

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\  
 Data File : BF088643.D  
 Acq On : 3 Jul 2016 12:10  
 Operator : UM/SJ  
 Sample : PB91727BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 04 04:54:15 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 30 18:01:55 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 106022   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.07  | 136  | 430801   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10      | 9.82  | 164  | 205753   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.30 | 188  | 421663   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.92 | 240  | 314147   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 15.31 | 264  | 315177   | 20.00 | ng    | -0.03    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.39  | 112 | 795102  | 112.39 | ng | -0.01 |
| 7) Phenol-d6                | 6.42  | 99  | 909350  | 99.48  | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.35  | 82  | 621173  | 75.56  | ng | -0.03 |
| 41) 2,4,6-Tribromophenol    | 10.60 | 330 | 231905  | 121.38 | ng | -0.03 |
| 44) 2-Fluorobiphenyl        | 9.15  | 172 | 1135308 | 87.16  | ng | -0.02 |
| 78) Terphenyl-d14           | 12.88 | 244 | 970079  | 68.78  | ng | -0.03 |

|                                |      |     |        |       |    |        |
|--------------------------------|------|-----|--------|-------|----|--------|
| Target Compounds               |      |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.42 | 88  | 102782 | 29.31 | ng | # 29   |
| 3) Pyridine                    | 3.10 | 79  | 143866 | 14.14 | ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.04 | 42  | 64794  | 16.66 | ng | 88     |
| 6) Aniline                     | 6.44 | 93  | 97576  | 7.32  | ng | 98     |
| 8) 2-Chlorophenol              | 6.57 | 128 | 162355 | 21.35 | ng | 90     |
| 9) Benzaldehyde                | 6.32 | 77  | 92115  | 14.88 | ng | # 78   |
| 10) Phenol                     | 6.43 | 94  | 236201 | 22.64 | ng | 87     |
| 11) bis(2-Chloroethyl)ether    | 6.52 | 93  | 162220 | 20.85 | ng | 85     |
| 12) 1,3-Dichlorobenzene        | 6.80 | 146 | 161222 | 19.27 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.80 | 146 | 161222 | 19.41 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146 | 149946 | 19.29 | ng | 97     |
| 15) Benzyl Alcohol             | 6.94 | 79  | 104031 | 15.46 | ng | 87     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45  | 206020 | 18.29 | ng | 85     |
| 17) 2-Methylphenol             | 7.04 | 107 | 128108 | 20.65 | ng | 96     |
| 18) Hexachloroethane           | 7.30 | 117 | 62416  | 19.43 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70  | 116110 | 18.91 | ng | 91     |
| 20) 3+4-Methylphenols          | 7.20 | 107 | 175946 | 23.64 | ng | 93     |
| 22) Acetophenone               | 7.19 | 105 | 217780 | 20.83 | ng | # 87   |
| 24) Nitrobenzene               | 7.36 | 77  | 170619 | 20.59 | ng | # 79   |
| 25) Isophorone                 | 7.61 | 82  | 323004 | 21.21 | ng | 97     |
| 26) 2-Nitrophenol              | 7.68 | 139 | 72201  | 21.24 | ng | 93     |
| 27) 2,4-Dimethylphenol         | 7.72 | 122 | 151654 | 21.42 | ng | 91     |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93  | 205679 | 20.76 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 7.93 | 162 | 130811 | 22.86 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 8.01 | 180 | 129670 | 20.65 | ng | 100    |
| 31) Naphthalene                | 8.09 | 128 | 476375 | 22.43 | ng | 99     |
| 32) Benzoic acid               | 7.83 | 122 | 83082  | 16.16 | ng | 96     |
| 33) 4-Chloroaniline            | 8.14 | 127 | 76492  | 8.09  | ng | 96     |
| 34) Hexachlorobutadiene        | 8.22 | 225 | 72036  | 21.43 | ng | 99     |
| 35) Caprolactam                | 8.48 | 113 | 18542  | 9.54  | ng | 89     |
| 36) 4-Chloro-3-methylphenol    | 8.63 | 107 | 154495 | 22.84 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.78 | 142 | 301349 | 22.04 | ng | # 96   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.95 | 216 | 118200 | 17.27 | ng | # 1    |
| 40) Hexachlorocyclopentadiene  | 8.94 | 237 | 205778 | 61.26 | ng | 99     |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.06  | 196  | 90066    | 19.96 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.10  | 196  | 91169    | 23.48 | nq    | # 86     |
| 45) 1,1'-Biphenyl              | 9.24  | 154  | 374703   | 21.99 | nq    | 100      |
| 46) 2-Chloronaphthalene        | 9.27  | 162  | 291666   | 21.81 | nq    | 99       |
| 47) 2-Nitroaniline             | 9.36  | 65   | 97701    | 20.58 | nq    | 96       |
| 48) Acenaphthylene             | 9.68  | 152  | 456668   | 21.46 | nq    | 100      |
| 49) Dimethylphthalate          | 9.54  | 163  | 326177   | 22.25 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.60  | 165  | 72903    | 22.44 | nq    | # 38     |
| 51) Acenaphthene               | 9.85  | 154  | 325357   | 24.94 | nq    | 98       |
| 52) 3-Nitroaniline             | 9.77  | 138  | 56922    | 13.78 | nq    | 91       |
| 53) 2,4-Dinitrophenol          | 9.87  | 184  | 98756    | 68.84 | nq    | # 84     |
| 54) Dibenzofuran               | 10.02 | 168  | 392299   | 22.98 | nq    | # 89     |
| 55) 4-Nitrophenol              | 9.94  | 139  | 210968   | 67.22 | nq    | # 71     |
| 56) 2,4-Dinitrotoluene         | 10.01 | 165  | 99762    | 23.49 | nq    | 94       |
| 57) Fluorene                   | 10.36 | 166  | 314494   | 23.90 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.15 | 232  | 77239    | 25.72 | nq    | # 55     |
| 59) Diethylphthalate           | 10.25 | 149  | 362414   | 24.64 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204  | 143935   | 23.54 | nq    | 92       |
| 61) 4-Nitroaniline             | 10.38 | 138  | 74875    | 18.84 | nq    | 85       |
| 62) Azobenzene                 | 10.52 | 77   | 404645   | 24.11 | nq    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 10.41 | 198  | 50629    | 22.45 | nq    | 82       |
| 65) n-Nitrosodiphenylamine     | 10.48 | 169  | 289768   | 20.30 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.84 | 248  | 82976    | 19.53 | nq    | # 74     |
| 67) Hexachlorobenzene          | 10.91 | 284  | 98802    | 21.00 | nq    | # 86     |
| 68) Atrazine                   | 11.00 | 200  | 83563    | 18.79 | nq    | 92       |
| 69) Pentachlorophenol          | 11.11 | 266  | 171193   | 61.50 | nq    | 97       |
| 70) Phenanthrene               | 11.33 | 178  | 522643   | 22.67 | nq    | 98       |
| 71) Anthracene                 | 11.37 | 178  | 479288   | 20.91 | nq    | 99       |
| 72) Carbazole                  | 11.53 | 167  | 461586   | 21.40 | nq    | 97       |
| 73) Di-n-butylphthalate        | 11.87 | 149  | 536594   | 21.39 | nq    | # 97     |
| 74) Fluoranthene               | 12.50 | 202  | 503428   | 21.54 | nq    | 99       |
| 76) Benzidine                  | 12.63 | 184  | 58436    | 3.68  | nq    | 99       |
| 77) Pyrene                     | 12.73 | 202  | 534647   | 20.07 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.36 | 149  | 241436   | 20.32 | nq    | 92       |
| 80) Benzo(a)anthracene         | 13.91 | 228  | 423298   | 20.93 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.87 | 252  | 94756    | 12.46 | nq    | # 92     |
| 82) Chrysene                   | 13.95 | 228  | 421389   | 21.06 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149  | 294617   | 21.72 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.53 | 149  | 532998   | 23.13 | nq    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 16.65 | 276  | 355964   | 23.12 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 14.93 | 252  | 781758   | 39.54 | nq    | # 98     |
| 88) Benzo(k)fluoranthene       | 14.93 | 252  | 781758   | 45.42 | nq    | # 96     |
| 89) Benzo(a)pyrene             | 15.26 | 252  | 366560   | 21.90 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.66 | 278  | 297425   | 21.28 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 17.05 | 276  | 285103   | 19.71 | nq    | 94       |

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

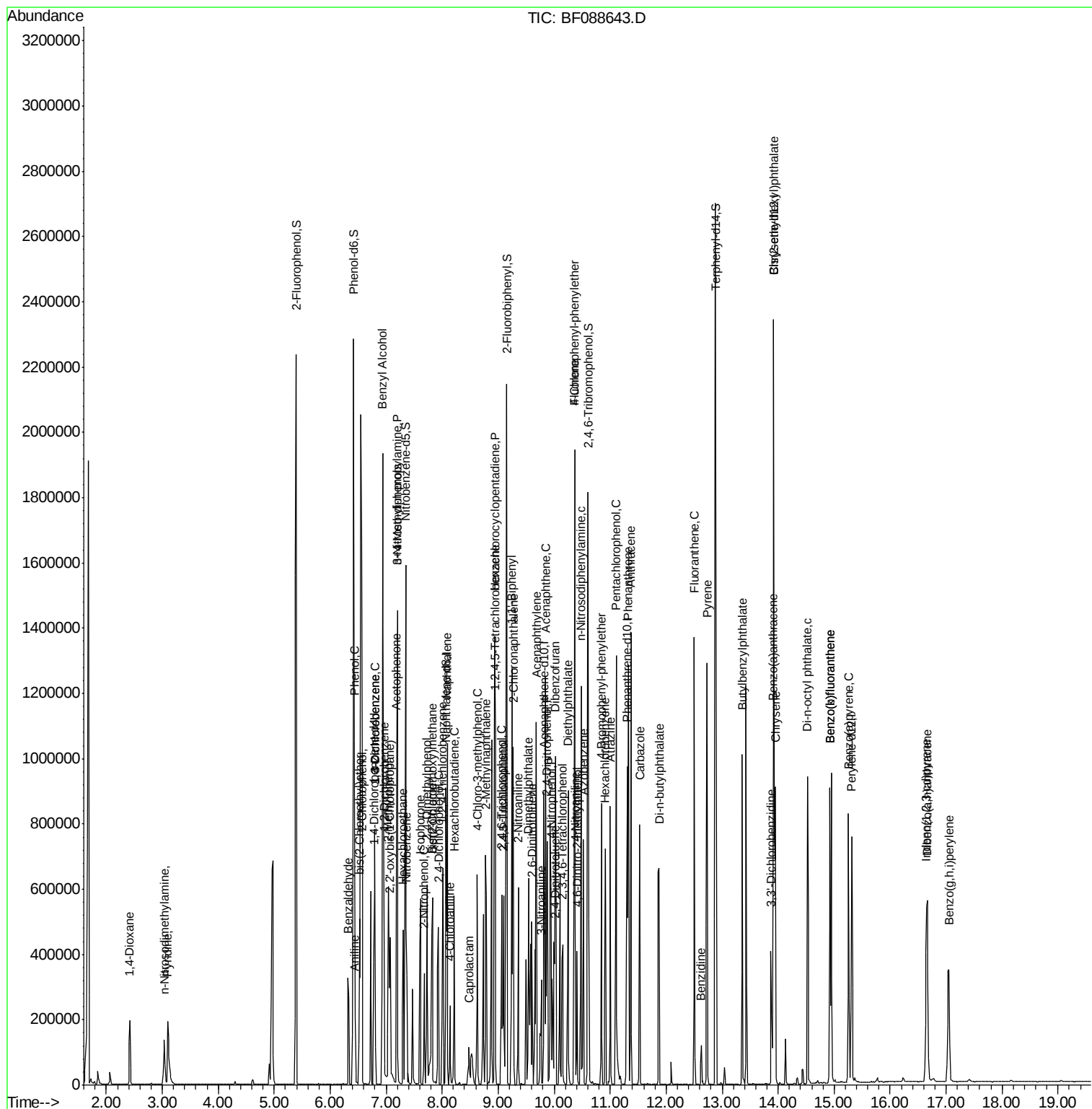
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Sample    : PB91727BS
Misc      :
ALS Vial  : 8 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 30 18:01:55 2016  
Response via : Initial Calibration



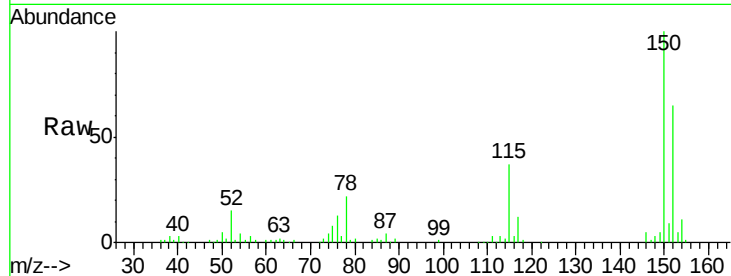


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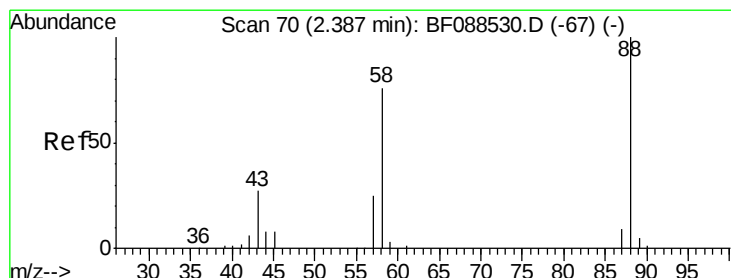
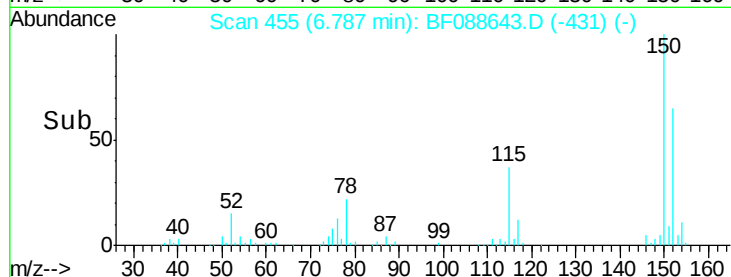
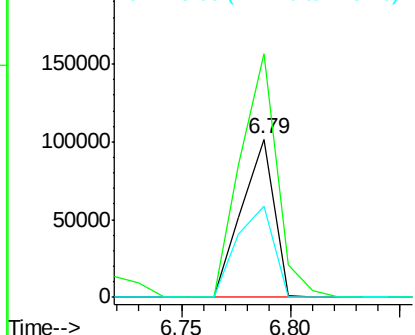
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.79 min Scan# 455  
Delta R.T. -0.02 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 106022  
Ion Ratio Lower Upper  
152 100  
150 154.1 123.8 185.6  
115 57.6 39.6 59.4



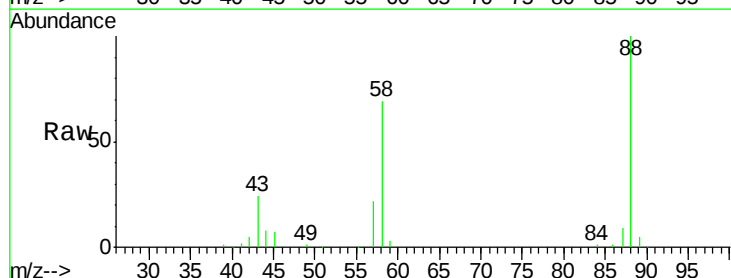
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



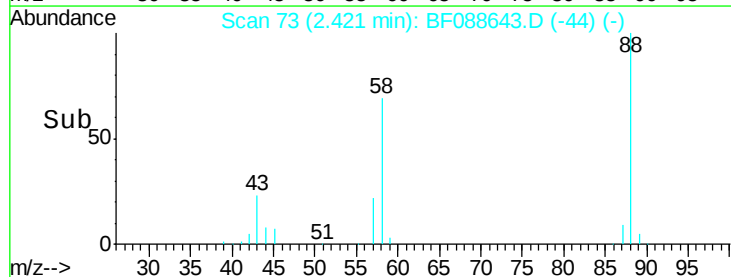
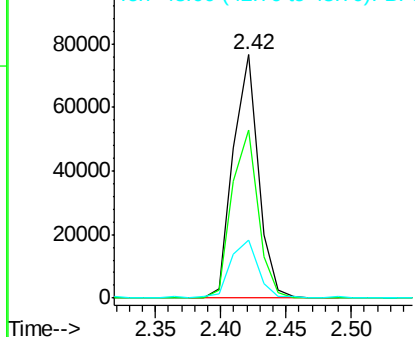
#2

1,4-Dioxane  
Concen: 29.31 ng  
RT: 2.42 min Scan# 73  
Delta R.T. 0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion: 88 Resp: 102782  
Ion Ratio Lower Upper  
88 100  
58 71.4 0.0 0.0#  
43 27.7 3.4 5.2#



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





#3

Pvridine

Concen: 14.14 ng

RT: 3.10 min Scan# 132

Delta R.T. 0.01 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Instrument :

BNA\_F

ClientSampleId :

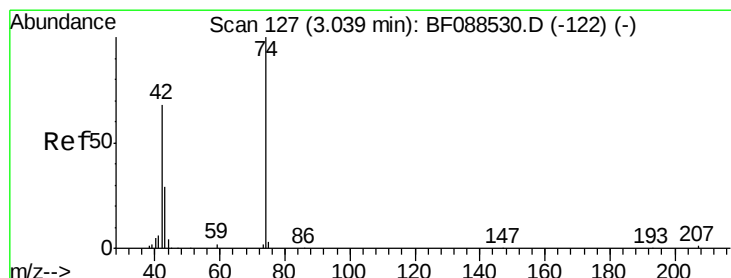
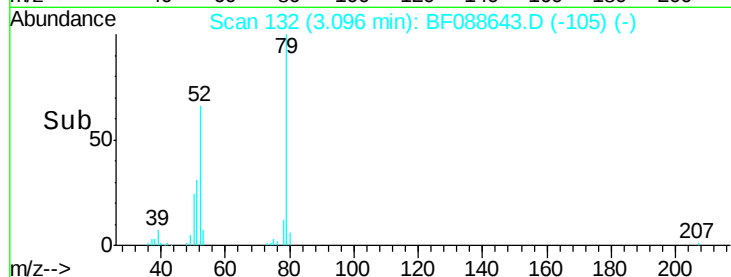
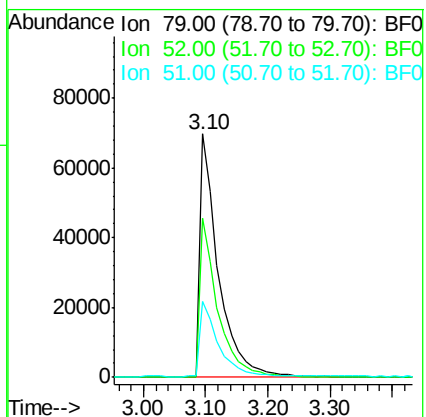
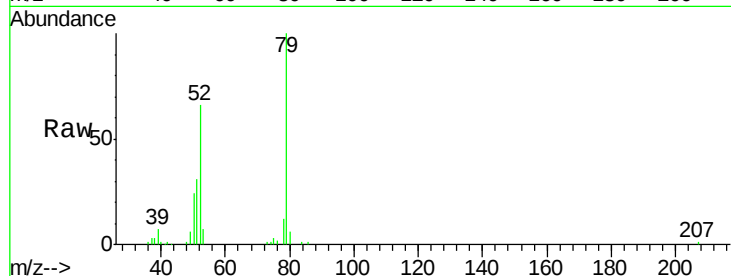
Tot Ion: 79 Resp: 143866

Ion Ratio Lower Upper

79 100

52 65.6 56.3 84.5

51 31.3 27.4 41.2



#4

n-Nitrosodimethylamine

Concen: 16.66 ng

RT: 3.04 min Scan# 127

Delta R.T. -0.00 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

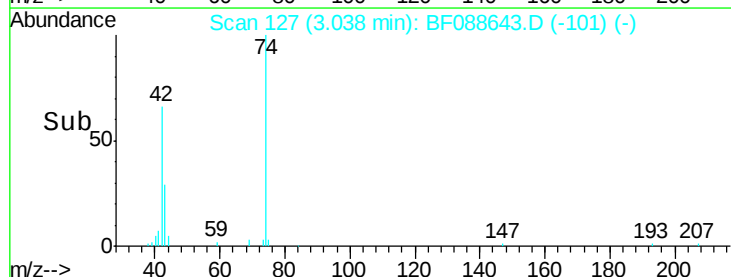
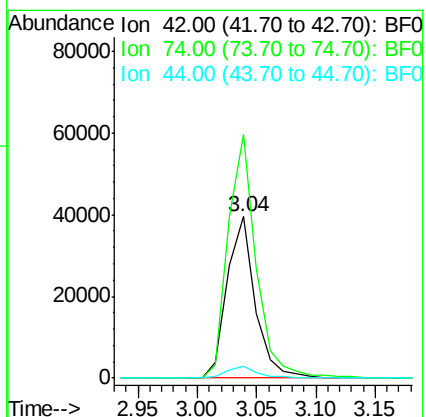
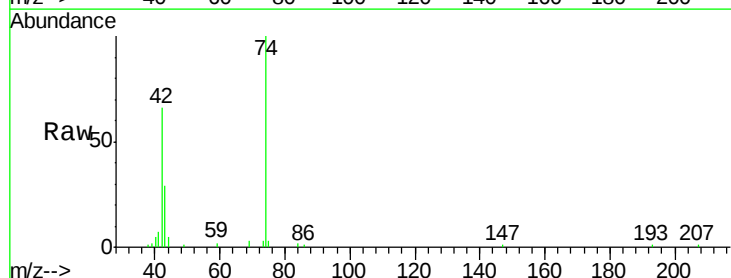
Tgt Ion: 42 Resp: 64794

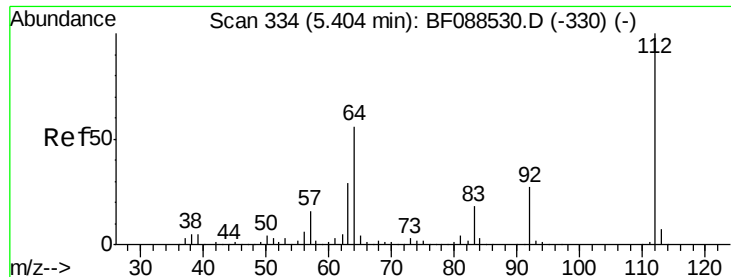
Ion Ratio Lower Upper

42 100

74 150.9 108.6 163.0

44 7.4 5.5 8.3





#5

2-Fluorophenol

Concen: 112.39 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.01 min

Lab File: BF088643.D

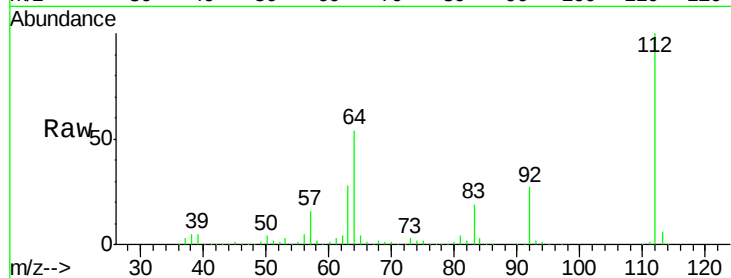
Acq: 3 Jul 2016 12:10

Instrument :

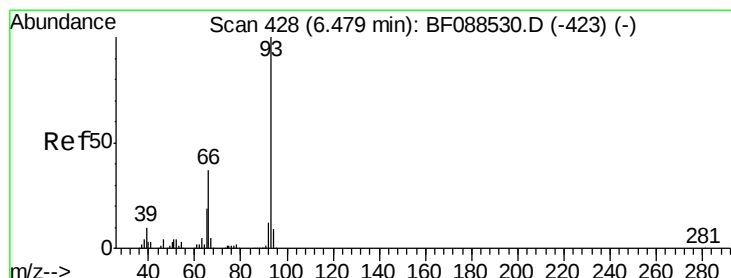
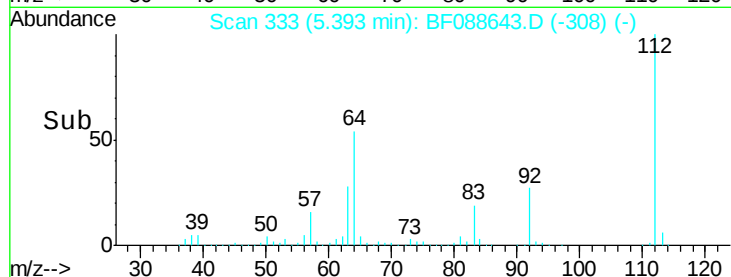
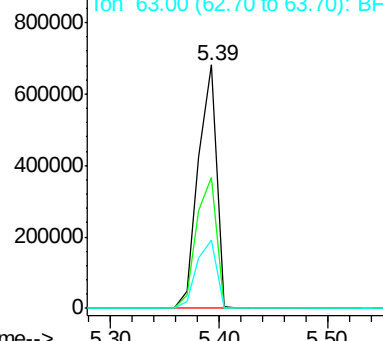
BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 795102 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 54.0  | 42.2  | 63.2   |
| 63       | 28.0  | 21.8  | 32.8   |



Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 7.32 ng

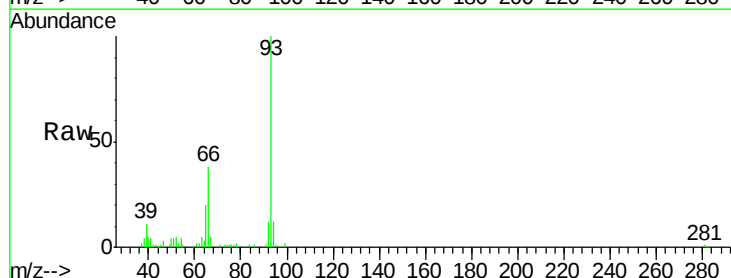
RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

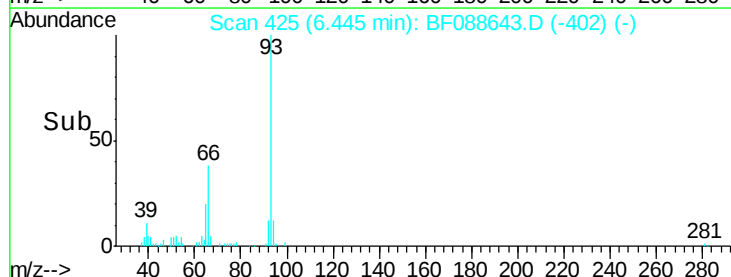
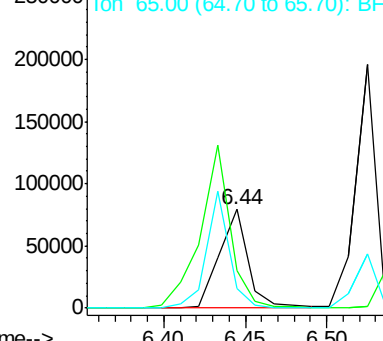
Lab File: BF088643.D

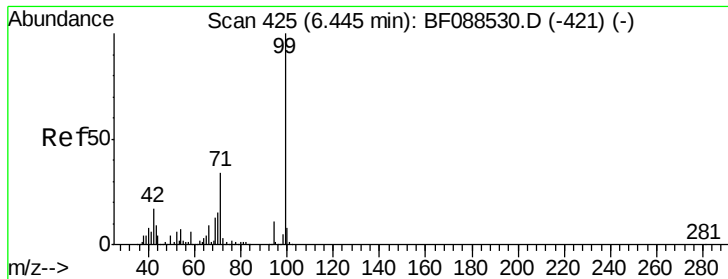
Acq: 3 Jul 2016 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 97576 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 38.1  | 29.8  | 44.8  |
| 65       | 19.7  | 14.9  | 22.3  |



Abundance Ion 93.00 (92.70 to 93.70): BF0





#7

Phenol-d6

Concen: 99.48 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

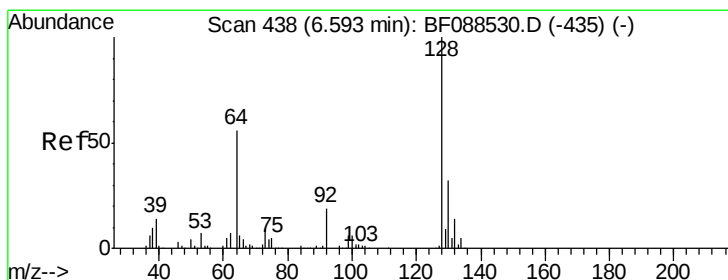
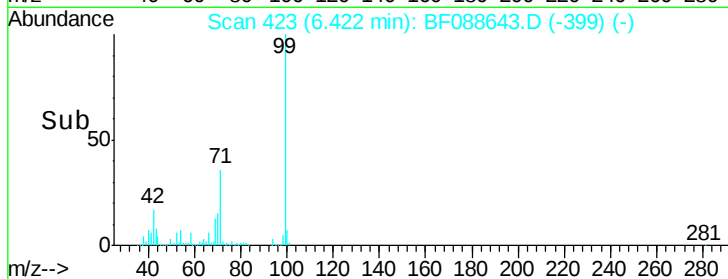
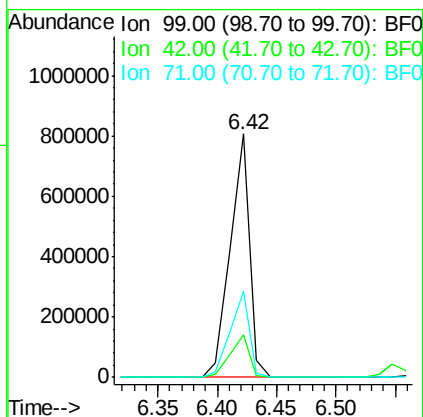
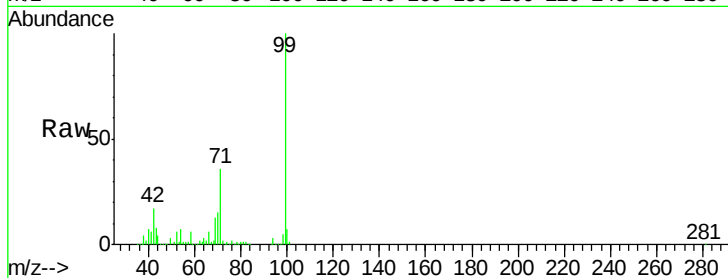
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 909350

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.4  | 12.2  | 18.2  |
| 71  | 35.6  | 23.4  | 35.0# |



