

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
 Data File : BF082010.D  
 Acq On : 3 Oct 2015 8:02  
 Operator : UM/IZ  
 Sample : G3905-04  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-02

Quant Time: Oct 05 00:21:49 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 28 18:10:42 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 96091    | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8        | 8.17  | 136  | 394170   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10      | 9.93  | 164  | 199950   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10      | 11.42 | 188  | 384289   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12          | 14.07 | 240  | 384003   | 20.00 | ng    | -0.05    |
| 86) Perylene-d12          | 15.53 | 264  | 289629   | 20.00 | ng    | -0.05    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.49  | 112  | 827485   | 156.33 | ng    | -0.03    |
| 7) Phenol-d6                | 6.51  | 99   | 978329   | 146.88 | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 614012   | 103.84 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330  | 314754   | 155.43 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.26  | 172  | 1308146  | 118.32 | ng    | -0.05    |
| 78) Terphenyl-d14           | 13.02 | 244  | 1317309  | 128.24 | ng    | -0.03    |

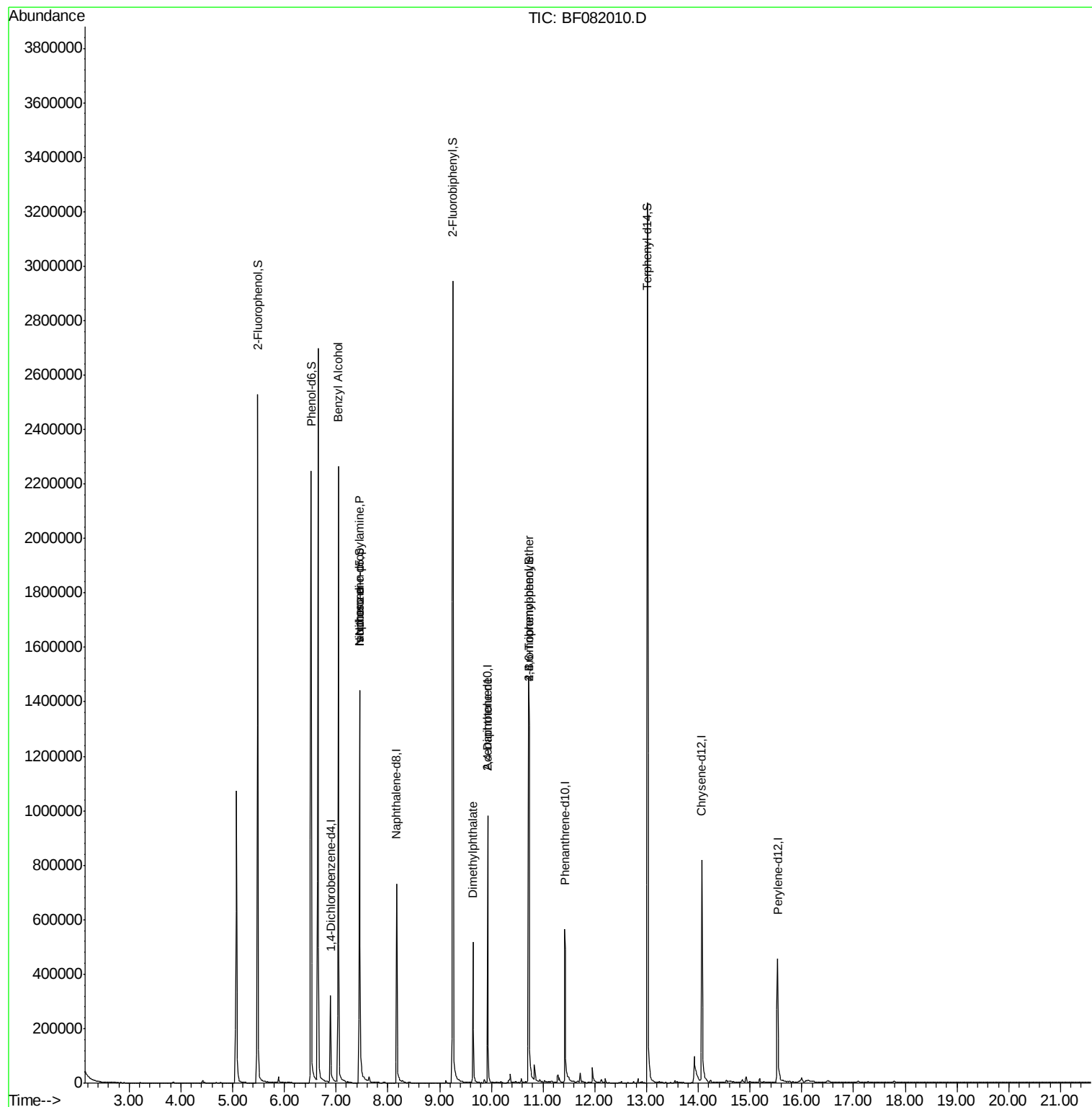
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 15) Benzyl Alcohol             | 7.04  | 79   | 10152    | 2.11      | ng    | # 35   |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 77148    | 19.06     | ng    | # 58   |
| 25) Isophorone                 | 7.45  | 82   | 544062   | 46.42     | ng    | # 58   |
| 49) Dimethylphthalate          | 9.65  | 163  | 265422   | 19.23     | ng    | # 97   |
| 56) 2,4-Dinitrotoluene         | 9.93  | 165  | 24995    | 6.54      | ng    | # 33   |
| 57) Fluorene                   | 10.72 | 166  | 11561    | Below Cal |       | # 84   |
| 66) 4-Bromophenyl-phenylether  | 10.73 | 248  | 19699    | 5.08      | ng    | # 1    |
| 70) Phenanthrene               | 11.45 | 178  | 727      | Below Cal |       | # 62   |
| 73) Di-n-butylphthalate        | 11.99 | 149  | 2553     | Below Cal |       | # 78   |

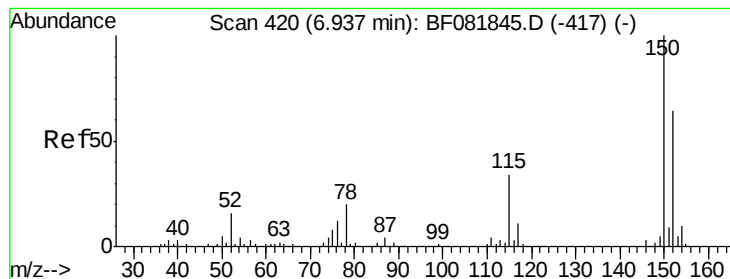
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 28 18:10:42 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF082010.D

Acq: 3 Oct 2015 8:02

Instrument :

BNA\_F

ClientSampleId :

