

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121418\  
 Data File : BF111437.D  
 Acq On : 14 Dec 2018 23:44  
 Operator : JU/SJ  
 Sample : J6233-03MS  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-2MS

Quant Time: Dec 15 00:15:41 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 14 13:26:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 215286   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.08  | 136  | 886197   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.83  | 164  | 363114   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.32 | 188  | 538758   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.96 | 240  | 396936   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.39 | 264  | 291706   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.43  | 112  | 1281308  | 99.04  | ng    | 0.01     |
| 7) Phenol-d6                | 6.45  | 99   | 1651015  | 95.94  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 1308347  | 87.92  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.62 | 330  | 340268   | 104.61 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 2093176  | 89.04  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.90 | 244  | 1509551  | 89.30  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.54 | 88   | 167776   | 26.851 | ng    | 98     |
| 3) Pyridine                    | 3.28 | 79   | 398297   | 25.380 | ng    | 91     |
| 4) n-Nitrosodimethylamine      | 3.22 | 42   | 247919   | 34.780 | ng    | 86     |
| 6) Aniline                     | 6.46 | 93   | 550547   | 25.791 | ng    | # 8    |
| 8) 2-Chlorophenol              | 6.59 | 128  | 489569   | 31.671 | ng    | 98     |
| 9) Benzaldehyde                | 6.34 | 77   | 240215   | 23.013 | ng    | 100    |
| 10) Phenol                     | 6.46 | 94   | 679761   | 35.459 | ng    | # 74   |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93   | 450627   | 29.986 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 6.74 | 146  | 609795   | 35.836 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 6.82 | 146  | 628138   | 36.368 | ng    | 97     |
| 14) 1,2-Dichlorobenzene        | 6.97 | 146  | 622030   | 38.282 | ng    | 99     |
| 15) Benzyl Alcohol             | 6.94 | 79   | 526453   | 40.205 | ng    | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45   | 1113141  | 37.937 | ng    | 97     |
| 17) 2-Methylphenol             | 7.06 | 107  | 507462   | 40.791 | ng    | 96     |
| 18) Hexachloroethane           | 7.31 | 117  | 214031   | 33.298 | ng    | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70   | 431877   | 38.039 | ng    | 96     |
| 20) 3+4-Methylphenols          | 7.21 | 107  | 620551   | 39.765 | ng    | # 87   |
| 22) Acetophenone               | 7.20 | 105  | 856372   | 43.289 | ng    | # 89   |
| 24) Nitrobenzene               | 7.38 | 77   | 644029   | 42.423 | ng    | 93     |
| 25) Isophorone                 | 7.62 | 82   | 1179765  | 46.852 | ng    | 97     |
| 26) 2-Nitrophenol              | 7.69 | 139  | 290894   | 36.948 | ng    | 97     |
| 27) 2,4-Dimethylphenol         | 7.74 | 122  | 551428   | 48.313 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93   | 759545   | 43.694 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 7.94 | 162  | 502591   | 41.250 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180  | 492612   | 38.622 | ng    | 99     |
| 31) Naphthalene                | 8.10 | 128  | 1757264  | 42.395 | ng    | 96     |
| 32) Benzoic acid               | 7.84 | 122  | 129106   | 13.090 | ng    | 96     |
| 33) 4-Chloroaniline            | 8.15 | 127  | 636371   | 34.526 | ng    | 94     |
| 34) Hexachlorobutadiene        | 8.22 | 225  | 261892   | 37.269 | ng    | 97     |
| 35) Caprolactam                | 8.52 | 113  | 158421   | 35.021 | ng    | 95     |
| 36) 4-Chloro-3-methylphenol    | 8.64 | 107  | 509105   | 37.961 | ng    | 98     |
| 37) 2-Methylnaphthalene        | 8.79 | 142  | 1144548  | 40.807 | ng    | 99     |
| 38) 1-Methylnaphthalene        | 8.89 | 142  | 1070546  | 39.509 | ng    | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216  | 428356   | 43.016 | ng    | 99     |

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 QLast Update : Fri Dec 14 13:26:17 2018  
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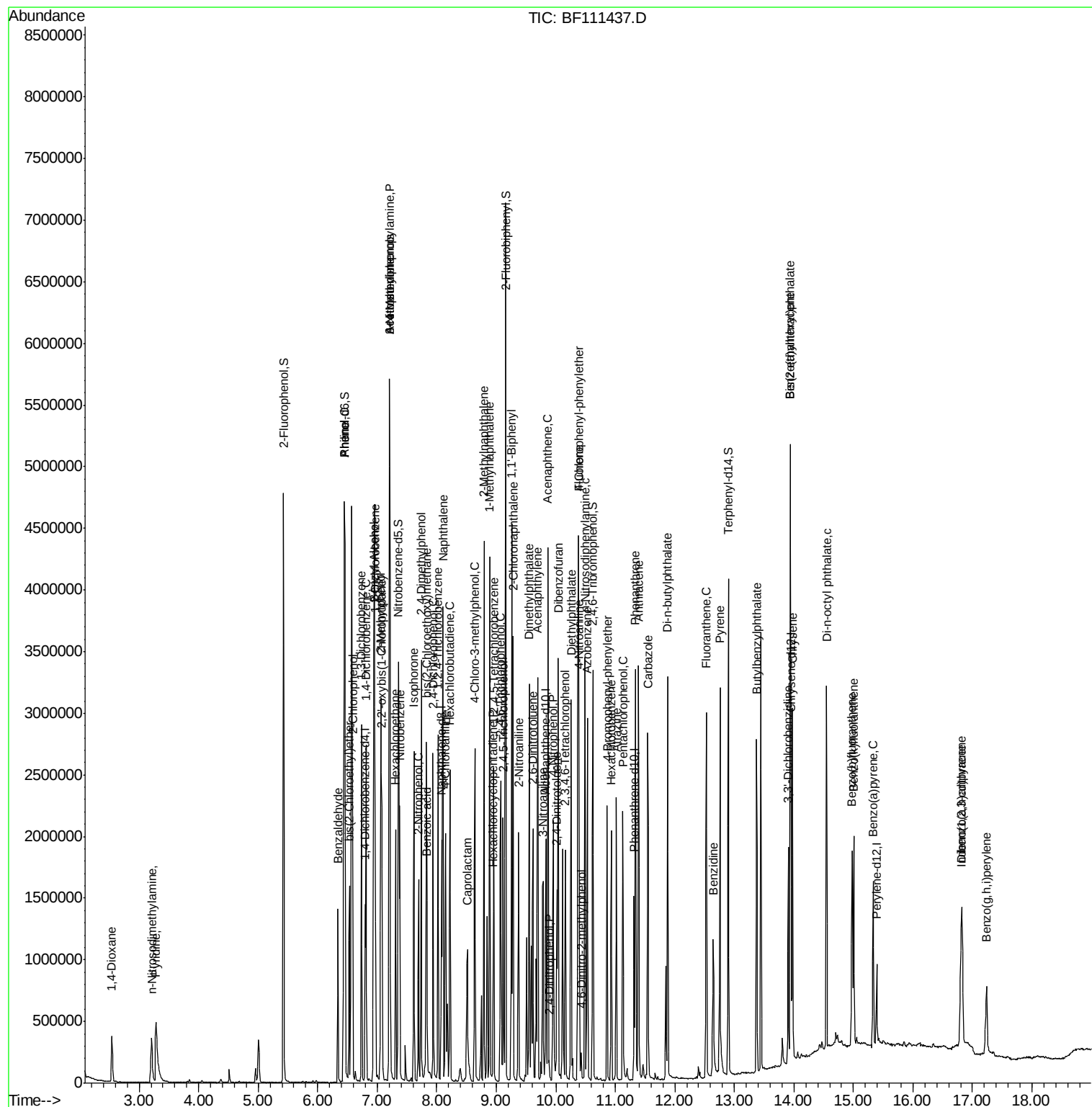
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.95  | 237  | 80494    | 15.744 | ng    | 94       |
| 43) 2,4,6-Trichlorophenol      | 9.07  | 196  | 301042   | 42.714 | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 9.12  | 196  | 311058   | 41.475 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.26  | 154  | 1281660  | 41.657 | ng    | 94       |
| 47) 2-Chloronaphthalene        | 9.28  | 162  | 981051   | 41.949 | ng    | 97       |
| 48) 2-Nitroaniline             | 9.37  | 65   | 320093   | 42.154 | ng    | 91       |
| 49) Acenaphthylene             | 9.70  | 152  | 1523676  | 43.892 | ng    | 94       |
| 50) Dimethylphthalate          | 9.56  | 163  | 1324255  | 50.639 | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 9.62  | 165  | 230284   | 39.122 | ng    | 96       |
| 52) Acenaphthene               | 9.87  | 154  | 864266   | 39.390 | ng    | 98       |
| 53) 3-Nitroaniline             | 9.79  | 138  | 284311   | 39.766 | ng    | 90       |
| 54) 2,4-Dinitrophenol          | 9.89  | 184  | 20383    | 9.102  | ng    | 89       |
| 55) Dibenzofuran               | 10.04 | 168  | 1278576  | 40.146 | ng    | 95       |
| 56) 4-Nitrophenol              | 9.96  | 139  | 342254   | 69.172 | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 10.02 | 165  | 277119   | 35.869 | ng    | 96       |
| 58) Fluorene                   | 10.38 | 166  | 936609   | 40.545 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.16 | 232  | 219608   | 37.477 | ng    | 97       |
| 60) Diethylphthalate           | 10.26 | 149  | 1081570  | 40.830 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204  | 431938   | 38.218 | ng    | 96       |
| 62) 4-Nitroaniline             | 10.39 | 138  | 252844   | 35.724 | ng    | 98       |
| 63) Azobenzene                 | 10.53 | 77   | 996998   | 38.178 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.43 | 198  | 22511    | 7.401  | ng    | 84       |
| 66) n-Nitrosodiphenylamine     | 10.49 | 169  | 845495   | 45.508 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.86 | 248  | 244090   | 42.036 | ng    | 97       |
| 68) Hexachlorobenzene          | 10.93 | 284  | 240170   | 40.209 | ng    | 95       |
| 69) Atrazine                   | 11.02 | 200  | 243203   | 45.295 | ng    | 98       |
| 70) Pentachlorophenol          | 11.13 | 266  | 239705   | 65.429 | ng    | 95       |
| 71) Phenanthrene               | 11.34 | 178  | 1182103  | 42.581 | ng    | 95       |
| 72) Anthracene                 | 11.39 | 178  | 1227591  | 43.239 | ng    | 95       |
| 73) Carbazole                  | 11.55 | 167  | 1145423  | 39.015 | ng    | 95       |
| 74) Di-n-butylphthalate        | 11.88 | 149  | 1466262  | 44.844 | ng    | 96       |
| 75) Fluoranthene               | 12.53 | 202  | 1171050  | 43.119 | ng    | 98       |
| 77) Benzidine                  | 12.65 | 184  | 413456   | 28.336 | ng    | 96       |
| 78) Pyrene                     | 12.76 | 202  | 1178651  | 42.117 | ng    | 95       |
| 80) Butylbenzylphthalate       | 13.37 | 149  | 577933   | 42.368 | ng    | 95       |
| 81) Benzo(a)anthracene         | 13.94 | 228  | 938842   | 43.499 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine     | 13.90 | 252  | 377759   | 43.054 | ng    | 98       |
| 83) Chrysene                   | 13.98 | 228  | 949374   | 41.756 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 768720   | 44.121 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 14.55 | 149  | 1393693  | 47.423 | ng    | 96       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.81 | 276  | 654855   | 39.907 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 14.98 | 252  | 765666   | 45.021 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.00 | 252  | 731380   | 45.007 | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.33 | 252  | 666725   | 43.474 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.83 | 278  | 551707   | 45.604 | ng    | 97       |
| 92) Benzo(g,h,i)perylene       | 17.24 | 276  | 450854   | 37.967 | ng    | 96       |

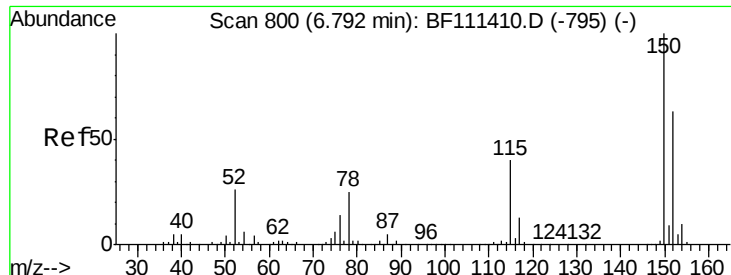
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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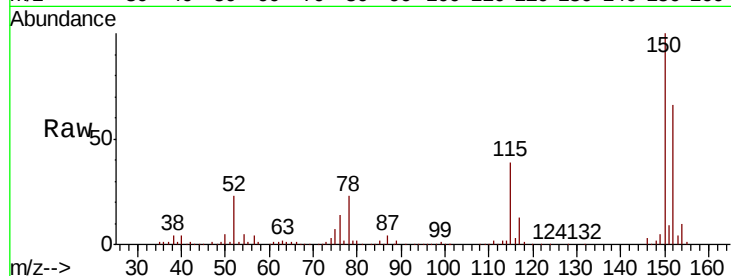




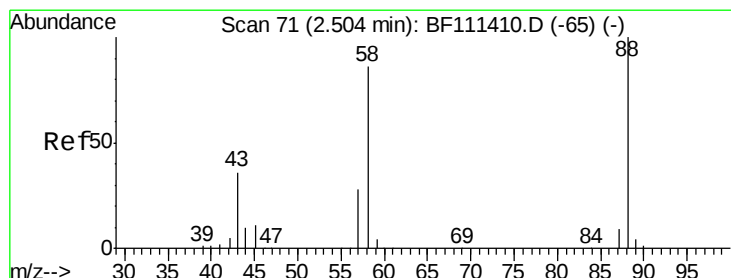
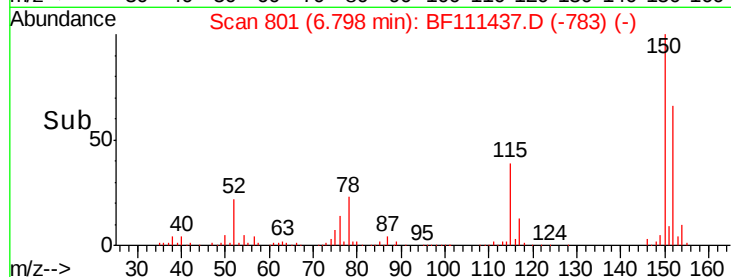
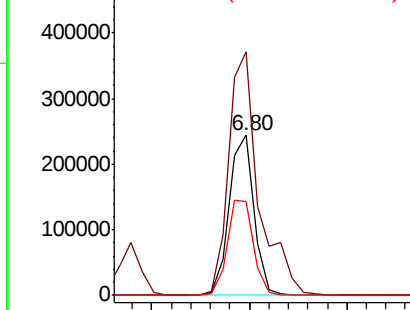
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.80 min Scan# 801  
 Delta R.T. 0.01 min  
 Lab File: BF111437.D  
 Acq: 14 Dec 2018 23:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-2MS

Tgt Ion: 152 Resp: 215286  
 Ion Ratio Lower Upper  
 152 100  
 150 152.0 126.6 189.8  
 115 58.6 50.7 76.1

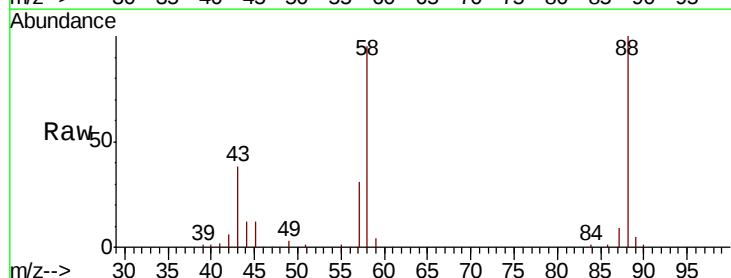


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

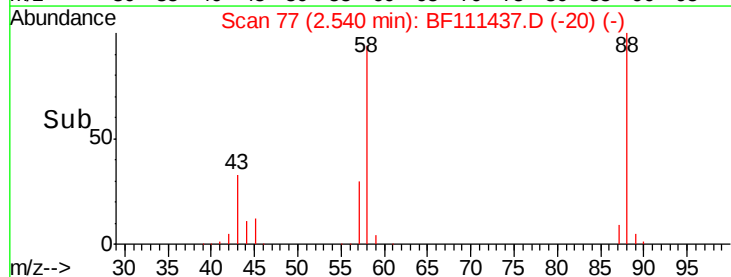
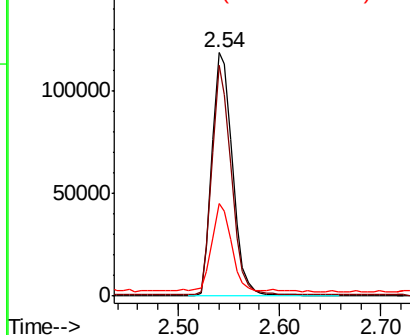


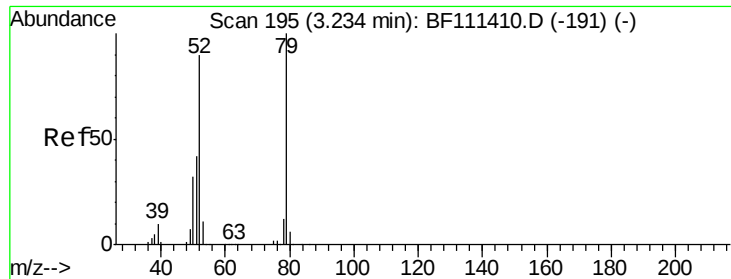
#2  
 1,4-Dioxane  
 Concen: 26.851 ng  
 RT: 2.54 min Scan# 77  
 Delta R.T. 0.04 min  
 Lab File: BF111437.D  
 Acq: 14 Dec 2018 23:44

Tgt Ion: 88 Resp: 167776  
 Ion Ratio Lower Upper  
 88 100  
 58 87.7 68.9 103.3  
 43 34.1 25.8 38.6



Abundance Ion 88.00 (87.70 to 88.70): BF1  
 Ion 58.00 (57.70 to 58.70): BF1  
 Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 25.380 ng

RT: 3.28 min Scan# 203

Delta R.T. 0.05 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

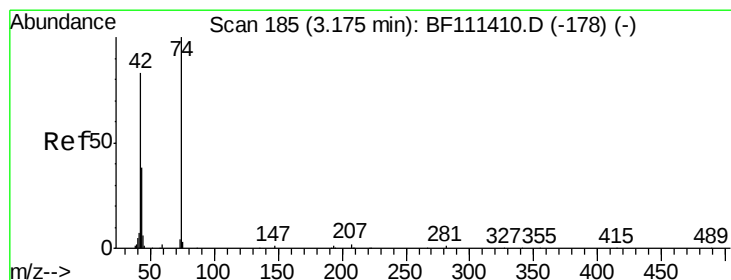
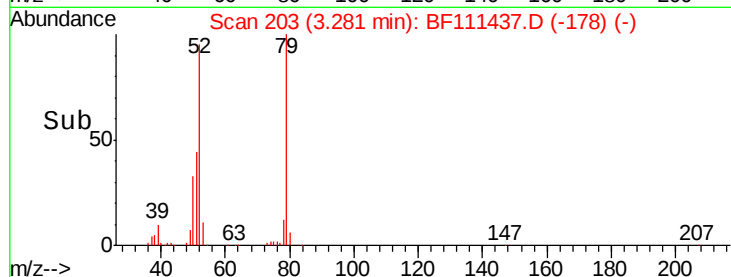
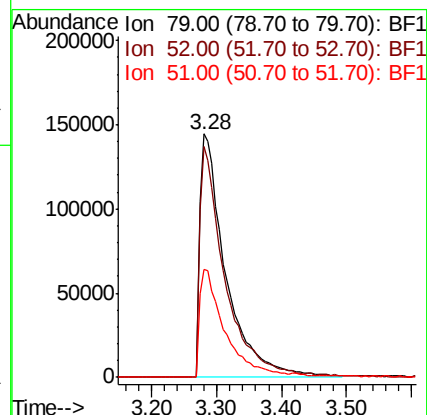
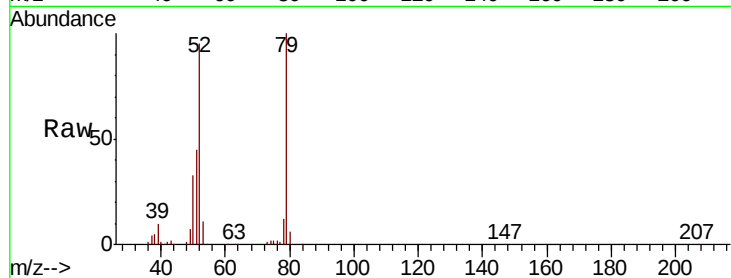
Tgt Ion: 79 Resp: 398297

Ion Ratio Lower Upper

79 100

52 94.7 68.3 102.5

51 44.5 32.6 49.0



#4

n-Nitrosodimethylamine

Concen: 34.780 ng

RT: 3.22 min Scan# 192

Delta R.T. 0.04 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

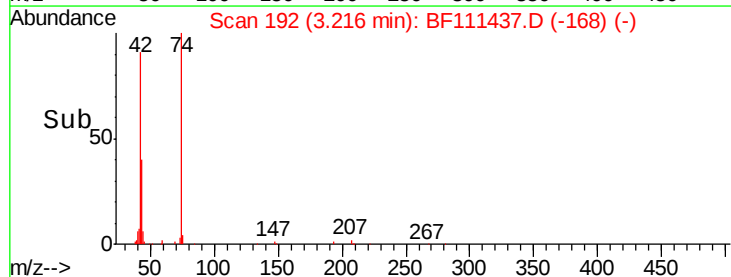
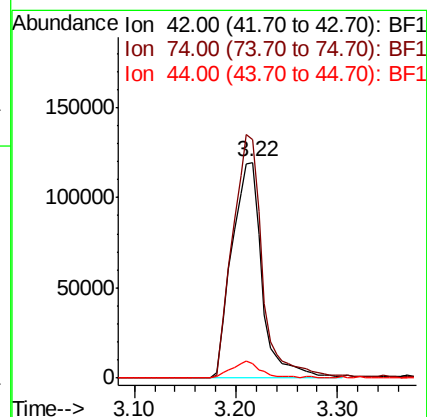
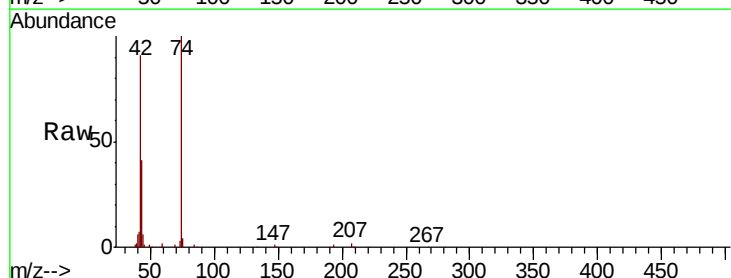
Tgt Ion: 42 Resp: 247919

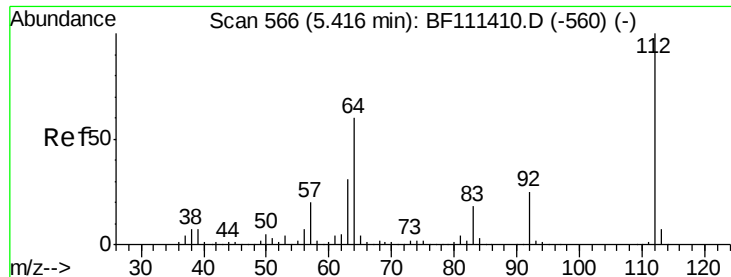
Ion Ratio Lower Upper

42 100

74 110.4 101.5 152.3

44 6.9 6.0 9.0





#5

2-Fluorophenol

Concen: 99.039 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

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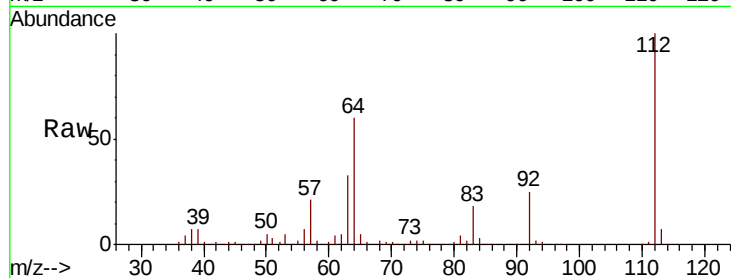
Tgt Ion: 112 Resp: 1281308

Ion Ratio Lower Upper

112 100

64 60.3 51.8 77.6

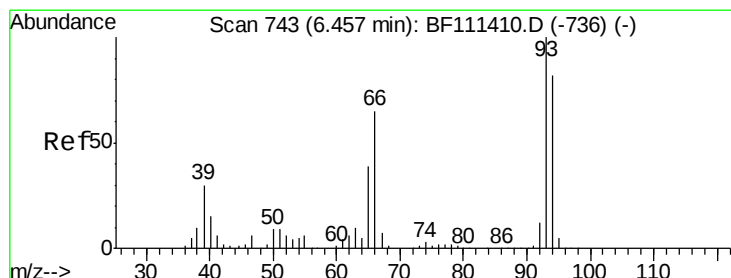
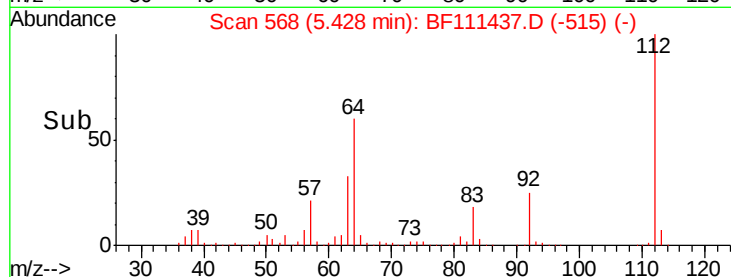
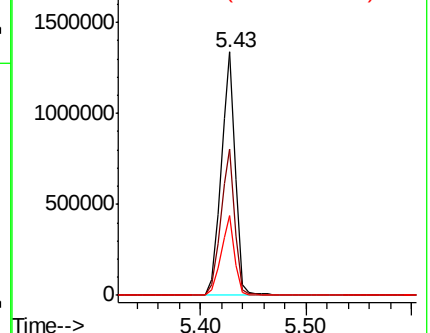
63 32.5 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 25.791 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

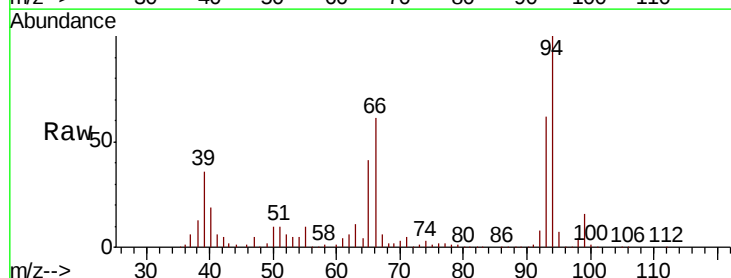
Tgt Ion: 93 Resp: 550547

Ion Ratio Lower Upper

93 100

66 98.1 33.2 49.8#

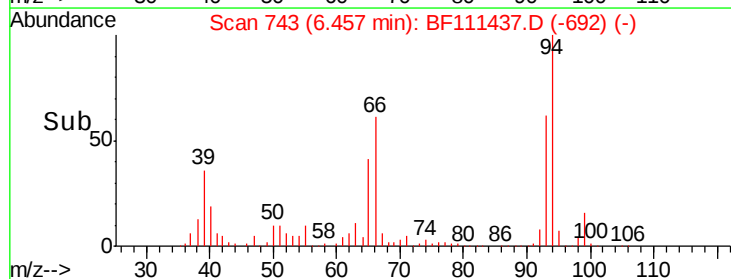
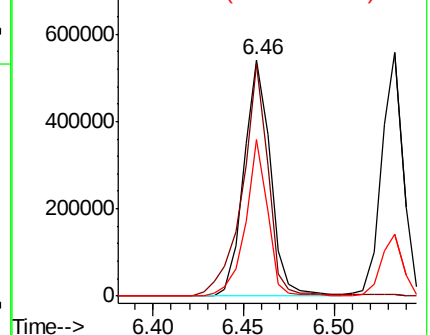
65 66.2 17.0 25.4#

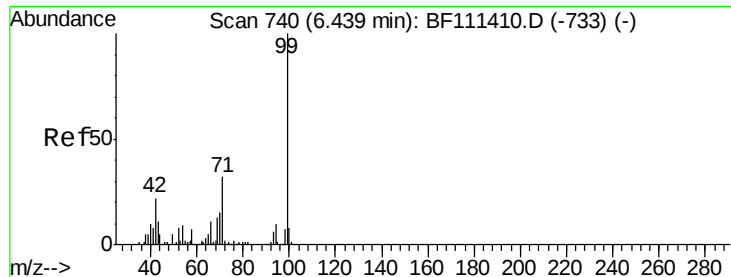


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 95.939 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

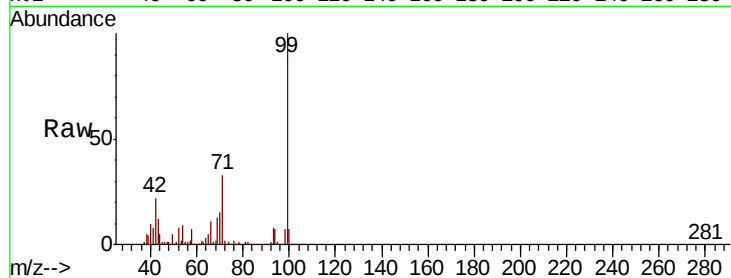
Tgt Ion: 99 Resp: 1651015

Ion Ratio Lower Upper

99 100

42 22.2 17.4 26.0

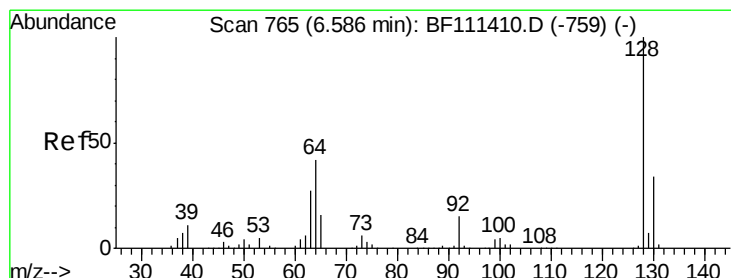
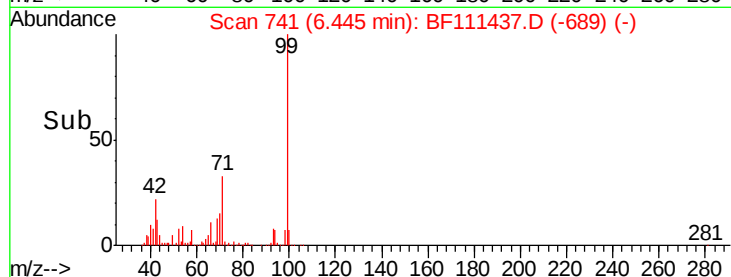
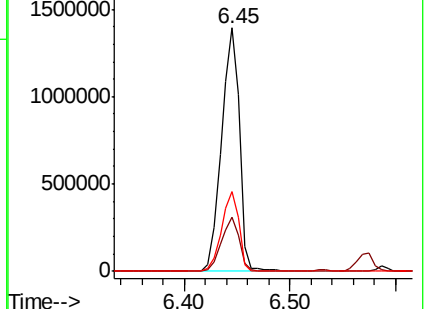
71 32.8 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 31.671 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

