

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090216\  
 Data File : BF089980.D  
 Acq On : 2 Sep 2016 17:40  
 Operator : UM/SJ  
 Sample : H4675-03MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 02 18:42:07 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 02 13:29:08 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.64  | 152  | 186705   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.93  | 136  | 734350   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.67  | 164  | 342903   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.14 | 188  | 593723   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.76 | 240  | 419302   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.10 | 264  | 441605   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.22  | 112 | 1385717 | 118.80 | ng | 0.01  |
| 7) Phenol-d6             | 6.28  | 99  | 1799224 | 126.94 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.21  | 82  | 1065440 | 84.14  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 10.46 | 330 | 391462  | 115.71 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.00  | 172 | 1842655 | 88.21  | ng | 0.00  |
| 78) Terphenyl-d14        | 12.72 | 244 | 1323264 | 77.96  | ng | -0.01 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.15 | 88  | 185618  | 33.59 | ng | 100    |
| 3) Pyridine                    | 2.79 | 79  | 261597  | 17.74 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 2.73 | 42  | 299081  | 41.13 | ng | 99     |
| 6) Aniline                     | 6.30 | 93  | 522282  | 27.01 | ng | # 78   |
| 8) 2-Chlorophenol              | 6.42 | 128 | 496838  | 39.26 | ng | 91     |
| 9) Benzaldehyde                | 6.17 | 77  | 96483   | 10.55 | ng | 87     |
| 10) Phenol                     | 6.31 | 94  | 569065  | 34.53 | ng | # 78   |
| 11) bis(2-Chloroethyl)ether    | 6.39 | 93  | 544945  | 43.69 | ng | 89     |
| 12) 1,3-Dichlorobenzene        | 6.58 | 146 | 576052  | 40.76 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.58 | 146 | 576052  | 39.84 | ng | 92     |
| 14) 1,2-Dichlorobenzene        | 6.81 | 146 | 555529  | 42.85 | ng | 99     |
| 15) Benzyl Alcohol             | 6.79 | 79  | 373224  | 42.03 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.94 | 45  | 979025  | 41.17 | ng | 98     |
| 17) 2-Methylphenol             | 6.91 | 107 | 445414  | 44.07 | ng | 97     |
| 18) Hexachloroethane           | 7.15 | 117 | 196013  | 39.57 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.07 | 70  | 374023  | 40.50 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.06 | 107 | 493258  | 40.27 | ng | 93     |
| 22) Acetophenone               | 7.06 | 105 | 626049  | 38.00 | ng | 99     |
| 24) Nitrobenzene               | 7.22 | 77  | 511486  | 37.99 | ng | 97     |
| 25) Isophorone                 | 7.47 | 82  | 1008276 | 39.16 | ng | 99     |
| 26) 2-Nitrophenol              | 7.54 | 139 | 256358  | 39.84 | ng | 100    |
| 27) 2,4-Dimethylphenol         | 7.60 | 122 | 478327  | 40.18 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 7.69 | 93  | 663997  | 42.76 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.78 | 162 | 425208  | 39.85 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.87 | 180 | 494245  | 42.36 | ng | 100    |
| 31) Naphthalene                | 7.94 | 128 | 1358986 | 37.15 | ng | 100    |
| 32) Benzoic acid               | 7.70 | 122 | 154987  | 19.33 | ng | 97     |
| 33) 4-Chloroaniline            | 8.00 | 127 | 479793  | 32.51 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.07 | 225 | 262322  | 38.37 | ng | 98     |
| 35) Caprolactam                | 8.36 | 113 | 130218  | 38.66 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 8.49 | 107 | 462092  | 40.89 | ng | 88     |
| 37) 2-Methylnaphthalene        | 8.64 | 142 | 1022092 | 42.28 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.80 | 216 | 356735  | 35.51 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 8.79 | 237 | 331089  | 64.28 | ng | 92     |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090216\  
 Data File : BF089980.D  
 Acq On : 2 Sep 2016 17:40  
 Operator : UM/SJ  
 Sample : H4675-03MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

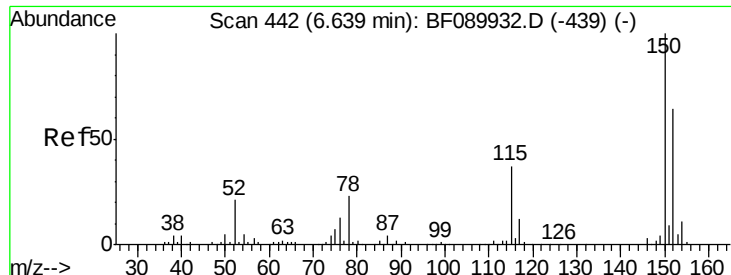
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 02 18:42:07 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 02 13:29:08 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.91  | 196  | 296915   | 42.65 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 8.96  | 196  | 310616   | 46.40 | nq    | # 92     |
| 45) 1,1'-Biphenyl              | 9.10  | 154  | 936871   | 33.93 | nq    | 100      |
| 46) 2-Chloronaphthalene        | 9.12  | 162  | 835970   | 42.80 | nq    | 99       |
| 47) 2-Nitroaniline             | 9.22  | 65   | 286718   | 44.91 | nq    | # 56     |
| 48) Acenaphthylene             | 9.53  | 152  | 1301971  | 40.32 | nq    | 99       |
| 49) Dimethylphthalate          | 9.42  | 163  | 1873896  | 75.61 | nq    | # 98     |
| 50) 2,6-Dinitrotoluene         | 9.46  | 165  | 217710   | 39.50 | nq    | 95       |
| 51) Acenaphthene               | 9.70  | 154  | 868193   | 42.43 | nq    | 100      |
| 52) 3-Nitroaniline             | 9.62  | 138  | 197524   | 31.42 | nq    | 100      |
| 53) 2,4-Dinitrophenol          | 9.74  | 184  | 170440   | 54.25 | nq    | # 55     |
| 54) Dibenzofuran               | 9.87  | 168  | 1197554  | 43.68 | nq    | 100      |
| 55) 4-Nitrophenol              | 9.79  | 139  | 303622   | 64.03 | nq    | # 62     |
| 56) 2,4-Dinitrotoluene         | 9.86  | 165  | 298327   | 42.68 | nq    | 95       |
| 57) Fluorene                   | 10.22 | 166  | 884359   | 44.14 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.00 | 232  | 242700   | 42.35 | nq    | 97       |
| 59) Diethylphthalate           | 10.10 | 149  | 949896   | 40.74 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.22 | 204  | 413376   | 43.84 | nq    | 98       |
| 61) 4-Nitroaniline             | 10.24 | 138  | 247922   | 40.14 | nq    | 98       |
| 62) Azobenzene                 | 10.36 | 77   | 965596   | 41.46 | nq    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 10.26 | 198  | 123833   | 32.58 | nq    | 94       |
| 65) n-Nitrosodiphenylamine     | 10.33 | 169  | 765817   | 42.90 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.70 | 248  | 265856   | 44.48 | nq    | 99       |
| 67) Hexachlorobenzene          | 10.75 | 284  | 263755   | 38.63 | nq    | 99       |
| 68) Atrazine                   | 10.86 | 200  | 263299   | 44.19 | nq    | 99       |
| 69) Pentachlorophenol          | 10.95 | 266  | 285460   | 77.72 | nq    | 99       |
| 70) Phenanthrene               | 11.16 | 178  | 1253355  | 42.39 | nq    | 99       |
| 71) Anthracene                 | 11.21 | 178  | 1188120  | 39.62 | nq    | 100      |
| 72) Carbazole                  | 11.37 | 167  | 1107657  | 39.39 | nq    | 100      |
| 73) Di-n-butylphthalate        | 11.71 | 149  | 1369171  | 41.78 | nq    | 100      |
| 74) Fluoranthene               | 12.34 | 202  | 1257541  | 40.59 | nq    | 99       |
| 76) Benzidine                  | 12.47 | 184  | 46530    | 2.93  | nq    | 96       |
| 77) Pyrene                     | 12.56 | 202  | 1153903  | 39.03 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.20 | 149  | 518830   | 43.52 | nq    | 98       |
| 80) Benzo(a)anthracene         | 13.75 | 228  | 1061885  | 41.35 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.71 | 252  | 339004   | 36.57 | nq    | 99       |
| 82) Chrysene                   | 13.78 | 228  | 1010099  | 42.11 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.77 | 149  | 714131   | 43.31 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.38 | 149  | 1238499  | 46.53 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.33 | 276  | 1007953  | 56.83 | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 14.77 | 252  | 2023246  | 73.13 | nq    | # 97     |
| 88) Benzo(k)fluoranthene       | 14.77 | 252  | 2023246  | 86.19 | nq    | 99       |
| 89) Benzo(a)pyrene             | 15.05 | 252  | 999594   | 42.17 | nq    | # 98     |
| 90) Dibenzo(a,h)anthracene     | 16.35 | 278  | 861850   | 49.63 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 16.70 | 276  | 819664   | 46.89 | nq    | # 93     |

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



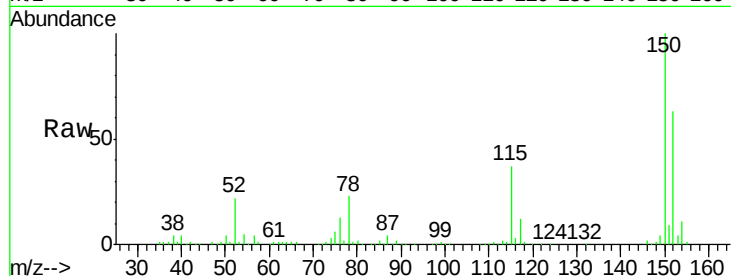


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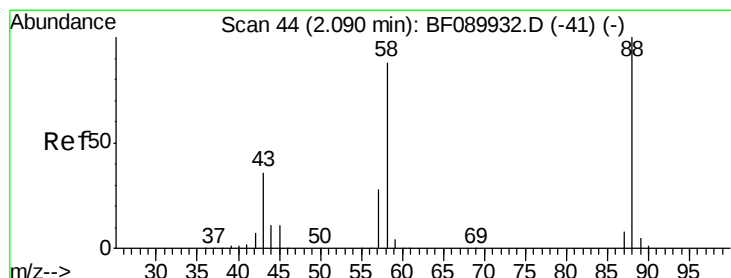
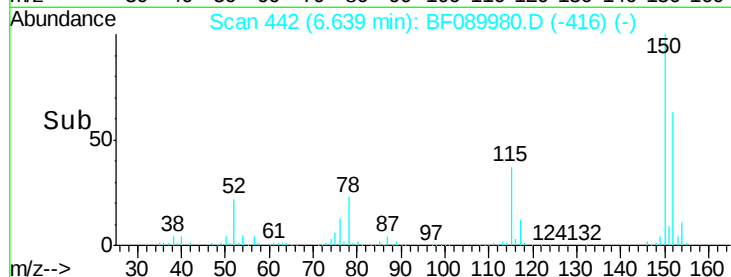
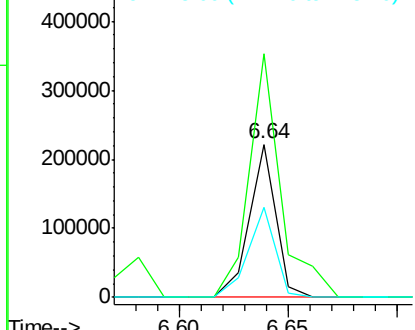
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.64 min Scan# 442  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 186705  
Ion Ratio Lower Upper  
152 100  
150 158.7 127.4 191.2  
115 59.0 46.3 69.5



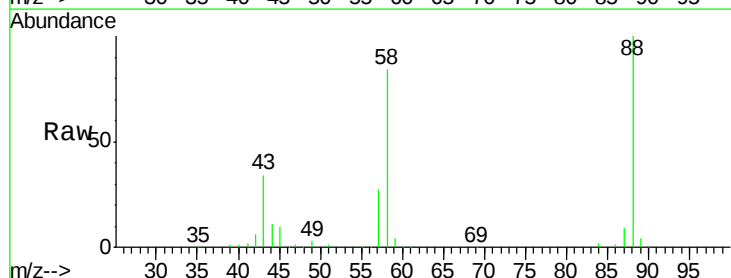
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



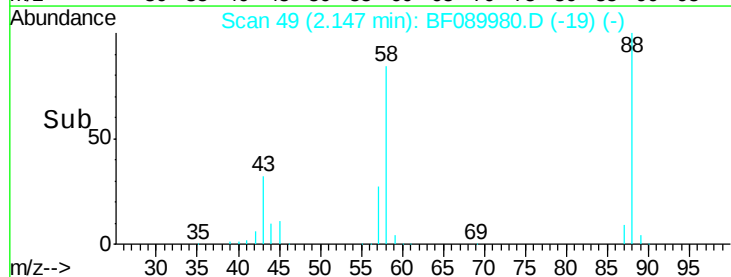
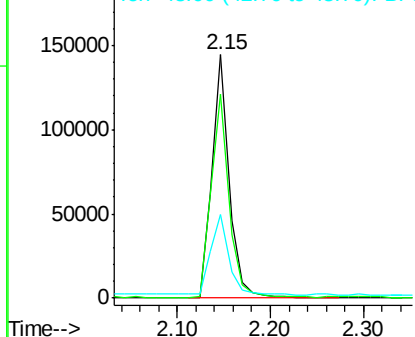
#2

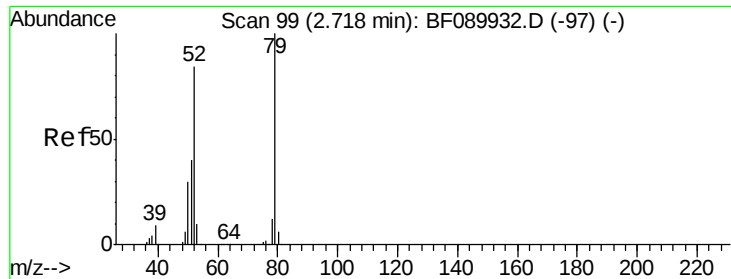
1,4-Dioxane  
Concen: 33.59 ng  
RT: 2.15 min Scan# 49  
Delta R.T. 0.05 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion: 88 Resp: 185618  
Ion Ratio Lower Upper  
88 100  
58 85.5 68.8 103.2  
43 34.0 27.0 40.6



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



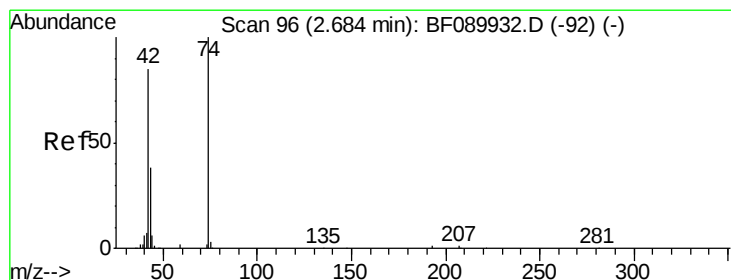
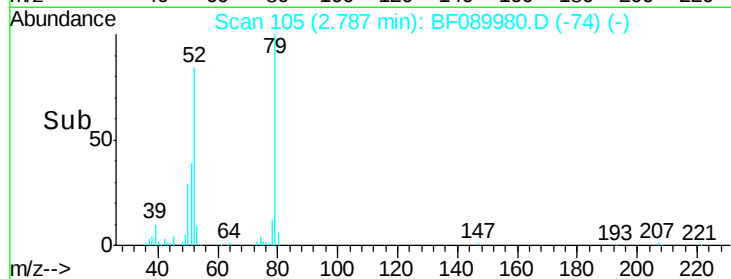
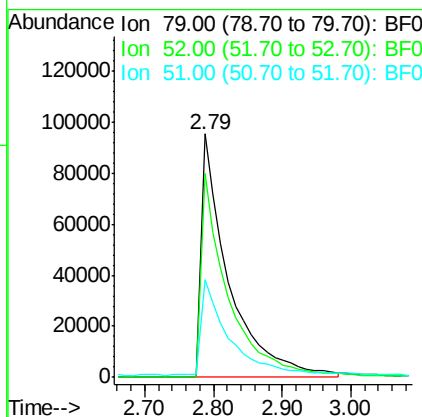
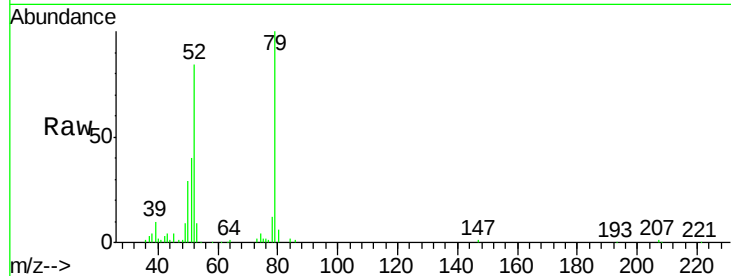


#3  
 Pvridine  
 Concen: 17.74 ng  
 RT: 2.79 min Scan# 105  
 Delta R.T. 0.06 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 79 Resp: 261597  

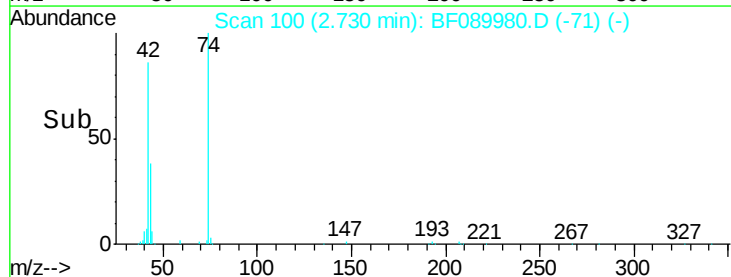
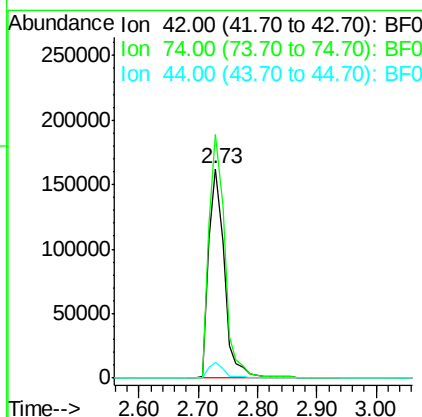
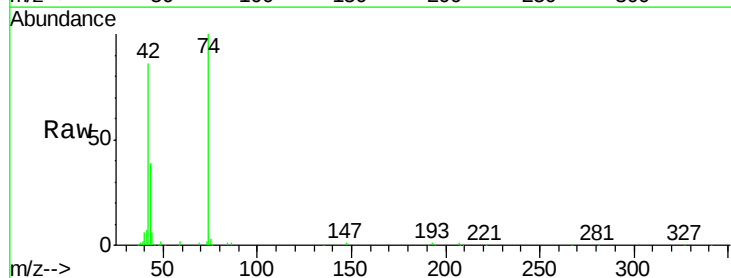
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 83.7  | 67.8  | 101.6 |
| 51  | 40.3  | 32.9  | 49.3  |

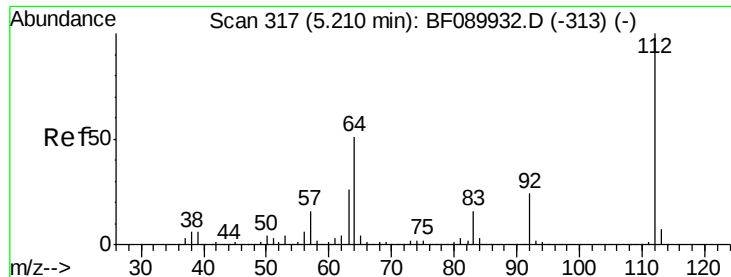


#4  
 n-Nitrosodimethylamine  
 Concen: 41.13 ng  
 RT: 2.73 min Scan# 100  
 Delta R.T. 0.03 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Tgt Ion: 42 Resp: 299081  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 116.2 | 92.0  | 138.0 |
| 44  | 7.4   | 5.8   | 8.8   |





#5

2-Fluorophenol

Concen: 118.80 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.01 min

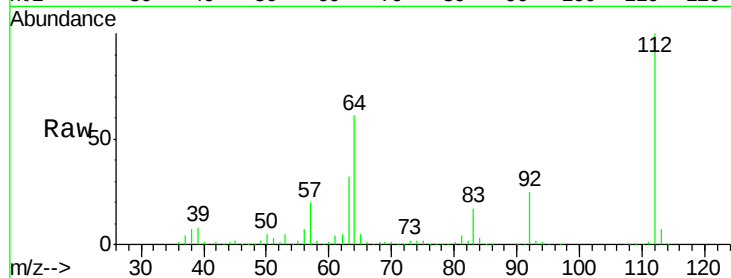
Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:112 Resp: 1385717

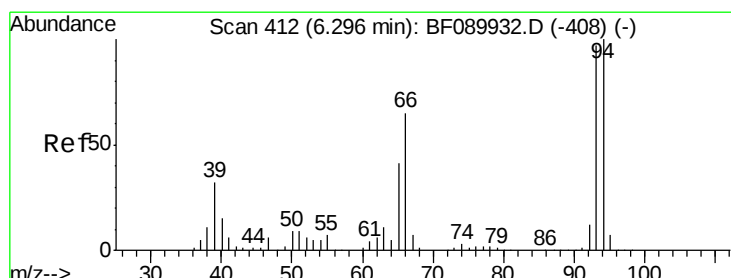
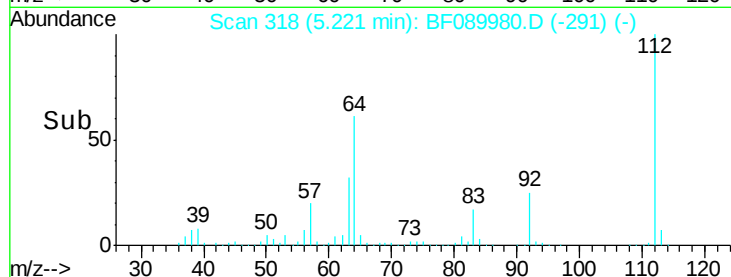
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 61.3  | 41.1  | 61.7  |
| 63  | 31.8  | 21.2  | 31.8  |



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 27.01 ng

RT: 6.30 min Scan# 412

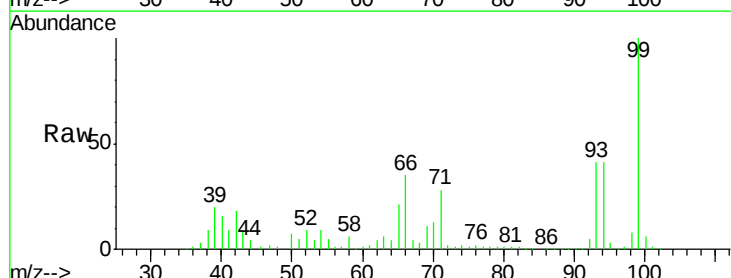
Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Tgt Ion: 93 Resp: 522282

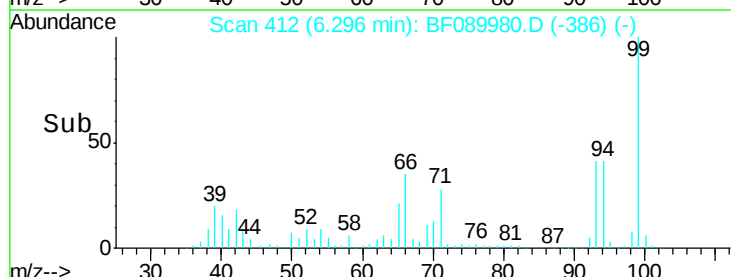
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 66  | 86.5  | 52.9  | 79.3# |
| 65  | 51.7  | 33.0  | 49.6# |

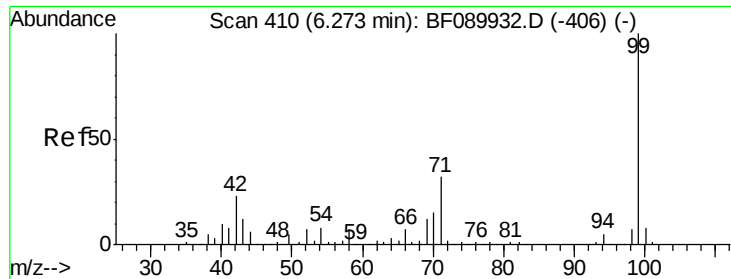


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 126.94 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampled :

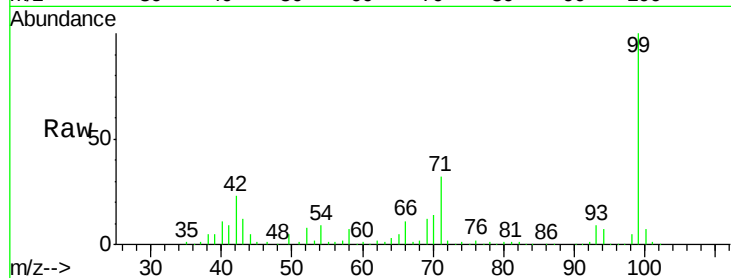
Tot Ion: 99 Resp: 1799224

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.1  | 18.6  | 27.8  |
| 71  | 32.2  | 25.8  | 38.6  |

99 100

42 23.1 18.6 27.8

71 32.2 25.8 38.6



Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

1500000

1000000

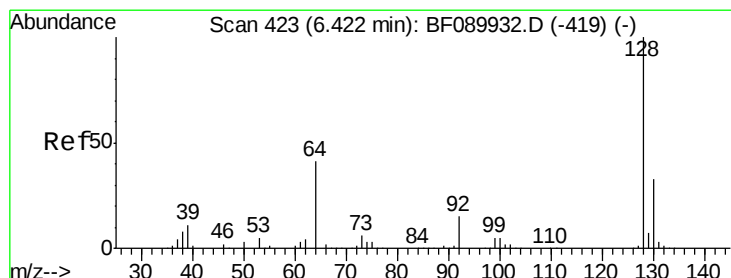
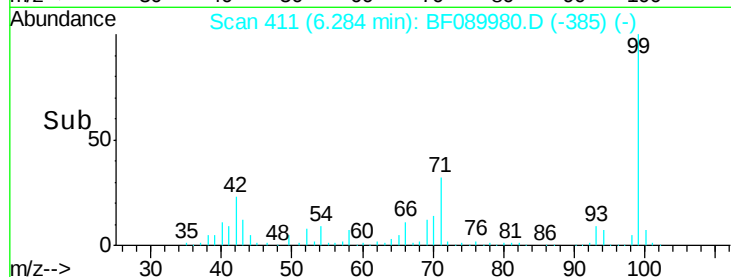
500000

0

6.28

6.20 6.30 6.40

Time-->



#8

2-Chlorophenol

Concen: 39.26 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

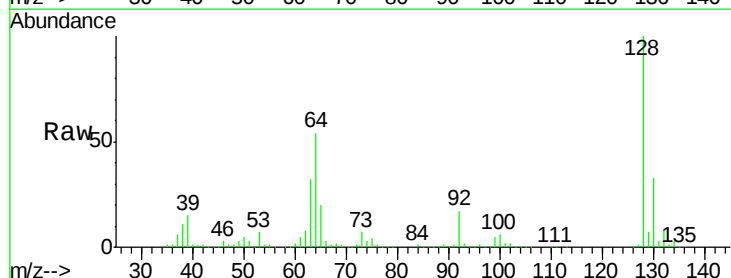
Tgt Ion: 128 Resp: 496838

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.6  | 12.8  | 52.8  |
| 64  | 53.5  | 23.2  | 63.2  |

128 100

130 32.6 12.8 52.8

64 53.5 23.2 63.2



Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

800000

600000

400000

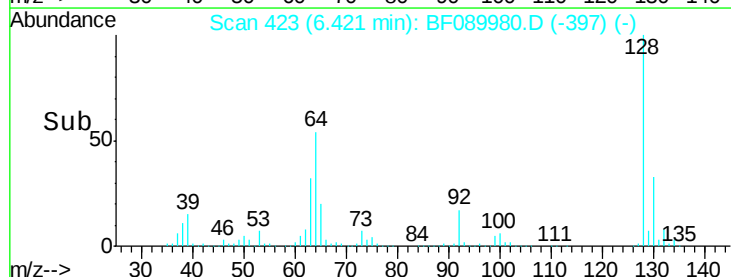
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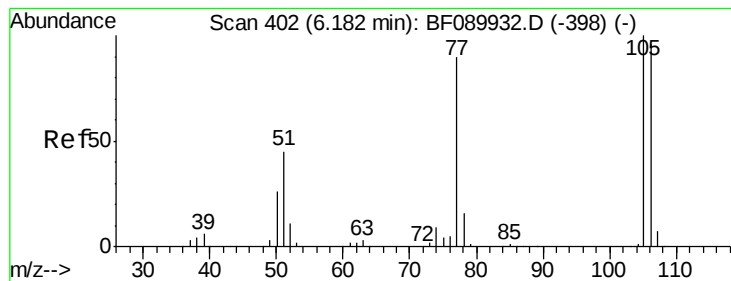
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6.42

6.35 6.40 6.45 6.50

Time-->





#9

Benzaldehyde

Concen: 10.55 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampled :

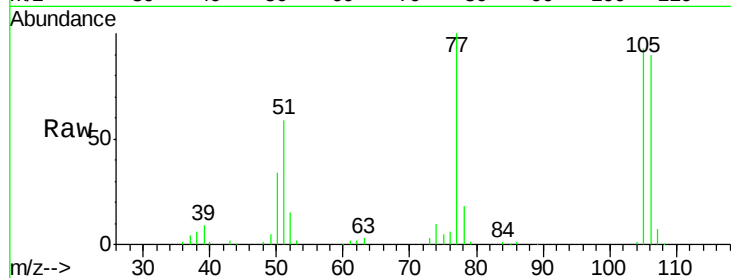
Tot Ion: 77 Resp: 96483

Ion Ratio Lower Upper

77 100

105 93.3 85.4 125.4

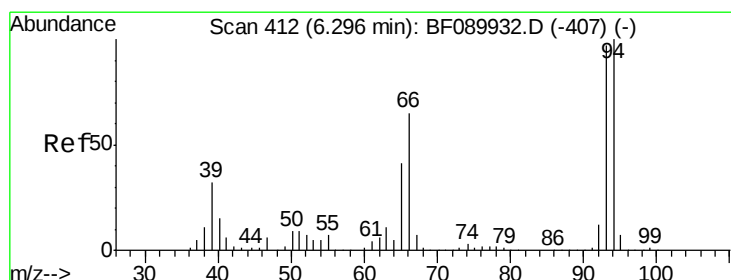
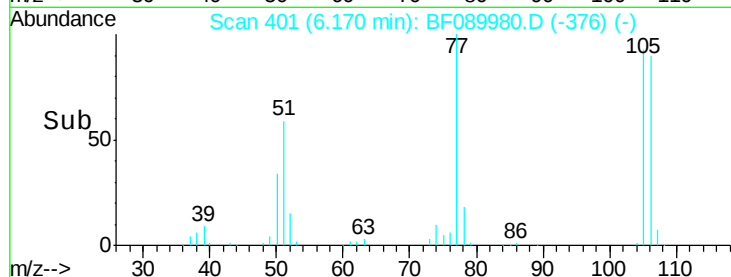
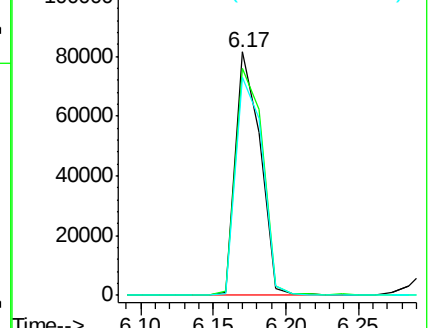
106 89.8 83.4 123.4



