

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\  
 Data File : BF101419.D  
 Acq On : 15 Dec 2017 2:57  
 Operator : SJ/JU  
 Sample : I6824-04  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 15 04:53:21 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 14 15:42:32 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 174709   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 696165   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.85  | 164  | 320531   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.35 | 188  | 588825   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.99 | 240  | 418014   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.46 | 264  | 338171   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.43  | 112 | 678073  | 57.81  | ng | 0.00  |
| 7) Phenol-d6                | 6.45  | 99  | 550395  | 37.71  | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.39  | 82  | 1087098 | 86.93  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330 | 338428  | 109.57 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.17  | 172 | 1723291 | 83.40  | ng | 0.00  |
| 78) Terphenyl-d14           | 12.93 | 244 | 1640689 | 94.62  | ng | 0.00  |

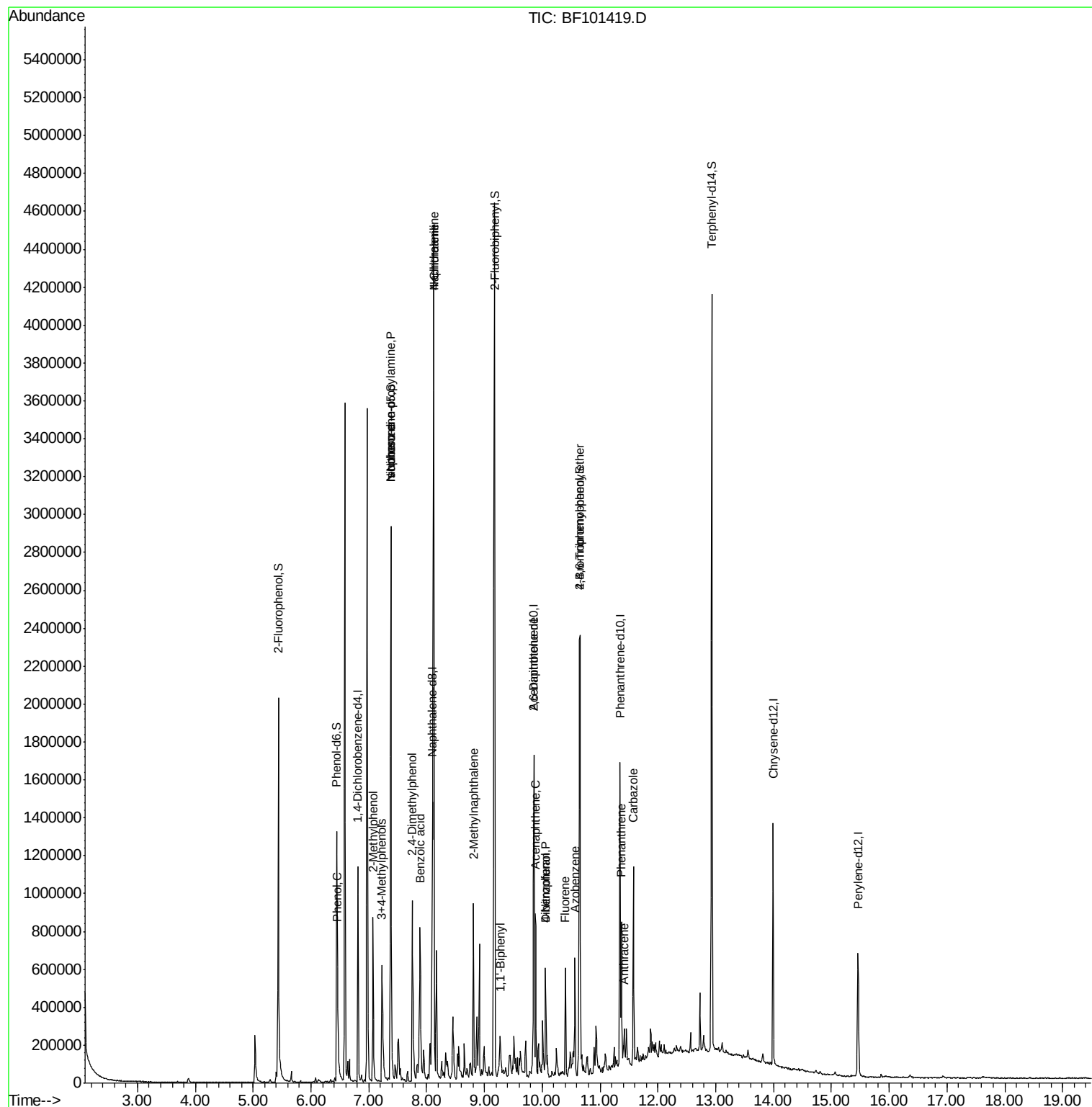
|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 10) Phenol                     | 6.46  | 94  | 61949   | 3.724  | ng | 94   |
| 17) 2-Methylphenol             | 7.07  | 107 | 80366   | 7.081  | ng | 99   |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70  | 149512  | 15.597 | ng | # 83 |
| 20) 3+4-Methylphenols          | 7.23  | 107 | 226190  | 18.808 | ng | 93   |
| 25) Isophorone                 | 7.39  | 82  | 1079608 | 43.033 | ng | # 64 |
| 27) 2,4-Dimethylphenol         | 7.75  | 122 | 234068  | 23.170 | ng | 98   |
| 31) Naphthalene                | 8.12  | 128 | 2268400 | 64.724 | ng | 99   |
| 32) Benzoic acid               | 7.89  | 122 | 196288  | 32.015 | ng | # 15 |
| 33) 4-Chloroaniline            | 8.12  | 127 | 308498  | 20.252 | ng | # 36 |
| 37) 2-Methylnaphthalene        | 8.81  | 142 | 243691  | 10.672 | ng | 99   |
| 45) 1,1'-Biphenyl              | 9.27  | 154 | 59508   | 2.093  | ng | 97   |
| 50) 2,6-Dinitrotoluene         | 9.85  | 165 | 43545   | 8.310  | ng | # 27 |
| 51) Acenaphthene               | 9.88  | 154 | 194998  | 9.448  | ng | 100  |
| 54) Dibenzofuran               | 10.06 | 168 | 202083  | 7.704  | ng | 98   |
| 55) 4-Nitrophenol              | 10.06 | 139 | 77127   | 27.074 | ng | # 10 |
| 57) Fluorene                   | 10.40 | 166 | 166810  | 7.518  | ng | 97   |
| 62) Azobenzene                 | 10.56 | 77  | 115465  | 4.366  | ng | # 1  |
| 66) 4-Bromophenyl-phenylether  | 10.65 | 248 | 20869   | 3.154  | ng | # 1  |
| 70) Phenanthrene               | 11.37 | 178 | 280616  | 8.570  | ng | 99   |
| 71) Anthracene                 | 11.42 | 178 | 73661   | 2.202  | ng | 97   |
| 72) Carbazole                  | 11.58 | 167 | 401191  | 12.811 | ng | 98   |

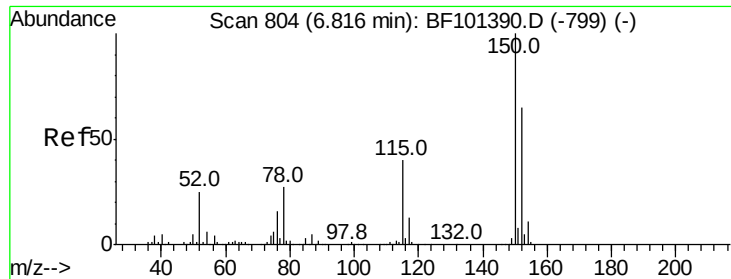
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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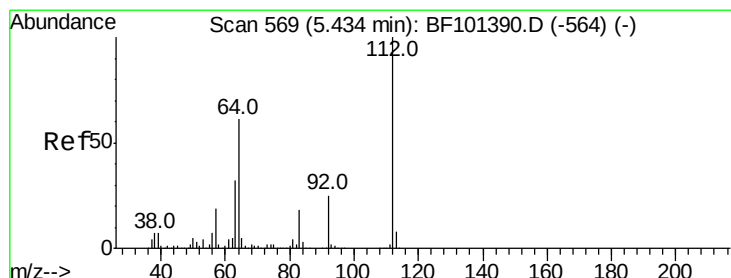
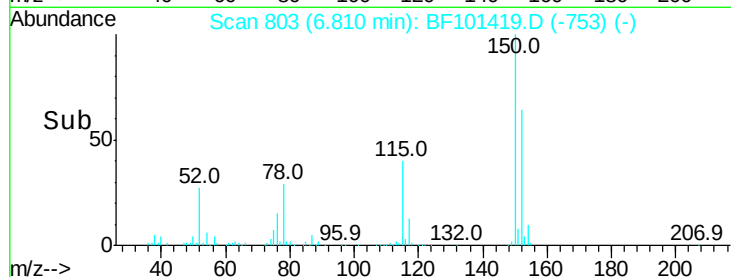
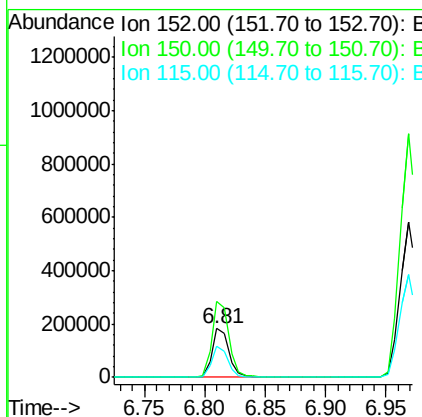
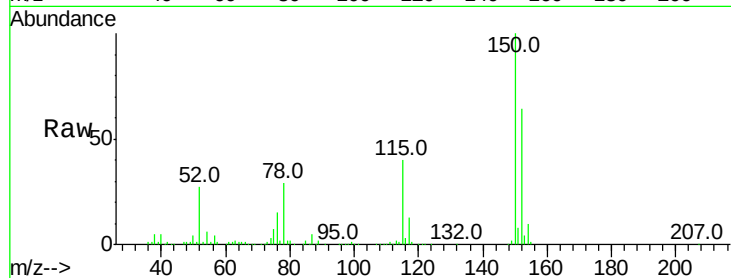


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. -0.01 min  
Lab File: BF101419.D  
Acq: 15 Dec 2017 2:57

Instrument :  
BNA\_F  
ClientSampleId :

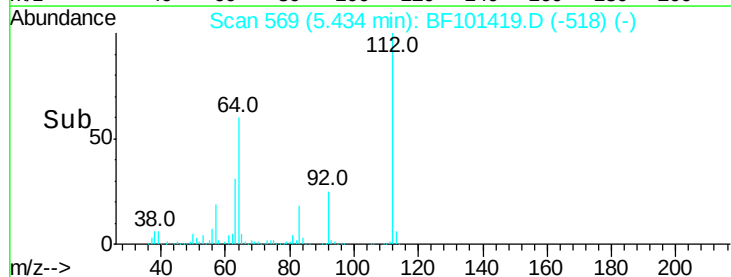
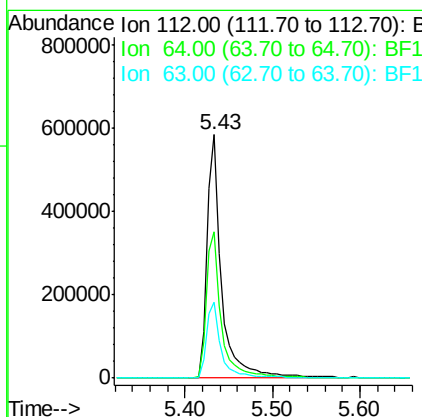
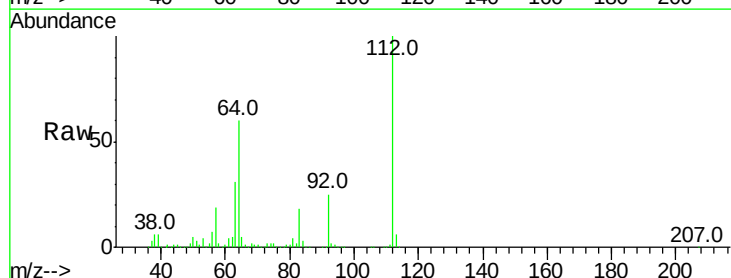
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.2 | 124.6 | 186.8 |
| 115     | 62.9  | 50.1  | 75.1  |

