

Data Path : Z:\HPCHEM1\BNA F\Data\BF112916\  
 Data File : BF091328.D  
 Acq On : 29 Nov 2016 15:44  
 Operator : UM/SJ  
 Sample : PB94895BL  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 29 16:25:35 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 29 13:33:46 2016  
 Response via : Initial Calibration

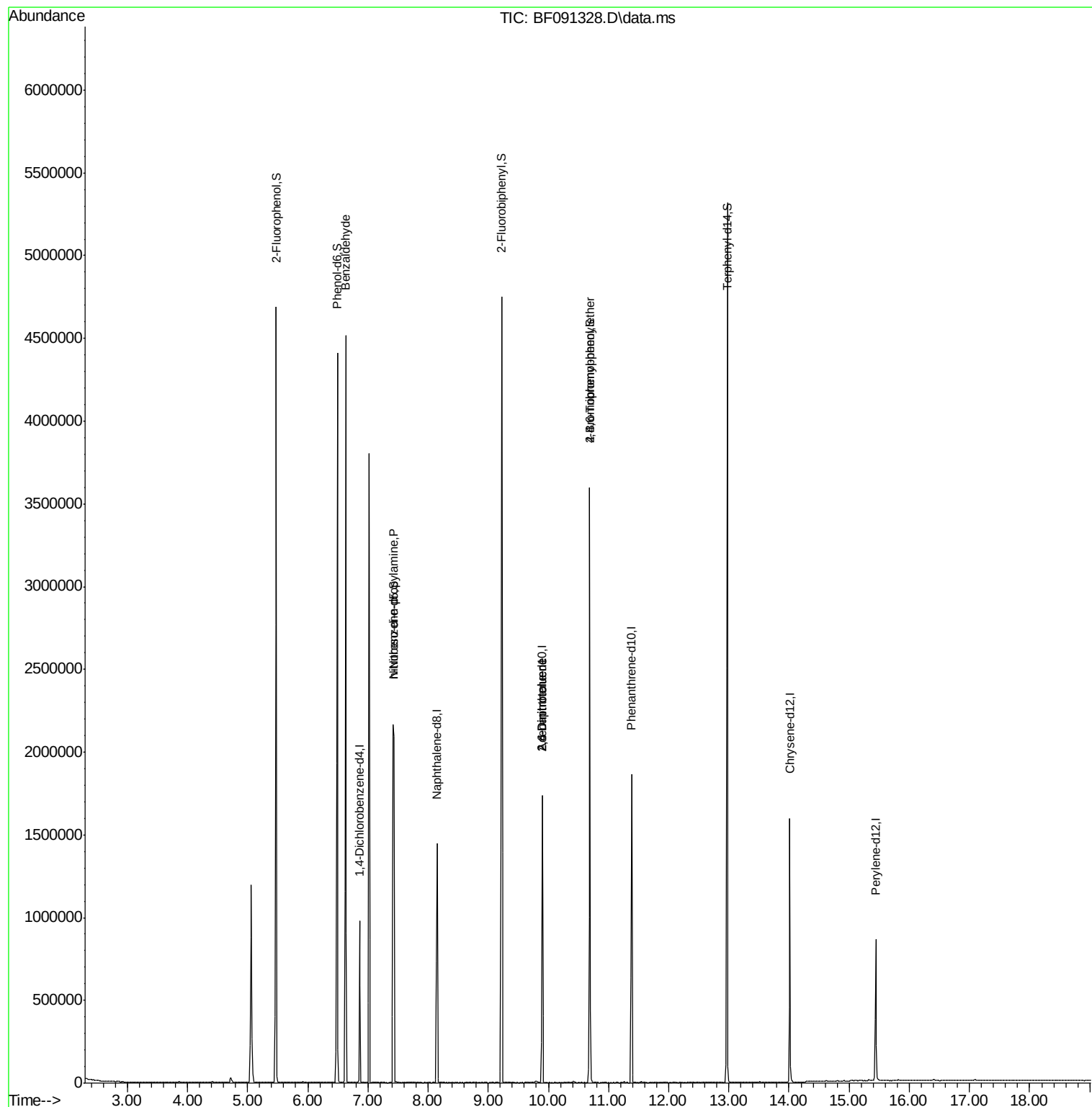
| Internal Standards            | R.T.   | QIon | Response | Conc   | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4     | 6.859  | 152  | 173196   | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8            | 8.150  | 136  | 741020   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10          | 9.899  | 164  | 396239   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10          | 11.385 | 188  | 732168   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12              | 14.014 | 240  | 569805   | 20.00  | ng    | -0.03     |
| 86) Perylene-d12              | 15.443 | 264  | 402780   | 20.00  | ng    | -0.03     |
| System Monitoring Compounds   |        |      |          |        |       |           |
| 5) 2-Fluorophenol             | 5.476  | 112  | 1357204  | 128.01 | ng    | 0.00      |
| 7) Phenol-d6                  | 6.493  | 99   | 1478828  | 113.31 | ng    | 0.00      |
| 23) Nitrobenzene-d5           | 7.419  | 82   | 1025671  | 77.57  | ng    | -0.03     |
| 41) 2,4,6-Tribromophenol      | 10.688 | 330  | 416230   | 110.96 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl          | 9.225  | 172  | 1780736  | 81.37  | ng    | -0.02     |
| 78) Terphenyl-d14             | 12.974 | 244  | 1872576  | 71.43  | ng    | -0.02     |
| Target Compounds              |        |      |          |        |       |           |
| 9) Benzaldehyde               | 6.630  | 77   | 29851    | 3.56   | ng    | Qvalue 84 |
| 19) n-Nitroso-di-n-propyla... | 7.419  | 70   | 139174   | 16.93  | ng    | # 77      |
| 50) 2,6-Dinitrotoluene        | 9.899  | 165  | 51146    | 9.54   | ng    | # 16      |
| 56) 2,4-Dinitrotoluene        | 9.899  | 165  | 51148    | 7.35   | ng    | # 33      |
| 66) 4-Bromophenyl-phenylether | 10.688 | 248  | 26788    | 3.40   | ng    | # 1       |

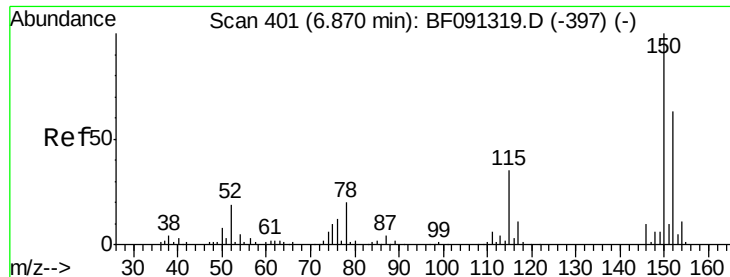
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF112916\  
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M  
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QLast Update : Tue Nov 29 13:33:46 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.859 min Scan# 401