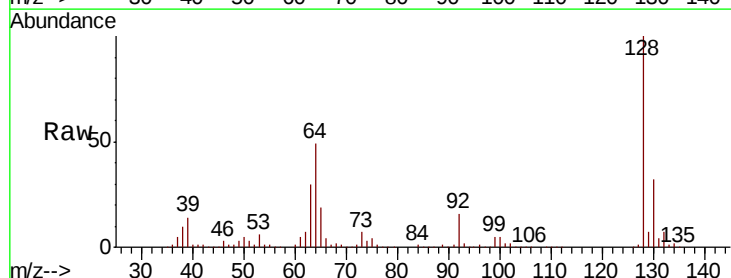
Tgt Ion: 128 Resp: 489569

Ion Ratio Lower Upper

128 100

130 31.8 12.7 52.7

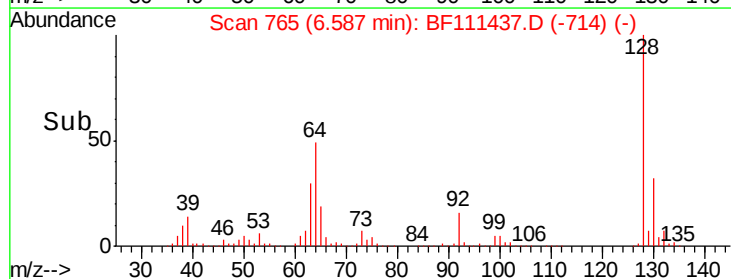
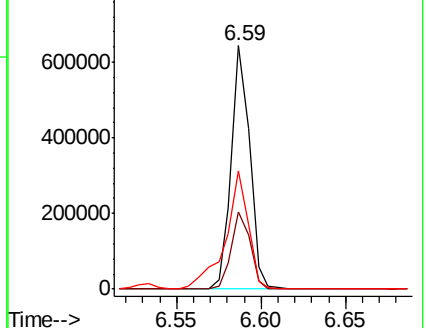
64 48.6 30.0 70.0

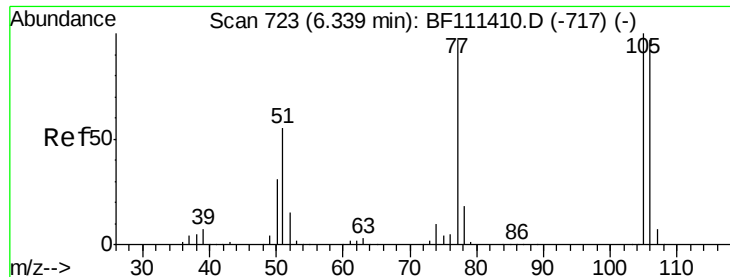


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 23.013 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

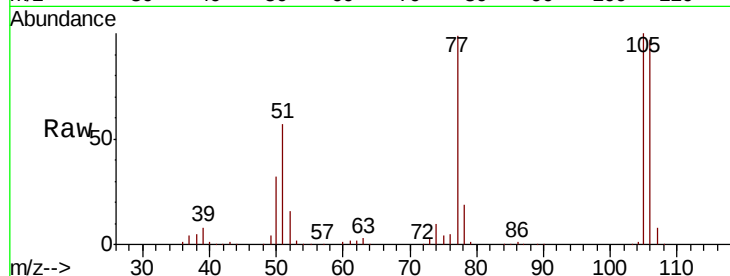
Tgt Ion: 77 Resp: 240215

Ion Ratio Lower Upper

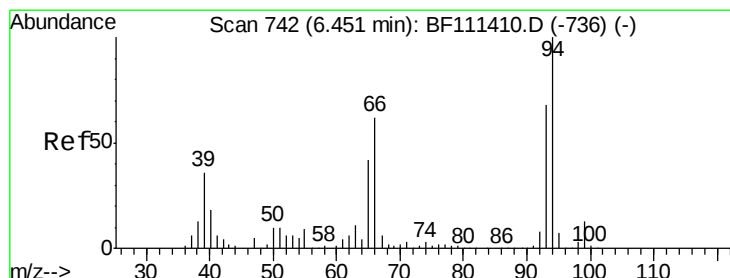
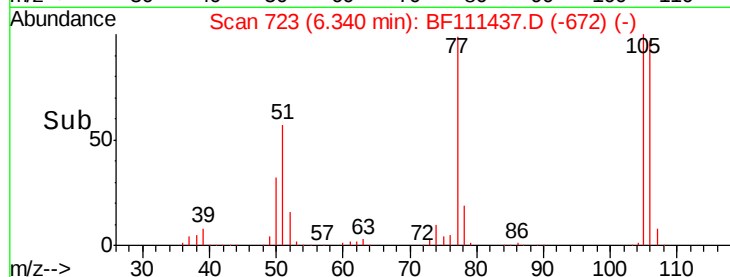
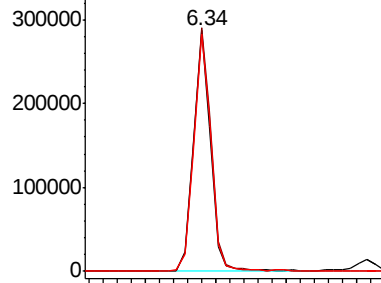
77 100

105 101.2 81.4 121.4

106 98.4 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): E  
Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 35.459 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

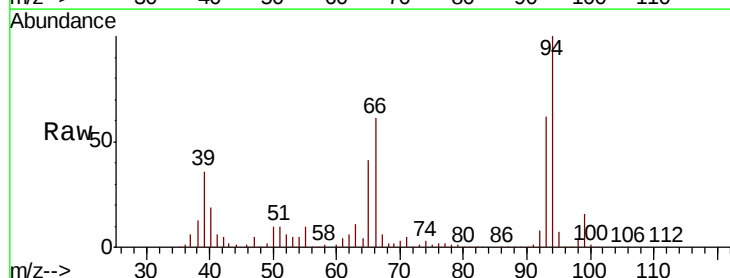
Tgt Ion: 94 Resp: 679761

Ion Ratio Lower Upper

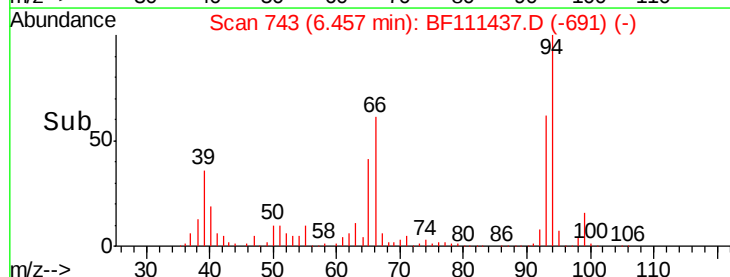
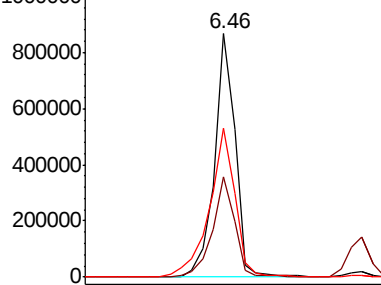
94 100

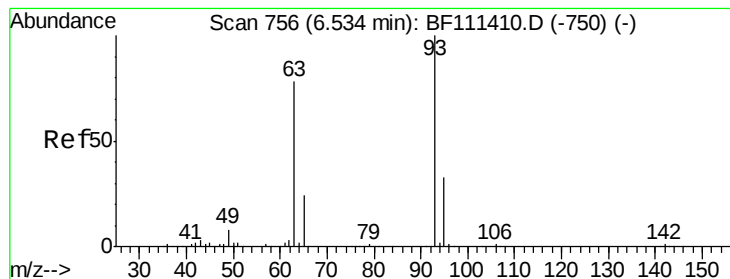
65 41.4 11.7 51.7

66 61.3 21.0 61.0#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 29.986 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

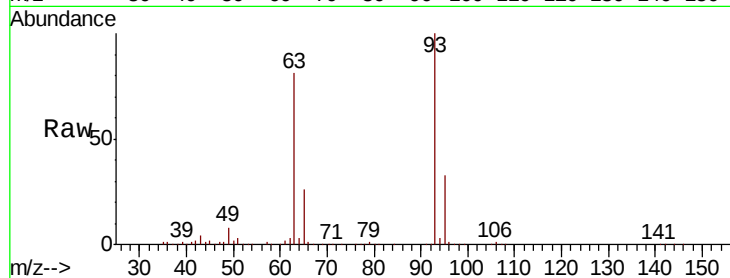
Tgt Ion: 93 Resp: 450627

Ion Ratio Lower Upper

93 100

63 81.2 60.0 100.0

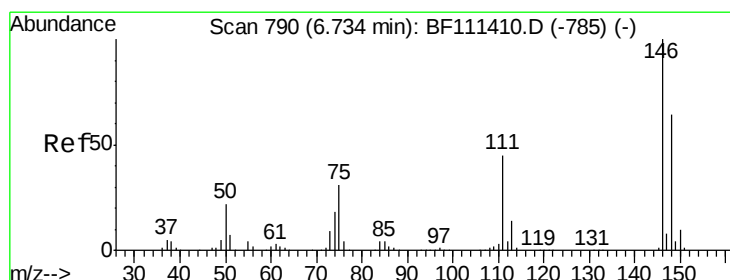
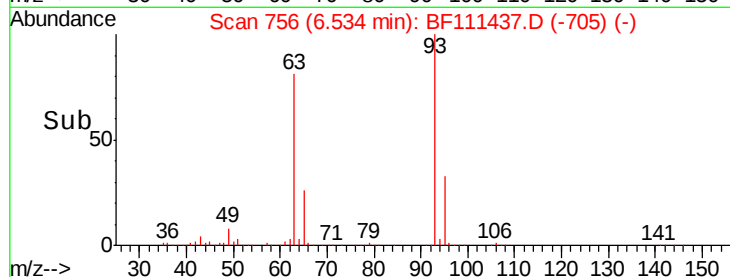
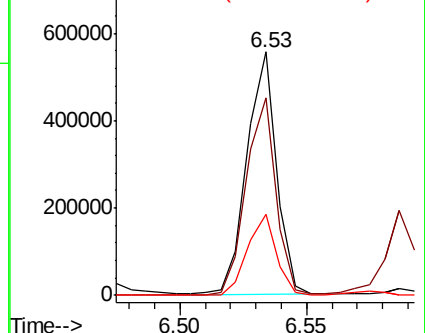
95 33.1 13.4 53.4



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 35.836 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

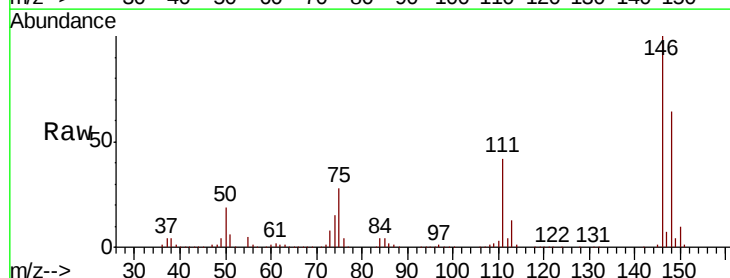
Tgt Ion: 146 Resp: 609795

Ion Ratio Lower Upper

146 100

148 63.8 52.1 78.1

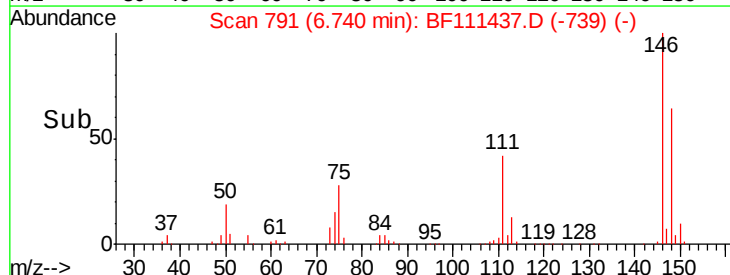
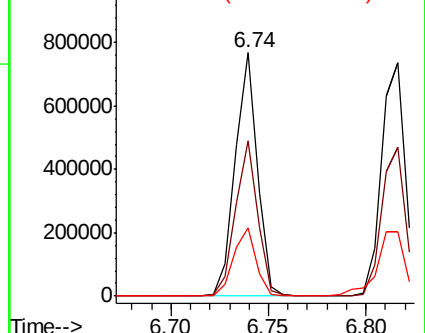
75 28.0 23.9 35.9

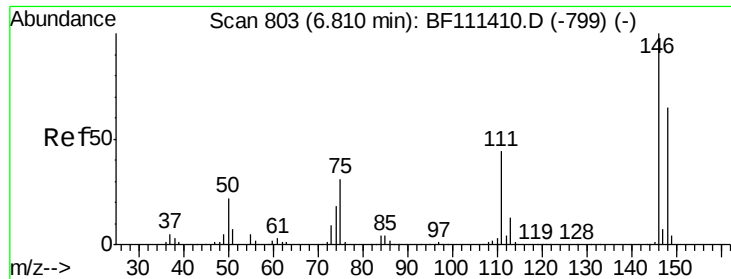


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

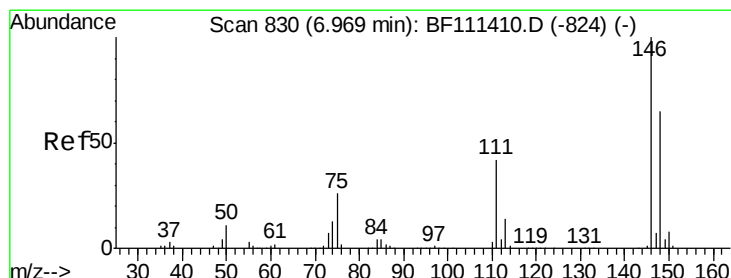
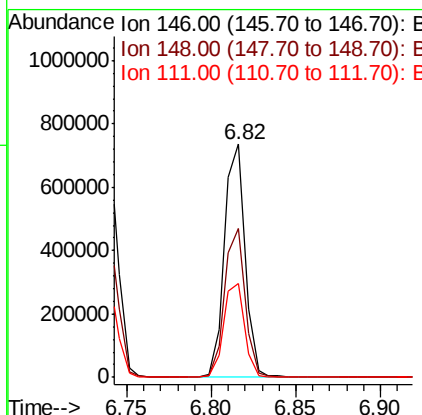
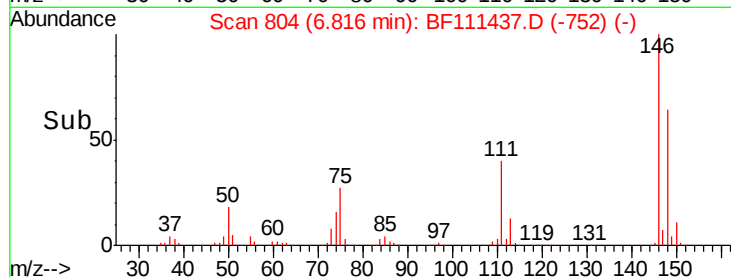
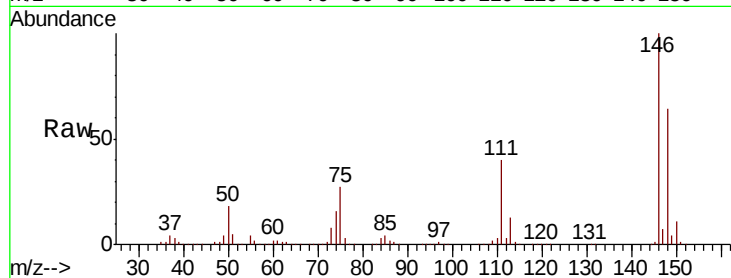




#13  
 1,4-Dichlorobenzene  
 Concen: 36.368 ng  
 RT: 6.82 min Scan# 804  
 Delta R.T. 0.01 min  
 Lab File: BF111437.D  
 Acq: 14 Dec 2018 23:44

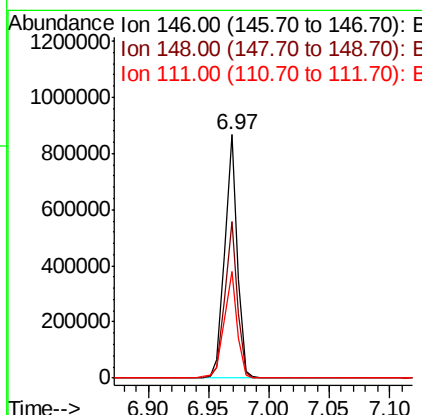
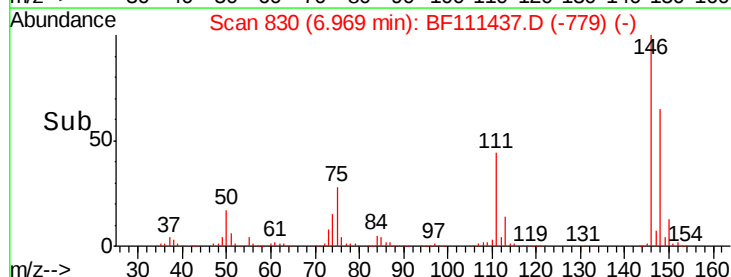
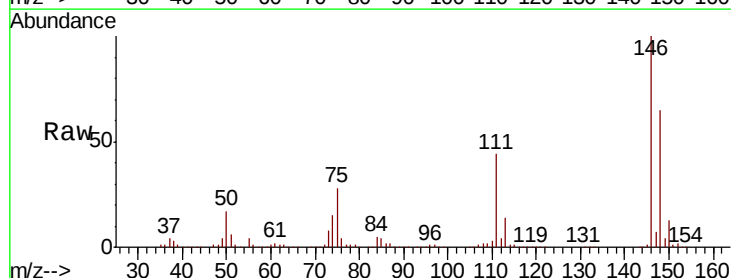
Instrument :  
 BNA\_G  
 ClientSampled :  
 SB-2MS

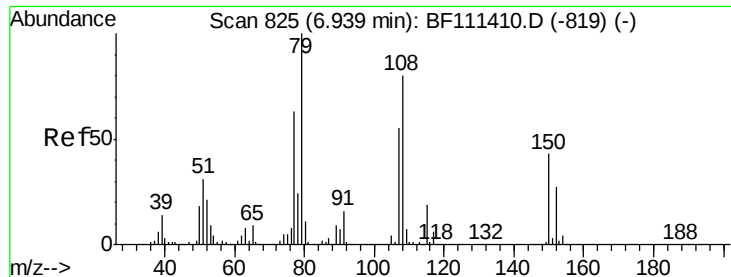
Tgt Ion:146 Resp: 628138  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 52.8 79.2  
 111 40.4 33.4 50.0



#14  
 1,2-Dichlorobenzene  
 Concen: 38.282 ng  
 RT: 6.97 min Scan# 830  
 Delta R.T. 0.00 min  
 Lab File: BF111437.D  
 Acq: 14 Dec 2018 23:44

Tgt Ion:146 Resp: 622030  
 Ion Ratio Lower Upper  
 146 100  
 148 64.5 51.9 77.9  
 111 43.6 36.2 54.4





#15

Benzyl Alcohol

Concen: 40.205 ng

RT: 6.94 min Scan# 825

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

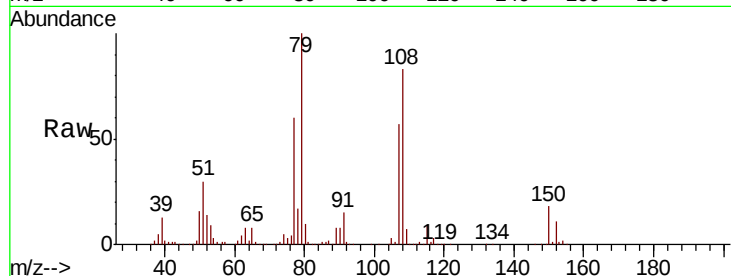
Tgt Ion: 79 Resp: 526453

Ion Ratio Lower Upper

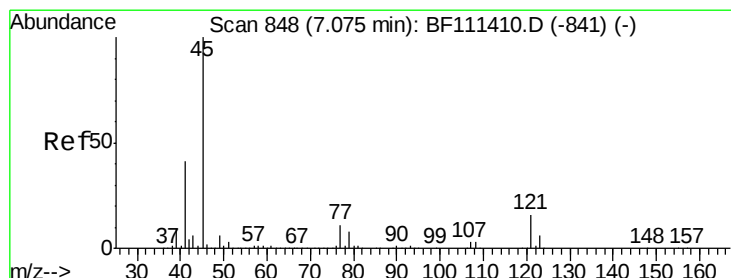
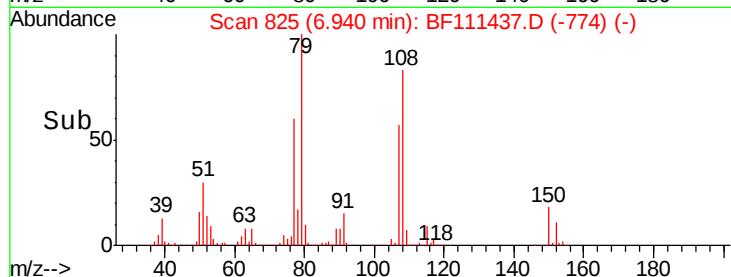
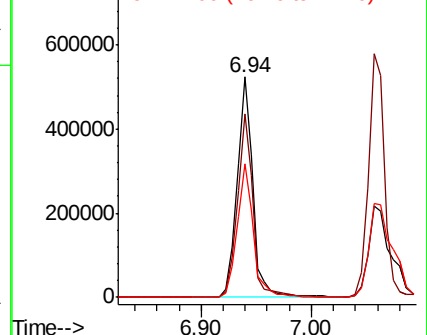
79 100

108 83.4 69.4 104.2

77 60.4 49.7 74.5



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.937 ng

RT: 7.07 min Scan# 848

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

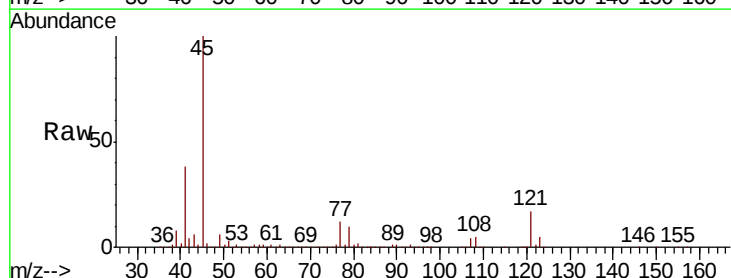
Tgt Ion: 45 Resp: 1113141

Ion Ratio Lower Upper

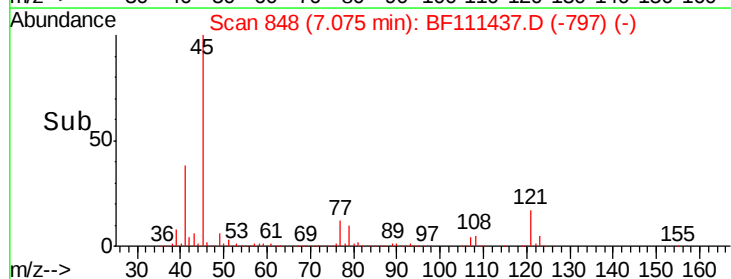
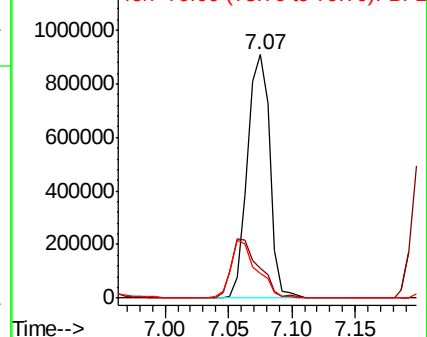
45 100

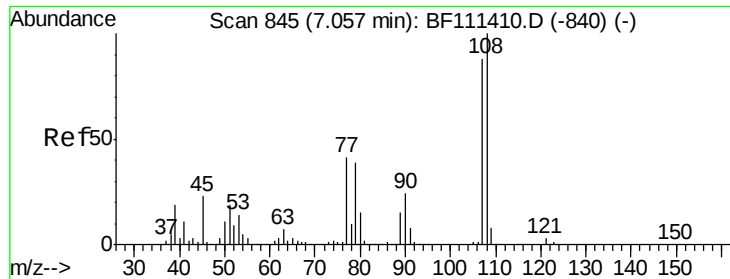
77 12.5 0.0 31.5

79 10.0 0.0 28.9



Abundance Ion 45.00 (44.70 to 45.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

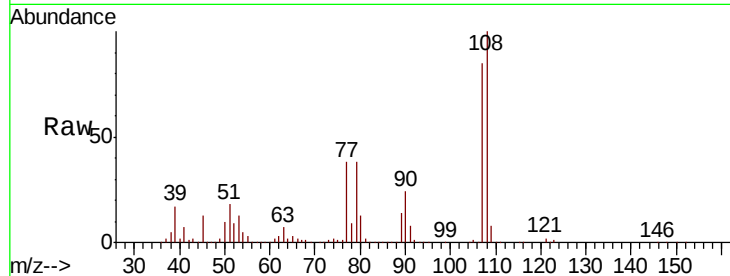




#17  
2-Methylphenol  
Concen: 40.791 ng  
RT: 7.06 min Scan# 845  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 117.4 | 91.0  | 136.4 |
| 77      | 45.1  | 33.5  | 50.3  |
| 79      | 44.2  | 33.3  | 49.9  |



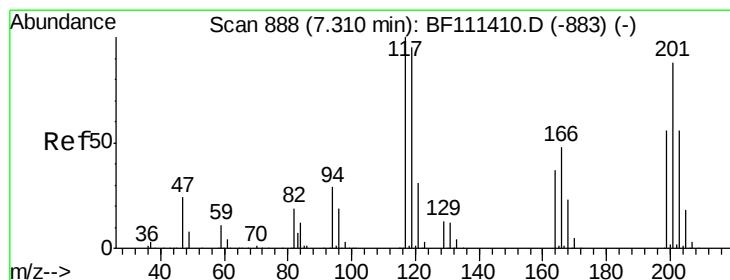
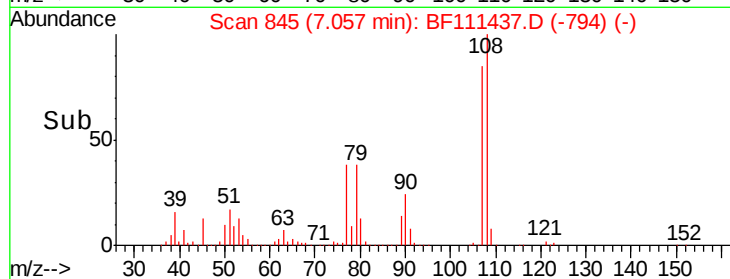
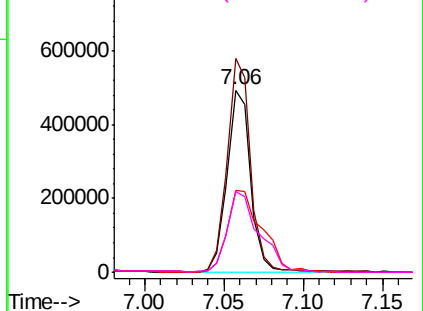
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

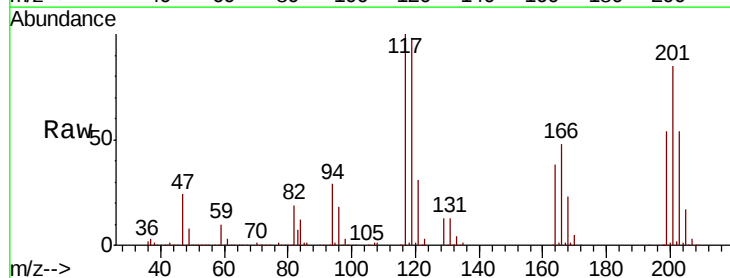
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 33.298 ng  
RT: 7.31 min Scan# 888  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.9  | 75.4  | 113.0 |
| 201     | 84.8  | 62.4  | 93.6  |

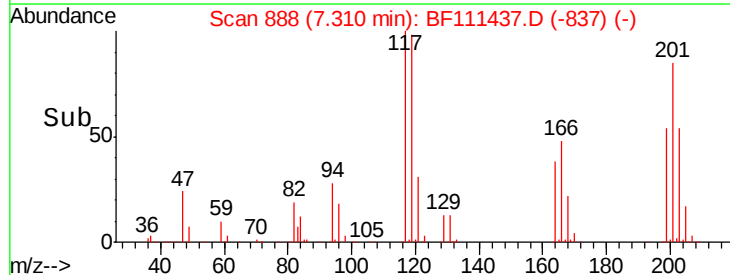
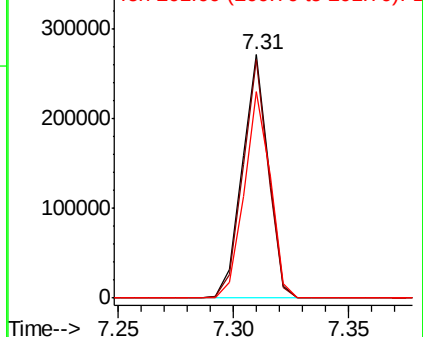


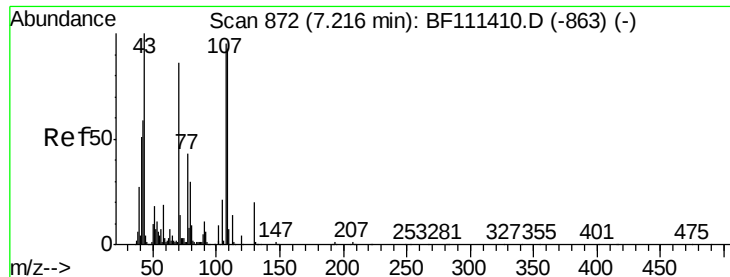
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

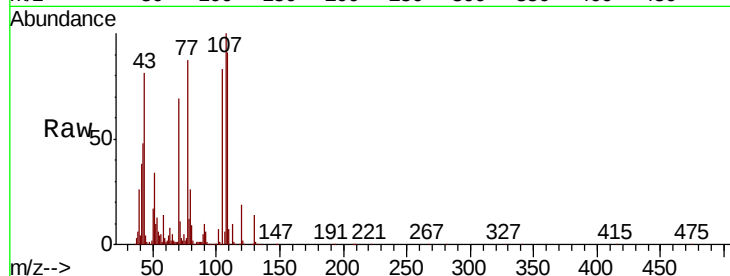




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.039 ng  
RT: 7.21 min Scan# 871  
Delta R.T. -0.01 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 431877 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 69.6  | 53.2  | 79.8   |
| 101      | 9.7   | 8.2   | 12.4   |
| 130      | 20.8  | 18.1  | 27.1   |



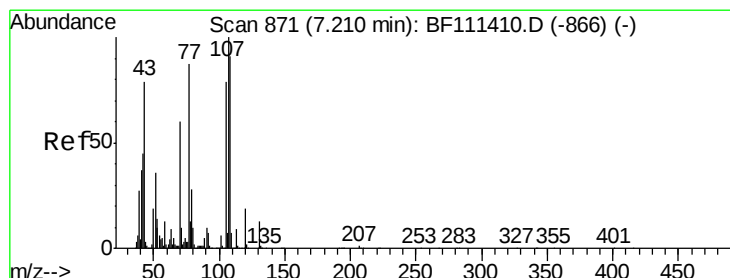
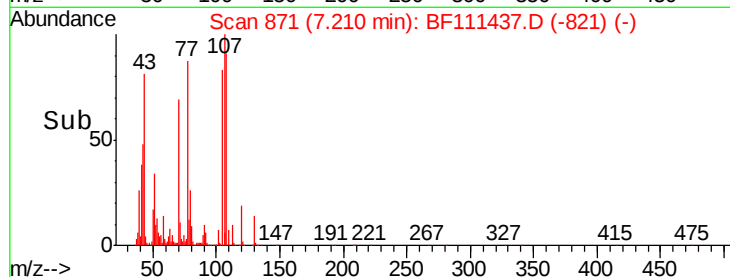
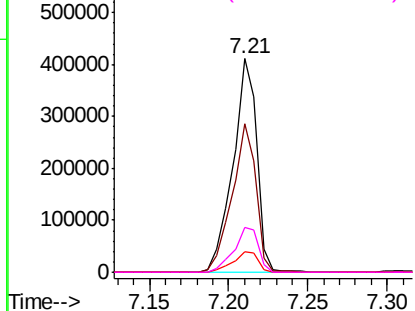
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20  
3+4-Methylphenols  
Concen: 39.765 ng  
RT: 7.21 min Scan# 871  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 620551 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 91.4  | 72.1  | 112.1  |
| 77       | 87.4  | 94.1  | 134.1# |
| 79       | 26.2  | 9.8   | 49.8   |