P001-BF001-02

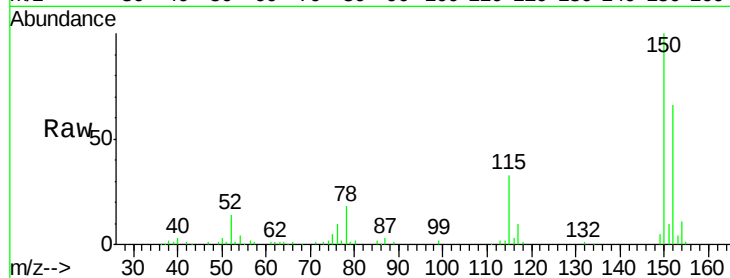
Tgt Ion:152 Resp: 96091

Ion Ratio Lower Upper

152 100

150 150.8 124.7 187.1

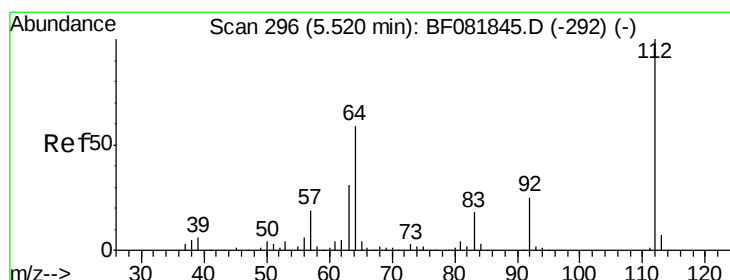
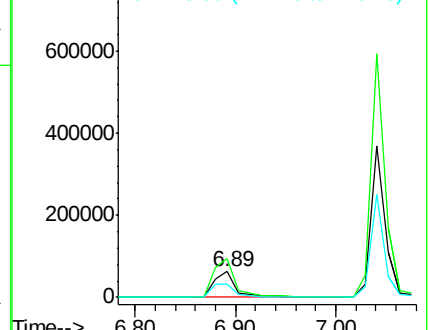
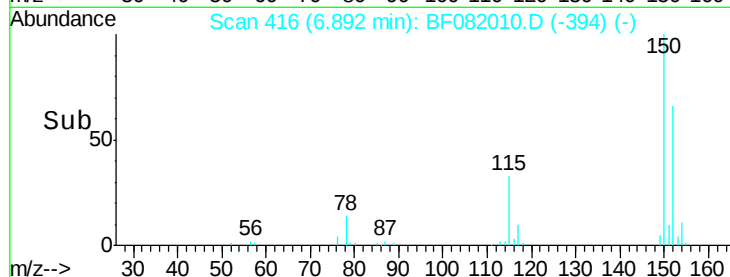
115 49.4 39.0 58.4



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: 156.33 ng

RT: 5.49 min Scan# 293

Delta R.T. -0.03 min

Lab File: BF082010.D

Acq: 3 Oct 2015 8:02

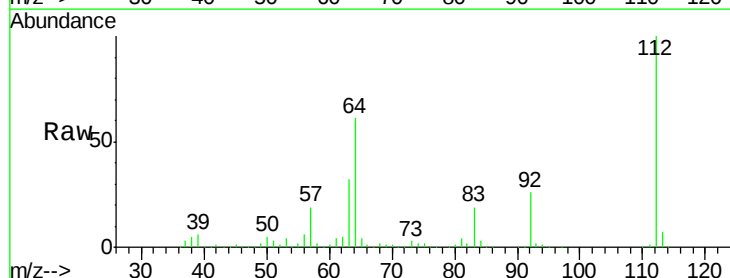
Tgt Ion:112 Resp: 827485

Ion Ratio Lower Upper

112 100

64 60.6 39.7 59.5#

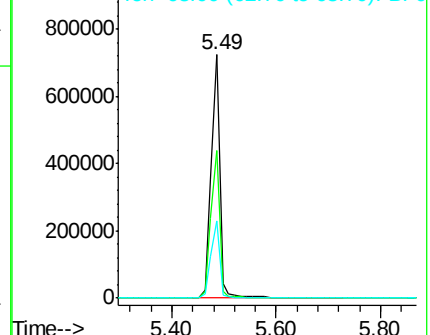
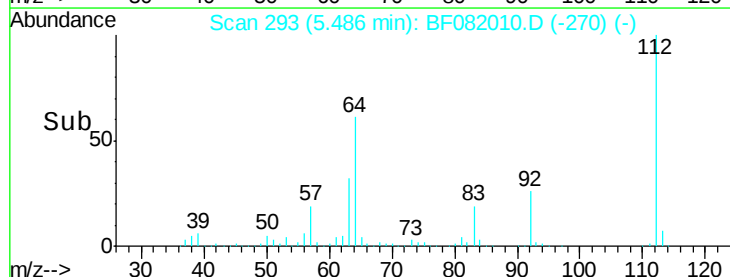
63 31.9 17.4 26.0#

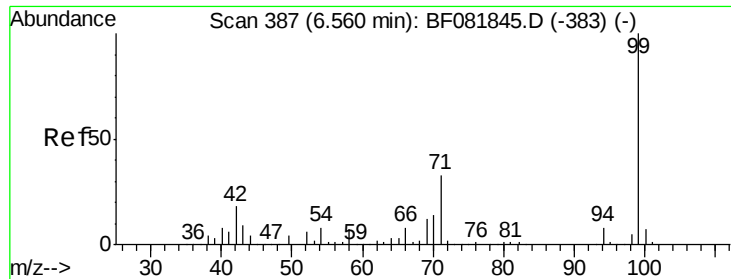


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 146.88 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF082010.D

Acq: 3 Oct 2015 8:02

Instrument :

BNA\_F

ClientSampleId :

P001-BF001-02

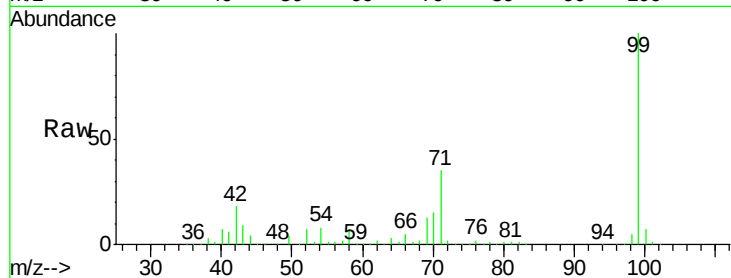
Tgt Ion: 99 Resp: 978329

Ion Ratio Lower Upper

99 100

42 18.4 13.7 20.5

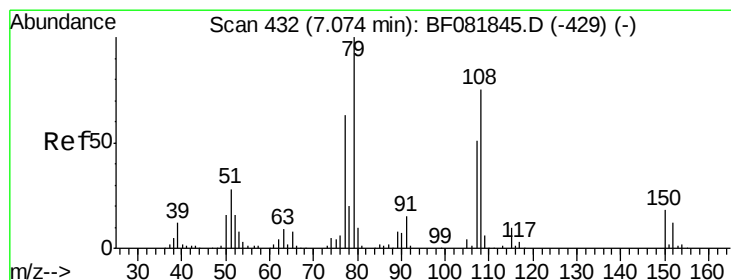
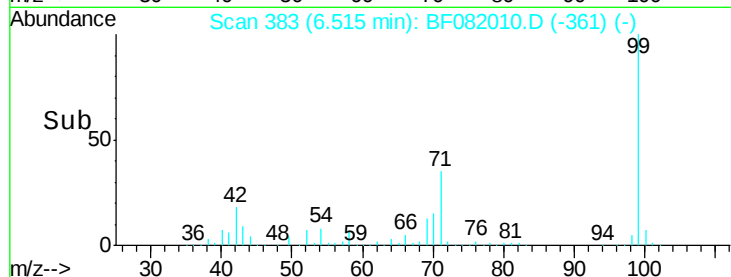
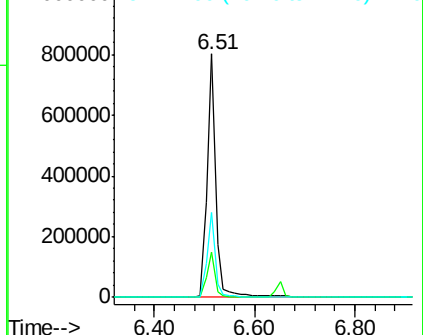
71 35.0 14.2 21.2#



