

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020416\  
 Data File : BF084832.D  
 Acq On : 4 Feb 2016 16:47  
 Operator : SJ/IZ  
 Sample : H1306-08 25X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BLFS-RL01

Quant Time: Feb 05 01:36:24 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 03 14:16:01 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.67  | 152  | 140785   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.96  | 136  | 430781   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.72  | 164  | 250167   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.20 | 188  | 472644   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.81 | 240  | 364219   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.19 | 264  | 289416   | 20.00 | ng    | -0.02    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.25  | 112 | 31245  | 3.46  | ng | -0.02 |
| 7) Phenol-d6                | 6.33  | 99  | 22670  | 2.02  | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.24  | 82  | 108064 | 14.13 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330 | 15874  | 6.08  | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.05  | 172 | 87119  | 3.47  | ng | -0.01 |
| 78) Terphenyl-d14           | 12.77 | 244 | 79782  | 4.96  | ng | -0.02 |

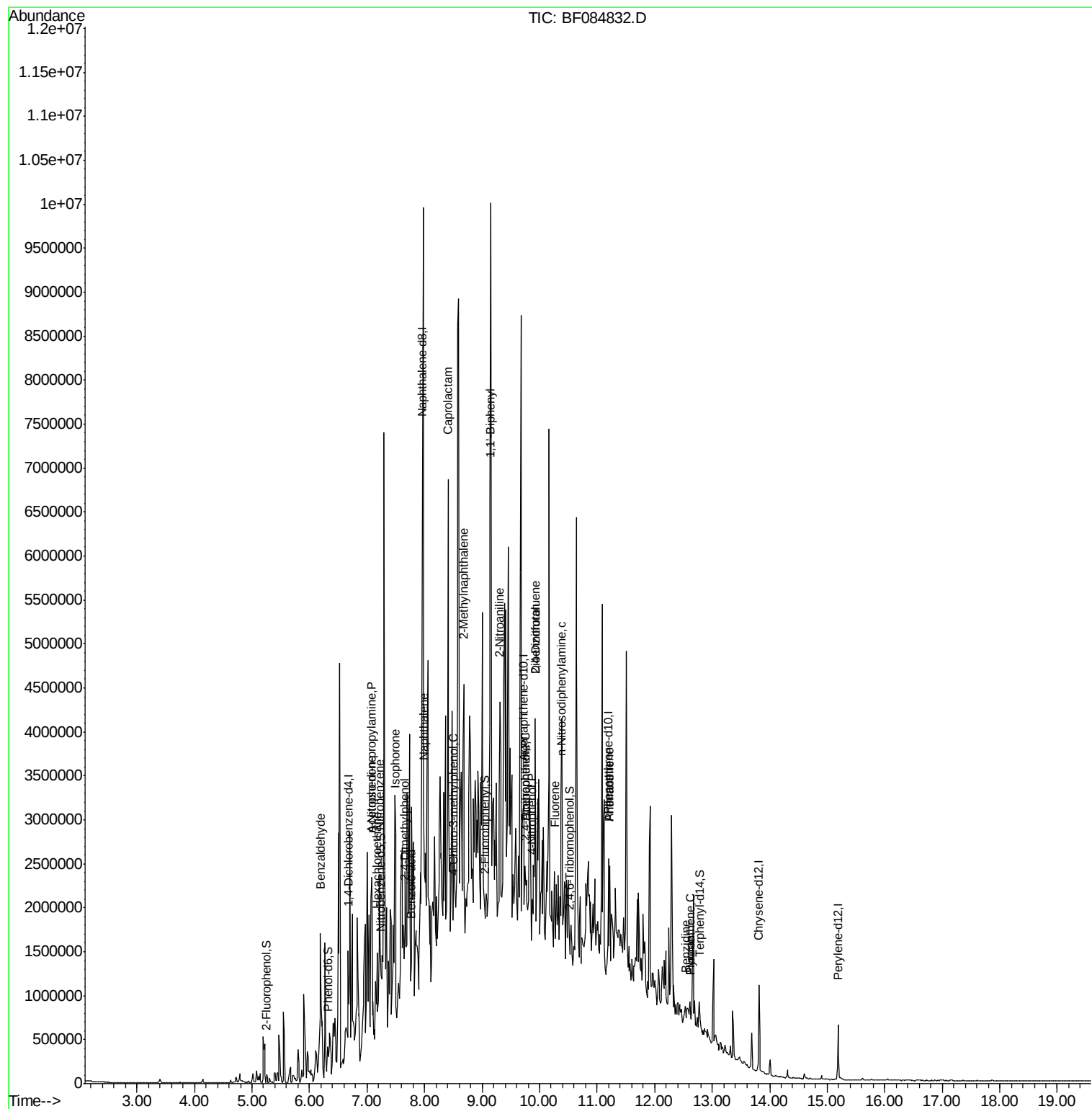
|                                |       |     |        |           |    |        |
|--------------------------------|-------|-----|--------|-----------|----|--------|
| Target Compounds               |       |     |        |           |    | Qvalue |
| 9) Benzaldehyde                | 6.19  | 77  | 45601  | 6.89      | ng | # 1    |
| 18) Hexachloroethane           | 7.17  | 117 | 46634  | 11.21     | ng | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.08  | 70  | 49380  | 7.03      | ng | # 15   |
| 22) Acetophenone               | 7.08  | 105 | 229359 | 20.20     | ng | # 39   |
| 24) Nitrobenzene               | 7.22  | 77  | 52792  | 6.45      | ng | # 31   |
| 25) Isophorone                 | 7.49  | 82  | 91301  | 6.14      | ng | # 1    |
| 27) 2,4-Dimethylphenol         | 7.65  | 122 | 14447  | 2.06      | ng | 91     |
| 31) Naphthalene                | 7.98  | 128 | 382999 | 17.72     | ng | # 93   |
| 32) Benzoic acid               | 7.77  | 122 | 24160  | 5.38      | ng | # 39   |
| 35) Caprolactam                | 8.41  | 113 | 122201 | 65.96     | ng | # 1    |
| 36) 4-Chloro-3-methylphenol    | 8.50  | 107 | 25324  | 3.69      | ng | # 31   |
| 37) 2-Methylnaphthalene        | 8.68  | 142 | 832068 | 61.53     | ng | 96     |
| 45) 1,1'-Biphenyl              | 9.14  | 154 | 116748 | 5.22      | ng | 98     |
| 47) 2-Nitroaniline             | 9.31  | 65  | 12952  | 2.49      | ng | # 43   |
| 51) Acenaphthene               | 9.74  | 154 | 64033  | 3.94      | ng | # 83   |
| 53) 2,4-Dinitrophenol          | 9.76  | 184 | 215    | 5.90      | ng | # 1    |
| 54) Dibenzofuran               | 9.93  | 168 | 44013  | 2.22      | ng | # 1    |
| 55) 4-Nitrophenol              | 9.87  | 139 | 7968   | 2.32      | ng | # 56   |
| 56) 2,4-Dinitrotoluene         | 9.93  | 165 | 26160  | 4.93      | ng | # 51   |
| 57) Fluorene                   | 10.26 | 166 | 108998 | 6.57      | ng | # 77   |
| 60) 4-Chlorophenyl-phenylether | 10.21 | 204 | 4152   | Below Cal |    | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.37 | 169 | 209952 | 13.99     | ng | # 63   |
| 70) Phenanthrene               | 11.22 | 178 | 397154 | 15.15     | ng | 96     |
| 71) Anthracene                 | 11.22 | 178 | 397154 | 15.04     | ng | 97     |
| 74) Fluoranthene               | 12.62 | 202 | 66329  | 2.50      | ng | 84     |
| 76) Benzidine                  | 12.54 | 184 | 2667   | 7.03      | ng | # 1    |
| 77) Pyrene                     | 12.62 | 202 | 67860  | 2.43      | ng | # 87   |

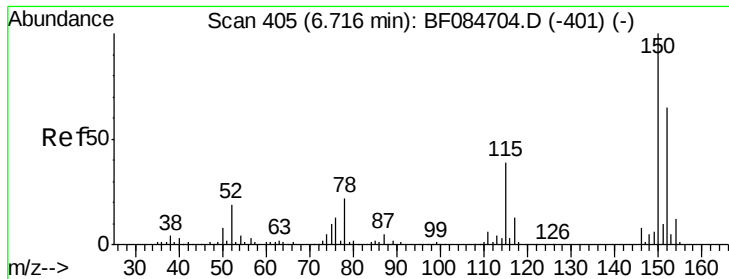
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 03 14:16:01 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

BNA\_F

ClientSampled :

BLFS-RL01

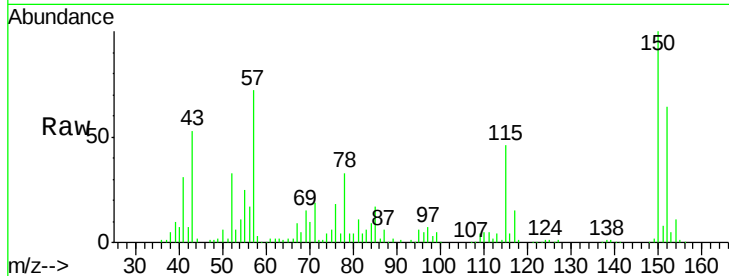
Tgt Ion:152 Resp: 140785

Ion Ratio Lower Upper

152 100

150 156.8 123.0 184.4

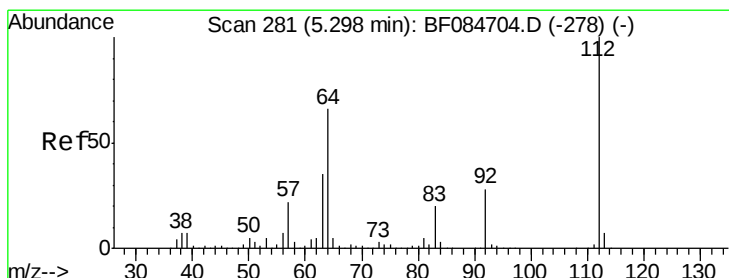
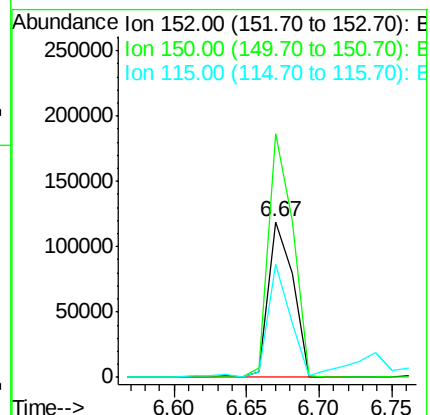
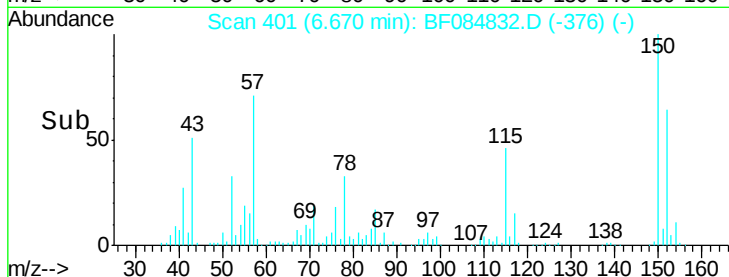
115 72.7 51.4 77.2



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



#5

2-Fluorophenol

Concen: 3.46 ng

RT: 5.25 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

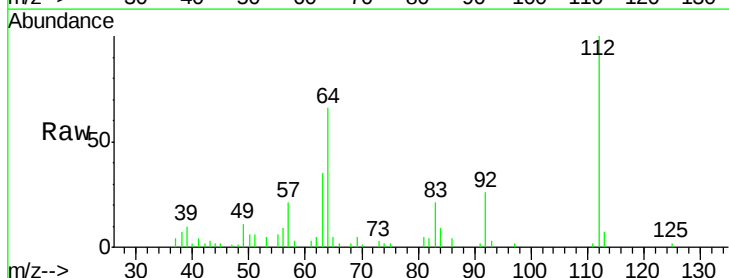
Tgt Ion:112 Resp: 31245

Ion Ratio Lower Upper

112 100

64 66.2 36.6 55.0#

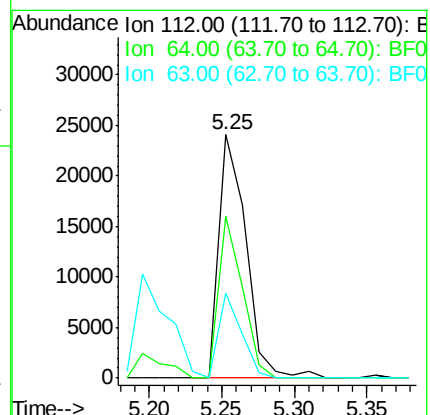
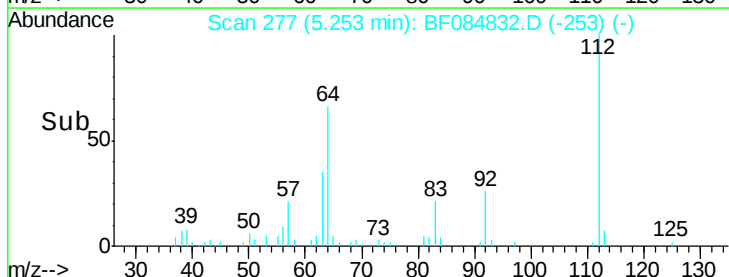
63 34.7 19.4 29.0#

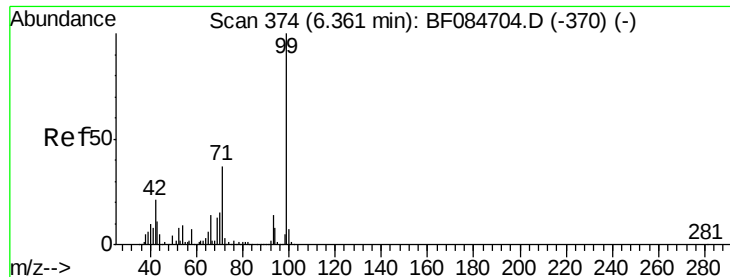


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.02 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

BNA\_F

ClientSampleId :