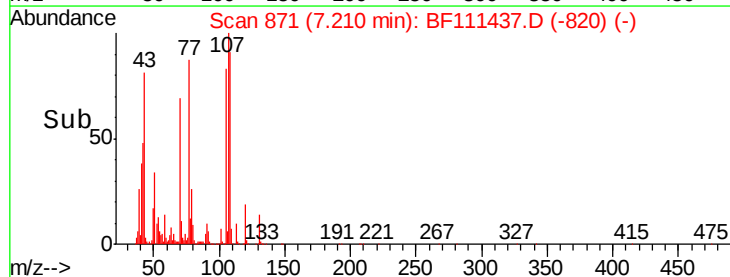
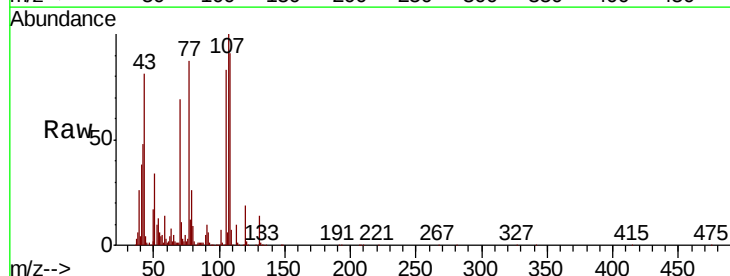
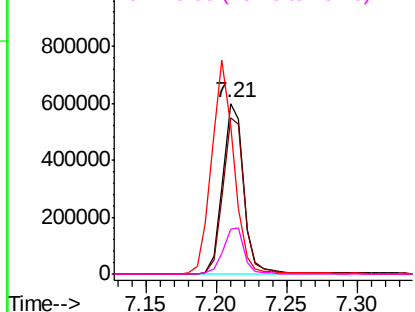
Abundance

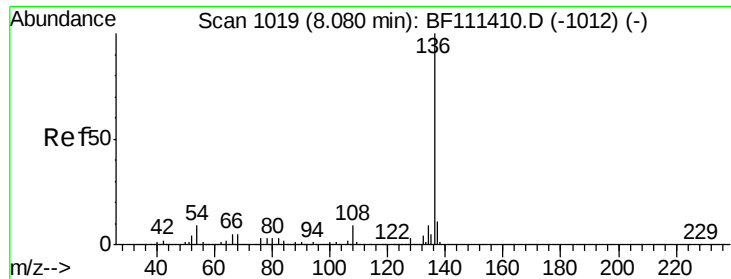
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

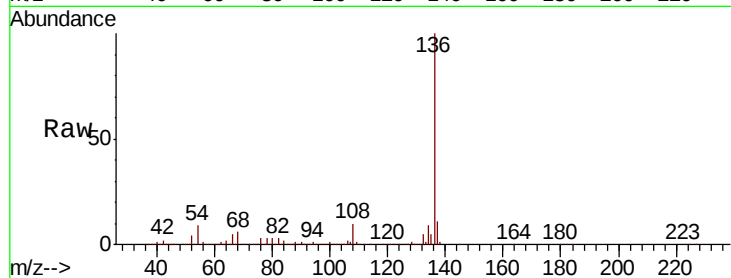




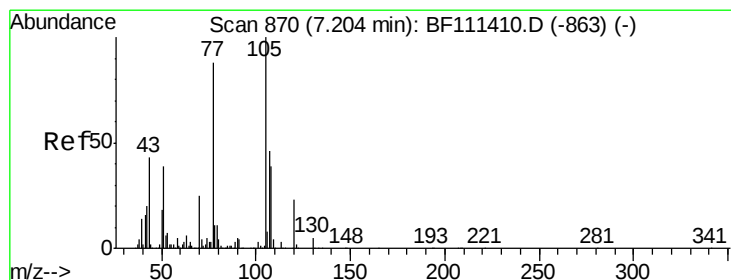
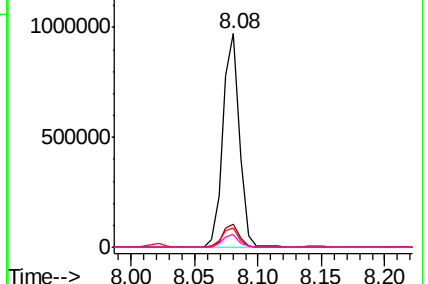
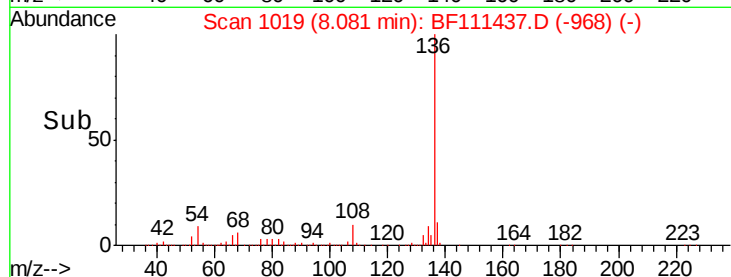
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.08 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 886197 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 9.1   | 13.7   |
| 54       | 8.8   | 7.7   | 11.5   |
| 68       | 5.8   | 4.9   | 7.3    |

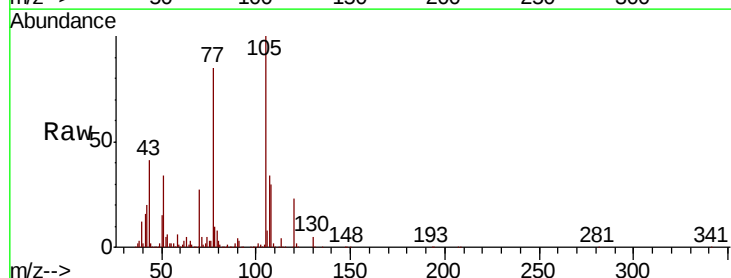


Abundance Ion 136.00 (135.70 to 136.70): E  
1500000 Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

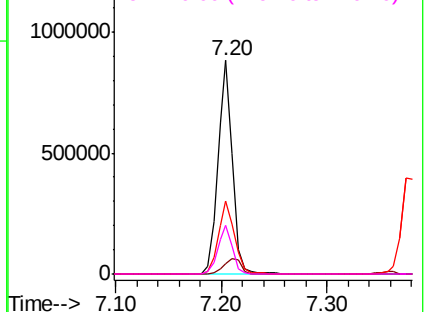
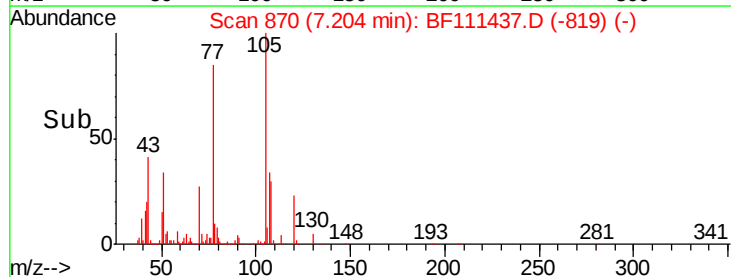


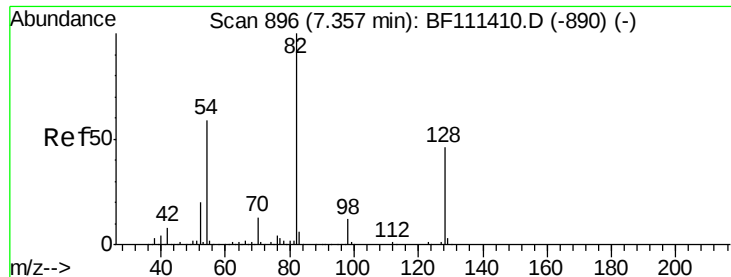
#22  
Acetophenone  
Concen: 43.289 ng  
RT: 7.20 min Scan# 870  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 856372 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 4.6   | 3.1   | 4.7    |
| 51       | 34.2  | 36.6  | 54.8#  |
| 120      | 22.8  | 18.2  | 27.4   |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E

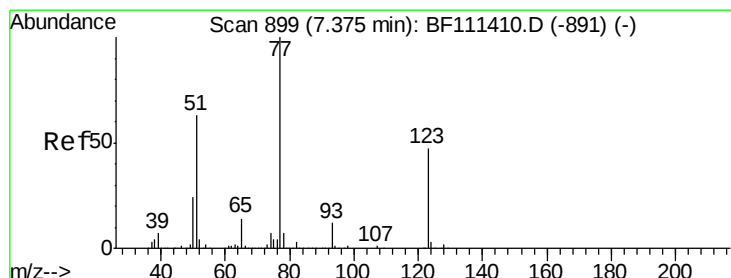
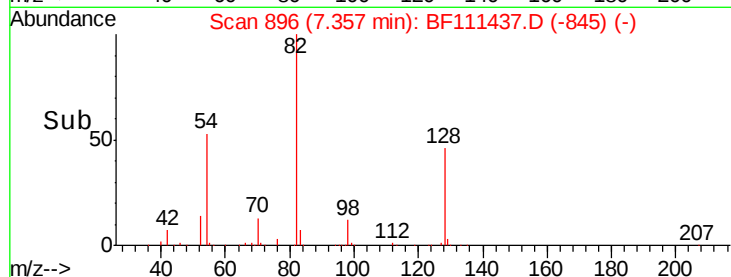
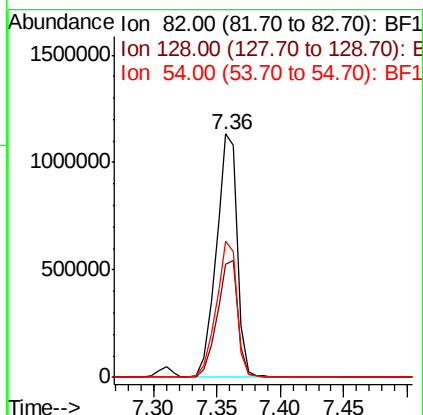
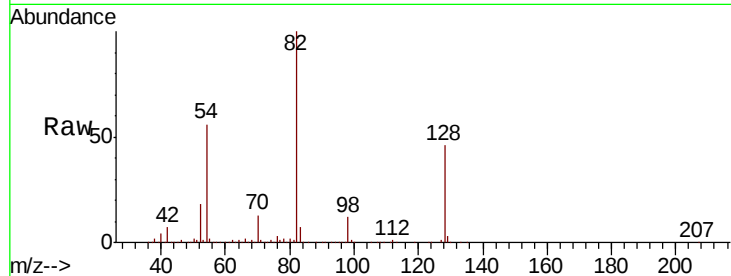




#23  
 Nitrobenzene-d5  
 Concen: 87.915 ng  
 RT: 7.36 min Scan# 896  
 Delta R.T. 0.00 min  
 Lab File: BF111437.D  
 Acq: 14 Dec 2018 23:44

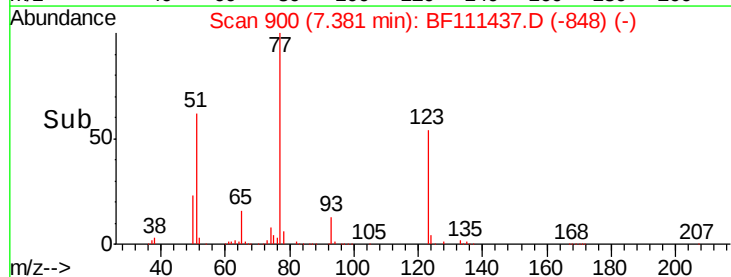
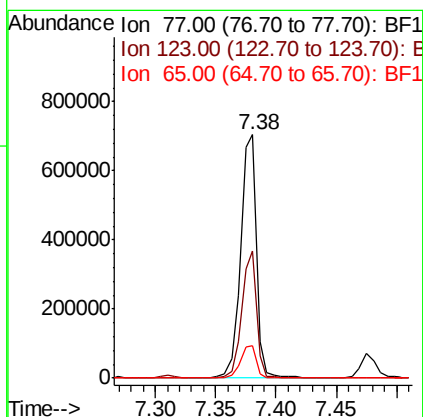
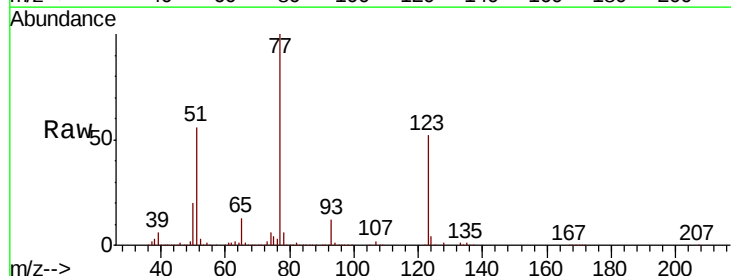
Instrument :  
 BNA\_G  
 ClientSampled :  
 SB-2MS

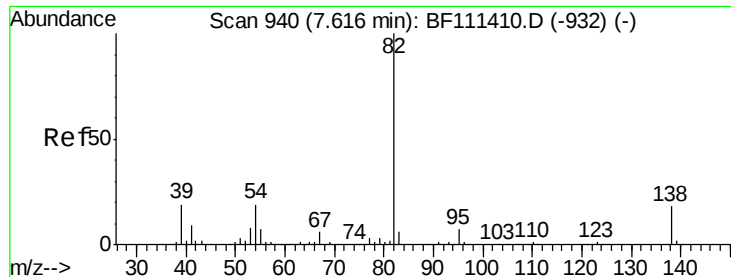
Tgt Ion: 82 Resp: 1308347  
 Ion Ratio Lower Upper  
 82 100  
 128 46.4 37.4 56.2  
 54 55.9 47.6 71.4



#24  
 Nitrobenzene  
 Concen: 42.423 ng  
 RT: 7.38 min Scan# 900  
 Delta R.T. 0.01 min  
 Lab File: BF111437.D  
 Acq: 14 Dec 2018 23:44

Tgt Ion: 77 Resp: 644029  
 Ion Ratio Lower Upper  
 77 100  
 123 52.4 37.2 55.8  
 65 13.5 11.5 17.3

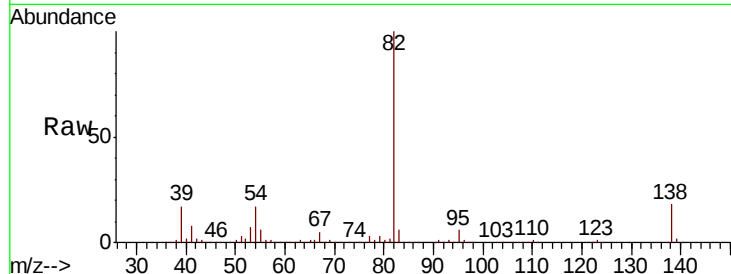




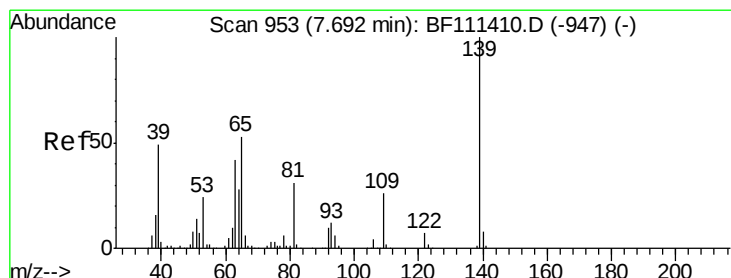
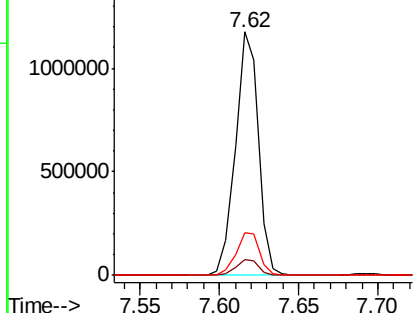
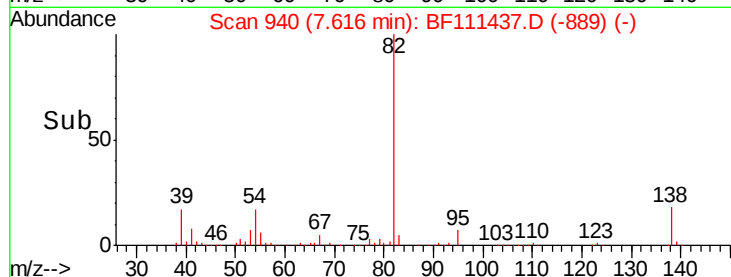
#25  
Isophorone  
Concen: 46.852 ng  
RT: 7.62 min Scan# 940  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

Tgt Ion: 82 Resp: 1179765  
Ion Ratio Lower Upper  
82 100  
95 6.4 5.4 8.2  
138 17.5 15.1 22.7

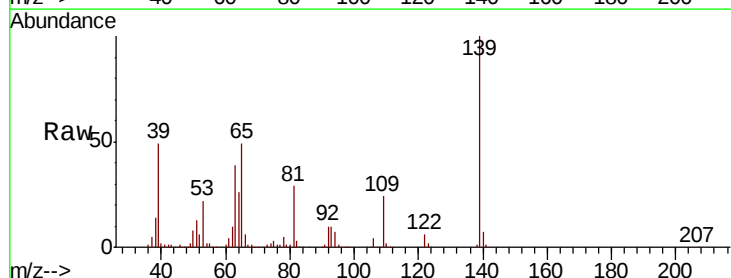


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

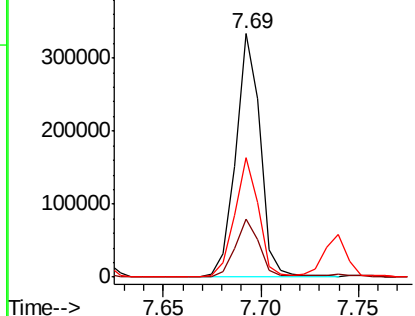
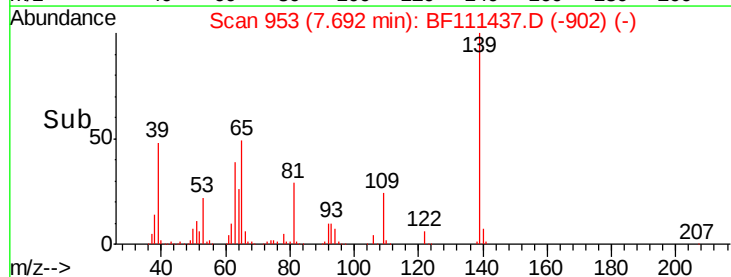


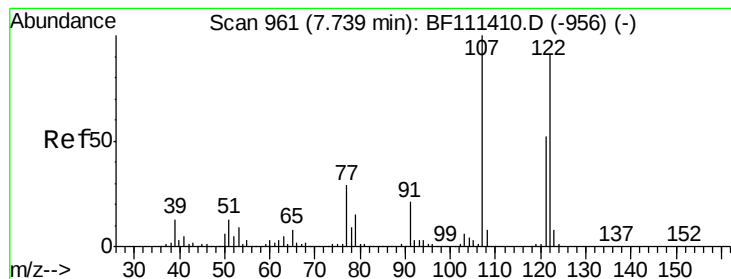
#26  
2-Nitrophenol  
Concen: 36.948 ng  
RT: 7.69 min Scan# 953  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Tgt Ion: 139 Resp: 290894  
Ion Ratio Lower Upper  
139 100  
109 23.9 20.2 30.4  
65 49.2 40.7 61.1



Abundance Ion 139.00 (138.70 to 139.70): BF1  
Ion 109.00 (108.70 to 109.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 48.313 ng

RT: 7.74 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

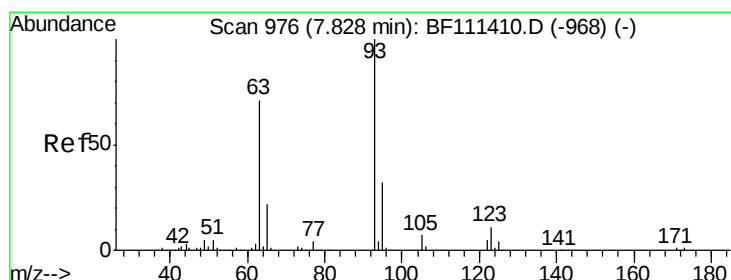
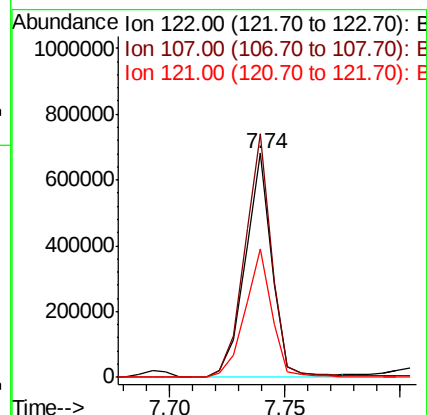
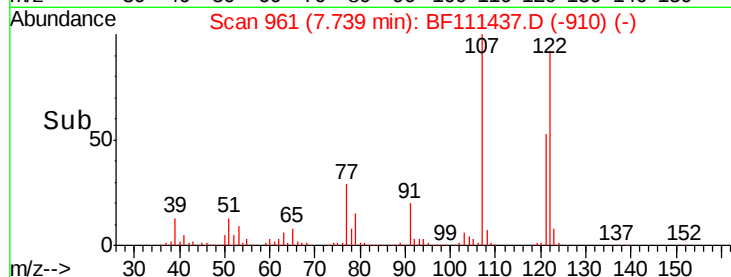
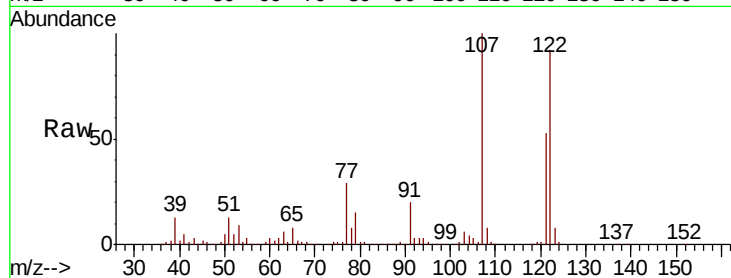
Tgt Ion:122 Resp: 551428

Ion Ratio Lower Upper

122 100

107 108.8 85.5 128.3

121 57.3 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 43.694 ng

RT: 7.83 min Scan# 976

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

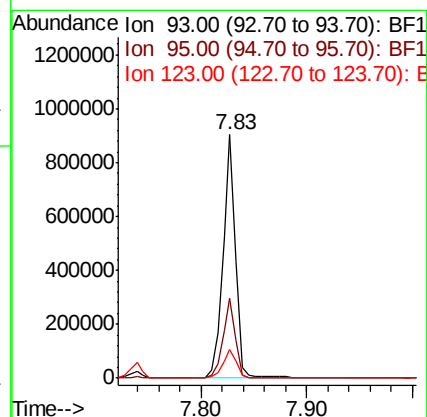
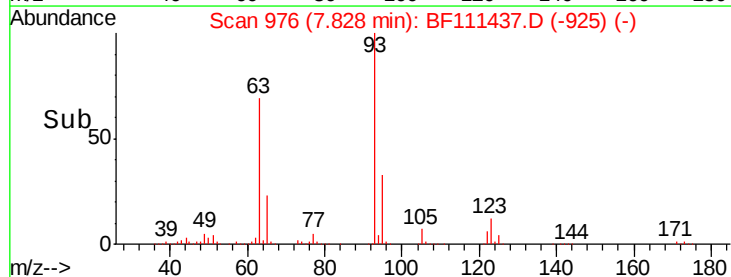
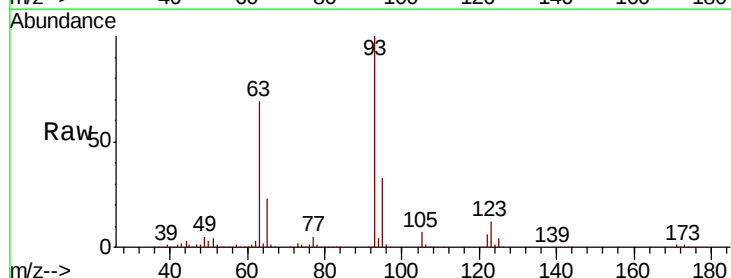
Tgt Ion: 93 Resp: 759545

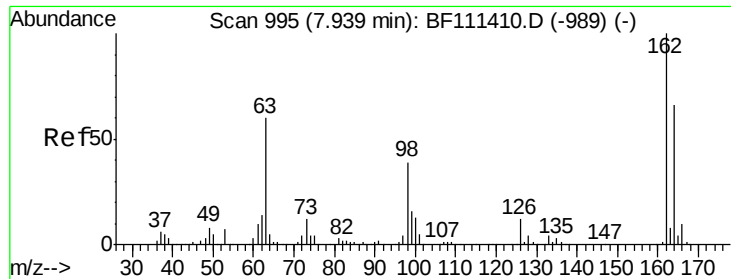
Ion Ratio Lower Upper

93 100

95 33.0 27.1 40.7

123 11.7 9.9 14.9

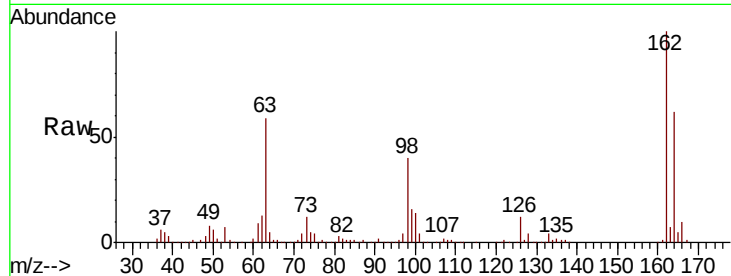




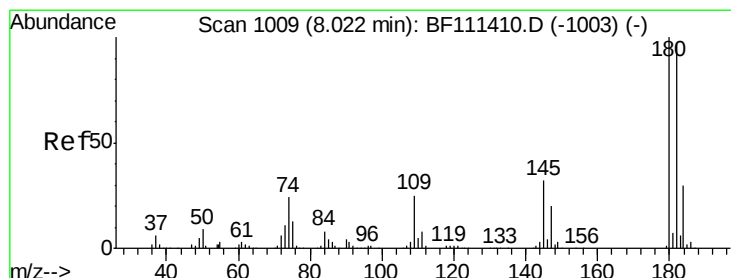
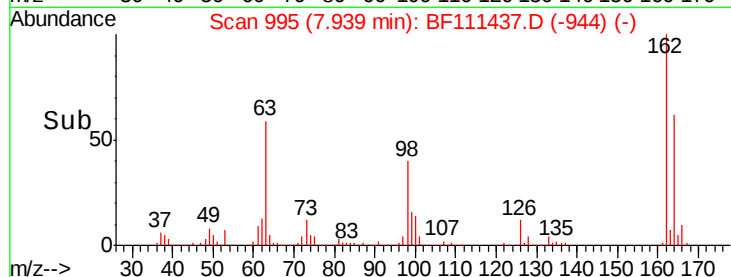
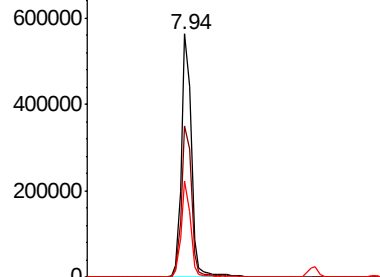
#29  
2,4-Dichlorophenol  
Concen: 41.250 ng  
RT: 7.94 min Scan# 995  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.2  | 44.4  | 84.4  |
| 98      | 39.6  | 20.3  | 60.3  |

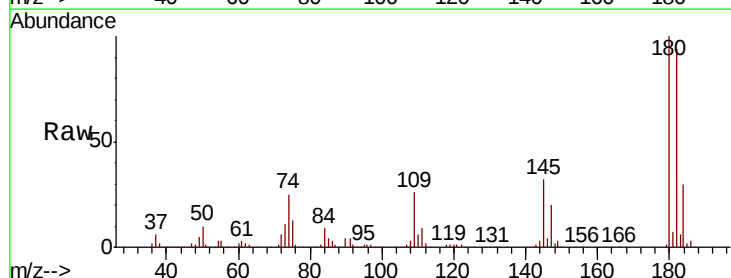


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

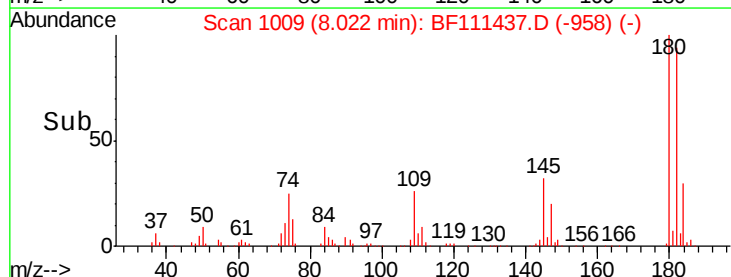
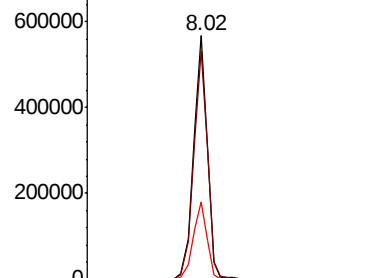


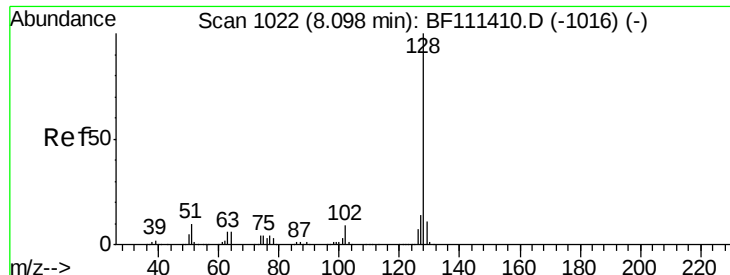
#30  
1,2,4-Trichlorobenzene  
Concen: 38.622 ng  
RT: 8.02 min Scan# 1009  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.0  | 75.6  | 113.4 |
| 145     | 31.9  | 26.7  | 40.1  |



Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E

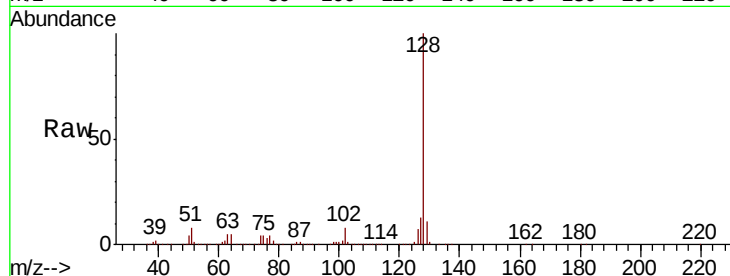




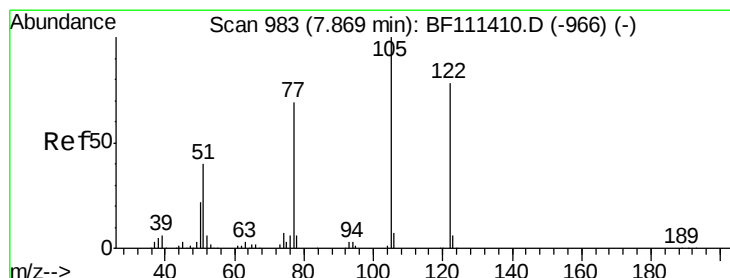
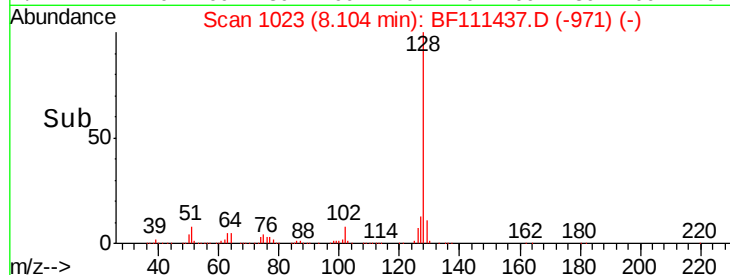
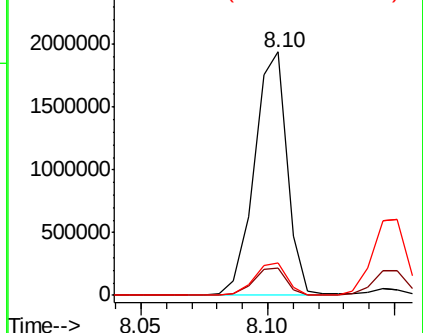
#31  
Naphthalene  
Concen: 42.395 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. 0.01 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

Tgt Ion:128 Resp: 1757264  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.8 14.8  
127 13.1 12.0 18.0