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 34.53 ng

RT: 6.31 min Scan# 413

Delta R.T. 0.01 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

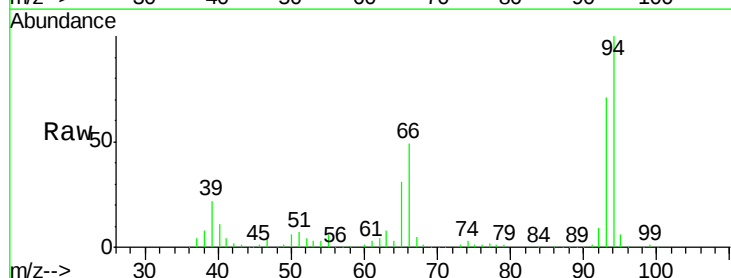
Tgt Ion: 94 Resp: 569065

Ion Ratio Lower Upper

94 100

65 31.2 23.2 63.2

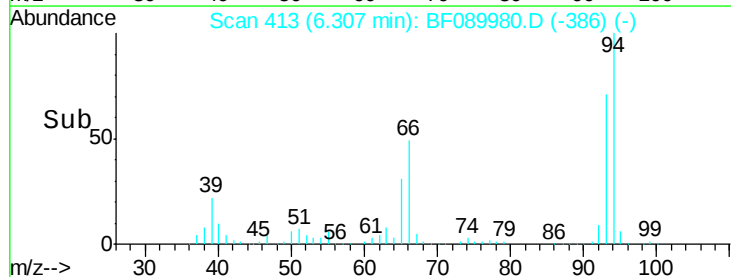
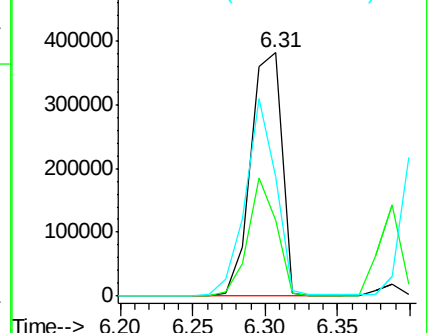
66 49.1 49.2 89.2#

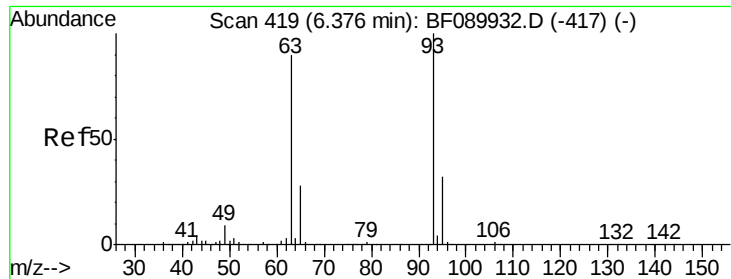


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 43.69 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampleId :

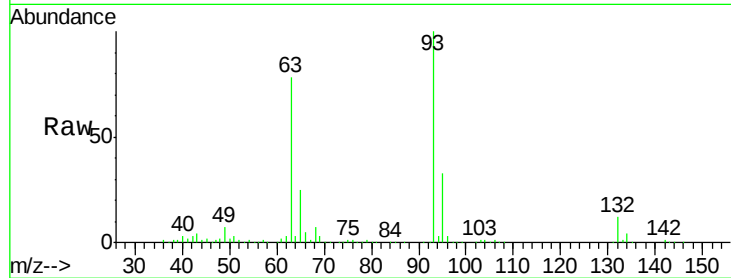
Tot Ion: 93 Resp: 544945

Ion Ratio Lower Upper

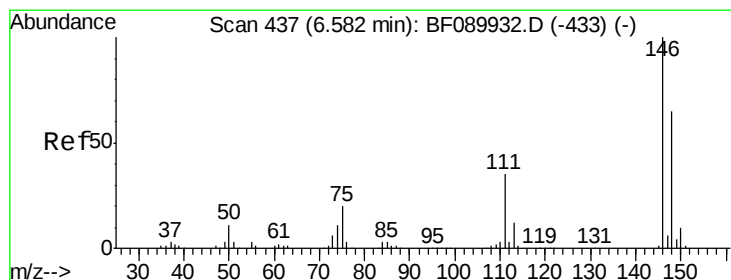
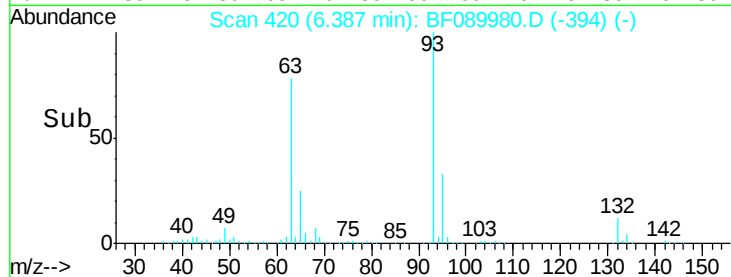
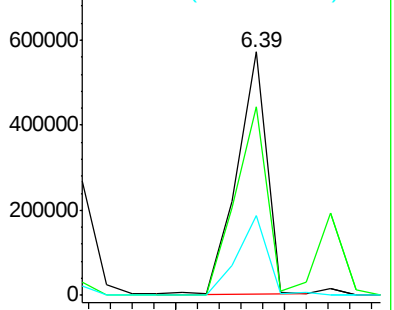
93 100

63 77.7 71.1 111.1

95 32.7 12.4 52.4



Abundance Ion 93.00 (92.70 to 93.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 40.76 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

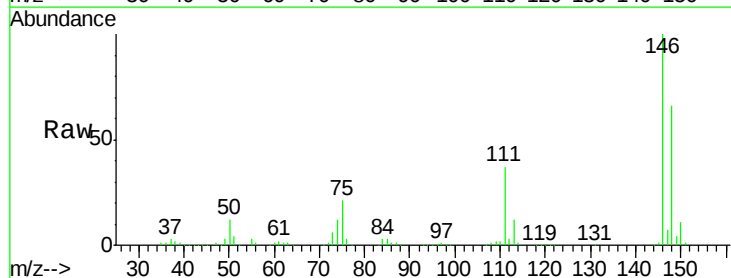
Tgt Ion: 146 Resp: 576052

Ion Ratio Lower Upper

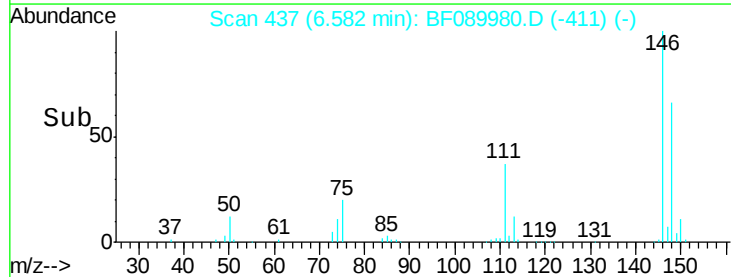
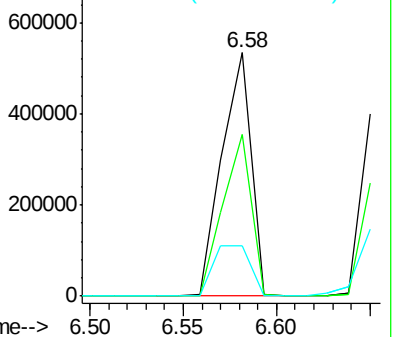
146 100

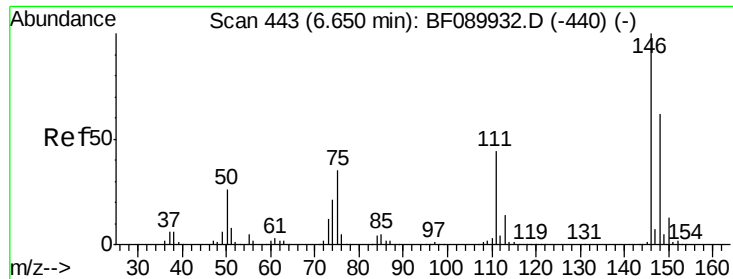
148 66.2 52.5 78.7

75 20.8 16.6 24.8



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 75.00 (74.70 to 75.70): BF0

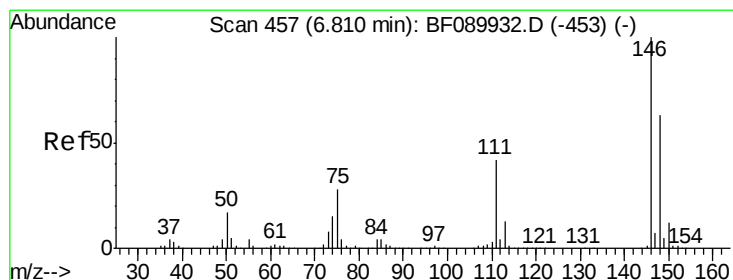
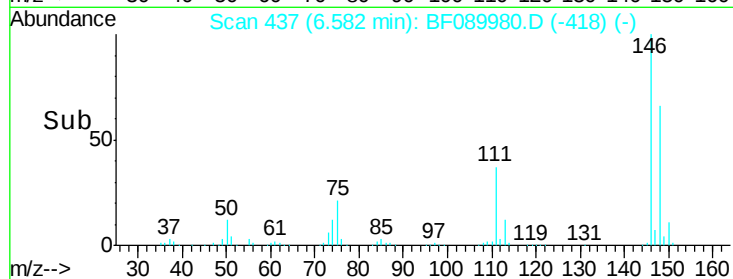
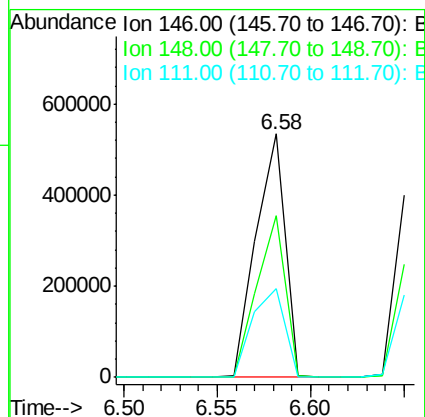
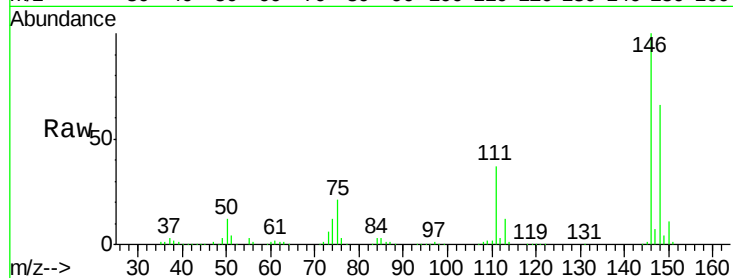




#13  
 1,4-Dichlorobenzene  
 Concen: 39.84 ng  
 RT: 6.58 min Scan# 437  
 Delta R.T. -0.08 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

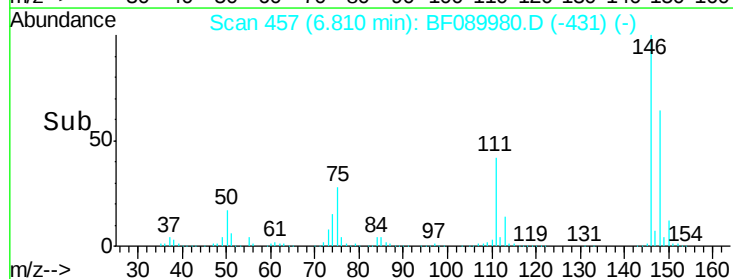
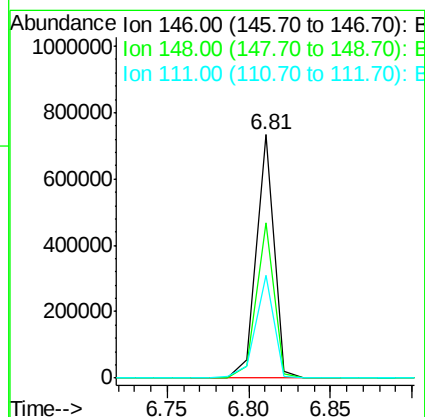
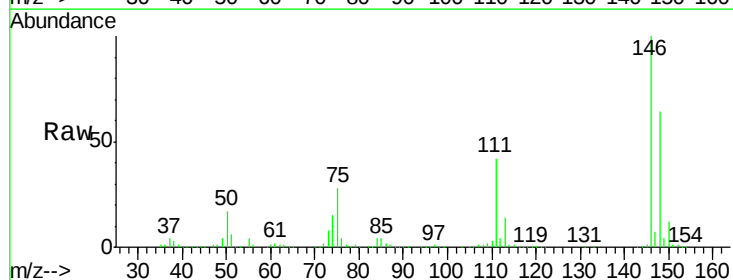
Instrument :  
 BNA\_F  
 ClientSampleId :

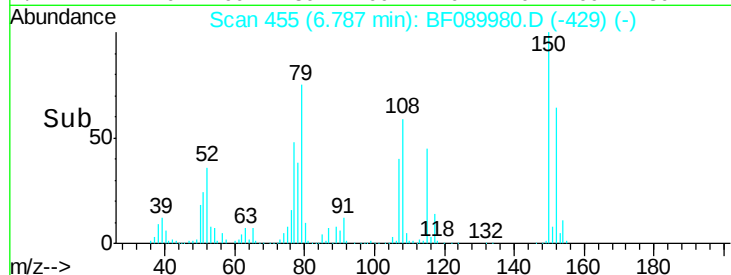
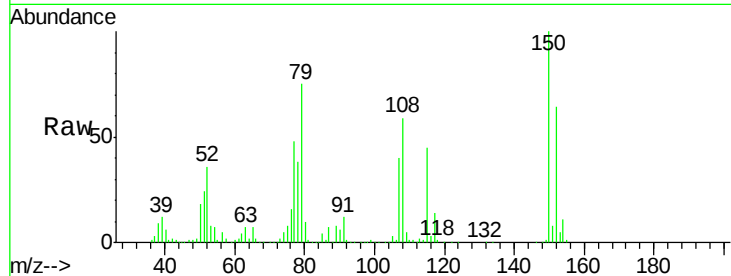
Tot Ion:146 Resp: 576052  
 Ion Ratio Lower Upper  
 146 100  
 148 66.2 50.1 75.1  
 111 36.7 35.8 53.6



#14  
 1,2-Dichlorobenzene  
 Concen: 42.85 ng  
 RT: 6.81 min Scan# 457  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Tgt Ion:146 Resp: 555529  
 Ion Ratio Lower Upper  
 146 100  
 148 63.9 51.4 77.2  
 111 42.5 34.6 51.8

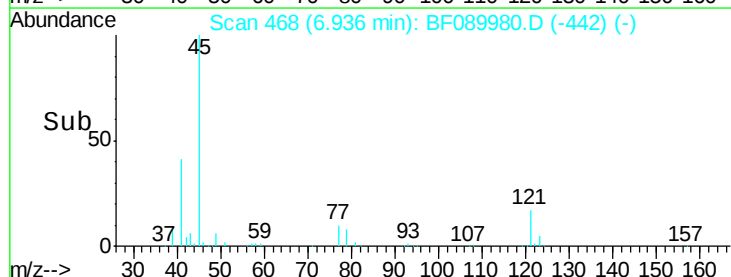
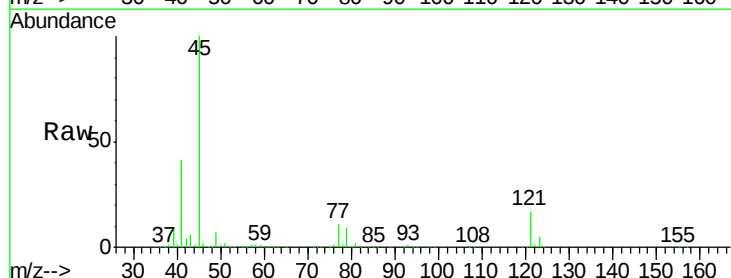
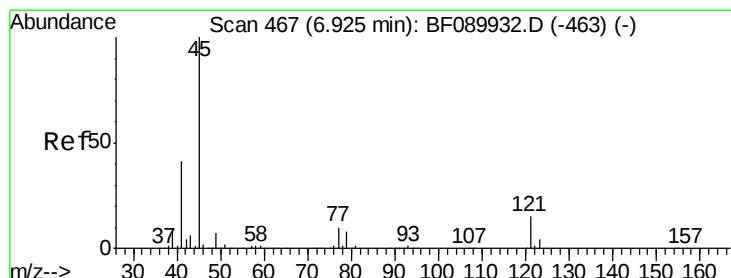
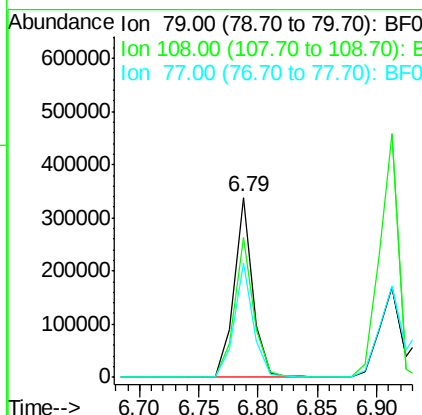




#15  
Benzyl Alcohol  
Concen: 42.03 ng  
RT: 6.79 min Scan# 455  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

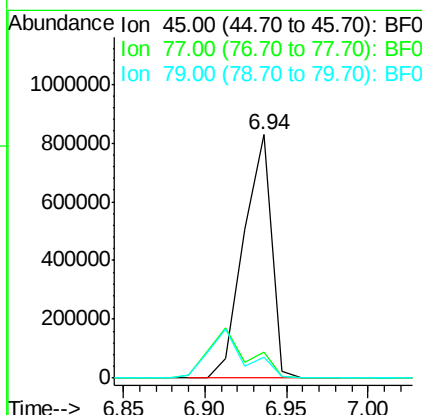
Instrument :  
BNA\_F  
ClientSampled :

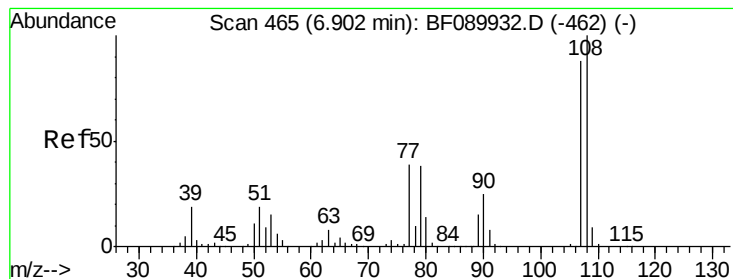
Tot Ion: 79 Resp: 373224  
Ion Ratio Lower Upper  
79 100  
108 78.0 62.1 93.1  
77 63.3 50.1 75.1



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.17 ng  
RT: 6.94 min Scan# 468  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion: 45 Resp: 979025  
Ion Ratio Lower Upper  
45 100  
77 10.8 0.0 30.3  
79 8.7 0.0 27.5

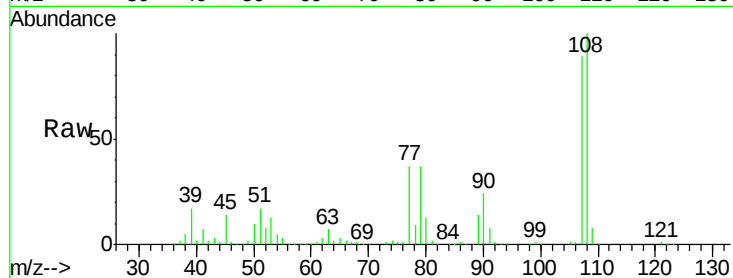




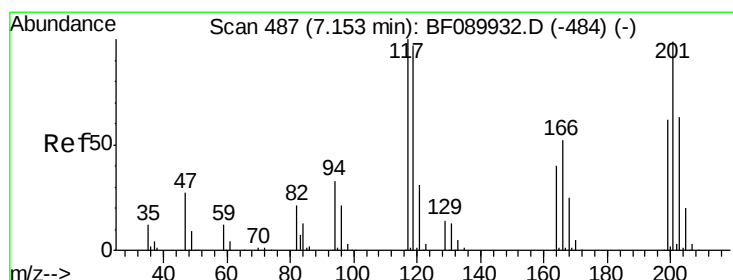
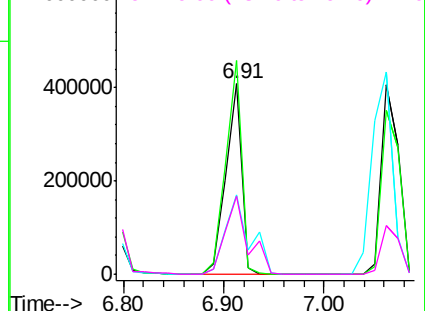
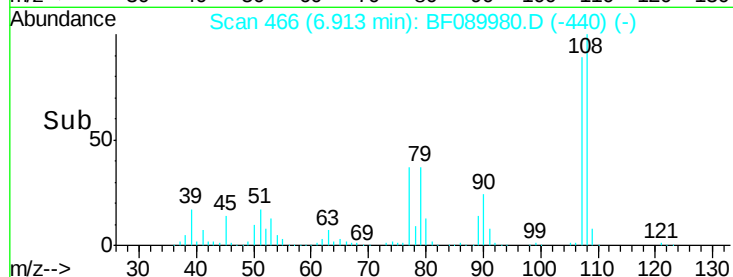
#17  
2-Methylphenol  
Concen: 44.07 ng  
RT: 6.91 min Scan# 466  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:107 Resp: 445414  
Ion Ratio Lower Upper  
107 100  
108 112.3 91.8 137.6  
77 42.1 36.0 54.0  
79 41.4 35.9 53.9

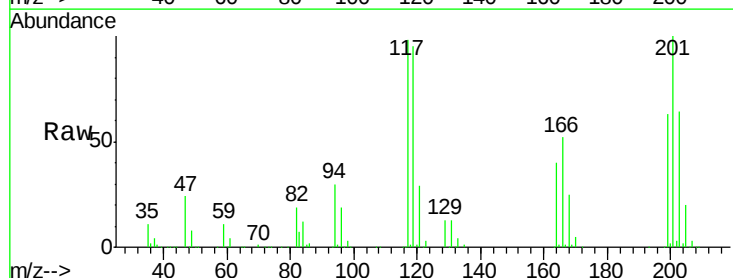


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

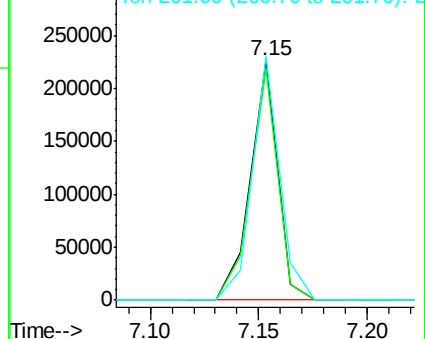
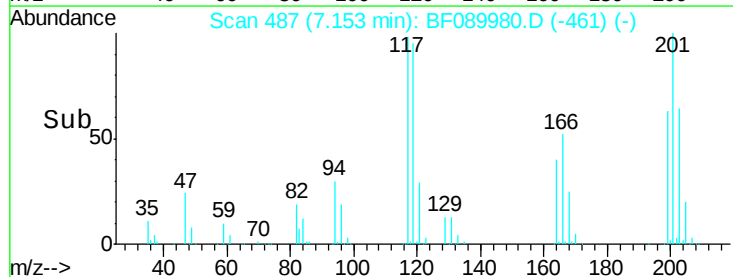


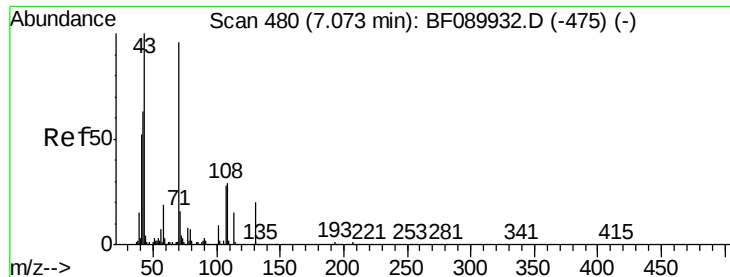
#18  
Hexachloroethane  
Concen: 39.57 ng  
RT: 7.15 min Scan# 487  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion:117 Resp: 196013  
Ion Ratio Lower Upper  
117 100  
119 96.5 76.2 114.2  
201 101.8 80.2 120.2



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

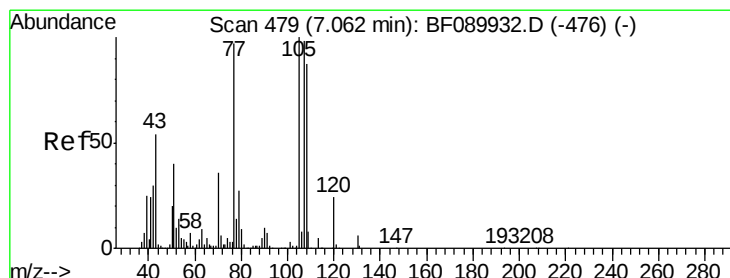
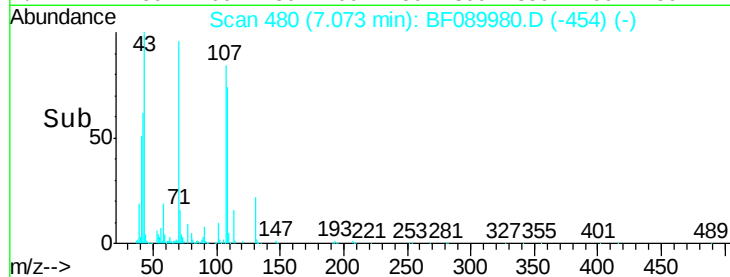
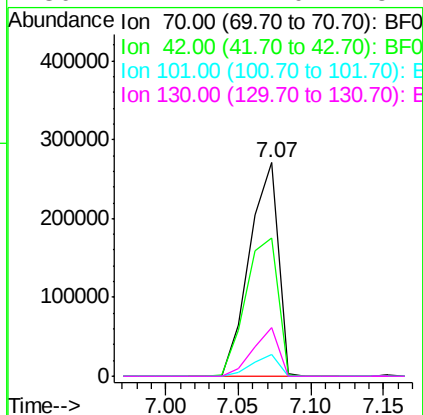
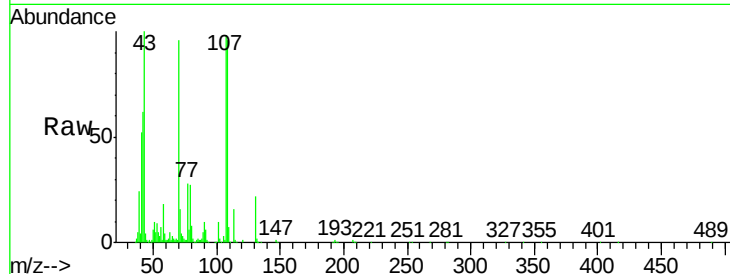




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 40.50 ng  
 RT: 7.07 min Scan# 480  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

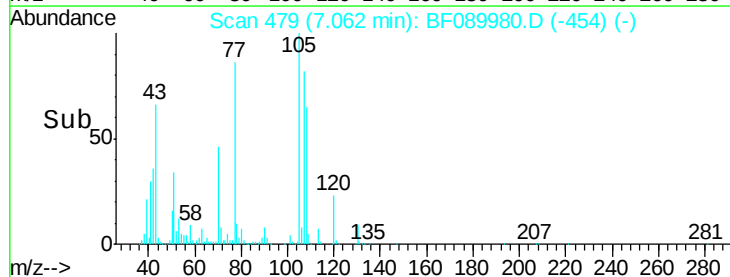
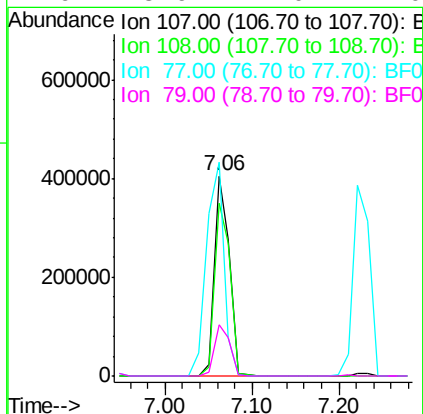
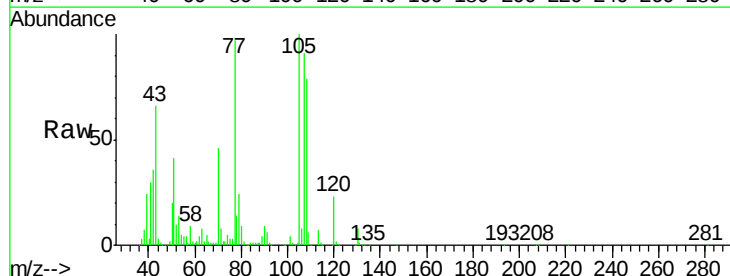
Instrument :  
 BNA\_F  
 ClientSampleId :

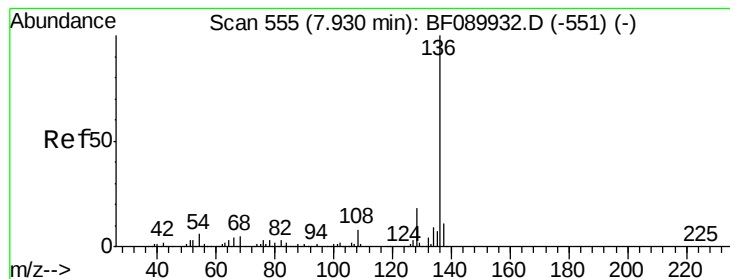
Tot Ion: 70 Resp: 374023  
 Ion Ratio Lower Upper  
 70 100  
 42 64.8 52.1 78.1  
 101 10.2 7.4 11.2  
 130 22.7 17.0 25.4



