

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\  
 Data File : BF089451.D  
 Acq On : 30 Jul 2016 14:13  
 Operator : UM/SJ  
 Sample : H4221-04MSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 01 01:07:44 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 28 16:02:32 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.50  | 152  | 48100    | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8        | 7.79  | 136  | 198485   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10      | 9.53  | 164  | 90611    | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10      | 11.00 | 188  | 170701   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12          | 13.62 | 240  | 96943    | 20.00 | ng    | -0.05    |
| 86) Perylene-d12          | 14.95 | 264  | 83505    | 20.00 | ng    | -0.06    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.08  | 112 | 407806 | 135.37 | ng | -0.02 |
| 7) Phenol-d6                | 6.17  | 99  | 494207 | 124.14 | ng | -0.03 |
| 23) Nitrobenzene-d5         | 7.08  | 82  | 333322 | 99.12  | ng | -0.03 |
| 41) 2,4,6-Tribromophenol    | 10.32 | 330 | 96328  | 128.36 | ng | -0.05 |
| 44) 2-Fluorobiphenyl        | 8.87  | 172 | 533601 | 86.42  | ng | -0.05 |
| 78) Terphenyl-d14           | 12.58 | 244 | 380726 | 91.92  | ng | -0.05 |

|                                |      |     |        |       |    |        |
|--------------------------------|------|-----|--------|-------|----|--------|
| Target Compounds               |      |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 1.95 | 88  | 50094  | 36.38 | ng | # 90   |
| 3) Pyridine                    | 2.54 | 79  | 137630 | 46.70 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 2.51 | 42  | 58564  | 48.22 | ng | 97     |
| 6) Aniline                     | 6.17 | 93  | 143252 | 33.32 | ng | 95     |
| 8) 2-Chlorophenol              | 6.30 | 128 | 152744 | 44.83 | ng | 95     |
| 9) Benzaldehyde                | 6.04 | 77  | 89726  | 46.16 | ng | 99     |
| 10) Phenol                     | 6.18 | 94  | 187815 | 42.75 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 6.25 | 93  | 152735 | 40.92 | ng | 91     |
| 12) 1,3-Dichlorobenzene        | 6.67 | 146 | 145723 | 40.88 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 6.52 | 146 | 157792 | 40.12 | ng | 93     |
| 14) 1,2-Dichlorobenzene        | 6.67 | 146 | 162499 | 44.10 | ng | 96     |
| 15) Benzyl Alcohol             | 6.66 | 79  | 130076 | 52.65 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.80 | 45  | 166826 | 40.98 | ng | 99     |
| 17) 2-Methylphenol             | 6.79 | 107 | 110761 | 42.06 | ng | 96     |
| 18) Hexachloroethane           | 7.00 | 117 | 61140  | 40.54 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 6.94 | 70  | 111998 | 46.65 | ng | # 89   |
| 20) 3+4-Methylphenols          | 6.95 | 107 | 157401 | 46.54 | ng | # 90   |
| 22) Acetophenone               | 6.92 | 105 | 199113 | 42.14 | ng | # 96   |
| 24) Nitrobenzene               | 7.10 | 77  | 153940 | 40.22 | ng | 91     |
| 25) Isophorone                 | 7.35 | 82  | 307203 | 45.35 | ng | 97     |
| 26) 2-Nitrophenol              | 7.42 | 139 | 84564  | 49.42 | ng | 93     |
| 27) 2,4-Dimethylphenol         | 7.47 | 122 | 126131 | 46.27 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.56 | 93  | 201911 | 53.85 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.67 | 162 | 123735 | 49.82 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.74 | 180 | 130524 | 46.06 | ng | 97     |
| 31) Naphthalene                | 7.82 | 128 | 452733 | 46.06 | ng | 100    |
| 32) Benzoic acid               | 7.59 | 122 | 8697   | 4.58  | ng | # 86   |
| 33) 4-Chloroaniline            | 7.87 | 127 | 62367  | 16.67 | ng | # 93   |
| 34) Hexachlorobutadiene        | 7.93 | 225 | 64673  | 39.84 | ng | 100    |
| 35) Caprolactam                | 8.26 | 113 | 20519  | 27.37 | ng | 92     |
| 36) 4-Chloro-3-methylphenol    | 8.38 | 107 | 139571 | 47.28 | ng | 95     |
| 37) 2-Methylnaphthalene        | 8.50 | 142 | 282487 | 47.70 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.67 | 216 | 116512 | 36.74 | ng | 100    |
| 40) Hexachlorocyclopentadiene  | 8.66 | 237 | 79264  | 86.84 | ng | 98     |

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 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

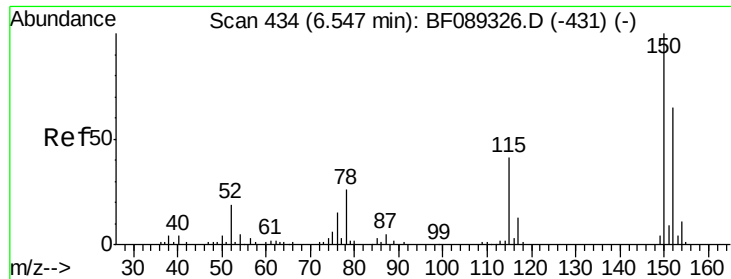
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 01 01:07:44 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 42) 2,4,6-Trichlorophenol      | 8.79  | 196  | 77649    | 51.51  | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 8.83  | 196  | 95255    | 49.88  | nq    | # 88     |
| 45) 1,1'-Biphenyl              | 8.97  | 154  | 330465   | 42.83  | nq    | 96       |
| 46) 2-Chloronaphthalene        | 8.99  | 162  | 266967   | 46.08  | nq    | 91       |
| 47) 2-Nitroaniline             | 9.10  | 65   | 88145    | 51.37  | nq    | 86       |
| 48) Acenaphthylene             | 9.39  | 152  | 410482   | 44.98  | nq    | 99       |
| 49) Dimethylphthalate          | 9.29  | 163  | 543071   | 78.75  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.35  | 165  | 71592    | 50.53  | nq    | # 82     |
| 51) Acenaphthene               | 9.56  | 154  | 237396   | 44.54  | nq    | 99       |
| 52) 3-Nitroaniline             | 9.51  | 138  | 44719    | 29.91  | nq    | 84       |
| 53) 2,4-Dinitrophenol          | 9.63  | 184  | 30629    | 56.03  | nq    | 89       |
| 54) Dibenzofuran               | 9.74  | 168  | 353550   | 48.68  | nq    | 95       |
| 55) 4-Nitrophenol              | 9.74  | 139  | 239156   | 309.20 | nq    | # 10     |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 90703    | 48.62  | nq    | # 78     |
| 57) Fluorene                   | 10.08 | 166  | 288700   | 45.54  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.87  | 232  | 63166    | 49.54  | nq    | # 94     |
| 59) Diethylphthalate           | 9.98  | 149  | 331616   | 47.43  | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.08 | 204  | 134821   | 46.36  | nq    | 91       |
| 61) 4-Nitroaniline             | 10.12 | 138  | 63701    | 41.33  | nq    | 94       |
| 62) Azobenzene                 | 10.24 | 77   | 368120   | 51.13  | nq    | 89       |
| 64) 4,6-Dinitro-2-methylphenol | 10.16 | 198  | 36254    | 36.35  | nq    | 89       |
| 65) n-Nitrosodiphenylamine     | 10.20 | 169  | 265695   | 49.88  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.56 | 248  | 74758    | 45.87  | nq    | # 81     |
| 67) Hexachlorobenzene          | 10.63 | 284  | 77417    | 46.35  | nq    | # 69     |
| 68) Atrazine                   | 10.74 | 200  | 77886    | 47.60  | nq    | 95       |
| 69) Pentachlorophenol          | 10.82 | 266  | 63542    | 78.64  | nq    | 99       |
| 70) Phenanthrene               | 11.03 | 178  | 395667   | 44.94  | nq    | 100      |
| 71) Anthracene                 | 11.08 | 178  | 435940   | 44.54  | nq    | 99       |
| 72) Carbazole                  | 11.24 | 167  | 383700   | 46.57  | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.59 | 149  | 483003   | 43.69  | nq    | # 98     |
| 74) Fluoranthene               | 12.20 | 202  | 388751   | 41.98  | nq    | 97       |
| 76) Benzidine                  | 12.34 | 184  | 82276    | 22.97  | nq    | 97       |
| 77) Pyrene                     | 12.43 | 202  | 378324   | 51.49  | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.06 | 149  | 152618   | 45.69  | nq    | 91       |
| 80) Benzo(a)anthracene         | 13.61 | 228  | 248550   | 45.43  | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.59 | 252  | 57192    | 29.05  | nq    | 98       |
| 82) Chrysene                   | 13.65 | 228  | 241091   | 41.40  | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 13.63 | 149  | 199241   | 41.26  | nq    | # 95     |
| 84) Di-n-octyl phthalate       | 14.24 | 149  | 323445   | 42.93  | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.14 | 276  | 260853   | 63.00  | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 14.61 | 252  | 432823   | 83.46  | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 14.61 | 252  | 433358   | 90.89  | nq    | 99       |
| 89) Benzo(a)pyrene             | 14.90 | 252  | 214848   | 46.18  | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.14 | 278  | 215928   | 58.92  | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 16.48 | 276  | 222096   | 61.65  | nq    | 99       |
| -----                          |       |      |          |        |       |          |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

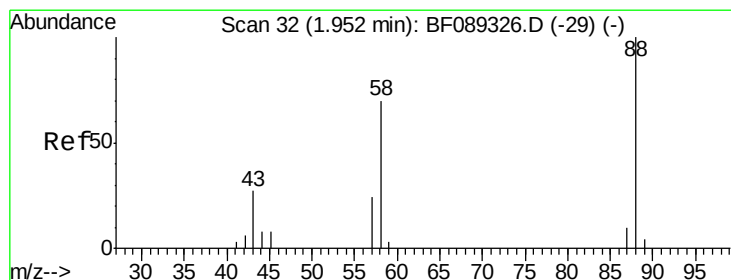
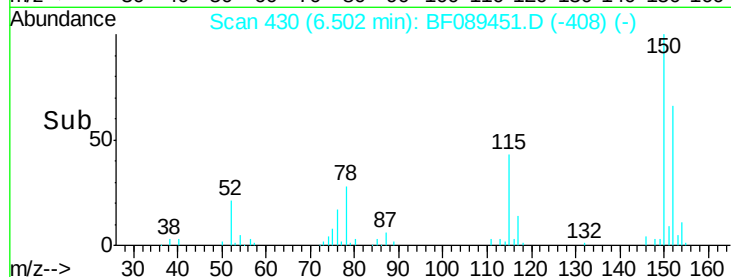
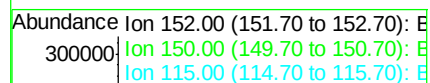
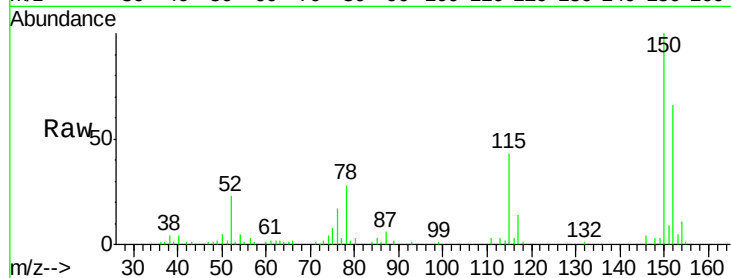
Tot Ion:152 Resp: 48100

Ion Ratio Lower Upper

152 100

150 151.4 129.5 194.3

115 65.5 51.4 77.2



#2

1,4-Dioxane

Concen: 36.38 ng

RT: 1.95 min Scan# 32

Delta R.T. 0.00 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

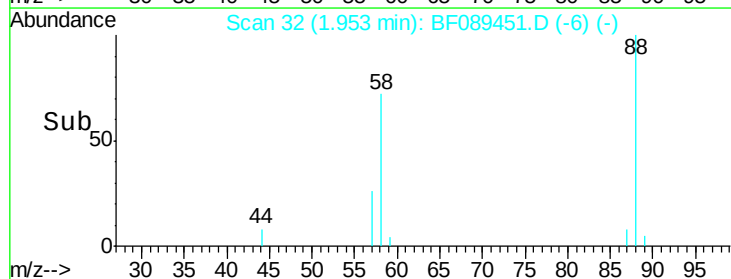
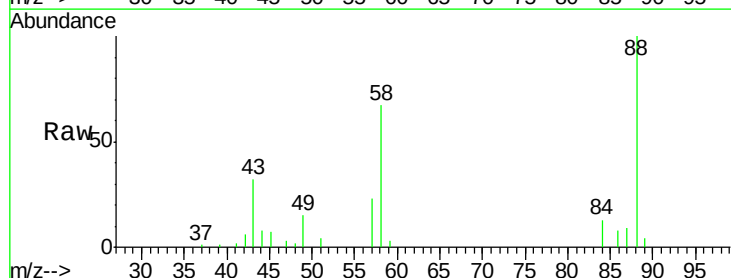
Tgt Ion: 88 Resp: 50094

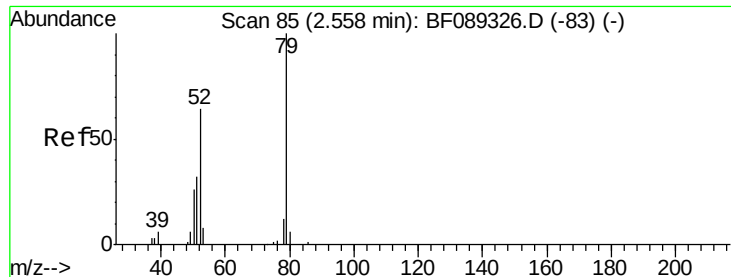
Ion Ratio Lower Upper

88 100

58 70.0 53.2 79.8

43 37.5 20.6 31.0#





#3

Pvridine

Concen: 46.70 ng

RT: 2.54 min Scan# 83

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

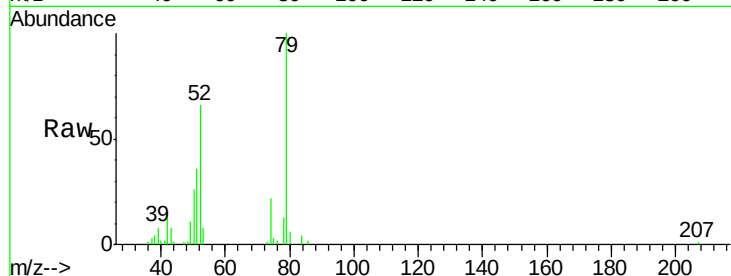
Tot Ion: 79 Resp: 137630

Ion Ratio Lower Upper

79 100

52 66.2 51.9 77.9

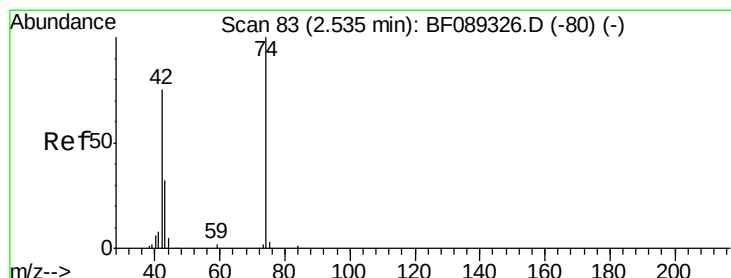
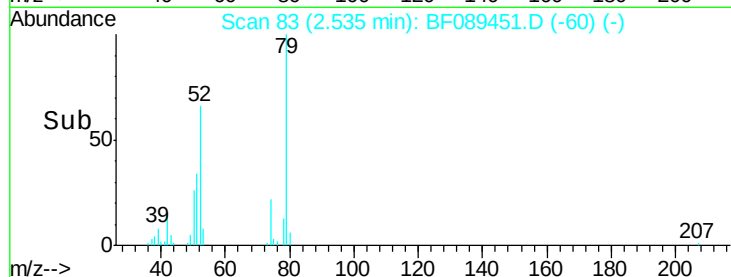
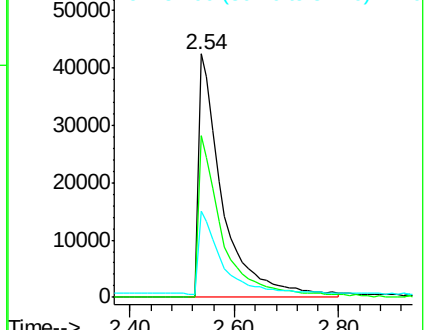
51 35.6 28.2 42.4



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: 48.22 ng

RT: 2.51 min Scan# 81

Delta R.T. -0.02 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

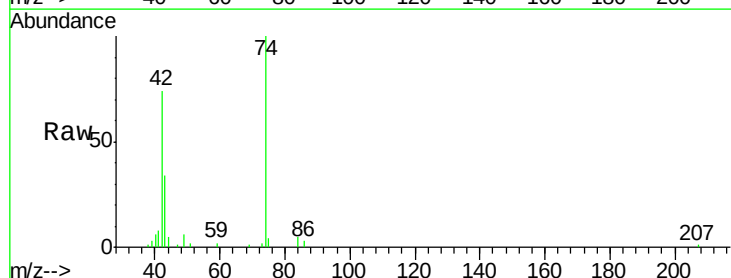
Tgt Ion: 42 Resp: 58564

Ion Ratio Lower Upper

42 100

74 134.9 110.8 166.2

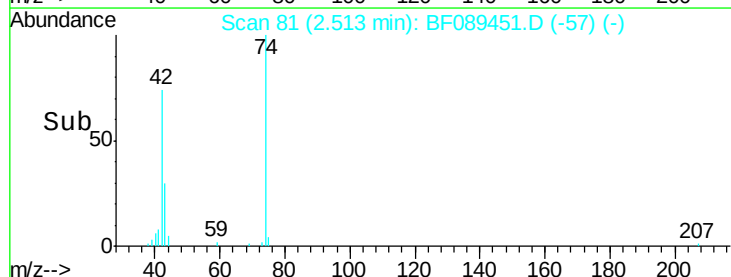
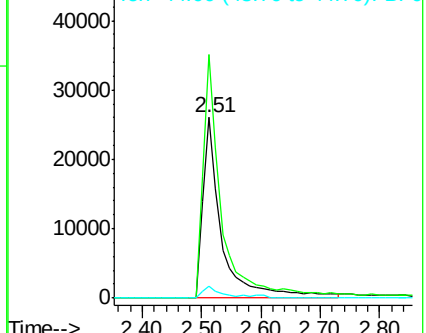
44 6.5 5.2 7.8

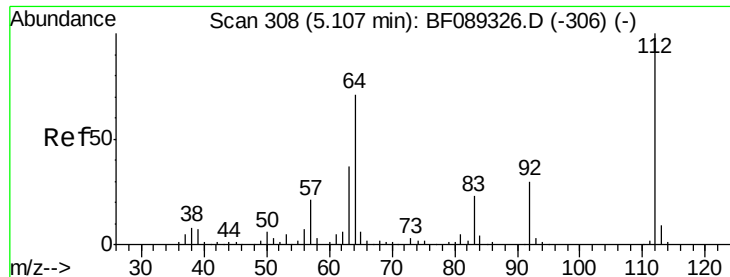


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 135.37 ng

RT: 5.08 min Scan# 306

Delta R.T. -0.02 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampled :

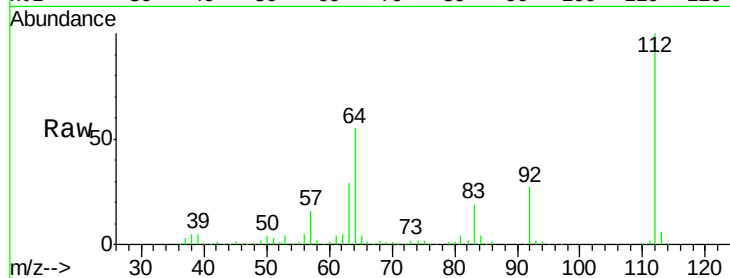
Tot Ion:112 Resp: 407806

Ion Ratio Lower Upper

112 100

64 54.6 55.0 82.6#

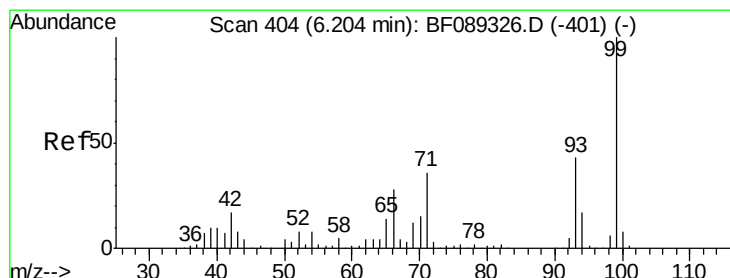
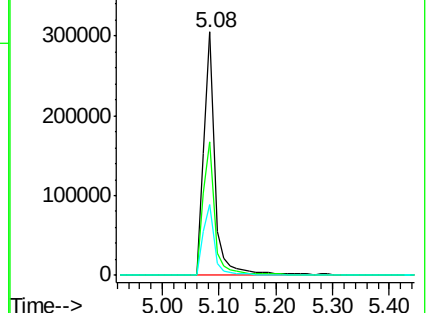
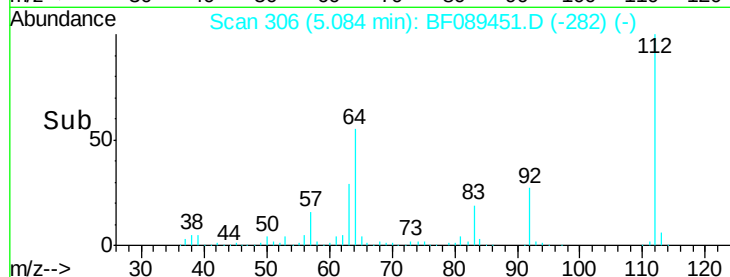
63 29.1 29.4 44.2#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 33.32 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

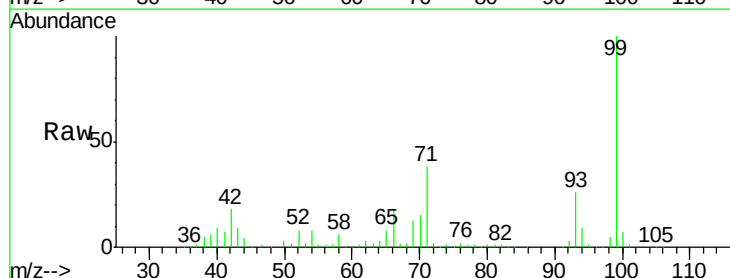
Tgt Ion: 93 Resp: 143252

Ion Ratio Lower Upper

93 100

66 70.2 51.6 77.4

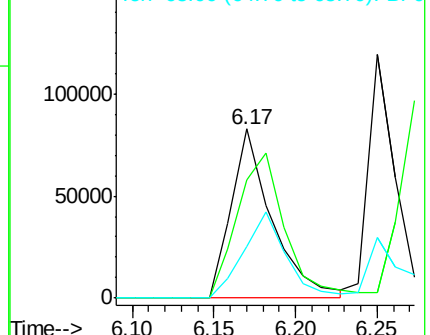
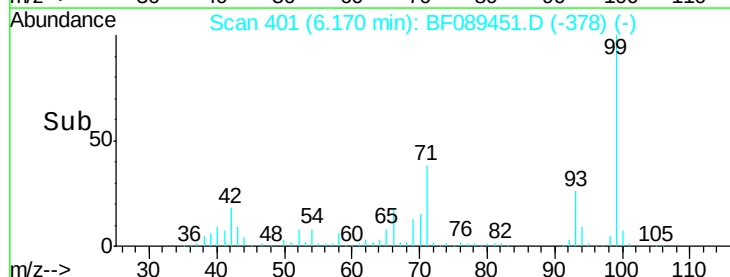
65 30.5 24.7 37.1

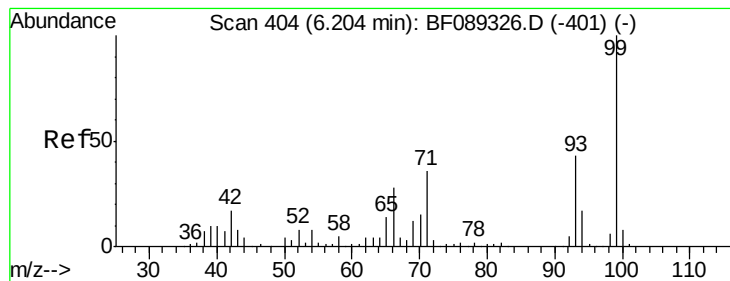


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 124.14 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

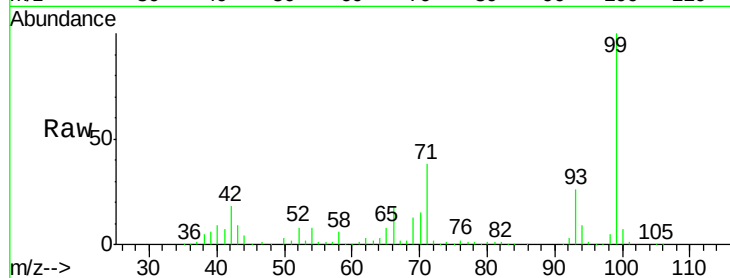
Tot Ion: 99 Resp: 494207

Ion Ratio Lower Upper

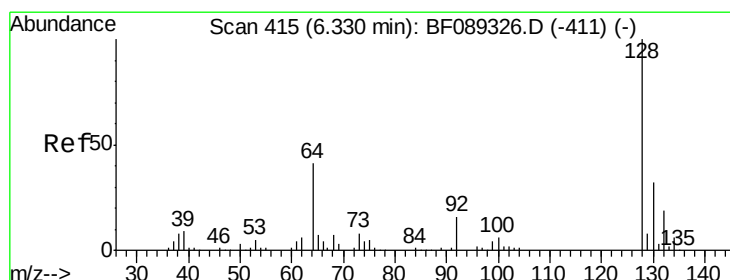
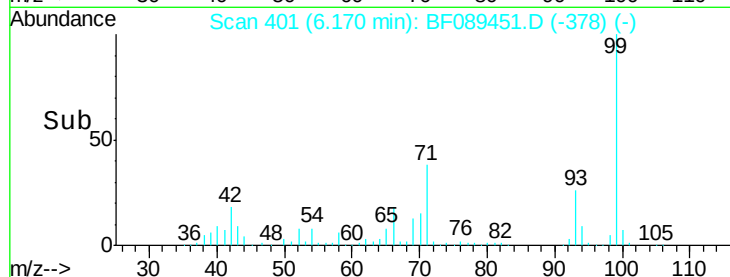
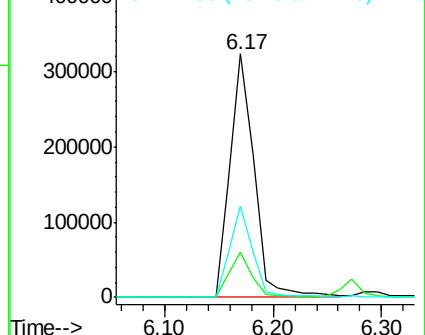
99 100

42 18.5 13.6 20.4

71 37.6 29.4 44.2



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: 44.83 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

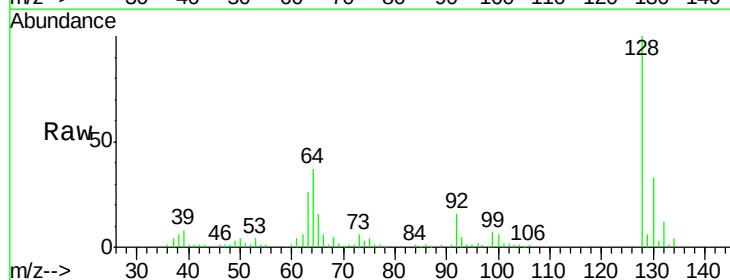
Tgt Ion: 128 Resp: 152744

Ion Ratio Lower Upper

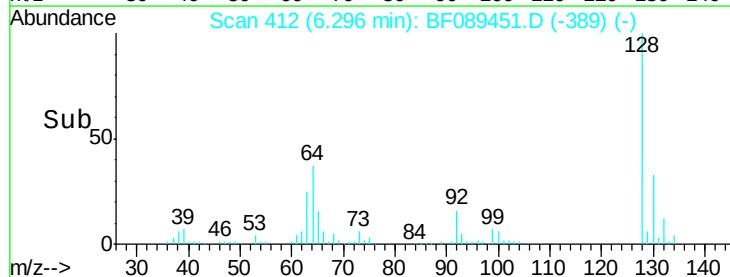
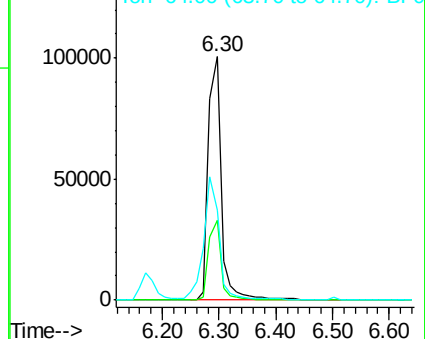
128 100

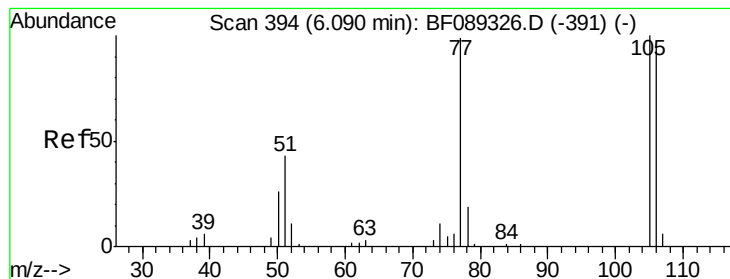
130 32.7 12.6 52.6

64 36.9 22.1 62.1



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: 46.16 ng

RT: 6.04 min Scan# 390

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampled :

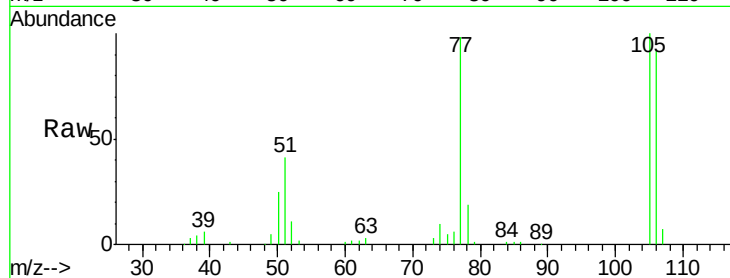
Tot Ion: 77 Resp: 89726

Ion Ratio Lower Upper

77 100

105 102.4 82.9 122.9

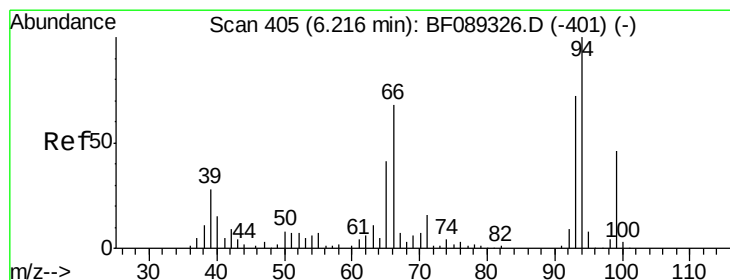
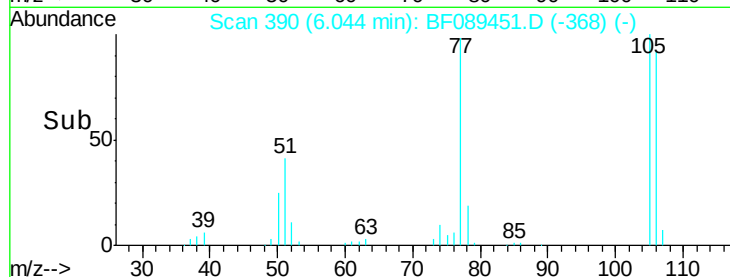
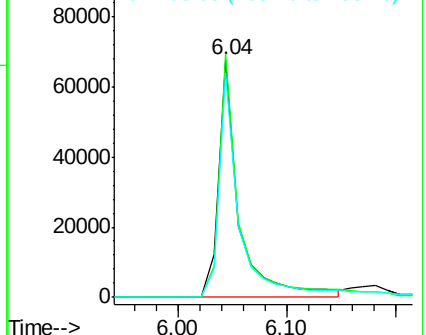
106 94.5 75.9 115.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 42.75 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

