 77.2  
126 17.9 16.4 24.6

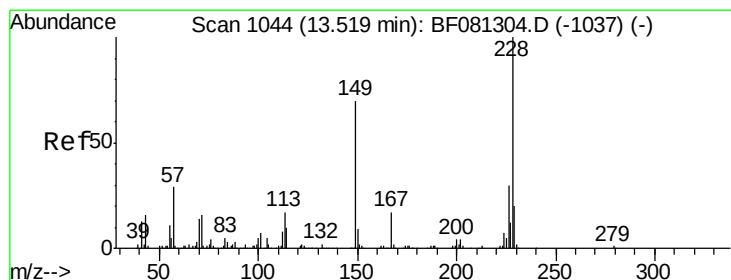
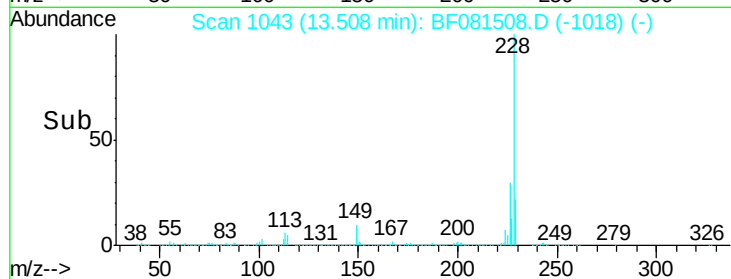
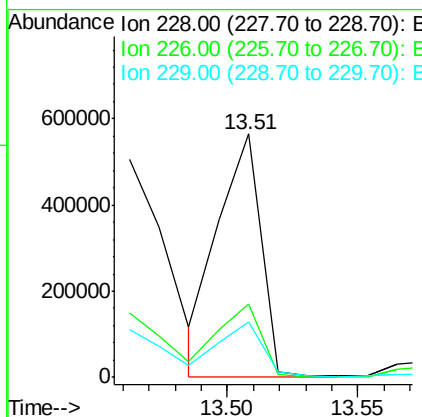
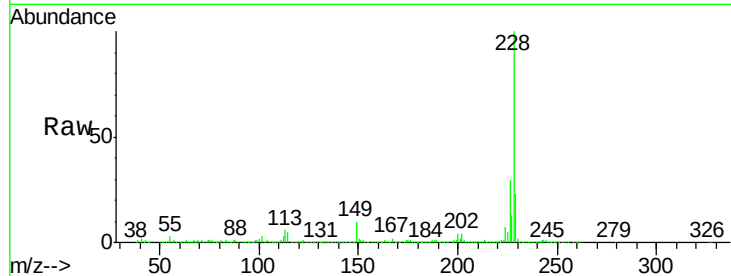




#82  
Chrysene  
Concen: 114.95 ng  
RT: 13.51 min Scan# 1043  
Delta R.T. -0.01 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

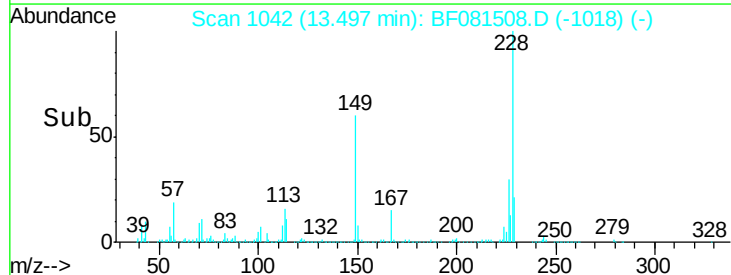
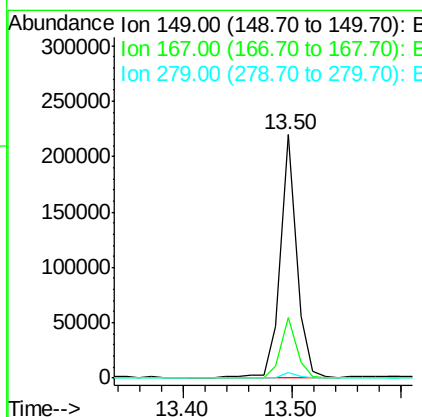
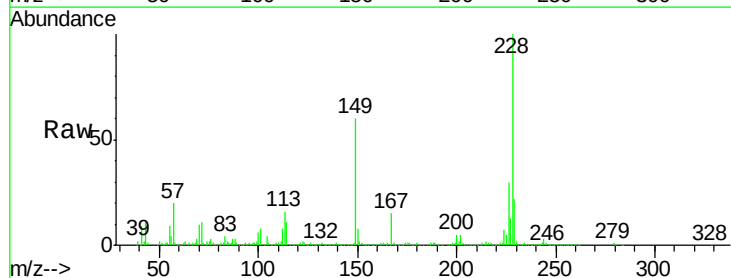
Instrument :  
BNA\_F  
ClientSampleId :  
SB003MSD