#20  
 3+4-Methylphenols  
 Concen: 40.27 ng  
 RT: 7.06 min Scan# 479  
 Delta R.T. -0.01 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Tgt Ion: 107 Resp: 493258  
 Ion Ratio Lower Upper  
 107 100  
 108 86.6 70.2 110.2  
 77 106.7 75.7 115.7  
 79 25.9 7.0 47.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 734350

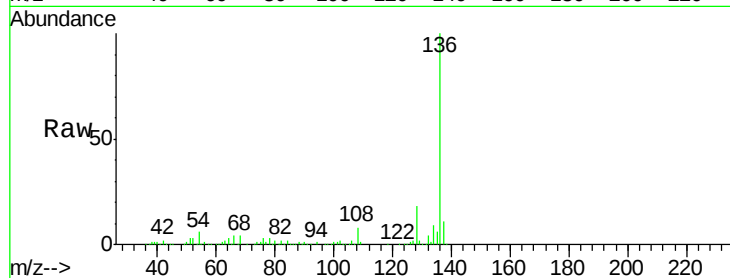
Ion Ratio Lower Upper

136 100

137 10.5 8.3 12.5

54 6.0 4.8 7.2

68 4.3 3.7 5.5

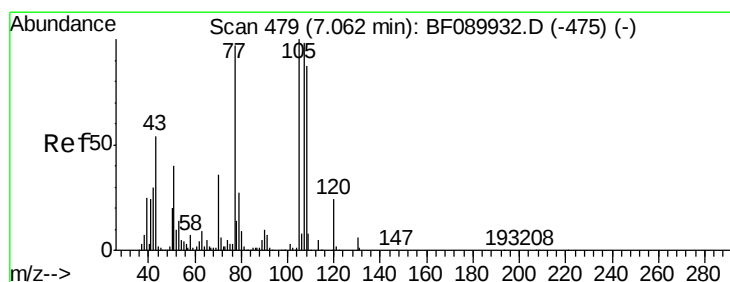
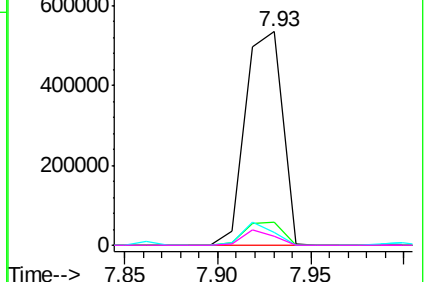
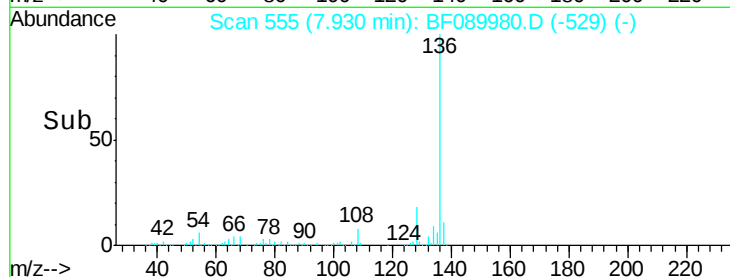


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 38.00 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Tgt Ion:105 Resp: 626049

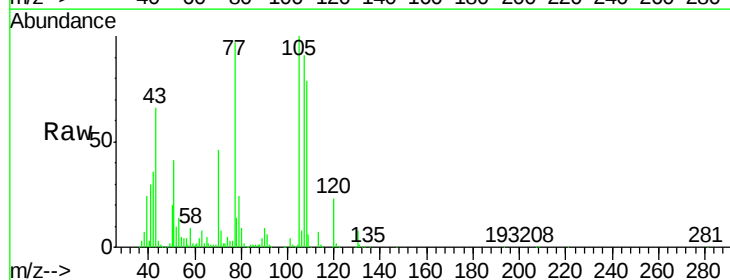
Ion Ratio Lower Upper

105 100

71 7.6 5.3 7.9

51 40.6 32.6 48.8

120 22.6 18.6 28.0

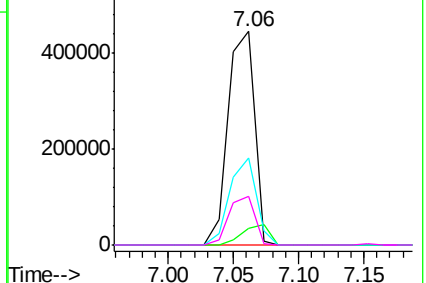
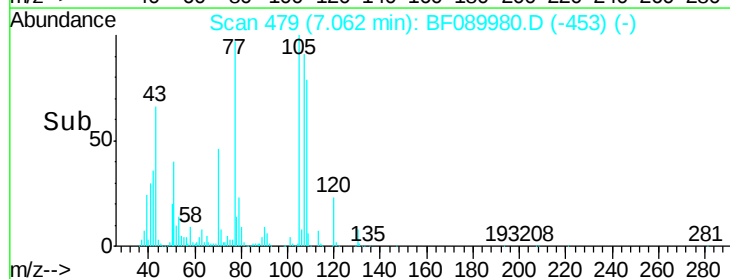


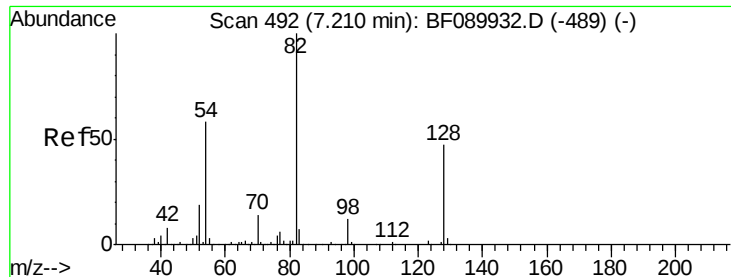
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

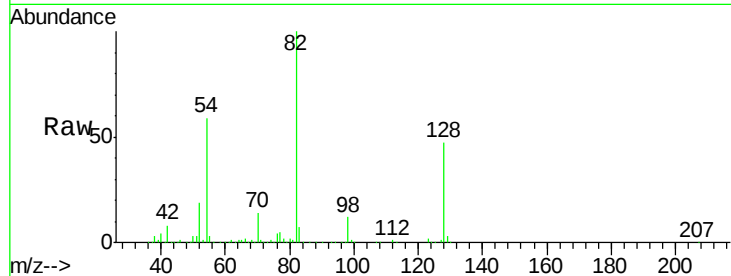




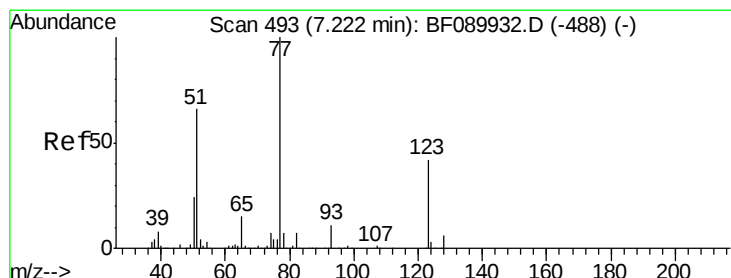
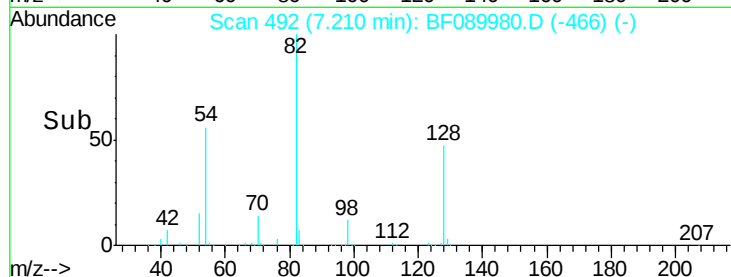
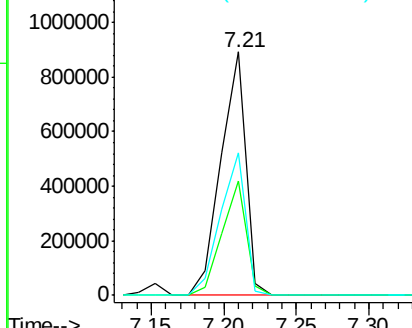
#23  
 Nitrobenzene-d5  
 Concen: 84.14 ng  
 RT: 7.21 min Scan# 492  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 82 Resp: 1065440  
 Ion Ratio Lower Upper  
 82 100  
 128 47.2 37.8 56.8  
 54 58.6 46.9 70.3

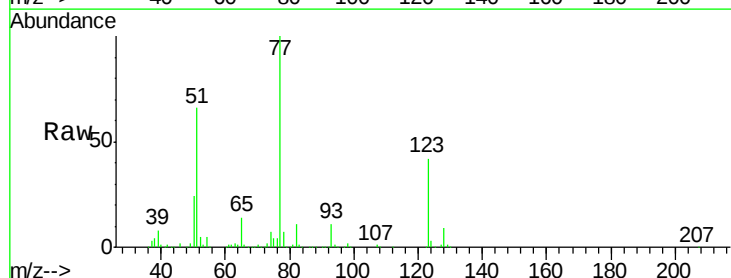


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

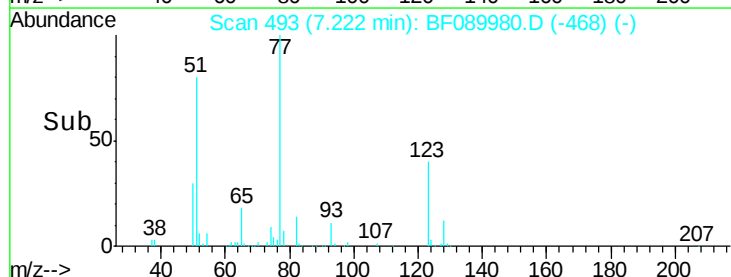
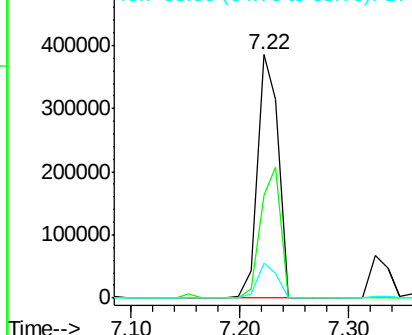


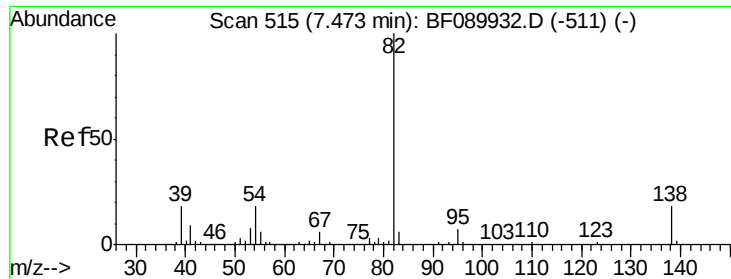
#24  
 Nitrobenzene  
 Concen: 37.99 ng  
 RT: 7.22 min Scan# 493  
 Delta R.T. -0.01 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Tgt Ion: 77 Resp: 511486  
 Ion Ratio Lower Upper  
 77 100  
 123 42.0 32.0 48.0  
 65 14.3 11.2 16.8



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





#25

Isophorone

Concen: 39.16 ng

RT: 7.47 min Scan# 515

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampleId :

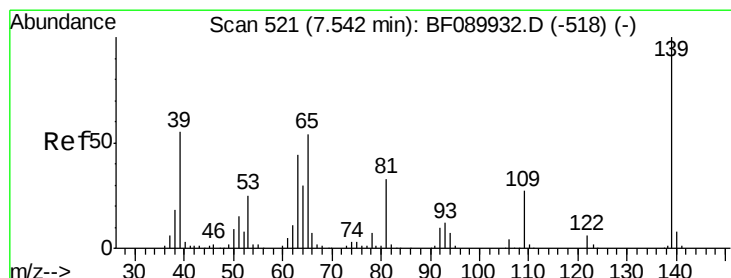
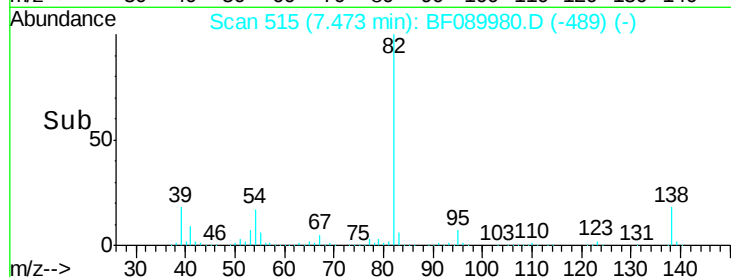
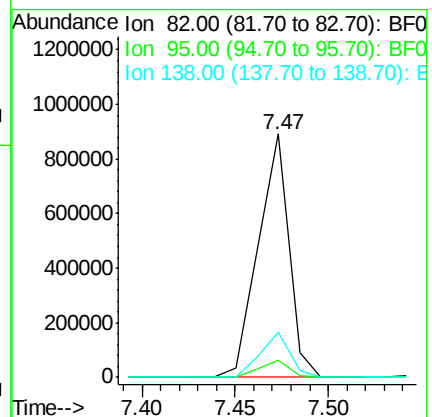
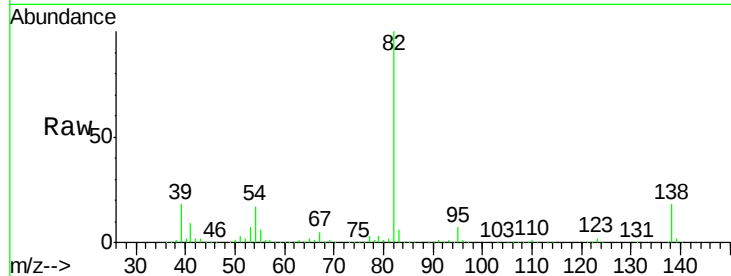
Tot Ion: 82 Resp: 1008276

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

138 18.5 14.4 21.6



#26

2-Nitrophenol

Concen: 39.84 ng

RT: 7.54 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

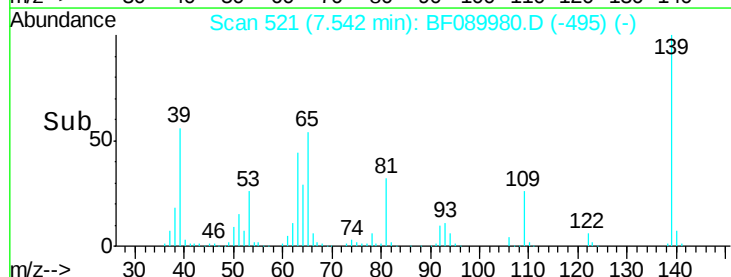
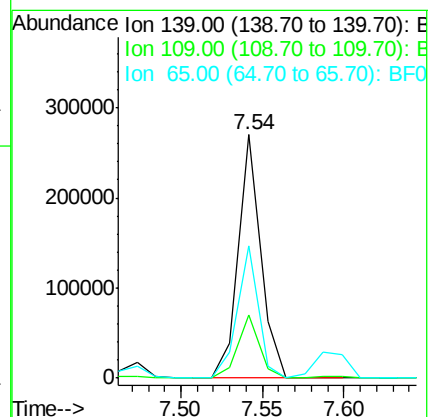
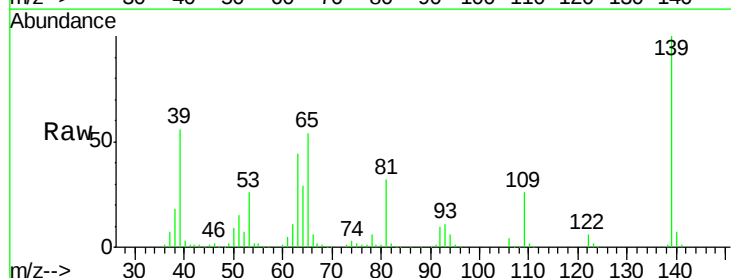
Tgt Ion: 139 Resp: 256358

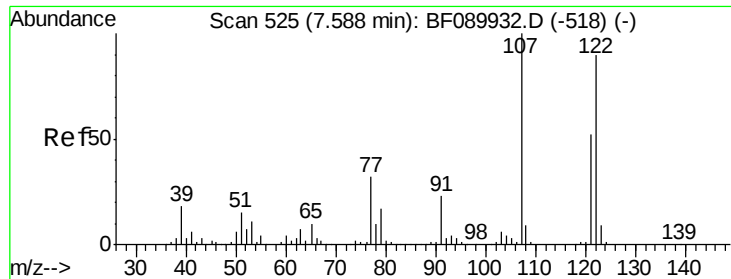
Ion Ratio Lower Upper

139 100

109 25.8 21.0 31.4

65 54.5 43.4 65.0





#27

2,4-Dimethylphenol

Concen: 40.18 ng

RT: 7.60 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampled :

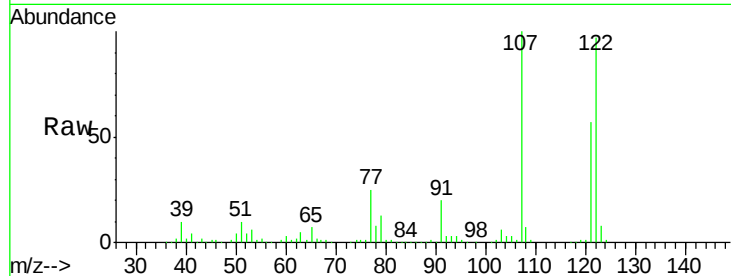
Tot Ion:122 Resp: 478327

Ion Ratio Lower Upper

122 100

107 103.5 88.5 132.7

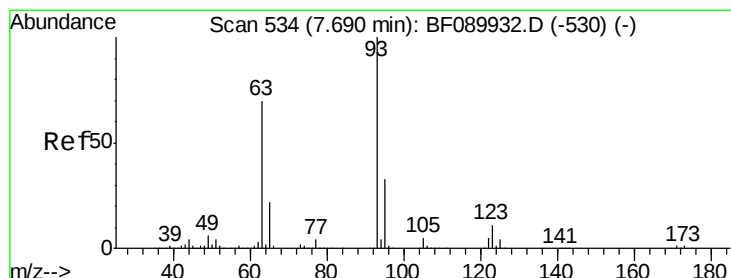
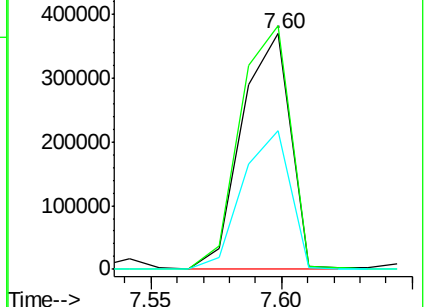
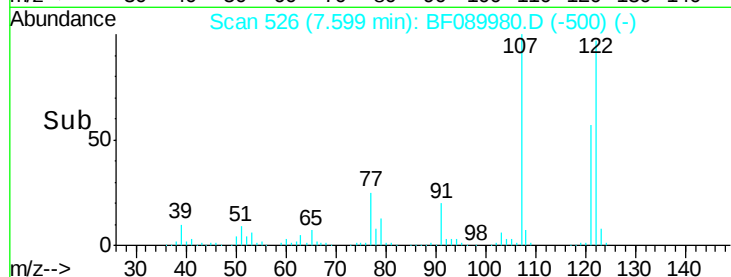
121 58.9 46.0 69.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 42.76 ng

RT: 7.69 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

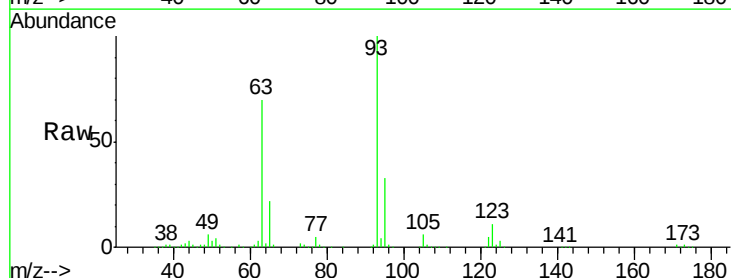
Tgt Ion: 93 Resp: 663997

Ion Ratio Lower Upper

93 100

95 32.6 26.6 40.0

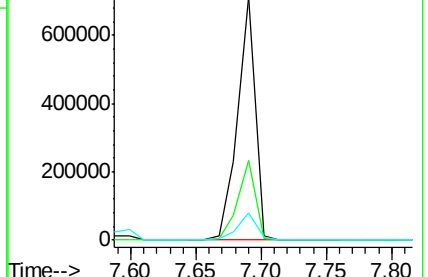
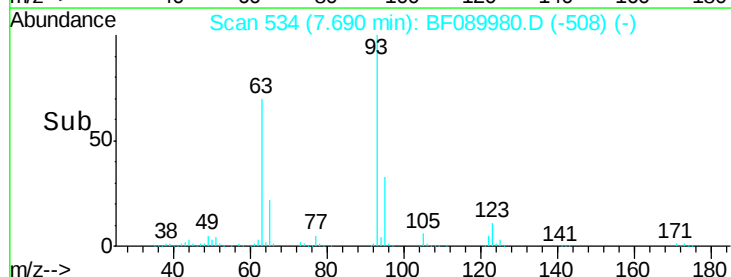
123 11.3 9.1 13.7



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 39.85 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.01 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampleId :

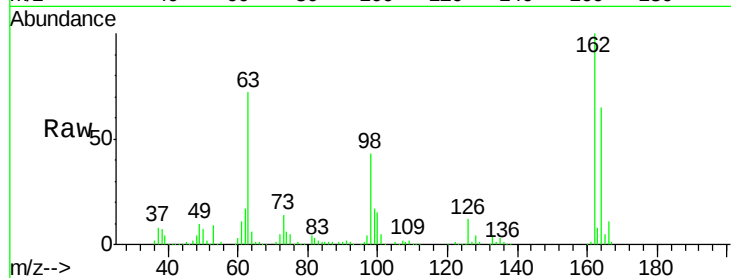
Tot Ion:162 Resp: 425208

Ion Ratio Lower Upper

162 100

164 65.2 46.6 86.6

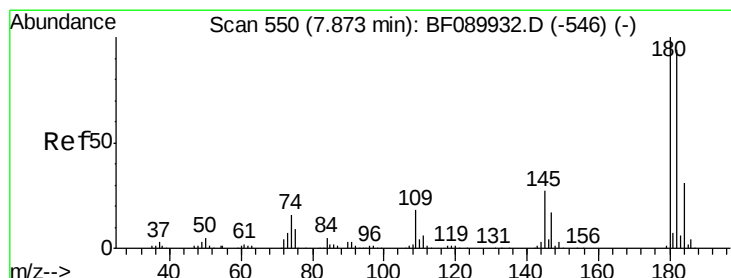
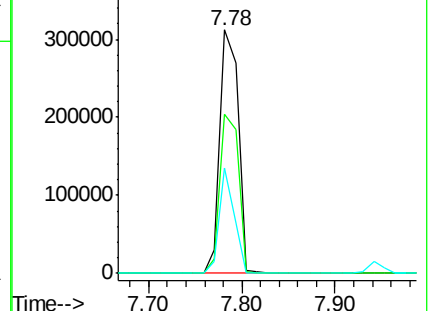
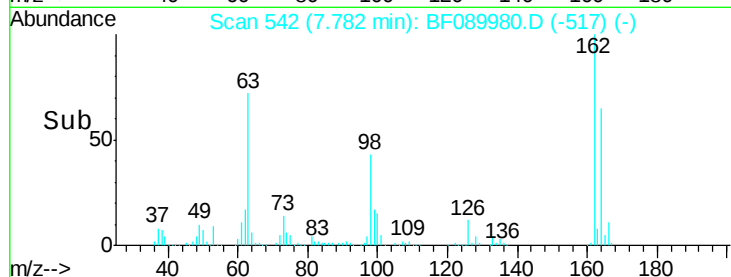
98 43.1 22.0 62.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 42.36 ng

RT: 7.87 min Scan# 550

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

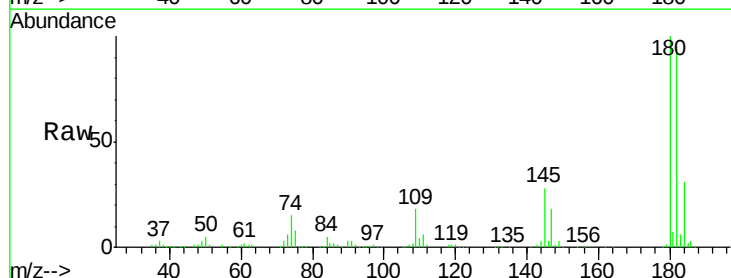
Tgt Ion:180 Resp: 494245

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.2

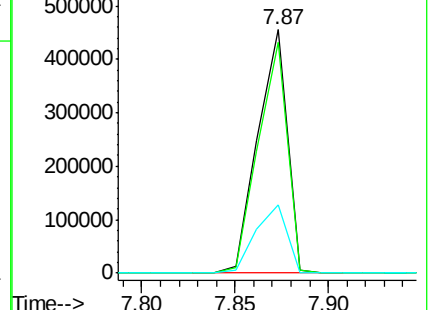
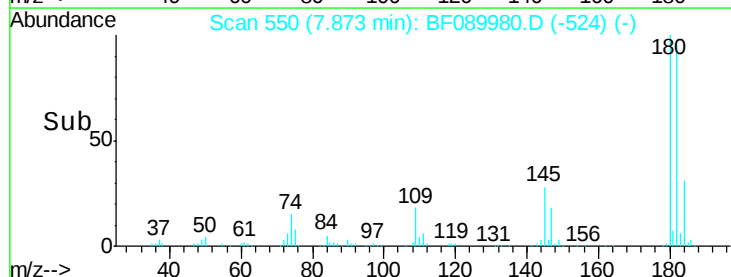
145 28.1 22.2 33.4

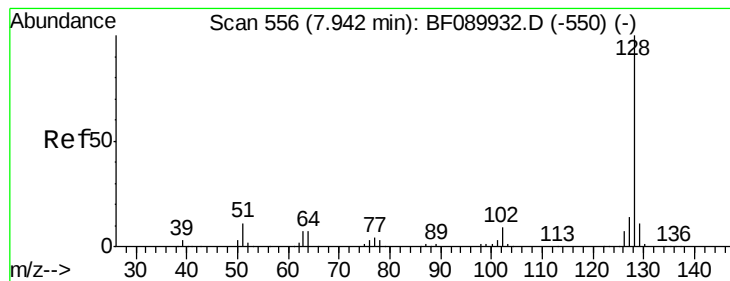


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 37.15 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.01 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampleId :

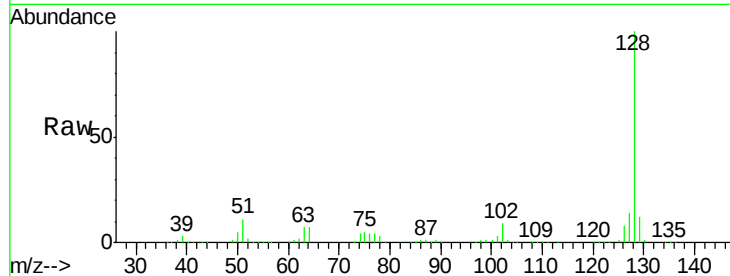
Tot Ion:128 Resp: 1358986

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.0

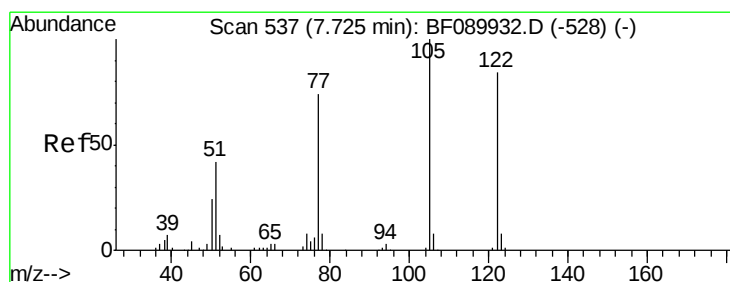
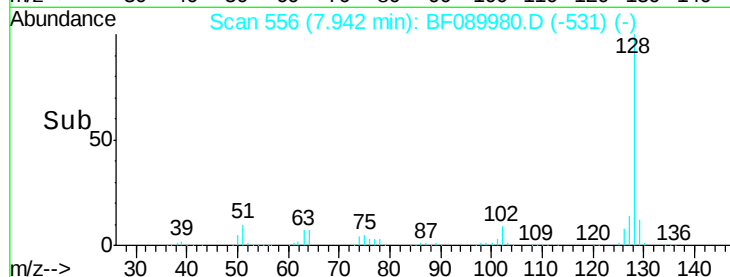
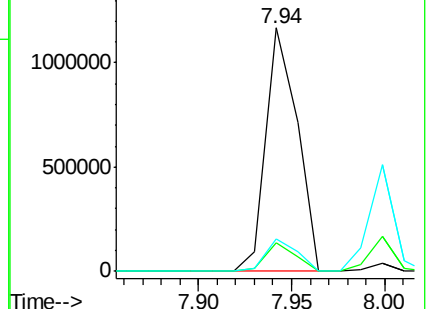
127 13.6 10.7 16.1



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: 19.33 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.03 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

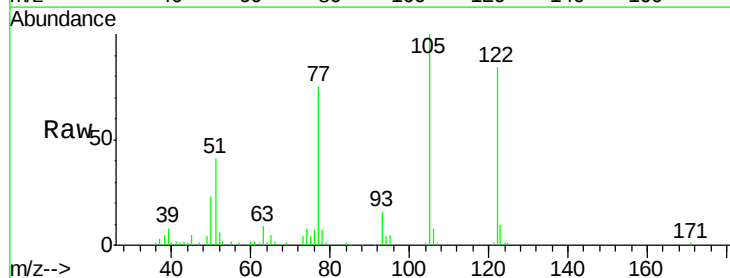
Tgt Ion:122 Resp: 154987

Ion Ratio Lower Upper

122 100

105 119.3 102.2 142.2

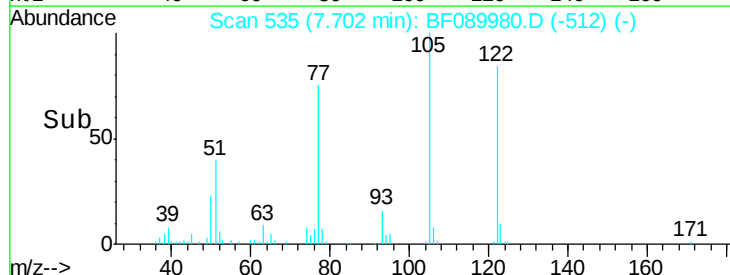
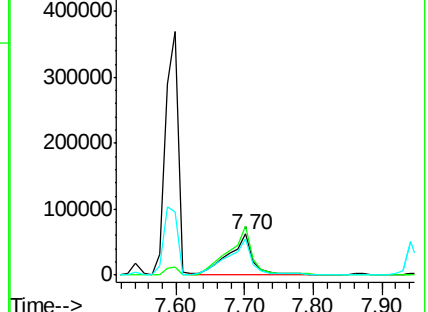
77 89.7 74.1 114.1



