

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080415\  
 Data File : BF080853.D  
 Acq On : 4 Aug 2015 22:54  
 Operator : TP/UM  
 Sample : PB84838BL  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 05 02:08:14 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 05 01:46:16 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 95644    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.10  | 136  | 379478   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.86  | 164  | 175502   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.33 | 188  | 309015   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.96 | 240  | 204271   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.37 | 264  | 137047   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.44  | 112  | 503133   | 79.62 | ng    | 0.01     |
| 7) Phenol-d6                | 6.45  | 99   | 584951   | 70.81 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 406063   | 50.43 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 128850   | 76.13 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 698656   | 53.60 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.92 | 244  | 556642   | 49.32 | ng    | 0.00     |

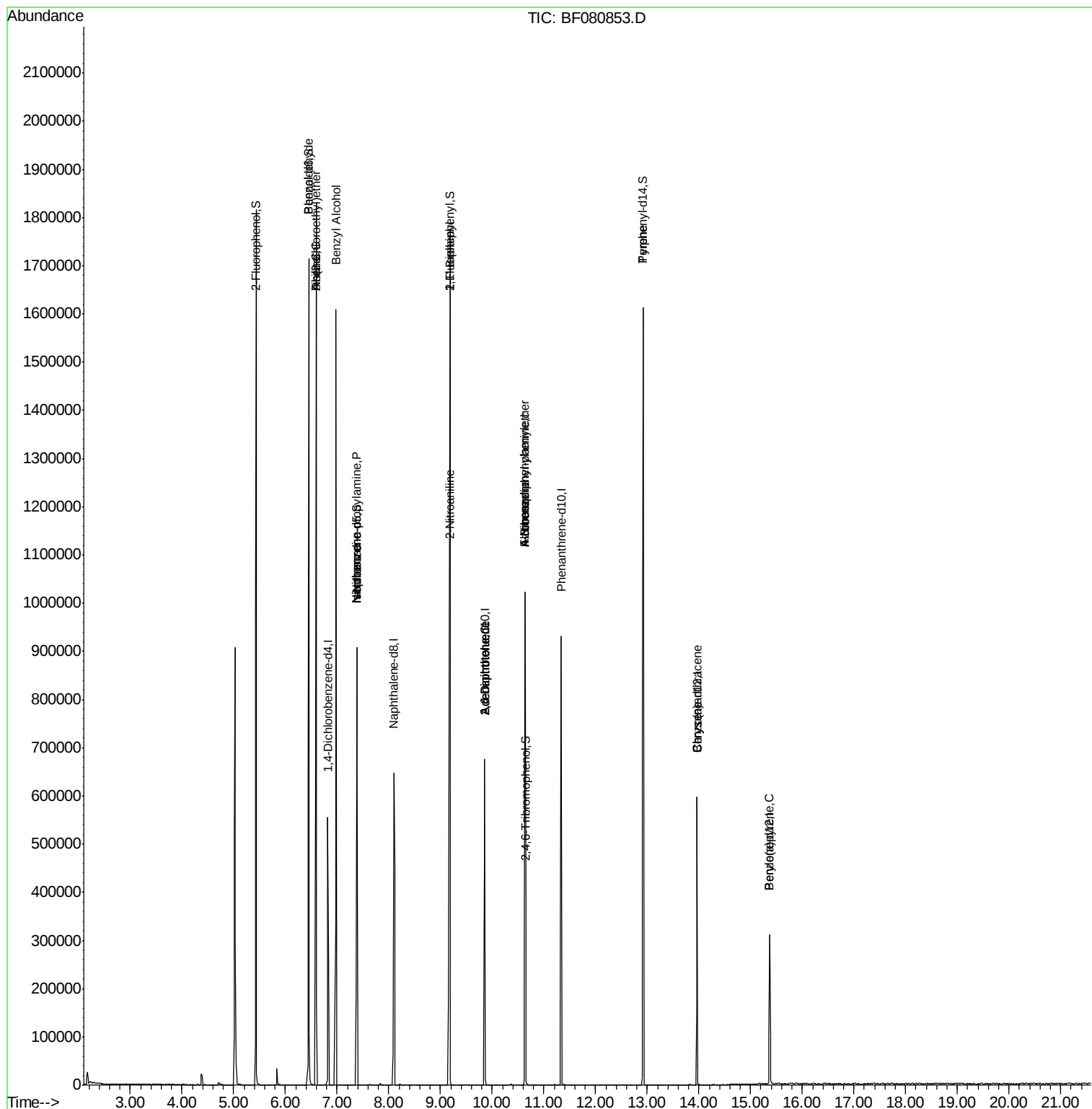
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 6) Aniline                     | 6.59  | 93   | 555      | 0.05  | ng    | # 1    |
| 9) Benzaldehyde                | 6.45  | 77   | 578      | 0.10  | ng    | # 3    |
| 10) Phenol                     | 6.59  | 94   | 709      | 0.07  | ng    | # 1    |
| 11) bis(2-Chloroethyl)ether    | 6.59  | 93   | 555      | 0.08  | ng    | # 1    |
| 15) Benzyl Alcohol             | 6.98  | 79   | 7277     | 1.35  | ng    | # 52   |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 51261    | 9.61  | ng    | # 78   |
| 24) Nitrobenzene               | 7.38  | 77   | 901      | 0.11  | ng    | # 31   |
| 25) Isophorone                 | 7.38  | 82   | 363660   | 25.49 | ng    | # 67   |
| 45) 1,1'-Biphenyl              | 9.18  | 154  | 1106     | 0.07  | ng    | # 1    |
| 47) 2-Nitroaniline             | 9.17  | 65   | 1195     | 0.26  | ng    | # 1    |
| 50) 2,6-Dinitrotoluene         | 9.86  | 165  | 21820    | 8.15  | ng    | # 12   |
| 51) Acenaphthene               | 9.86  | 154  | 566      | 0.05  | ng    | # 4    |
| 56) 2,4-Dinitrotoluene         | 9.86  | 165  | 21820    | 6.46  | ng    | # 14   |
| 57) Fluorene                   | 10.64 | 166  | 5344     | 0.42  | ng    | # 85   |
| 62) Azobenzene                 | 10.64 | 77   | 428      | 0.03  | ng    | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.64 | 169  | 4278     | 0.36  | ng    | # 48   |
| 66) 4-Bromophenyl-phenylether  | 10.64 | 248  | 8104     | 2.37  | ng    | # 1    |
| 77) Pyrene                     | 12.92 | 202  | 1845     | 0.10  | ng    | # 54   |
| 80) Benzo(a)anthracene         | 13.96 | 228  | 357      | 0.03  | ng    | # 52   |
| 82) Chrysene                   | 13.96 | 228  | 357      | 0.03  | ng    | # 50   |
| 89) Benzo(a)pyrene             | 15.37 | 252  | 312      | 0.04  | ng    | # 59   |

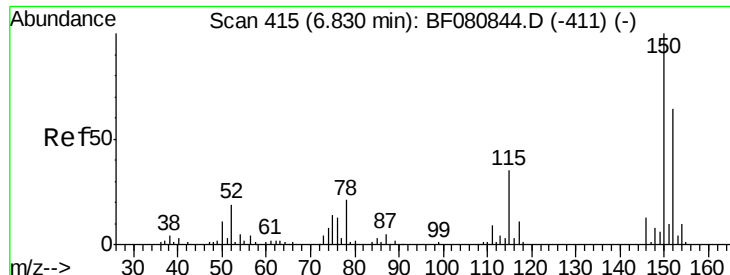
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\HPCHEM1\BNA F\DATA\BF080415\  
Data File : BF080853.D  
Acq On    : 4 Aug 2015 22:54  
Operator  : TP/UM  
Sample    : PB84838BL  
Misc      :  
ALS Vial  : 14 Sample Multiplier: 1
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Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Aug 05 02:08:14 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 05 01:46:16 2015  
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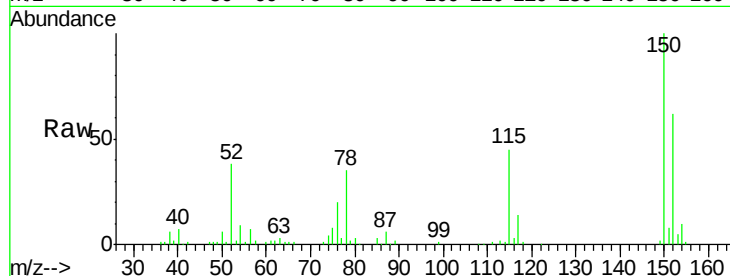


#1

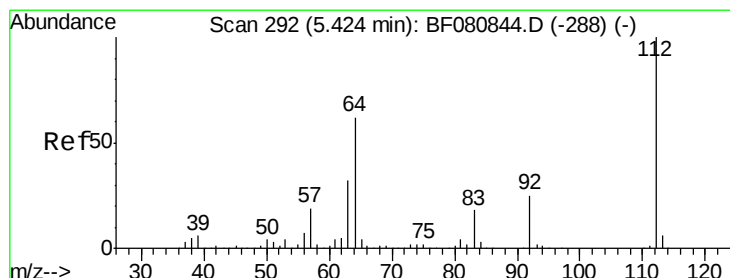
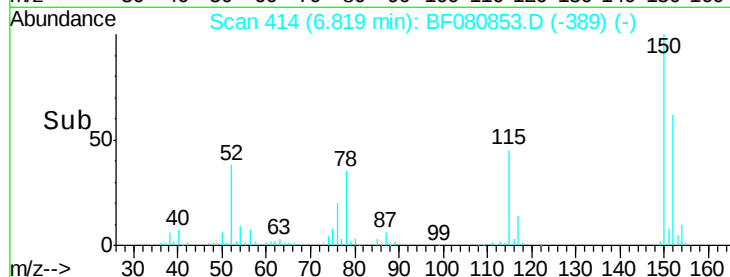
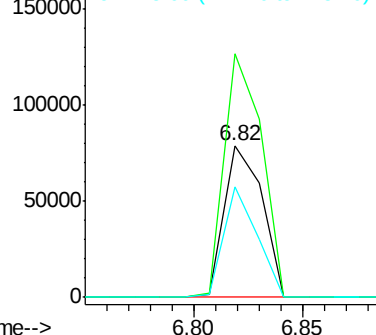
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.82 min Scan# 414  
Delta R.T. -0.01 min  
Lab File: BF080853.D  
Acq: 4 Aug 2015 22:54

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 95644  
Ion Ratio Lower Upper  
152 100  
150 160.8 124.6 187.0  
115 72.8 44.2 66.4#



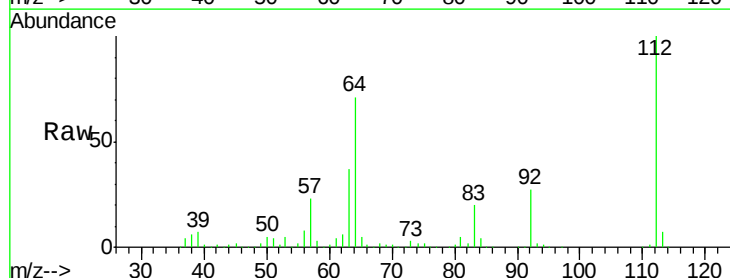
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



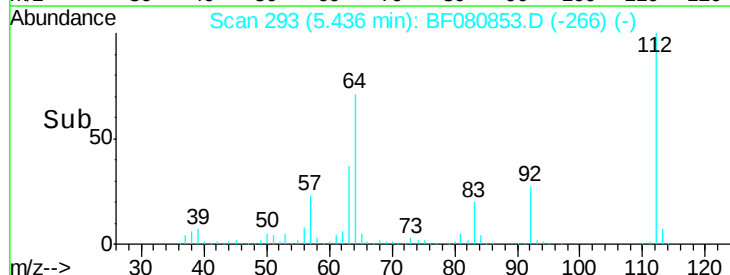
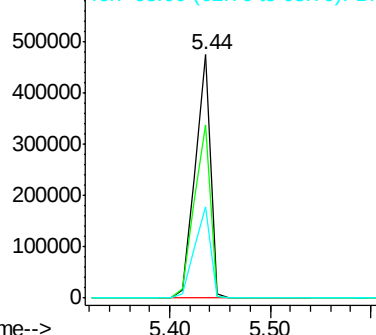
#5