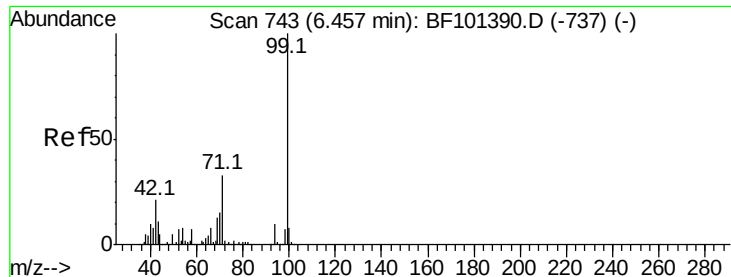


#5

2-Fluorophenol  
Concen: 57.813 ng  
RT: 5.43 min Scan# 569  
Delta R.T. -0.00 min  
Lab File: BF101419.D  
Acq: 15 Dec 2017 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.2  | 47.9  | 71.9  |
| 63      | 31.3  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 37.706 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA\_F

ClientSampleId :

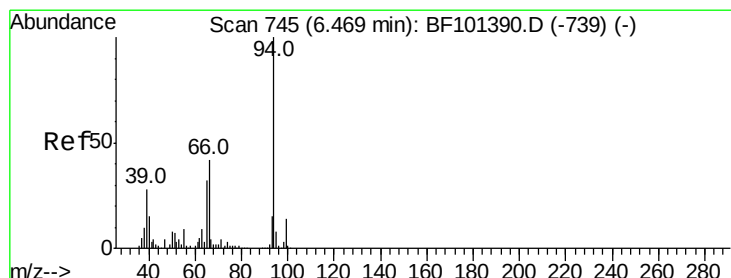
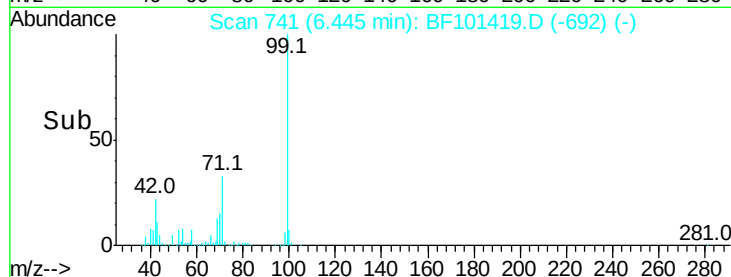
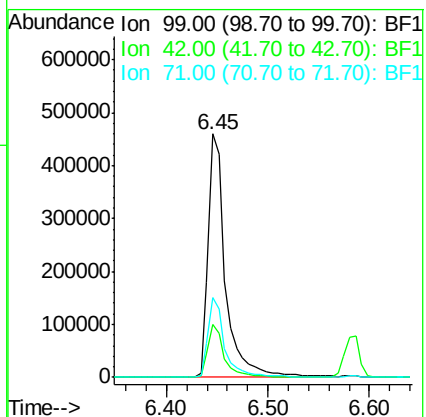
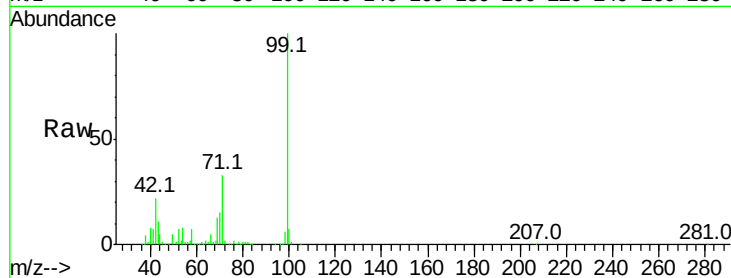
Tot Ion: 99 Resp: 550395

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7#

71 32.7 25.4 38.0



#10

Phenol

Concen: 3.724 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

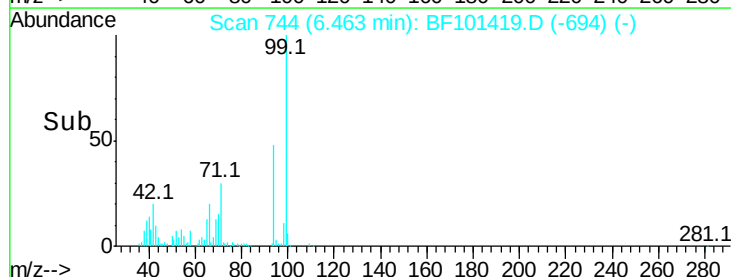
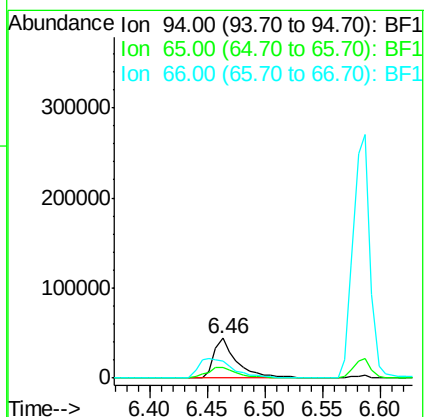
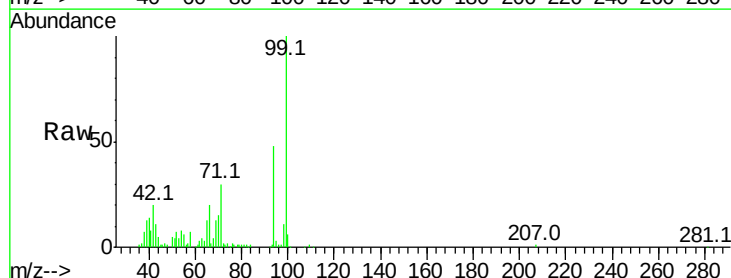
Tgt Ion: 94 Resp: 61949

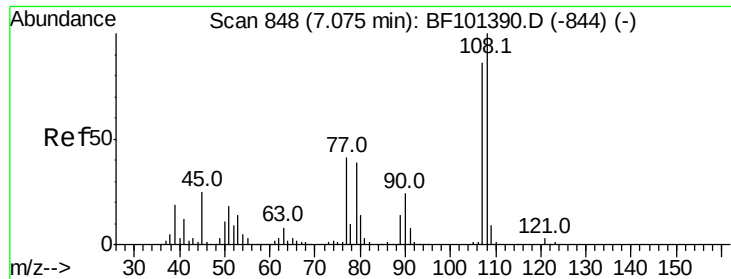
Ion Ratio Lower Upper

94 100

65 27.7 7.9 47.9

66 42.0 16.2 56.2

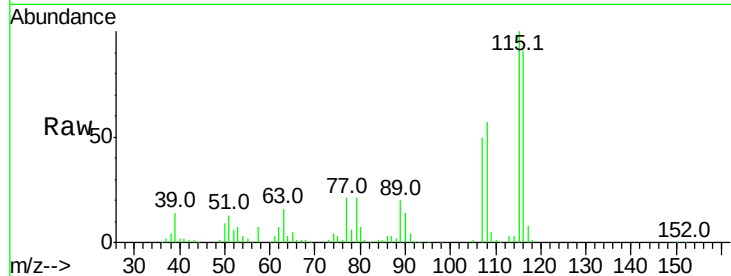




#17  
2-Methylphenol  
Concen: 7.081 ng  
RT: 7.07 min Scan# 848  
Delta R.T. -0.00 min  
Lab File: BF101419.D  
Acq: 15 Dec 2017 2:57

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 113.9 | 91.7  | 137.5 |
| 77      | 42.9  | 33.8  | 50.8  |
| 79      | 42.8  | 33.8  | 50.8  |



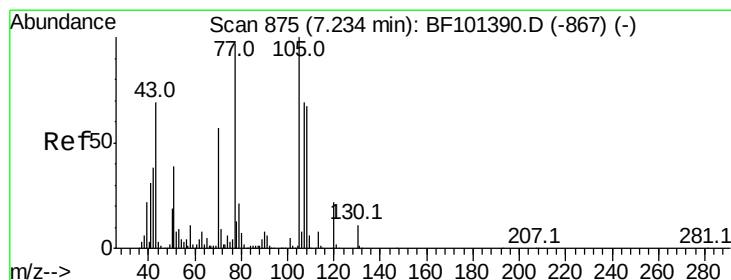
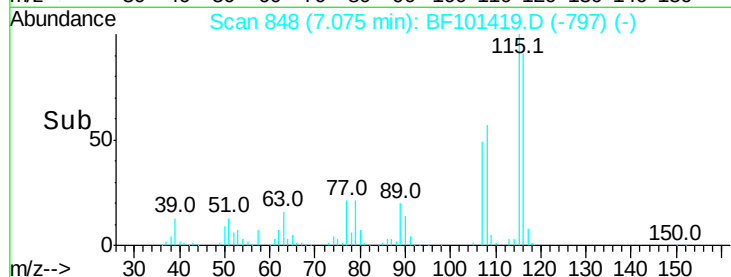
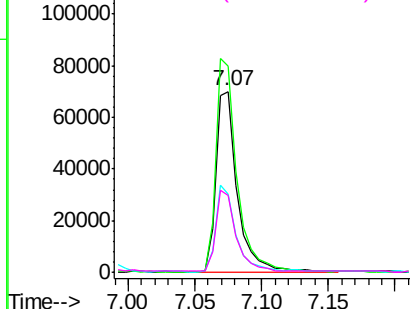
Abundance

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



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.597 ng  
RT: 7.39 min Scan# 901  
Delta R.T. 0.15 min  
Lab File: BF101419.D  
Acq: 15 Dec 2017 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 53.3  | 47.5  | 71.3  |
| 101     | 0.0   | 7.4   | 11.2# |
| 130     | 2.0   | 16.6  | 25.0# |

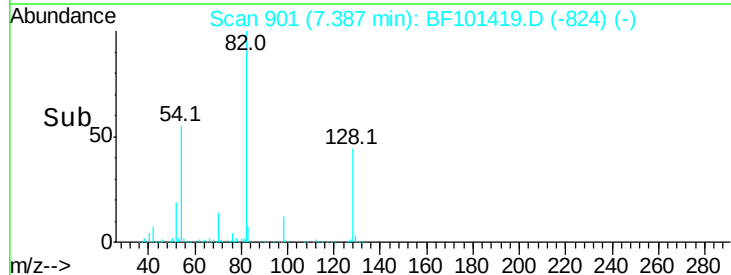
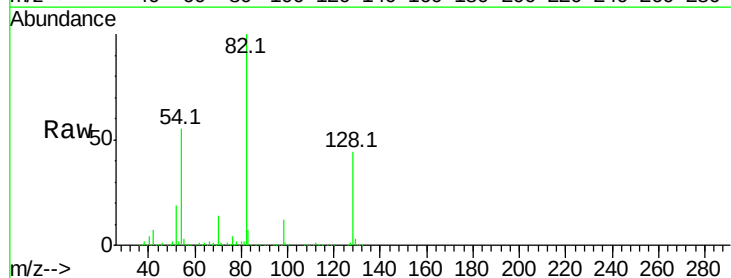
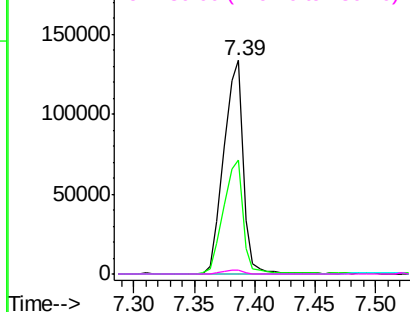
Abundance

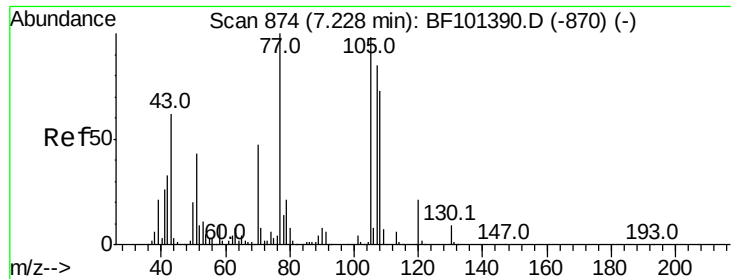
Ion 70.00 (69.70 to 70.70): BF1

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: 18.808 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.00 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:107 Resp: 226190