Delta R.T. -0.017 min

Lab File: BF091328.D

Acq: 29 Nov 2016 15:44

Instrument :

BNA\_F

ClientSampleId :

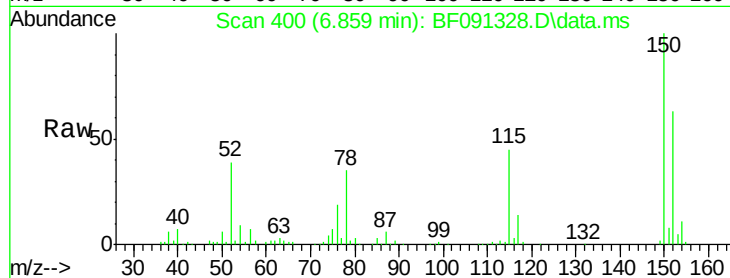
Tot Ion:152 Resp: 173196

Ion Ratio Lower Upper

152 100

150 159.2 122.5 183.7

115 72.1 51.8 77.8



Abundance

200000

150000

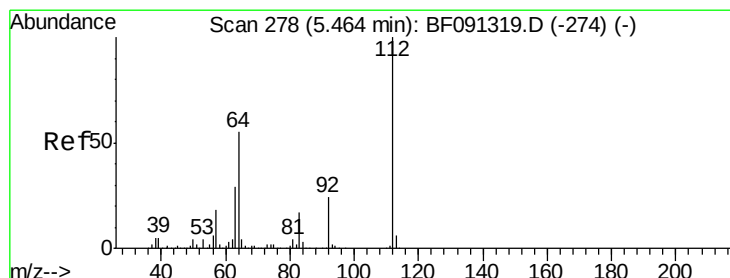
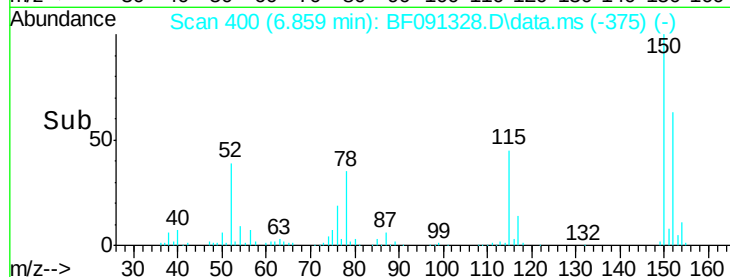
100000

50000

0

6.859

Time-->



#5

2-Fluorophenol

Concen: 128.01 ng

RT: 5.476 min Scan# 279

Delta R.T. 0.007 min

Lab File: BF091328.D

Acq: 29 Nov 2016 15:44

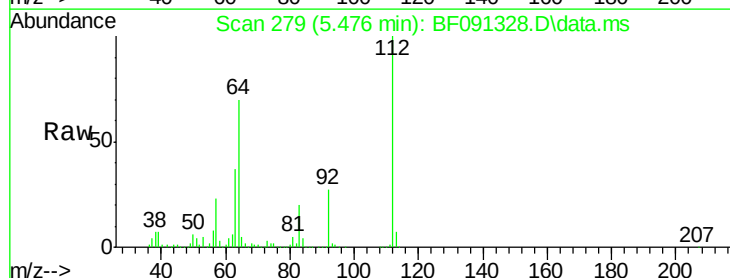
Tgt Ion:112 Resp: 1357204

Ion Ratio Lower Upper

112 100

64 70.0 61.5 92.3

63 37.5 33.3 49.9



Abundance

1200000

1000000

800000

600000

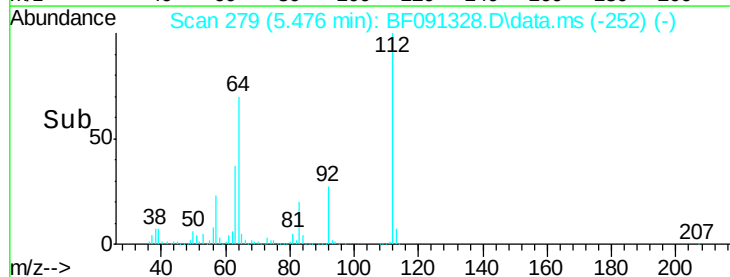
400000

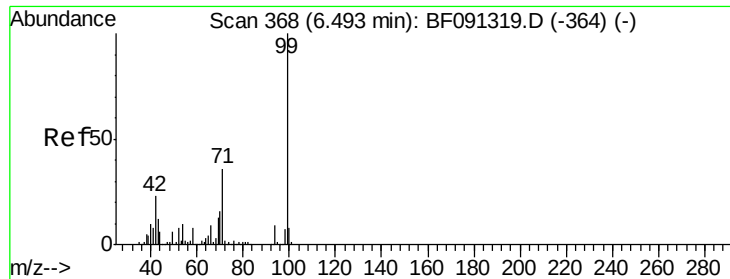
200000

0

5.476

Time-->





#7

Phenol-d6

Concen: 113.31 ng

RT: 6.493 min Scan# 36

Delta R.T. -0.006 min

Lab File: BF091328.D

Acq: 29 Nov 2016 15:44

Instrument :

BNA\_F

ClientSampled :

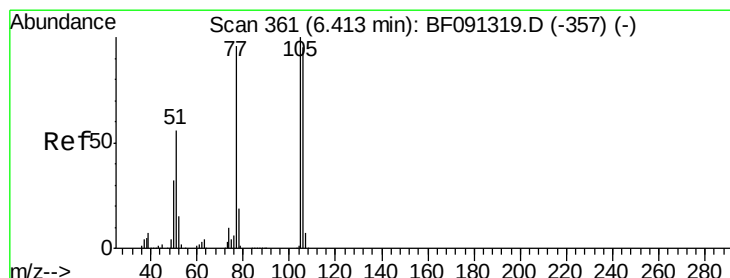
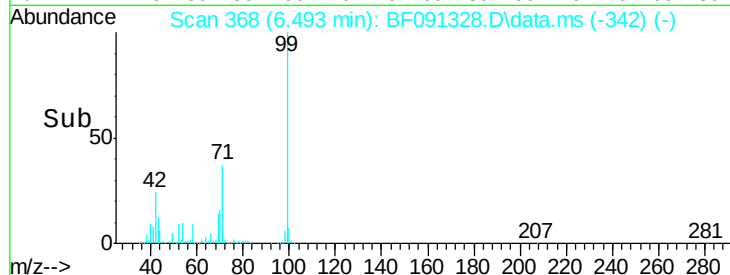
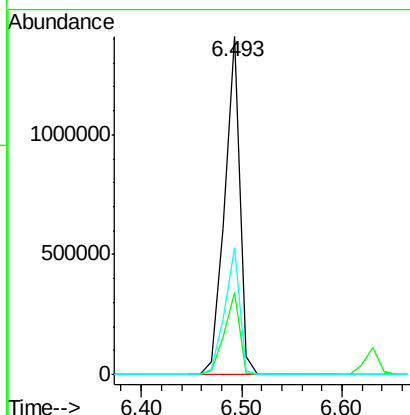
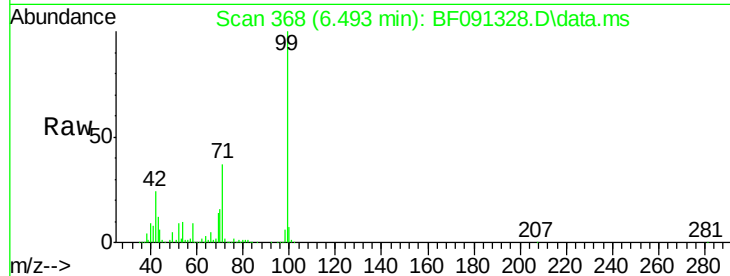
Tot Ion: 99 Resp: 1478828