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



#15

Benzyl Alcohol

Concen: 2.11 ng

RT: 7.04 min Scan# 429

Delta R.T. -0.03 min

Lab File: BF082010.D

Acq: 3 Oct 2015 8:02

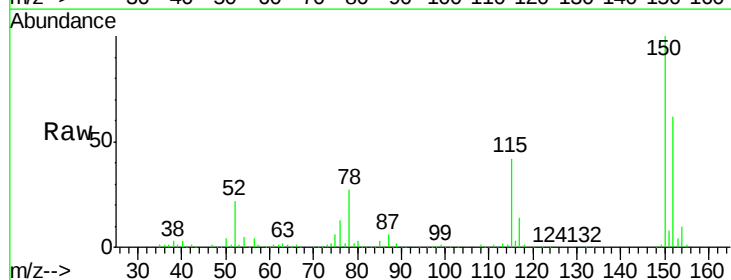
Tgt Ion: 79 Resp: 10152

Ion Ratio Lower Upper

79 100

108 29.6 88.6 132.8#

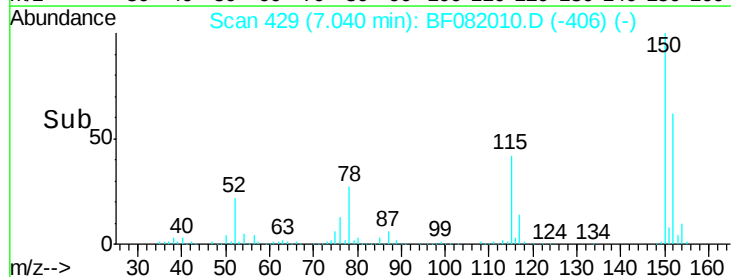
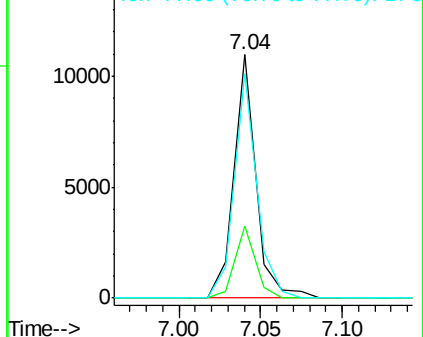
77 92.0 47.0 70.4#

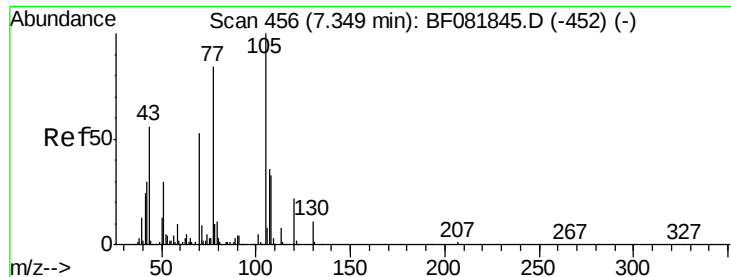


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

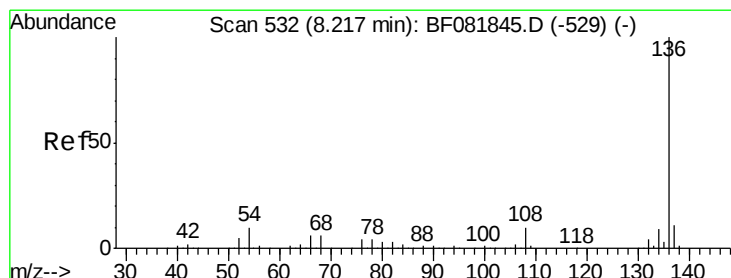
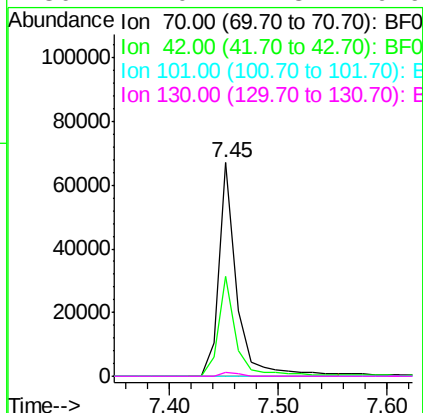
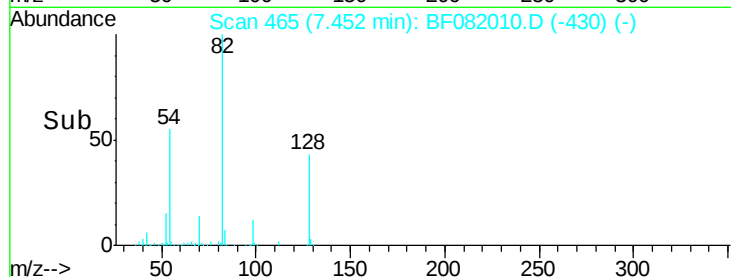
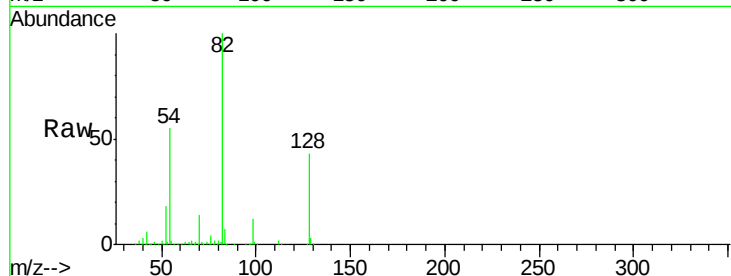




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.06 ng  
RT: 7.45 min Scan# 465  
Delta R.T. 0.10 min  
Lab File: BF082010.D  
Acq: 3 Oct 2015 8:02