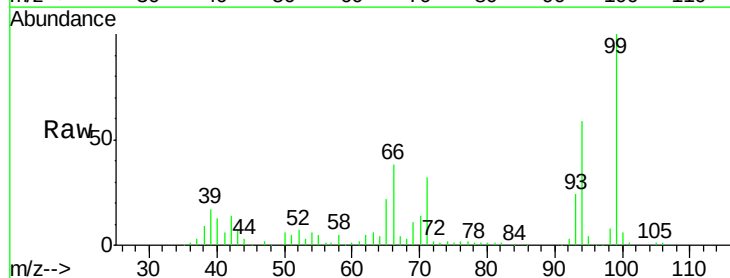
Tgt Ion: 94 Resp: 187815

Ion Ratio Lower Upper

94 100

65 38.1 19.1 59.1

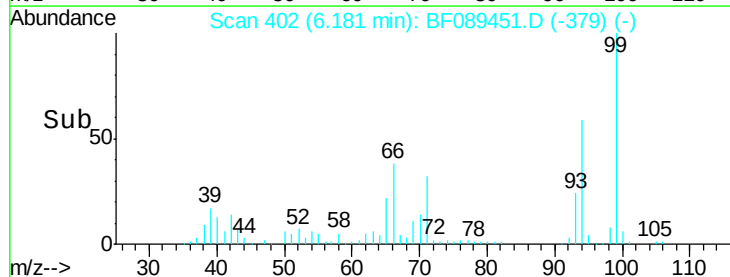
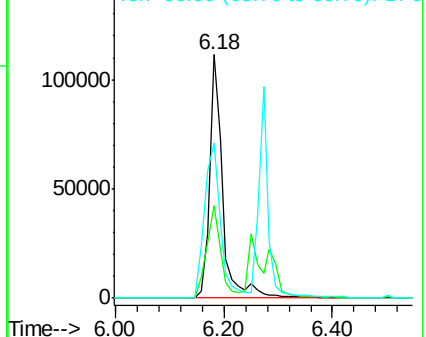
66 64.0 44.4 84.4



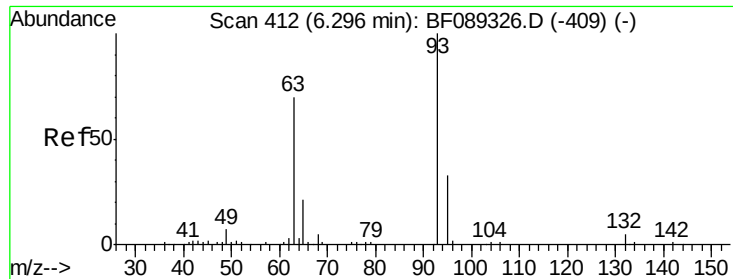
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



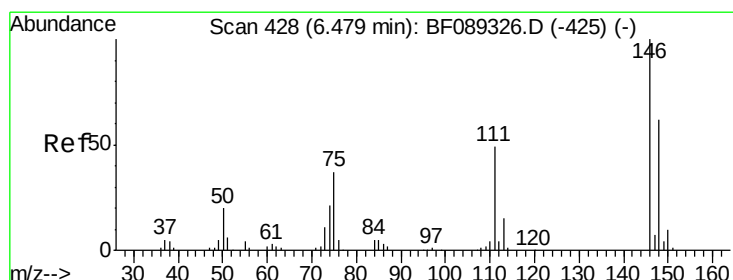
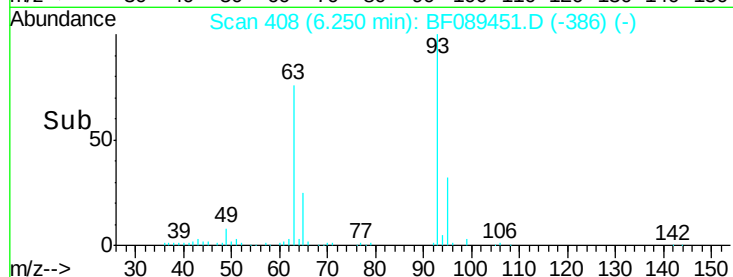
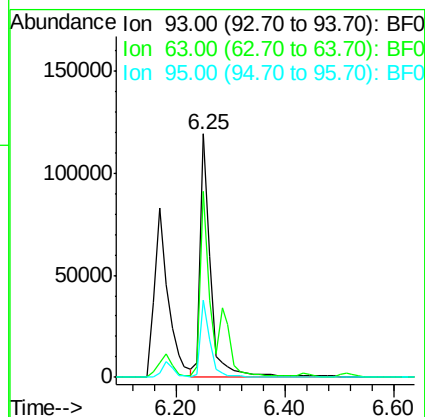
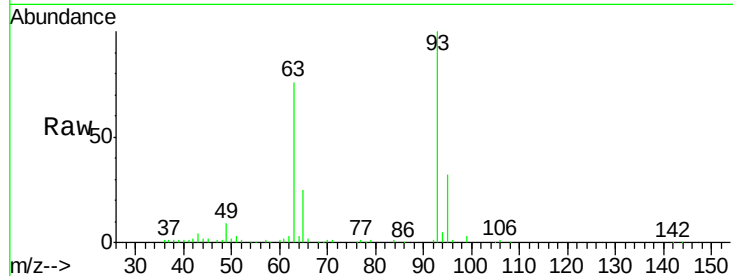




#11  
bis(2-Chloroethyl)ether  
Concen: 40.92 ng  
RT: 6.25 min Scan# 408  
Delta R.T. -0.05 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

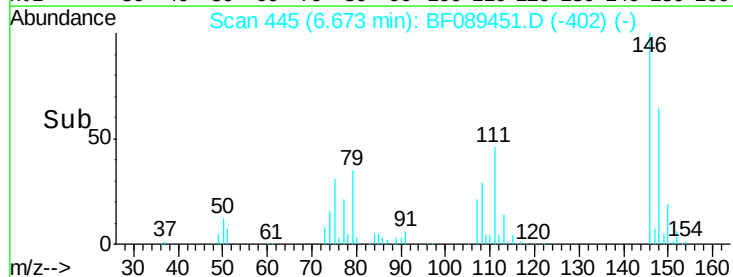
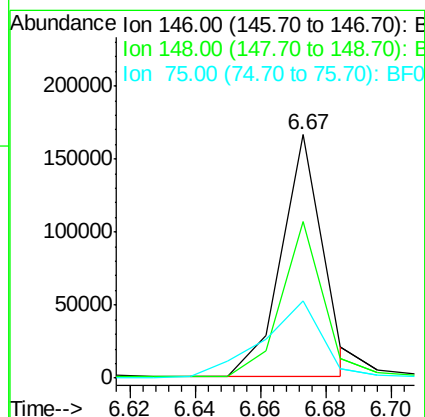
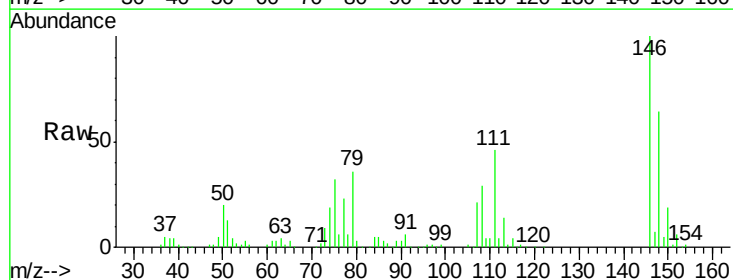
Instrument :  
BNA\_F  
ClientSampled :

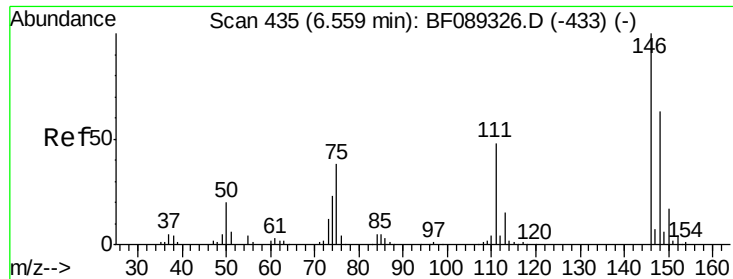
Tot Ion: 93 Resp: 152735  
Ion Ratio Lower Upper  
93 100  
63 76.1 45.6 85.6  
95 31.5 11.1 51.1



#12  
1,3-Dichlorobenzene  
Concen: 40.88 ng  
RT: 6.67 min Scan# 445  
Delta R.T. 0.19 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Tgt Ion: 146 Resp: 145723  
Ion Ratio Lower Upper  
146 100  
148 64.3 50.5 75.7  
75 31.8 30.0 45.0

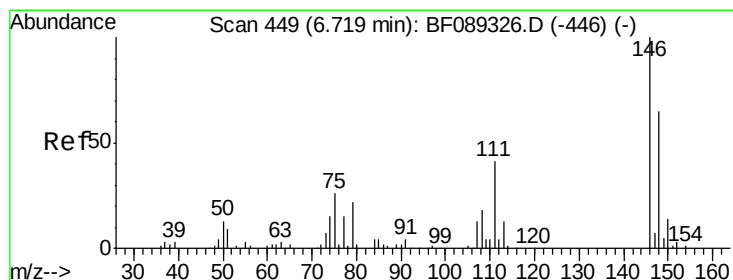
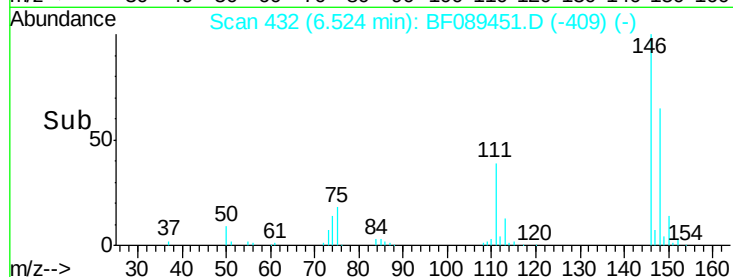
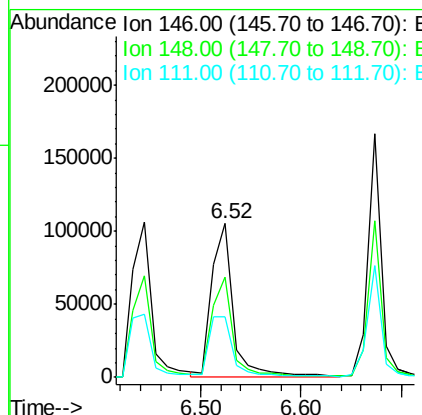
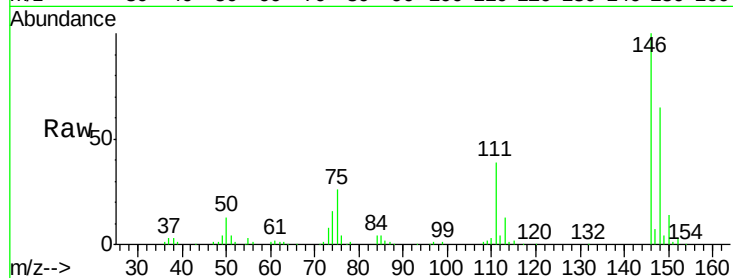




#13  
 1,4-Dichlorobenzene  
 Concen: 40.12 ng  
 RT: 6.52 min Scan# 432  
 Delta R.T. -0.03 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

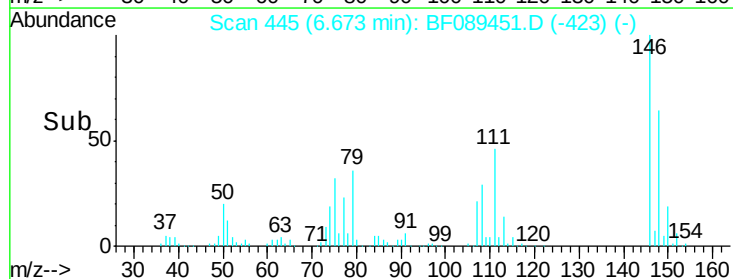
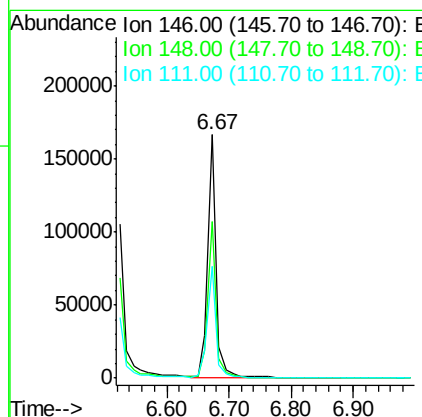
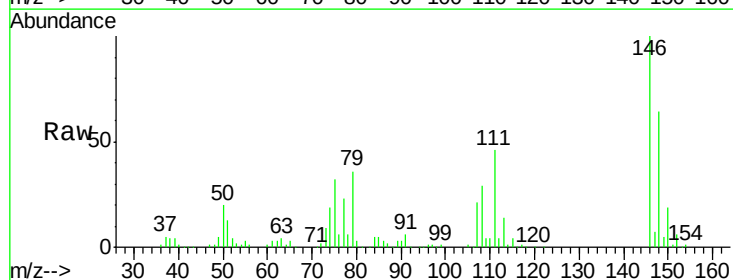
Instrument :  
 BNA\_F  
 ClientSampled :

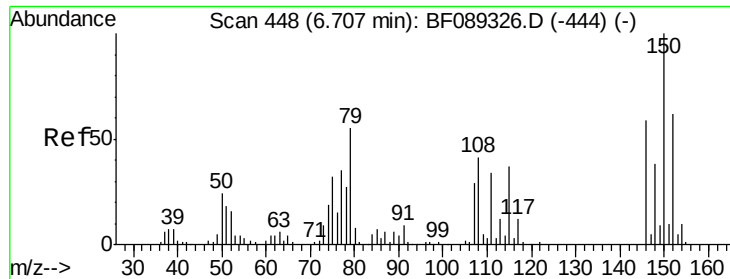
Tot Ion:146 Resp: 157792  
 Ion Ratio Lower Upper  
 146 100  
 148 65.1 50.8 76.2  
 111 39.3 38.6 57.8



#14  
 1,2-Dichlorobenzene  
 Concen: 44.10 ng  
 RT: 6.67 min Scan# 445  
 Delta R.T. -0.05 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Tgt Ion:146 Resp: 162499  
 Ion Ratio Lower Upper  
 146 100  
 148 64.3 50.4 75.6  
 111 45.7 33.0 49.4





#15

Benzyl Alcohol

Concen: 52.65 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

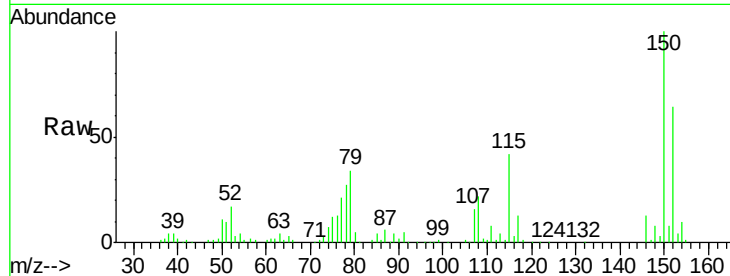
Tot Ion: 79 Resp: 130076

Ion Ratio Lower Upper

79 100

108 66.6 59.8 89.6

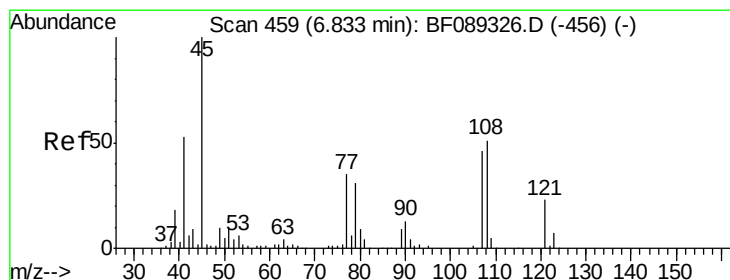
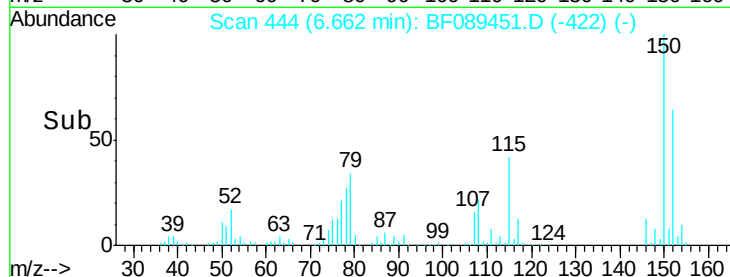
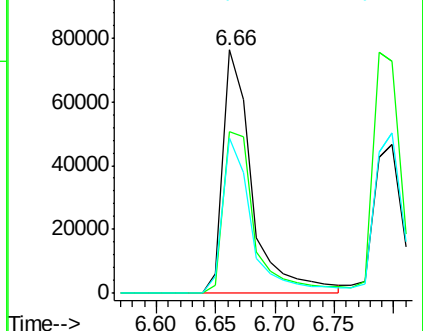
77 63.7 51.7 77.5



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: 40.98 ng

RT: 6.80 min Scan# 456

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

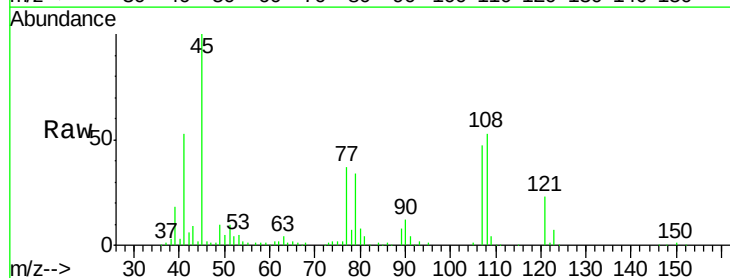
Tgt Ion: 45 Resp: 166826

Ion Ratio Lower Upper

45 100

77 36.6 17.3 57.3

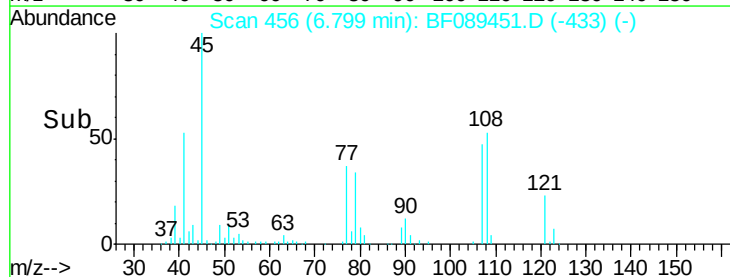
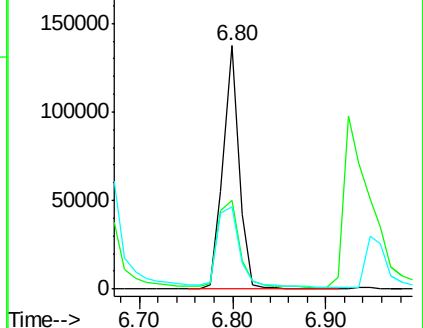
79 33.9 13.9 53.9

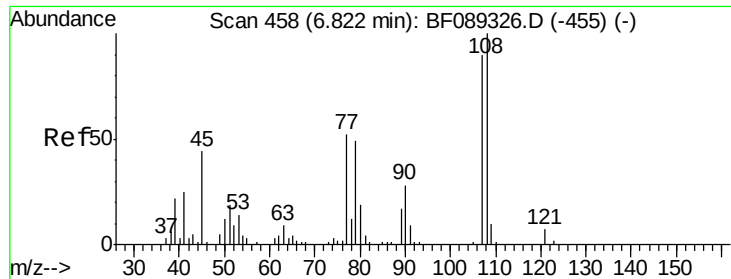


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 42.06 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:107 Resp: 110761

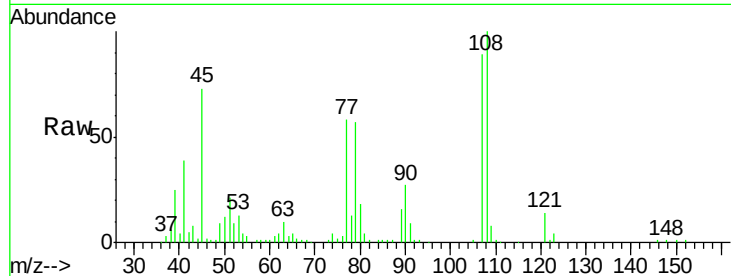
Ion Ratio Lower Upper

107 100

108 112.4 91.4 137.0

77 65.6 48.6 73.0

79 63.6 48.2 72.4

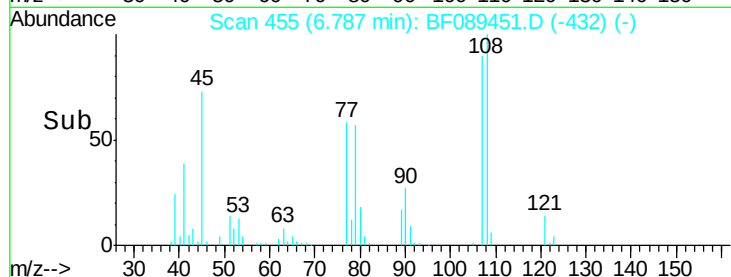


Abundance Ion 107.00 (106.70 to 107.70): E

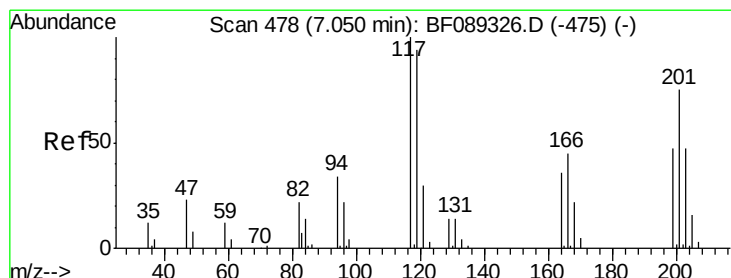
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#18

Hexachloroethane

Concen: 40.54 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

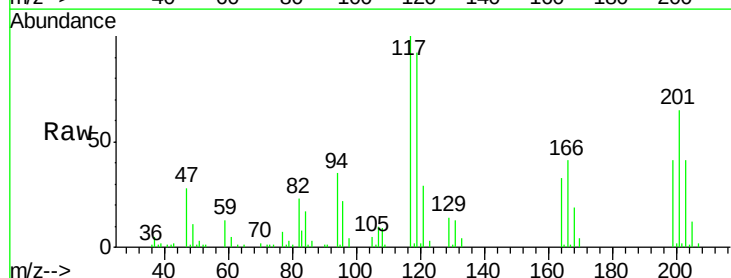
Tgt Ion:117 Resp: 61140

Ion Ratio Lower Upper

117 100

119 91.6 76.0 114.0

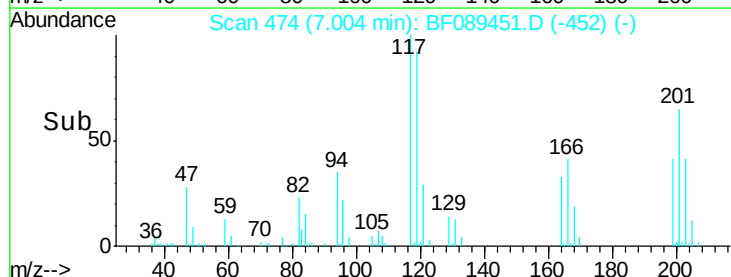
201 64.8 60.0 90.0



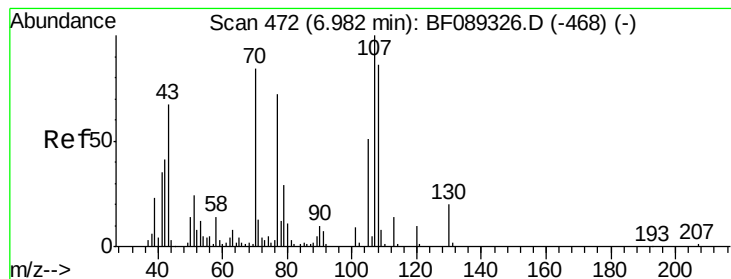
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 46.65 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 111998

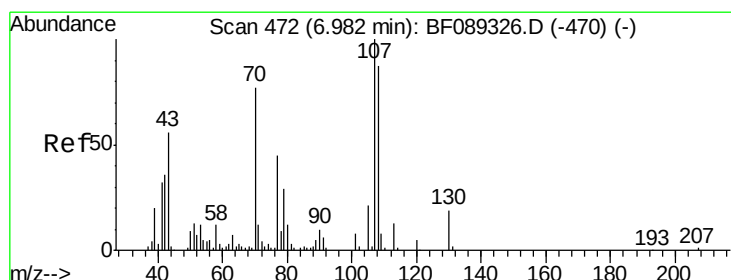
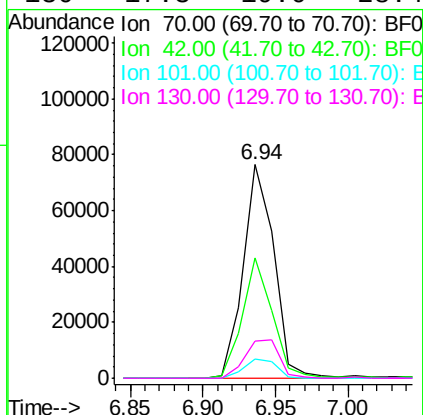
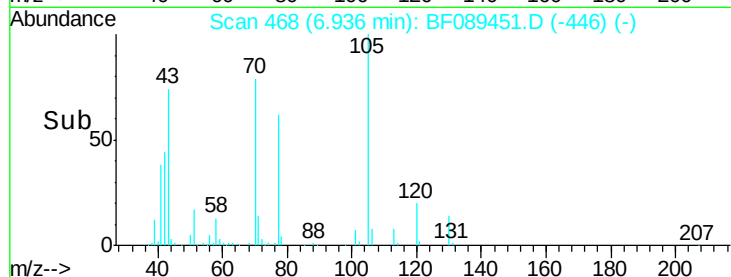
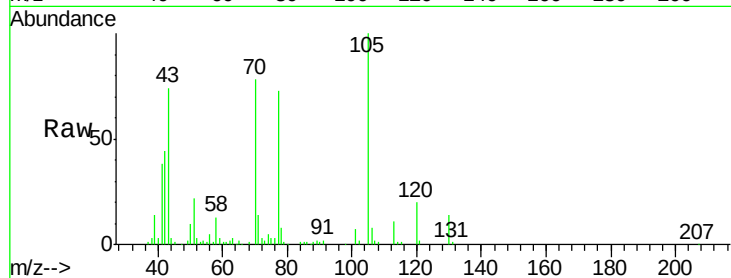
Ion Ratio Lower Upper

70 100

42 56.3 38.6 57.8

101 9.0 8.3 12.5

130 17.3 19.0 28.4#



#20

3+4-Methylphenols

Concen: 46.54 ng

RT: 6.95 min Scan# 469

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Tgt Ion: 107 Resp: 157401

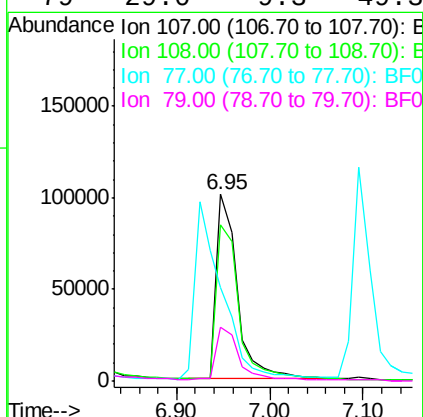
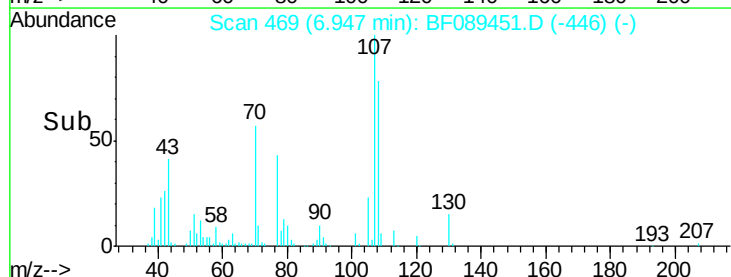
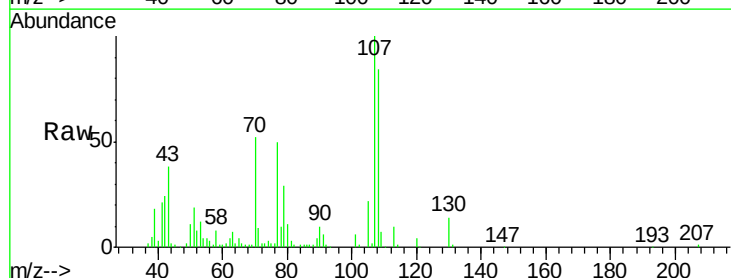
Ion Ratio Lower Upper

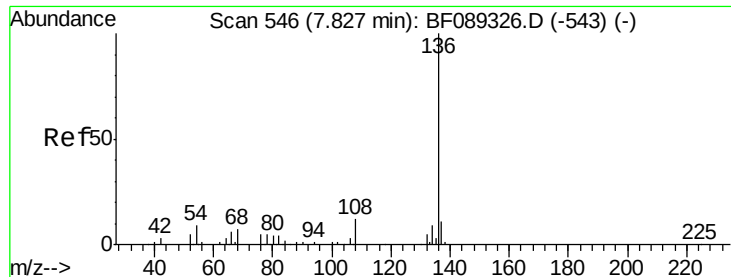
107 100

108 84.0 63.3 103.3

77 50.0 51.1 91.1#

79 29.0 9.3 49.3

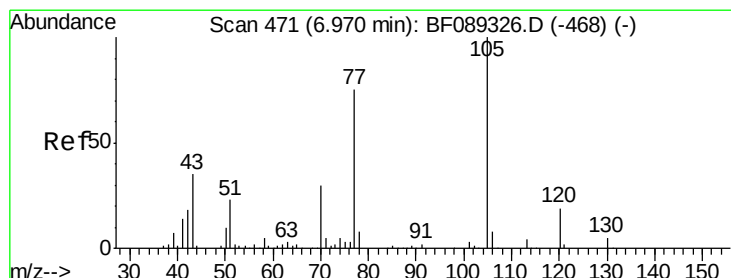
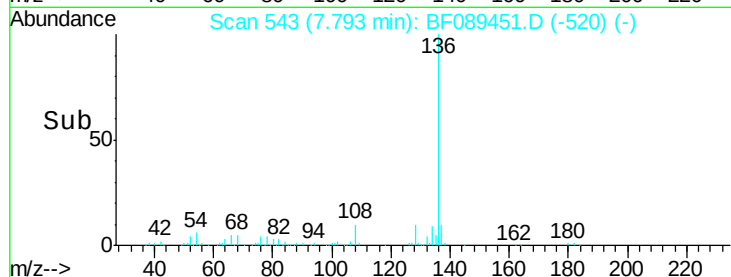
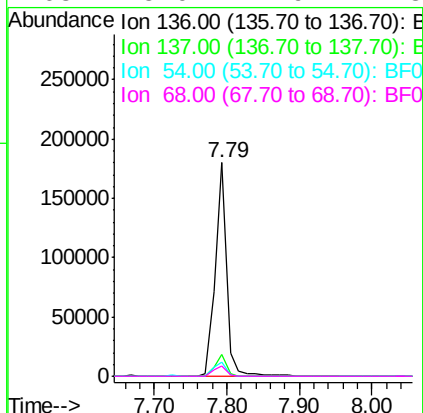
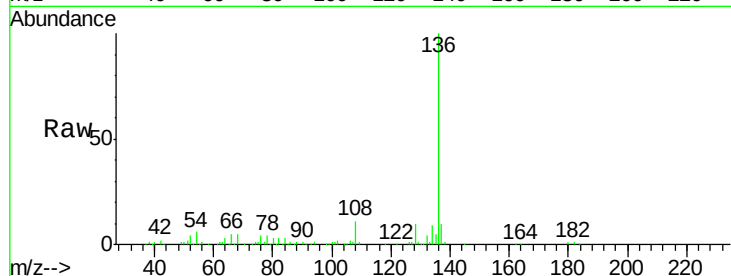




