

Data File : BF093013.D  
Acq On : 17 Feb 2017 16:30  
Operator : SJ/MA  
Sample : PB97007BS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

Quant Time: Feb 17 22:13:15 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 17 17:31:55 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 160215   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.14  | 136  | 673473   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.89  | 164  | 359991   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.38 | 188  | 598021   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.02 | 240  | 489728   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.45 | 264  | 451813   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.46  | 112 | 1266111 | 135.58 | ng | 0.01 |
| 7) Phenol-d6                | 6.50  | 99  | 1597912 | 132.99 | ng | 0.01 |
| 23) Nitrobenzene-d5         | 7.42  | 82  | 956662  | 79.10  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330 | 359179  | 137.95 | ng | 0.01 |
| 44) 2-Fluorobiphenyl        | 9.22  | 172 | 1703567 | 85.73  | ng | 0.00 |
| 78) Terphenyl-d14           | 12.97 | 244 | 1623587 | 77.90  | ng | 0.00 |

|                                |      |     |         |       |    |        |
|--------------------------------|------|-----|---------|-------|----|--------|
| Target Compounds               |      |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.53 | 88  | 185892  | 36.84 | ng | # 83   |
| 3) Pyridine                    | 3.25 | 79  | 520931  | 40.60 | ng | 87     |
| 4) n-Nitrosodimethylamine      | 3.21 | 42  | 248409  | 41.23 | ng | 89     |
| 6) Aniline                     | 6.52 | 93  | 687710  | 41.96 | ng | # 57   |
| 8) 2-Chlorophenol              | 6.65 | 128 | 472073  | 45.82 | ng | 94     |
| 9) Benzaldehyde                | 6.40 | 77  | 99341   | 11.54 | ng | 87     |
| 10) Phenol                     | 6.51 | 94  | 504927  | 35.92 | ng | 83     |
| 11) bis(2-Chloroethyl)ether    | 6.60 | 93  | 485665  | 43.28 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 6.88 | 146 | 530614  | 43.97 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.88 | 146 | 530614  | 43.45 | ng | 94     |
| 14) 1,2-Dichlorobenzene        | 7.02 | 146 | 453710  | 38.85 | ng | 99     |
| 15) Benzyl Alcohol             | 7.00 | 79  | 374343  | 42.08 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45  | 788910  | 40.47 | ng | 93     |
| 17) 2-Methylphenol             | 7.13 | 107 | 411499  | 46.56 | ng | 97     |
| 18) Hexachloroethane           | 7.37 | 117 | 175952  | 42.20 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70  | 318106  | 41.59 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.28 | 107 | 452757  | 42.84 | ng | 94     |
| 22) Acetophenone               | 7.28 | 105 | 607166  | 39.49 | ng | # 89   |
| 24) Nitrobenzene               | 7.45 | 77  | 553795  | 44.59 | ng | # 90   |
| 25) Isophorone                 | 7.69 | 82  | 951613  | 42.23 | ng | 99     |
| 26) 2-Nitrophenol              | 7.76 | 139 | 260633  | 44.15 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 7.80 | 122 | 427717  | 41.26 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93  | 582231  | 39.01 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.01 | 162 | 439451  | 45.45 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.09 | 180 | 435799  | 41.83 | ng | 97     |
| 31) Naphthalene                | 8.17 | 128 | 1380742 | 40.44 | ng | 99     |
| 32) Benzoic acid               | 7.94 | 122 | 244081  | 42.52 | ng | 97     |
| 33) 4-Chloroaniline            | 8.21 | 127 | 520401  | 38.87 | ng | 94     |
| 34) Hexachlorobutadiene        | 8.28 | 225 | 226377  | 39.49 | ng | 99     |
| 35) Caprolactam                | 8.59 | 113 | 135870  | 44.67 | ng | # 29   |
| 36) 4-Chloro-3-methylphenol    | 8.70 | 107 | 422011  | 41.86 | ng | 100    |
| 37) 2-Methylnaphthalene        | 8.85 | 142 | 887289  | 40.48 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 421318  | 41.69 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.00 | 237 | 343398  | 75.32 | ng | 94     |

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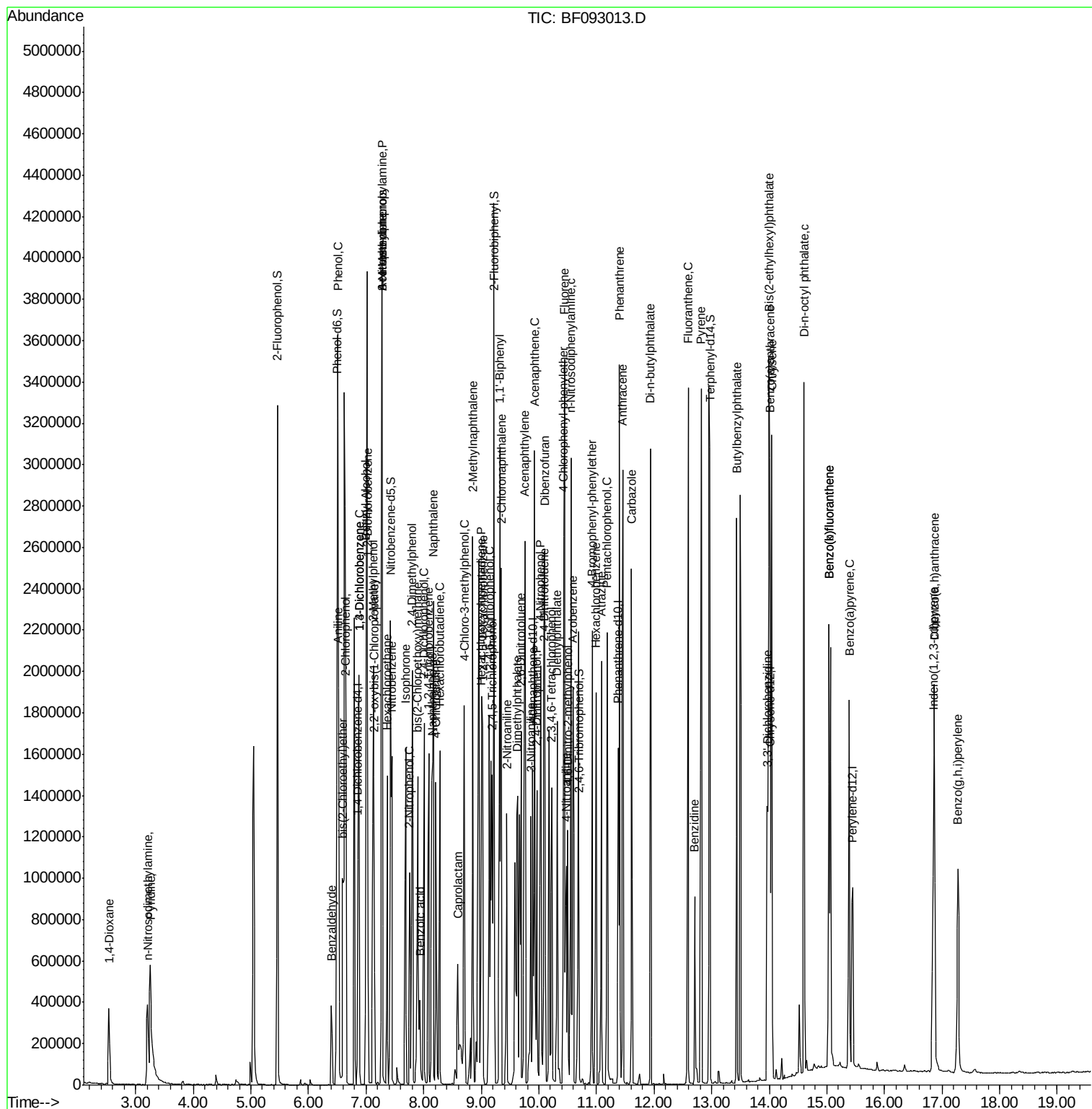
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.14  | 196  | 302019   | 45.48 | ng    | 95       |
| 43) 2,4,5-Trichlorophenol      | 9.18  | 196  | 285844   | 39.29 | ng    | # 87     |
| 45) 1,1'-Biphenyl              | 9.32  | 154  | 1129517  | 43.33 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.34  | 162  | 866843   | 42.51 | ng    | 99       |
| 47) 2-Nitroaniline             | 9.45  | 65   | 307713   | 44.88 | ng    | # 75     |
| 48) Acenaphthylene             | 9.76  | 152  | 1342751  | 38.12 | ng    | 99       |
| 49) Dimethylphthalate          | 9.63  | 163  | 1081428  | 44.60 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.69  | 165  | 243635   | 46.53 | ng    | 93       |
| 51) Acenaphthene               | 9.93  | 154  | 894441   | 42.47 | ng    | 98       |
| 52) 3-Nitroaniline             | 9.86  | 138  | 261586   | 43.65 | ng    | 86       |
| 53) 2,4-Dinitrophenol          | 9.96  | 184  | 203055   | 76.45 | ng    | # 60     |
| 54) Dibenzofuran               | 10.10 | 168  | 1123880  | 39.90 | ng    | 98       |
| 55) 4-Nitrophenol              | 10.03 | 139  | 353911   | 82.00 | ng    | 91       |
| 56) 2,4-Dinitrotoluene         | 10.09 | 165  | 276455   | 39.65 | ng    | 95       |
| 57) Fluorene                   | 10.44 | 166  | 868135   | 40.06 | ng    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.22 | 232  | 231101   | 47.62 | ng    | 98       |
| 59) Diethylphthalate           | 10.32 | 149  | 1002310  | 43.86 | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 10.43 | 204  | 392034   | 37.65 | ng    | 94       |
| 61) 4-Nitroaniline             | 10.48 | 138  | 277676   | 45.24 | ng    | 84       |
| 62) Azobenzene                 | 10.59 | 77   | 1073060  | 45.45 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198  | 160813   | 44.39 | ng    | # 66     |
| 65) n-Nitrosodiphenylamine     | 10.56 | 169  | 775781   | 40.61 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.92 | 248  | 247139   | 39.56 | ng    | 99       |
| 67) Hexachlorobenzene          | 10.99 | 284  | 254171   | 41.17 | ng    | # 91     |
| 68) Atrazine                   | 11.08 | 200  | 230280   | 37.56 | ng    | 99       |
| 69) Pentachlorophenol          | 11.18 | 266  | 268976   | 84.00 | ng    | 97       |
| 70) Phenanthrene               | 11.40 | 178  | 1278339  | 37.31 | ng    | 99       |
| 71) Anthracene                 | 11.46 | 178  | 1507828  | 43.82 | ng    | 99       |
| 72) Carbazole                  | 11.61 | 167  | 1176823  | 35.78 | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.94 | 149  | 1515394  | 42.60 | ng    | # 98     |
| 74) Fluoranthene               | 12.59 | 202  | 1444727  | 40.88 | ng    | 96       |
| 76) Benzidine                  | 12.70 | 184  | 471152   | 22.58 | ng    | 97       |
| 77) Pyrene                     | 12.82 | 202  | 1469111  | 40.09 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.44 | 149  | 712690   | 47.89 | ng    | # 83     |
| 80) Benzo(a)anthracene         | 14.01 | 228  | 1159577  | 38.71 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.97 | 252  | 430665   | 40.34 | ng    | # 95     |
| 82) Chrysene                   | 14.04 | 228  | 1070040  | 38.16 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149  | 890824   | 43.77 | ng    | # 94     |
| 84) Di-n-octyl phthalate       | 14.60 | 149  | 1550223  | 46.77 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.85 | 276  | 989291   | 45.54 | ng    | # 94     |
| 87) Benzo(b)fluoranthene       | 15.04 | 252  | 1171451  | 39.39 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 15.04 | 252  | 1171451  | 45.62 | ng    | 98       |
| 89) Benzo(a)pyrene             | 15.39 | 252  | 1077083  | 41.87 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.87 | 278  | 821054   | 39.49 | ng    | 95       |
| 91) Benzo(g,h,i)perylene       | 17.28 | 276  | 825787   | 39.32 | ng    | # 90     |

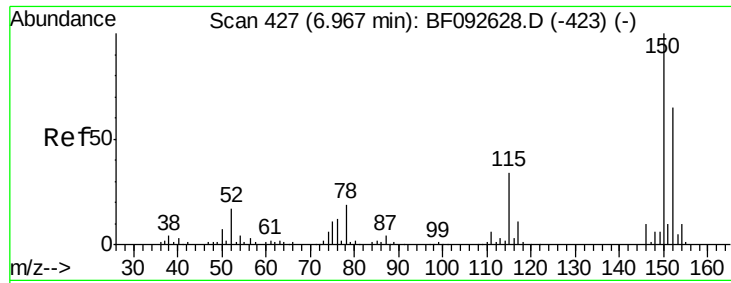
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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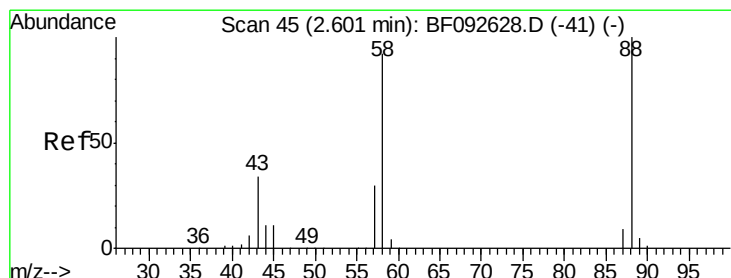
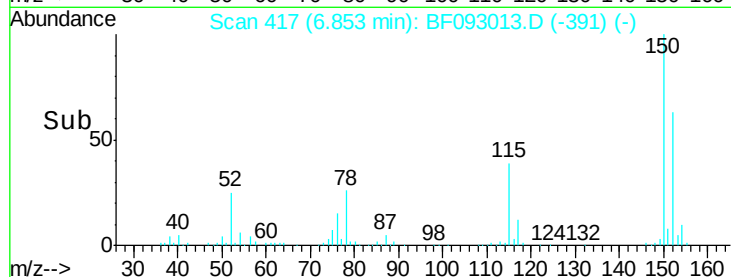
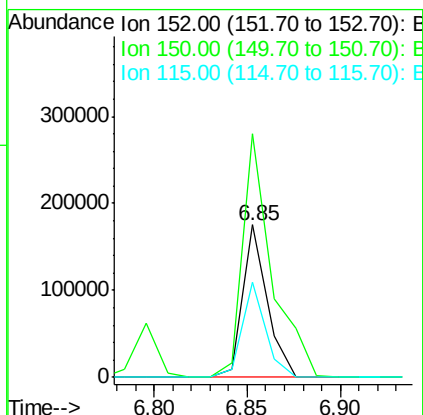
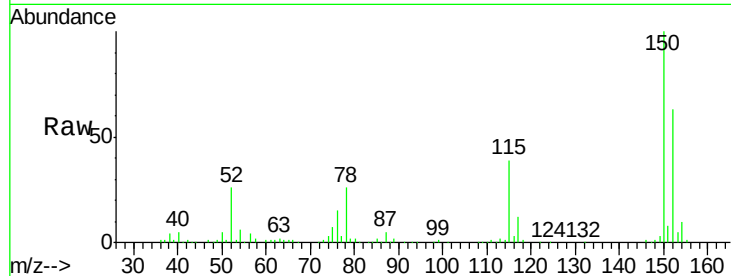




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.85 min Scan# 417  
 Delta R.T. -0.00 min  
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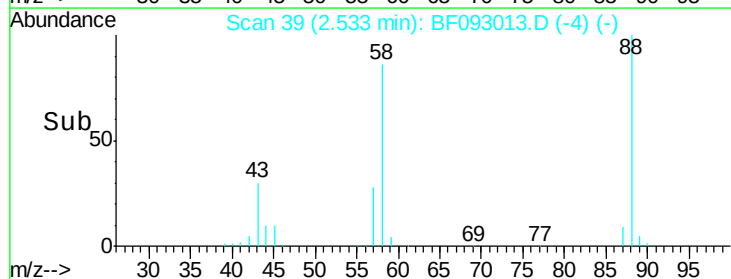
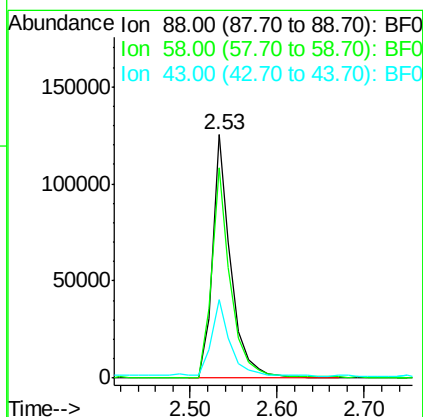
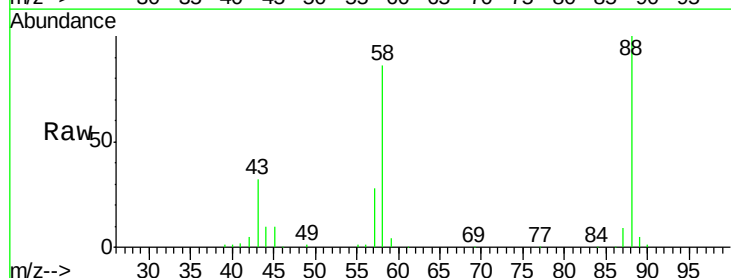
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97007BS

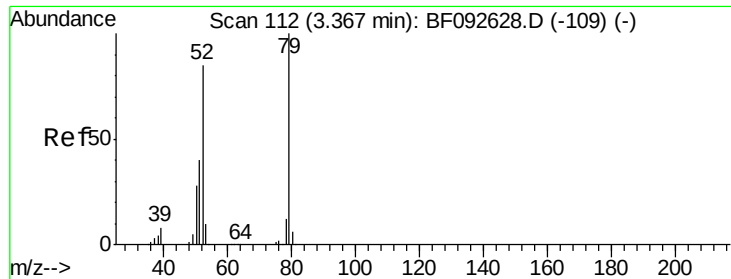
Tgt Ion:152 Resp: 160215  
 Ion Ratio Lower Upper  
 152 100  
 150 159.5 124.9 187.3  
 115 61.9 46.0 69.0



#2  
 1,4-Dioxane  
 Concen: 36.84 ng  
 RT: 2.53 min Scan# 39  
 Delta R.T. 0.10 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Tgt Ion: 88 Resp: 185892  
 Ion Ratio Lower Upper  
 88 100  
 58 89.7 57.8 86.8#  
 43 32.0 22.3 33.5





#3

Pyridine

Concen: 40.60 ng

RT: 3.25 min Scan# 102

Delta R.T. 0.10 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS

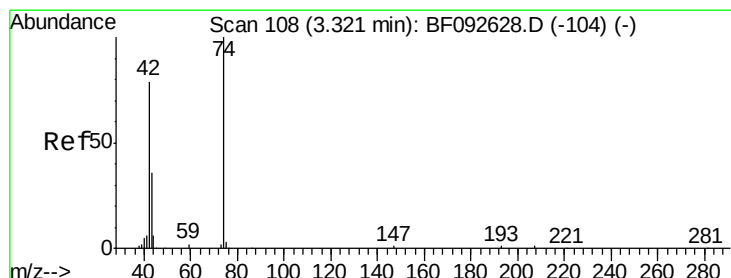
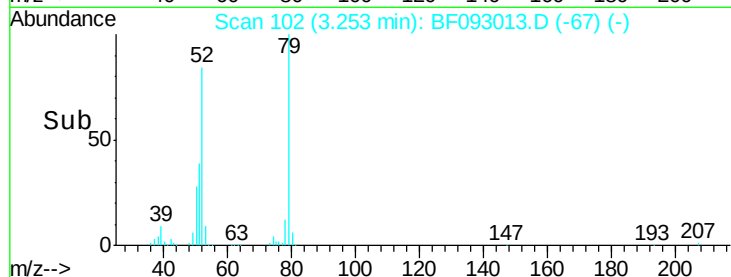
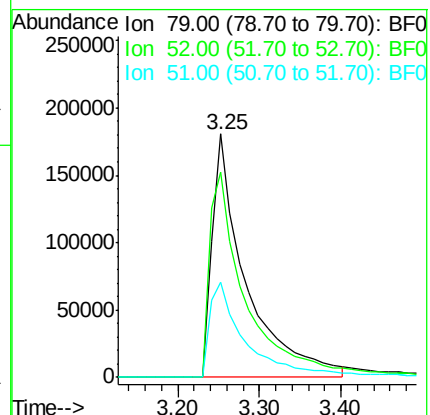
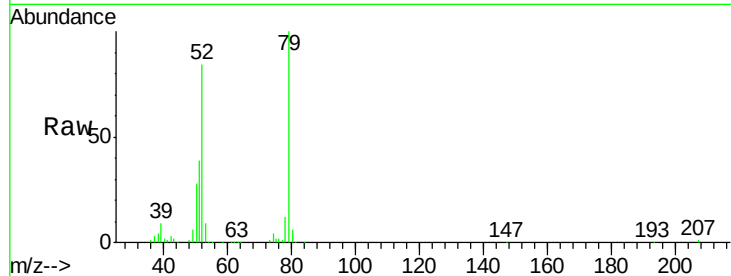
Tgt Ion: 79 Resp: 520931

Ion Ratio Lower Upper

79 100

52 84.1 57.1 85.7

51 39.0 27.3 40.9



#4

n-Nitrosodimethylamine

Concen: 41.23 ng

RT: 3.21 min Scan# 98

Delta R.T. 0.10 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

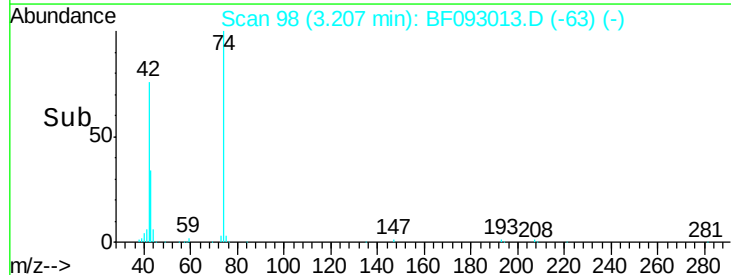
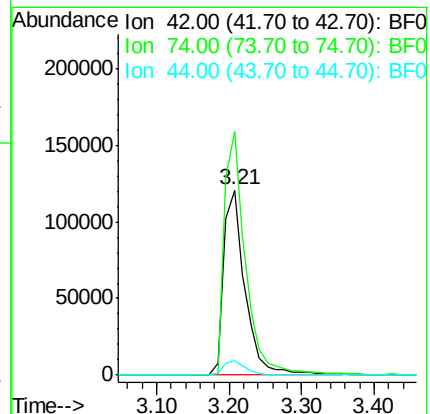
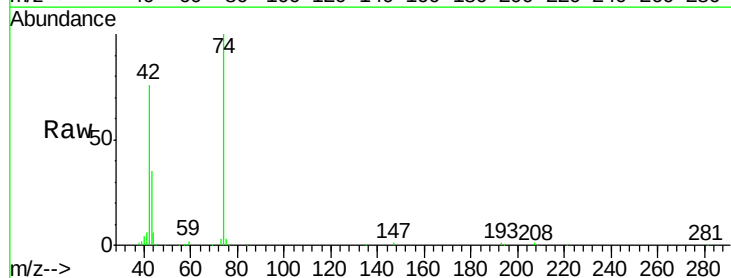
Tgt Ion: 42 Resp: 248409

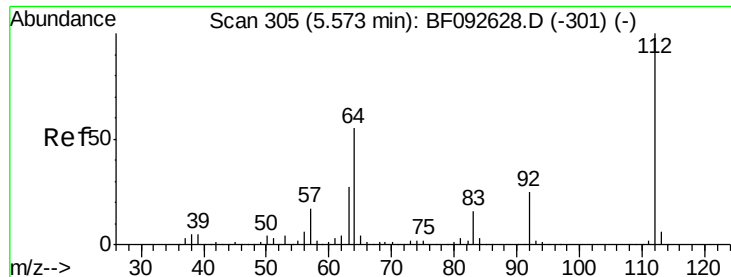
Ion Ratio Lower Upper

42 100

74 131.4 117.0 175.4

44 7.7 5.5 8.3





#5

2-Fluorophenol

Concen: 135.58 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS

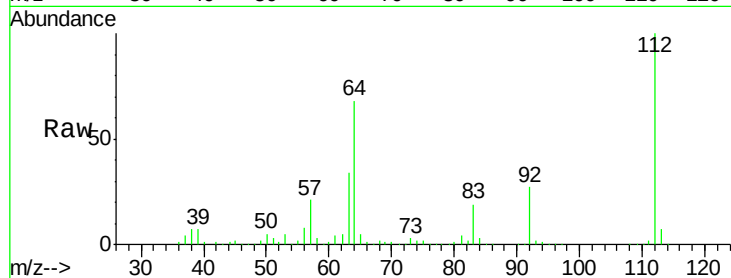
Tgt Ion: 112 Resp: 1266111

Ion Ratio Lower Upper

112 100

64 68.4 46.1 69.1

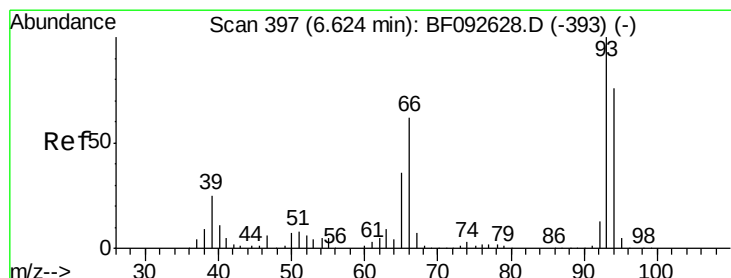
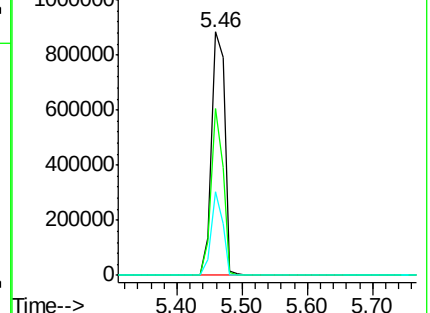
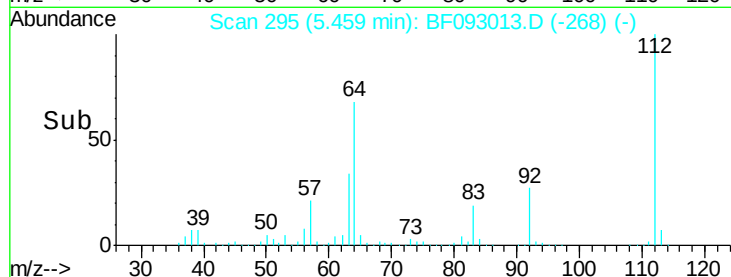
63 34.1 23.8 35.6



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: 41.96 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

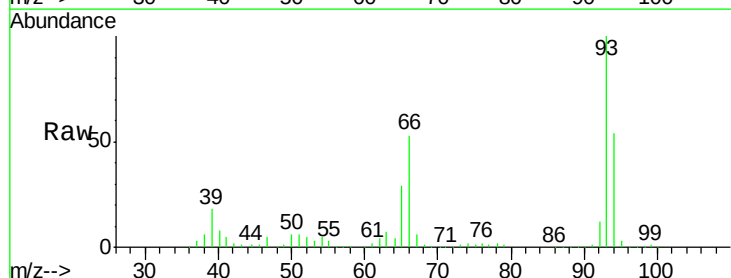
Tgt Ion: 93 Resp: 687710

Ion Ratio Lower Upper

93 100

66 52.7 76.2 114.2#

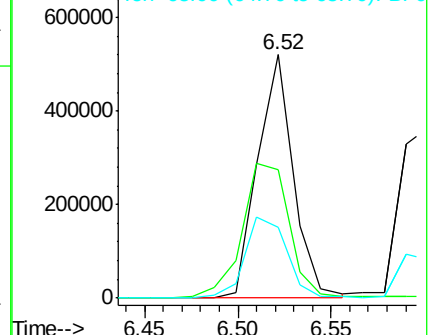
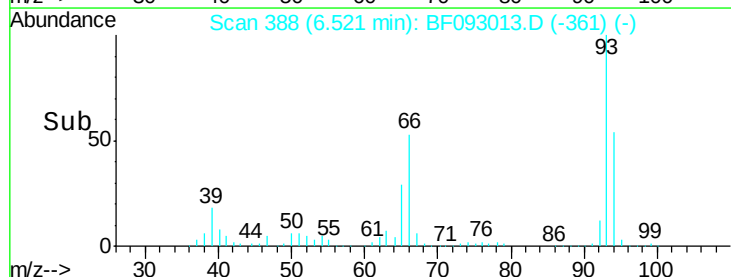
65 29.0 49.3 73.9#

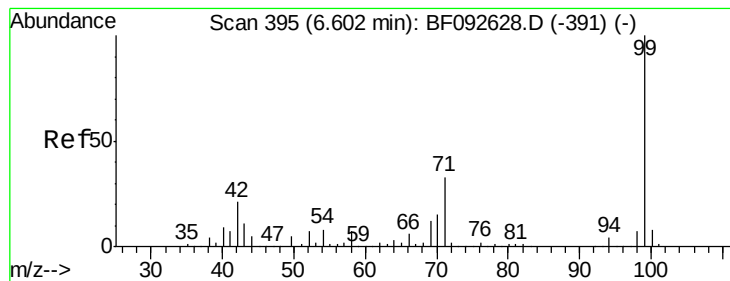


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 132.99 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.01 min

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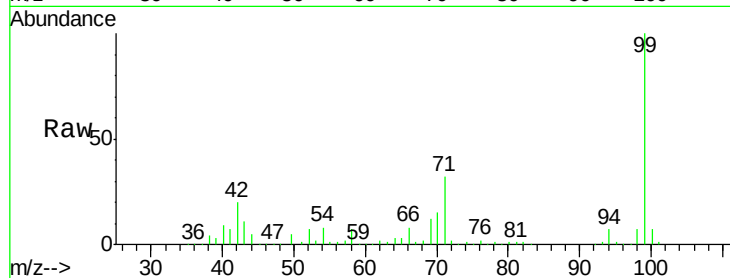
Tgt Ion: 99 Resp: 1597912

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

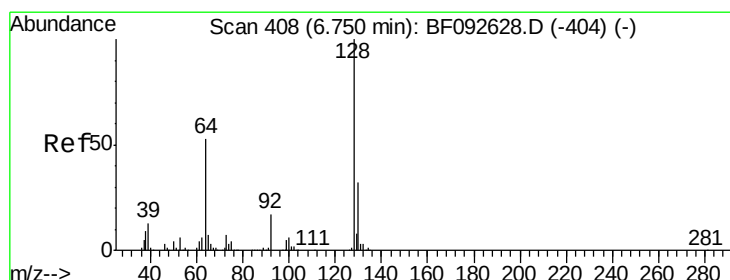
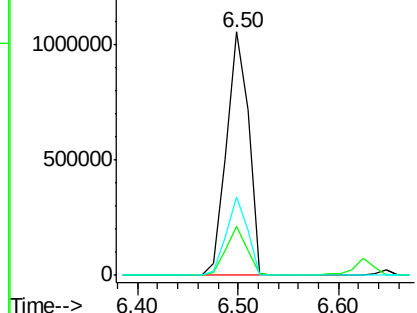
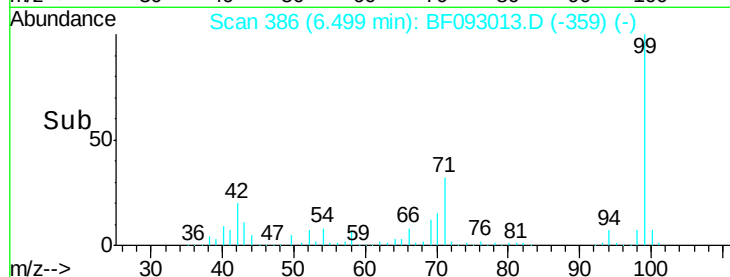
71 32.3 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 45.82 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