#8

2-Chlorophenol

Concen: 21.35 ng

RT: 6.57 min Scan# 436

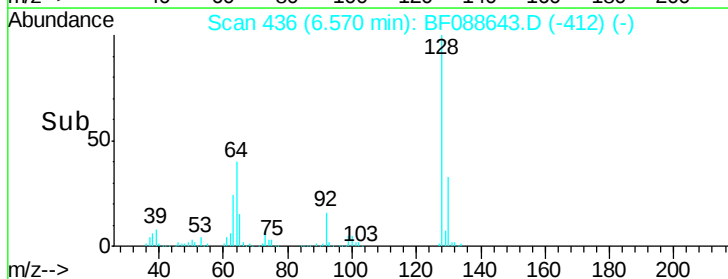
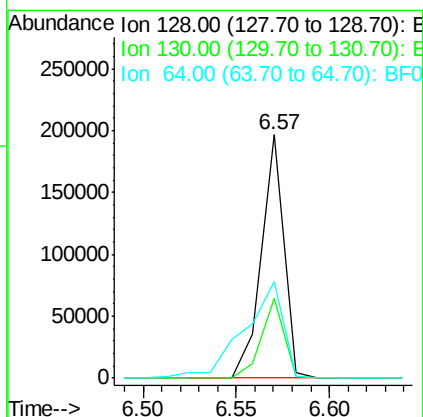
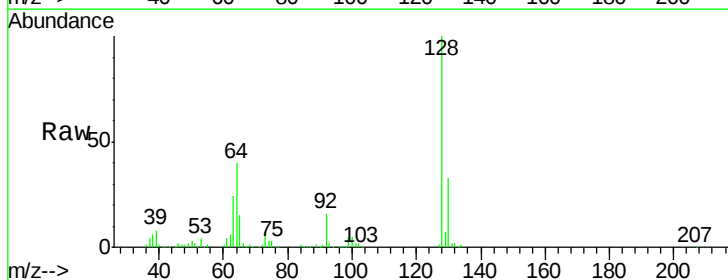
Delta R.T. -0.02 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Tgt Ion: 128 Resp: 162355

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.6  | 12.0  | 52.0  |
| 64  | 39.9  | 30.8  | 70.8  |





#9

Benzaldehyde

Concen: 14.88 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Instrument :

BNA\_F

ClientSampled :

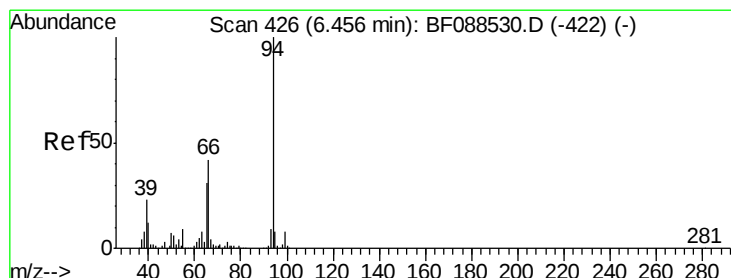
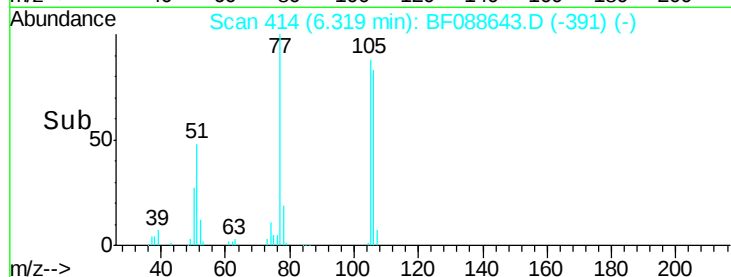
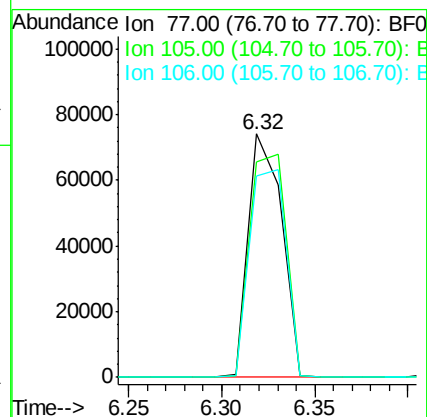
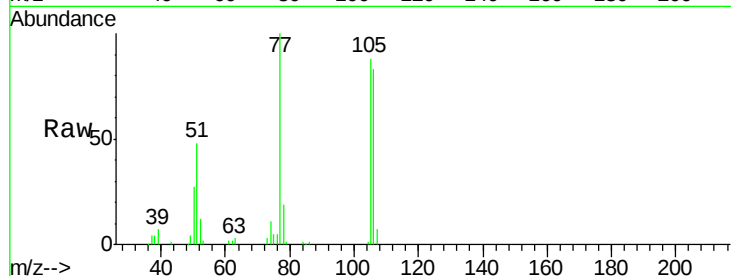
Tot Ion: 77 Resp: 92115

Ion Ratio Lower Upper

77 100

105 88.3 90.6 130.6#

106 82.6 85.3 125.3#



#10

Phenol

Concen: 22.64 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.02 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

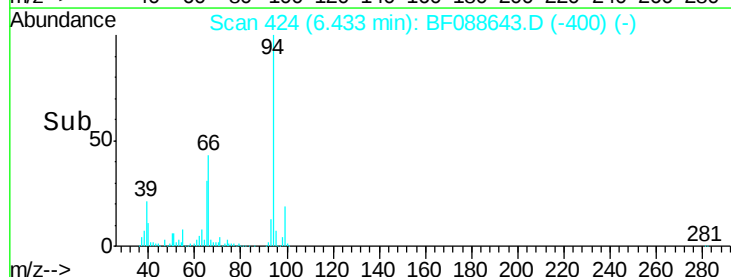
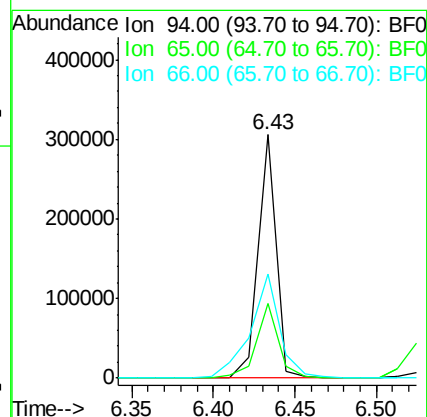
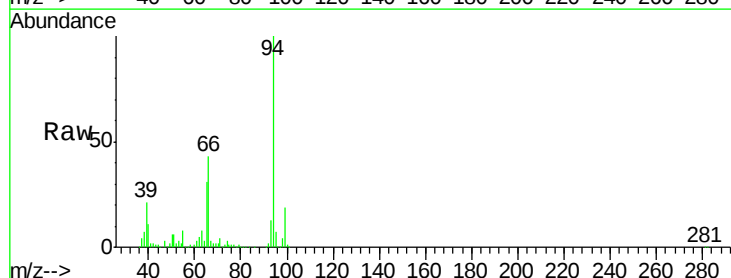
Tgt Ion: 94 Resp: 236201

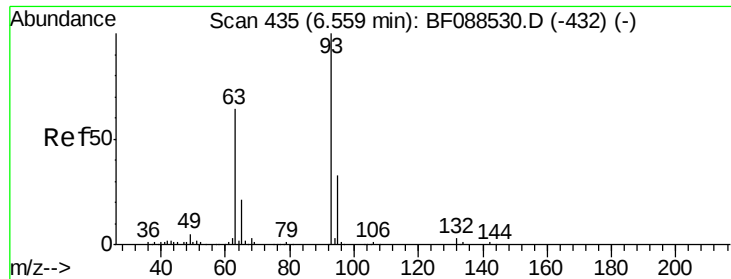
Ion Ratio Lower Upper

94 100

65 30.8 5.9 45.9

66 42.8 14.0 54.0

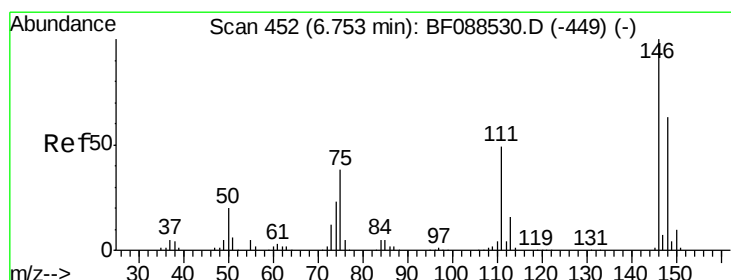
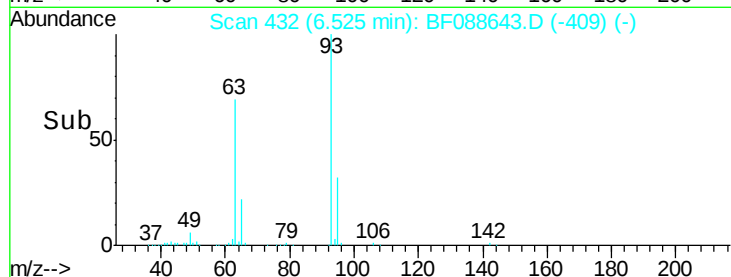
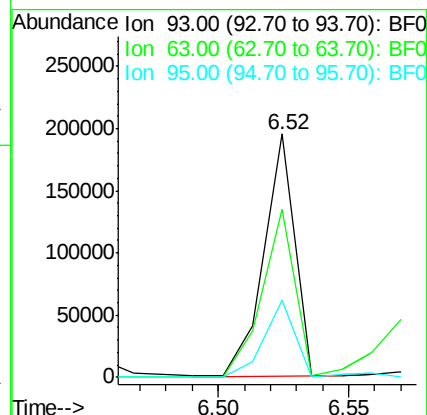
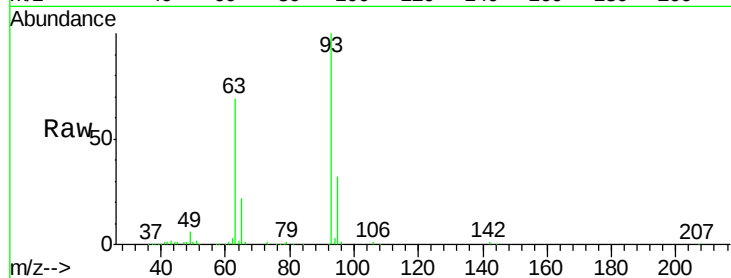




#11  
bis(2-Chloroethyl)ether  
Concen: 20.85 ng  
RT: 6.52 min Scan# 432  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

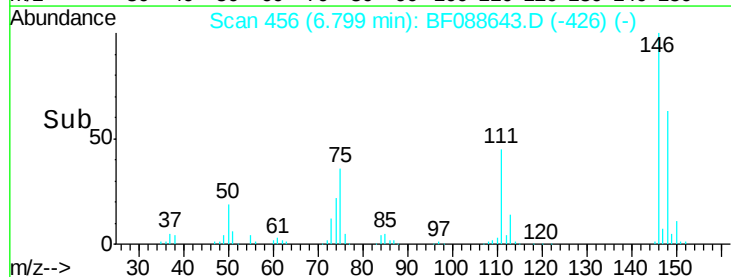
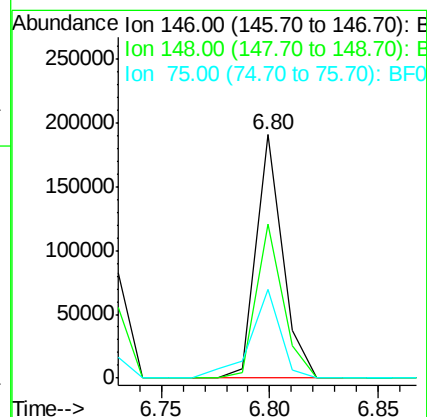
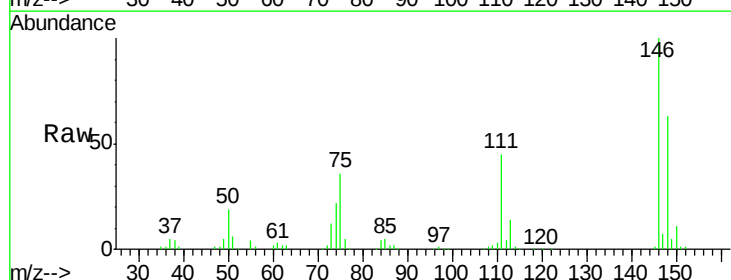
Instrument :  
BNA\_F  
ClientSampleId :

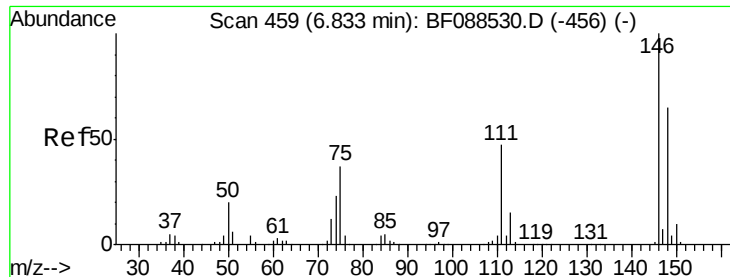
Tot Ion: 93 Resp: 162220  
Ion Ratio Lower Upper  
93 100  
63 68.8 67.6 107.6  
95 31.8 12.5 52.5



#12  
1,3-Dichlorobenzene  
Concen: 19.27 ng  
RT: 6.80 min Scan# 456  
Delta R.T. 0.05 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion: 146 Resp: 161222  
Ion Ratio Lower Upper  
146 100  
148 63.0 50.9 76.3  
75 36.3 25.6 38.4

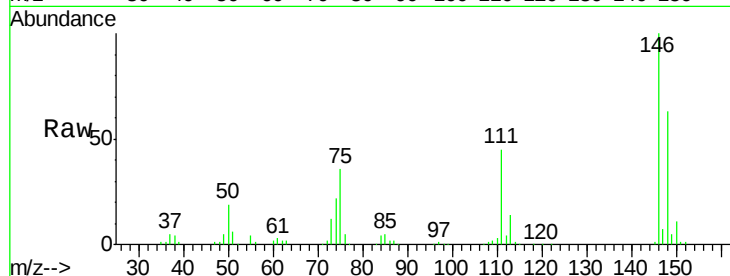




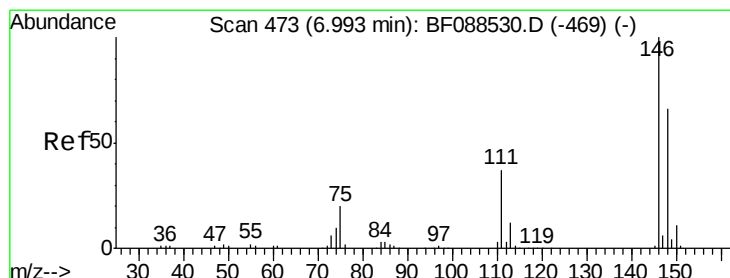
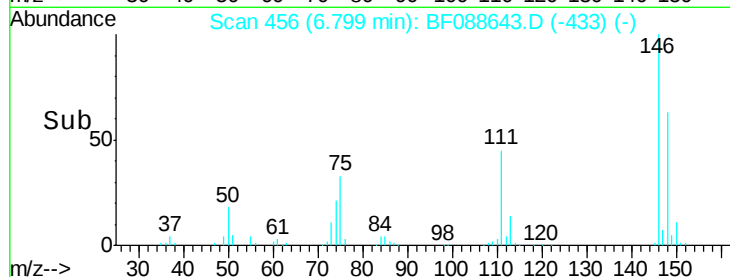
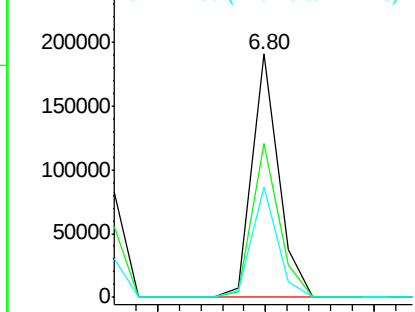
#13  
 1,4-Dichlorobenzene  
 Concen: 19.41 ng  
 RT: 6.80 min Scan# 456  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:146 Resp: 161222  
 Ion Ratio Lower Upper  
 146 100  
 148 63.0 52.0 78.0  
 111 45.5 33.8 50.8

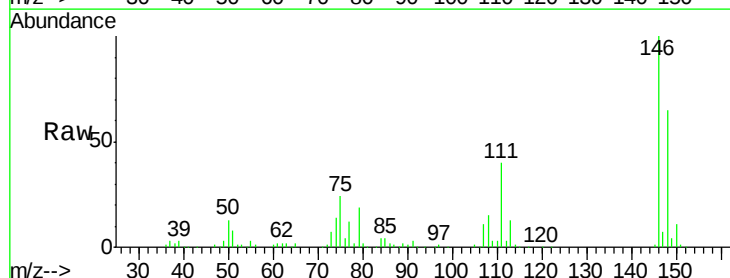


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

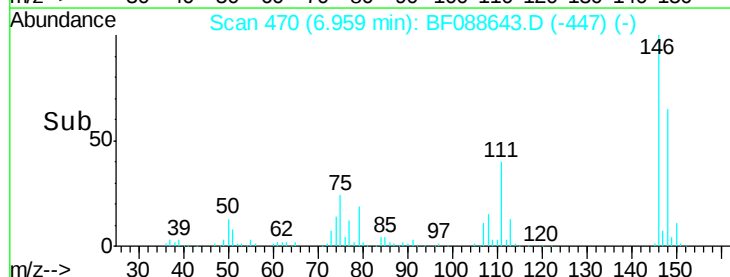
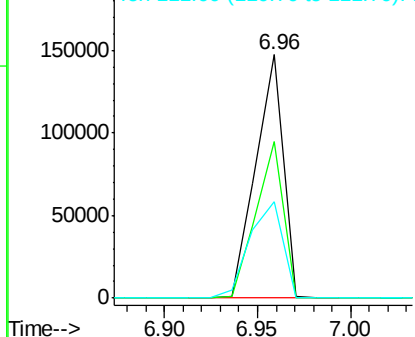


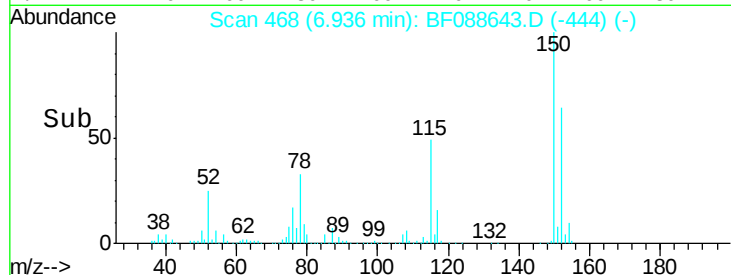
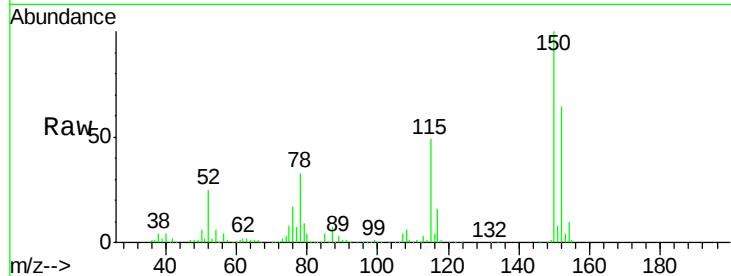
#14  
 1,2-Dichlorobenzene  
 Concen: 19.29 ng  
 RT: 6.96 min Scan# 470  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion:146 Resp: 149946  
 Ion Ratio Lower Upper  
 146 100  
 148 64.6 52.3 78.5  
 111 39.5 28.7 43.1



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





#15

Benzyl Alcohol

Concen: 15.46 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

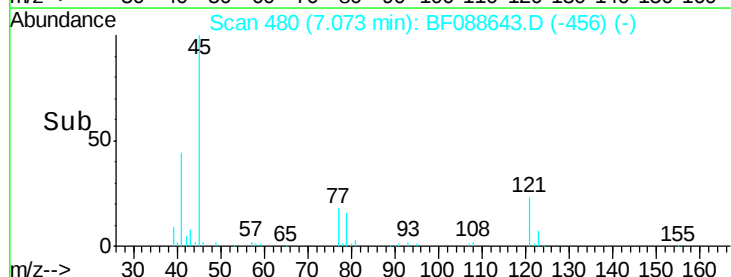
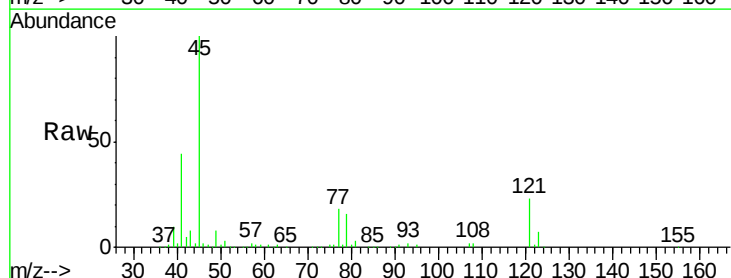
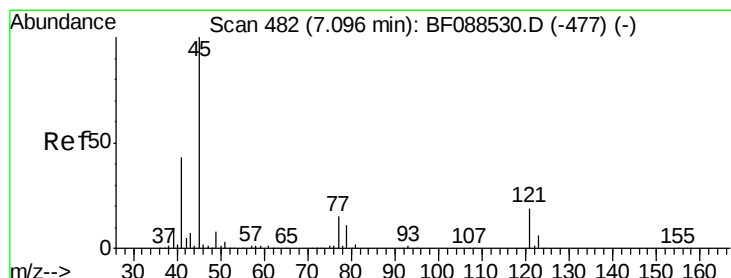
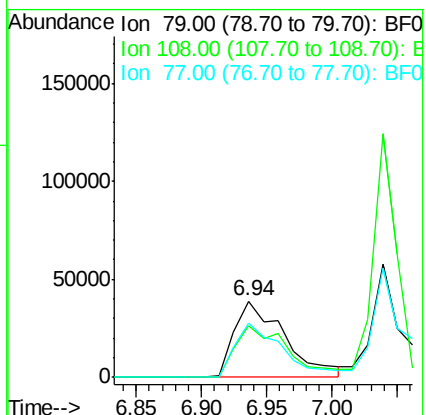
Tot Ion: 79 Resp: 104031

Ion Ratio Lower Upper

79 100

108 67.9 65.0 97.6

77 71.4 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 18.29 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.02 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

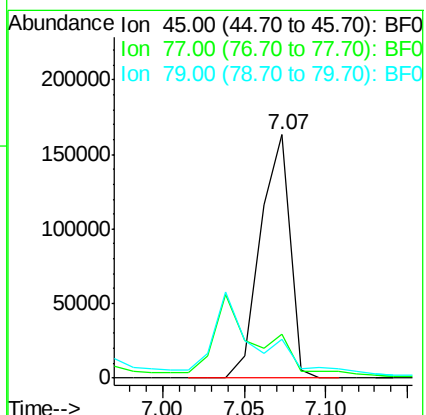
Tgt Ion: 45 Resp: 206020

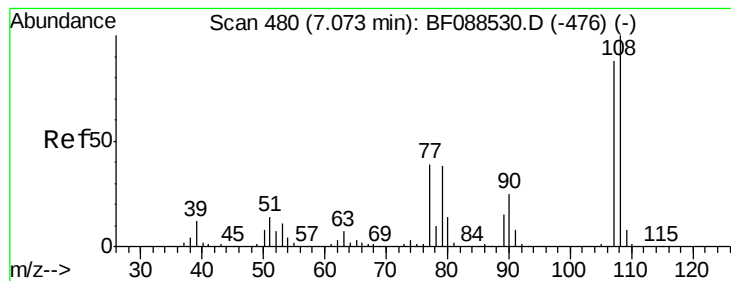
Ion Ratio Lower Upper

45 100

77 18.0 0.0 32.5

79 15.7 0.0 29.5

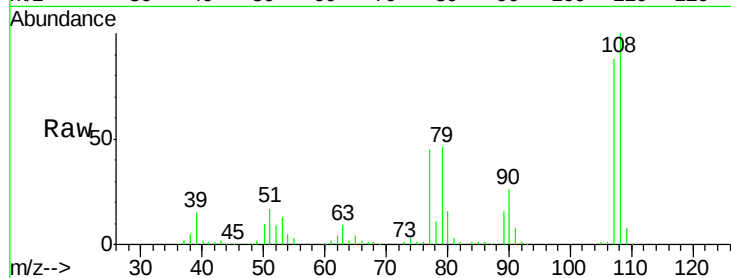




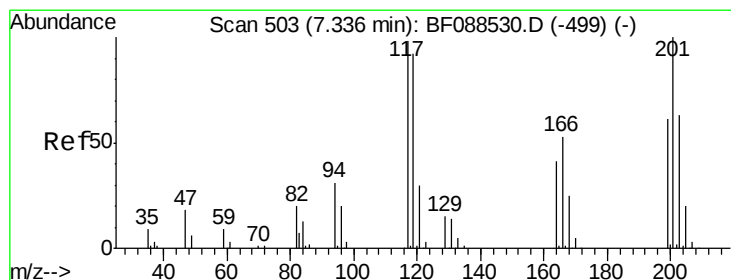
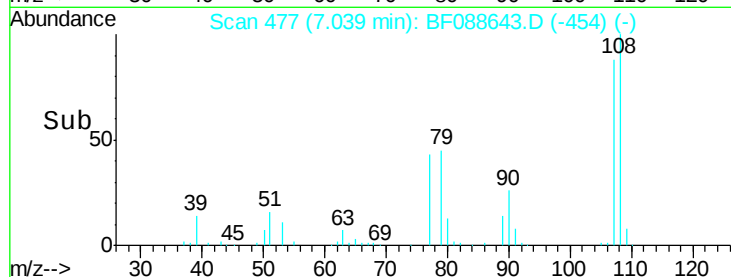
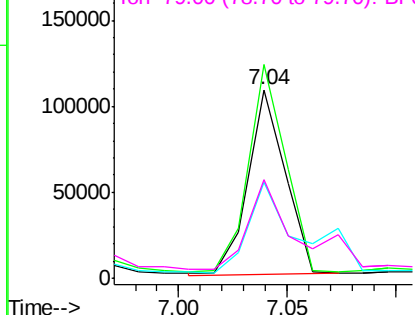
#17  
2-Methylphenol  
Concen: 20.65 ng  
RT: 7.04 min Scan# 477  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:107 Resp: 128108  
Ion Ratio Lower Upper  
107 100  
108 113.3 90.9 136.3  
77 51.0 36.6 55.0  
79 52.7 36.5 54.7

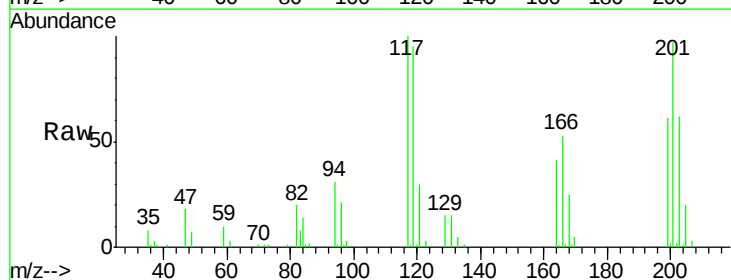


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

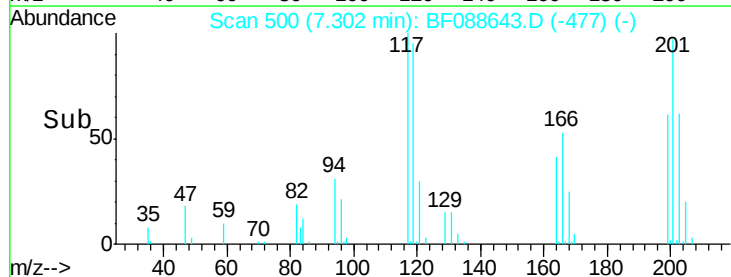
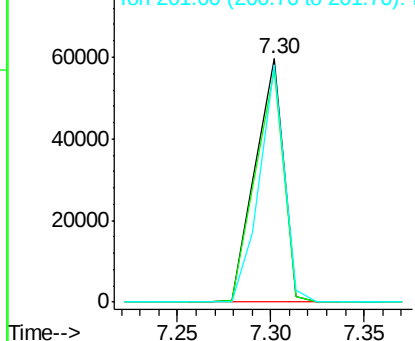


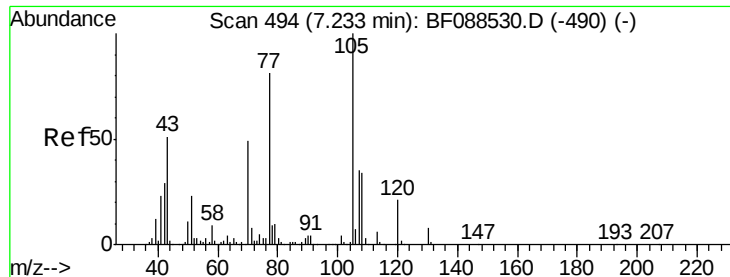
#18  
Hexachloroethane  
Concen: 19.43 ng  
RT: 7.30 min Scan# 500  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion:117 Resp: 62416  
Ion Ratio Lower Upper  
117 100  
119 95.3 77.4 116.2  
201 97.2 80.4 120.6



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

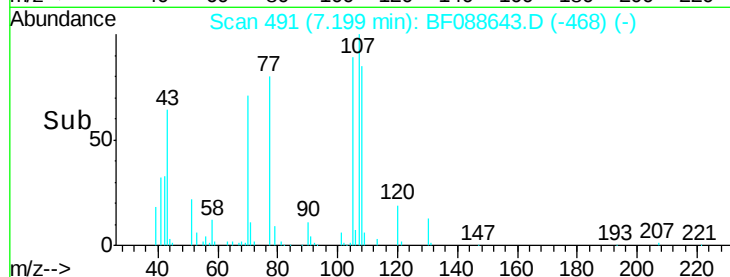
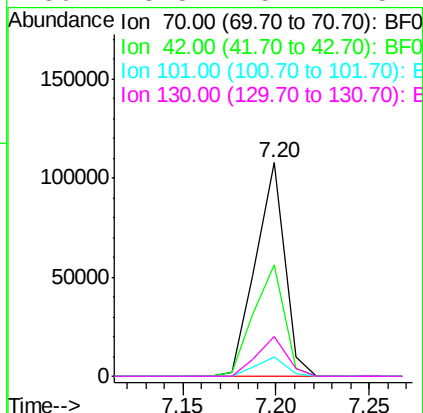
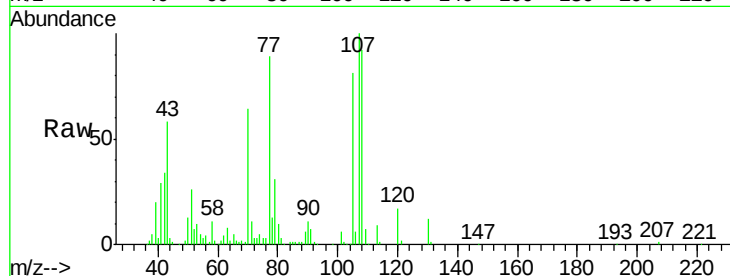