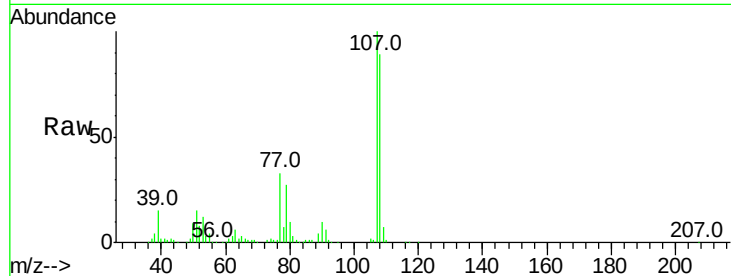
Ion Ratio Lower Upper

107 100

108 88.8 68.2 108.2

77 32.7 26.7 66.7

79 27.2 6.3 46.3

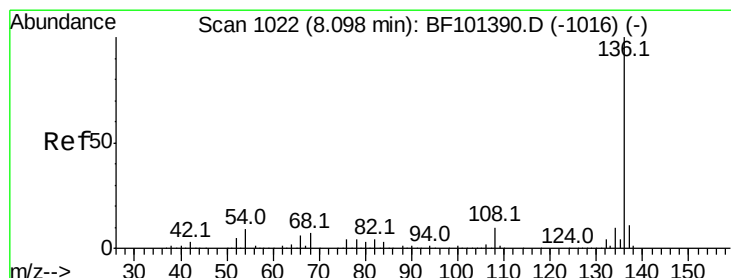
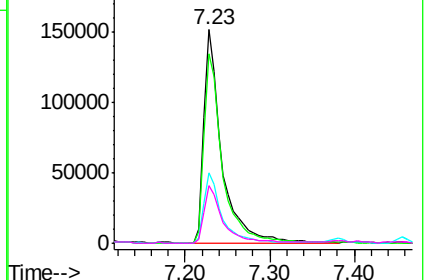
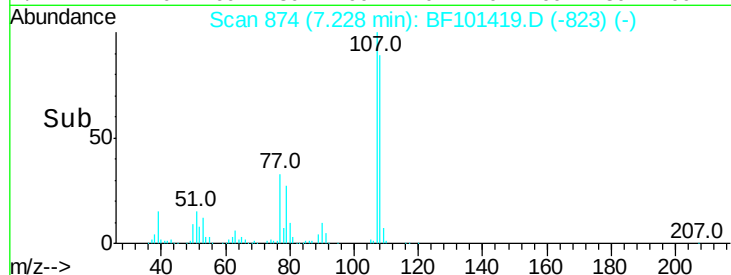


Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Tgt Ion:136 Resp: 696165

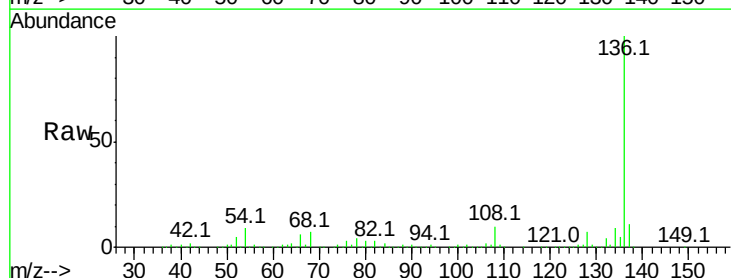
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.7 6.6 9.8

68 6.6 5.0 7.4

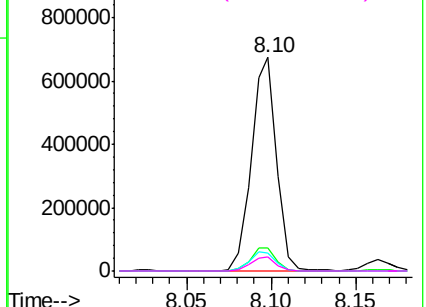
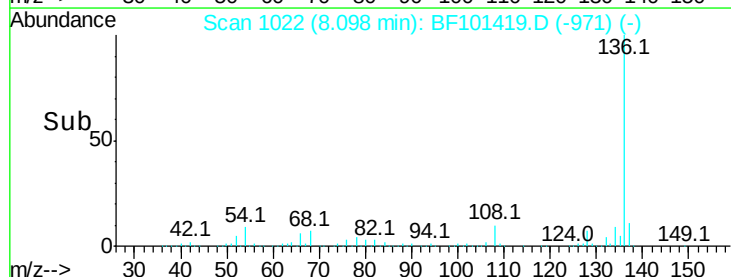


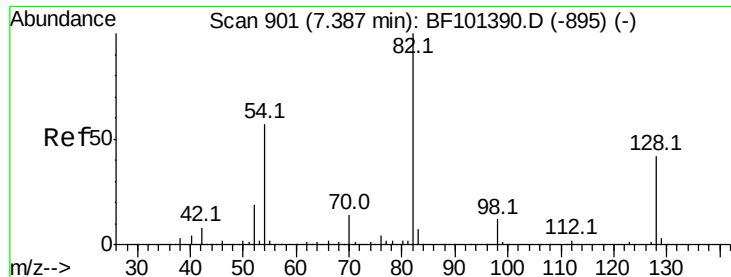
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 86.925 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA\_F

ClientSampled :

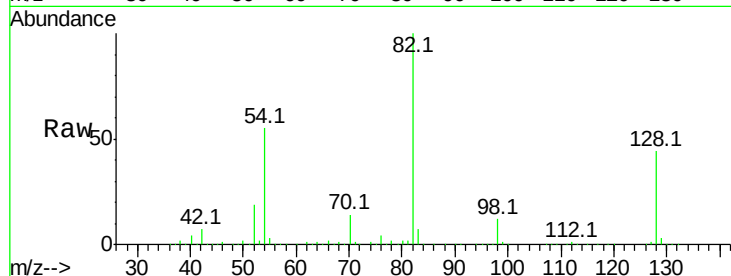
Tot Ion: 82 Resp: 1087098

Ion Ratio Lower Upper

82 100

128 44.3 36.1 54.1

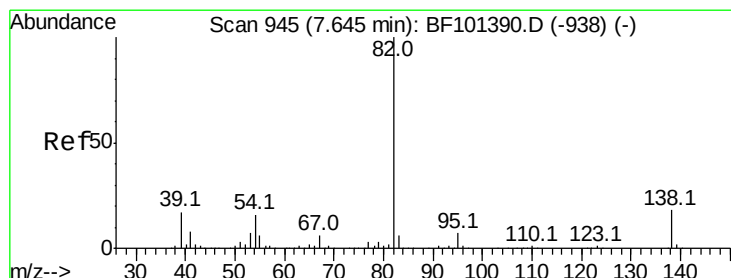
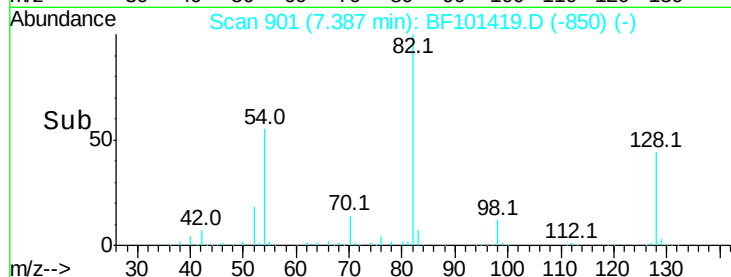
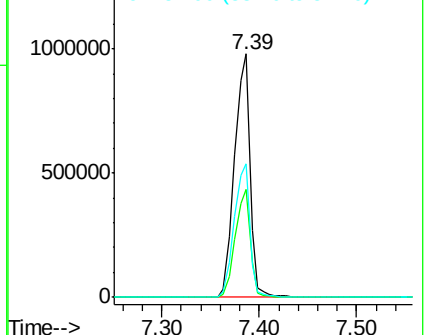
54 54.9 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 43.033 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

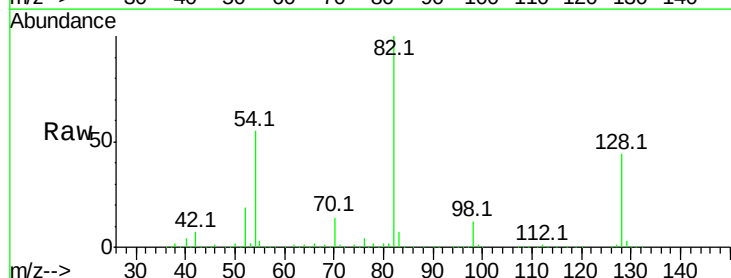
Tgt Ion: 82 Resp: 1079608

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

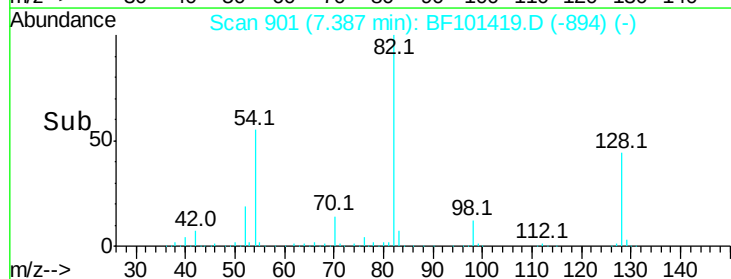
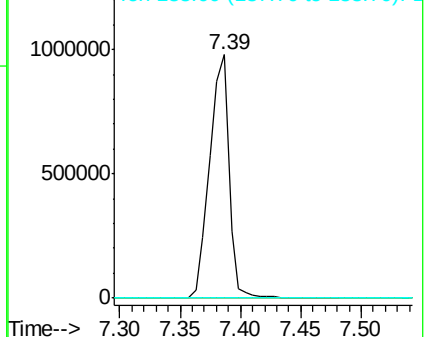
138 0.0 14.9 22.3#

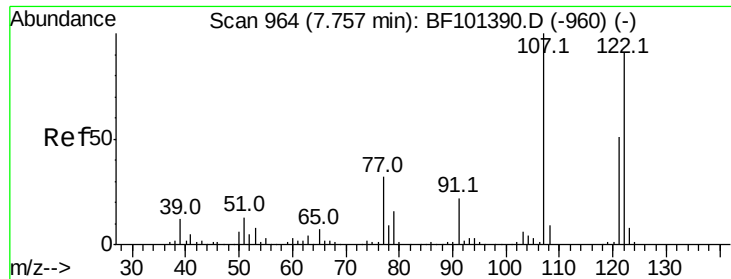


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

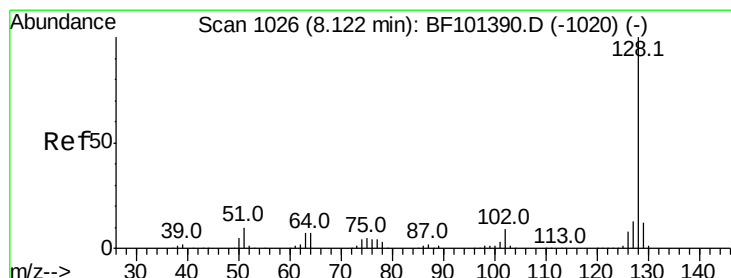
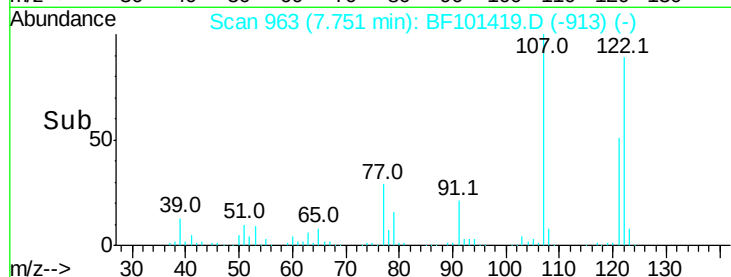
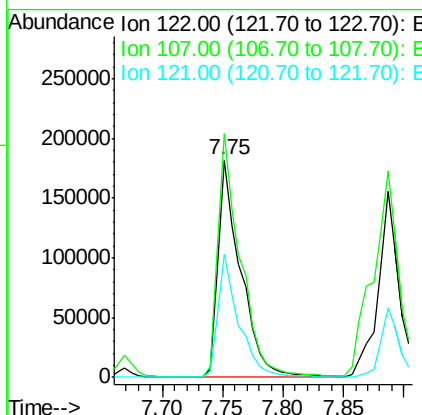
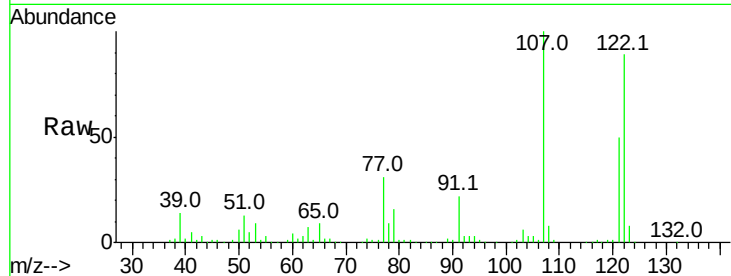