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.79 min Scan# 543  
Delta R.T. -0.03 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

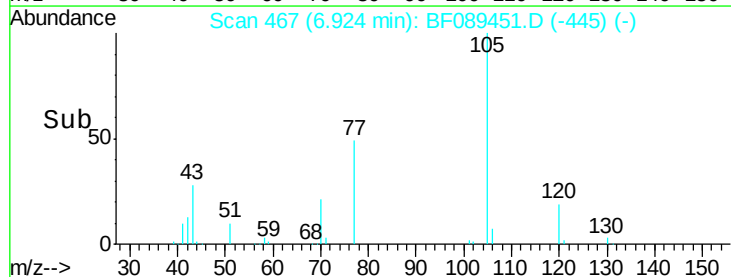
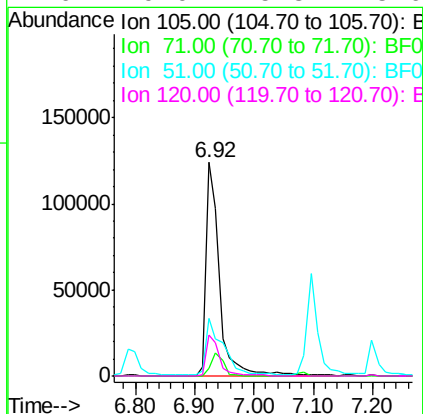
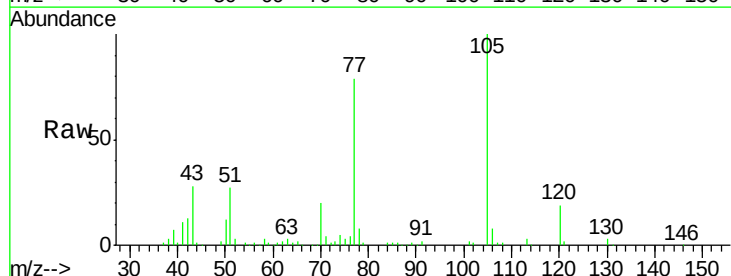
Instrument :  
BNA\_F  
ClientSampleId :

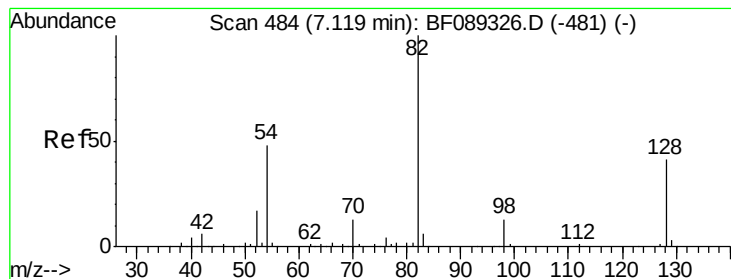
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 198485    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 10.5  | 8.6 13.0  |
| 54          | 6.4   | 7.0 10.4# |
| 68          | 5.0   | 4.9 7.3   |



#22  
Acetophenone  
Concen: 42.14 ng  
RT: 6.92 min Scan# 467  
Delta R.T. -0.05 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 199113    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 3.7   | 4.2 6.2#  |
| 51          | 26.8  | 18.7 28.1 |
| 120         | 19.0  | 15.8 23.6 |





#23

Nitrobenzene-d5

Concen: 99.12 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

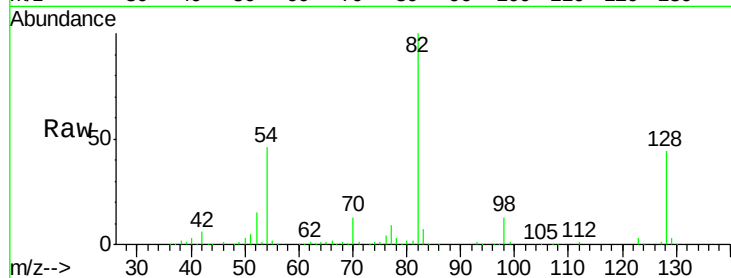
Tot Ion: 82 Resp: 333322

Ion Ratio Lower Upper

82 100

128 44.2 32.5 48.7

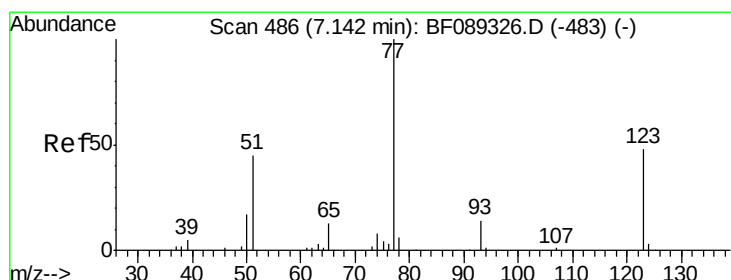
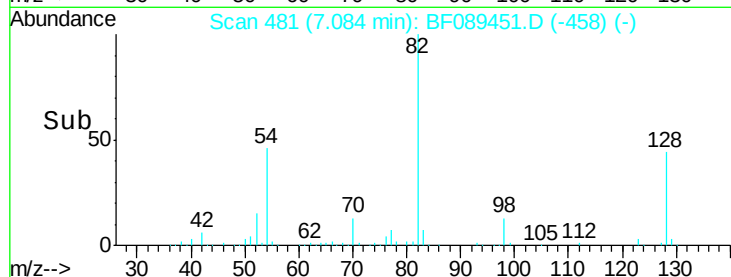
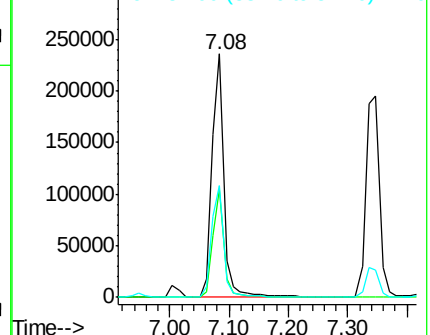
54 45.8 38.8 58.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 40.22 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

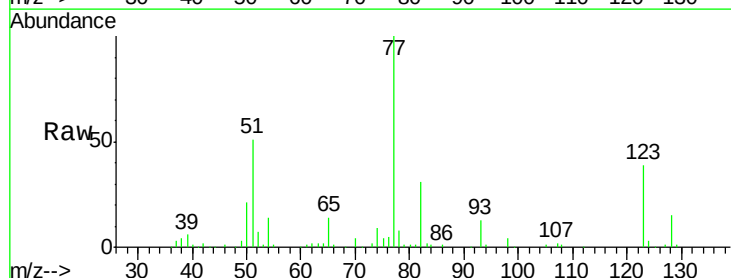
Tgt Ion: 77 Resp: 153940

Ion Ratio Lower Upper

77 100

123 39.0 37.2 55.8

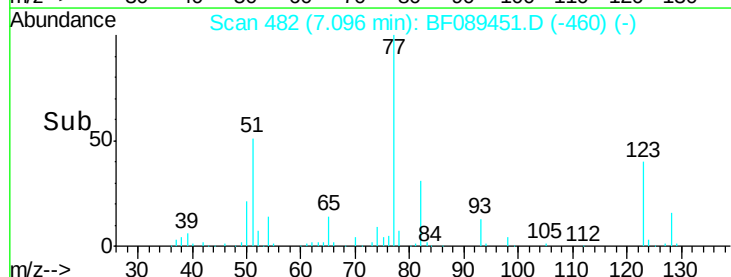
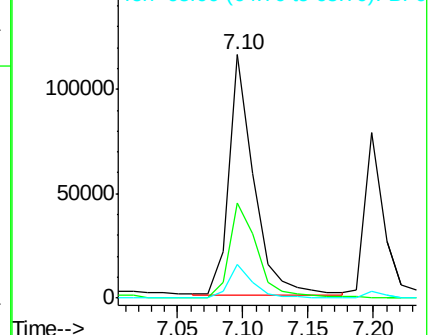
65 13.9 10.2 15.4

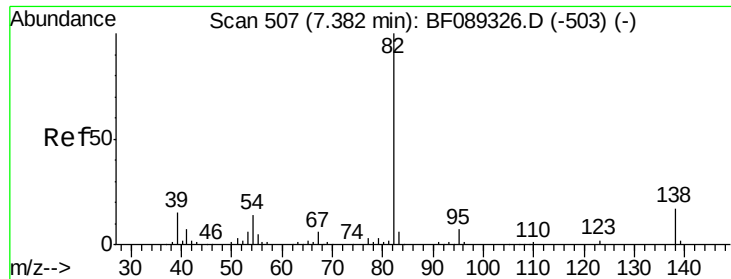


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 45.35 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampled :

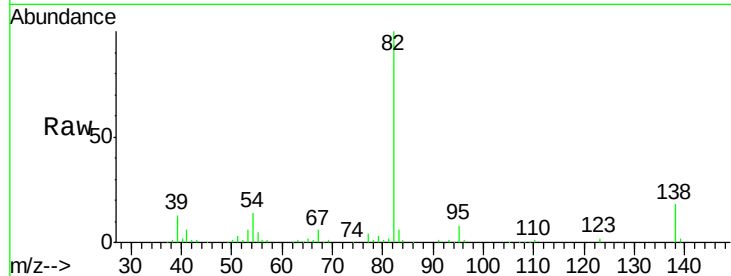
Tot Ion: 82 Resp: 307203

Ion Ratio Lower Upper

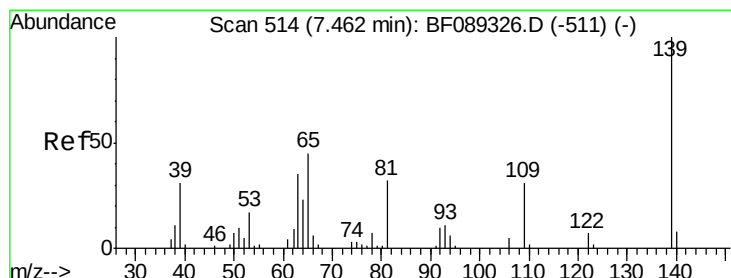
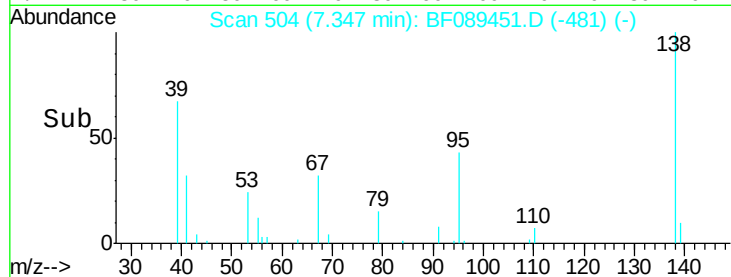
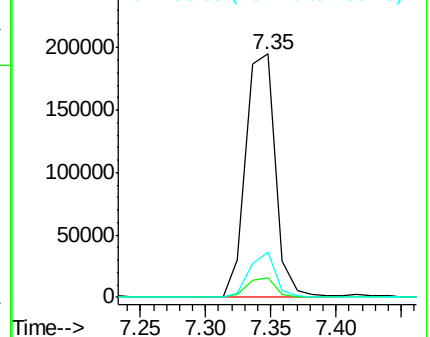
82 100

95 7.9 6.0 9.0

138 18.4 13.3 19.9



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



#26

2-Nitrophenol

Concen: 49.42 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

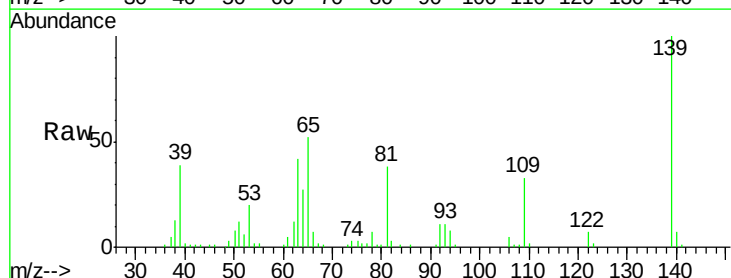
Tgt Ion: 139 Resp: 84564

Ion Ratio Lower Upper

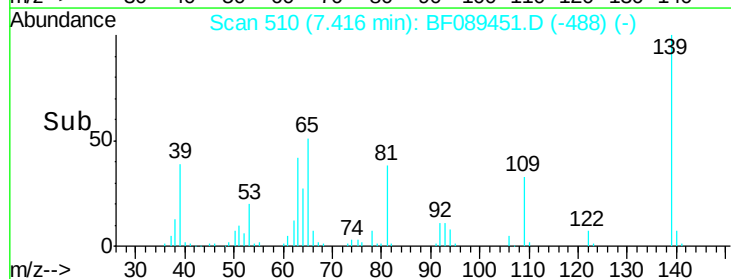
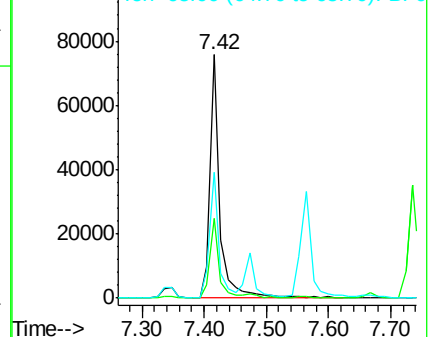
139 100

109 32.6 25.8 38.8

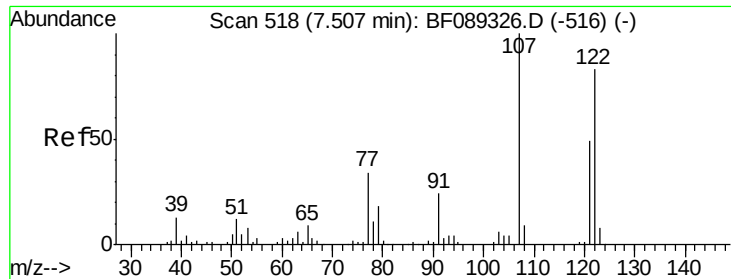
65 51.6 35.2 52.8



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



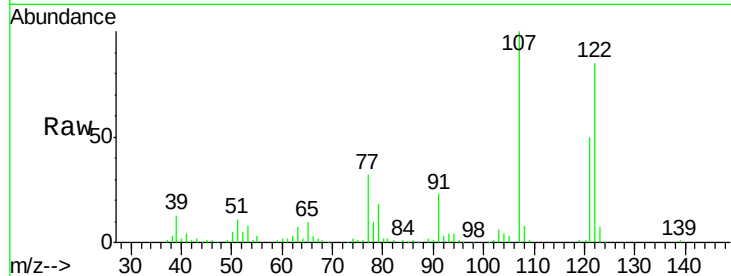




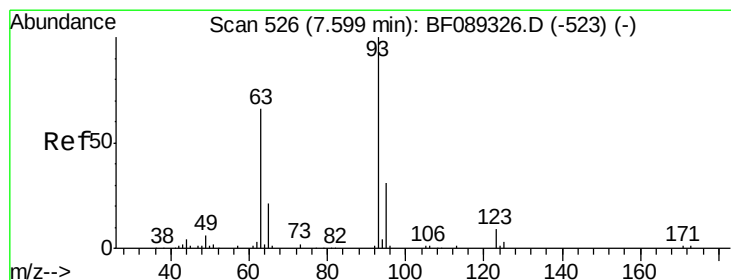
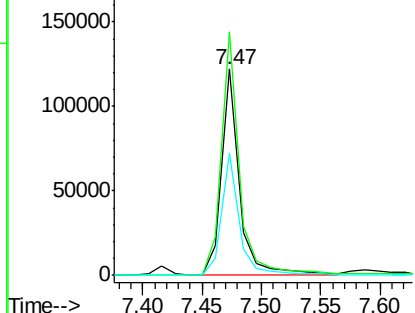
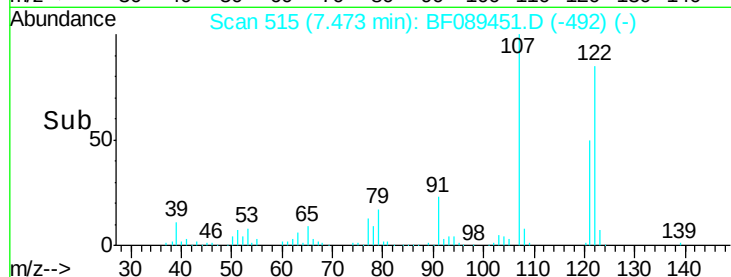
#27  
 2,4-Dimethylphenol  
 Concen: 46.27 ng  
 RT: 7.47 min Scan# 515  
 Delta R.T. -0.03 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 118.2 | 97.2  | 145.8 |
| 121     | 59.0  | 48.8  | 73.2  |

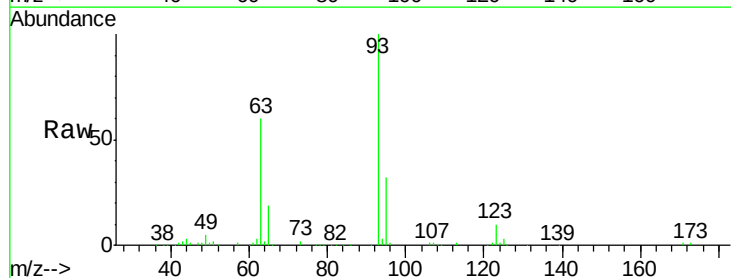


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

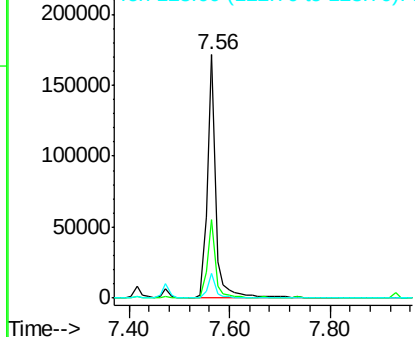
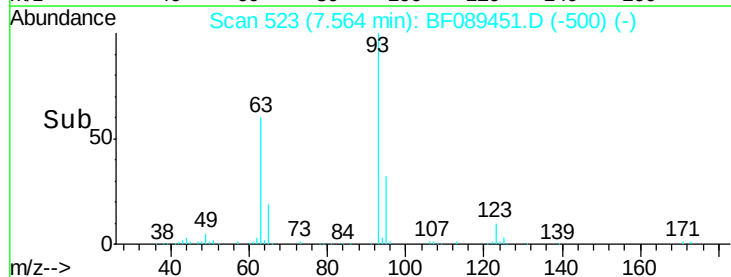


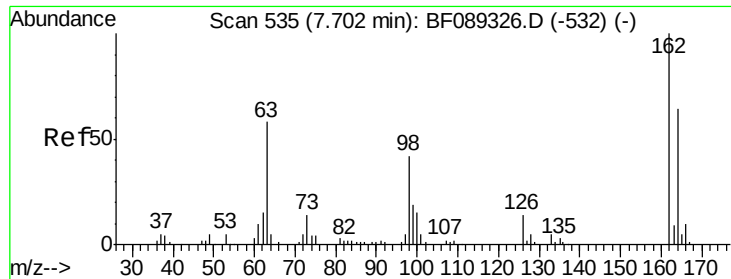
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 53.85 ng  
 RT: 7.56 min Scan# 523  
 Delta R.T. -0.03 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.0  | 24.7  | 37.1  |
| 123     | 10.3  | 7.5   | 11.3  |



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

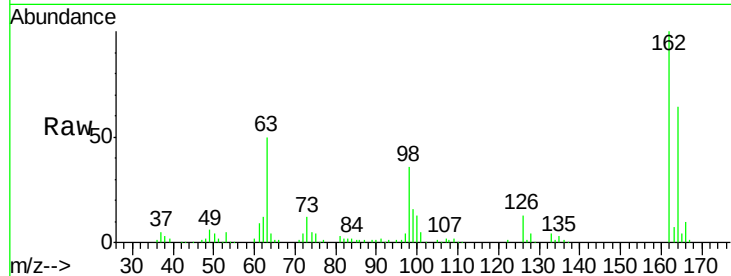




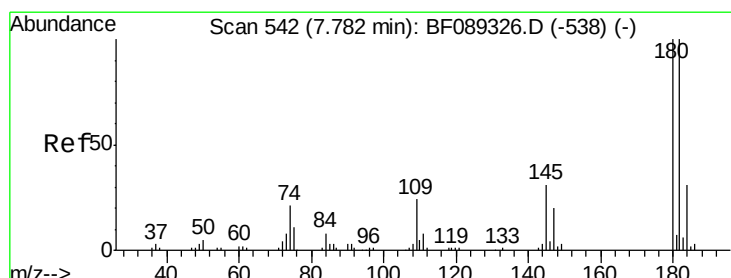
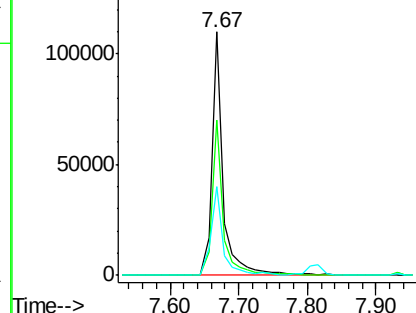
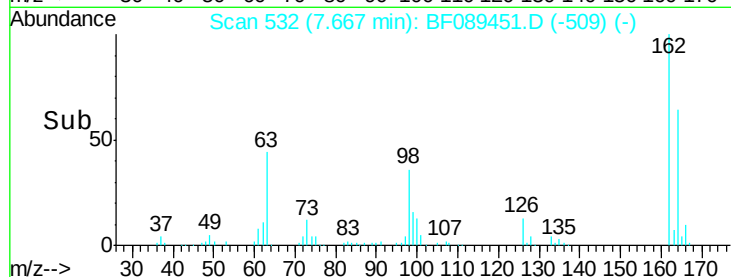
#29  
 2,4-Dichlorophenol  
 Concen: 49.82 ng  
 RT: 7.67 min Scan# 532  
 Delta R.T. -0.03 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.0  | 44.0  | 84.0  |
| 98      | 36.3  | 21.8  | 61.8  |

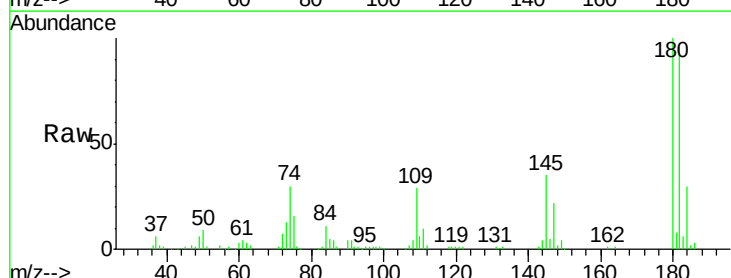


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

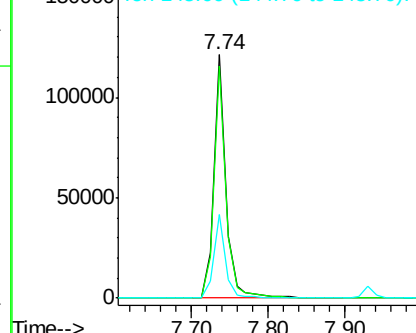
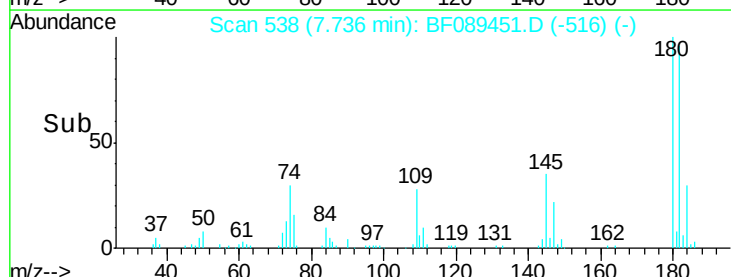


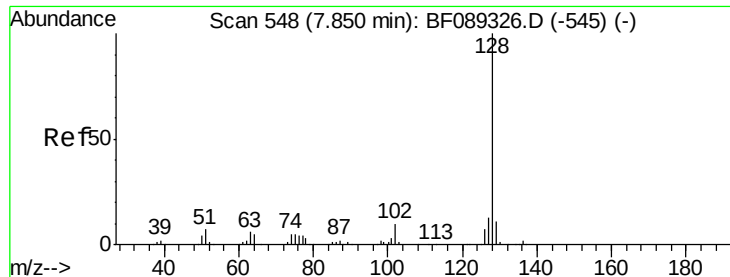
#30  
 1,2,4-Trichlorobenzene  
 Concen: 46.06 ng  
 RT: 7.74 min Scan# 538  
 Delta R.T. -0.05 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.5  | 78.2  | 117.2 |
| 145     | 34.5  | 24.6  | 36.8  |



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

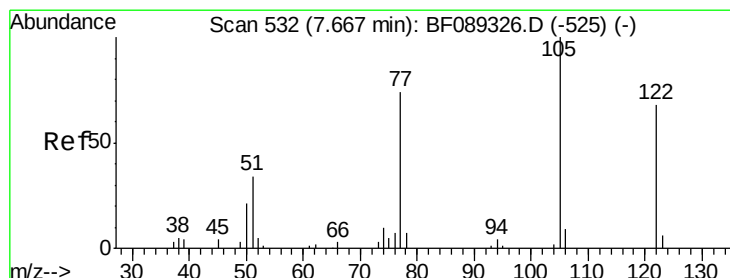
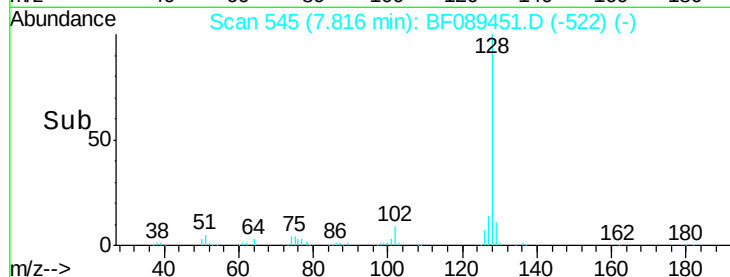
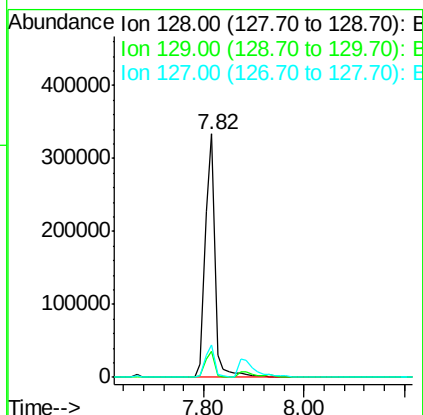
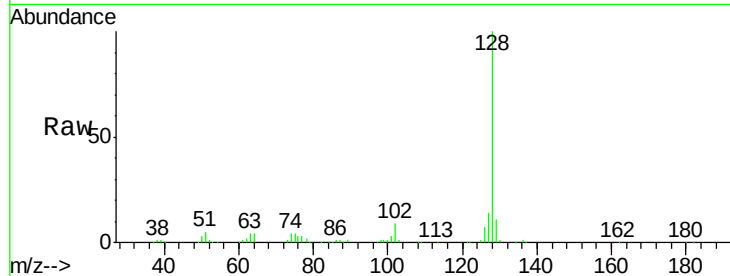




#31  
Naphthalene  
Concen: 46.06 ng  
RT: 7.82 min Scan# 545  
Delta R.T. -0.03 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

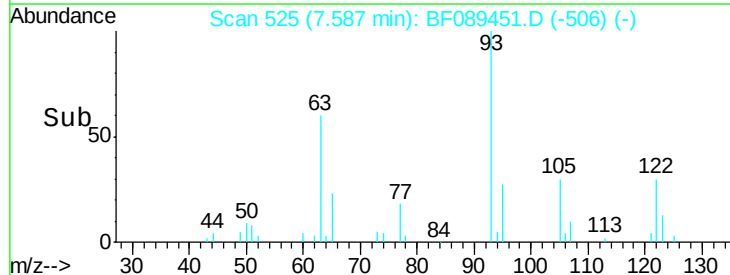
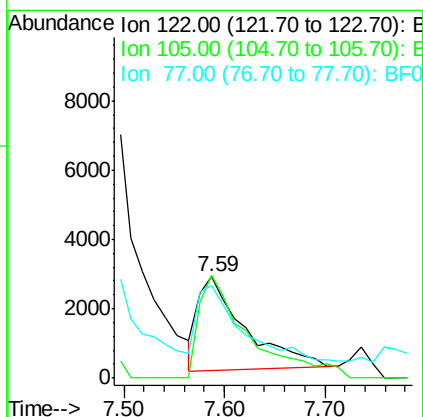
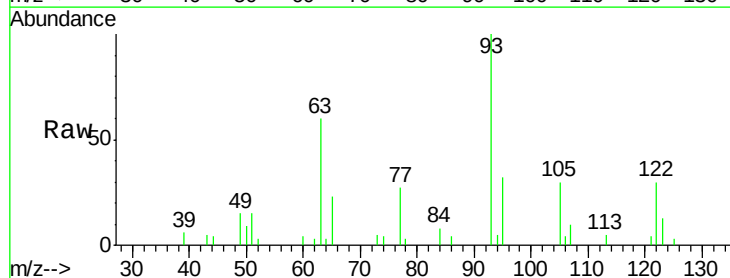
Instrument :  
BNA\_F  
ClientSampleId :

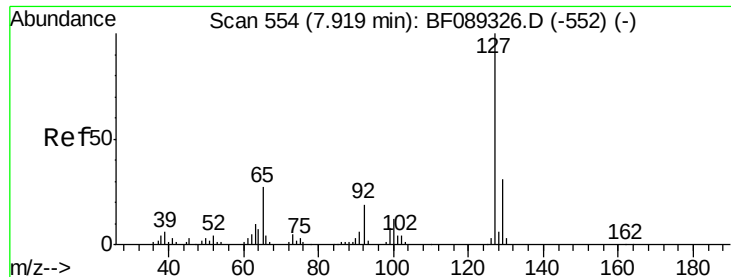
Tot Ion:128 Resp: 452733  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.8 13.2  
127 13.5 10.8 16.2



#32  
Benzoic acid  
Concen: 4.58 ng  
RT: 7.59 min Scan# 525  
Delta R.T. -0.08 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Tgt Ion:122 Resp: 8697  
Ion Ratio Lower Upper  
122 100  
105 101.9 106.4 146.4#  
77 92.1 76.4 116.4

