

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\  
 Data File : BF100704.D  
 Acq On : 18 Nov 2017 5:05  
 Operator : SJ/JU  
 Sample : I6343-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HL-12A

Quant Time: Nov 18 05:35:06 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 15:22:08 2017  
 Response via : Initial Calibration

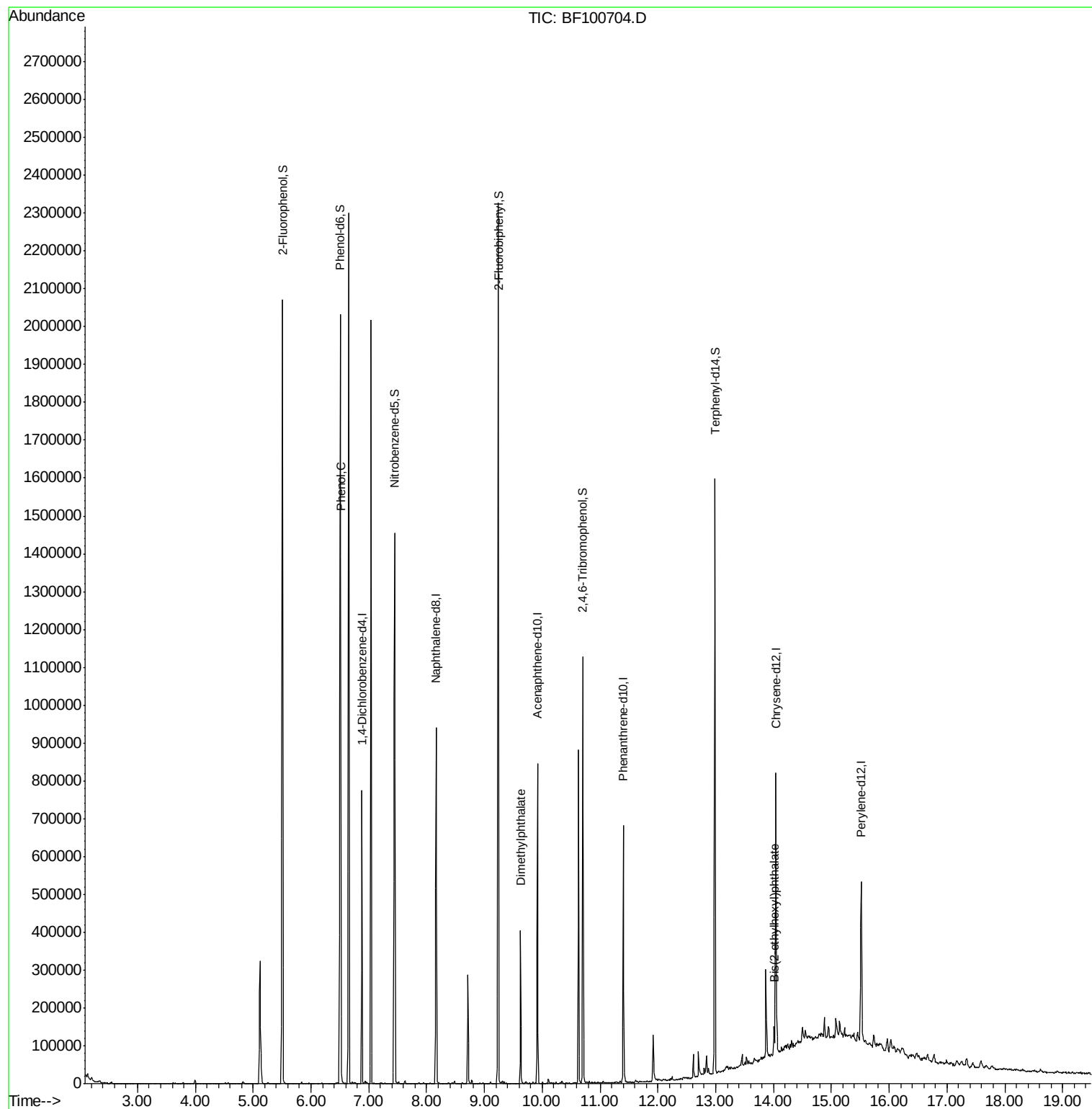
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.88  | 152  | 109934   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.16  | 136  | 405927   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.92  | 164  | 160799   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.40 | 188  | 243943   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.04 | 240  | 240565   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.52 | 264  | 199781   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.51  | 112  | 684338   | 99.79  | ng    | 0.02     |
| 7) Phenol-d6                   | 6.51  | 99   | 819924   | 96.95  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 497453   | 81.02  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.70 | 330  | 141105   | 86.12  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.24  | 172  | 770510   | 72.96  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.99 | 244  | 493355   | 47.12  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.52  | 94   | 28438    | 3.203  | ng    | 93       |
| 49) Dimethylphthalate          | 9.63  | 163  | 154975   | 12.623 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149  | 20139    | 2.190  | ng    | 100      |