#27  
 2,4-Dimethylphenol  
 Concen: 23.170 ng  
 RT: 7.75 min Scan# 963  
 Delta R.T. -0.01 min  
 Lab File: BF101419.D  
 Acq: 15 Dec 2017 2:57

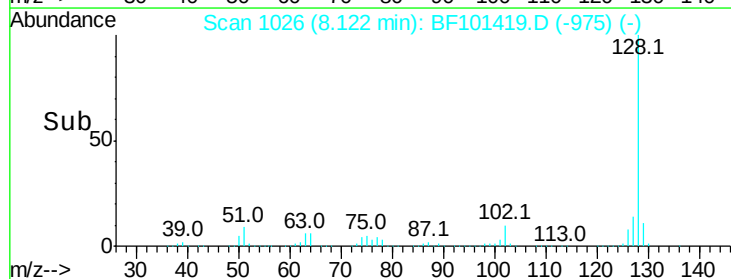
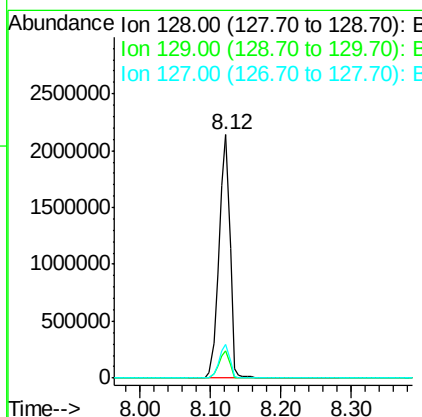
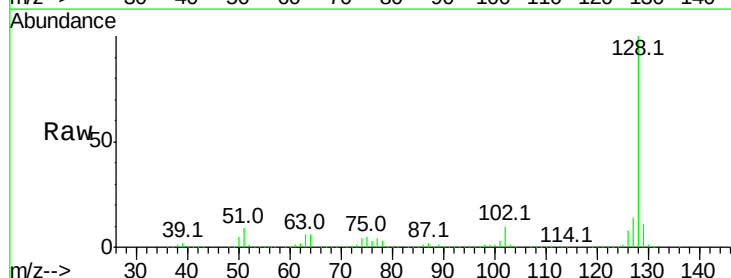
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:122 Resp: 234068  
 Ion Ratio Lower Upper  
 122 100  
 107 112.2 91.2 136.8  
 121 56.6 47.2 70.8

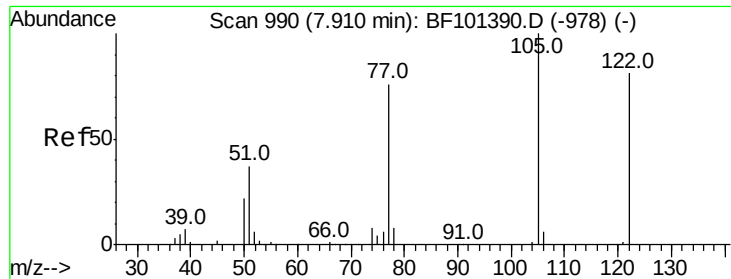


#31  
 Naphthalene  
 Concen: 64.724 ng  
 RT: 8.12 min Scan# 1026  
 Delta R.T. -0.00 min  
 Lab File: BF101419.D  
 Acq: 15 Dec 2017 2:57

Tgt Ion:128 Resp: 2268400  
 Ion Ratio Lower Upper  
 128 100  
 129 11.1 8.8 13.2  
 127 13.9 10.9 16.3



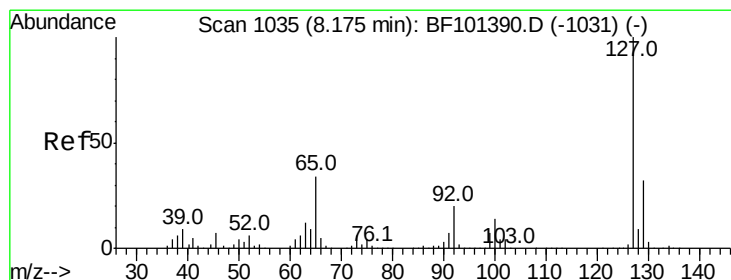
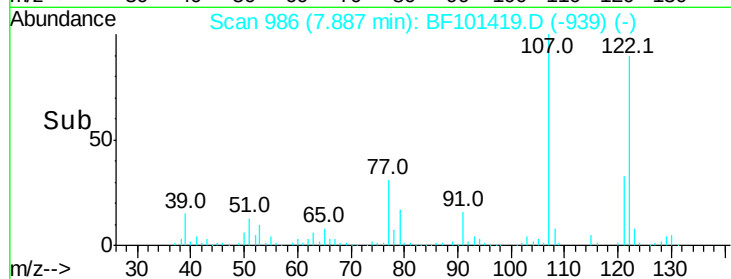
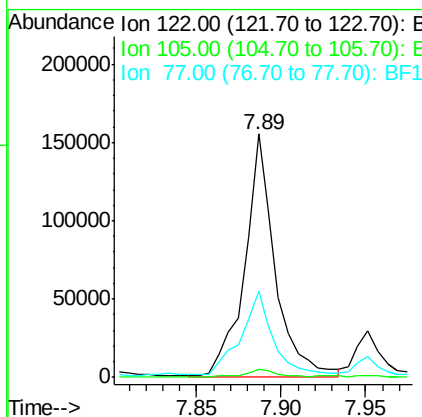
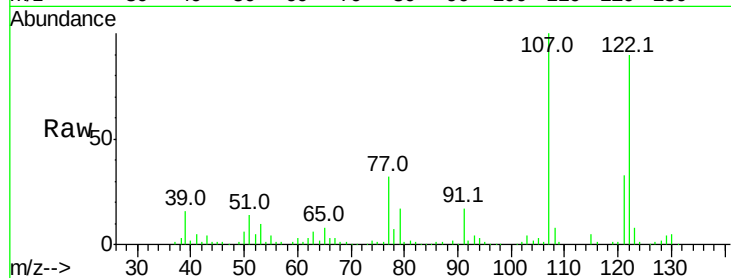




#32  
Benzoic acid  
Concen: 32.015 ng  
RT: 7.89 min Scan# 986  
Delta R.T. -0.02 min  
Lab File: BF101419.D  
Acq: 15 Dec 2017 2:57

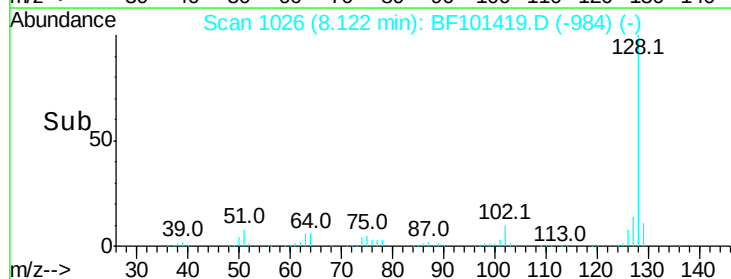
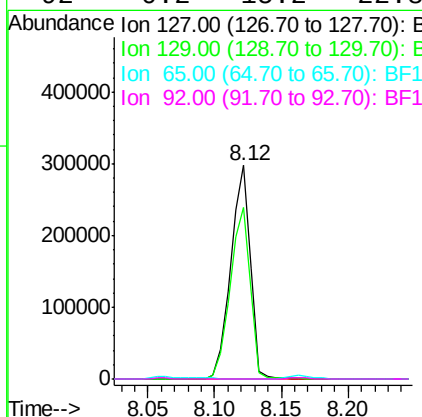
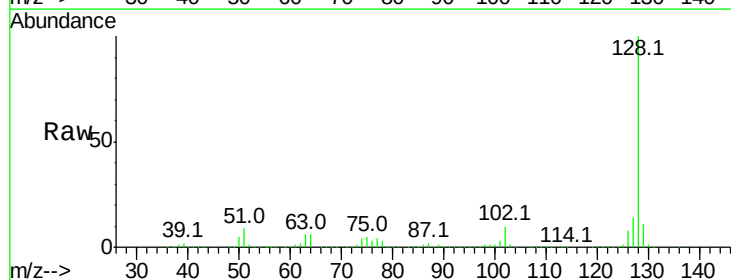
Instrument :  
BNA\_F  
ClientSampleId :

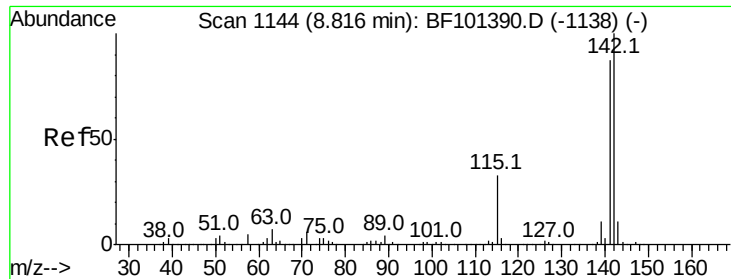
Tot Ion:122 Resp: 196288  
Ion Ratio Lower Upper  
122 100  
105 3.1 101.1 141.1#  
77 35.4 70.7 110.7#



#33  
4-Chloroaniline  
Concen: 20.252 ng  
RT: 8.12 min Scan# 1026  
Delta R.T. -0.05 min  
Lab File: BF101419.D  
Acq: 15 Dec 2017 2:57

Tgt Ion:127 Resp: 308498  
Ion Ratio Lower Upper  
127 100  
129 80.1 25.9 38.9#  
65 0.0 25.0 37.4#  
92 0.2 15.2 22.8#

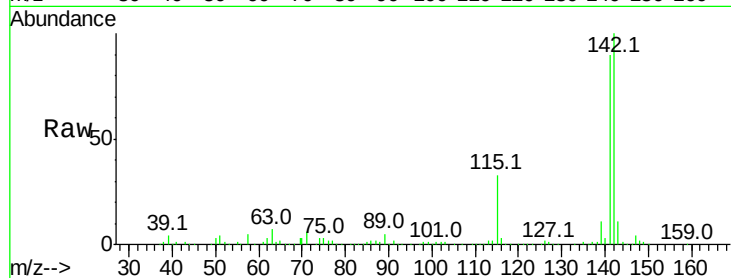




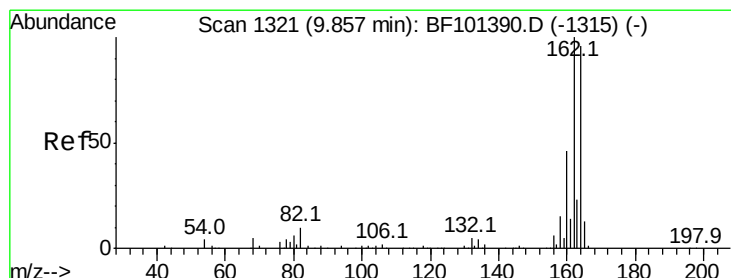
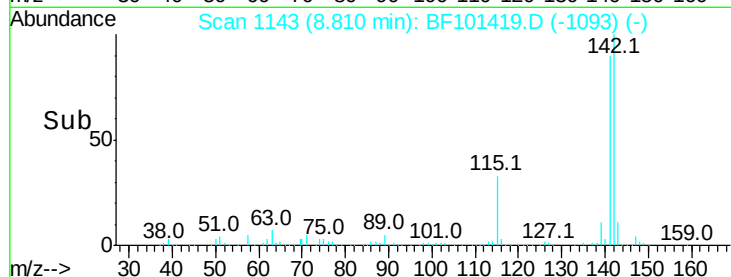
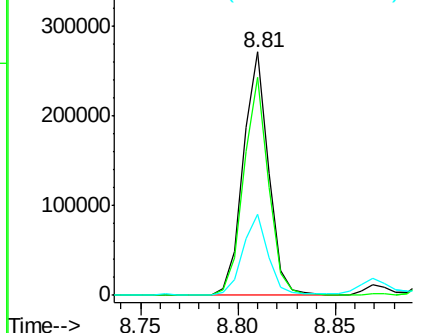
#37  
 2-Methylnaphthalene  
 Concen: 10.672 ng  
 RT: 8.81 min Scan# 1143  
 Delta R.T. -0.01 min  
 Lab File: BF101419.D  
 Acq: 15 Dec 2017 2:57