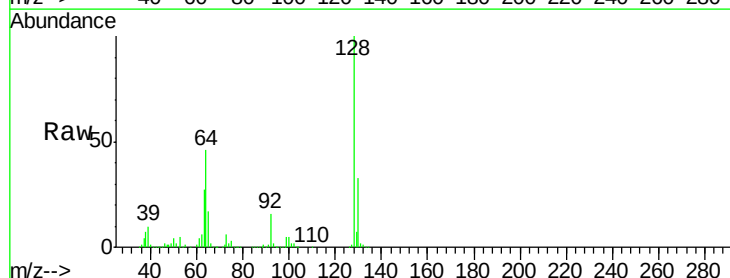
Tgt Ion: 128 Resp: 472073

Ion Ratio Lower Upper

128 100

130 33.2 12.3 52.3

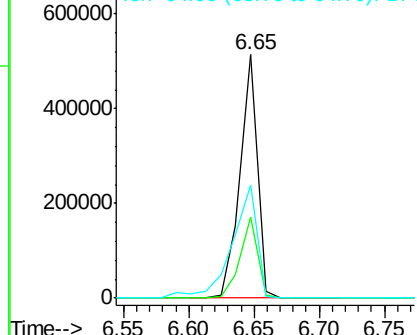
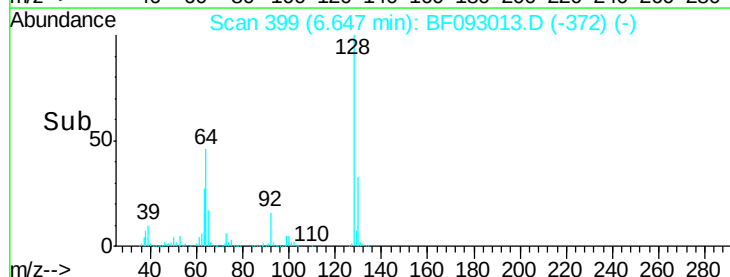
64 46.5 32.2 72.2



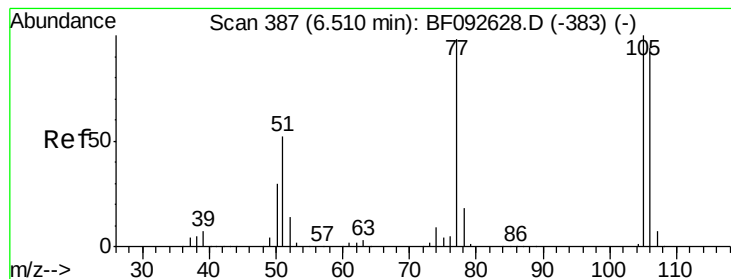
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0







#9

Benzaldehyde

Concen: 11.54 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampled :

PB97007BS

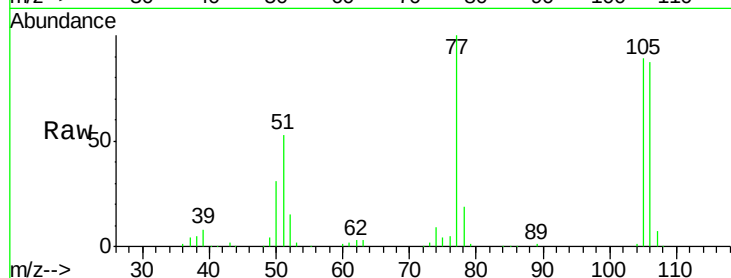
Tgt Ion: 77 Resp: 99341

Ion Ratio Lower Upper

77 100

105 88.8 83.9 123.9

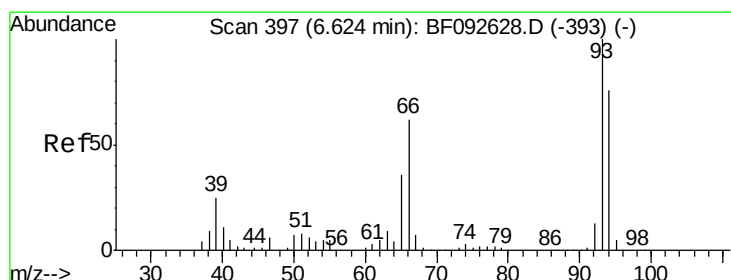
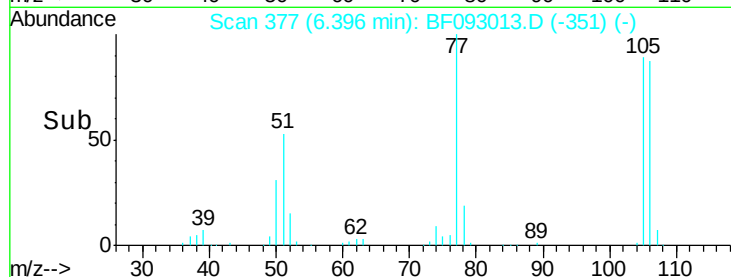
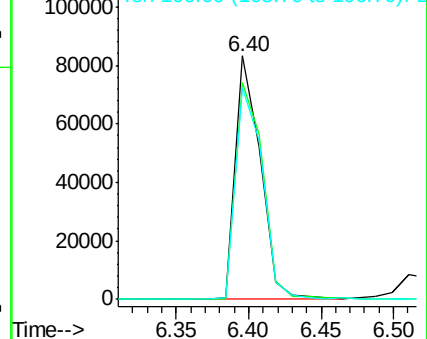
106 87.1 77.6 117.6



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: 35.92 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

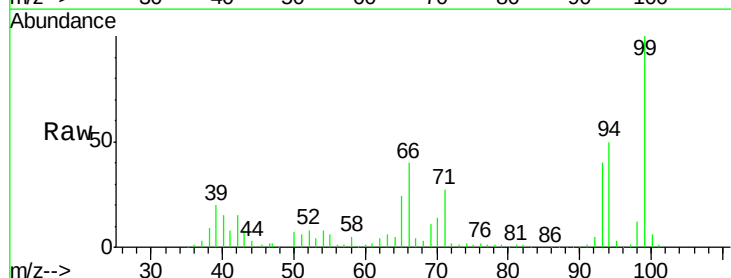
Tgt Ion: 94 Resp: 504927

Ion Ratio Lower Upper

94 100

65 48.1 21.4 61.4

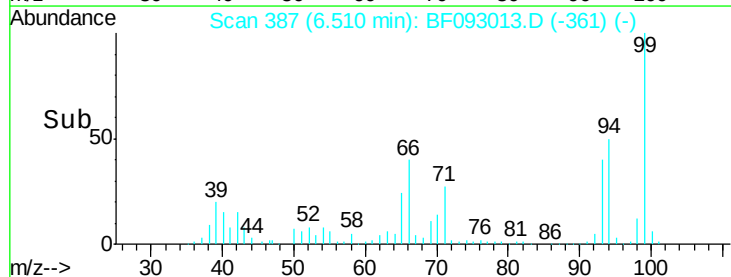
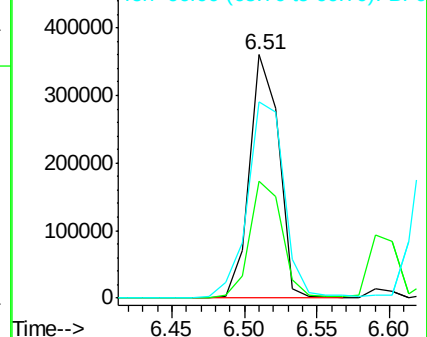
66 80.4 44.0 84.0



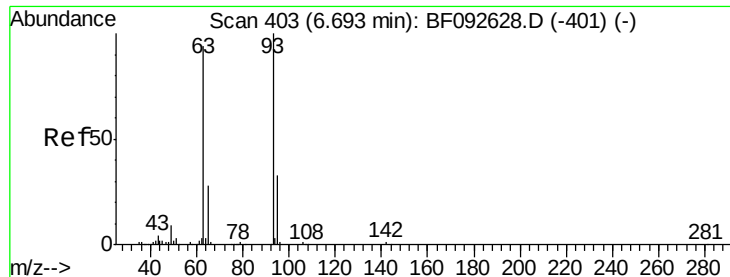
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



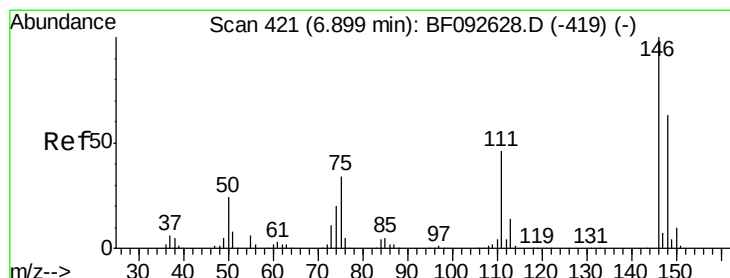
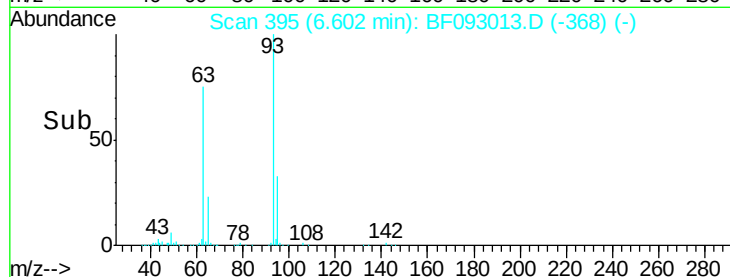
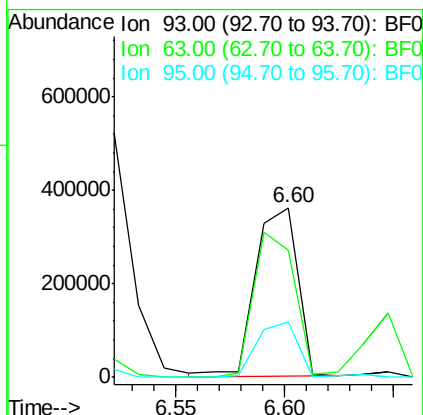
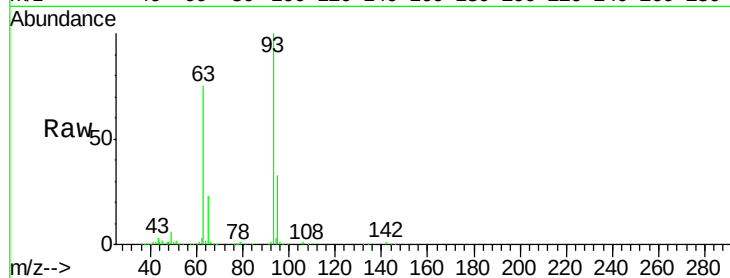




#11  
bis(2-Chloroethyl)ether  
Concen: 43.28 ng  
RT: 6.60 min Scan# 395  
Delta R.T. 0.01 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

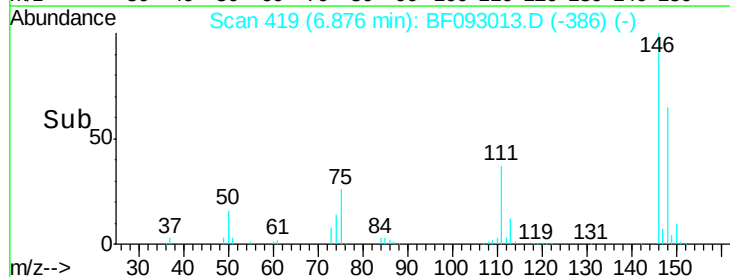
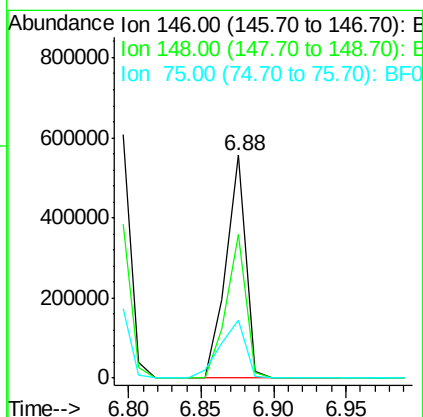
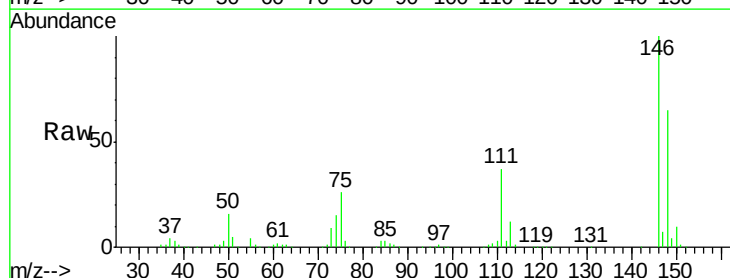
Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

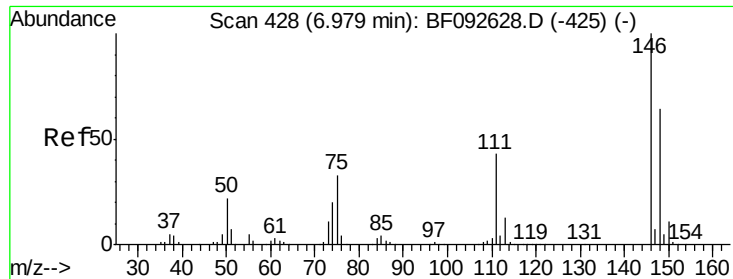
Tgt Ion: 93 Resp: 485665  
Ion Ratio Lower Upper  
93 100  
63 74.9 60.4 100.4  
95 32.5 12.8 52.8



#12  
1,3-Dichlorobenzene  
Concen: 43.97 ng  
RT: 6.88 min Scan# 419  
Delta R.T. 0.08 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Tgt Ion: 146 Resp: 530614  
Ion Ratio Lower Upper  
146 100  
148 64.6 53.4 80.0  
75 25.9 18.5 27.7

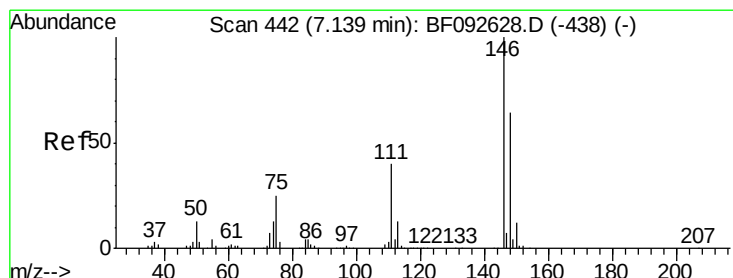
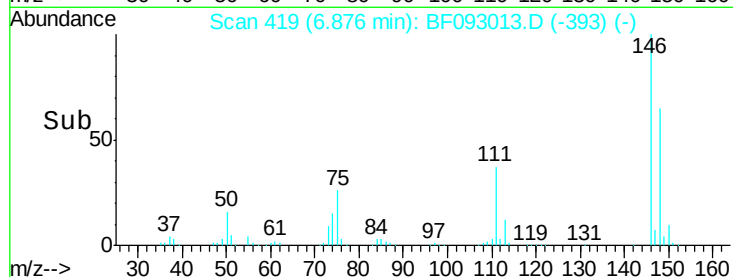
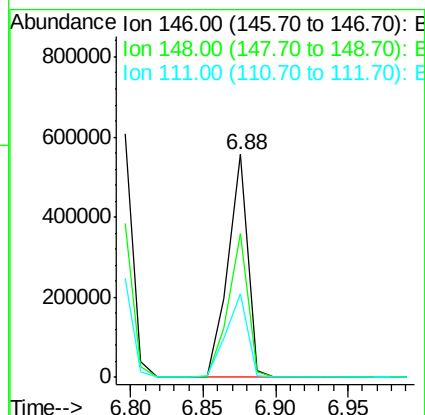
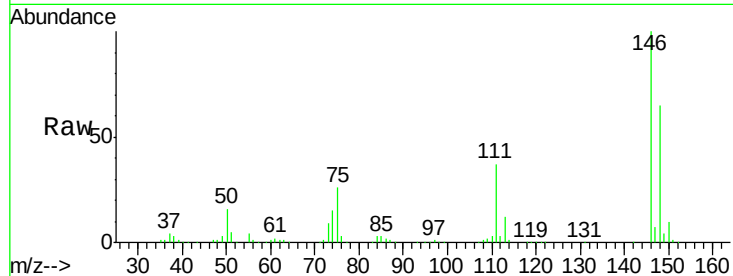




#13  
 1,4-Dichlorobenzene  
 Concen: 43.45 ng  
 RT: 6.88 min Scan# 419  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

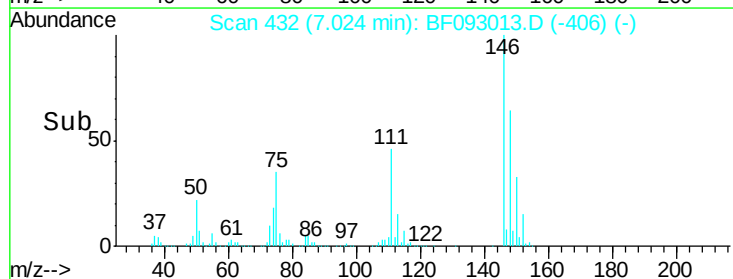
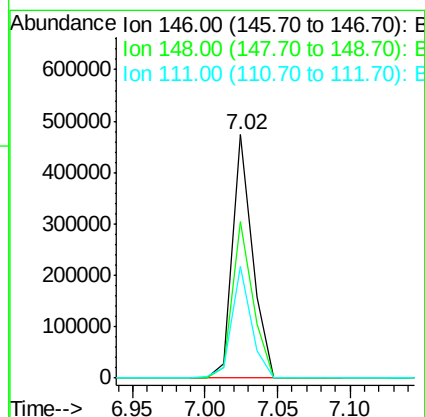
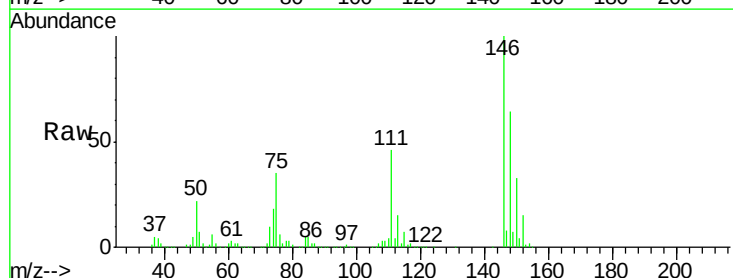
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97007BS

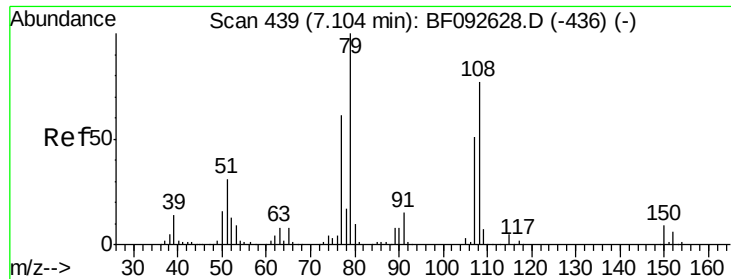
Tgt Ion:146 Resp: 530614  
 Ion Ratio Lower Upper  
 146 100  
 148 64.6 50.6 76.0  
 111 37.4 36.2 54.4



#14  
 1,2-Dichlorobenzene  
 Concen: 38.85 ng  
 RT: 7.02 min Scan# 432  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Tgt Ion:146 Resp: 453710  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 52.2 78.2  
 111 45.7 36.2 54.2

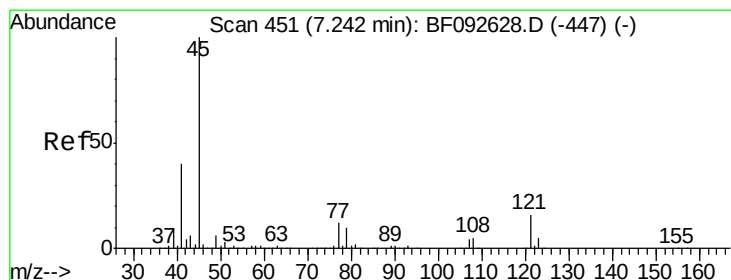
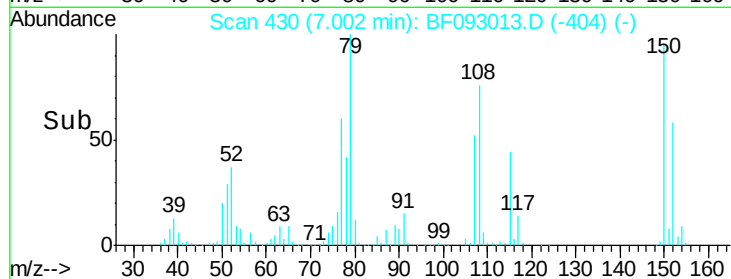
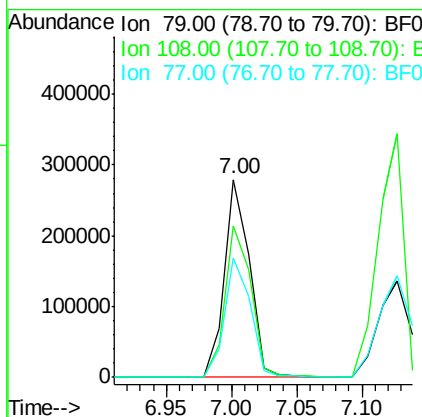
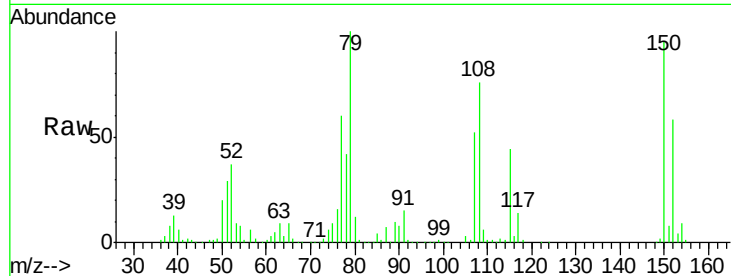




#15  
Benzyl Alcohol  
Concen: 42.08 ng  
RT: 7.00 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

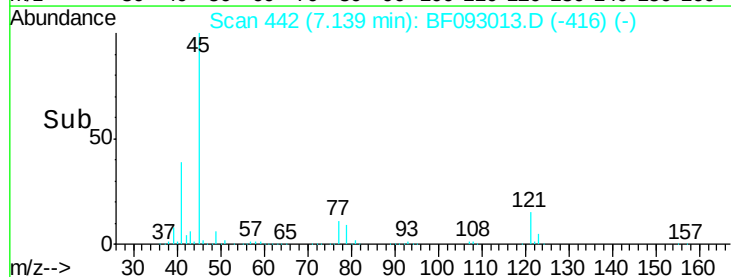
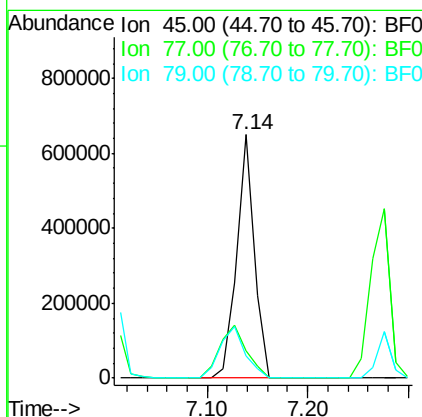
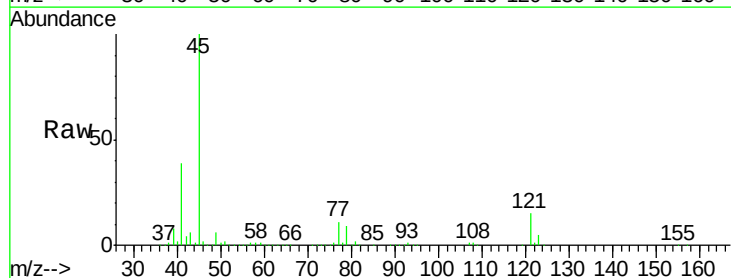
Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

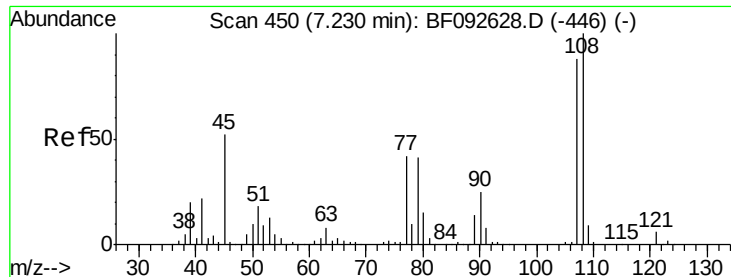
Tgt Ion: 79 Resp: 374343  
Ion Ratio Lower Upper  
79 100  
108 76.4 61.4 92.0  
77 60.4 50.9 76.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.47 ng  
RT: 7.14 min Scan# 442  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Tgt Ion: 45 Resp: 788910  
Ion Ratio Lower Upper  
45 100  
77 11.3 0.0 34.6  
79 9.1 0.0 31.2

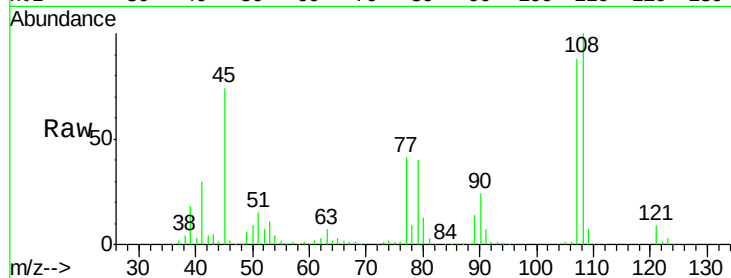




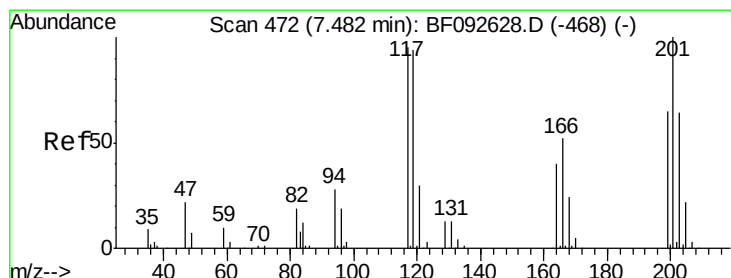
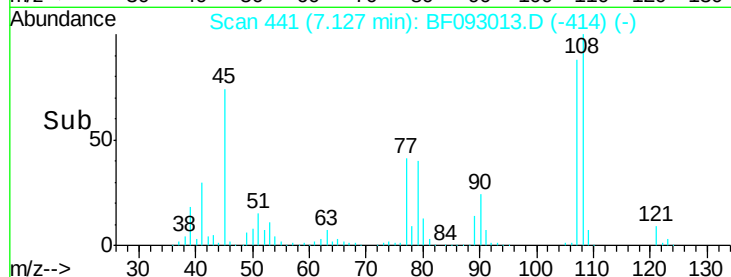
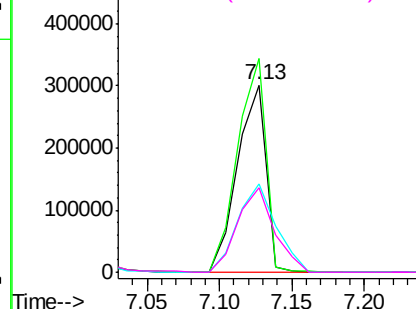
#17  
2-Methylphenol  
Concen: 46.56 ng  
RT: 7.13 min Scan# 441  
Delta R.T. 0.01 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

Tgt Ion:107 Resp: 411499  
Ion Ratio Lower Upper  
107 100  
108 114.1 93.0 139.6  
77 47.3 39.8 59.8  
79 45.2 38.0 57.0

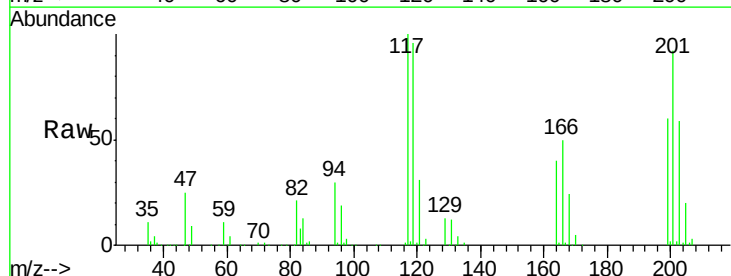


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

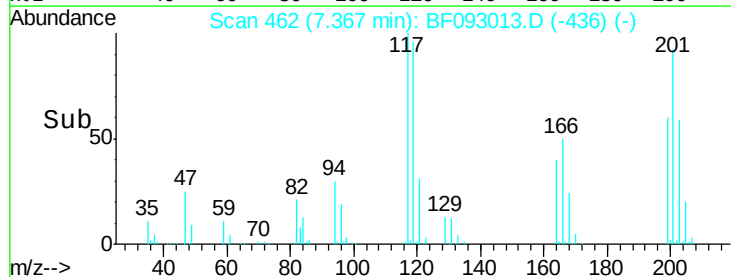
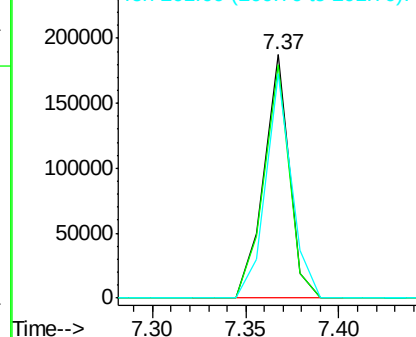


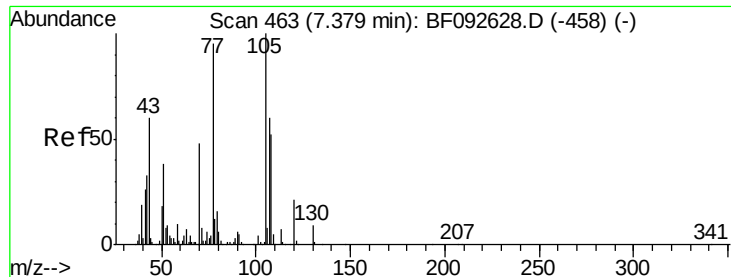
#18  
Hexachloroethane  
Concen: 42.20 ng  
RT: 7.37 min Scan# 462  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Tgt Ion:117 Resp: 175952  
Ion Ratio Lower Upper  
117 100  
119 95.8 78.1 117.1  
201 92.3 78.6 117.8



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

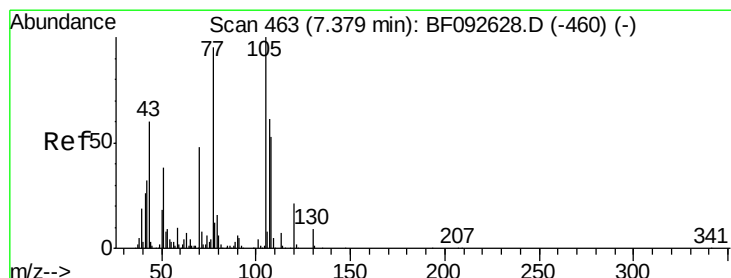
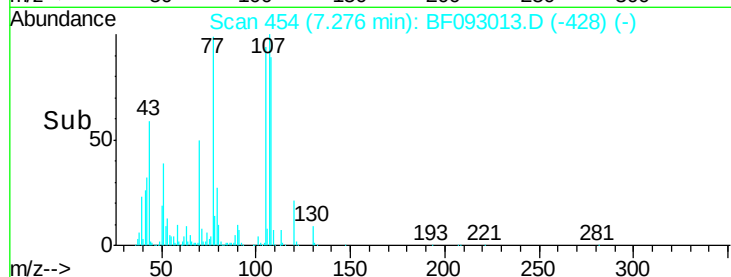
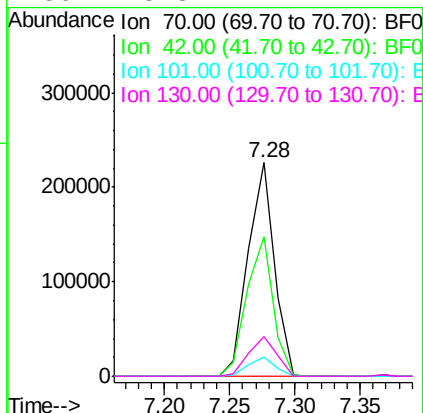
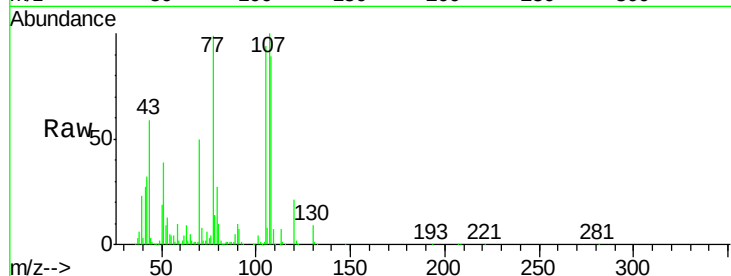




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.59 ng  
RT: 7.28 min Scan# 454  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