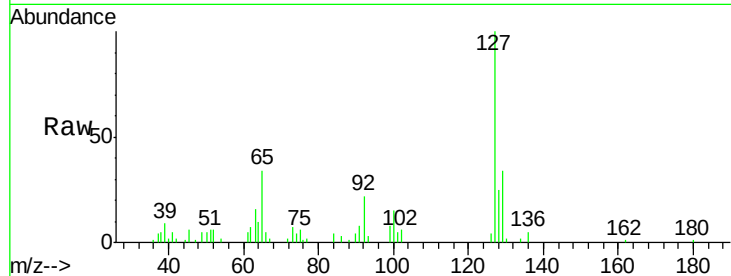




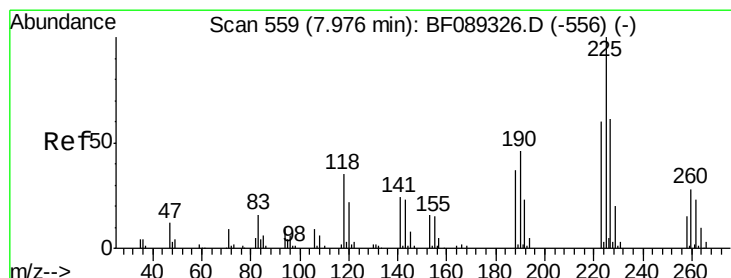
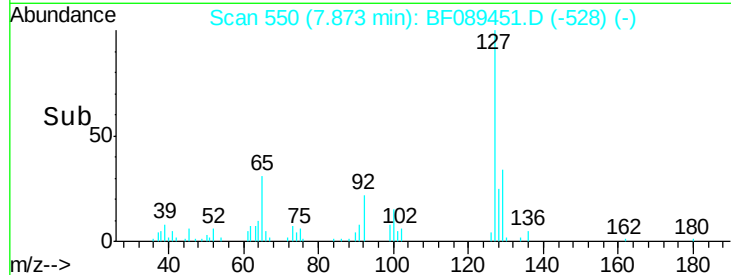
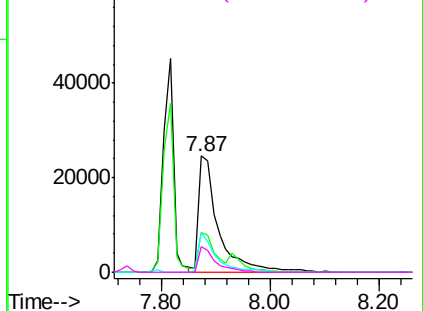
#33  
4-Chloroaniline  
Concen: 16.67 ng  
RT: 7.87 min Scan# 550  
Delta R.T. -0.05 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:127 | Resp: | 62367      |
| Ion Ratio   | Lower | Upper      |
| 127         | 100   |            |
| 129         | 33.7  | 26.1 39.1  |
| 65          | 34.4  | 22.0 33.0# |
| 92          | 21.9  | 15.2 22.8  |

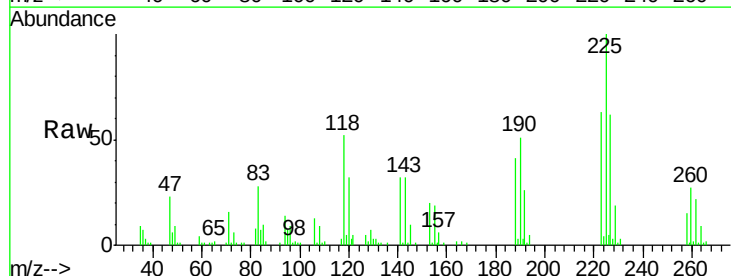


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

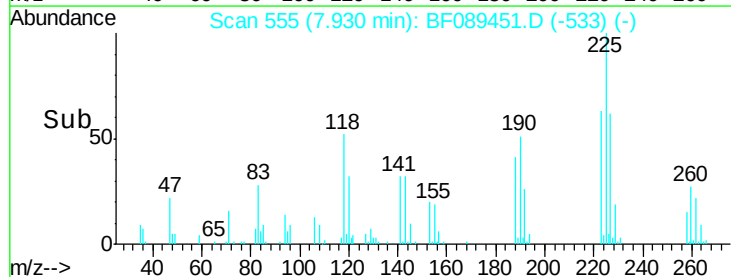
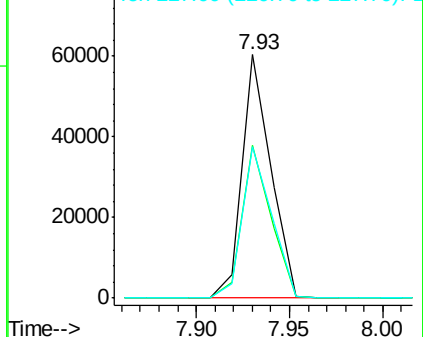


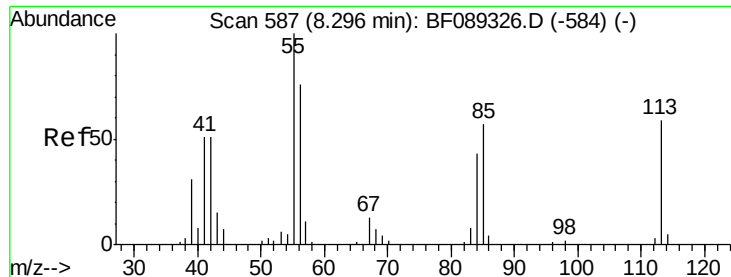
#34  
Hexachlorobutadiene  
Concen: 39.84 ng  
RT: 7.93 min Scan# 555  
Delta R.T. -0.05 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 64673     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 62.5  | 49.8 74.8 |
| 227         | 62.2  | 49.4 74.2 |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

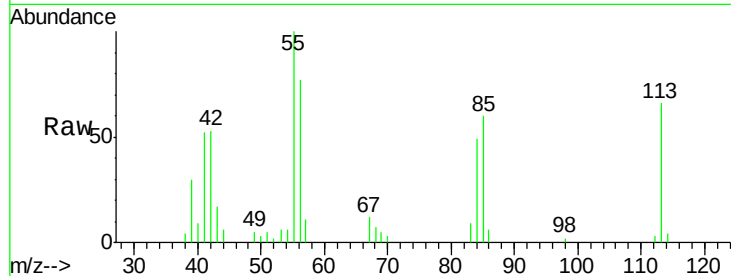




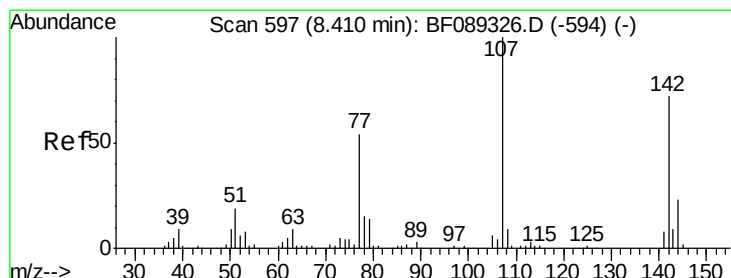
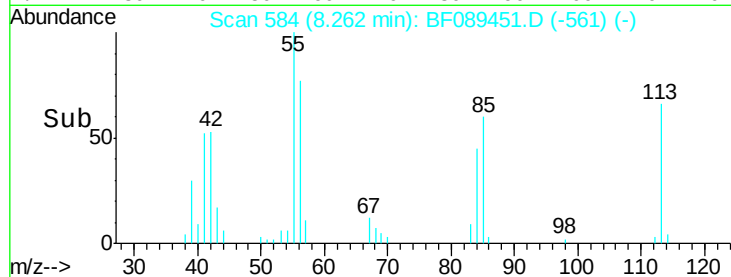
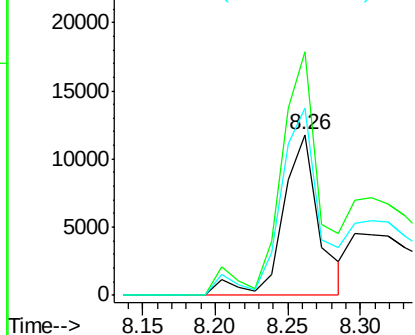
#35  
 Caprolactam  
 Concen: 27.37 ng  
 RT: 8.26 min Scan# 584  
 Delta R.T. -0.03 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:113 Resp: 20519  
 Ion Ratio Lower Upper  
 113 100  
 55 151.6 142.3 182.3  
 56 116.8 105.8 145.8

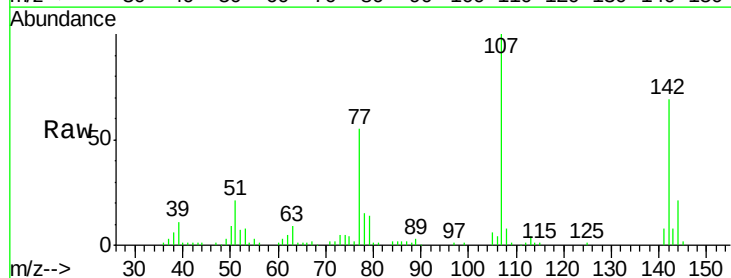


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF0  
 Ion 56.00 (55.70 to 56.70): BF0

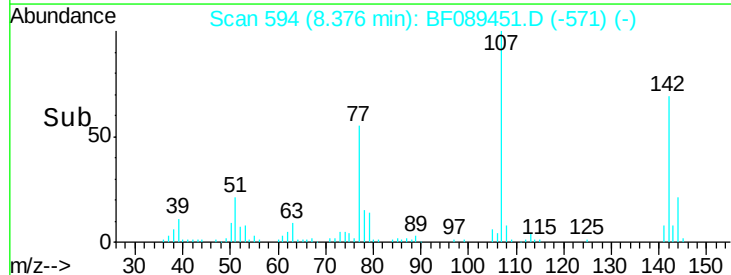
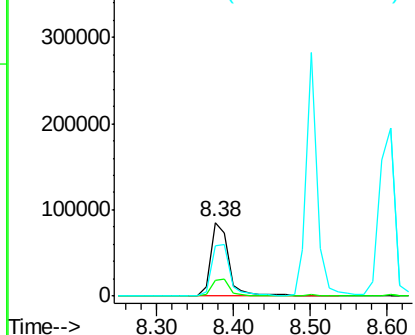


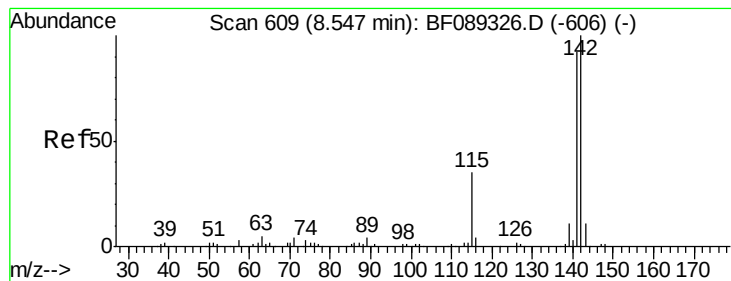
#36  
 4-Chloro-3-methylphenol  
 Concen: 47.28 ng  
 RT: 8.38 min Scan# 594  
 Delta R.T. -0.03 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Tgt Ion:107 Resp: 139571  
 Ion Ratio Lower Upper  
 107 100  
 144 21.4 18.4 27.6  
 142 68.7 58.6 87.8



Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 47.70 ng

RT: 8.50 min Scan# 605

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampled :

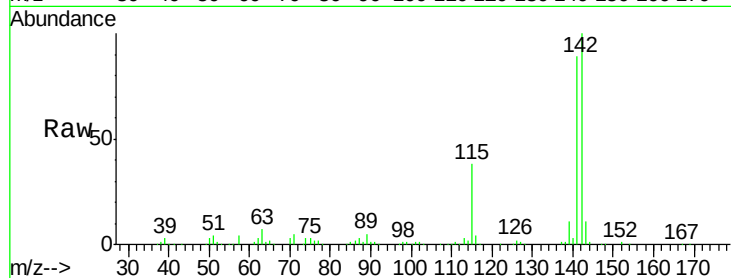
Tot Ion:142 Resp: 282487

Ion Ratio Lower Upper

142 100

141 89.4 70.9 106.3

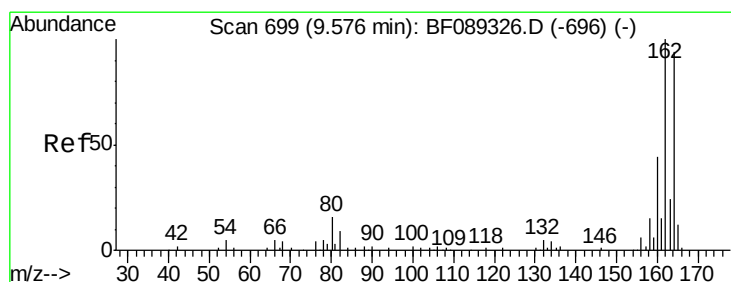
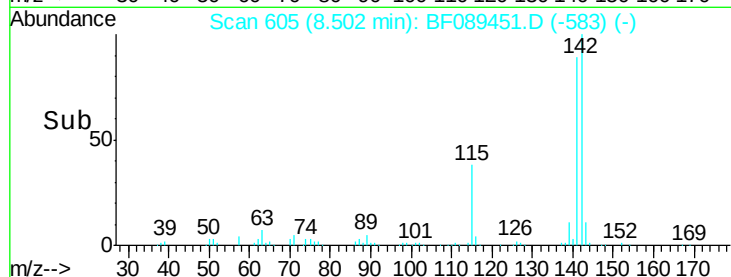
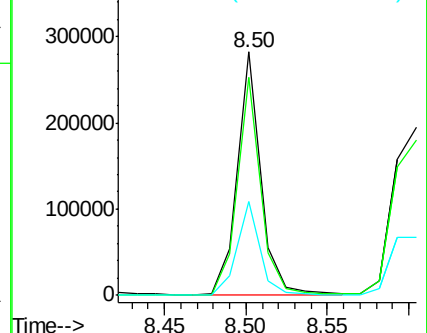
115 38.4 27.6 41.4



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: 9.53 min Scan# 695

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

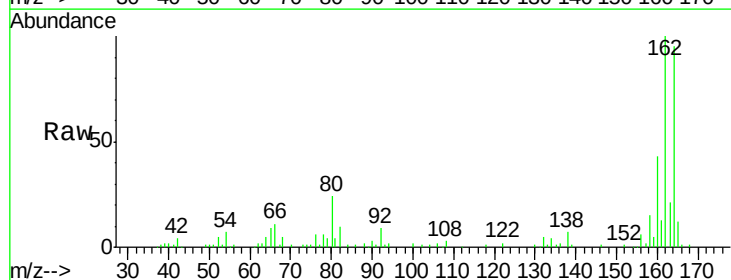
Tgt Ion:164 Resp: 90611

Ion Ratio Lower Upper

164 100

162 105.5 83.7 125.5

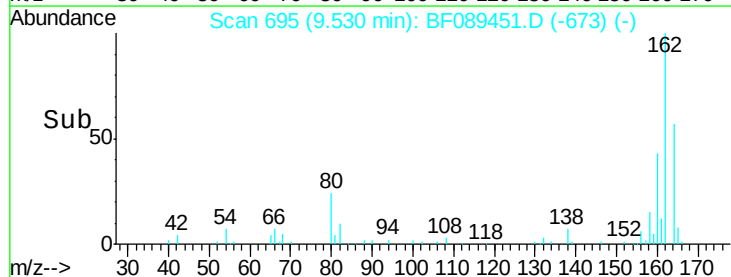
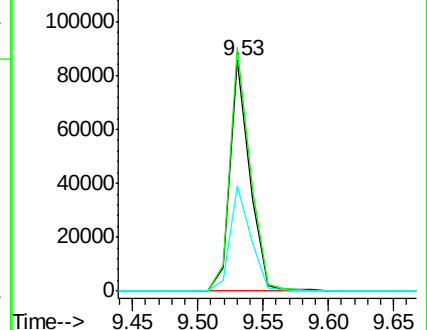
160 45.8 37.8 56.6

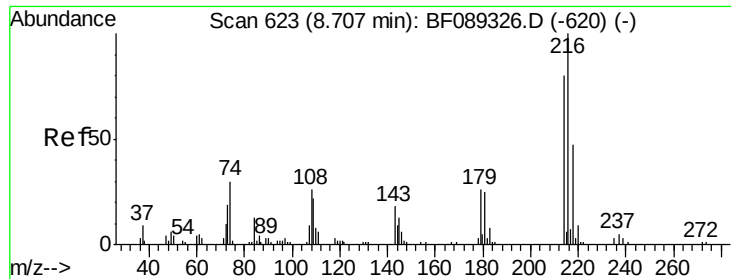


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

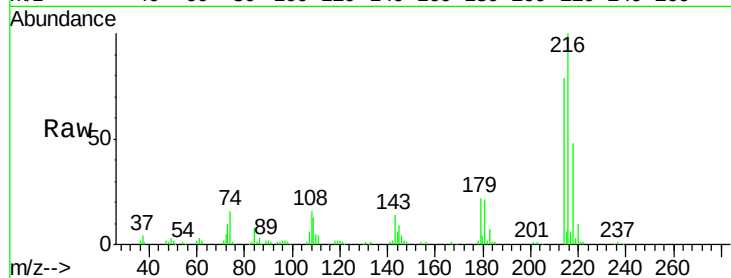




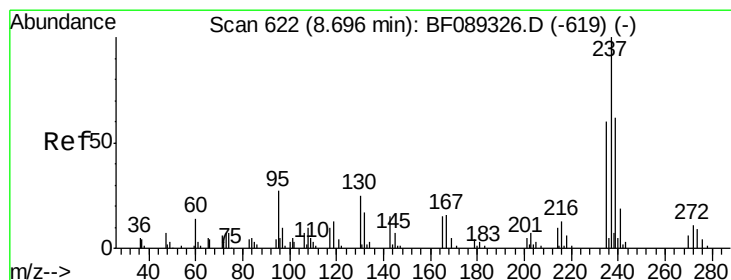
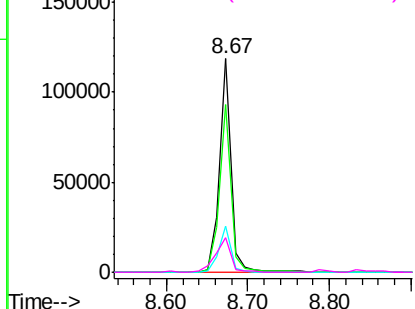
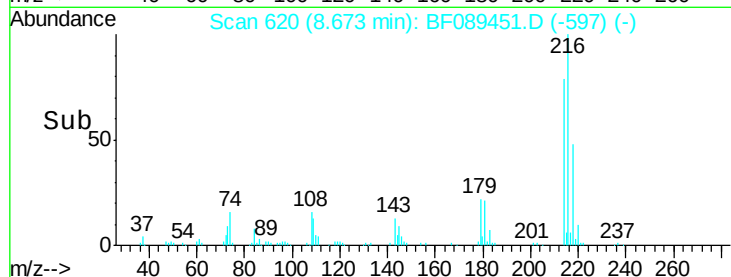
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 36.74 ng  
 RT: 8.67 min Scan# 620  
 Delta R.T. -0.03 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Instrument :  
 BNA\_F  
 ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:216 | Resp: | 116512    |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 79.1  | 63.3 94.9 |
| 179         | 22.2  | 18.1 27.1 |
| 108         | 21.8  | 17.2 25.8 |

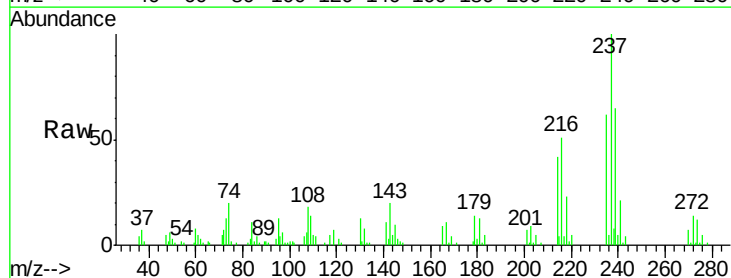


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

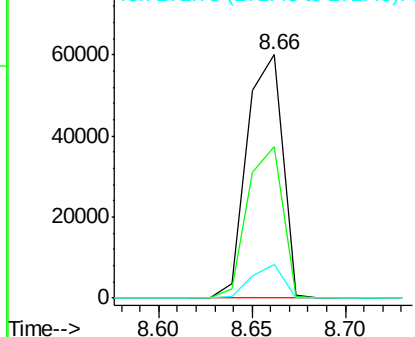
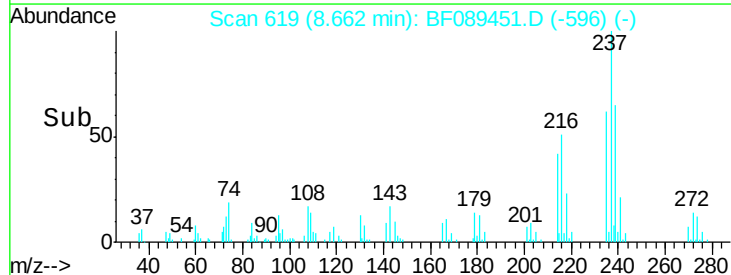


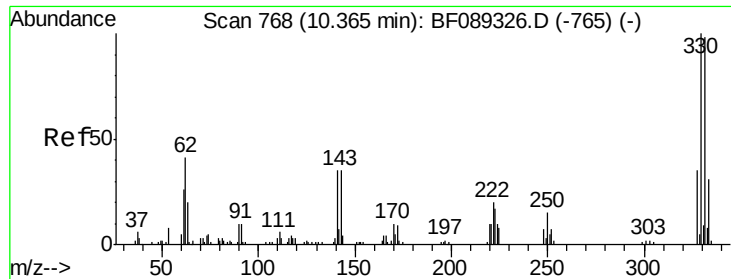
#40  
 Hexachlorocyclopentadiene  
 Concen: 86.84 ng  
 RT: 8.66 min Scan# 619  
 Delta R.T. -0.03 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 79264     |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 62.3  | 41.6 81.6 |
| 272         | 14.1  | 0.0 30.8  |



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

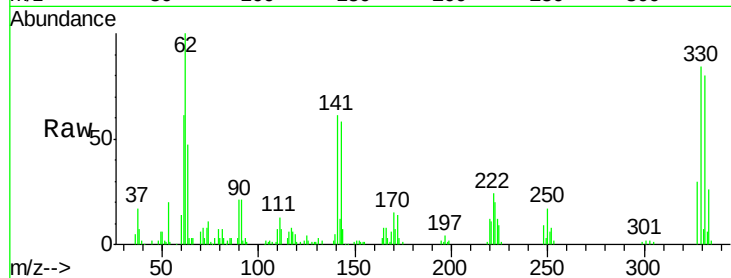




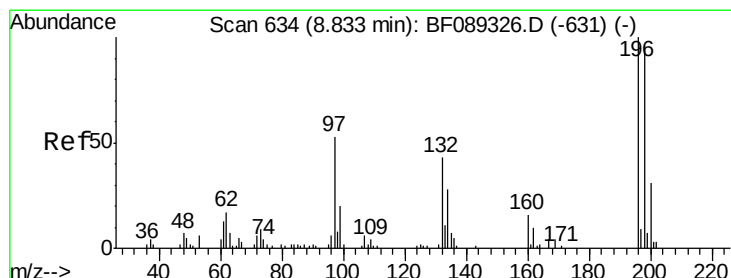
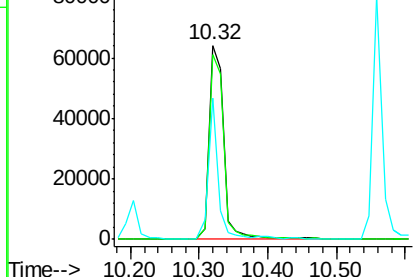
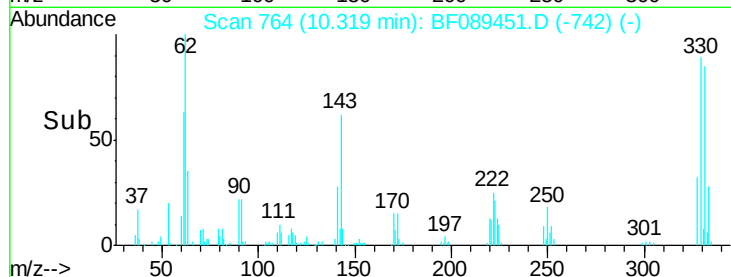
#41  
 2,4,6-Tribromophenol  
 Concen: 128.36 ng  
 RT: 10.32 min Scan# 764  
 Delta R.T. -0.05 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 96328  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 76.8 115.2  
 141 48.3 37.3 55.9

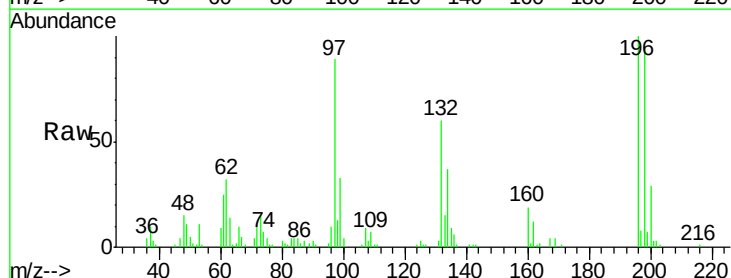


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

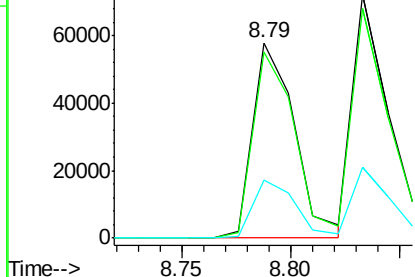
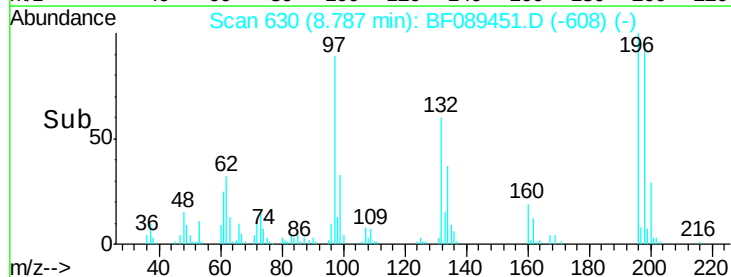


#42  
 2,4,6-Trichlorophenol  
 Concen: 51.51 ng  
 RT: 8.79 min Scan# 630  
 Delta R.T. -0.05 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

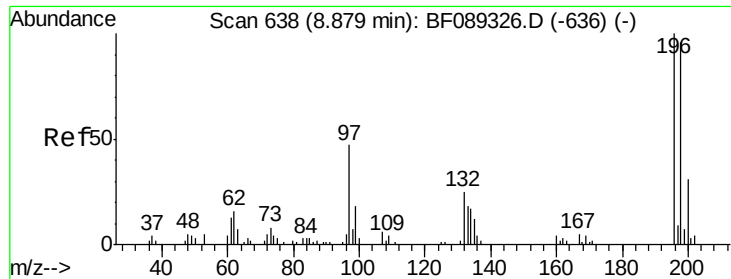
Tgt Ion:196 Resp: 77649  
 Ion Ratio Lower Upper  
 196 100  
 198 95.4 75.5 113.3  
 200 29.4 23.9 35.9



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



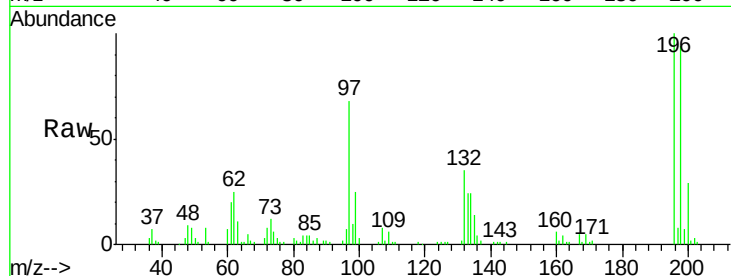




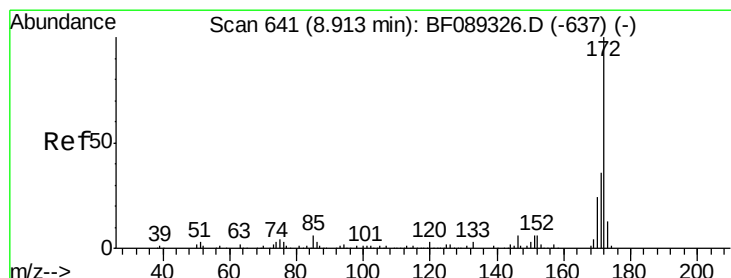
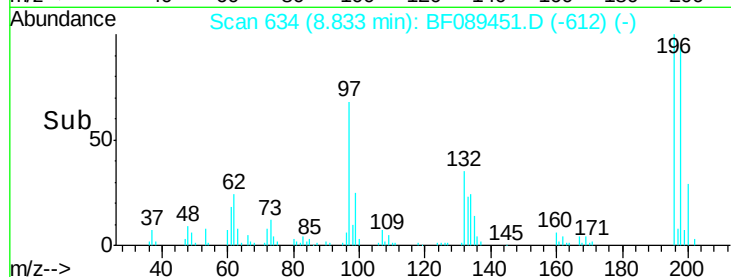
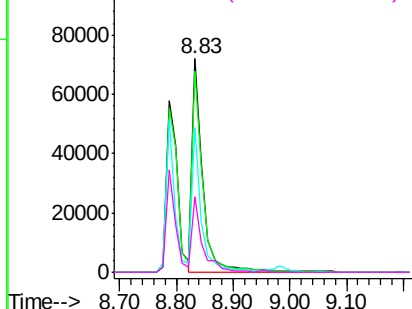
#43  
 2,4,5-Trichlorophenol  
 Concen: 49.88 ng  
 RT: 8.83 min Scan# 634  
 Delta R.T. -0.05 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:196 Resp: 95255  
 Ion Ratio Lower Upper  
 196 100  
 198 94.3 78.7 118.1  
 97 67.9 39.7 59.5#  
 132 35.1 22.8 34.2#

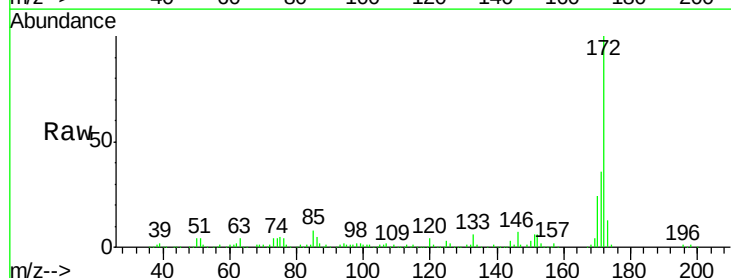


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

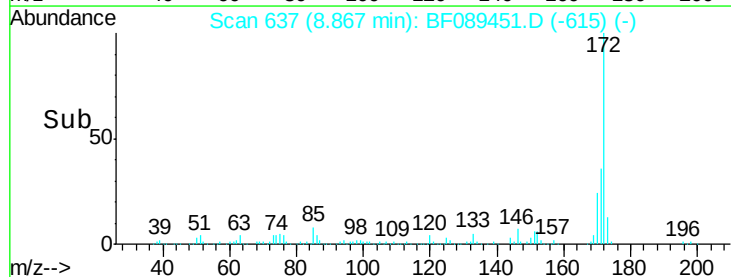
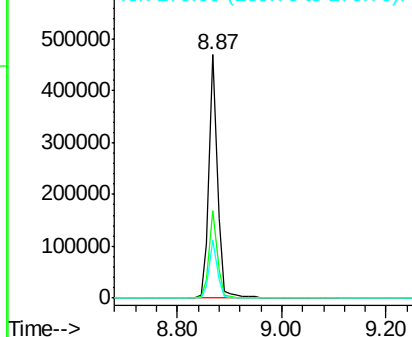