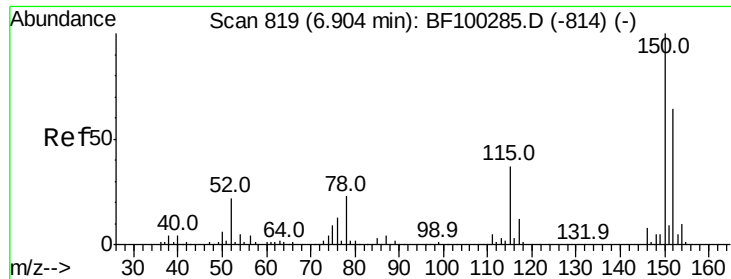
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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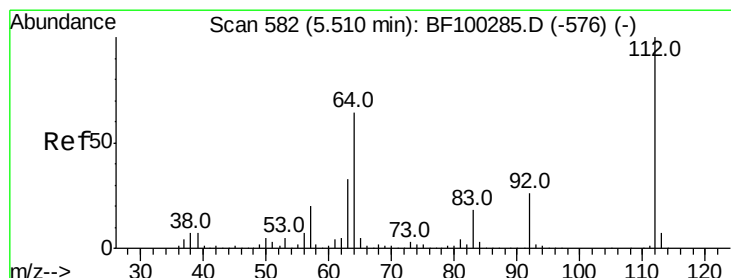
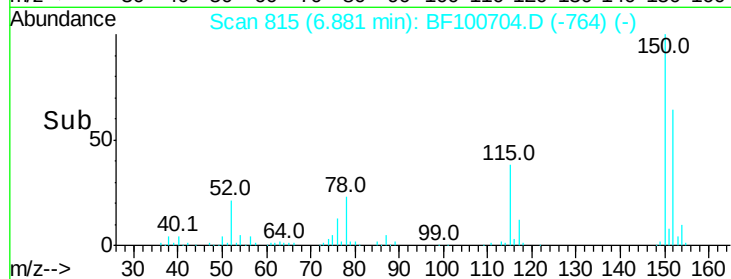
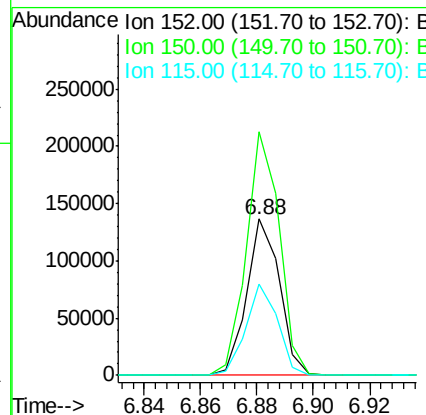
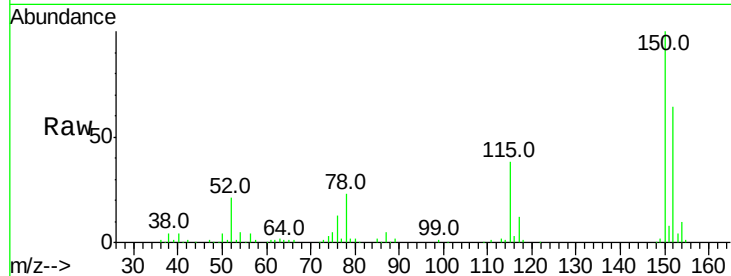


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. -0.00 min  
Lab File: BF100704.D  
Acq: 18 Nov 2017 5:05

Instrument :  
BNA\_F  
ClientSampleId :  
HL-12A

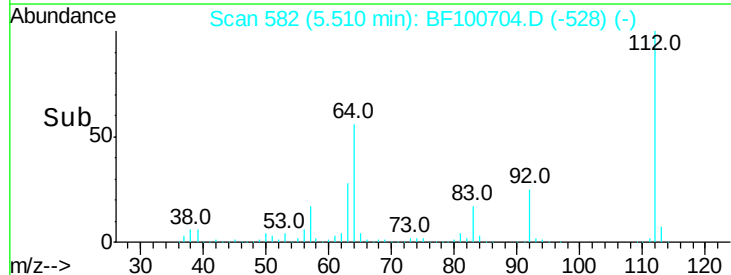
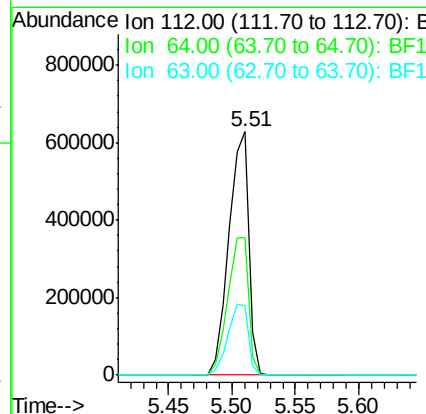
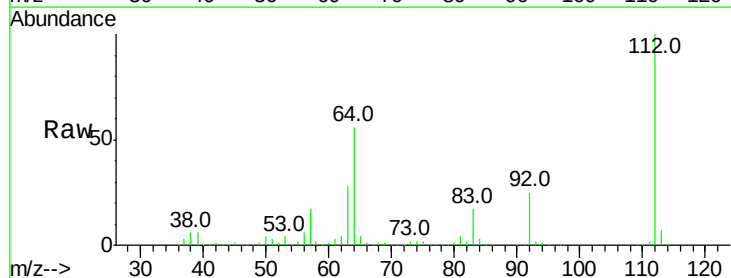
Tot Ion:152 Resp: 109934  
Ion Ratio Lower Upper  
152 100  
150 155.9 124.6 186.8  
115 58.8 50.1 75.1

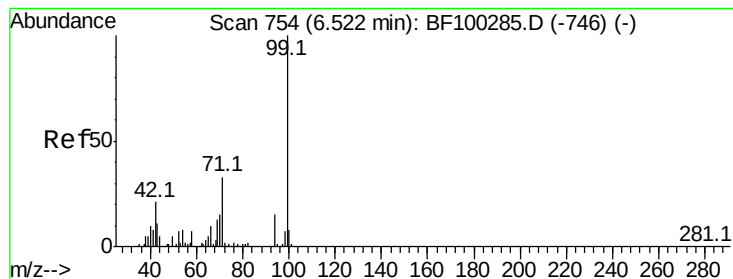


#5

2-Fluorophenol  
Concen: 99.786 ng  
RT: 5.51 min Scan# 582  
Delta R.T. 0.02 min  
Lab File: BF100704.D  
Acq: 18 Nov 2017 5:05