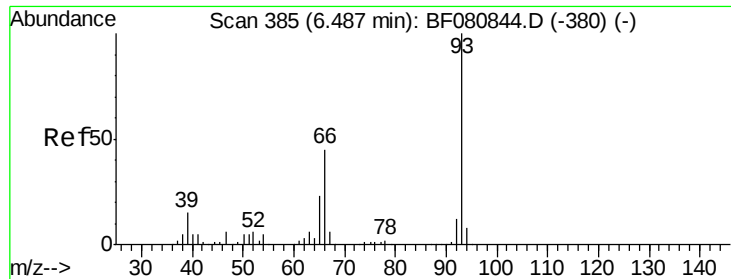
2-Fluorophenol  
Concen: 79.62 ng  
RT: 5.44 min Scan# 293  
Delta R.T. 0.01 min  
Lab File: BF080853.D  
Acq: 4 Aug 2015 22:54

Tgt Ion:112 Resp: 503133  
Ion Ratio Lower Upper  
112 100  
64 71.0 49.5 74.3  
63 37.5 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.05 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.10 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

Instrument :

BNA\_F

ClientSampled :

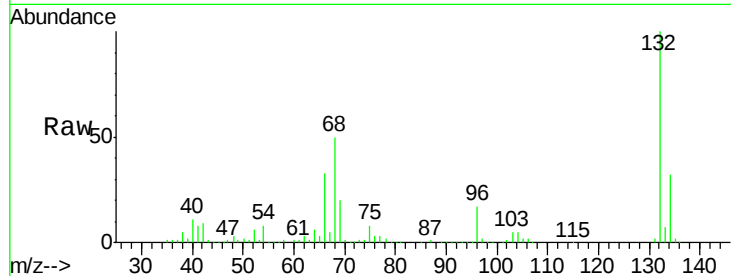
Tot Ion: 93 Resp: 555

Ion Ratio Lower Upper

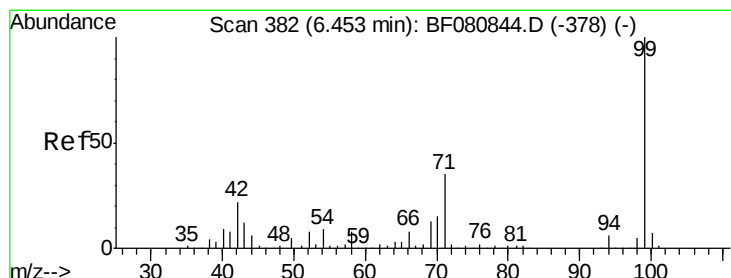
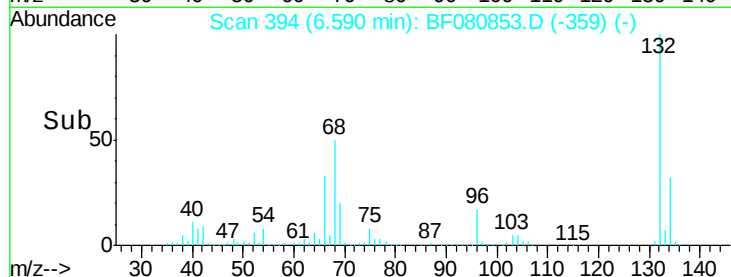
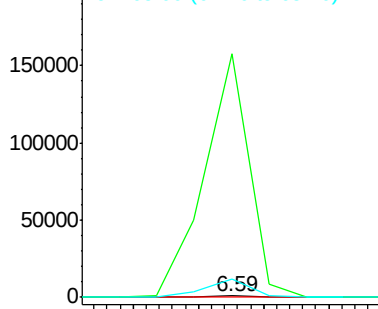
93 100

66 19468.6 35.8 53.6#

65 1466.7 18.2 27.2#



Abundance Ion 93.00 (92.70 to 93.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 70.81 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

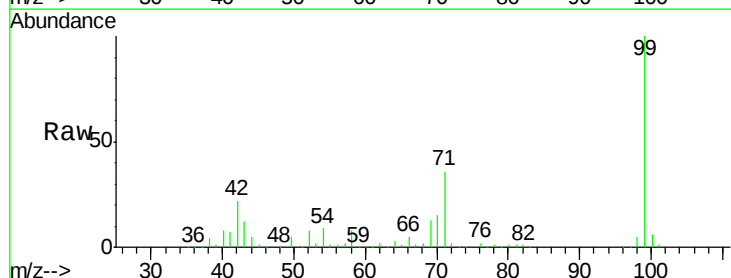
Tgt Ion: 99 Resp: 584951

Ion Ratio Lower Upper

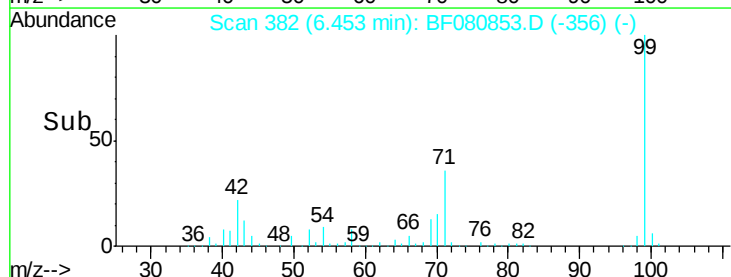
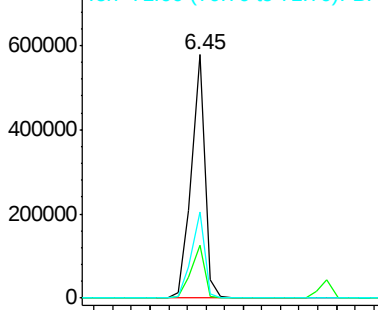
99 100

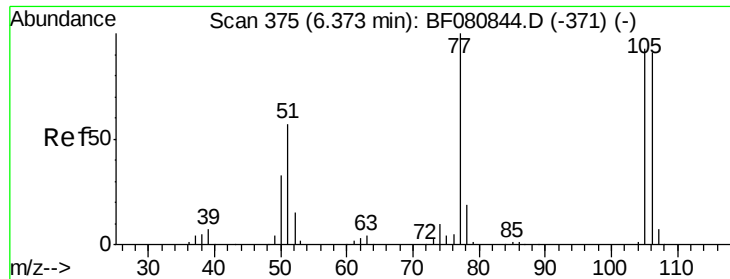
42 21.7 17.9 26.9

71 35.6 28.2 42.4



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

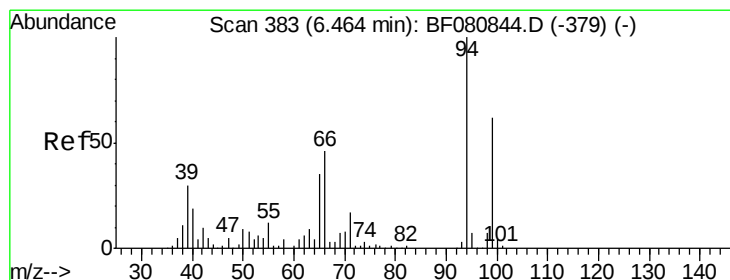
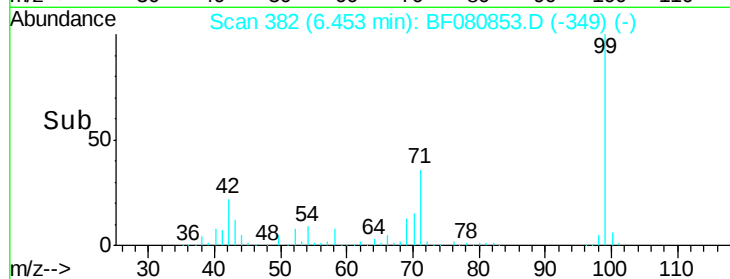
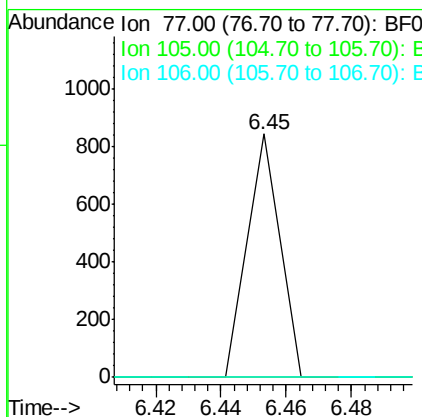
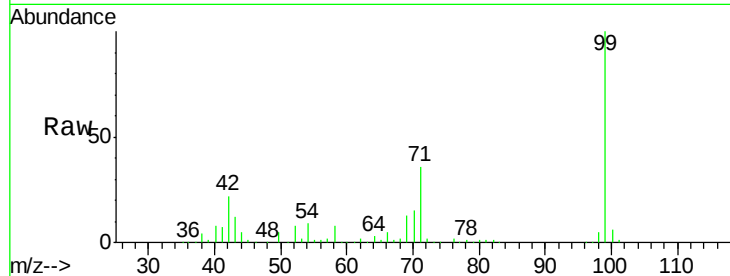




#9  
Benzaldehyde  
Concen: 0.10 ng  
RT: 6.45 min Scan# 382  
Delta R.T. 0.08 min  
Lab File: BF080853.D  
Acq: 4 Aug 2015 22:54

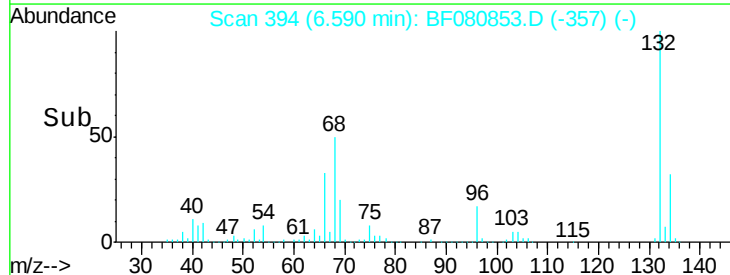
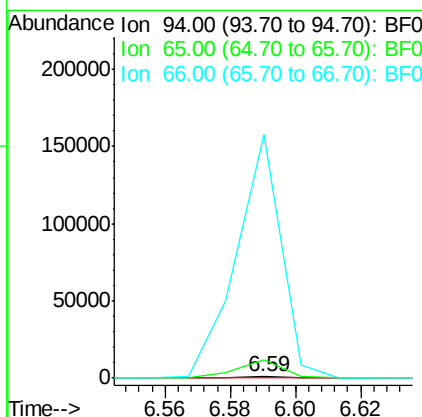
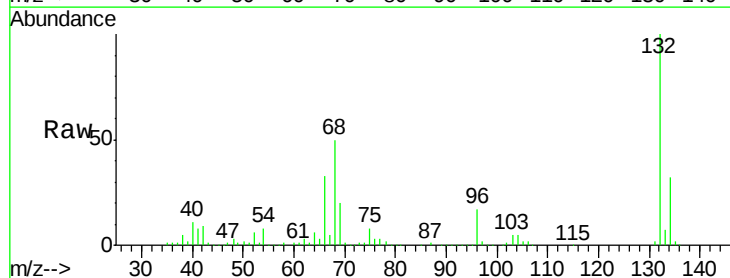
Instrument :  
BNA\_F  
ClientSampled :

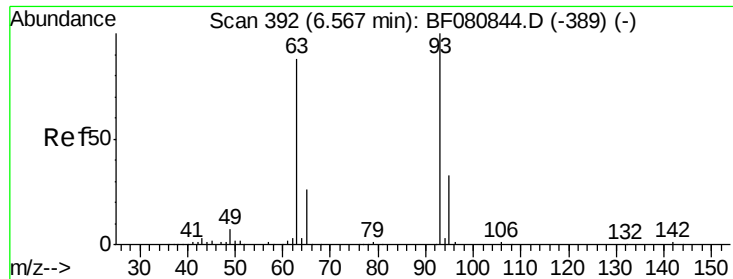
Tot Ion: 77 Resp: 578  
Ion Ratio Lower Upper  
77 100  
105 0.0 73.5 113.5#  
106 0.0 70.8 110.8#



#10  
Phenol  
Concen: 0.07 ng  
RT: 6.59 min Scan# 394  
Delta R.T. 0.13 min  
Lab File: BF080853.D  
Acq: 4 Aug 2015 22:54