BLFS-RL01

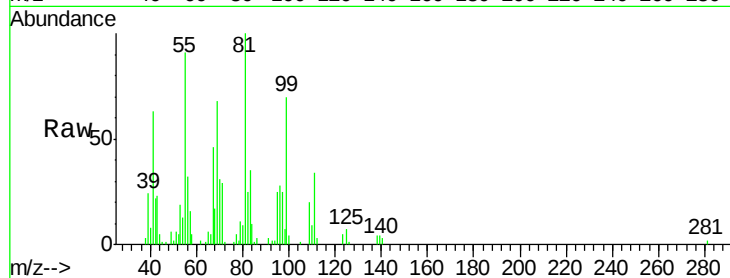
Tgt Ion: 99 Resp: 22670

Ion Ratio Lower Upper

99 100

42 31.6 12.8 19.2#

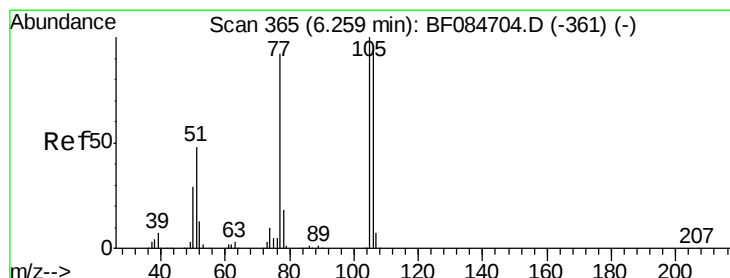
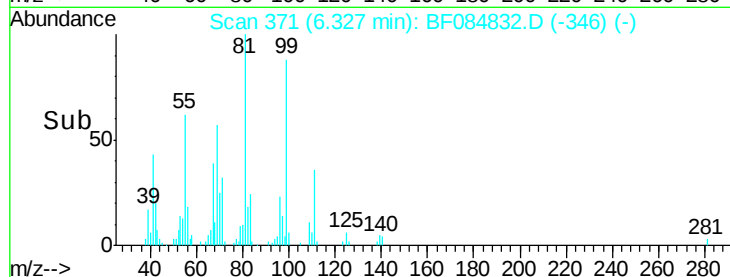
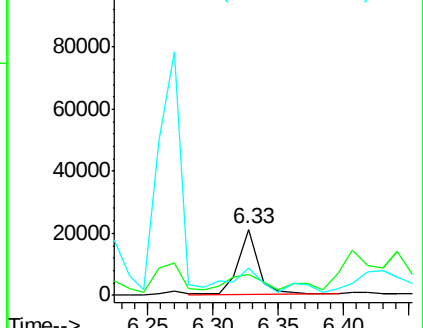
71 40.9 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 6.89 ng

RT: 6.19 min Scan# 359

Delta R.T. -0.05 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

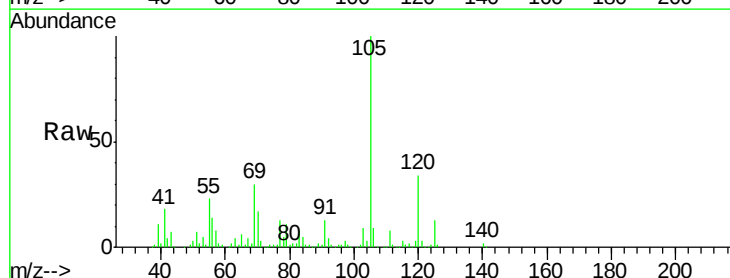
Tgt Ion: 77 Resp: 45601

Ion Ratio Lower Upper

77 100

105 782.3 83.0 123.0#

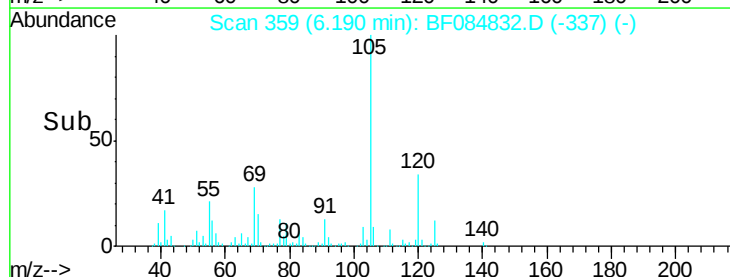
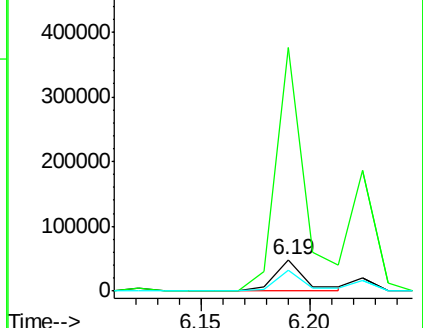
106 69.1 74.6 114.6#

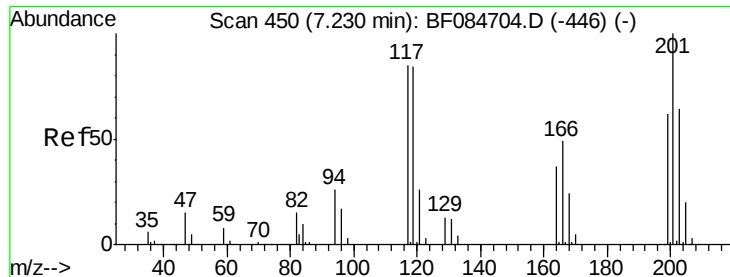


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

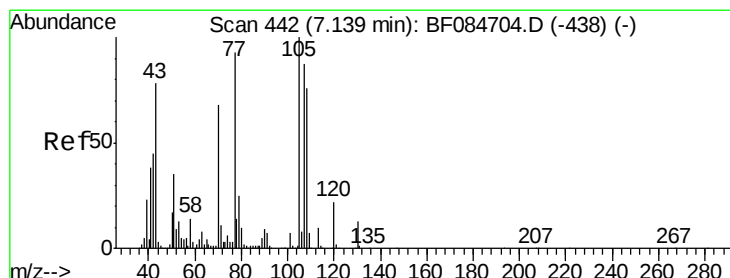
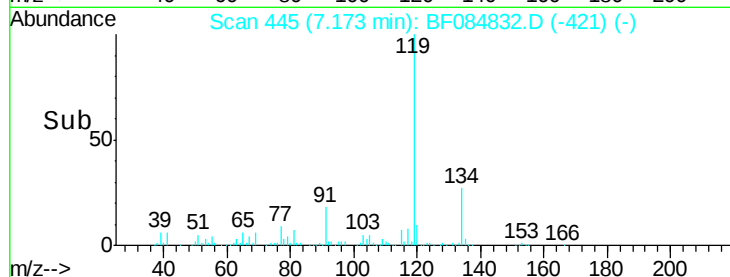
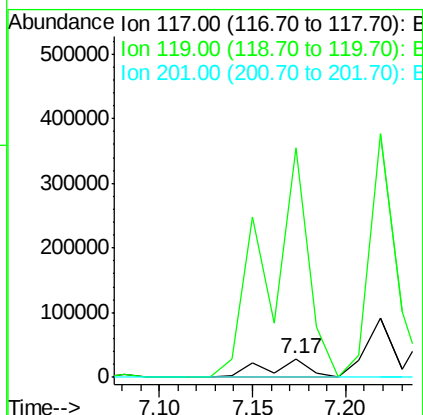
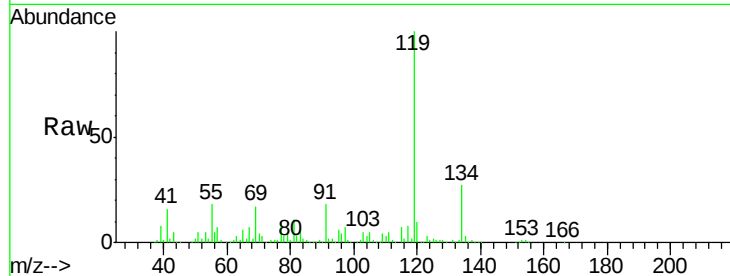




#18  
Hexachloroethane  
Concen: 11.21 ng  
RT: 7.17 min Scan# 445  
Delta R.T. -0.02 min  
Lab File: BF084832.D  
Acq: 4 Feb 2016 16:47

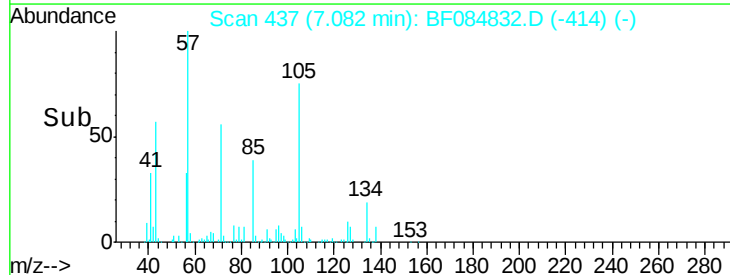
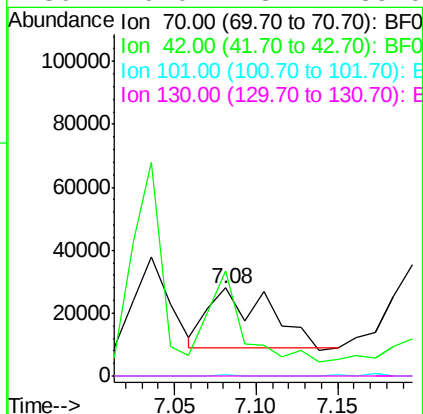
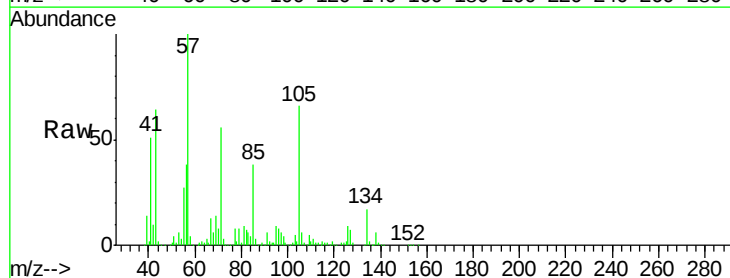
Instrument :  
BNA\_F  
ClientSampleId :  
BLFS-RL01

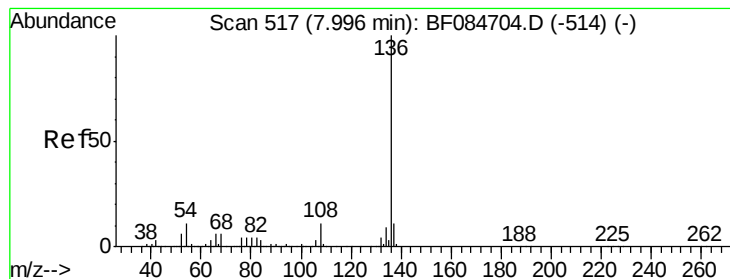
Tgt Ion: 117 Resp: 46634  
Ion Ratio Lower Upper  
117 100  
119 1232.5 77.4 116.0#  
201 0.0 68.6 103.0#



#19  
n-Nitroso-di-n-propylamine  
Concen: 7.03 ng  
RT: 7.08 min Scan# 437  
Delta R.T. -0.03 min  
Lab File: BF084832.D  
Acq: 4 Feb 2016 16:47

Tgt Ion: 70 Resp: 49380  
Ion Ratio Lower Upper  
70 100  
42 119.0 33.3 49.9#  
101 1.9 9.3 13.9#  
130 0.0 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

BNA\_F

ClientSampleId :

BLFS-RL01

Tgt Ion:136 Resp: 430781

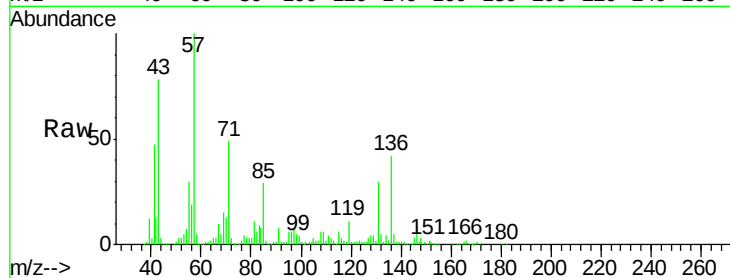
Ion Ratio Lower Upper

136 100

137 12.9 8.7 13.1

54 17.7 5.8 8.8#

68 12.9 4.2 6.2#



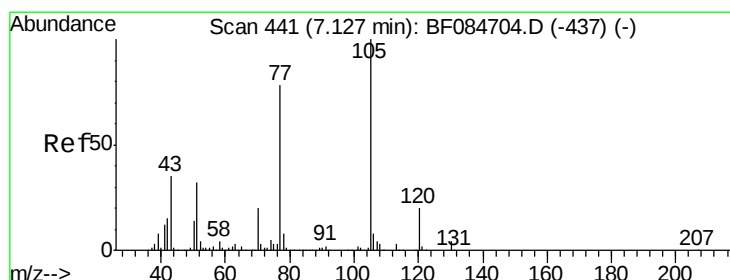
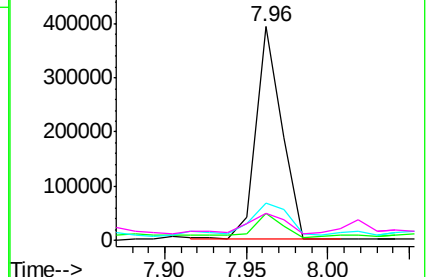
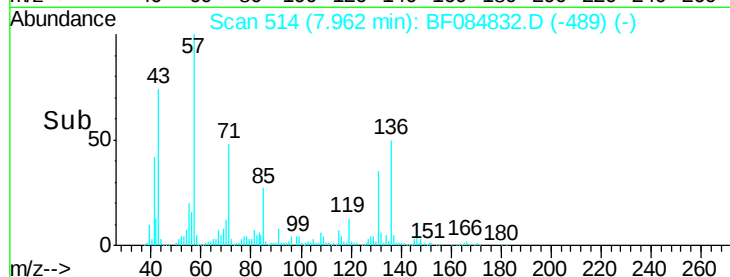
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->



#22

Acetophenone

Concen: 20.20 ng

RT: 7.08 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Tgt Ion:105 Resp: 229359

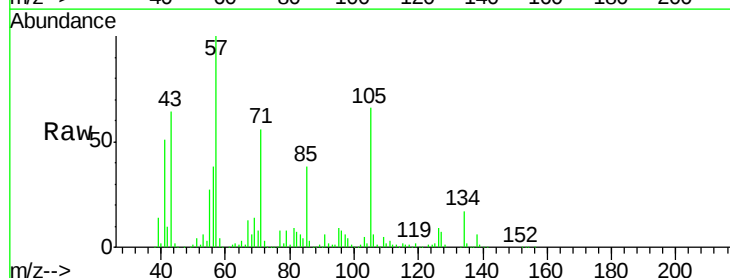
Ion Ratio Lower Upper

105 100

71 84.5 3.7 5.5#

51 5.5 25.1 37.7#

120 0.5 16.6 25.0#



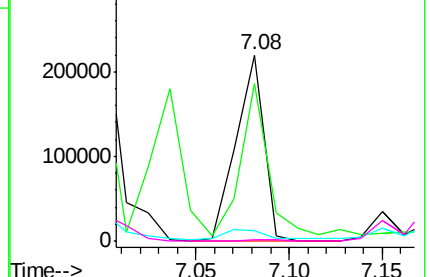
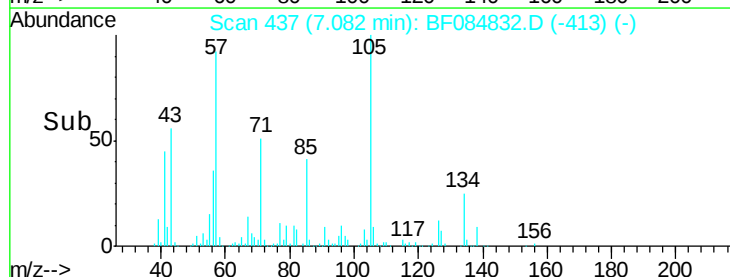
Abundance Ion 105.00 (104.70 to 105.70): E