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

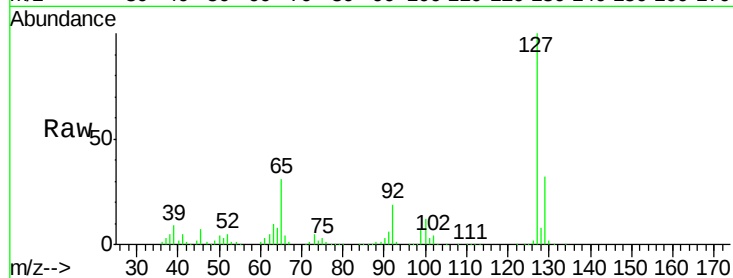




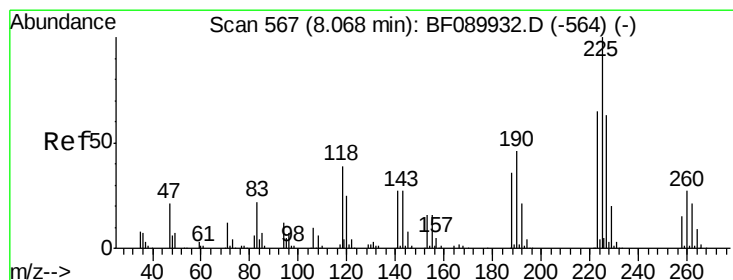
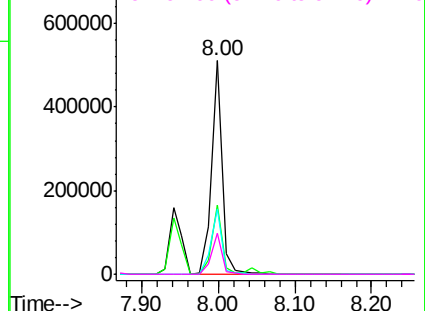
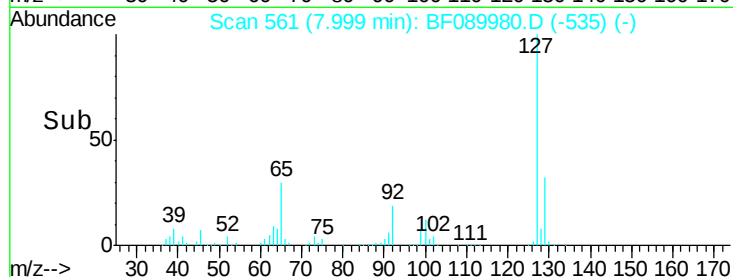
#33  
 4-Chloroaniline  
 Concen: 32.51 ng  
 RT: 8.00 min Scan# 561  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 479793 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.5  | 25.9  | 38.9   |
| 65       | 30.7  | 26.0  | 39.0   |
| 92       | 19.4  | 15.9  | 23.9   |

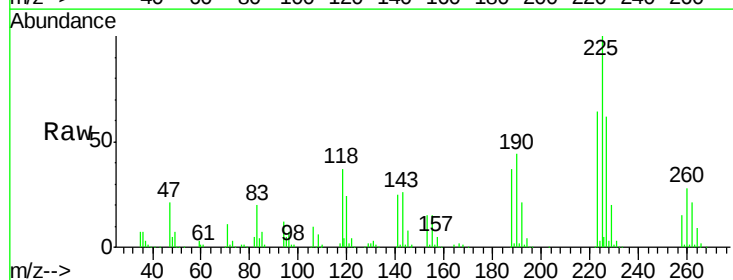


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF0  
 Ion 92.00 (91.70 to 92.70): BF0

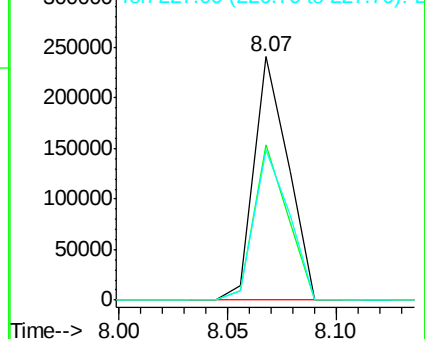
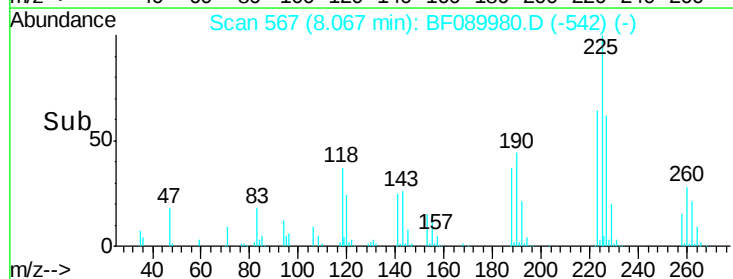


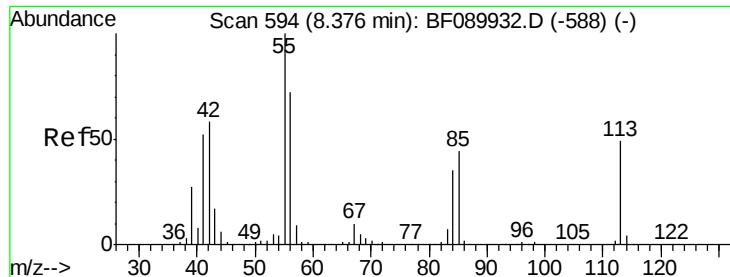
#34  
 Hexachlorobutadiene  
 Concen: 38.37 ng  
 RT: 8.07 min Scan# 567  
 Delta R.T. -0.01 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 262322 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.5  | 52.6  | 78.8   |
| 227      | 61.8  | 50.8  | 76.2   |



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

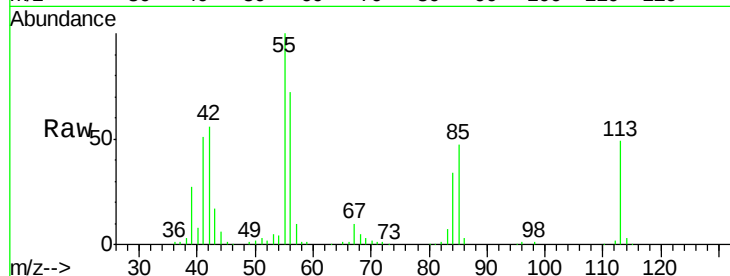




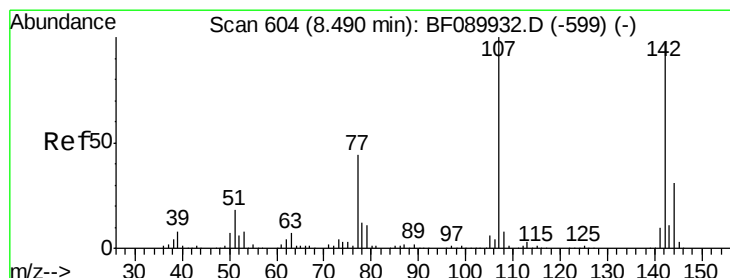
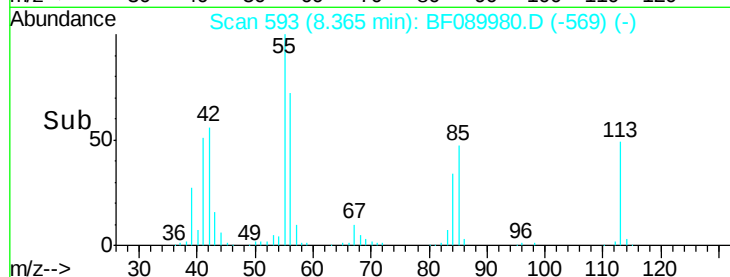
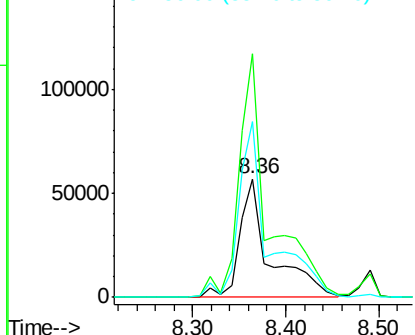
#35  
Caprolactam  
Concen: 38.66 ng  
RT: 8.36 min Scan# 593  
Delta R.T. -0.02 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:113 Resp: 130218  
Ion Ratio Lower Upper  
113 100  
55 205.7 178.5 218.5  
56 149.0 122.7 162.7

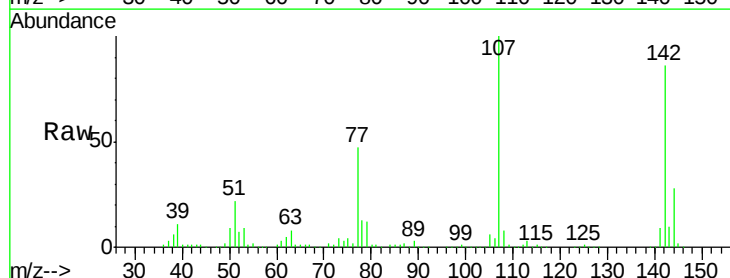


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF0  
Ion 56.00 (55.70 to 56.70): BF0

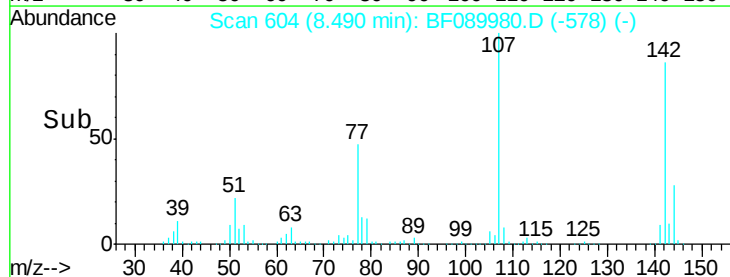
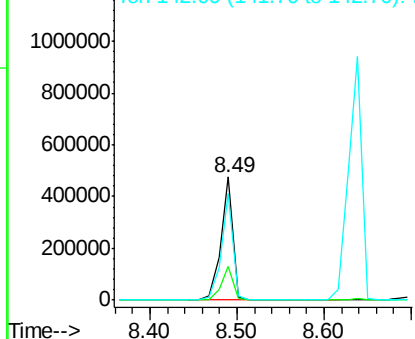


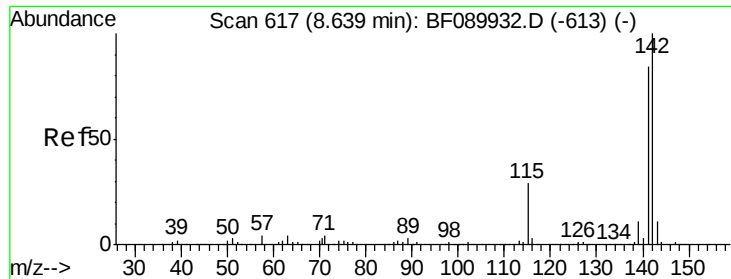
#36  
4-Chloro-3-methylphenol  
Concen: 40.89 ng  
RT: 8.49 min Scan# 604  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion:107 Resp: 462092  
Ion Ratio Lower Upper  
107 100  
144 27.7 25.8 38.8  
142 86.4 79.2 118.8



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

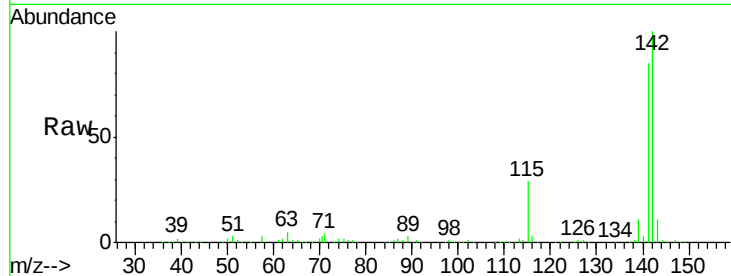




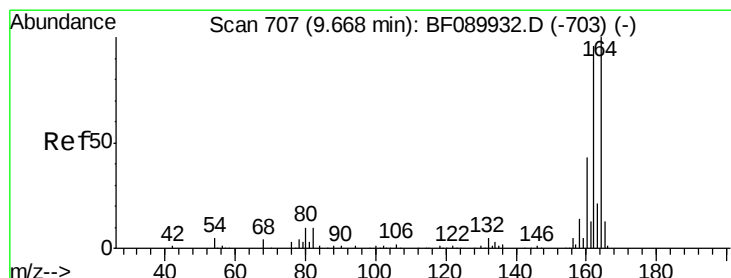
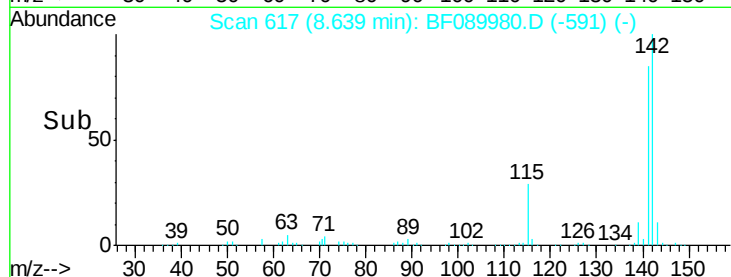
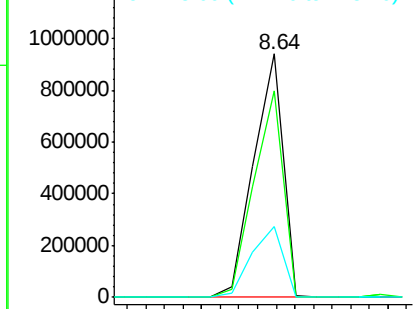
#37  
2-Methylnaphthalene  
Concen: 42.28 ng  
RT: 8.64 min Scan# 617  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:142 Resp: 1022092  
Ion Ratio Lower Upper  
142 100  
141 84.6 68.3 102.5  
115 29.3 23.8 35.8

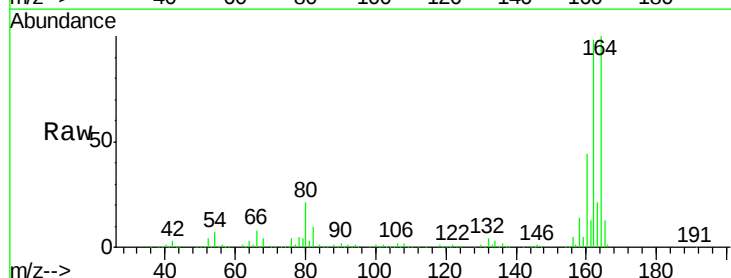


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

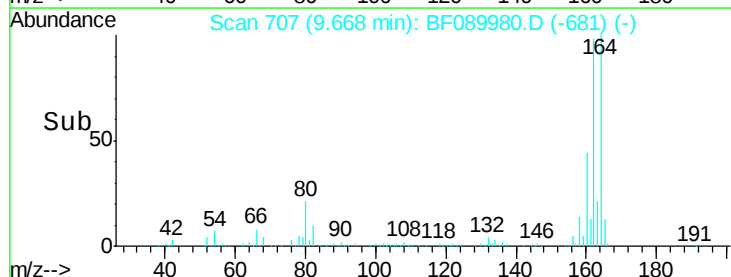
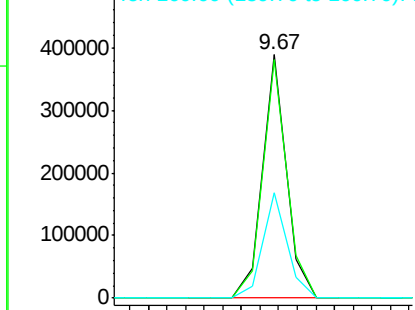


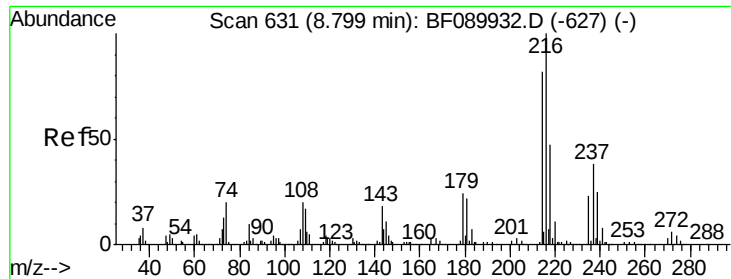
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.67 min Scan# 707  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion:164 Resp: 342903  
Ion Ratio Lower Upper  
164 100  
162 98.1 77.1 115.7  
160 43.5 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.51 ng

RT: 8.80 min Scan# 631

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampled :

Tot Ion:216 Resp: 356735

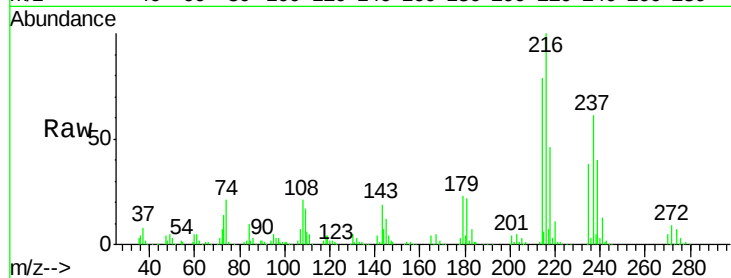
Ion Ratio Lower Upper

216 100

214 78.3 63.4 95.2

179 20.8 17.3 25.9

108 19.1 15.5 23.3

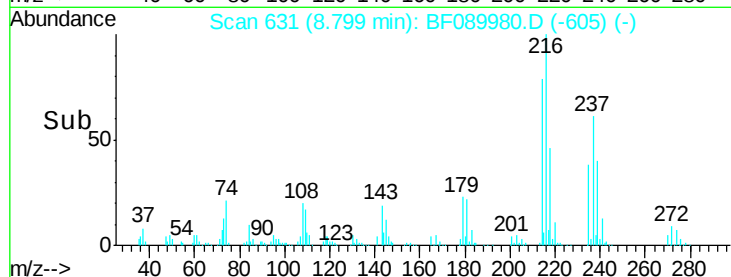


Abundance Ion 216.00 (215.70 to 216.70): E

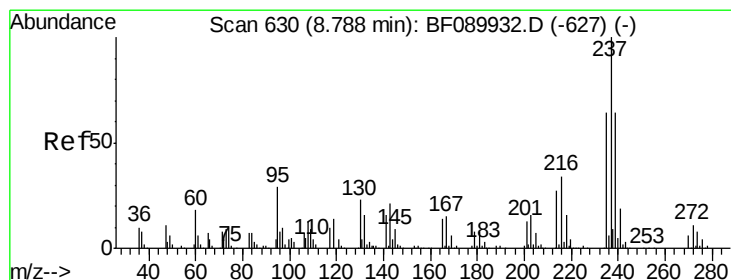
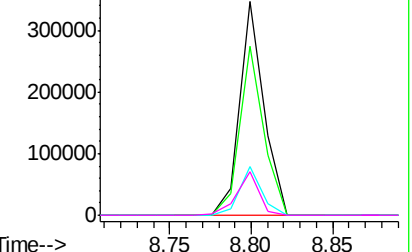
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 64.28 ng

RT: 8.79 min Scan# 630

Delta R.T. -0.01 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

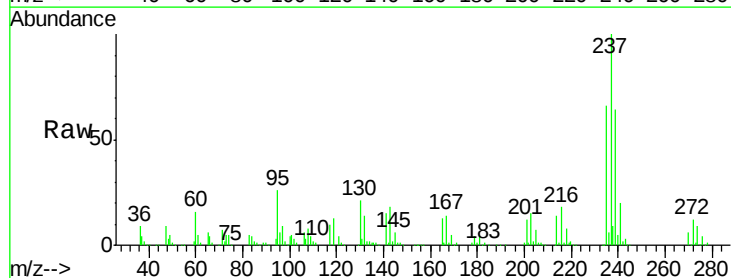
Tgt Ion:237 Resp: 331089

Ion Ratio Lower Upper

237 100

235 65.6 39.6 79.6

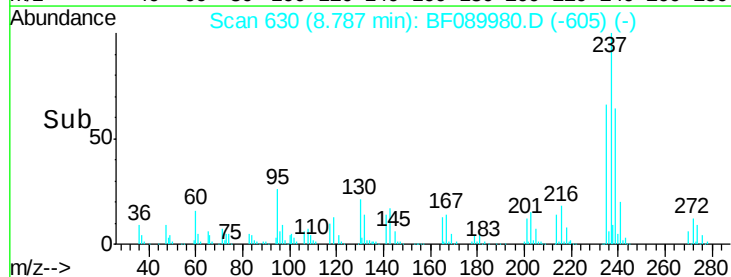
272 11.6 0.0 34.6



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->

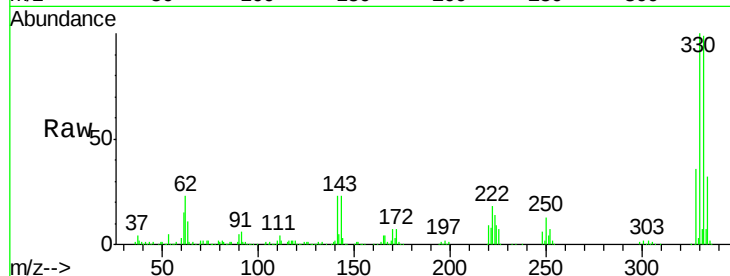




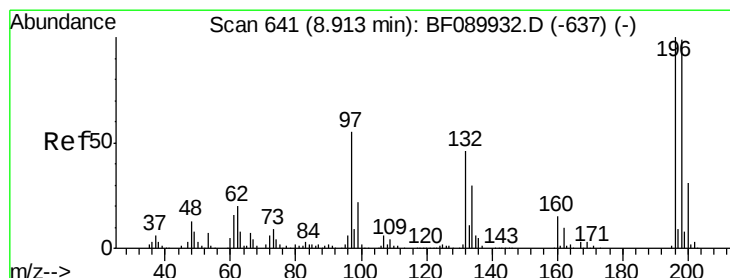
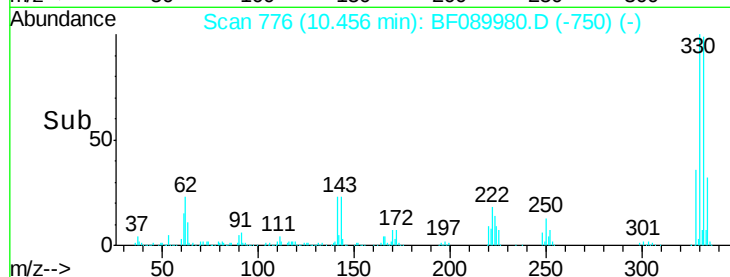
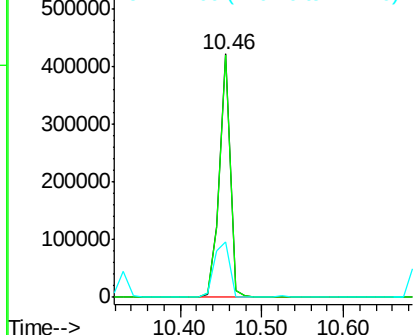
#41  
 2,4,6-Tribromophenol  
 Concen: 115.71 ng  
 RT: 10.46 min Scan# 776  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 391462  
 Ion Ratio Lower Upper  
 330 100  
 332 99.0 78.6 117.8  
 141 32.6 23.3 34.9

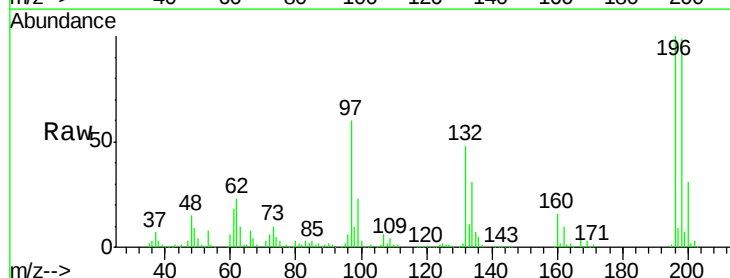


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

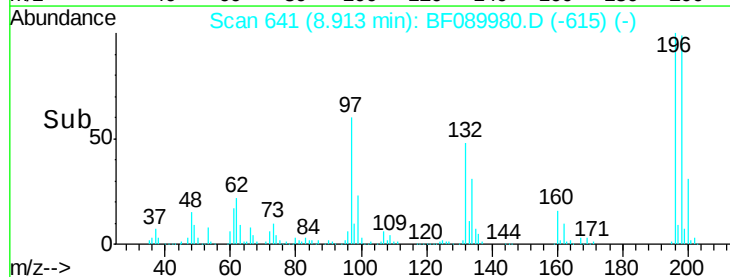
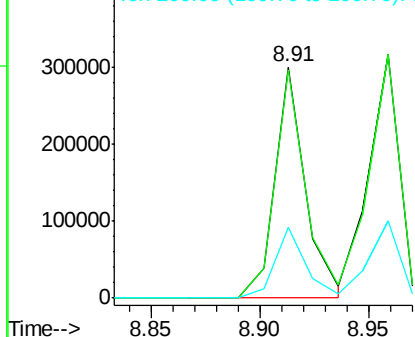


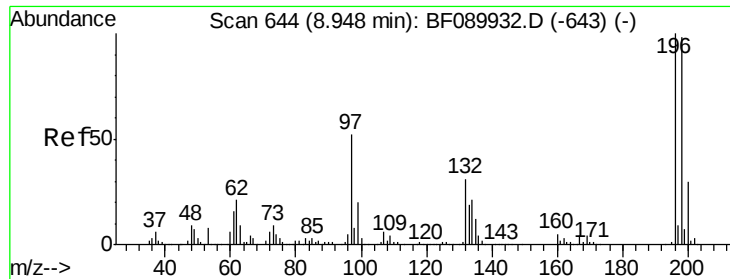
#42  
 2,4,6-Trichlorophenol  
 Concen: 42.65 ng  
 RT: 8.91 min Scan# 641  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Tgt Ion:196 Resp: 296915  
 Ion Ratio Lower Upper  
 196 100  
 198 98.7 78.3 117.5  
 200 30.7 24.8 37.2



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

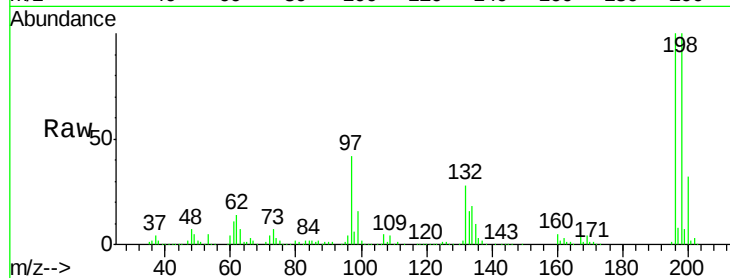




#43  
 2,4,5-Trichlorophenol  
 Concen: 46.40 ng  
 RT: 8.96 min Scan# 645  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 99.8  | 80.8  | 121.2 |
| 97      | 41.6  | 44.2  | 66.4  |
| 132     | 27.8  | 25.8  | 38.6  |



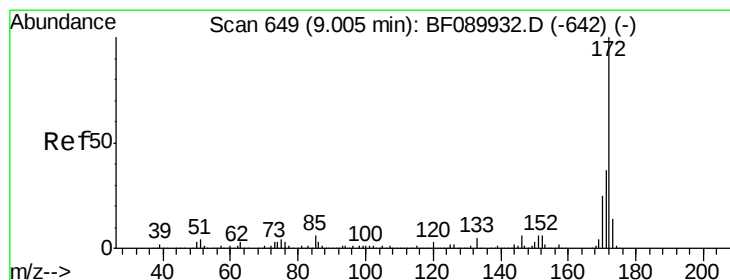
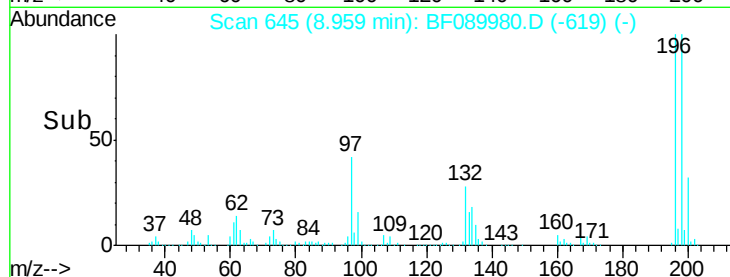
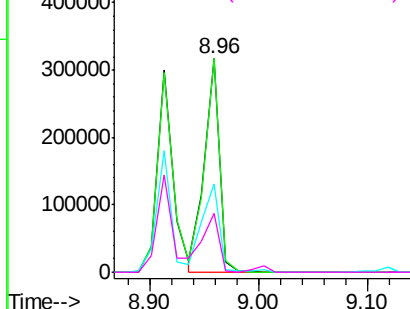
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

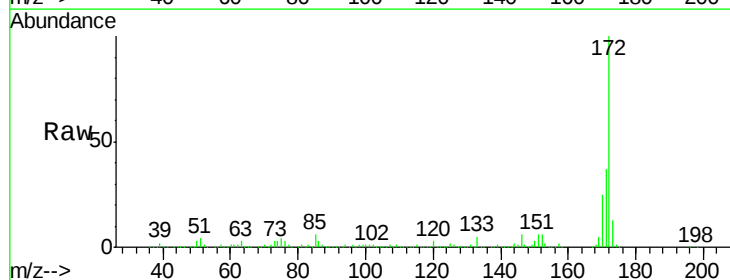
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 88.21 ng  
 RT: 9.00 min Scan# 649  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.4  | 44.2  |
| 170     | 24.8  | 20.1  | 30.1  |