Tgt Ion: 94 Resp: 709  
Ion Ratio Lower Upper  
94 100  
65 1148.9 15.2 55.2#  
66 15251.1 25.9 65.9#

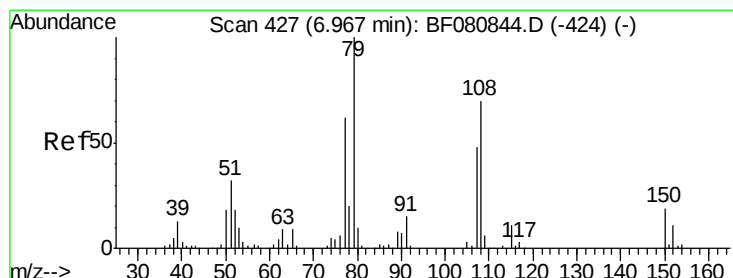
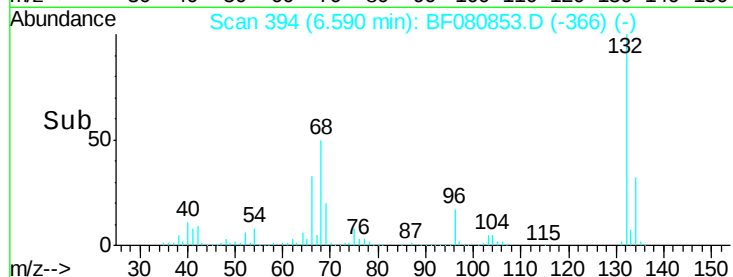
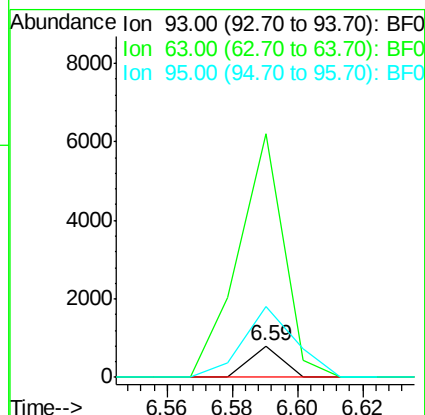
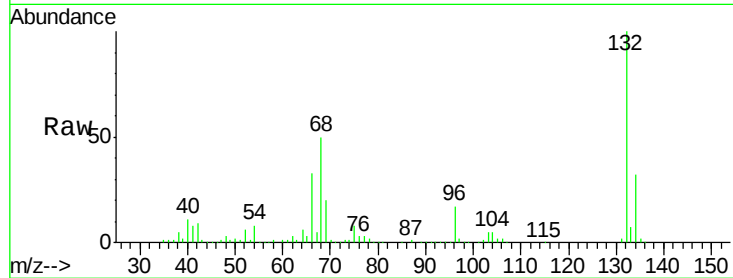




#11  
bis(2-Chloroethyl)ether  
Concen: 0.08 ng  
RT: 6.59 min Scan# 394  
Delta R.T. 0.02 min  
Lab File: BF080853.D  
Acq: 4 Aug 2015 22:54

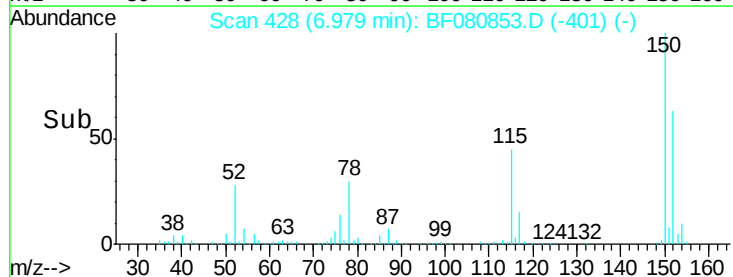
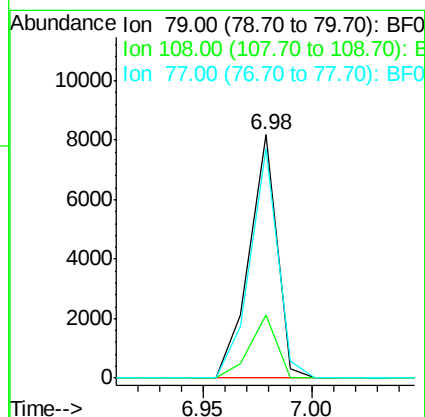
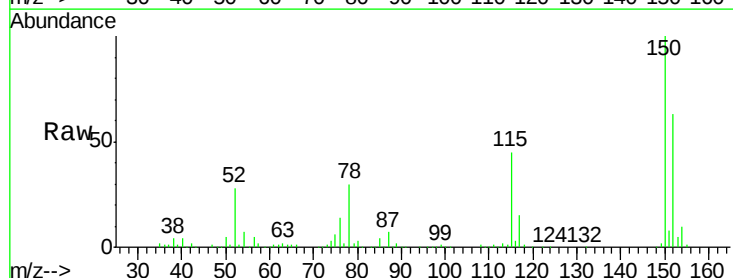
Instrument :  
BNA\_F  
ClientSampled :

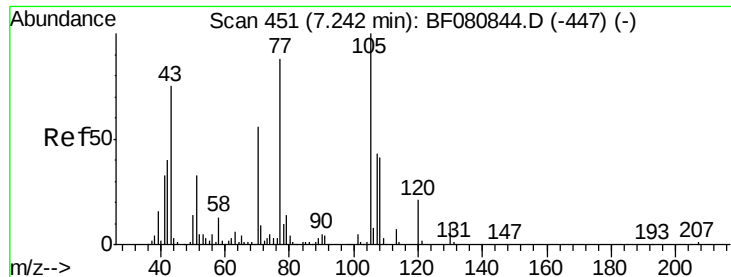
Tot Ion: 93 Resp: 555  
Ion Ratio Lower Upper  
93 100  
63 766.2 67.6 107.6#  
95 223.2 12.9 52.9#



#15  
Benzyl Alcohol  
Concen: 1.35 ng  
RT: 6.98 min Scan# 428  
Delta R.T. 0.01 min  
Lab File: BF080853.D  
Acq: 4 Aug 2015 22:54

Tgt Ion: 79 Resp: 7277  
Ion Ratio Lower Upper  
79 100  
108 26.1 55.9 83.9#  
77 94.1 49.4 74.2#





#19

n-Nitroso-di-n-propylamine

Concen: 9.61 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.14 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 51261

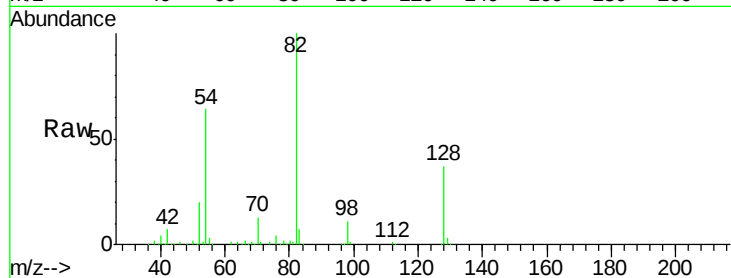
Ion Ratio Lower Upper

70 100

42 56.5 57.8 86.8#

101 0.0 6.7 10.1#

130 1.8 12.6 19.0#

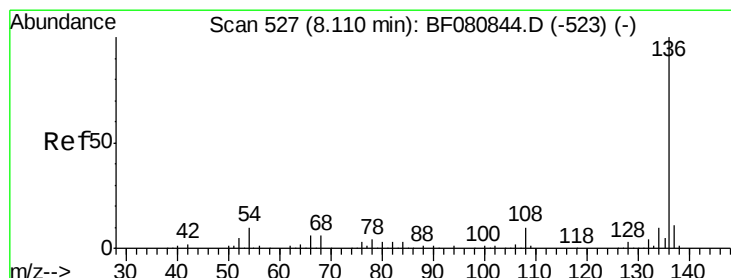
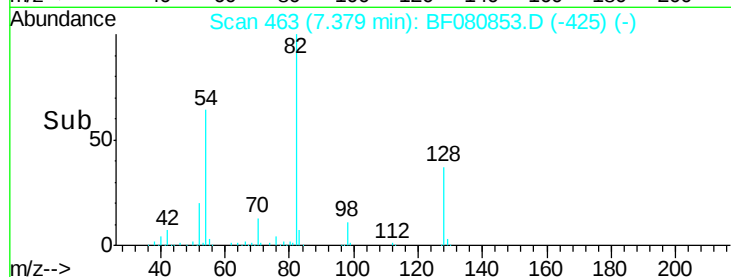
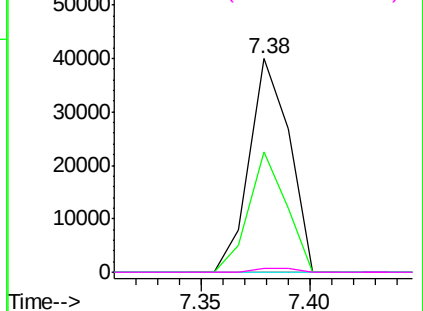


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

Tgt Ion: 136 Resp: 379478

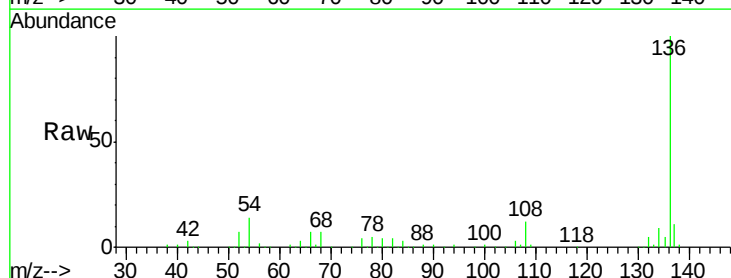
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 13.9 8.3 12.5#

68 7.4 4.8 7.2#

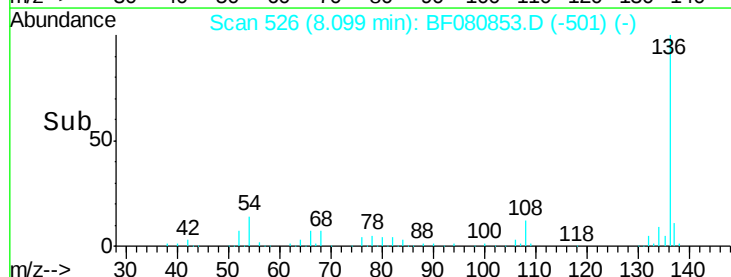
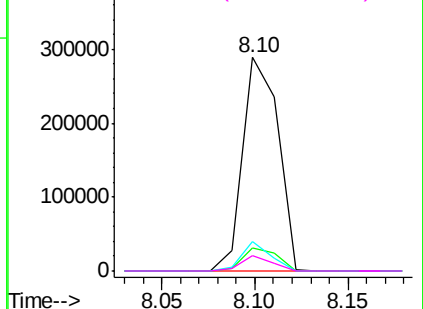


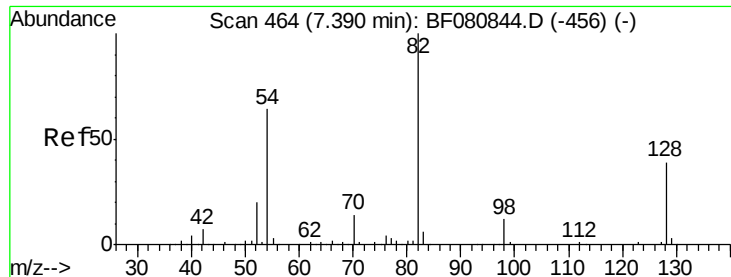
Abundance Ion 136.00 (135.70 to 136.70): E