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.91 ng  
RT: 7.20 min Scan# 491  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

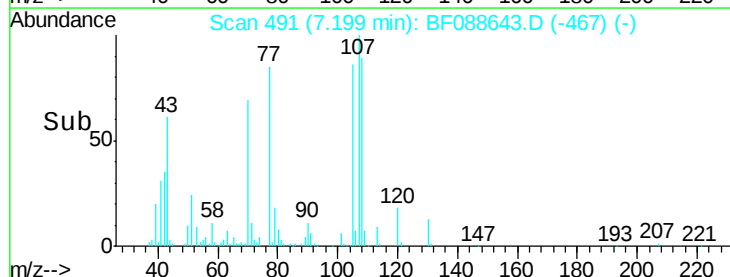
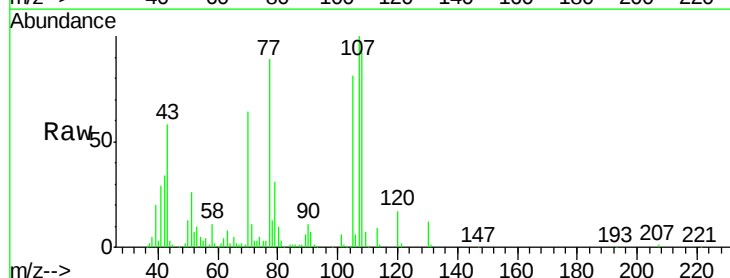
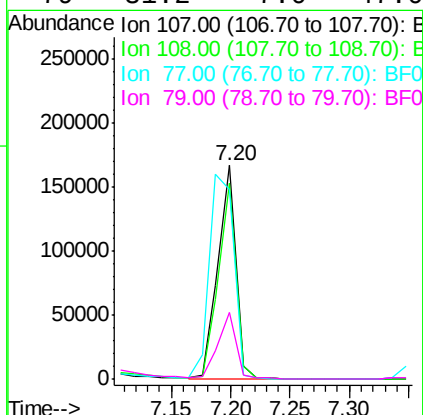
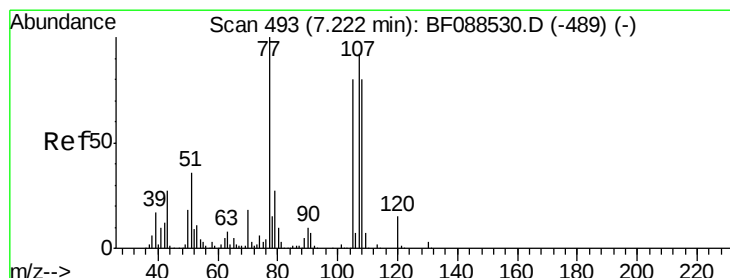
Instrument :  
BNA\_F  
ClientSampleId :

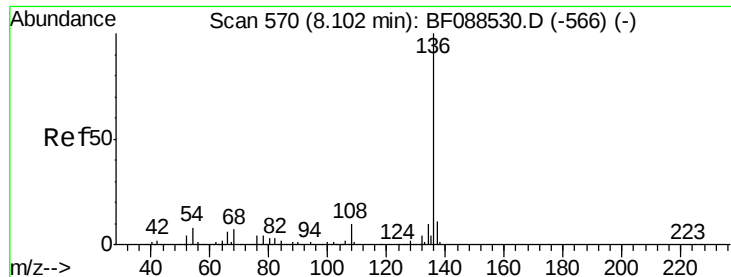
Tot Ion: 70 Resp: 116110  
Ion Ratio Lower Upper  
70 100  
42 52.3 49.6 74.4  
101 9.0 7.1 10.7  
130 18.8 15.4 23.2



#20  
3+4-Methylphenols  
Concen: 23.64 ng  
RT: 7.20 min Scan# 491  
Delta R.T. -0.02 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion: 107 Resp: 175946  
Ion Ratio Lower Upper  
107 100  
108 91.9 67.8 107.8  
77 88.6 59.3 99.3  
79 31.2 7.0 47.0

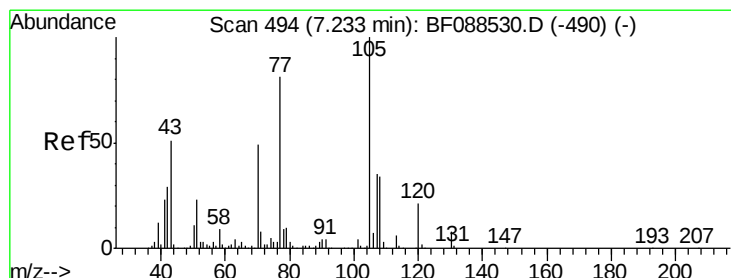
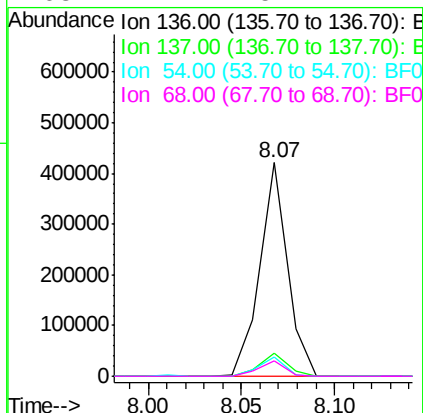
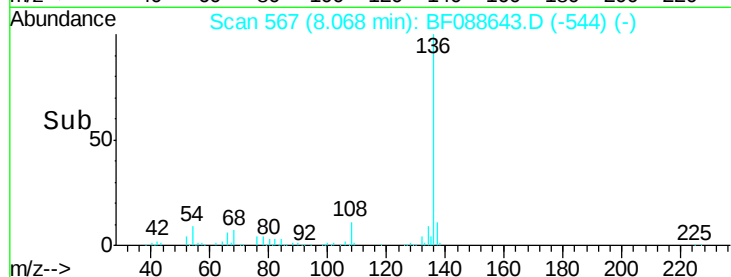
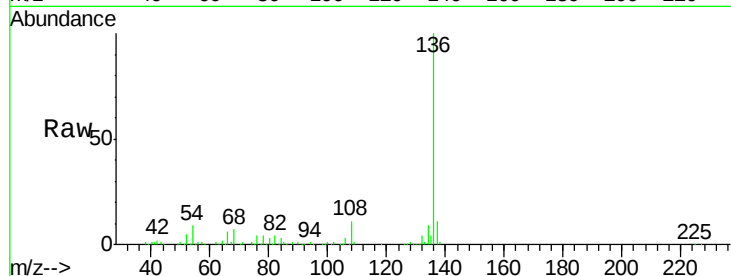




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.07 min Scan# 567  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

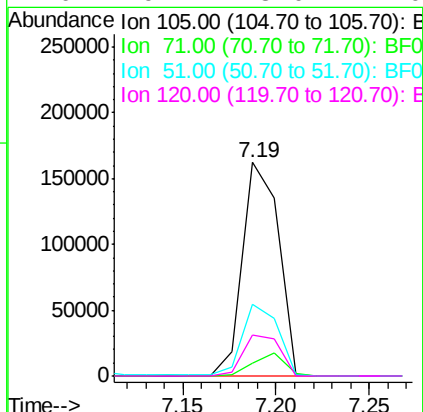
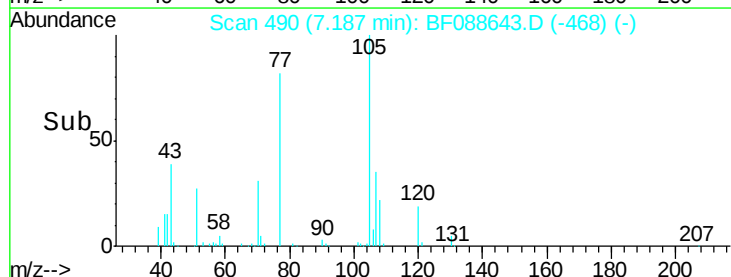
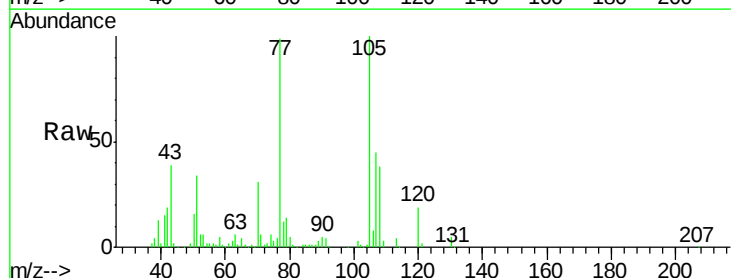
Instrument :  
BNA\_F  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 430801      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.9  | 9.1 13.7    |
| 54          | 9.0   | 6.6 10.0    |
| 68          | 7.2   | 5.1 7.7     |



#22  
Acetophenone  
Concen: 20.83 ng  
RT: 7.19 min Scan# 490  
Delta R.T. -0.05 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:105 | Resp: | 217780      |
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 71          | 5.7   | 5.3 7.9     |
| 51          | 33.5  | 18.2 27.4#  |
| 120         | 19.1  | 18.0 27.0   |

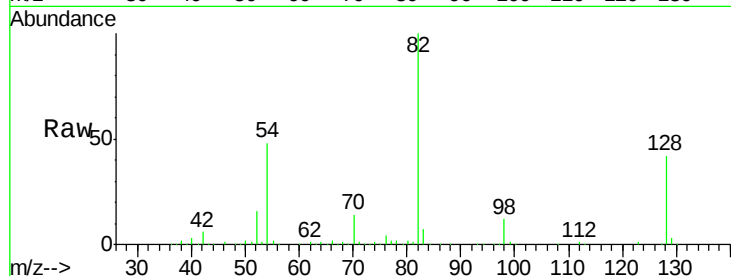




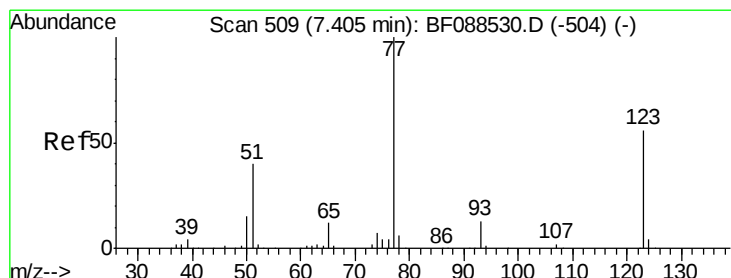
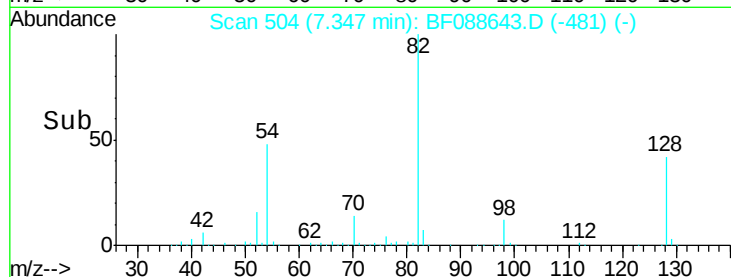
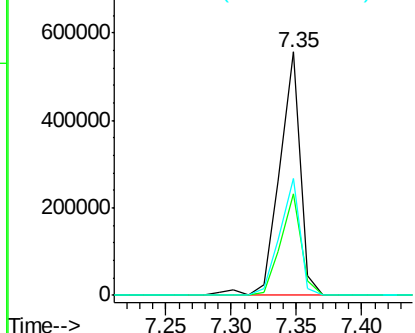
#23  
 Nitrobenzene-d5  
 Concen: 75.56 ng  
 RT: 7.35 min Scan# 504  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 82 Resp: 621173  
 Ion Ratio Lower Upper  
 82 100  
 128 41.5 35.9 53.9  
 54 47.8 40.9 61.3

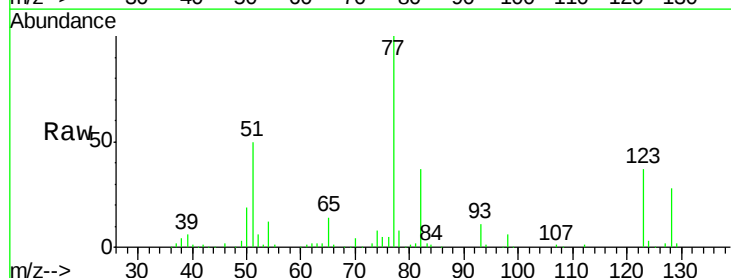


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

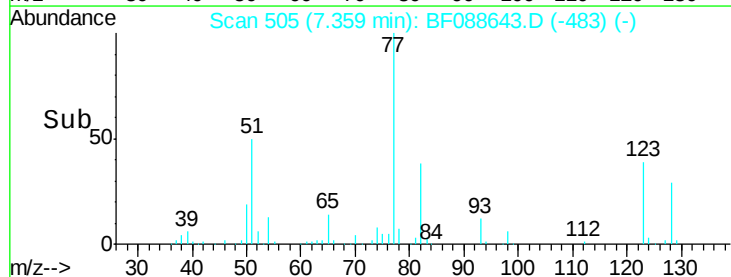
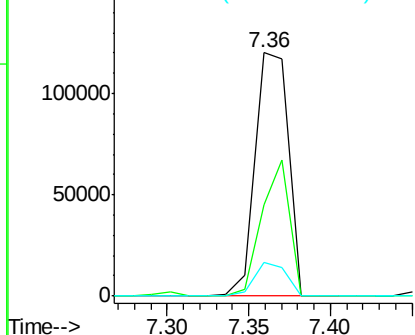


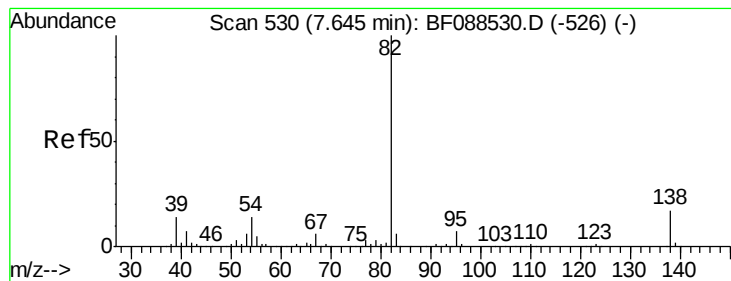
#24  
 Nitrobenzene  
 Concen: 20.59 ng  
 RT: 7.36 min Scan# 505  
 Delta R.T. -0.05 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion: 77 Resp: 170619  
 Ion Ratio Lower Upper  
 77 100  
 123 37.4 45.0 67.4#  
 65 13.7 10.2 15.2



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





#25

Isophorone

Concen: 21.21 ng

RT: 7.61 min Scan# 527

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Instrument :

BNA\_F

ClientSampleId :

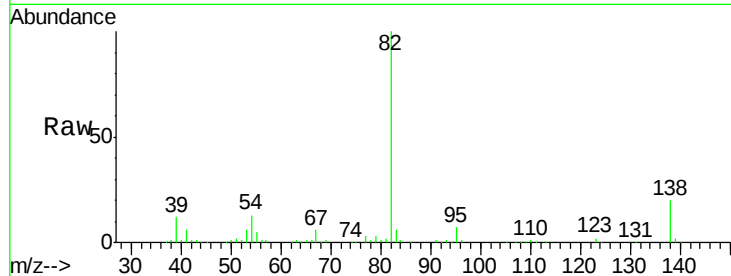
Tot Ion: 82 Resp: 323004

Ion Ratio Lower Upper

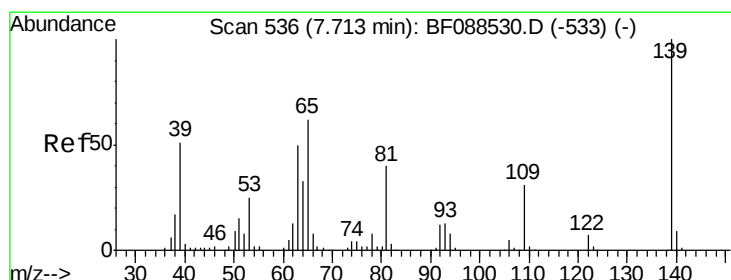
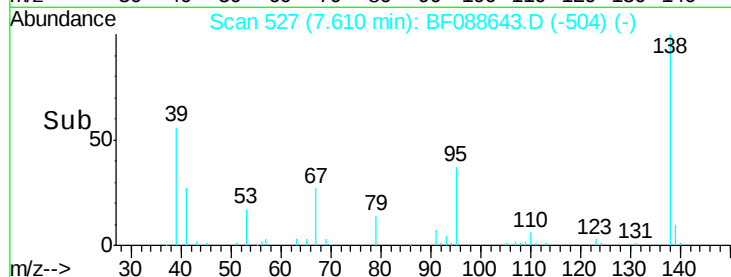
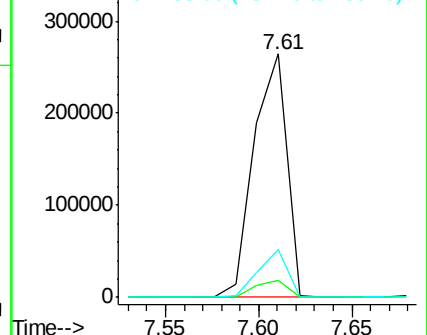
82 100

95 7.2 5.4 8.2

138 19.6 14.6 21.8



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: 21.24 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

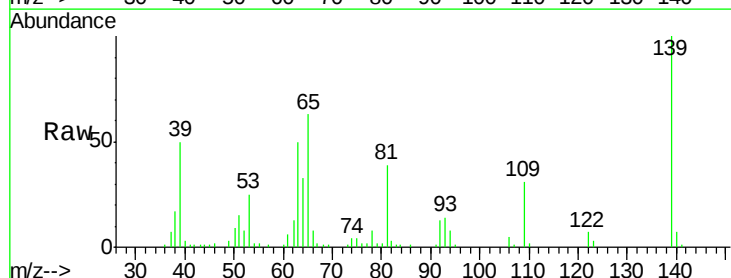
Tgt Ion: 139 Resp: 72201

Ion Ratio Lower Upper

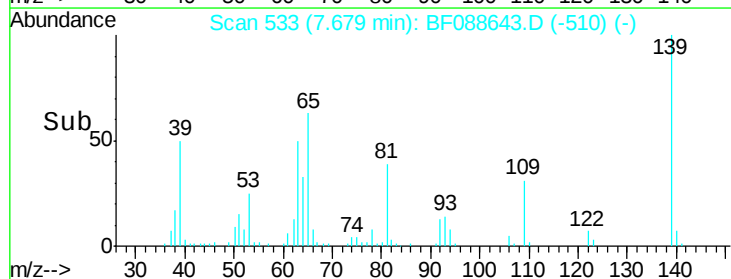
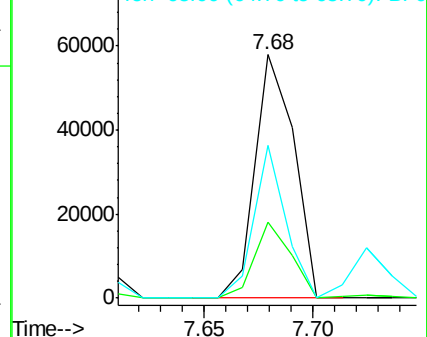
139 100

109 31.4 23.0 34.4

65 62.7 45.8 68.8



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

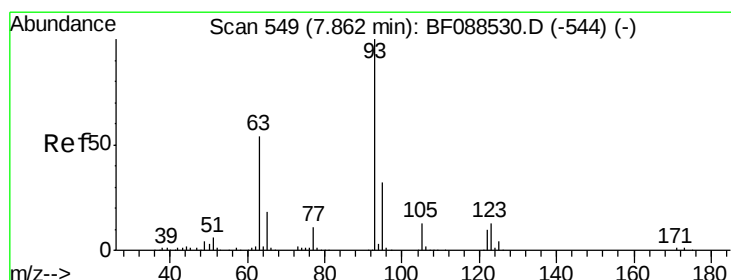
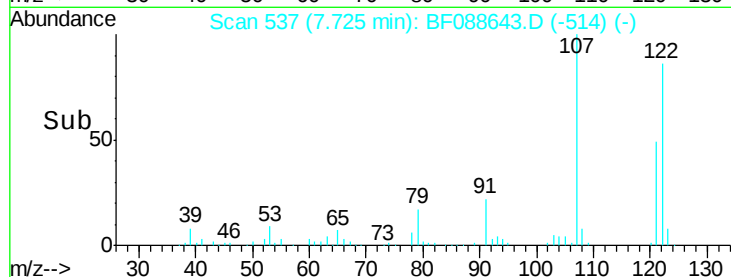
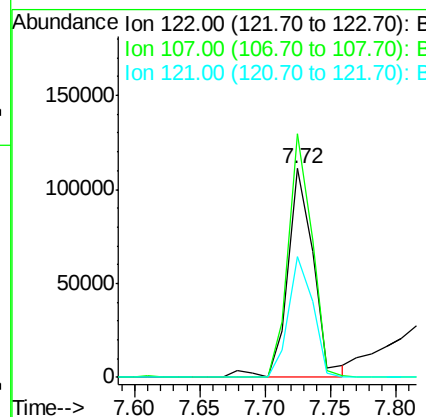
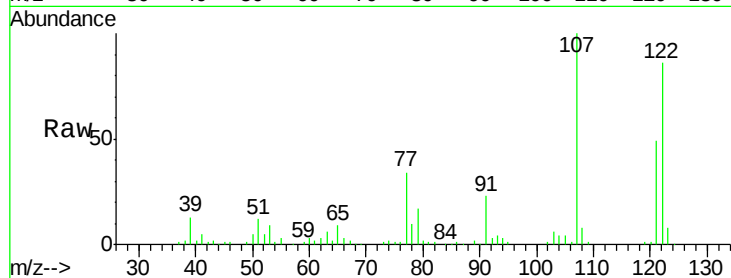




#27  
 2,4-Dimethylphenol  
 Concen: 21.42 ng  
 RT: 7.72 min Scan# 537  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

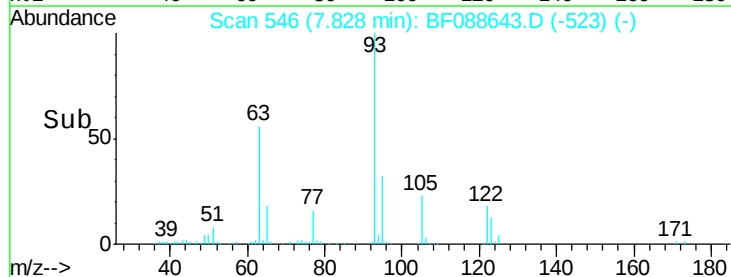
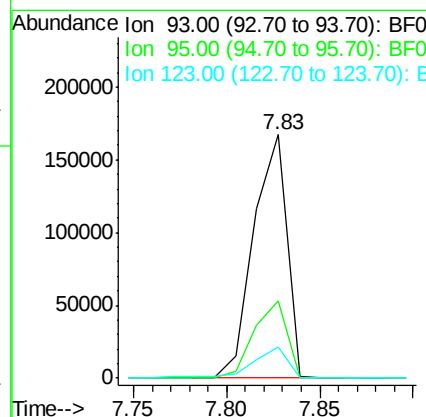
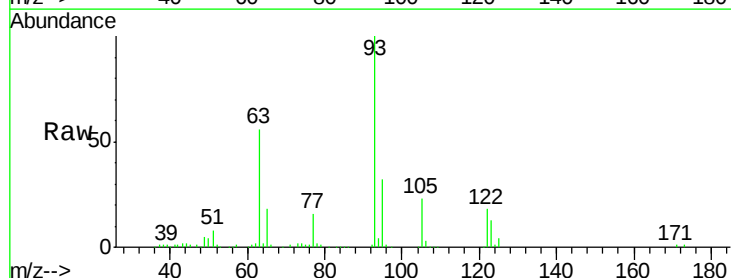
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:122 Resp: 151654  
 Ion Ratio Lower Upper  
 122 100  
 107 116.6 82.4 123.6  
 121 57.7 46.3 69.5



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 20.76 ng  
 RT: 7.83 min Scan# 546  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion: 93 Resp: 205679  
 Ion Ratio Lower Upper  
 93 100  
 95 31.9 26.5 39.7  
 123 12.6 11.6 17.4

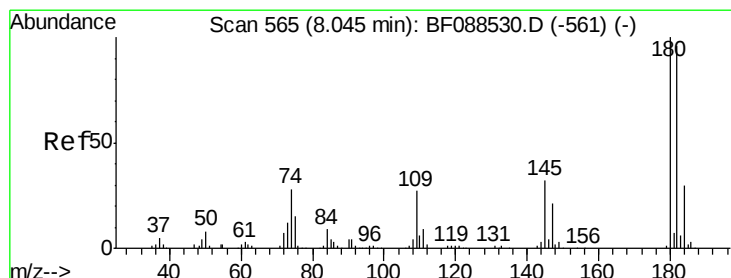
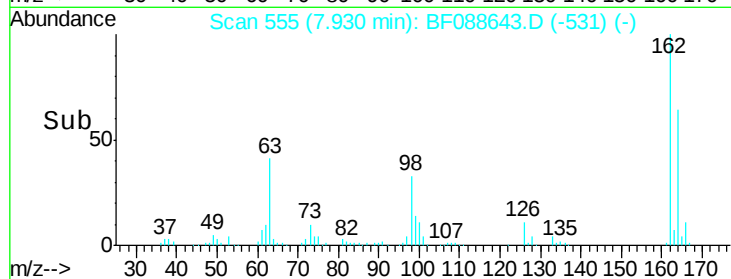
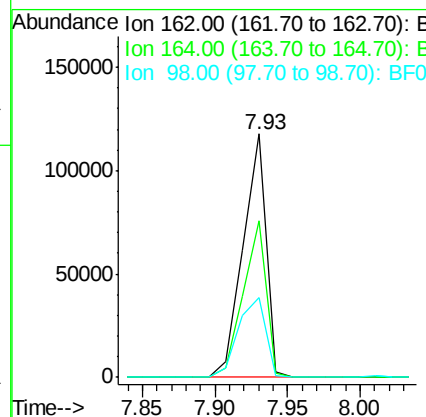
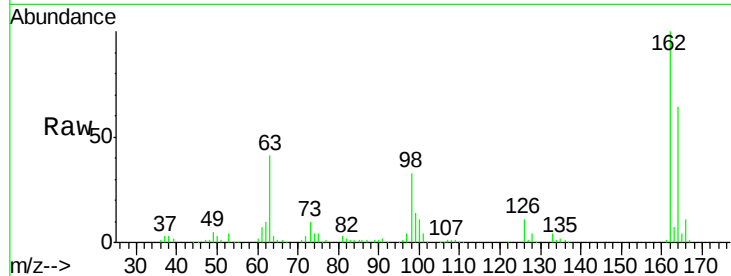




#29  
 2,4-Dichlorophenol  
 Concen: 22.86 ng  
 RT: 7.93 min Scan# 555  
 Delta R.T. -0.02 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

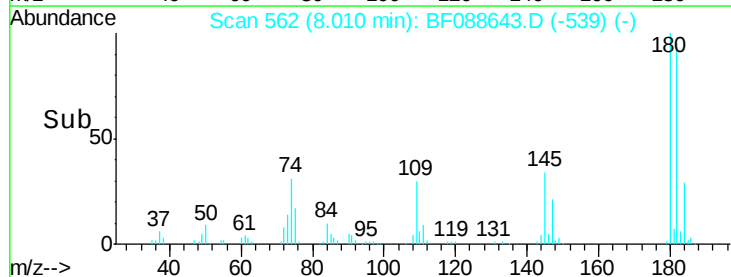
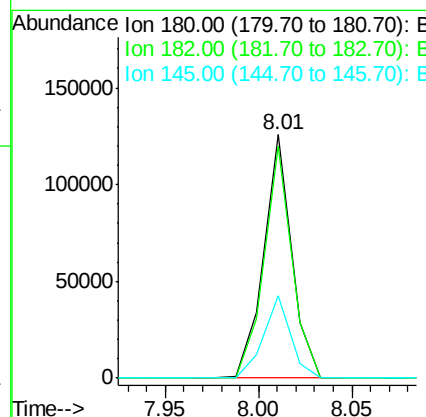
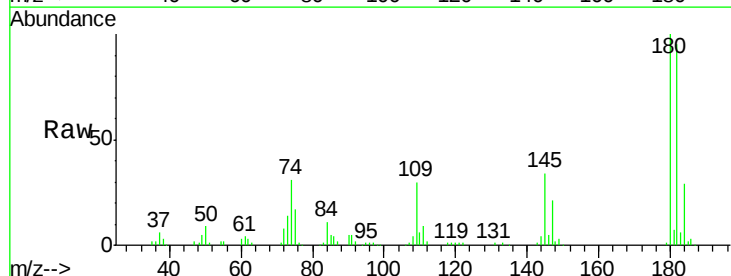
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:162 Resp: 130811  
 Ion Ratio Lower Upper  
 162 100  
 164 64.3 43.8 83.8  
 98 32.7 21.3 61.3



#30  
 1,2,4-Trichlorobenzene  
 Concen: 20.65 ng  
 RT: 8.01 min Scan# 562  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion:180 Resp: 129670  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 76.0 114.0  
 145 33.7 26.5 39.7

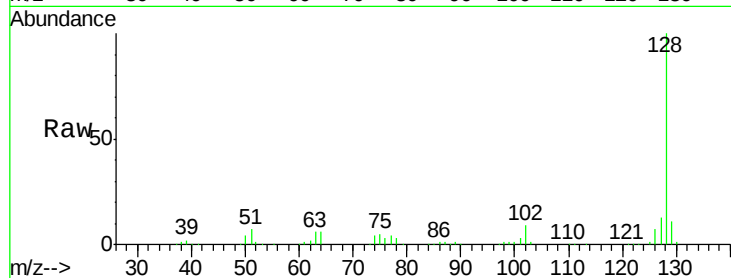




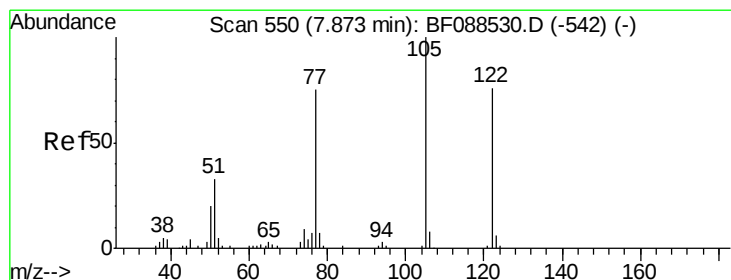
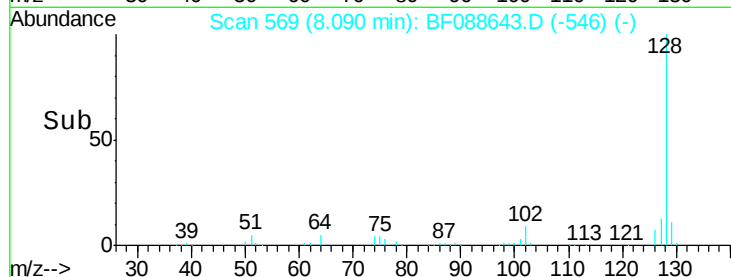
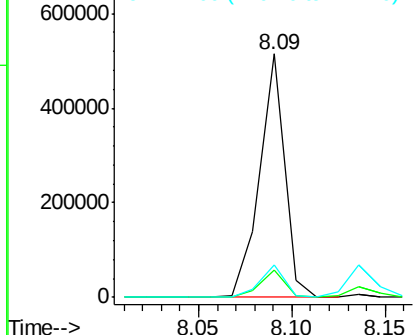
#31  
Naphthalene  
Concen: 22.43 ng  
RT: 8.09 min Scan# 569  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:128 Resp: 476375  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.4 14.2  
127 13.2 10.9 16.3