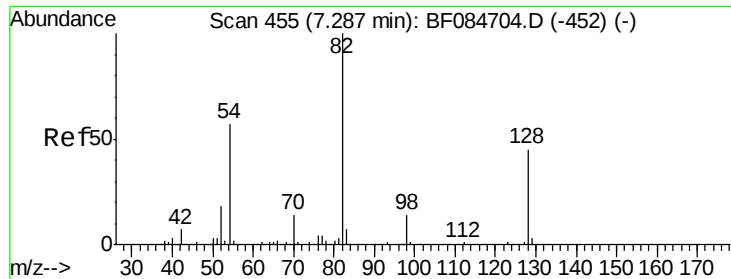
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->

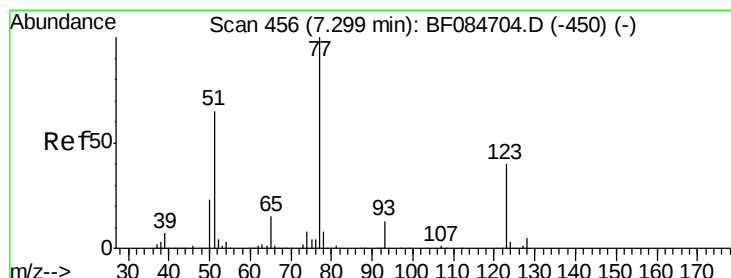
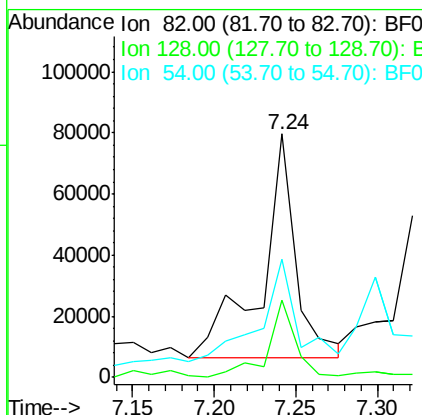
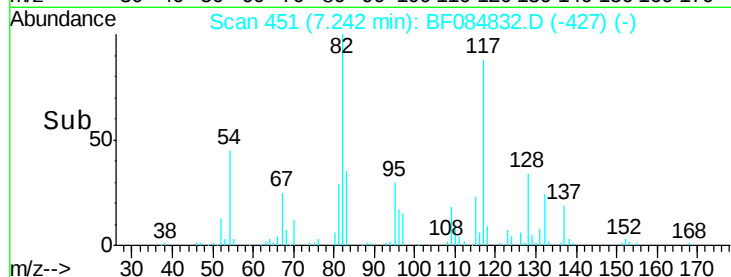
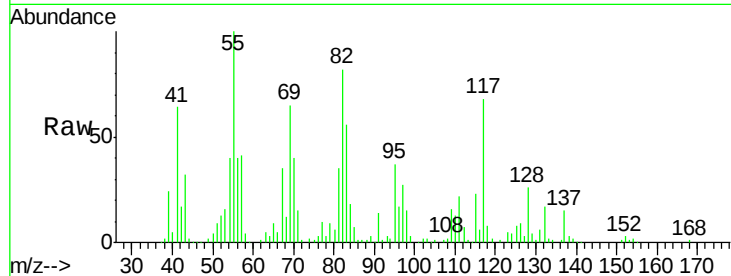




#23  
 Nitrobenzene-d5  
 Concen: 14.13 ng  
 RT: 7.24 min Scan# 451  
 Delta R.T. -0.02 min  
 Lab File: BF084832.D  
 Acq: 4 Feb 2016 16:47

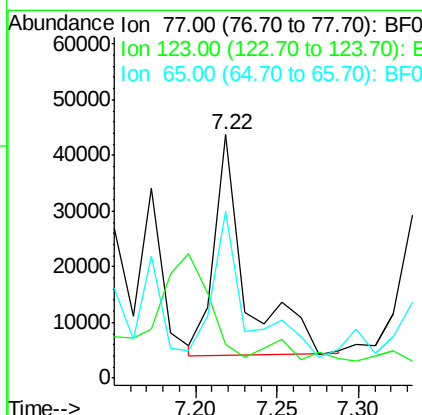
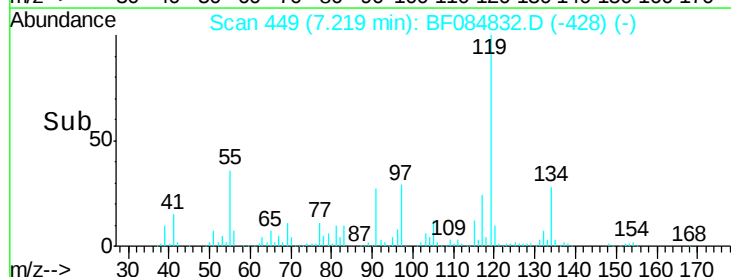
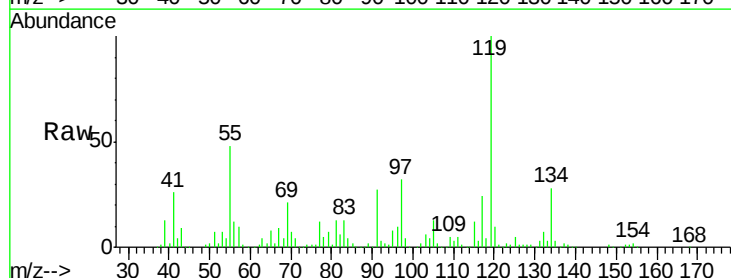
Instrument :  
 BNA\_F  
 ClientSampled :  
 BLFS-RL01

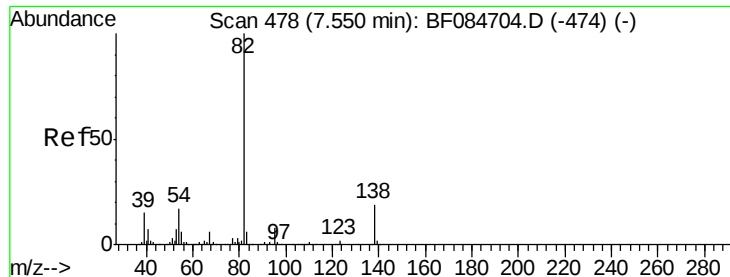
Tgt Ion: 82 Resp: 108064  
 Ion Ratio Lower Upper  
 82 100  
 128 31.8 34.6 51.8#  
 54 48.5 38.4 57.6



#24  
 Nitrobenzene  
 Concen: 6.45 ng  
 RT: 7.22 min Scan# 449  
 Delta R.T. -0.06 min  
 Lab File: BF084832.D  
 Acq: 4 Feb 2016 16:47

Tgt Ion: 77 Resp: 52792  
 Ion Ratio Lower Upper  
 77 100  
 123 14.1 37.4 56.2#  
 65 68.5 10.9 16.3#





#25

Isophorone

Concen: 6.14 ng

RT: 7.49 min Scan# 473

Delta R.T. -0.03 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

BNA\_F

ClientSampleId :

BLFS-RL01

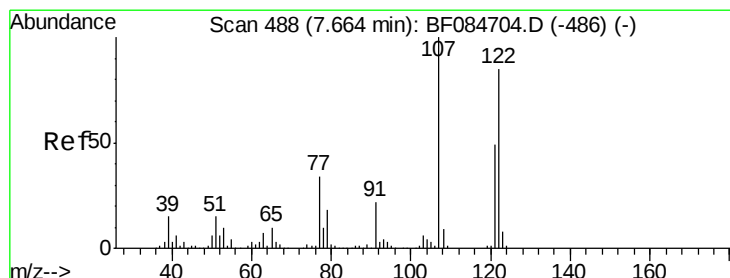
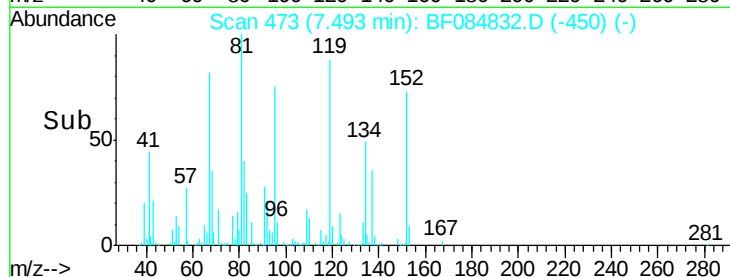
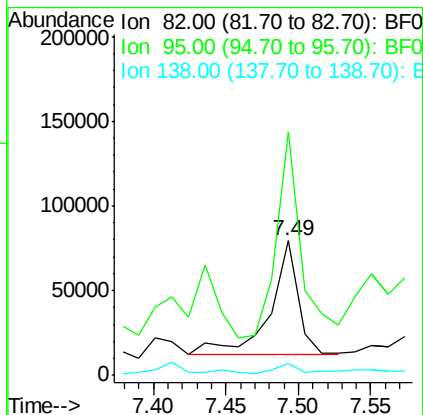
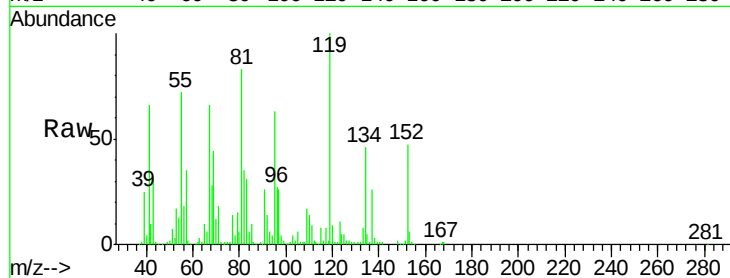
Tgt Ion: 82 Resp: 91301

Ion Ratio Lower Upper

82 100

95 180.8 6.6 10.0#

138 9.2 13.6 20.4#



#27

2,4-Dimethylphenol

Concen: 2.06 ng

RT: 7.65 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

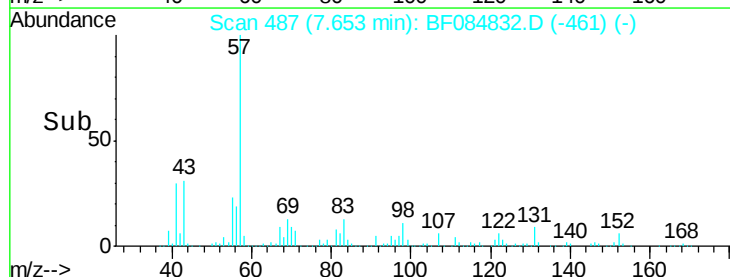
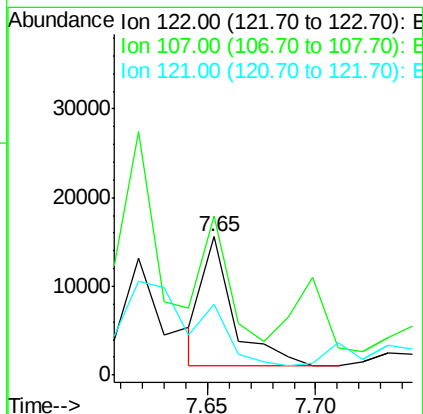
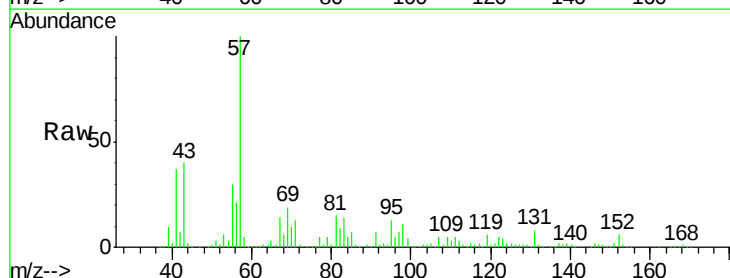
Tgt Ion: 122 Resp: 14447

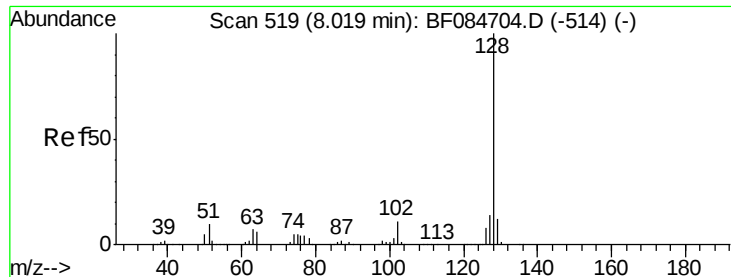
Ion Ratio Lower Upper

122 100

107 115.0 99.1 148.7

121 51.6 47.9 71.9

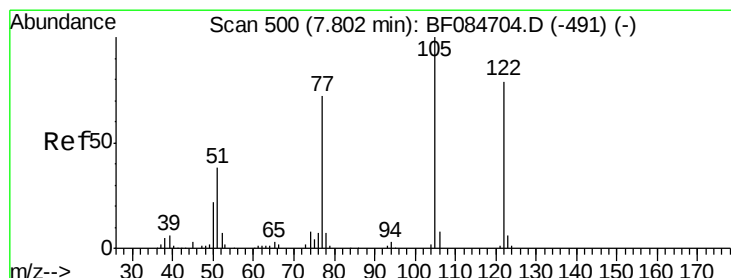
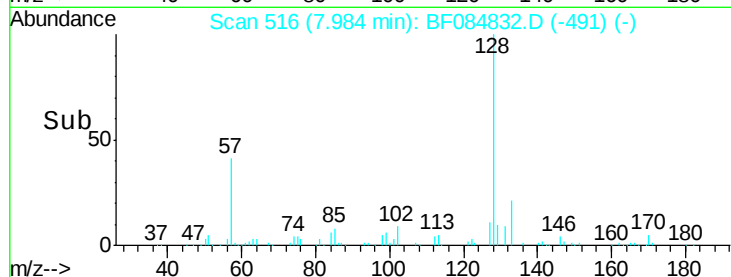
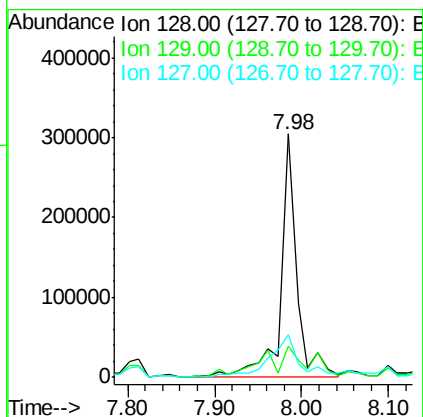
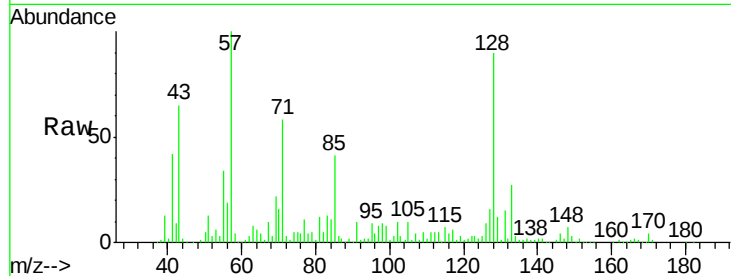