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

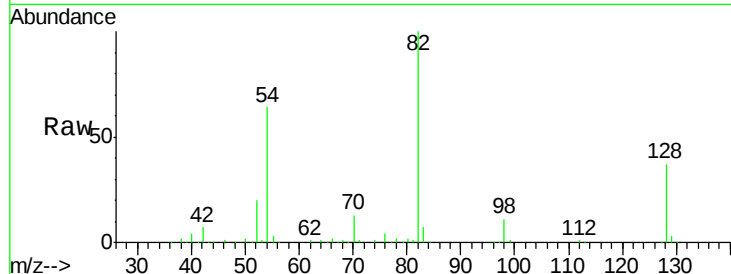




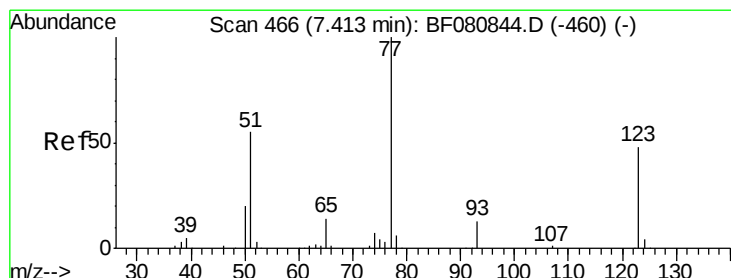
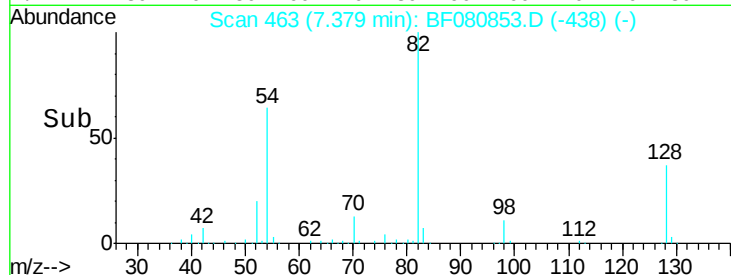
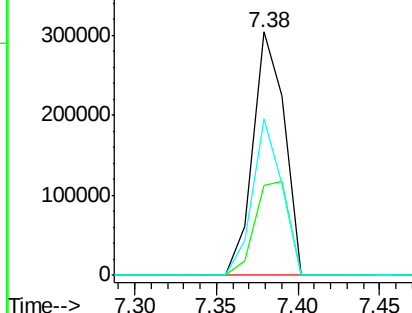
#23  
 Nitrobenzene-d5  
 Concen: 50.43 ng  
 RT: 7.38 min Scan# 463  
 Delta R.T. -0.01 min  
 Lab File: BF080853.D  
 Acq: 4 Aug 2015 22:54

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion   | 82   | Resp  | 406063 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 36.9 | 31.0  | 46.4   |
| 54        | 64.5 | 51.0  | 76.6   |

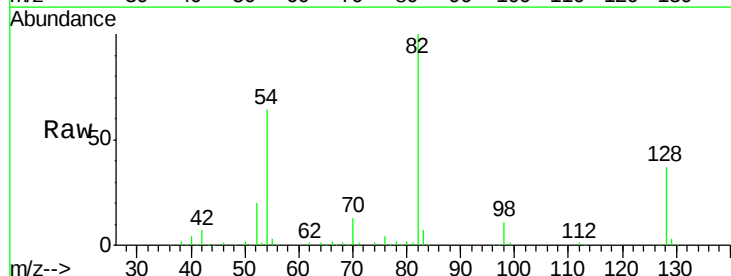


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

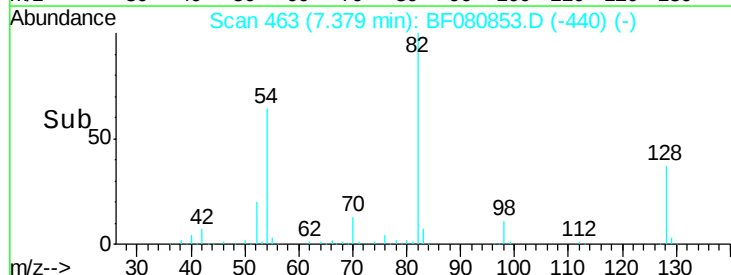
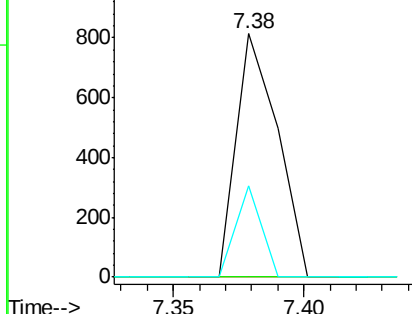


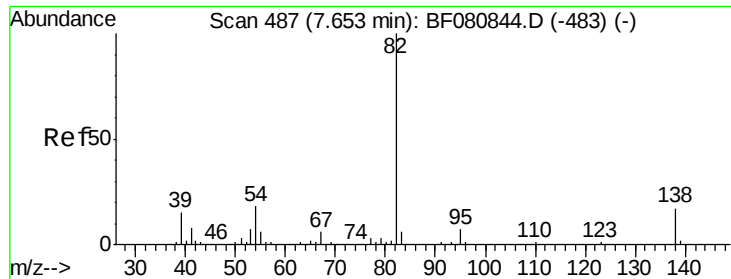
#24  
 Nitrobenzene  
 Concen: 0.11 ng  
 RT: 7.38 min Scan# 463  
 Delta R.T. -0.03 min  
 Lab File: BF080853.D  
 Acq: 4 Aug 2015 22:54

| Tgt Ion   | 77   | Resp  | 901   |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 123       | 0.0  | 39.7  | 59.5# |
| 65        | 37.3 | 11.0  | 16.6# |



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





#25

Isophorone

Concen: 25.49 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.27 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

Instrument :

BNA\_F

ClientSampleId :

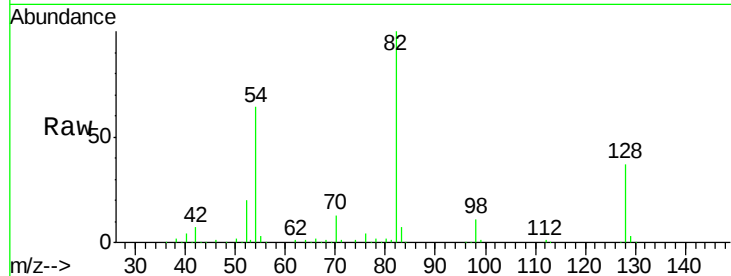
Tot Ion: 82 Resp: 363660

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

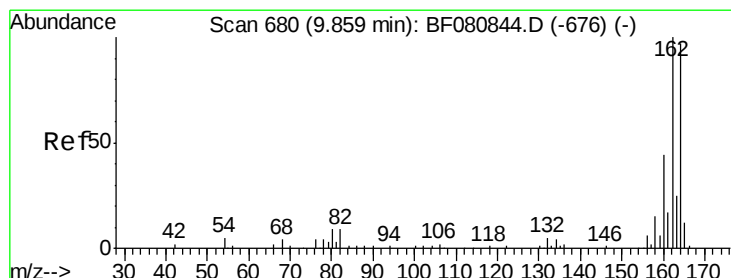
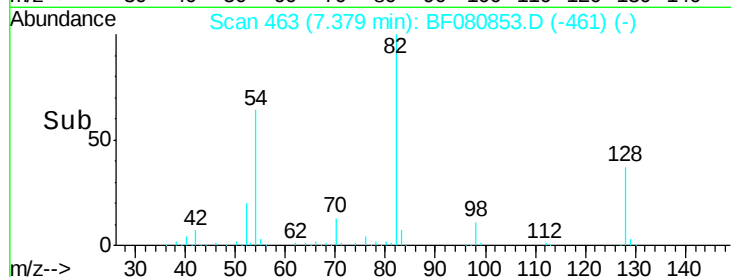
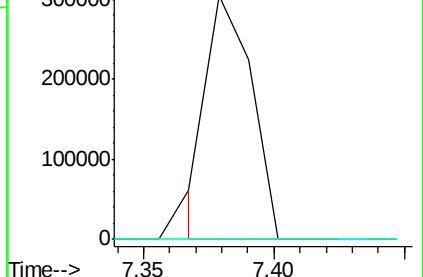
138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF080844.D (-483) (-)

Ion 95.00 (94.70 to 95.70): BF080844.D (-483) (-)

Ion 138.00 (137.70 to 138.70): BF080844.D (-483) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

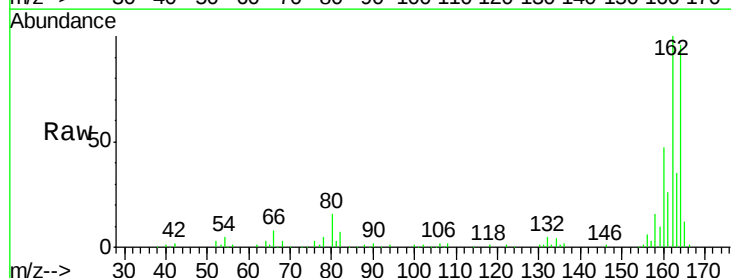
Tgt Ion:164 Resp: 175502

Ion Ratio Lower Upper

164 100

162 104.3 82.9 124.3

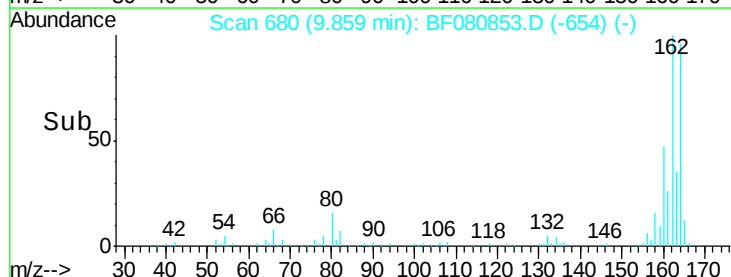
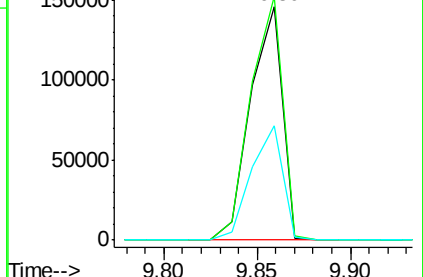
160 48.7 36.6 54.8

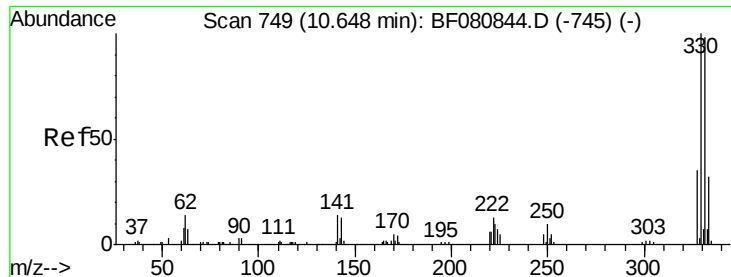


Abundance Ion 164.00 (163.70 to 164.70): BF080844.D (-676) (-)

Ion 162.00 (161.70 to 162.70): BF080844.D (-676) (-)

Ion 160.00 (159.70 to 160.70): BF080844.D (-676) (-)

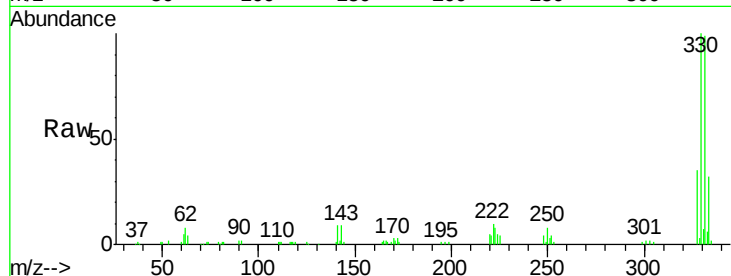




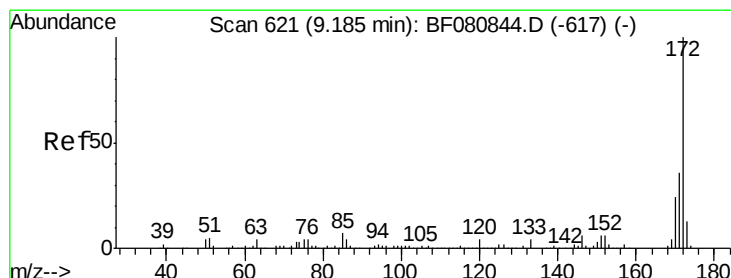
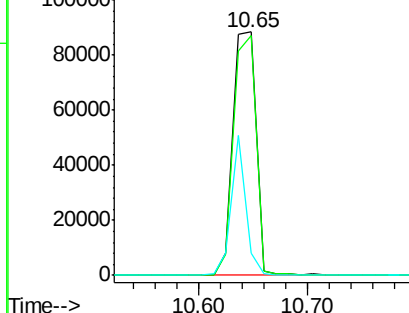
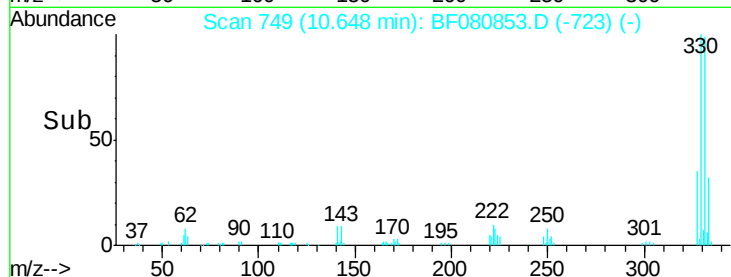
#41  
 2,4,6-Tribromophenol  
 Concen: 76.13 ng  
 RT: 10.65 min Scan# 749  
 Delta R.T. -0.00 min  
 Lab File: BF080853.D  
 Acq: 4 Aug 2015 22:54