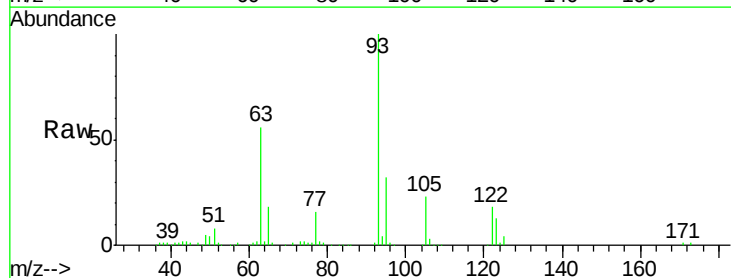


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

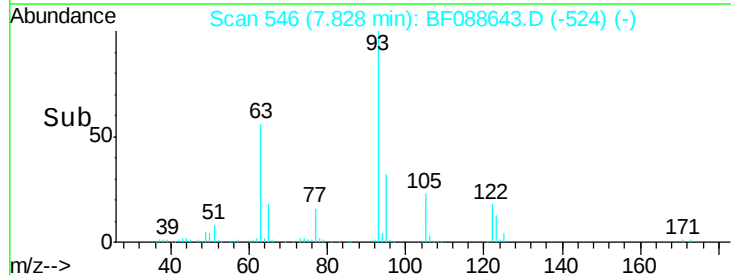
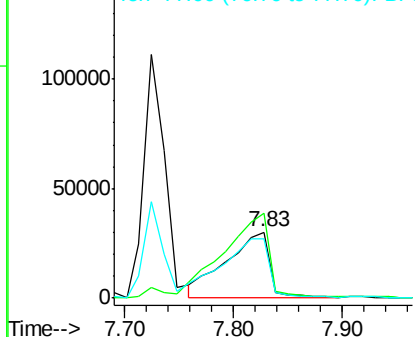


#32  
Benzoic acid  
Concen: 16.16 ng  
RT: 7.83 min Scan# 546  
Delta R.T. -0.05 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion:122 Resp: 83082  
Ion Ratio Lower Upper  
122 100  
105 128.3 101.6 141.6  
77 90.1 70.6 110.6



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0

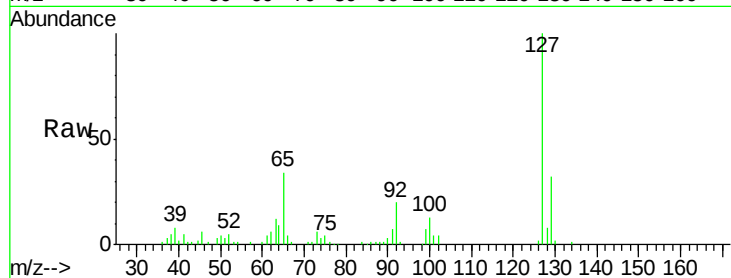




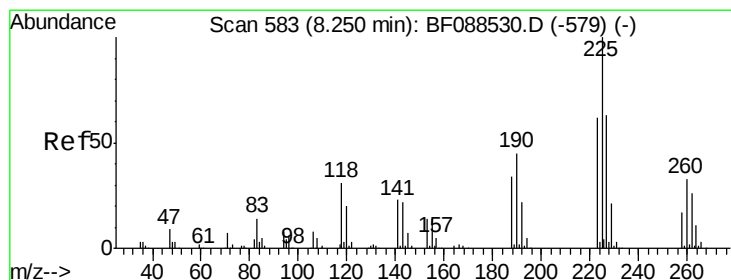
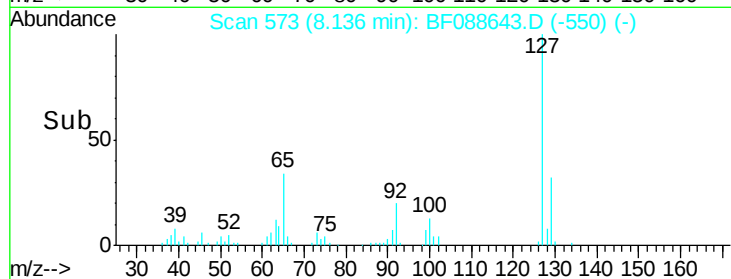
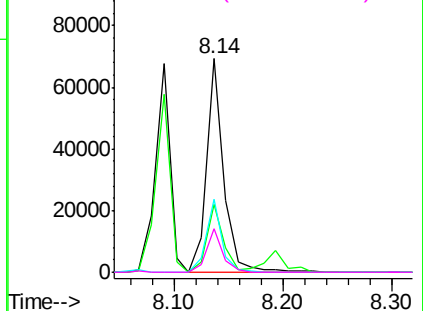
#33  
4-Chloroaniline  
Concen: 8.09 ng  
RT: 8.14 min Scan# 573  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 76492 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.9  | 26.3  | 39.5  |
| 65       | 34.2  | 24.7  | 37.1  |
| 92       | 20.5  | 15.4  | 23.0  |

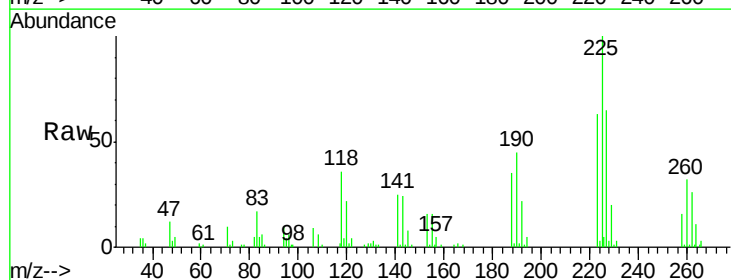


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

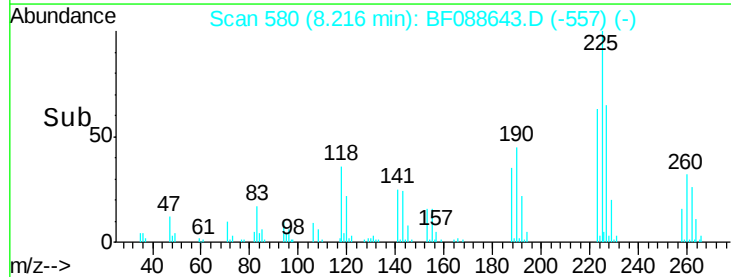
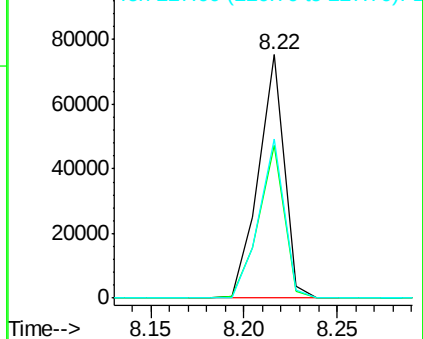


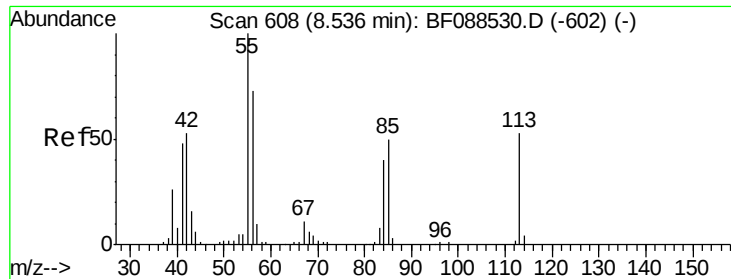
#34  
Hexachlorobutadiene  
Concen: 21.43 ng  
RT: 8.22 min Scan# 580  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 72036 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.8  | 50.9  | 76.3  |
| 227      | 65.2  | 51.9  | 77.9  |



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

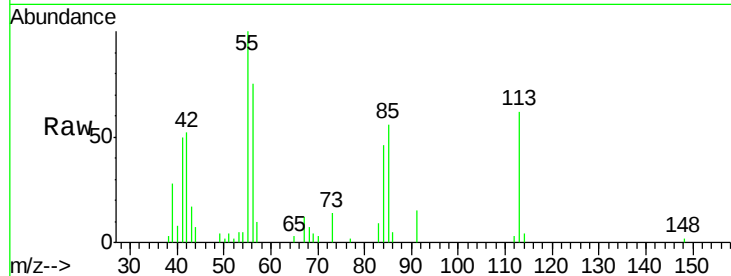




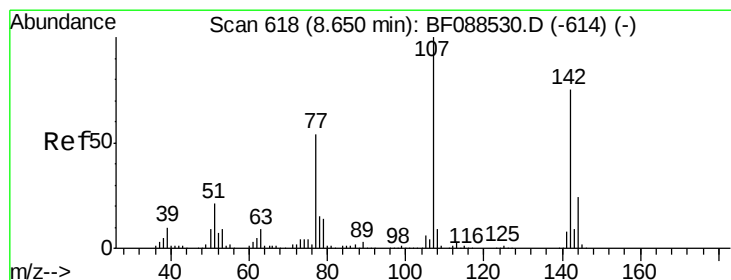
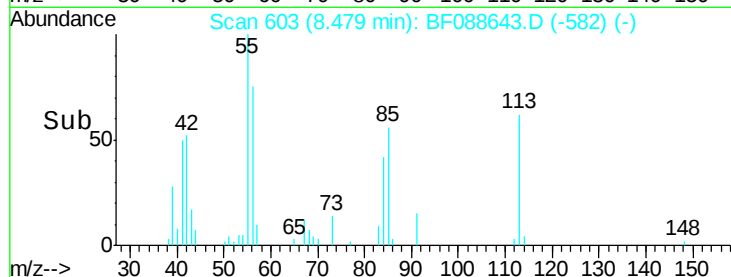
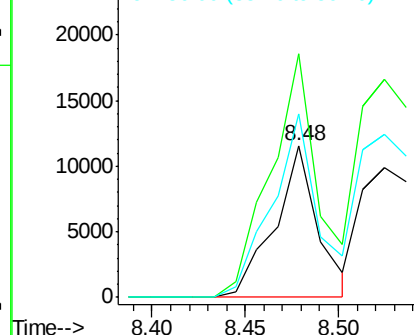
#35  
 Caprolactam  
 Concen: 9.54 ng  
 RT: 8.48 min Scan# 603  
 Delta R.T. -0.06 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:113 Resp: 18542  
 Ion Ratio Lower Upper  
 113 100  
 55 160.3 158.6 198.6  
 56 120.8 110.6 150.6

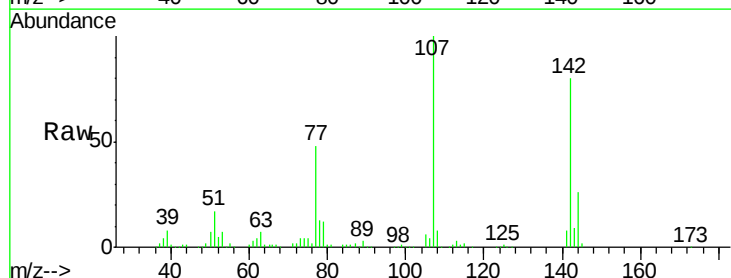


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF0  
 Ion 56.00 (55.70 to 56.70): BF0

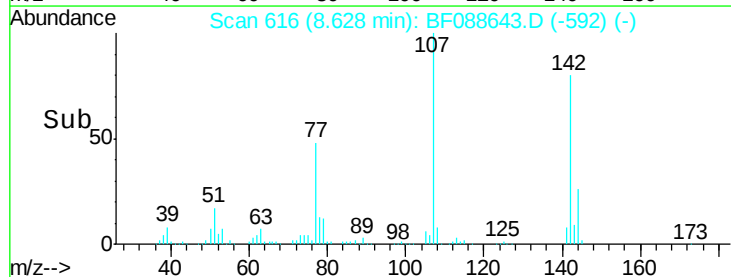
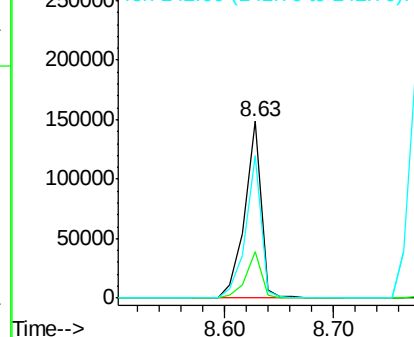


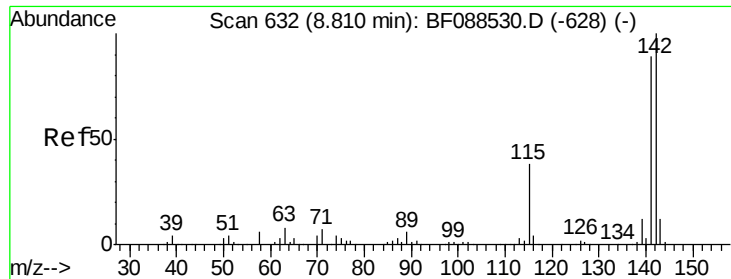
#36  
 4-Chloro-3-methylphenol  
 Concen: 22.84 ng  
 RT: 8.63 min Scan# 616  
 Delta R.T. -0.02 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion:107 Resp: 154495  
 Ion Ratio Lower Upper  
 107 100  
 144 26.3 20.8 31.2  
 142 80.4 63.4 95.2



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

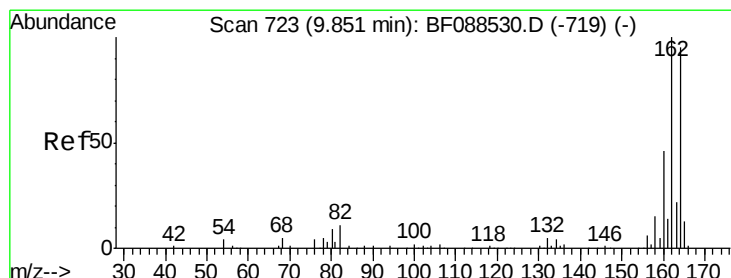
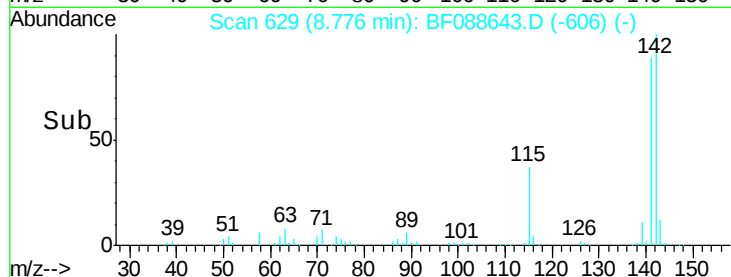
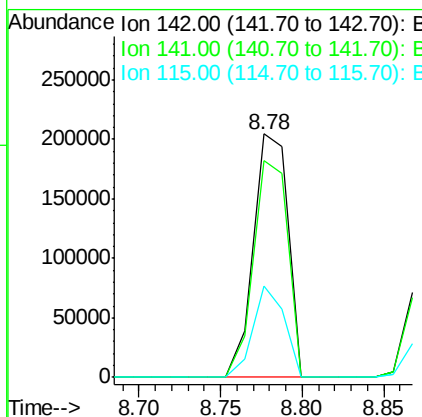
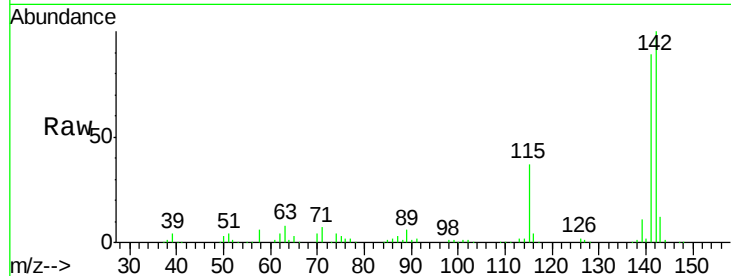




#37  
 2-Methylnaphthalene  
 Concen: 22.04 ng  
 RT: 8.78 min Scan# 629  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

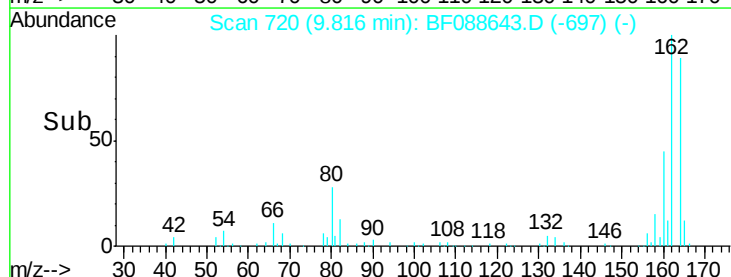
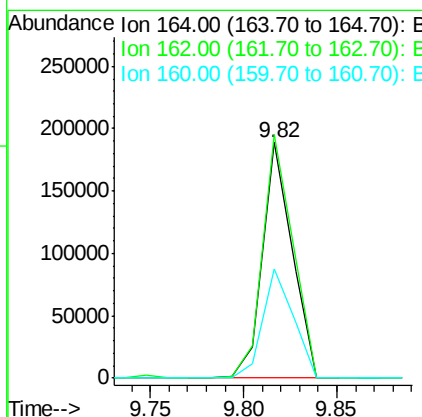
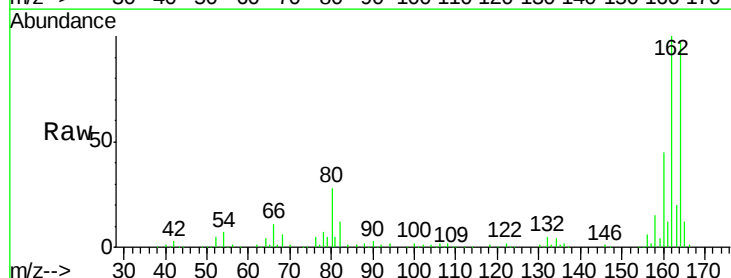
Instrument :  
 BNA\_F  
 ClientSampleID :

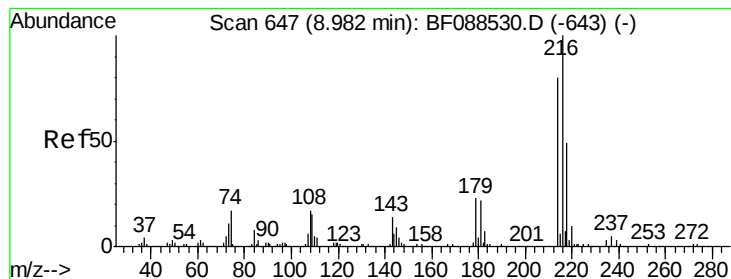
Tot Ion:142 Resp: 301349  
 Ion Ratio Lower Upper  
 142 100  
 141 88.8 71.0 106.6  
 115 37.3 22.6 33.8#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.82 min Scan# 720  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion:164 Resp: 205753  
 Ion Ratio Lower Upper  
 164 100  
 162 103.4 85.4 128.2  
 160 46.1 39.5 59.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 17.27 ng

RT: 8.95 min Scan# 644

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 118200

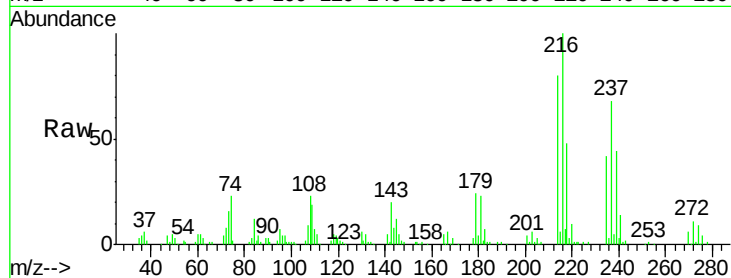
Ion Ratio Lower Upper

216 100

214 79.4 2.9 4.3#

179 23.5 0.0 0.0#

108 28.0 0.5 0.7#

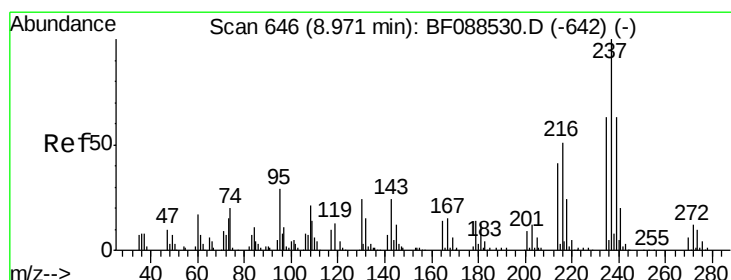
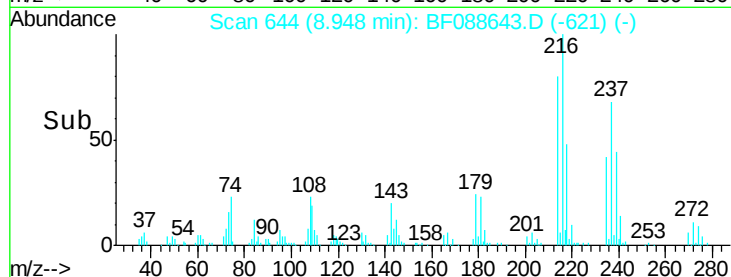
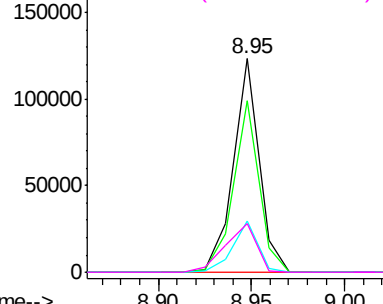


Abundance Ion 216.00 (215.70 to 216.70): E

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: 61.26 ng

RT: 8.94 min Scan# 643

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

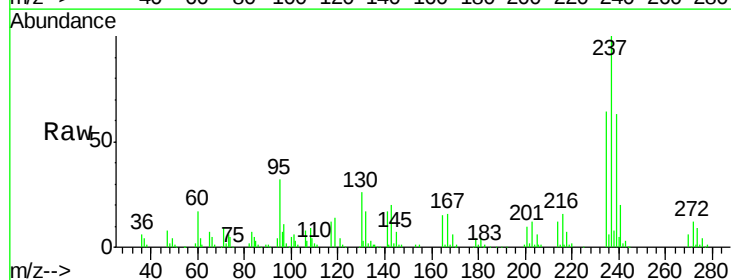
Tgt Ion:237 Resp: 205778

Ion Ratio Lower Upper

237 100

235 64.4 43.4 83.4

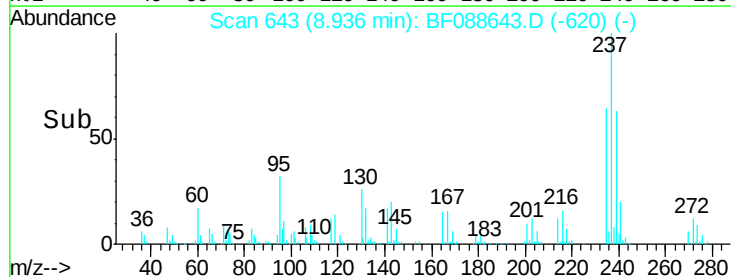
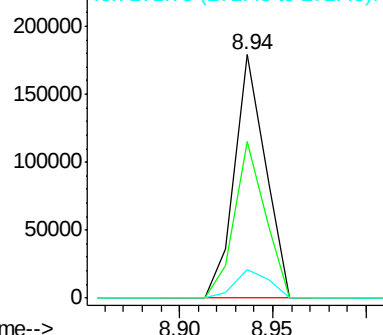
272 11.6 0.0 32.3



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

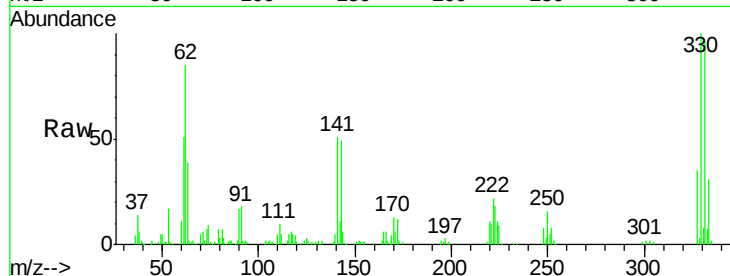




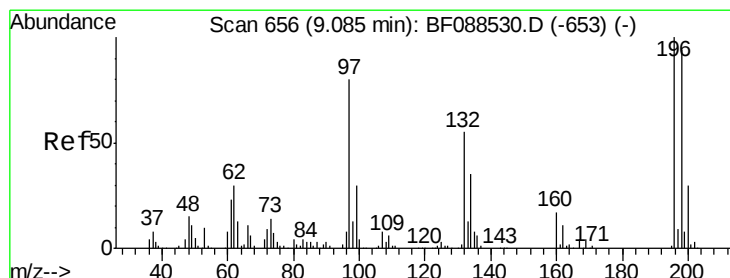
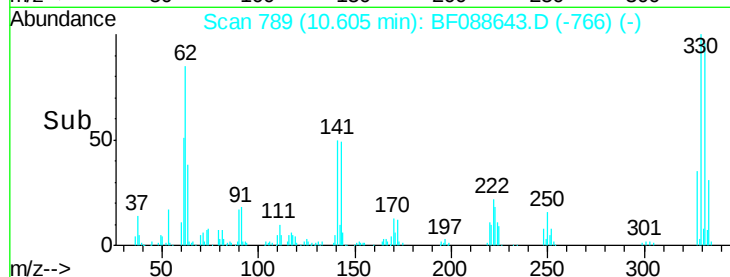
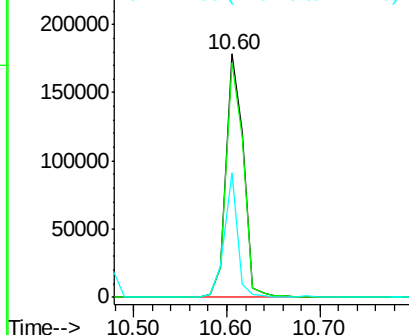
#41  
 2,4,6-Tribromophenol  
 Concen: 121.38 ng  
 RT: 10.60 min Scan# 789  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 231905  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 0.0 0.0#  
 141 38.6 0.0 0.0#

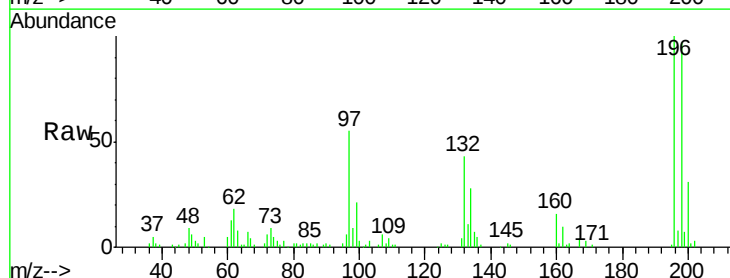


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

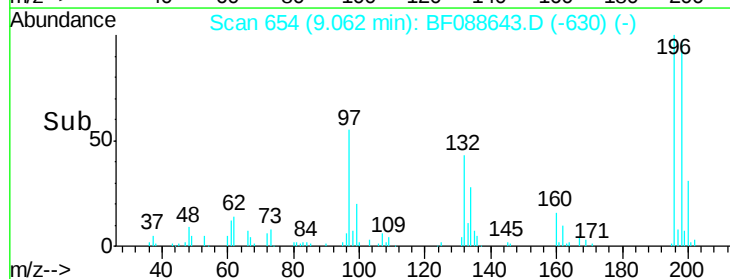
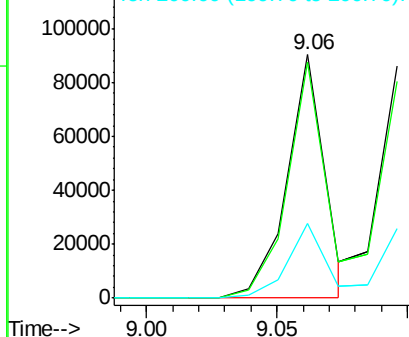


#42  
 2,4,6-Trichlorophenol  
 Concen: 19.96 ng  
 RT: 9.06 min Scan# 654  
 Delta R.T. -0.02 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion:196 Resp: 90066  
 Ion Ratio Lower Upper  
 196 100  
 198 96.8 78.0 117.0  
 200 30.6 25.4 38.2