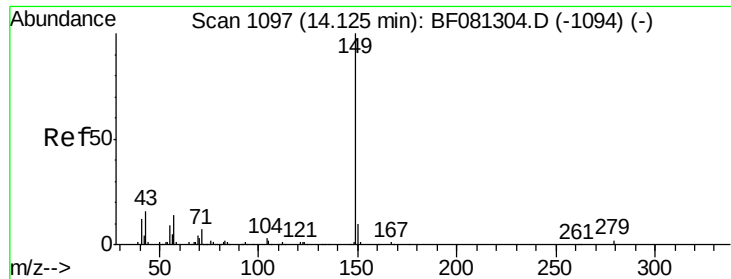
Tot Ion:228 Resp: 648126  
Ion Ratio Lower Upper  
228 100  
226 30.3 21.0 31.4  
229 22.6 15.6 23.4



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 54.07 ng  
RT: 13.50 min Scan# 1042  
Delta R.T. -0.02 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

Tgt Ion:149 Resp: 227033  
Ion Ratio Lower Upper  
149 100  
167 24.6 24.2 36.2  
279 2.3 3.8 5.6#





#84

Di-n-octyl phthalate

Concen: 37.61 ng

RT: 14.10 min Scan# 1095

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

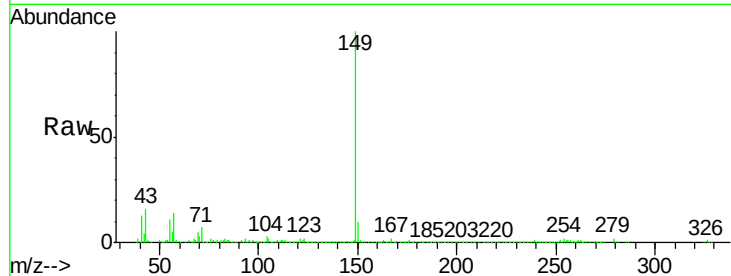