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 77.8  | 116.8 |
| 141     | 36.0  | 28.4  | 42.6  |

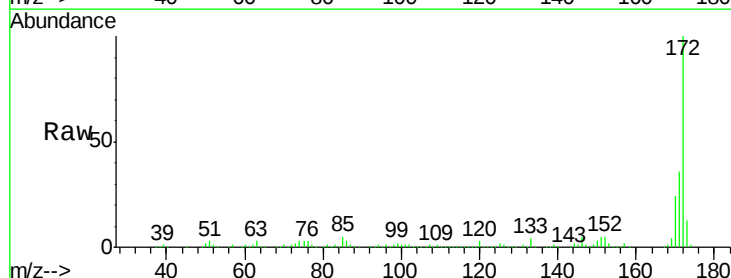


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

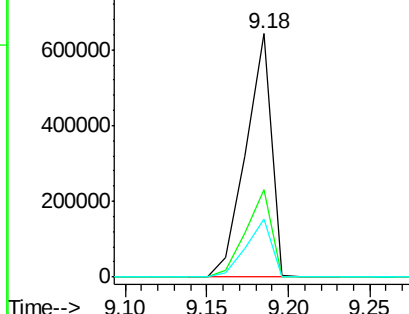
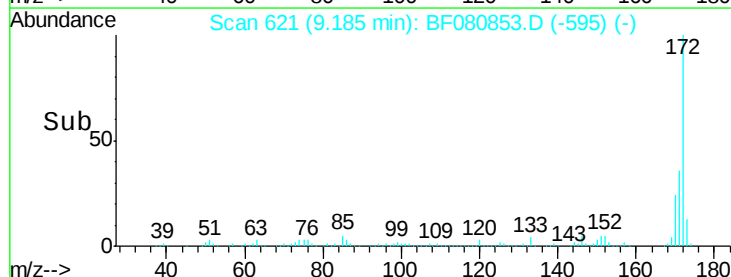


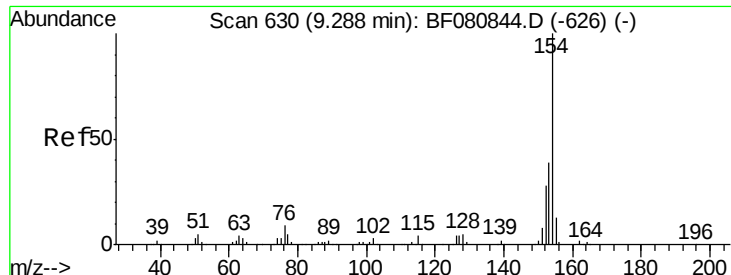
#44  
 2-Fluorobiphenyl  
 Concen: 53.60 ng  
 RT: 9.18 min Scan# 621  
 Delta R.T. -0.00 min  
 Lab File: BF080853.D  
 Acq: 4 Aug 2015 22:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 28.9  | 43.3  |
| 170     | 24.1  | 19.4  | 29.2  |



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: 0.07 ng

RT: 9.18 min Scan# 621

Delta R.T. -0.10 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

Instrument :

BNA\_F

ClientSampleId :

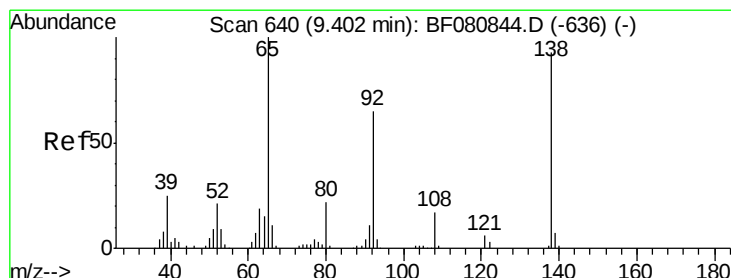
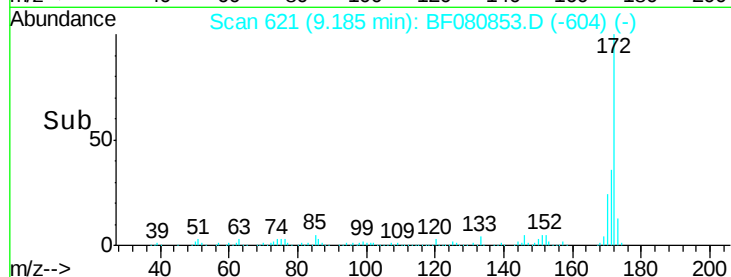
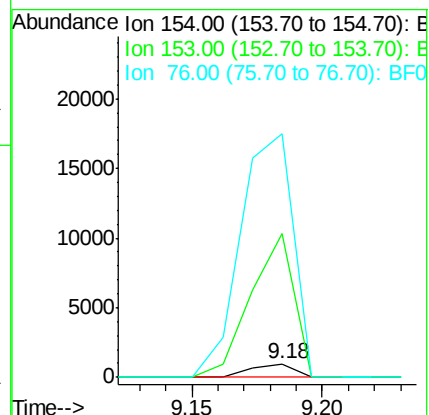
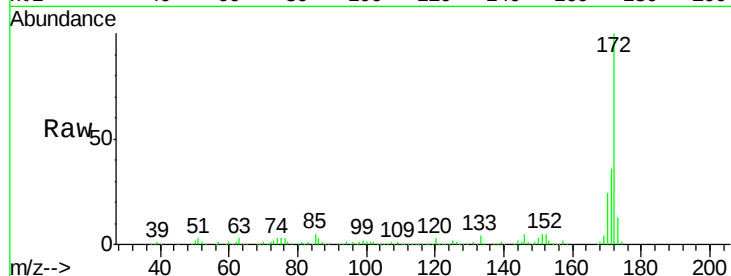
Tot Ion:154 Resp: 1106

Ion Ratio Lower Upper

154 100

153 1056.8 19.2 59.2#

76 1795.5 0.0 29.3#



#47

2-Nitroaniline

Concen: 0.26 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.23 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

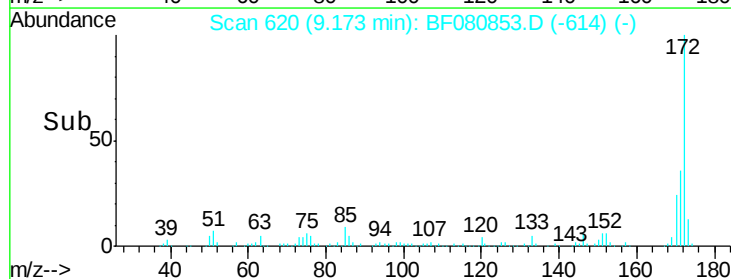
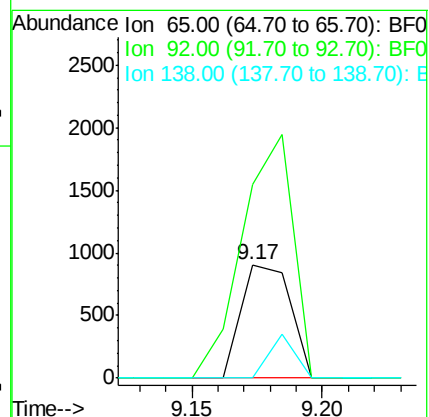
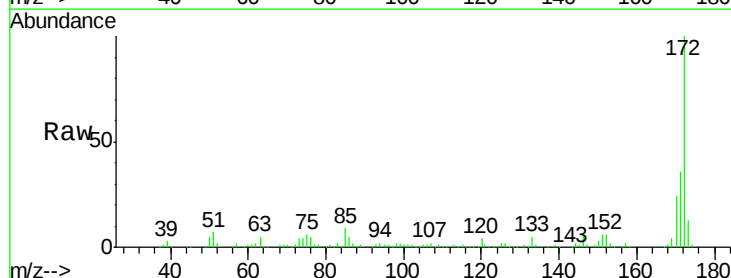
Tgt Ion: 65 Resp: 1195

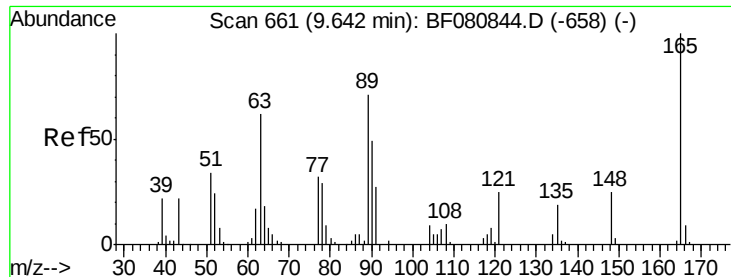
Ion Ratio Lower Upper

65 100

92 171.0 51.7 77.5#

138 0.0 74.2 111.2#

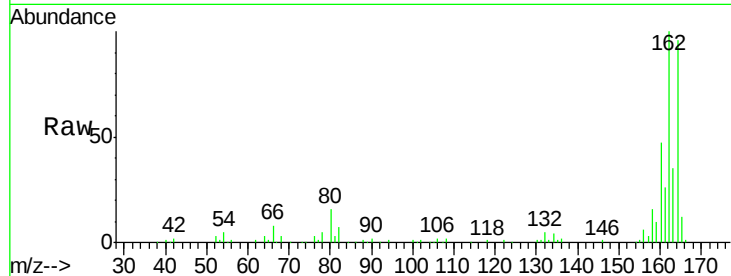




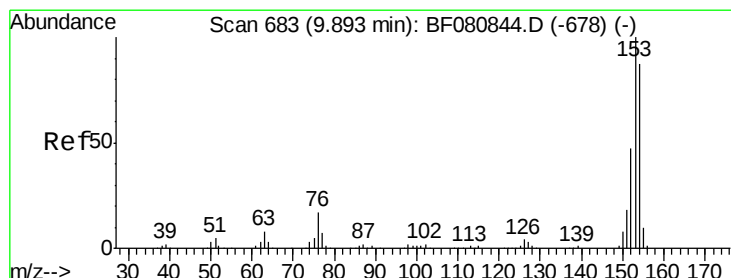
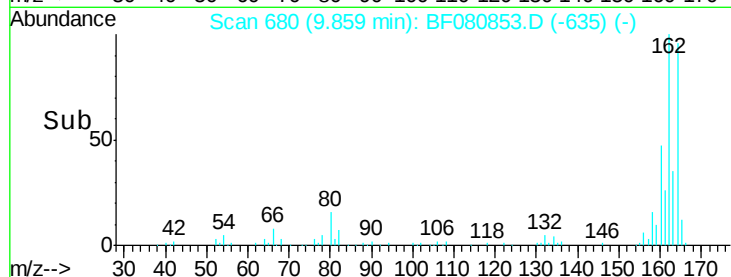
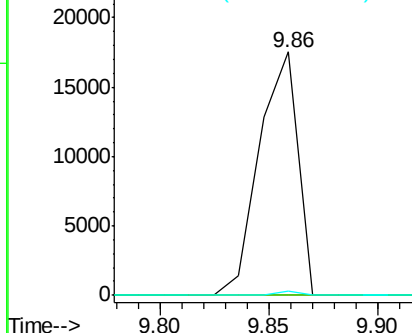
#50  
2,6-Dinitrotoluene  
Concen: 8.15 ng  
RT: 9.86 min Scan# 680  
Delta R.T. 0.22 min  
Lab File: BF080853.D  
Acq: 4 Aug 2015 22:54