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.7  | 70.8  | 106.2 |
| 115     | 33.4  | 26.1  | 39.1  |

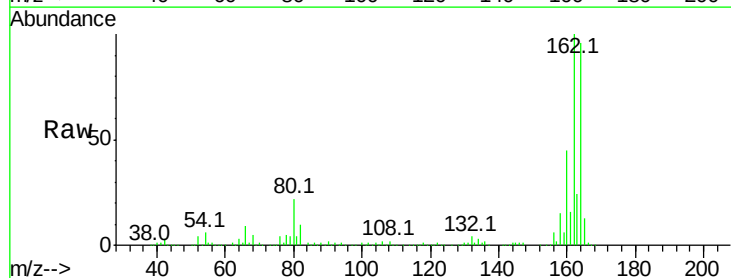


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

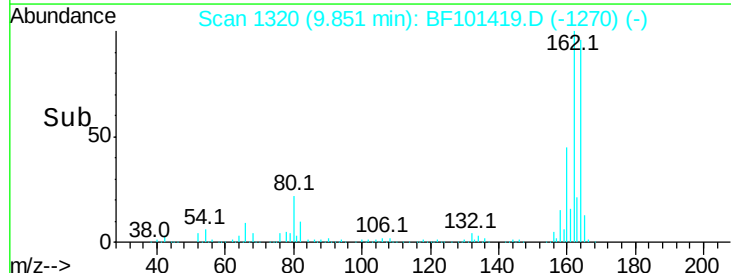
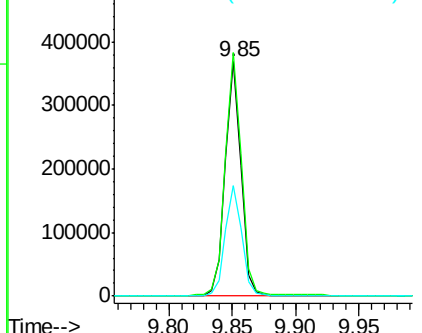


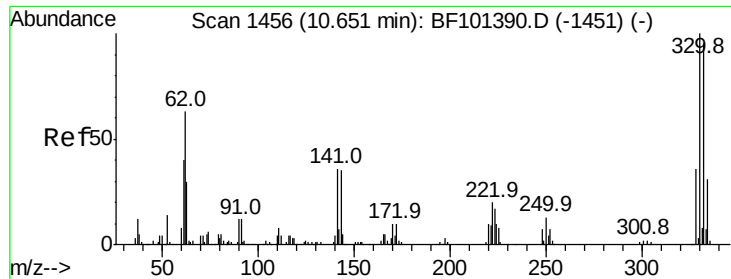
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. -0.01 min  
 Lab File: BF101419.D  
 Acq: 15 Dec 2017 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.9 | 86.1  | 129.1 |
| 160     | 47.0  | 38.3  | 57.5  |



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

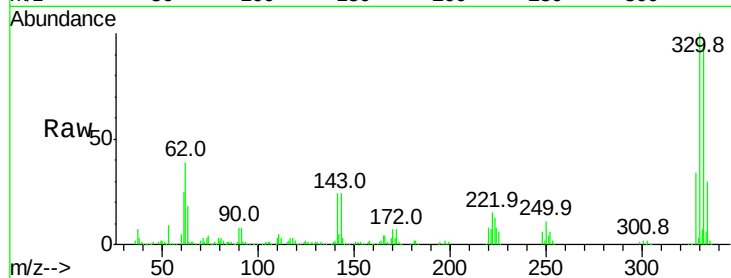




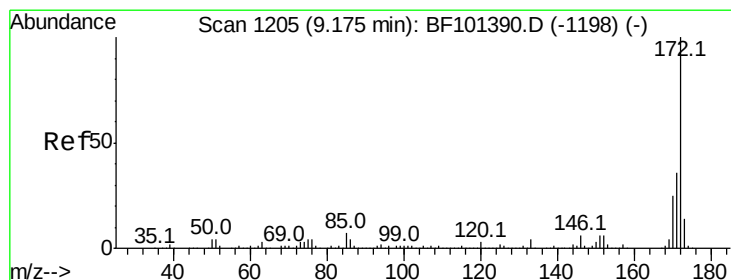
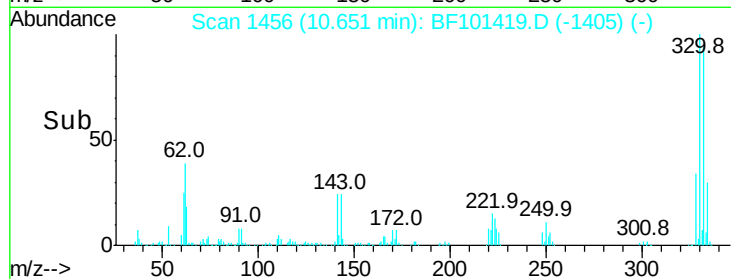
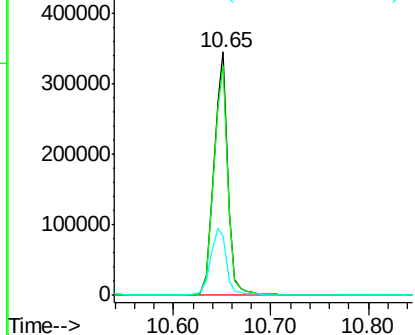
#41  
 2,4,6-Tribromophenol  
 Concen: 109.574 ng  
 RT: 10.65 min Scan# 1456  
 Delta R.T. -0.00 min  
 Lab File: BF101419.D  
 Acq: 15 Dec 2017 2:57

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.0  | 115.6 |
| 141     | 32.5  | 29.9  | 44.9  |

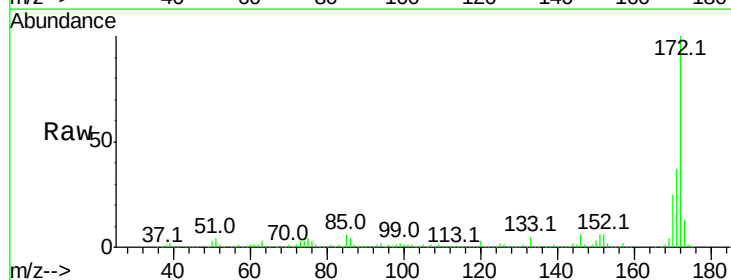


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

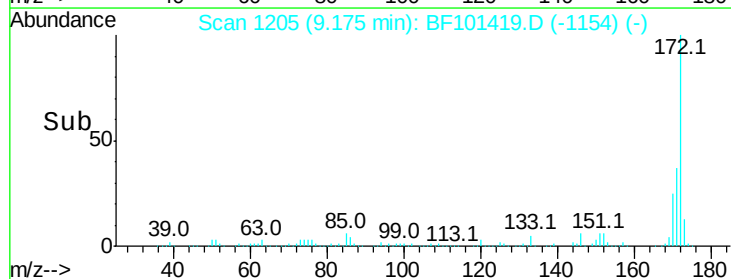
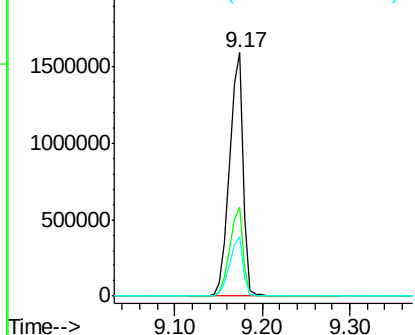


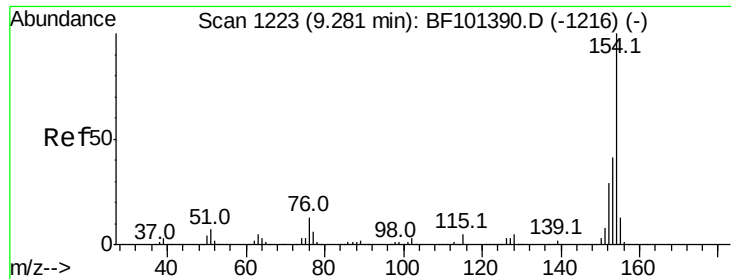
#44  
 2-Fluorobiphenyl  
 Concen: 83.400 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. -0.00 min  
 Lab File: BF101419.D  
 Acq: 15 Dec 2017 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.7  | 44.5  |
| 170     | 24.5  | 19.6  | 29.4  |



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





#45

1,1'-Biphenyl

Concen: 2.093 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA\_F

ClientSampleId :

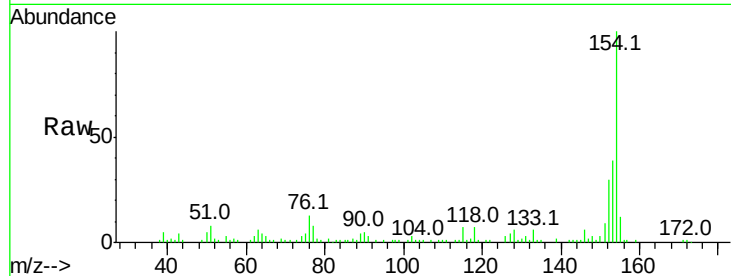
Tot Ion:154 Resp: 59508

Ion Ratio Lower Upper

154 100

153 39.4 21.3 61.3

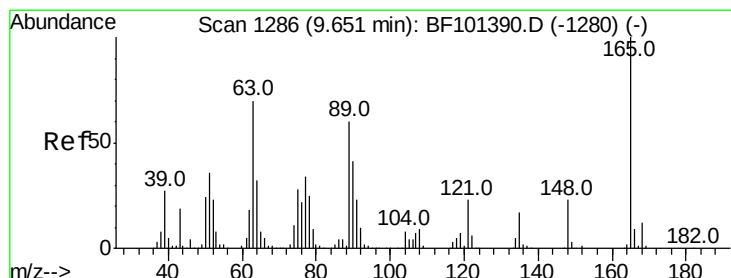
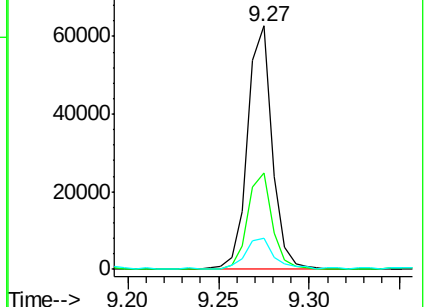
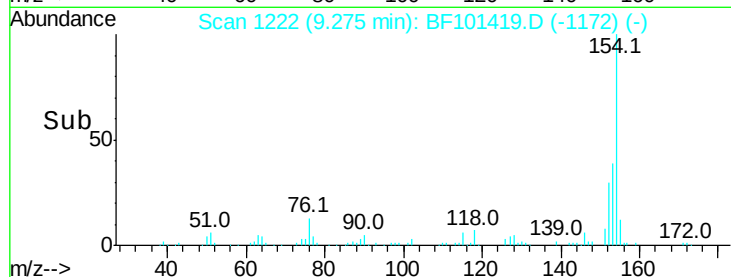
76 12.6 0.0 34.0



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



#50

2,6-Dinitrotoluene

Concen: 8.310 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.20 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