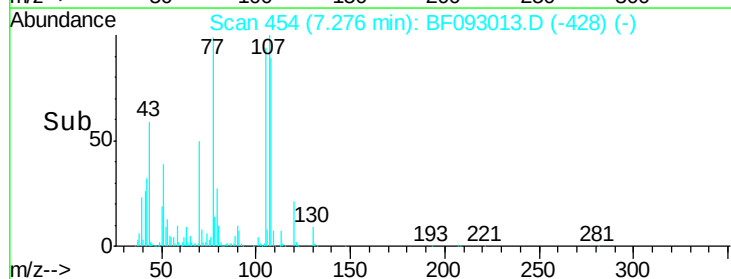
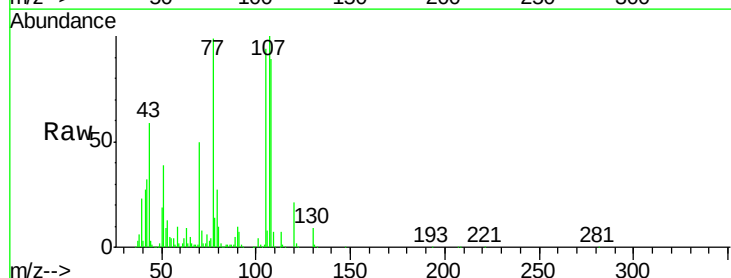
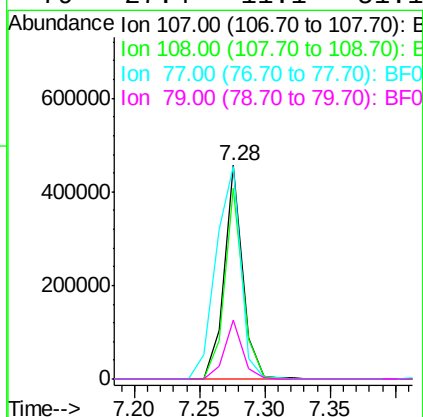
Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

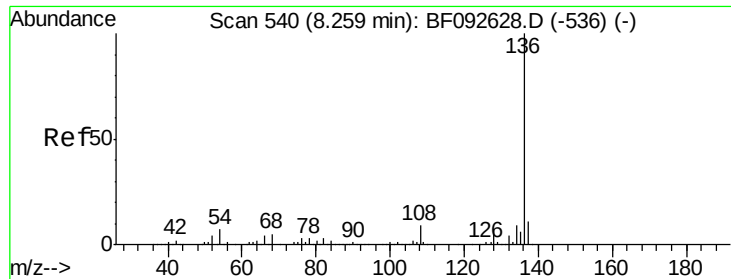
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 65.2  | 49.4  | 74.0  |
| 101     | 8.8   | 7.4   | 11.2  |
| 130     | 18.8  | 14.2  | 21.4  |



#20  
3+4-Methylphenols  
Concen: 42.84 ng  
RT: 7.28 min Scan# 454  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 89.1  | 73.0  | 113.0 |
| 77      | 99.4  | 71.3  | 111.3 |
| 79      | 27.4  | 11.1  | 51.1  |

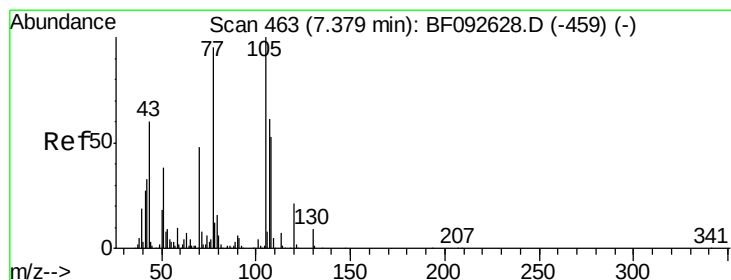
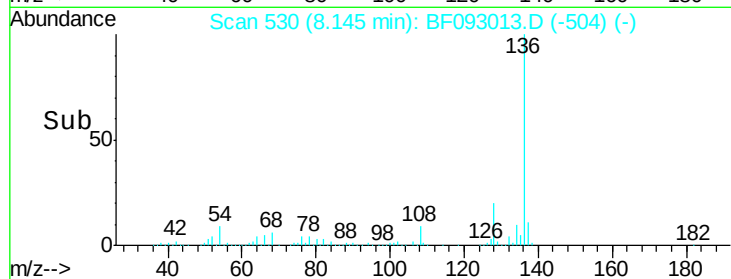
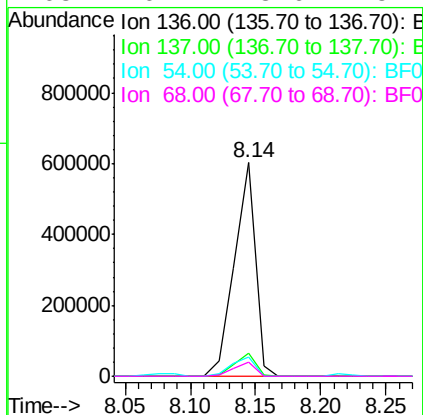
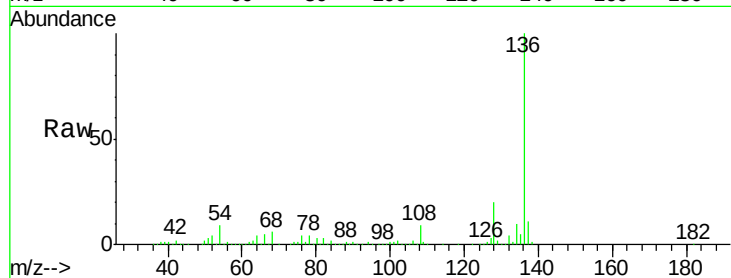




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.14 min Scan# 530  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

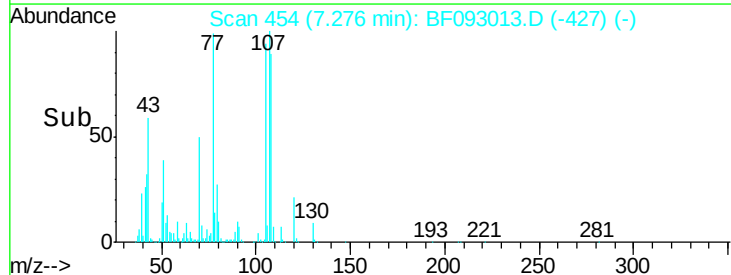
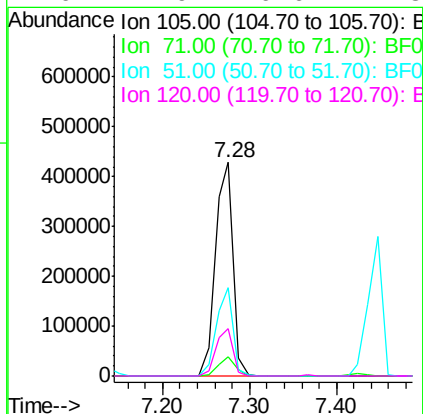
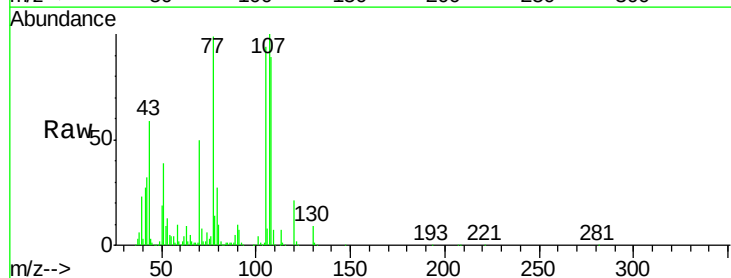
Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

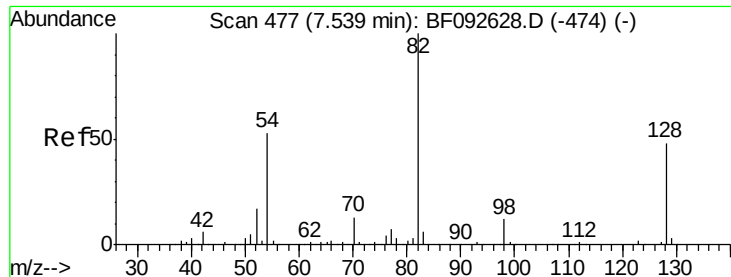
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 673473 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.4   | 12.6   |
| 54       | 8.8   | 4.5   | 6.7#   |
| 68       | 6.4   | 3.6   | 5.4#   |



#22  
Acetophenone  
Concen: 39.49 ng  
RT: 7.28 min Scan# 454  
Delta R.T. 0.01 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 607166 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 8.9   | 3.2   | 4.8#   |
| 51       | 41.3  | 26.2  | 39.4#  |
| 120      | 21.9  | 16.6  | 24.8   |

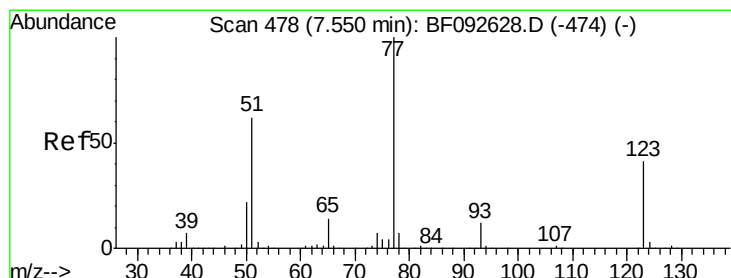
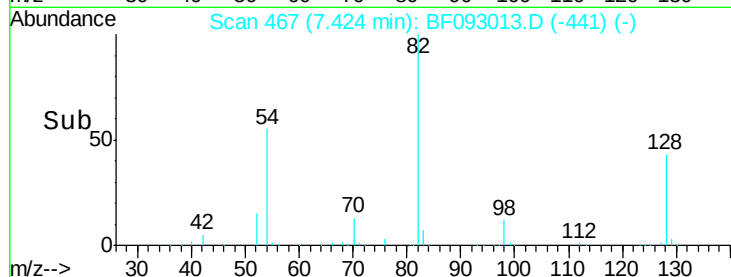
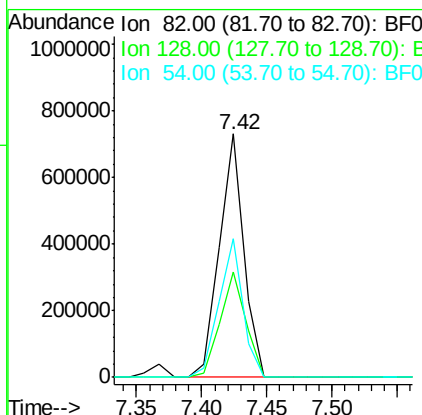
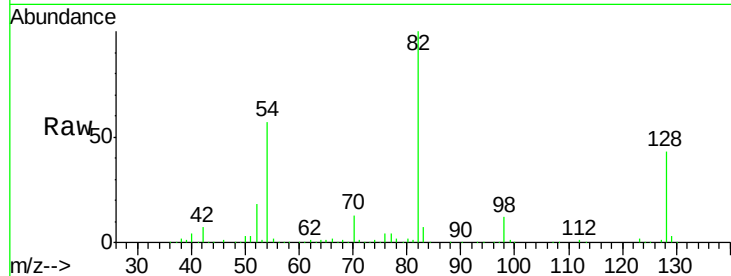




#23  
 Nitrobenzene-d5  
 Concen: 79.10 ng  
 RT: 7.42 min Scan# 467  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

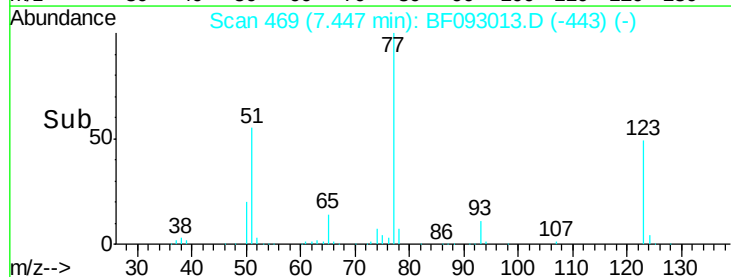
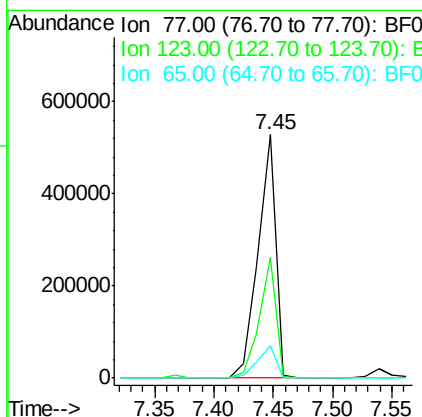
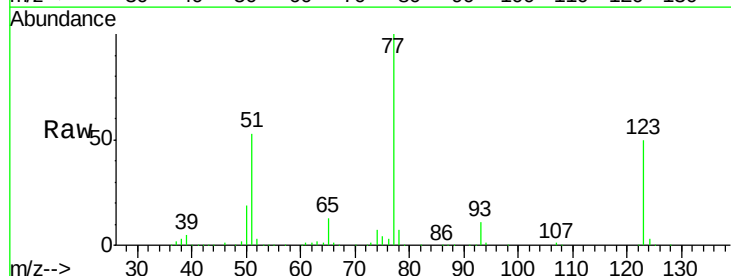
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97007BS

Tgt Ion: 82 Resp: 956662  
 Ion Ratio Lower Upper  
 82 100  
 128 43.1 34.6 52.0  
 54 56.8 39.5 59.3

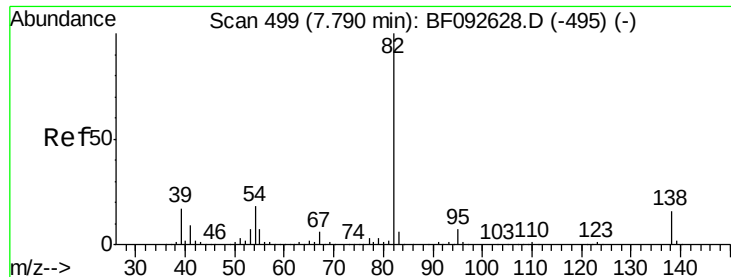


#24  
 Nitrobenzene  
 Concen: 44.59 ng  
 RT: 7.45 min Scan# 469  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Tgt Ion: 77 Resp: 553795  
 Ion Ratio Lower Upper  
 77 100  
 123 49.6 33.0 49.4#  
 65 13.2 11.2 16.8







#25

Isophorone

Concen: 42.23 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS

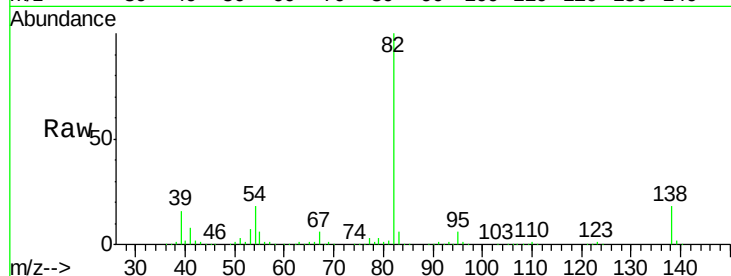
Tgt Ion: 82 Resp: 951613

Ion Ratio Lower Upper

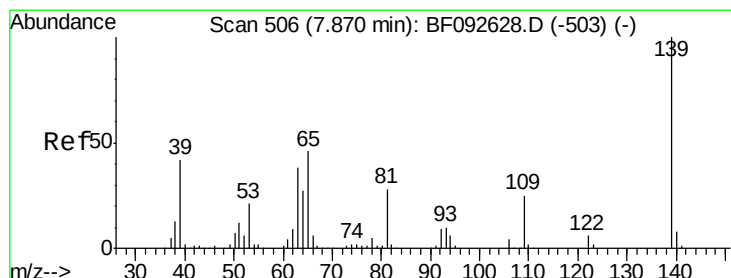
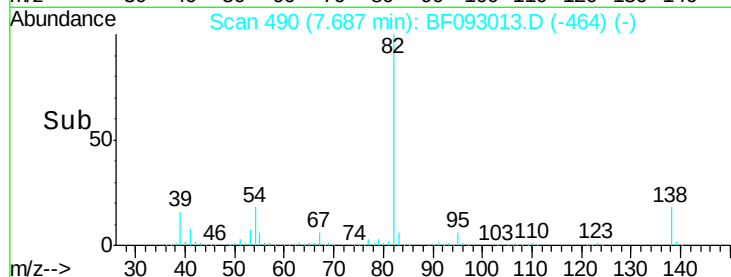
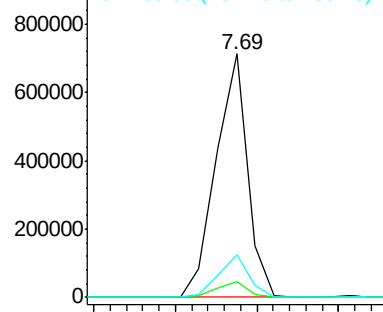
82 100

95 6.4 5.6 8.4

138 17.7 14.6 22.0



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



#26

2-Nitrophenol

Concen: 44.15 ng

RT: 7.76 min Scan# 496

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

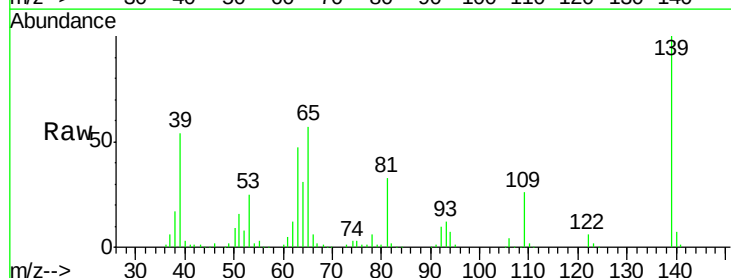
Tgt Ion: 139 Resp: 260633

Ion Ratio Lower Upper

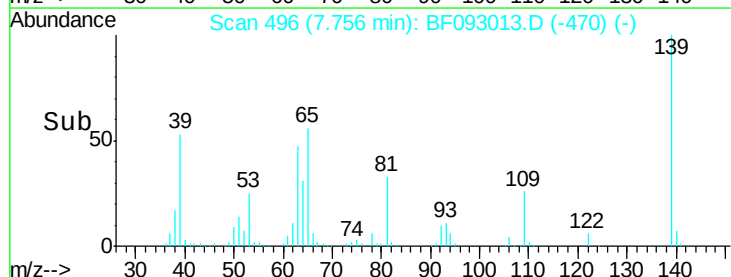
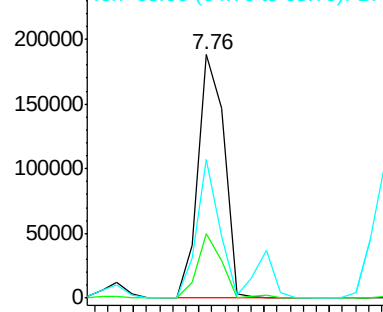
139 100

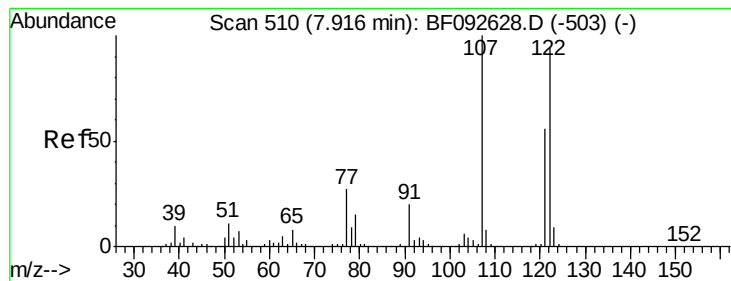
109 26.2 23.3 34.9

65 56.7 42.7 64.1



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





#27

2,4-Dimethylphenol

Concen: 41.26 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampled :

PB97007BS

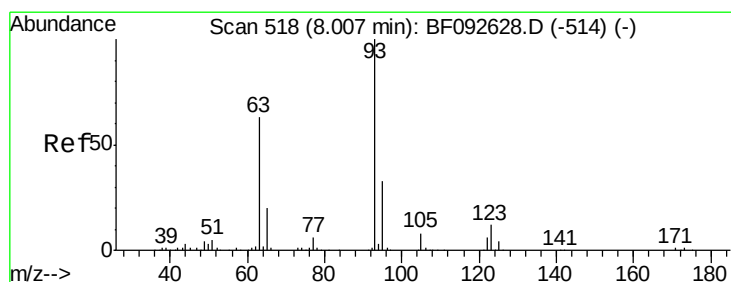
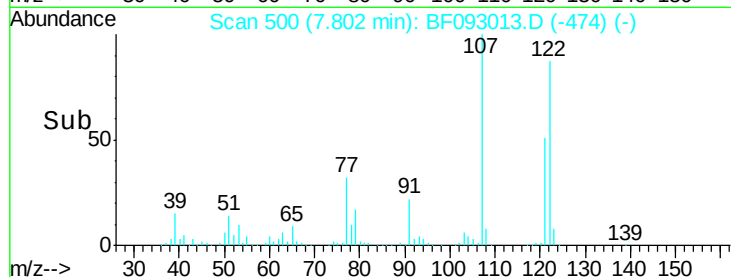
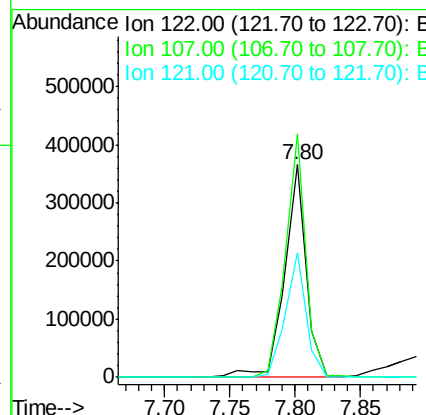
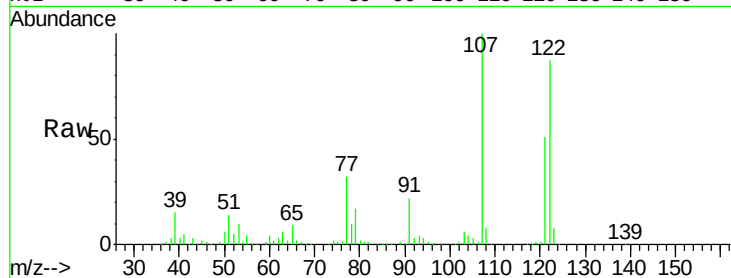
Tgt Ion: 122 Resp: 427717

Ion Ratio Lower Upper

122 100

107 114.5 94.1 141.1

121 58.5 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 39.01 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

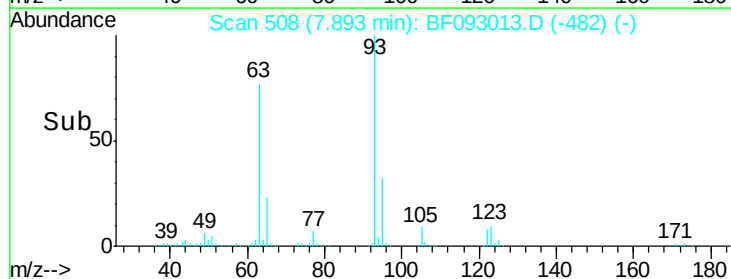
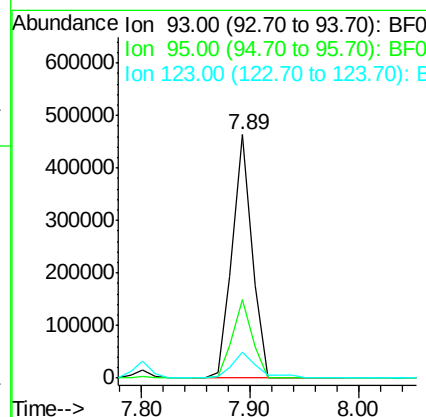
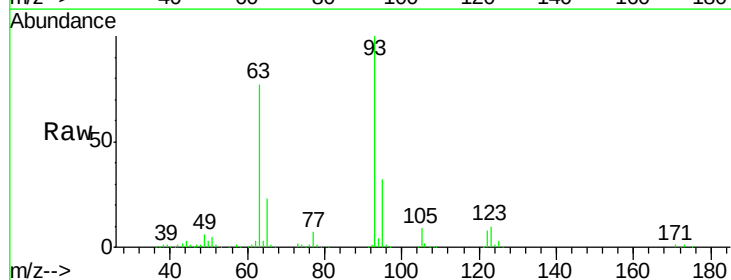
Tgt Ion: 93 Resp: 582231

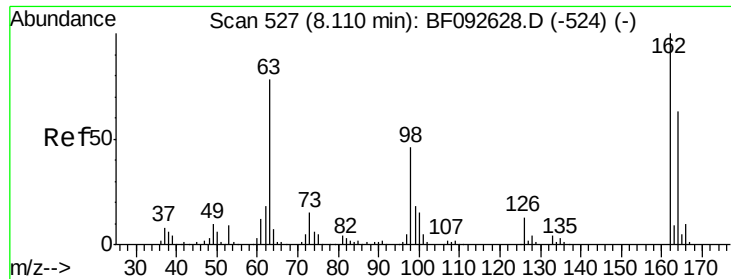
Ion Ratio Lower Upper

93 100

95 32.2 26.5 39.7

123 10.5 8.6 13.0

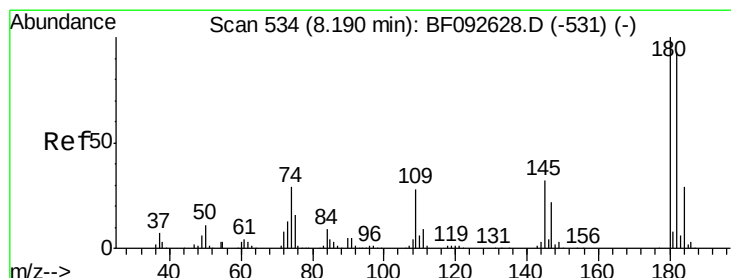
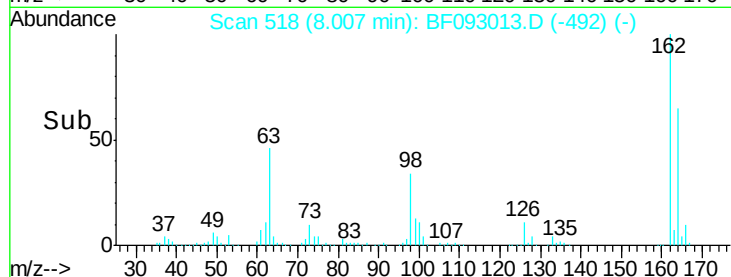
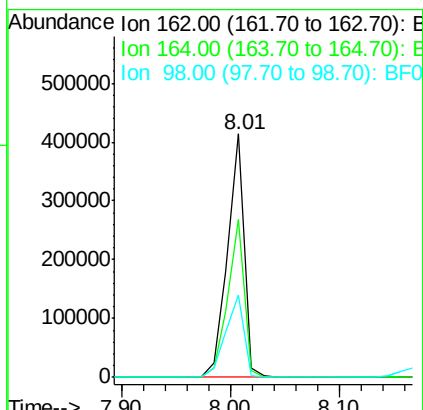
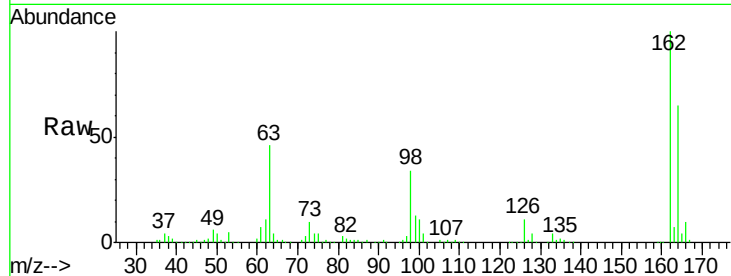




#29  
 2,4-Dichlorophenol  
 Concen: 45.45 ng  
 RT: 8.01 min Scan# 518  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

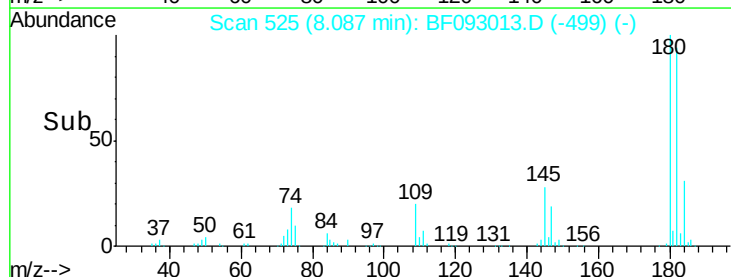
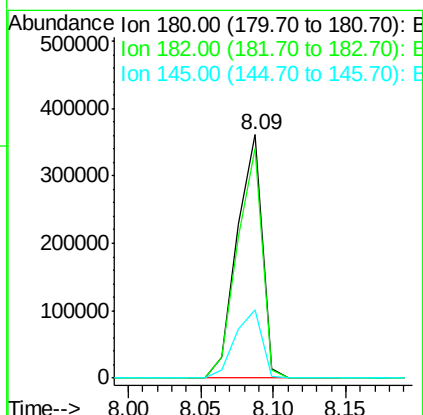
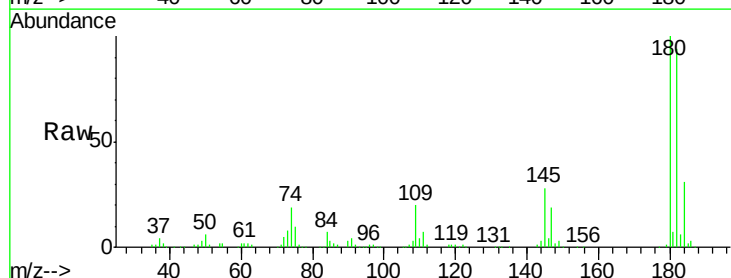
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97007BS

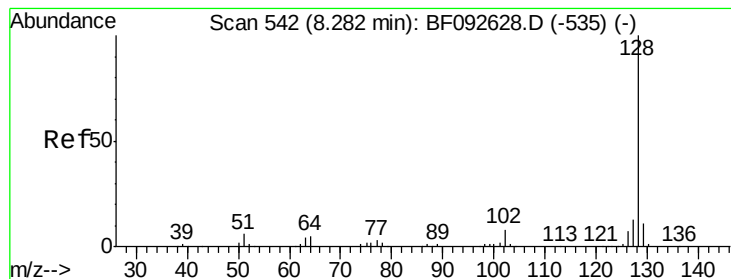
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.7  | 46.8  | 86.8  |
| 98      | 33.6  | 9.1   | 49.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 41.83 ng  
 RT: 8.09 min Scan# 525  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.4  | 78.2  | 117.4 |
| 145     | 28.2  | 21.6  | 32.4  |





#31

Naphthalene

Concen: 40.44 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS

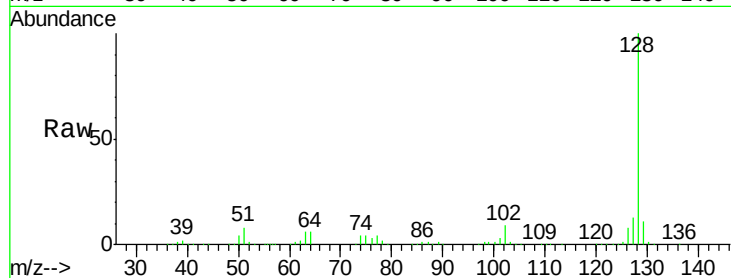
Tgt Ion:128 Resp: 1380742

Ion Ratio Lower Upper

128 100

129 11.2 9.5 14.3

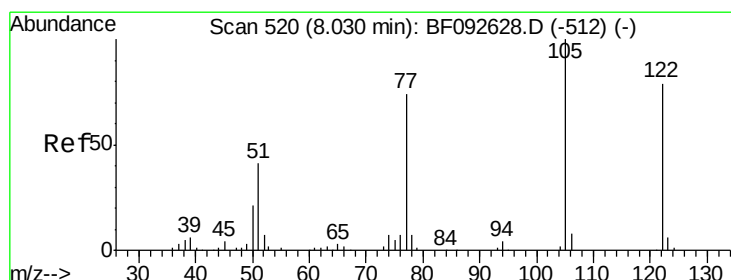
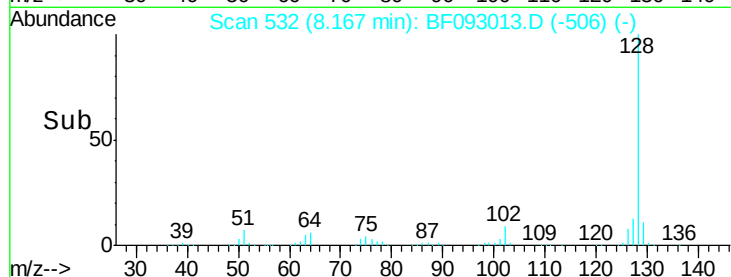
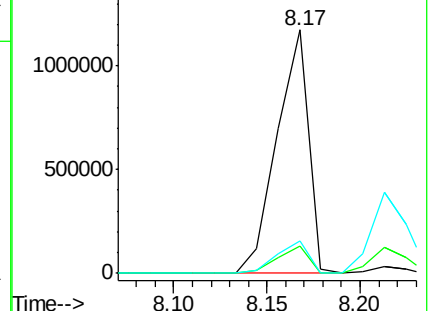
127 13.3 10.8 16.2