Tgt Ion:112 Resp: 684338  
Ion Ratio Lower Upper  
112 100  
64 56.4 47.9 71.9  
63 28.3 23.7 35.5





#7

Phenol-d6

Concen: 96.953 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

Instrument :

BNA\_F

ClientSampleId :

HL-12A

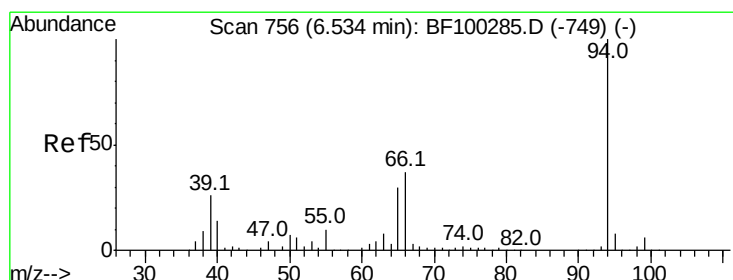
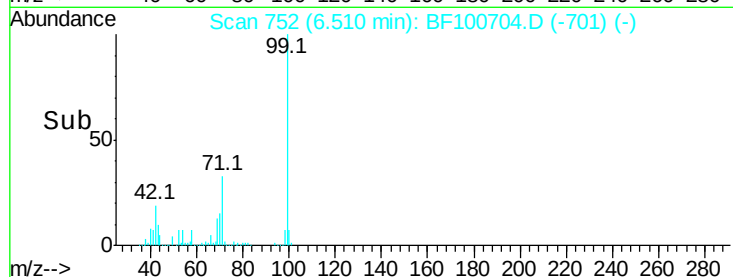
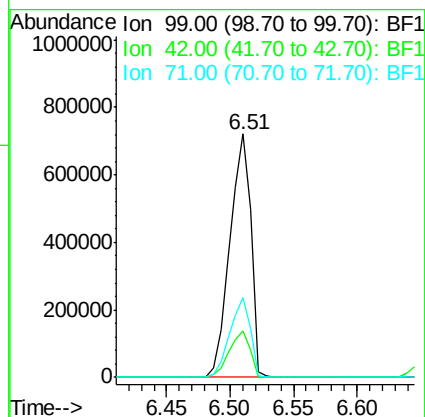
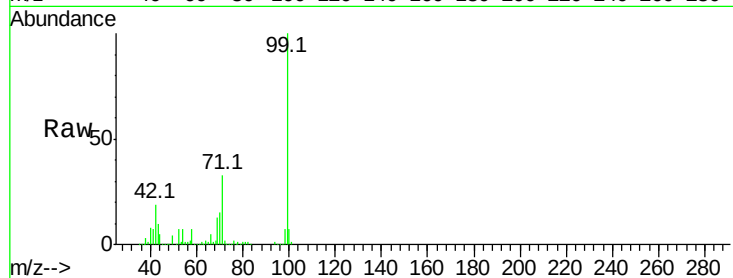
Tot Ion: 99 Resp: 819924

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 32.8 25.4 38.0



#10

Phenol

Concen: 3.203 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

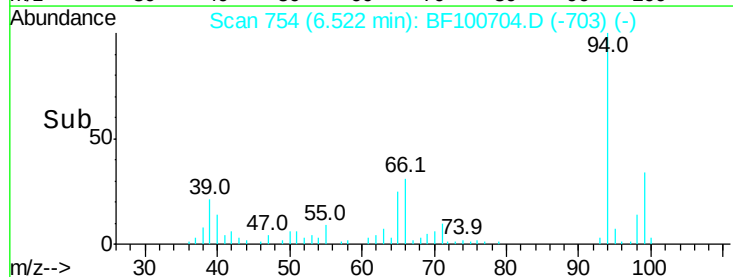
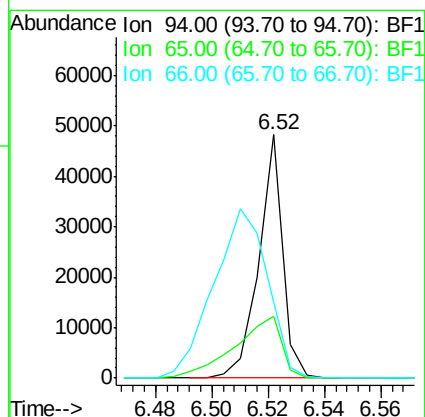
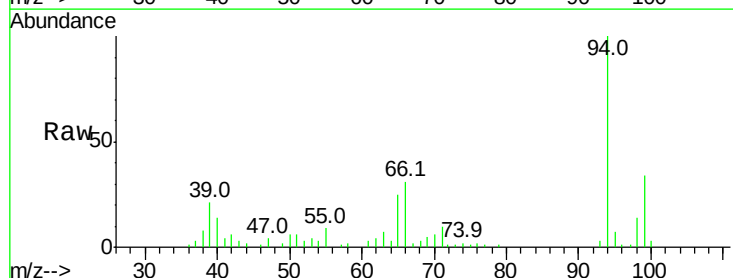
Tgt Ion: 94 Resp: 28438

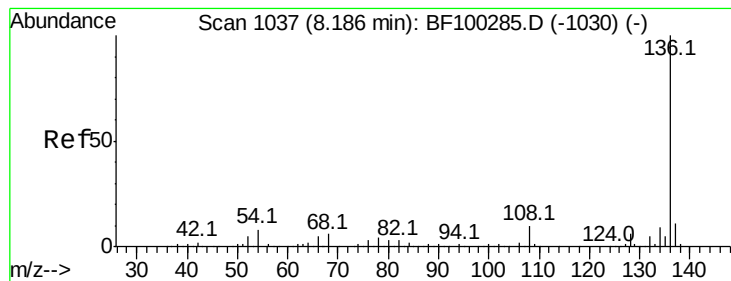
Ion Ratio Lower Upper

94 100

65 25.1 7.9 47.9

66 31.0 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

Instrument :