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

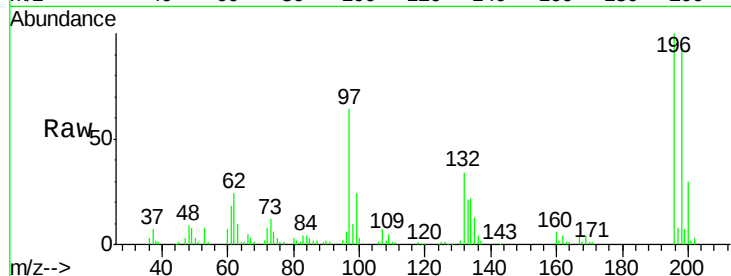




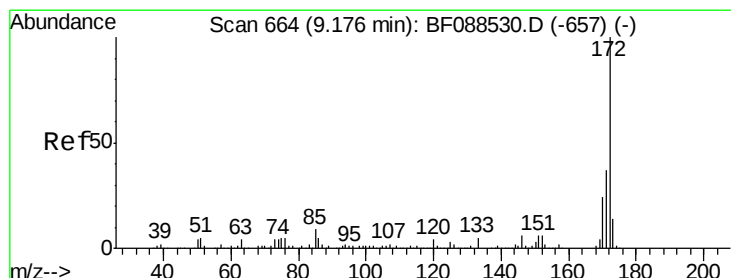
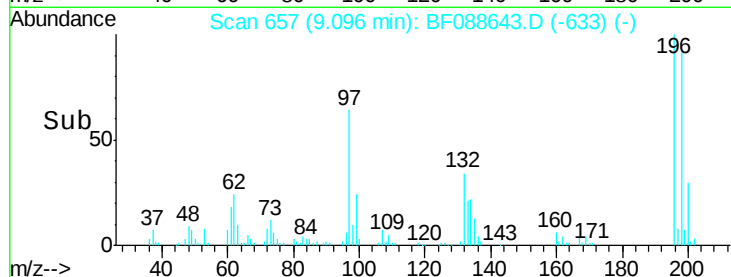
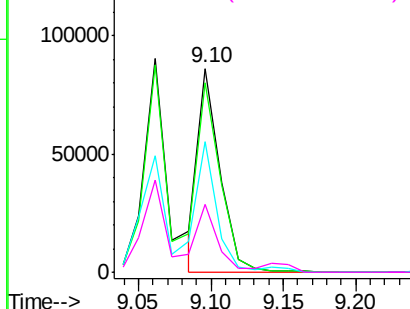
#43  
 2,4,5-Trichlorophenol  
 Concen: 23.48 ng  
 RT: 9.10 min Scan# 657  
 Delta R.T. -0.02 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:196 Resp: 91169  
 Ion Ratio Lower Upper  
 196 100  
 198 93.1 77.5 116.3  
 97 64.2 32.0 48.0#  
 132 33.6 20.9 31.3#

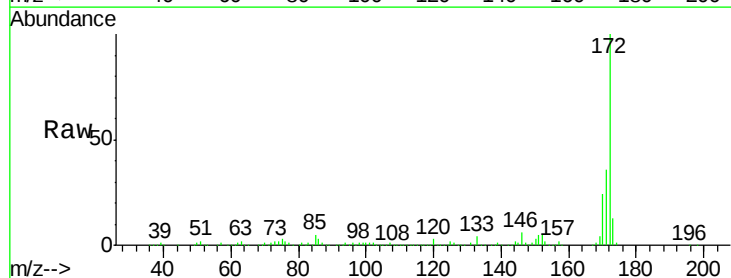


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

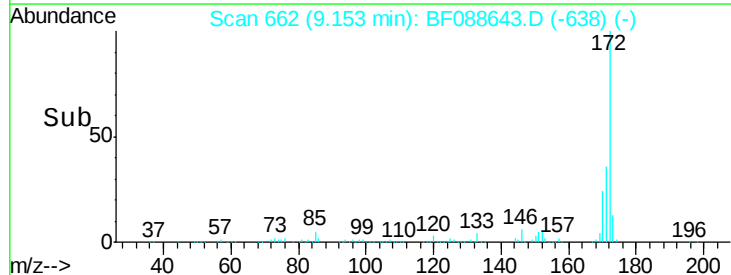
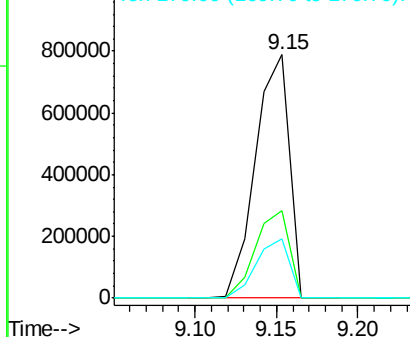


#44  
 2-Fluorobiphenyl  
 Concen: 87.16 ng  
 RT: 9.15 min Scan# 662  
 Delta R.T. -0.02 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion:172 Resp: 1135308  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 28.6 43.0  
 170 24.1 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

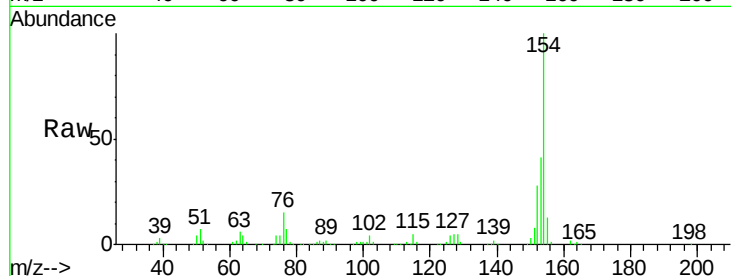




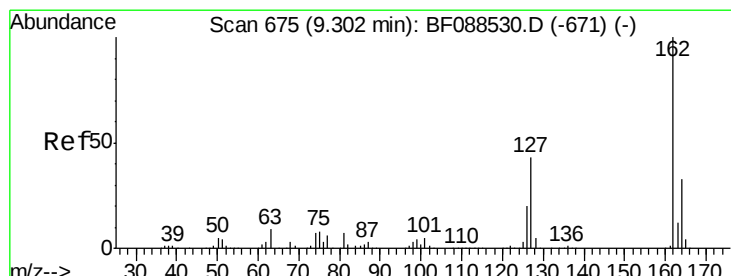
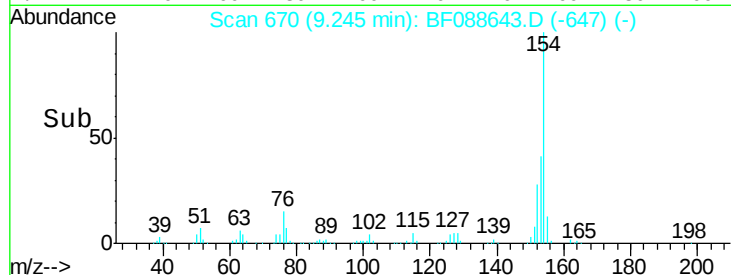
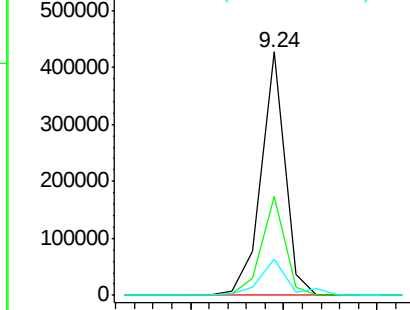
#45  
 1,1'-Biphenyl  
 Concen: 21.99 ng  
 RT: 9.24 min Scan# 670  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:154 Resp: 374703  
 Ion Ratio Lower Upper  
 154 100  
 153 40.7 20.6 60.6  
 76 14.7 0.0 35.1

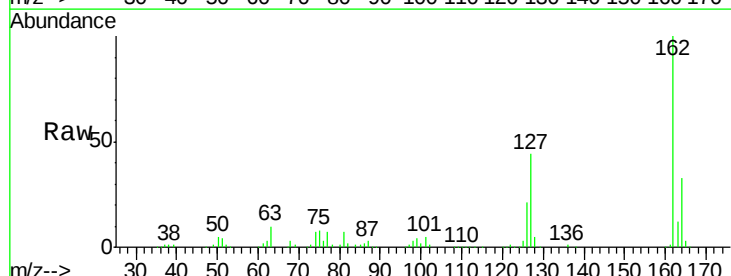


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

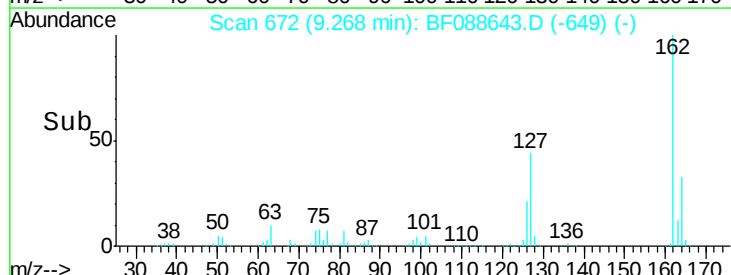
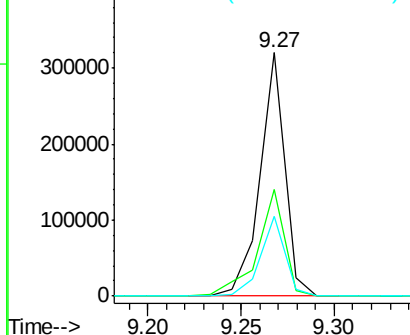


#46  
 2-Chloronaphthalene  
 Concen: 21.81 ng  
 RT: 9.27 min Scan# 672  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion:162 Resp: 291666  
 Ion Ratio Lower Upper  
 162 100  
 127 43.6 35.2 52.8  
 164 32.8 26.6 39.8



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

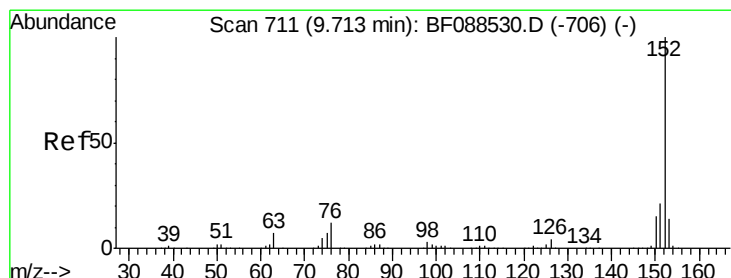
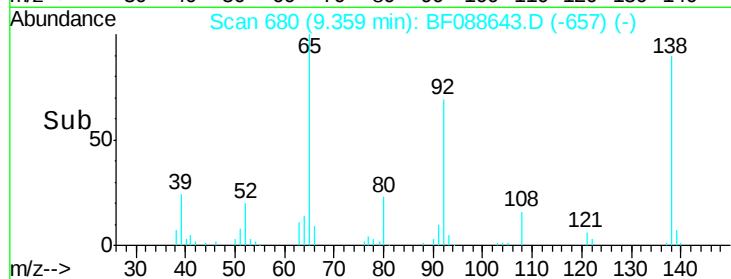
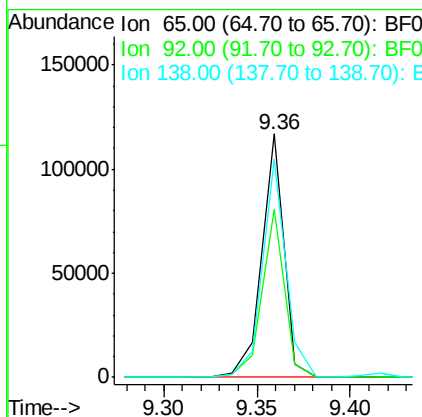
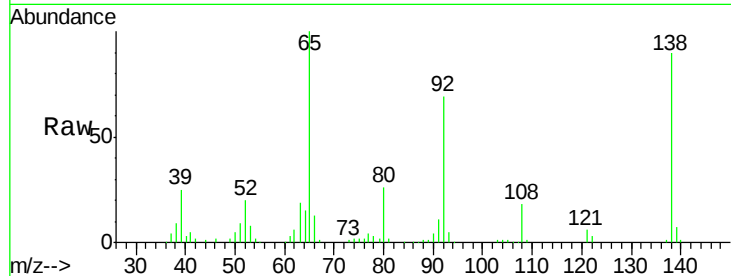




#47  
 2-Nitroaniline  
 Concen: 20.58 ng  
 RT: 9.36 min Scan# 680  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

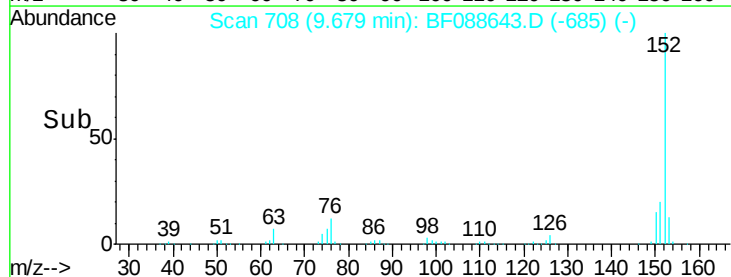
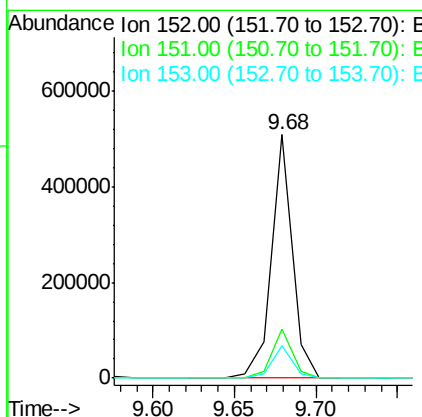
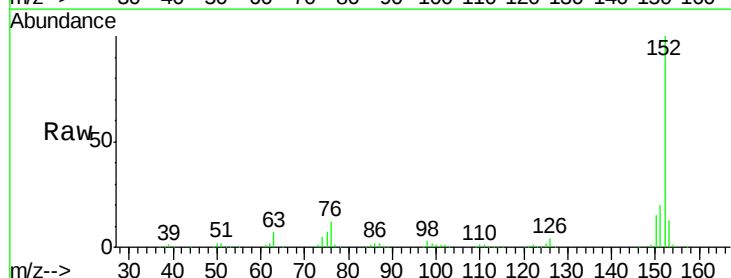
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 65 Resp: 97701  
 Ion Ratio Lower Upper  
 65 100  
 92 69.0 54.6 82.0  
 138 89.6 77.0 115.4



#48  
 Acenaphthylene  
 Concen: 21.46 ng  
 RT: 9.68 min Scan# 708  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion: 152 Resp: 456668  
 Ion Ratio Lower Upper  
 152 100  
 151 20.3 16.2 24.4  
 153 13.4 11.0 16.6

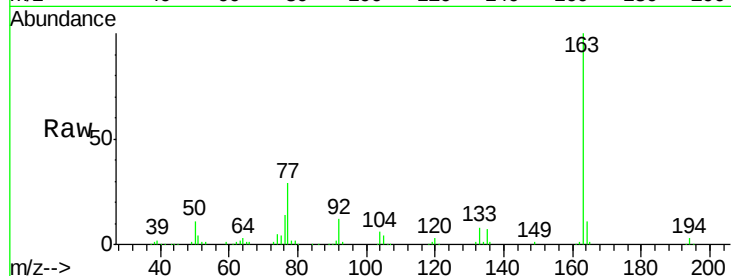




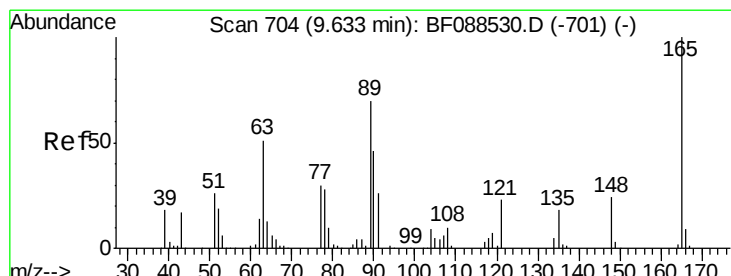
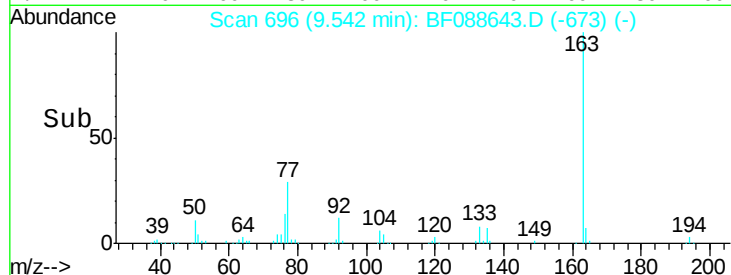
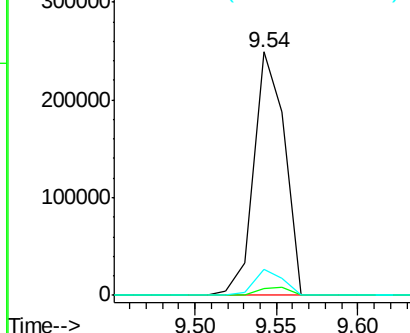
#49  
Dimethylphthalate  
Concen: 22.25 ng  
RT: 9.54 min Scan# 696  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 326177  
Ion Ratio Lower Upper  
163 100  
194 2.9 2.8 4.2  
164 10.7 8.3 12.5

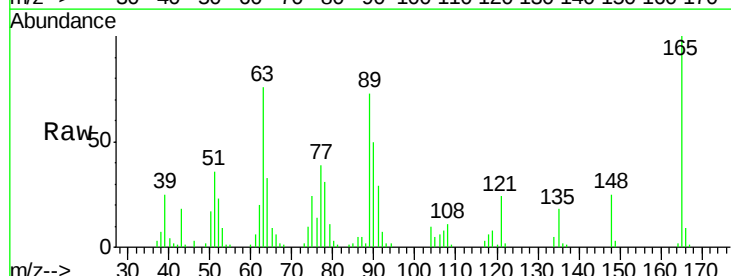


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

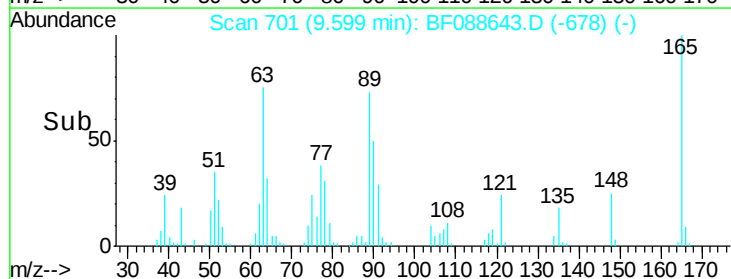
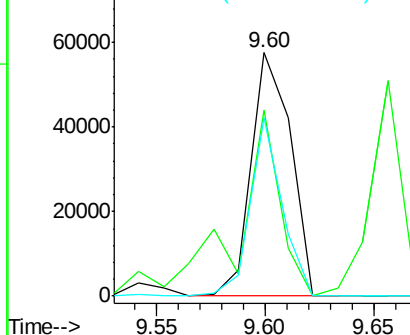


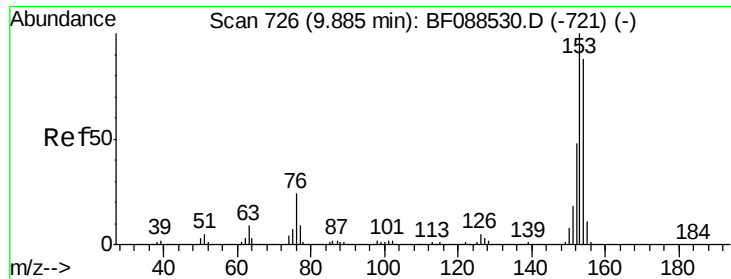
#50  
2,6-Dinitrotoluene  
Concen: 22.44 ng  
RT: 9.60 min Scan# 701  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion:165 Resp: 72903  
Ion Ratio Lower Upper  
165 100  
63 76.2 28.1 42.1#  
89 73.5 32.2 48.2#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0

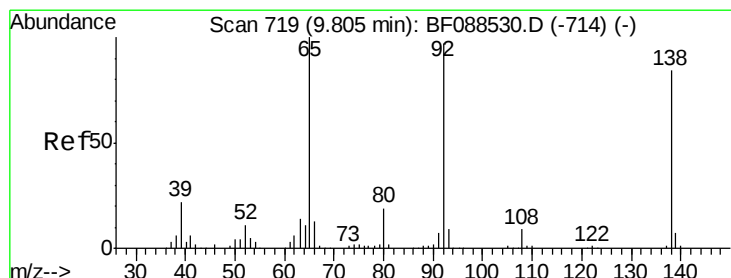
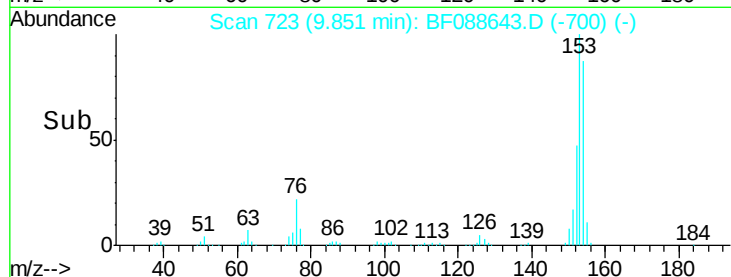
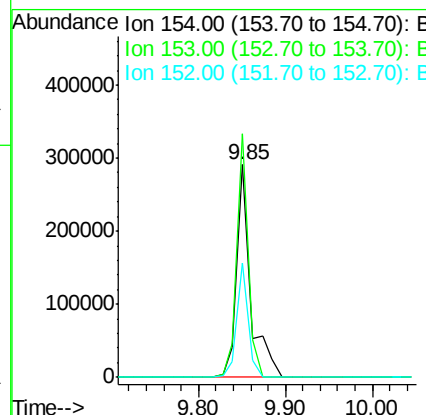
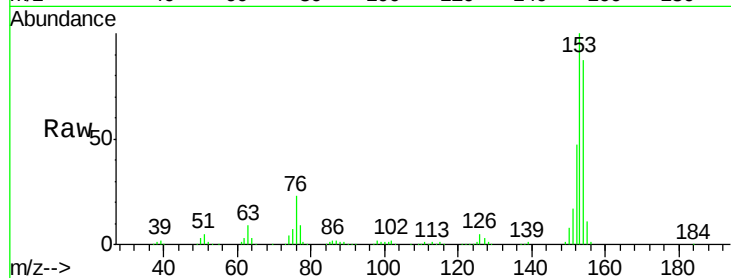




#51  
Acenaphthene  
Concen: 24.94 ng  
RT: 9.85 min Scan# 723  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

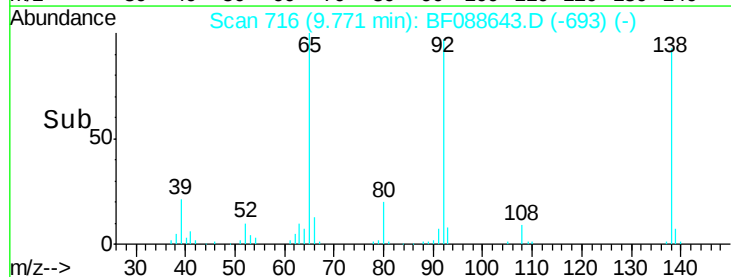
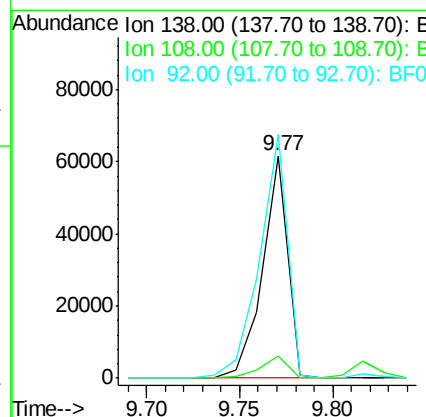
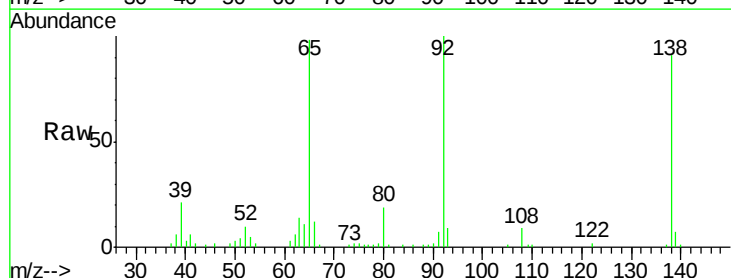
Instrument :  
BNA\_F  
ClientSampleId :

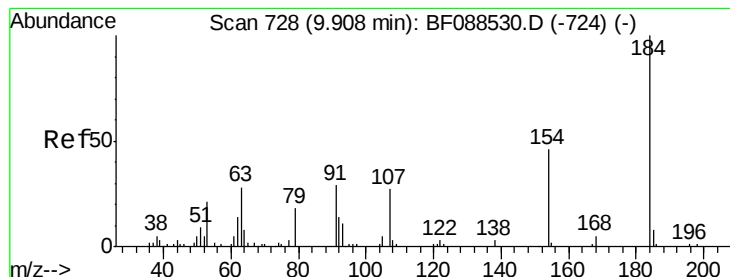
Tot Ion:154 Resp: 325357  
Ion Ratio Lower Upper  
154 100  
153 114.4 89.5 134.3  
152 53.8 42.7 64.1



#52  
3-Nitroaniline  
Concen: 13.78 ng  
RT: 9.77 min Scan# 716  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion:138 Resp: 56922  
Ion Ratio Lower Upper  
138 100  
108 10.0 8.5 12.7  
92 109.4 95.7 143.5





#53

2,4-Dinitrophenol

Concen: 68.84 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Instrument :

BNA\_F

ClientSampled :

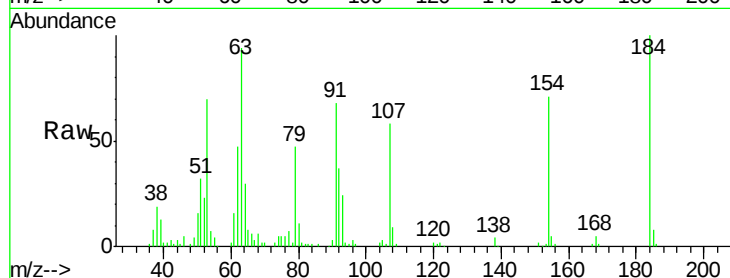
Tot Ion:184 Resp: 98756

Ion Ratio Lower Upper

184 100

63 93.7 57.6 86.4#

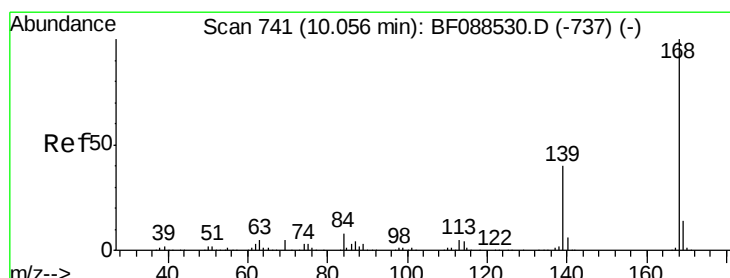
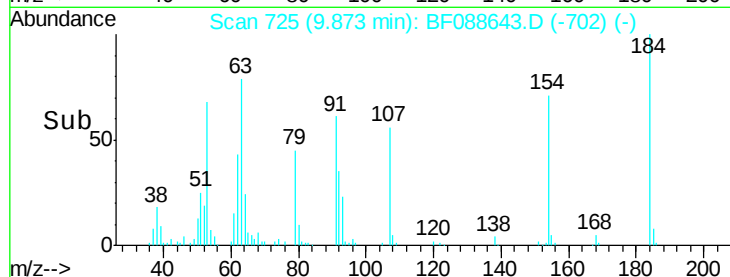
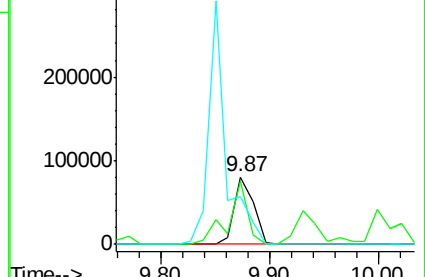
154 71.0 53.5 80.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 22.98 ng

RT: 10.02 min Scan# 738

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

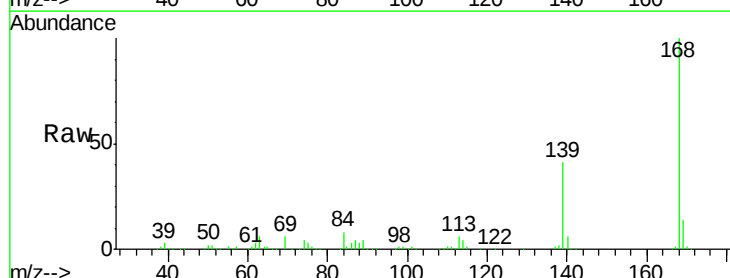
Tgt Ion:168 Resp: 392299

Ion Ratio Lower Upper

168 100

139 41.5 26.4 39.6#

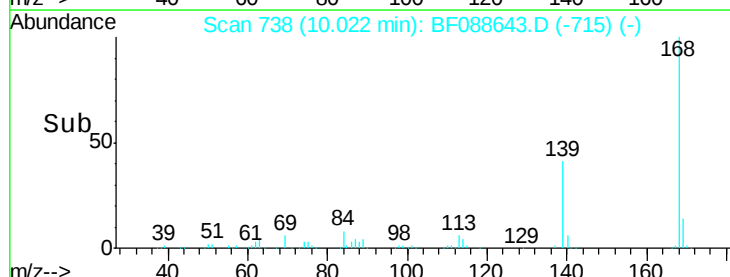
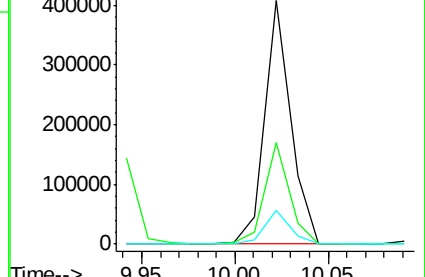
169 13.6 10.4 15.6



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

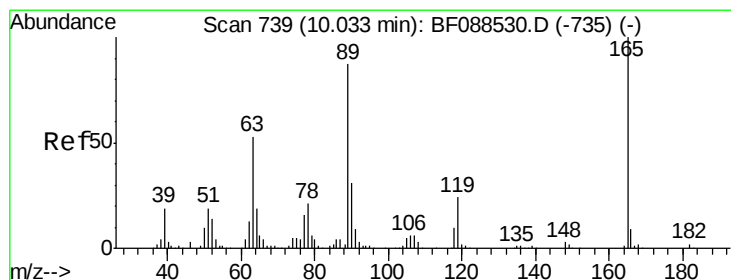
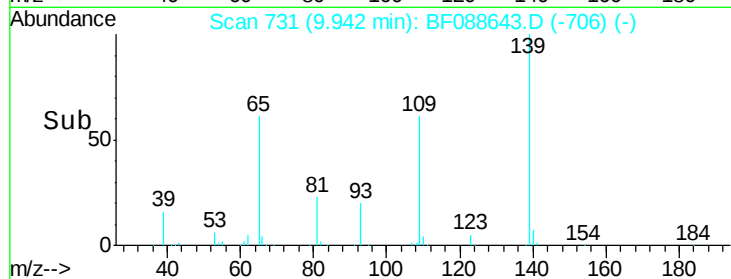
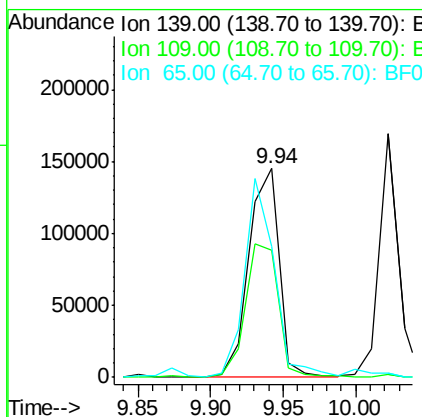
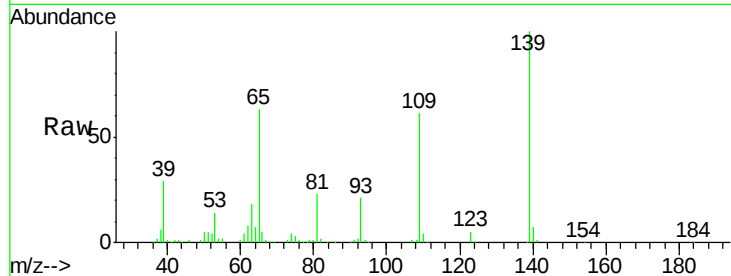