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:165 Resp: 21820  
Ion Ratio Lower Upper  
165 100  
63 0.0 65.0 97.6#  
89 1.9 56.6 85.0#

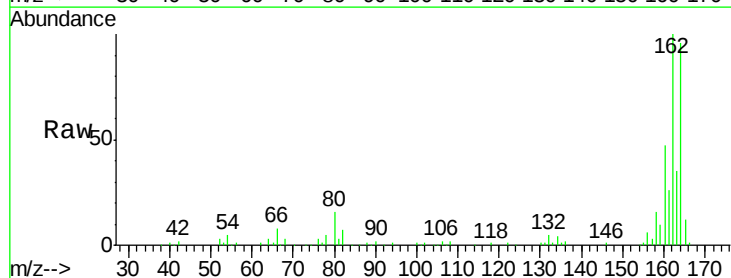


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0

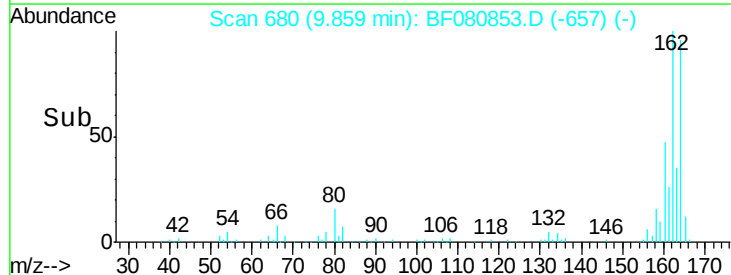
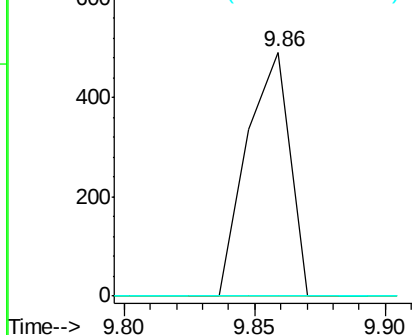


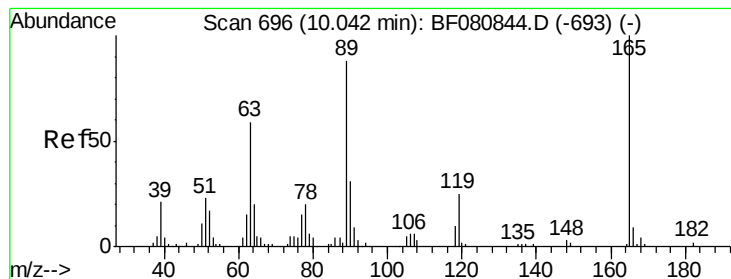
#51  
Acenaphthene  
Concen: 0.05 ng  
RT: 9.86 min Scan# 680  
Delta R.T. -0.03 min  
Lab File: BF080853.D  
Acq: 4 Aug 2015 22:54

Tgt Ion:154 Resp: 566  
Ion Ratio Lower Upper  
154 100  
153 0.0 91.8 137.6#  
152 0.0 43.2 64.8#



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





#56

2,4-Dinitrotoluene

Concen: 6.46 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.18 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 21820

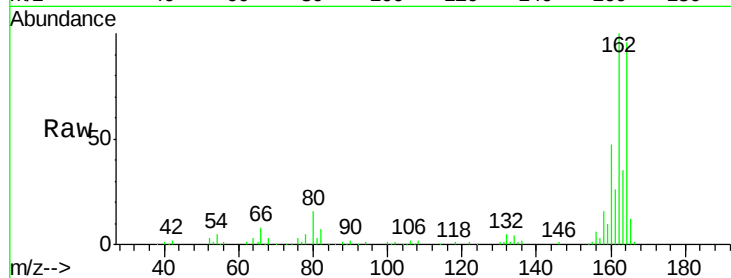
Ion Ratio Lower Upper

165 100

63 0.0 47.2 70.8#

89 1.9 70.2 105.2#

182 0.0 1.5 2.3#



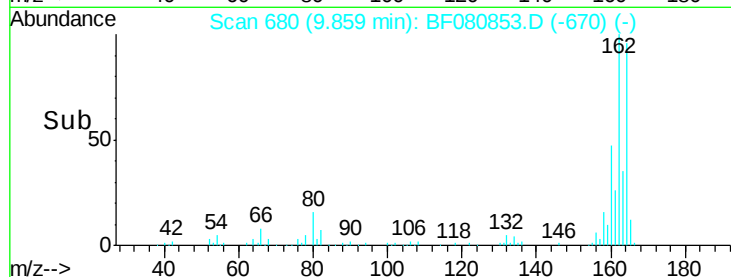
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

Time-->



Abundance

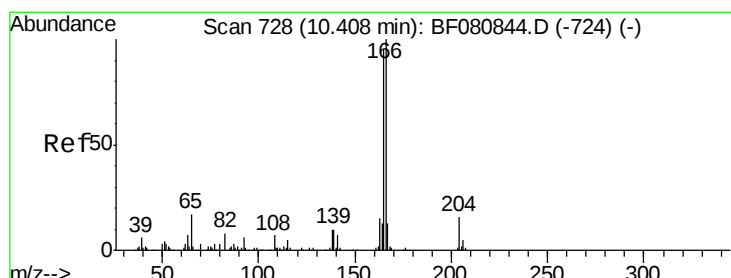
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

Time-->



#57

Fluorene

Concen: 0.42 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.23 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

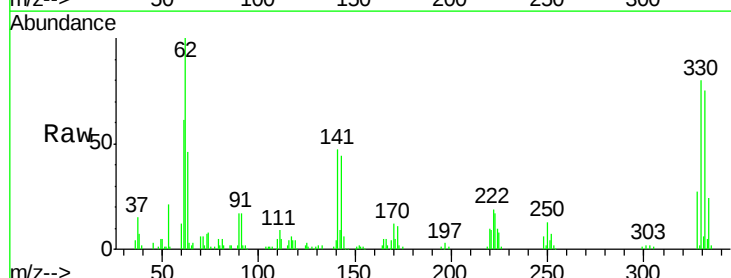
Tgt Ion:166 Resp: 5344

Ion Ratio Lower Upper

166 100

165 103.9 76.2 114.2

167 37.2 10.4 15.6#

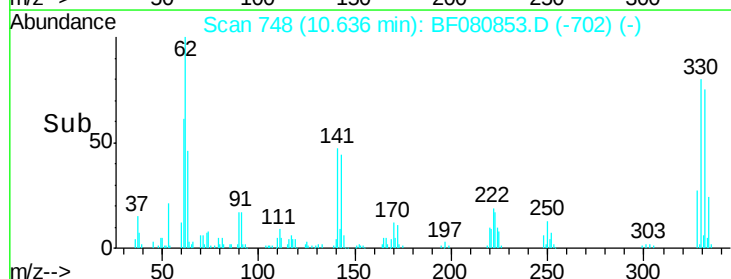


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



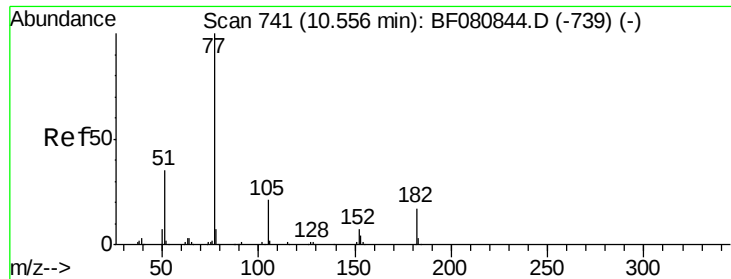
Abundance

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

Time-->



#62

Azobenzene

Concen: 0.03 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.08 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 428

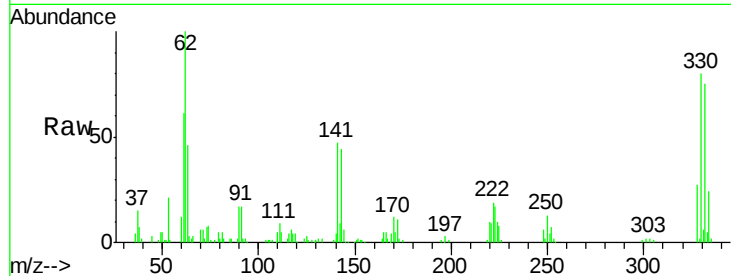
Ion Ratio Lower Upper

77 100

182 0.0 0.0 37.0

105 93.9 1.3 41.3#

51 121.3 14.6 54.6#

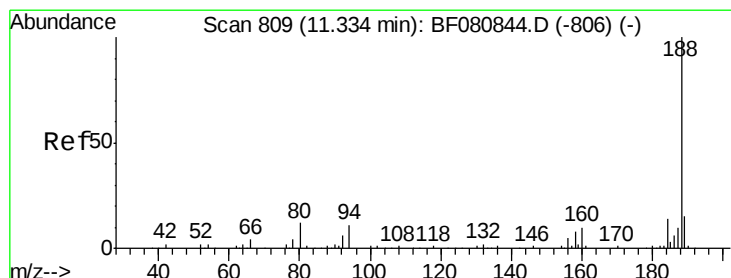
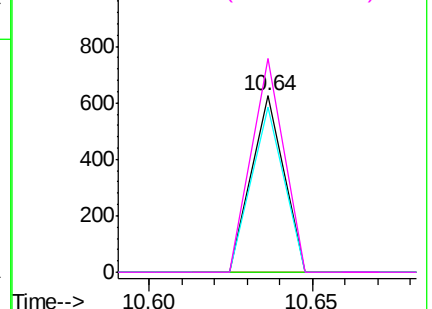
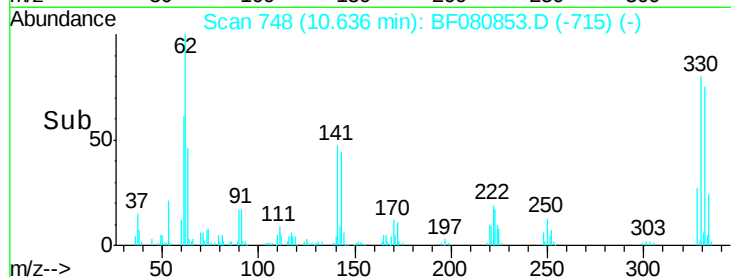


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

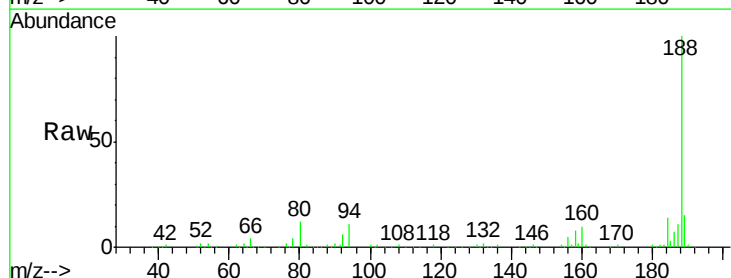
Tgt Ion: 188 Resp: 309015

Ion Ratio Lower Upper

188 100

94 11.0 8.6 12.8

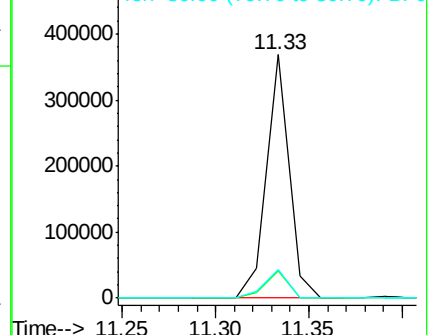
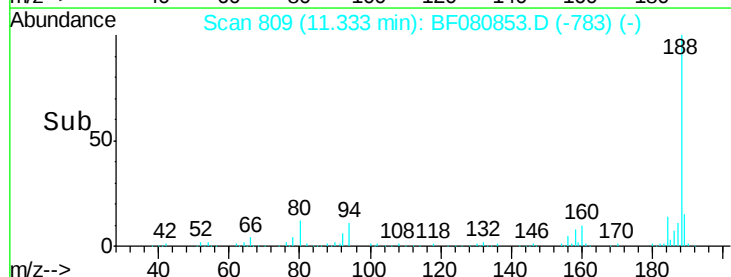
80 11.8 9.3 13.9