BNA\_F

ClientSampleId :

HL-12A

Tot Ion:136 Resp: 405927

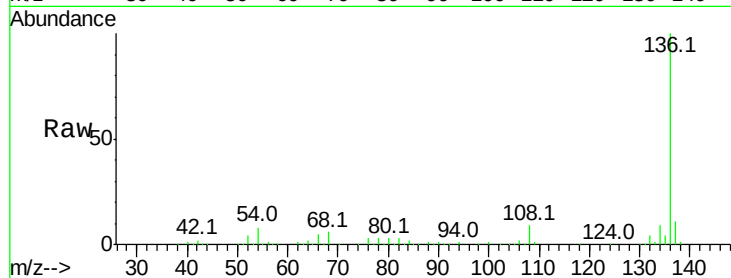
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 8.1 6.6 9.8

68 5.5 5.0 7.4

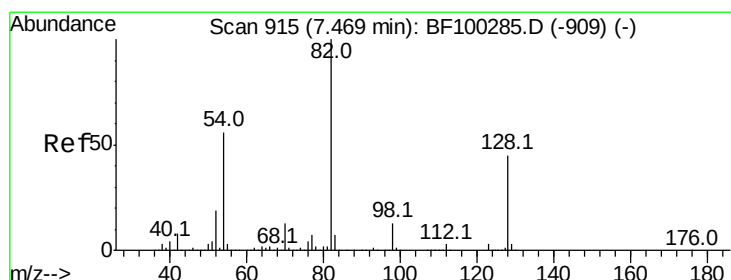
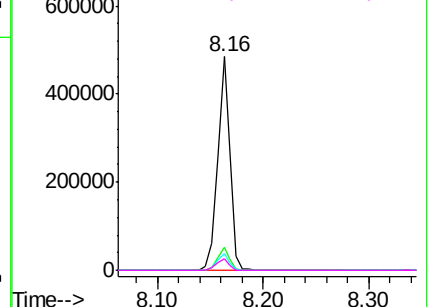
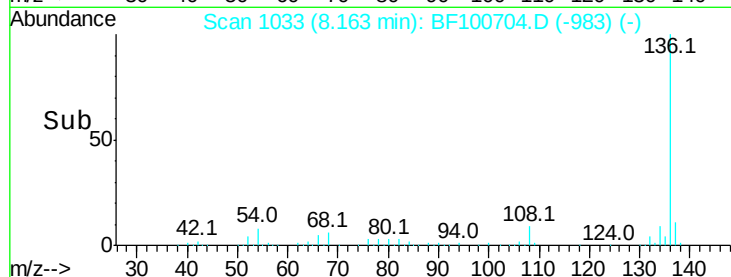


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 81.020 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

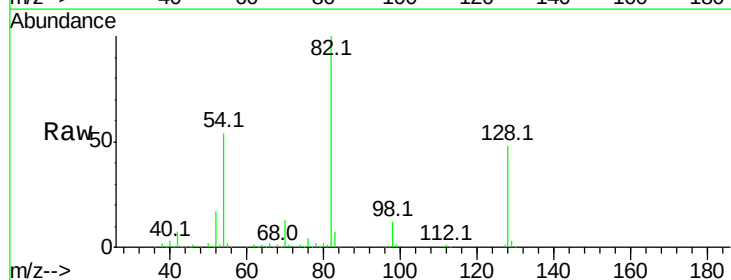
Tgt Ion: 82 Resp: 497453

Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

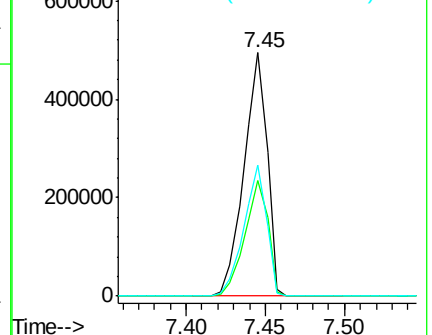
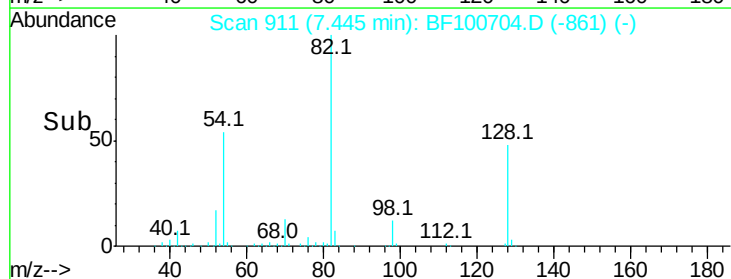
54 53.8 41.4 62.2