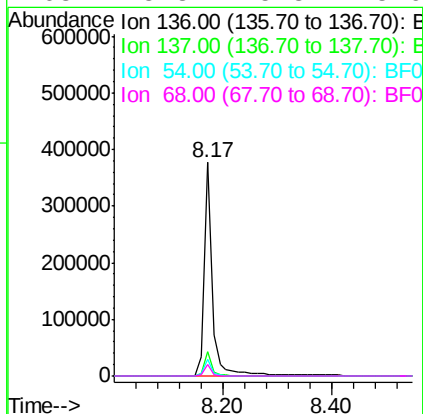
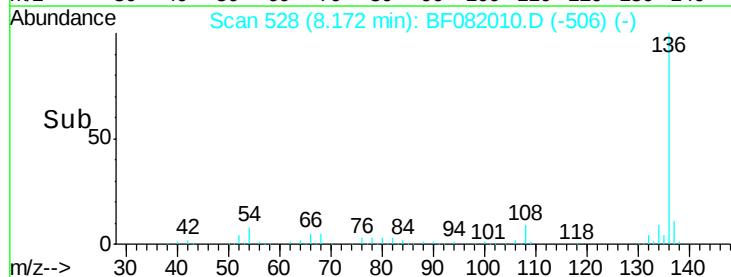
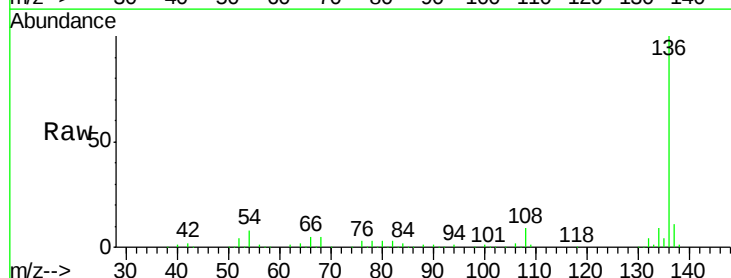
Instrument :  
BNA\_F  
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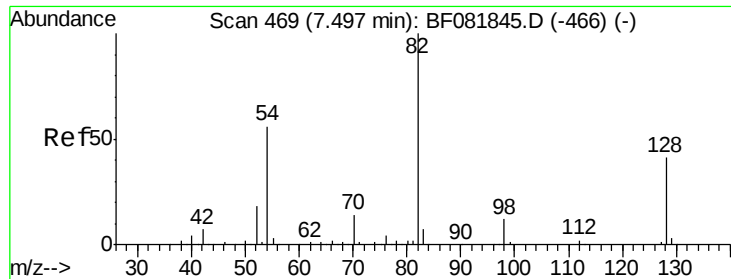
Tgt Ion: 70 Resp: 77148  
Ion Ratio Lower Upper  
70 100  
42 46.7 63.8 95.6#  
101 0.0 9.2 13.8#  
130 2.0 27.3 40.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.17 min Scan# 528  
Delta R.T. -0.05 min  
Lab File: BF082010.D  
Acq: 3 Oct 2015 8:02

Tgt Ion: 136 Resp: 394170  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.0 13.6  
54 7.7 8.2 12.2#  
68 5.3 5.8 8.6#

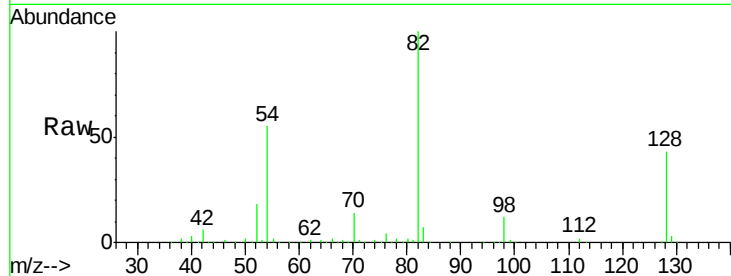




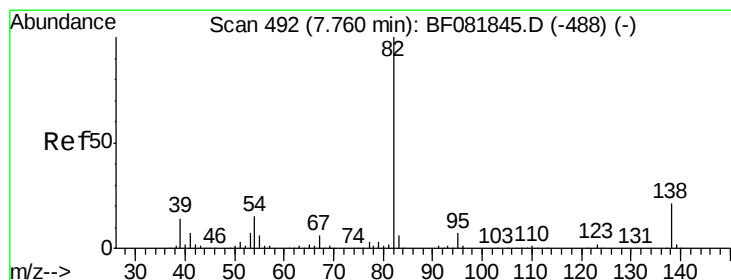
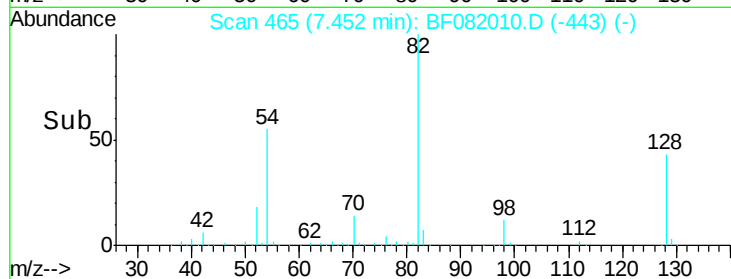
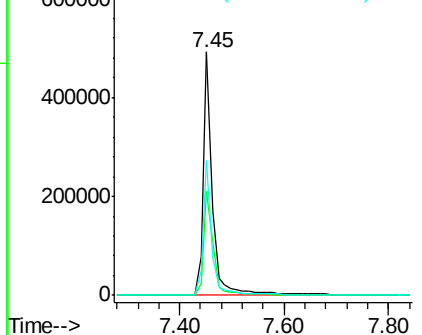
#23  
 Nitrobenzene-d5  
 Concen: 103.84 ng  
 RT: 7.45 min Scan# 465  
 Delta R.T. -0.05 min  
 Lab File: BF082010.D  
 Acq: 3 Oct 2015 8:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-02

Tgt Ion: 82 Resp: 614012  
 Ion Ratio Lower Upper  
 82 100  
 128 42.8 51.0 76.6#  
 54 55.3 47.5 71.3

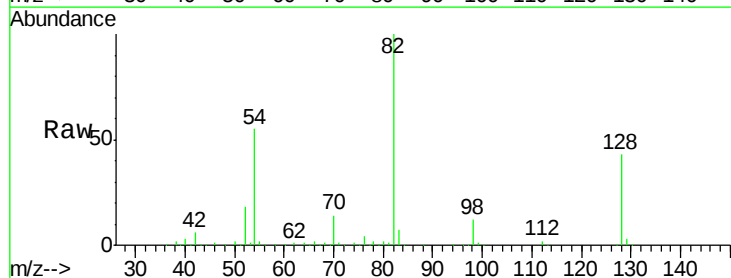


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

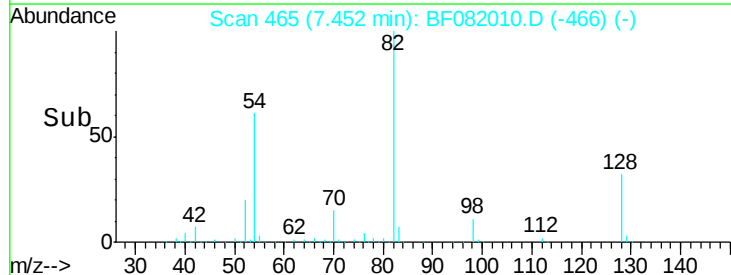
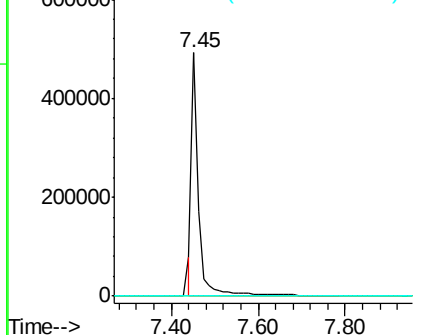