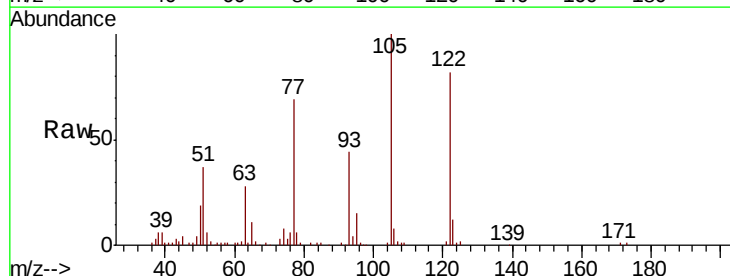


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

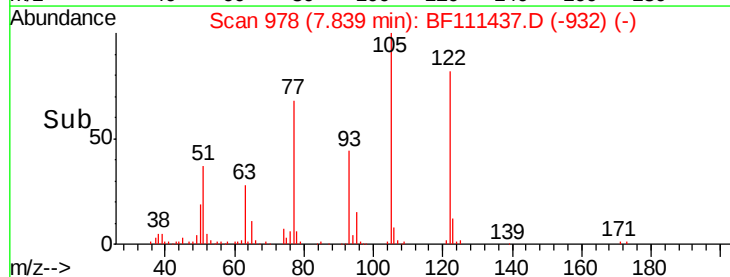
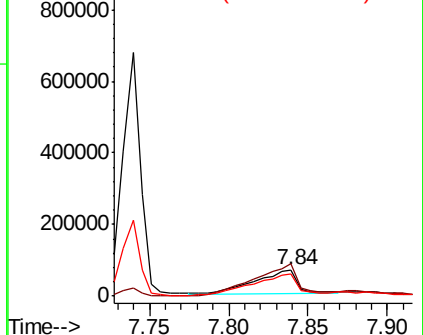


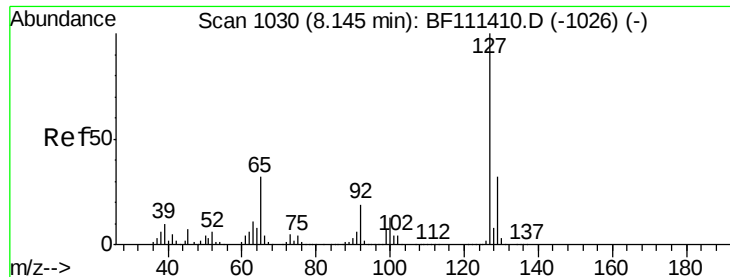
#32  
Benzoic acid  
Concen: 13.090 ng  
RT: 7.84 min Scan# 978  
Delta R.T. -0.03 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Tgt Ion:122 Resp: 129106  
Ion Ratio Lower Upper  
122 100  
105 122.6 97.0 137.0  
77 84.3 65.7 105.7



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): BF1

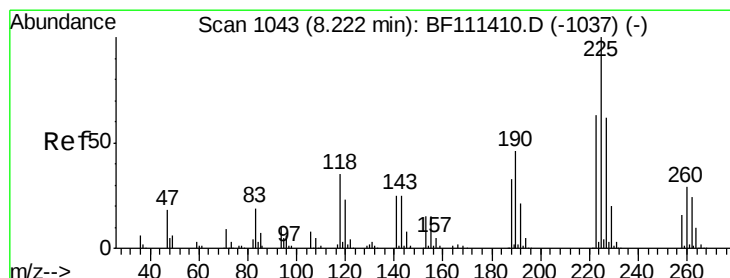
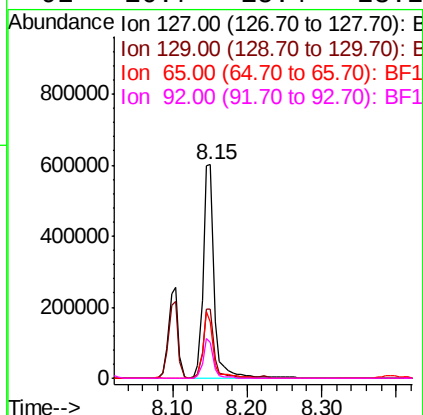
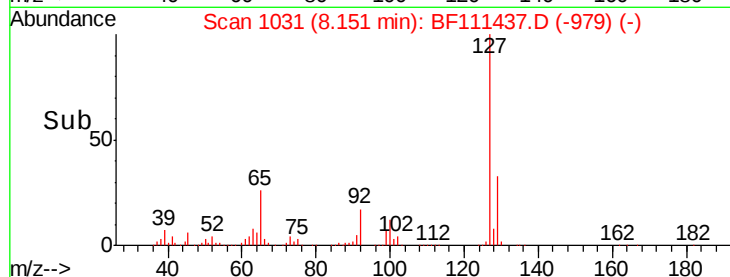
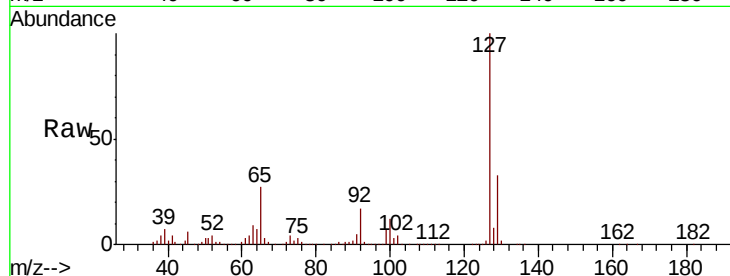




#33  
4-Chloroaniline  
Concen: 34.526 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. 0.01 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

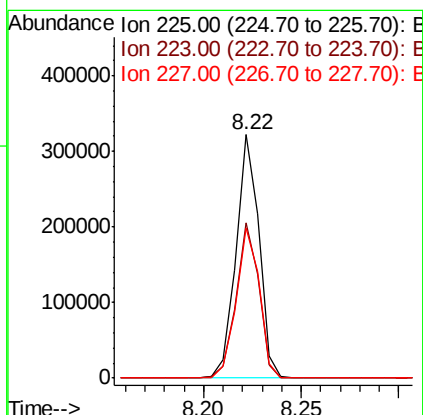
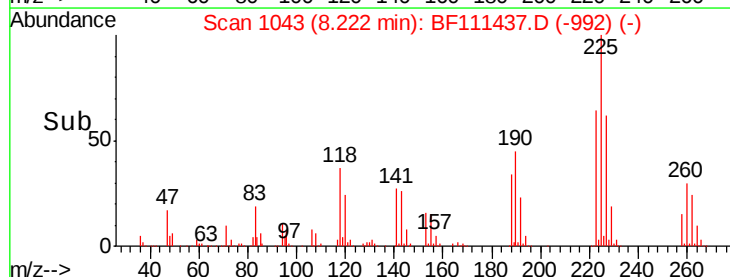
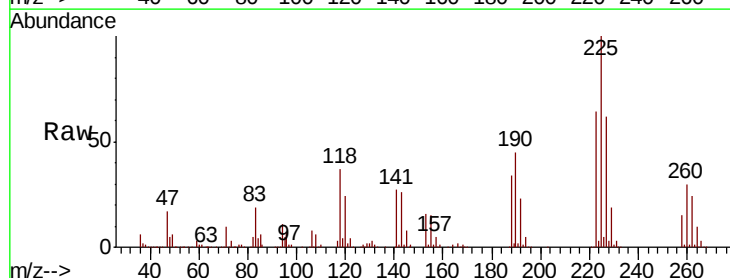
Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

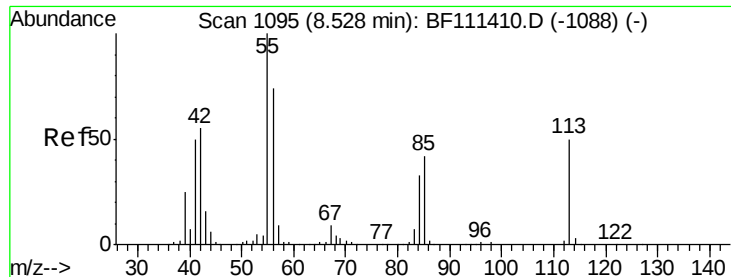
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 636371 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.5  | 26.6  | 39.8   |
| 65       | 26.6  | 25.7  | 38.5   |
| 92       | 16.7  | 15.4  | 23.2   |



#34  
Hexachlorobutadiene  
Concen: 37.269 ng  
RT: 8.22 min Scan# 1043  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 261892 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.8  | 50.7  | 76.1   |
| 227      | 61.8  | 52.6  | 78.8   |

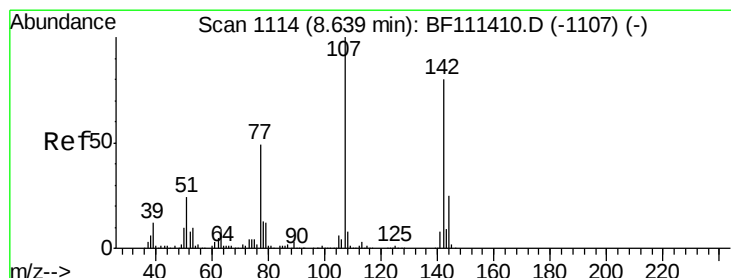
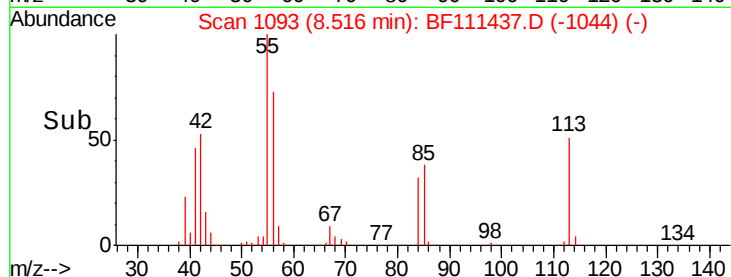
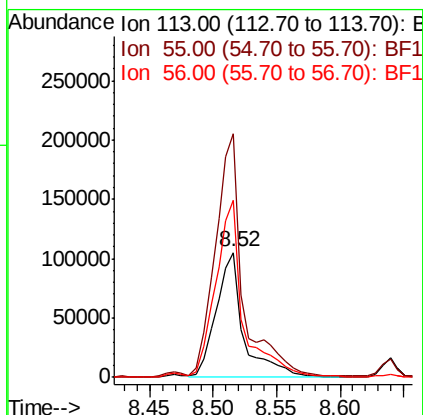
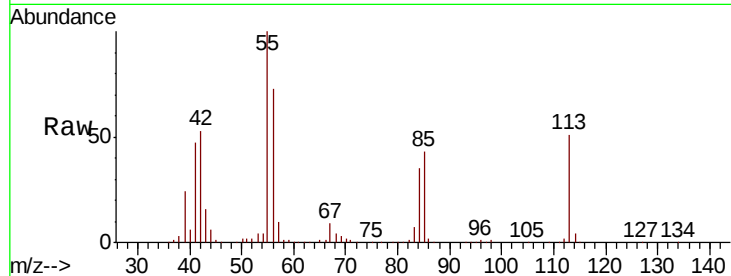




#35  
 Caprolactam  
 Concen: 35.021 ng  
 RT: 8.52 min Scan# 1093  
 Delta R.T. -0.01 min  
 Lab File: BF111437.D  
 Acq: 14 Dec 2018 23:44

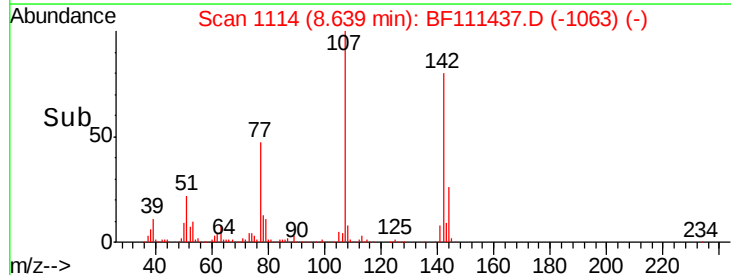
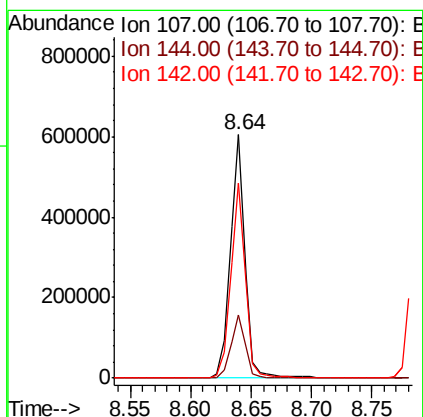
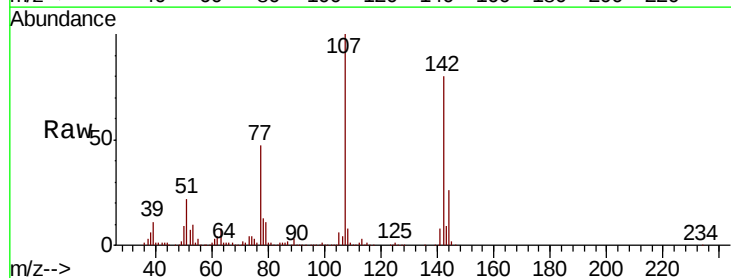
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-2MS

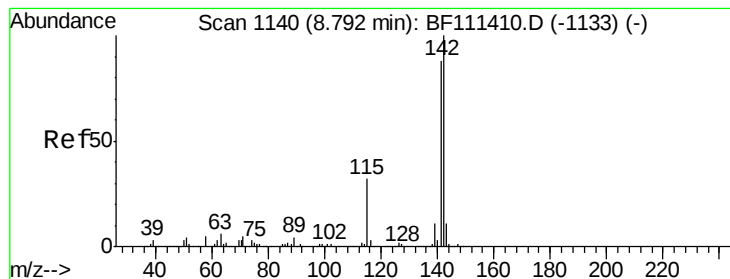
Tgt Ion:113 Resp: 158421  
 Ion Ratio Lower Upper  
 113 100  
 55 195.1 184.1 224.1  
 56 142.2 126.0 166.0



#36  
 4-Chloro-3-methylphenol  
 Concen: 37.961 ng  
 RT: 8.64 min Scan# 1114  
 Delta R.T. 0.00 min  
 Lab File: BF111437.D  
 Acq: 14 Dec 2018 23:44

Tgt Ion:107 Resp: 509105  
 Ion Ratio Lower Upper  
 107 100  
 144 25.7 19.8 29.6  
 142 79.8 62.3 93.5





#37

2-Methylnaphthalene

Concen: 40.807 ng

RT: 8.79 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

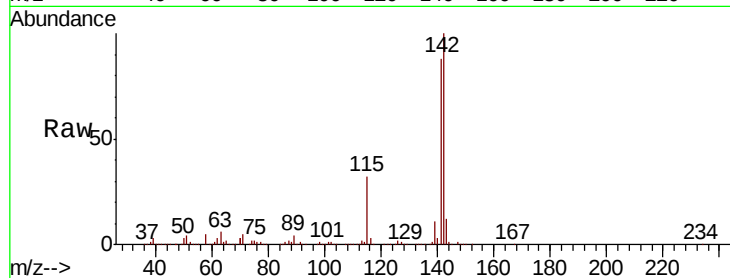
Tgt Ion:142 Resp: 1144548

Ion Ratio Lower Upper

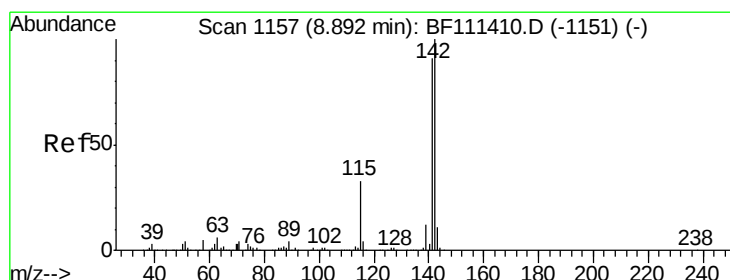
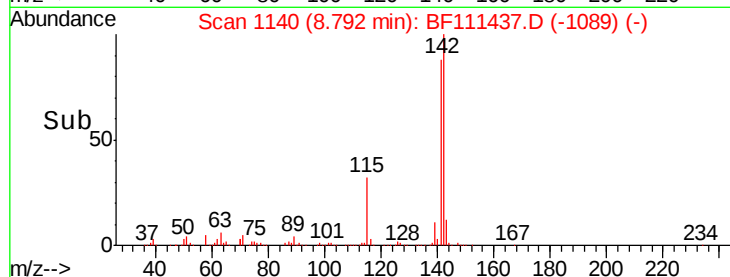
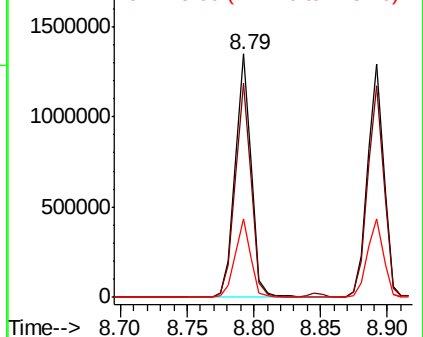
142 100

141 87.8 70.6 105.8

115 32.3 27.0 40.6



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



#38

1-Methylnaphthalene

Concen: 39.509 ng

RT: 8.89 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

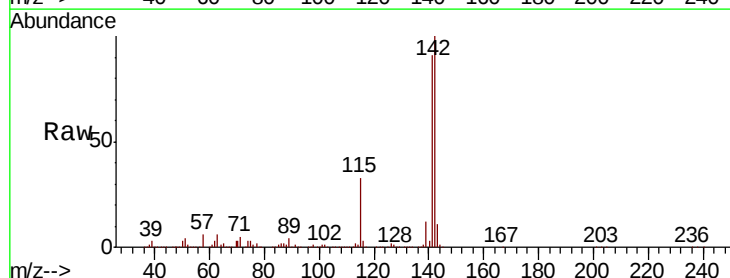
Tgt Ion:142 Resp: 1070546

Ion Ratio Lower Upper

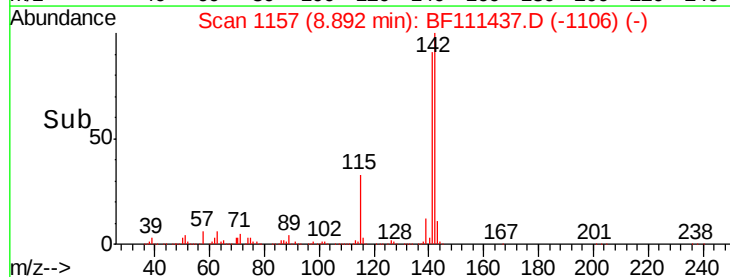
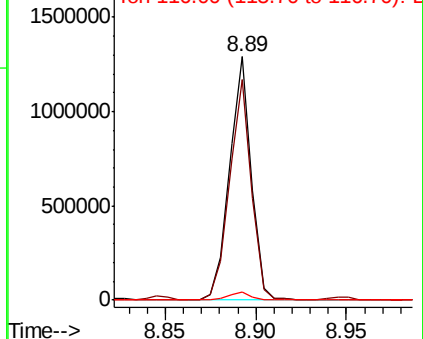
142 100

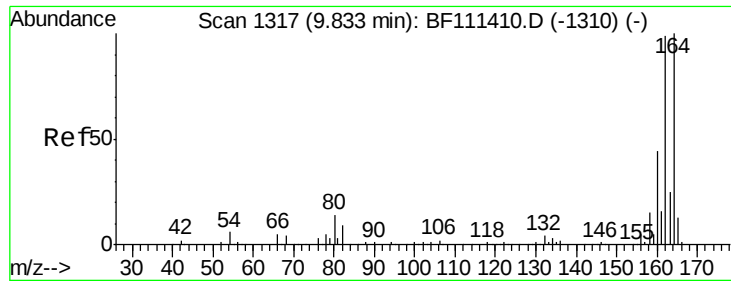
141 90.7 74.2 111.4

116 3.4 2.9 4.3



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

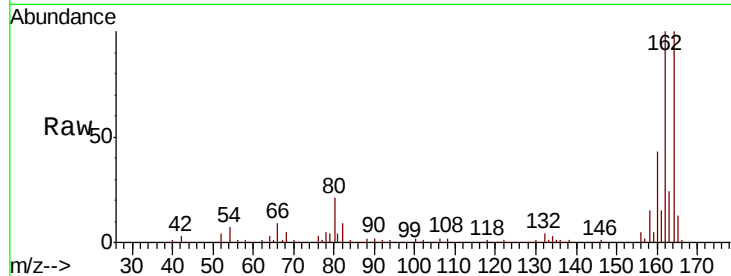
Tgt Ion:164 Resp: 363114

Ion Ratio Lower Upper

164 100

162 100.3 81.4 122.0

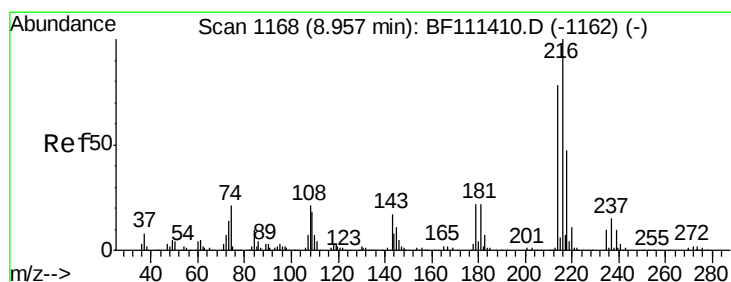
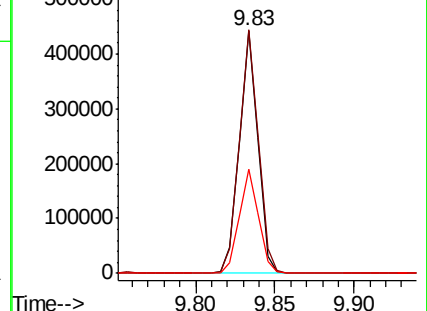
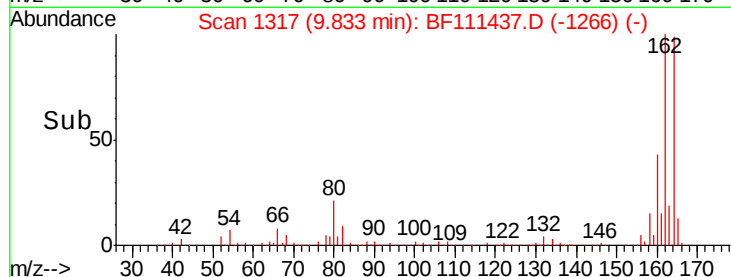
160 43.1 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.016 ng

RT: 8.96 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Tgt Ion:216 Resp: 428356

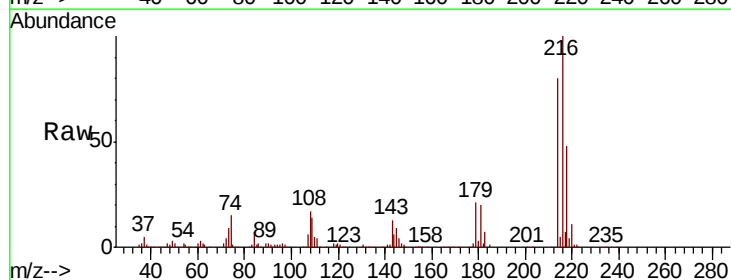
Ion Ratio Lower Upper

216 100

214 79.5 63.8 95.8

179 22.0 17.9 26.9

108 20.2 18.4 27.6

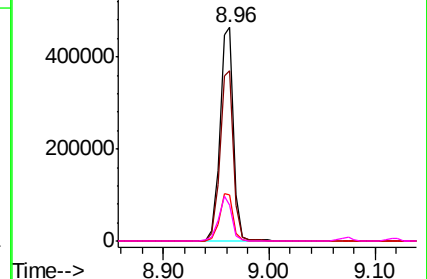
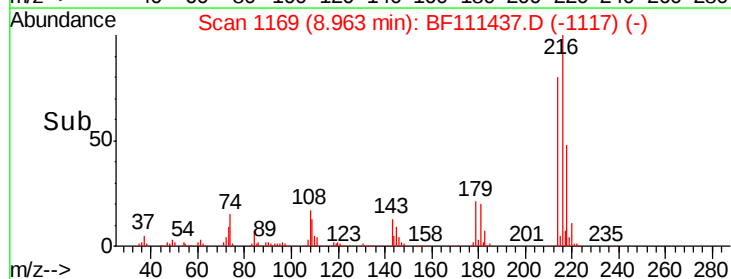


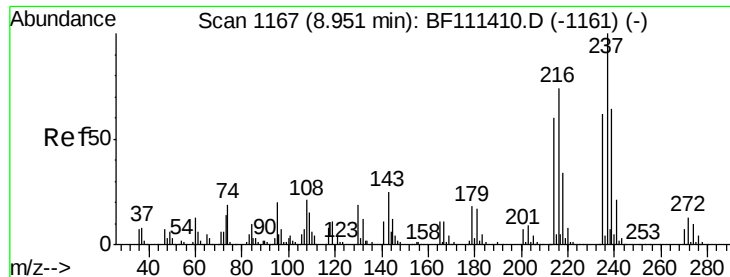
Abundance Ion 216.00 (215.70 to 216.70): E

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





#41

Hexachlorocyclopentadiene

Concen: 15.744 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

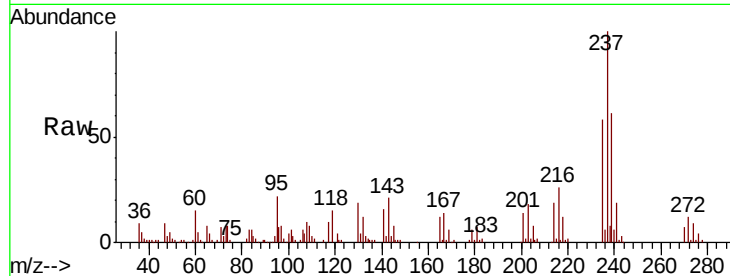
Tgt Ion: 237 Resp: 80494

Ion Ratio Lower Upper

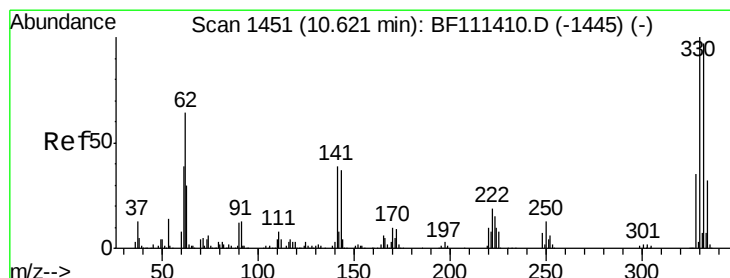
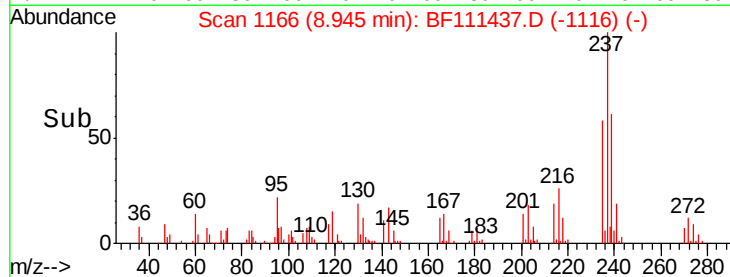
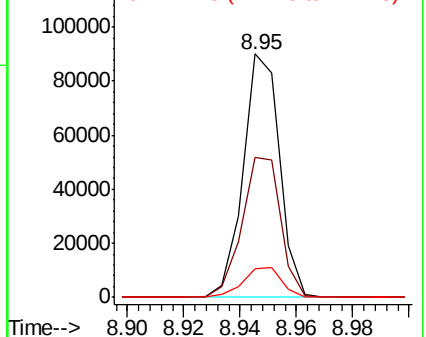
237 100

235 57.7 43.1 83.1

272 11.9 0.0 33.0



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



#42

2,4,6-Tribromophenol

Concen: 104.610 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

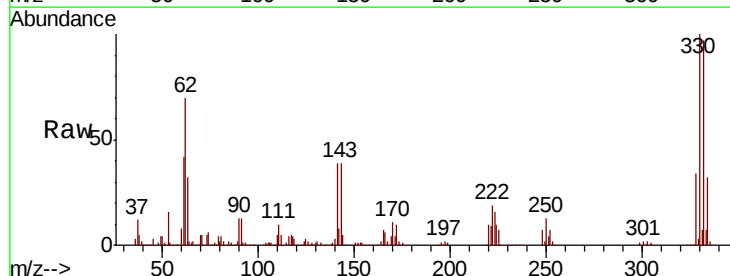
Tgt Ion: 330 Resp: 340268

Ion Ratio Lower Upper

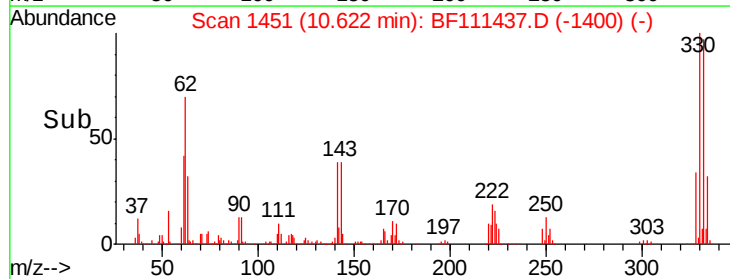
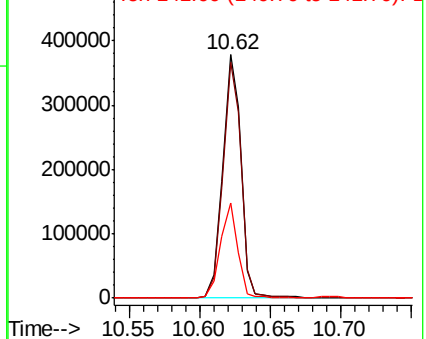
330 100

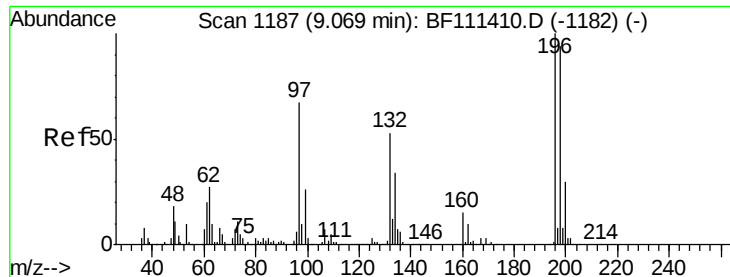
332 97.0 76.0 114.0

141 37.3 31.0 46.6



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





#43

2,4,6-Trichlorophenol

Concen: 42.714 ng

RT: 9.07 min Scan# 1188

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampled :

SB-2MS

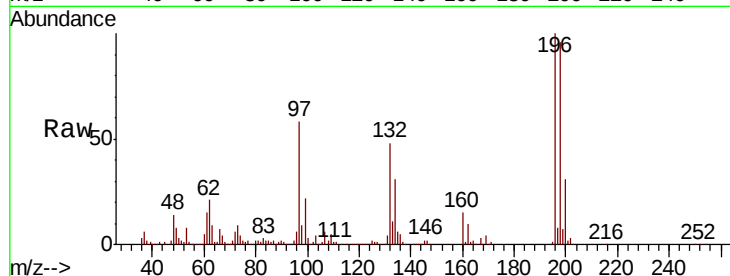
Tgt Ion:196 Resp: 301042

Ion Ratio Lower Upper

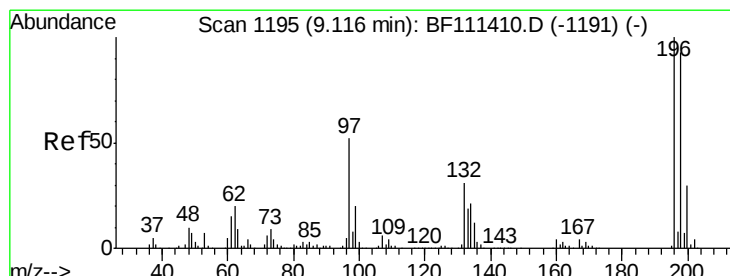
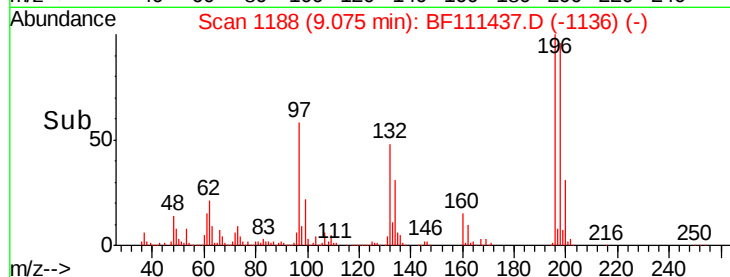
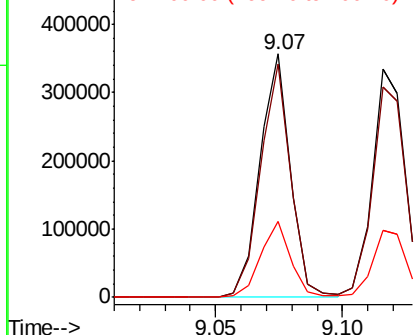
196 100

198 95.7 76.3 114.5

200 31.1 24.9 37.3



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



#44

2,4,5-Trichlorophenol

Concen: 41.475 ng

RT: 9.12 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Tgt Ion:196 Resp: 311058