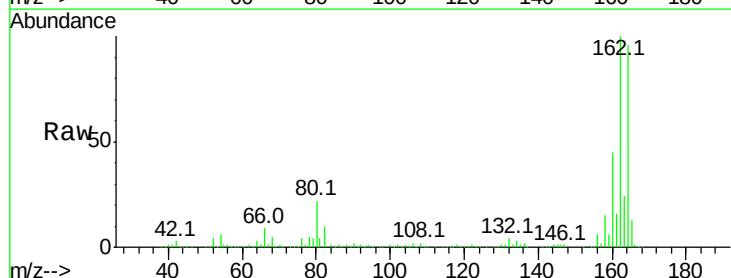
Tgt Ion:165 Resp: 43545

Ion Ratio Lower Upper

165 100

63 2.7 44.7 67.1#

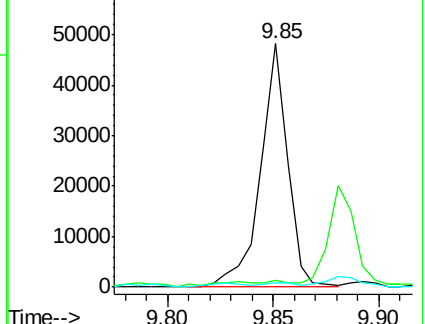
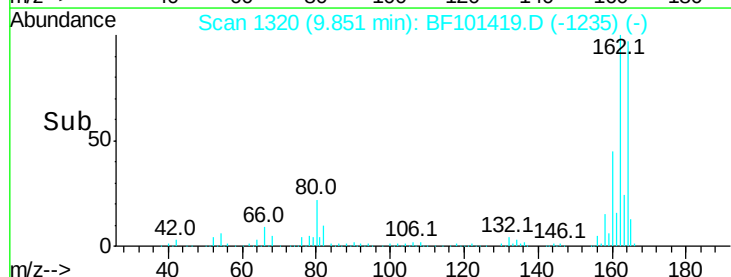
89 1.9 44.0 66.0#

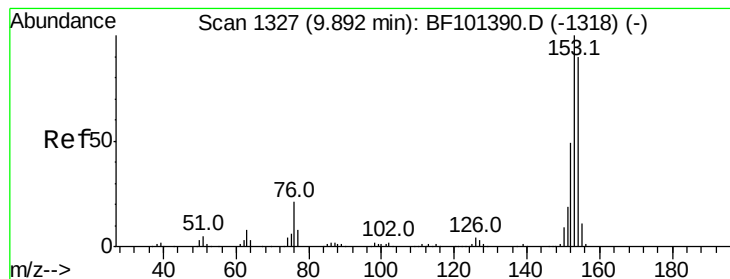


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 9.448 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA\_F

ClientSampleId :

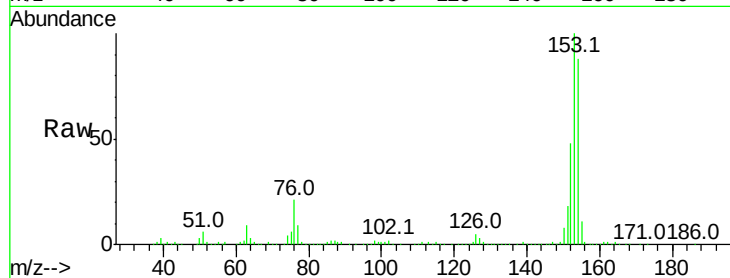
Tot Ion:154 Resp: 194998

Ion Ratio Lower Upper

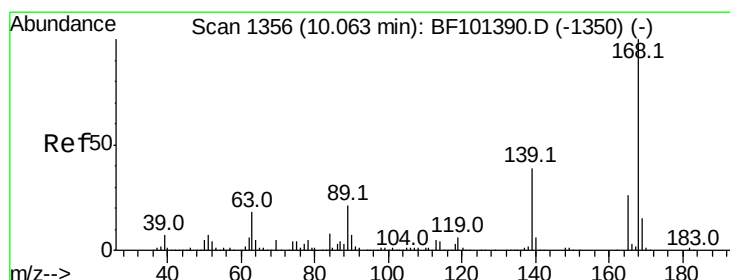
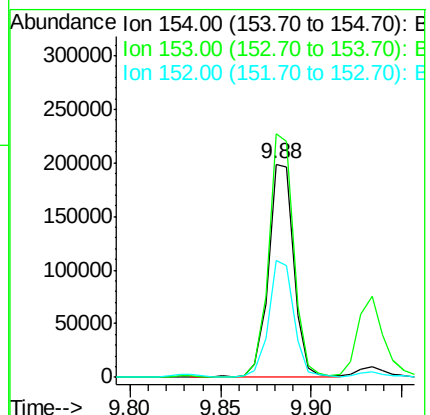
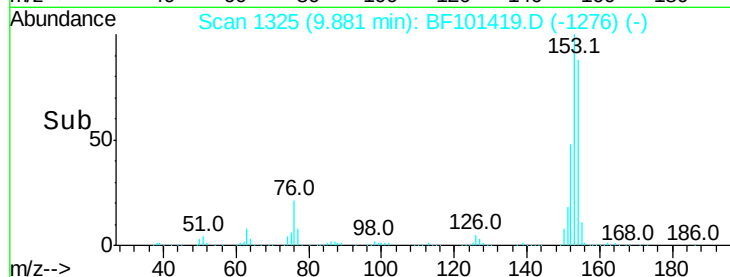
154 100

153 114.1 91.2 136.8

152 54.6 43.8 65.8



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



#54

Dibenzofuran

Concen: 7.704 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

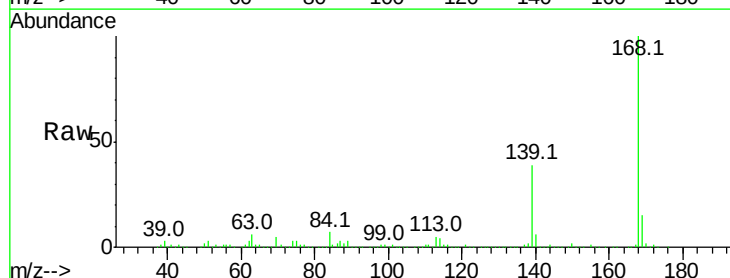
Tgt Ion:168 Resp: 202083

Ion Ratio Lower Upper

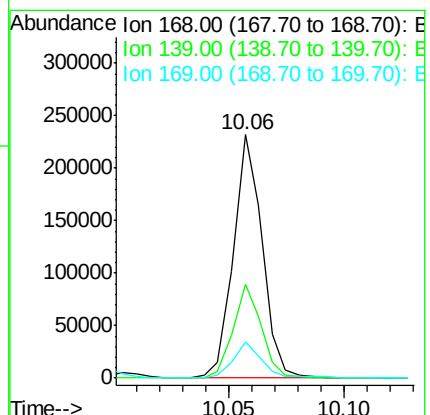
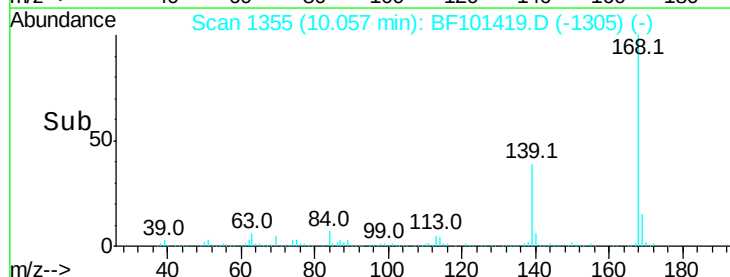
168 100

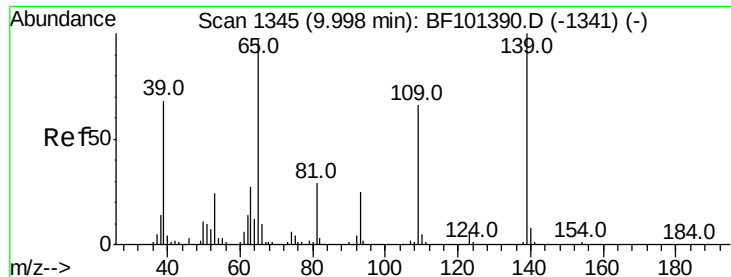
139 38.7 30.1 45.1

169 14.8 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 27.074 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.06 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA\_F

ClientSampled :

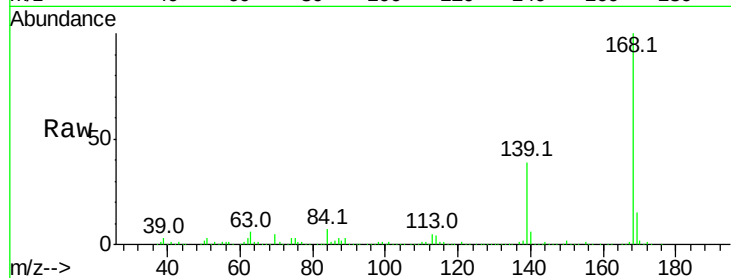
Tot Ion:139 Resp: 77127

Ion Ratio Lower Upper

139 100

109 1.2 48.4 88.4#

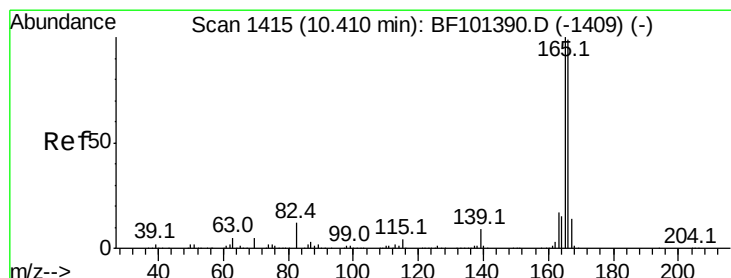
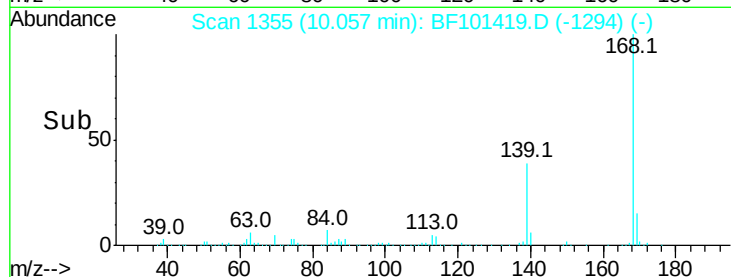
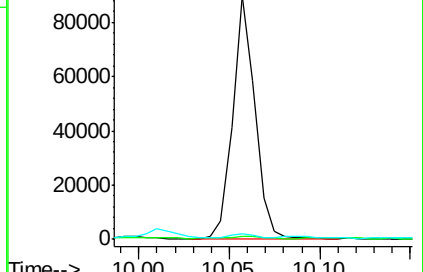
65 2.1 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

Fluorene

Concen: 7.518 ng

RT: 10.40 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

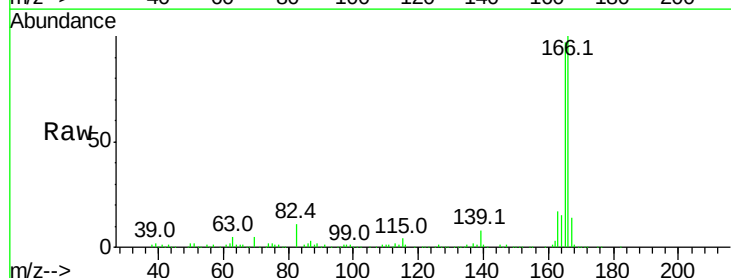
Tgt Ion:166 Resp: 166810

Ion Ratio Lower Upper

166 100

165 97.2 79.8 119.8

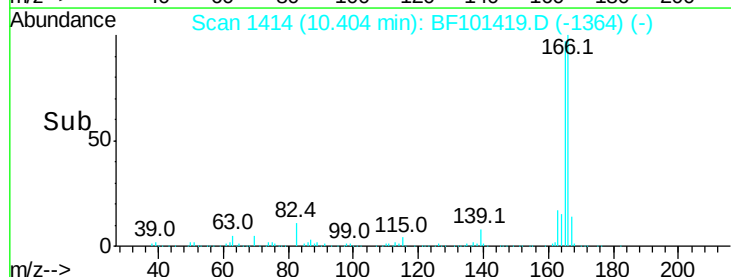
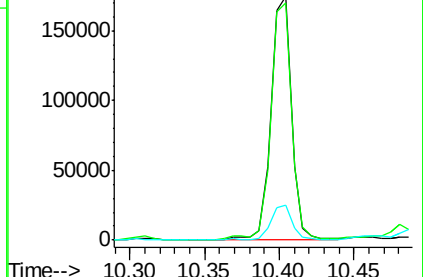
167 14.5 10.6 16.0