Tot Ion:149 Resp: 260031

Ion Ratio Lower Upper

149 100

167 1.5 1.0 1.6

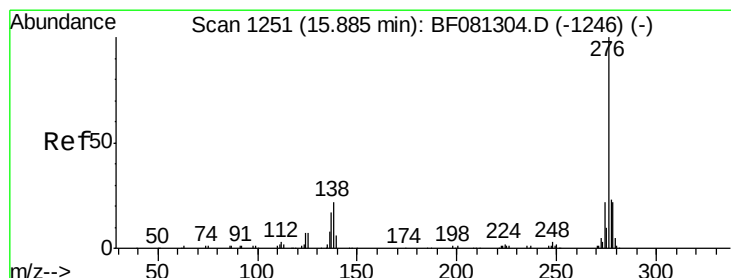
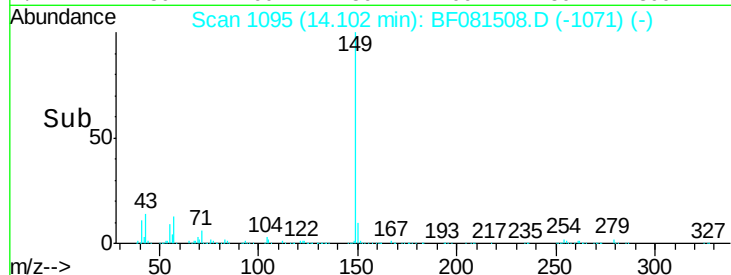
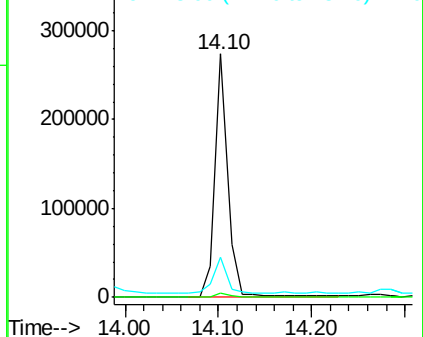
43 15.0 10.2 15.2



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: 80.08 ng

RT: 15.87 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

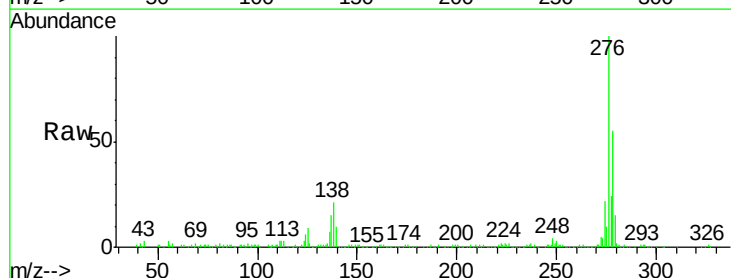
Tgt Ion:276 Resp: 331287

Ion Ratio Lower Upper

276 100

138 20.6 25.7 38.5#

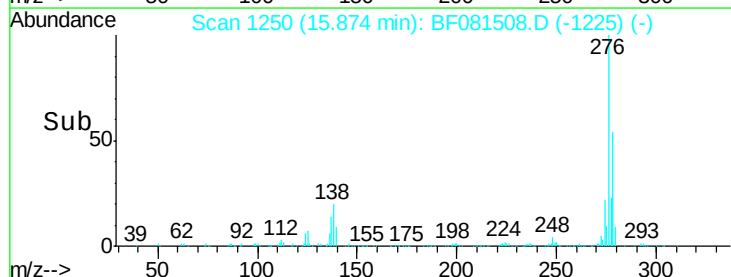
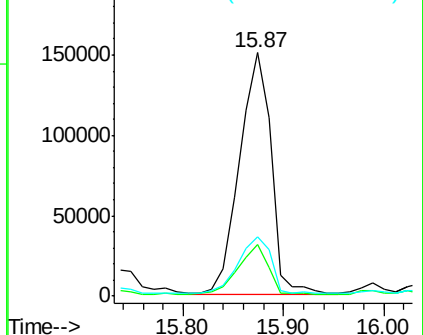
277 23.8 15.6 23.4#