#55  
4-Nitrophenol  
Concen: 67.22 ng  
RT: 9.94 min Scan# 731  
Delta R.T. -0.01 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

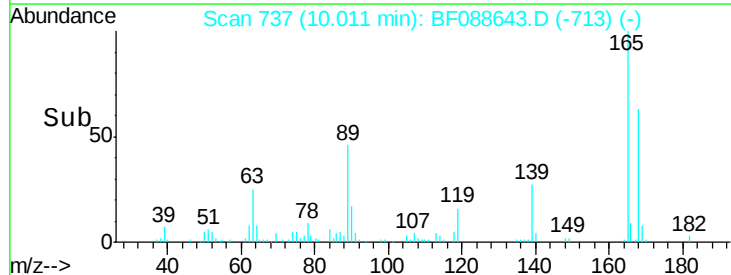
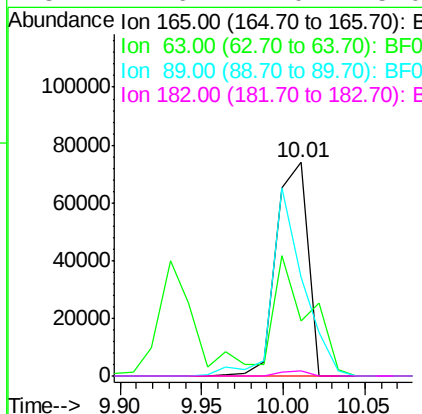
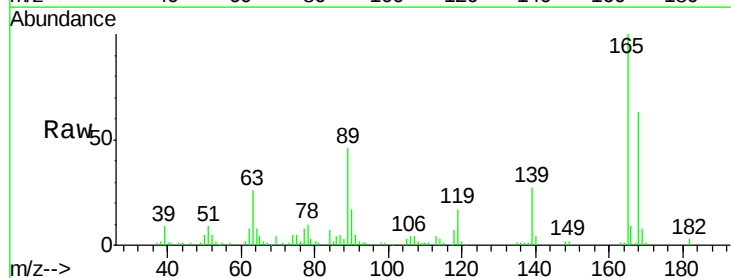
Instrument :  
BNA\_F  
ClientSampleId :

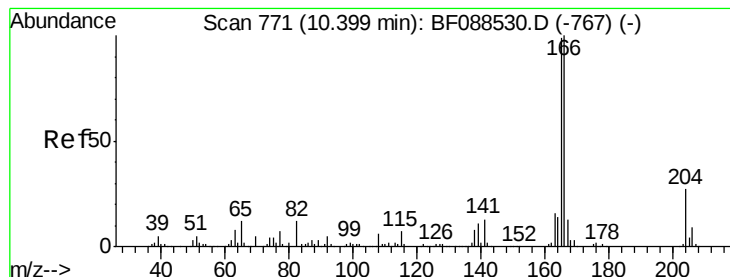
Tot Ion:139 Resp: 210968  
Ion Ratio Lower Upper  
139 100  
109 61.0 48.9 88.9  
65 62.8 84.9 124.9#



#56  
2,4-Dinitrotoluene  
Concen: 23.49 ng  
RT: 10.01 min Scan# 737  
Delta R.T. -0.02 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion:165 Resp: 99762  
Ion Ratio Lower Upper  
165 100  
63 25.7 22.0 33.0  
89 46.2 41.1 61.7  
182 2.6 2.0 3.0





#57

Fluorene

Concen: 23.90 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Instrument :

BNA\_F

ClientSampleId :

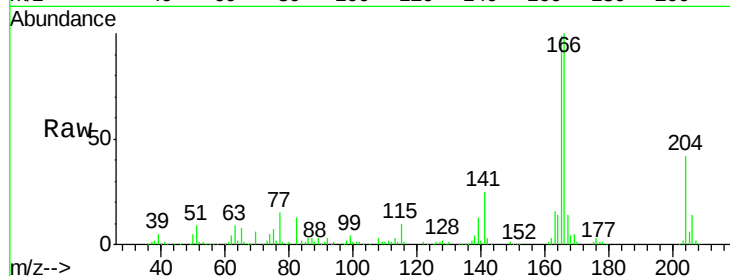
Tot Ion:166 Resp: 314494

Ion Ratio Lower Upper

166 100

165 98.8 77.8 116.8

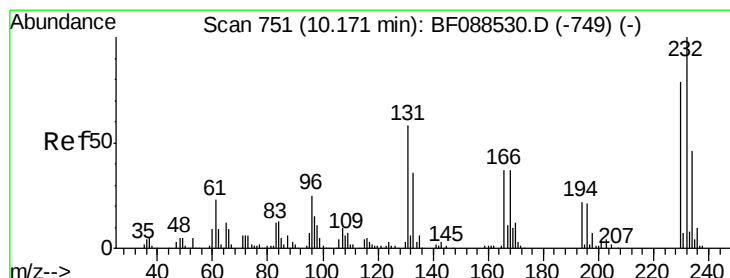
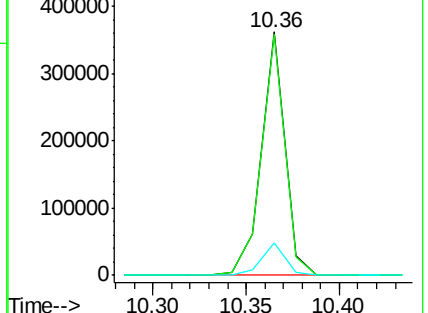
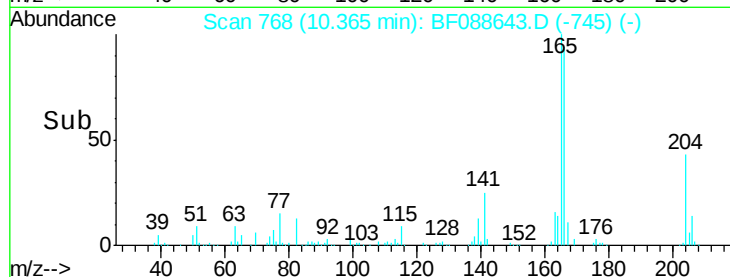
167 13.5 11.2 16.8



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: 25.72 ng

RT: 10.15 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Tgt Ion:232 Resp: 77239

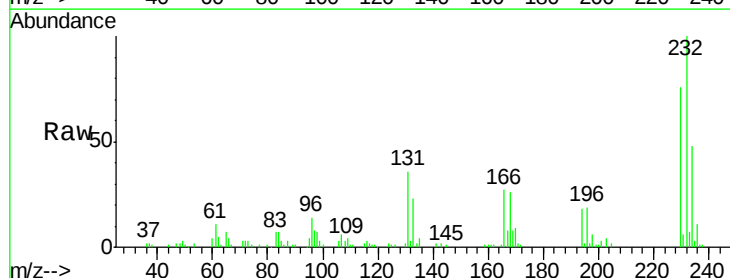
Ion Ratio Lower Upper

232 100

131 50.0 0.9 1.3#

130 2.6 1.5 2.3#

166 32.1 0.5 0.7#

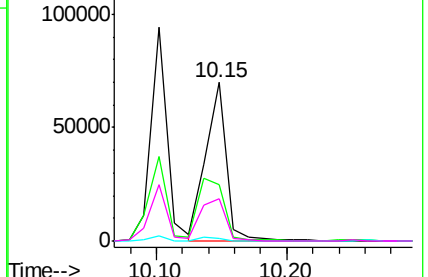
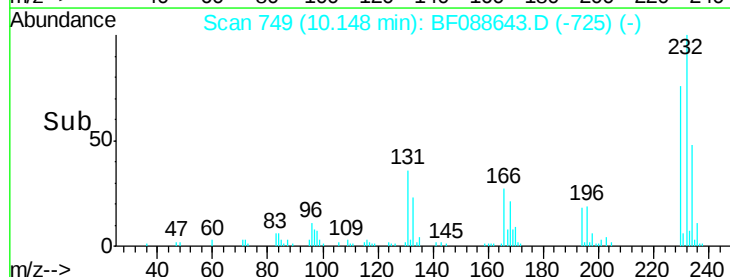


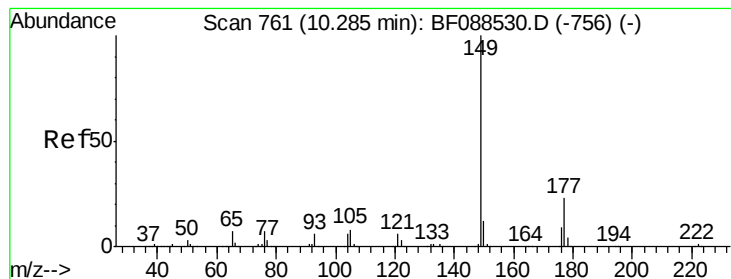
Abundance Ion 232.00 (231.70 to 232.70): E

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: 24.64 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Instrument :

BNA\_F

ClientSampled :

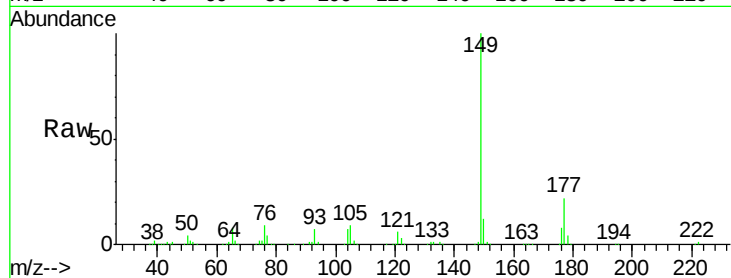
Tot Ion:149 Resp: 362414

Ion Ratio Lower Upper

149 100

177 21.5 16.9 25.3

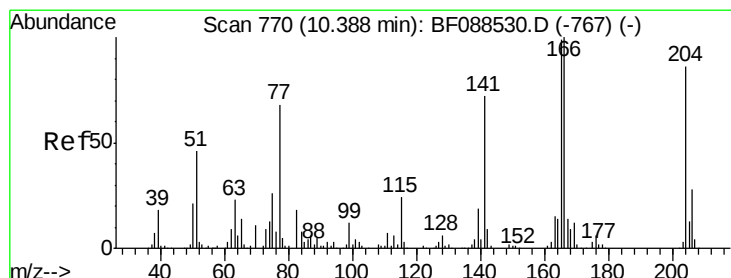
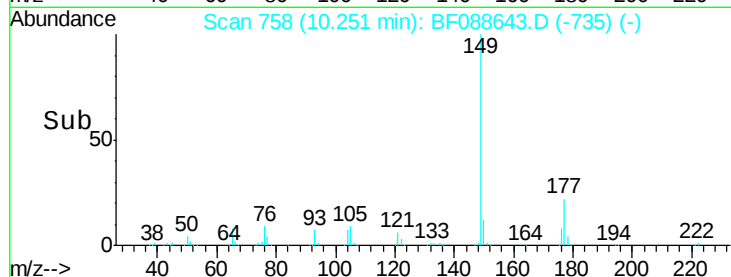
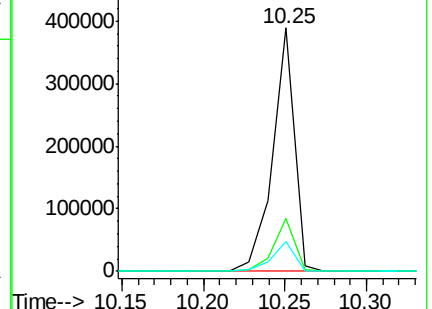
150 12.1 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 23.54 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.02 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

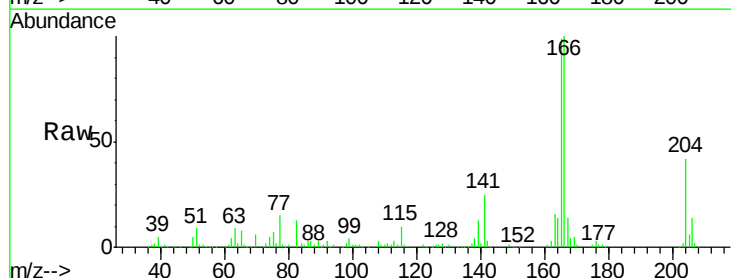
Tgt Ion:204 Resp: 143935

Ion Ratio Lower Upper

204 100

206 33.0 26.3 39.5

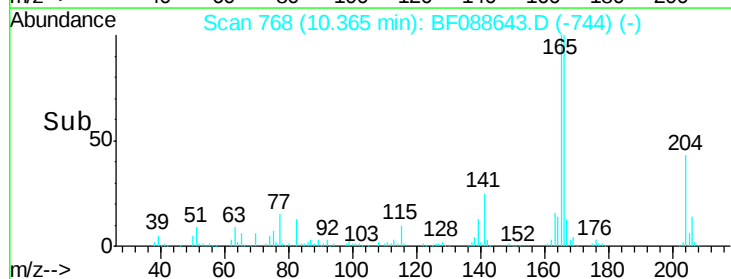
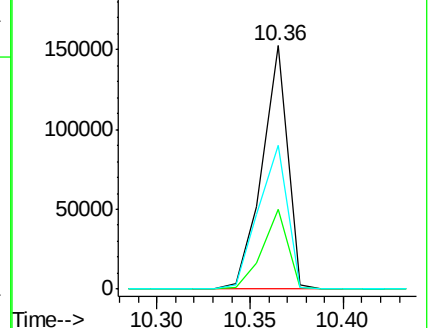
141 59.1 55.0 82.6

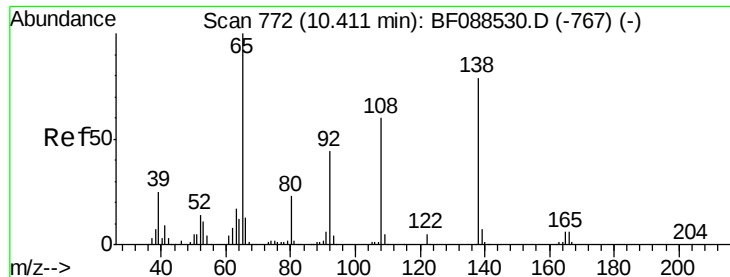


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

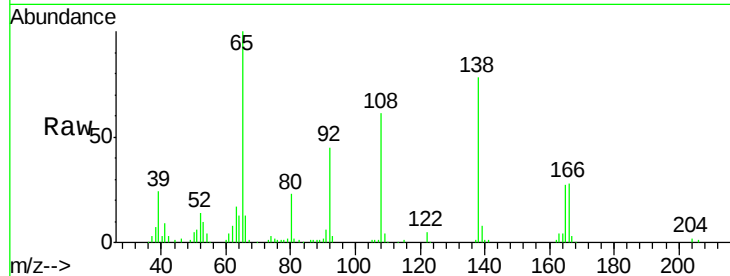




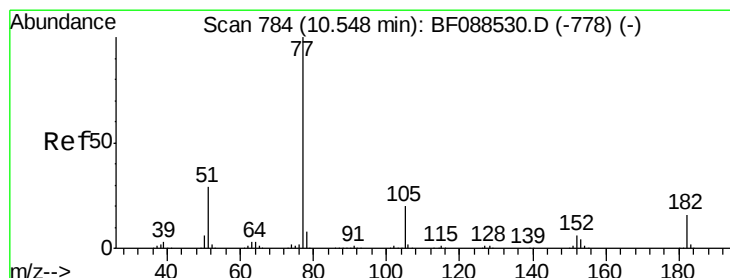
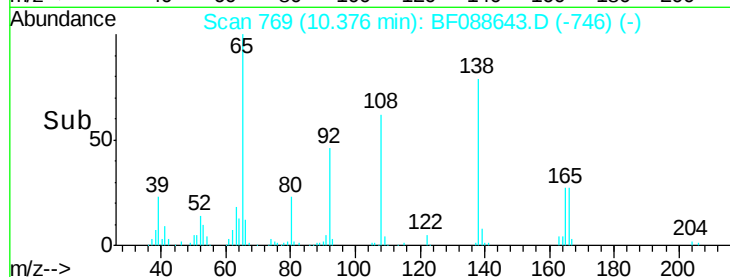
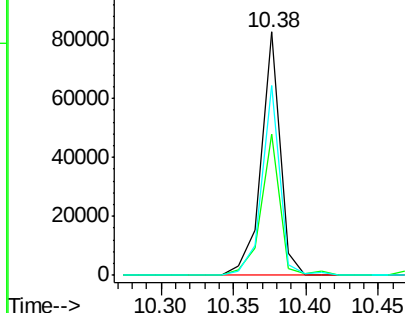
#61  
4-Nitroaniline  
Concen: 18.84 ng  
RT: 10.38 min Scan# 769  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:138 Resp: 74875  
Ion Ratio Lower Upper  
138 100  
92 58.0 27.3 67.3  
108 78.0 46.7 86.7

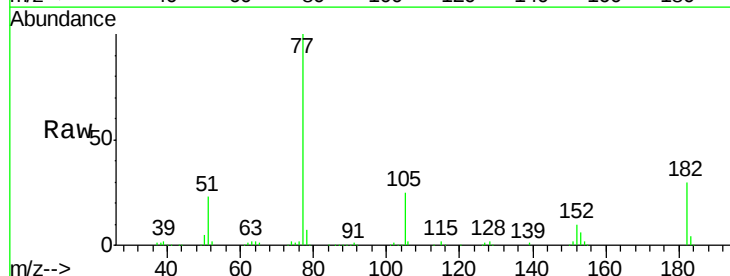


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

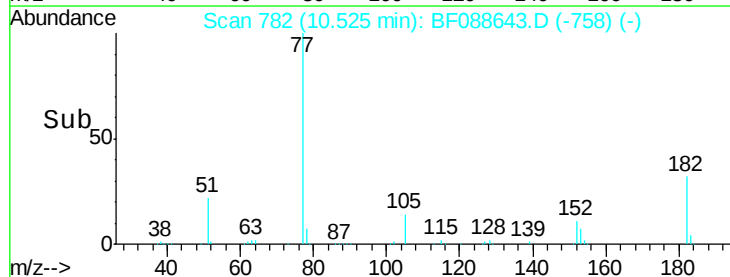
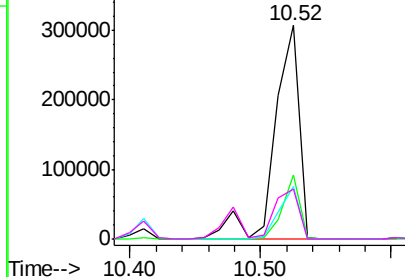


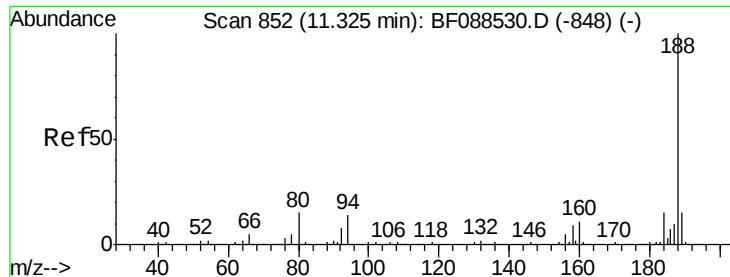
#62  
Azobenzene  
Concen: 24.11 ng  
RT: 10.52 min Scan# 782  
Delta R.T. -0.02 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion: 77 Resp: 404645  
Ion Ratio Lower Upper  
77 100  
182 30.1 4.4 44.4  
105 24.9 3.8 43.8  
51 23.5 9.3 49.3



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

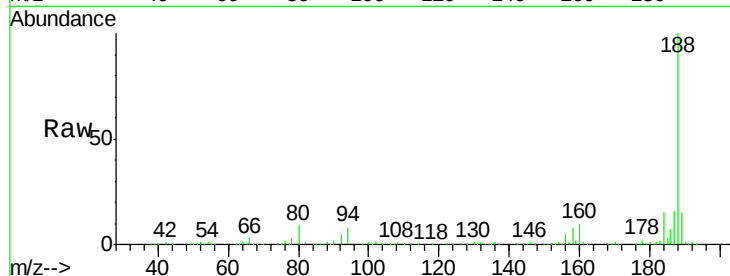




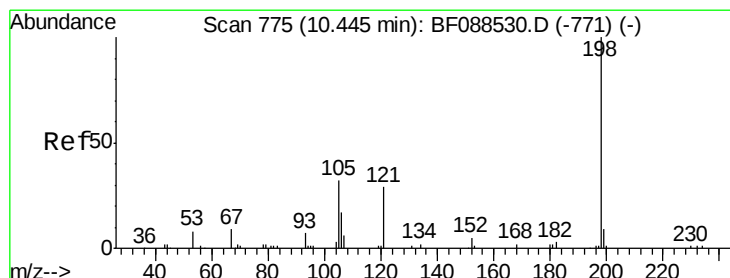
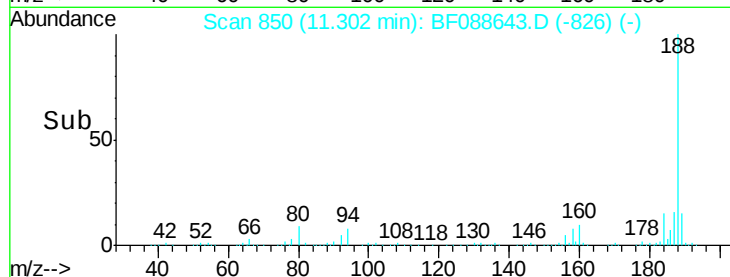
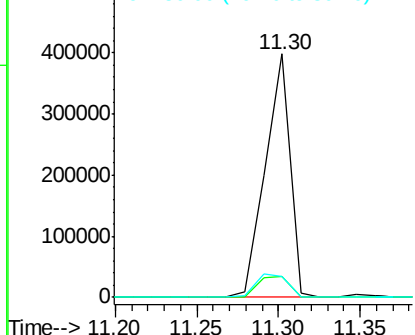
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.30 min Scan# 850  
 Delta R.T. -0.02 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:188 Resp: 421663  
 Ion Ratio Lower Upper  
 188 100  
 94 8.4 9.0 13.6#  
 80 8.6 10.0 15.0#

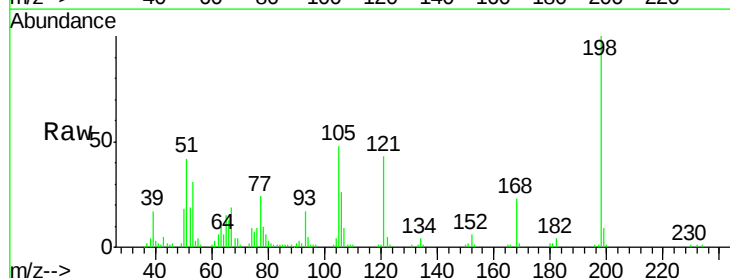


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

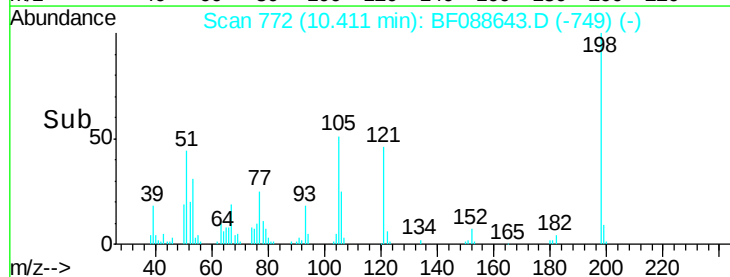
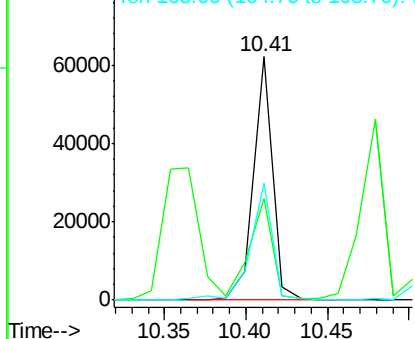


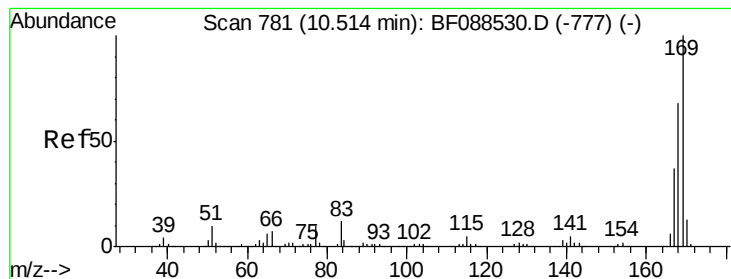
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 22.45 ng  
 RT: 10.41 min Scan# 772  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion:198 Resp: 50629  
 Ion Ratio Lower Upper  
 198 100  
 51 41.5 39.6 79.6  
 105 48.0 36.6 76.6



Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF0  
 Ion 105.00 (104.70 to 105.70): E

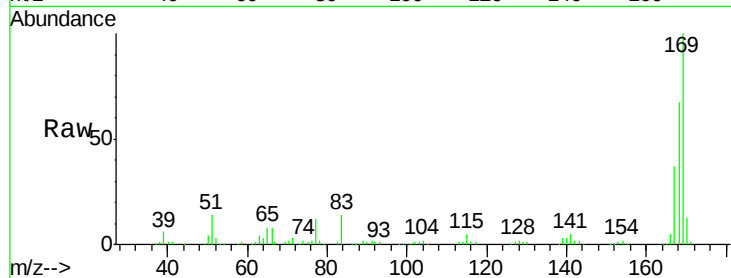




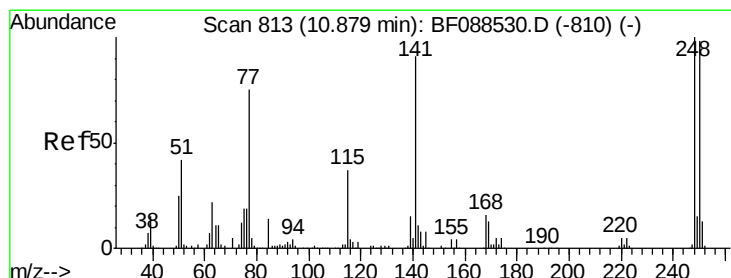
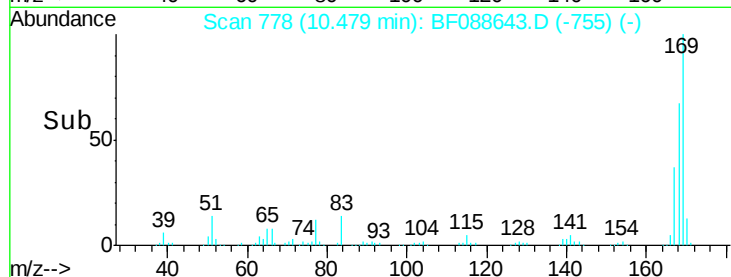
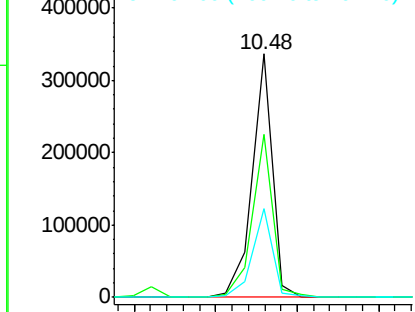
#65  
 n-Nitrosodiphenylamine  
 Concen: 20.30 ng  
 RT: 10.48 min Scan# 778  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:169 Resp: 289768  
 Ion Ratio Lower Upper  
 169 100  
 168 67.1 53.4 80.0  
 167 36.7 29.4 44.0

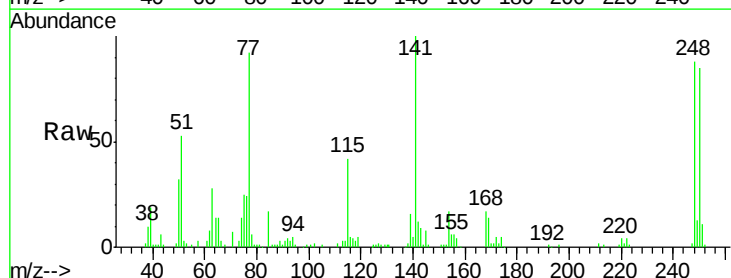


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

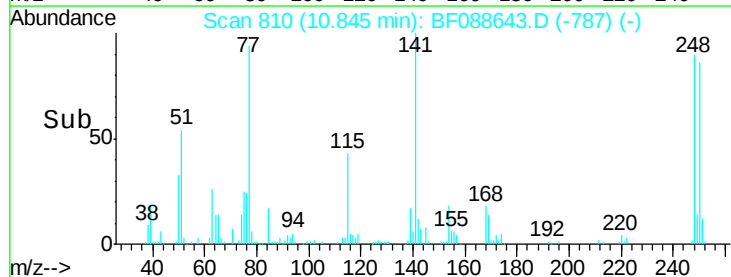
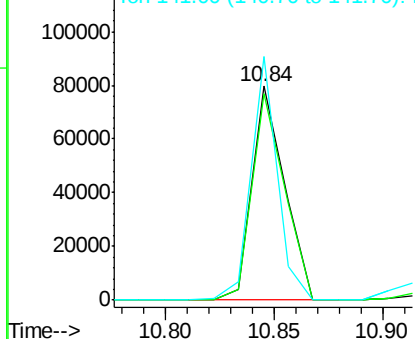


#66  
 4-Bromophenyl-phenylether  
 Concen: 19.53 ng  
 RT: 10.84 min Scan# 810  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion:248 Resp: 82976  
 Ion Ratio Lower Upper  
 248 100  
 250 96.4 77.1 115.7  
 141 113.7 50.6 76.0#