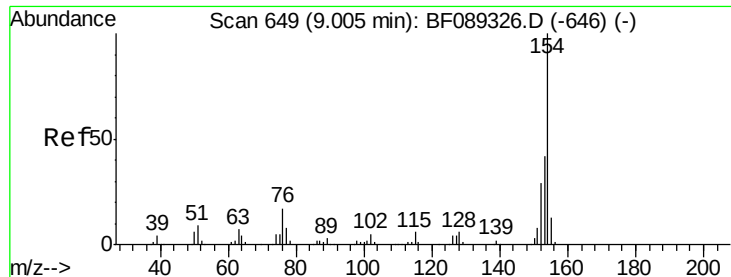
#44  
 2-Fluorobiphenyl  
 Concen: 86.42 ng  
 RT: 8.87 min Scan# 637  
 Delta R.T. -0.05 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Tgt Ion:172 Resp: 533601  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.2 43.8  
 170 23.7 19.2 28.8



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

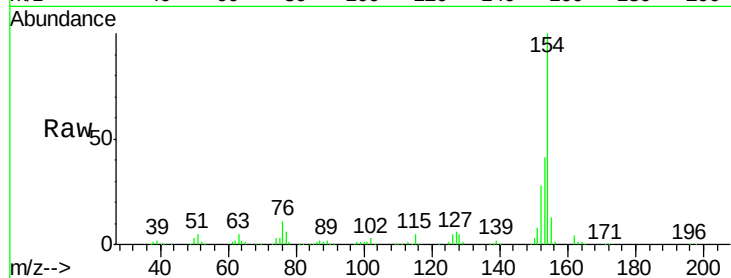




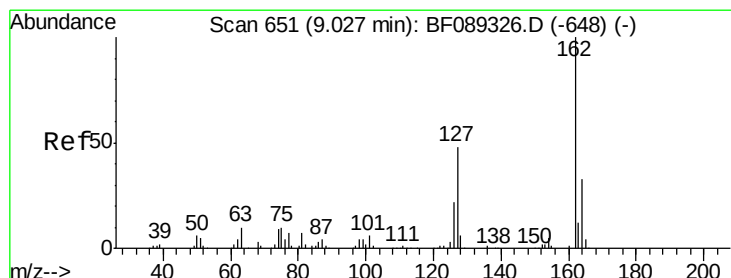
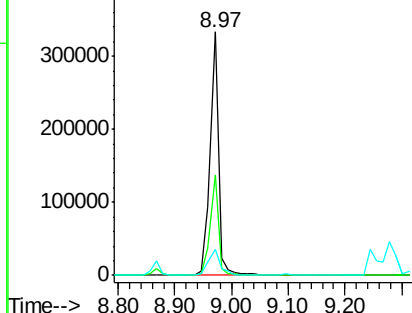
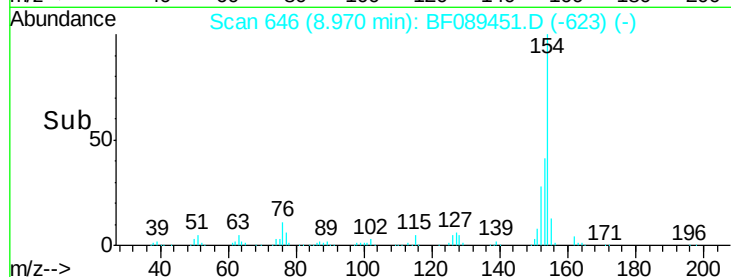
#45  
 1,1'-Biphenyl  
 Concen: 42.83 ng  
 RT: 8.97 min Scan# 646  
 Delta R.T. -0.03 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:154 Resp: 330465  
 Ion Ratio Lower Upper  
 154 100  
 153 40.9 21.0 61.0  
 76 10.7 0.0 36.6

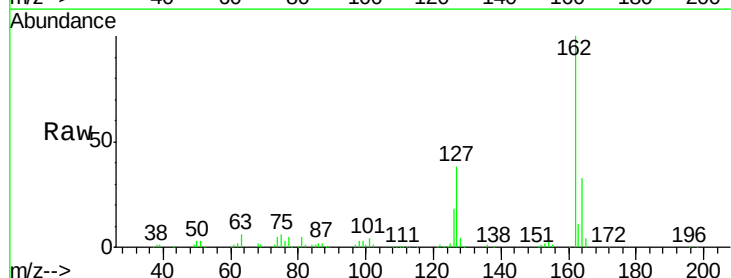


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

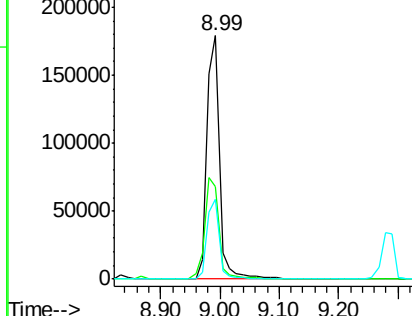
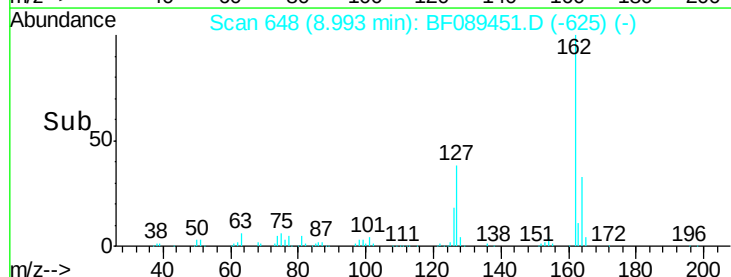


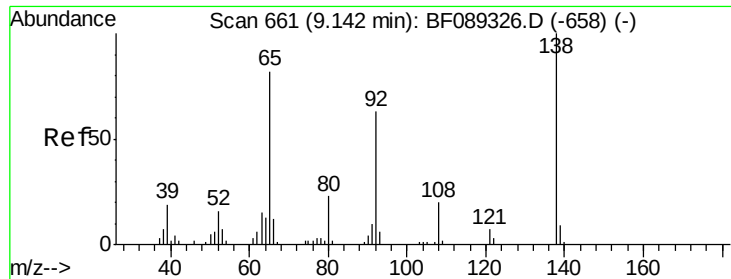
#46  
 2-Chloronaphthalene  
 Concen: 46.08 ng  
 RT: 8.99 min Scan# 648  
 Delta R.T. -0.03 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Tgt Ion:162 Resp: 266967  
 Ion Ratio Lower Upper  
 162 100  
 127 37.9 37.8 56.8  
 164 32.8 25.8 38.8



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

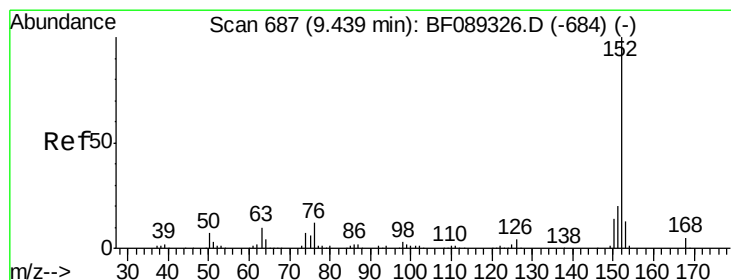
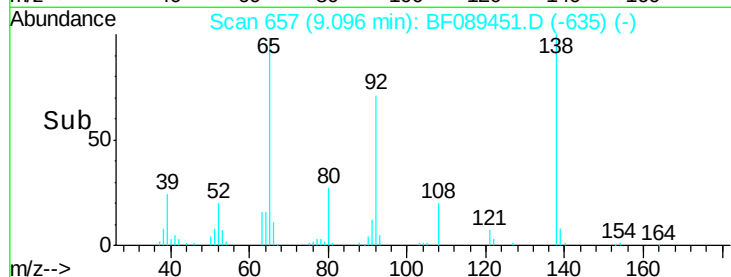
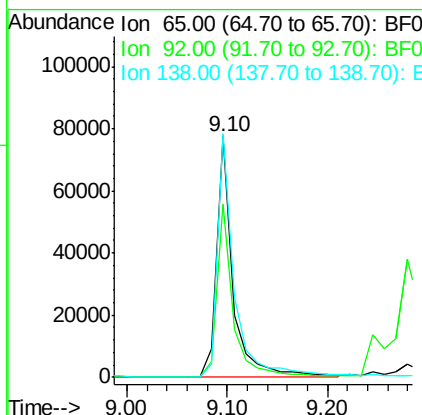
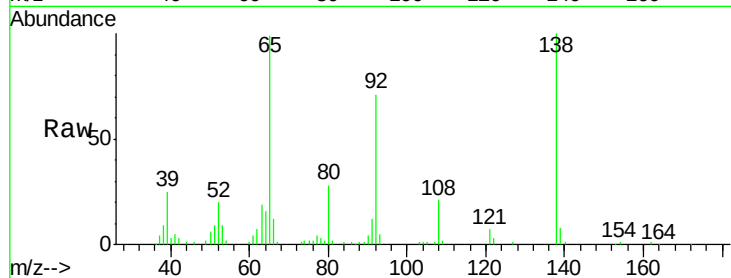




#47  
2-Nitroaniline  
Concen: 51.37 ng  
RT: 9.10 min Scan# 657  
Delta R.T. -0.05 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

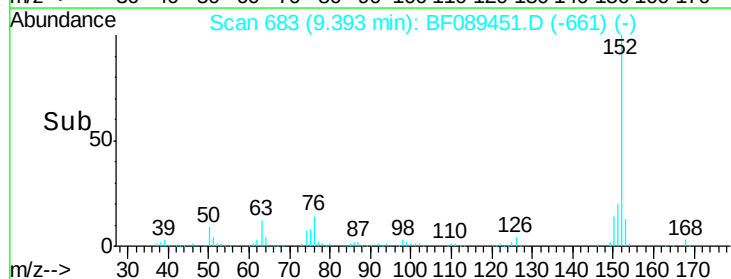
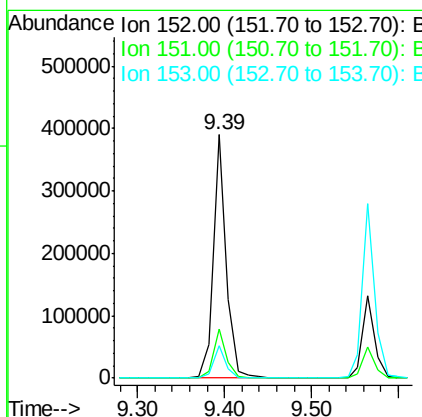
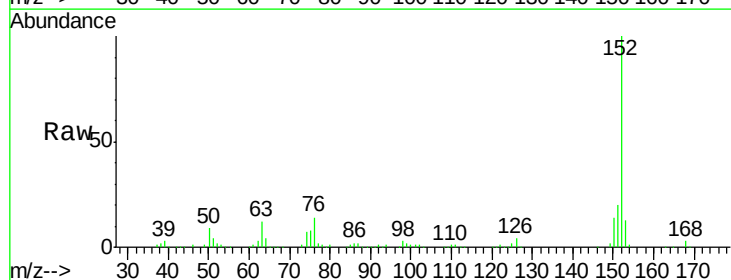
Instrument :  
BNA\_F  
ClientSampleId :

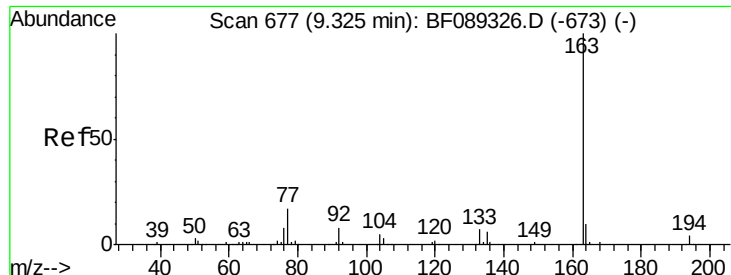
Tot Ion: 65 Resp: 88145  
Ion Ratio Lower Upper  
65 100  
92 72.0 61.0 91.4  
138 101.1 99.1 148.7



#48  
Acenaphthylene  
Concen: 44.98 ng  
RT: 9.39 min Scan# 683  
Delta R.T. -0.05 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Tgt Ion: 152 Resp: 410482  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.2 24.2  
153 13.3 10.2 15.4





#49

Dimethylphthalate

Concen: 78.75 ng

RT: 9.29 min Scan# 674

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

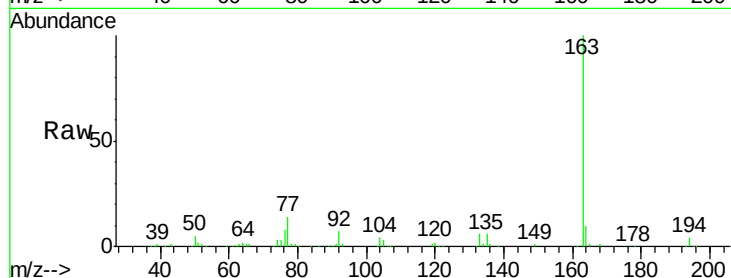
Tot Ion:163 Resp: 543071

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

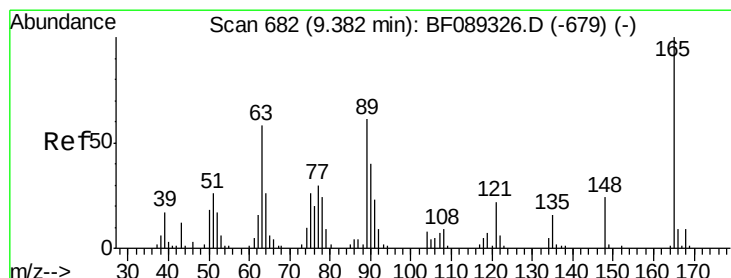
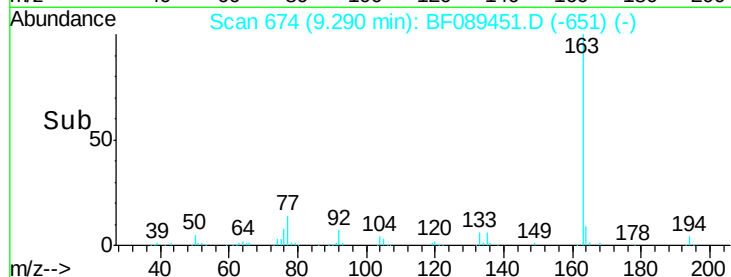
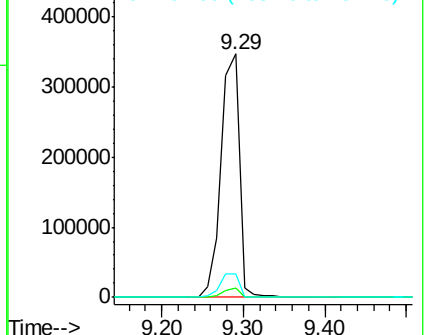
164 9.5 7.8 11.8



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: 50.53 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

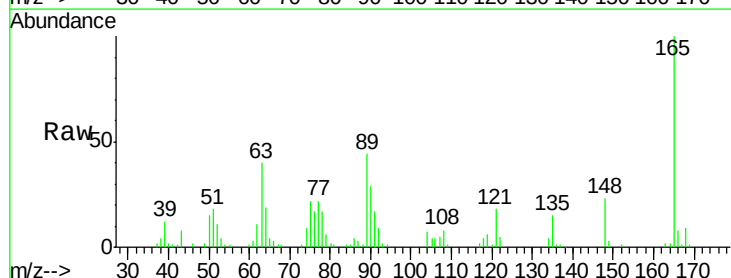
Tgt Ion:165 Resp: 71592

Ion Ratio Lower Upper

165 100

63 39.9 43.5 65.3#

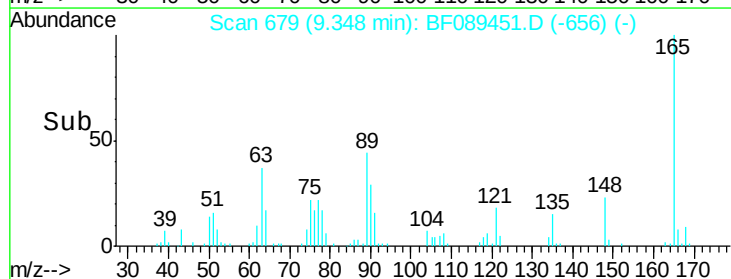
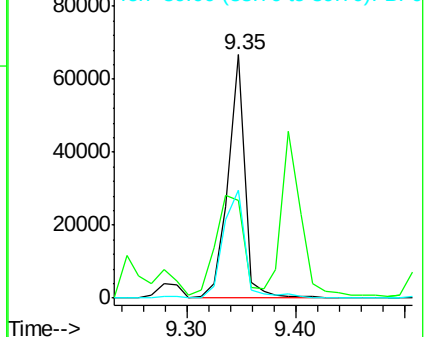
89 44.2 45.0 67.4#

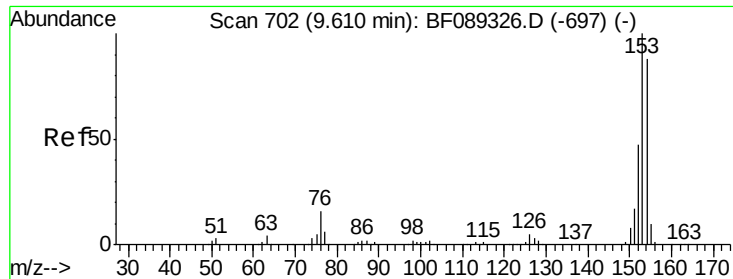


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 44.54 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

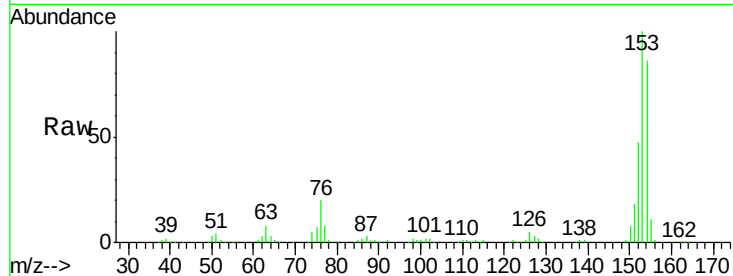
Tot Ion:154 Resp: 237396

Ion Ratio Lower Upper

154 100

153 116.2 91.4 137.2

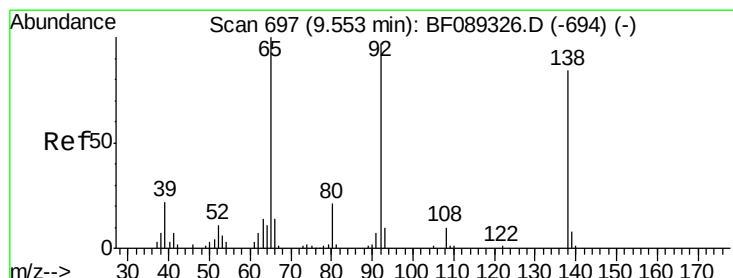
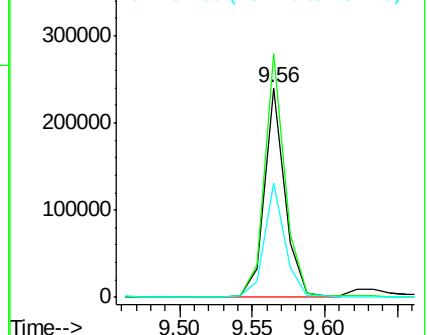
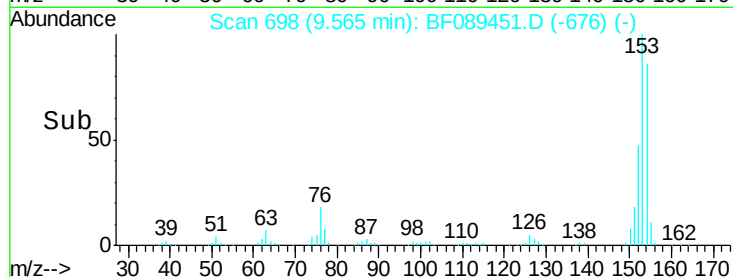
152 54.7 43.8 65.6



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: 29.91 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

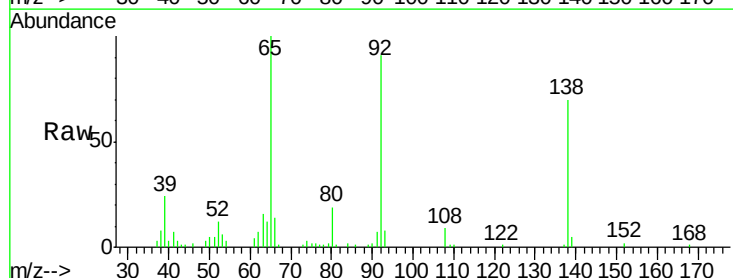
Tgt Ion:138 Resp: 44719

Ion Ratio Lower Upper

138 100

108 12.5 8.6 13.0

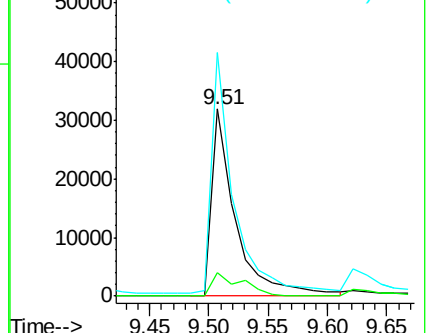
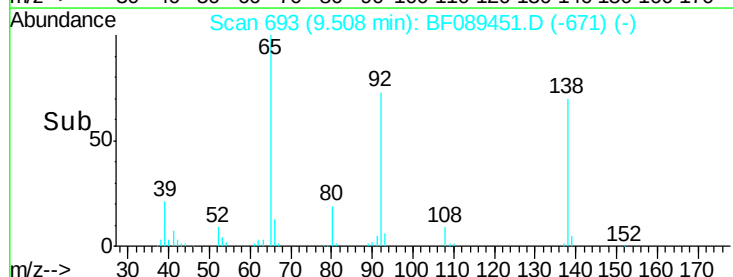
92 130.4 90.0 135.0

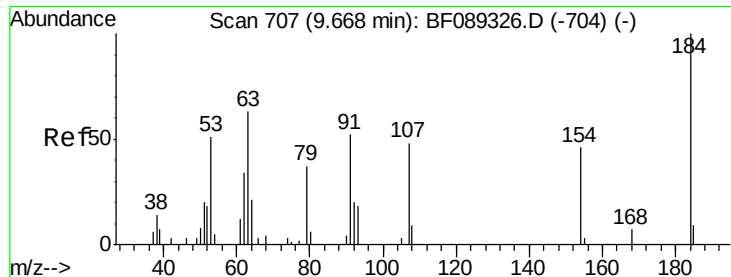


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

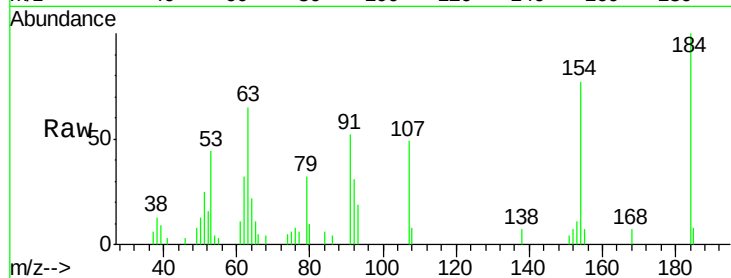




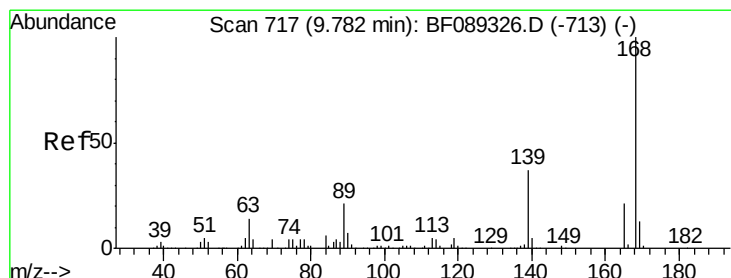
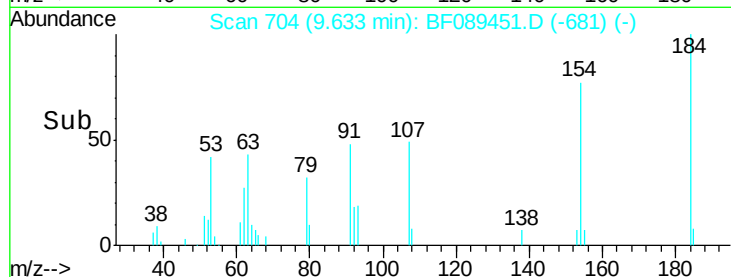
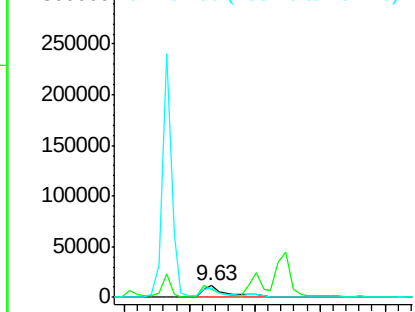
#53  
2,4-Dinitrophenol  
Concen: 56.03 ng  
RT: 9.63 min Scan# 704  
Delta R.T. -0.03 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 30629  
Ion Ratio Lower Upper  
184 100  
63 65.3 60.6 90.8  
154 77.4 69.8 104.8

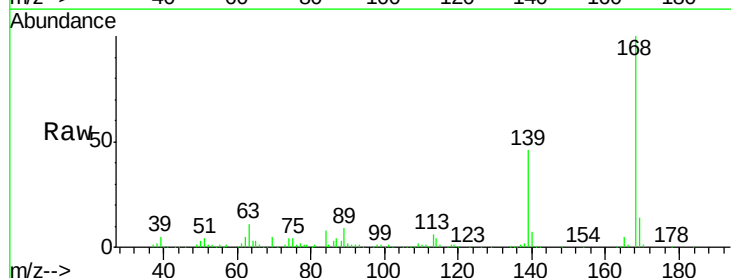


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

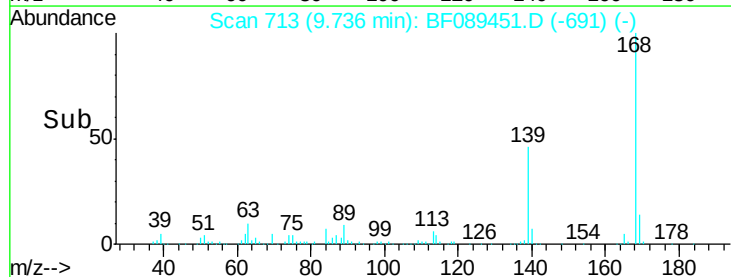
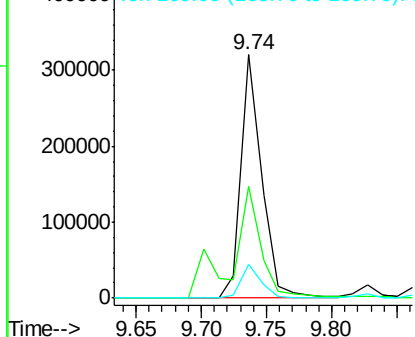


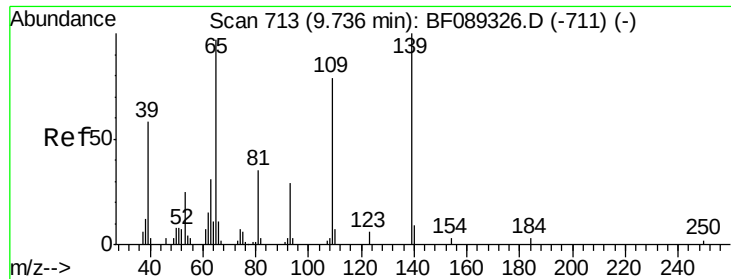
#54  
Dibenzofuran  
Concen: 48.68 ng  
RT: 9.74 min Scan# 713  
Delta R.T. -0.05 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Tgt Ion:168 Resp: 353550  
Ion Ratio Lower Upper  
168 100  
139 46.0 33.7 50.5  
169 13.7 10.7 16.1



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

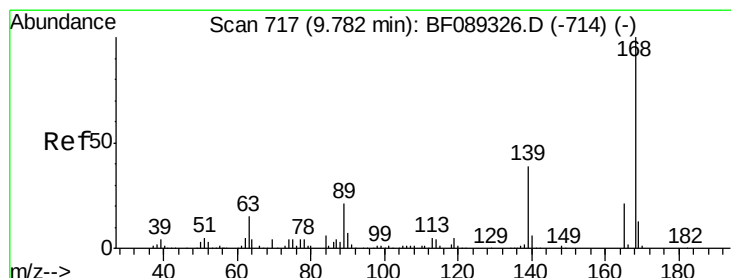
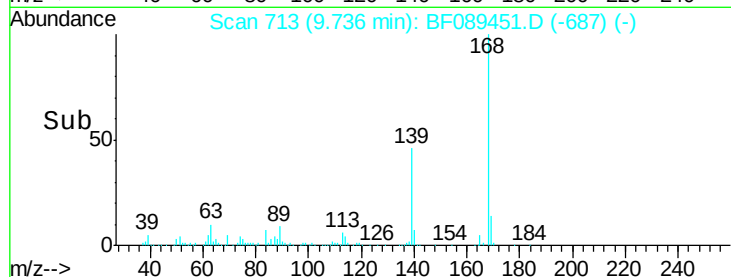
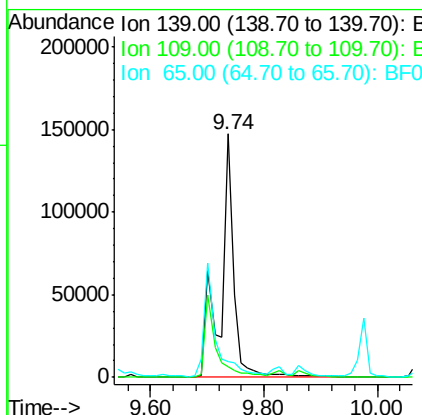
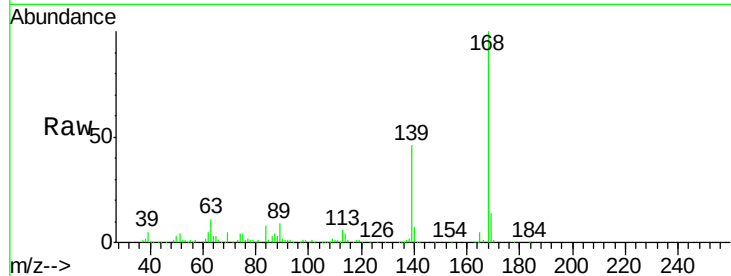




#55  
4-Nitrophenol  
Concen: 309.20 ng  
RT: 9.74 min Scan# 713  
Delta R.T. 0.00 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

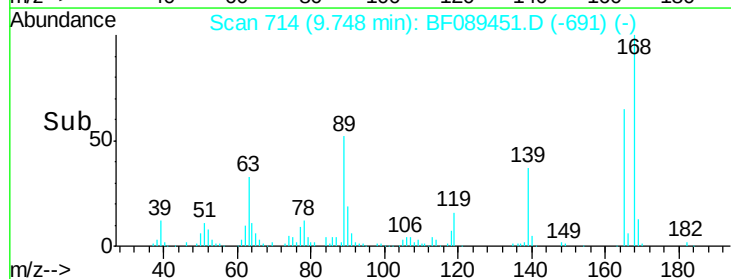
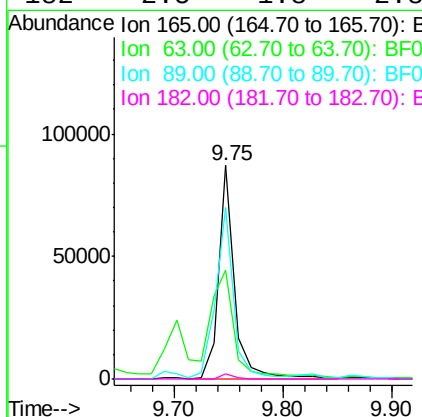
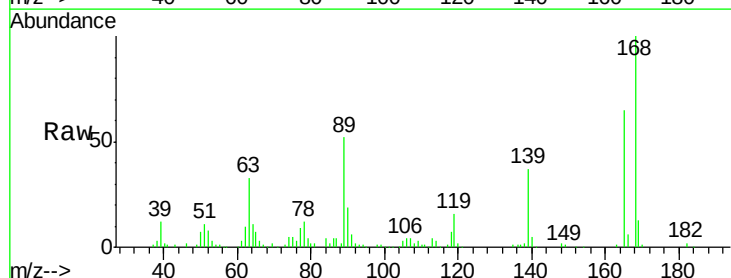
Instrument :  
BNA\_F  
ClientSampleId :