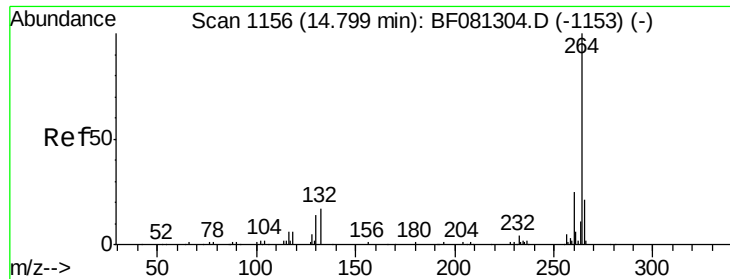


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



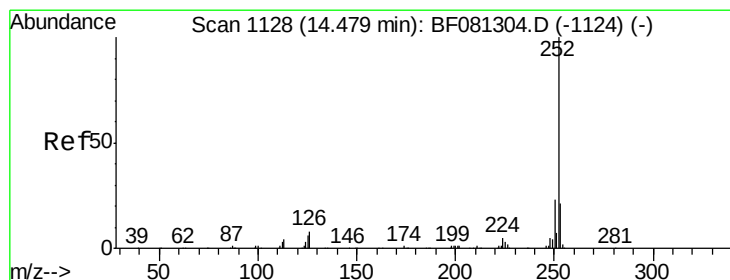
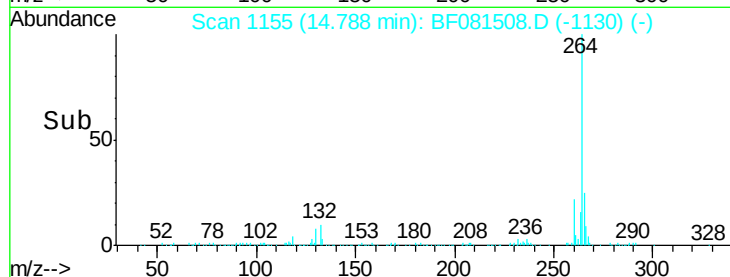
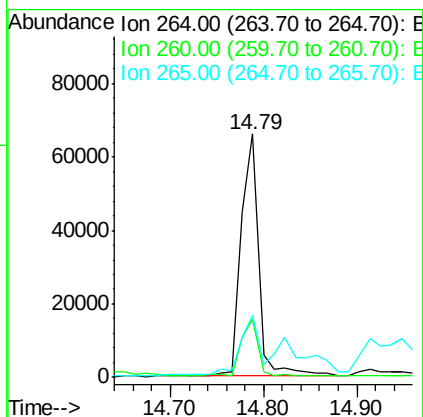
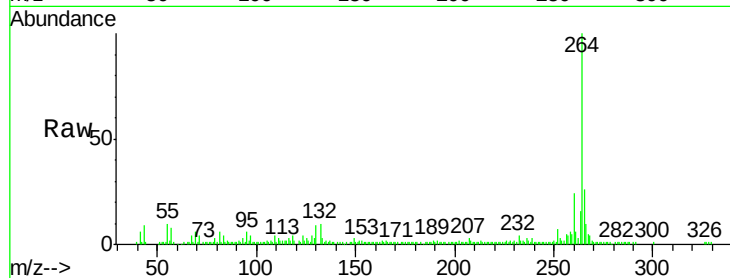


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 14.79 min Scan# 1155  
Delta R.T. -0.01 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
SB003MSD

Tot Ion:264 Resp: 87262  

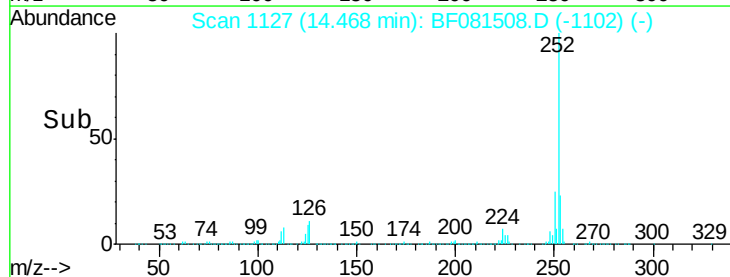
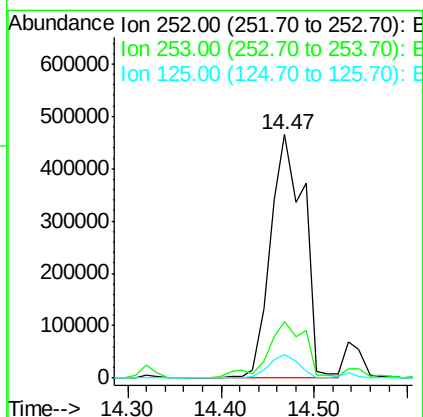
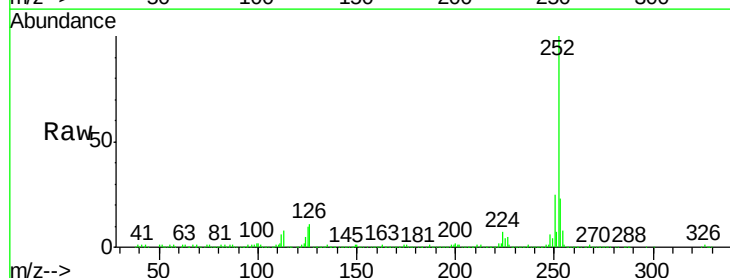
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 16.7  | 25.1  |
| 265 | 25.6  | 17.2  | 25.8  |