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

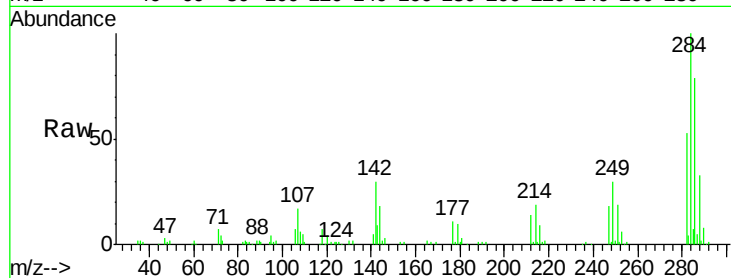




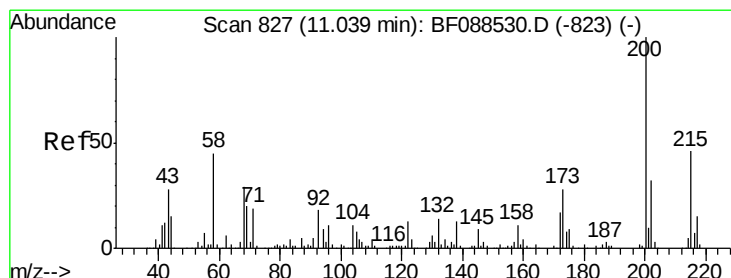
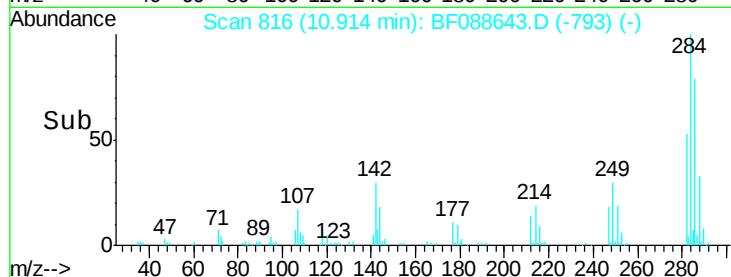
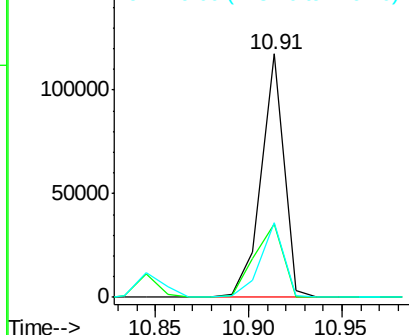
#67  
Hexachlorobenzene  
Concen: 21.00 ng  
RT: 10.91 min Scan# 816  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:284 Resp: 98802  
Ion Ratio Lower Upper  
284 100  
142 30.4 35.8 53.8#  
249 30.5 25.8 38.6

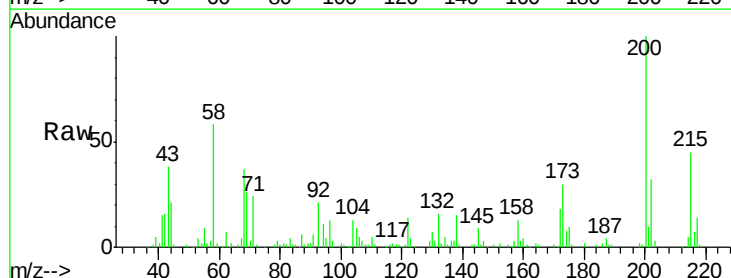


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

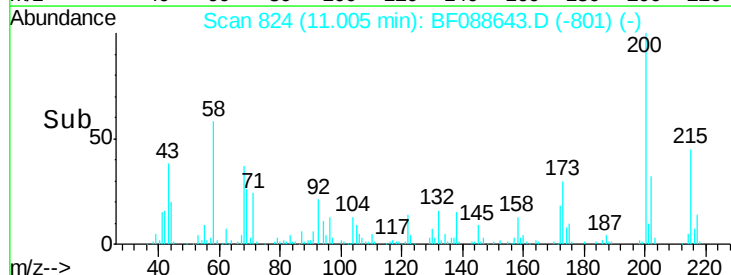
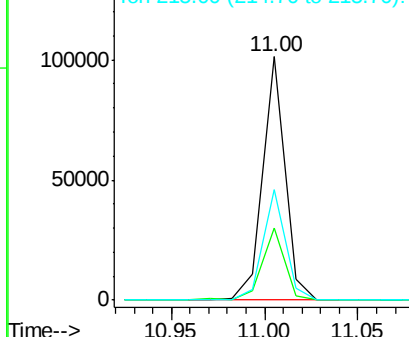


#68  
Atrazine  
Concen: 18.79 ng  
RT: 11.00 min Scan# 824  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion:200 Resp: 83563  
Ion Ratio Lower Upper  
200 100  
173 29.6 4.0 44.0  
215 45.3 29.3 69.3



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

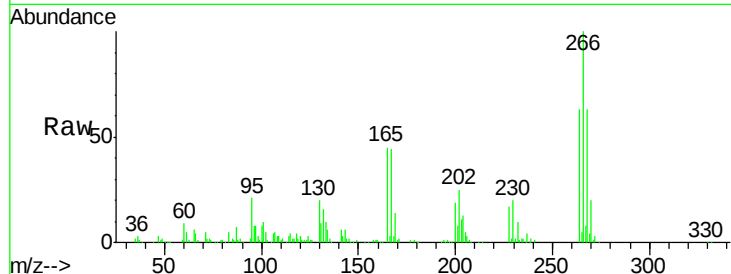




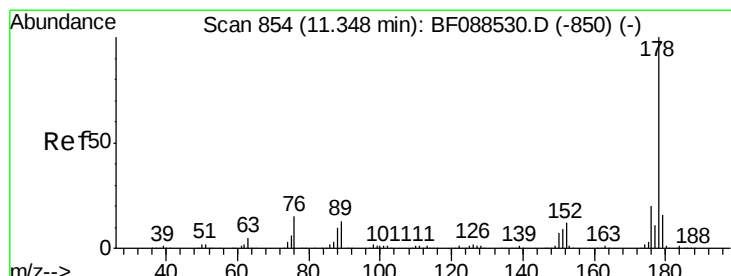
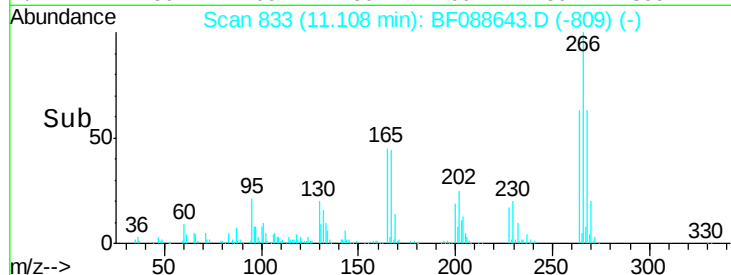
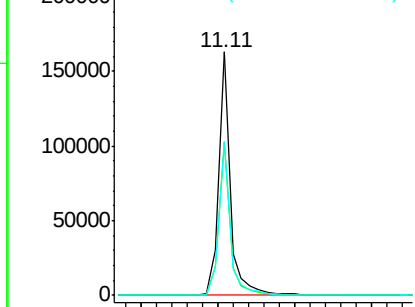
#69  
 Pentachlorophenol  
 Concen: 61.50 ng  
 RT: 11.11 min Scan# 833  
 Delta R.T. -0.02 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:266 Resp: 171193  
 Ion Ratio Lower Upper  
 266 100  
 268 62.8 52.8 79.2  
 264 63.4 49.6 74.4

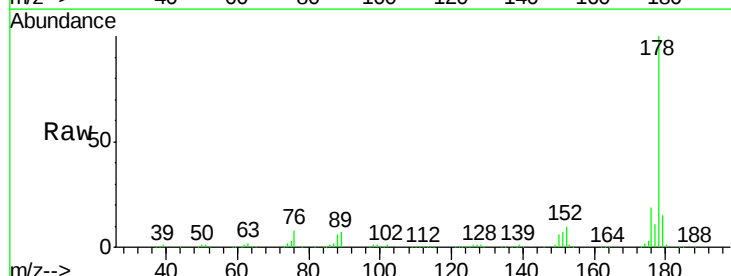


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

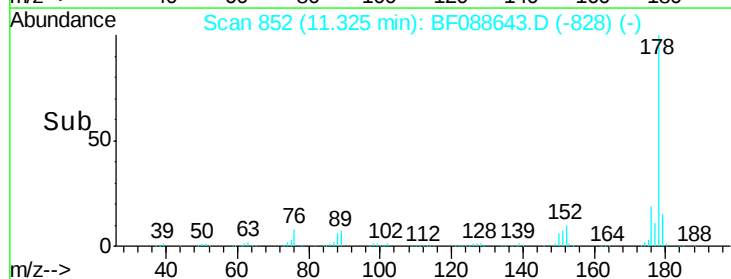
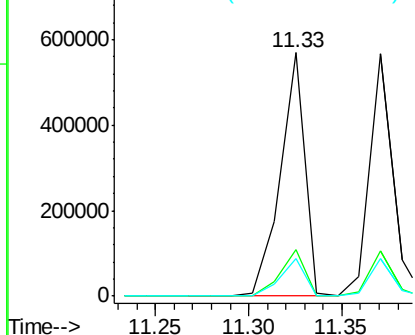


#70  
 Phenanthrene  
 Concen: 22.67 ng  
 RT: 11.33 min Scan# 852  
 Delta R.T. -0.02 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion:178 Resp: 522643  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.8 23.6  
 179 15.2 13.0 19.4



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

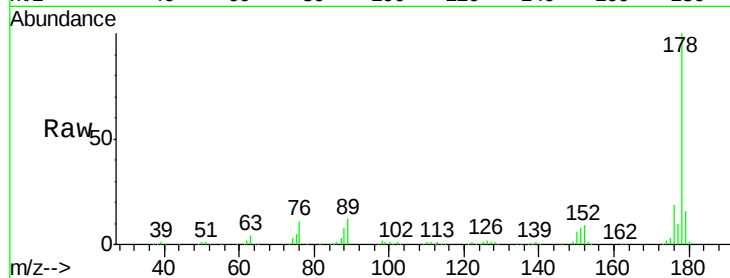




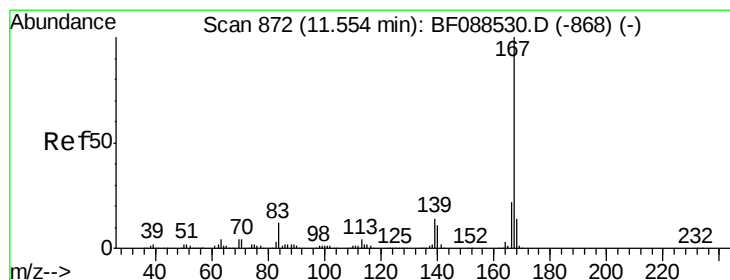
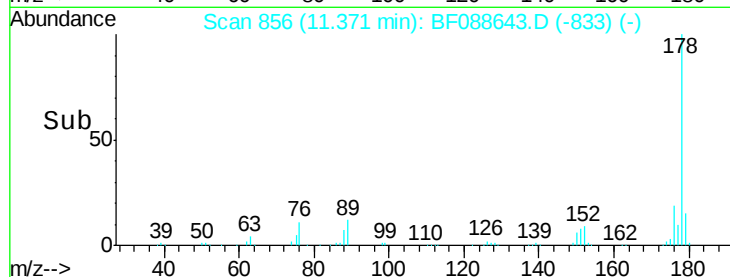
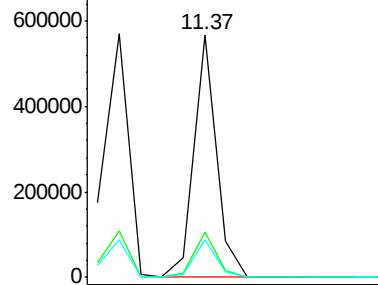
#71  
 Anthracene  
 Concen: 20.91 ng  
 RT: 11.37 min Scan# 856  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 479288  
 Ion Ratio Lower Upper  
 178 100  
 176 18.8 15.6 23.4  
 179 15.6 12.8 19.2

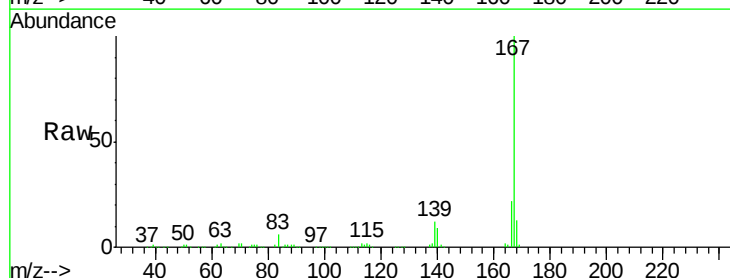


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

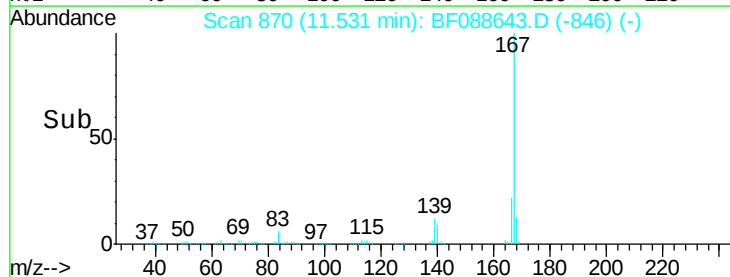
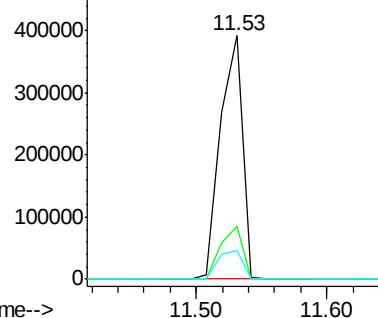


#72  
 Carbazole  
 Concen: 21.40 ng  
 RT: 11.53 min Scan# 870  
 Delta R.T. -0.02 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion:167 Resp: 461586  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 17.8 26.6  
 139 11.8 11.2 16.8



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

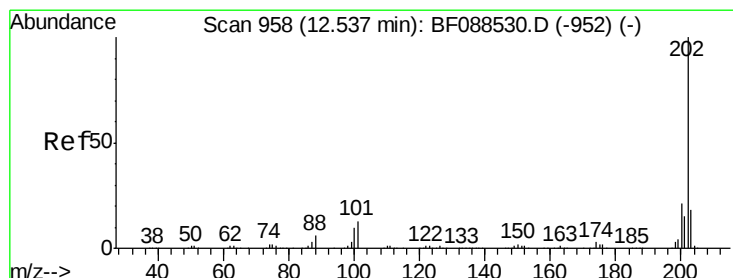
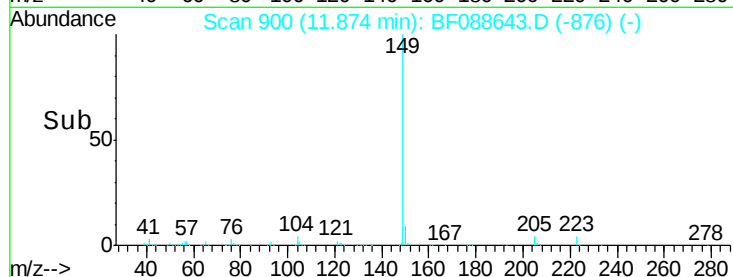
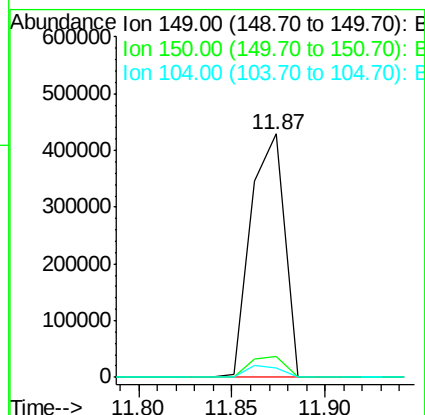
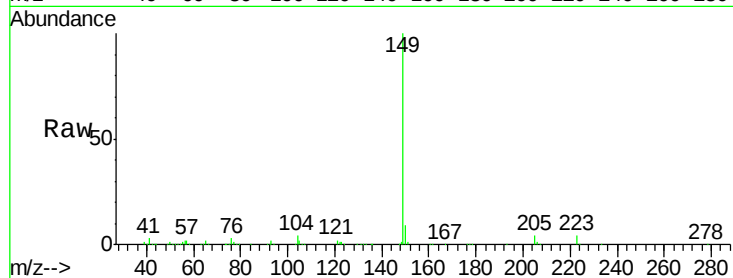




#73  
Di-n-butylphthalate  
Concen: 21.39 ng  
RT: 11.87 min Scan# 900  
Delta R.T. -0.02 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

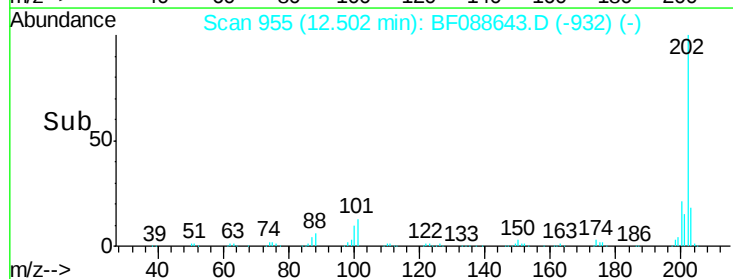
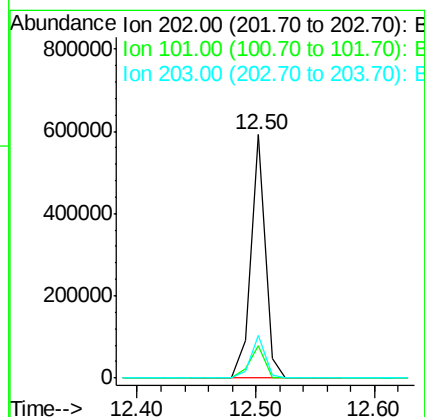
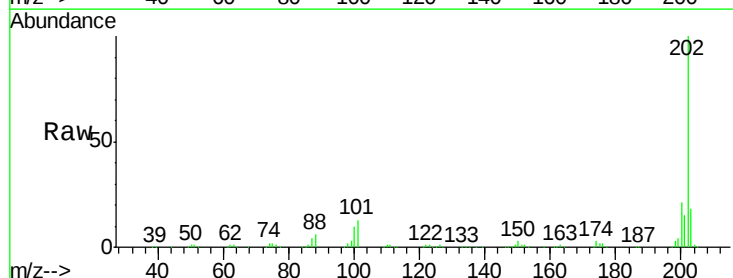
Instrument :  
BNA\_F  
ClientSampleID :

Tot Ion:149 Resp: 536594  
Ion Ratio Lower Upper  
149 100  
150 8.8 7.8 11.6  
104 3.9 4.0 6.0#



#74  
Fluoranthene  
Concen: 21.54 ng  
RT: 12.50 min Scan# 955  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion:202 Resp: 503428  
Ion Ratio Lower Upper  
202 100  
101 13.4 0.0 33.1  
203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Instrument :

BNA\_F

ClientSampled :

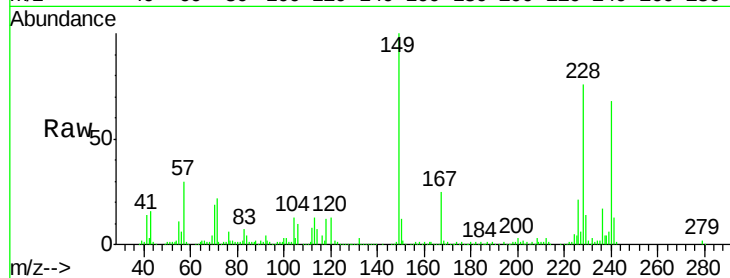
Tot Ion:240 Resp: 314147

Ion Ratio Lower Upper

240 100

120 18.8 6.8 10.2#

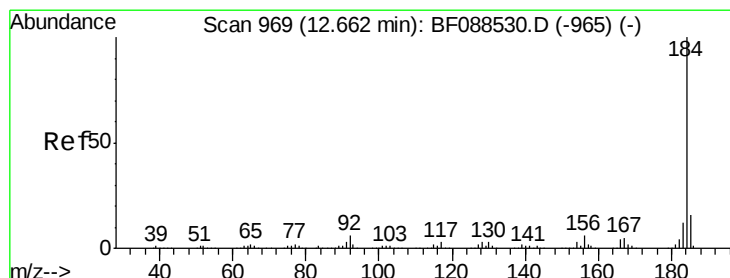
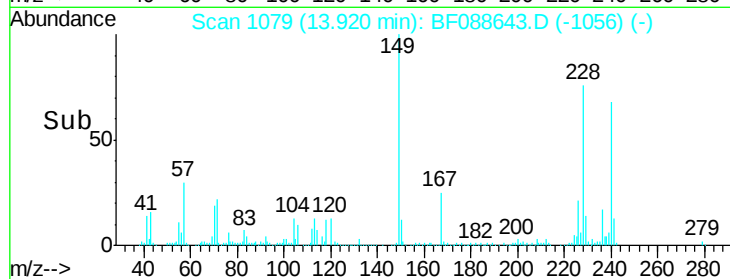
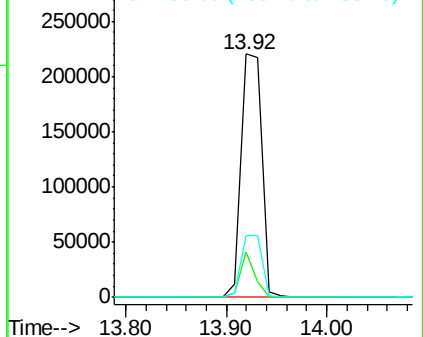
236 25.6 20.2 30.2



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: 3.68 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

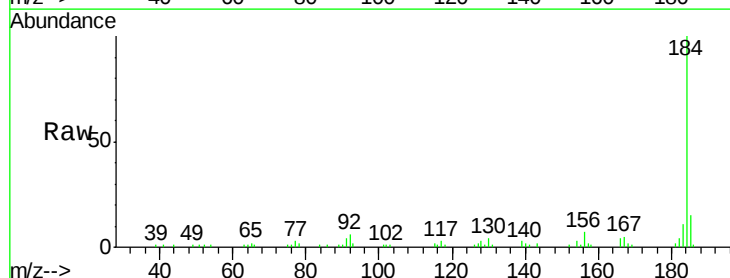
Tgt Ion:184 Resp: 58436

Ion Ratio Lower Upper

184 100

185 15.2 12.5 18.7

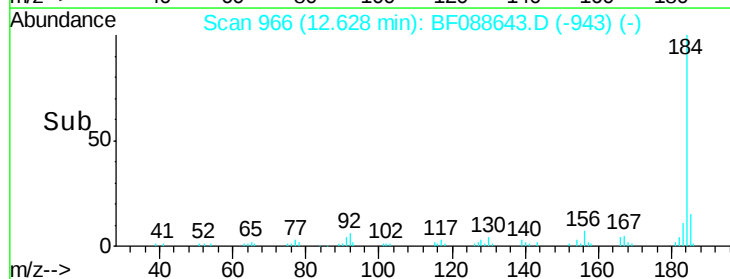
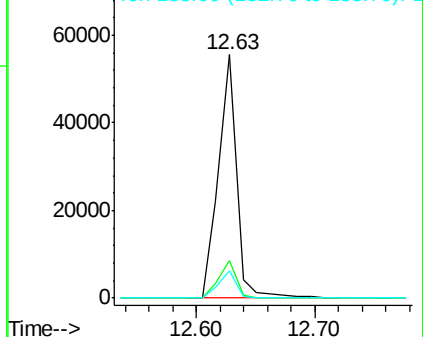
183 11.4 9.3 13.9

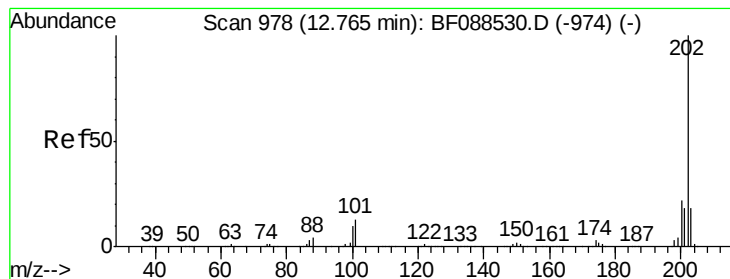


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 20.07 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Instrument :

BNA\_F

ClientSampleId :

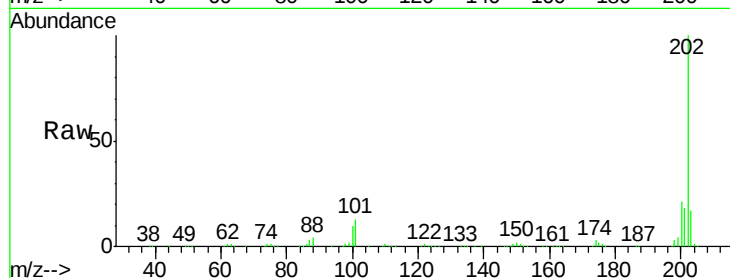
Tot Ion:202 Resp: 534647

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

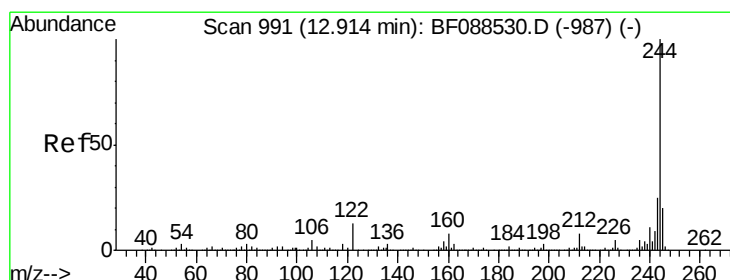
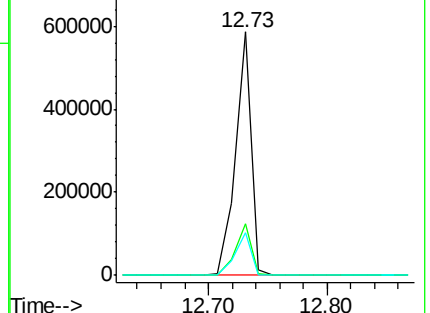
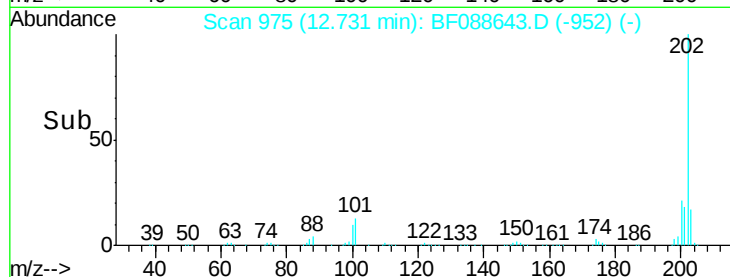
203 17.3 14.5 21.7



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: 68.78 ng

RT: 12.88 min Scan# 988

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

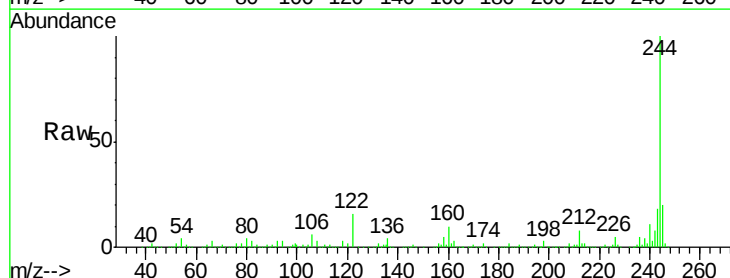
Tgt Ion:244 Resp: 970079

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

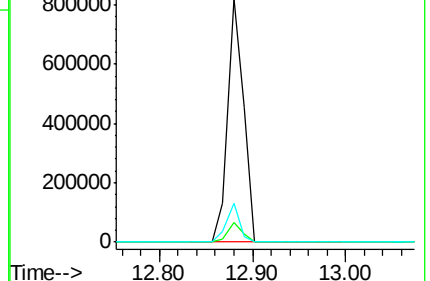
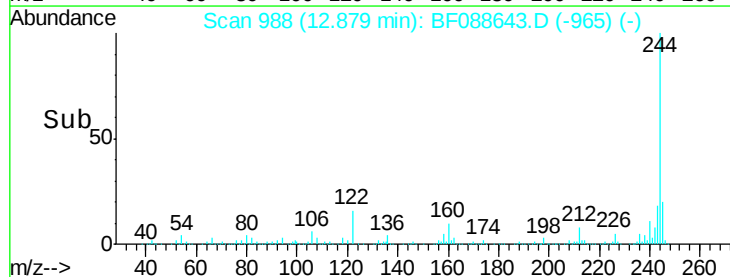
122 16.0 11.2 16.8

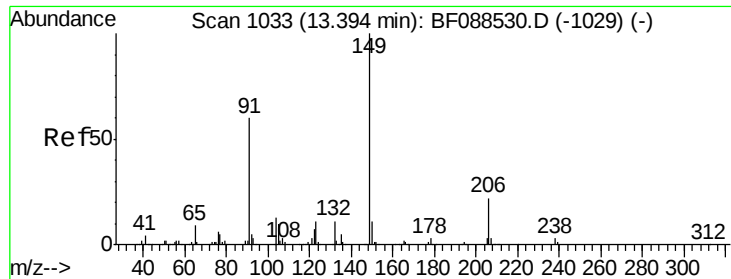


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 20.32 ng

RT: 13.36 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Instrument :

BNA\_F

ClientSampleId :

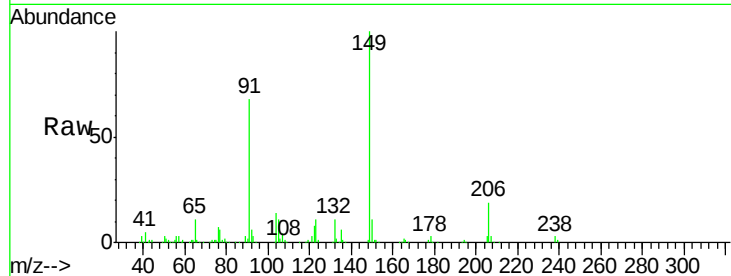
Tot Ion:149 Resp: 241436

Ion Ratio Lower Upper

149 100

91 68.0 48.0 72.0

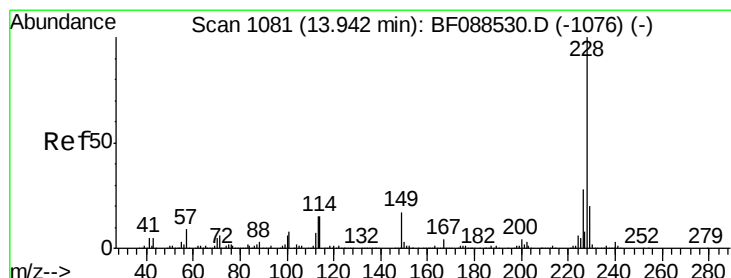
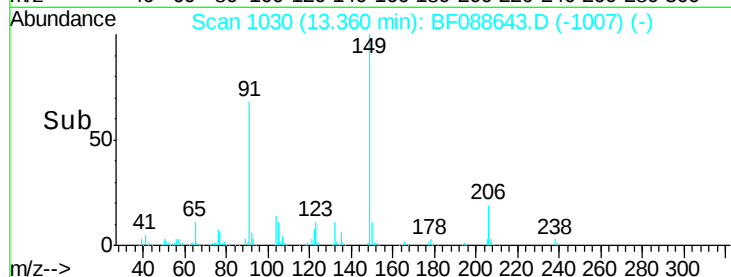
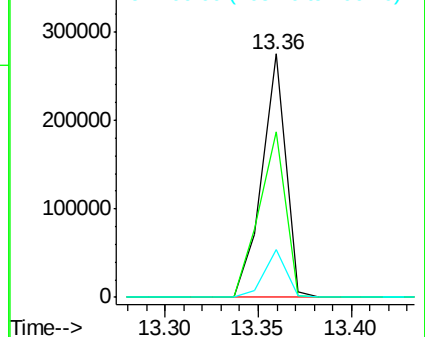
206 19.4 16.0 24.0