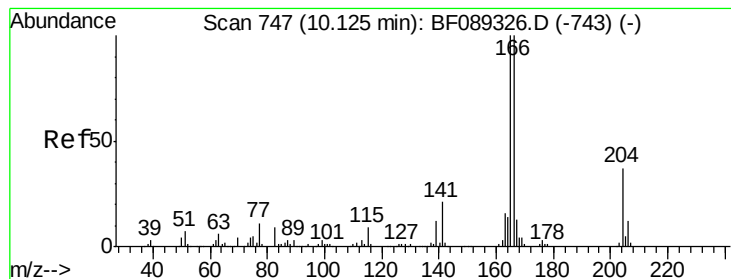
Tot Ion:139 Resp: 239156  
Ion Ratio Lower Upper  
139 100  
109 4.3 57.8 97.8#  
65 6.4 81.7 121.7#



#56  
2,4-Dinitrotoluene  
Concen: 48.62 ng  
RT: 9.75 min Scan# 714  
Delta R.T. -0.03 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Tgt Ion:165 Resp: 90703  
Ion Ratio Lower Upper  
165 100  
63 51.0 58.2 87.2#  
89 80.3 79.1 118.7  
182 2.5 1.8 2.8





#57

Fluorene

Concen: 45.54 ng

RT: 10.08 min Scan# 743

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

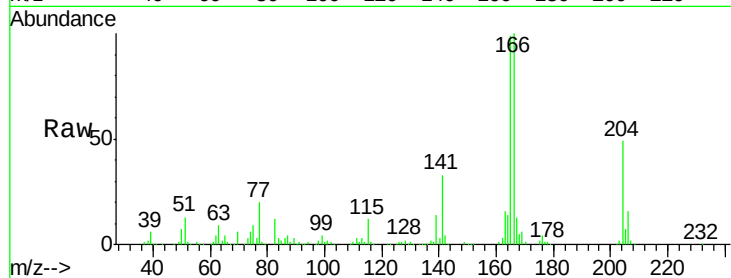
Tot Ion:166 Resp: 288700

Ion Ratio Lower Upper

166 100

165 99.4 79.0 118.4

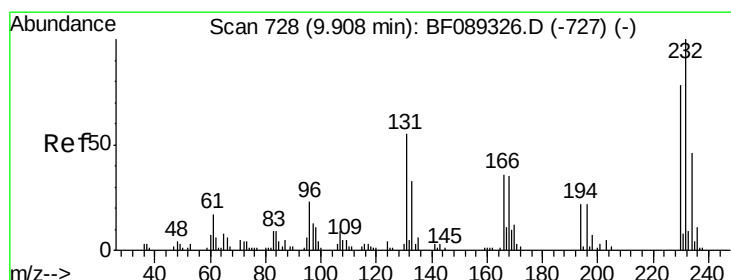
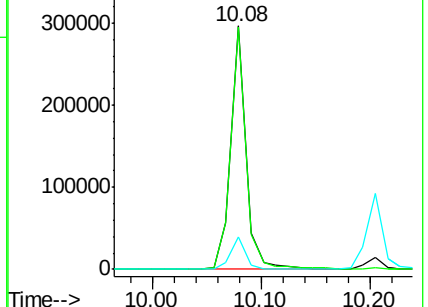
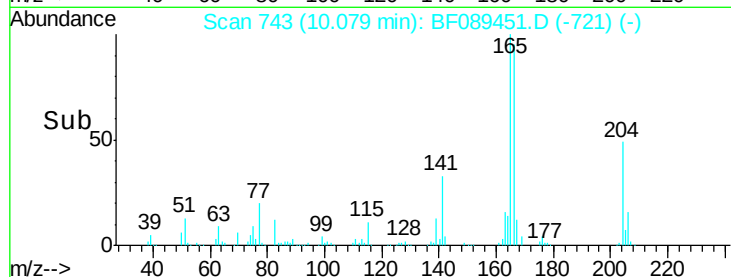
167 13.5 10.2 15.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.54 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Tgt Ion:232 Resp: 63166

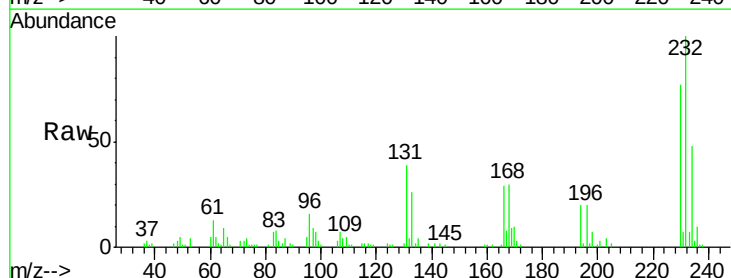
Ion Ratio Lower Upper

232 100

131 57.6 42.7 64.1

130 2.8 1.7 2.5#

166 36.1 25.7 38.5

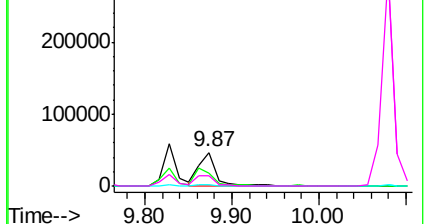
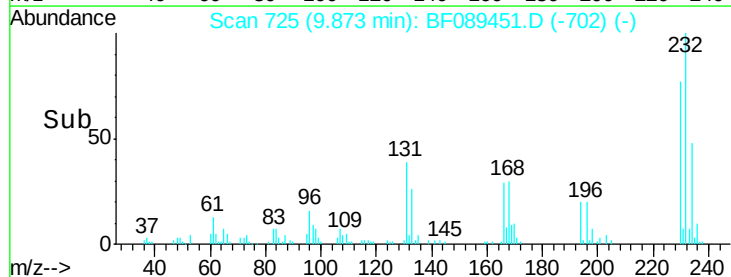


Abundance Ion 232.00 (231.70 to 232.70): E

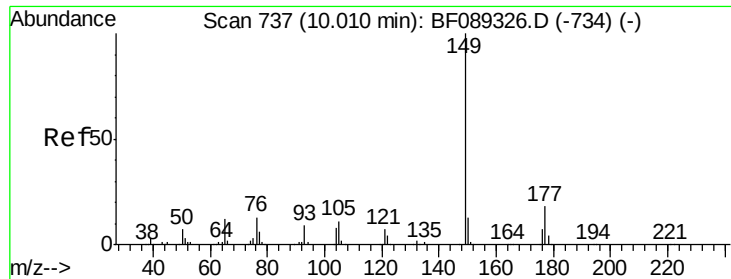
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



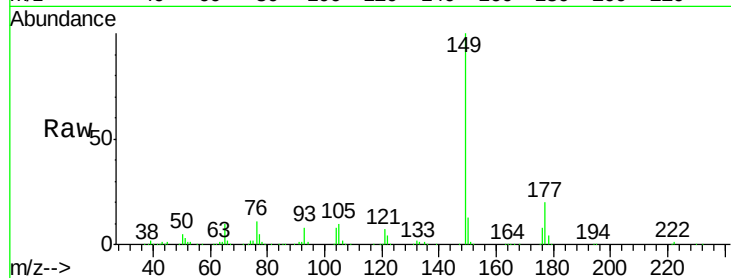




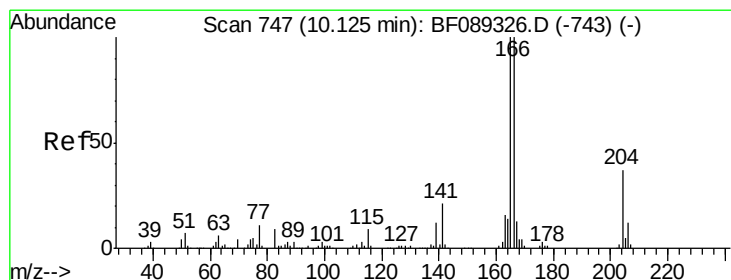
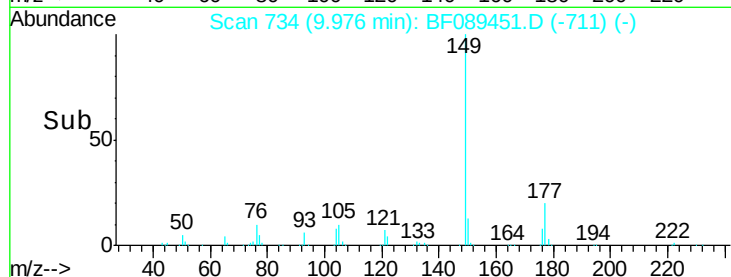
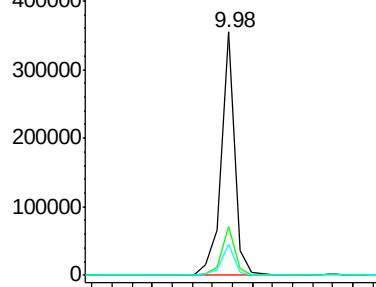
#59  
Diethylphthalate  
Concen: 47.43 ng  
RT: 9.98 min Scan# 734  
Delta R.T. -0.03 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 331616  
Ion Ratio Lower Upper  
149 100  
177 20.4 15.1 22.7  
150 12.7 10.2 15.4

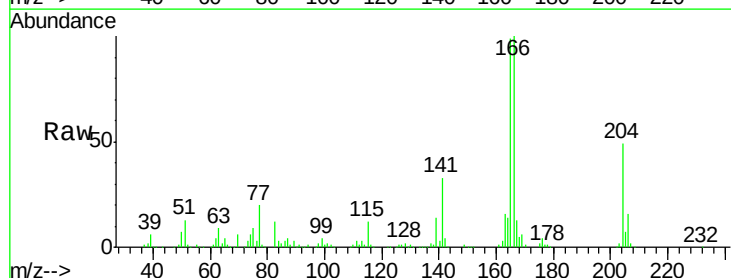


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

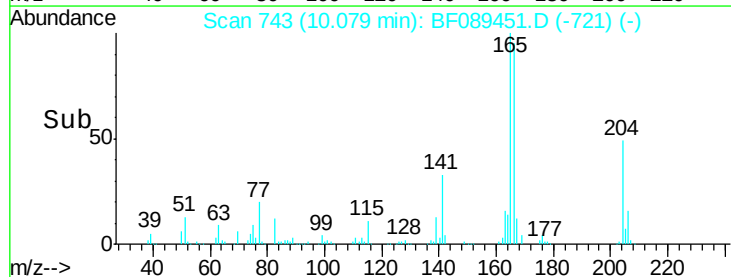
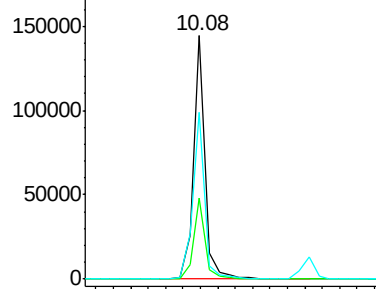


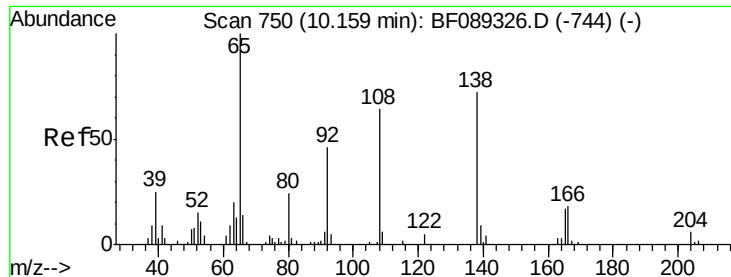
#60  
4-Chlorophenyl-phenylether  
Concen: 46.36 ng  
RT: 10.08 min Scan# 743  
Delta R.T. -0.05 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Tgt Ion:204 Resp: 134821  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.6 39.8  
141 68.7 46.6 70.0



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

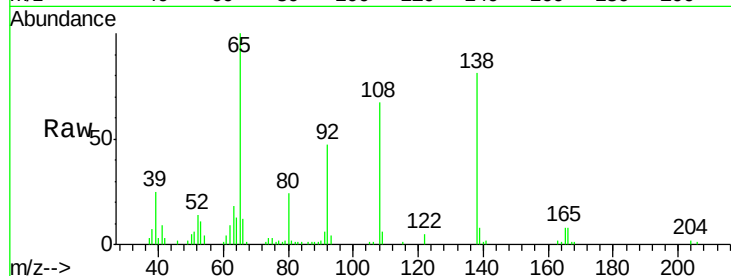




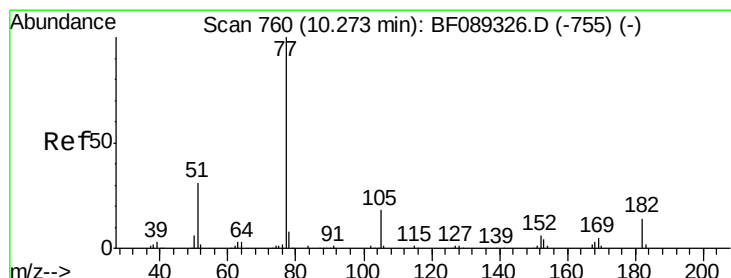
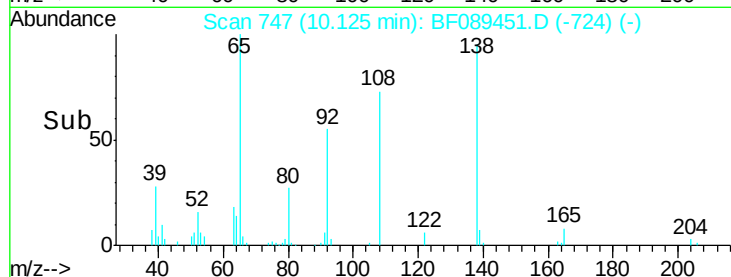
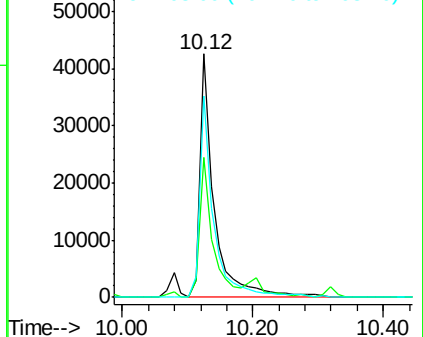
#61  
4-Nitroaniline  
Concen: 41.33 ng  
RT: 10.12 min Scan# 747  
Delta R.T. -0.03 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 63701  
Ion Ratio Lower Upper  
138 100  
92 57.2 41.2 81.2  
108 82.9 69.6 109.6

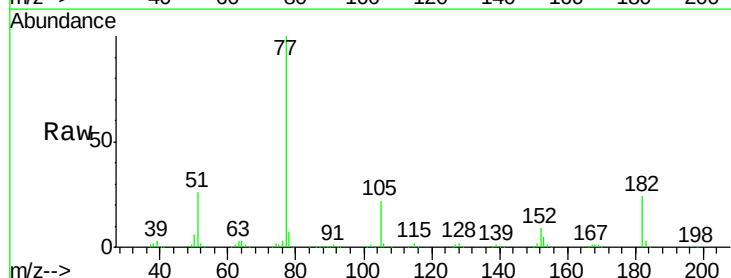


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

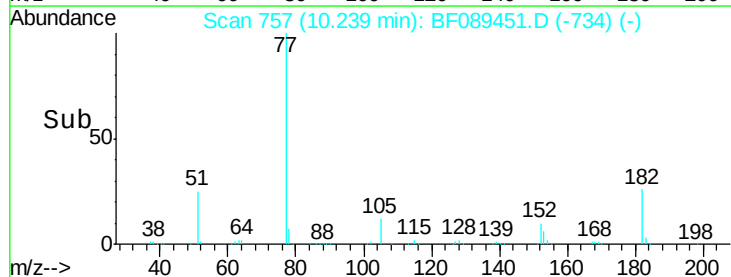
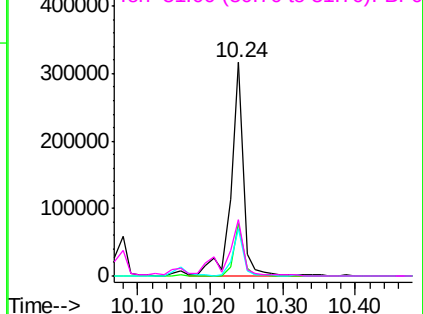


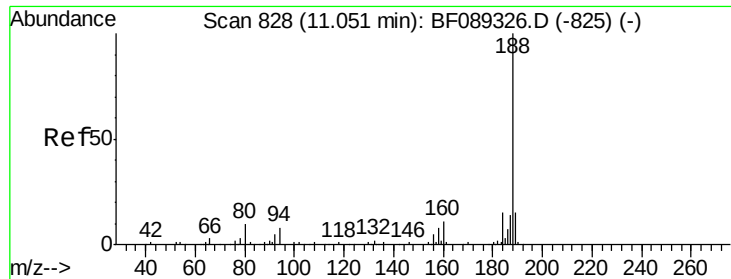
#62  
Azobenzene  
Concen: 51.13 ng  
RT: 10.24 min Scan# 757  
Delta R.T. -0.03 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Tgt Ion: 77 Resp: 368120  
Ion Ratio Lower Upper  
77 100  
182 24.5 0.0 33.8  
105 22.4 0.0 39.8  
51 26.5 11.0 51.0



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF0

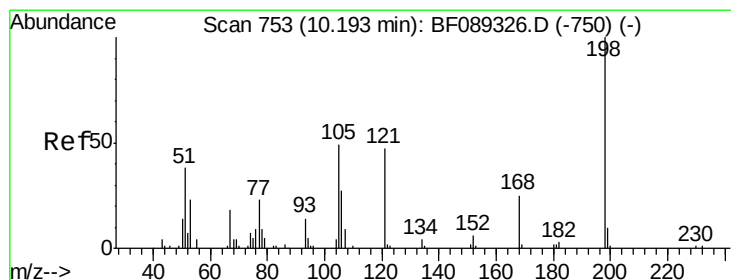
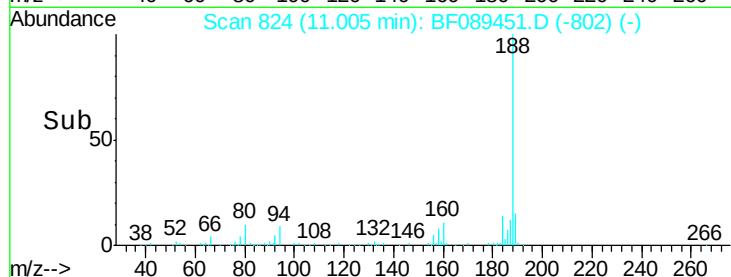
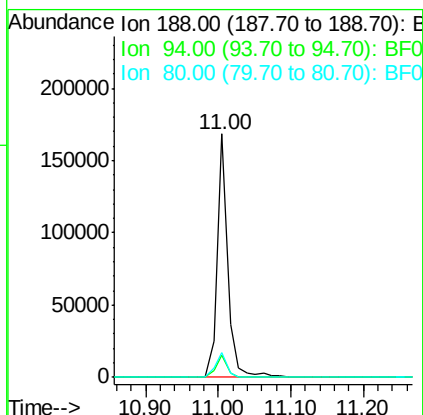
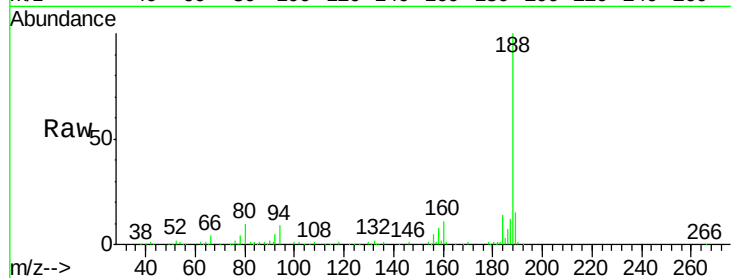




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.00 min Scan# 824  
Delta R.T. -0.05 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

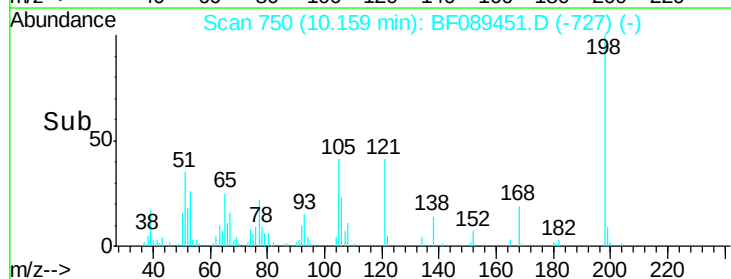
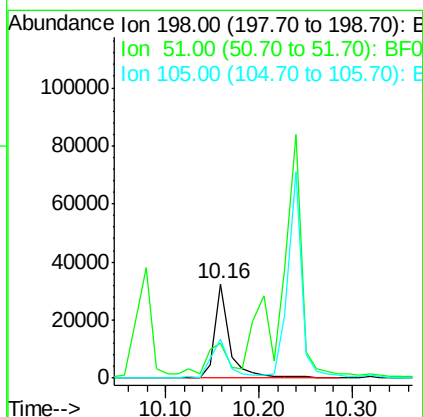
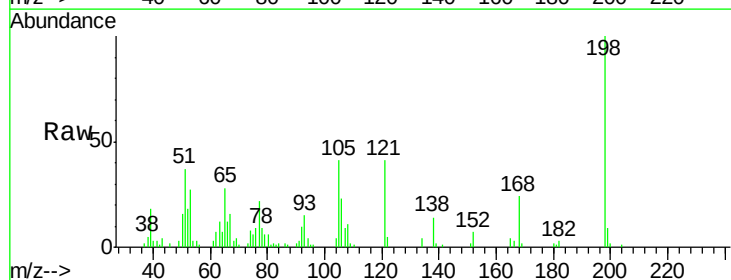
Instrument :  
BNA\_F  
ClientSampleId :

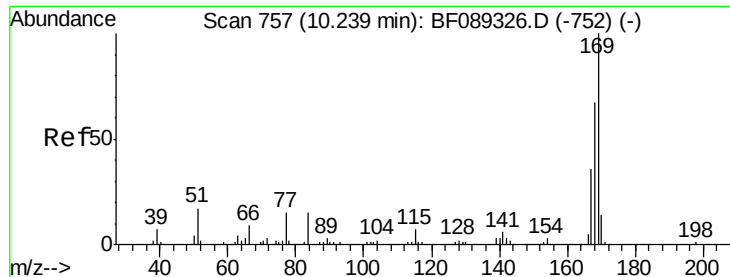
Tot Ion:188 Resp: 170701  
Ion Ratio Lower Upper  
188 100  
94 9.2 6.5 9.7  
80 10.2 7.2 10.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 36.35 ng  
RT: 10.16 min Scan# 750  
Delta R.T. -0.03 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Tgt Ion:198 Resp: 36254  
Ion Ratio Lower Upper  
198 100  
51 36.7 23.0 63.0  
105 40.8 28.3 68.3





#65

n-Nitrosodiphenylamine

Concen: 49.88 ng

RT: 10.20 min Scan# 754

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

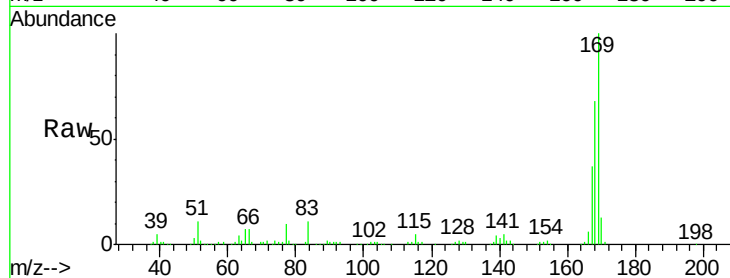
Tot Ion:169 Resp: 265695

Ion Ratio Lower Upper

169 100

168 67.9 55.4 83.0

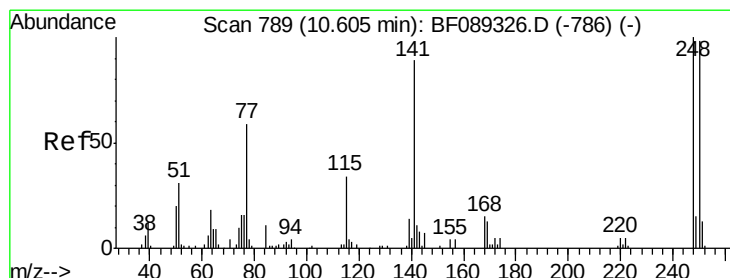
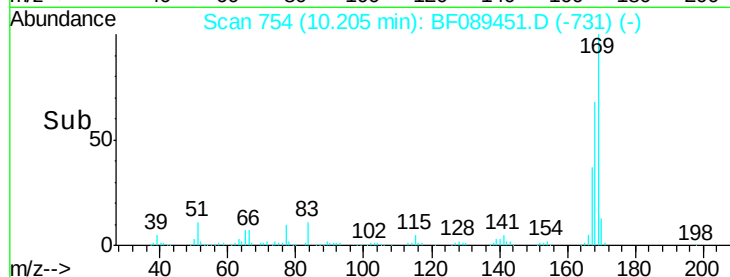
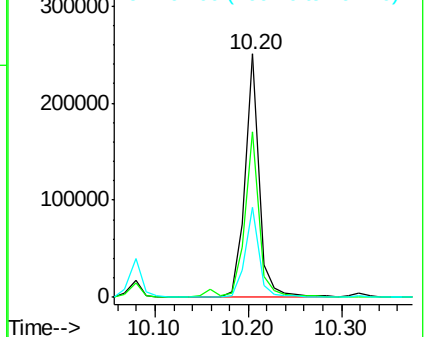
167 37.0 29.7 44.5



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 45.87 ng

RT: 10.56 min Scan# 785

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

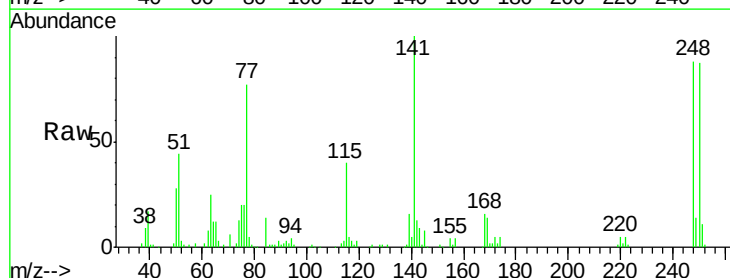
Tgt Ion:248 Resp: 74758

Ion Ratio Lower Upper

248 100

250 98.8 78.2 117.2

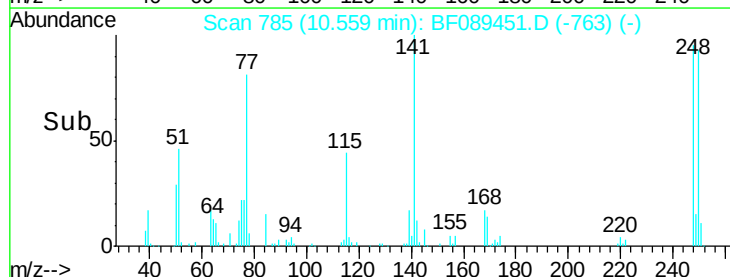
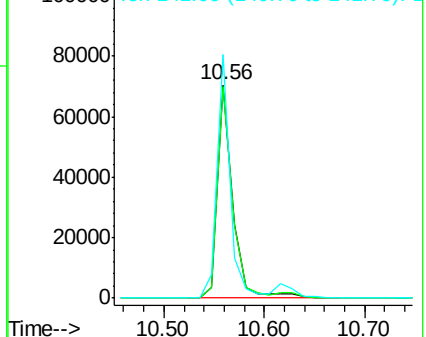
141 114.0 62.0 93.0#

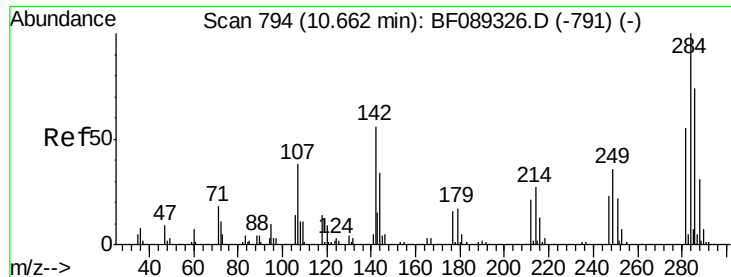


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 46.35 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

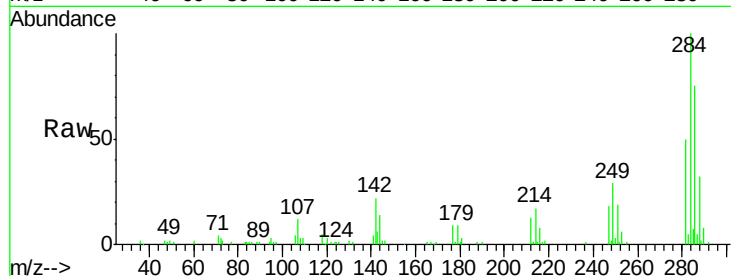
Tot Ion:284 Resp: 77417

Ion Ratio Lower Upper

284 100

142 22.0 42.2 63.4#

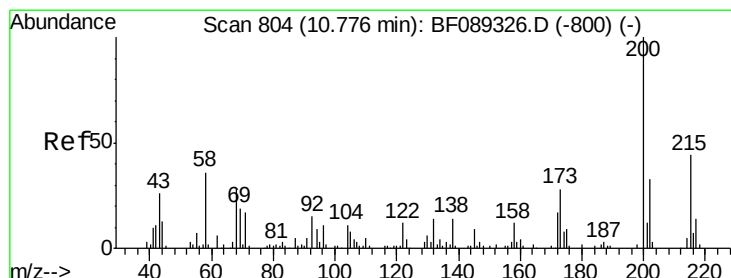
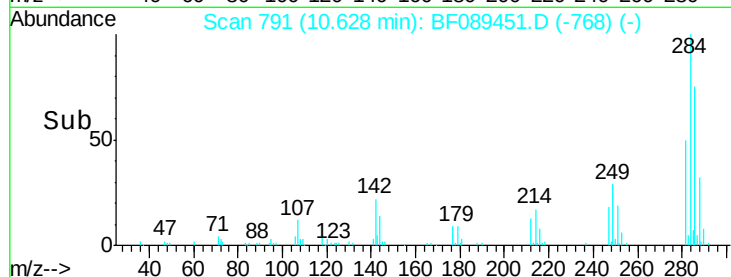
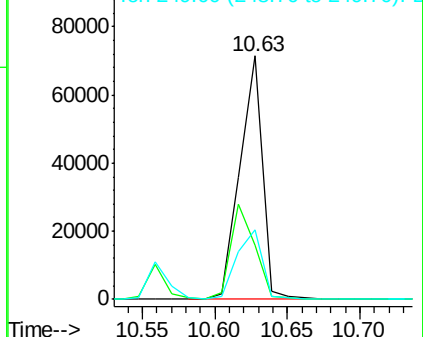
249 28.6 29.4 44.0#