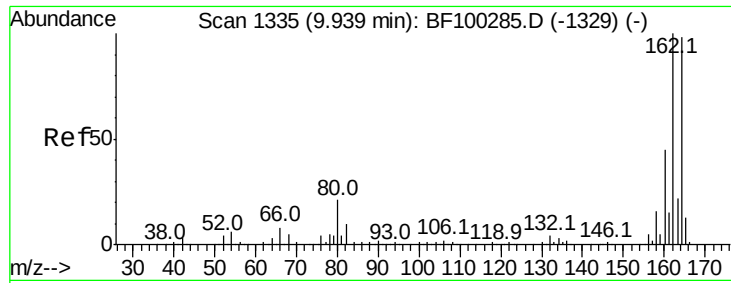


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

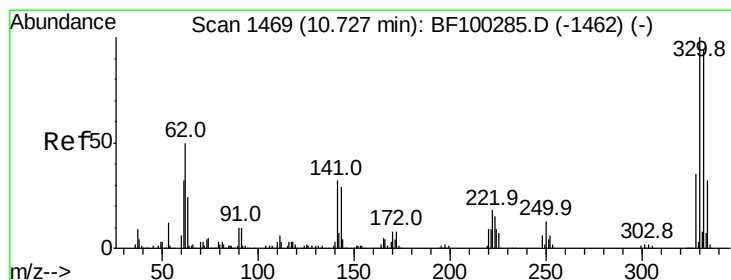
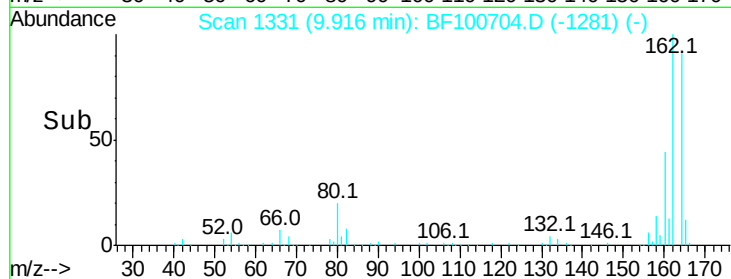
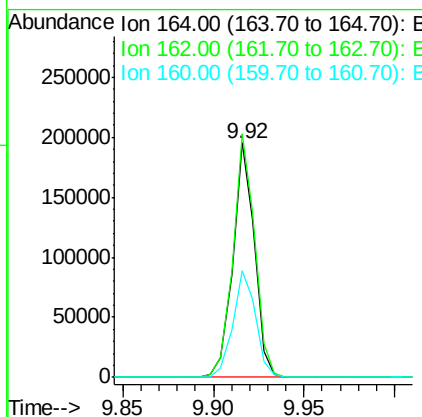
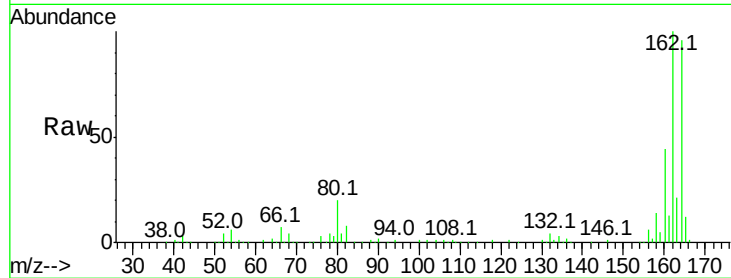




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.01 min  
 Lab File: BF100704.D  
 Acq: 18 Nov 2017 5:05

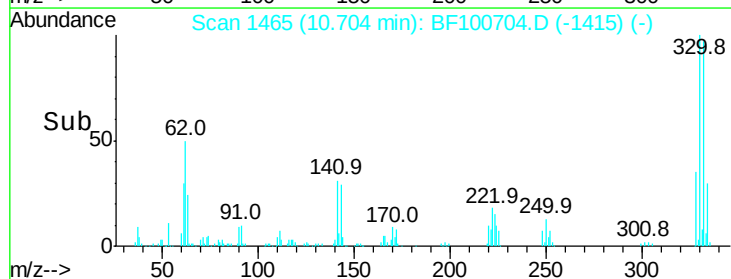
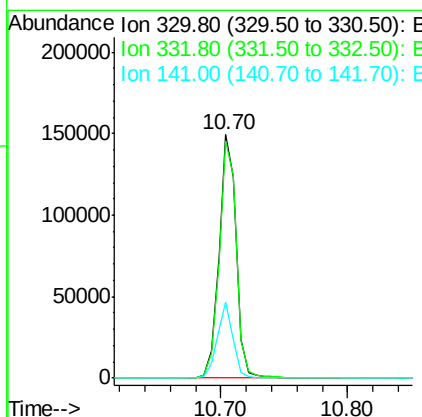
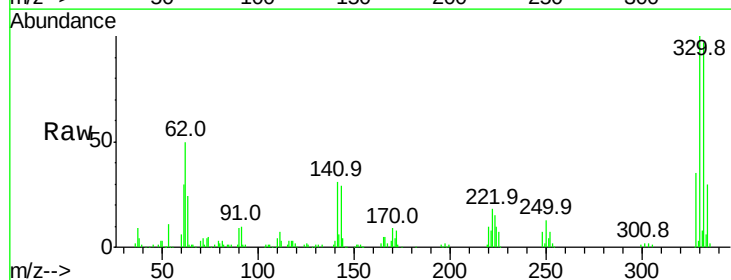
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HL-12A

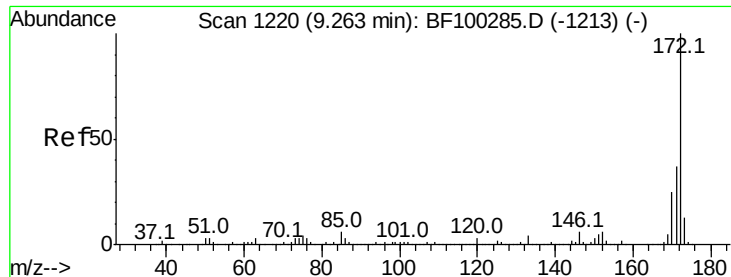
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.0 | 86.1  | 129.1 |
| 160     | 45.4  | 38.3  | 57.5  |



#41  
 2,4,6-Tribromophenol  
 Concen: 86.116 ng  
 RT: 10.70 min Scan# 1465  
 Delta R.T. -0.01 min  
 Lab File: BF100704.D  
 Acq: 18 Nov 2017 5:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 77.0  | 115.6 |
| 141     | 28.9  | 29.9  | 44.9# |