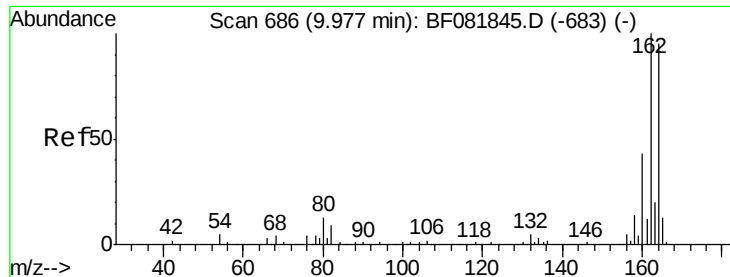
#25  
 Isophorone  
 Concen: 46.42 ng  
 RT: 7.45 min Scan# 465  
 Delta R.T. -0.31 min  
 Lab File: BF082010.D  
 Acq: 3 Oct 2015 8:02

Tgt Ion: 82 Resp: 544062  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 4.0 6.0#  
 138 0.0 18.3 27.5#



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

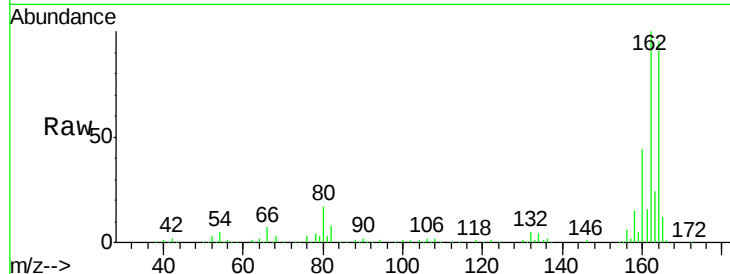




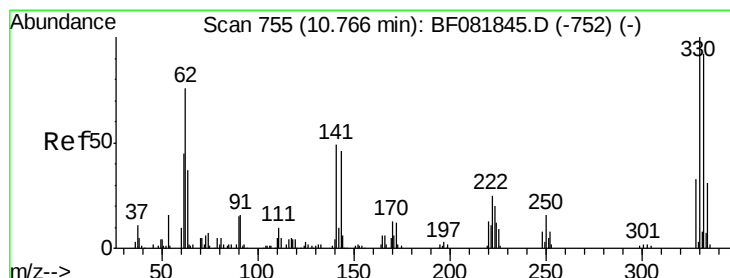
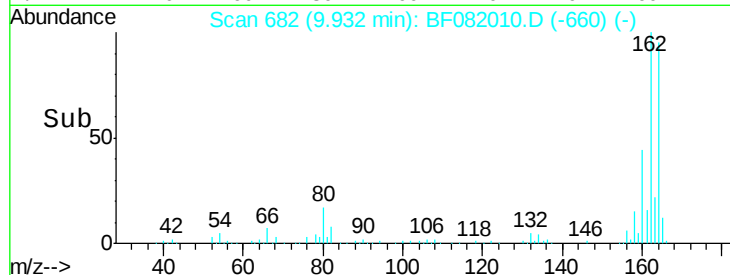
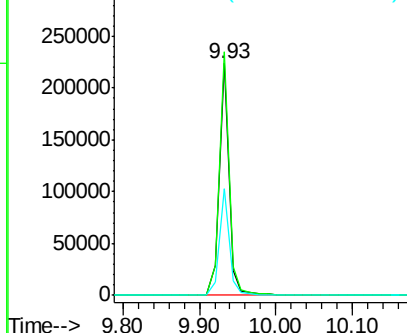
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.93 min Scan# 682  
Delta R.T. -0.05 min  
Lab File: BF082010.D  
Acq: 3 Oct 2015 8:02

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-02

Tgt Ion:164 Resp: 199950  
Ion Ratio Lower Upper  
164 100  
162 105.0 75.2 112.8  
160 46.0 31.5 47.3

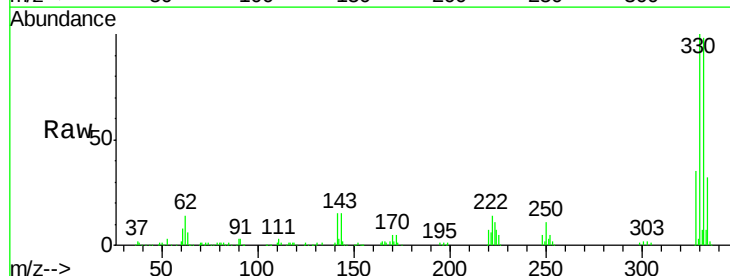


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

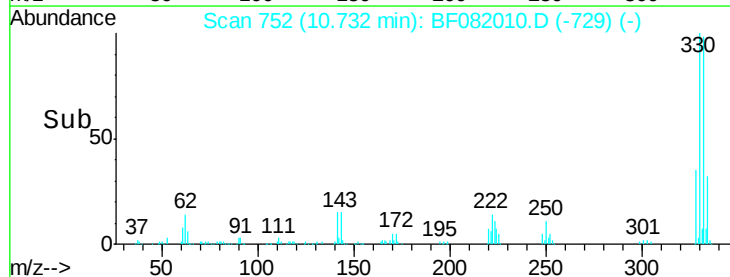
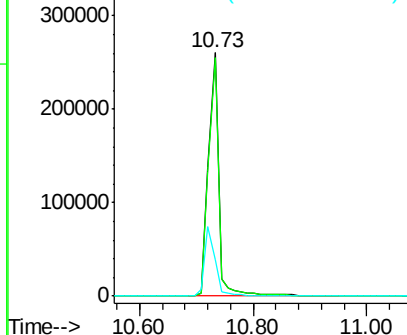


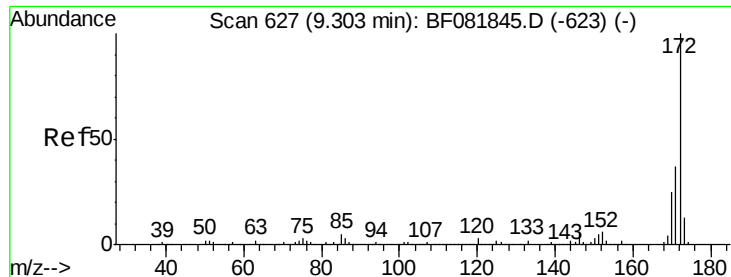
#41  
2,4,6-Tribromophenol  
Concen: 155.43 ng  
RT: 10.73 min Scan# 752  
Delta R.T. -0.03 min  
Lab File: BF082010.D  
Acq: 3 Oct 2015 8:02