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: 47.60 ng

RT: 10.74 min Scan# 801

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

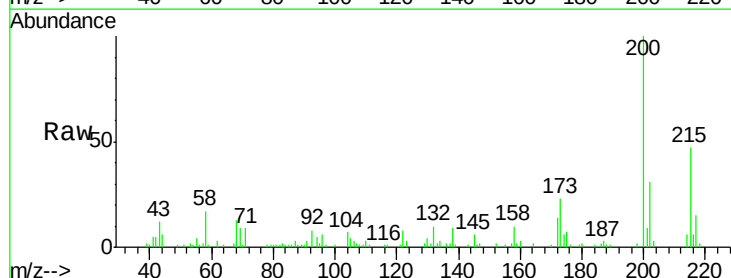
Tgt Ion:200 Resp: 77886

Ion Ratio Lower Upper

200 100

173 23.2 6.0 46.0

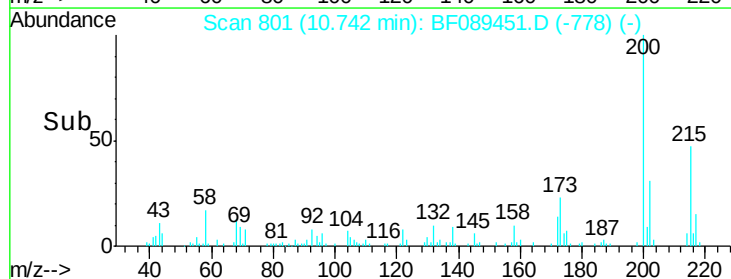
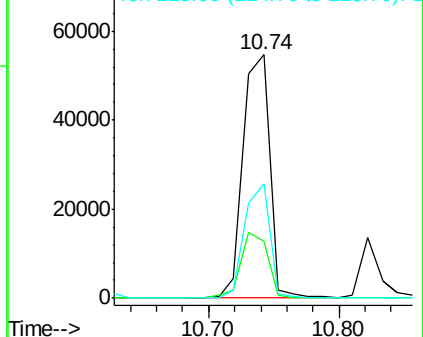
215 46.9 24.3 64.3

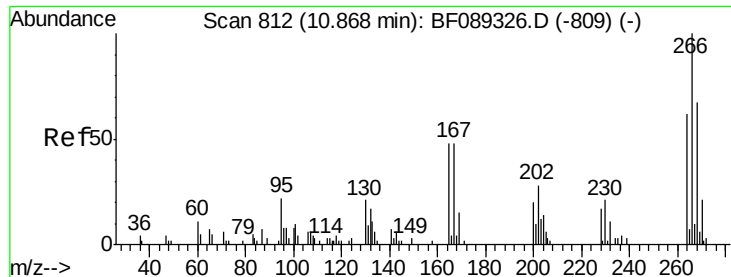


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

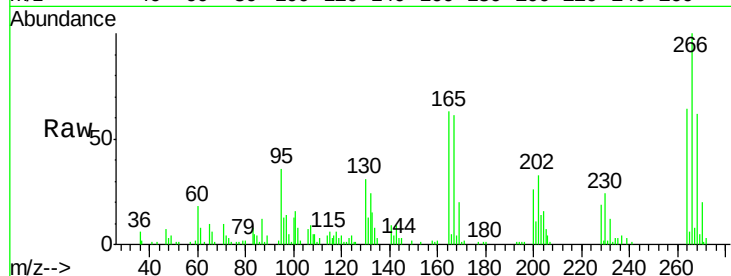




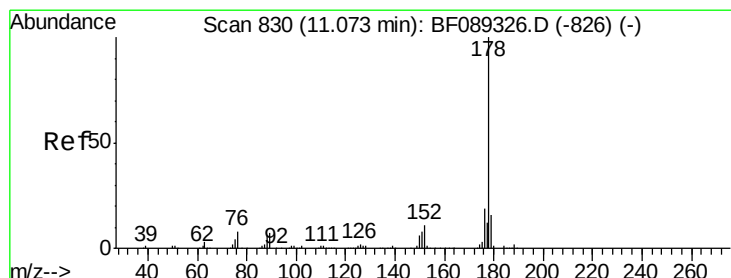
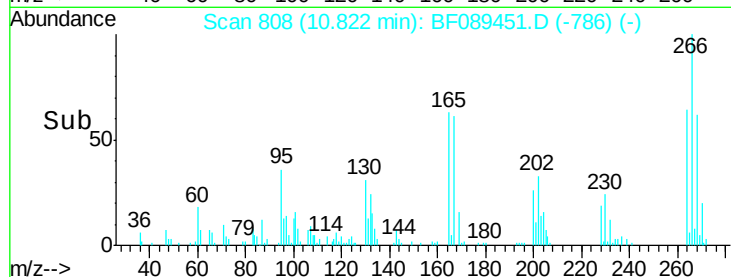
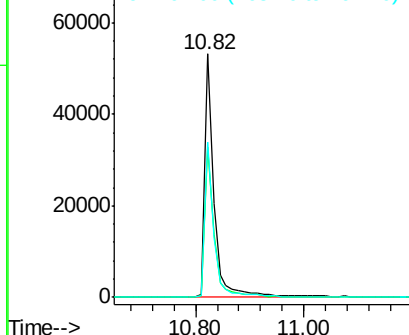
#69  
 Pentachlorophenol  
 Concen: 78.64 ng  
 RT: 10.82 min Scan# 808  
 Delta R.T. -0.05 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:266 Resp: 63542  
 Ion Ratio Lower Upper  
 266 100  
 268 61.7 49.4 74.2  
 264 63.7 50.2 75.2

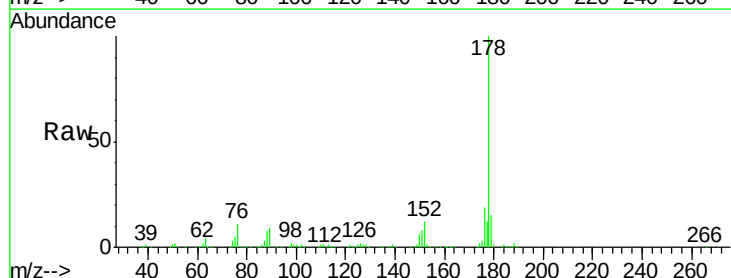


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

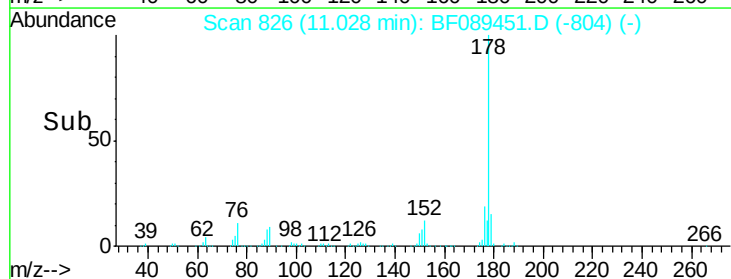
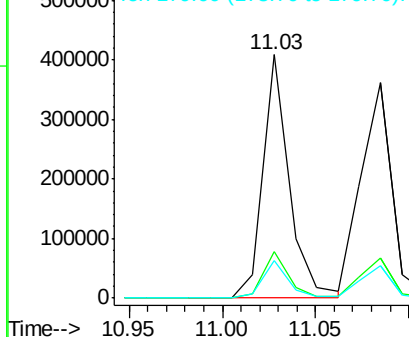


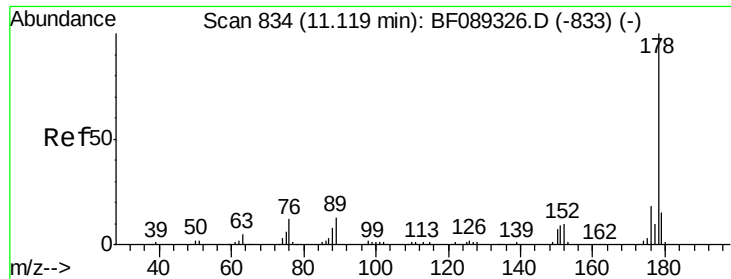
#70  
 Phenanthrene  
 Concen: 44.94 ng  
 RT: 11.03 min Scan# 826  
 Delta R.T. -0.05 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Tgt Ion:178 Resp: 395667  
 Ion Ratio Lower Upper  
 178 100  
 176 19.1 15.5 23.3  
 179 15.4 12.3 18.5



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

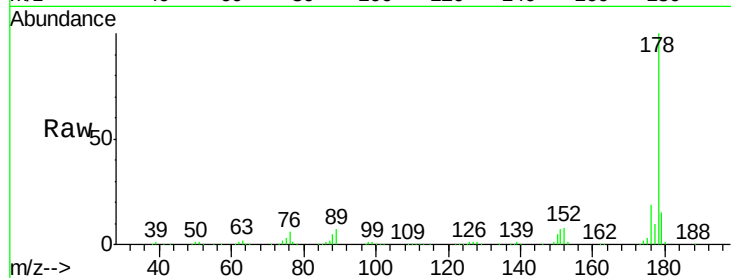




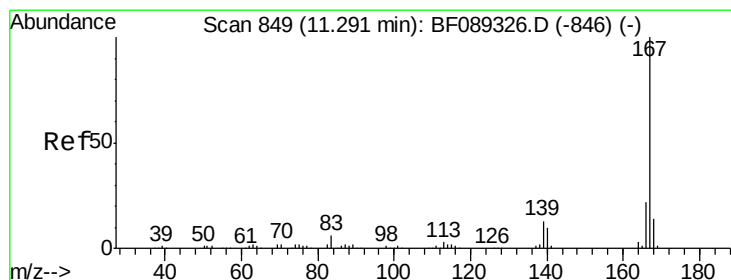
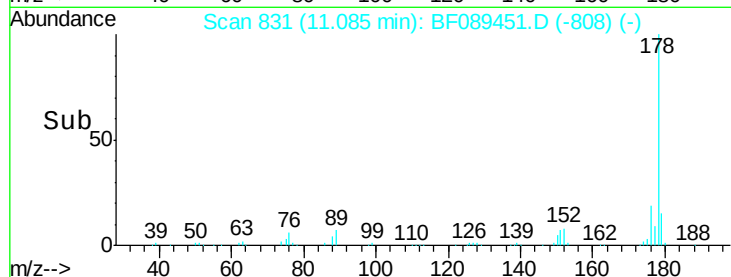
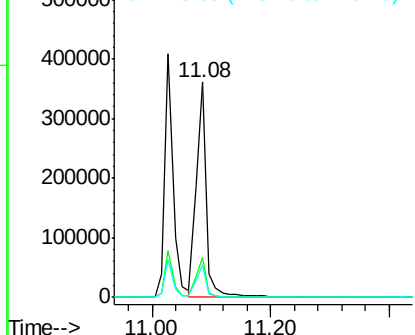
#71  
 Anthracene  
 Concen: 44.54 ng  
 RT: 11.08 min Scan# 831  
 Delta R.T. -0.03 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:178 Resp: 435940  
 Ion Ratio Lower Upper  
 178 100  
 176 18.8 14.8 22.2  
 179 15.3 12.6 18.8

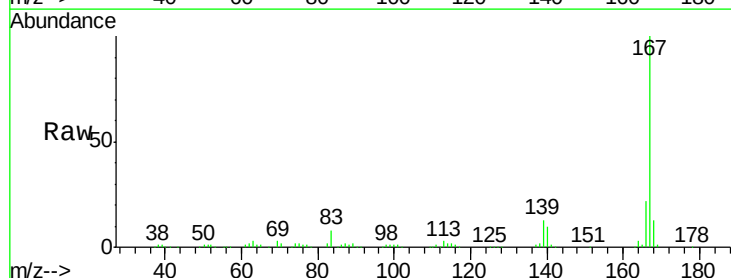


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

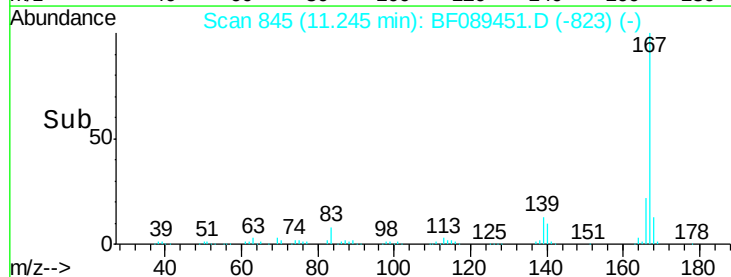
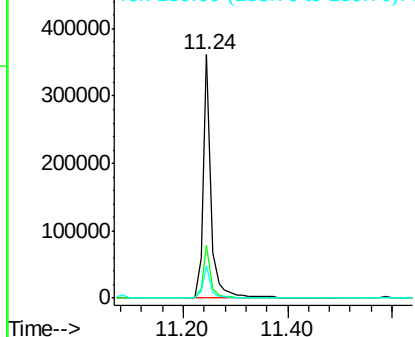


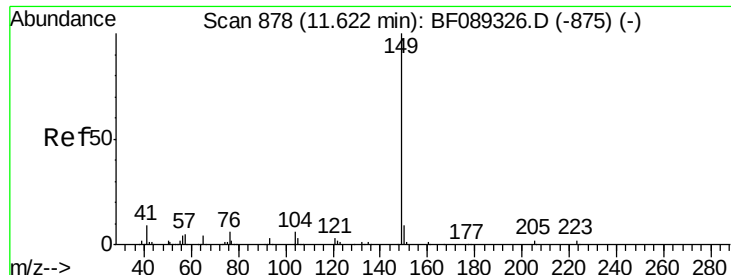
#72  
 Carbazole  
 Concen: 46.57 ng  
 RT: 11.24 min Scan# 845  
 Delta R.T. -0.05 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Tgt Ion:167 Resp: 383700  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.6 26.4  
 139 13.5 10.1 15.1



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: 43.69 ng

RT: 11.59 min Scan# 875

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

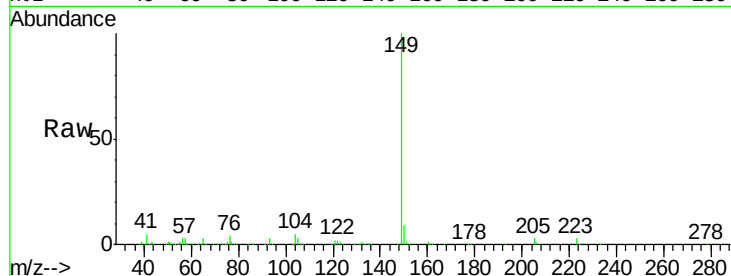
Tot Ion:149 Resp: 483003

Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.0

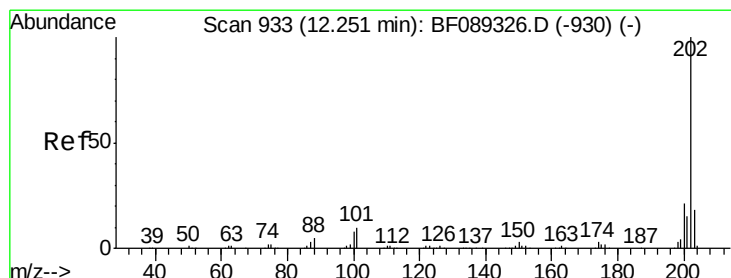
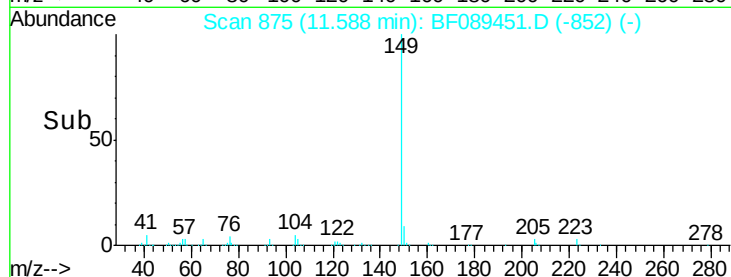
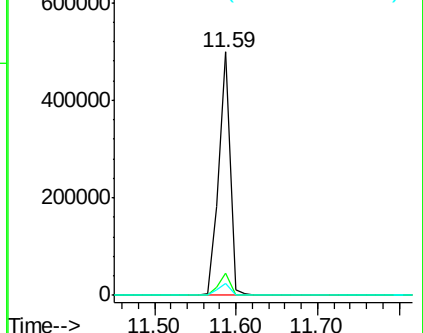
104 4.7 4.7 7.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.98 ng

RT: 12.20 min Scan# 929

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

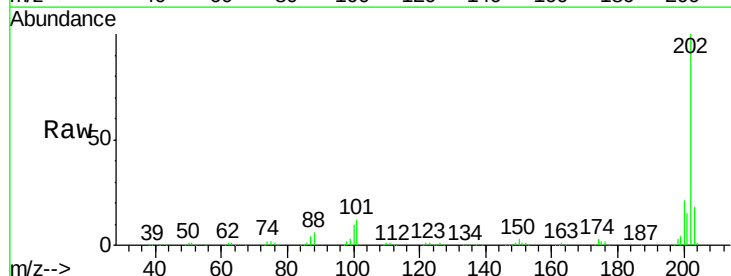
Tgt Ion:202 Resp: 388751

Ion Ratio Lower Upper

202 100

101 12.3 0.0 29.9

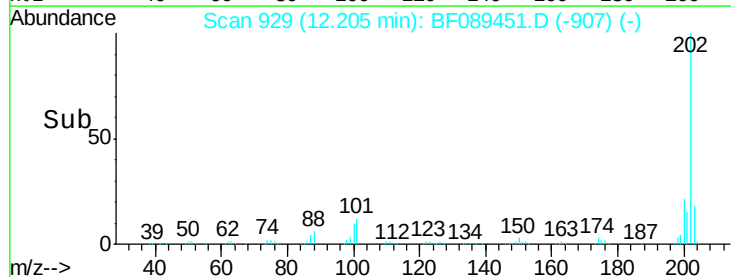
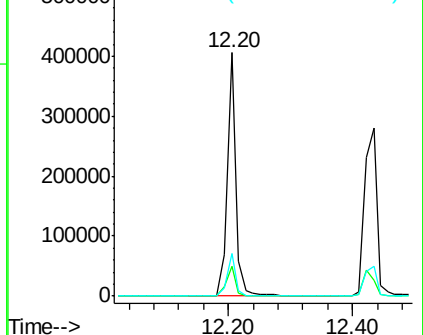
203 17.7 0.0 37.3



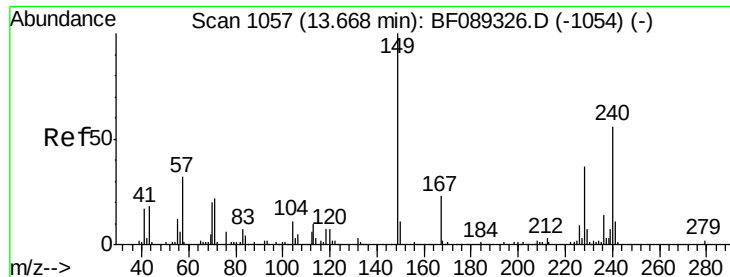
Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.62 min Scan# 1053

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

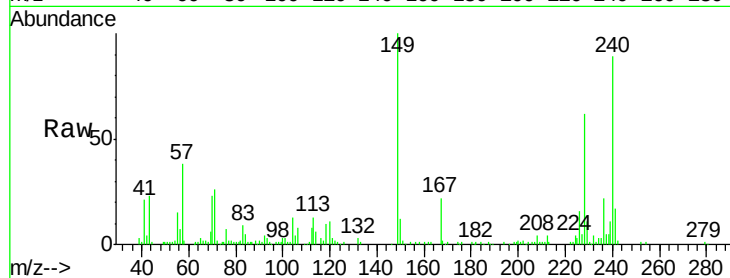
Tot Ion:240 Resp: 96943

Ion Ratio Lower Upper

240 100

120 12.3 9.1 13.7

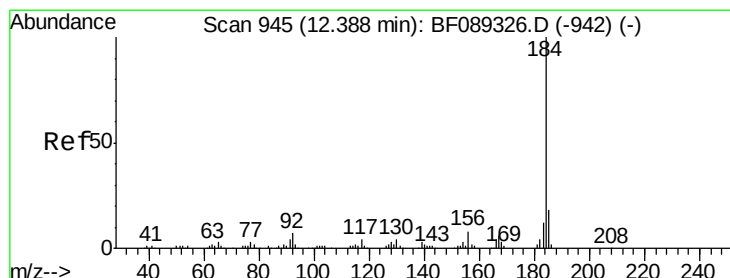
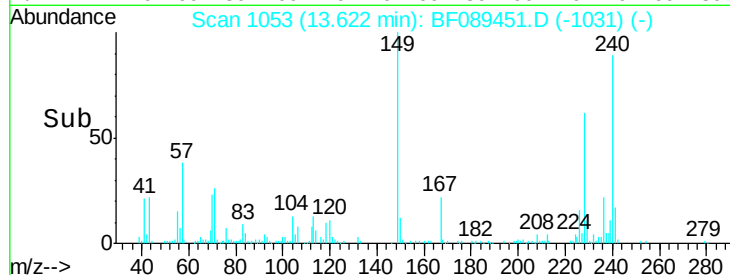
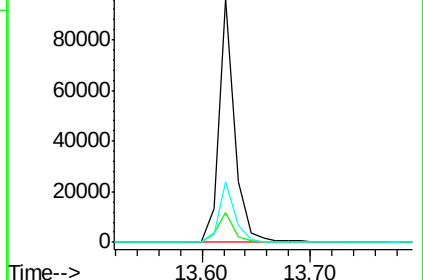
236 25.0 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 22.97 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.04 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

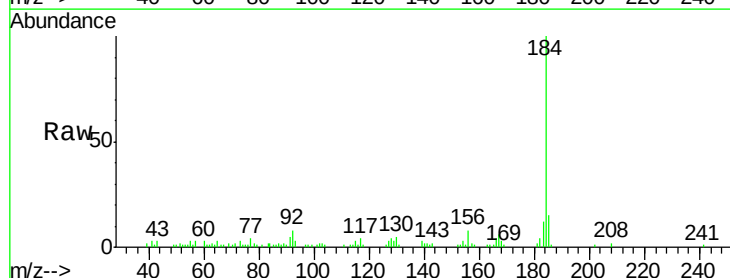
Tgt Ion:184 Resp: 82276

Ion Ratio Lower Upper

184 100

185 15.2 13.5 20.3

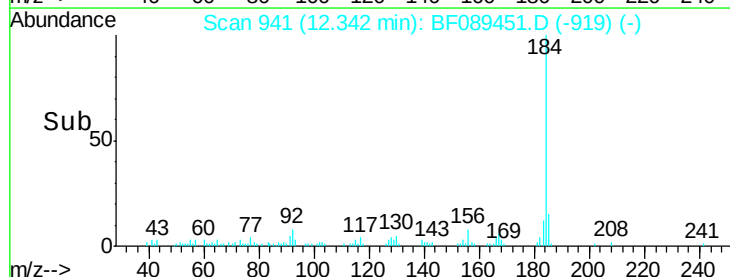
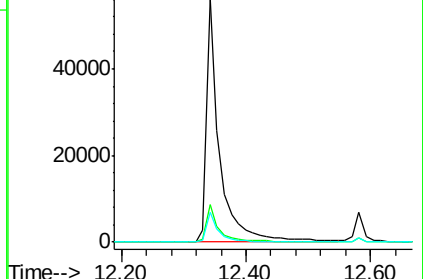
183 12.0 9.8 14.6

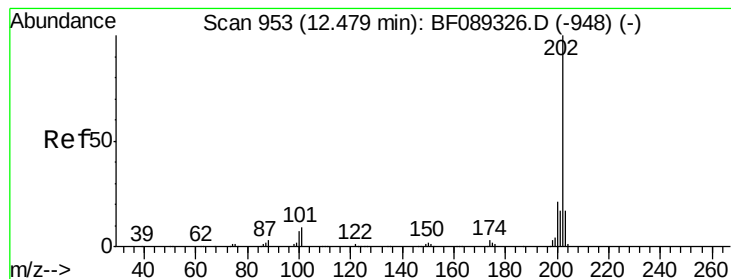


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 51.49 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

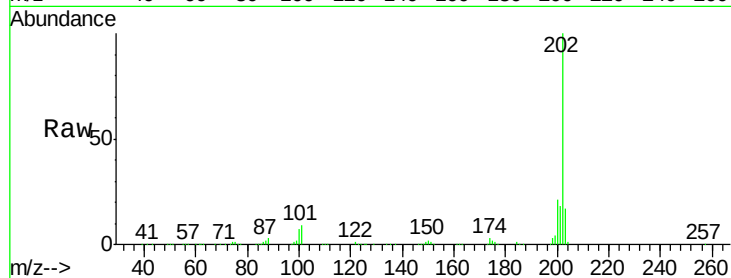
Tot Ion:202 Resp: 378324

Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

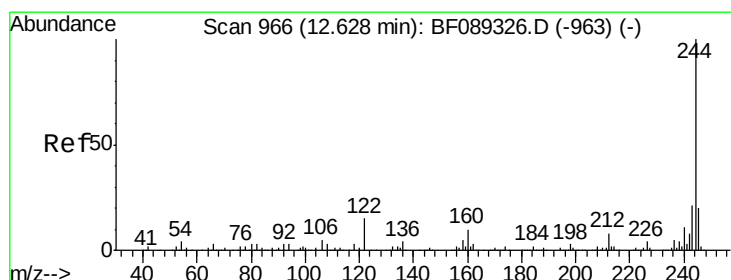
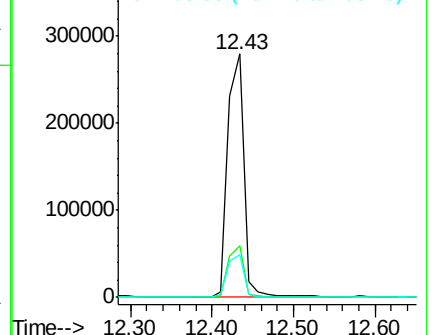
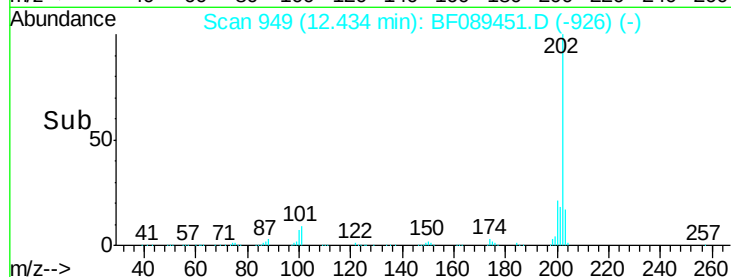
203 17.5 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 91.92 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

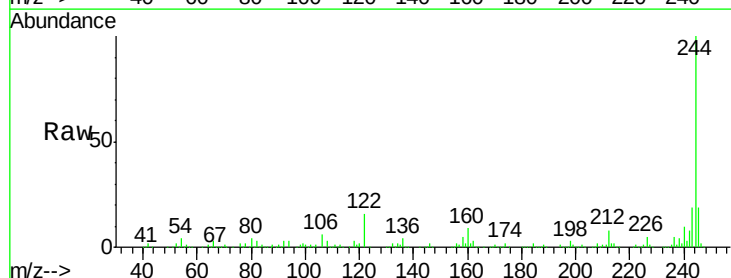
Tgt Ion:244 Resp: 380726

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

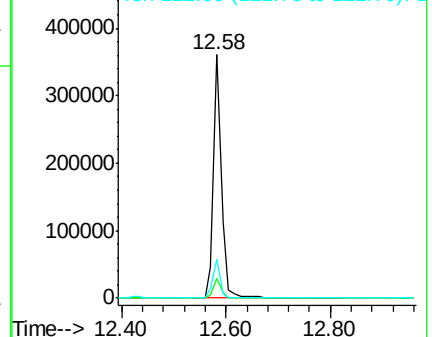
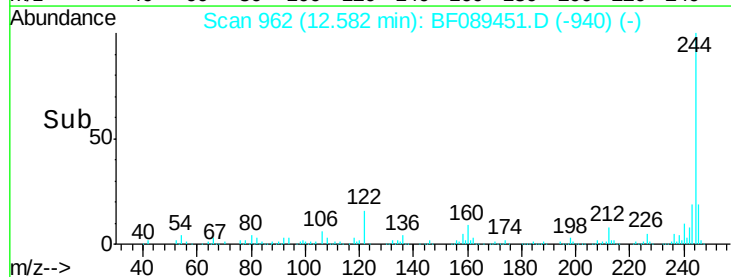
122 16.2 11.4 17.0

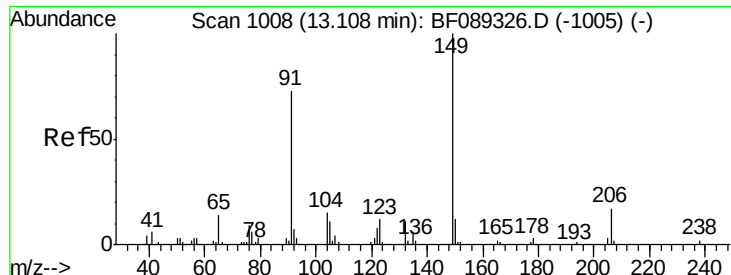


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 45.69 ng

RT: 13.06 min Scan# 1004

Delta R.T. -0.05 min

Lab File: BF089451.D

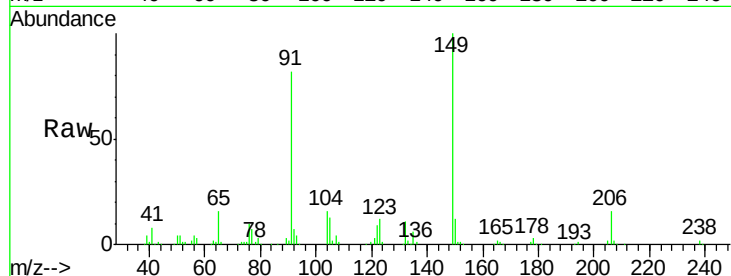
Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

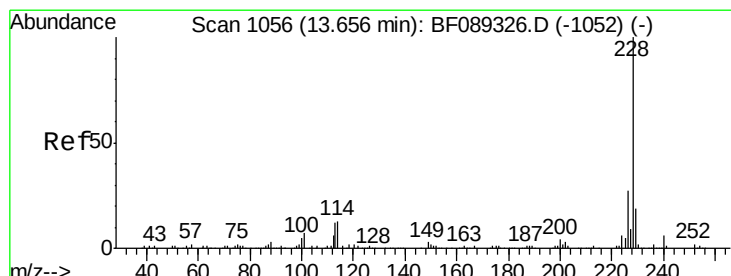
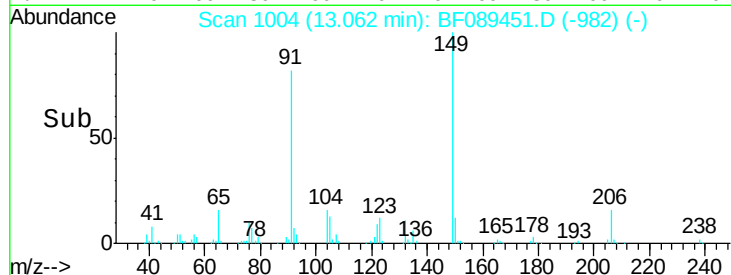
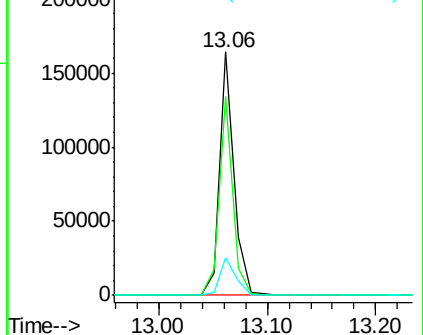
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 149   | Resp: | 152618 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 91       | 81.7  | 58.5  | 87.7   |
| 206      | 15.7  | 13.8  | 20.8   |