#31  
Naphthalene  
Concen: 17.72 ng  
RT: 7.98 min Scan# 516  
Delta R.T. -0.01 min  
Lab File: BF084832.D  
Acq: 4 Feb 2016 16:47

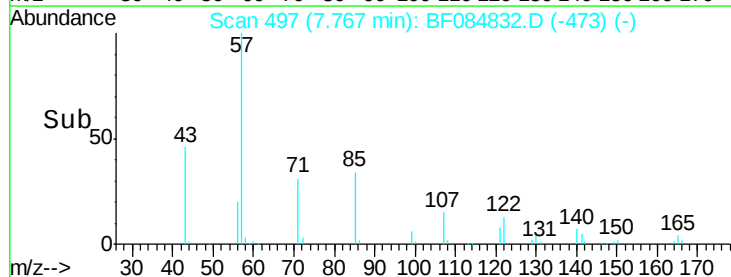
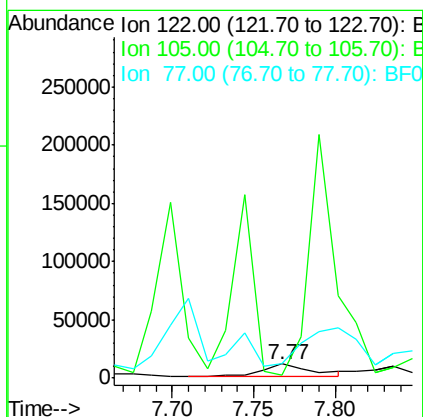
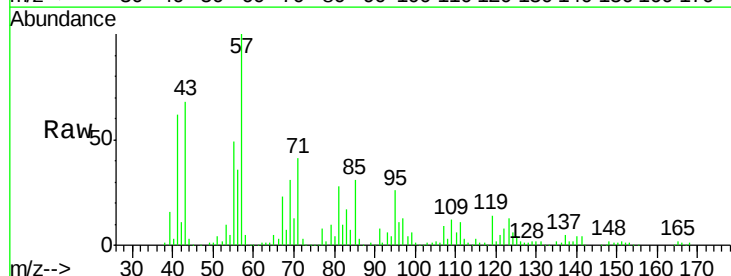
Instrument :  
BNA\_F  
ClientSampleId :  
BLFS-RL01

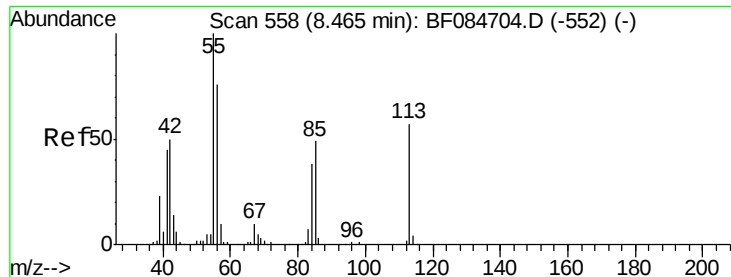
Tgt Ion:128 Resp: 382999  
Ion Ratio Lower Upper  
128 100  
129 13.0 9.1 13.7  
127 17.4 11.1 16.7#



#32  
Benzoic acid  
Concen: 5.38 ng  
RT: 7.77 min Scan# 497  
Delta R.T. -0.02 min  
Lab File: BF084832.D  
Acq: 4 Feb 2016 16:47

Tgt Ion:122 Resp: 24160  
Ion Ratio Lower Upper  
122 100  
105 25.1 100.3 140.3#  
77 107.4 63.5 103.5#

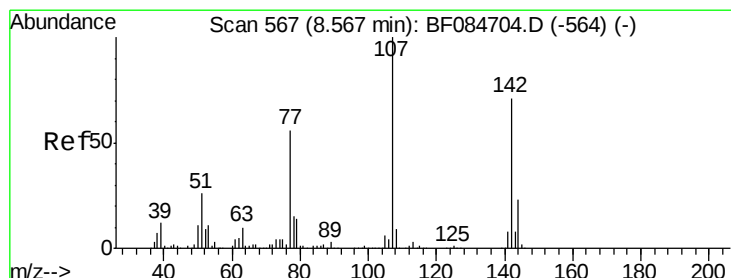
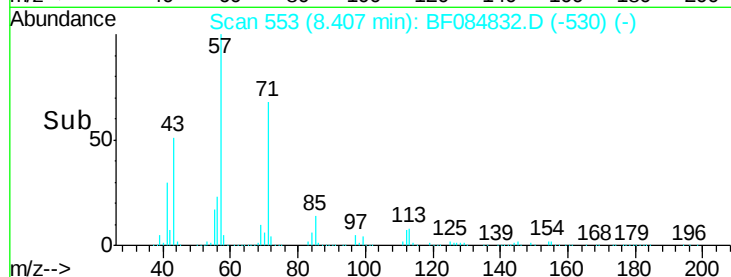
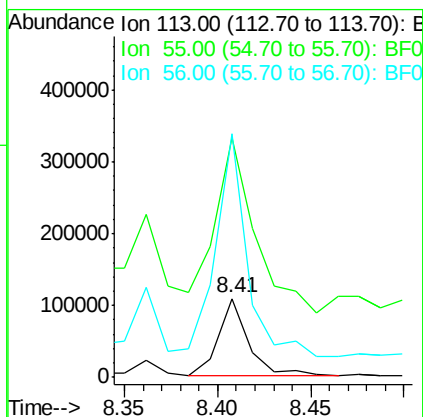
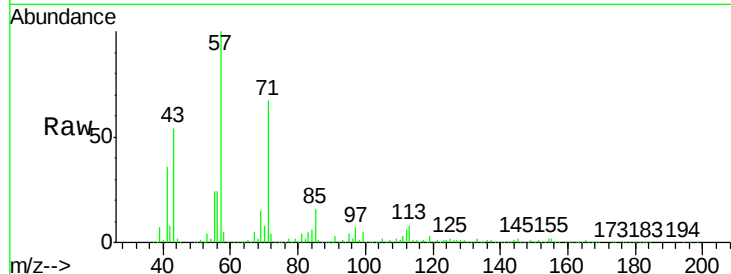




#35  
 Caprolactam  
 Concen: 65.96 ng  
 RT: 8.41 min Scan# 553  
 Delta R.T. -0.03 min  
 Lab File: BF084832.D  
 Acq: 4 Feb 2016 16:47

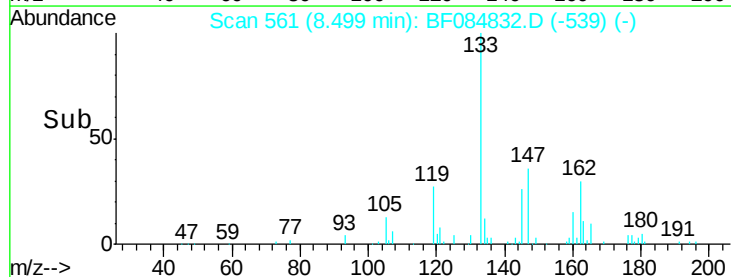
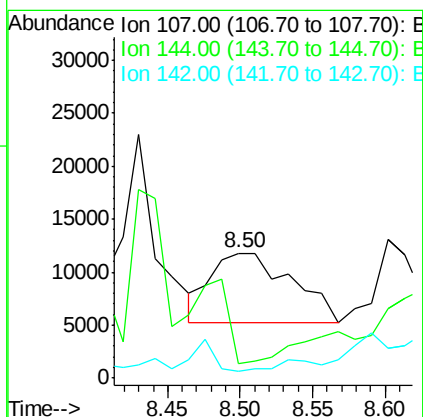
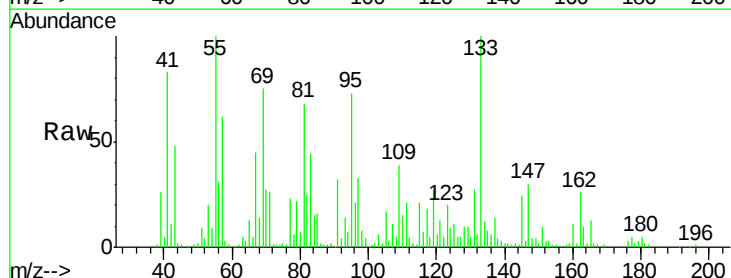
Instrument :  
 BNA\_F  
 ClientSampleId :  
 BLFS-RL01

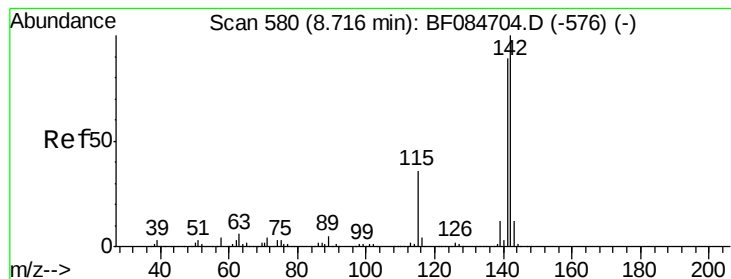
Tgt Ion:113 Resp: 122201  
 Ion Ratio Lower Upper  
 113 100  
 55 304.2 116.9 156.9#  
 56 309.6 93.8 133.8#



#36  
 4-Chloro-3-methylphenol  
 Concen: 3.69 ng  
 RT: 8.50 min Scan# 561  
 Delta R.T. -0.05 min  
 Lab File: BF084832.D  
 Acq: 4 Feb 2016 16:47

Tgt Ion:107 Resp: 25324  
 Ion Ratio Lower Upper  
 107 100  
 144 11.3 19.7 29.5#  
 142 5.4 61.8 92.6#

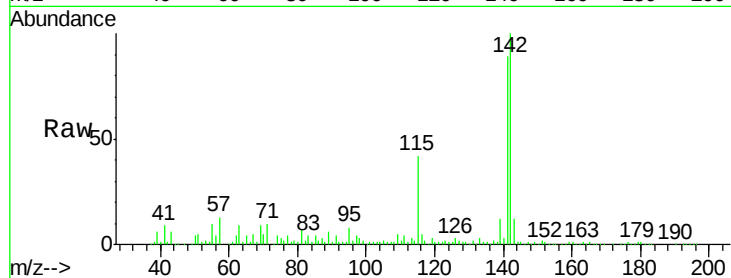




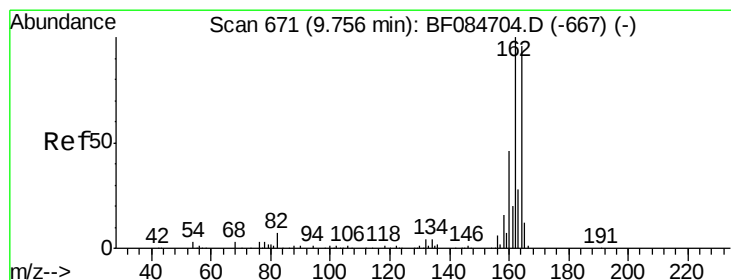
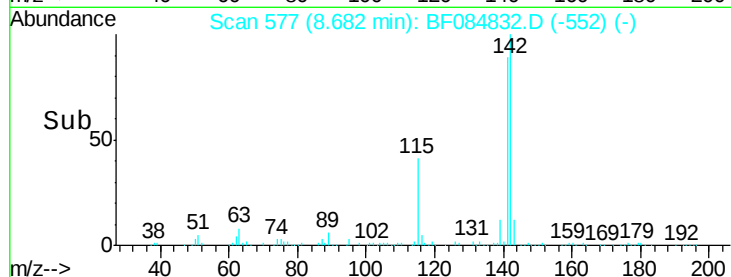
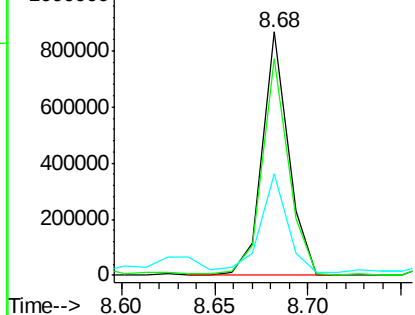
#37  
 2-Methylnaphthalene  
 Concen: 61.53 ng  
 RT: 8.68 min Scan# 577  
 Delta R.T. -0.01 min  
 Lab File: BF084832.D  
 Acq: 4 Feb 2016 16:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BLFS-RL01

Tgt Ion:142 Resp: 832068  
 Ion Ratio Lower Upper  
 142 100  
 141 89.0 72.4 108.6  
 115 41.8 27.9 41.9

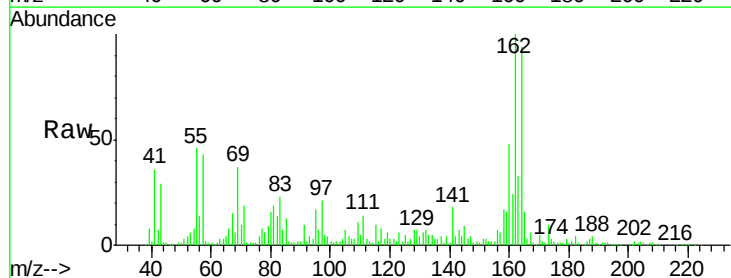


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

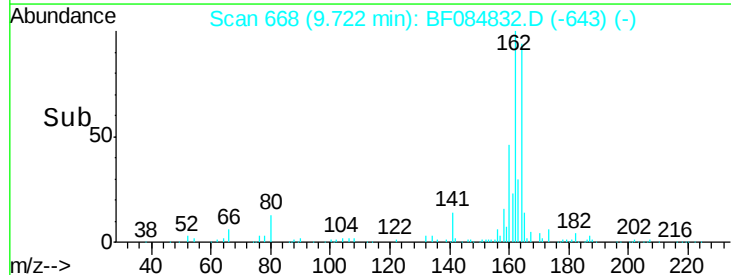
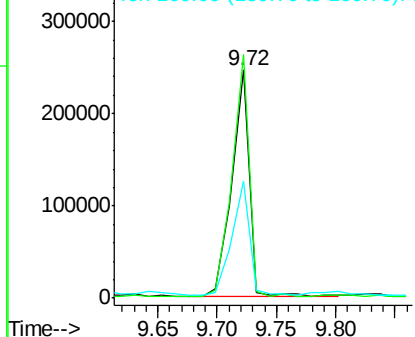