Tgt Ion:330 Resp: 314754  
Ion Ratio Lower Upper  
330 100  
332 98.1 76.6 114.8  
141 30.4 29.7 44.5



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

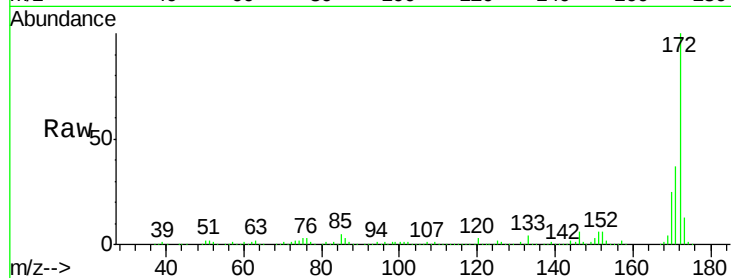




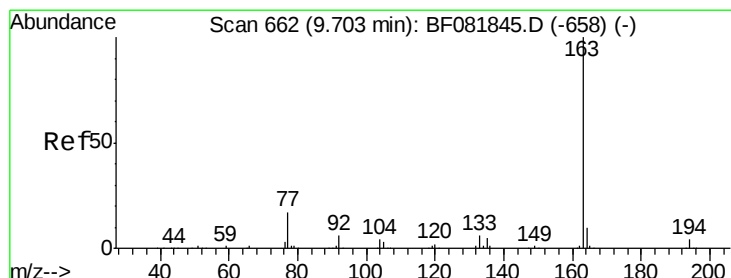
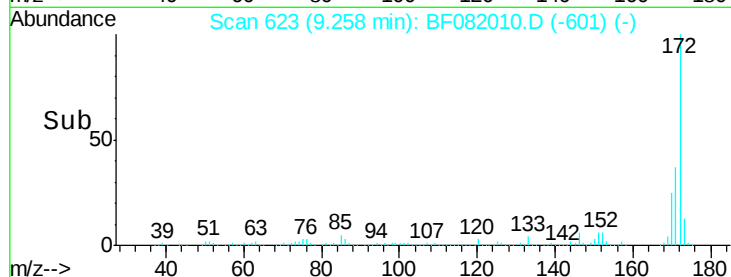
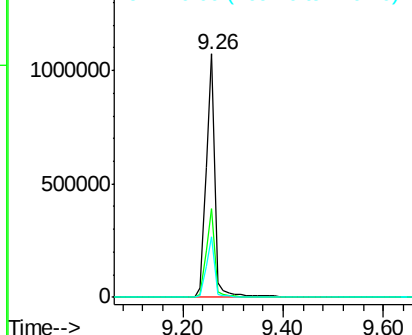
#44  
2-Fluorobiphenyl  
Concen: 118.32 ng  
RT: 9.26 min Scan# 623  
Delta R.T. -0.05 min  
Lab File: BF082010.D  
Acq: 3 Oct 2015 8:02

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-02

Tgt Ion:172 Resp: 1308146  
Ion Ratio Lower Upper  
172 100  
171 36.5 26.1 39.1  
170 25.0 17.4 26.2

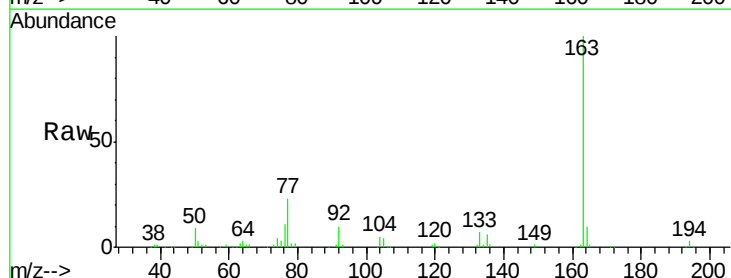


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

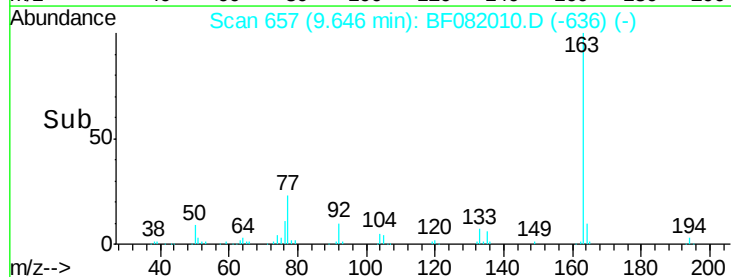
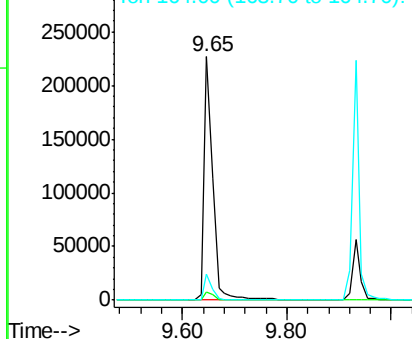


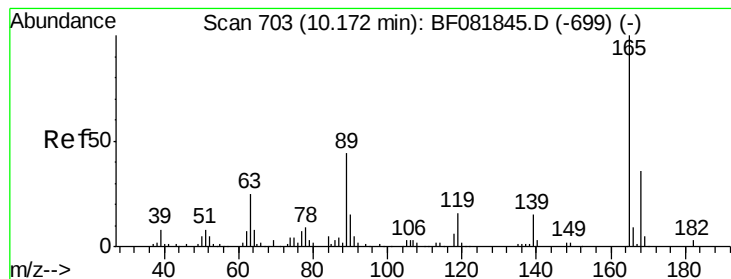
#49  
Dimethylphthalate  
Concen: 19.23 ng  
RT: 9.65 min Scan# 657  
Delta R.T. -0.06 min  
Lab File: BF082010.D  
Acq: 3 Oct 2015 8:02

Tgt Ion:163 Resp: 265422  
Ion Ratio Lower Upper  
163 100  
194 3.1 4.4 6.6#  
164 10.5 8.3 12.5