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: 42.52 ng

RT: 7.94 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

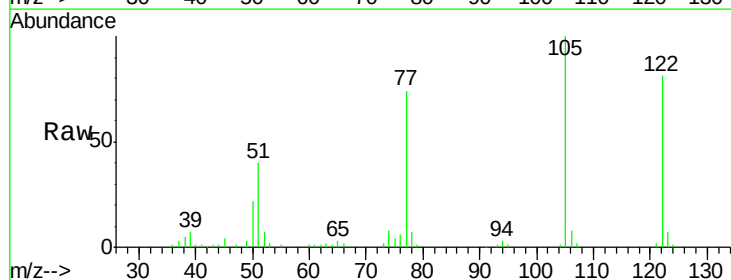
Tgt Ion:122 Resp: 244081

Ion Ratio Lower Upper

122 100

105 123.6 107.2 147.2

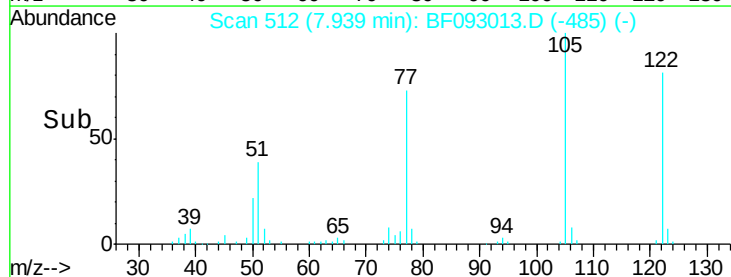
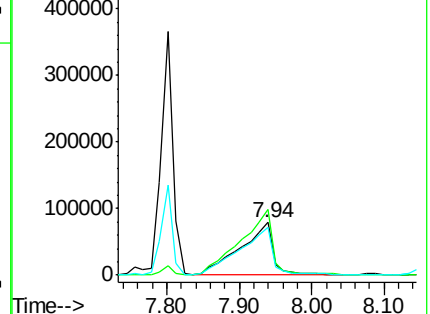
77 90.9 74.5 114.5

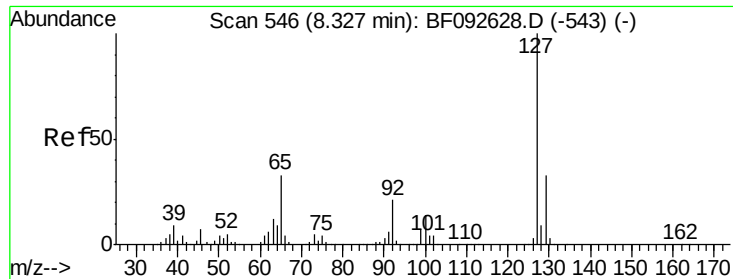


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

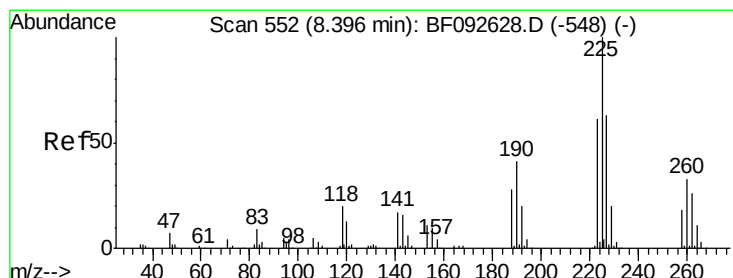
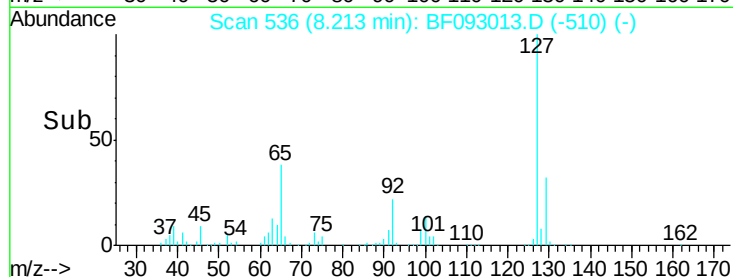
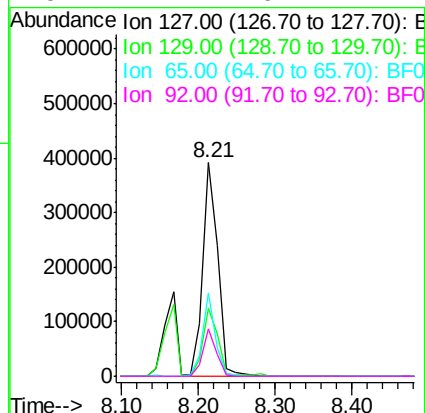
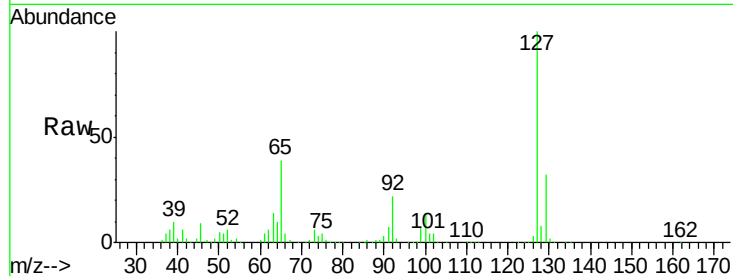




#33  
4-Chloroaniline  
Concen: 38.87 ng  
RT: 8.21 min Scan# 536  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

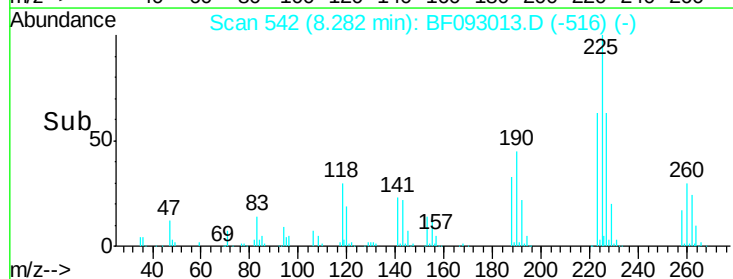
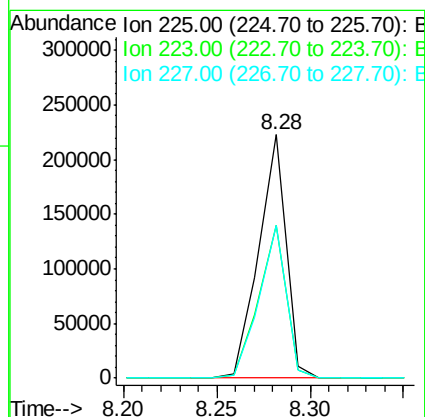
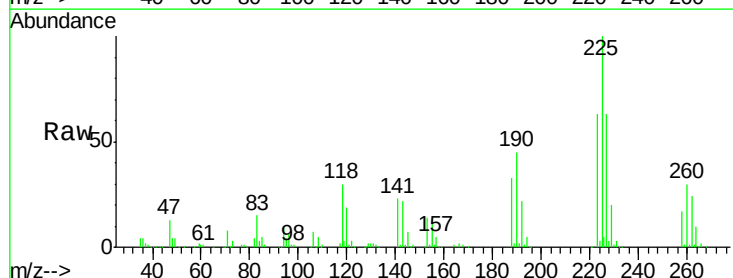
Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

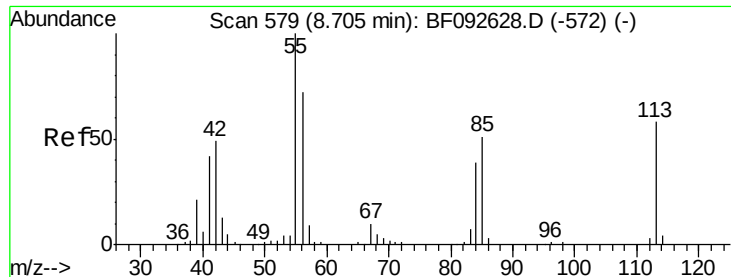
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 520401 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.1  | 26.3  | 39.5   |
| 65       | 38.7  | 25.8  | 38.8   |
| 92       | 22.4  | 16.1  | 24.1   |



#34  
Hexachlorobutadiene  
Concen: 39.49 ng  
RT: 8.28 min Scan# 542  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 226377 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.6  | 51.0  | 76.6   |
| 227      | 62.5  | 50.6  | 76.0   |

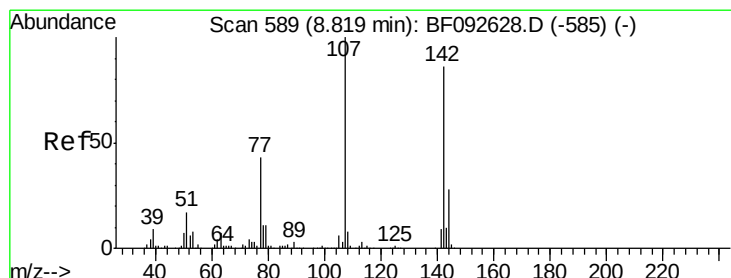
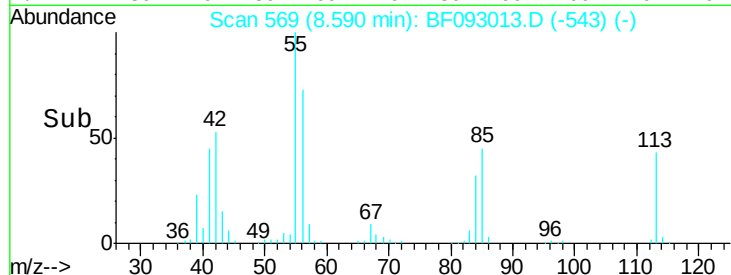
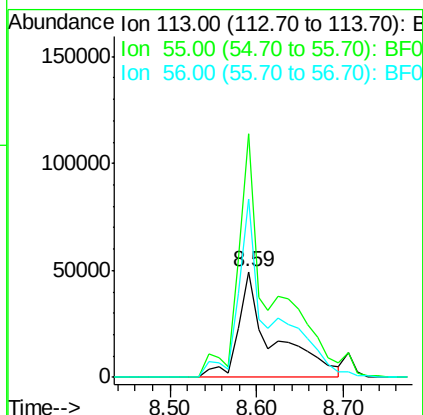
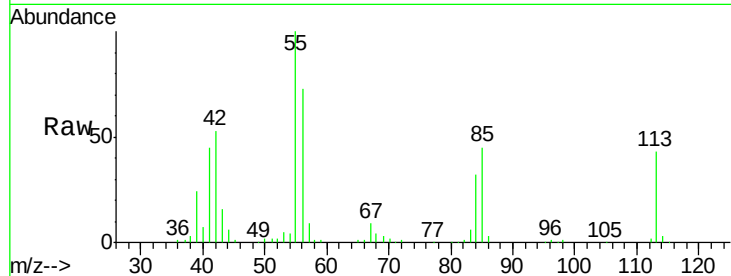




#35  
 Caprolactam  
 Concen: 44.67 ng  
 RT: 8.59 min Scan# 569  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

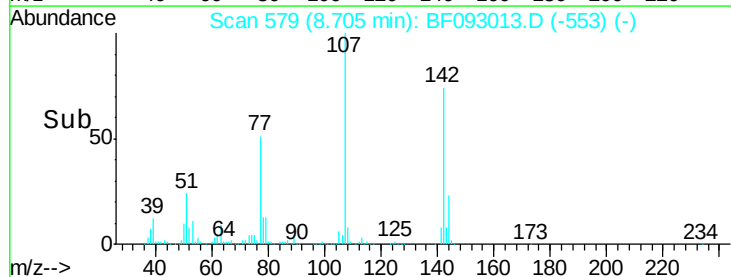
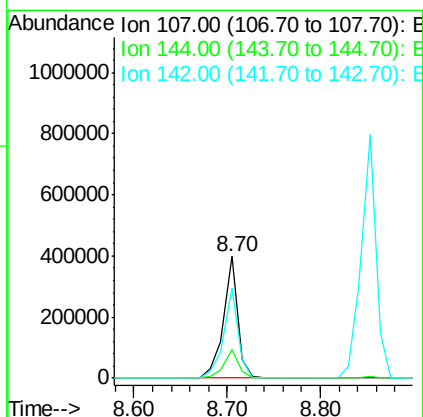
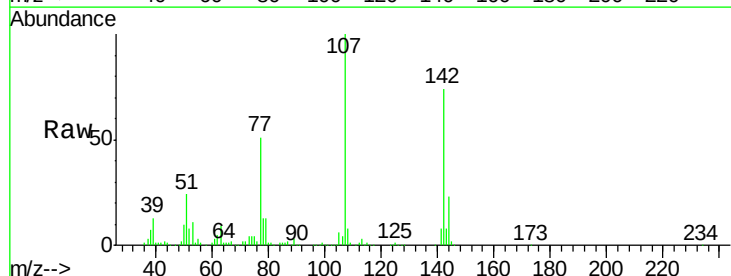
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97007BS

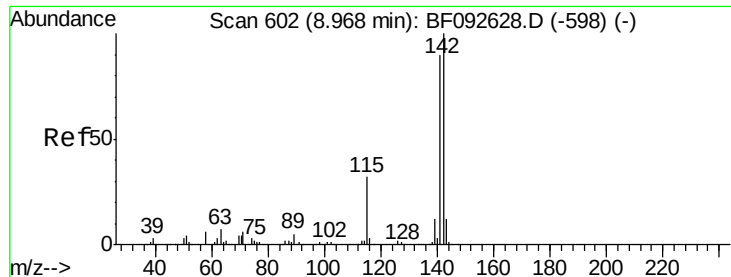
Tgt Ion:113 Resp: 135870  
 Ion Ratio Lower Upper  
 113 100  
 55 231.0 119.2 159.2#  
 56 168.8 83.8 123.8#



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.86 ng  
 RT: 8.70 min Scan# 579  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Tgt Ion:107 Resp: 422011  
 Ion Ratio Lower Upper  
 107 100  
 144 23.5 19.3 28.9  
 142 73.7 59.0 88.6

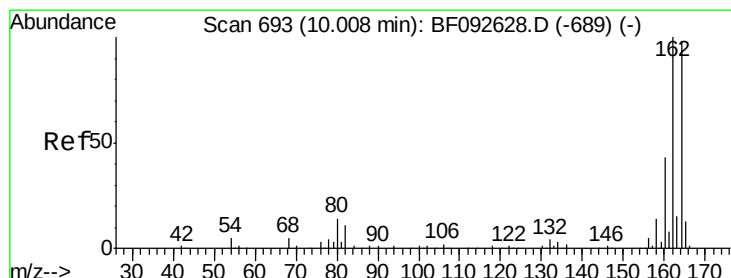
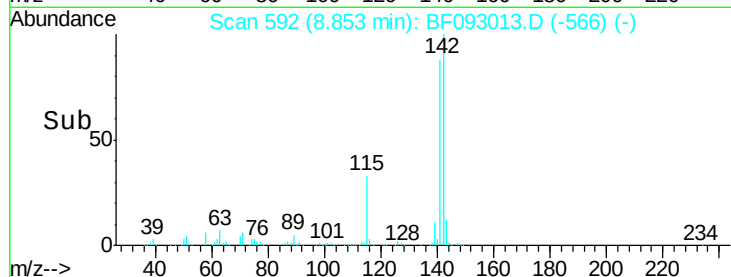
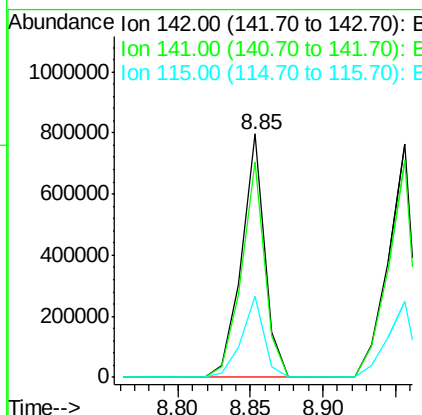
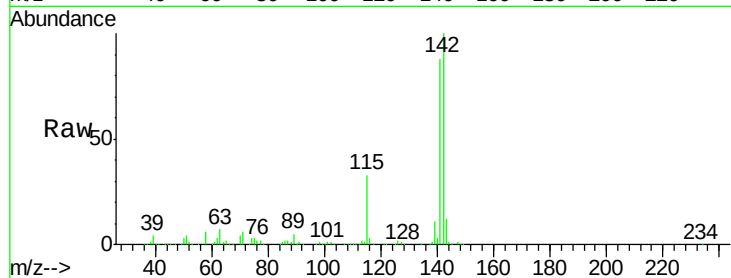




#37  
2-Methylnaphthalene  
Concen: 40.48 ng  
RT: 8.85 min Scan# 592  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

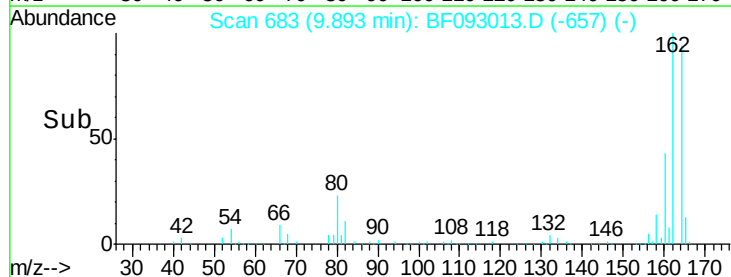
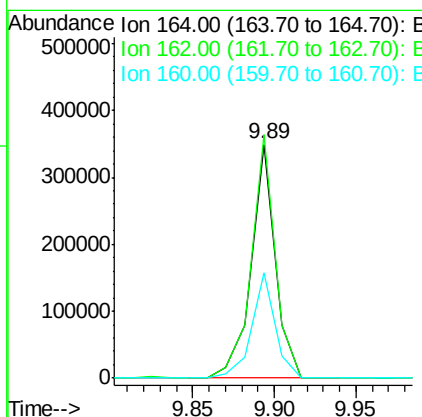
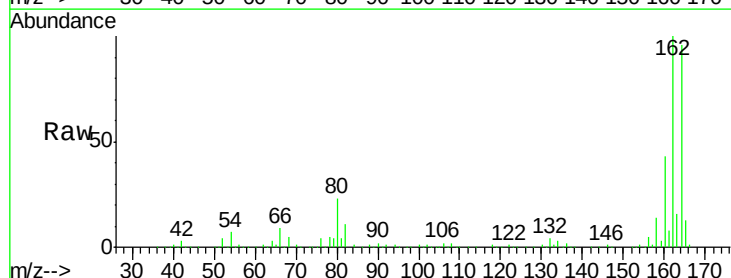
Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

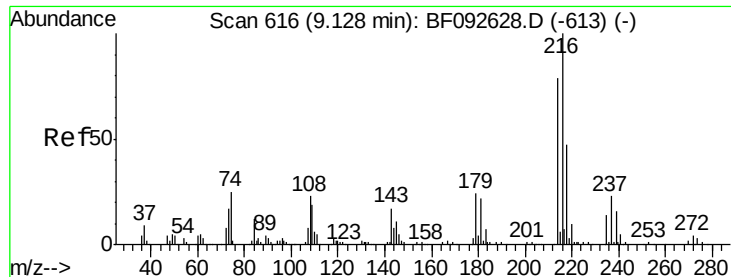
Tgt Ion:142 Resp: 887289  
Ion Ratio Lower Upper  
142 100  
141 88.4 71.0 106.6  
115 33.1 28.3 42.5



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.89 min Scan# 683  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Tgt Ion:164 Resp: 359991  
Ion Ratio Lower Upper  
164 100  
162 104.3 80.2 120.2  
160 45.2 36.9 55.3

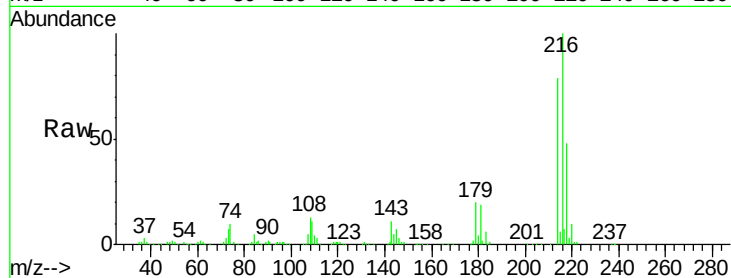




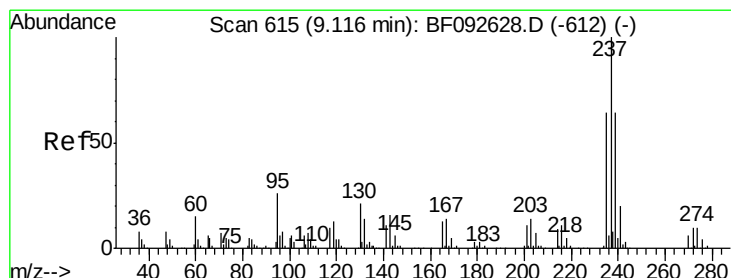
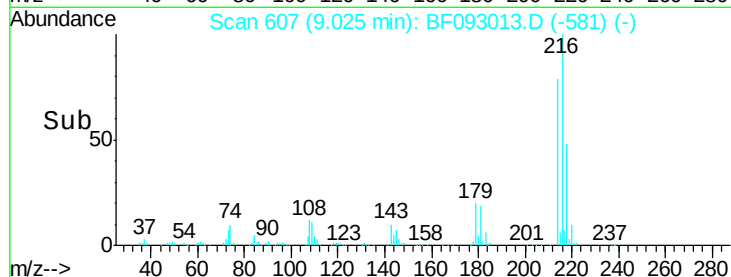
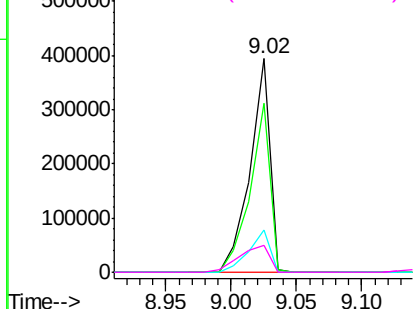
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 41.69 ng  
 RT: 9.02 min Scan# 607  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97007BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 421318 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 79.4  | 63.4  | 95.0   |
| 179      | 20.9  | 17.4  | 26.2   |
| 108      | 18.9  | 15.6  | 23.4   |

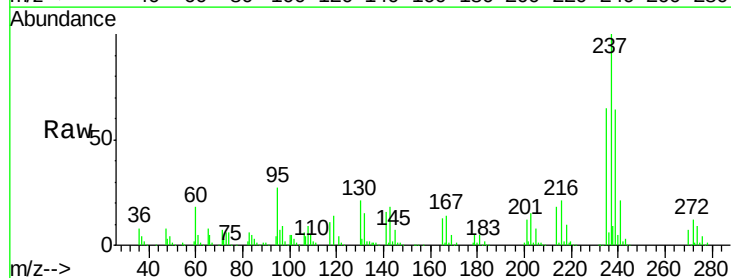


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

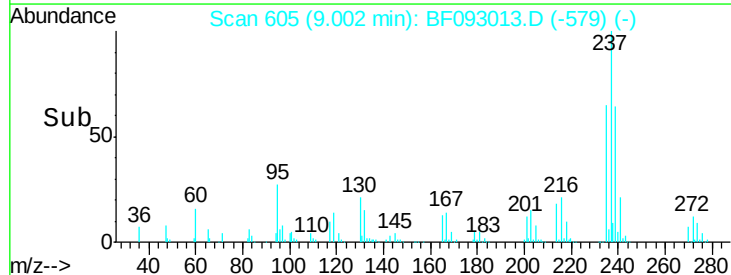
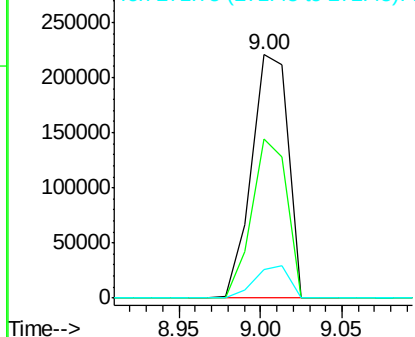


#40  
 Hexachlorocyclopentadiene  
 Concen: 75.32 ng  
 RT: 9.00 min Scan# 605  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

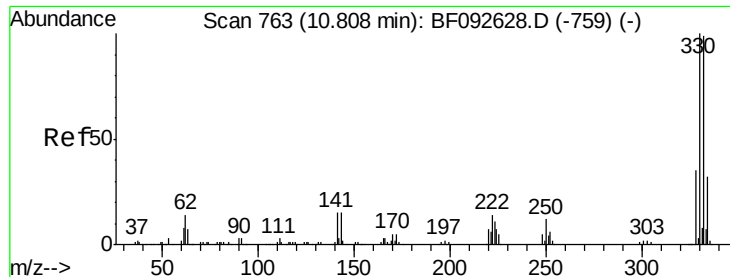
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 343398 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 65.2  | 41.2  | 81.2   |
| 272      | 11.5  | 0.0   | 35.4   |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E



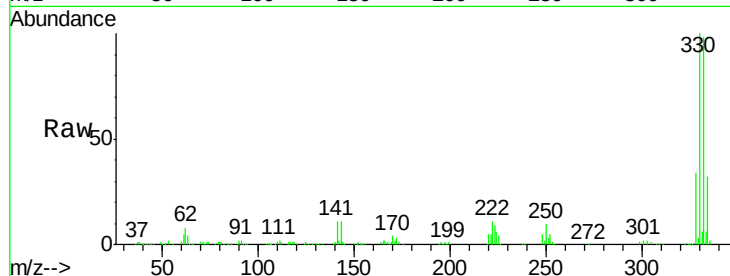




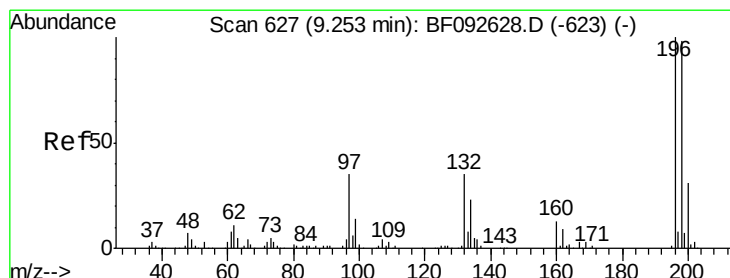
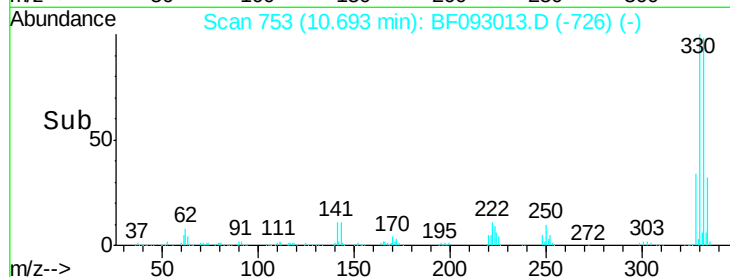
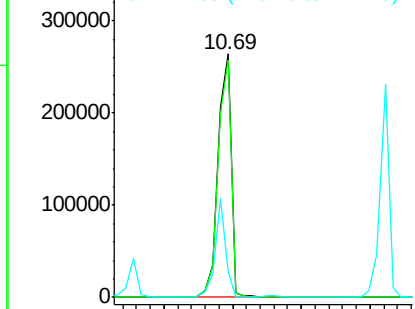
#41  
 2,4,6-Tribromophenol  
 Concen: 137.95 ng  
 RT: 10.69 min Scan# 753  
 Delta R.T. 0.01 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97007BS

Tgt Ion:330 Resp: 359179  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 77.4 116.2  
 141 32.5 34.1 51.1#

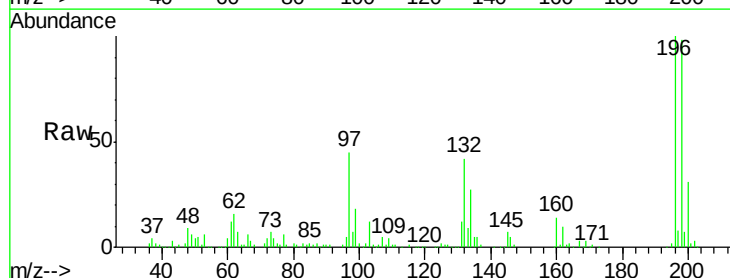


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

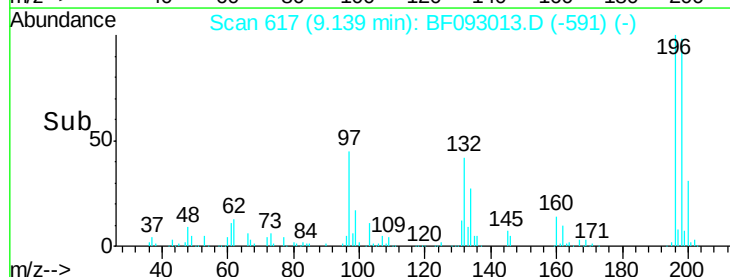
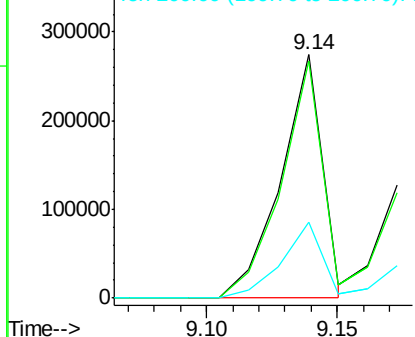


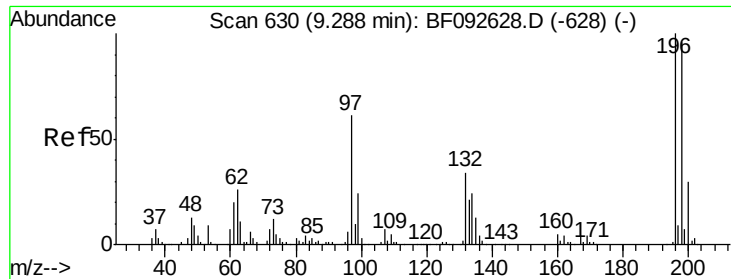
#42  
 2,4,6-Trichlorophenol  
 Concen: 45.48 ng  
 RT: 9.14 min Scan# 617  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Tgt Ion:196 Resp: 302019  
 Ion Ratio Lower Upper  
 196 100  
 198 97.6 82.1 123.1  
 200 31.1 27.0 40.4



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

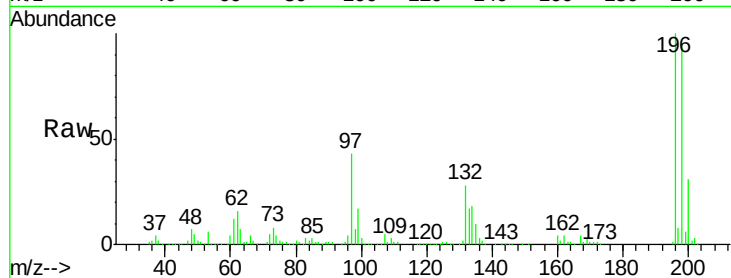




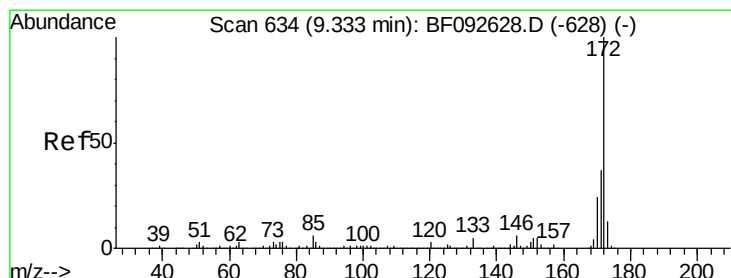
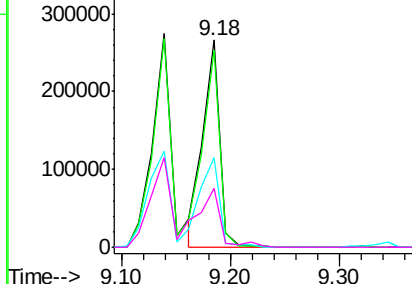
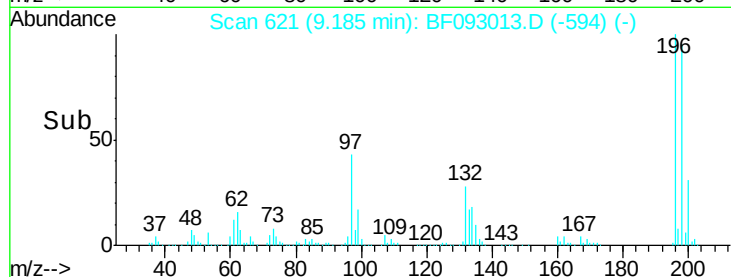
#43  
 2,4,5-Trichlorophenol  
 Concen: 39.29 ng  
 RT: 9.18 min Scan# 621  
 Delta R.T. 0.01 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97007BS