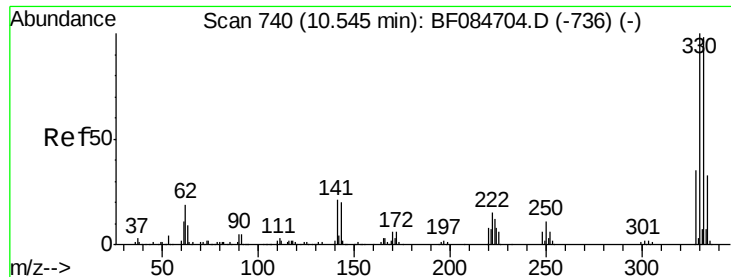
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.72 min Scan# 668  
 Delta R.T. -0.01 min  
 Lab File: BF084832.D  
 Acq: 4 Feb 2016 16:47

Tgt Ion:164 Resp: 250167  
 Ion Ratio Lower Upper  
 164 100  
 162 106.9 85.1 127.7  
 160 51.3 37.5 56.3



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

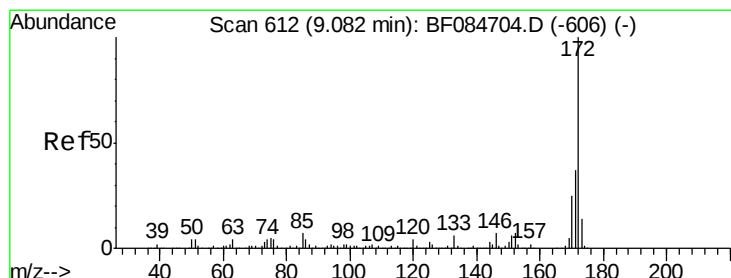
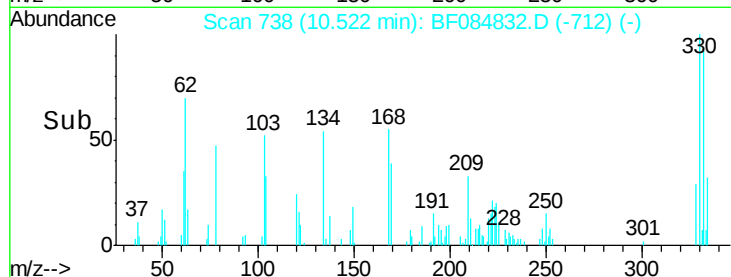
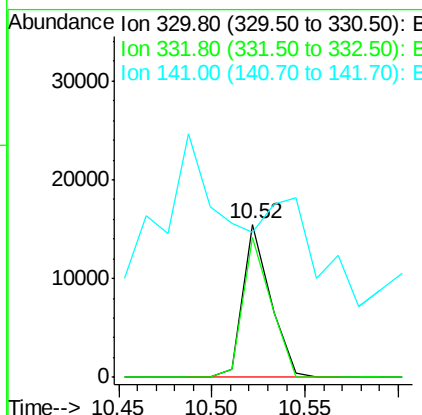
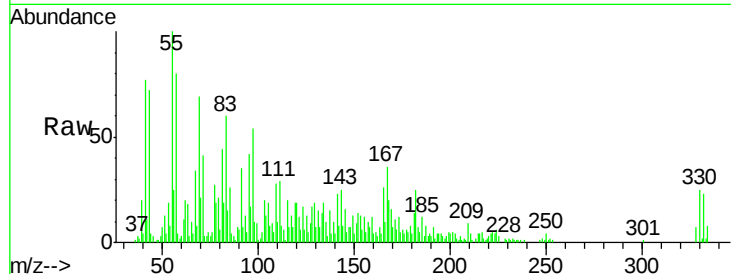




#41  
 2,4,6-Tribromophenol  
 Concen: 6.08 ng  
 RT: 10.52 min Scan# 738  
 Delta R.T. -0.00 min  
 Lab File: BF084832.D  
 Acq: 4 Feb 2016 16:47

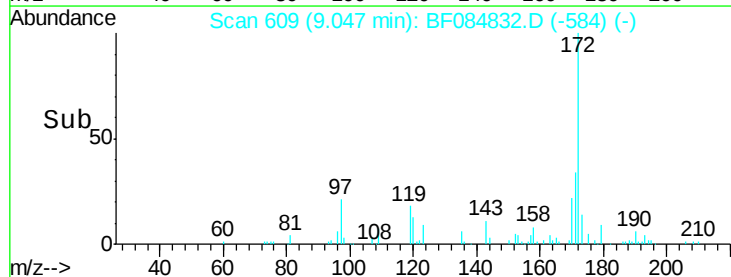
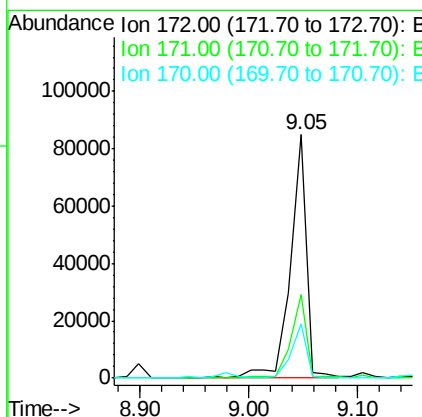
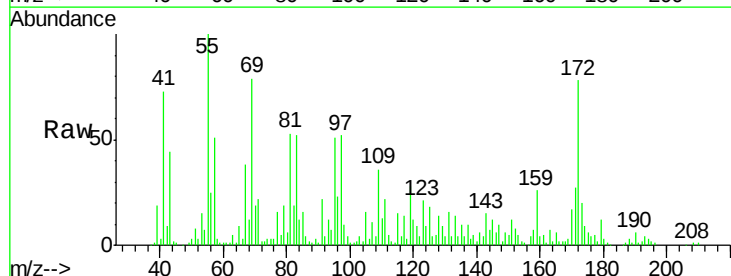
Instrument :  
 BNA\_F  
 ClientSampleId :  
 BLFS-RL01

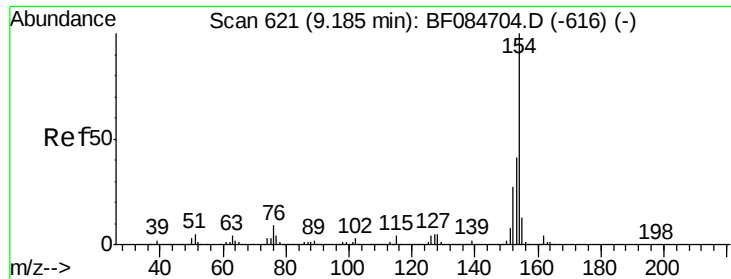
Tgt Ion:330 Resp: 15874  
 Ion Ratio Lower Upper  
 330 100  
 332 92.9 76.6 114.8  
 141 0.0 27.8 41.6#



#44  
 2-Fluorobiphenyl  
 Concen: 3.47 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.01 min  
 Lab File: BF084832.D  
 Acq: 4 Feb 2016 16:47

Tgt Ion:172 Resp: 87119  
 Ion Ratio Lower Upper  
 172 100  
 171 34.2 28.9 43.3  
 170 22.4 18.6 27.8

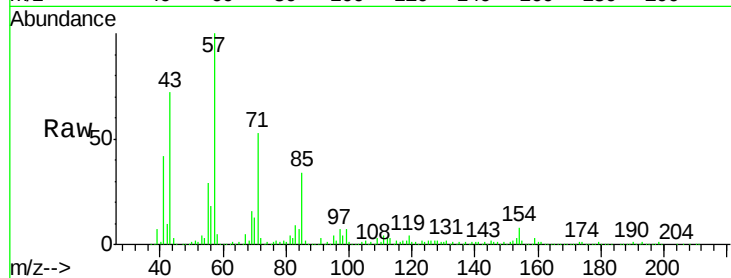




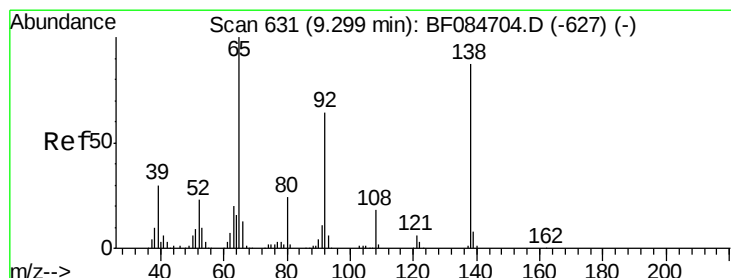
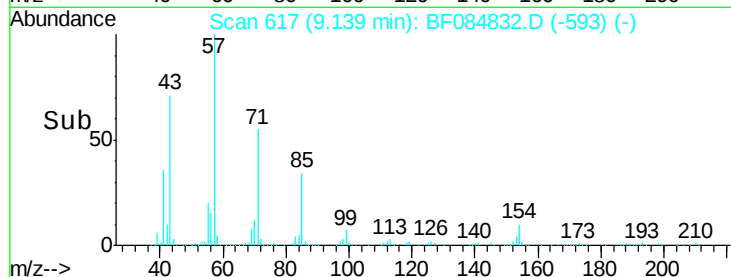
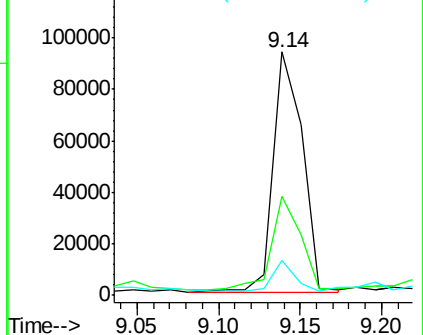
#45  
 1,1'-Biphenyl  
 Concen: 5.22 ng  
 RT: 9.14 min Scan# 617  
 Delta R.T. -0.02 min  
 Lab File: BF084832.D  
 Acq: 4 Feb 2016 16:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BLFS-RL01

Tgt Ion: 154 Resp: 116748  
 Ion Ratio Lower Upper  
 154 100  
 153 40.8 21.6 61.6  
 76 14.2 0.0 32.7

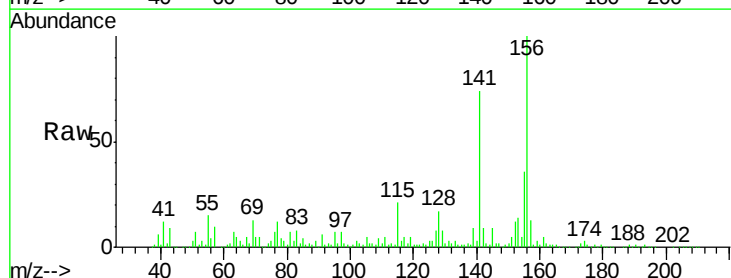


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): E

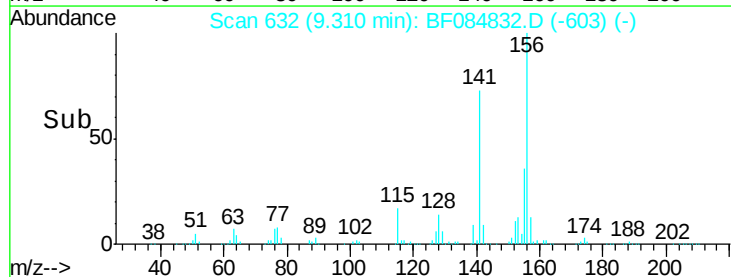
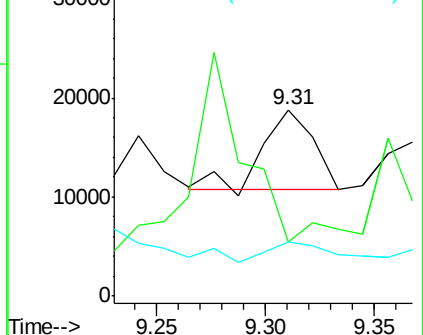


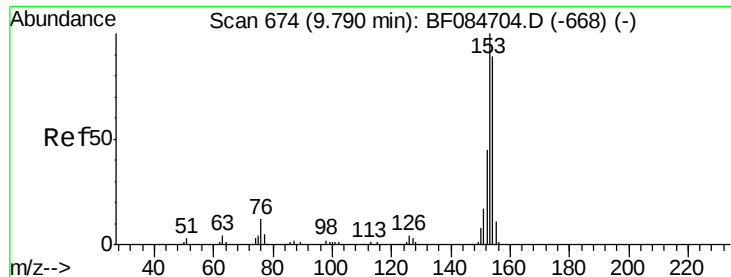
#47  
 2-Nitroaniline  
 Concen: 2.49 ng  
 RT: 9.31 min Scan# 632  
 Delta R.T. 0.03 min  
 Lab File: BF084832.D  
 Acq: 4 Feb 2016 16:47

Tgt Ion: 65 Resp: 12952  
 Ion Ratio Lower Upper  
 65 100  
 92 28.9 53.4 80.2#  
 138 28.8 71.1 106.7#



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





#51

Acenaphthene

Concen: 3.94 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

BNA\_F

ClientSampleId :

BLFS-RL01

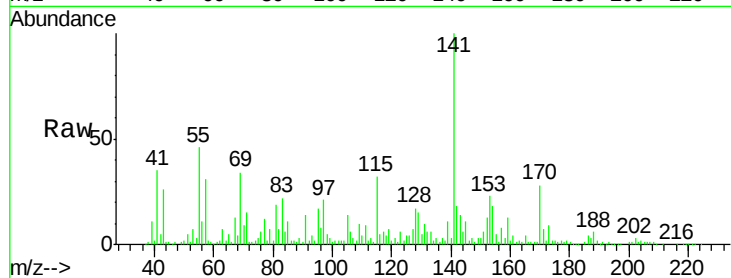
Tgt Ion:154 Resp: 64033

Ion Ratio Lower Upper

154 100

153 127.4 91.5 137.3

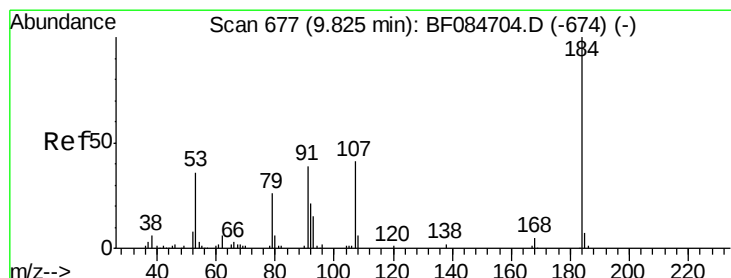
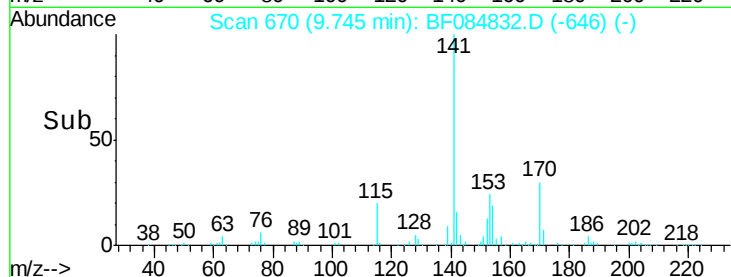
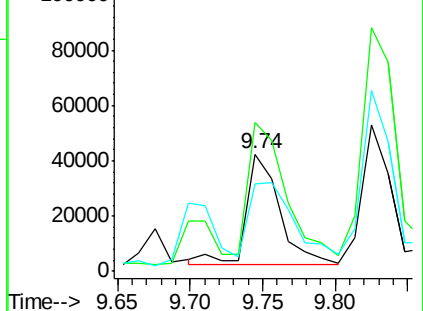
152 74.4 43.0 64.6#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 5.90 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.05 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