Ion Ratio Lower Upper

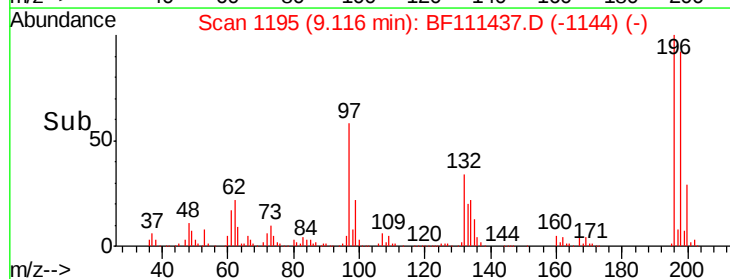
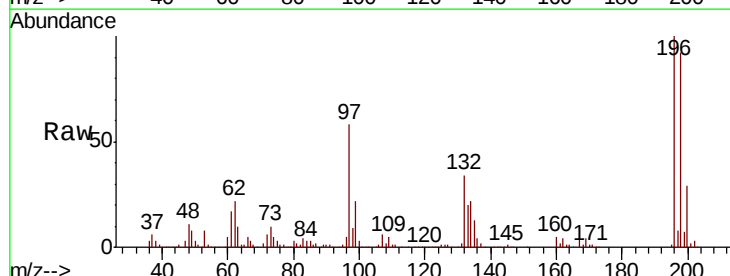
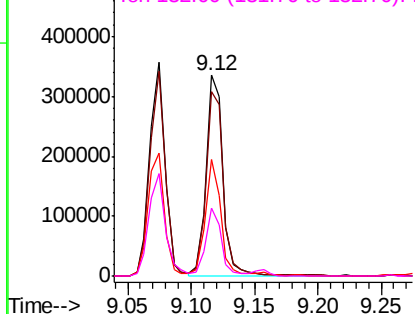
196 100

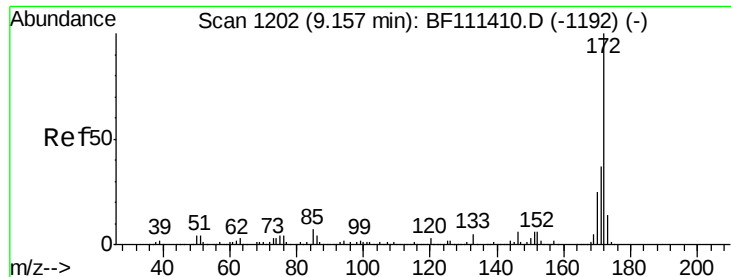
198 91.9 72.9 109.3

97 57.9 45.3 67.9

132 33.6 25.5 38.3

Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 97.00 (96.70 to 97.70): BF1  
Ion 132.00 (131.70 to 132.70): E

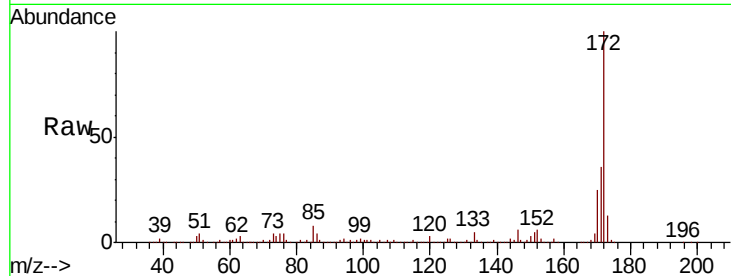




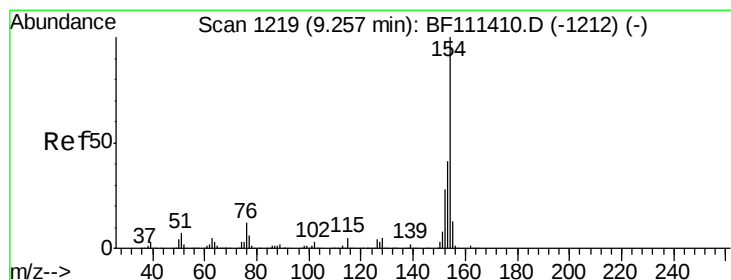
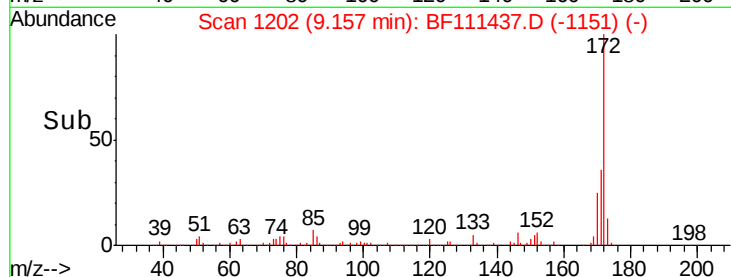
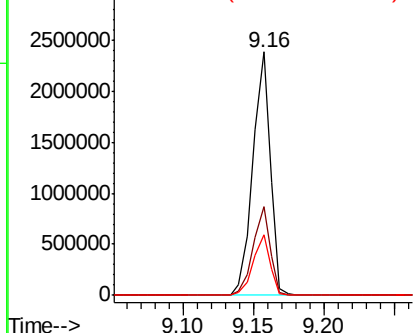
#45  
2-Fluorobiphenyl  
Concen: 89.041 ng  
RT: 9.16 min Scan# 1202  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

Tgt Ion:172 Resp: 2093176  
Ion Ratio Lower Upper  
172 100  
171 36.5 33.0 49.4  
170 25.1 22.3 33.5

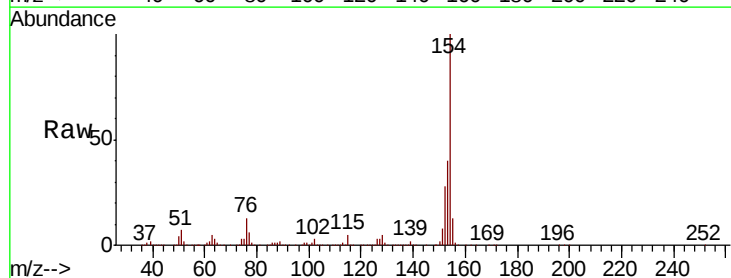


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

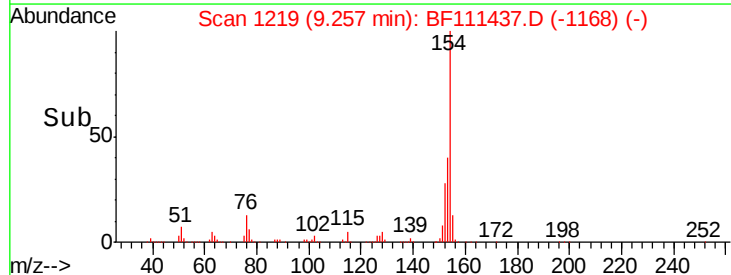
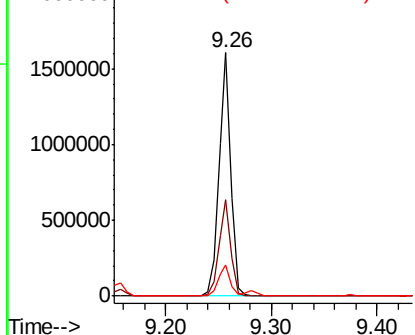


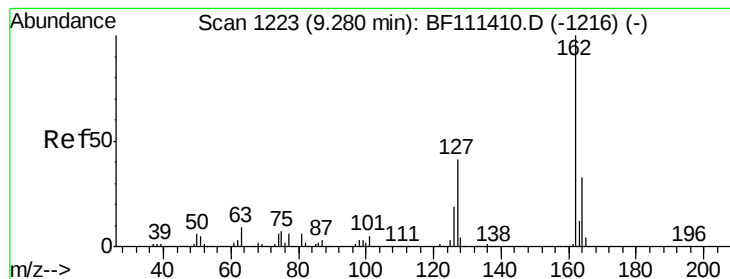
#46  
1,1'-Biphenyl  
Concen: 41.657 ng  
RT: 9.26 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Tgt Ion:154 Resp: 1281660  
Ion Ratio Lower Upper  
154 100  
153 39.7 23.7 63.7  
76 12.7 0.0 35.0



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): BF1





#47

2-Chloronaphthalene

Concen: 41.949 ng

RT: 9.28 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

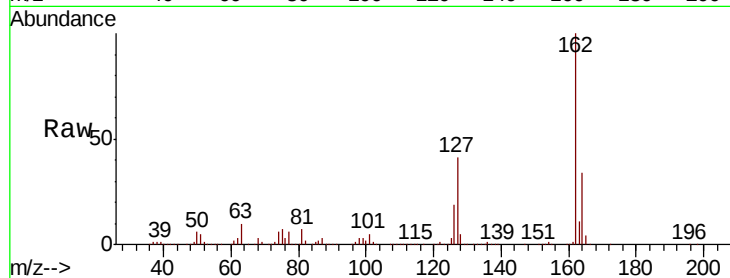
Tgt Ion: 162 Resp: 981051

Ion Ratio Lower Upper

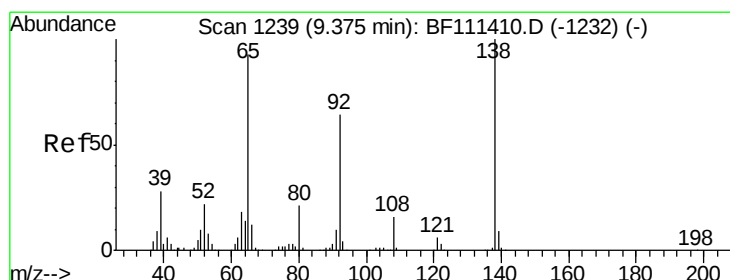
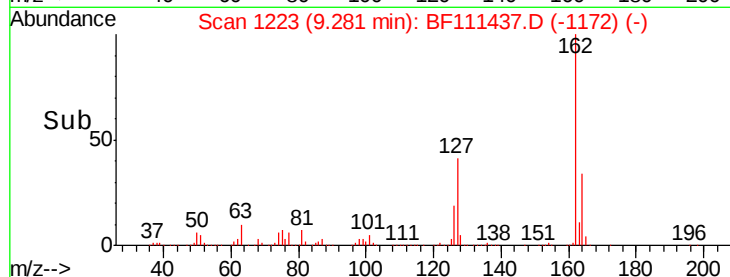
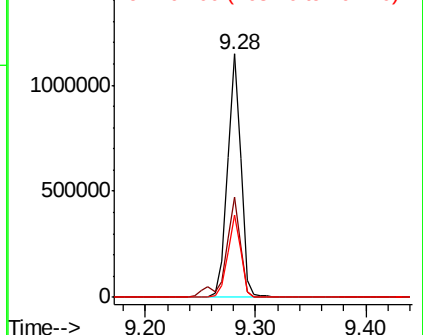
162 100

127 41.3 35.0 52.4

164 33.8 28.4 42.6



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



#48

2-Nitroaniline

Concen: 42.154 ng

RT: 9.37 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

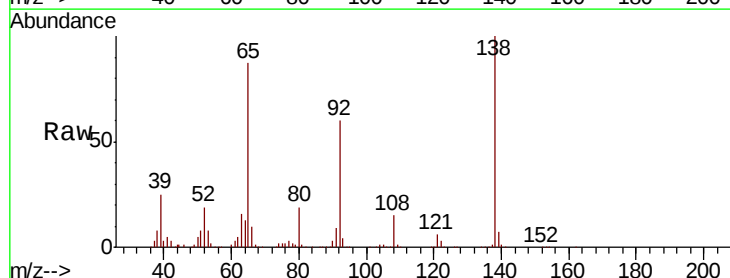
Tgt Ion: 65 Resp: 320093

Ion Ratio Lower Upper

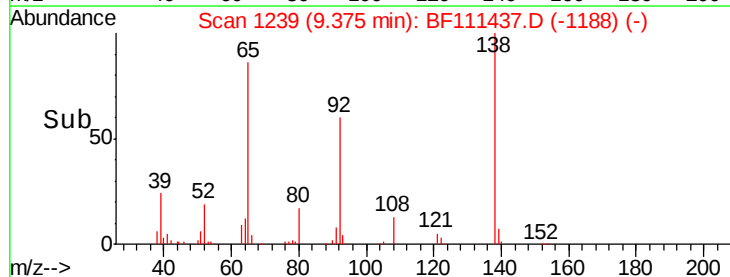
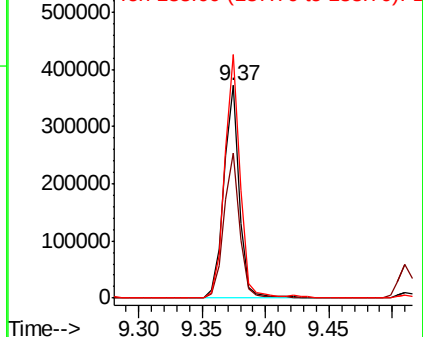
65 100

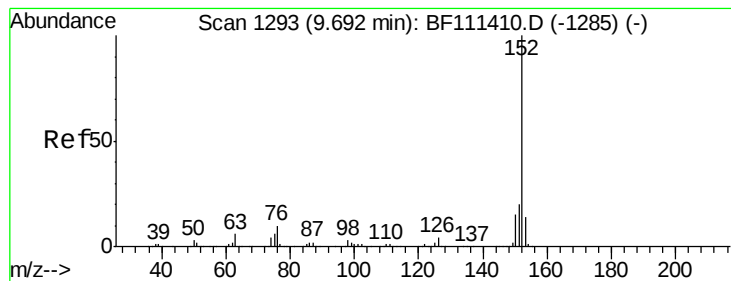
92 68.3 53.5 80.3

138 114.5 80.9 121.3



Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 43.892 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

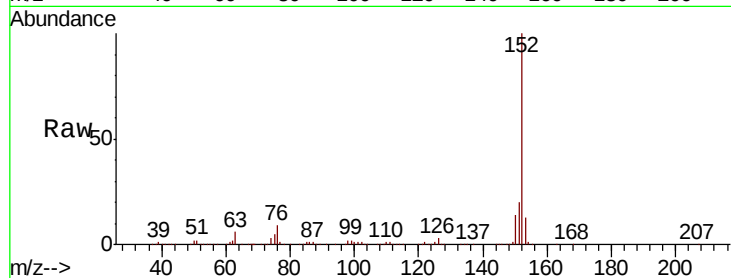
Tgt Ion:152 Resp: 1523676

Ion Ratio Lower Upper

152 100

151 19.9 18.0 27.0

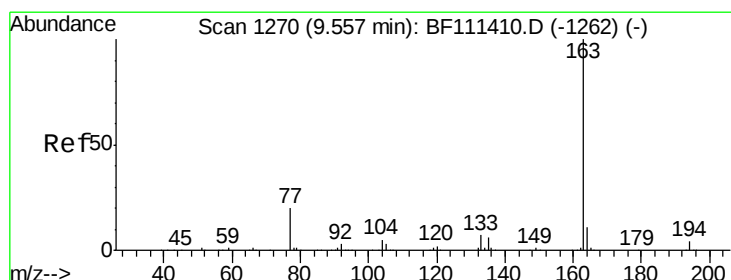
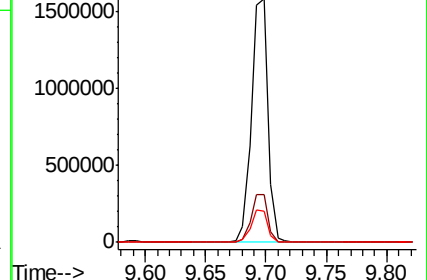
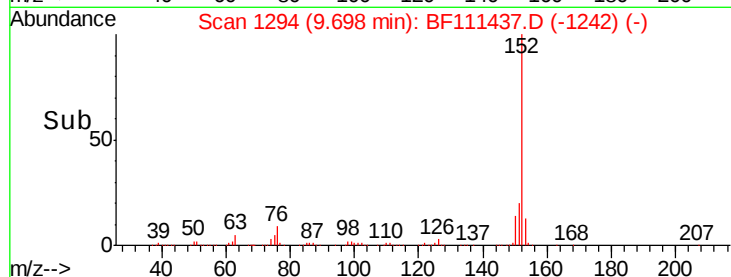
153 13.0 12.3 18.5



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



#50

Dimethylphthalate

Concen: 50.639 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

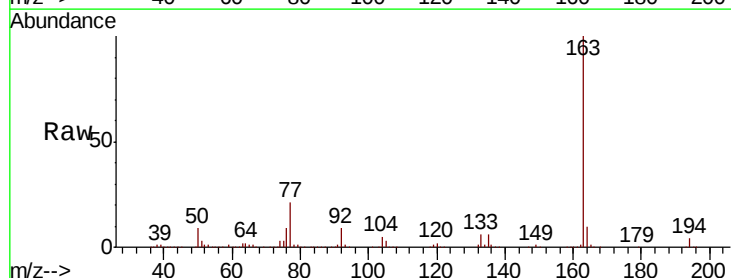
Tgt Ion:163 Resp: 1324255

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

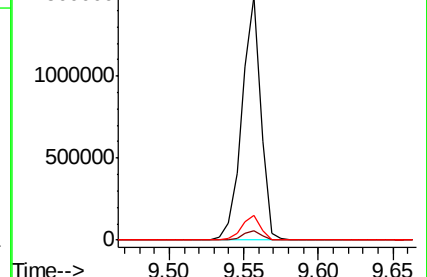
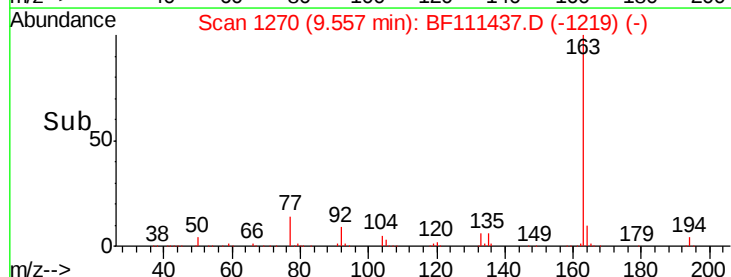
164 10.2 8.9 13.3

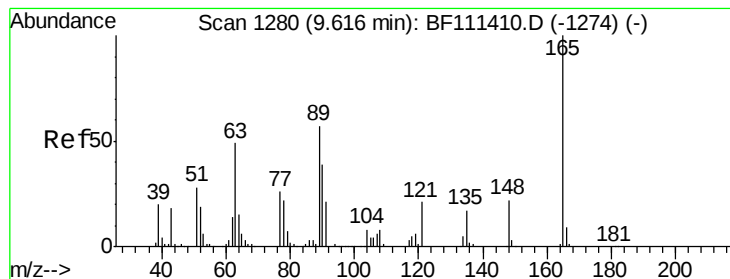


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 39.122 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

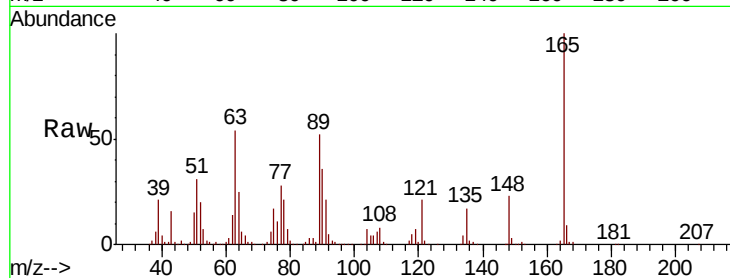
Tgt Ion:165 Resp: 230284

Ion Ratio Lower Upper

165 100

63 54.1 40.5 60.7

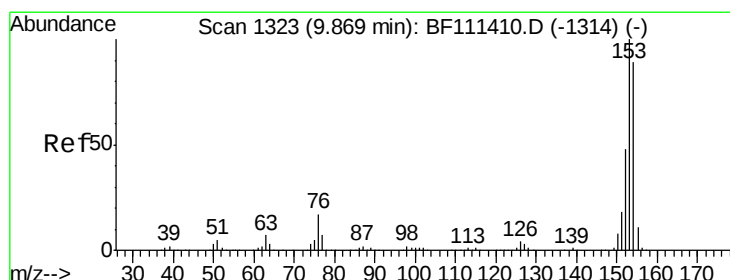
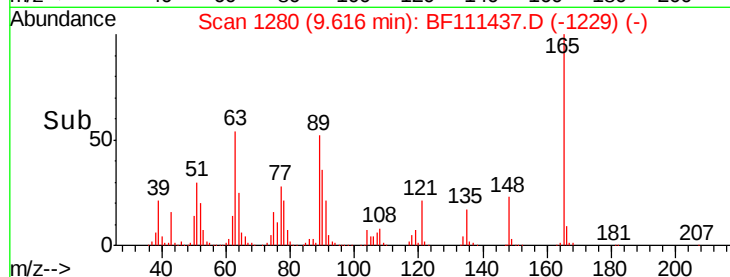
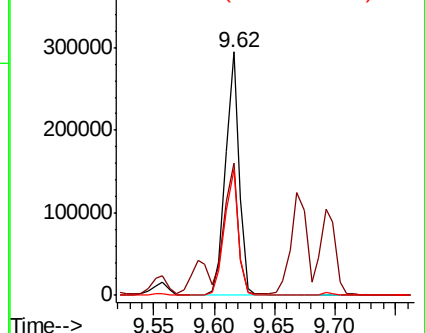
89 51.5 40.0 60.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 39.390 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

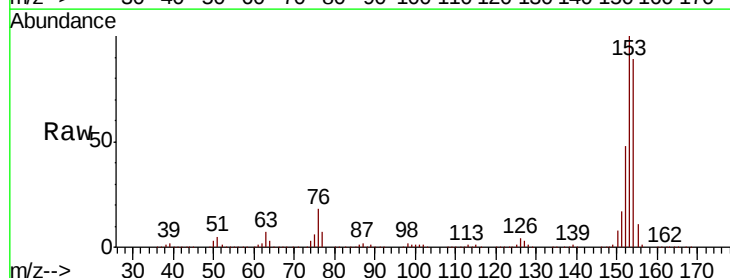
Tgt Ion:154 Resp: 864266

Ion Ratio Lower Upper

154 100

153 112.1 87.8 131.8

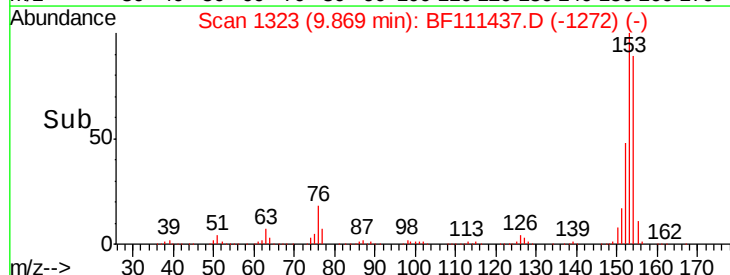
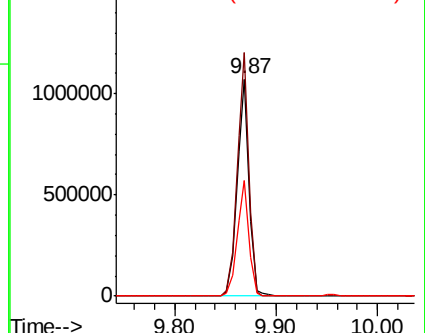
152 53.4 43.4 65.2

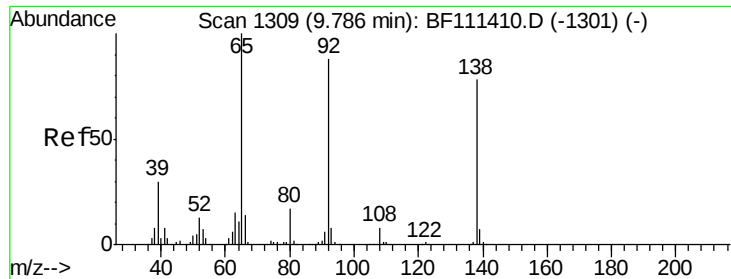


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

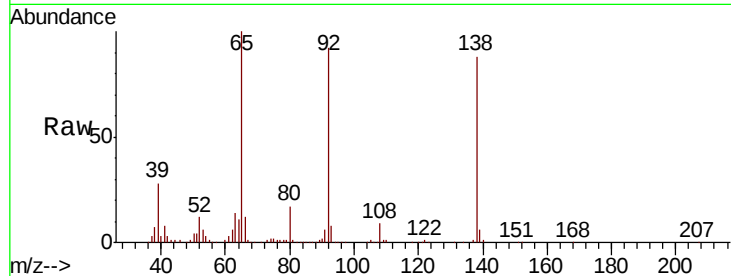




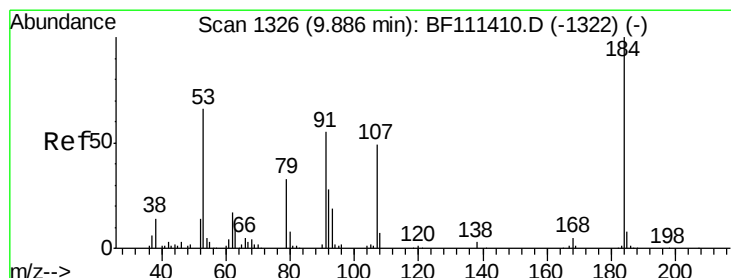
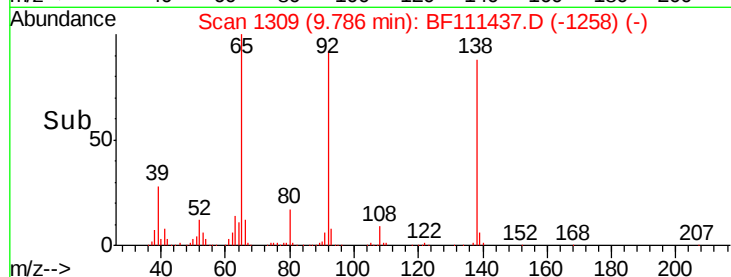
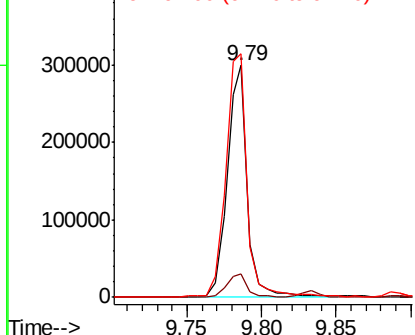
#53  
3-Nitroaniline  
Concen: 39.766 ng  
RT: 9.79 min Scan# 1309  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

Tgt Ion:138 Resp: 284311  
Ion Ratio Lower Upper  
138 100  
108 10.1 8.2 12.4  
92 105.0 93.4 140.2

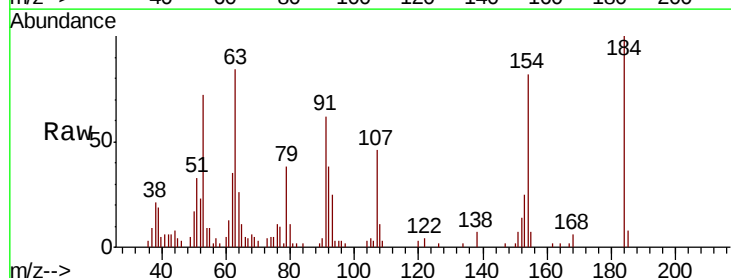


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

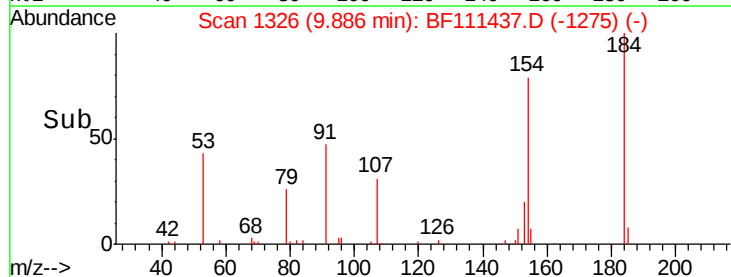
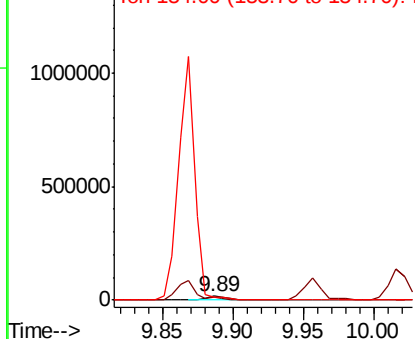


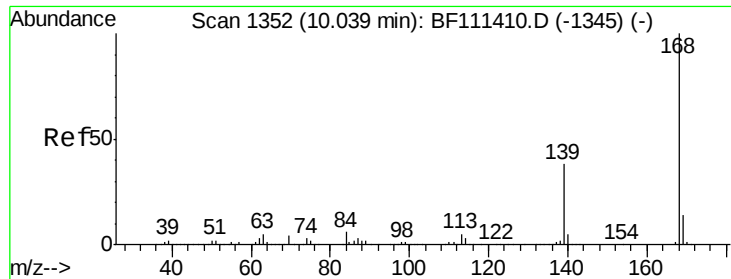
#54  
2,4-Dinitrophenol  
Concen: 9.102 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Tgt Ion:184 Resp: 20383  
Ion Ratio Lower Upper  
184 100  
63 84.3 62.3 93.5  
154 81.9 56.2 84.2



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

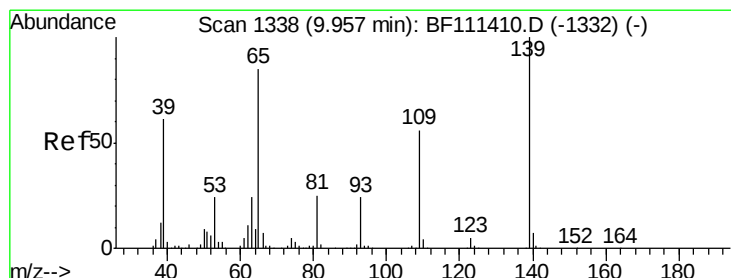
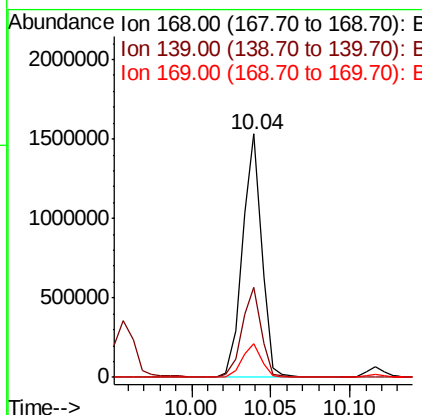
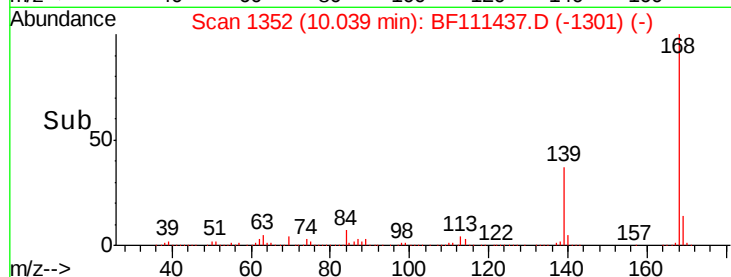
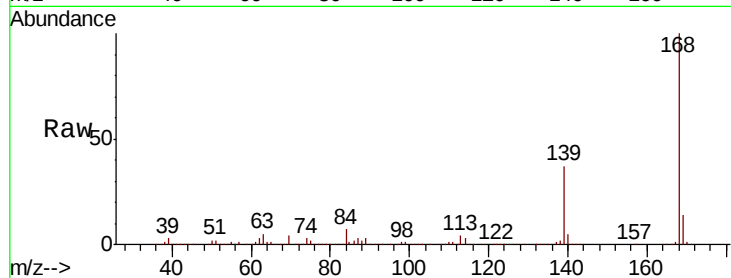




#55  
Dibenzofuran  
Concen: 40.146 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