Ion Ratio Lower Upper

99 100

42 24.3 20.6 31.0

71 37.4 29.9 44.9



#9

Benzaldehyde

Concen: 3.56 ng

RT: 6.630 min Scan# 380

Delta R.T. 0.212 min

Lab File: BF091328.D

Acq: 29 Nov 2016 15:44

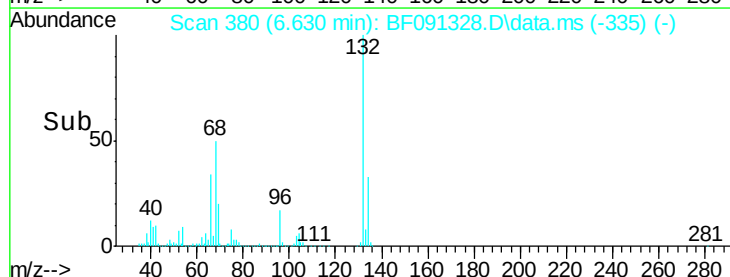
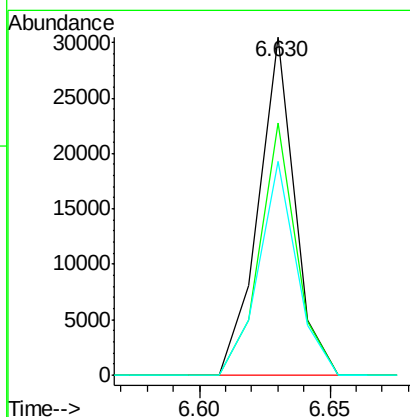
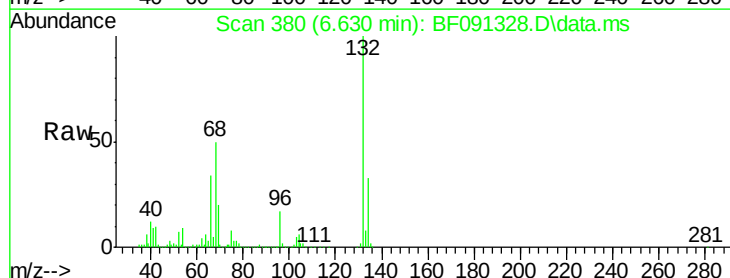
Tgt Ion: 77 Resp: 29851

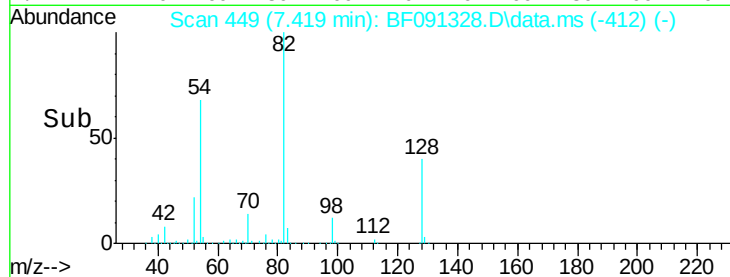
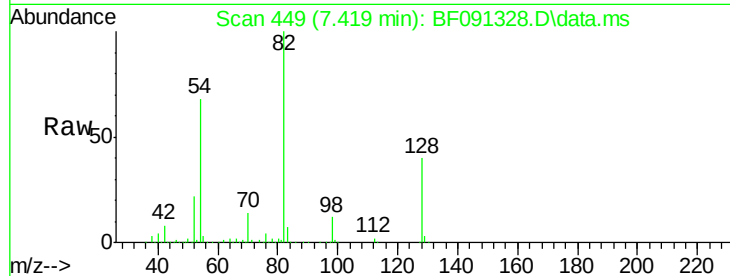
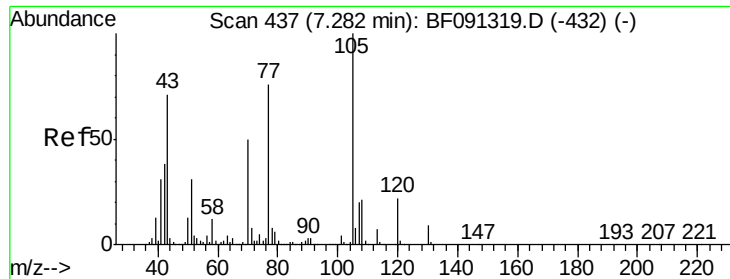
Ion Ratio Lower Upper

77 100

105 74.5 66.4 106.4

106 63.3 60.9 100.9

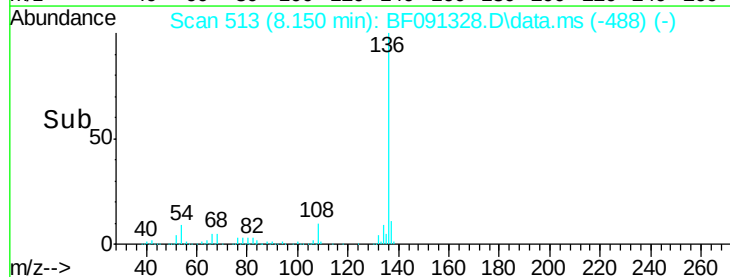
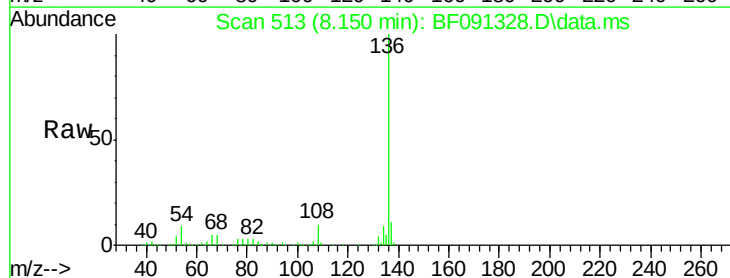
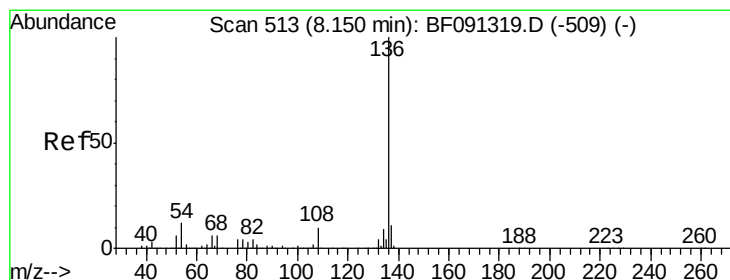
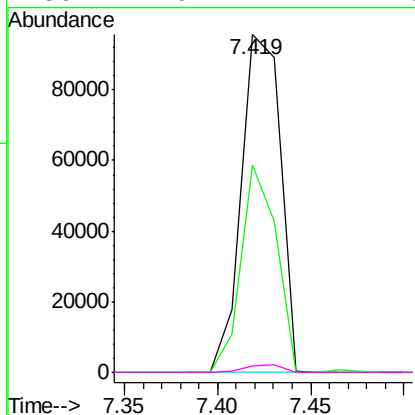