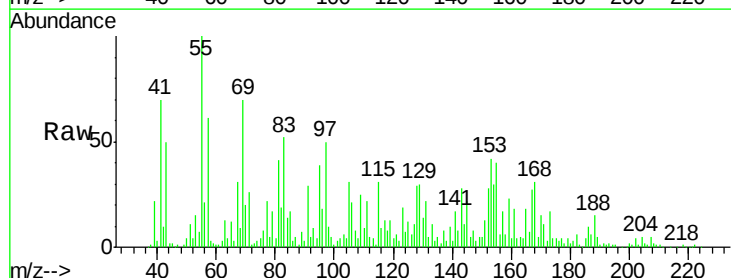
Tgt Ion:184 Resp: 215

Ion Ratio Lower Upper

184 100

63 4692.3 43.1 64.7#

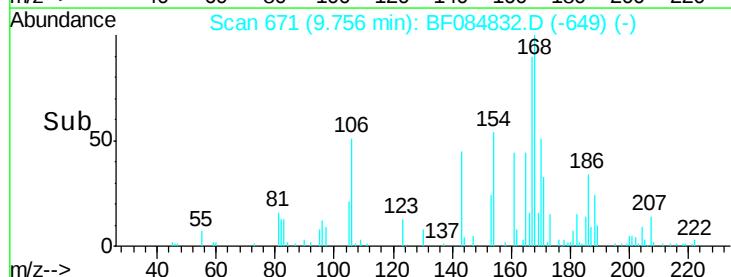
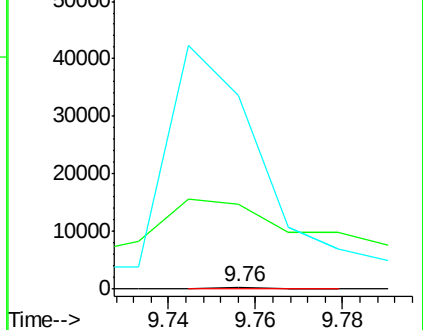
154 10750.2 60.5 90.7#

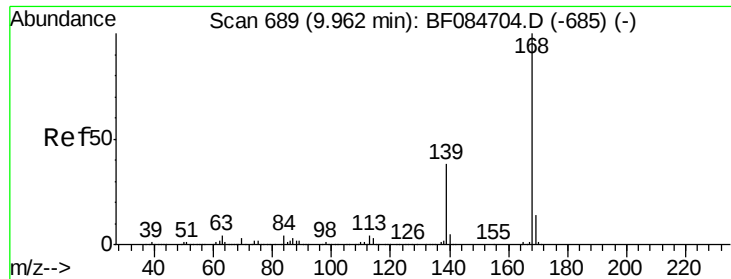


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

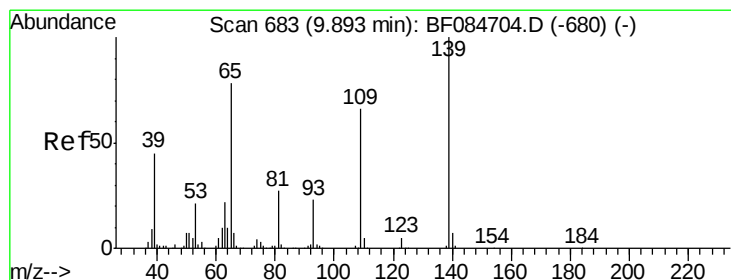
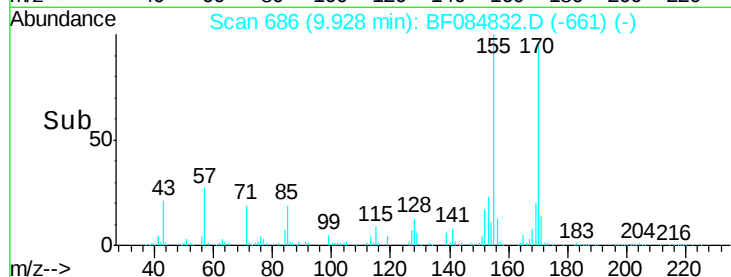
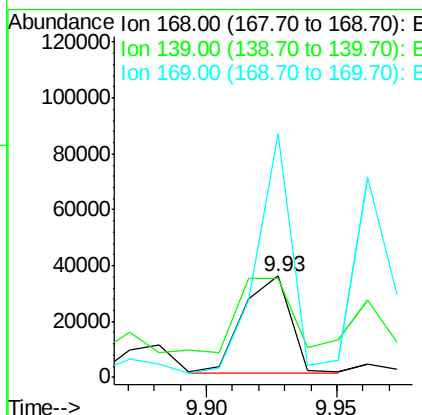
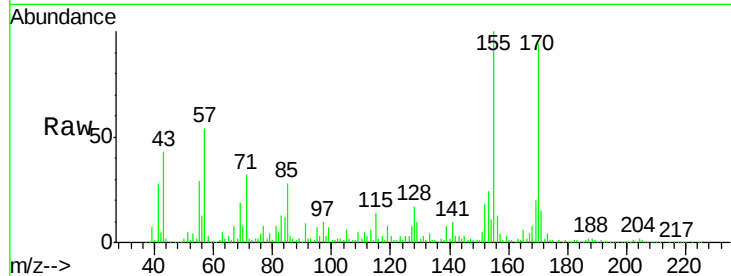




#54  
Dibenzofuran  
Concen: 2.22 ng  
RT: 9.93 min Scan# 686  
Delta R.T. -0.01 min  
Lab File: BF084832.D  
Acq: 4 Feb 2016 16:47

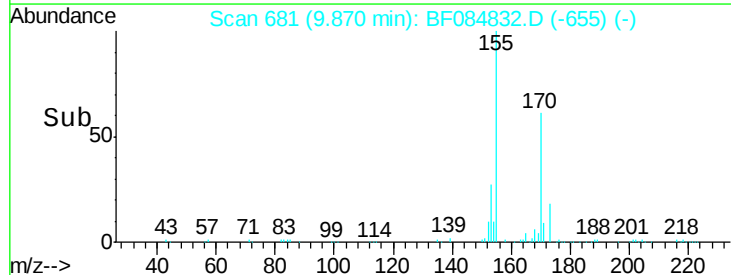
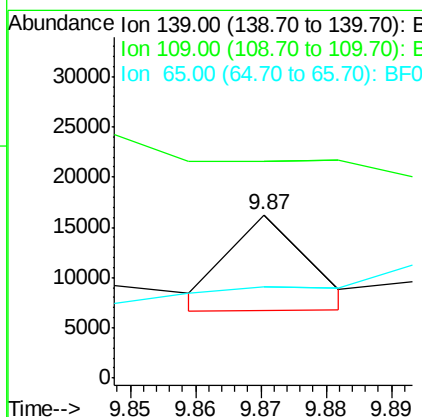
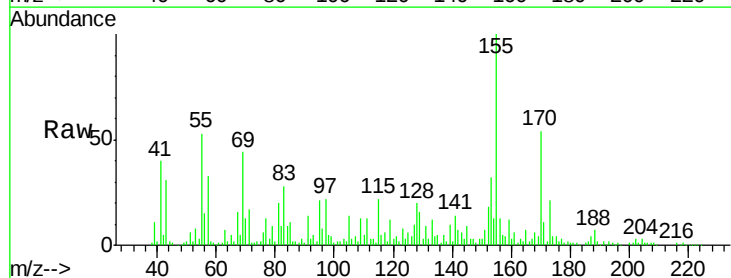
Instrument :  
BNA\_F  
ClientSampleId :  
BLFS-RL01

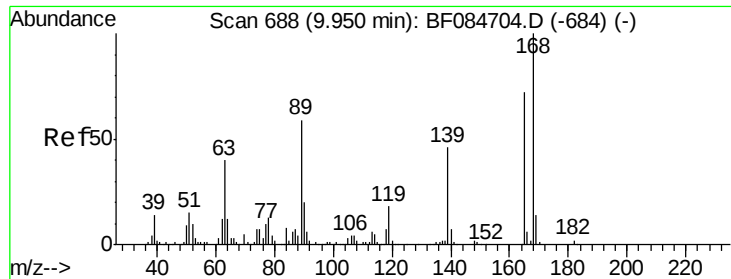
Tgt Ion:168 Resp: 44013  
Ion Ratio Lower Upper  
168 100  
139 98.2 30.5 45.7#  
169 241.0 10.4 15.6#



#55  
4-Nitrophenol  
Concen: 2.32 ng  
RT: 9.87 min Scan# 681  
Delta R.T. -0.00 min  
Lab File: BF084832.D  
Acq: 4 Feb 2016 16:47

Tgt Ion:139 Resp: 7968  
Ion Ratio Lower Upper  
139 100  
109 132.9 58.5 98.5#  
65 56.0 57.6 97.6#

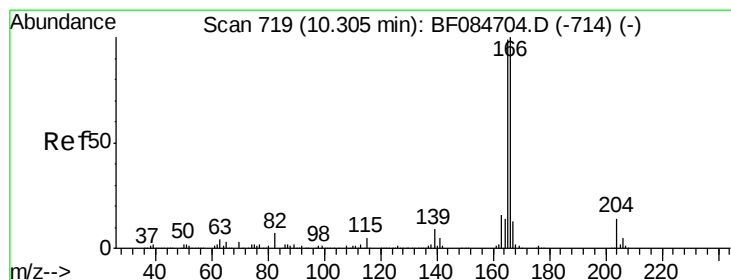
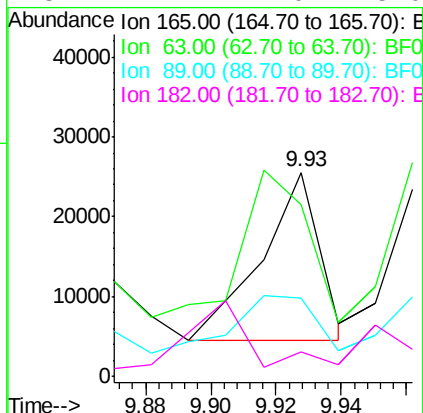
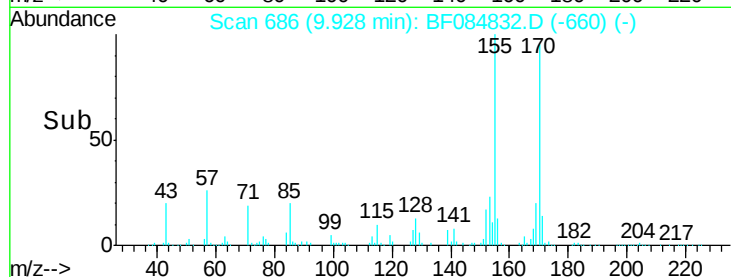
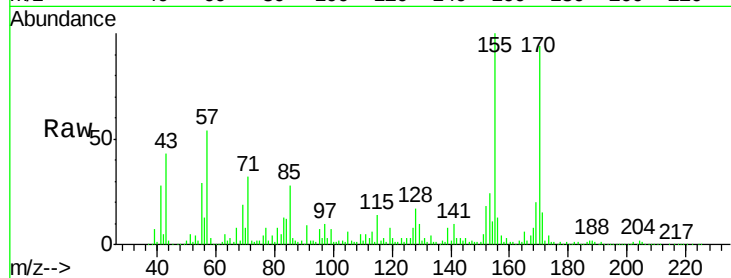




#56  
2,4-Dinitrotoluene  
Concen: 4.93 ng  
RT: 9.93 min Scan# 686  
Delta R.T. -0.00 min  
Lab File: BF084832.D  
Acq: 4 Feb 2016 16:47

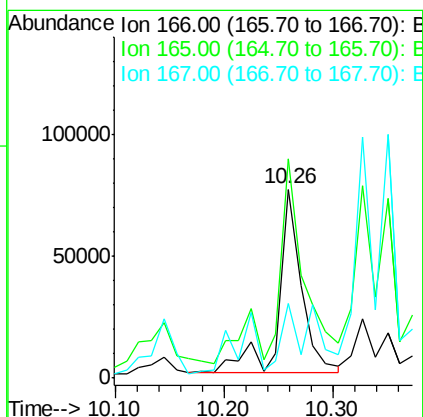
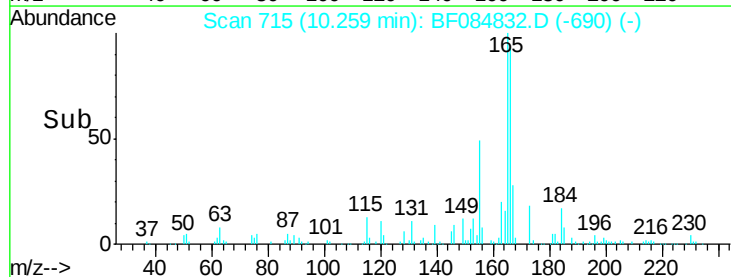
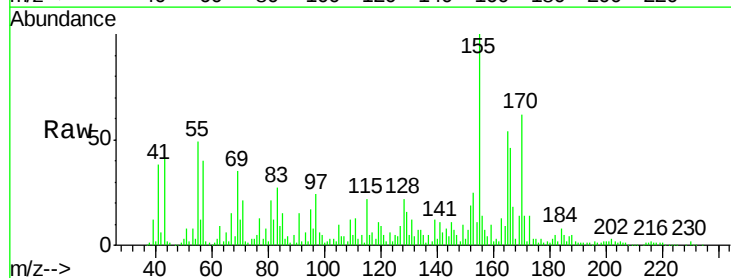
Instrument :  
BNA\_F  
ClientSampleId :  
BLFS-RL01

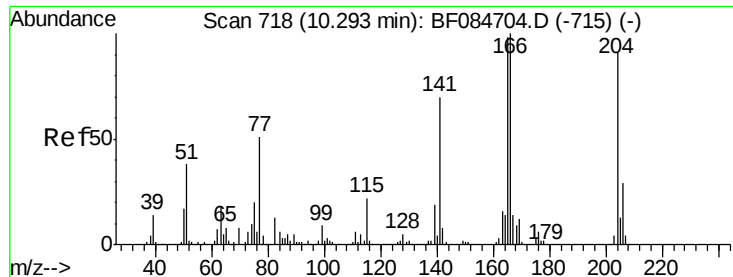
Tgt Ion:165 Resp: 26160  
Ion Ratio Lower Upper  
165 100  
63 84.2 36.7 55.1#  
89 38.5 61.9 92.9#  
182 11.7 2.0 3.0#