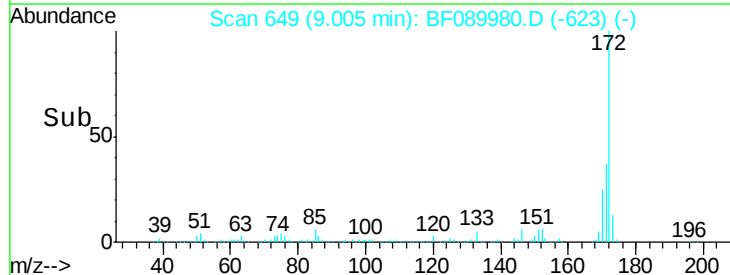
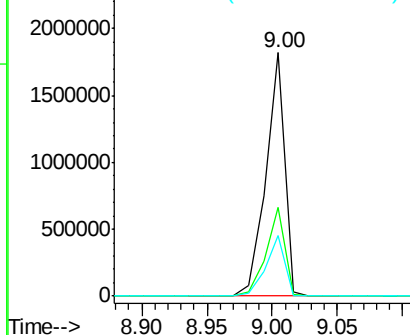


Abundance

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

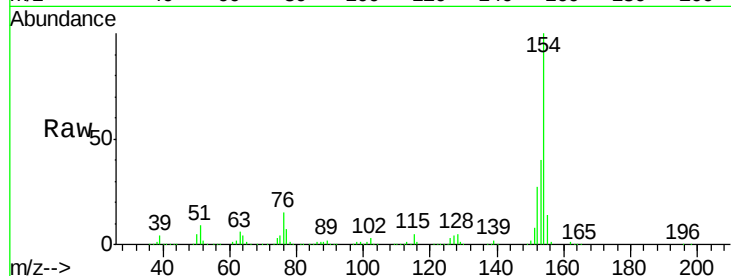




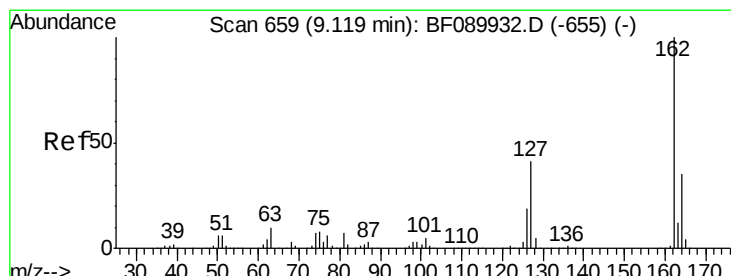
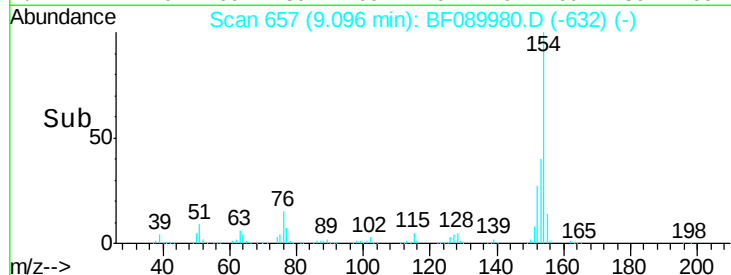
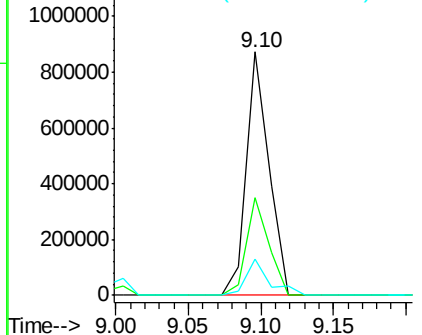
#45  
 1,1'-Biphenyl  
 Concen: 33.93 ng  
 RT: 9.10 min Scan# 657  
 Delta R.T. -0.01 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:154 Resp: 936871  
 Ion Ratio Lower Upper  
 154 100  
 153 40.3 20.6 60.6  
 76 14.8 0.0 34.9

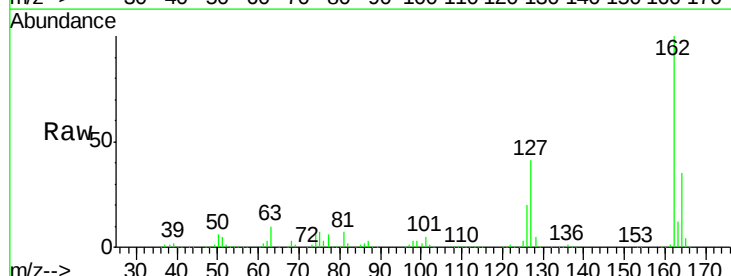


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

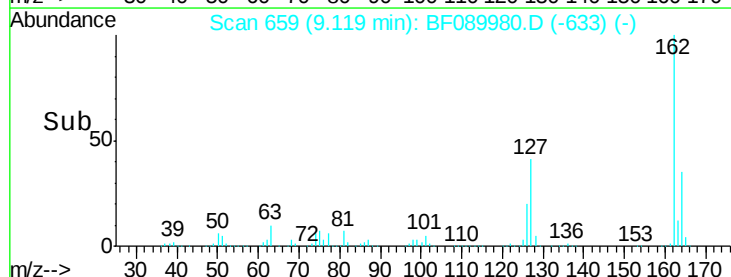
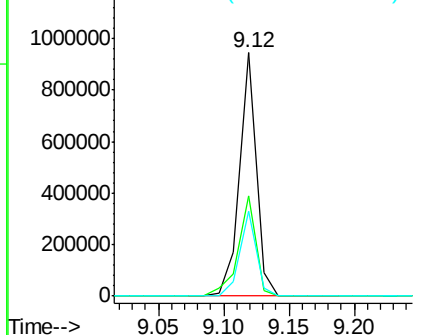


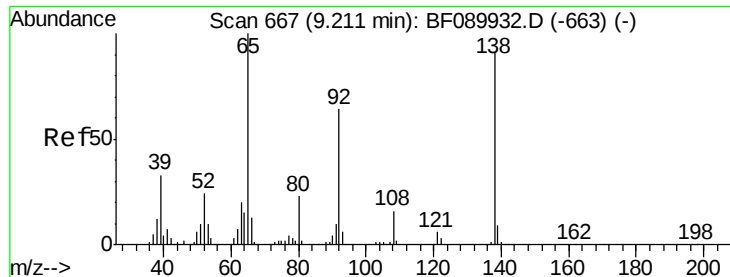
#46  
 2-Chloronaphthalene  
 Concen: 42.80 ng  
 RT: 9.12 min Scan# 659  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Tgt Ion:162 Resp: 835970  
 Ion Ratio Lower Upper  
 162 100  
 127 41.4 33.5 50.3  
 164 34.7 28.2 42.4



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

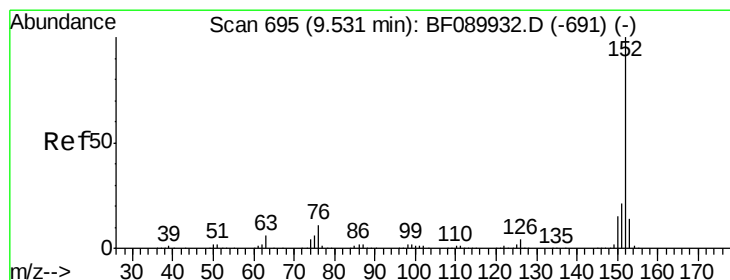
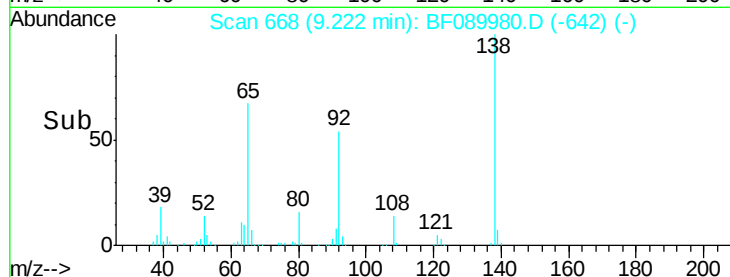
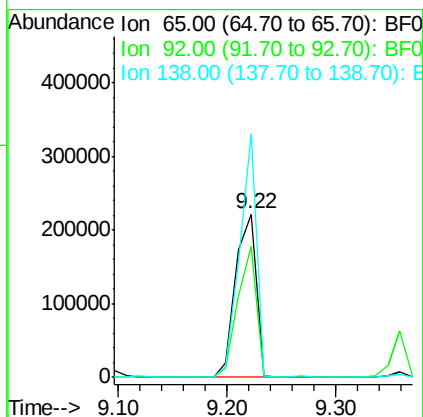
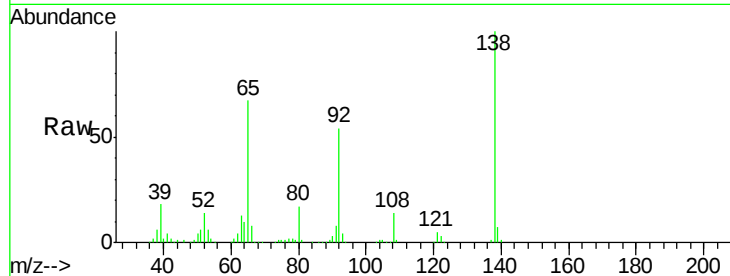




#47  
2-Nitroaniline  
Concen: 44.91 ng  
RT: 9.22 min Scan# 668  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

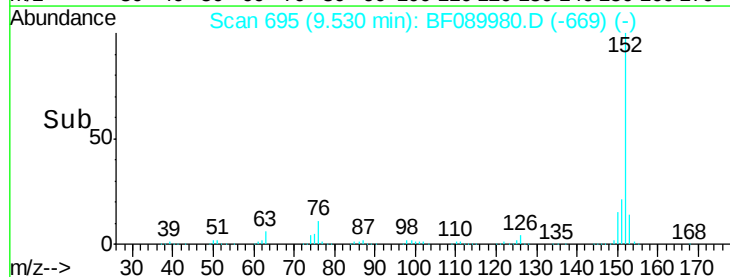
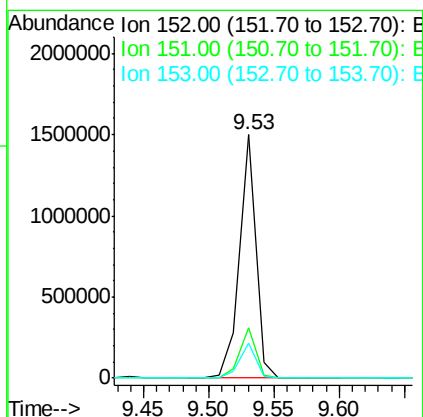
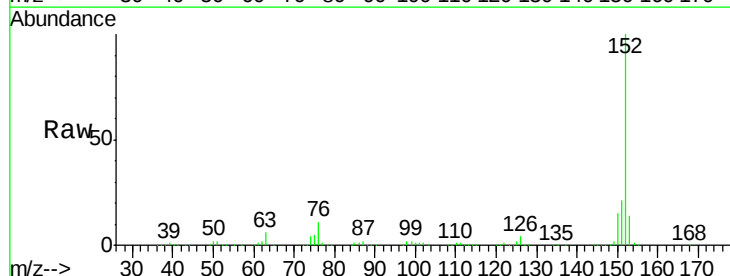
Instrument :  
BNA\_F  
ClientSampled :

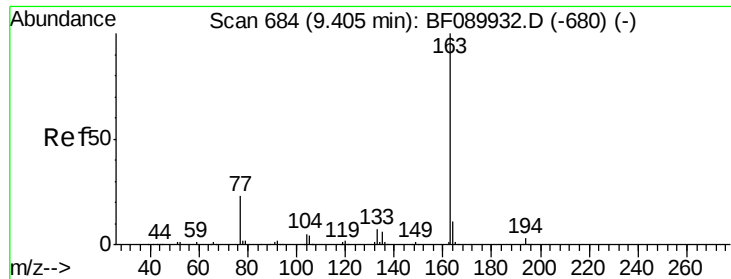
Tot Ion: 65 Resp: 286718  
Ion Ratio Lower Upper  
65 100  
92 79.7 52.0 78.0#  
138 148.9 72.1 108.1#



#48  
Acenaphthylene  
Concen: 40.32 ng  
RT: 9.53 min Scan# 695  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion: 152 Resp: 1301971  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.7 25.1  
153 14.1 11.6 17.4

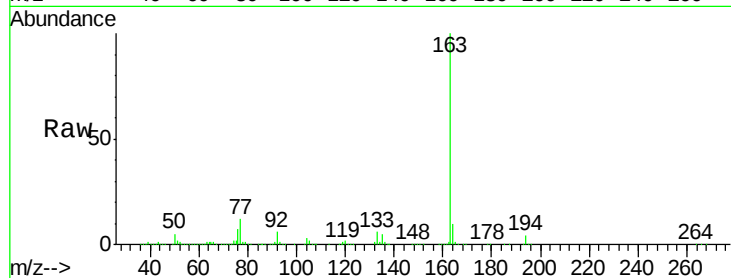




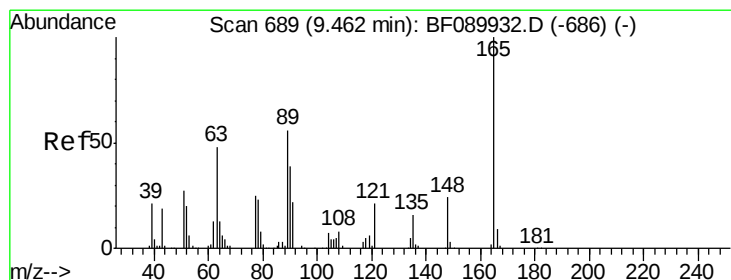
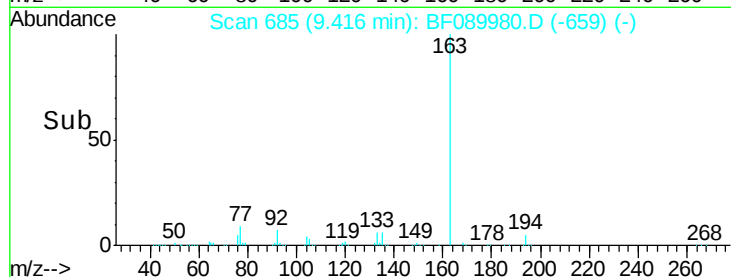
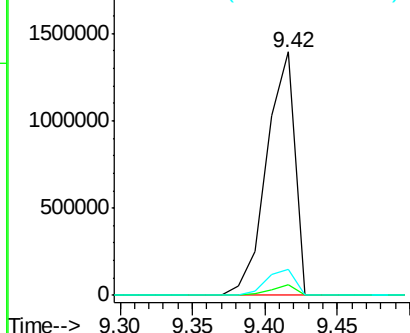
#49  
Dimethylphthalate  
Concen: 75.61 ng  
RT: 9.42 min Scan# 685  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 1873896  
Ion Ratio Lower Upper  
163 100  
194 4.2 2.7 4.1#  
164 10.5 9.0 13.4

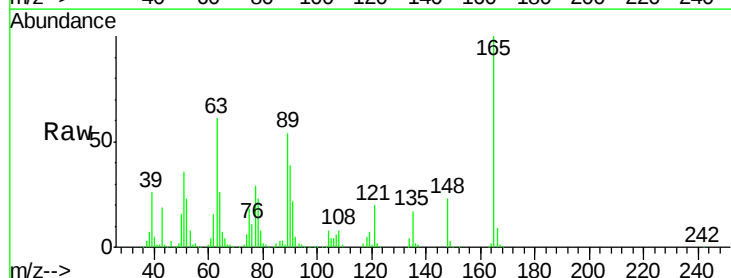


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

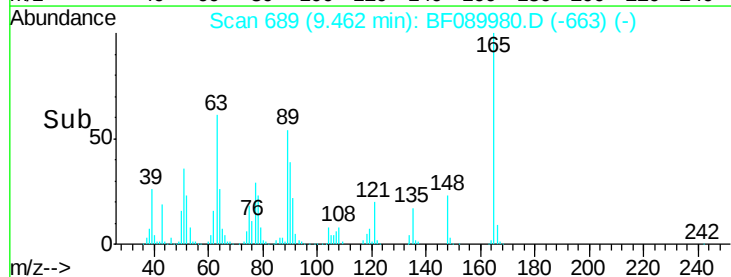
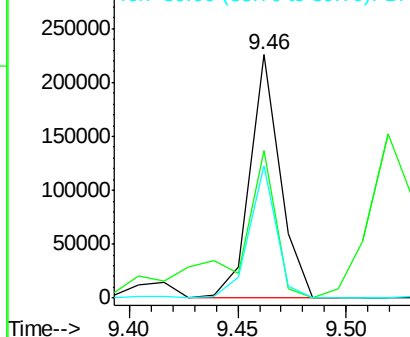


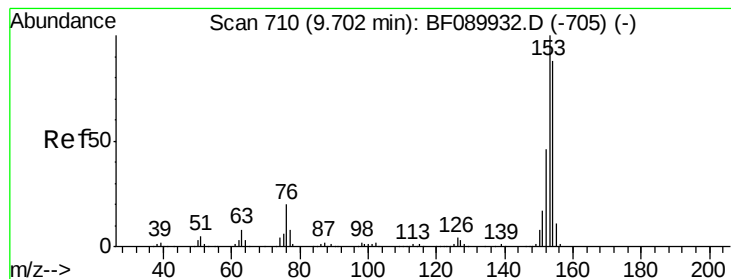
#50  
2,6-Dinitrotoluene  
Concen: 39.50 ng  
RT: 9.46 min Scan# 689  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion:165 Resp: 217710  
Ion Ratio Lower Upper  
165 100  
63 60.7 45.0 67.4  
89 54.5 41.5 62.3



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: 42.43 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampleId :

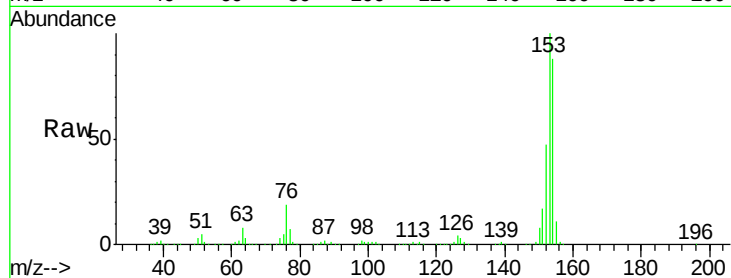
Tot Ion:154 Resp: 868193

Ion Ratio Lower Upper

154 100

153 113.6 90.6 135.8

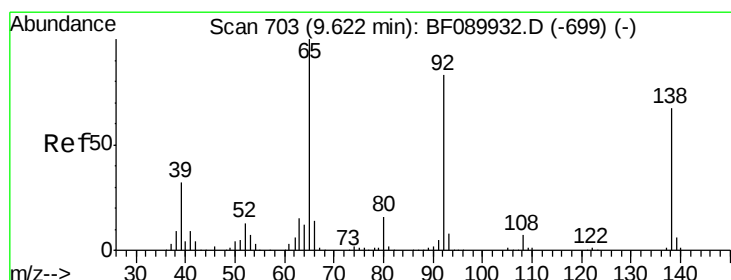
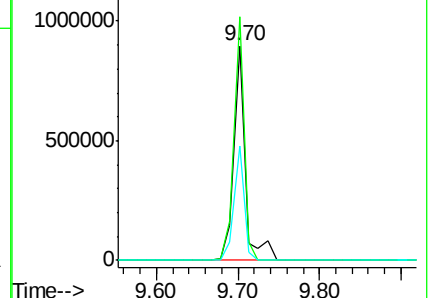
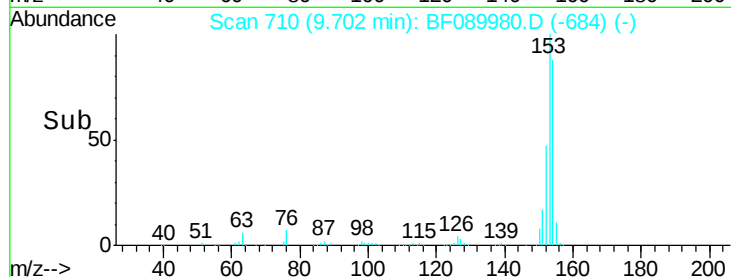
152 53.2 42.4 63.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 31.42 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

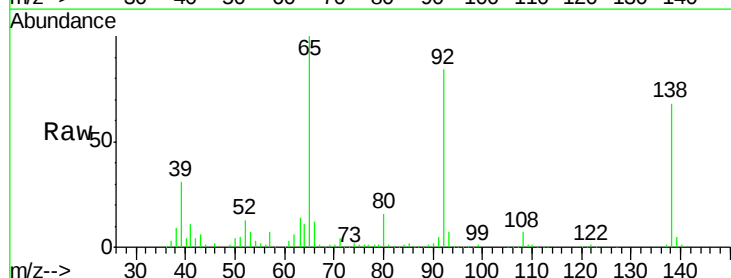
Tgt Ion:138 Resp: 197524

Ion Ratio Lower Upper

138 100

108 10.3 8.3 12.5

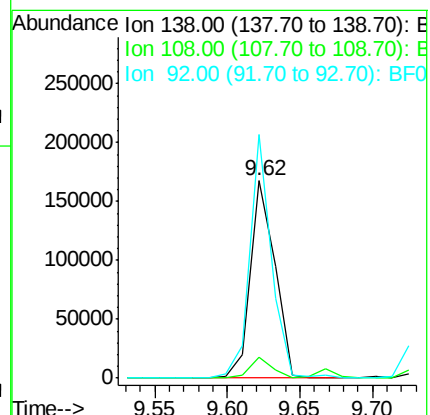
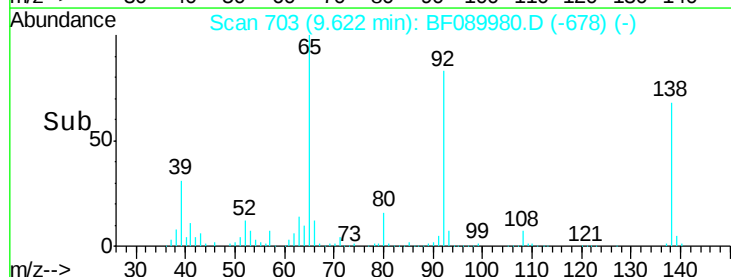
92 123.6 99.1 148.7

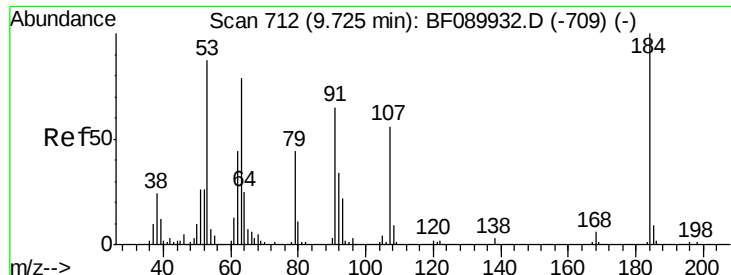


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

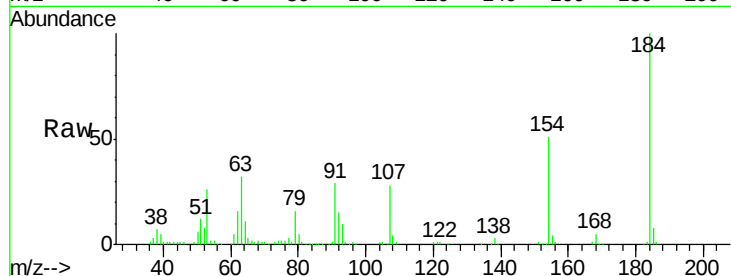




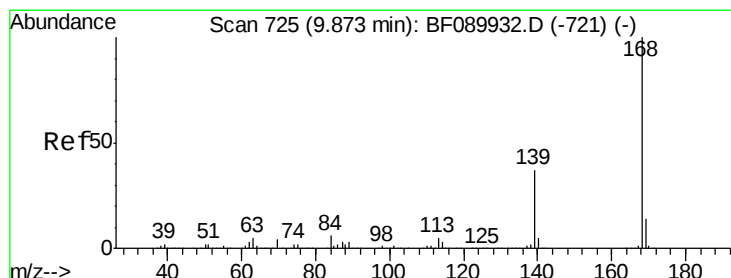
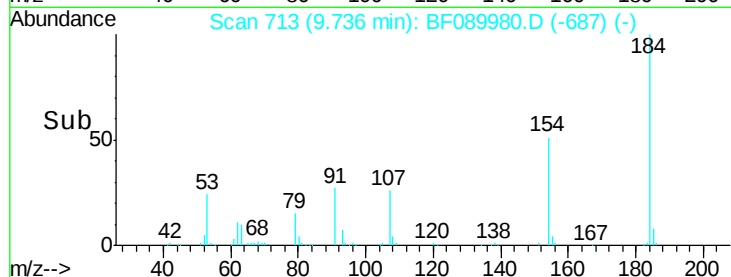
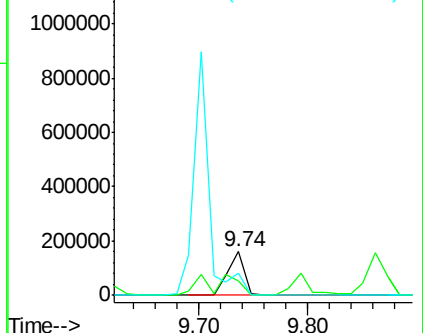
#53  
2,4-Dinitrophenol  
Concen: 54.25 ng  
RT: 9.74 min Scan# 713  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:184 Resp: 170440  
Ion Ratio Lower Upper  
184 100  
63 32.0 73.9 110.9#  
154 51.3 53.5 80.3#

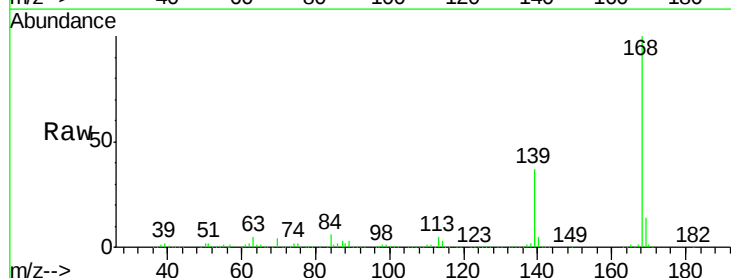


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

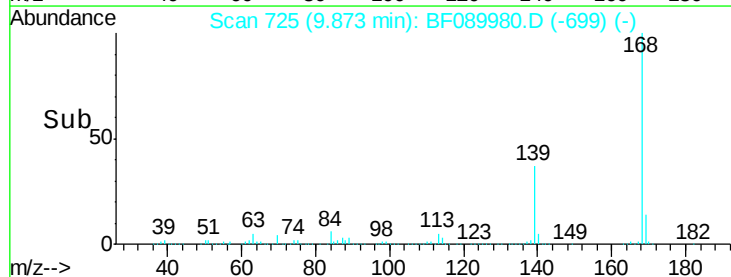
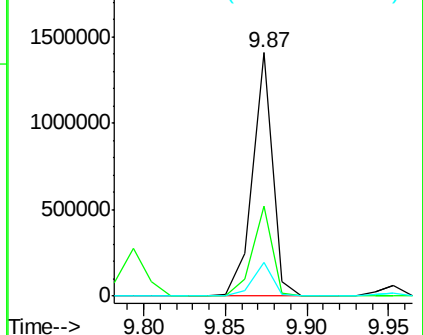


#54  
Dibenzofuran  
Concen: 43.68 ng  
RT: 9.87 min Scan# 725  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion:168 Resp: 1197554  
Ion Ratio Lower Upper  
168 100  
139 36.8 29.5 44.3  
169 13.7 10.8 16.2



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

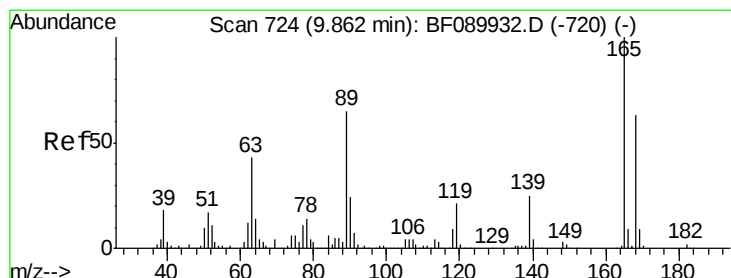
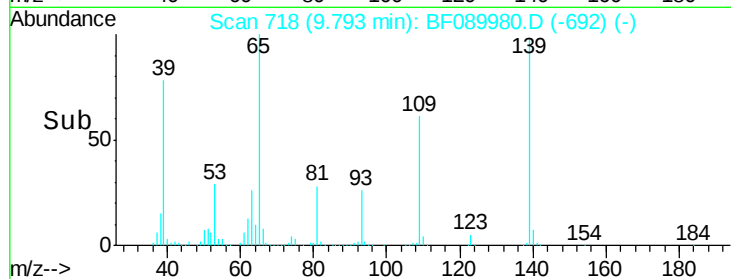
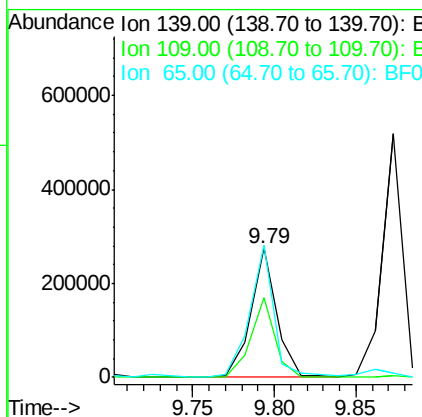
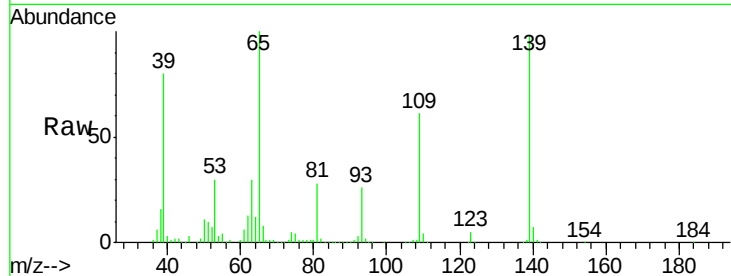




#55  
4-Nitrophenol  
Concen: 64.03 ng  
RT: 9.79 min Scan# 718  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