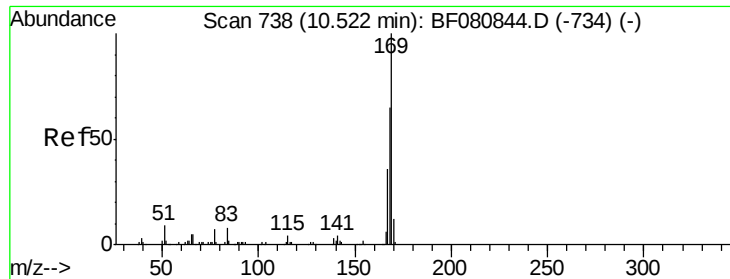


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

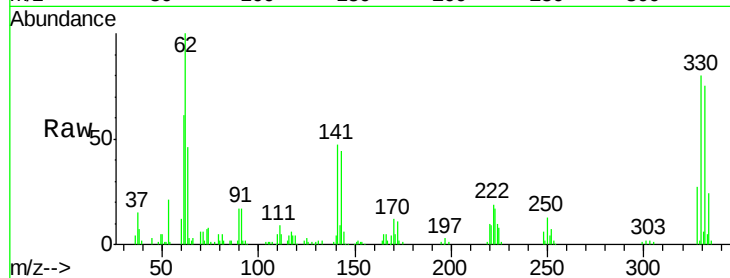




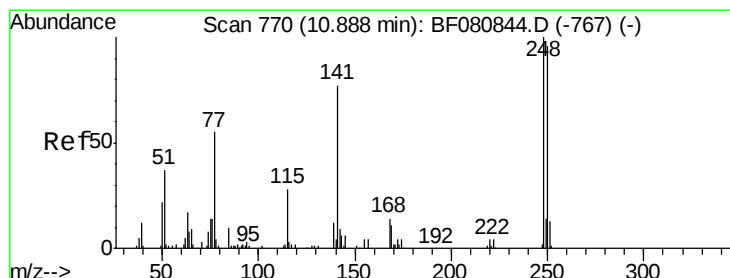
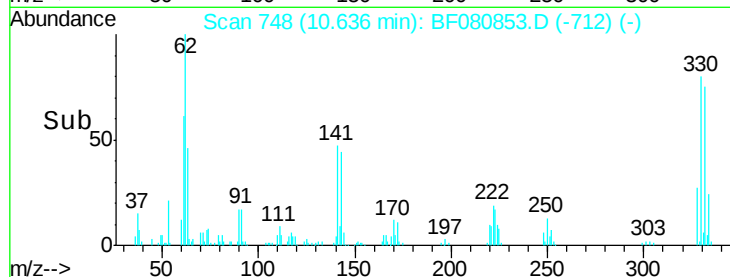
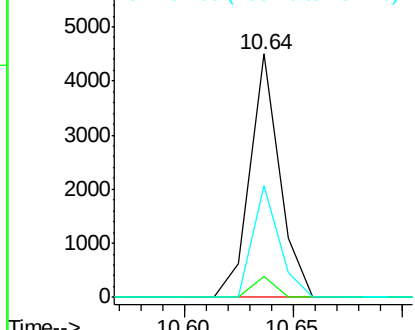
#65  
n-Nitrosodiphenylamine  
Concen: 0.36 ng  
RT: 10.64 min Scan# 748  
Delta R.T. 0.11 min  
Lab File: BF080853.D  
Acq: 4 Aug 2015 22:54

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:169 Resp: 4278  
Ion Ratio Lower Upper  
169 100  
168 8.7 52.2 78.4#  
167 46.1 29.2 43.8#

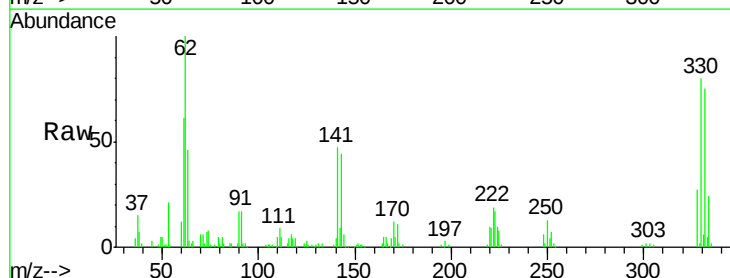


Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

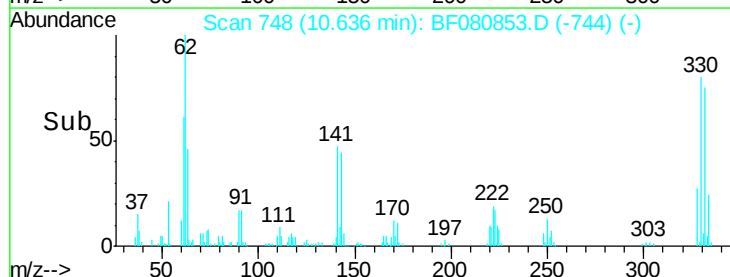
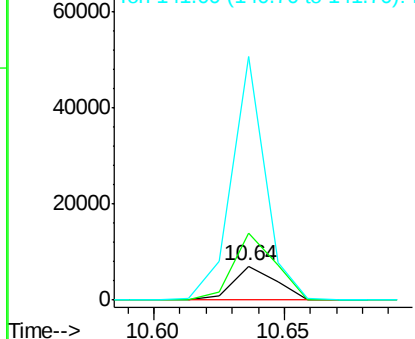


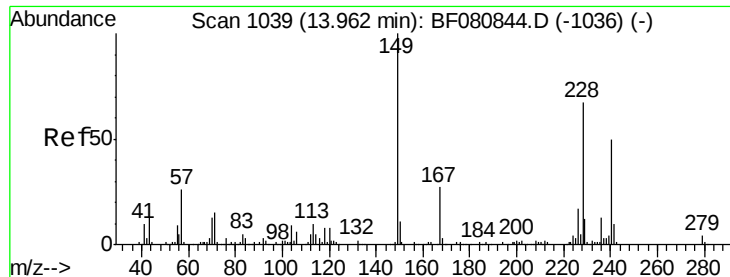
#66  
4-Bromophenyl-phenylether  
Concen: 2.37 ng  
RT: 10.64 min Scan# 748  
Delta R.T. -0.25 min  
Lab File: BF080853.D  
Acq: 4 Aug 2015 22:54

Tgt Ion:248 Resp: 8104  
Ion Ratio Lower Upper  
248 100  
250 198.6 77.2 115.8#  
141 720.6 61.4 92.0#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

Instrument :

BNA\_F

ClientSampleId :

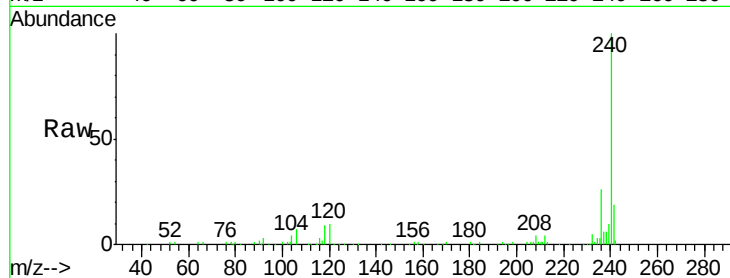
Tot Ion:240 Resp: 204271

Ion Ratio Lower Upper

240 100

120 10.0 13.0 19.6#

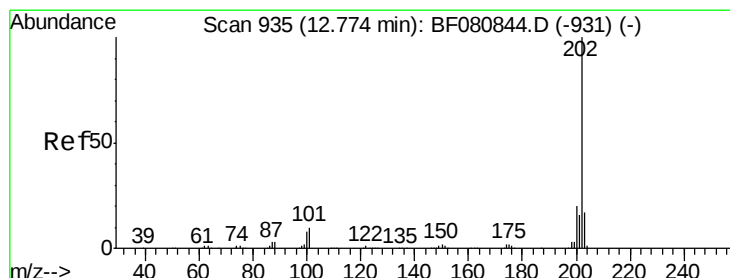
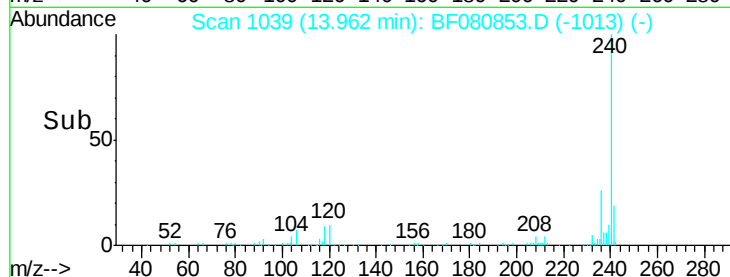
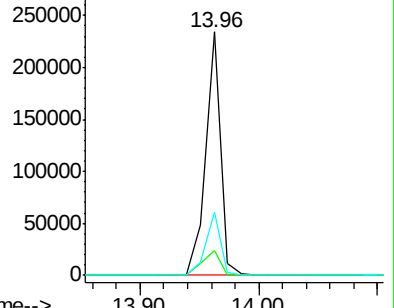
236 26.1 20.7 31.1



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



#77

Pyrene

Concen: 0.10 ng

RT: 12.92 min Scan# 948

Delta R.T. 0.15 min

Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

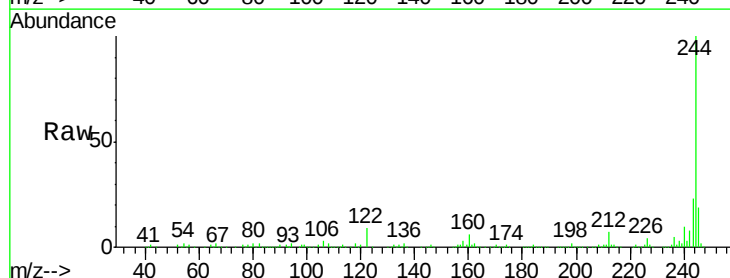
Tgt Ion:202 Resp: 1845

Ion Ratio Lower Upper

202 100

200 43.6 16.1 24.1#

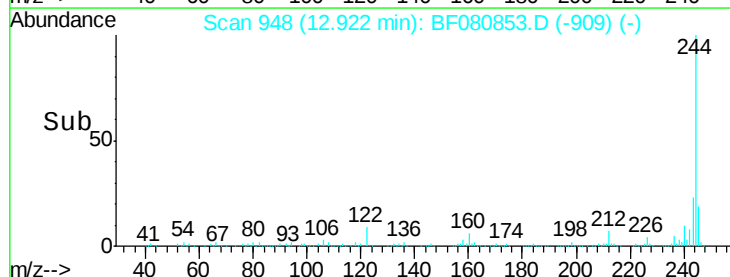
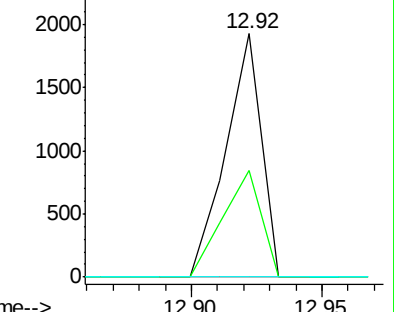
203 0.0 13.6 20.4#