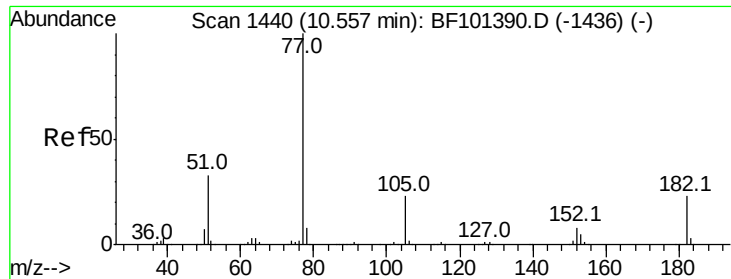


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

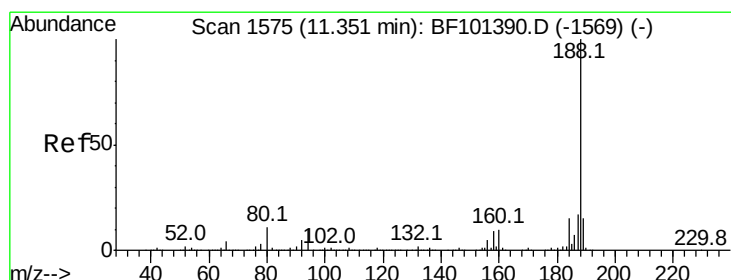
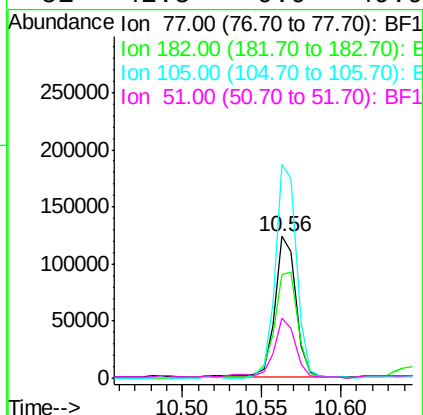
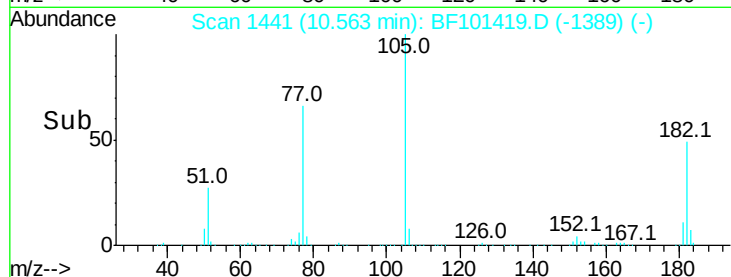
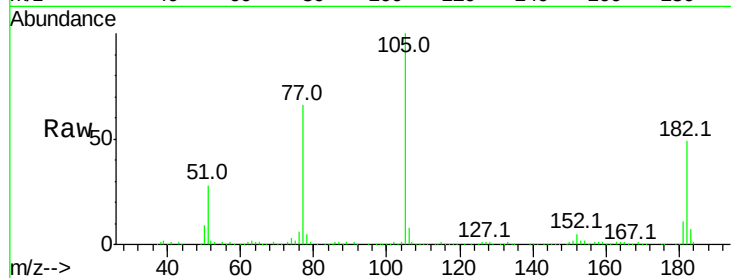




#62  
Azobenzene  
Concen: 4.366 ng  
RT: 10.56 min Scan# 1441  
Delta R.T. 0.01 min  
Lab File: BF101419.D  
Acq: 15 Dec 2017 2:57

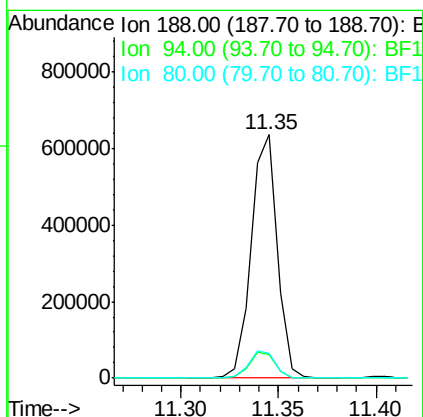
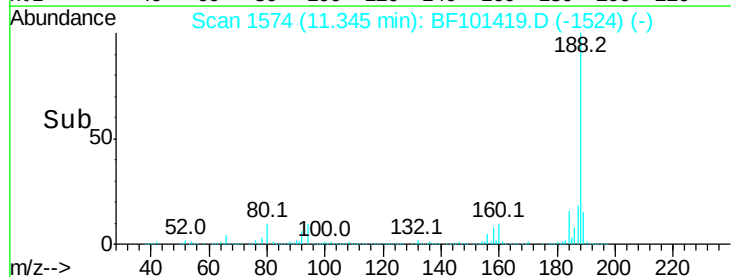
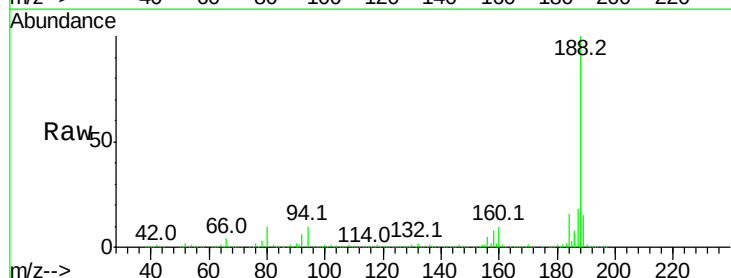
Instrument :  
BNA\_F  
ClientSampled :

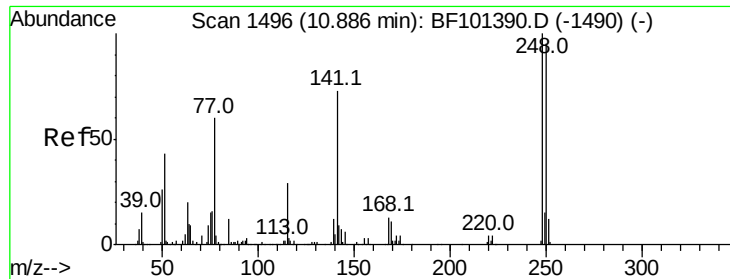
Tot Ion: 77 Resp: 115465  
Ion Ratio Lower Upper  
77 100  
182 73.1 1.7 41.7#  
105 150.6 3.0 43.0#  
51 42.5 9.9 49.9



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.35 min Scan# 1574  
Delta R.T. -0.01 min  
Lab File: BF101419.D  
Acq: 15 Dec 2017 2:57

Tgt Ion: 188 Resp: 588825  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.5 12.7  
80 10.3 9.2 13.8

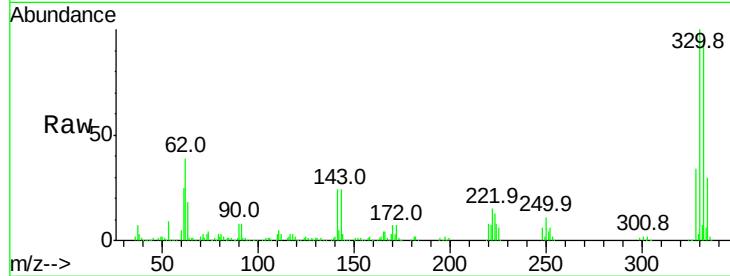




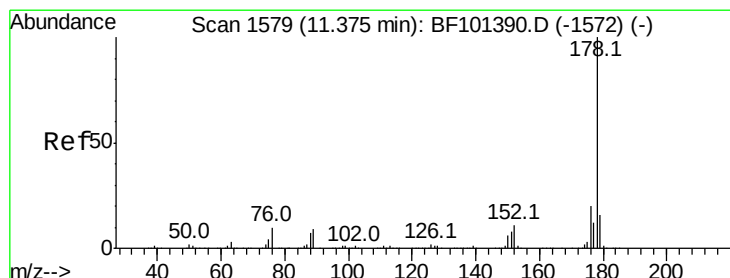
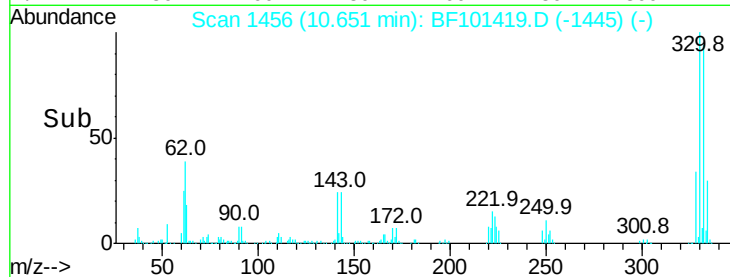
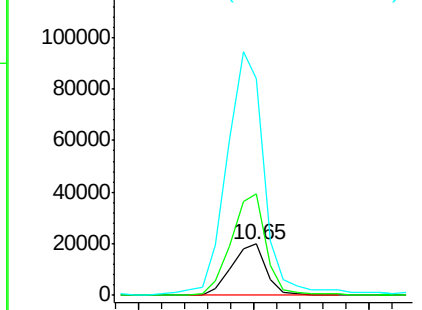
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.154 ng  
 RT: 10.65 min Scan# 1456  
 Delta R.T. -0.24 min  
 Lab File: BF101419.D  
 Acq: 15 Dec 2017 2:57

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 198.0 | 76.9  | 115.3# |
| 141     | 422.8 | 74.4  | 111.6# |

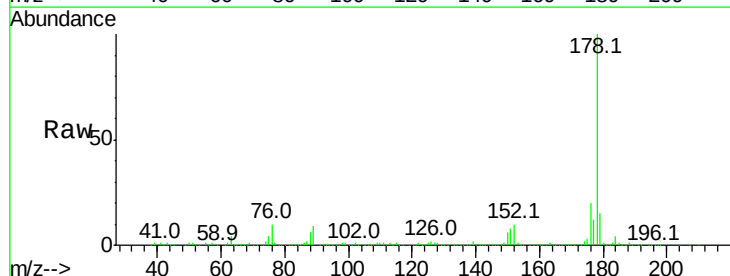


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

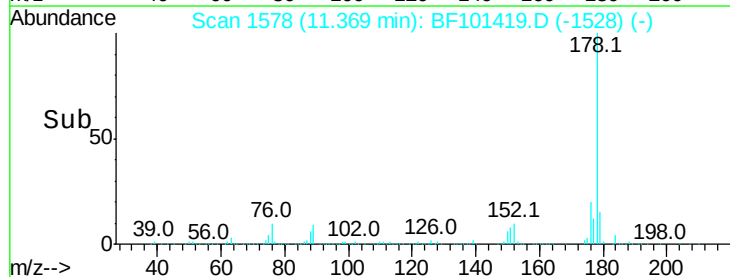
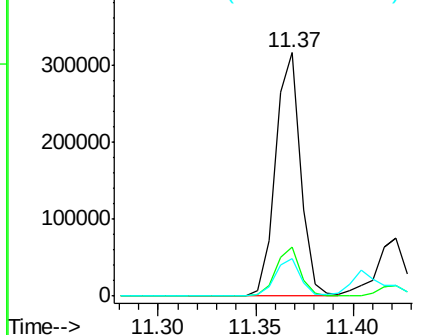


#70  
 Phenanthrene  
 Concen: 8.570 ng  
 RT: 11.37 min Scan# 1578  
 Delta R.T. -0.01 min  
 Lab File: BF101419.D  
 Acq: 15 Dec 2017 2:57