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.93 ng  
RT: 7.419 min Scan# 44  
Delta R.T. 0.120 min  
Lab File: BF091328.D  
Acq: 29 Nov 2016 15:44

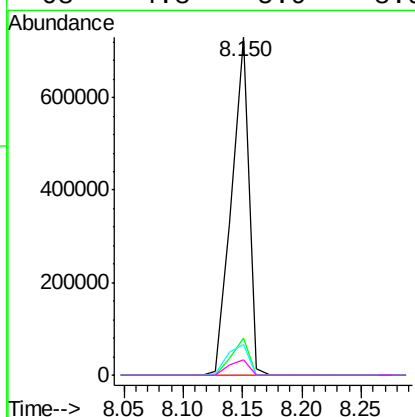
Instrument :  
BNA\_F  
ClientSampleId :

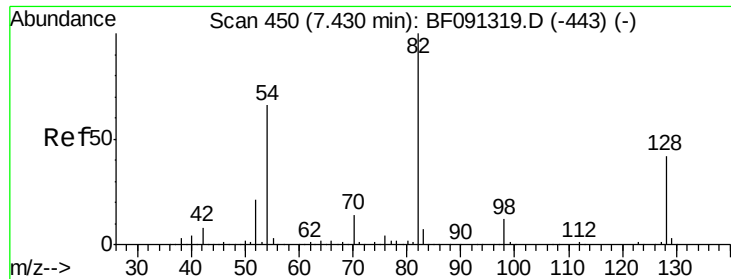
Tot Ion: 70 Resp: 139174  
Ion Ratio Lower Upper  
70 100  
42 61.3 64.8 97.2#  
101 0.0 6.2 9.4#  
130 1.9 11.7 17.5#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.150 min Scan# 513  
Delta R.T. -0.017 min  
Lab File: BF091328.D  
Acq: 29 Nov 2016 15:44

Tgt Ion: 136 Resp: 741020  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.1 13.7  
54 9.3 9.1 13.7  
68 4.8 5.9 8.9#

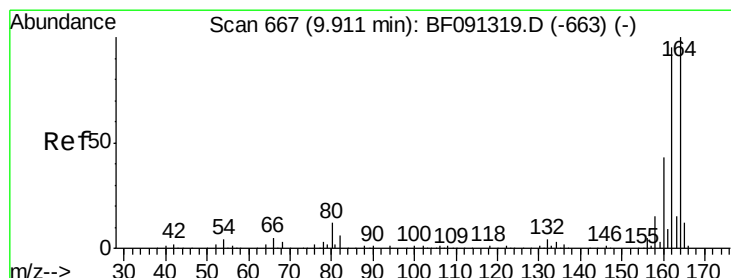
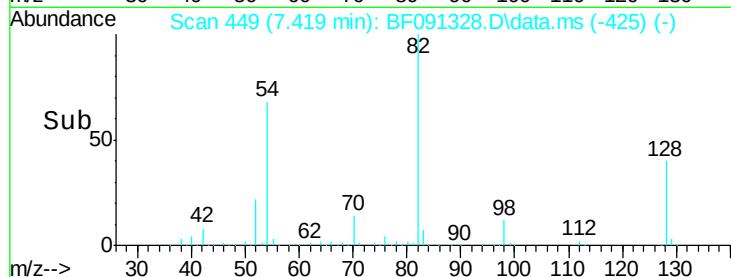
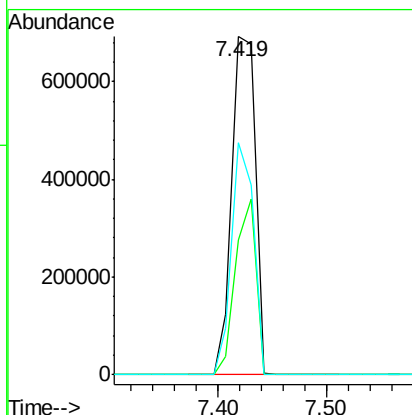
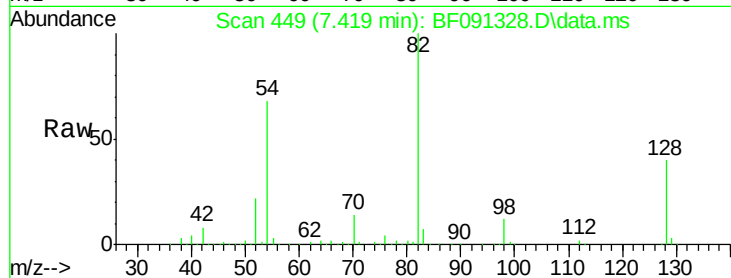




#23  
 Nitrobenzene-d5  
 Concen: 77.57 ng  
 RT: 7.419 min Scan# 44  
 Delta R.T. -0.028 min  
 Lab File: BF091328.D  
 Acq: 29 Nov 2016 15:44