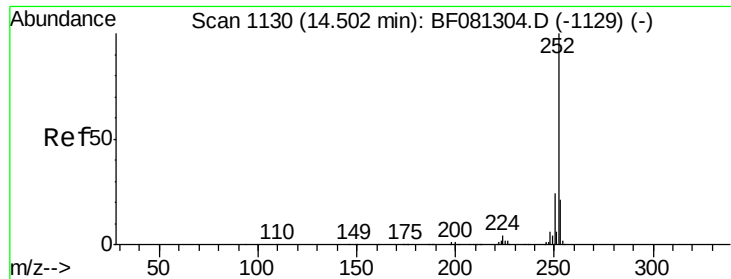


#87  
Benzo(b)fluoranthene  
Concen: 185.11 ng  
RT: 14.47 min Scan# 1127  
Delta R.T. -0.01 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

Tgt Ion:252 Resp: 1153241  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.1  | 17.5  | 26.3  |
| 125 | 9.6   | 17.1  | 25.7# |

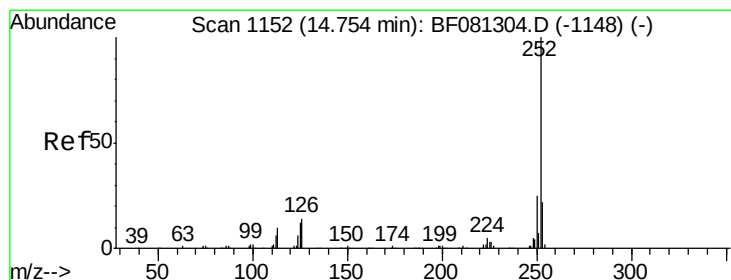
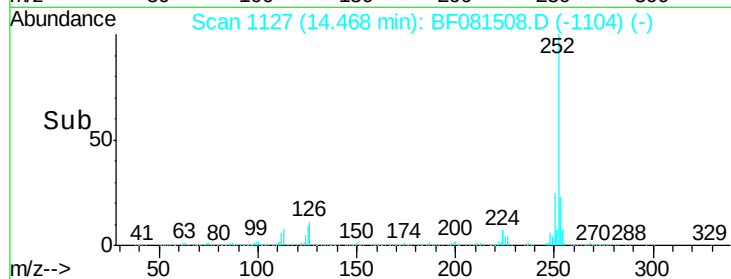
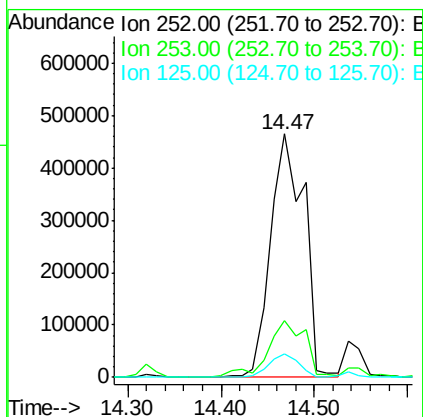
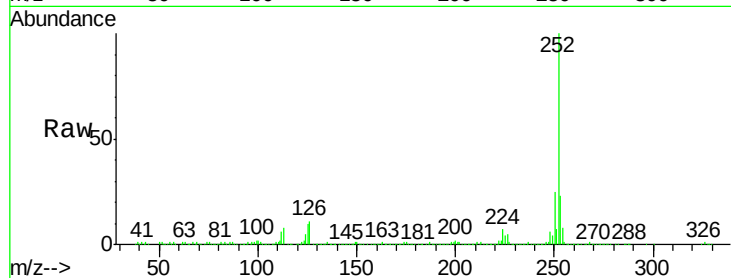