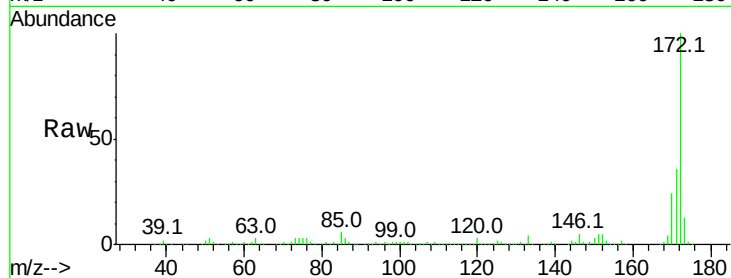




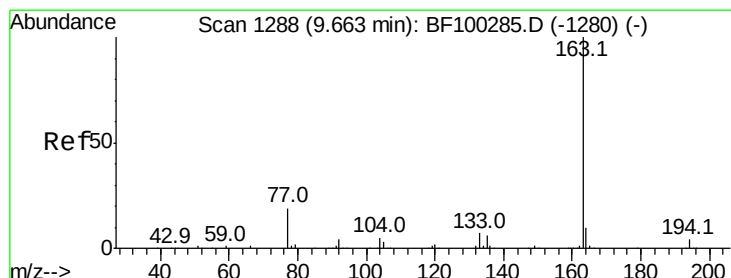
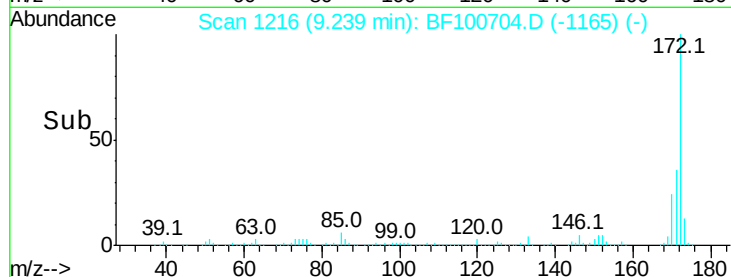
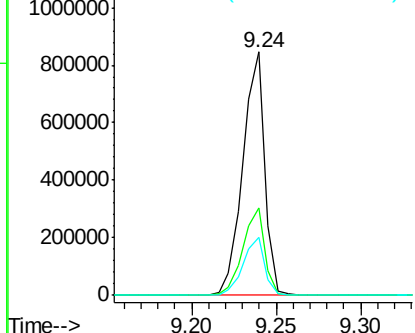
#44  
2-Fluorobiphenyl  
Concen: 72.965 ng  
RT: 9.24 min Scan# 1216  
Delta R.T. -0.00 min  
Lab File: BF100704.D  
Acq: 18 Nov 2017 5:05

Instrument :  
BNA\_F  
ClientSampled :  
HL-12A

Tot Ion:172 Resp: 770510  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.7 44.5  
170 24.0 19.6 29.4

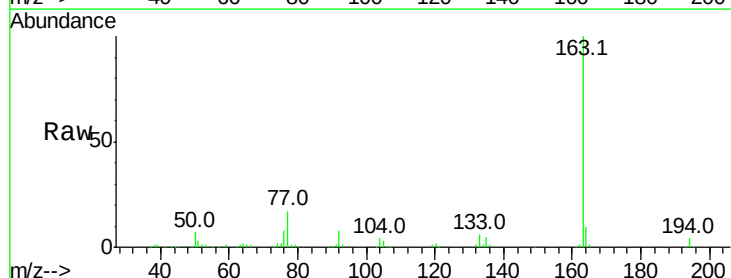


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

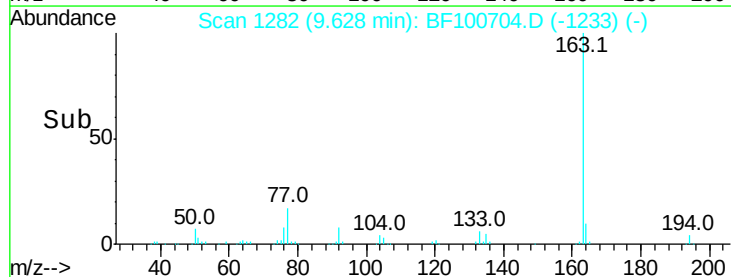
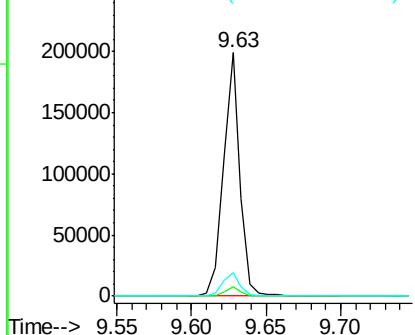


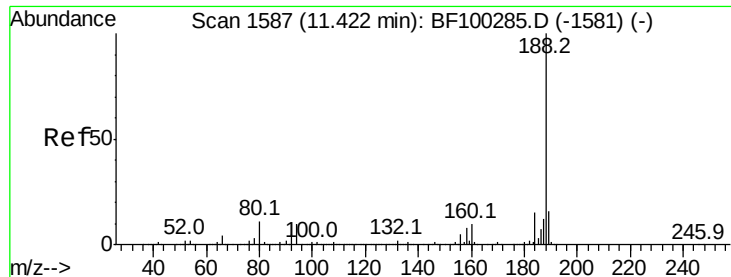
#49  
Dimethylphthalate  
Concen: 12.623 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: BF100704.D  
Acq: 18 Nov 2017 5:05

Tgt Ion:163 Resp: 154975  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.7 4.1  
164 9.8 8.2 12.2



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

Instrument :

BNA\_F

ClientSampleId :