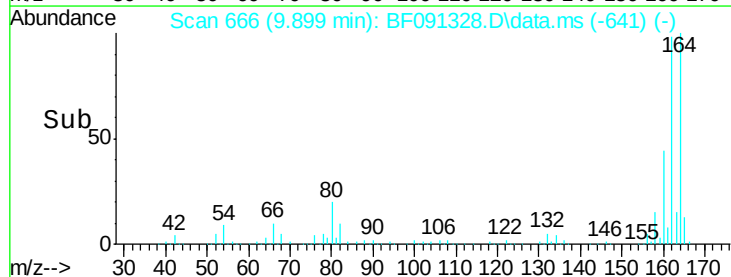
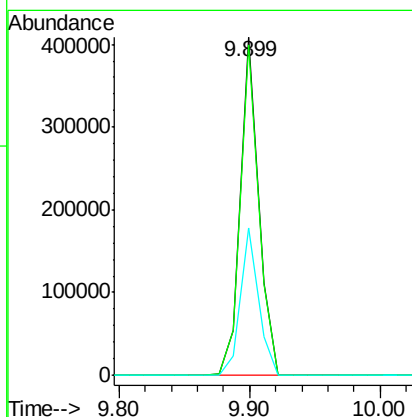
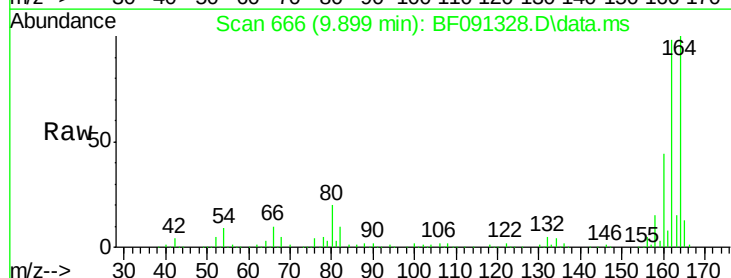
Instrument :  
 BNA\_F  
 ClientSampleId :

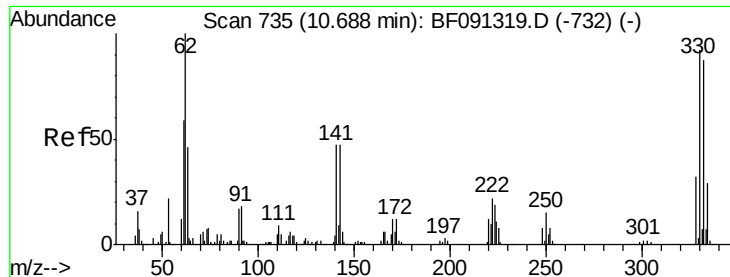
Tot Ion: 82 Resp: 1025671  
 Ion Ratio Lower Upper  
 82 100  
 128 39.9 31.8 47.6  
 54 68.5 49.1 73.7



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.899 min Scan# 666  
 Delta R.T. -0.017 min  
 Lab File: BF091328.D  
 Acq: 29 Nov 2016 15:44

Tgt Ion: 164 Resp: 396239  
 Ion Ratio Lower Upper  
 164 100  
 162 97.8 82.6 124.0  
 160 43.6 36.7 55.1

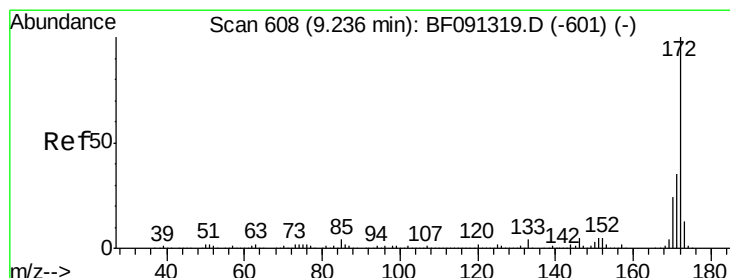
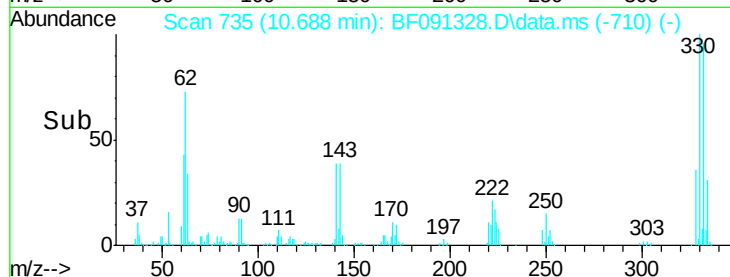
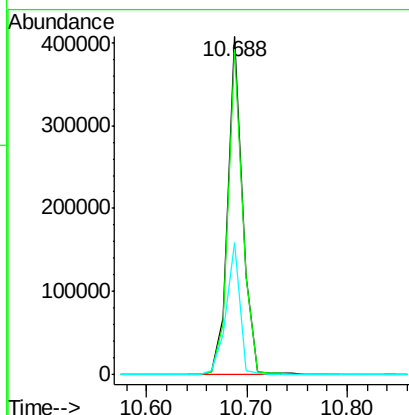
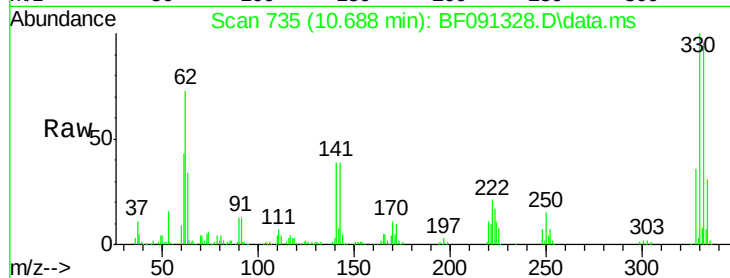




#41  
 2,4,6-Tribromophenol  
 Concen: 110.96 ng  
 RT: 10.688 min Scan# 73  
 Delta R.T. -0.017 min  
 Lab File: BF091328.D  
 Acq: 29 Nov 2016 15:44

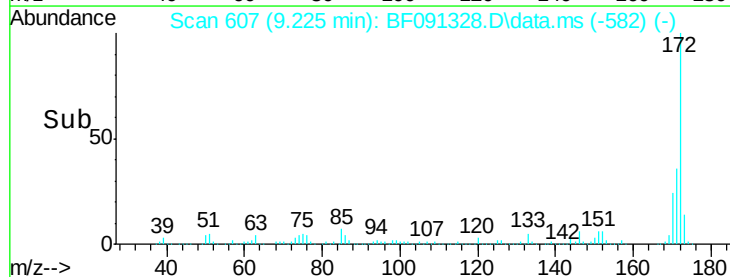
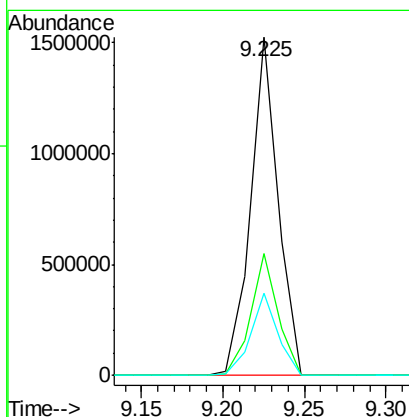
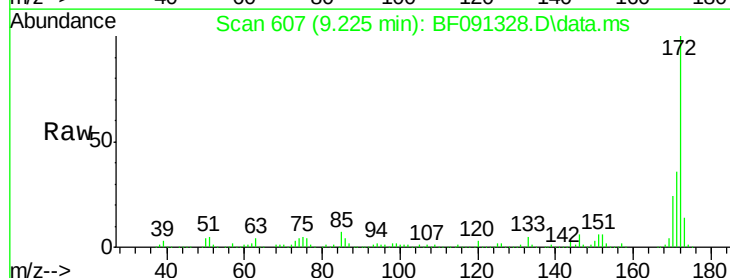
Instrument :  
 BNA\_F  
 ClientSampleId :