#57  
Fluorene  
Concen: 6.57 ng  
RT: 10.26 min Scan# 715  
Delta R.T. -0.01 min  
Lab File: BF084832.D  
Acq: 4 Feb 2016 16:47

Tgt Ion:166 Resp: 108998  
Ion Ratio Lower Upper  
166 100  
165 116.5 79.1 118.7  
167 39.6 10.4 15.6#

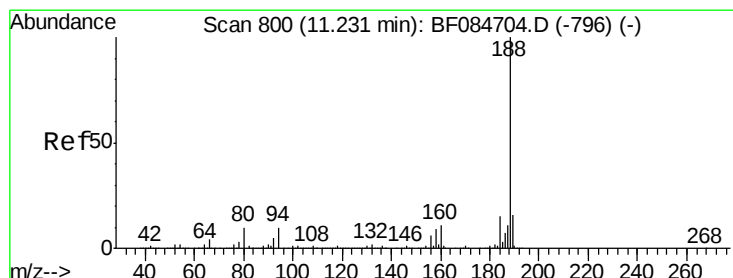
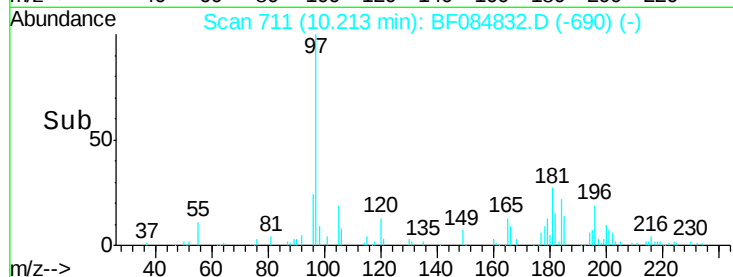
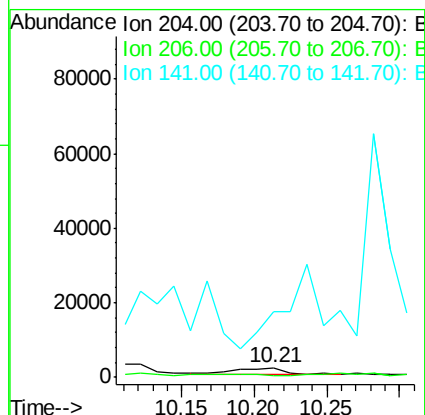
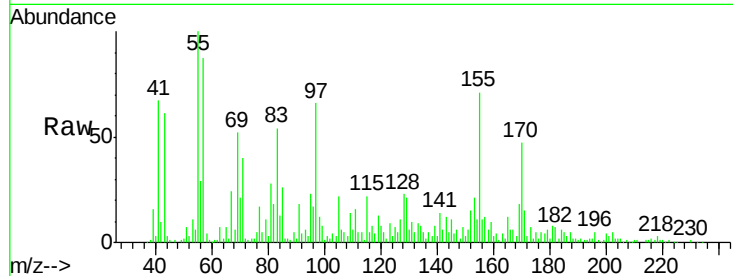




#60  
4-Chlorophenyl-phenylether  
Concen: Below Cal  
RT: 10.21 min Scan# 711  
Delta R.T. -0.06 min  
Lab File: BF084832.D  
Acq: 4 Feb 2016 16:47

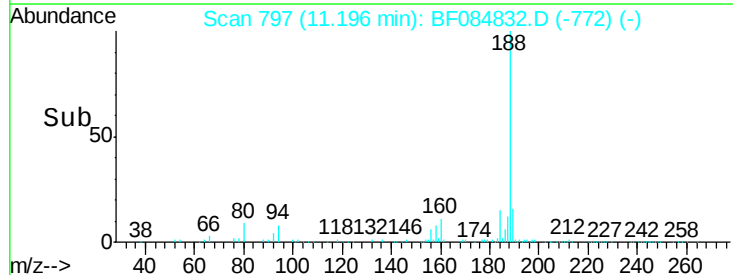
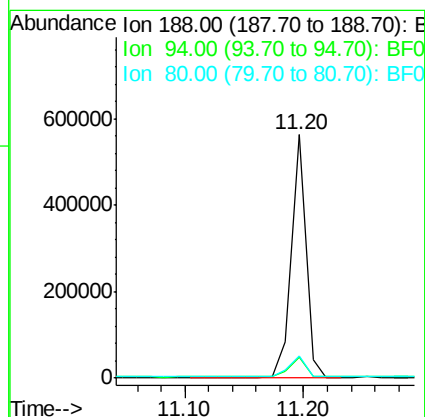
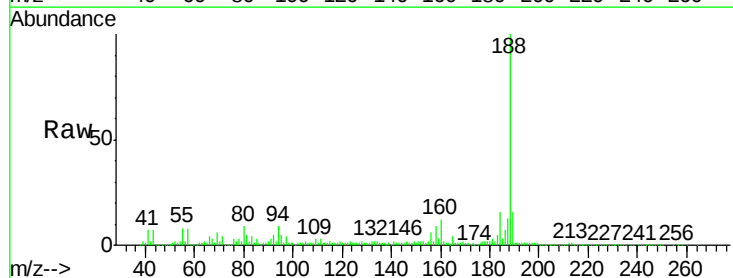
Instrument :  
BNA\_F  
ClientSampleId :  
BLFS-RL01

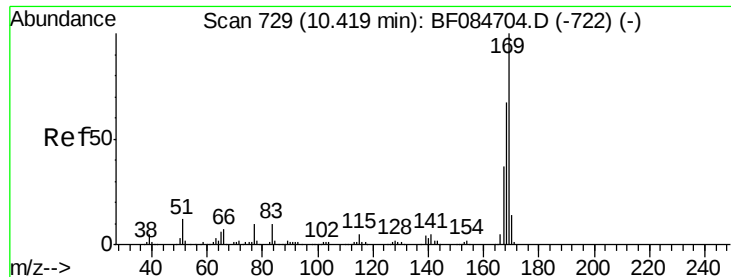
Tgt Ion:204 Resp: 4152  
Ion Ratio Lower Upper  
204 100  
206 21.1 25.7 38.5#  
141 668.8 55.1 82.7#



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.20 min Scan# 797  
Delta R.T. -0.01 min  
Lab File: BF084832.D  
Acq: 4 Feb 2016 16:47

Tgt Ion:188 Resp: 472644  
Ion Ratio Lower Upper  
188 100  
94 8.6 9.0 13.4#  
80 9.4 9.6 14.4#





#65

n-Nitrosodiphenylamine

Concen: 13.99 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

BNA\_F

ClientSampleId :

BLFS-RL01

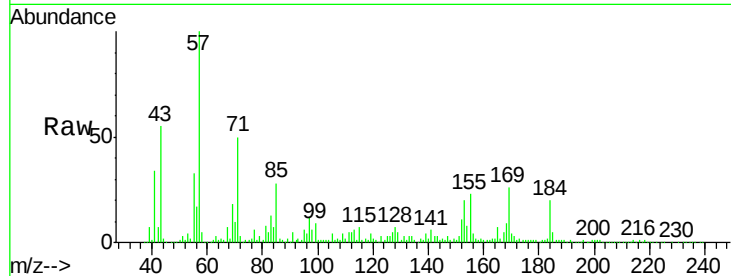
Tgt Ion:169 Resp: 209952

Ion Ratio Lower Upper

169 100

168 35.4 55.1 82.7#

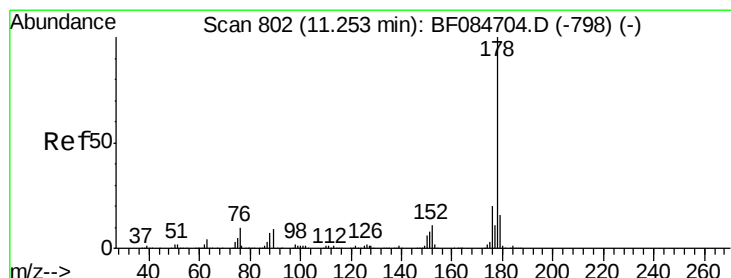
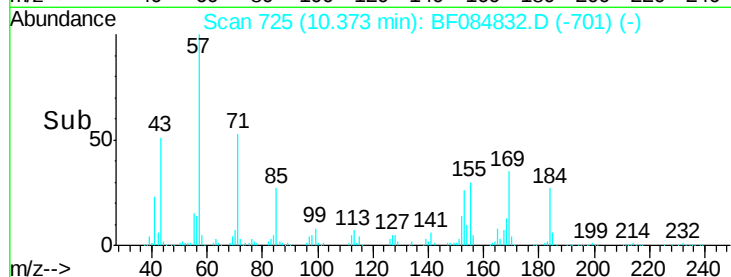
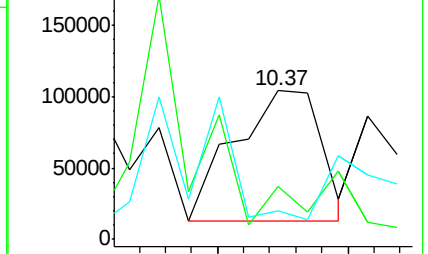
167 19.4 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 15.15 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

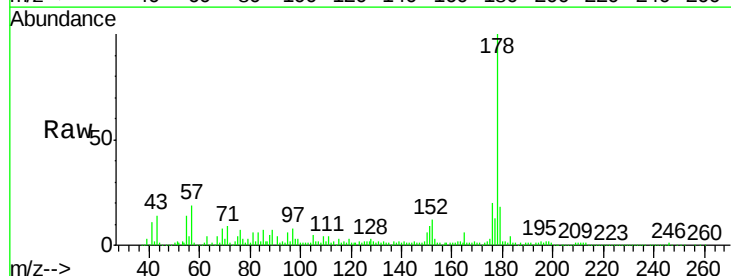
Tgt Ion:178 Resp: 397154

Ion Ratio Lower Upper

178 100

176 19.8 15.3 22.9

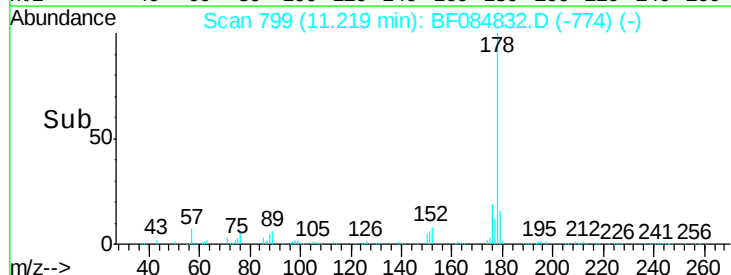
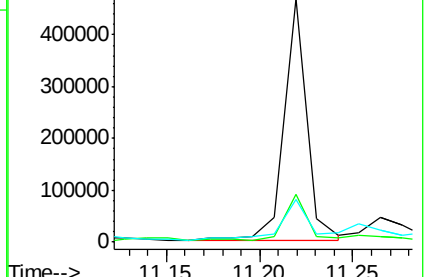
179 17.5 12.0 18.0

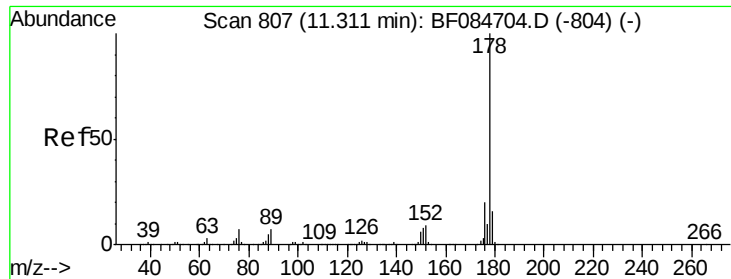


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

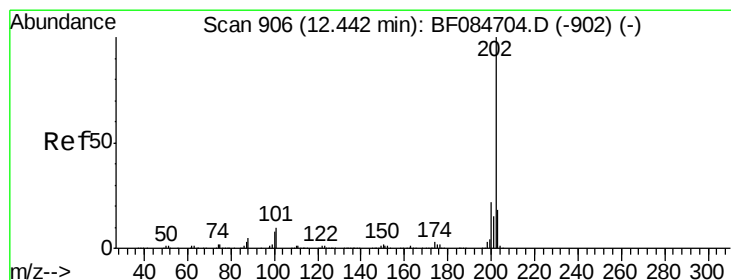
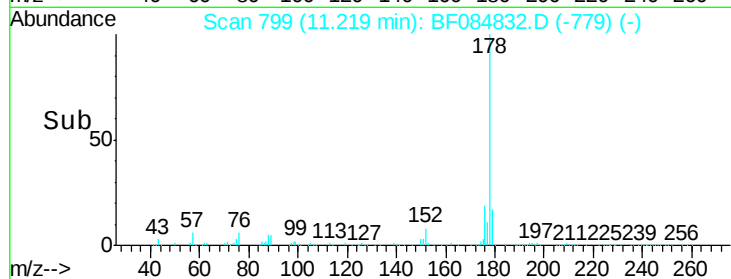
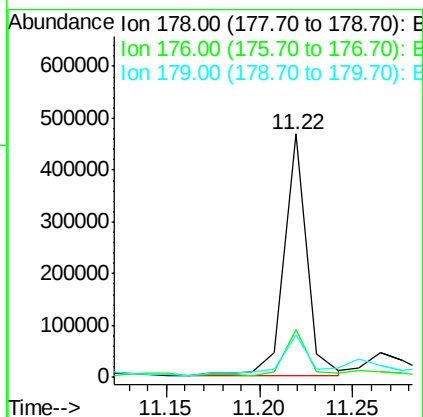
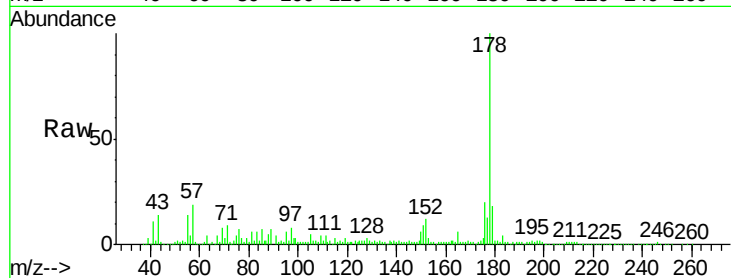




#71  
 Anthracene  
 Concen: 15.04 ng  
 RT: 11.22 min Scan# 799  
 Delta R.T. -0.07 min  
 Lab File: BF084832.D  
 Acq: 4 Feb 2016 16:47