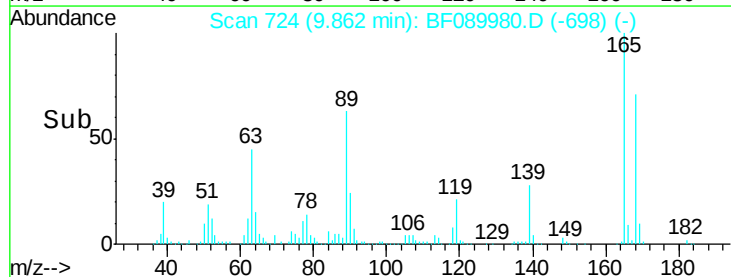
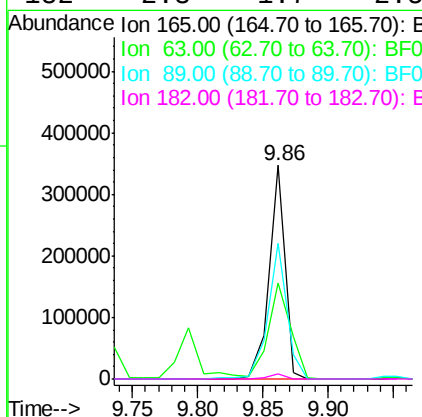
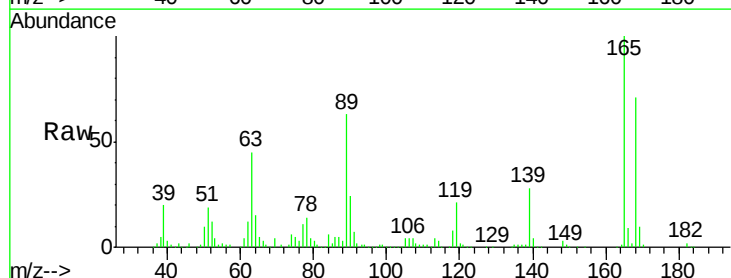
Instrument :  
BNA\_F  
ClientSampleId :

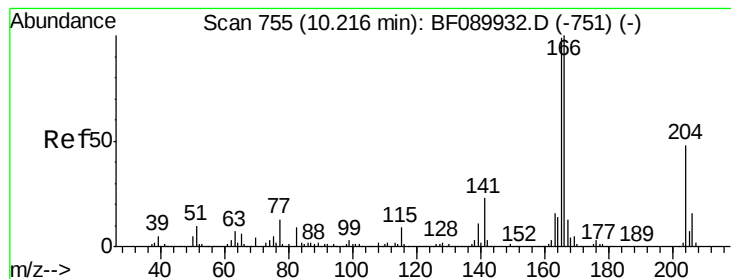
Tot Ion:139 Resp: 303622  
Ion Ratio Lower Upper  
139 100  
109 61.9 31.3 71.3  
65 102.0 38.5 78.5#



#56  
2,4-Dinitrotoluene  
Concen: 42.68 ng  
RT: 9.86 min Scan# 724  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion:165 Resp: 298327  
Ion Ratio Lower Upper  
165 100  
63 44.9 32.5 48.7  
89 63.4 48.3 72.5  
182 2.3 1.7 2.5





#57

Fluorene

Concen: 44.14 ng

RT: 10.22 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampleId :

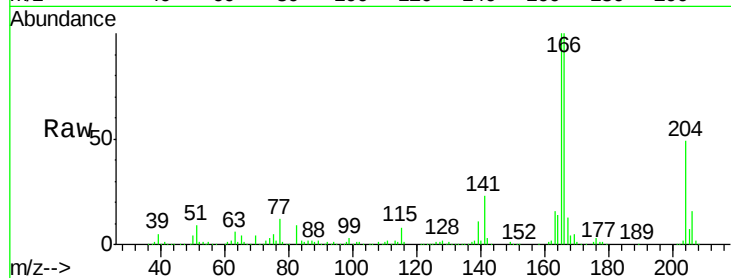
Tot Ion:166 Resp: 884359

Ion Ratio Lower Upper

166 100

165 100.2 78.6 118.0

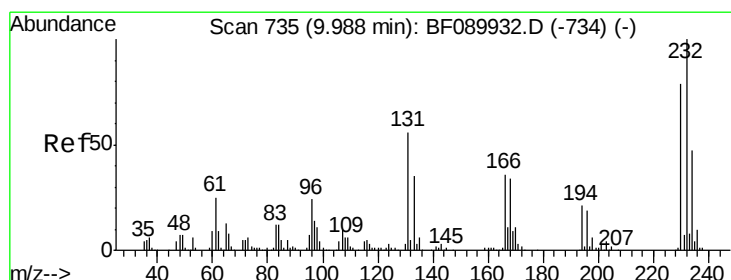
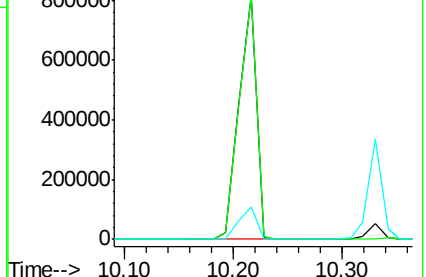
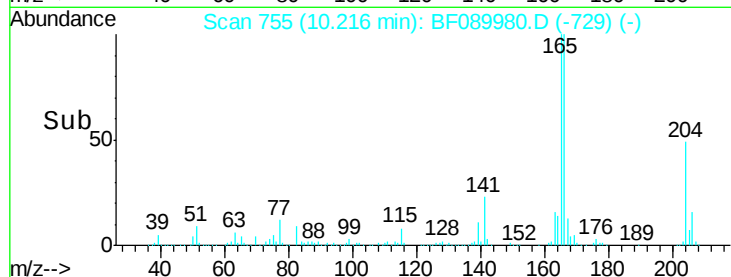
167 13.2 10.6 15.8



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: 42.35 ng

RT: 10.00 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Tgt Ion:232 Resp: 242700

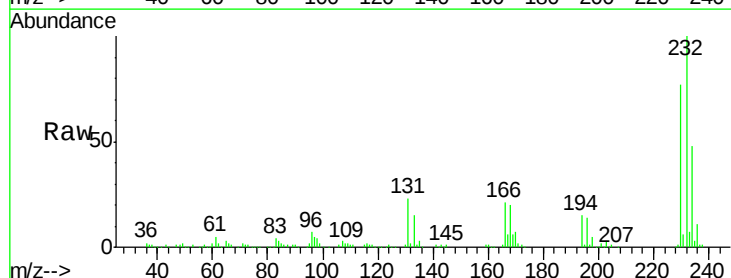
Ion Ratio Lower Upper

232 100

131 43.0 36.3 54.5

130 2.0 1.7 2.5

166 29.8 24.4 36.6

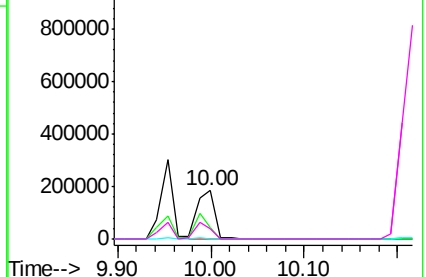
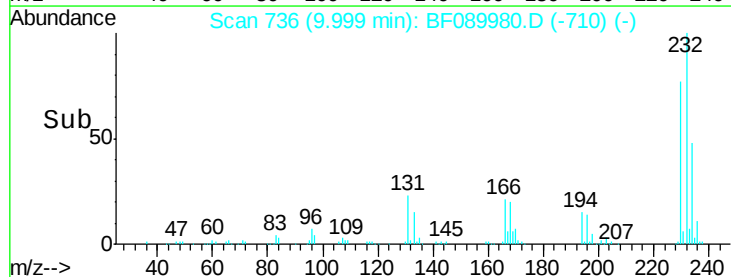


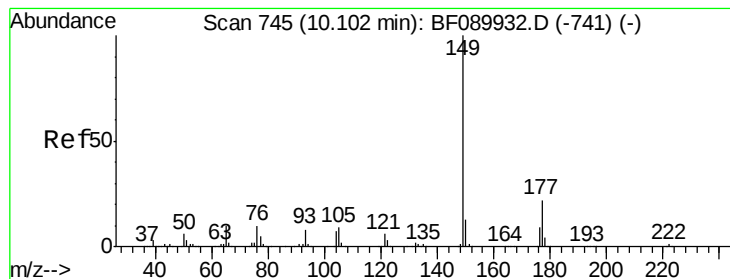
Abundance Ion 232.00 (231.70 to 232.70): E

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: 40.74 ng

RT: 10.10 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampleId :

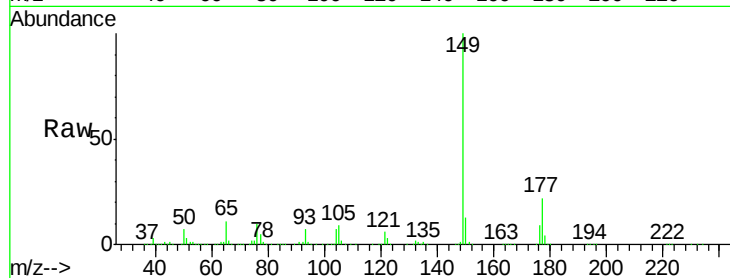
Tot Ion:149 Resp: 949896

Ion Ratio Lower Upper

149 100

177 21.8 17.7 26.5

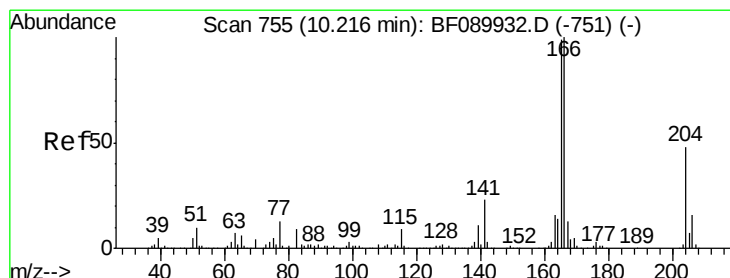
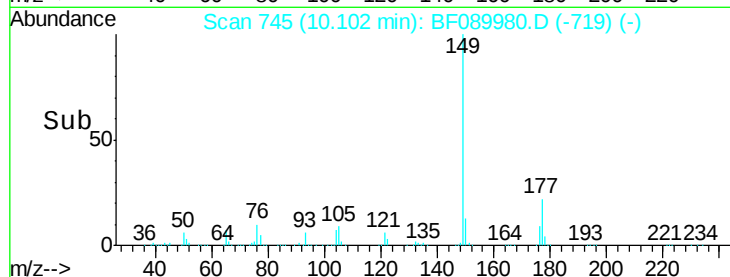
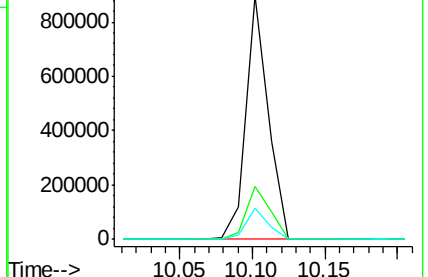
150 12.9 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 43.84 ng

RT: 10.22 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

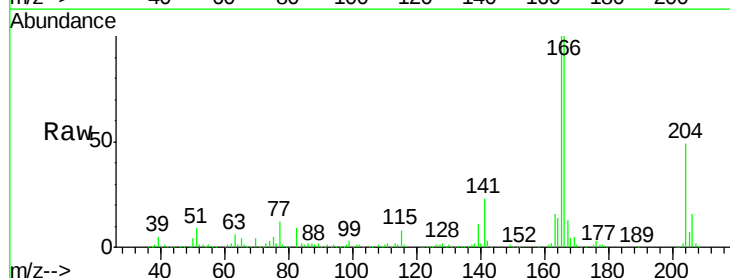
Tgt Ion:204 Resp: 413376

Ion Ratio Lower Upper

204 100

206 33.1 26.6 40.0

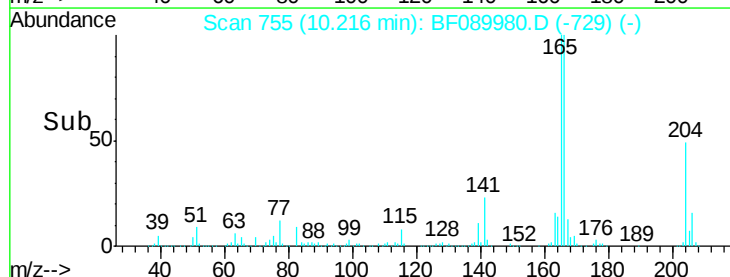
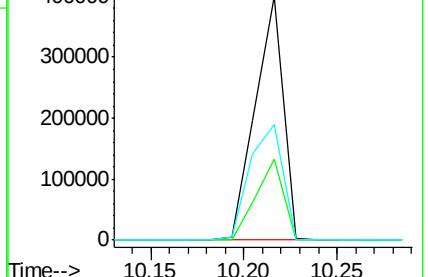
141 47.3 36.5 54.7

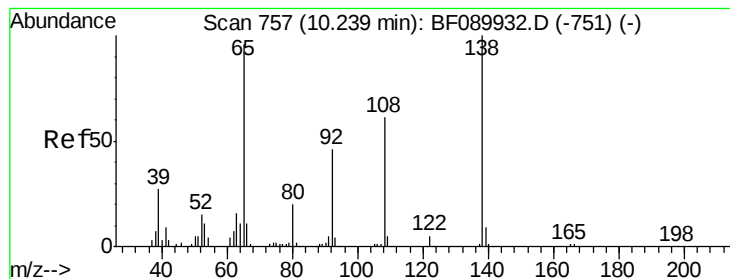


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 40.14 ng

RT: 10.24 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampled :

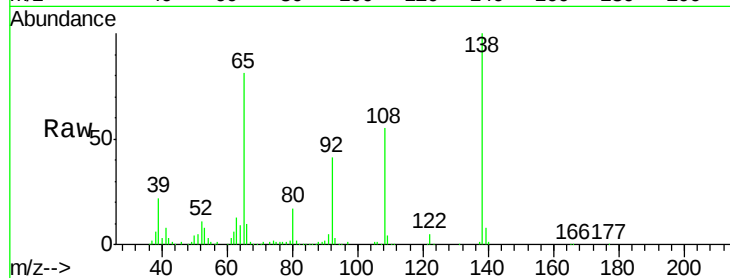
Tot Ion:138 Resp: 247922

Ion Ratio Lower Upper

138 100

92 41.4 21.2 61.2

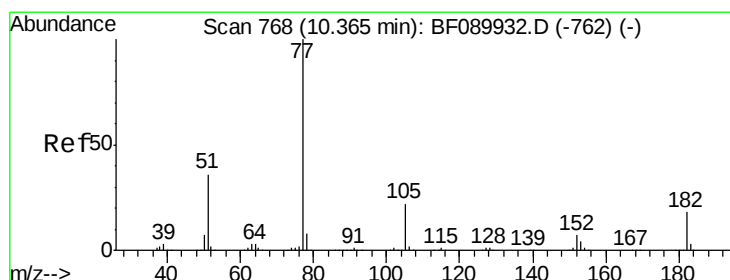
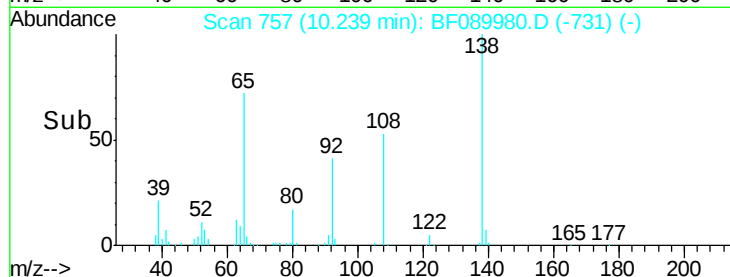
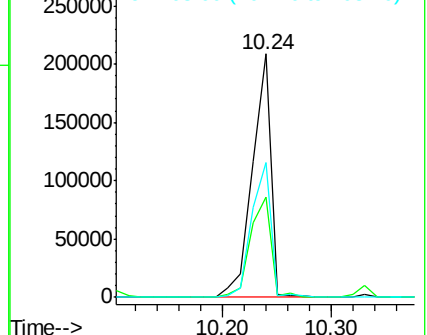
108 55.2 37.7 77.7



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: 41.46 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Tgt Ion: 77 Resp: 965596

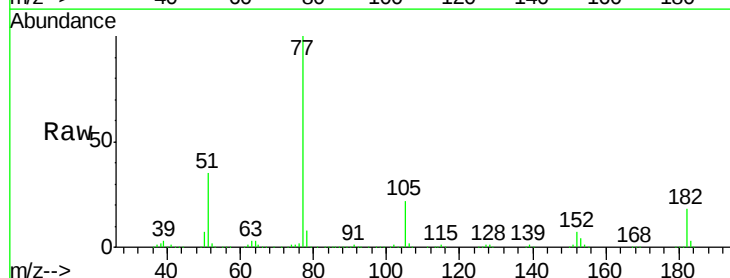
Ion Ratio Lower Upper

77 100

182 17.9 0.0 38.6

105 21.8 2.3 42.3

51 34.9 15.1 55.1

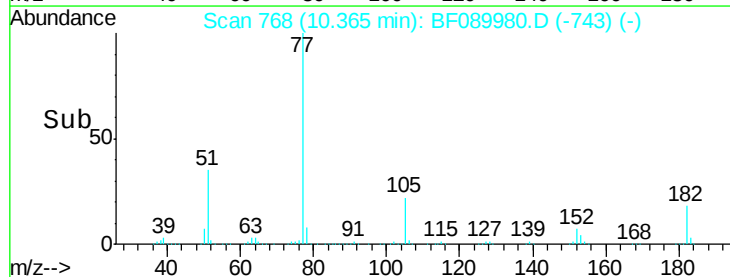
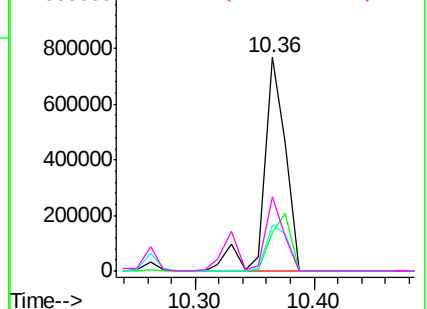


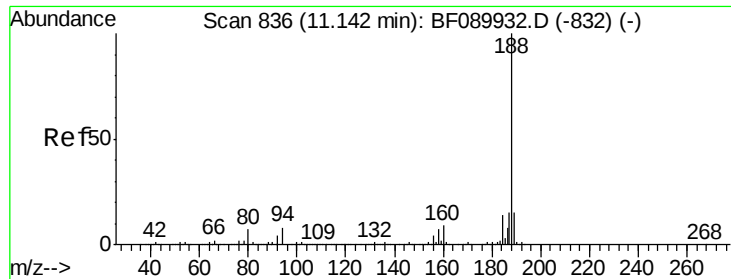
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

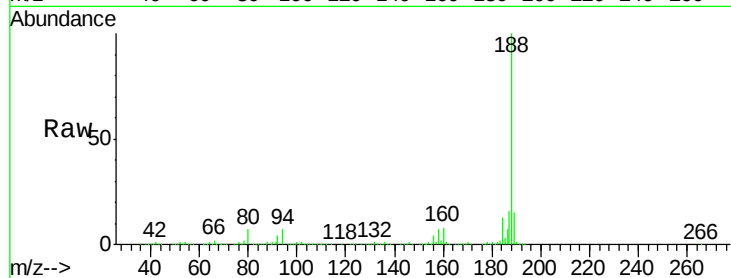




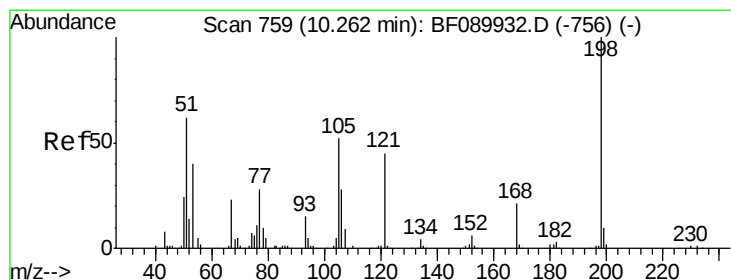
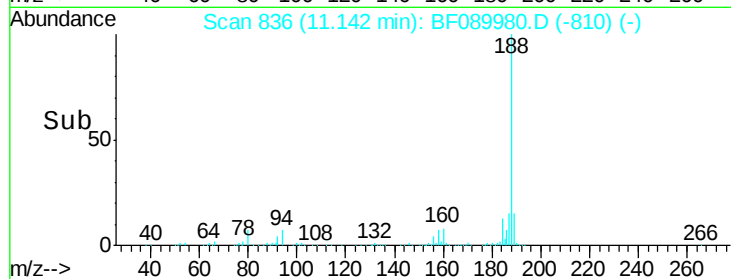
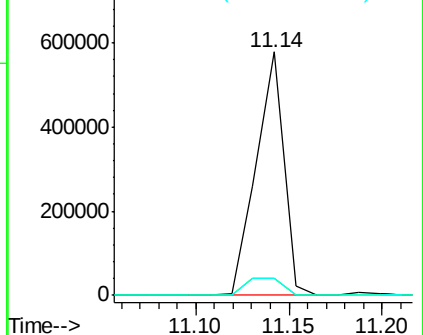
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.14 min Scan# 836  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.2   | 5.9   | 8.9   |
| 80      | 7.2   | 5.8   | 8.8   |

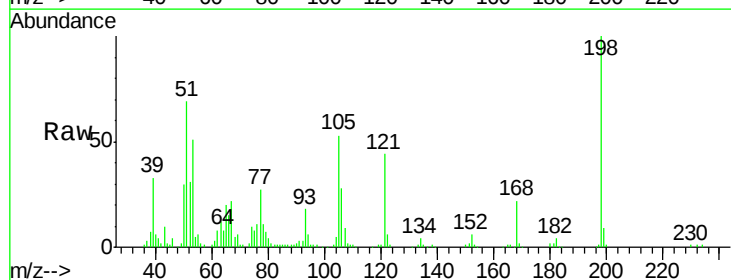


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

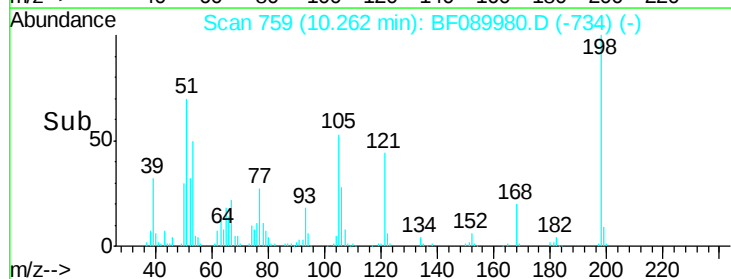
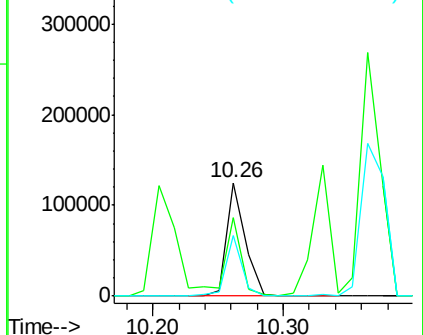


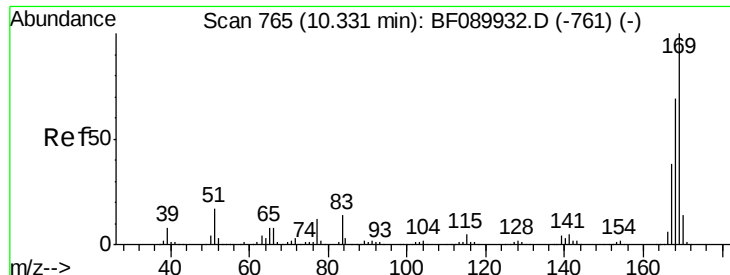
#64  
4,6-Dinitro-2-methylphenol  
Concen: 32.58 ng  
RT: 10.26 min Scan# 759  
Delta R.T. -0.01 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 69.5  | 43.0  | 83.0  |
| 105     | 53.1  | 30.3  | 70.3  |



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: 42.90 ng

RT: 10.33 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampleId :

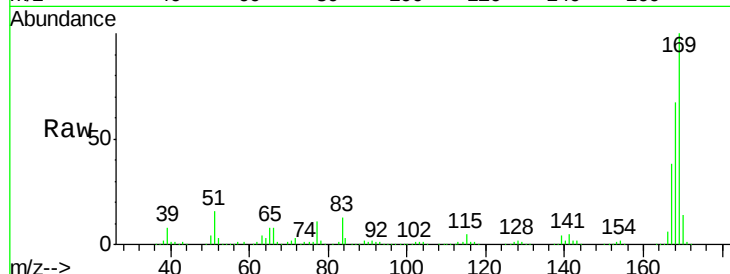
Tot Ion:169 Resp: 765817

Ion Ratio Lower Upper

169 100

168 67.5 55.0 82.4

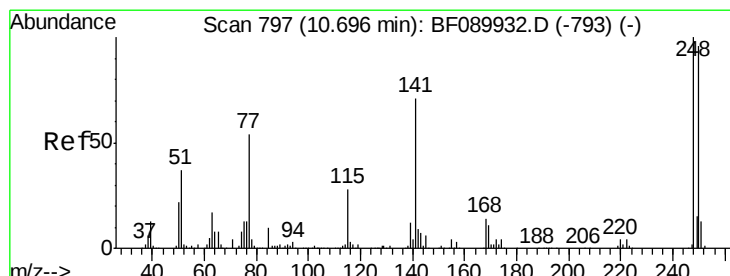
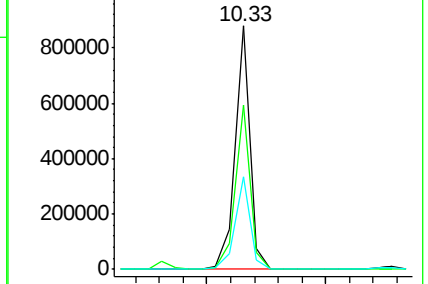
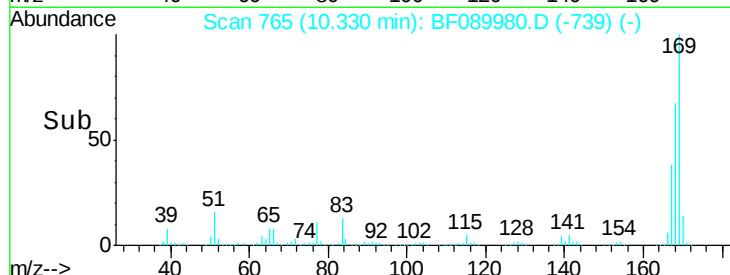
167 38.1 30.5 45.7



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: 44.48 ng

RT: 10.70 min Scan# 797

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

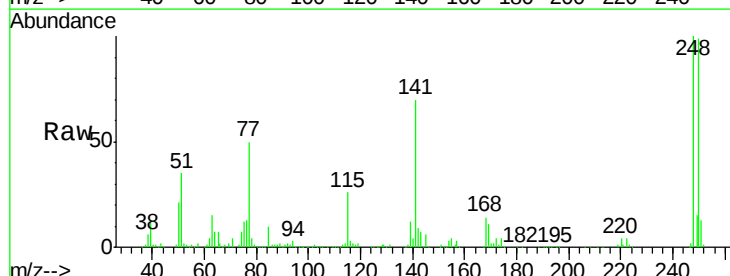
Tgt Ion:248 Resp: 265856

Ion Ratio Lower Upper

248 100

250 98.5 77.3 115.9

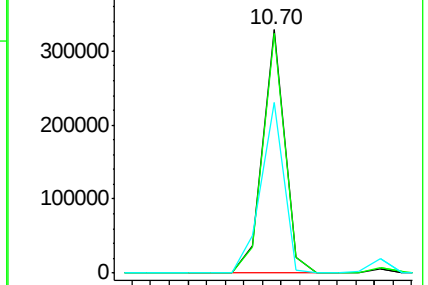
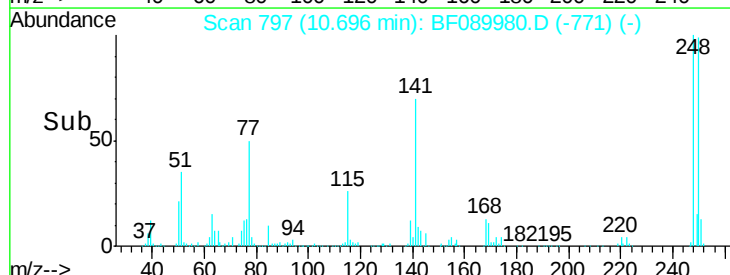
141 70.3 55.8 83.8

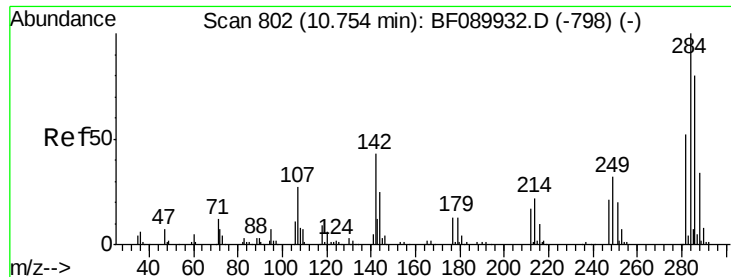


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

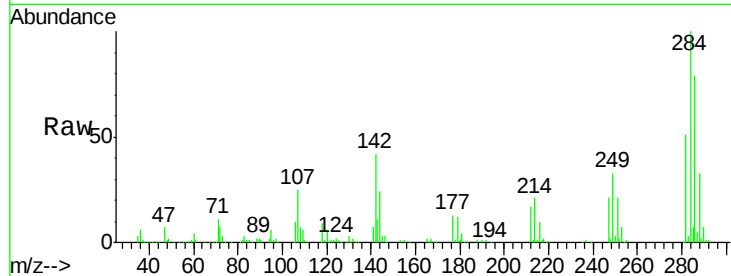




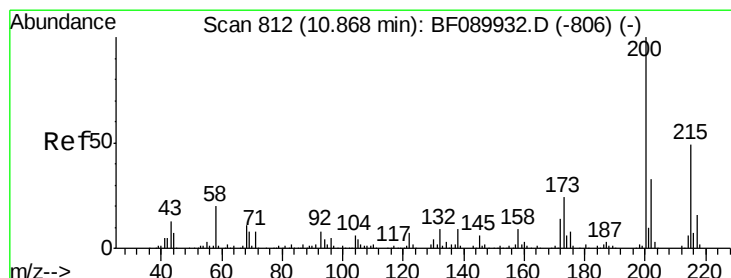
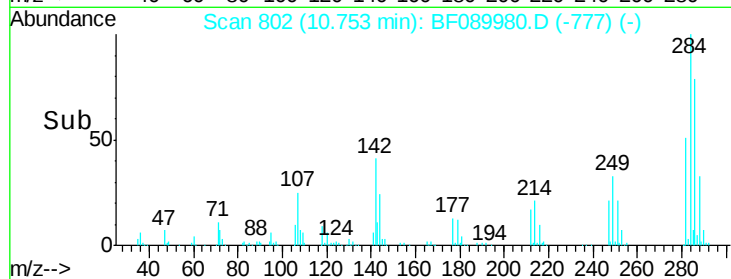
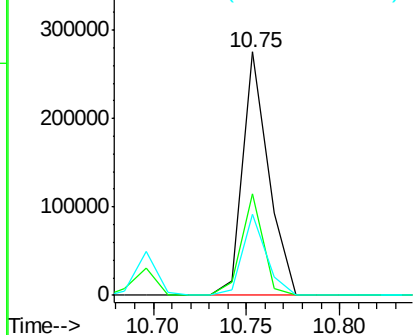
#67  
Hexachlorobenzene  
Concen: 38.63 ng  
RT: 10.75 min Scan# 802  
Delta R.T. -0.01 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 41.6  | 32.7  | 49.1  |
| 249     | 33.2  | 26.9  | 40.3  |