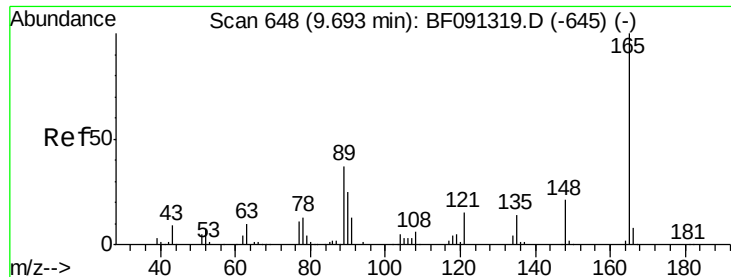
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 76.2  | 114.4 |
| 141     | 36.0  | 33.6  | 50.4  |



#44  
 2-Fluorobiphenyl  
 Concen: 81.37 ng  
 RT: 9.225 min Scan# 607  
 Delta R.T. -0.016 min  
 Lab File: BF091328.D  
 Acq: 29 Nov 2016 15:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.4  | 44.0  |
| 170     | 24.3  | 19.7  | 29.5  |

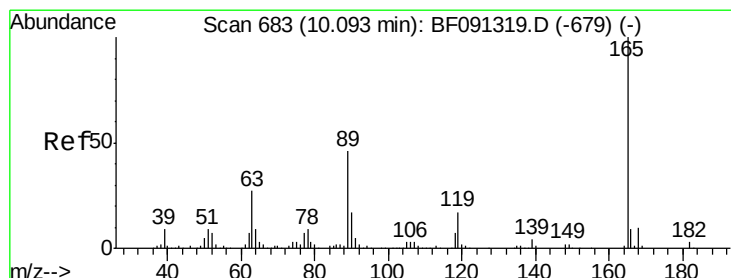
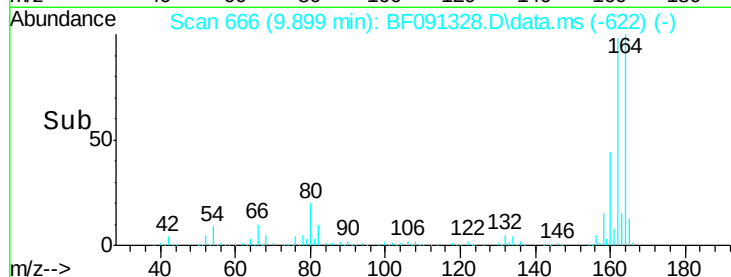
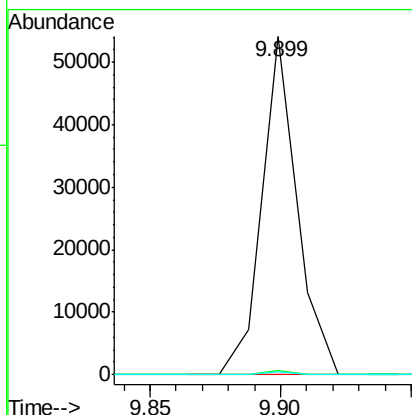
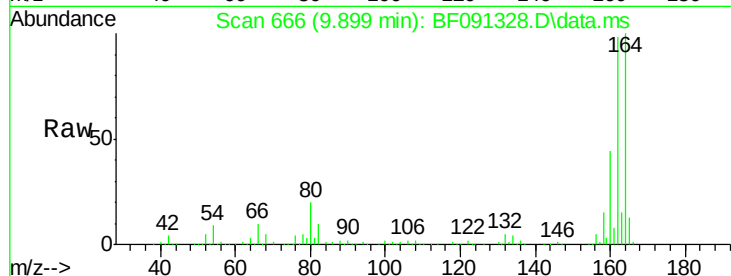




#50  
2,6-Dinitrotoluene  
Concen: 9.54 ng  
RT: 9.899 min Scan# 666  
Delta R.T. 0.200 min  
Lab File: BF091328.D  
Acq: 29 Nov 2016 15:44

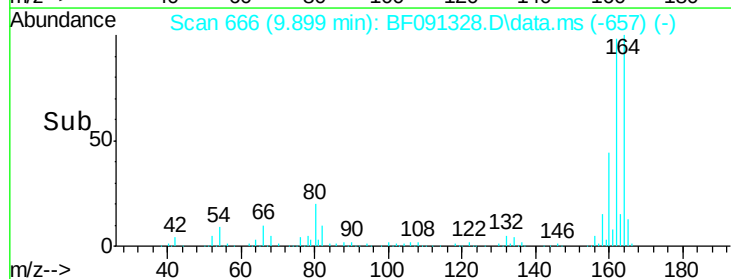
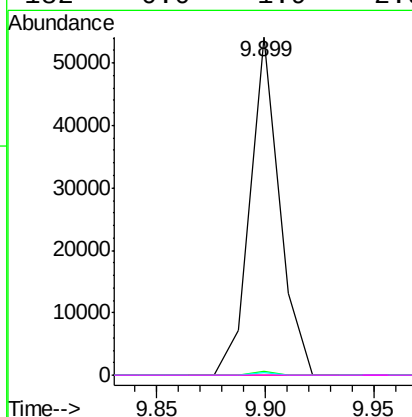
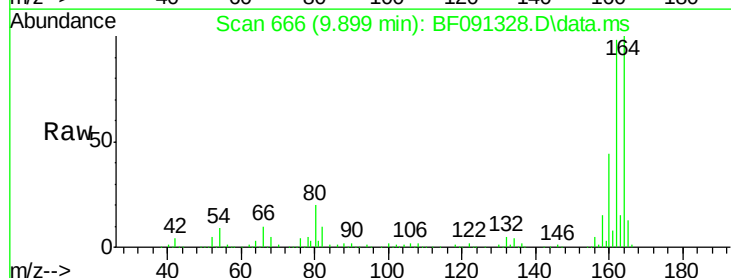
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:165 Resp: 51146  
Ion Ratio Lower Upper  
165 100  
63 1.2 59.4 89.0#  
89 1.0 50.8 76.2#

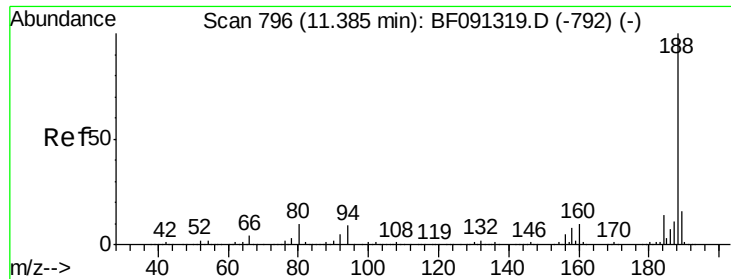


#56  
2,4-Dinitrotoluene  
Concen: 7.35 ng  
RT: 9.899 min Scan# 666  
Delta R.T. -0.200 min  
Lab File: BF091328.D  
Acq: 29 Nov 2016 15:44