HL-12A

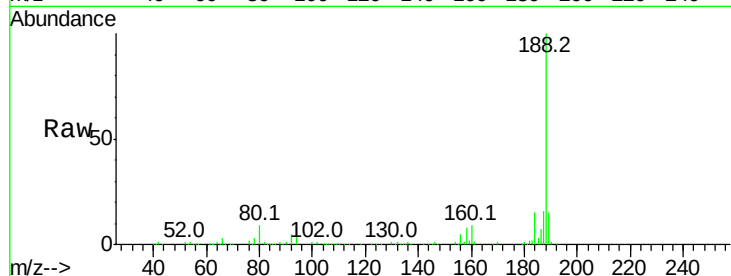
Tot Ion:188 Resp: 243943

Ion Ratio Lower Upper

188 100

94 8.1 8.5 12.7#

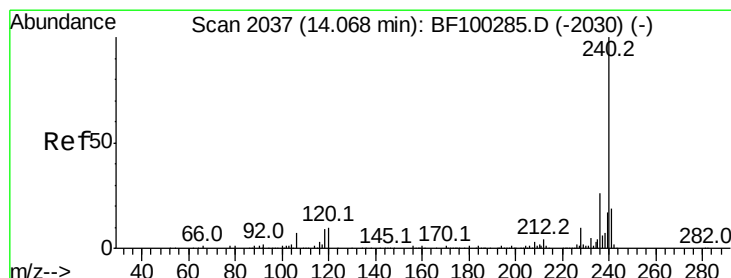
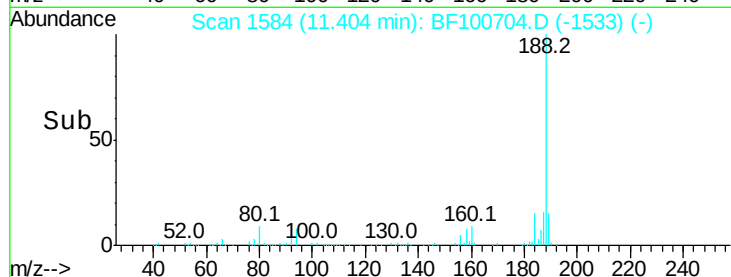
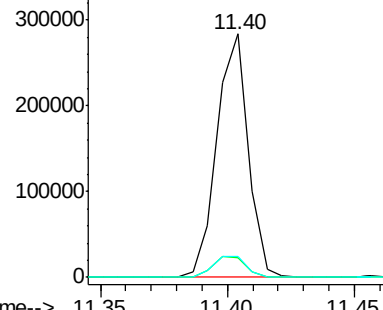
80 8.5 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100704.D

Acq: 18 Nov 2017 5:05

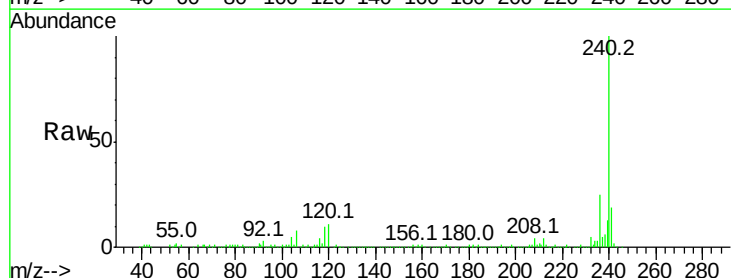
Tgt Ion:240 Resp: 240565

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

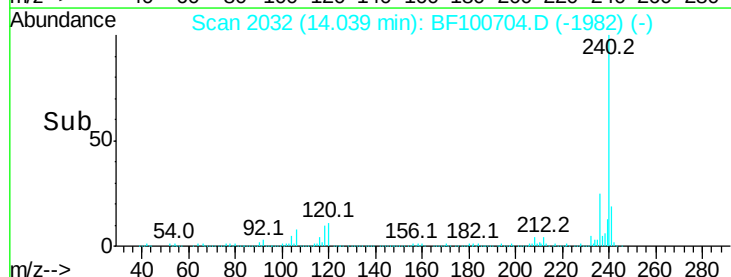
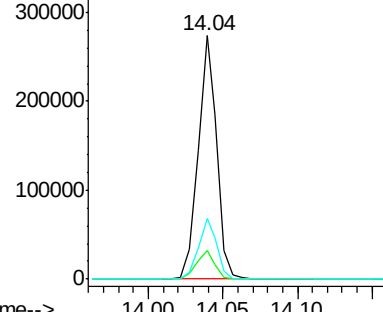
236 25.1 20.7 31.1



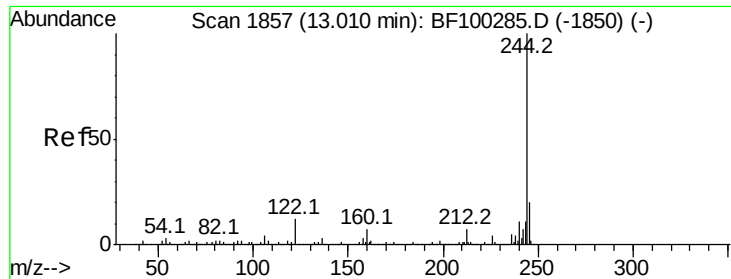
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