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: 20.93 ng

RT: 13.91 min Scan# 1078

Delta R.T. -0.03 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

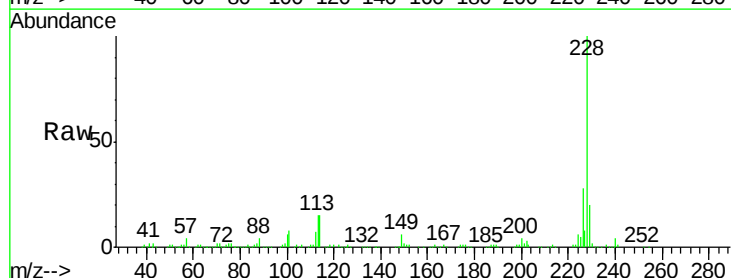
Tgt Ion:228 Resp: 423298

Ion Ratio Lower Upper

228 100

226 28.0 22.3 33.5

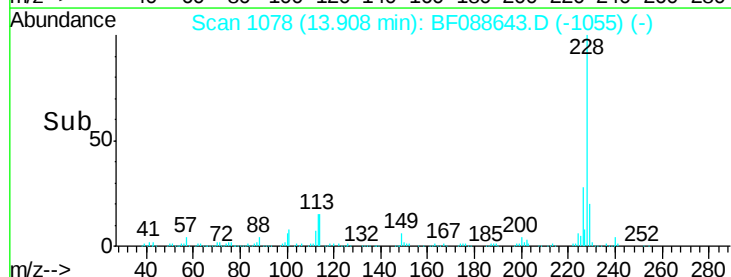
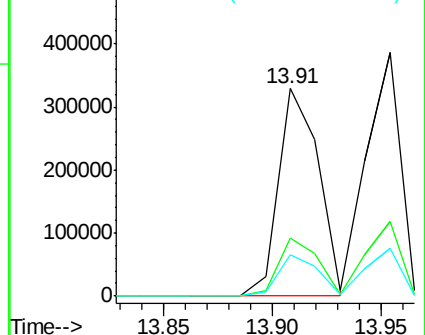
229 20.0 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

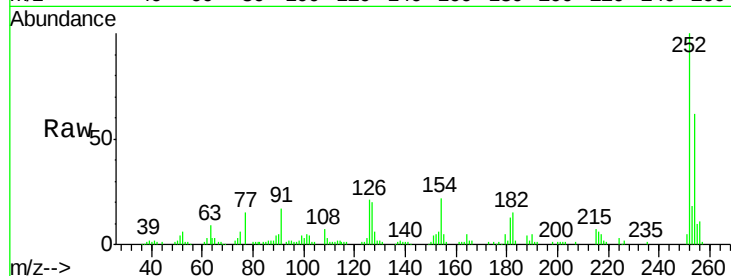




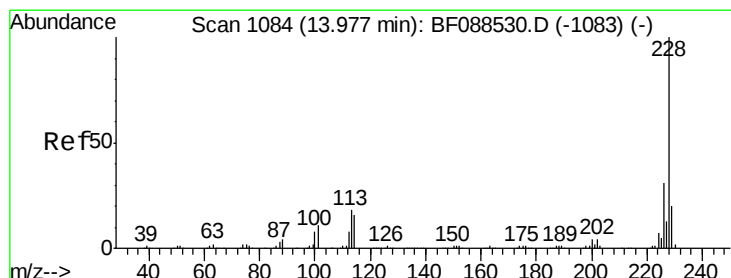
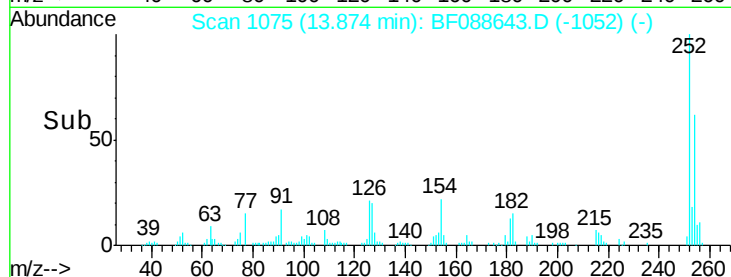
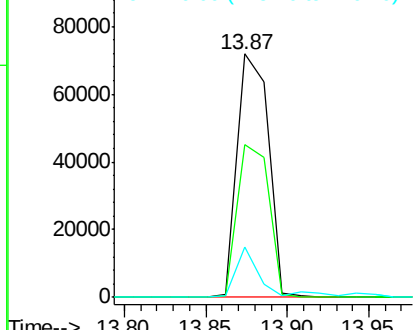
#81  
 3,3'-Dichlorobenzidine  
 Concen: 12.46 ng  
 RT: 13.87 min Scan# 1075  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Instrument :  
 BNA\_F  
 ClientSampleID :

Tot Ion:252 Resp: 94756  
 Ion Ratio Lower Upper  
 252 100  
 254 62.5 52.6 78.8  
 126 20.7 6.2 9.2#

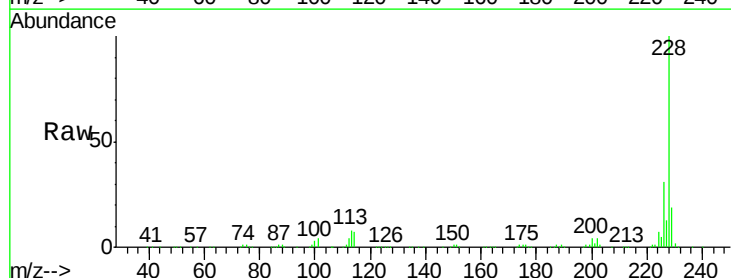


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

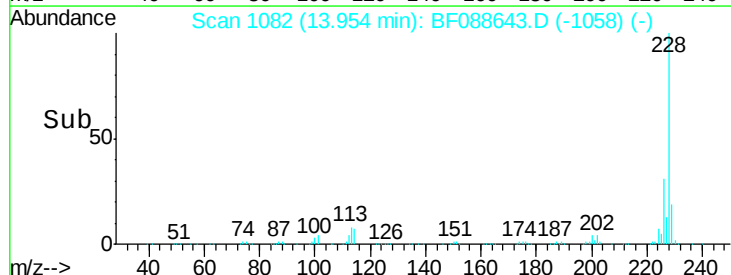
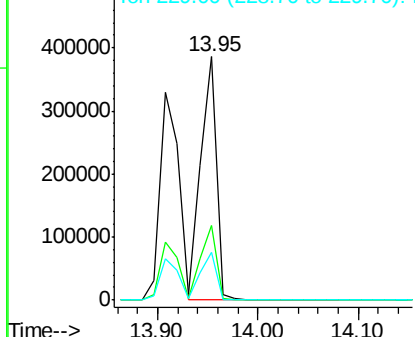


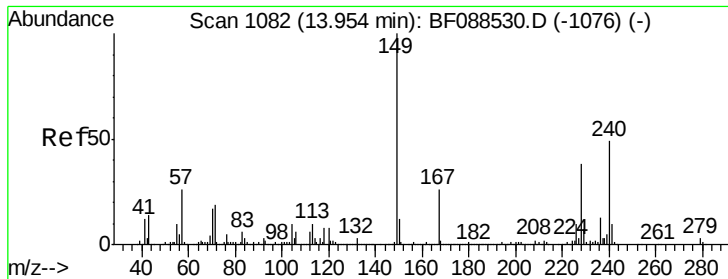
#82  
 Chrysene  
 Concen: 21.06 ng  
 RT: 13.95 min Scan# 1082  
 Delta R.T. -0.02 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

Tgt Ion:228 Resp: 421389  
 Ion Ratio Lower Upper  
 228 100  
 226 30.6 25.4 38.2  
 229 19.5 16.3 24.5



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

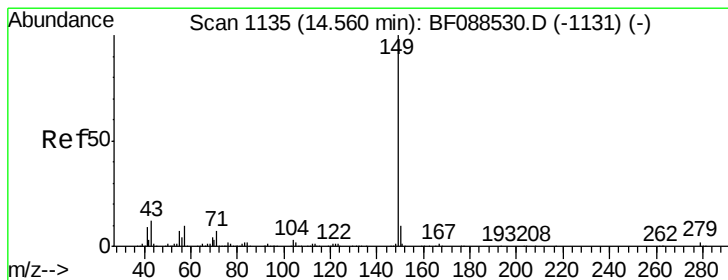
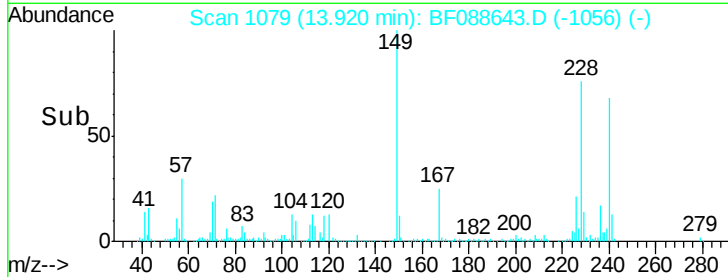
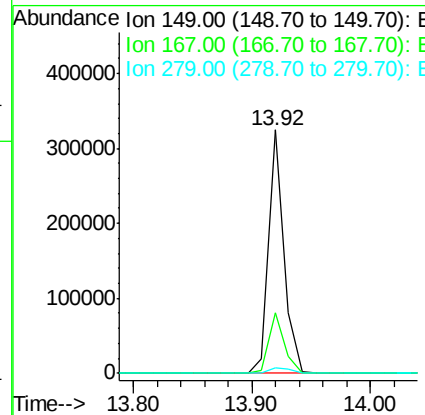
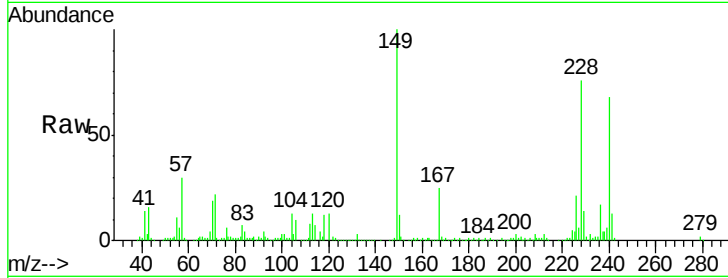




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 21.72 ng  
 RT: 13.92 min Scan# 1079  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

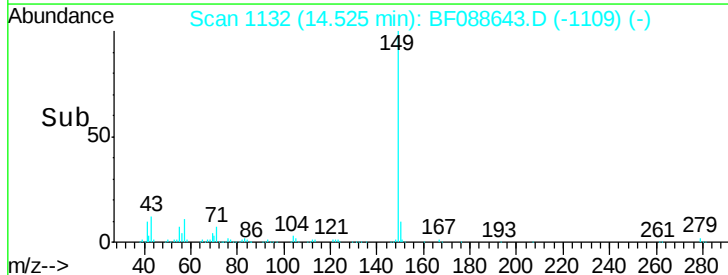
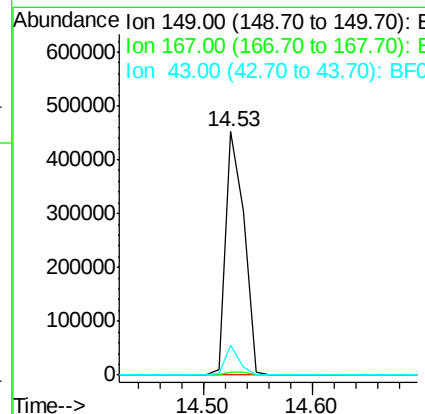
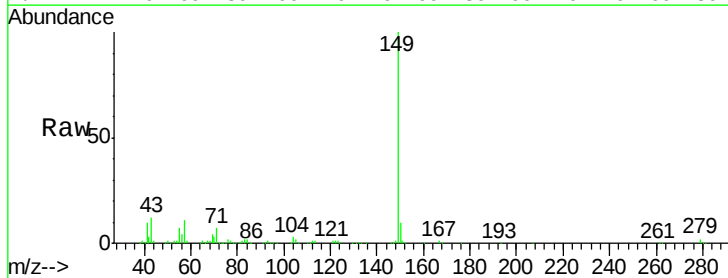
Instrument :  
 BNA\_F  
 ClientSampleId :

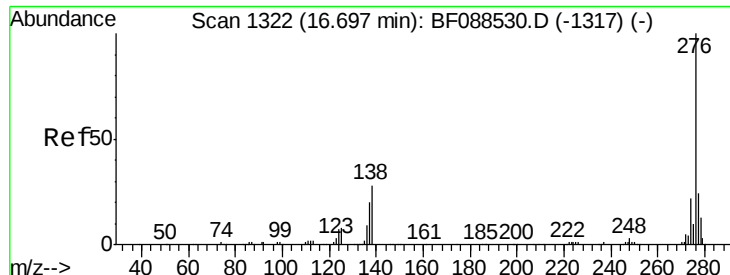
| Tot Ion   | 149  | Resp  | 294617 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 149       | 100  |       |        |
| 167       | 25.0 | 20.5  | 30.7   |
| 279       | 2.2  | 2.0   | 3.0    |



#84  
 Di-n-octyl phthalate  
 Concen: 23.13 ng  
 RT: 14.53 min Scan# 1132  
 Delta R.T. -0.03 min  
 Lab File: BF088643.D  
 Acq: 3 Jul 2016 12:10

| Tgt Ion   | 149 | Resp  | 532998 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 149       | 100 |       |        |
| 167       | 1.4 | 0.0   | 0.0#   |
| 43        | 9.6 | 0.0   | 0.0#   |

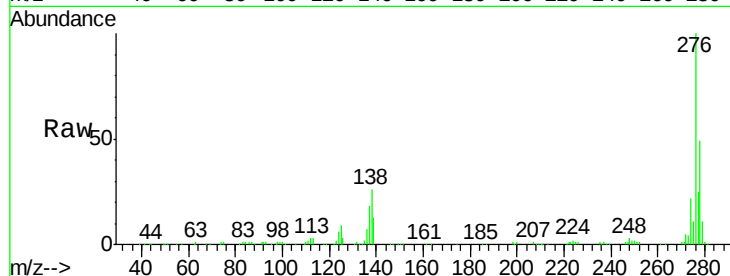




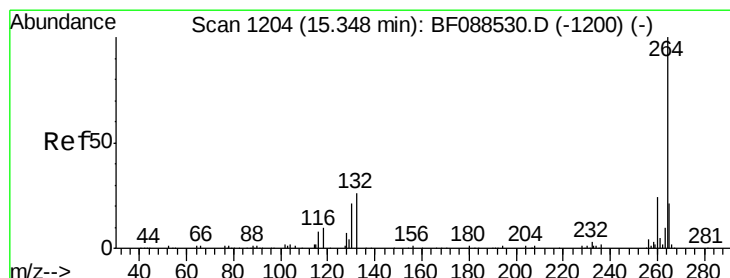
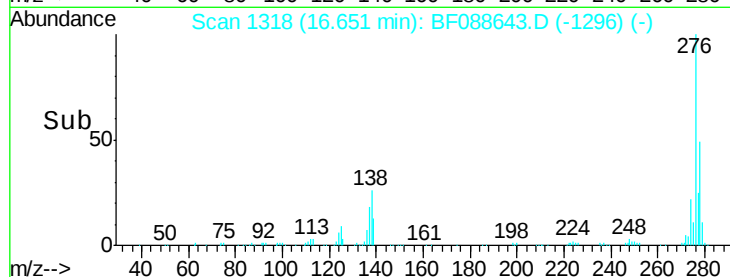
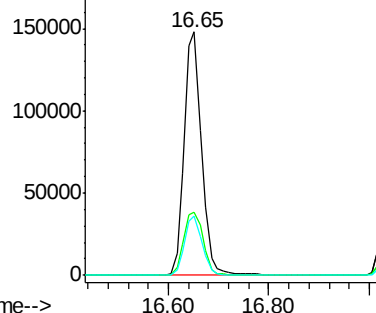
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 23.12 ng  
RT: 16.65 min Scan# 1318  
Delta R.T. -0.05 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:276 Resp: 355964  
Ion Ratio Lower Upper  
276 100  
138 29.5 0.0 0.0#  
277 24.8 0.0 0.0#

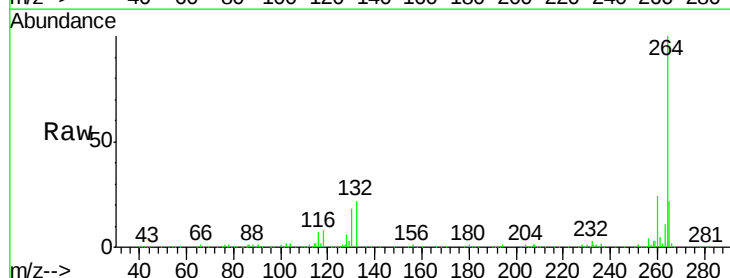


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

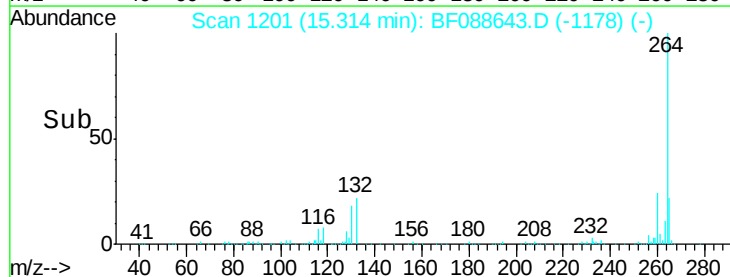
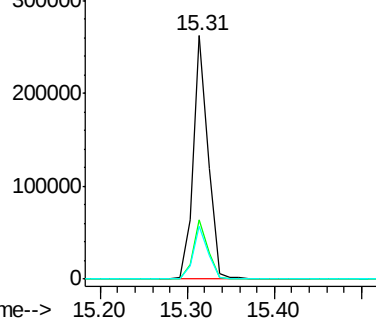


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.31 min Scan# 1201  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion:264 Resp: 315177  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.2 28.8  
265 22.0 16.9 25.3



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

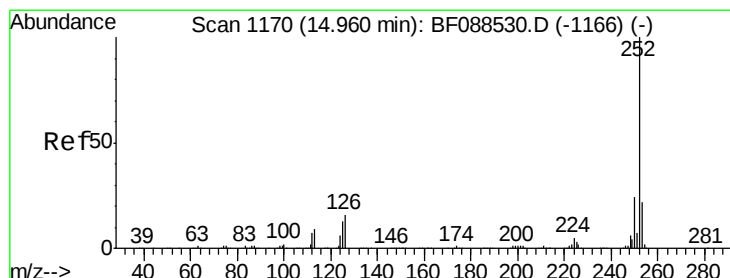
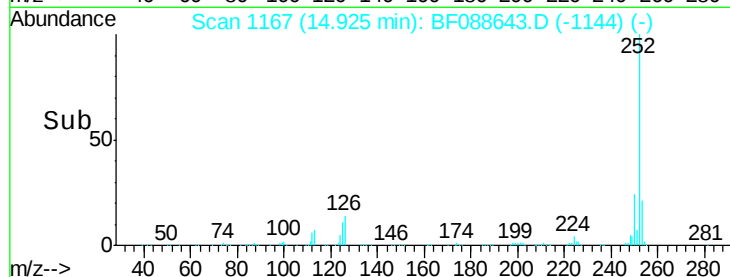
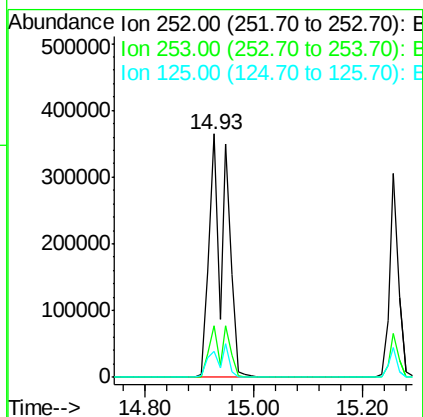
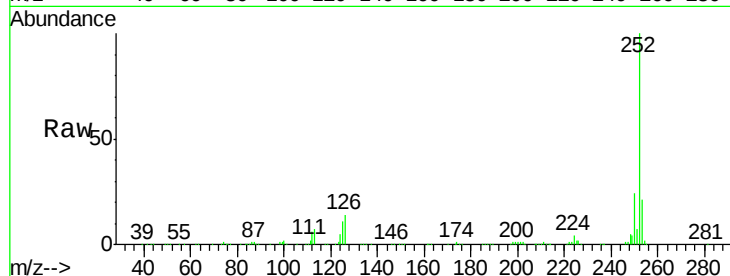




#87  
Benzo(b)fluoranthene  
Concen: 39.54 ng  
RT: 14.93 min Scan# 1167  
Delta R.T. -0.03 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

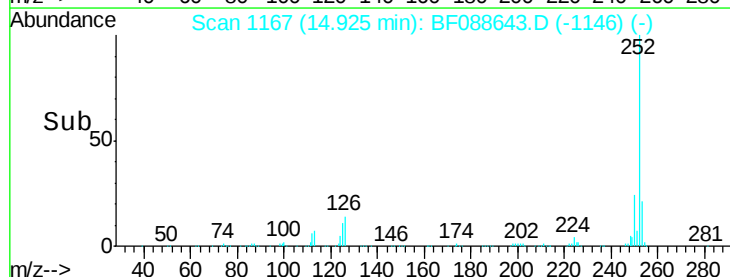
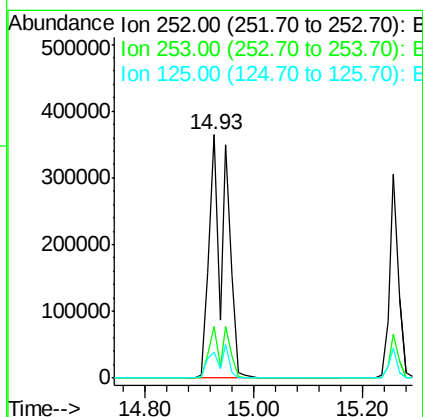
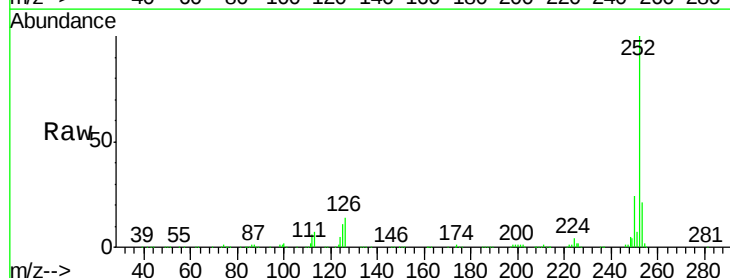
Instrument :  
BNA\_F  
ClientSampleId :

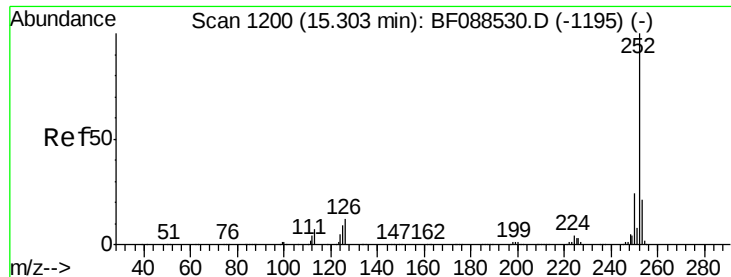
Tot Ion:252 Resp: 781758  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.4 26.2  
125 10.8 7.1 10.7#



#88  
Benzo(k)fluoranthene  
Concen: 45.42 ng  
RT: 14.93 min Scan# 1167  
Delta R.T. -0.06 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion:252 Resp: 781758  
Ion Ratio Lower Upper  
252 100  
253 21.4 18.0 27.0  
125 10.8 11.2 16.8#

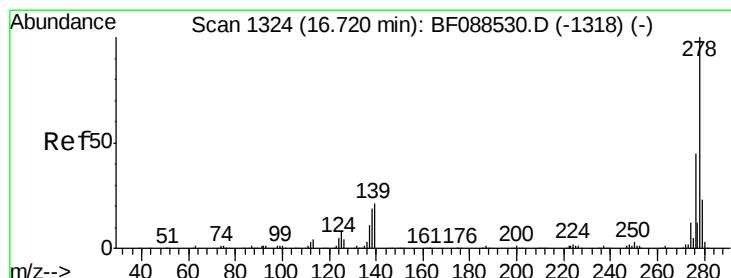
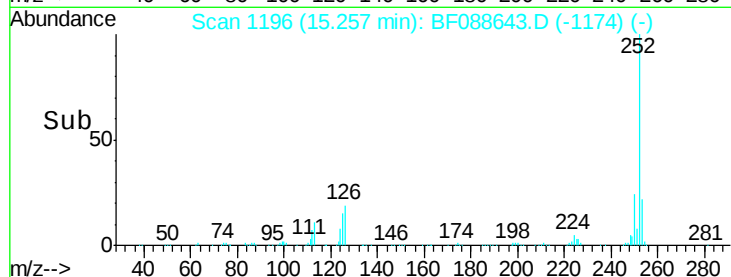
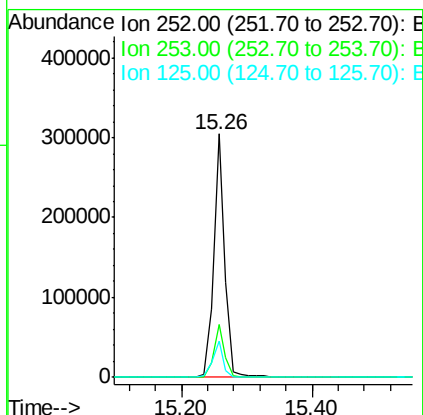
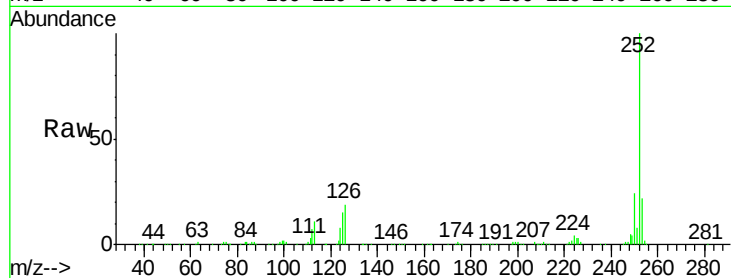




#89  
Benzo(a)pyrene  
Concen: 21.90 ng  
RT: 15.26 min Scan# 1196  
Delta R.T. -0.05 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

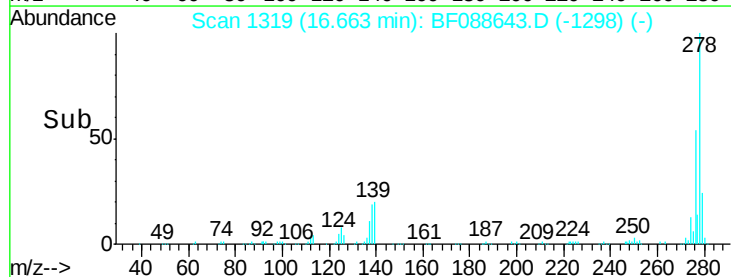
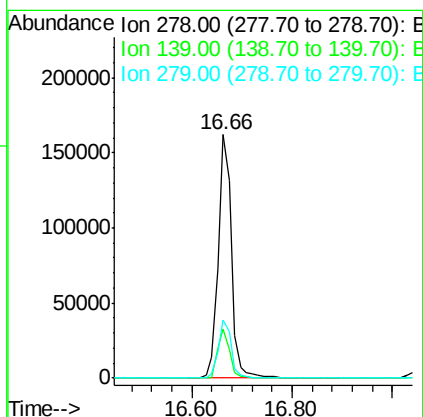
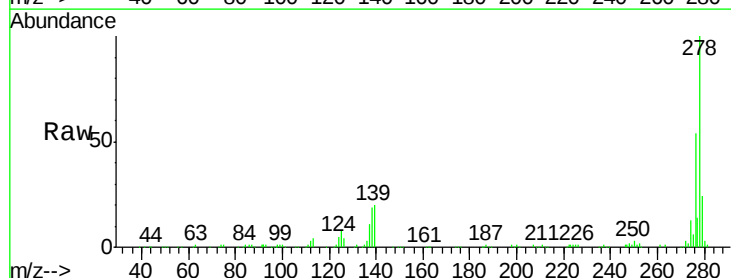
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 366560  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.9 26.9  
125 14.7 12.5 18.7



#90  
Dibenzo(a,h)anthracene  
Concen: 21.28 ng  
RT: 16.66 min Scan# 1319  
Delta R.T. -0.06 min  
Lab File: BF088643.D  
Acq: 3 Jul 2016 12:10

Tgt Ion:278 Resp: 297425  
Ion Ratio Lower Upper  
278 100  
139 19.9 15.7 23.5  
279 23.9 19.4 29.2





#91

Benzo(a,h,i)perylene

Concen: 19.71 ng

RT: 17.05 min Scan# 1353

Delta R.T. -0.06 min

Lab File: BF088643.D

Acq: 3 Jul 2016 12:10

Instrument :

BNA\_F

ClientSampleId :

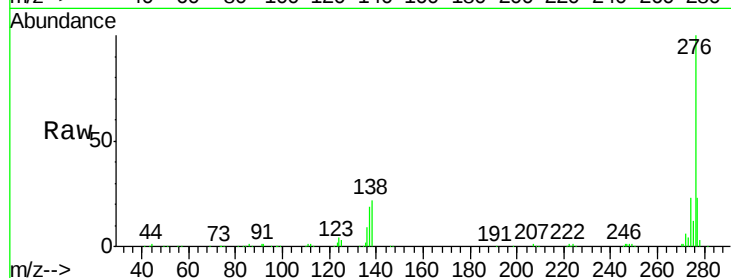
Tot Ion: 276 Resp: 285103

Ion Ratio Lower Upper

276 100

277 22.9 18.9 28.3

138 21.9 21.4 32.2



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