Tgt Ion:196 Resp: 285844  
 Ion Ratio Lower Upper  
 196 100  
 198 95.3 79.4 119.2  
 97 43.3 51.5 77.3#  
 132 28.5 27.4 41.2

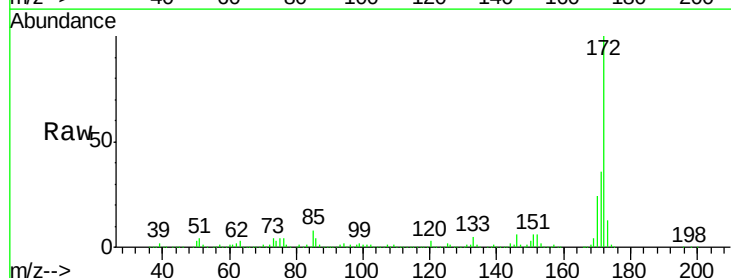


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

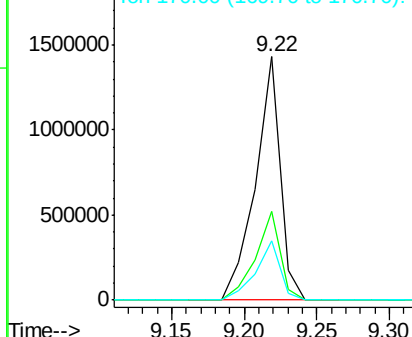
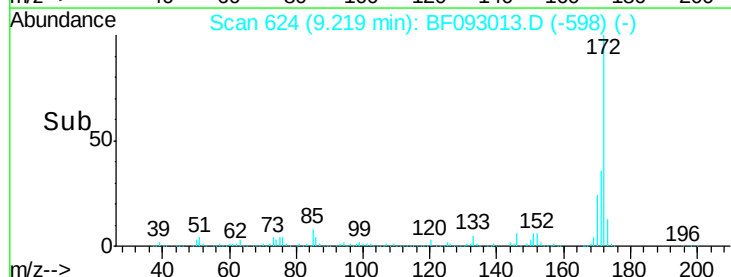


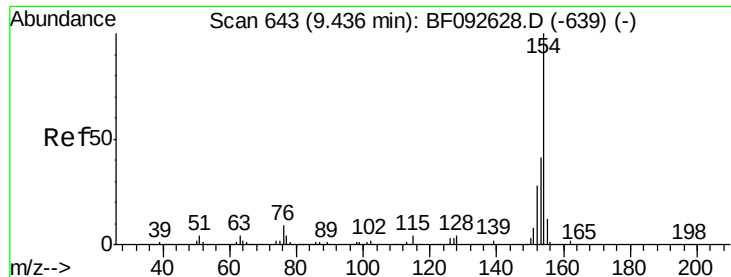
#44  
 2-Fluorobiphenyl  
 Concen: 85.73 ng  
 RT: 9.22 min Scan# 624  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Tgt Ion:172 Resp: 1703567  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.4 44.0  
 170 24.4 20.2 30.4



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: 43.33 ng

RT: 9.32 min Scan# 633

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampled :

PB97007BS

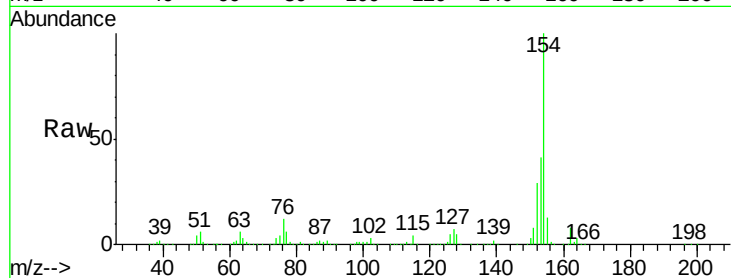
Tgt Ion:154 Resp: 1129517

Ion Ratio Lower Upper

154 100

153 41.1 20.9 60.9

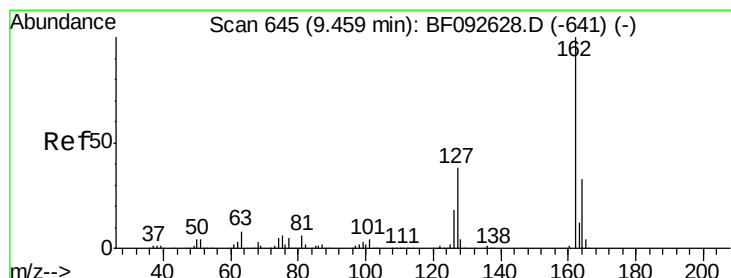
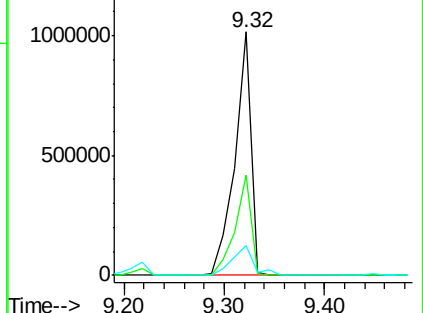
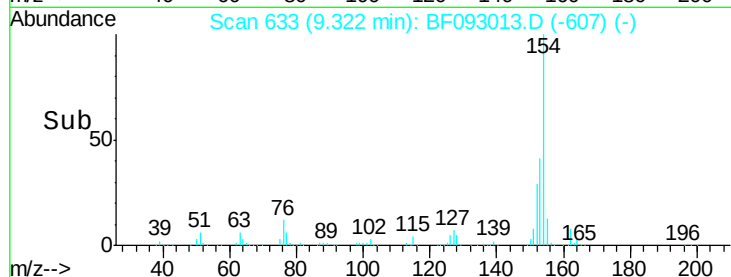
76 12.3 0.0 30.5



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: 42.51 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

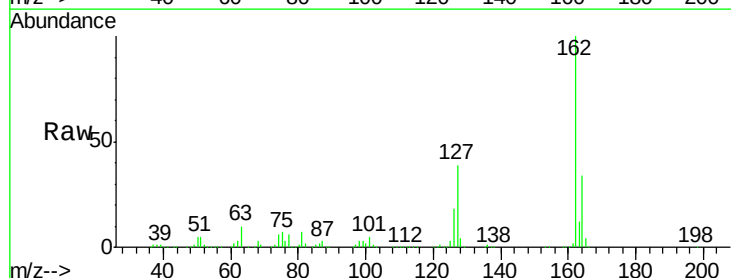
Tgt Ion:162 Resp: 866843

Ion Ratio Lower Upper

162 100

127 39.3 30.7 46.1

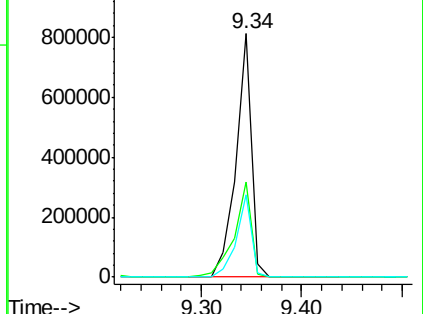
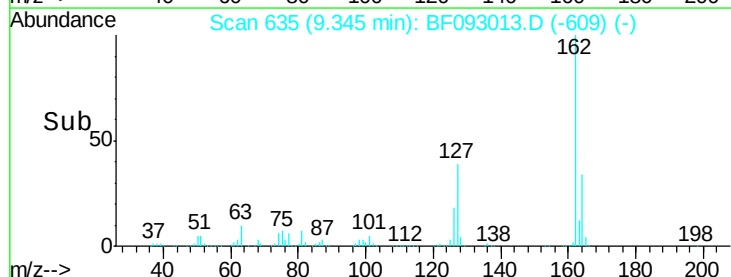
164 33.6 27.6 41.4

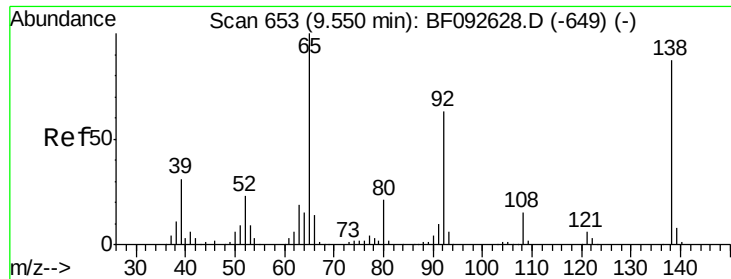


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

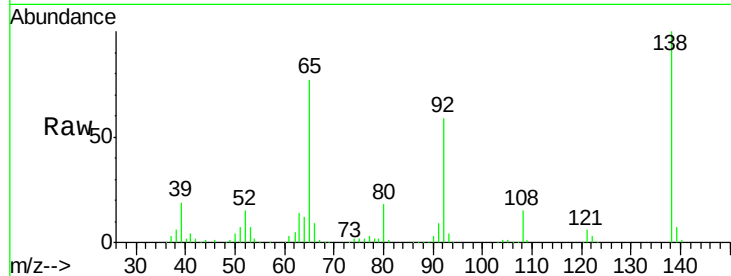




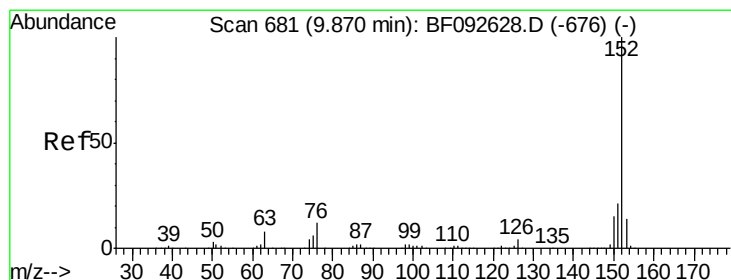
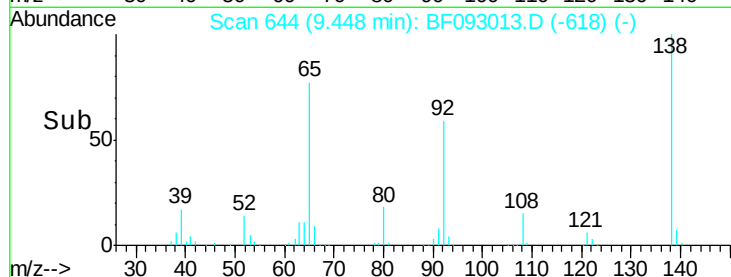
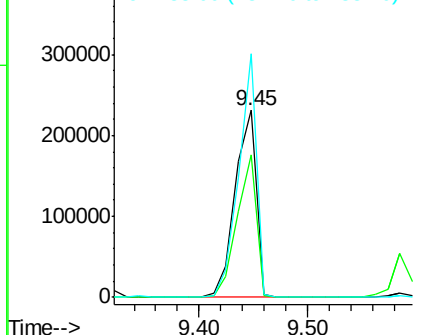
#47  
2-Nitroaniline  
Concen: 44.88 ng  
RT: 9.45 min Scan# 644  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

Tgt Ion: 65 Resp: 307713  
Ion Ratio Lower Upper  
65 100  
92 76.4 53.9 80.9  
138 130.4 76.8 115.2#

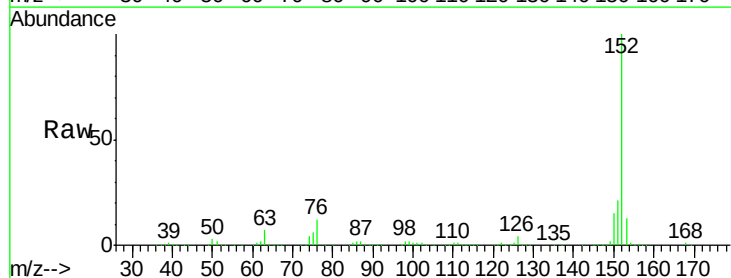


Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0

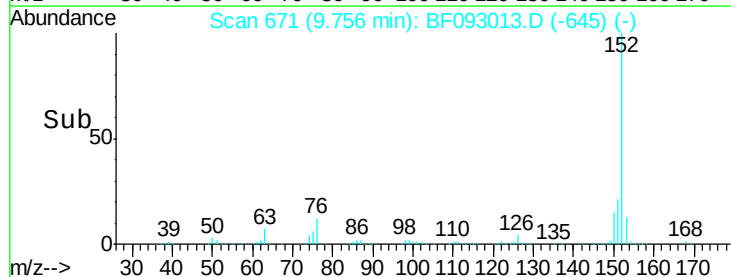
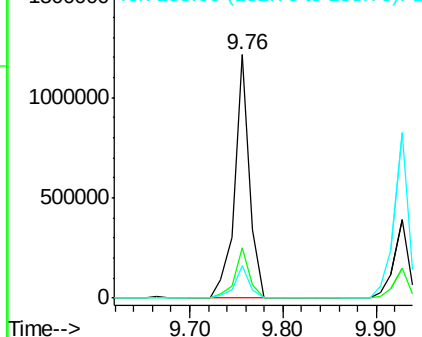


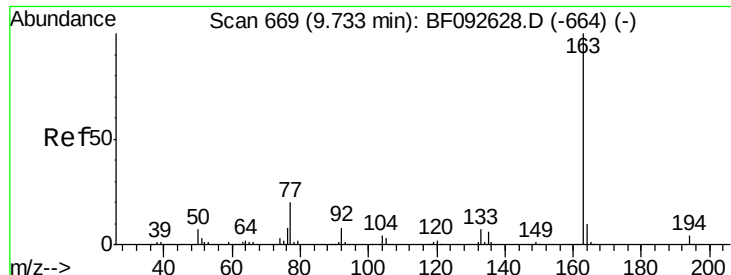
#48  
Acenaphthylene  
Concen: 38.12 ng  
RT: 9.76 min Scan# 671  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Tgt Ion: 152 Resp: 1342751  
Ion Ratio Lower Upper  
152 100  
151 20.8 16.9 25.3  
153 13.4 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E

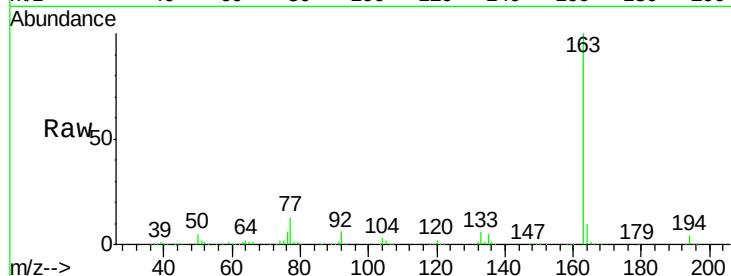




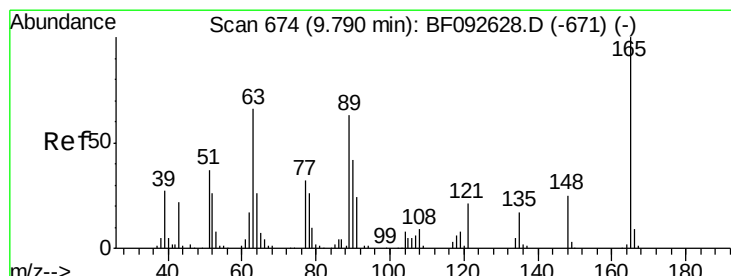
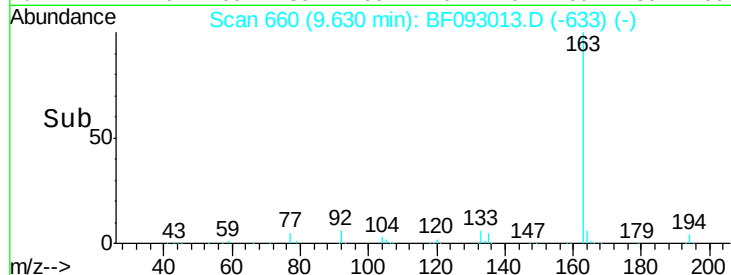
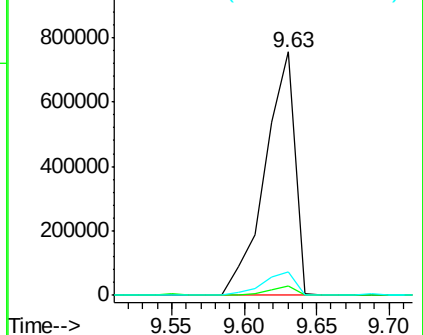
#49  
Dimethylphthalate  
Concen: 44.60 ng  
RT: 9.63 min Scan# 660  
Delta R.T. 0.01 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

Tgt Ion:163 Resp: 1081428  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.0 4.4  
164 9.6 8.0 12.0

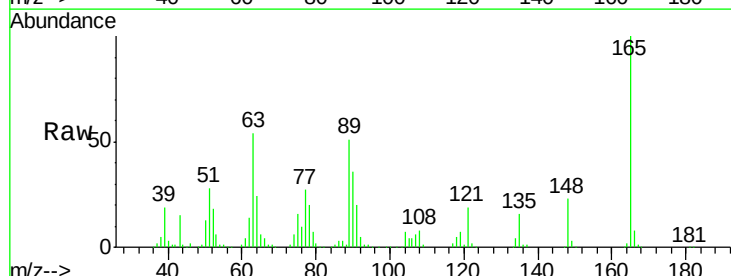


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

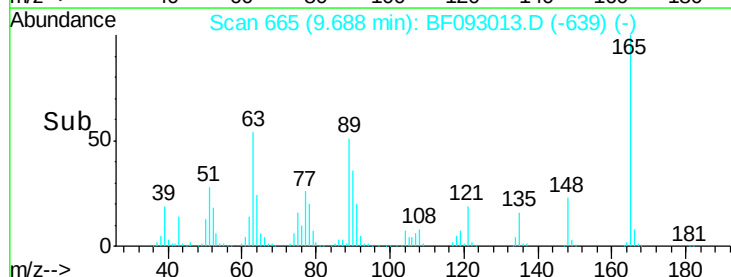
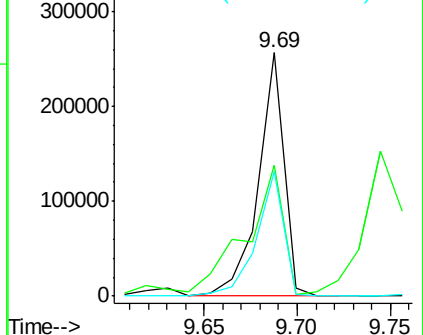


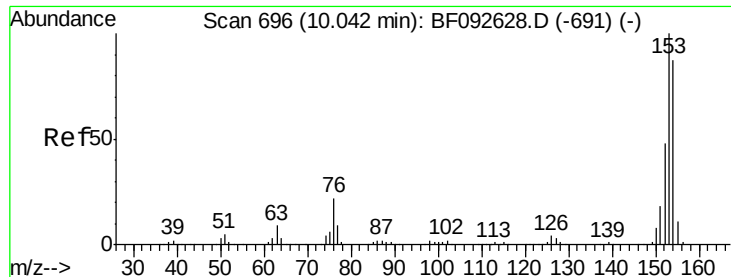
#50  
2,6-Dinitrotoluene  
Concen: 46.53 ng  
RT: 9.69 min Scan# 665  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Tgt Ion:165 Resp: 243635  
Ion Ratio Lower Upper  
165 100  
63 53.8 36.2 54.4  
89 51.3 40.2 60.4



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





#51

Acenaphthene

Concen: 42.47 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS

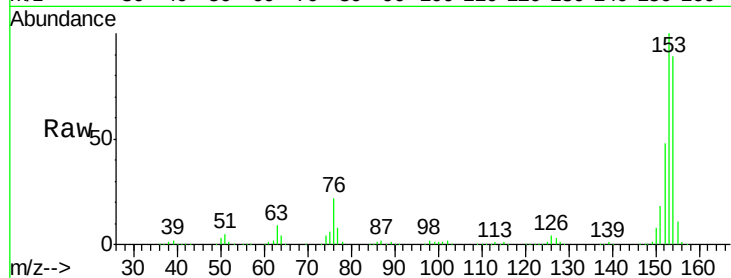
Tgt Ion:154 Resp: 894441

Ion Ratio Lower Upper

154 100

153 112.8 88.6 133.0

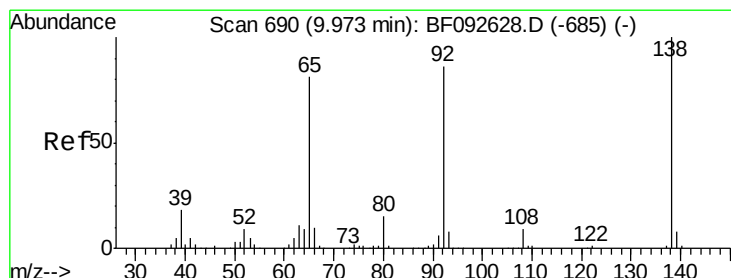
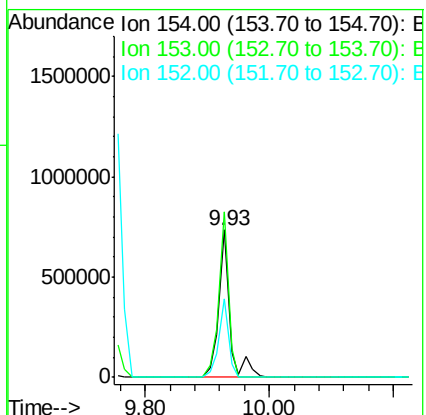
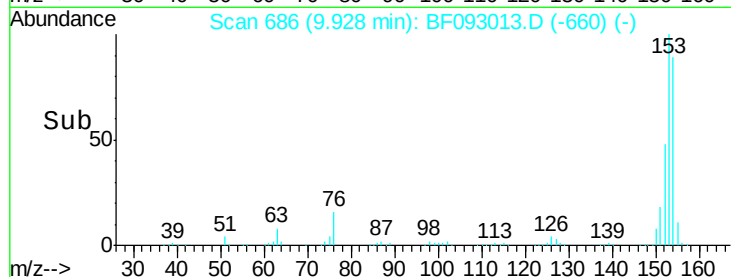
152 53.8 41.6 62.4



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: 43.65 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

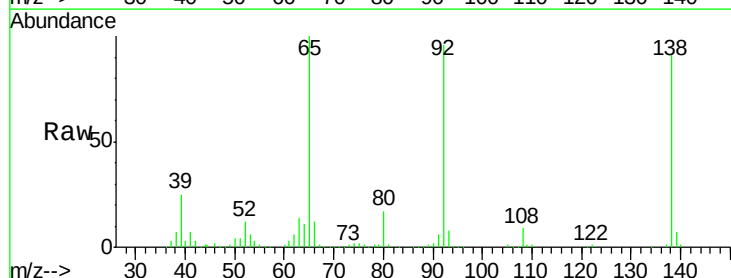
Tgt Ion:138 Resp: 261586

Ion Ratio Lower Upper

138 100

108 9.6 8.5 12.7

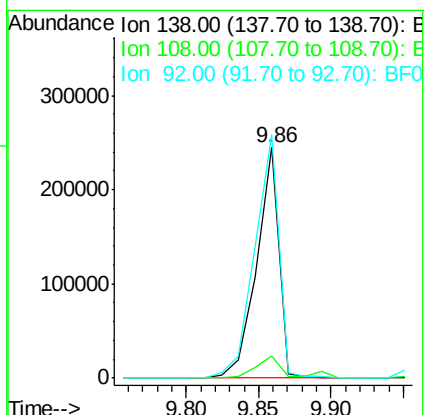
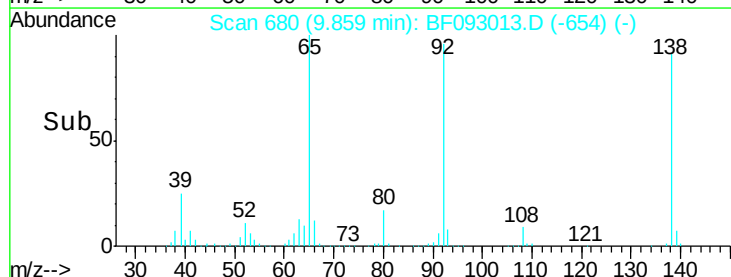
92 105.5 97.8 146.8

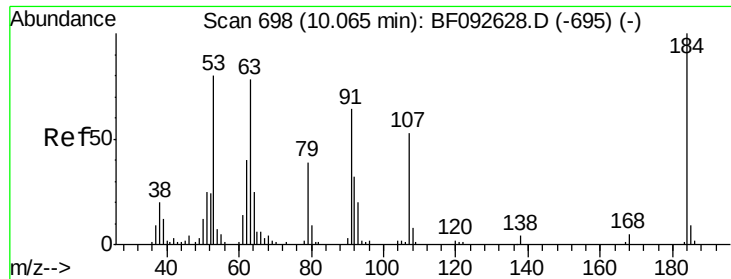


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

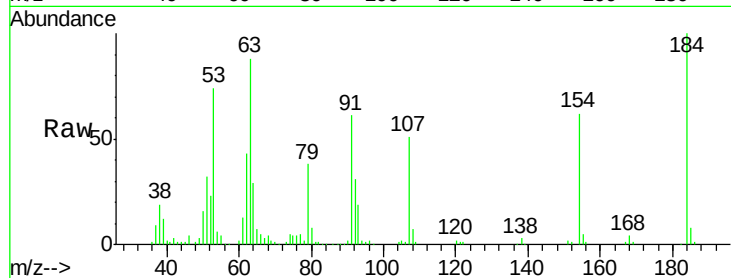




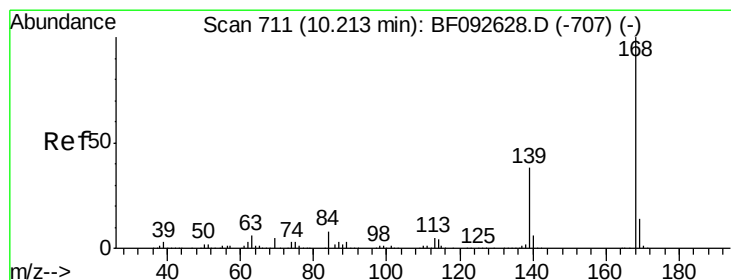
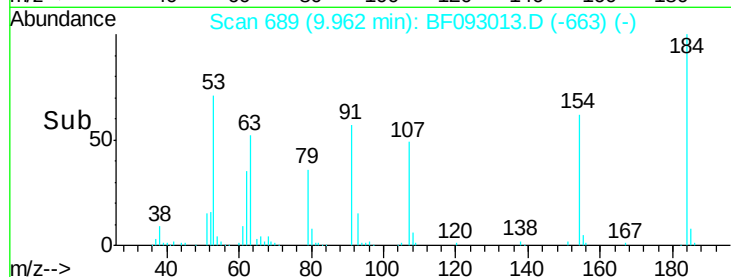
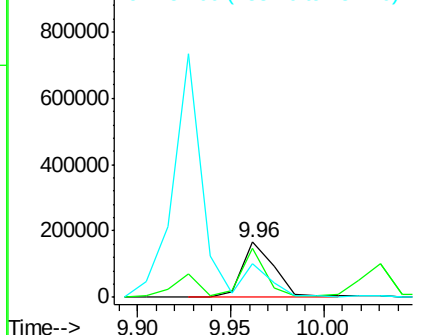
#53  
 2,4-Dinitrophenol  
 Concen: 76.45 ng  
 RT: 9.96 min Scan# 689  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB97007BS

Tgt Ion:184 Resp: 203055  
 Ion Ratio Lower Upper  
 184 100  
 63 87.9 28.4 42.6#  
 154 61.9 44.3 66.5

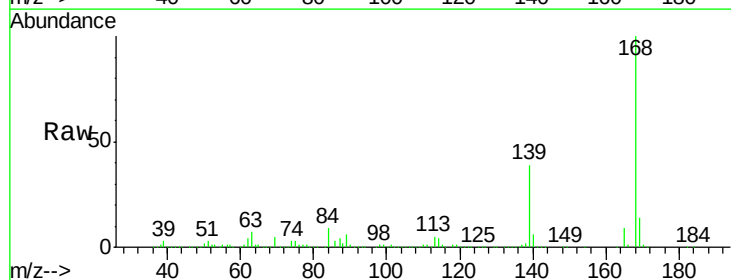


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 154.00 (153.70 to 154.70): E

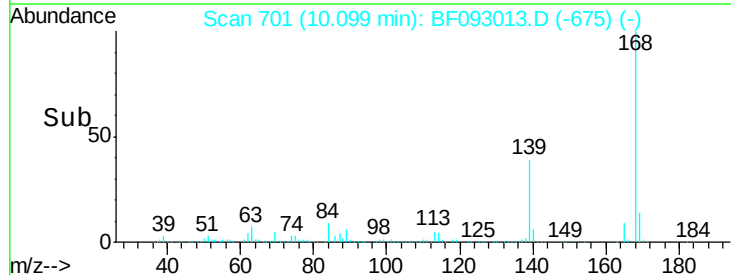
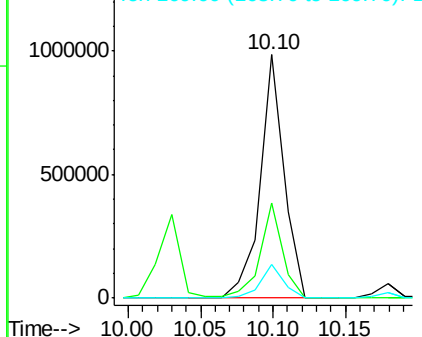


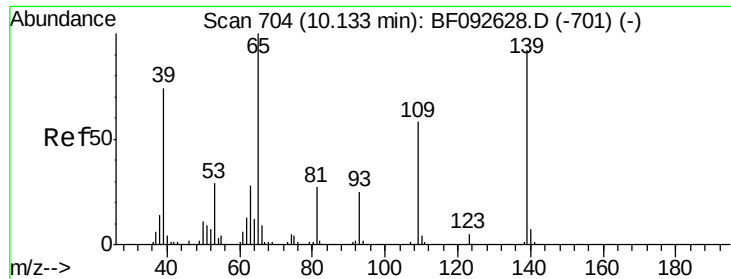
#54  
 Dibenzofuran  
 Concen: 39.90 ng  
 RT: 10.10 min Scan# 701  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Tgt Ion:168 Resp: 1123880  
 Ion Ratio Lower Upper  
 168 100  
 139 39.1 32.6 49.0  
 169 13.9 11.3 16.9



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

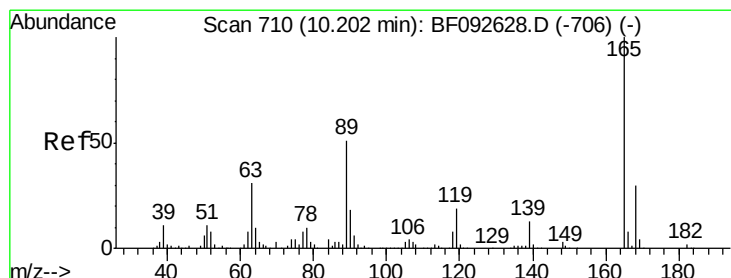
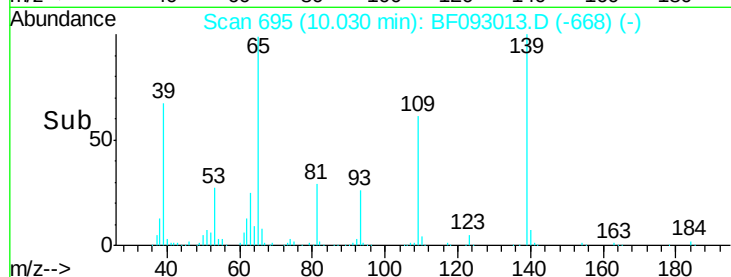
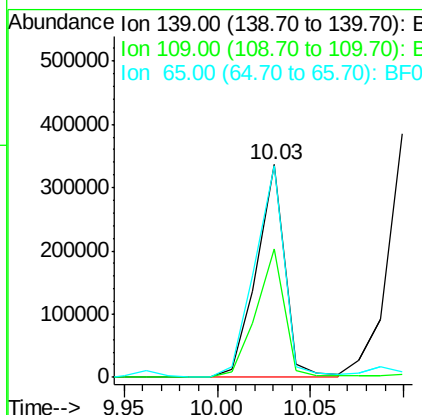
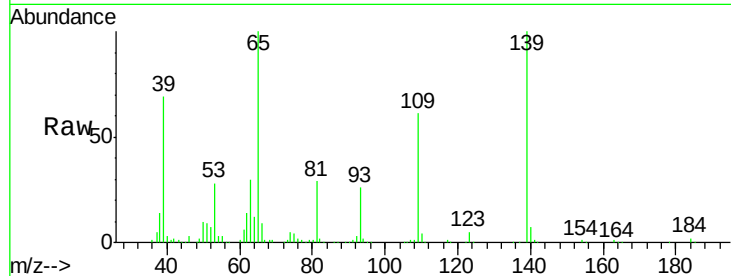