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

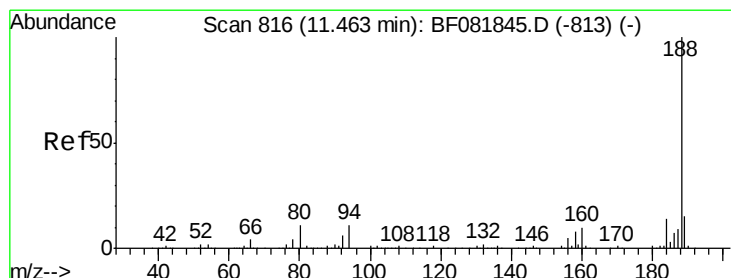
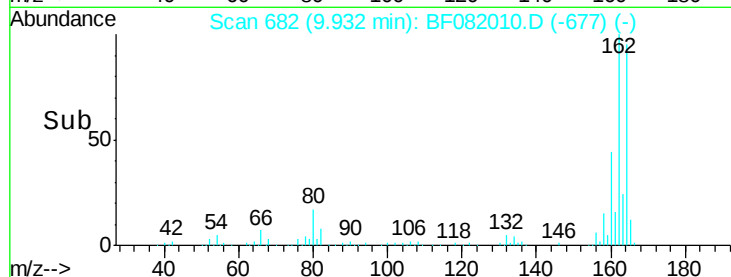
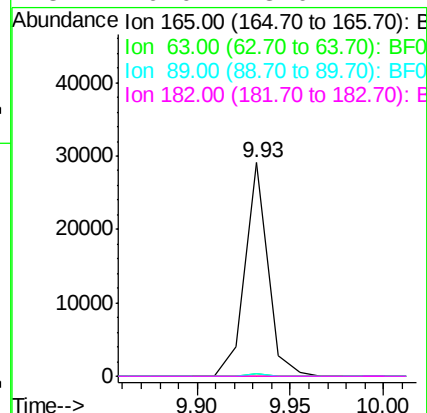
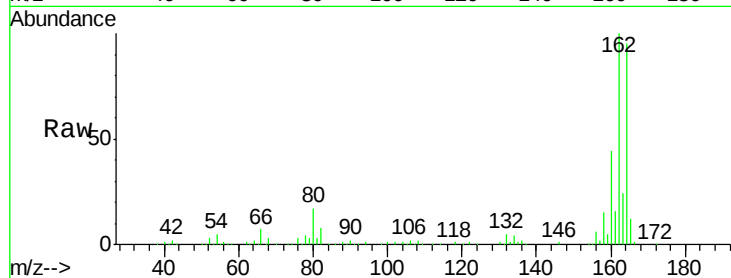




#56  
 2,4-Dinitrotoluene  
 Concen: 6.54 ng  
 RT: 9.93 min Scan# 682  
 Delta R.T. -0.24 min  
 Lab File: BF082010.D  
 Acq: 3 Oct 2015 8:02

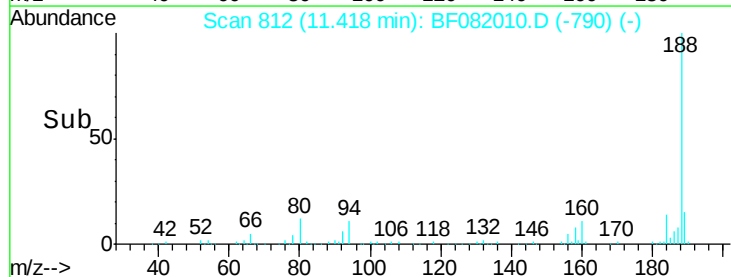
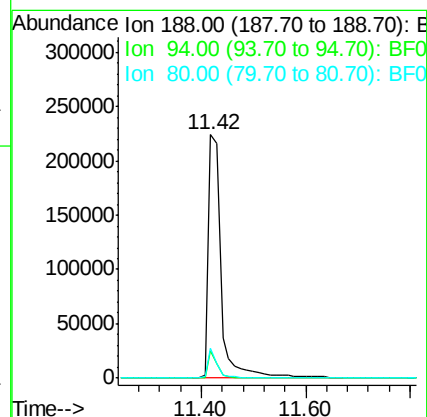
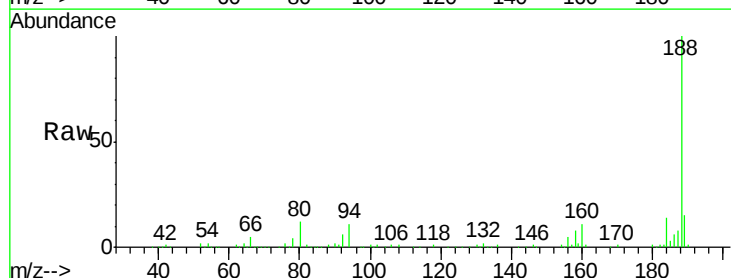
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-02

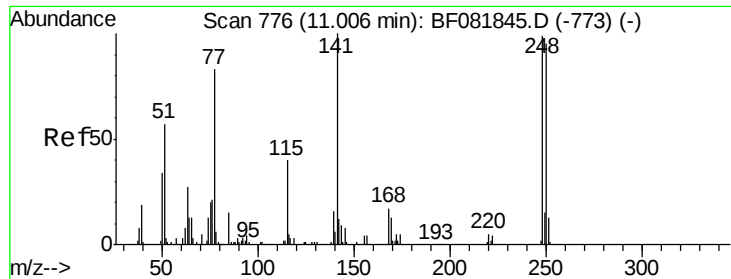
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 29.8  | 44.6# |
| 89      | 1.2   | 44.5  | 66.7# |
| 182     | 0.0   | 3.0   | 4.4#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.42 min Scan# 812  
 Delta R.T. -0.05 min  
 Lab File: BF082010.D  
 Acq: 3 Oct 2015 8:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.2  | 11.1  | 16.7  |
| 80      | 12.5  | 11.0  | 16.4  |

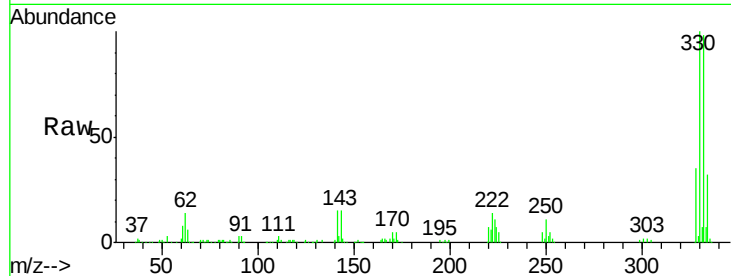




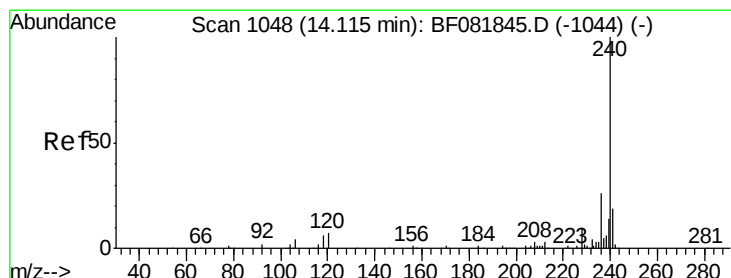
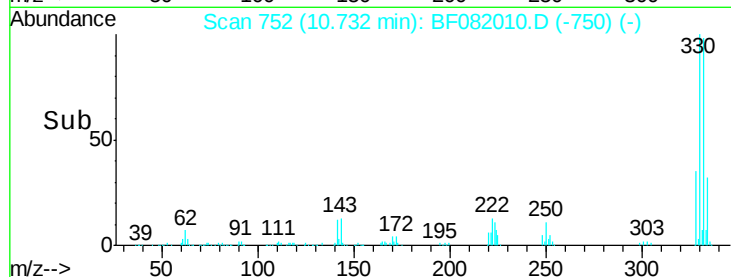
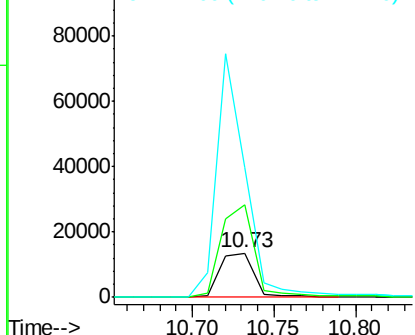
#66  
 4-Bromophenyl-phenylether  
 Concen: 5.08 ng  
 RT: 10.73 min Scan# 752  
 Delta R.T. -0.27 min  
 Lab File: BF082010.D  
 Acq: 3 Oct 2015 8:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-02