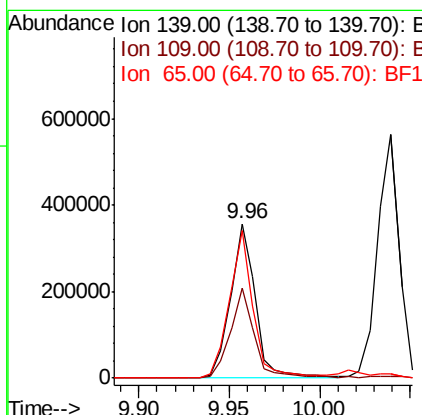
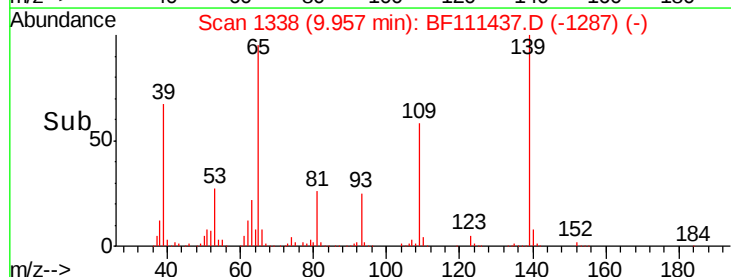
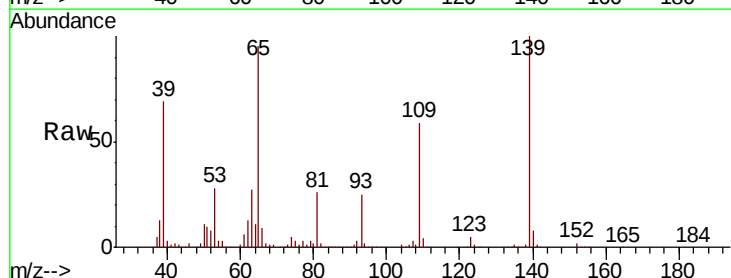
Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

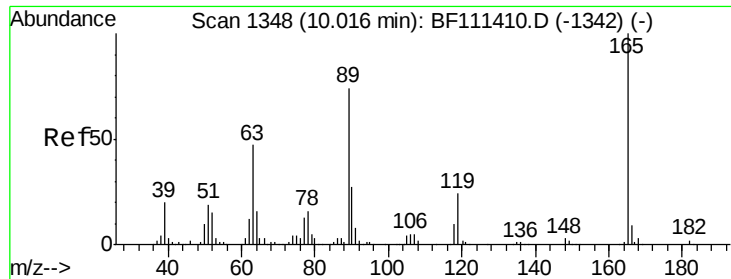
Tgt Ion:168 Resp: 1278576  
Ion Ratio Lower Upper  
168 100  
139 36.7 32.6 49.0  
169 13.9 11.8 17.6



#56  
4-Nitrophenol  
Concen: 69.172 ng  
RT: 9.96 min Scan# 1338  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Tgt Ion:139 Resp: 342254  
Ion Ratio Lower Upper  
139 100  
109 58.5 41.8 81.8  
65 95.4 79.6 119.6

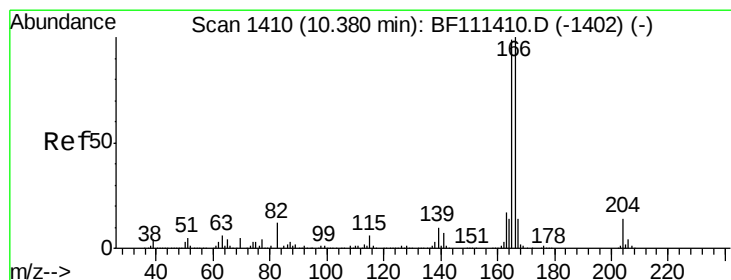
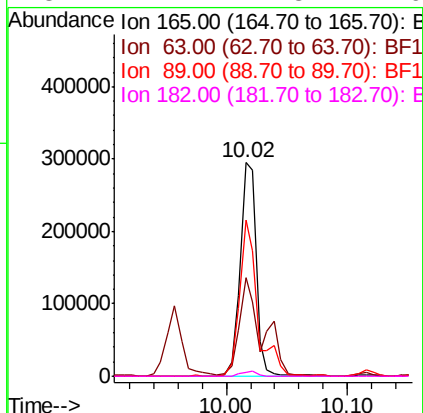
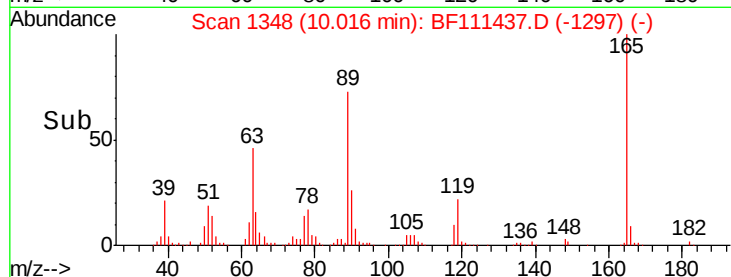
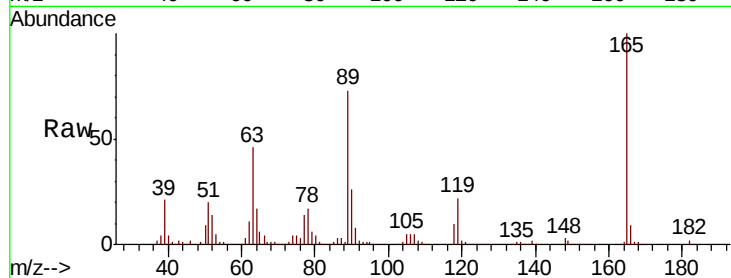




#57  
2,4-Dinitrotoluene  
Concen: 35.869 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

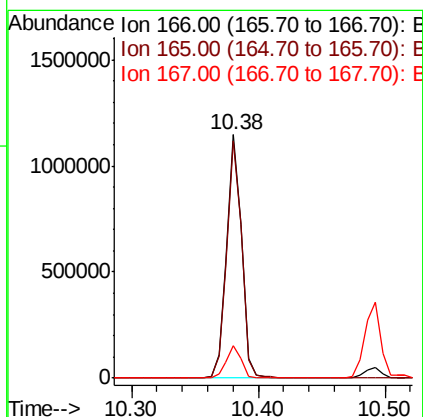
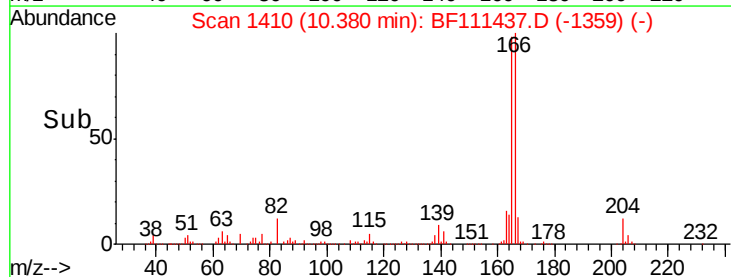
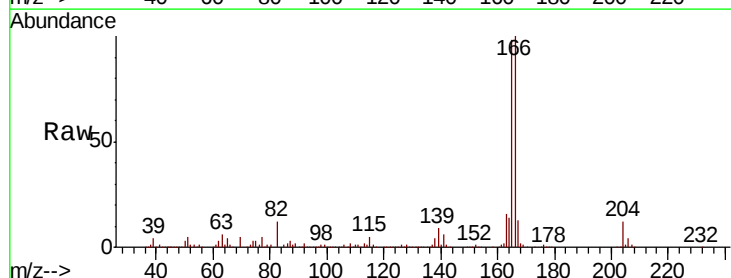
Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

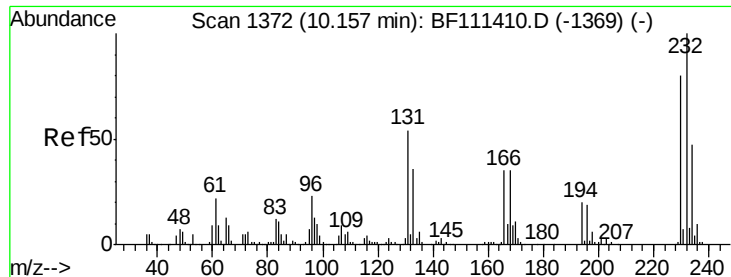
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 46.3  | 34.6  | 52.0  |
| 89      | 72.8  | 56.2  | 84.4  |
| 182     | 2.1   | 1.8   | 2.6   |



#58  
Fluorene  
Concen: 40.545 ng  
RT: 10.38 min Scan# 1410  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.7  | 78.4  | 117.6 |
| 167     | 13.3  | 11.2  | 16.8  |

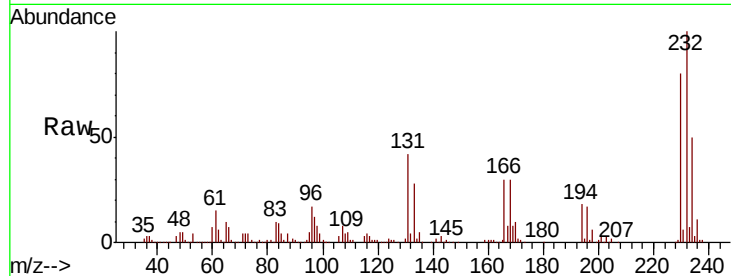




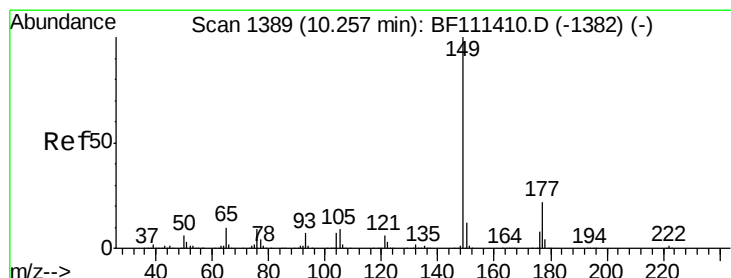
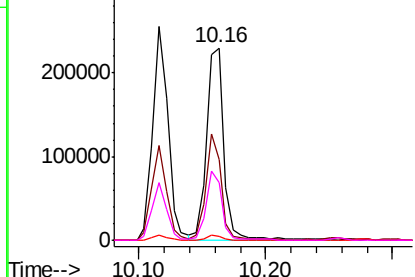
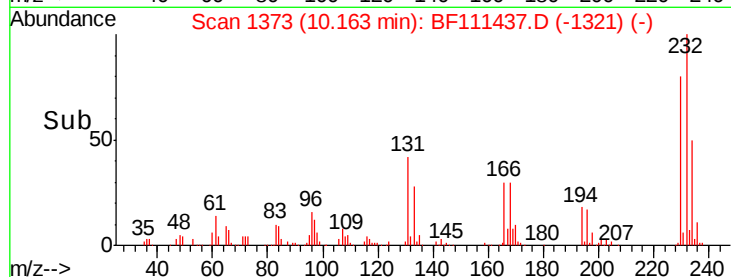
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 37.477 ng  
RT: 10.16 min Scan# 1373  
Delta R.T. 0.01 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

Tgt Ion: 232 Resp: 219608  
Ion Ratio Lower Upper  
232 100  
131 48.6 40.9 61.3  
130 2.3 2.0 3.0  
166 32.9 26.8 40.2

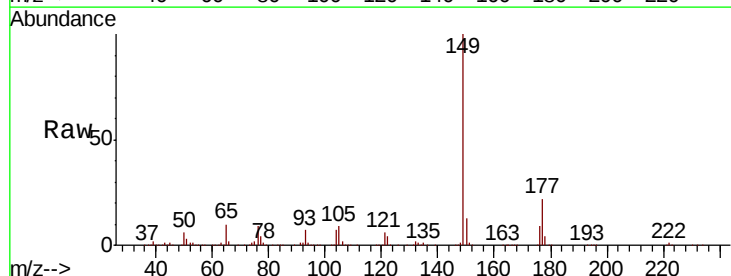


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

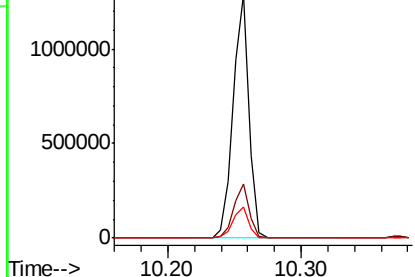
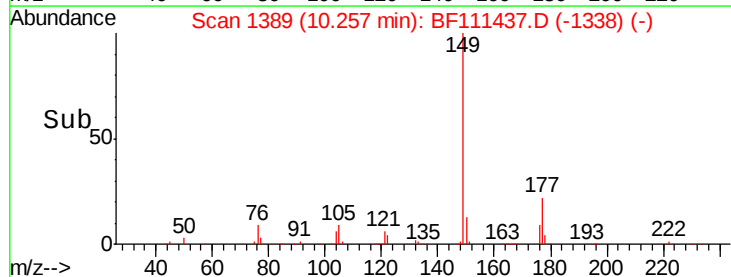


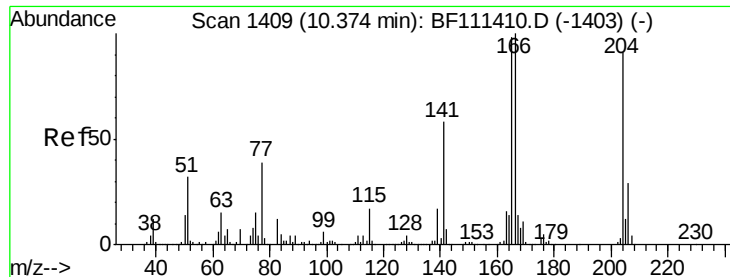
#60  
Diethylphthalate  
Concen: 40.830 ng  
RT: 10.26 min Scan# 1389  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Tgt Ion: 149 Resp: 1081570  
Ion Ratio Lower Upper  
149 100  
177 22.1 18.3 27.5  
150 12.7 10.6 15.8



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

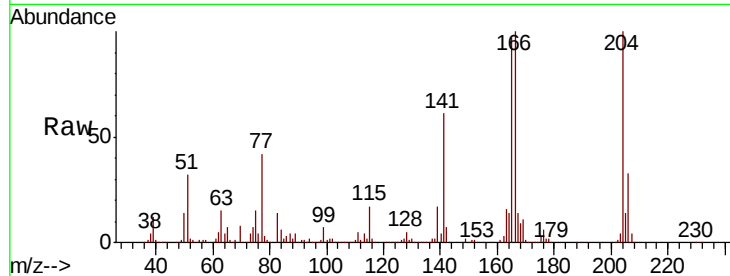




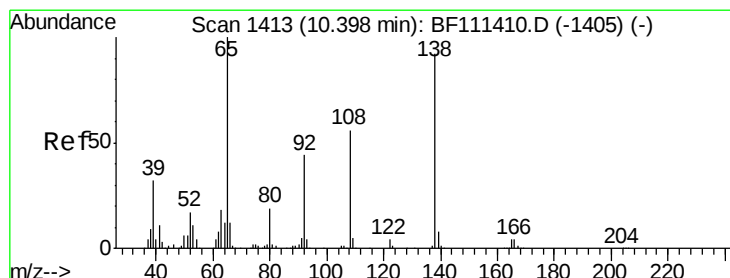
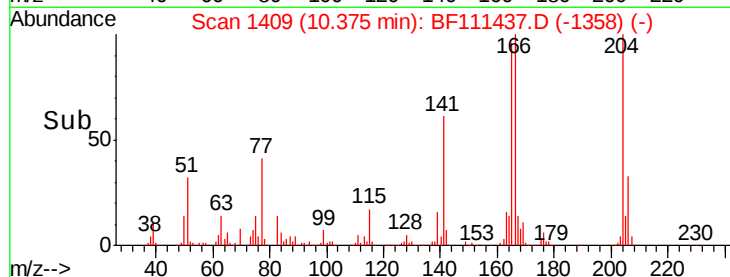
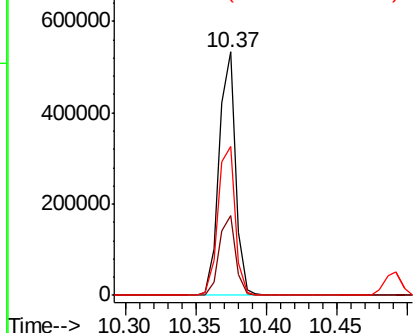
#61  
 4-Chlorophenyl-phenylether  
 Concen: 38.218 ng  
 RT: 10.37 min Scan# 1409  
 Delta R.T. 0.00 min  
 Lab File: BF111437.D  
 Acq: 14 Dec 2018 23:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-2MS

Tgt Ion:204 Resp: 431938  
 Ion Ratio Lower Upper  
 204 100  
 206 32.7 26.6 39.8  
 141 61.0 52.6 78.8

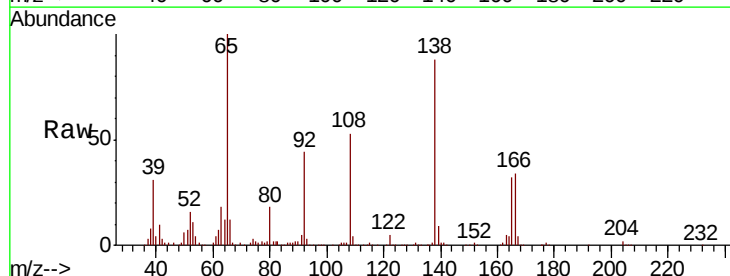


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

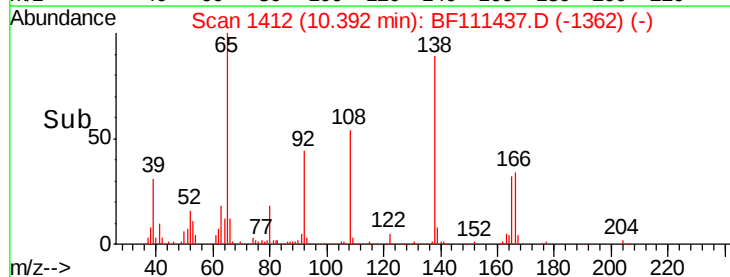
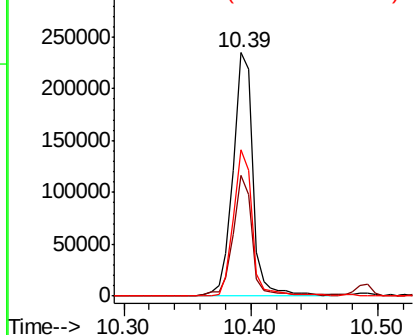


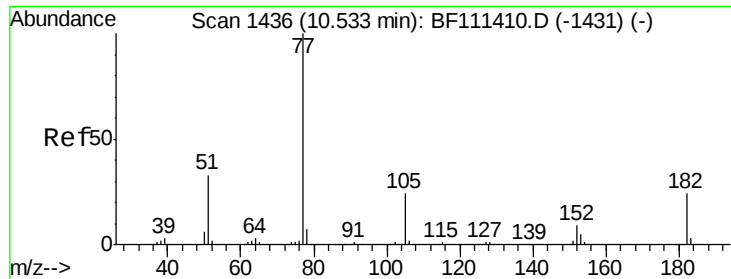
#62  
 4-Nitroaniline  
 Concen: 35.724 ng  
 RT: 10.39 min Scan# 1412  
 Delta R.T. -0.01 min  
 Lab File: BF111437.D  
 Acq: 14 Dec 2018 23:44

Tgt Ion:138 Resp: 252844  
 Ion Ratio Lower Upper  
 138 100  
 92 49.6 29.9 69.9  
 108 60.3 43.2 83.2



Abundance Ion 138.00 (137.70 to 138.70): E  
 Ion 92.00 (91.70 to 92.70): BF1  
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 38.178 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

Tgt Ion: 77 Resp: 996998

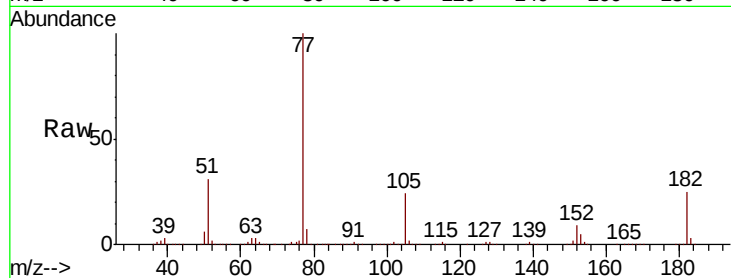
Ion Ratio Lower Upper

77 100

182 24.7 4.9 44.9

105 24.1 6.0 46.0

51 30.8 14.7 54.7

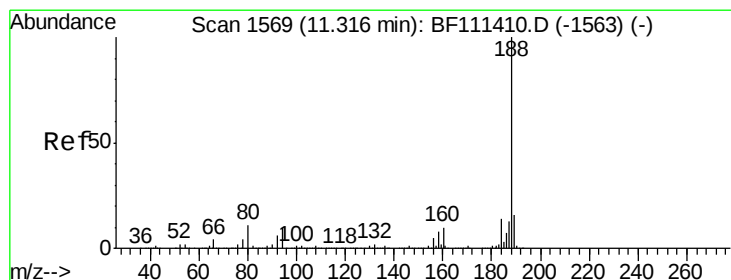
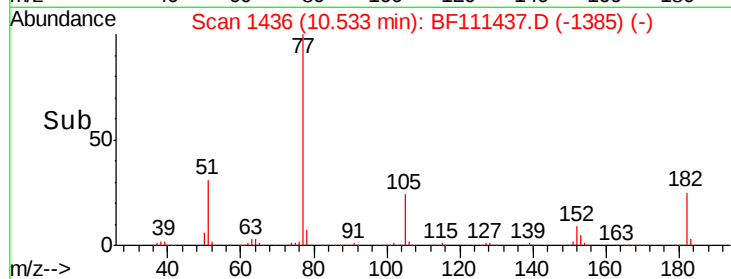
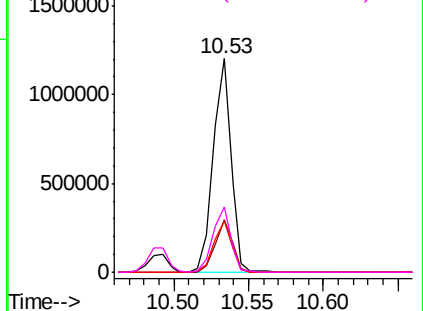


Abundance Ion 77.00 (76.70 to 77.70): BF1

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): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

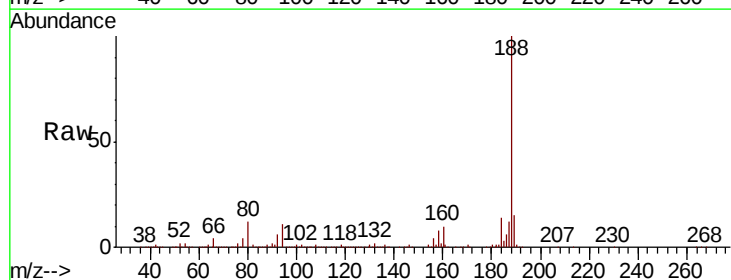
Tgt Ion: 188 Resp: 538758

Ion Ratio Lower Upper

188 100

94 11.0 9.6 14.4

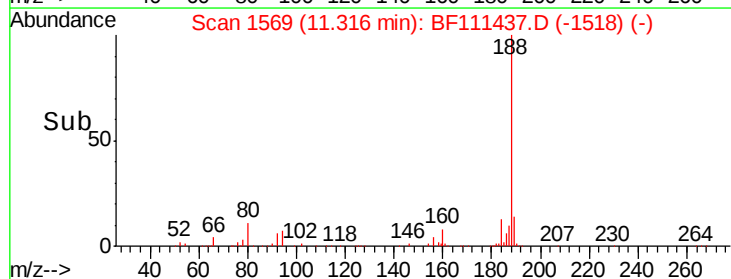
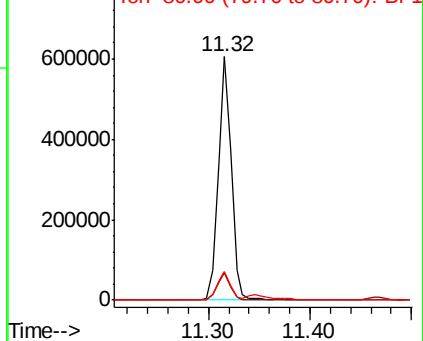
80 11.9 9.8 14.6

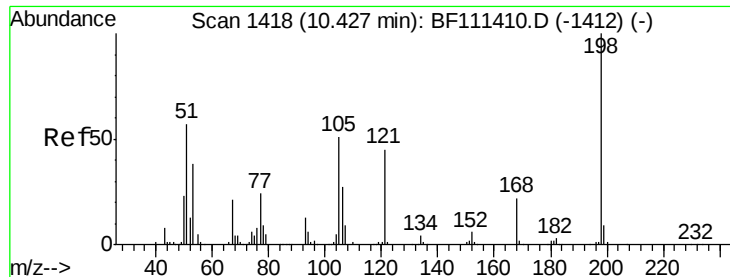


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 7.401 ng

RT: 10.43 min Scan# 1418

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

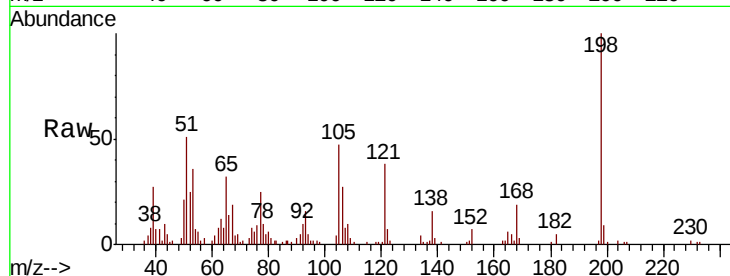
Tgt Ion:198 Resp: 22511

Ion Ratio Lower Upper

198 100

51 51.1 48.0 88.0

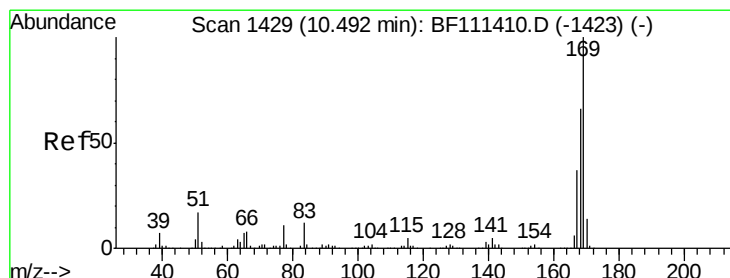
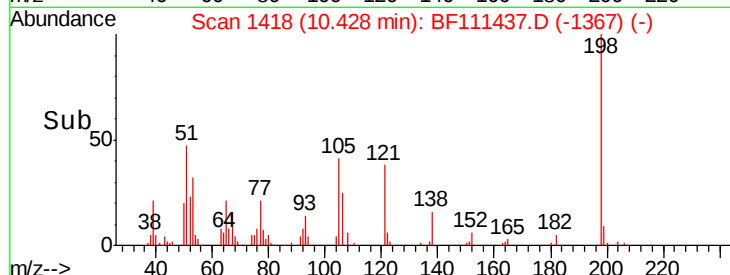
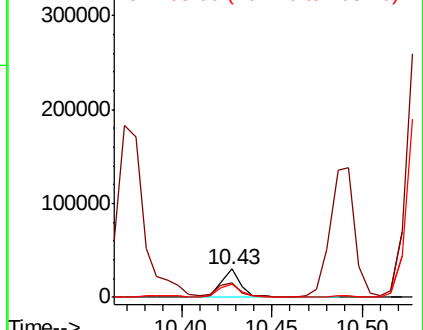
105 46.5 34.0 74.0



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 45.508 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

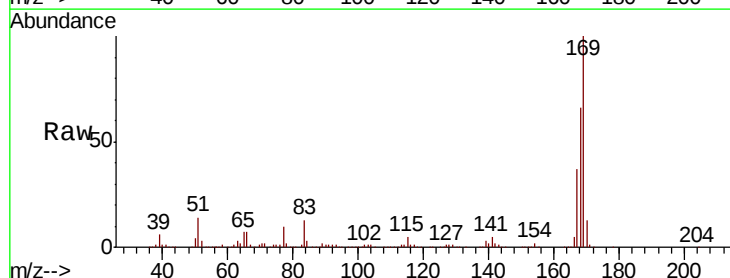
Tgt Ion:169 Resp: 845495

Ion Ratio Lower Upper

169 100

168 66.1 54.4 81.6

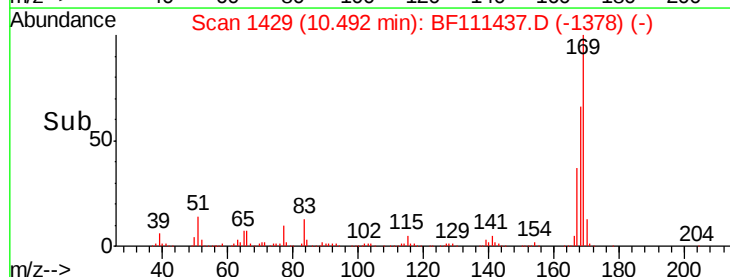
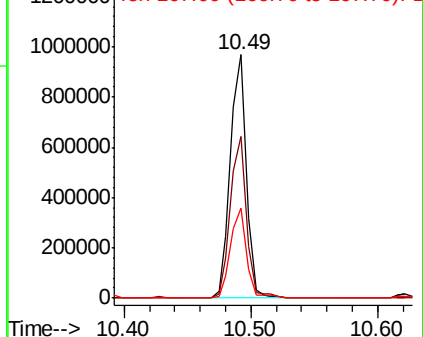
167 36.9 30.5 45.7

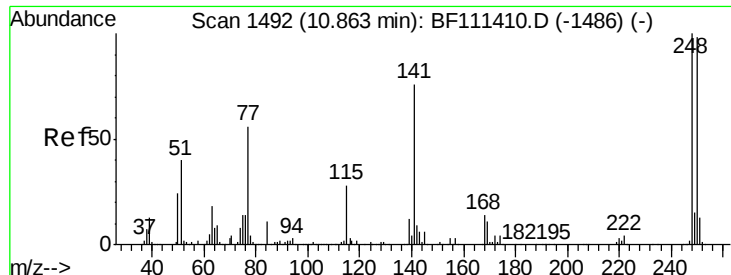


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

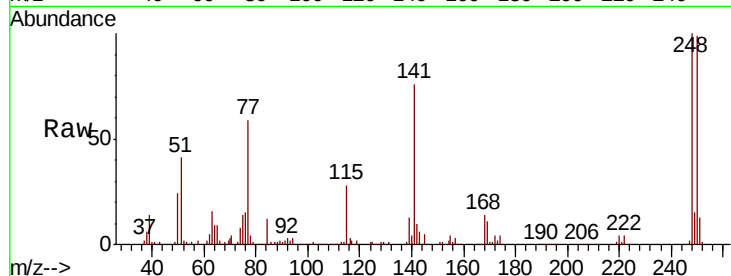




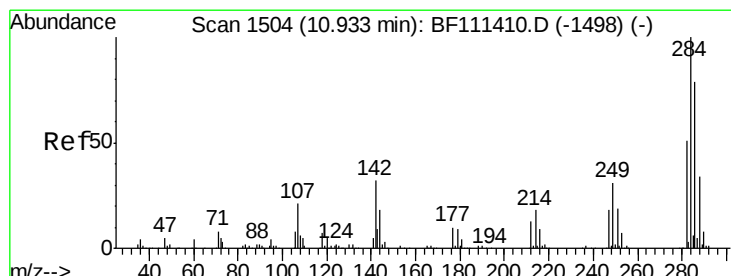
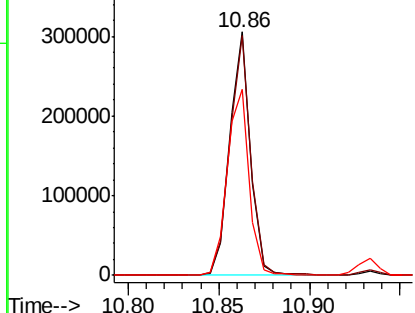
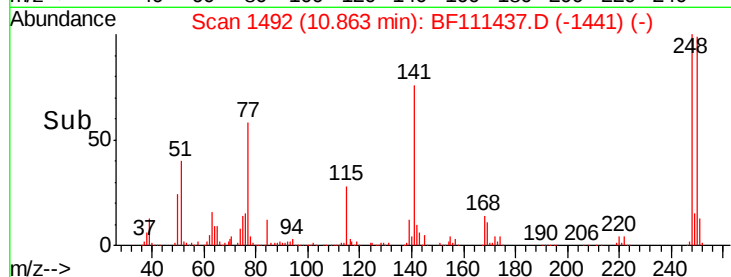
#67  
4-Bromophenyl-phenylether  
Concen: 42.036 ng  
RT: 10.86 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

Tgt Ion:248 Resp: 244090  
Ion Ratio Lower Upper  
248 100  
250 98.6 77.0 115.4  
141 76.4 63.0 94.6