#55  
4-Nitrophenol  
Concen: 82.00 ng  
RT: 10.03 min Scan# 695  
Delta R.T. 0.01 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

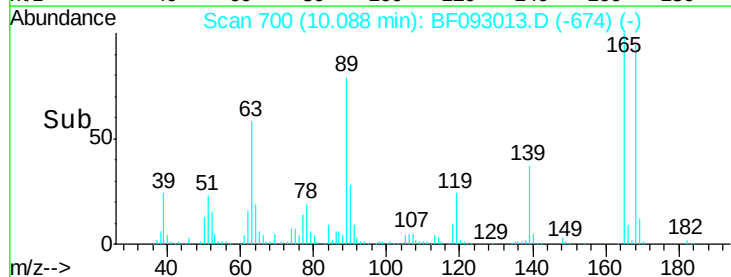
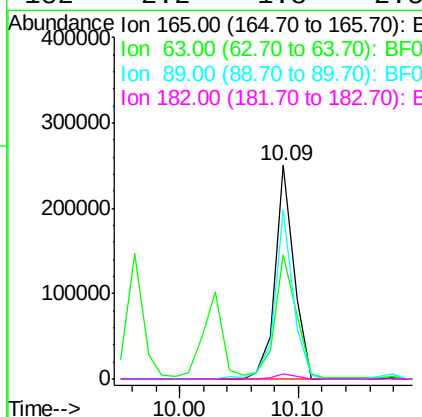
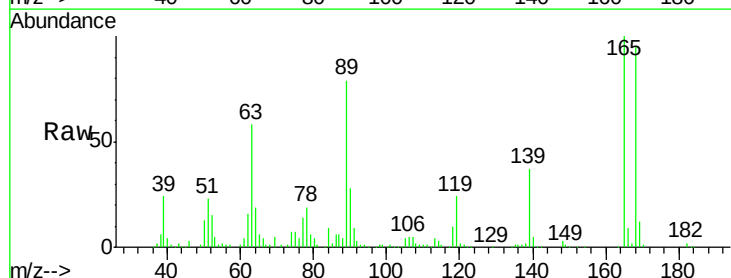
Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

Tgt Ion:139 Resp: 353911  
Ion Ratio Lower Upper  
139 100  
109 60.5 52.2 92.2  
65 99.6 85.8 125.8

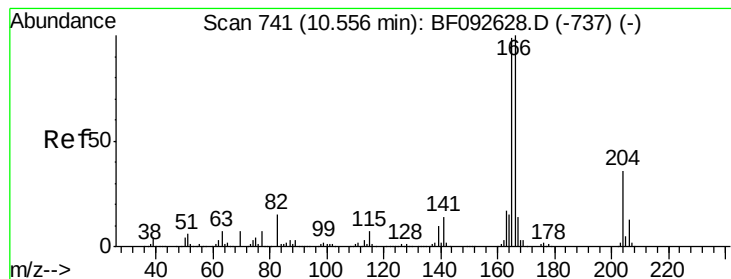


#56  
2,4-Dinitrotoluene  
Concen: 39.65 ng  
RT: 10.09 min Scan# 700  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Tgt Ion:165 Resp: 276455  
Ion Ratio Lower Upper  
165 100  
63 58.0 40.2 60.4  
89 79.3 62.5 93.7  
182 2.2 1.8 2.8







#57

Fluorene

Concen: 40.06 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS

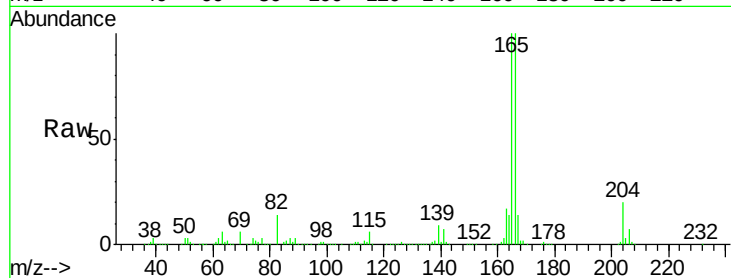
Tgt Ion:166 Resp: 868135

Ion Ratio Lower Upper

166 100

165 100.0 77.8 116.8

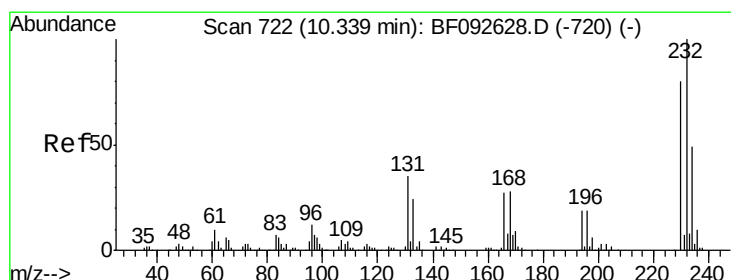
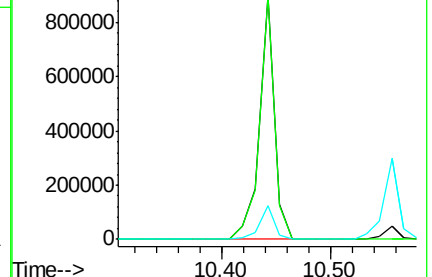
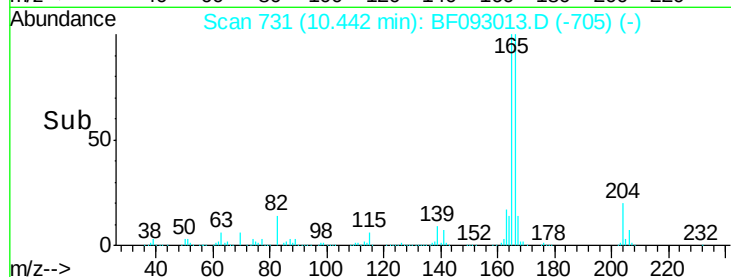
167 13.9 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.62 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Tgt Ion:232 Resp: 231101

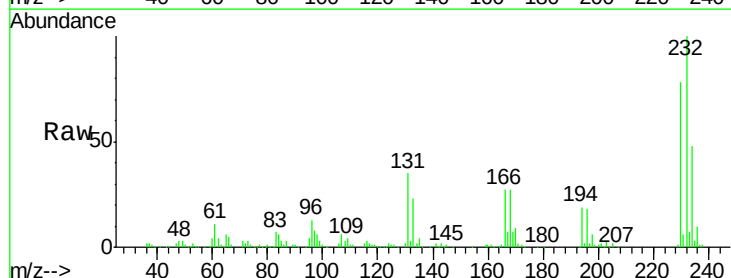
Ion Ratio Lower Upper

232 100

131 48.5 40.1 60.1

130 2.0 1.8 2.8

166 32.5 26.6 39.8

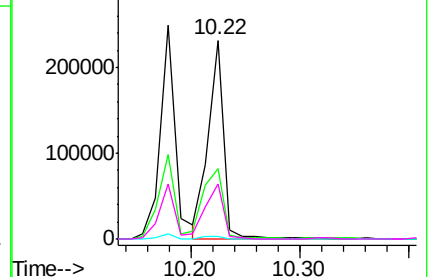
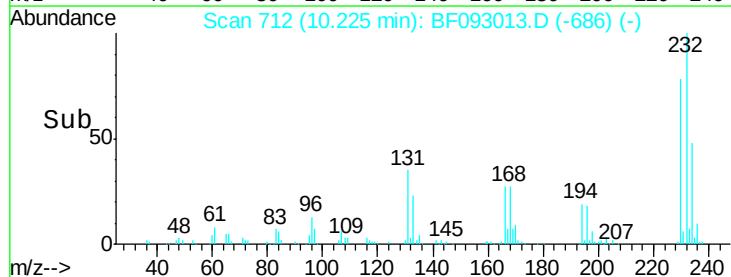


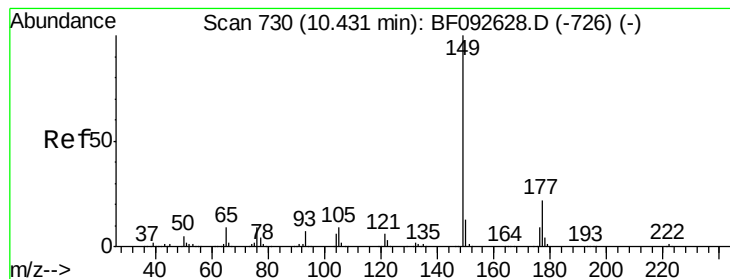
Abundance Ion 232.00 (231.70 to 232.70): E

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: 43.86 ng

RT: 10.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS

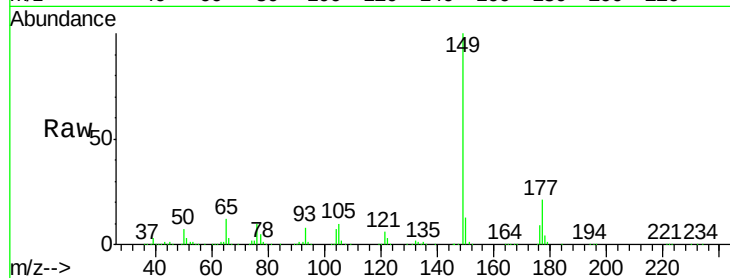
Tgt Ion:149 Resp: 1002310

Ion Ratio Lower Upper

149 100

177 20.8 16.6 25.0

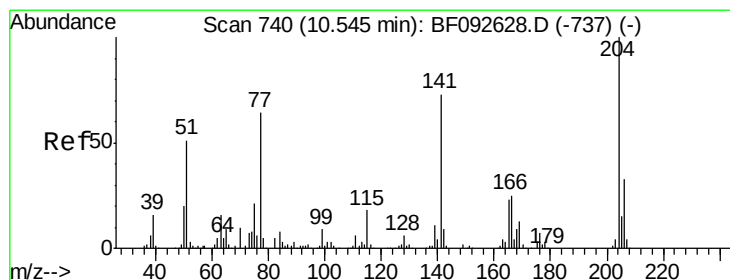
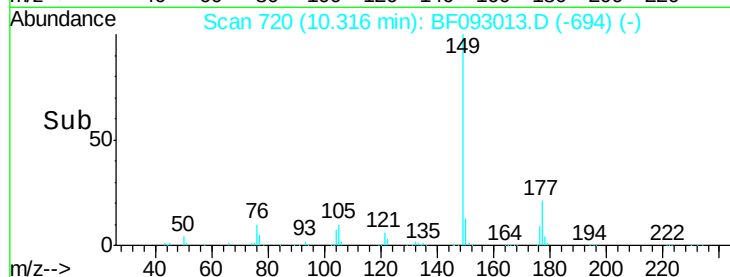
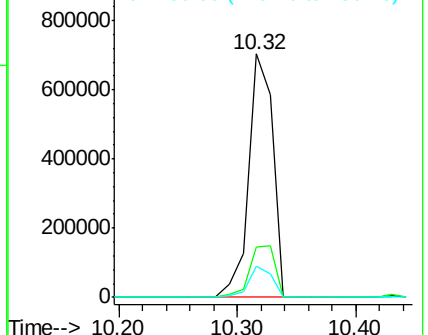
150 12.7 10.4 15.6



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: 37.65 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

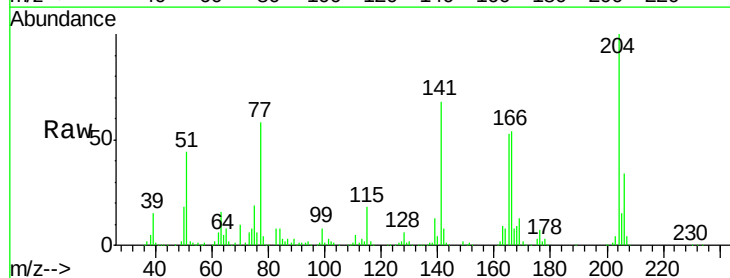
Tgt Ion:204 Resp: 392034

Ion Ratio Lower Upper

204 100

206 34.2 25.8 38.6

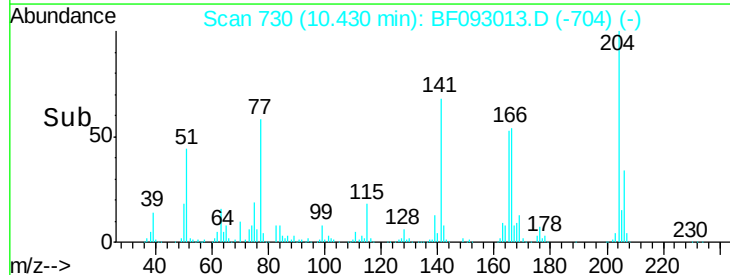
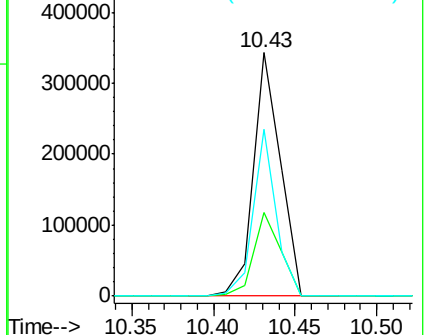
141 68.5 59.4 89.0

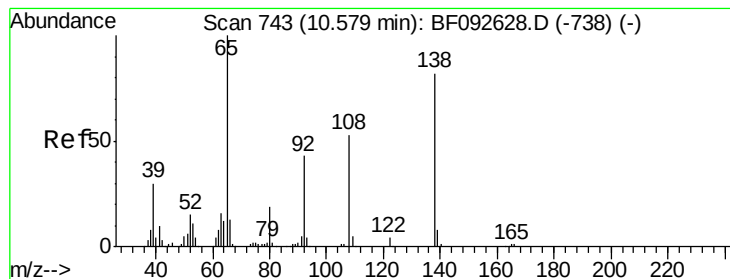


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

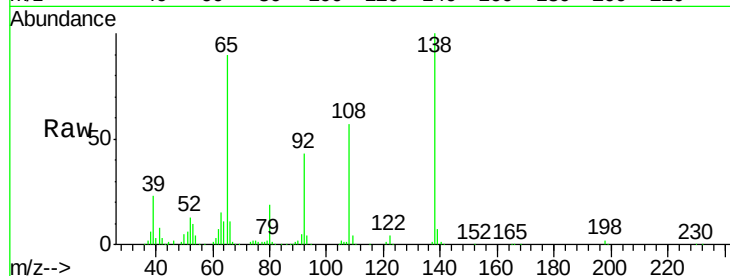




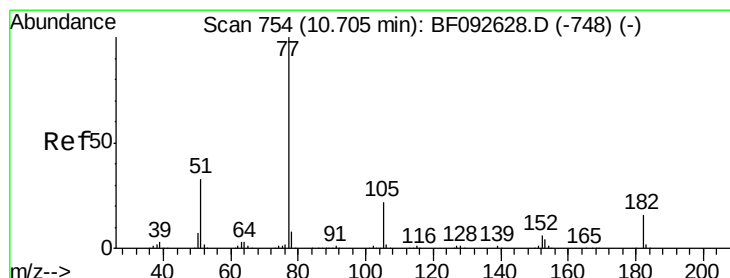
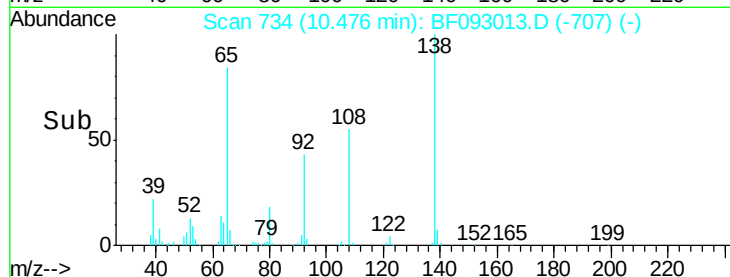
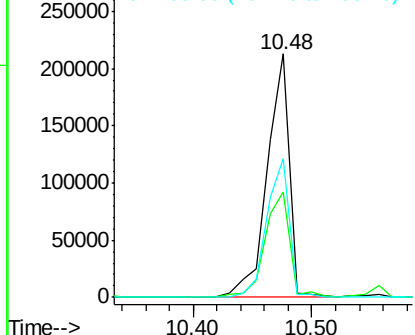
#61  
4-Nitroaniline  
Concen: 45.24 ng  
RT: 10.48 min Scan# 734  
Delta R.T. 0.01 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

Tgt Ion:138 Resp: 277676  
Ion Ratio Lower Upper  
138 100  
92 43.4 31.7 71.7  
108 56.9 52.6 92.6

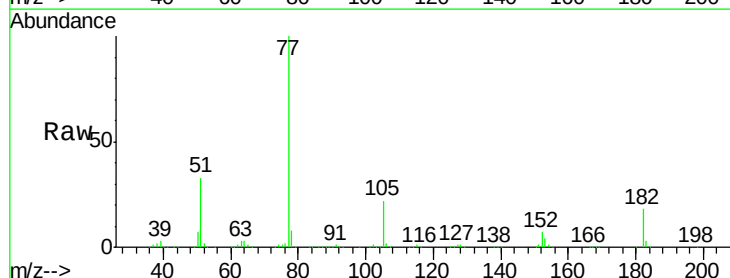


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

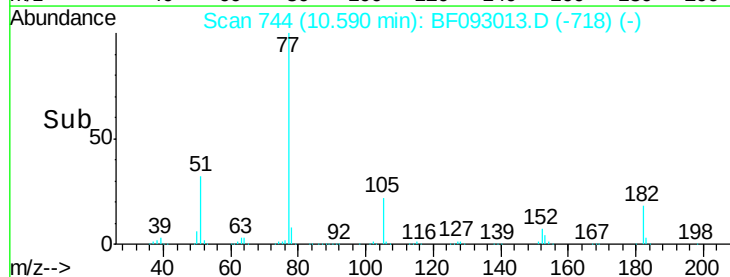
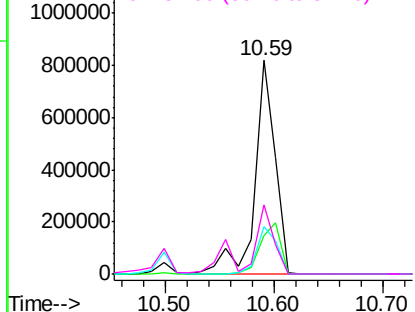


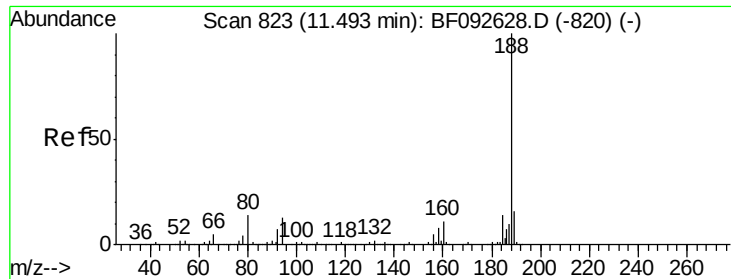
#62  
Azobenzene  
Concen: 45.45 ng  
RT: 10.59 min Scan# 744  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Tgt Ion: 77 Resp: 1073060  
Ion Ratio Lower Upper  
77 100  
182 18.1 0.0 39.3  
105 22.2 2.3 42.3  
51 32.6 8.9 48.9



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

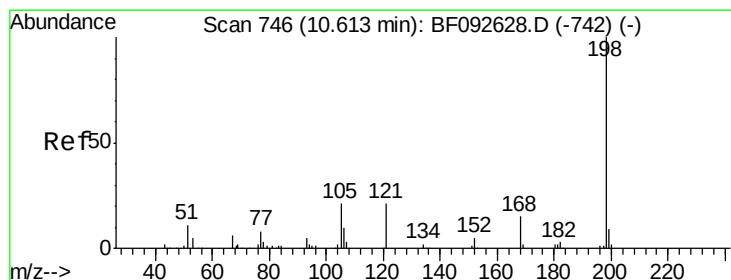
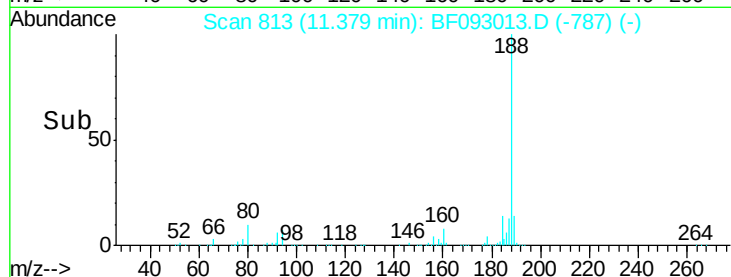
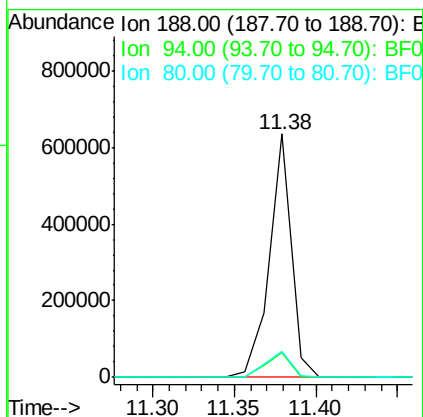
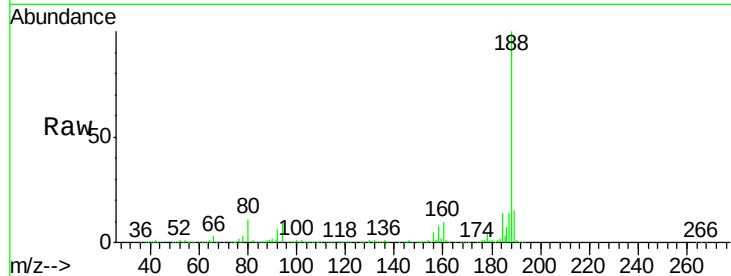




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.38 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

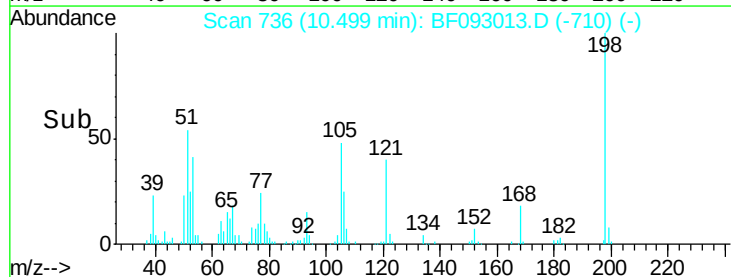
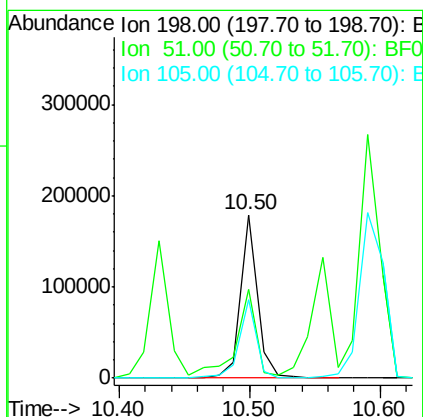
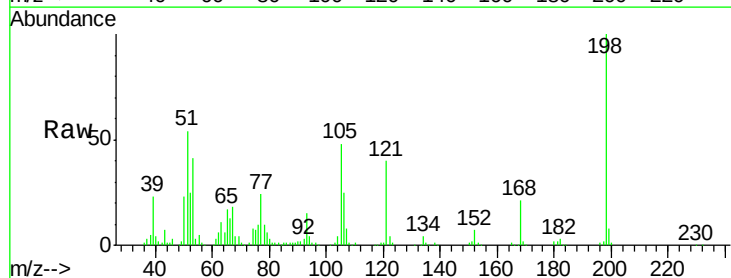
Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

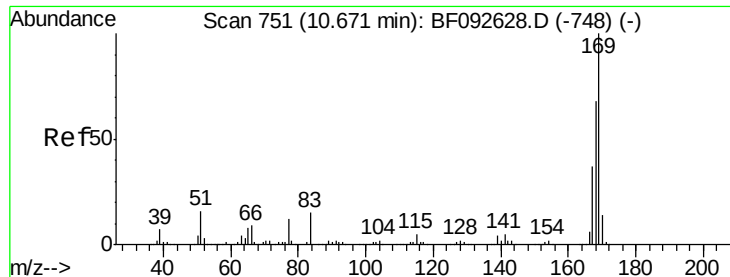
Tgt Ion:188 Resp: 598021  
Ion Ratio Lower Upper  
188 100  
94 10.3 10.0 15.0  
80 10.9 11.2 16.8#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 44.39 ng  
RT: 10.50 min Scan# 736  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Tgt Ion:198 Resp: 160813  
Ion Ratio Lower Upper  
198 100  
51 54.3 6.7 46.7#  
105 48.0 16.6 56.6





#65

n-Nitrosodiphenylamine

Concen: 40.61 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS

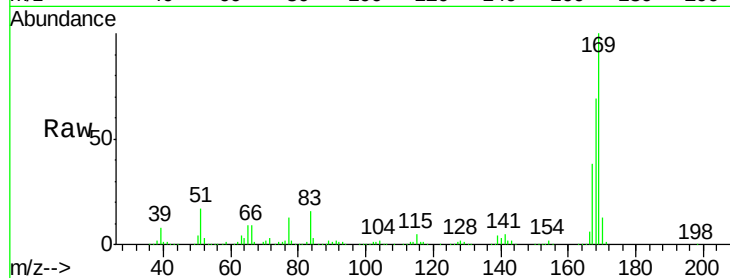
Tgt Ion:169 Resp: 775781

Ion Ratio Lower Upper

169 100

168 69.2 54.2 81.2

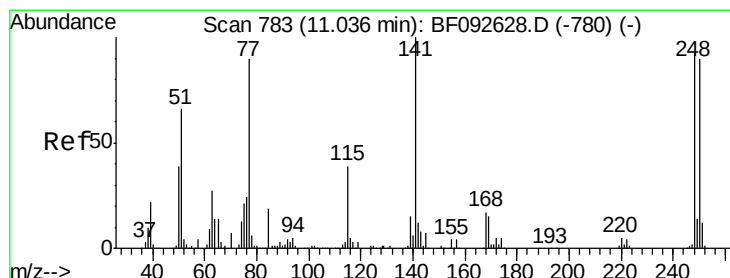
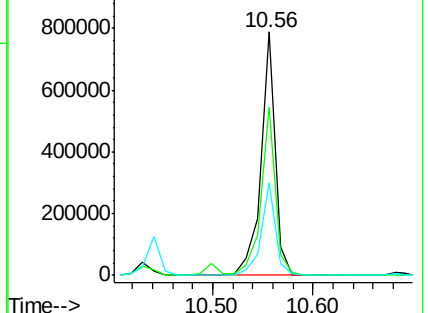
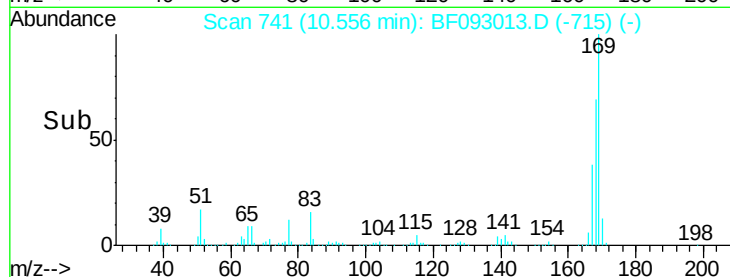
167 38.1 30.2 45.4



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: 39.56 ng

RT: 10.92 min Scan# 773

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

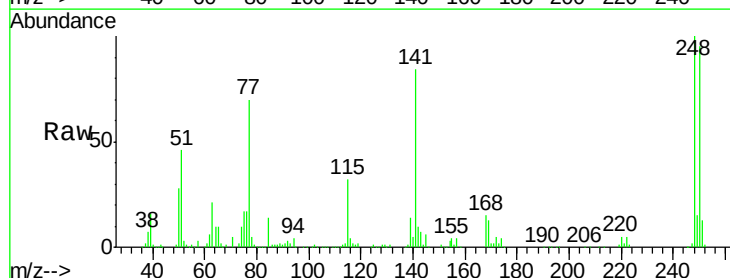
Tgt Ion:248 Resp: 247139

Ion Ratio Lower Upper

248 100

250 95.5 76.9 115.3

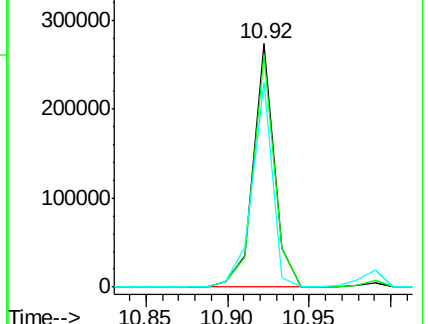
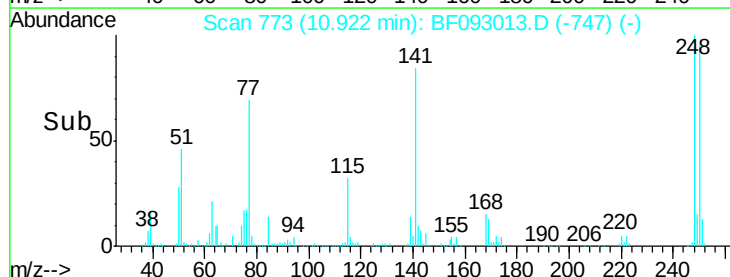
141 84.2 68.2 102.4

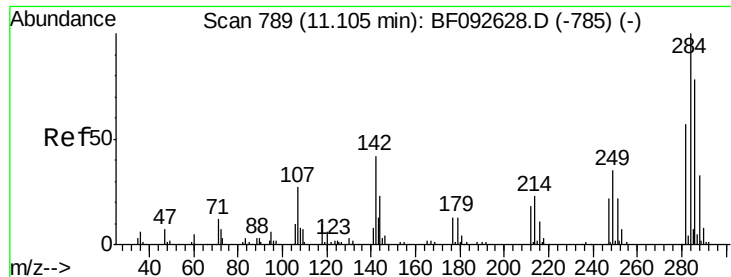


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

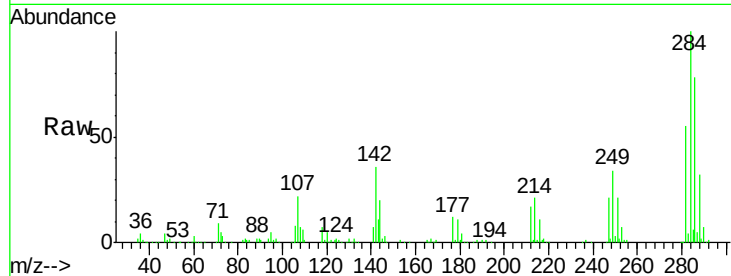




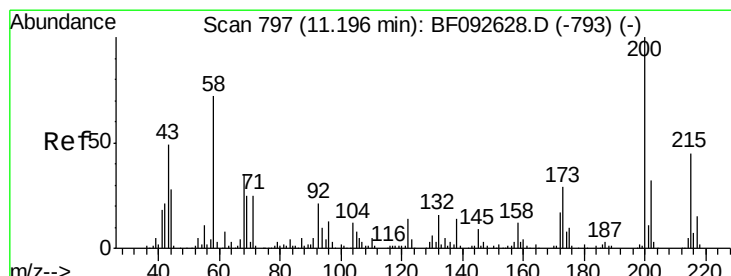
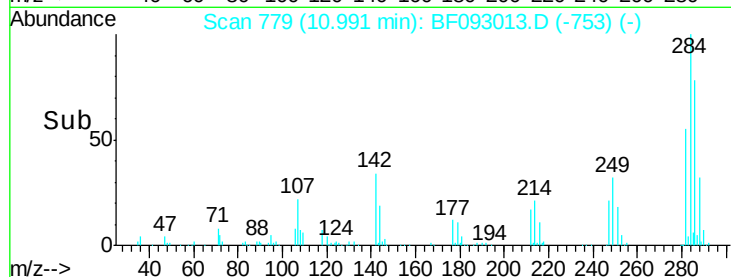
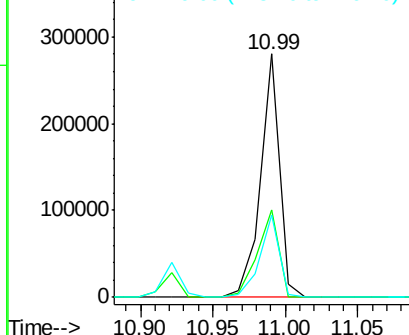
#67  
Hexachlorobenzene  
Concen: 41.17 ng  
RT: 10.99 min Scan# 779  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