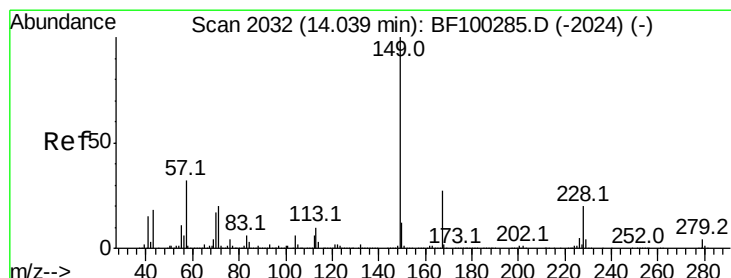
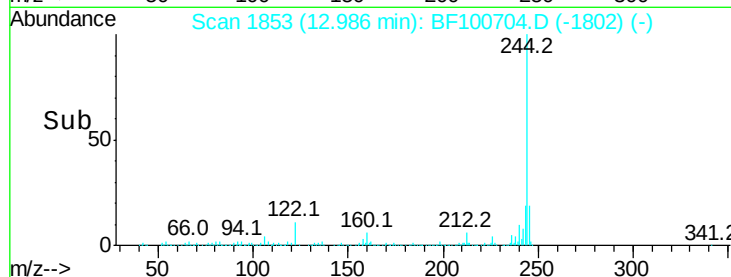
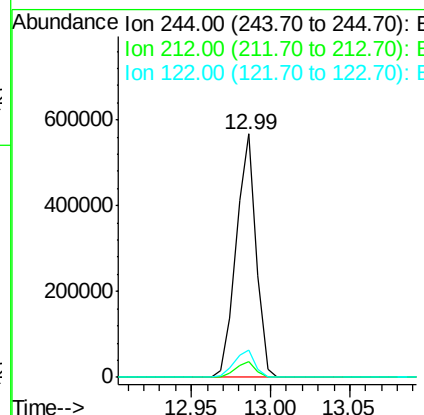
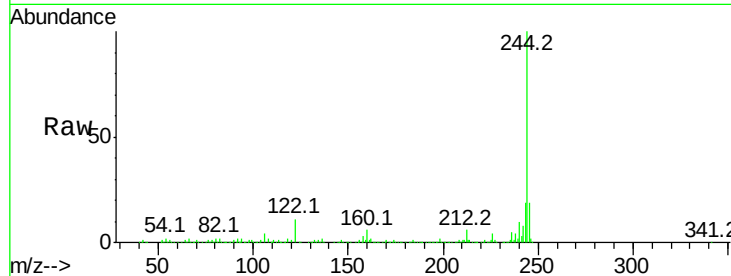




#78  
 Terphenyl-d14  
 Concen: 47.122 ng  
 RT: 12.99 min Scan# 1853  
 Delta R.T. -0.00 min  
 Lab File: BF100704.D  
 Acq: 18 Nov 2017 5:05

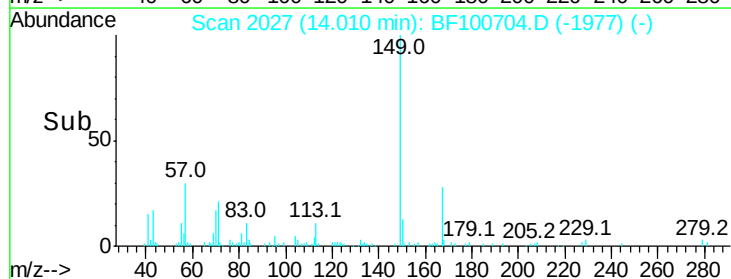
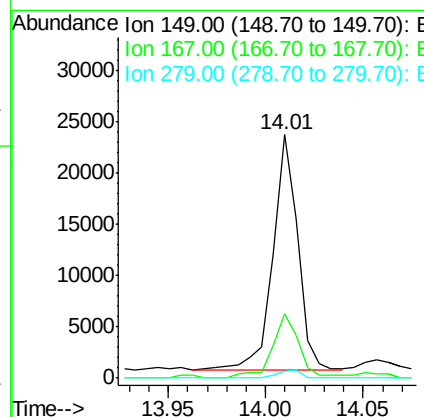
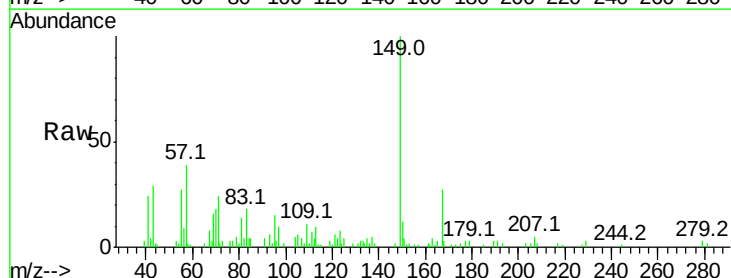
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HL-12A

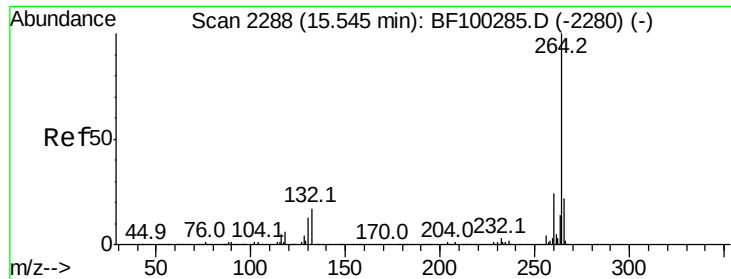
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.4   | 5.4   | 8.0   |
| 122     | 11.0  | 11.0  | 16.4  |



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.190 ng  
 RT: 14.01 min Scan# 2027  
 Delta R.T. -0.01 min  
 Lab File: BF100704.D  
 Acq: 18 Nov 2017 5:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.6  | 21.3  | 31.9  |
| 279     | 3.0   | 3.0   | 4.4   |





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.52 min Scan# 2283  
Delta R.T. -0.00 min  
Lab File: BF100704.D  
Acq: 18 Nov 2017 5:05

Instrument :  
BNA\_F  
ClientSampleId :  
HL-12A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.2  | 28.8  |
| 265     | 21.0  | 17.5  | 26.3  |