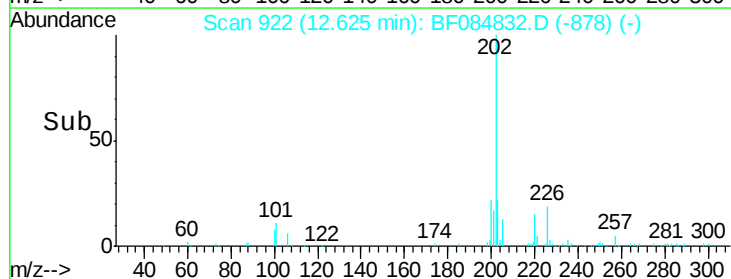
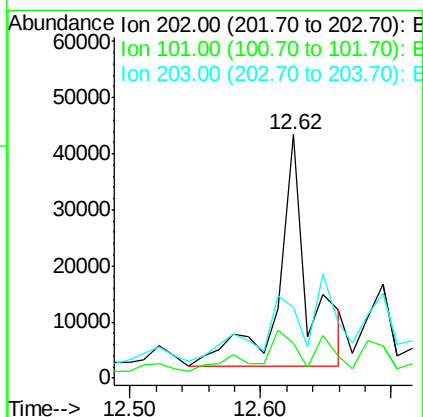
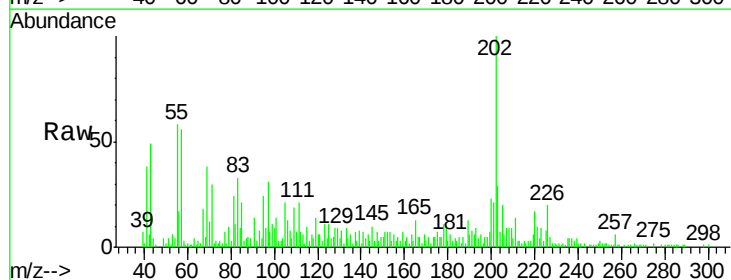
Instrument :  
 BNA\_F  
 ClientSampleId :  
 BLFS-RL01

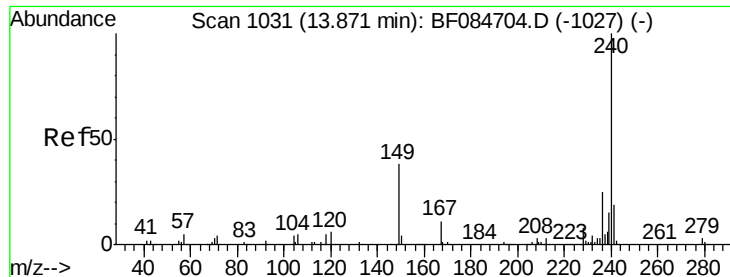
Tgt Ion:178 Resp: 397154  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 15.4 23.0  
 179 17.5 12.5 18.7



#74  
 Fluoranthene  
 Concen: 2.50 ng  
 RT: 12.62 min Scan# 922  
 Delta R.T. 0.21 min  
 Lab File: BF084832.D  
 Acq: 4 Feb 2016 16:47

Tgt Ion:202 Resp: 66329  
 Ion Ratio Lower Upper  
 202 100  
 101 14.2 0.0 32.8  
 203 28.8 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

BNA\_F

ClientSampleId :

BLFS-RL01

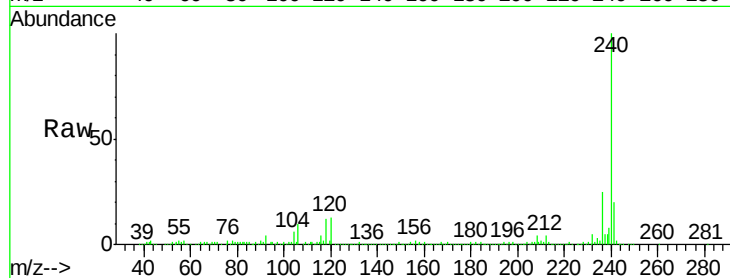
Tgt Ion:240 Resp: 364219

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

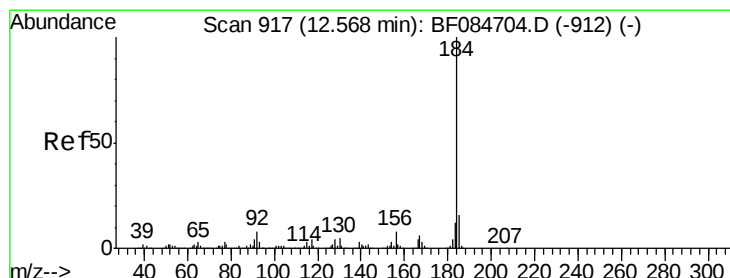
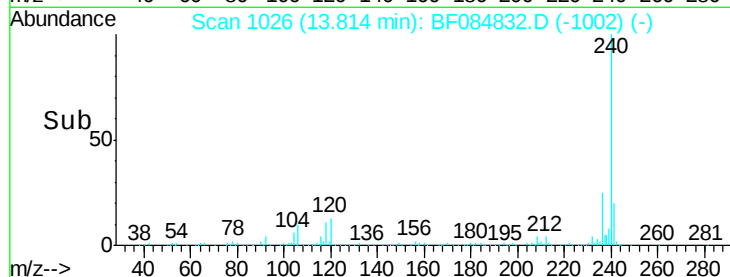
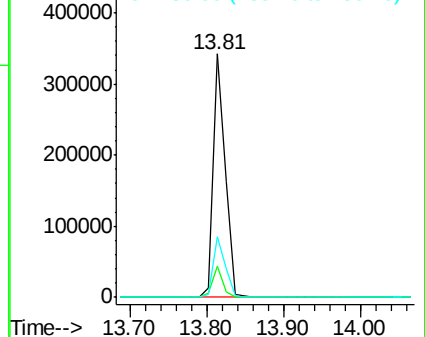
236 25.0 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 7.03 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

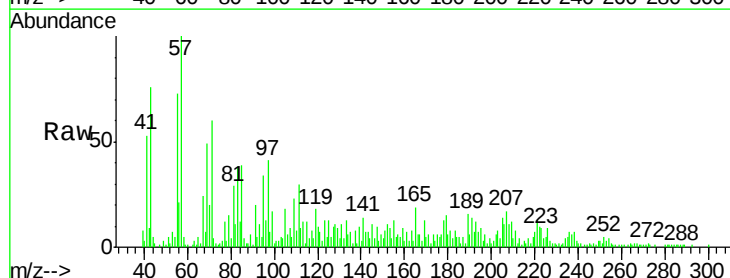
Tgt Ion:184 Resp: 2667

Ion Ratio Lower Upper

184 100

185 90.5 12.2 18.2#

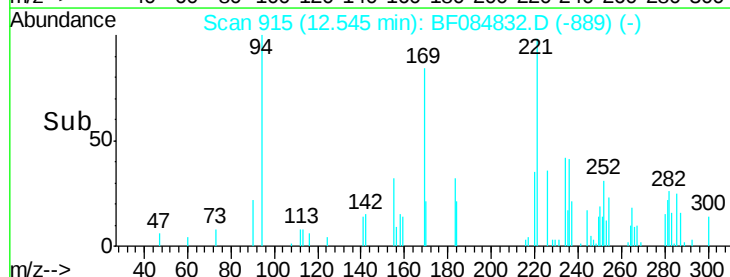
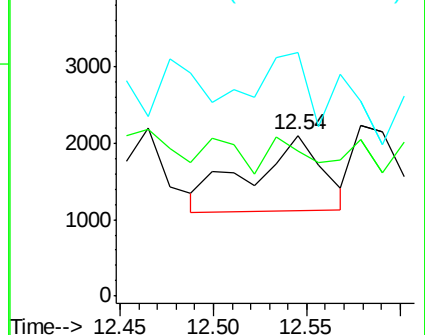
183 151.4 9.8 14.8#

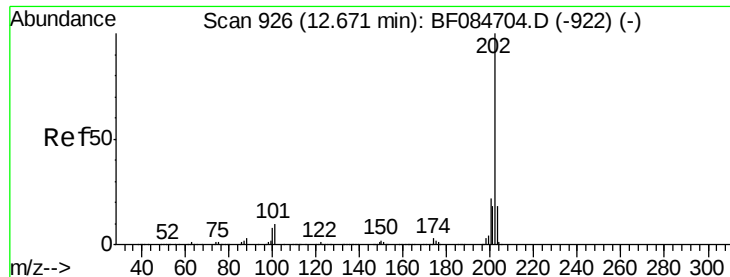


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 2.43 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

Instrument :

BNA\_F

ClientSampleId :

BLFS-RL01

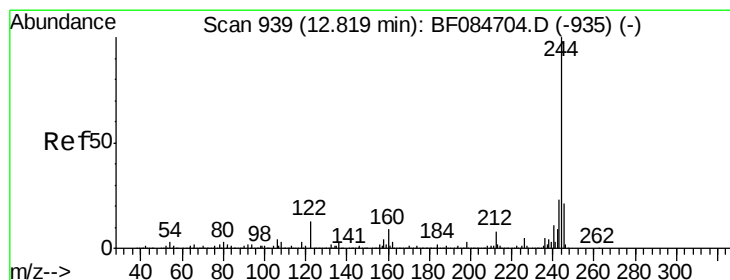
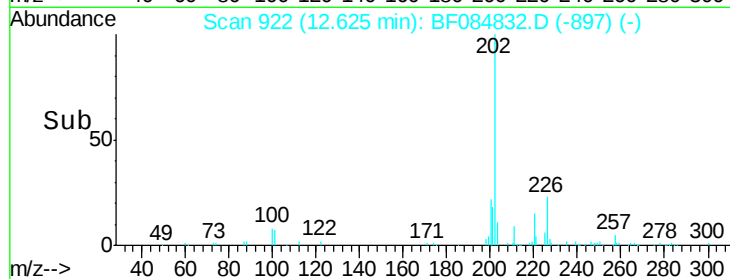
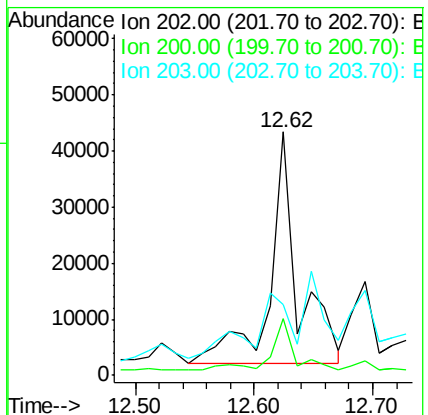
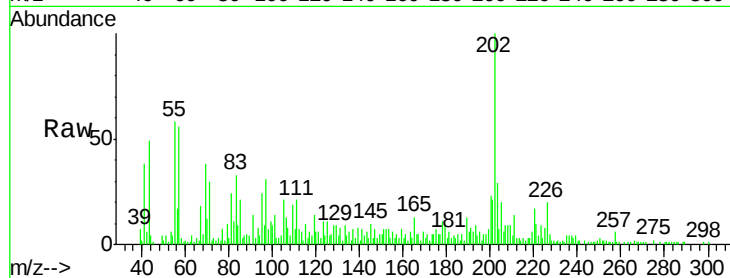
Tgt Ion:202 Resp: 67860

Ion Ratio Lower Upper

202 100

200 23.2 17.2 25.8

203 28.8 14.3 21.5#



#78

Terphenyl-d14

Concen: 4.96 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF084832.D

Acq: 4 Feb 2016 16:47

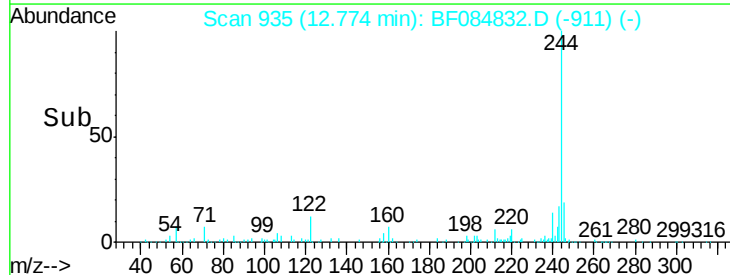
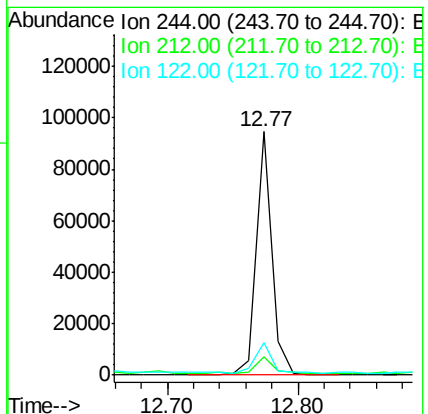
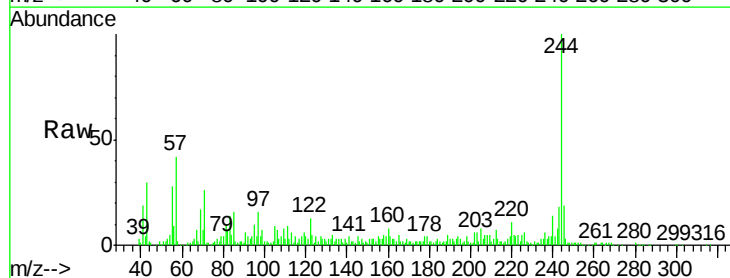
Tgt Ion:244 Resp: 79782

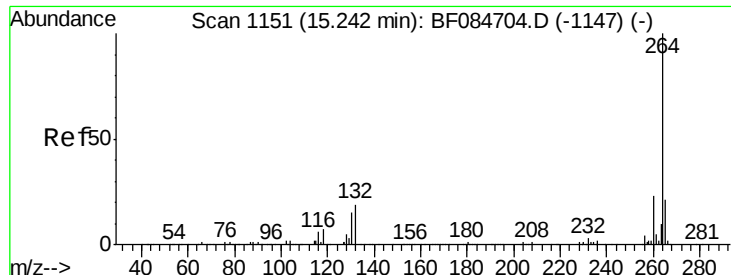
Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

122 13.1 7.4 11.0#

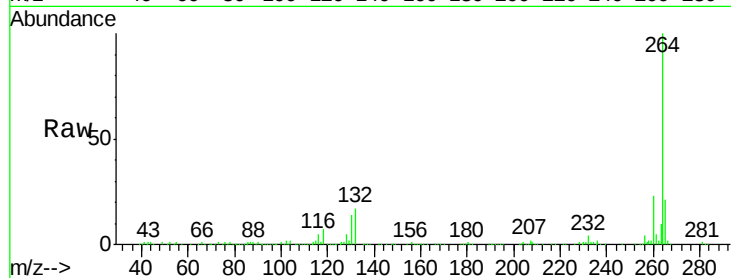




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.19 min Scan# 1146  
Delta R.T. -0.02 min  
Lab File: BF084832.D  
Acq: 4 Feb 2016 16:47

Instrument :  
BNA\_F  
ClientSampleId :  
BLFS-RL01

Tgt Ion: 264 Resp: 289416  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.4 29.2  
265 21.3 17.8 26.6



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