#88  
Benzo(k)fluoranthene  
Concen: 223.09 ng  
RT: 14.47 min Scan# 1127  
Delta R.T. -0.03 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

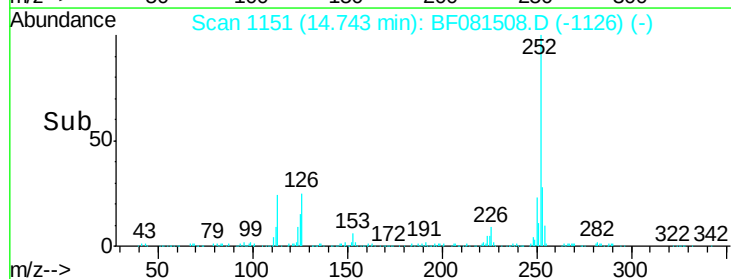
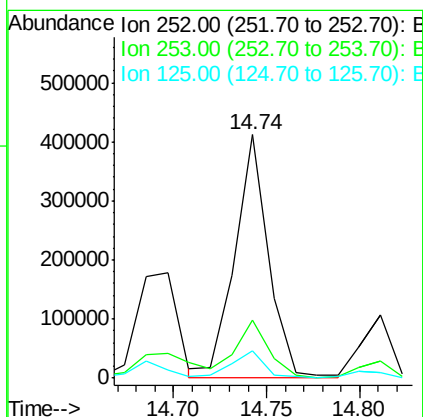
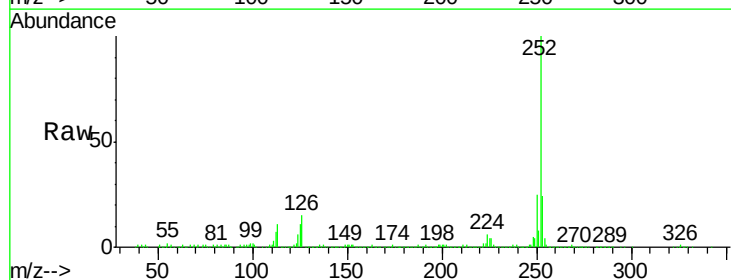
Instrument :  
BNA\_F  
ClientSampleId :  
SB003MSD

Tot Ion:252 Resp: 1153241  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.0 25.4  
125 9.6 16.0 24.0#

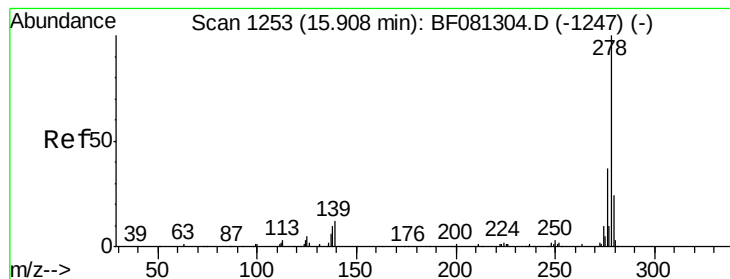


#89  
Benzo(a)pyrene  
Concen: 97.60 ng  
RT: 14.74 min Scan# 1151  
Delta R.T. -0.01 min  
Lab File: BF081508.D  
Acq: 6 Sep 2015 14:16