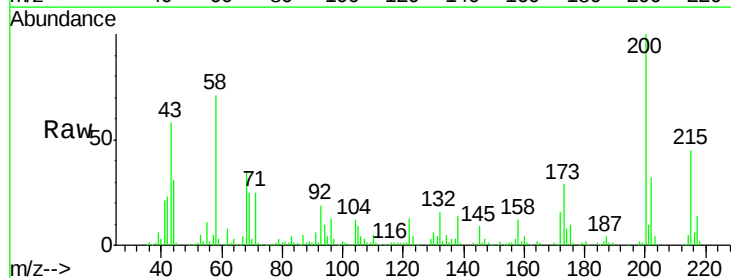


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

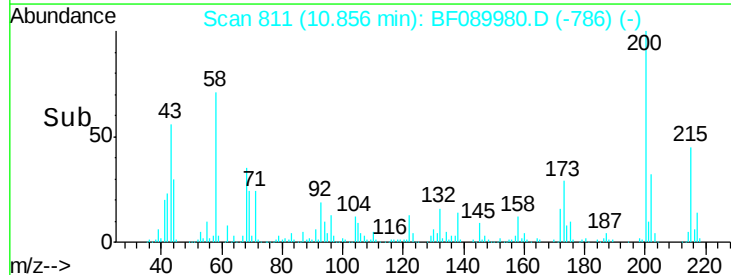
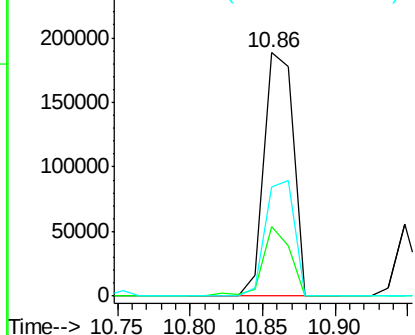


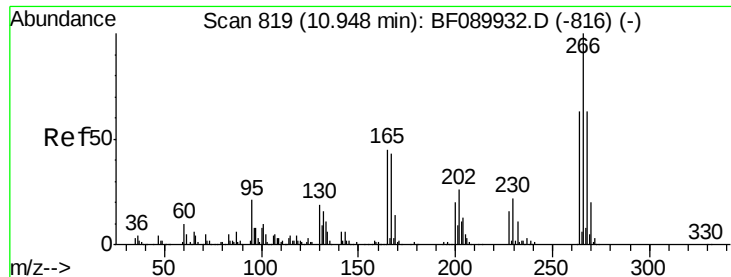
#68  
Atrazine  
Concen: 44.19 ng  
RT: 10.86 min Scan# 811  
Delta R.T. -0.01 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 28.8  | 9.4   | 49.4  |
| 215     | 44.9  | 24.5  | 64.5  |



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

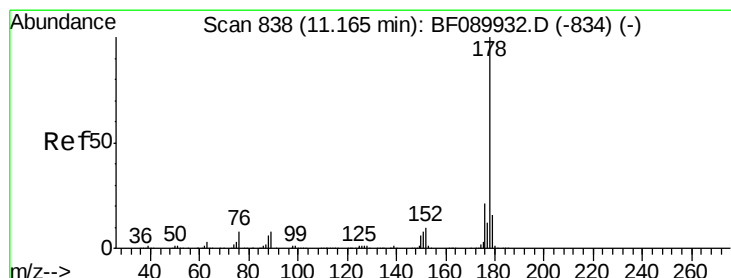
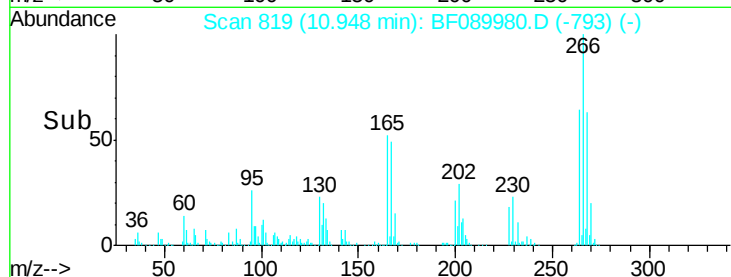
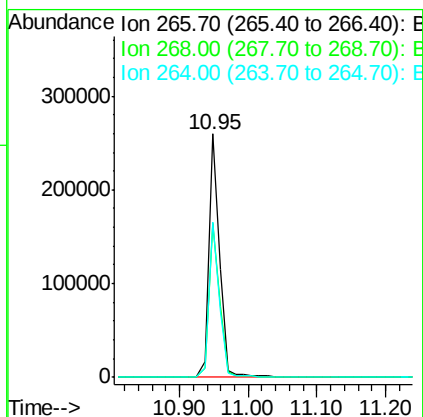
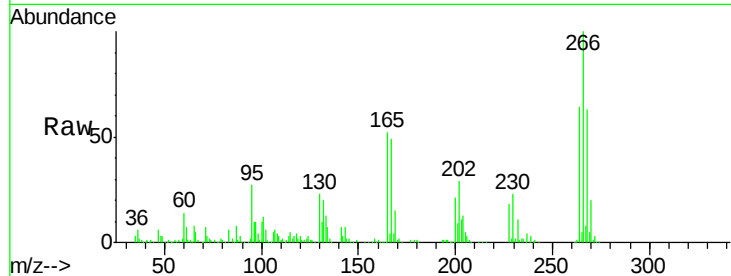




#69  
 Pentachlorophenol  
 Concen: 77.72 ng  
 RT: 10.95 min Scan# 819  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

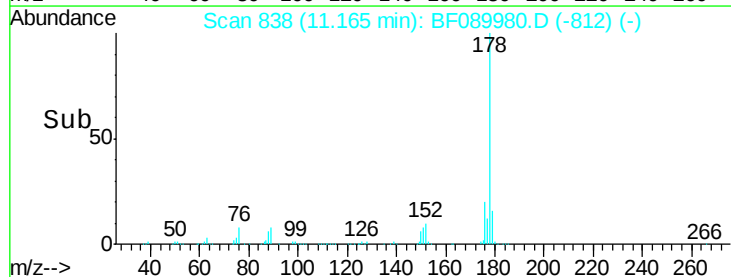
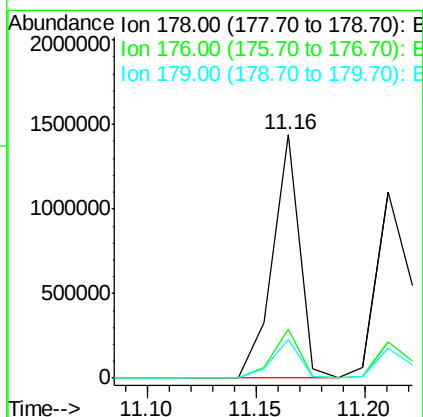
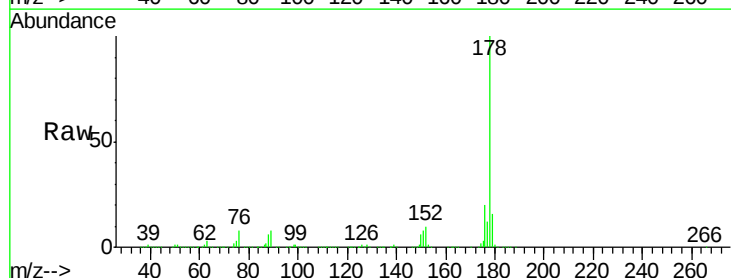
Instrument :  
 BNA\_F  
 ClientSampleId :

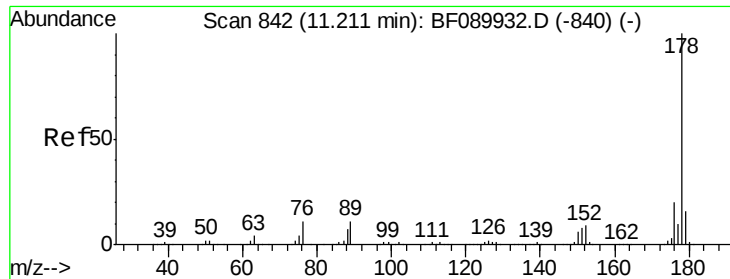
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.0  | 51.0  | 76.6  |
| 264     | 63.9  | 50.6  | 75.8  |



#70  
 Phenanthrene  
 Concen: 42.39 ng  
 RT: 11.16 min Scan# 838  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.1  | 16.5  | 24.7  |
| 179     | 15.8  | 12.8  | 19.2  |

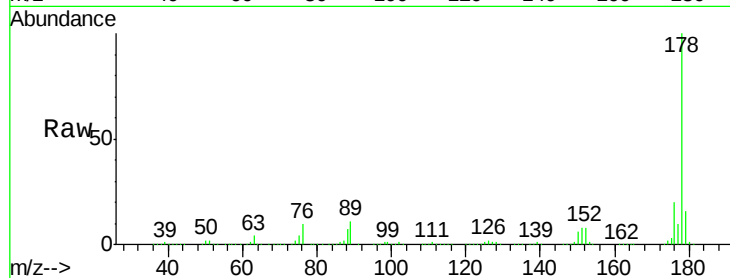




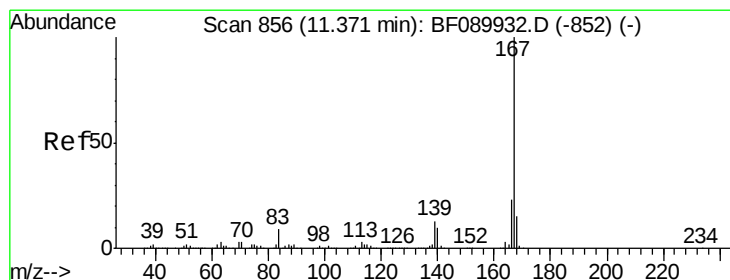
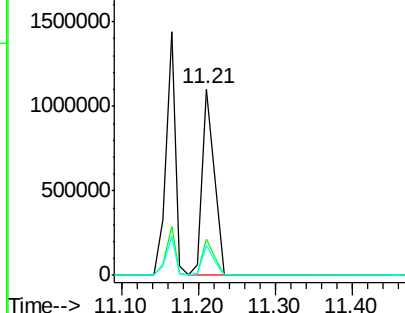
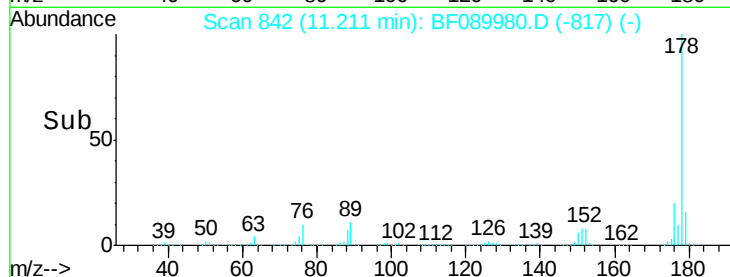
#71  
 Anthracene  
 Concen: 39.62 ng  
 RT: 11.21 min Scan# 842  
 Delta R.T. -0.01 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 1188120  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 15.8 23.8  
 179 15.9 13.0 19.4

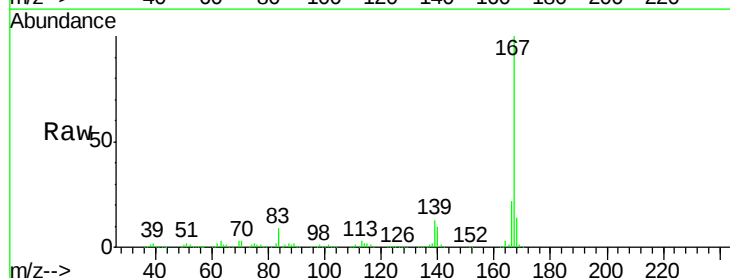


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

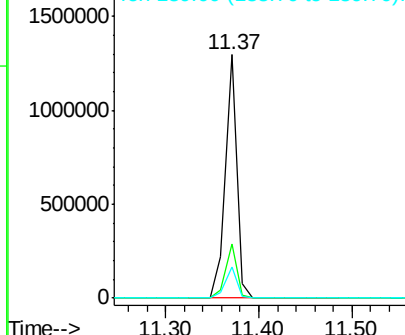
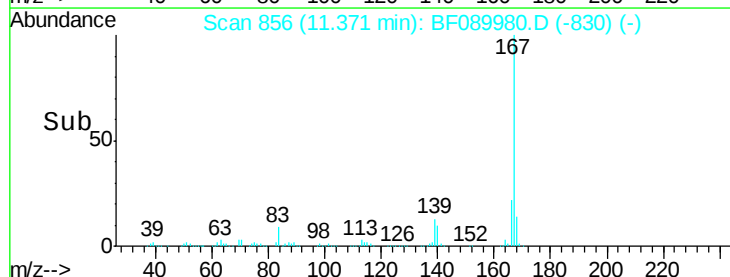


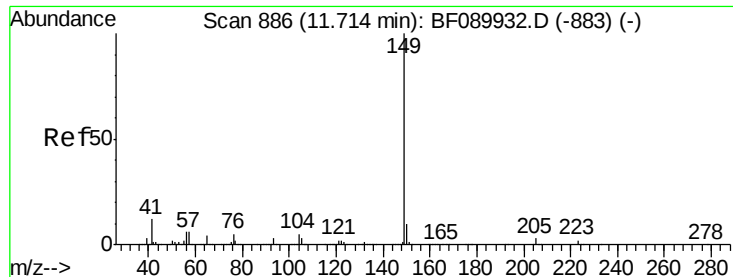
#72  
 Carbazole  
 Concen: 39.39 ng  
 RT: 11.37 min Scan# 856  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Tgt Ion:167 Resp: 1107657  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 18.1 27.1  
 139 13.0 10.4 15.6



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: 41.78 ng

RT: 11.71 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampleId :

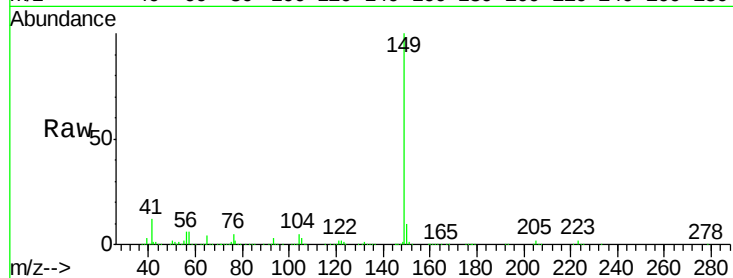
Tot Ion:149 Resp: 1369171

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.8

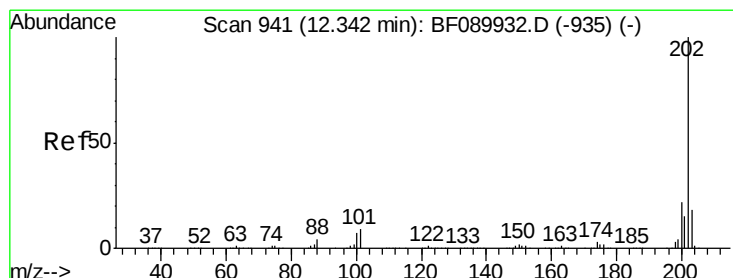
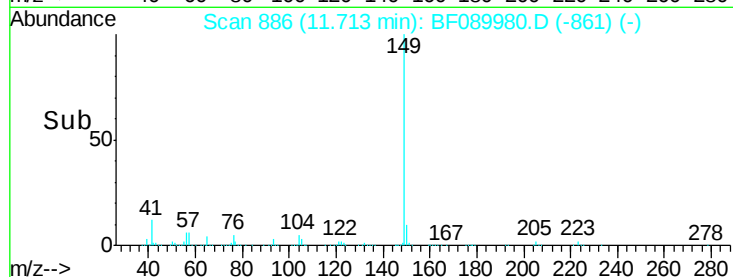
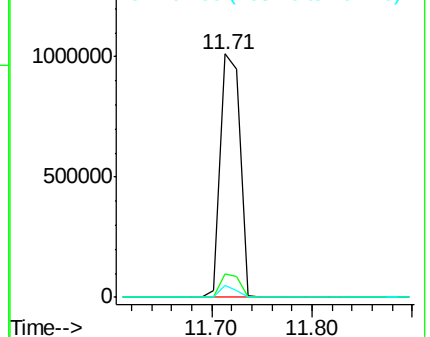
104 4.9 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 40.59 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

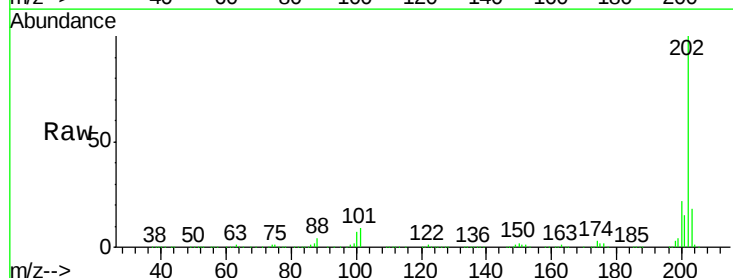
Tgt Ion:202 Resp: 1257541

Ion Ratio Lower Upper

202 100

101 9.5 0.0 28.5

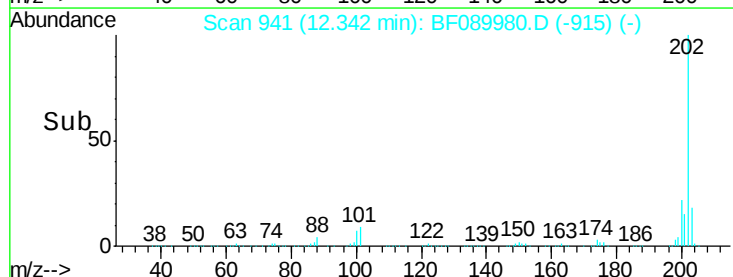
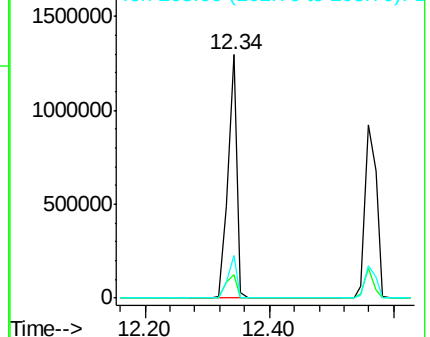
203 17.8 0.0 38.0

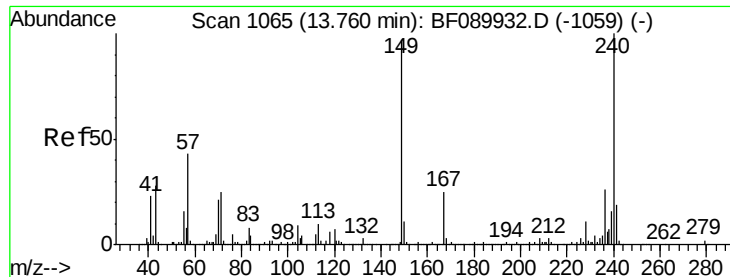


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampled :

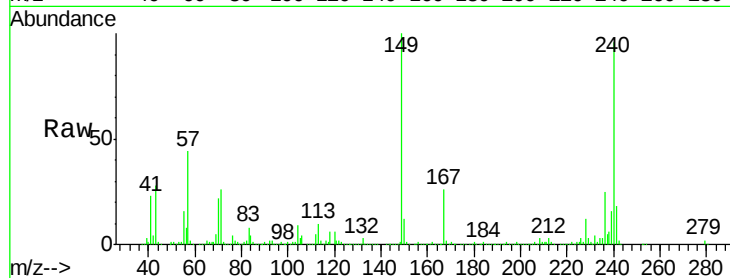
Tot Ion:240 Resp: 419302

Ion Ratio Lower Upper

240 100

120 6.6 5.7 8.5

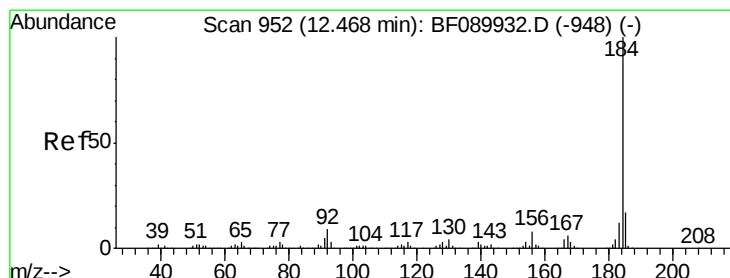
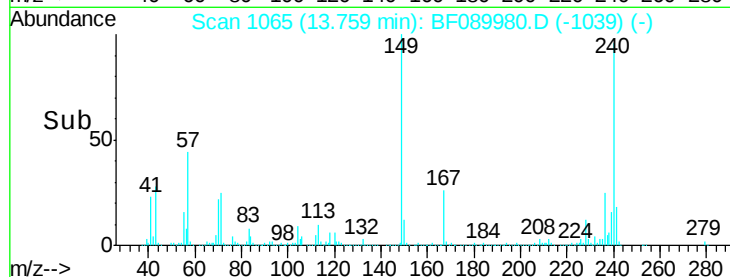
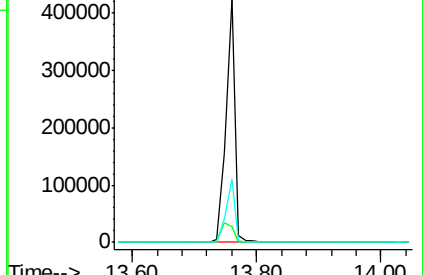
236 25.9 21.3 31.9



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: 2.93 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

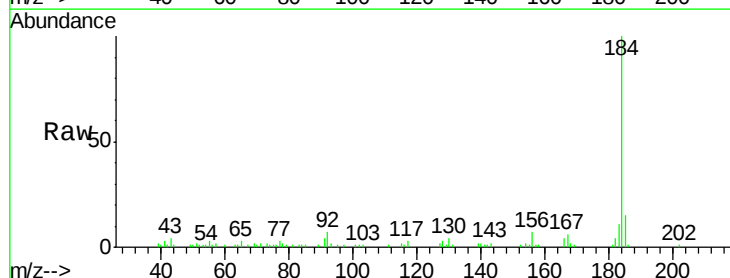
Tgt Ion:184 Resp: 46530

Ion Ratio Lower Upper

184 100

185 15.1 13.8 20.8

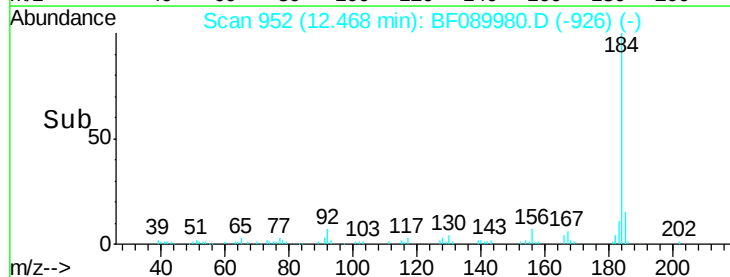
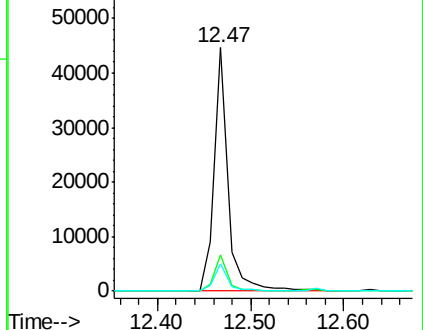
183 11.1 9.6 14.4

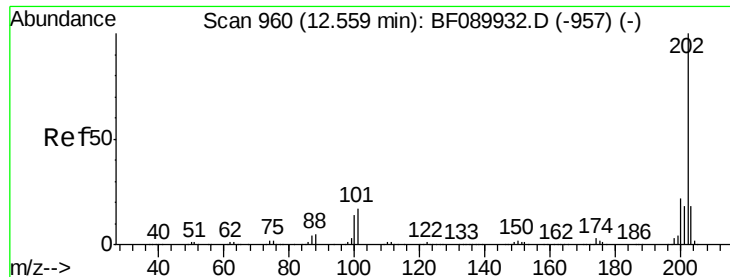


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

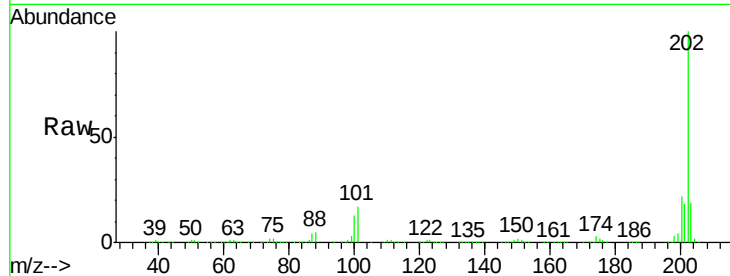




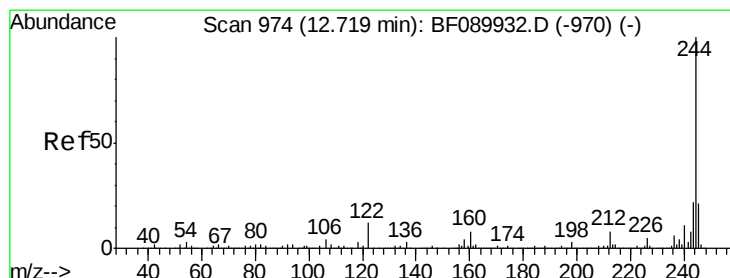
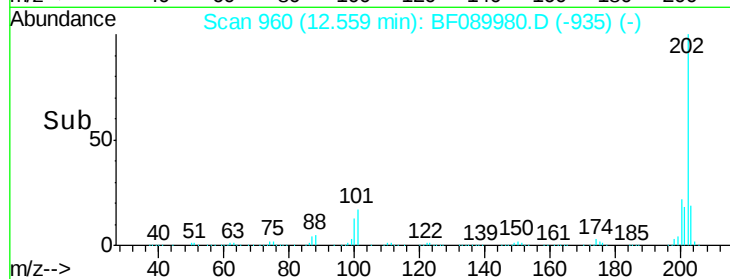
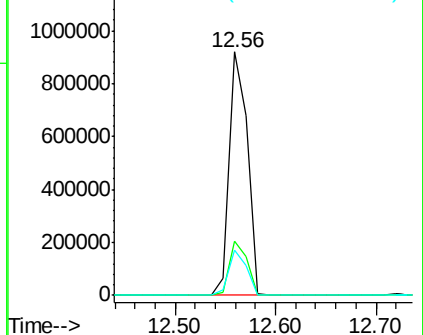
#77  
Pvrene  
Concen: 39.03 ng  
RT: 12.56 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:202 Resp: 1153903  
Ion Ratio Lower Upper  
202 100  
200 22.5 17.6 26.4  
203 18.7 14.6 21.8

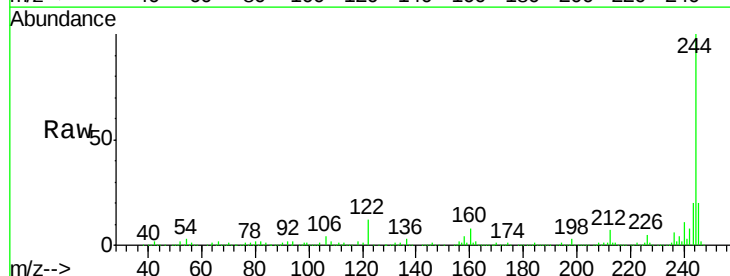


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

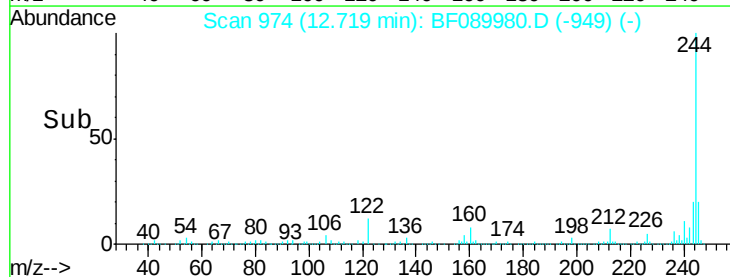
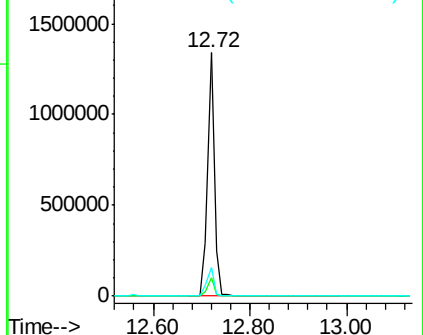


#78  
Terphenyl-d14  
Concen: 77.96 ng  
RT: 12.72 min Scan# 974  
Delta R.T. -0.01 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion:244 Resp: 1323264  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.1 9.1  
122 11.9 9.6 14.4