Tgt Ion: 284 Resp: 254171  
Ion Ratio Lower Upper  
284 100  
142 36.0 22.6 33.8#  
249 33.6 25.4 38.0

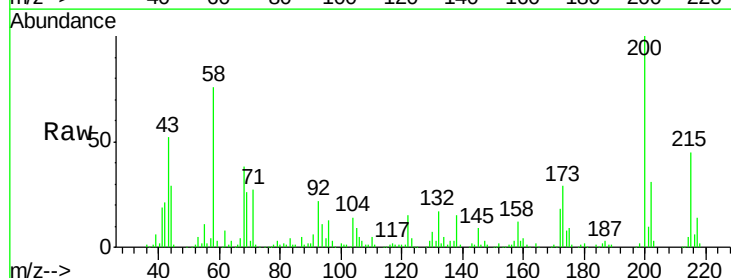


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

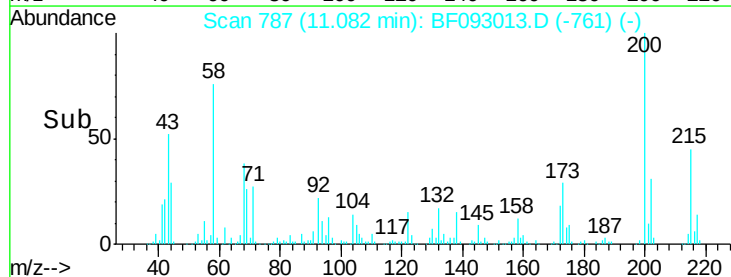
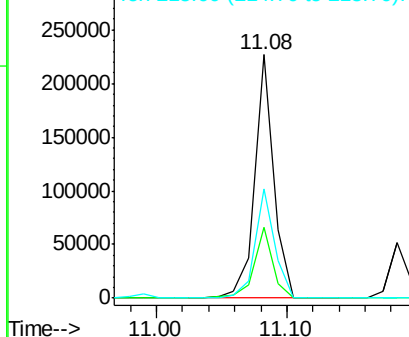


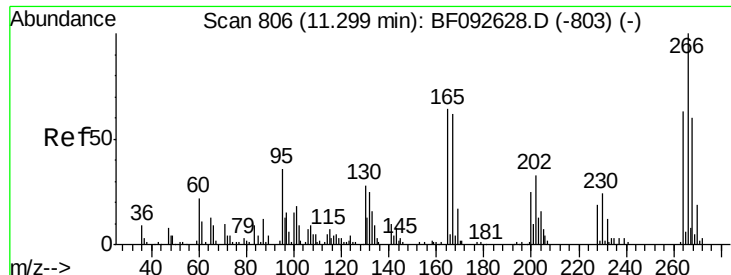
#68  
Atrazine  
Concen: 37.56 ng  
RT: 11.08 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Tgt Ion: 200 Resp: 230280  
Ion Ratio Lower Upper  
200 100  
173 29.2 9.6 49.6  
215 44.8 25.7 65.7



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

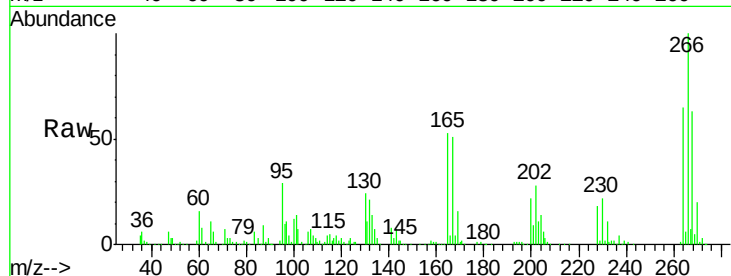




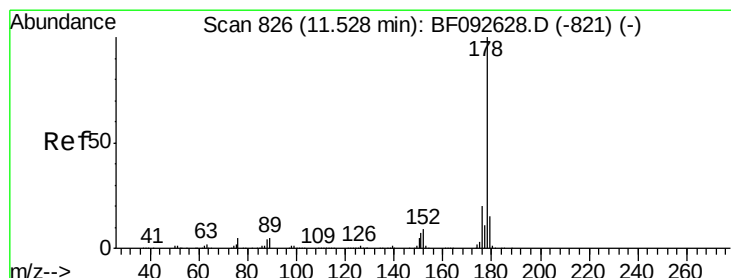
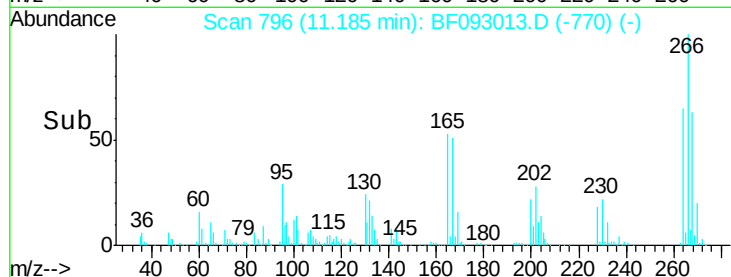
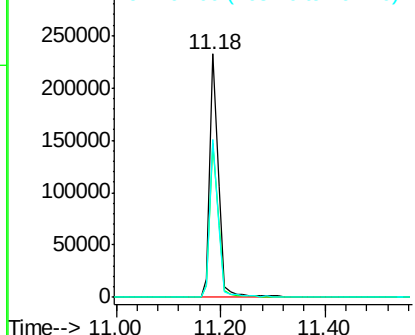
#69  
 Pentachlorophenol  
 Concen: 84.00 ng  
 RT: 11.18 min Scan# 796  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97007BS

Tgt Ion: 266 Resp: 268976  
 Ion Ratio Lower Upper  
 266 100  
 268 63.3 53.3 79.9  
 264 65.0 50.3 75.5

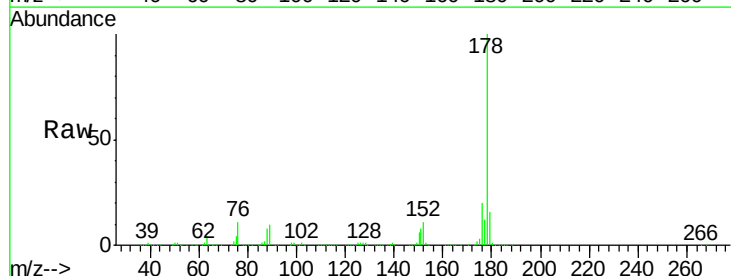


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

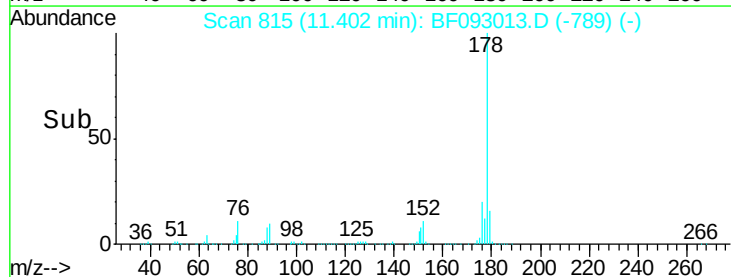
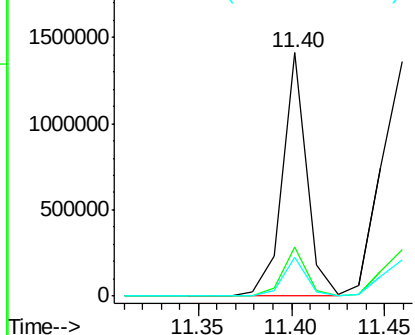


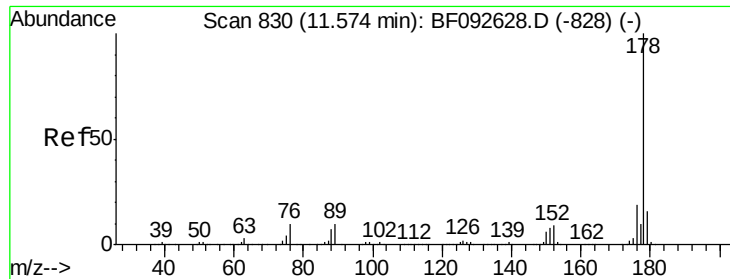
#70  
 Phenanthrene  
 Concen: 37.31 ng  
 RT: 11.40 min Scan# 815  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Tgt Ion: 178 Resp: 1278339  
 Ion Ratio Lower Upper  
 178 100  
 176 19.9 16.6 25.0  
 179 15.9 12.8 19.2



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

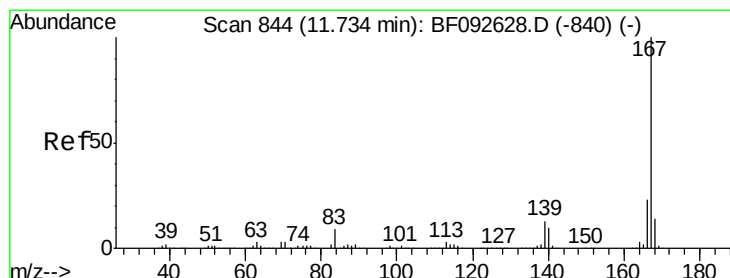
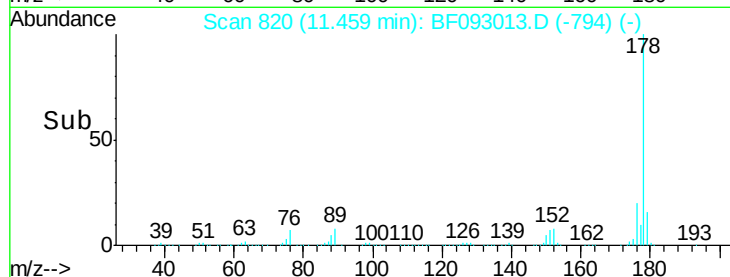
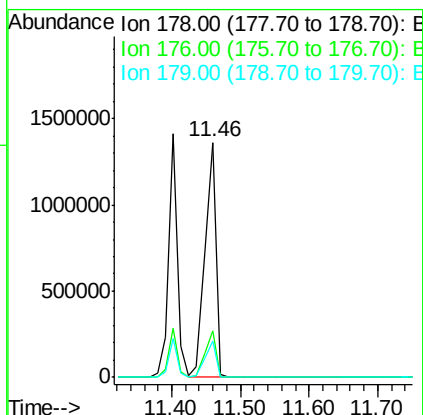
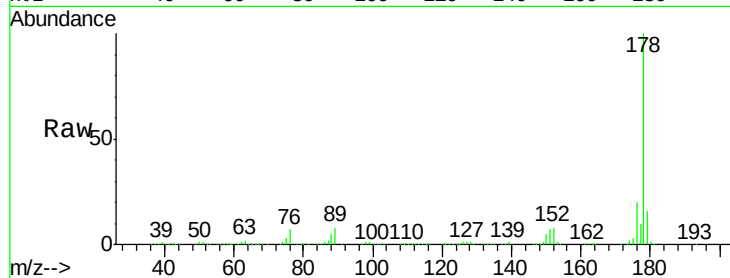




#71  
 Anthracene  
 Concen: 43.82 ng  
 RT: 11.46 min Scan# 820  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

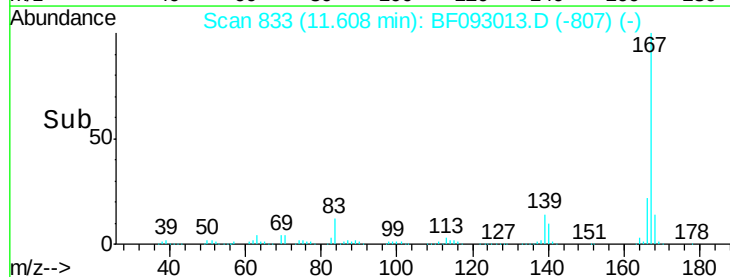
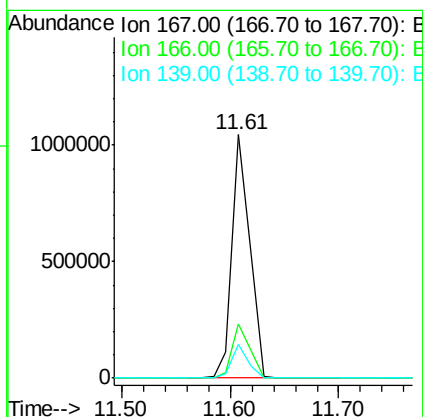
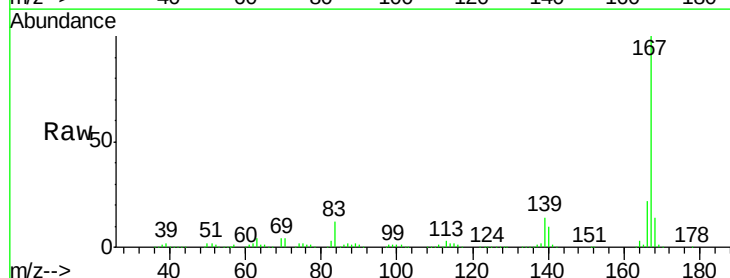
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97007BS

Tgt Ion:178 Resp: 1507828  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 15.9 23.9  
 179 15.6 13.2 19.8

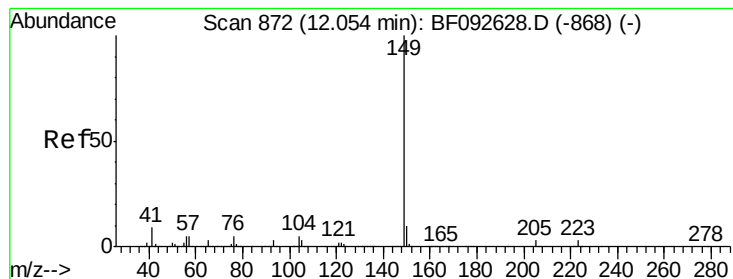


#72  
 Carbazole  
 Concen: 35.78 ng  
 RT: 11.61 min Scan# 833  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Tgt Ion:167 Resp: 1176823  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 18.2 27.2  
 139 13.8 11.4 17.2







#73

Di-n-butylphthalate

Concen: 42.60 ng

RT: 11.94 min Scan# 862

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS

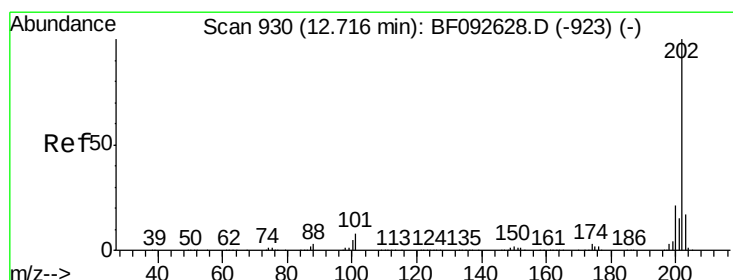
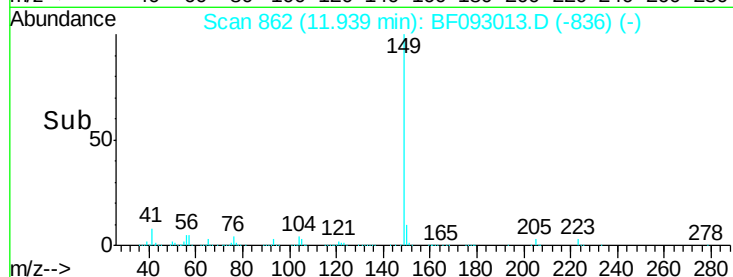
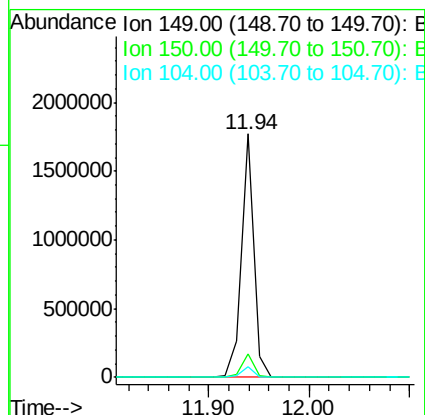
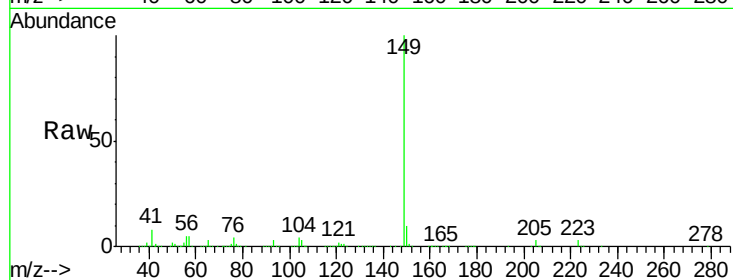
Tgt Ion:149 Resp: 1515394

Ion Ratio Lower Upper

149 100

150 9.6 8.1 12.1

104 4.4 4.6 7.0#



#74

Fluoranthene

Concen: 40.88 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

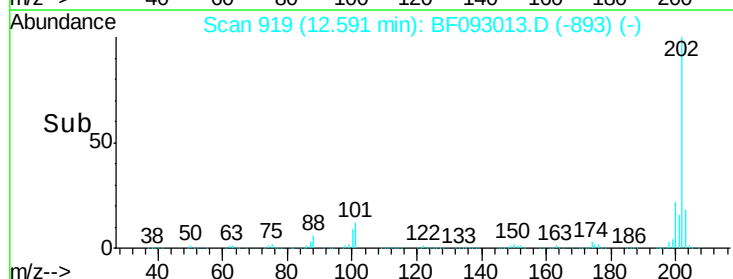
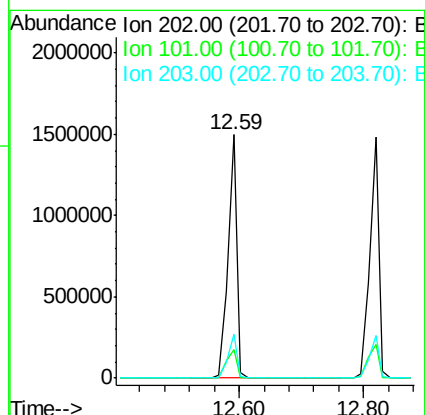
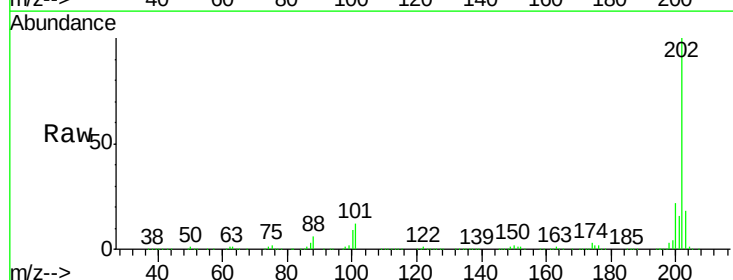
Tgt Ion:202 Resp: 1444727

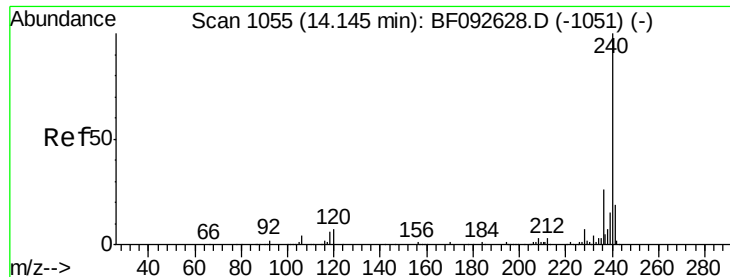
Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.6

203 17.8 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS

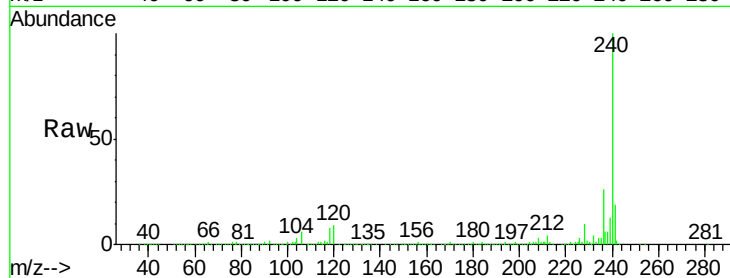
Tgt Ion:240 Resp: 489728

Ion Ratio Lower Upper

240 100

120 9.2 12.9 19.3#

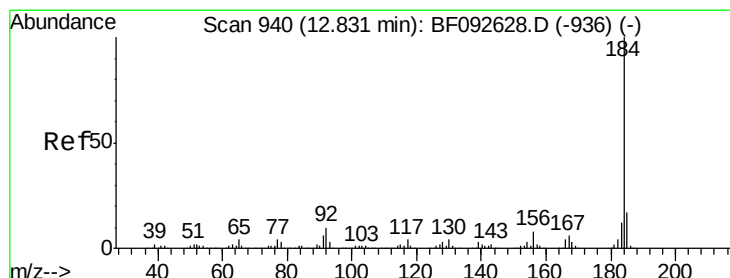
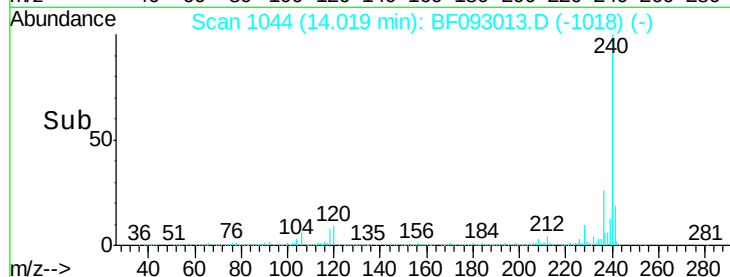
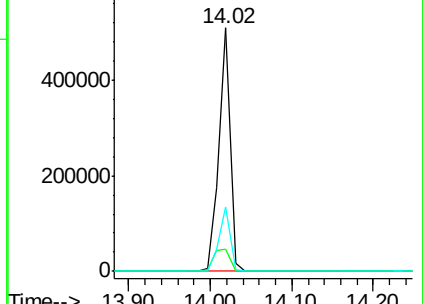
236 26.2 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 22.58 ng

RT: 12.70 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

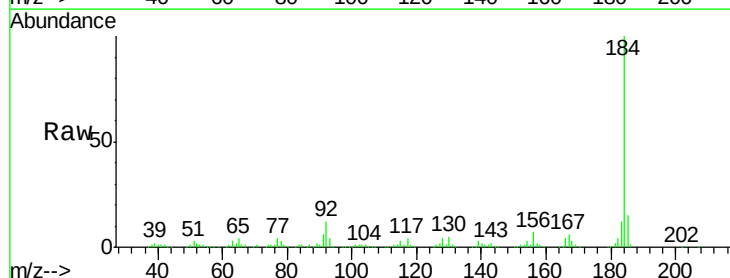
Tgt Ion:184 Resp: 471152

Ion Ratio Lower Upper

184 100

185 14.7 13.4 20.0

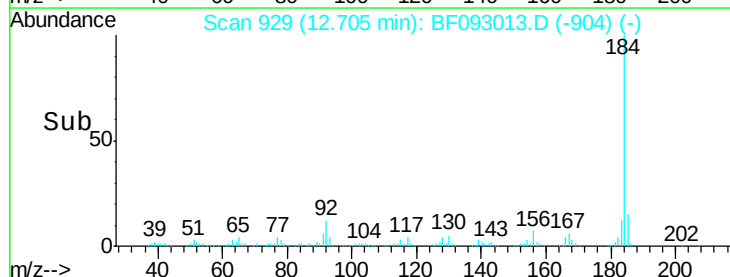
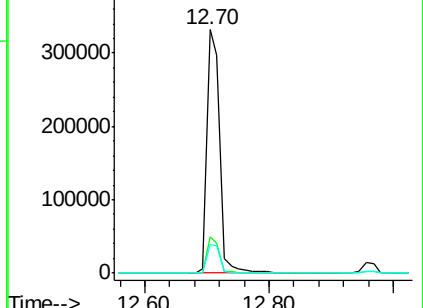
183 12.0 9.2 13.8

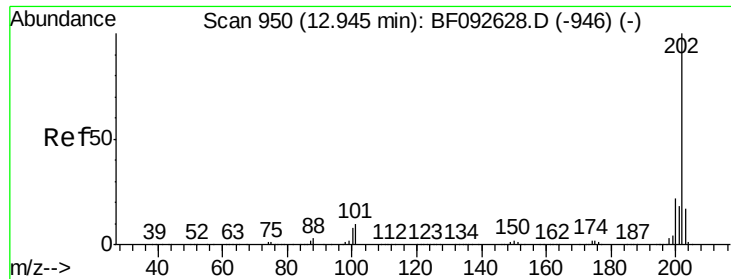


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



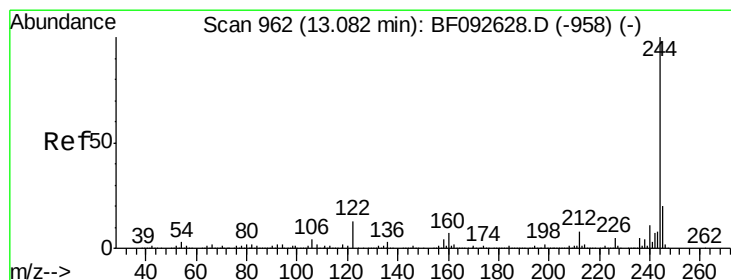
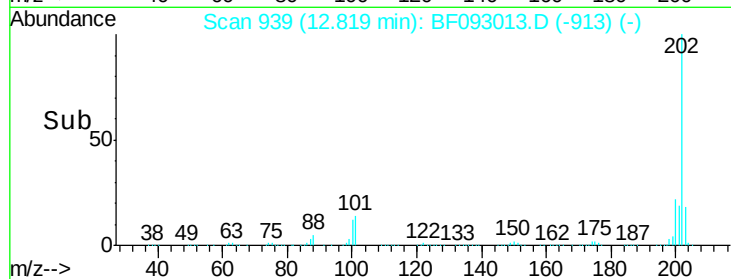
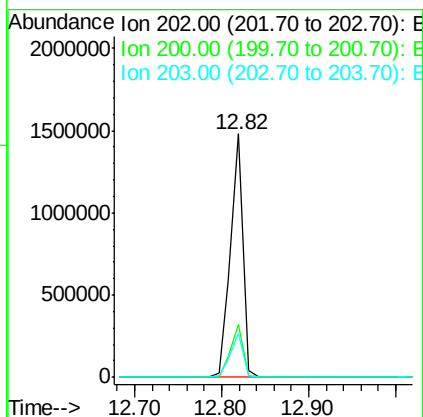
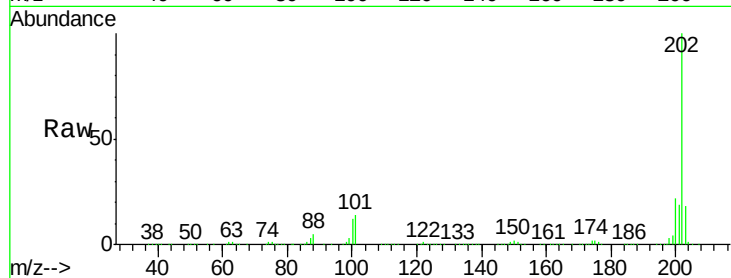


#77  
 Pyrene  
 Concen: 40.09 ng  
 RT: 12.82 min Scan# 939  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97007BS

Tgt Ion: 202 Resp: 1469111

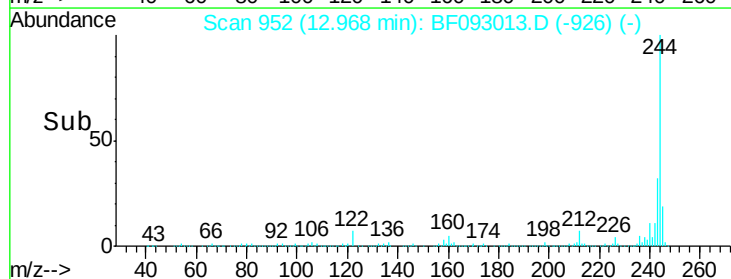
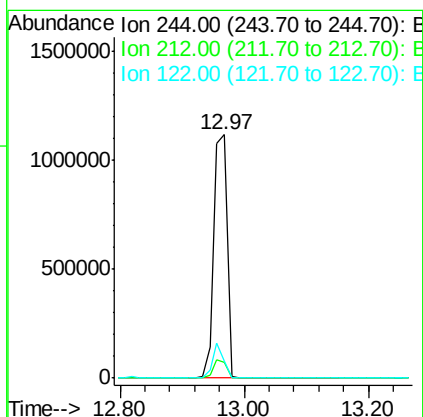
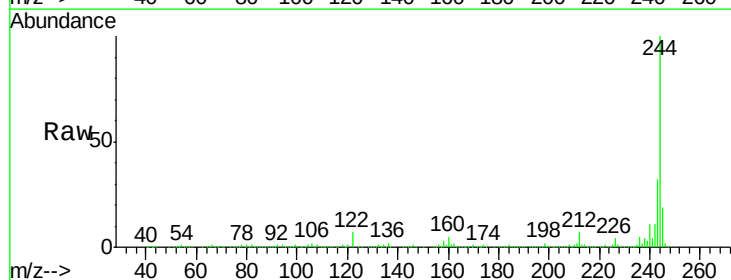
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.7  | 17.7  | 26.5  |
| 203 | 17.8  | 14.7  | 22.1  |

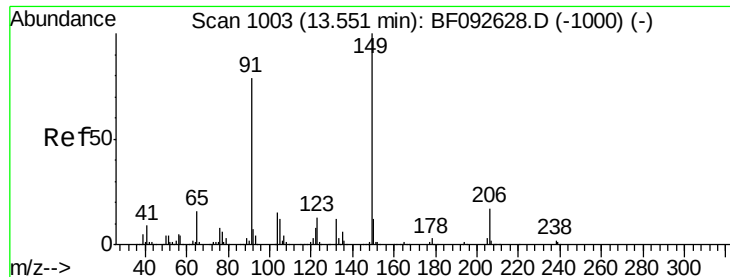


#78  
 Terphenyl-d14  
 Concen: 77.90 ng  
 RT: 12.97 min Scan# 952  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Tgt Ion: 244 Resp: 1623587

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.7   | 6.2   | 9.2   |
| 122 | 7.1   | 11.4  | 17.2  |

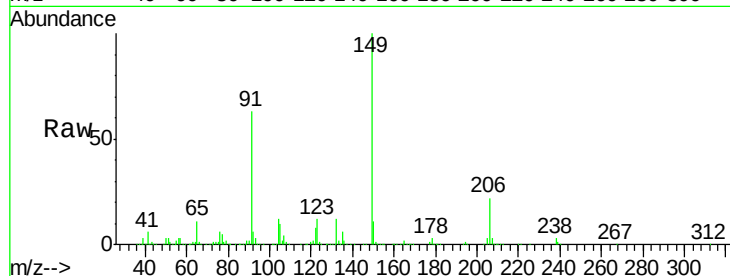




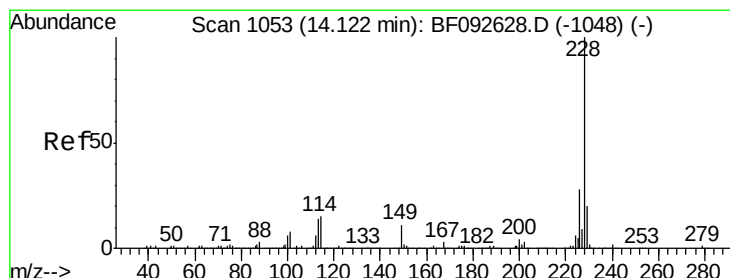
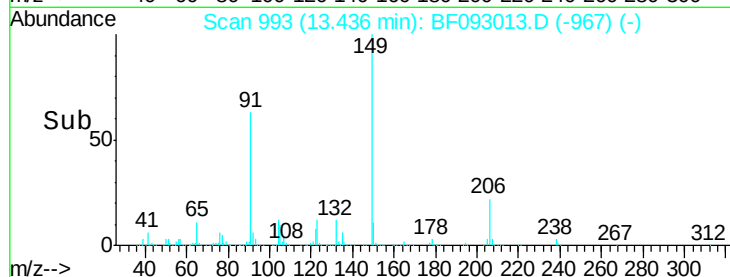
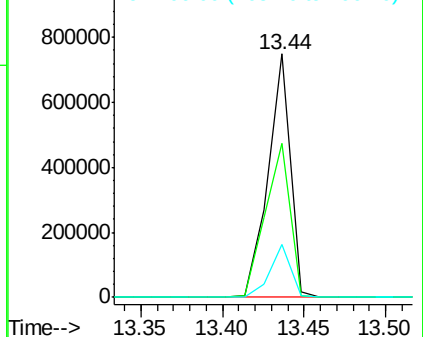
#79  
Butylbenzylphthalate  
Concen: 47.89 ng  
RT: 13.44 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