Tgt Ion:248 Resp: 19699  
 Ion Ratio Lower Upper  
 248 100  
 250 208.5 78.5 117.7#  
 141 291.0 59.0 88.6#

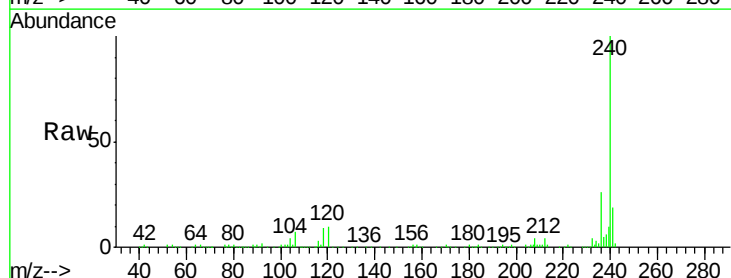


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

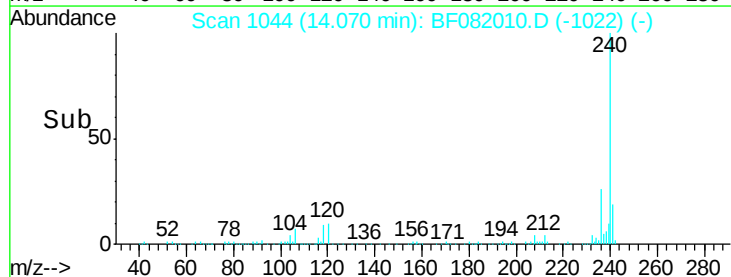
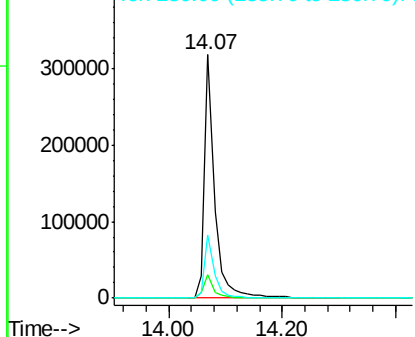


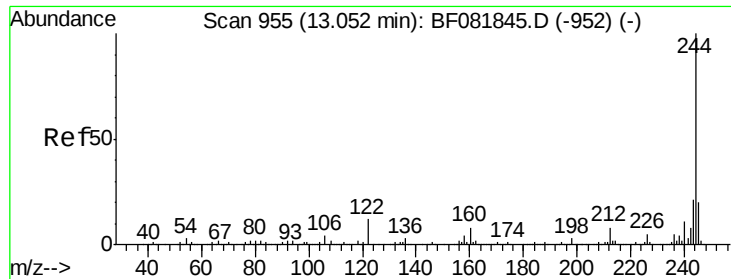
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.07 min Scan# 1044  
 Delta R.T. -0.05 min  
 Lab File: BF082010.D  
 Acq: 3 Oct 2015 8:02

Tgt Ion:240 Resp: 384003  
 Ion Ratio Lower Upper  
 240 100  
 120 9.7 16.2 24.2#  
 236 25.8 18.4 27.6



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

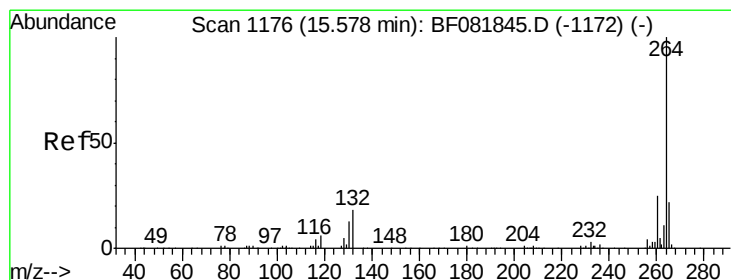
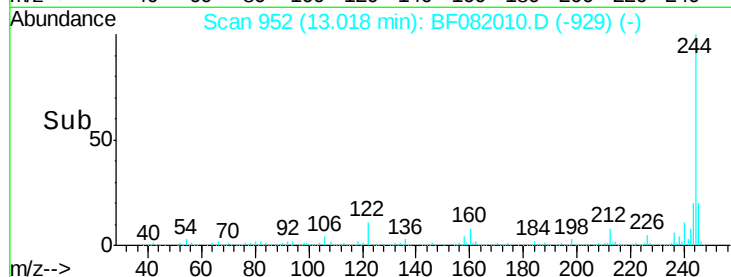
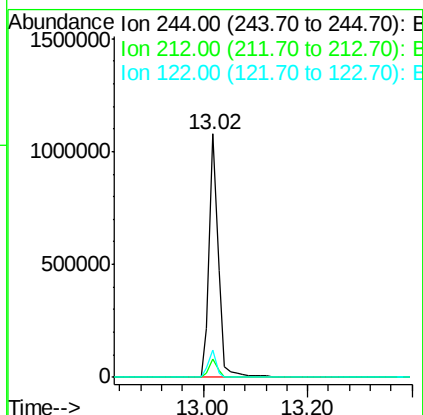
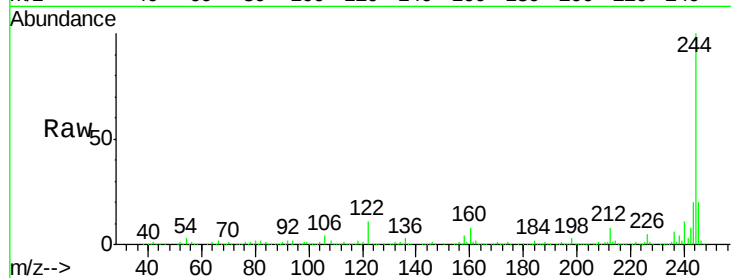




#78  
 Terphenyl-d14  
 Concen: 128.24 ng  
 RT: 13.02 min Scan# 952  
 Delta R.T. -0.03 min  
 Lab File: BF082010.D  
 Acq: 3 Oct 2015 8:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-02

Tgt Ion:244 Resp: 1317309  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 4.3 6.5#  
 122 11.4 17.4 26.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.53 min Scan# 1172  
 Delta R.T. -0.05 min  
 Lab File: BF082010.D  
 Acq: 3 Oct 2015 8:02

Tgt Ion:264 Resp: 289629  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 16.7 25.1  
 265 21.5 17.2 25.8