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E

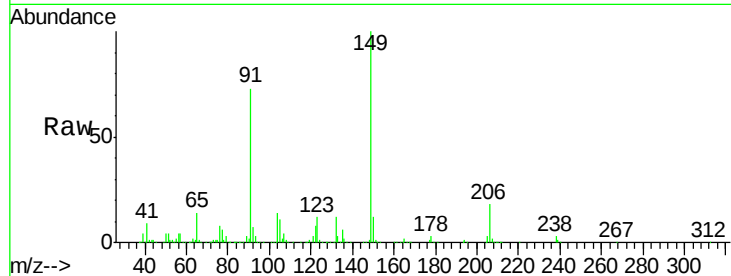




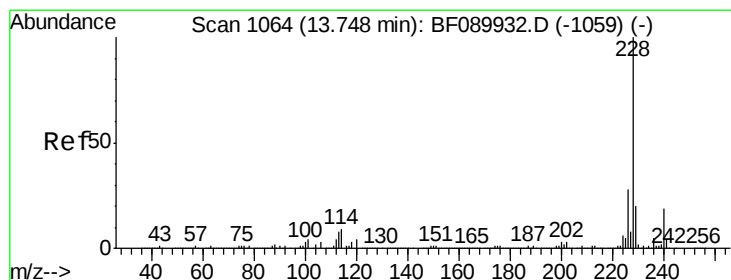
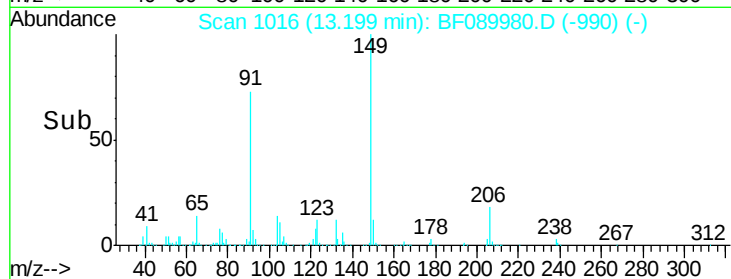
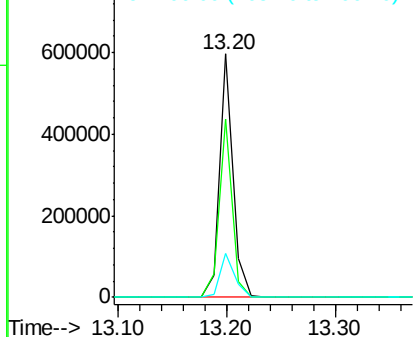
#79  
Butylbenzylphthalate  
Concen: 43.52 ng  
RT: 13.20 min Scan# 1016  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 518830  
Ion Ratio Lower Upper  
149 100  
91 73.4 60.0 90.0  
206 17.9 15.1 22.7

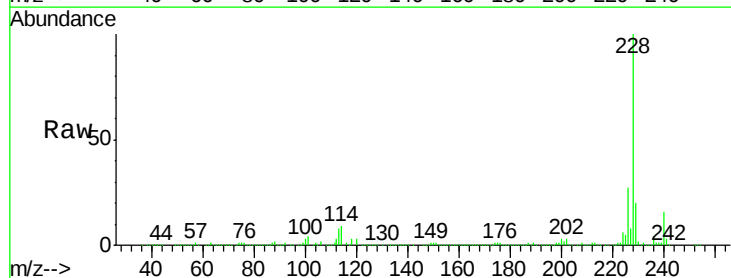


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

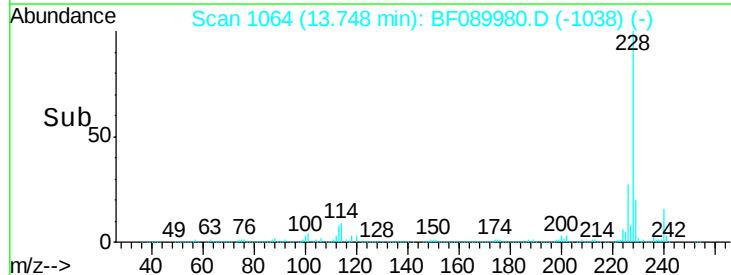
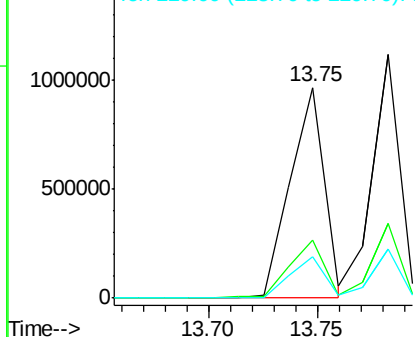


#80  
Benzo(a)anthracene  
Concen: 41.35 ng  
RT: 13.75 min Scan# 1064  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion:228 Resp: 1061885  
Ion Ratio Lower Upper  
228 100  
226 27.4 22.2 33.2  
229 19.5 15.8 23.6



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

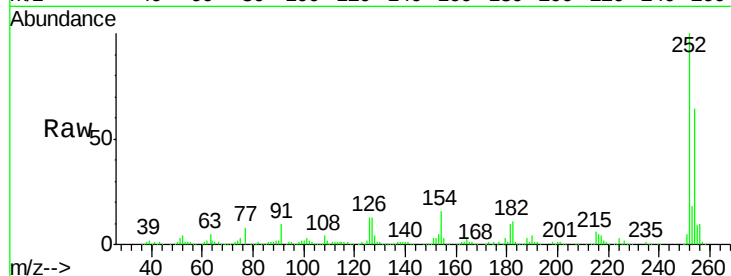




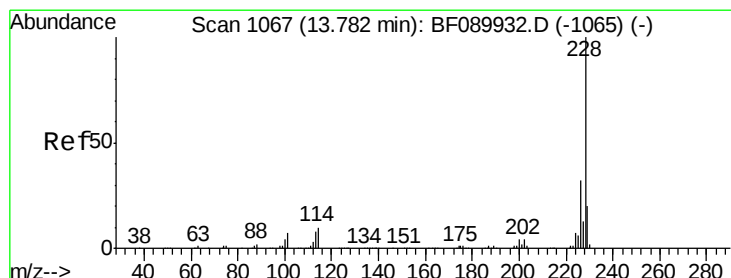
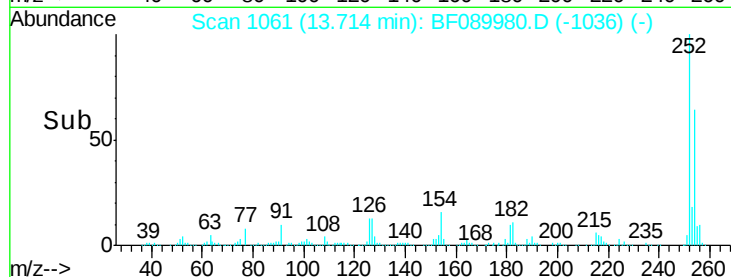
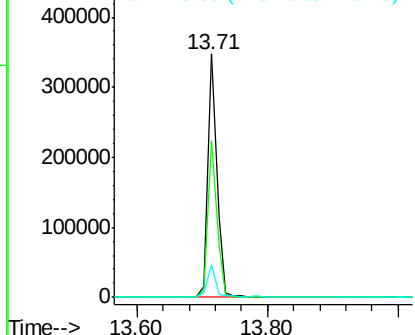
#81  
 3,3'-Dichlorobenzidine  
 Concen: 36.57 ng  
 RT: 13.71 min Scan# 1061  
 Delta R.T. -0.01 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:252 Resp: 339004  
 Ion Ratio Lower Upper  
 252 100  
 254 64.3 51.3 76.9  
 126 13.2 12.3 18.5

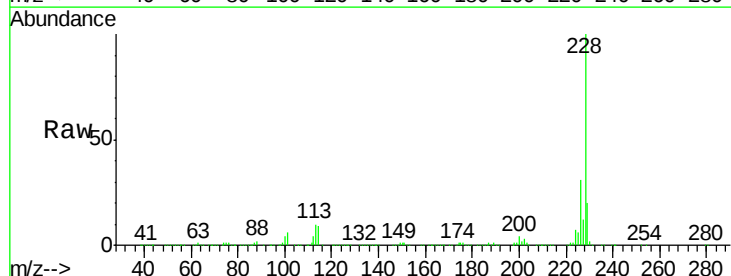


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

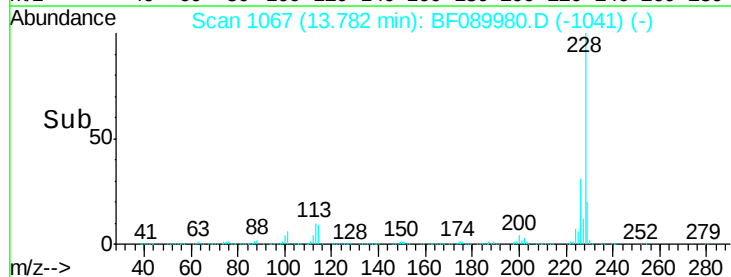
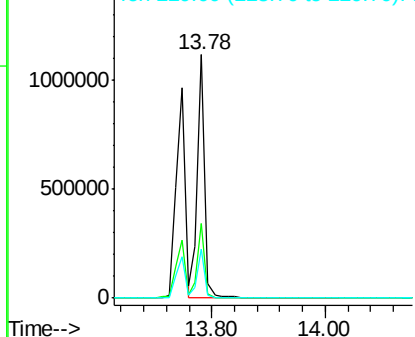


#82  
 Chrysene  
 Concen: 42.11 ng  
 RT: 13.78 min Scan# 1067  
 Delta R.T. -0.00 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Tgt Ion:228 Resp: 1010099  
 Ion Ratio Lower Upper  
 228 100  
 226 30.7 25.2 37.8  
 229 20.0 16.2 24.2



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.31 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :

BNA\_F

ClientSampleId :

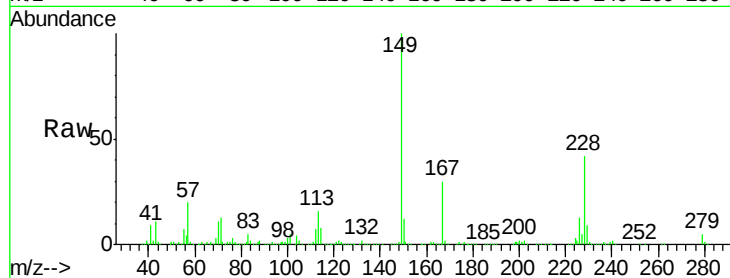
Tot Ion:149 Resp: 714131

Ion Ratio Lower Upper

149 100

167 29.6 23.6 35.4

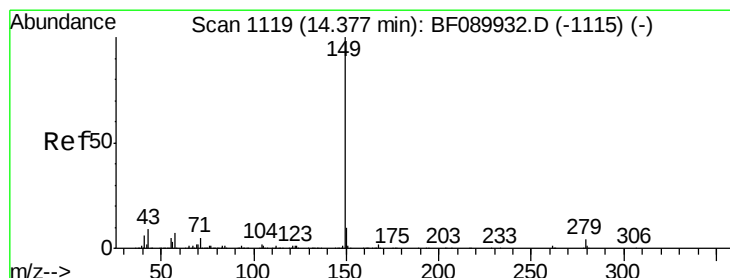
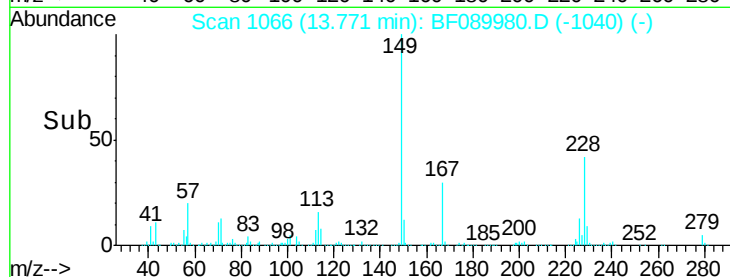
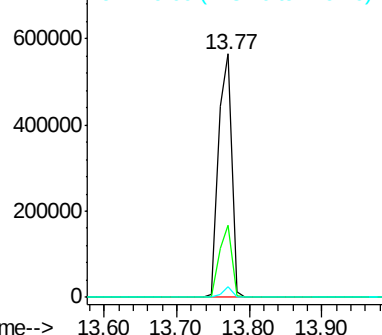
279 4.6 3.4 5.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 46.53 ng

RT: 14.38 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

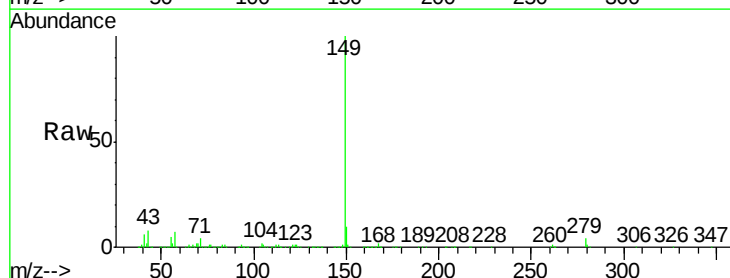
Tgt Ion:149 Resp: 1238499

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

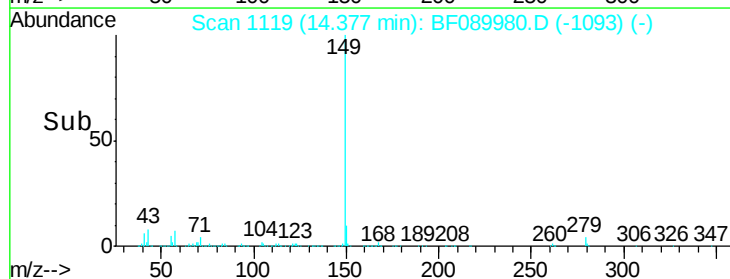
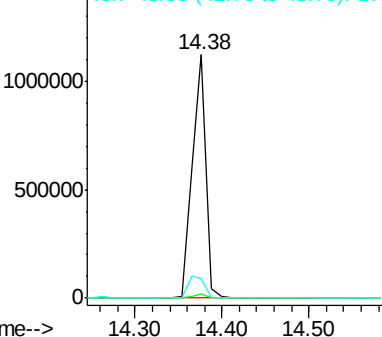
43 11.2 9.3 13.9

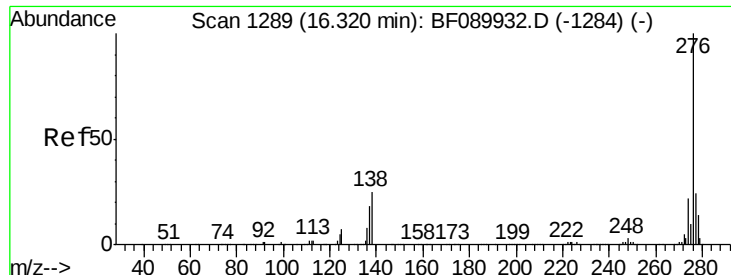


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

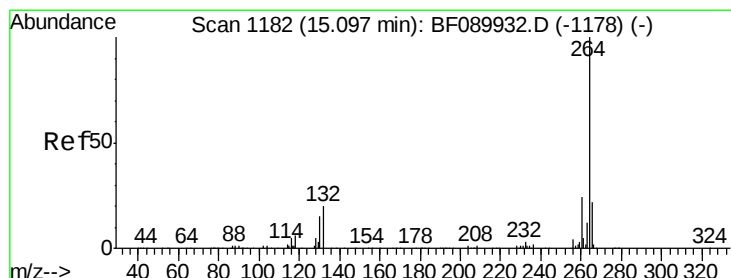
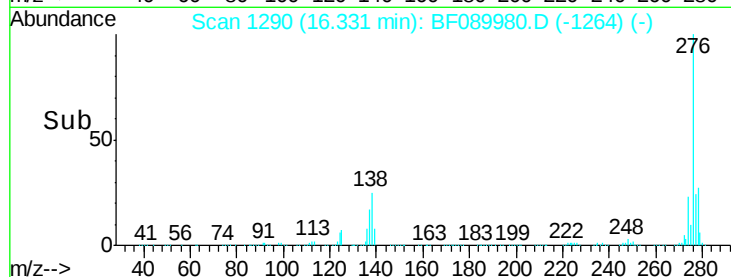
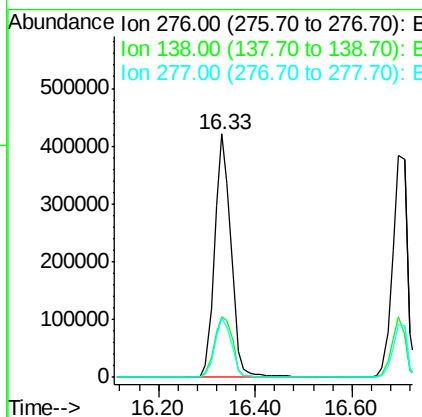
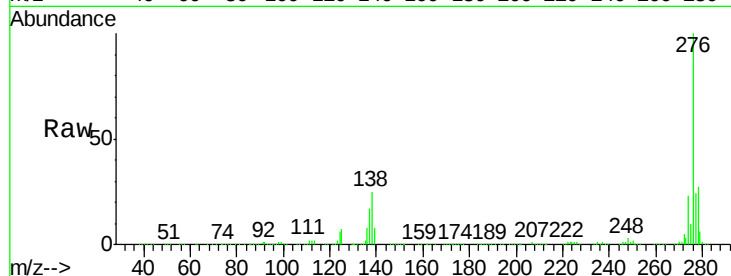




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 56.83 ng  
RT: 16.33 min Scan# 1290  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

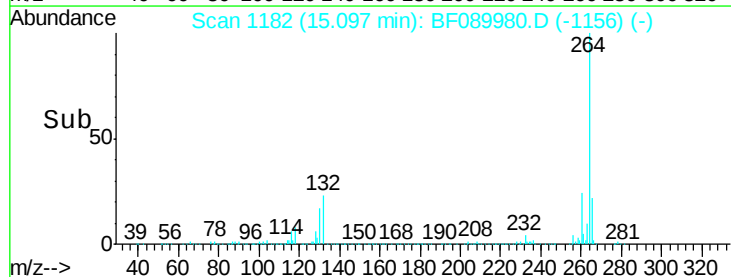
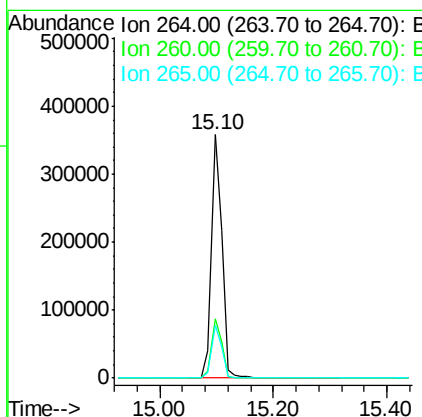
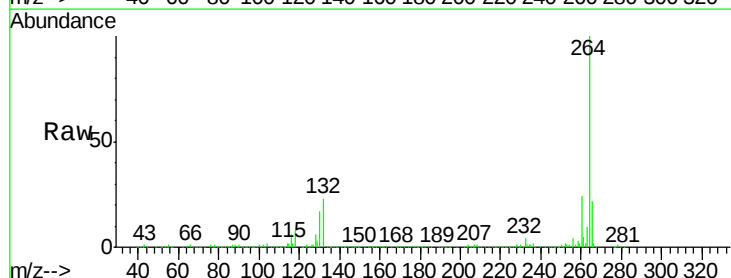
Instrument :  
BNA\_F  
ClientSampleId :

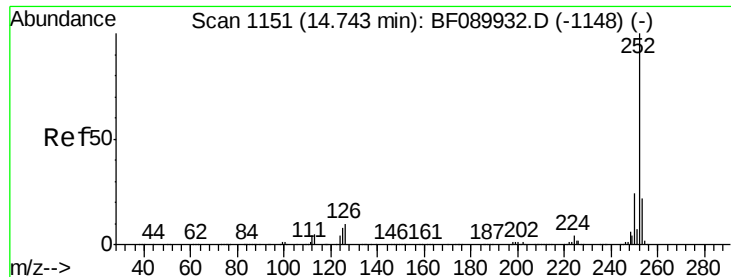
Tot Ion:276 Resp: 1007953  
Ion Ratio Lower Upper  
276 100  
138 28.6 22.6 34.0  
277 25.3 20.1 30.1



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.10 min Scan# 1182  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion:264 Resp: 441605  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.4 29.0  
265 21.8 17.4 26.2





#87

Benzo(b)fluoranthene

Concen: 73.13 ng

RT: 14.77 min Scan# 1153

Delta R.T. 0.02 min

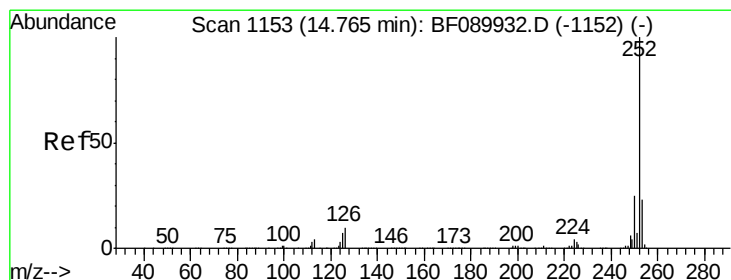
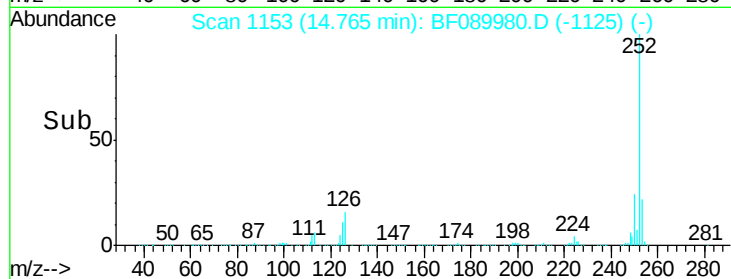
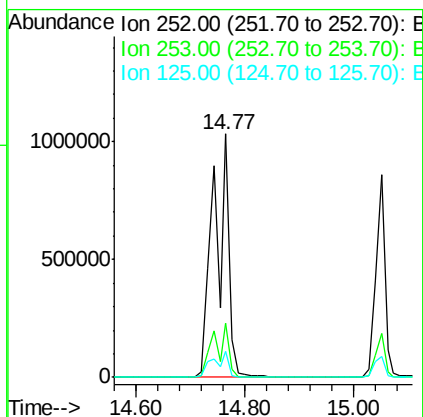
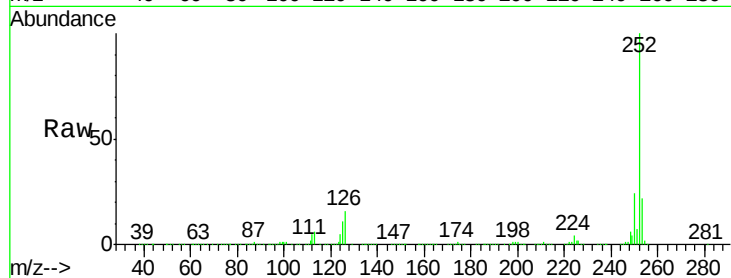
Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:252 Resp: 2023246

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.3  | 18.0  | 27.0  |
| 125 | 10.5  | 5.7   | 8.5#  |



#88

Benzo(k)fluoranthene

Concen: 86.19 ng

RT: 14.77 min Scan# 1153

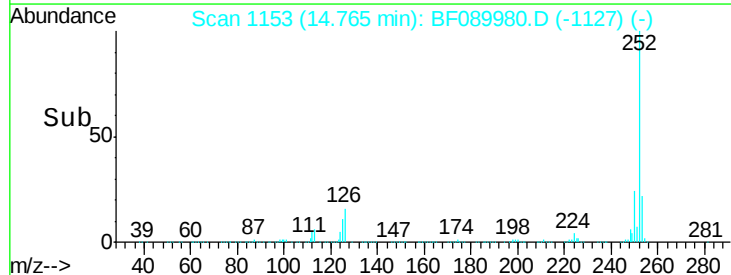
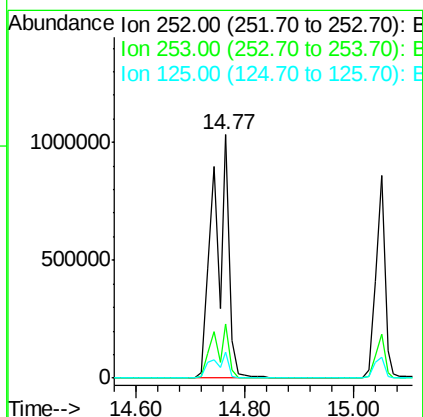
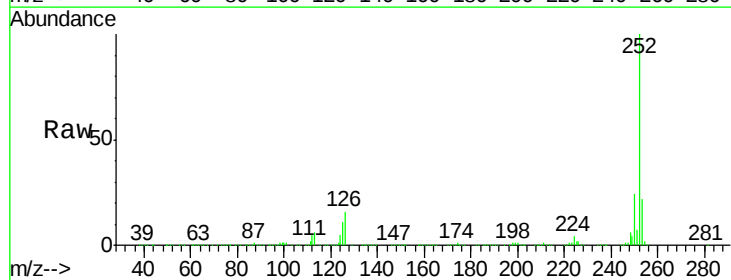
Delta R.T. -0.00 min

Lab File: BF089980.D

Acq: 2 Sep 2016 17:40

Tgt Ion:252 Resp: 2023246

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.3  | 17.8  | 26.8  |
| 125 | 10.5  | 7.3   | 10.9  |

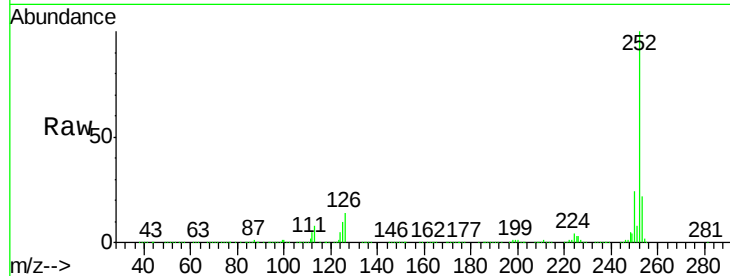




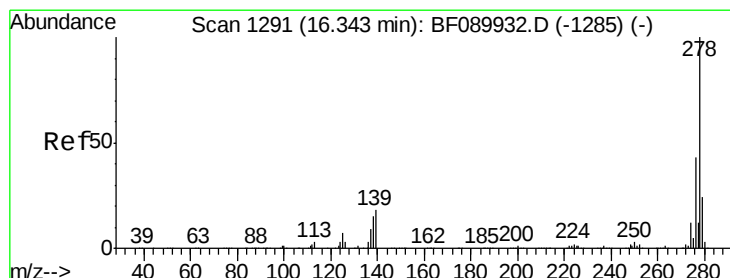
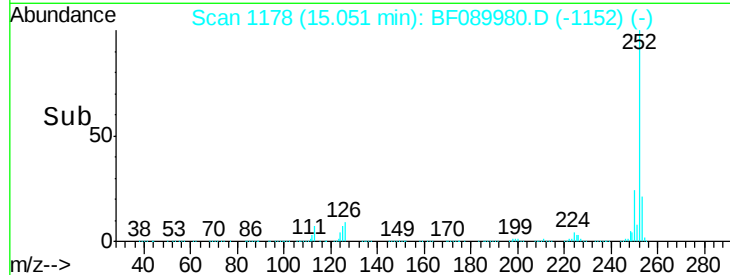
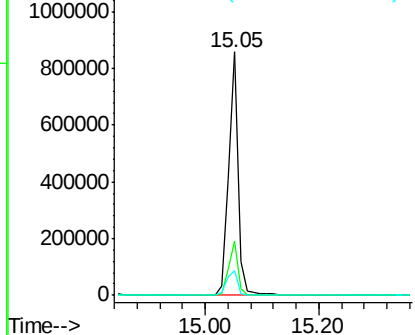
#89  
Benzo(a)pyrene  
Concen: 42.17 ng  
RT: 15.05 min Scan# 1178  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 999594  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.5 26.3  
125 10.2 6.3 9.5#

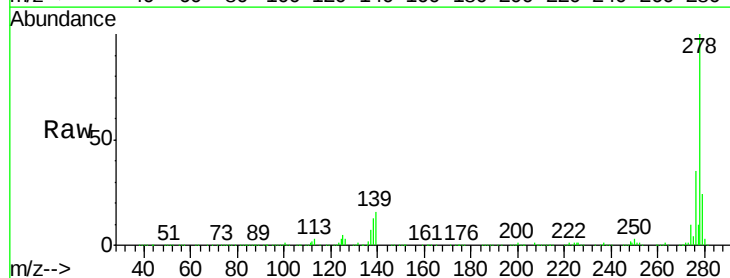


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

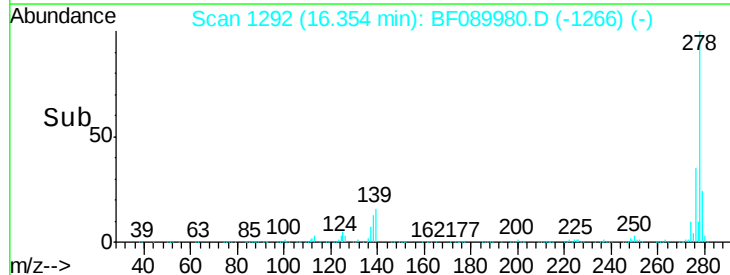
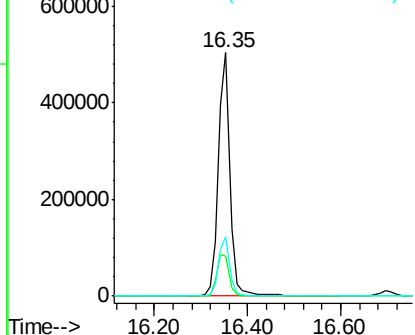


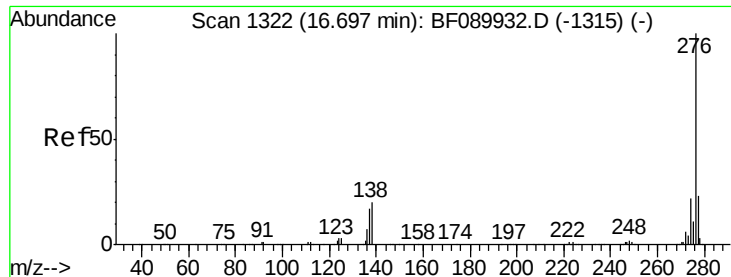
#90  
Dibenzo(a,h)anthracene  
Concen: 49.63 ng  
RT: 16.35 min Scan# 1292  
Delta R.T. -0.00 min  
Lab File: BF089980.D  
Acq: 2 Sep 2016 17:40

Tgt Ion:278 Resp: 861850  
Ion Ratio Lower Upper  
278 100  
139 16.3 13.4 20.2  
279 24.2 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E

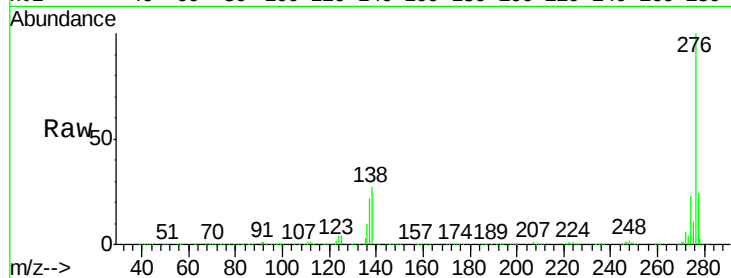




#91  
 Benzo(a,h,i)perylene  
 Concen: 46.89 ng  
 RT: 16.70 min Scan# 1322  
 Delta R.T. -0.01 min  
 Lab File: BF089980.D  
 Acq: 2 Sep 2016 17:40

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.0  | 19.0  | 28.4  |
| 138     | 27.2  | 16.4  | 24.6  |



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