Tgt Ion:165 Resp: 51148  
Ion Ratio Lower Upper  
165 100  
63 1.2 29.0 43.4#  
89 1.0 43.1 64.7#  
182 0.0 1.9 2.9#



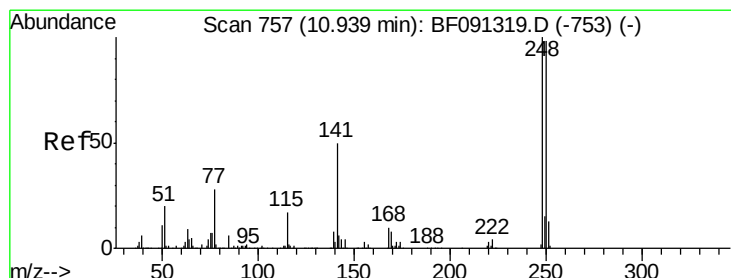
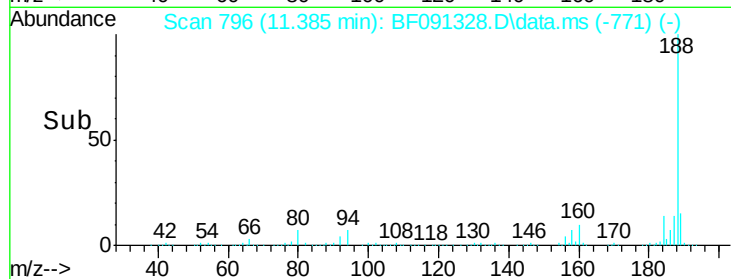
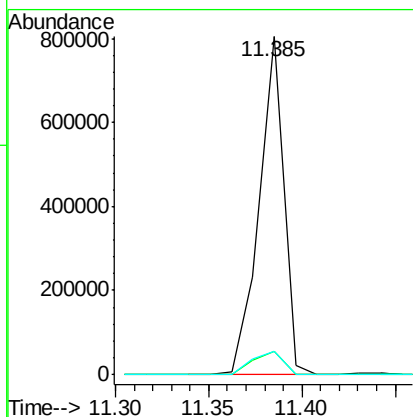
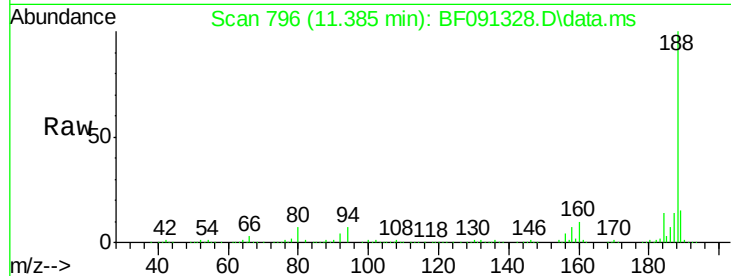




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.385 min Scan# 79  
 Delta R.T. -0.017 min  
 Lab File: BF091328.D  
 Acq: 29 Nov 2016 15:44

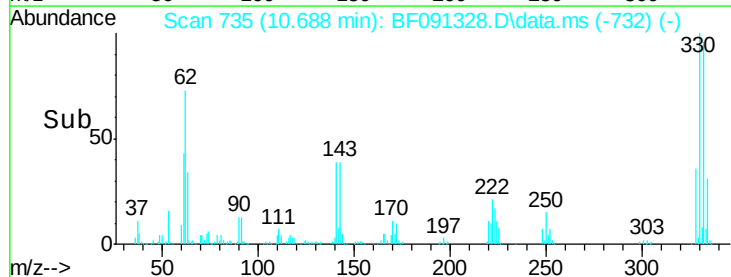
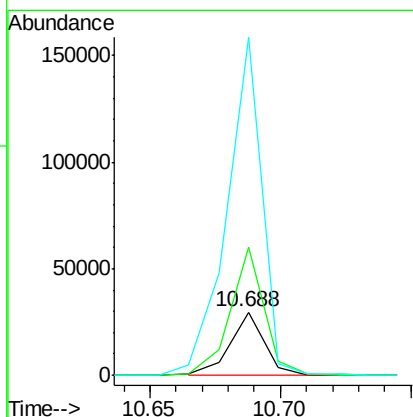
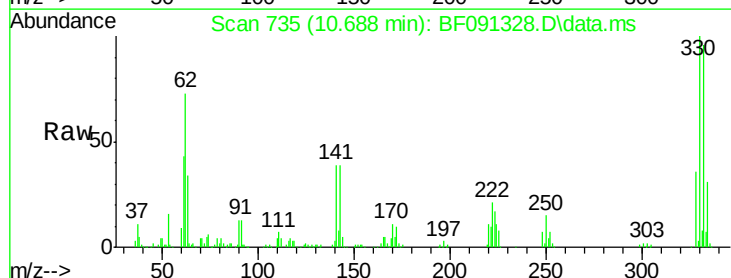
Instrument :  
 BNA\_F  
 ClientSampleId :

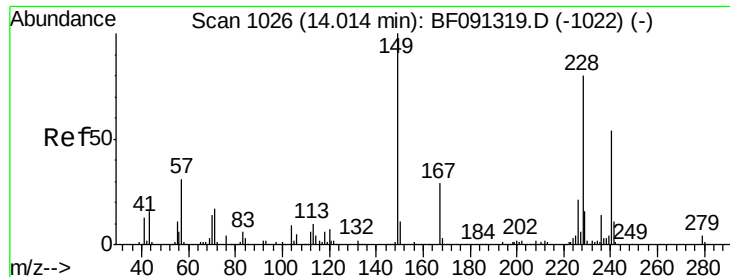
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.9   | 9.2   | 13.8# |
| 80      | 7.0   | 10.5  | 15.7# |



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.40 ng  
 RT: 10.688 min Scan# 735  
 Delta R.T. -0.268 min  
 Lab File: BF091328.D  
 Acq: 29 Nov 2016 15:44

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 202.9 | 78.2  | 117.4# |
| 141     | 537.0 | 71.9  | 107.9# |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.014 min Scan# 10

Delta R.T. -0.028 min

Lab File: BF091328.D

Acq: 29 Nov 2016 15:44

Instrument :

BNA\_F

ClientSampleId :