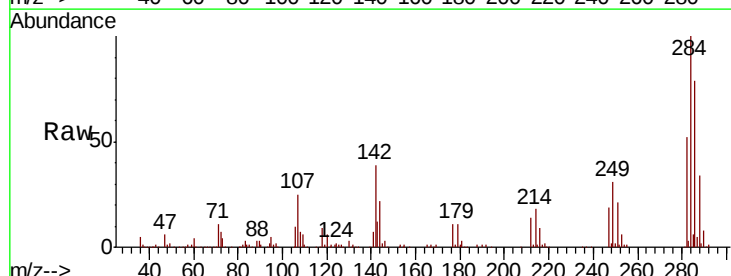


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

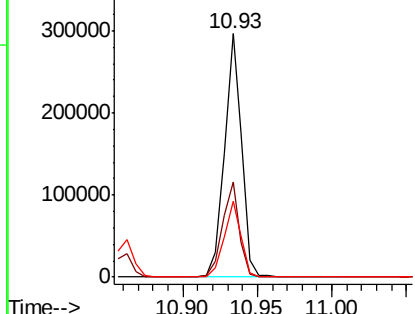
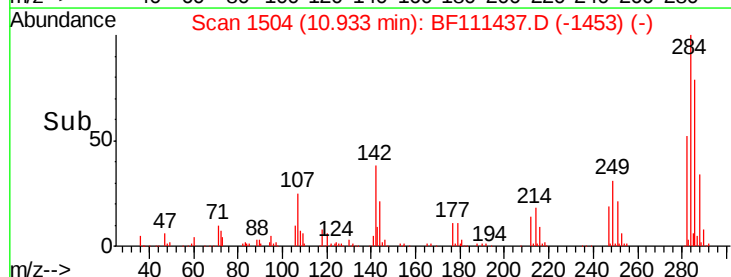


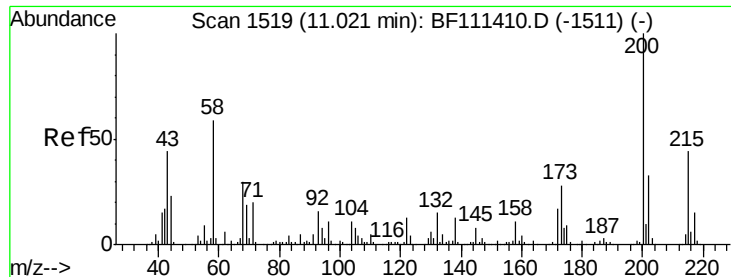
#68  
Hexachlorobenzene  
Concen: 40.209 ng  
RT: 10.93 min Scan# 1504  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Tgt Ion:284 Resp: 240170  
Ion Ratio Lower Upper  
284 100  
142 39.0 27.4 41.2  
249 31.3 24.4 36.6



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

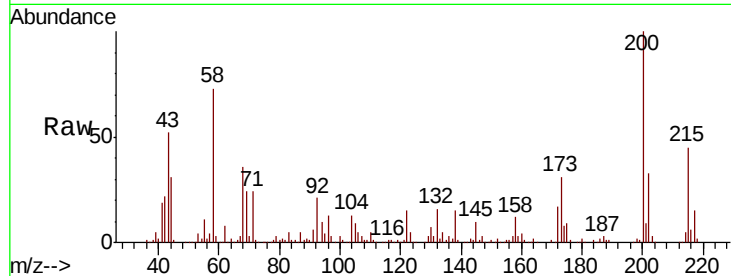




#69  
Atrazine  
Concen: 45.295 ng  
RT: 11.02 min Scan# 1518  
Delta R.T. -0.01 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 30.9  | 10.1  | 50.1  |
| 215     | 45.4  | 26.9  | 66.9  |

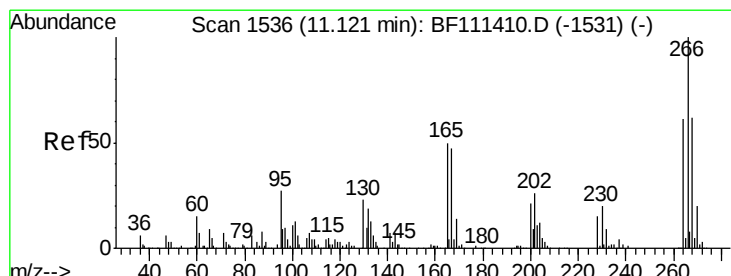
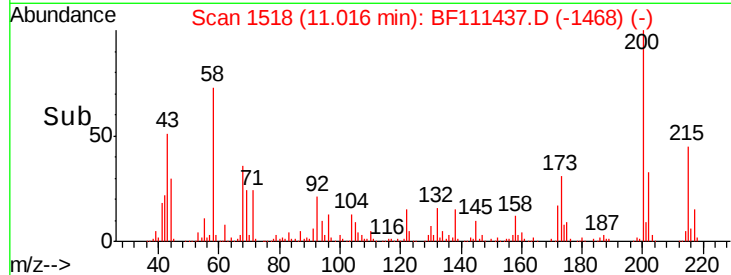
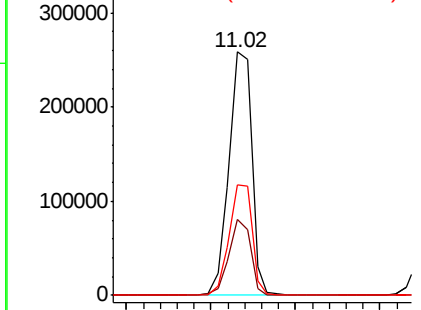


Abundance

Ion 200.00 (199.70 to 200.70): E

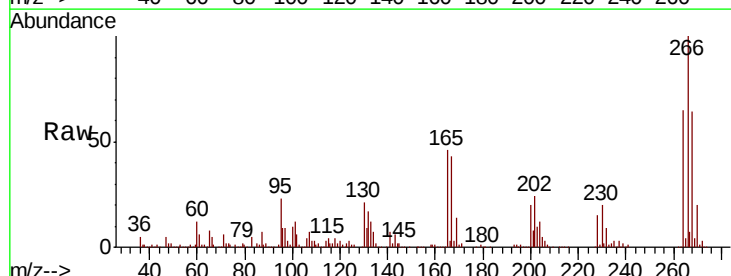
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70  
Pentachlorophenol  
Concen: 65.429 ng  
RT: 11.13 min Scan# 1537  
Delta R.T. 0.01 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.6  | 47.9  | 71.9  |
| 264     | 64.8  | 49.1  | 73.7  |

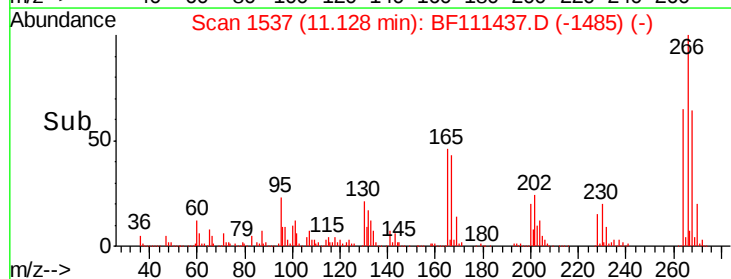
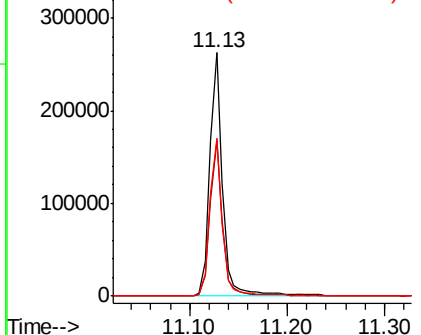


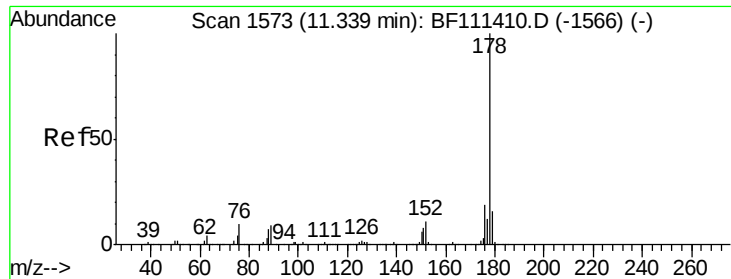
Abundance

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





#71

Phenanthrene

Concen: 42.581 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

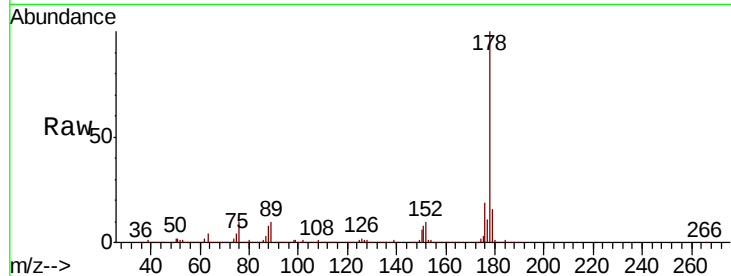
Tgt Ion:178 Resp: 1182103

Ion Ratio Lower Upper

178 100

176 19.3 18.1 27.1

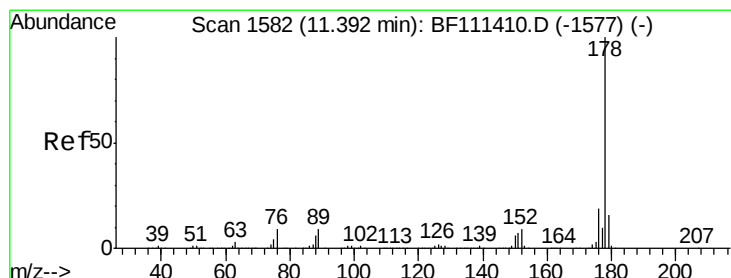
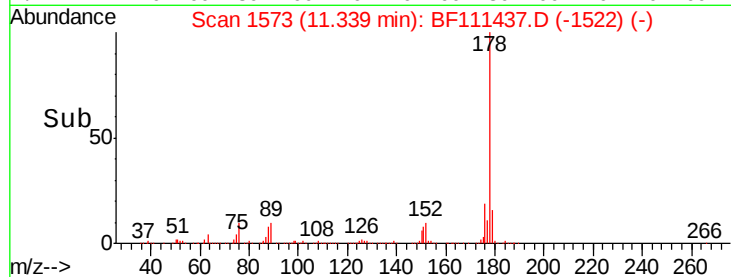
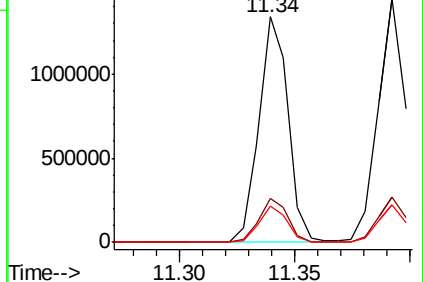
179 16.1 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 43.239 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

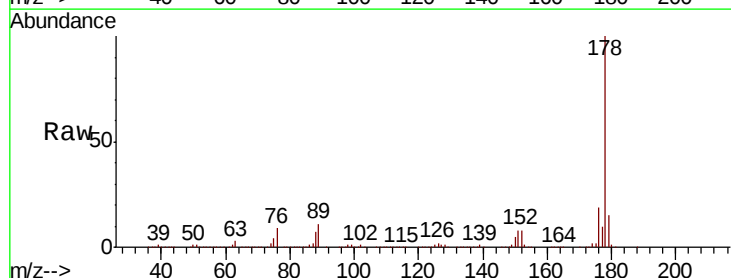
Tgt Ion:178 Resp: 1227591

Ion Ratio Lower Upper

178 100

176 18.7 17.2 25.8

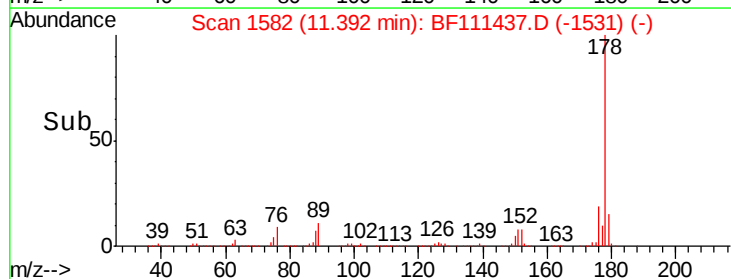
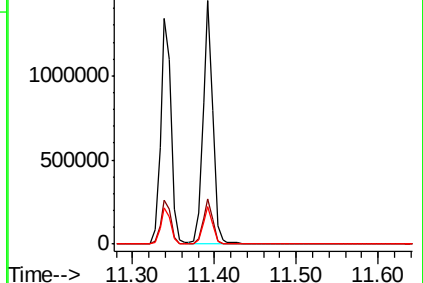
179 15.4 13.8 20.8

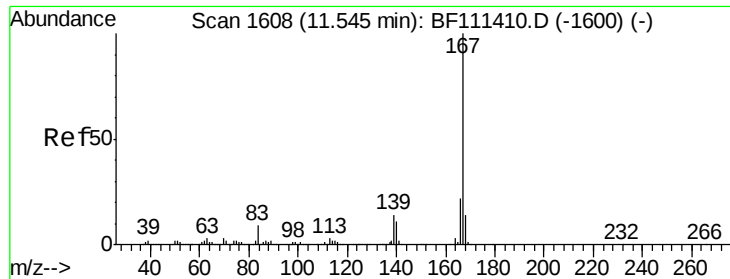


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

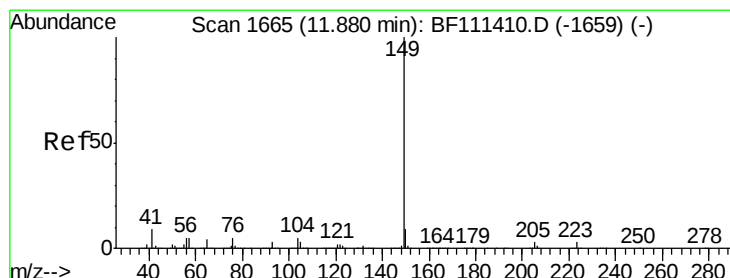
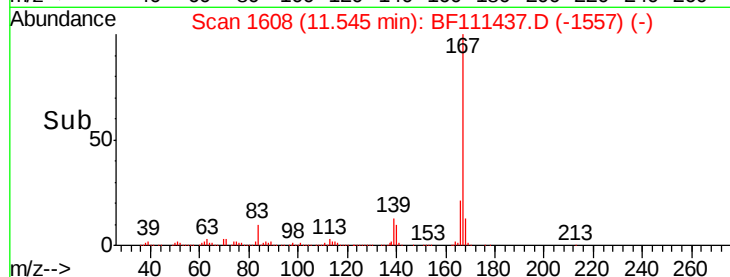
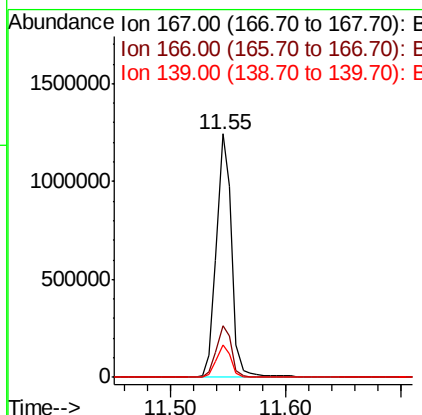
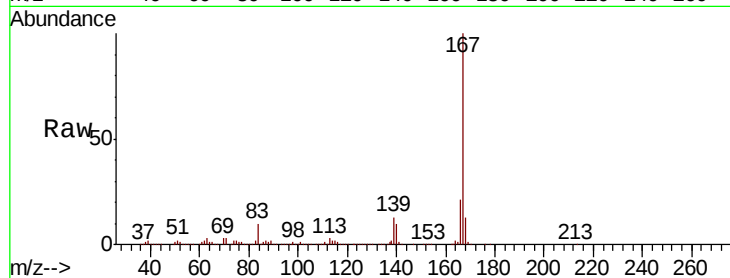




#73  
 Carbazole  
 Concen: 39.015 ng  
 RT: 11.55 min Scan# 1608  
 Delta R.T. 0.00 min  
 Lab File: BF111437.D  
 Acq: 14 Dec 2018 23:44

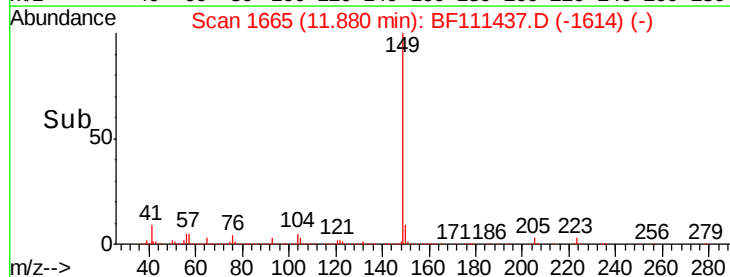
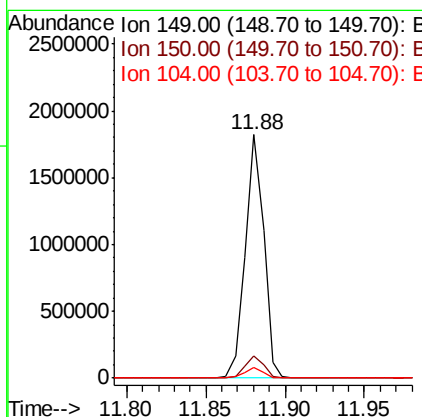
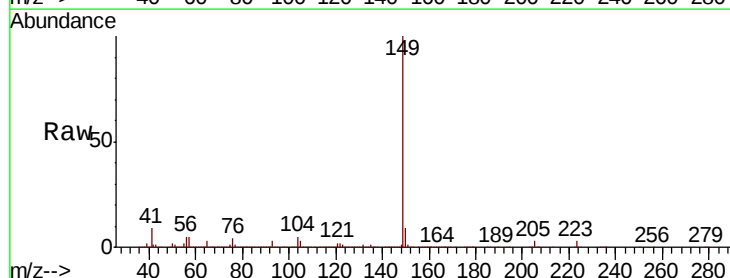
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-2MS

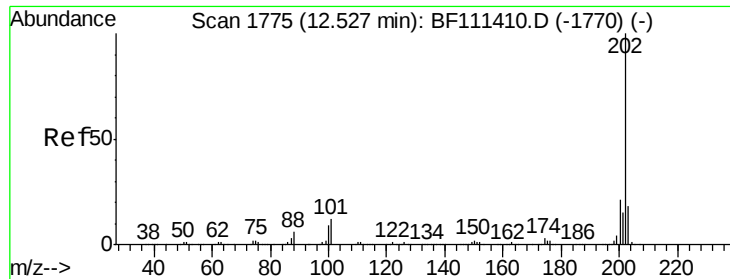
Tgt Ion:167 Resp: 1145423  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 19.3 28.9  
 139 13.3 11.9 17.9



#74  
 Di-n-butylphthalate  
 Concen: 44.844 ng  
 RT: 11.88 min Scan# 1665  
 Delta R.T. 0.00 min  
 Lab File: BF111437.D  
 Acq: 14 Dec 2018 23:44

Tgt Ion:149 Resp: 1466262  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 8.8 13.2  
 104 4.6 4.5 6.7





#75

Fluoranthene

Concen: 43.119 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

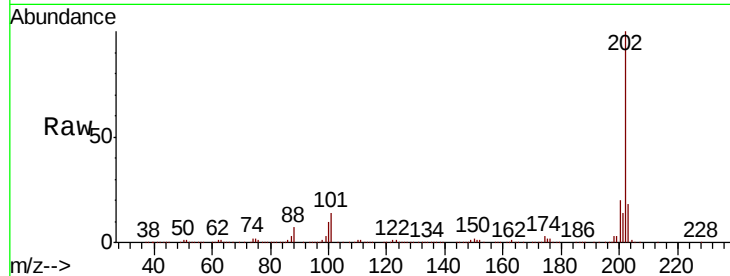
Tgt Ion:202 Resp: 1171050

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.8

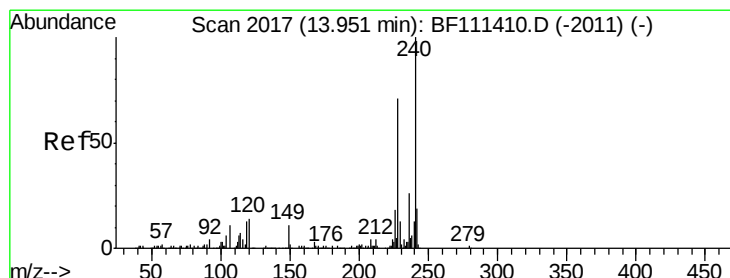
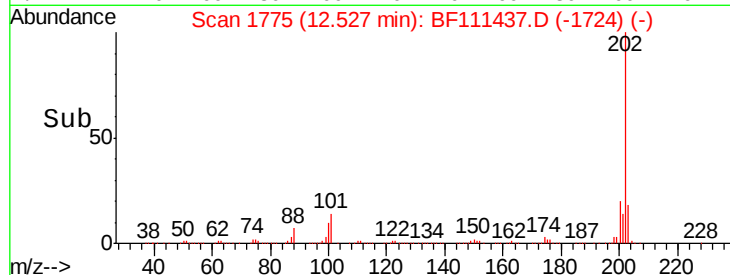
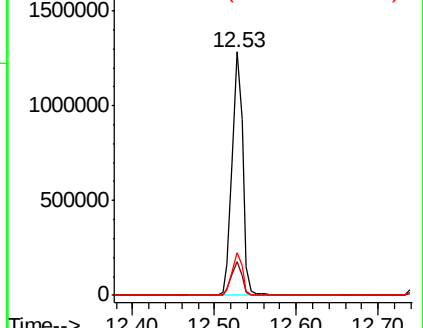
203 17.6 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

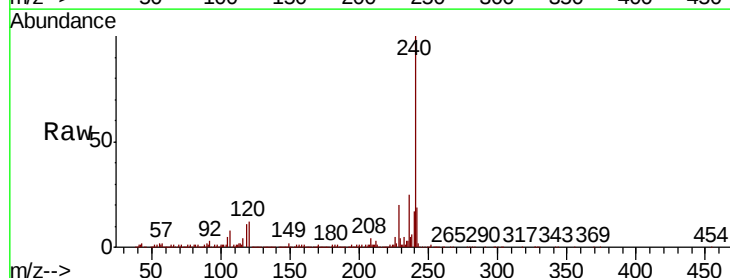
Tgt Ion:240 Resp: 396936

Ion Ratio Lower Upper

240 100

120 12.3 12.2 18.2

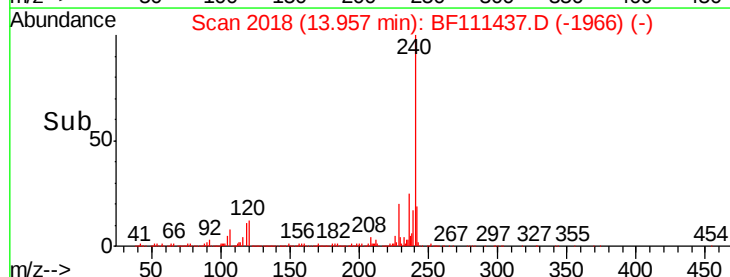
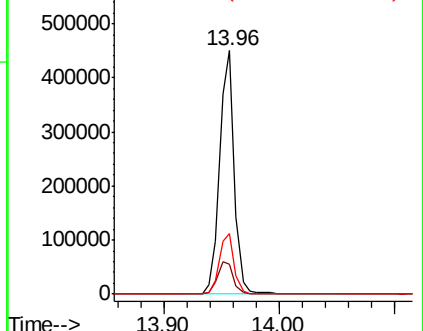
236 24.8 20.2 30.2

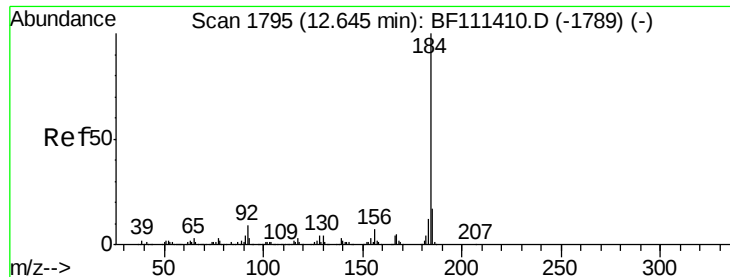


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 28.336 ng

RT: 12.65 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampled :

SB-2MS

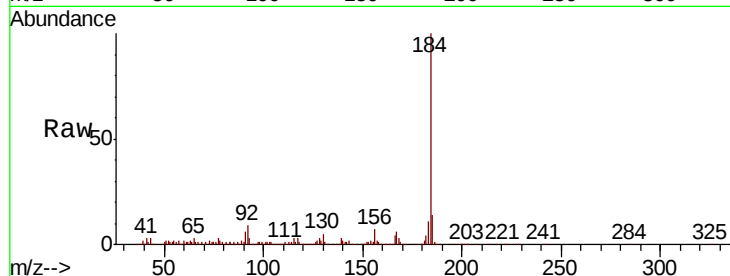
Tgt Ion:184 Resp: 413456

Ion Ratio Lower Upper

184 100

185 14.0 13.0 19.6

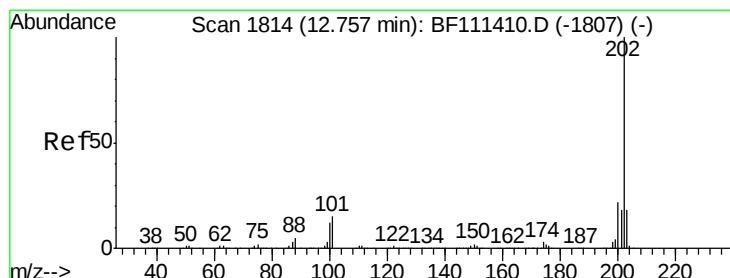
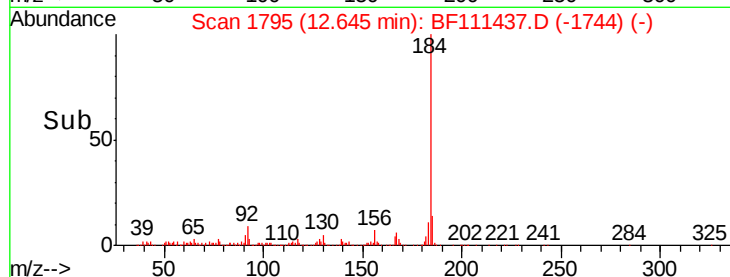
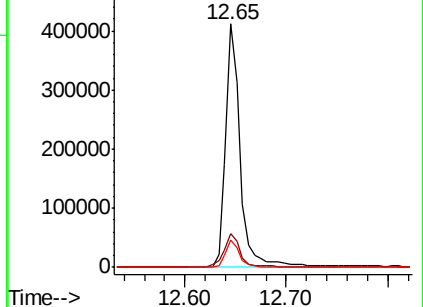
183 11.2 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 42.117 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

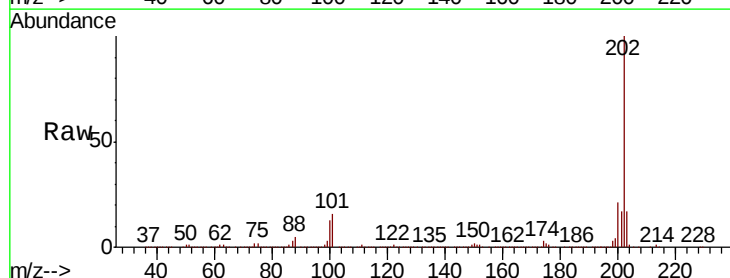
Tgt Ion:202 Resp: 1178651

Ion Ratio Lower Upper

202 100

200 21.0 19.0 28.4

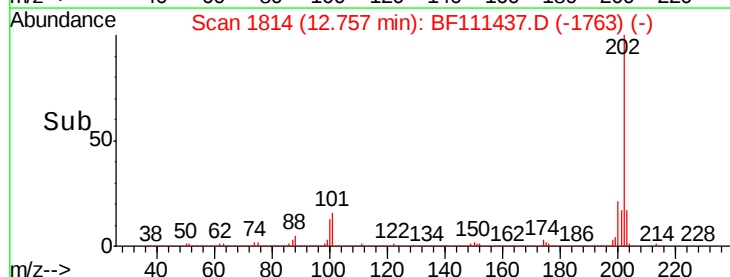
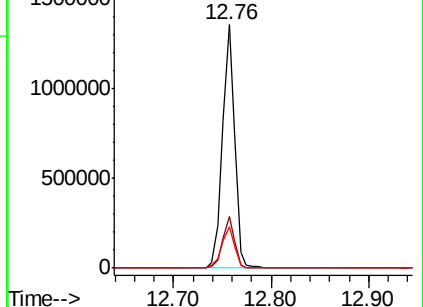
203 16.9 15.2 22.8

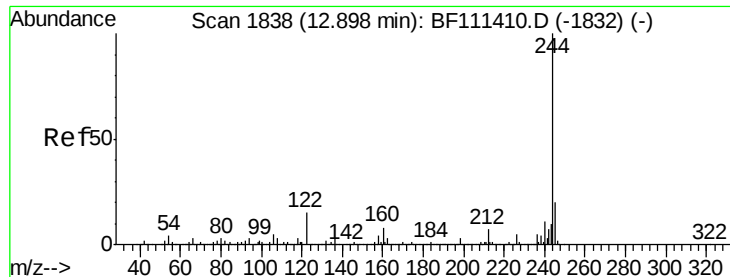


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 89.304 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

Tgt Ion:244 Resp: 1509551

Ion Ratio Lower Upper

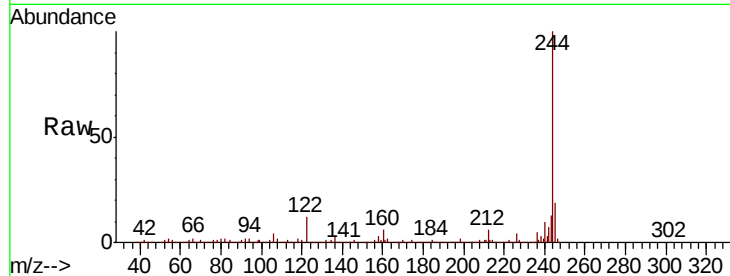
244 100

212 6.4

122 11.9

5.7 8.5

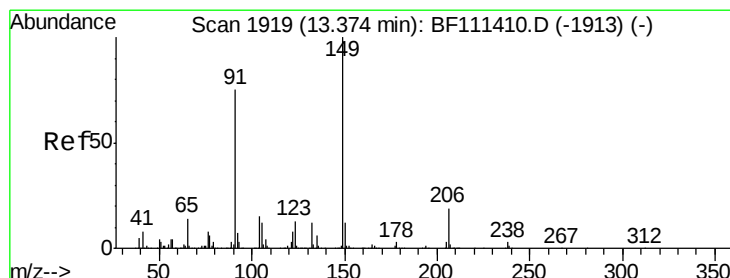
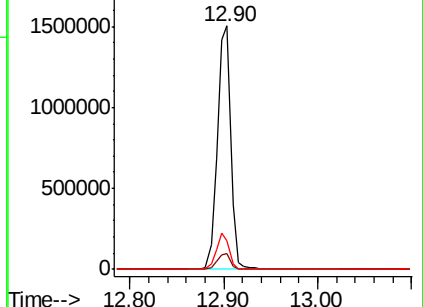
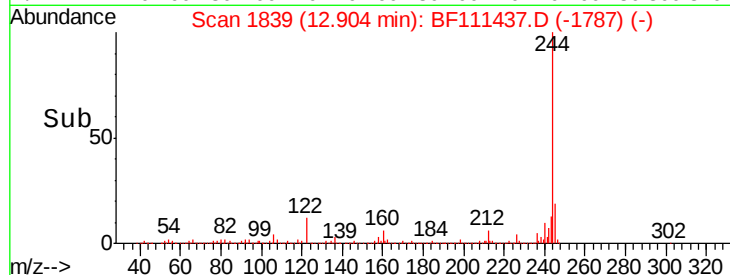
13.1 19.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 42.368 ng

RT: 13.37 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Tgt Ion:149 Resp: 577933