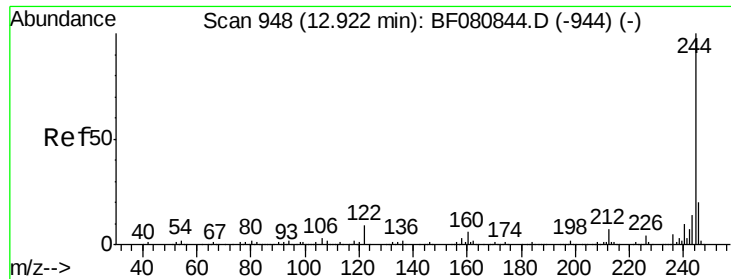


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

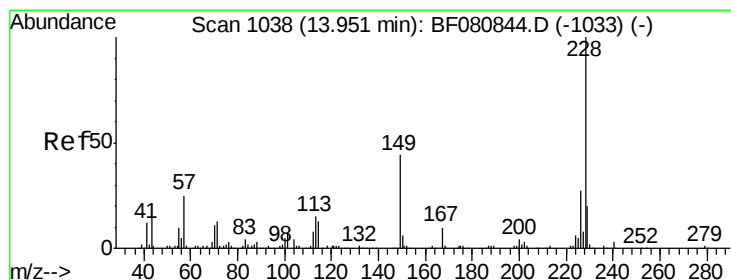
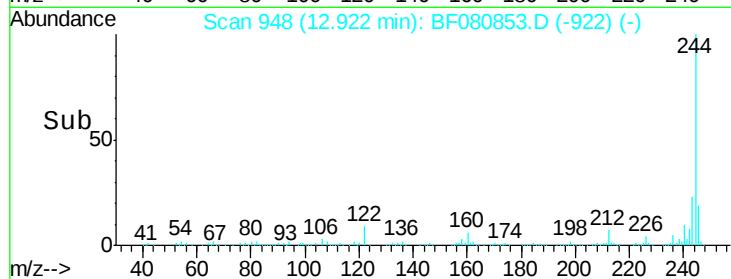
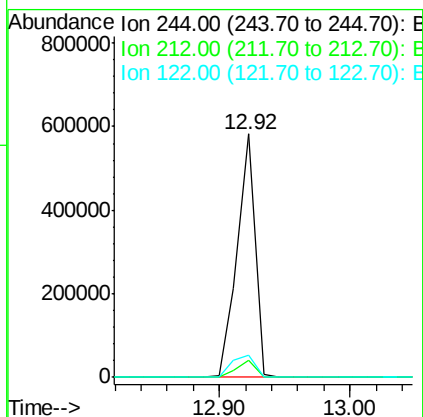
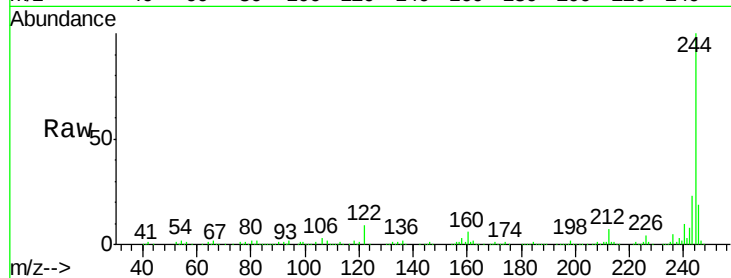




#78  
 Terphenyl-d14  
 Concen: 49.32 ng  
 RT: 12.92 min Scan# 948  
 Delta R.T. -0.00 min  
 Lab File: BF080853.D  
 Acq: 4 Aug 2015 22:54

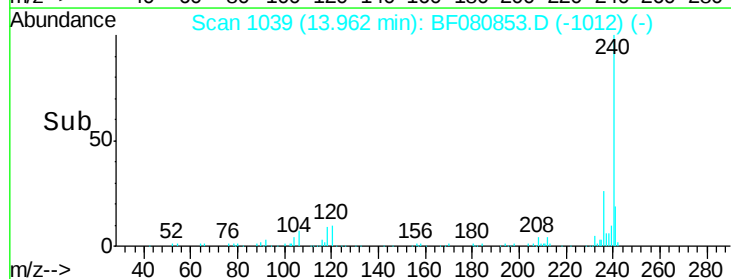
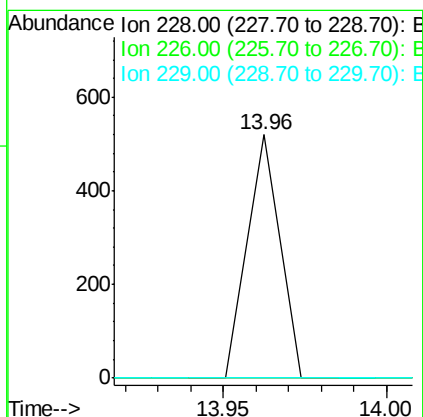
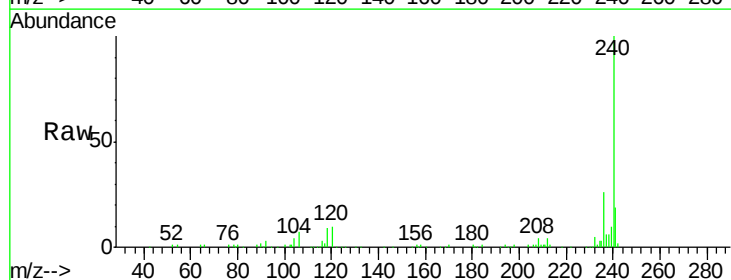
Instrument :  
 BNA\_F  
 ClientSampleId :

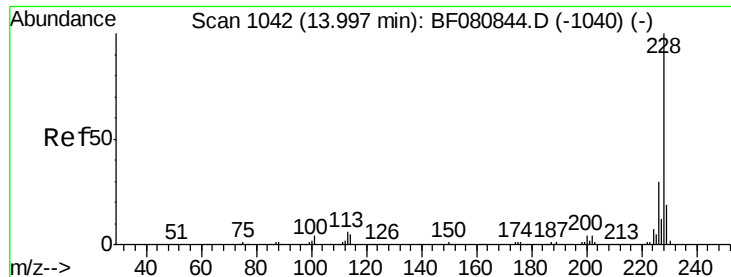
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 5.5   | 8.3   |
| 122     | 9.1   | 7.1   | 10.7  |



#80  
 Benzo(a)anthracene  
 Concen: 0.03 ng  
 RT: 13.96 min Scan# 1039  
 Delta R.T. 0.01 min  
 Lab File: BF080853.D  
 Acq: 4 Aug 2015 22:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 0.0   | 21.5  | 32.3# |
| 229     | 0.0   | 16.2  | 24.2# |

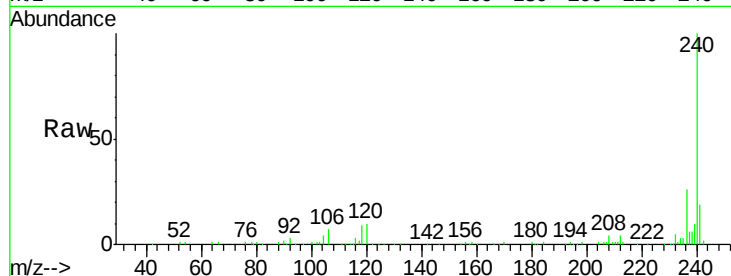




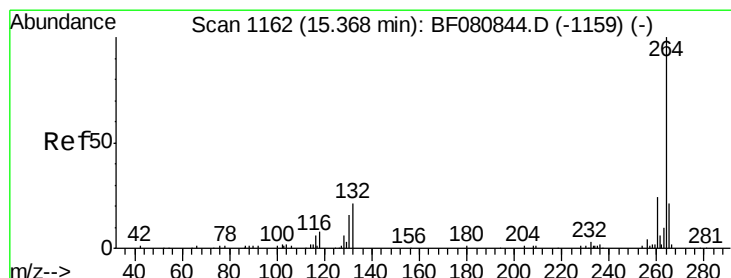
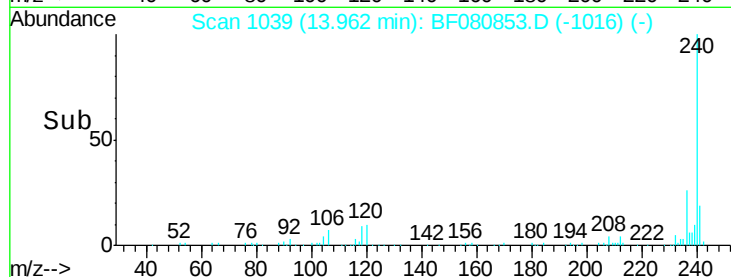
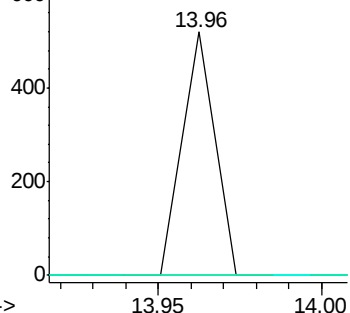
#82  
Chrysene  
Concen: 0.03 ng  
RT: 13.96 min Scan# 1039  
Delta R.T. -0.03 min  
Lab File: BF080853.D  
Acq: 4 Aug 2015 22:54

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:228 Resp: 357  
Ion Ratio Lower Upper  
228 100  
226 0.0 23.6 35.4#  
229 0.0 15.1 22.7#

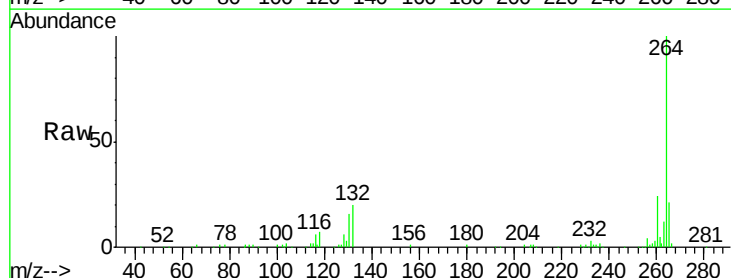


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

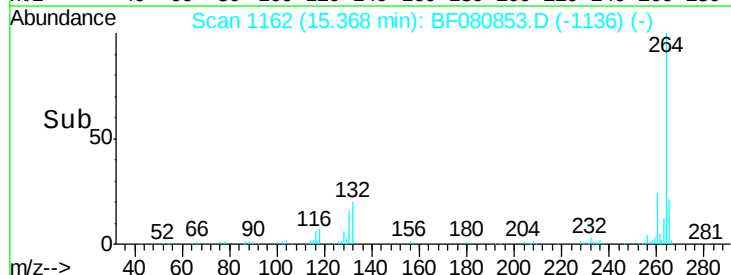
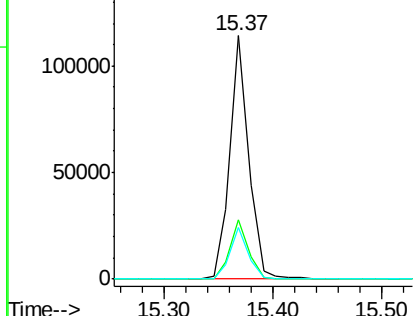


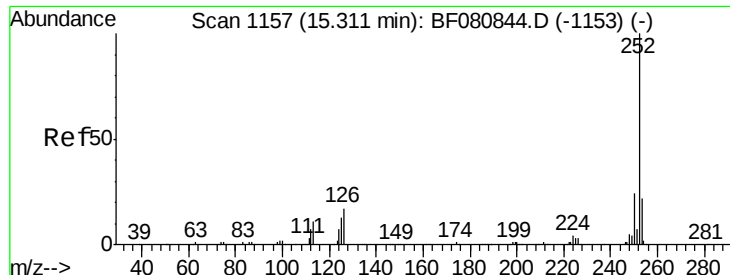
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.37 min Scan# 1162  
Delta R.T. -0.00 min  
Lab File: BF080853.D  
Acq: 4 Aug 2015 22:54

Tgt Ion:264 Resp: 137047  
Ion Ratio Lower Upper  
264 100  
260 24.2 18.9 28.3  
265 21.4 16.8 25.2



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





#89

Benzo(a)pyrene

Concen: 0.04 ng

RT: 15.37 min Scan# 1162

Delta R.T. 0.06 min

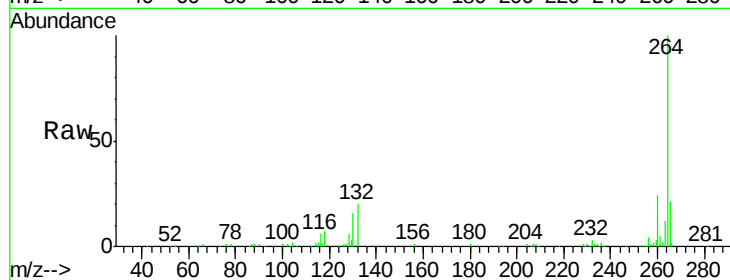
Lab File: BF080853.D

Acq: 4 Aug 2015 22:54

Instrument :

BNA\_F

ClientSampleId :



Tot Ion: 252 Resp: 312

Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.0#

125 0.0 10.6 16.0#

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

600

500

400

300

200

100

0

15.35

15.37

15.40

Time-->