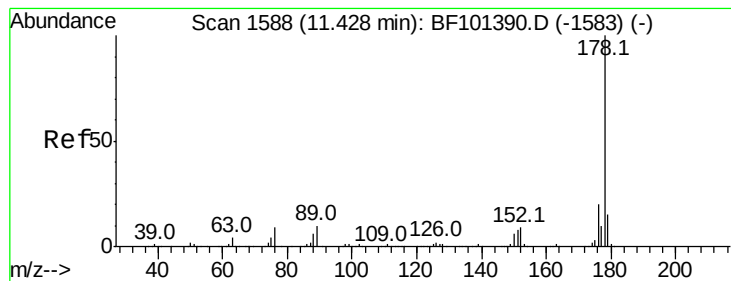
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.1  | 15.8  | 23.8  |
| 179     | 15.2  | 13.0  | 19.6  |



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







#71

Anthracene

Concen: 2.202 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA\_F

ClientSampleId :

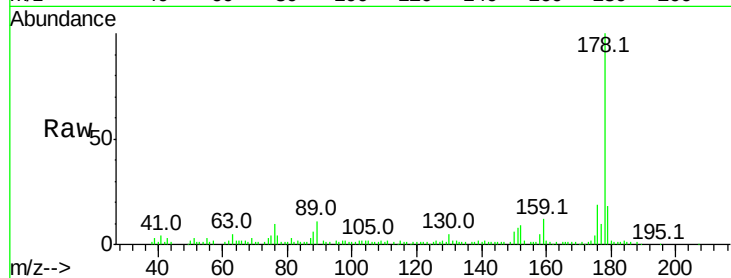
Tot Ion:178 Resp: 73661

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

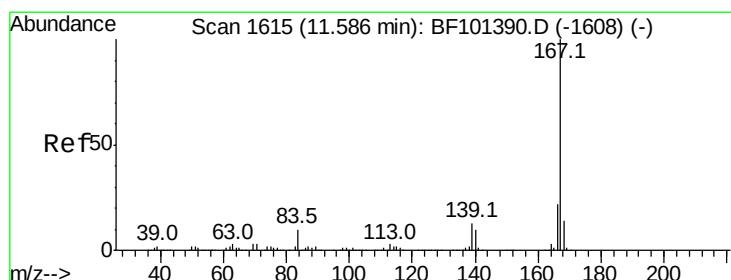
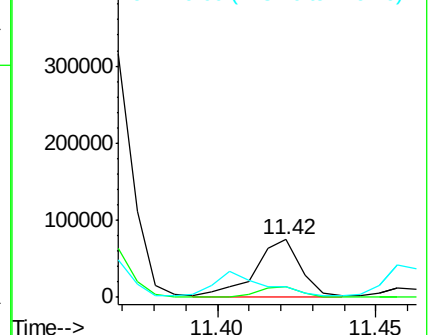
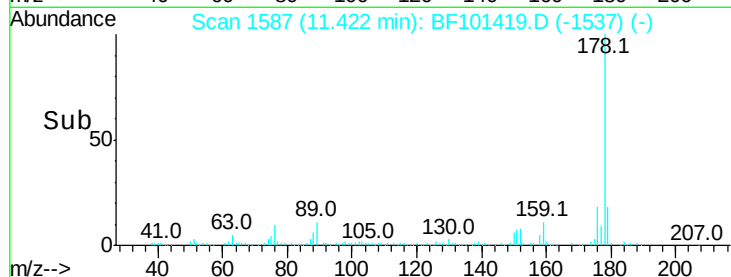
179 17.8 12.6 19.0



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

Carbazole

Concen: 12.811 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

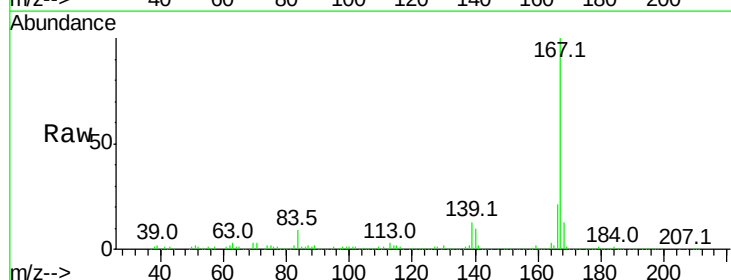
Tgt Ion:167 Resp: 401191

Ion Ratio Lower Upper

167 100

166 21.1 17.6 26.4

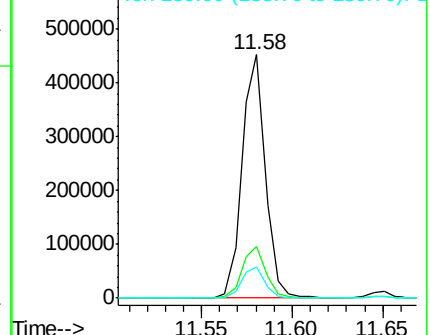
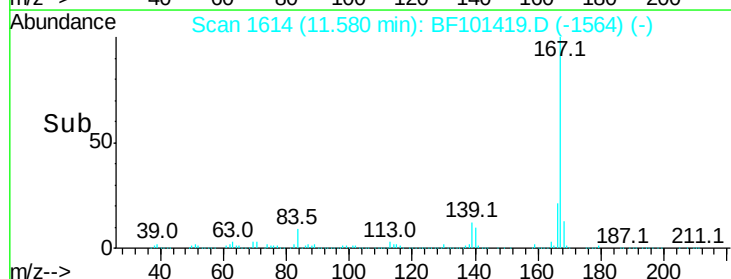
139 12.6 10.9 16.3

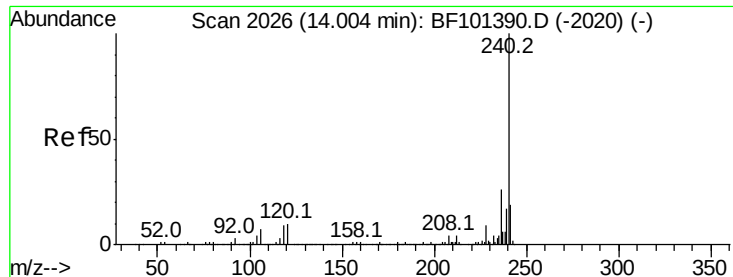


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA\_F

ClientSampleId :

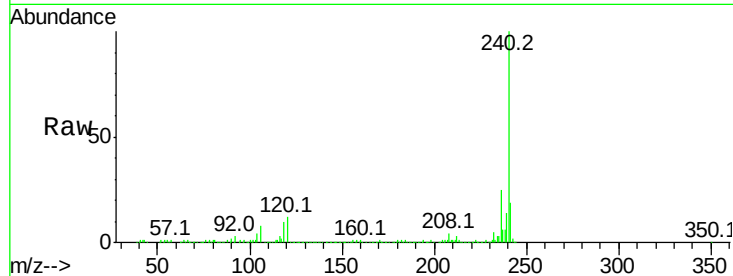
Tot Ion:240 Resp: 418014

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

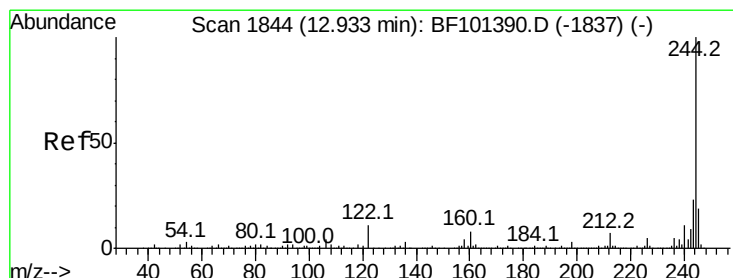
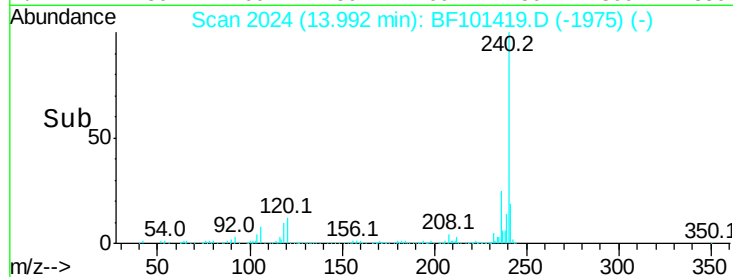
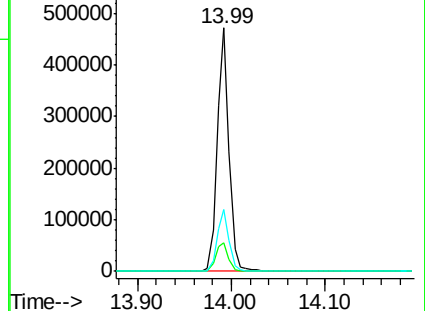
236 25.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 94.622 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

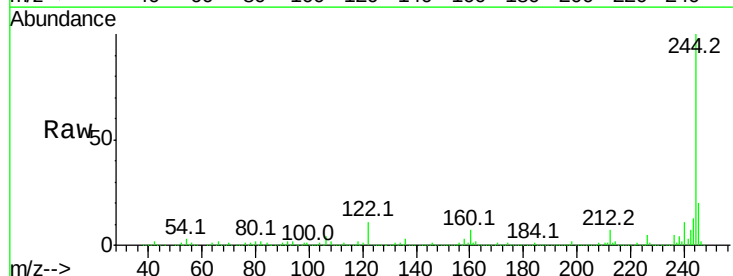
Tgt Ion:244 Resp: 1640689

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

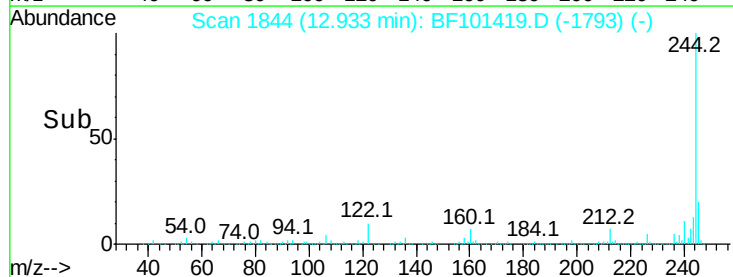
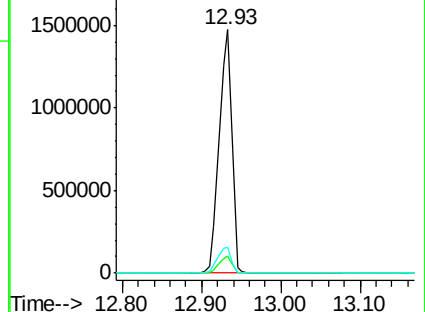
122 10.6 11.0 16.4#

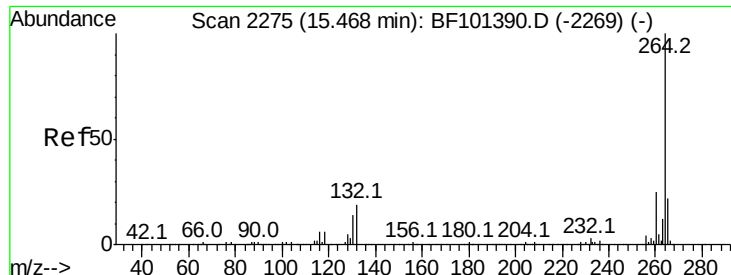


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

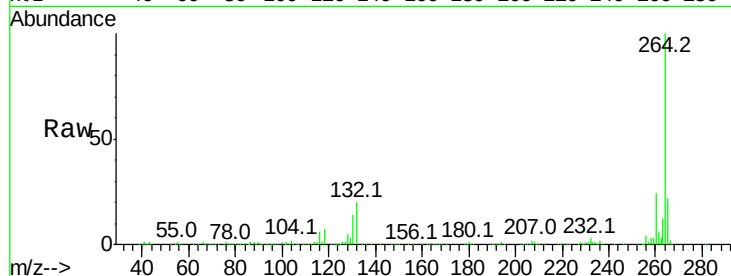




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.46 min Scan# 2274  
 Delta R.T. -0.01 min  
 Lab File: BF101419.D  
 Acq: 15 Dec 2017 2:57

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.2  | 28.8  |
| 265     | 21.8  | 17.5  | 26.3  |



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