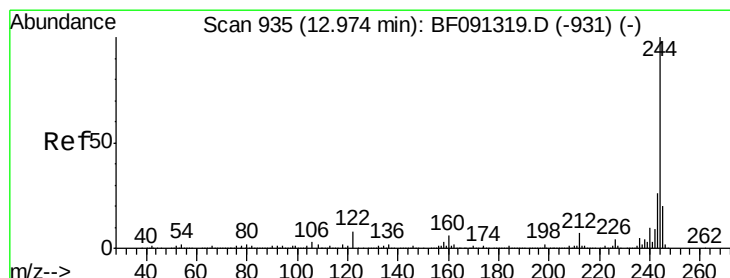
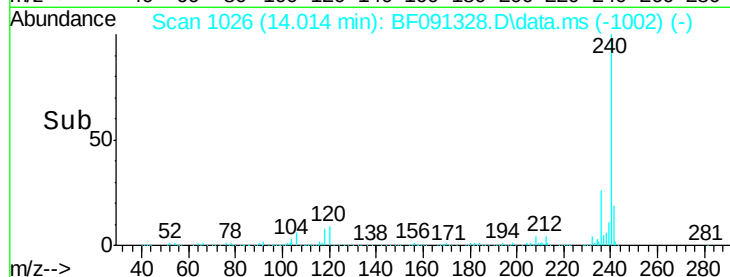
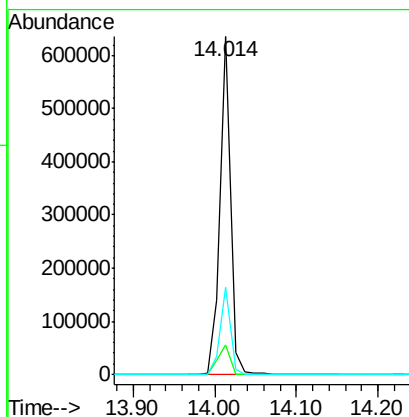
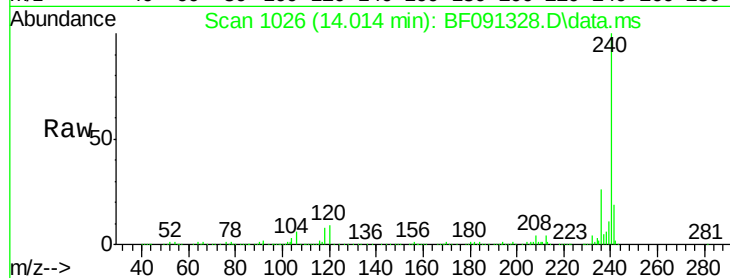
Tot Ion:240 Resp: 569805

Ion Ratio Lower Upper

240 100

120 8.6 12.1 18.1#

236 25.7 21.0 31.6



#78

Terphenyl-d14

Concen: 71.43 ng

RT: 12.974 min Scan# 935

Delta R.T. -0.017 min

Lab File: BF091328.D

Acq: 29 Nov 2016 15:44

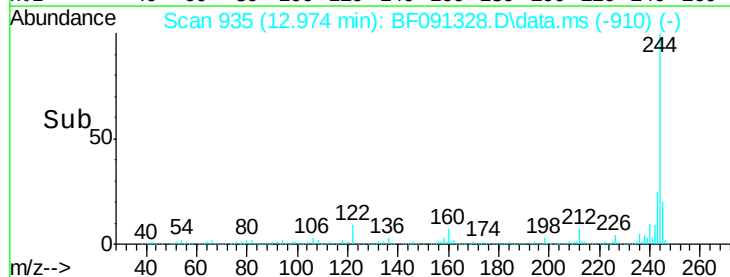
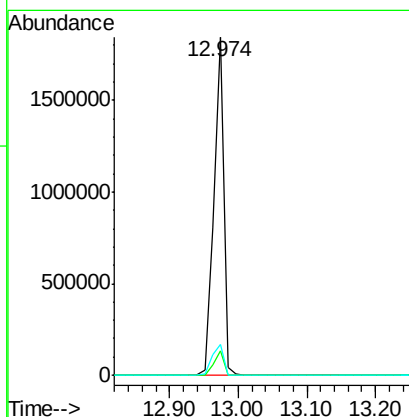
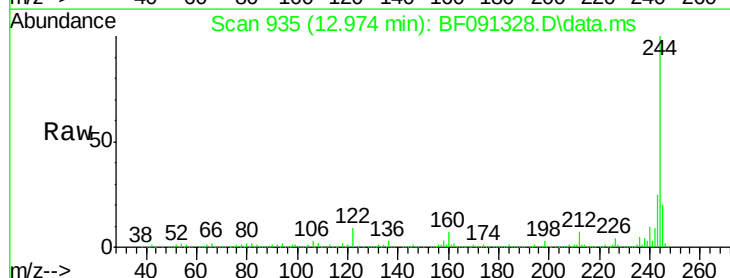
Tgt Ion:244 Resp: 1872576

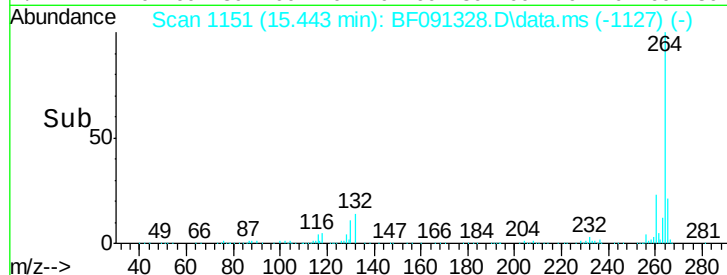
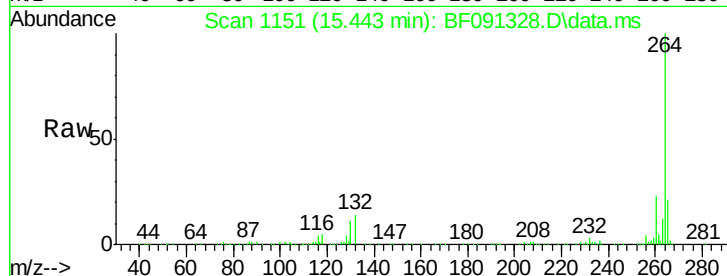
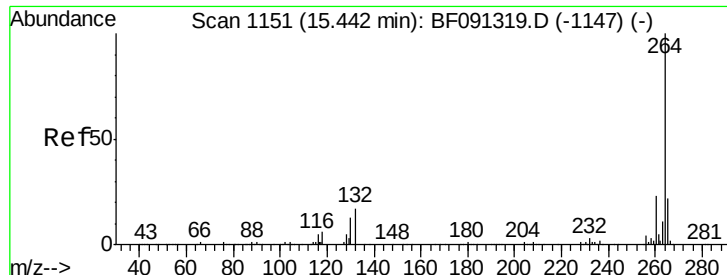
Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

122 9.2 9.5 14.3#





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.443 min Scan# 11  
 Delta R.T. -0.028 min  
 Lab File: BF091328.D  
 Acq: 29 Nov 2016 15:44

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 18.8  | 28.2  |
| 265     | 21.4  | 17.0  | 25.6  |