Tgt Ion:149 Resp: 712690  
Ion Ratio Lower Upper  
149 100  
91 63.5 63.9 95.9#  
206 21.6 14.6 21.8

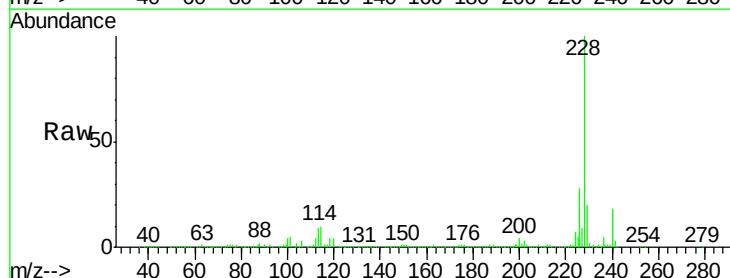


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

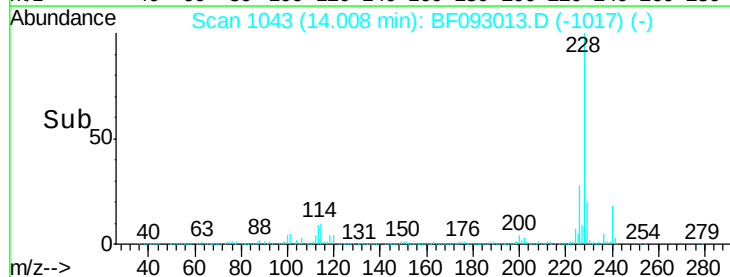
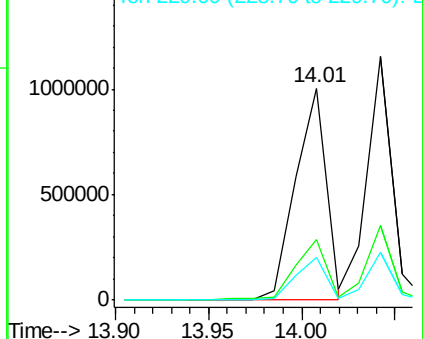


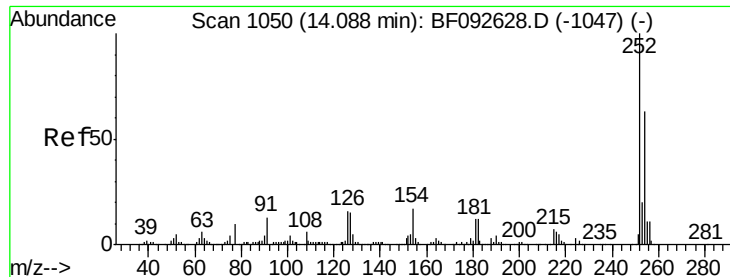
#80  
Benzo(a)anthracene  
Concen: 38.71 ng  
RT: 14.01 min Scan# 1043  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Tgt Ion:228 Resp: 1159577  
Ion Ratio Lower Upper  
228 100  
226 28.3 22.4 33.6  
229 19.9 16.2 24.4



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

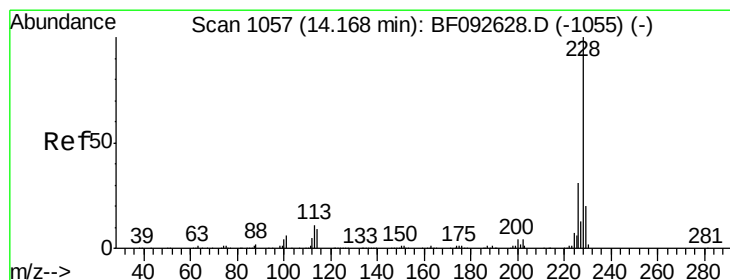
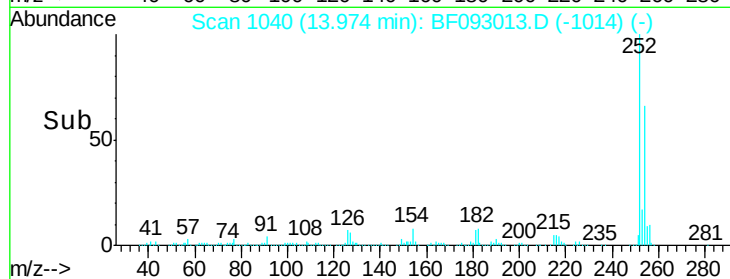
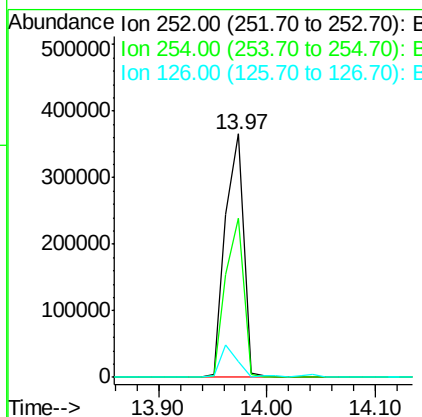
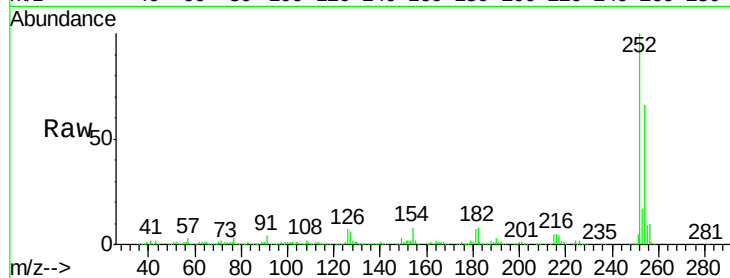




#81  
 3,3'-Dichlorobenzidine  
 Concen: 40.34 ng  
 RT: 13.97 min Scan# 1040  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

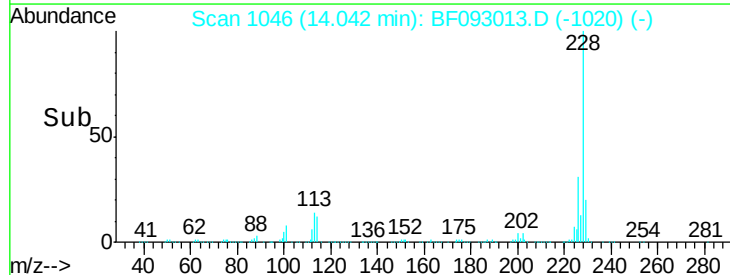
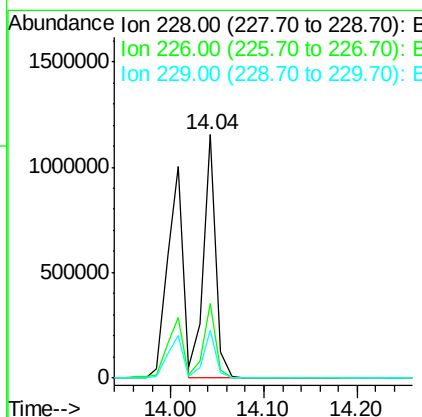
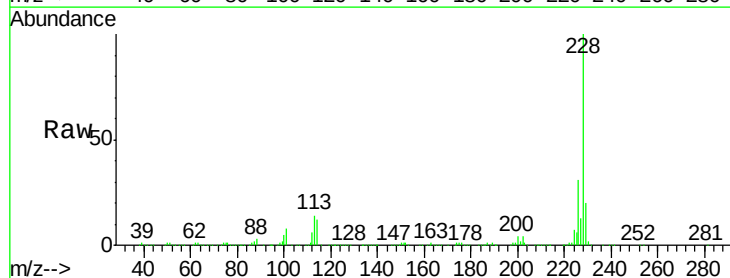
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97007BS

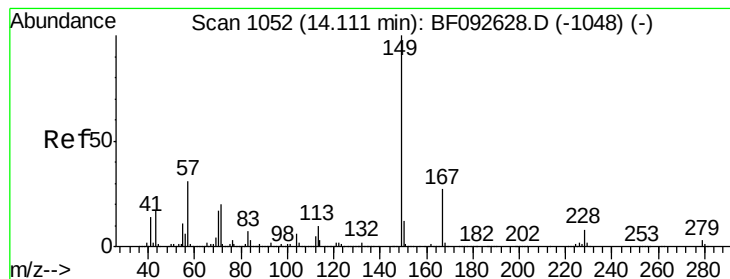
Tgt Ion:252 Resp: 430665  
 Ion Ratio Lower Upper  
 252 100  
 254 65.5 52.3 78.5  
 126 6.5 13.6 20.4#



#82  
 Chrysene  
 Concen: 38.16 ng  
 RT: 14.04 min Scan# 1046  
 Delta R.T. -0.00 min  
 Lab File: BF093013.D  
 Acq: 17 Feb 2017 16:30

Tgt Ion:228 Resp: 1070040  
 Ion Ratio Lower Upper  
 228 100  
 226 30.7 25.4 38.0  
 229 19.8 16.2 24.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.77 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS

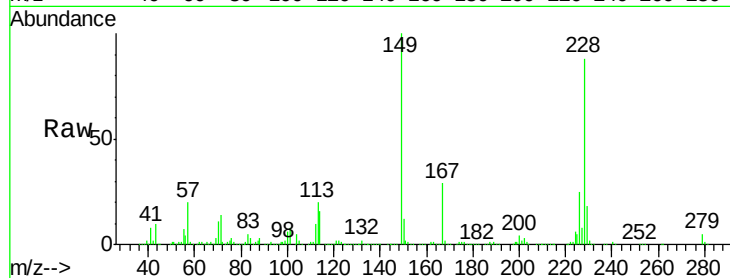
Tgt Ion:149 Resp: 890824

Ion Ratio Lower Upper

149 100

167 28.5 20.2 30.4

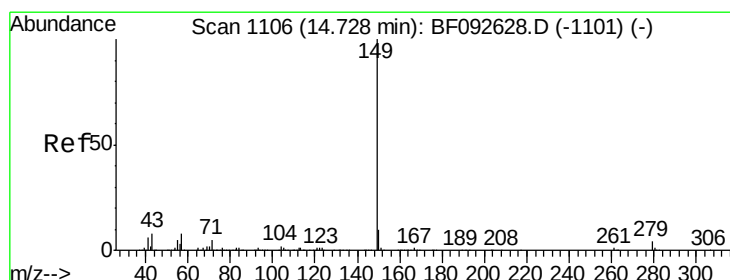
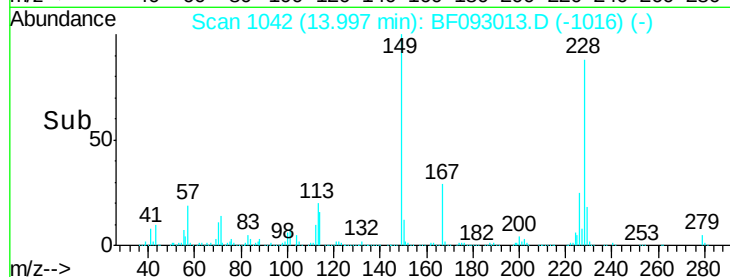
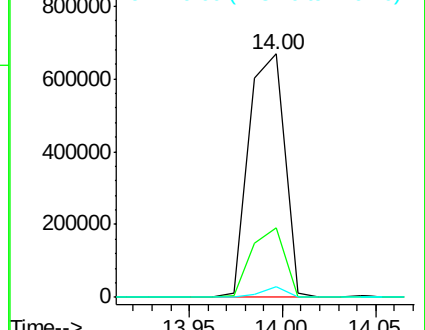
279 4.6 1.8 2.8#



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: 46.77 ng

RT: 14.60 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

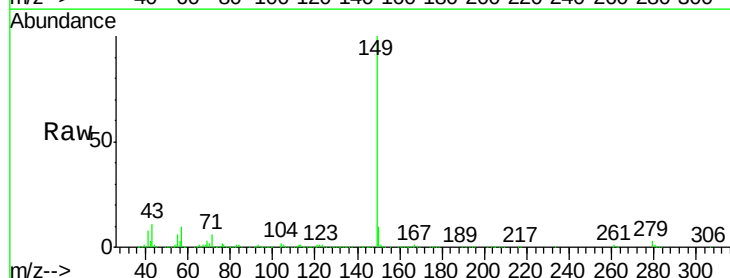
Tgt Ion:149 Resp: 1550223

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

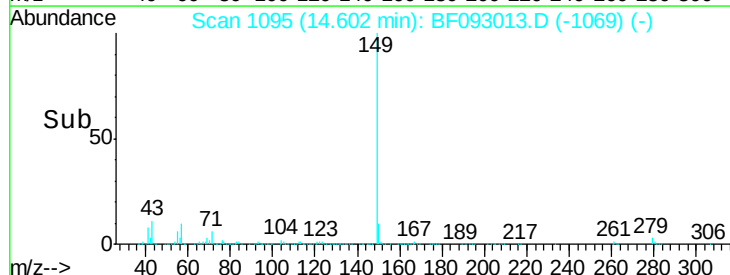
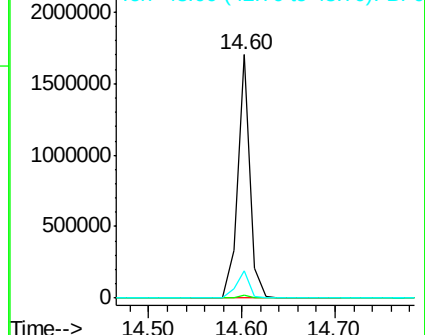
43 11.6 8.9 13.3

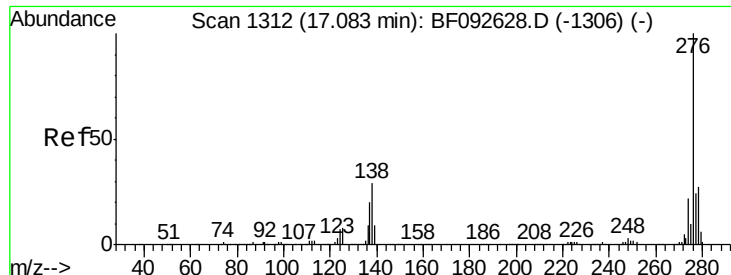


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

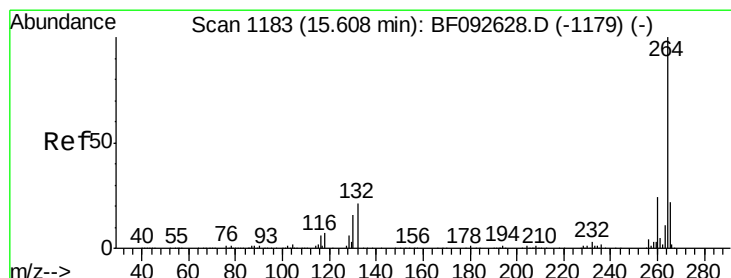
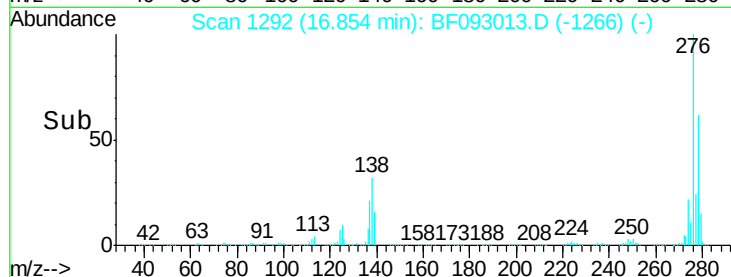
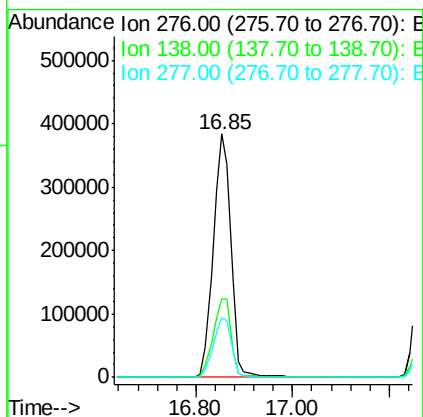
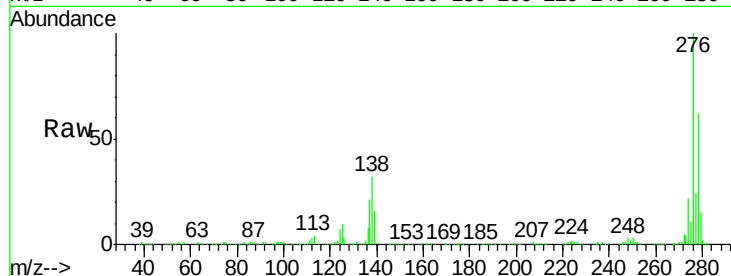




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 45.54 ng  
RT: 16.85 min Scan# 1292  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

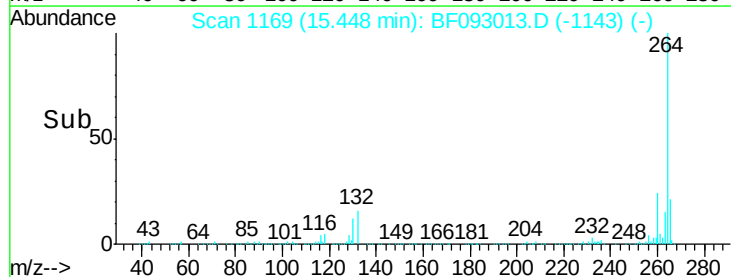
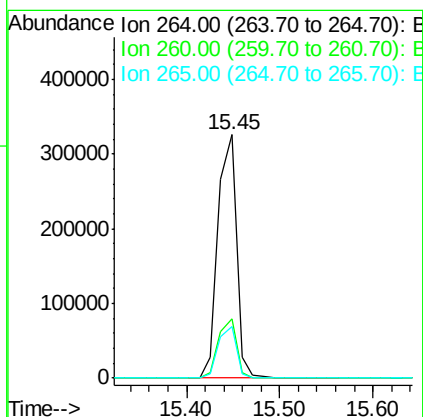
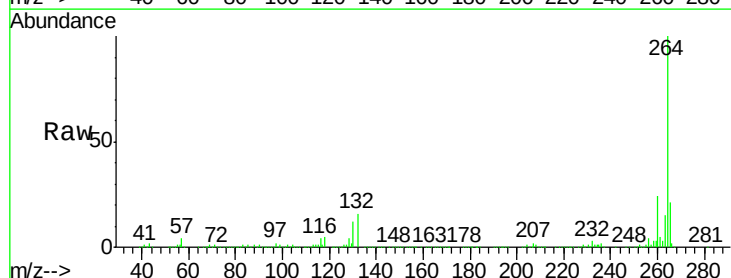
Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

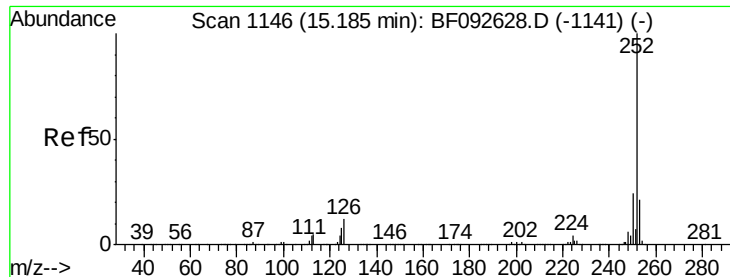
Tgt Ion: 276 Resp: 989291  
Ion Ratio Lower Upper  
276 100  
138 33.0 21.8 32.6#  
277 25.4 20.2 30.4



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.45 min Scan# 1169  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Tgt Ion: 264 Resp: 451813  
Ion Ratio Lower Upper  
264 100  
260 24.4 19.2 28.8  
265 21.3 17.4 26.0

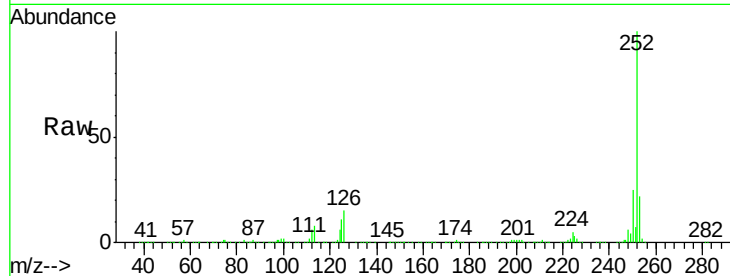




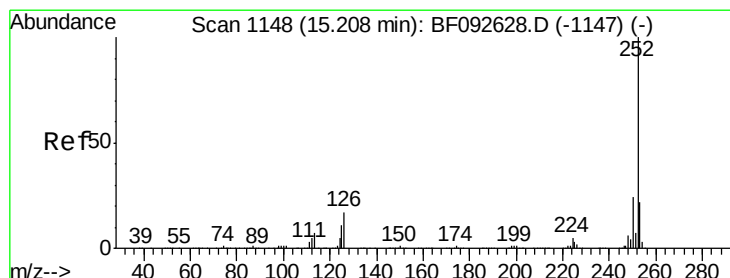
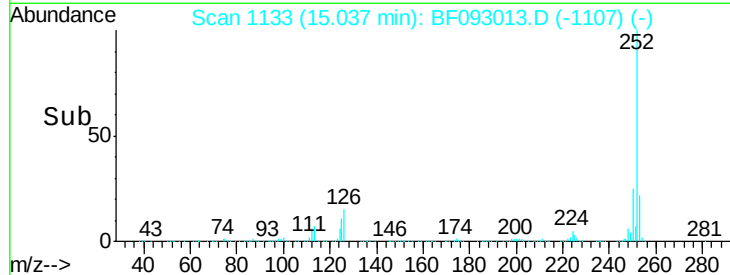
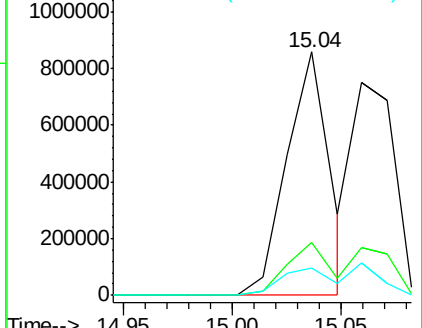
#87  
Benzo(b)fluoranthene  
Concen: 39.39 ng  
RT: 15.04 min Scan# 1133  
Delta R.T. -0.00 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB97007BS

Tgt Ion:252 Resp: 1171451  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.2 27.4  
125 11.4 9.8 14.6

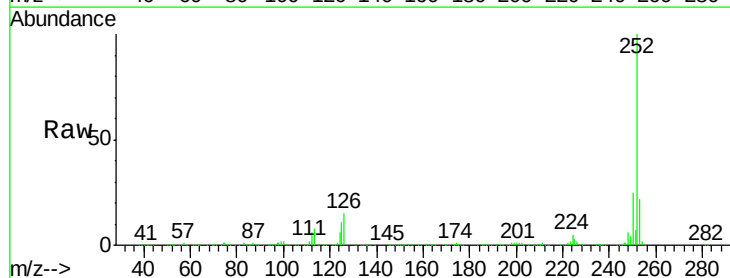


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

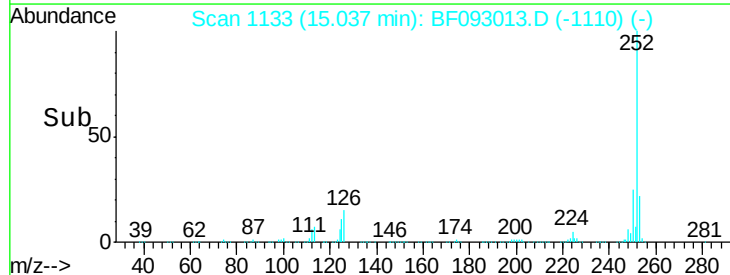
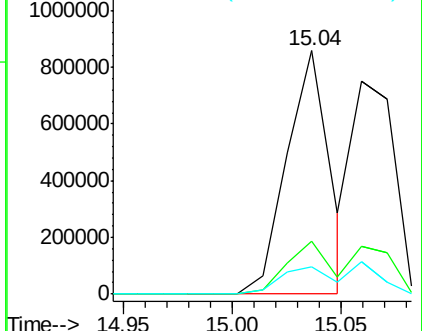


#88  
Benzo(k)fluoranthene  
Concen: 45.62 ng  
RT: 15.04 min Scan# 1133  
Delta R.T. -0.03 min  
Lab File: BF093013.D  
Acq: 17 Feb 2017 16:30

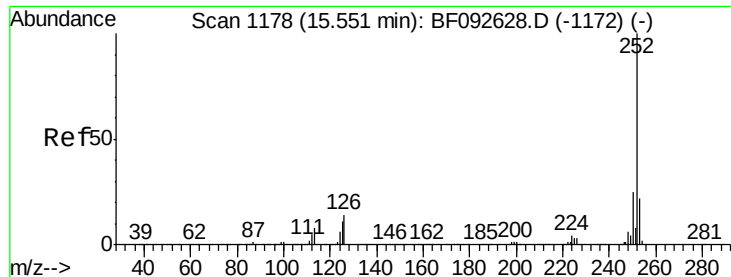
Tgt Ion:252 Resp: 1171451  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.5 27.7  
125 11.4 8.9 13.3



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







#89

Benzo(a)pyrene

Concen: 41.87 ng

RT: 15.39 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS

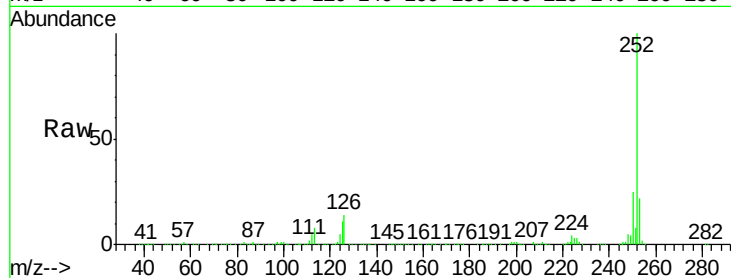
Tgt Ion:252 Resp: 1077083

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

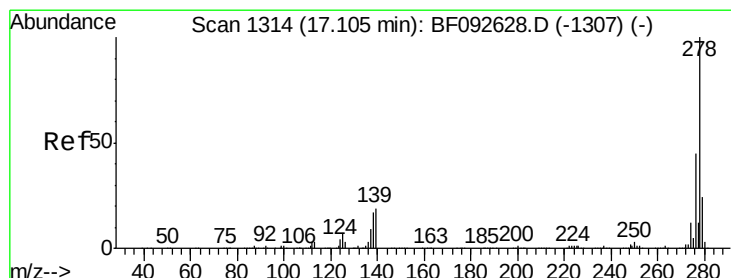
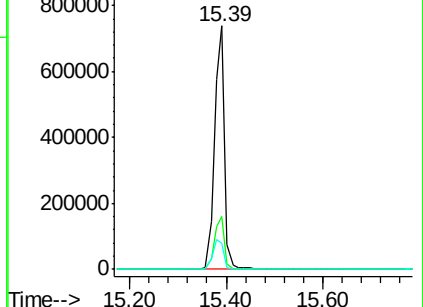
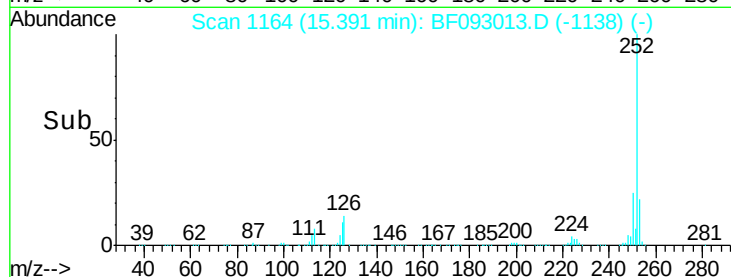
125 10.6 10.0 15.0



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: 39.49 ng

RT: 16.87 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF093013.D

Acq: 17 Feb 2017 16:30

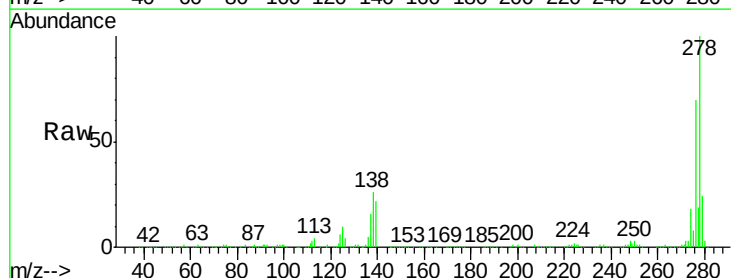
Tgt Ion:278 Resp: 821054

Ion Ratio Lower Upper

278 100

139 22.0 14.8 22.2

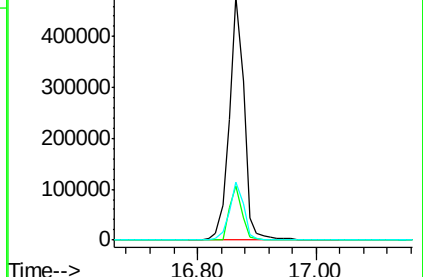
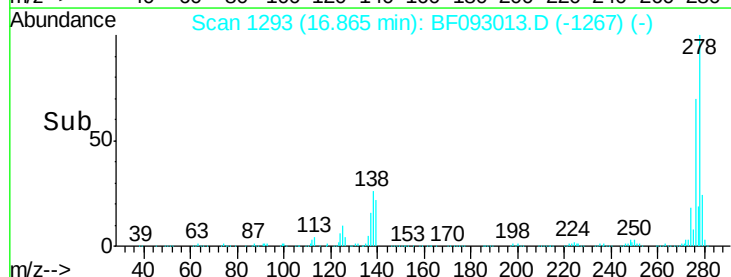
279 23.7 19.8 29.6

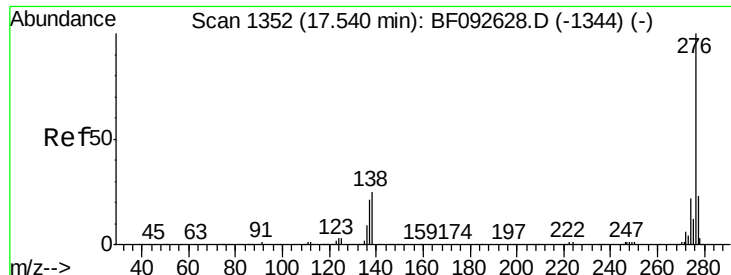


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 39.32 ng

RT: 17.28 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF093013.D

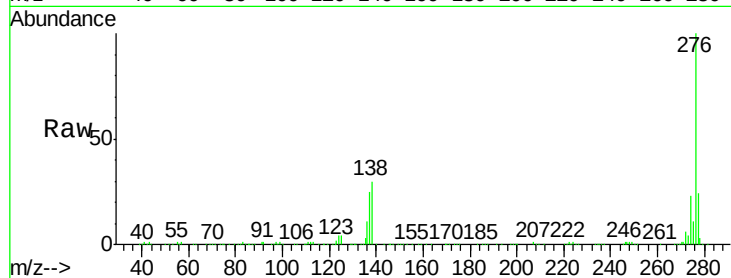
Acq: 17 Feb 2017 16:30

Instrument :

BNA\_F

ClientSampleId :

PB97007BS



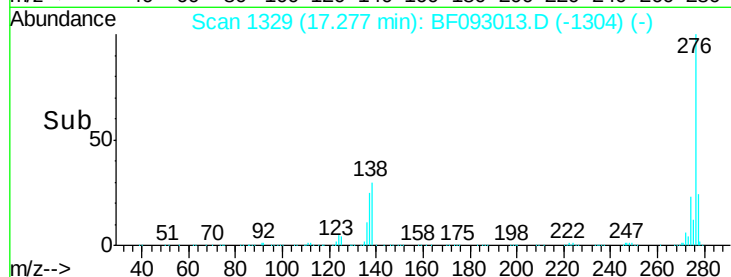
Tgt Ion: 276 Resp: 825787

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 30.0 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