Tgt Ion:252 Resp: 515254  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.2 25.8  
125 11.3 18.0 27.0#







#90

Dibenzo(a,h)anthracene

Concen: 48.11 ng

RT: 15.89 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

SB003MSD

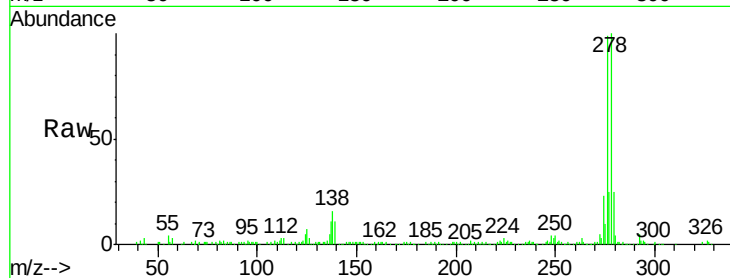
Tot Ion:278 Resp: 196242

Ion Ratio Lower Upper

278 100

139 10.6 26.3 39.5#

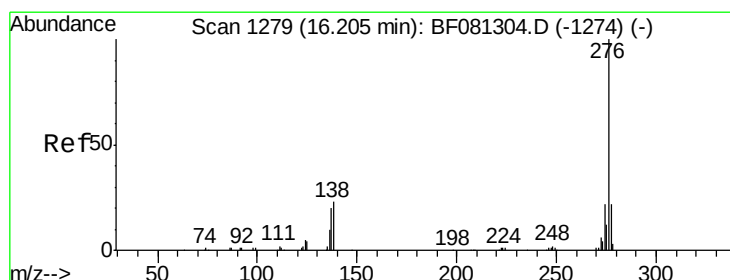
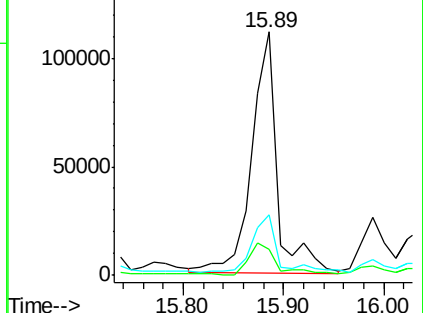
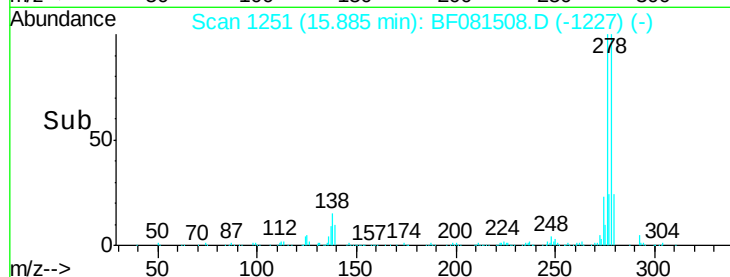
279 25.1 18.2 27.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 66.84 ng

RT: 16.19 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF081508.D

Acq: 6 Sep 2015 14:16

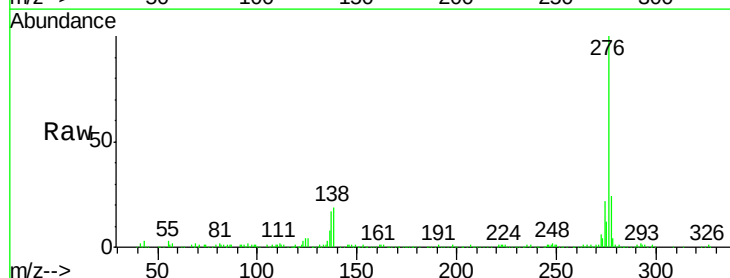
Tgt Ion:276 Resp: 260223

Ion Ratio Lower Upper

276 100

277 23.8 17.8 26.6

138 19.2 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