Ion Ratio Lower Upper

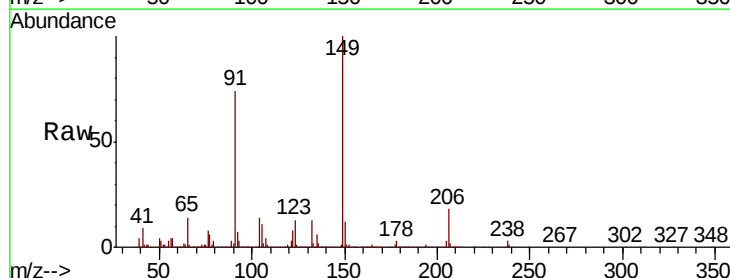
149 100

91 74.1

206 18.4

63.8 95.6

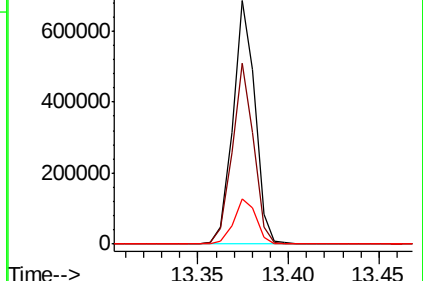
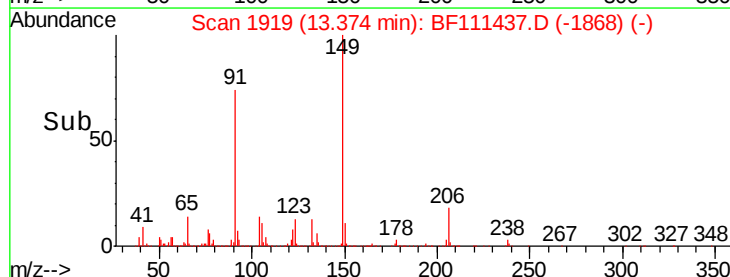
15.1 22.7

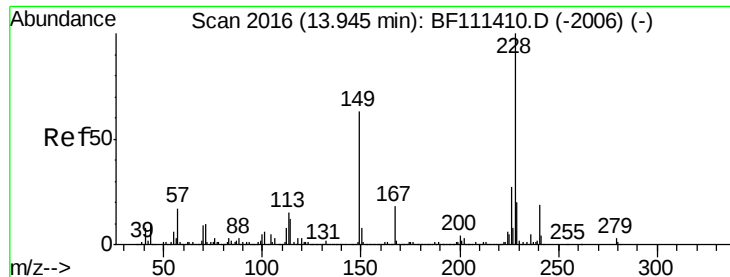


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.499 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampled :

SB-2MS

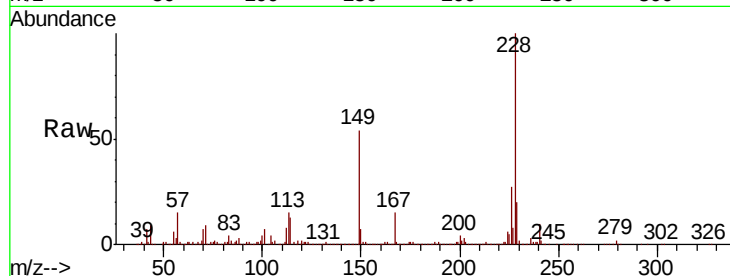
Tgt Ion:228 Resp: 938842

Ion Ratio Lower Upper

228 100

226 26.7 22.6 34.0

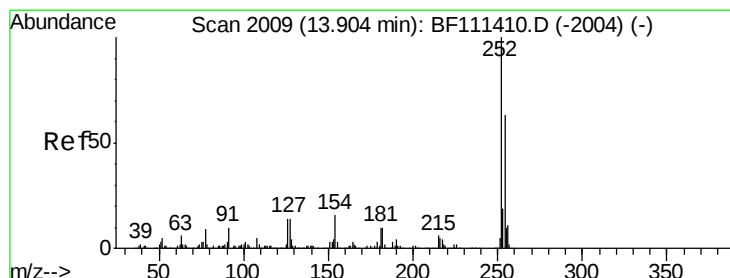
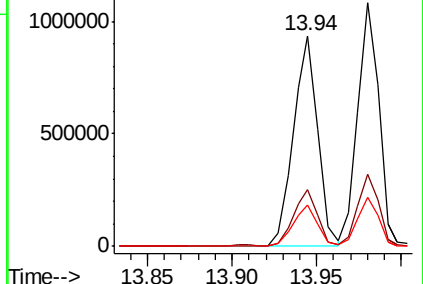
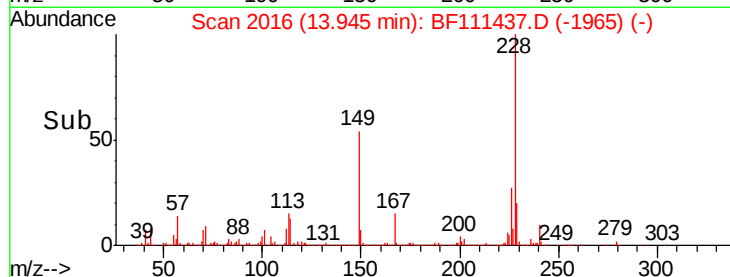
229 19.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 43.054 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

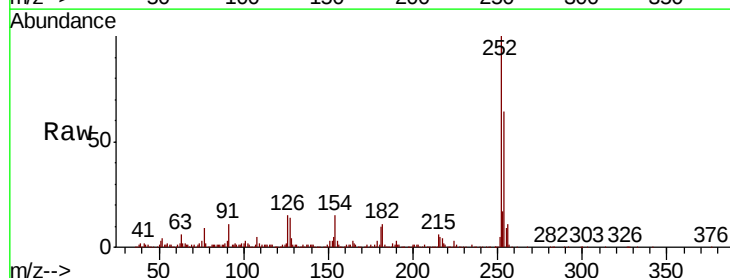
Tgt Ion:252 Resp: 377759

Ion Ratio Lower Upper

252 100

254 64.0 52.7 79.1

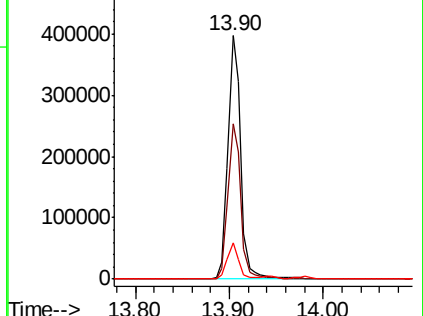
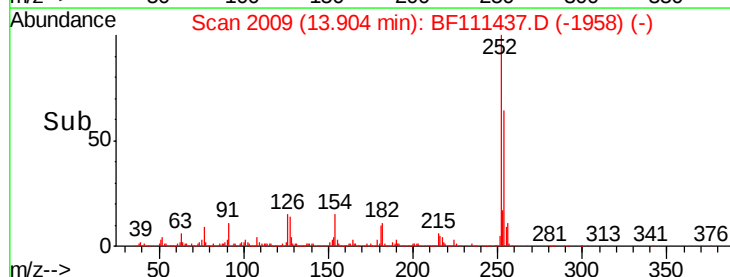
126 15.0 11.1 16.7

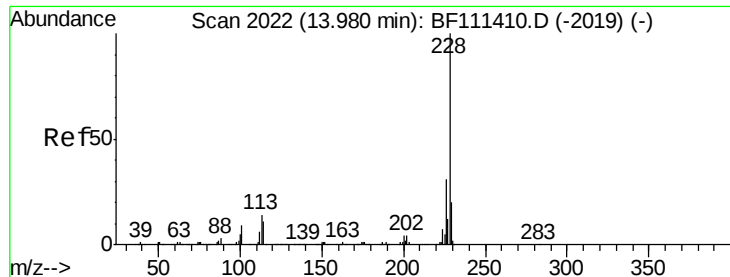


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 41.756 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

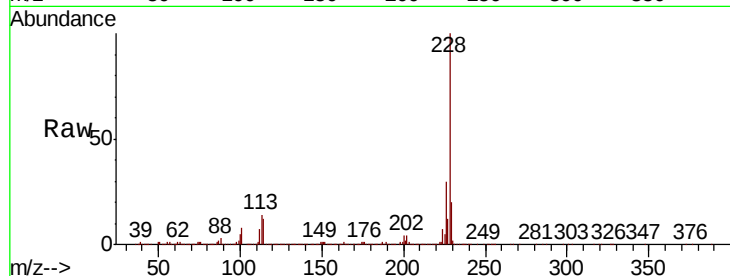
Tgt Ion:228 Resp: 949374

Ion Ratio Lower Upper

228 100

226 29.7 25.3 37.9

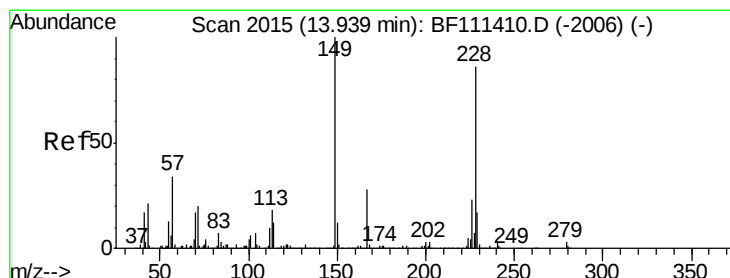
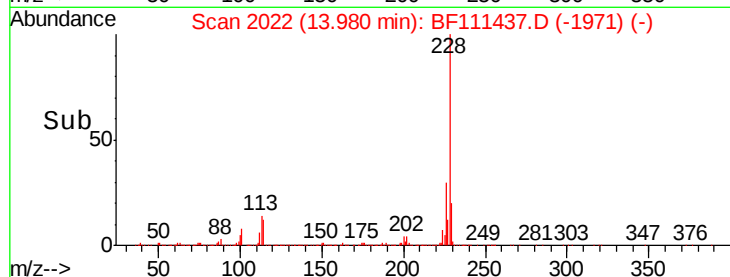
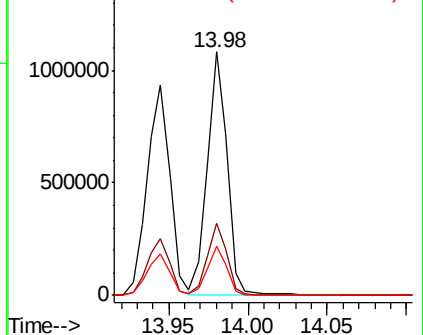
229 20.0 17.2 25.8



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.121 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

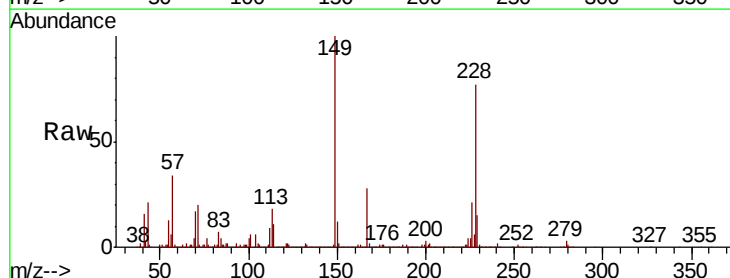
Tgt Ion:149 Resp: 768720

Ion Ratio Lower Upper

149 100

167 28.2 22.5 33.7

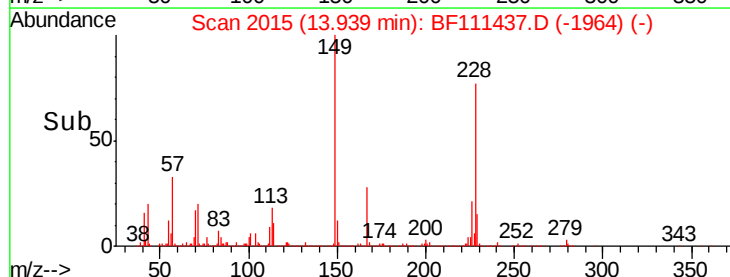
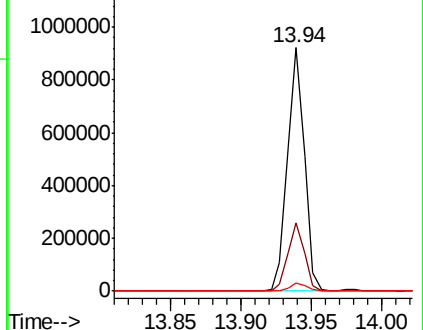
279 3.4 2.6 4.0

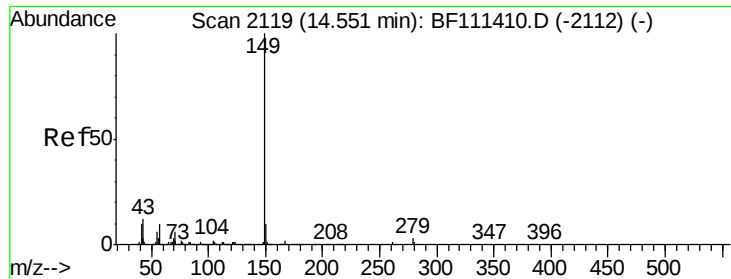


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 47.423 ng

RT: 14.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

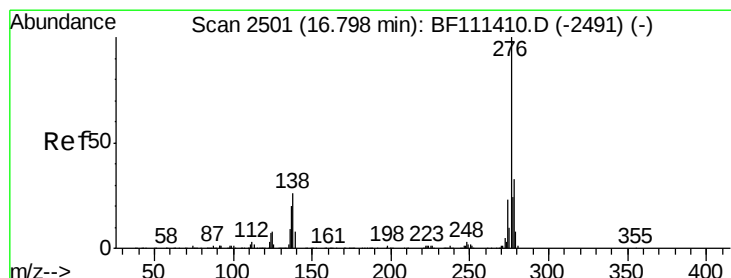
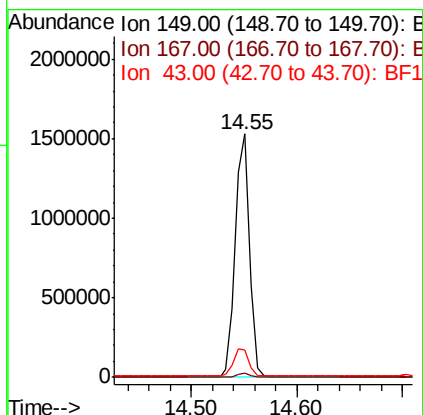
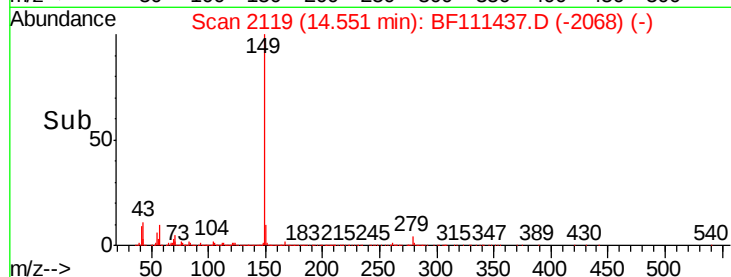
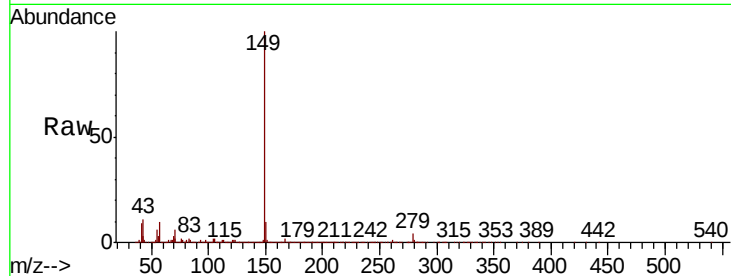
Tgt Ion:149 Resp: 1393693

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 11.9 10.9 16.3



#86

Indeno(1,2,3-cd)pyrene

Concen: 39.907 ng

RT: 16.81 min Scan# 2503

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

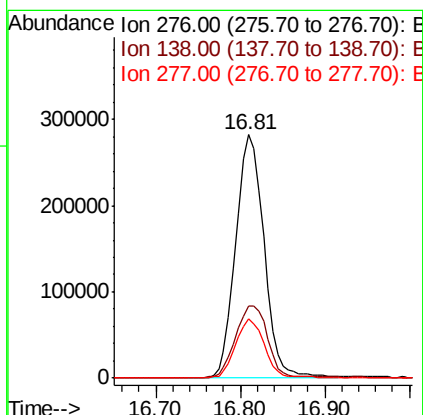
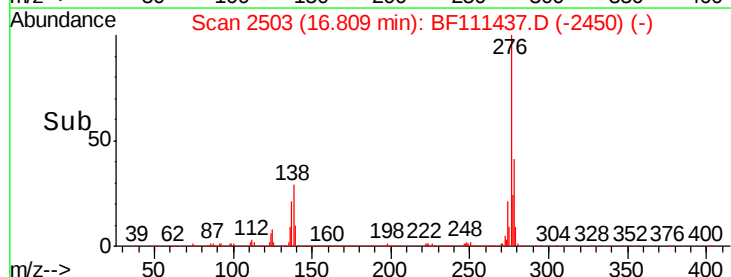
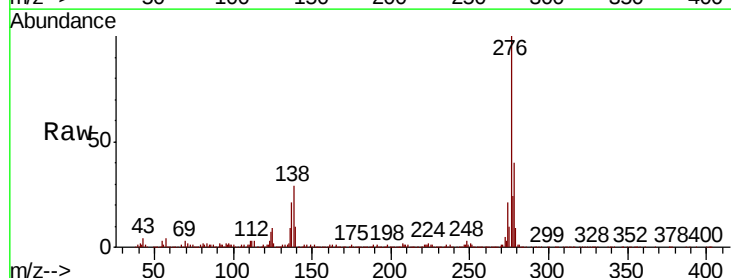
Tgt Ion:276 Resp: 654855

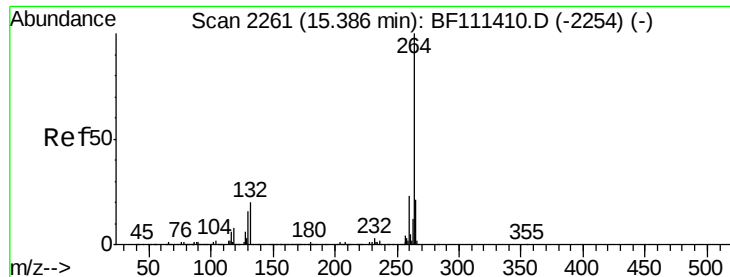
Ion Ratio Lower Upper

276 100

138 33.2 27.8 41.6

277 25.0 20.1 30.1





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

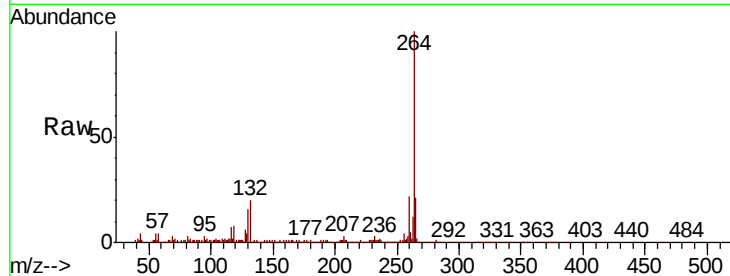
Tgt Ion:264 Resp: 291706

Ion Ratio Lower Upper

264 100

260 21.7 18.3 27.5

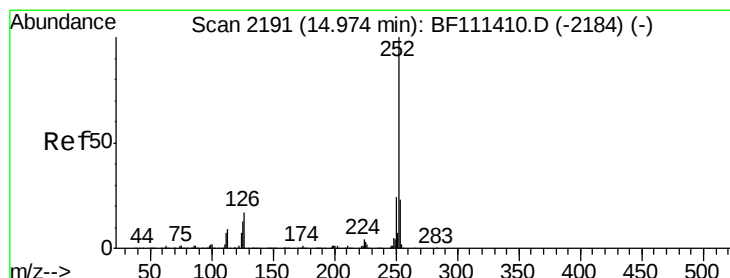
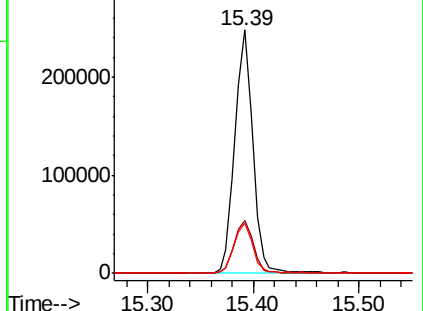
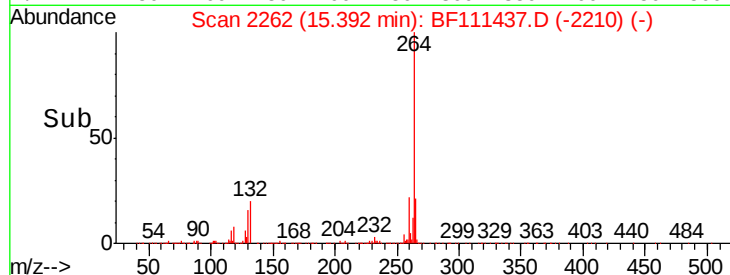
265 20.7 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 45.021 ng

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

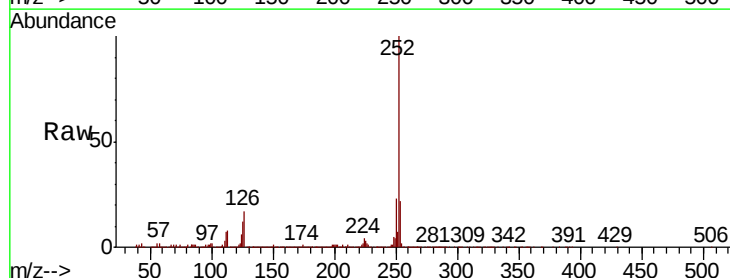
Tgt Ion:252 Resp: 765666

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

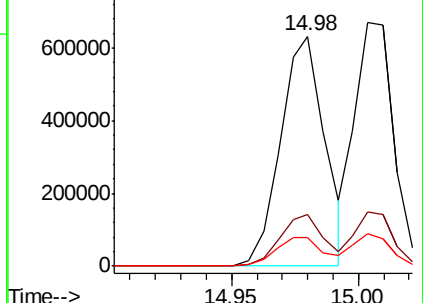
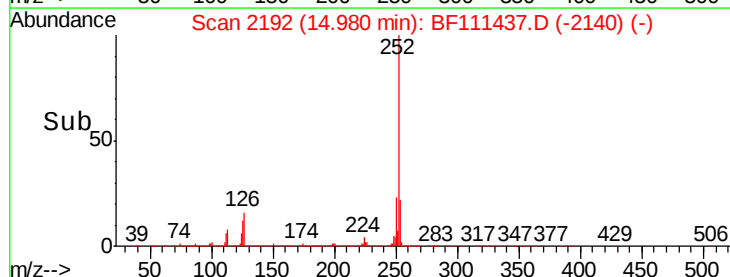
125 12.4 10.4 15.6

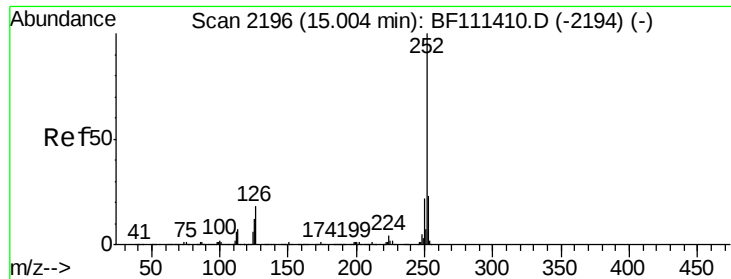


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

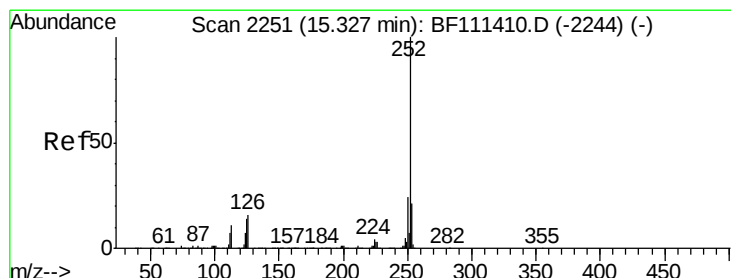
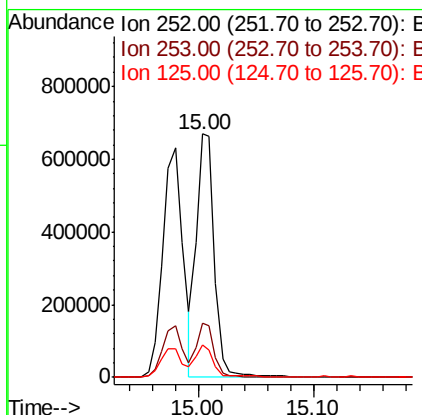
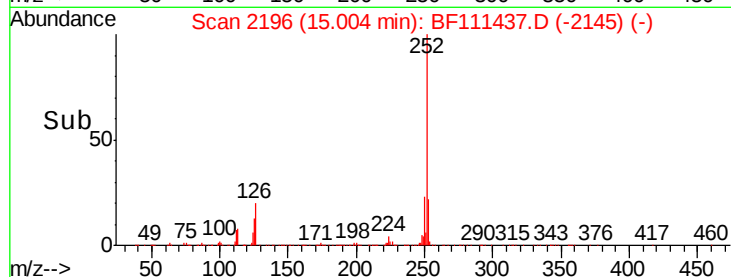
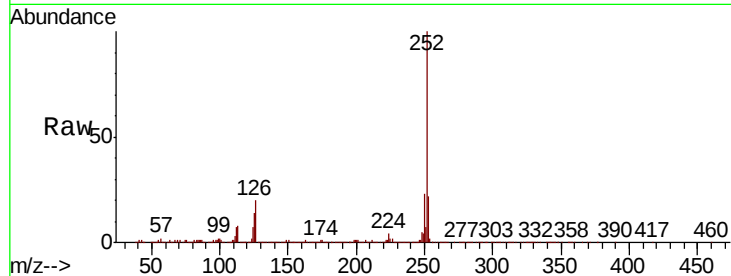




#89  
Benzo(k)fluoranthene  
Concen: 45.007 ng  
RT: 15.00 min Scan# 2196  
Delta R.T. 0.00 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

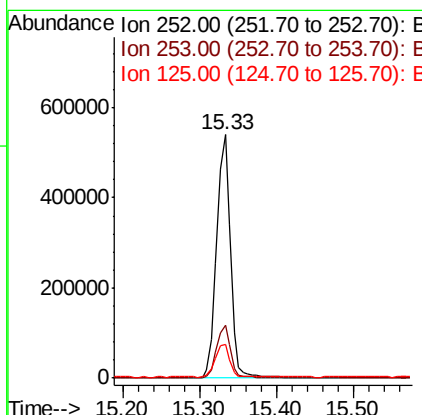
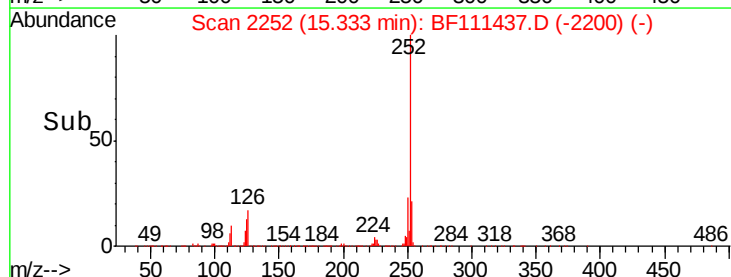
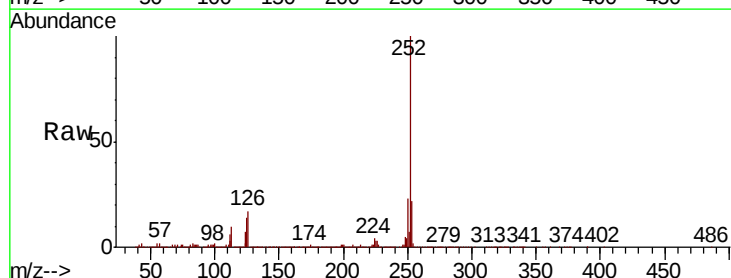
Instrument :  
BNA\_G  
ClientSampleId :  
SB-2MS

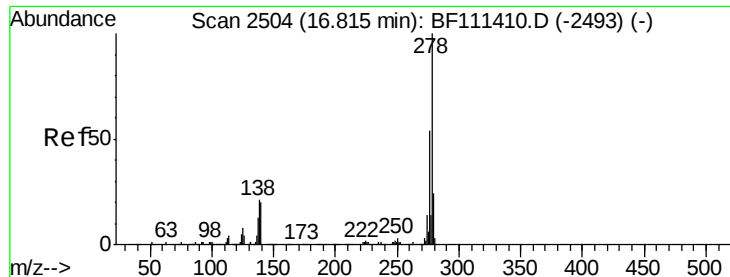
Tgt Ion:252 Resp: 731380  
Ion Ratio Lower Upper  
252 100  
253 22.0 18.1 27.1  
125 13.5 9.8 14.8



#90  
Benzo(a)pyrene  
Concen: 43.474 ng  
RT: 15.33 min Scan# 2252  
Delta R.T. 0.01 min  
Lab File: BF111437.D  
Acq: 14 Dec 2018 23:44

Tgt Ion:252 Resp: 666725  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.8 26.8  
125 13.8 12.3 18.5





#91

Dibenzo(a,h)anthracene

Concen: 45.604 ng

RT: 16.83 min Scan# 2506

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

Instrument :

BNA\_G

ClientSampleId :

SB-2MS

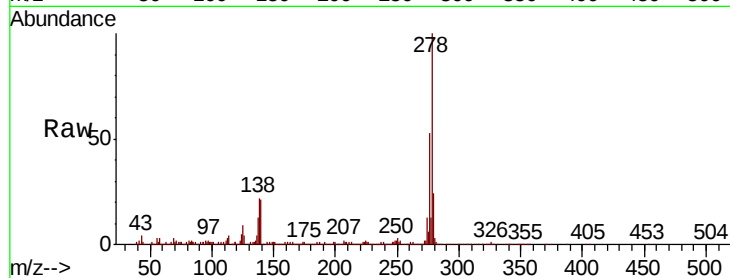
Tgt Ion:278 Resp: 551707

Ion Ratio Lower Upper

278 100

139 20.8 18.2 27.4

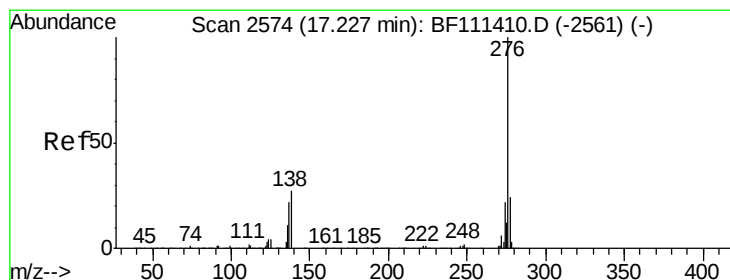
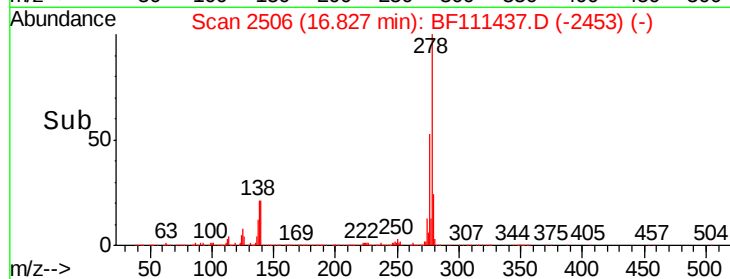
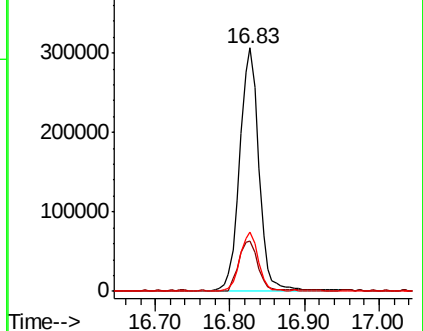
279 24.4 19.0 28.6



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



#92

Benzo(g,h,i)perylene

Concen: 37.967 ng

RT: 17.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BF111437.D

Acq: 14 Dec 2018 23:44

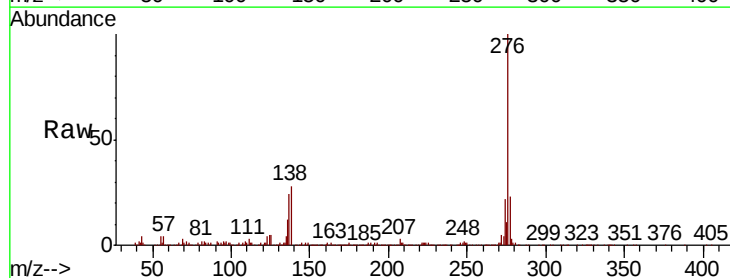
Tgt Ion:276 Resp: 450854

Ion Ratio Lower Upper

276 100

277 22.7 19.2 28.8

138 28.4 24.9 37.3



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