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: 45.43 ng

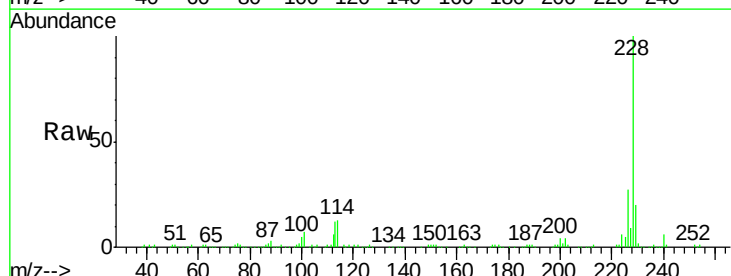
RT: 13.61 min Scan# 1052

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

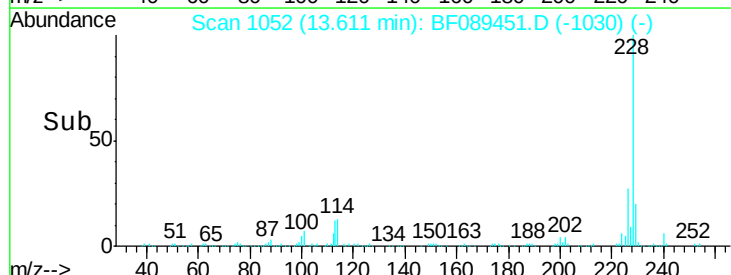
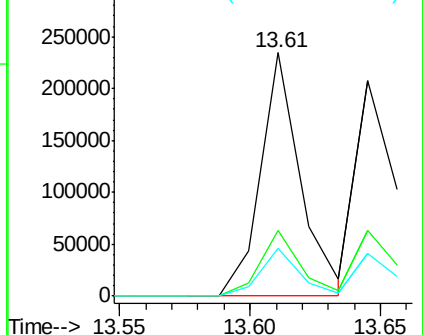
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 228   | Resp: | 248550 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 226      | 26.9  | 21.4  | 32.2   |
| 229      | 19.8  | 15.9  | 23.9   |

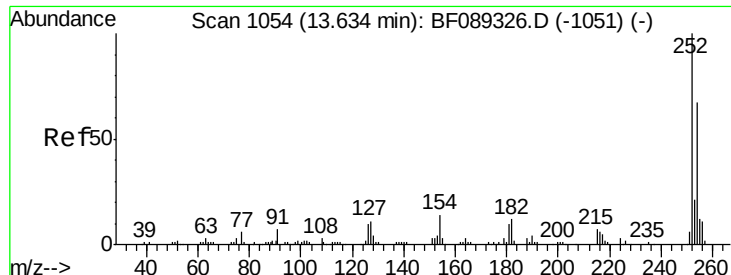


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

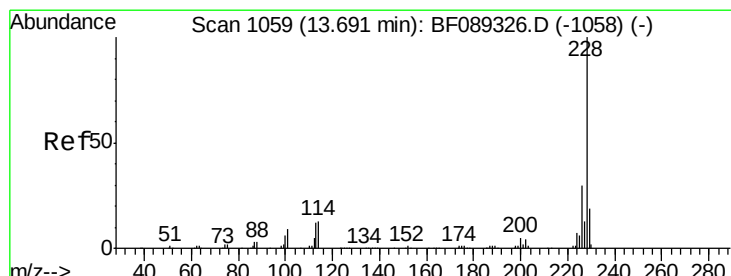
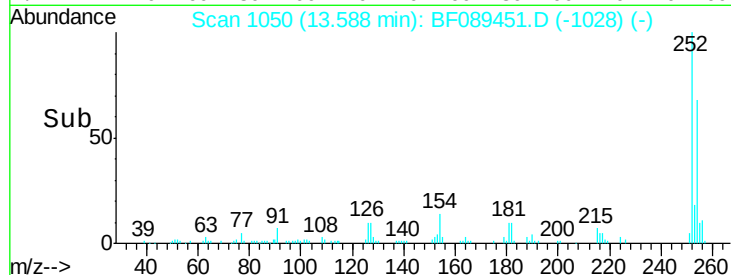
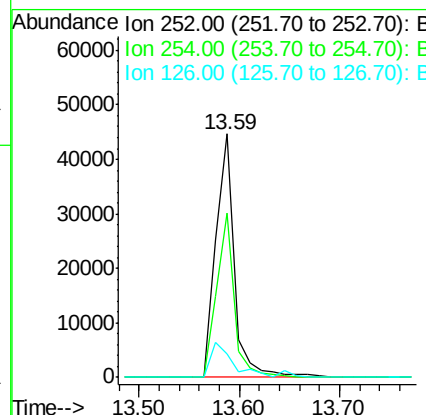
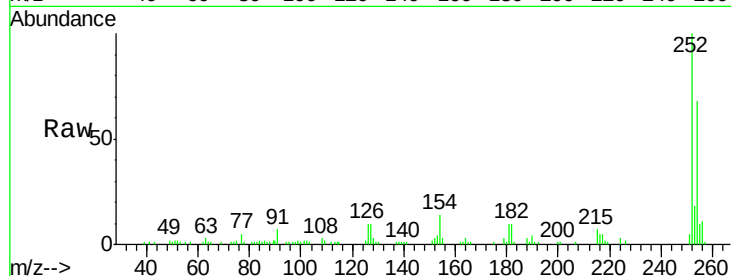




#81  
 3,3'-Dichlorobenzidine  
 Concen: 29.05 ng  
 RT: 13.59 min Scan# 1050  
 Delta R.T. -0.05 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

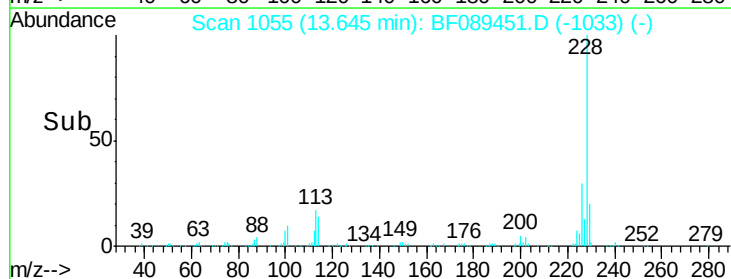
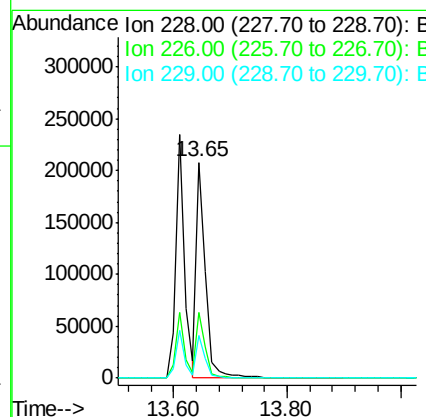
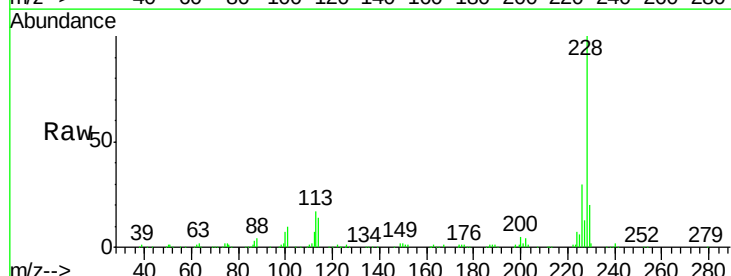
Instrument :  
 BNA\_F  
 ClientSampleId :

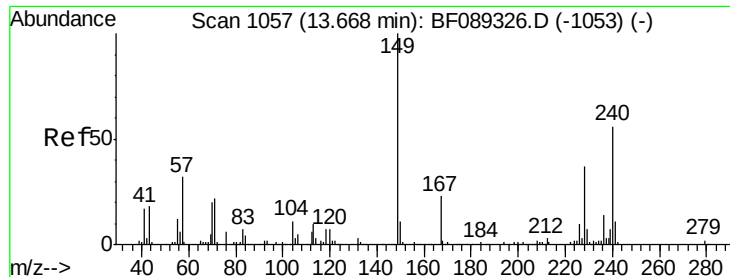
Tot Ion:252 Resp: 57192  
 Ion Ratio Lower Upper  
 252 100  
 254 67.5 52.5 78.7  
 126 9.6 7.4 11.2



#82  
 Chrysene  
 Concen: 41.40 ng  
 RT: 13.65 min Scan# 1055  
 Delta R.T. -0.05 min  
 Lab File: BF089451.D  
 Acq: 30 Jul 2016 14:13

Tgt Ion:228 Resp: 241091  
 Ion Ratio Lower Upper  
 228 100  
 226 30.4 24.2 36.2  
 229 19.8 15.9 23.9





#83

Bis(2-ethylhexyl)phthalate

Concen: 41.26 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :

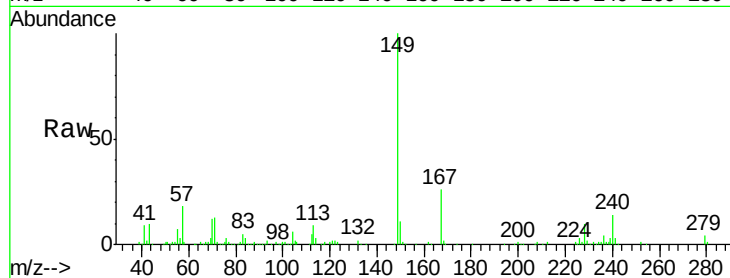
Tot Ion:149 Resp: 199241

Ion Ratio Lower Upper

149 100

167 26.0 18.8 28.2

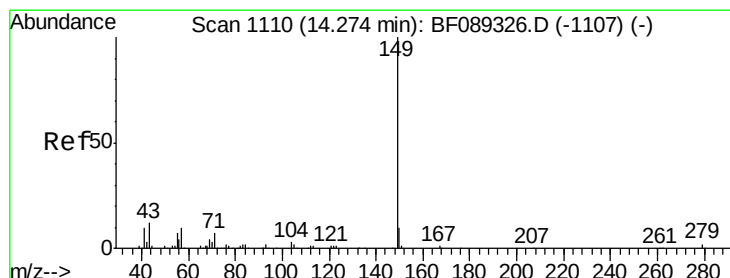
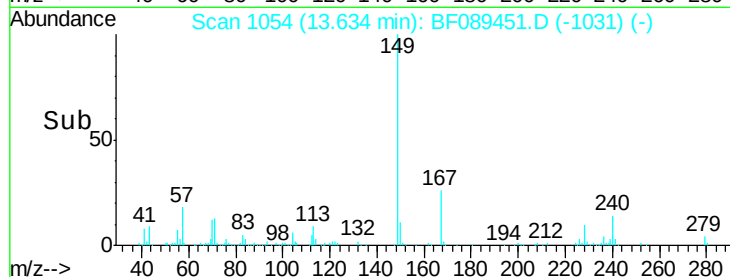
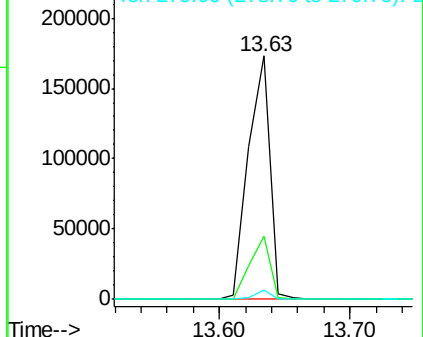
279 3.9 1.4 2.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 42.93 ng

RT: 14.24 min Scan# 1107

Delta R.T. -0.03 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

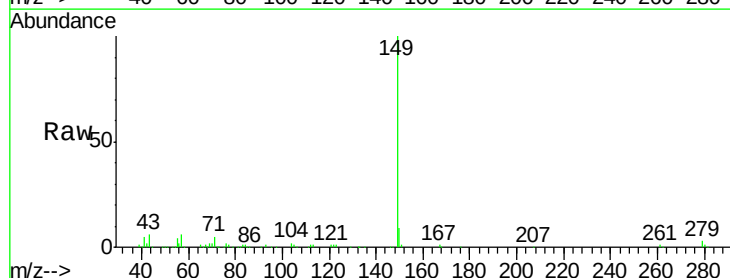
Tgt Ion:149 Resp: 323445

Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

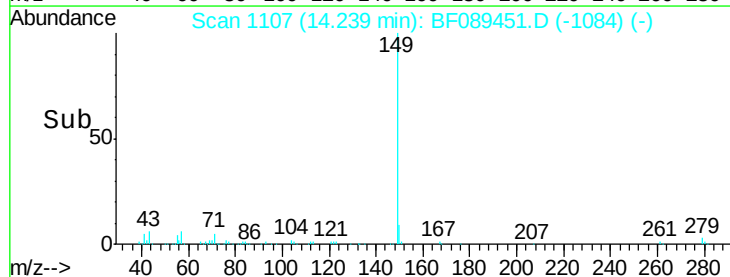
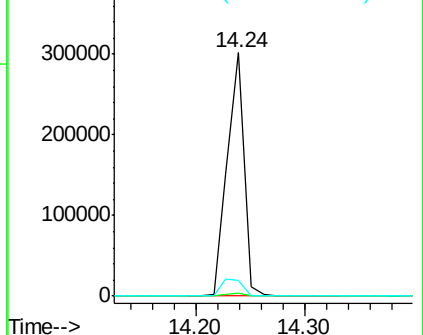
43 8.7 7.3 10.9

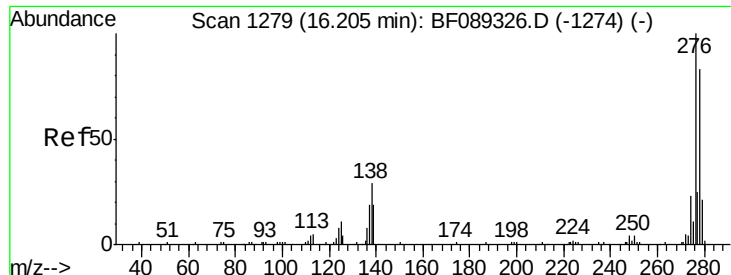


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

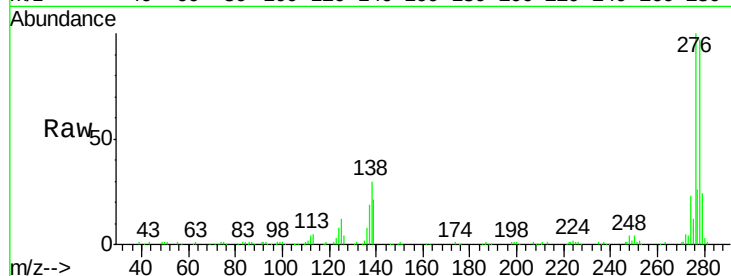




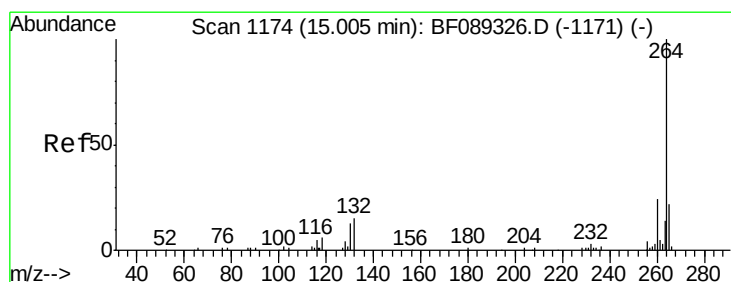
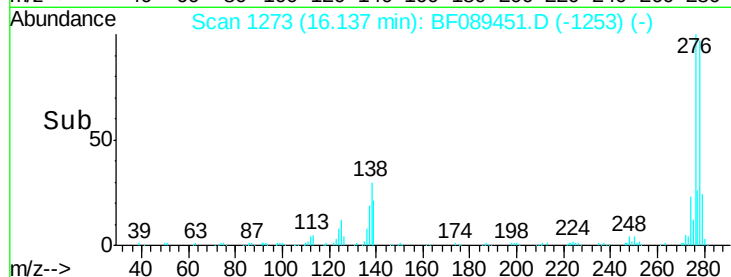
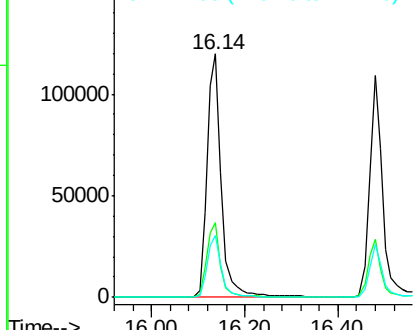
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 63.00 ng  
RT: 16.14 min Scan# 1273  
Delta R.T. -0.07 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:276 Resp: 260853  
Ion Ratio Lower Upper  
276 100  
138 29.7 23.0 34.4  
277 25.2 20.2 30.4

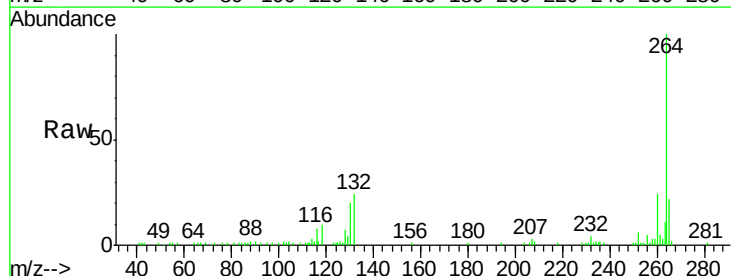


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

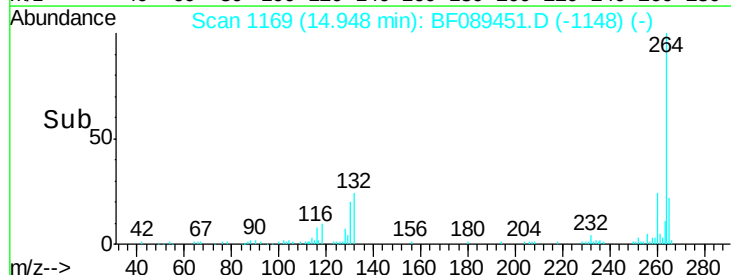
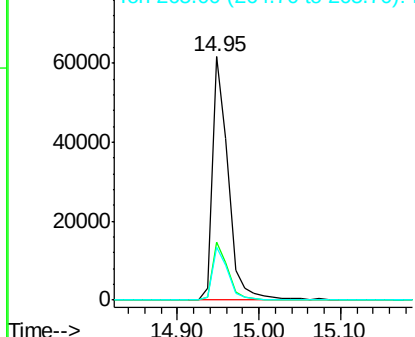


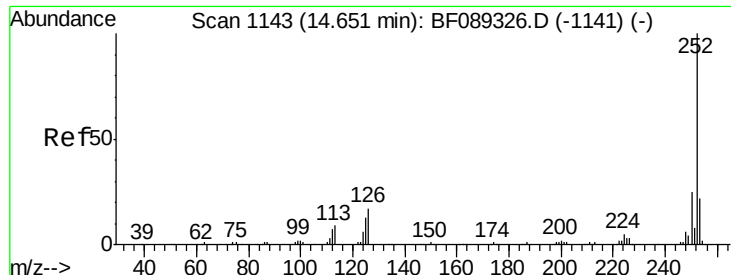
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 14.95 min Scan# 1169  
Delta R.T. -0.06 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Tgt Ion:264 Resp: 83505  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.0 28.4  
265 21.8 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

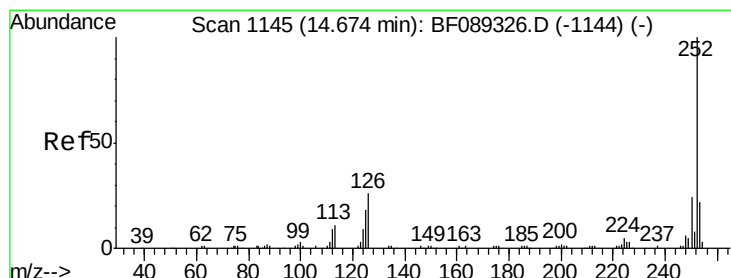
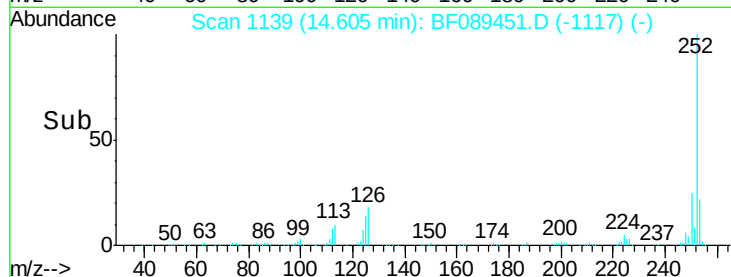
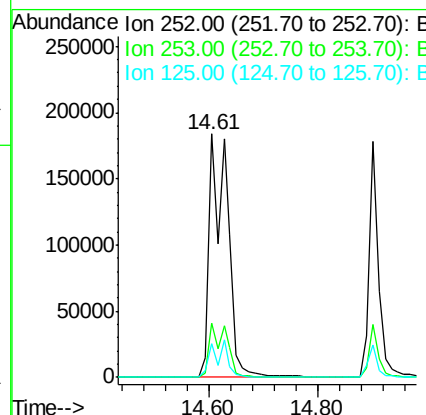
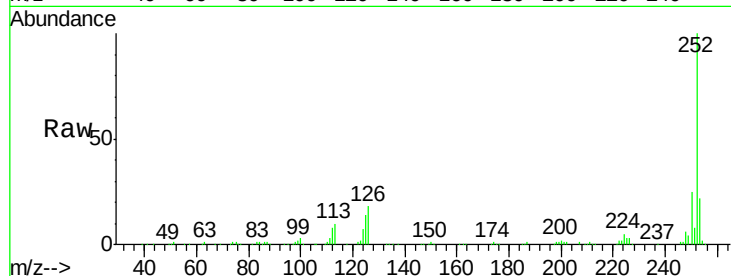




#87  
Benzo(b)fluoranthene  
Concen: 83.46 ng  
RT: 14.61 min Scan# 1139  
Delta R.T. -0.05 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

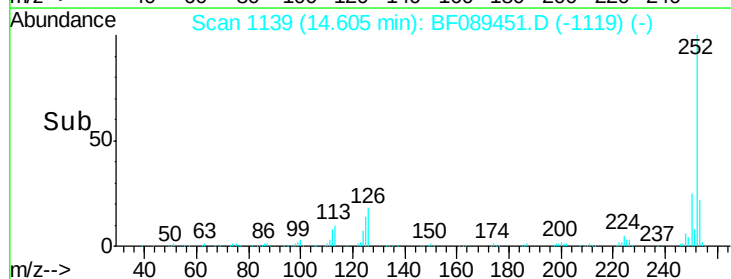
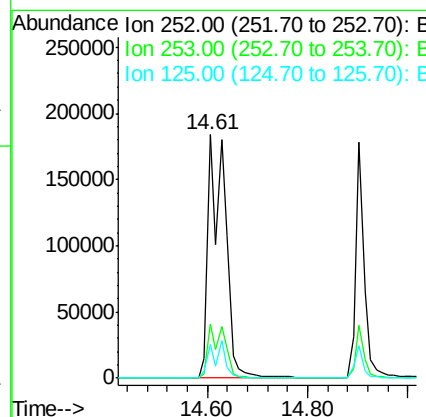
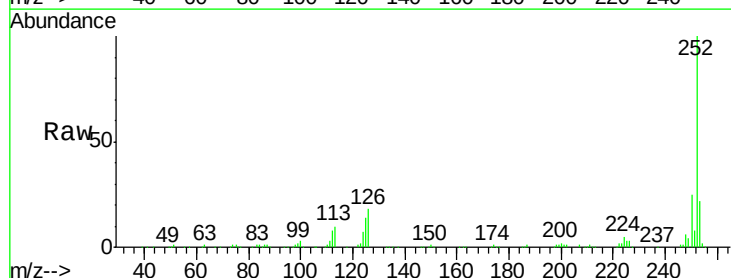
Instrument :  
BNA\_F  
ClientSampleId :

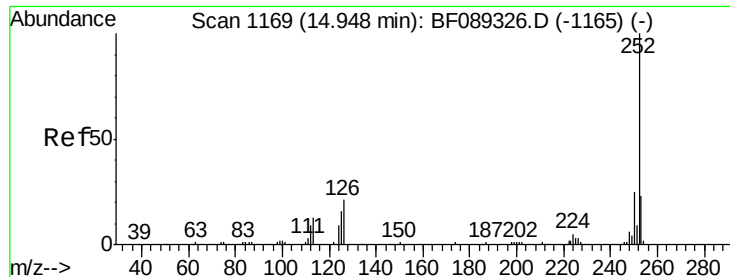
Tot Ion:252 Resp: 432823  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.2 25.8  
125 14.0 9.7 14.5



#88  
Benzo(k)fluoranthene  
Concen: 90.89 ng  
RT: 14.61 min Scan# 1139  
Delta R.T. -0.07 min  
Lab File: BF089451.D  
Acq: 30 Jul 2016 14:13

Tgt Ion:252 Resp: 433358  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.8 26.8  
125 14.0 10.7 16.1





#89

Benzo(a)pyrene

Concen: 46.18 ng

RT: 14.90 min Scan# 1165

Delta R.T. -0.05 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampled :

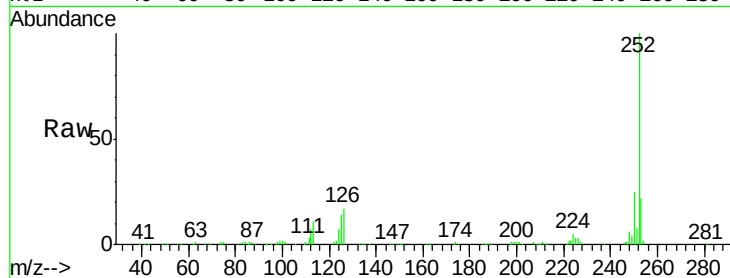
Tot Ion:252 Resp: 214848

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

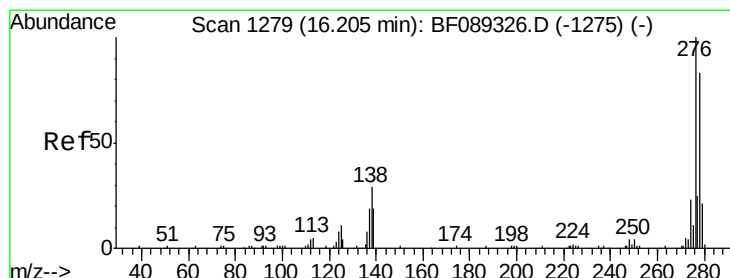
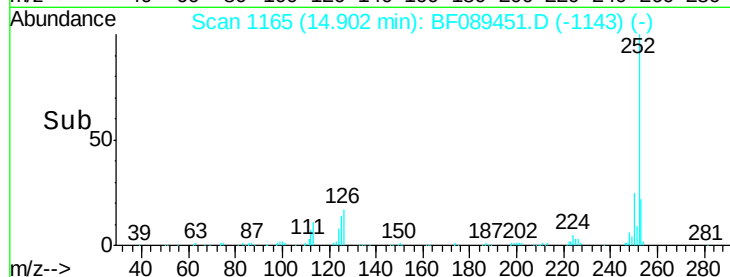
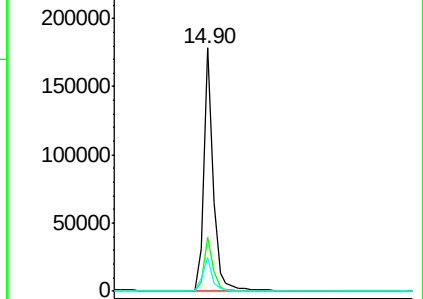
125 13.7 12.4 18.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 58.92 ng

RT: 16.14 min Scan# 1273

Delta R.T. -0.07 min

Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

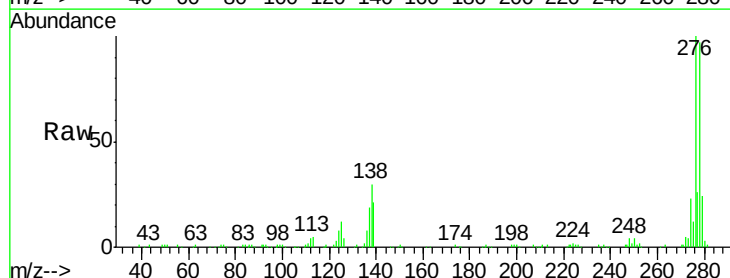
Tgt Ion:278 Resp: 215928

Ion Ratio Lower Upper

278 100

139 21.2 16.3 24.5

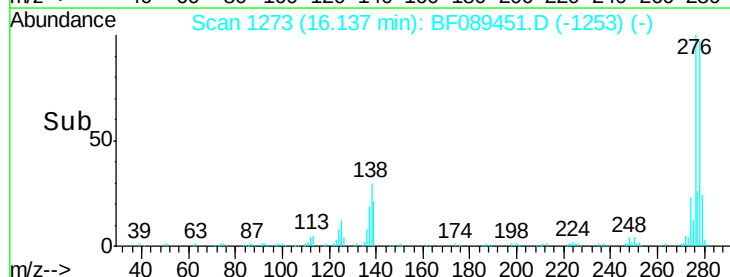
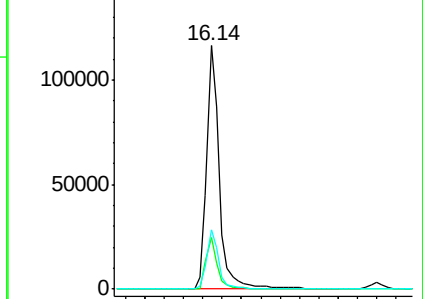
279 24.2 19.1 28.7



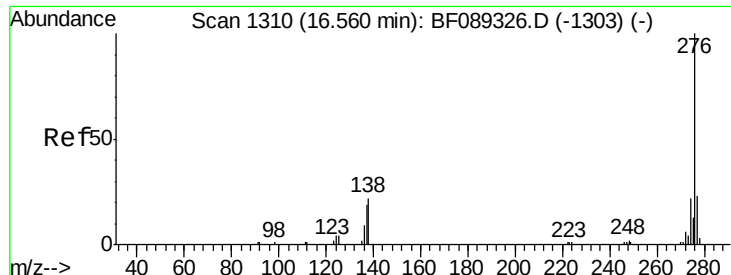
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E







#91

Benzo(a,h,i)perylene

Concen: 61.65 ng

RT: 16.48 min Scan# 1303

Delta R.T. -0.07 min

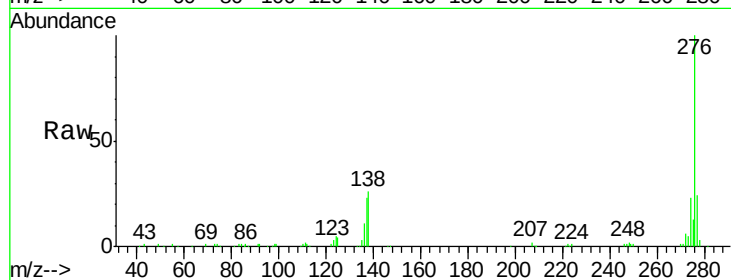
Lab File: BF089451.D

Acq: 30 Jul 2016 14:13

Instrument :

BNA\_F

ClientSampleId :



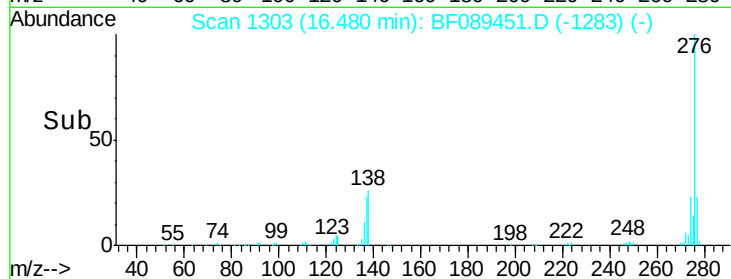
Tot Ion: 276 Resp: 222096

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 26.3 21.4 32.0



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

