

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\  
 Data File : BF101631.D  
 Acq On : 22 Dec 2017 3:34  
 Operator : SJ/JU  
 Sample : I7008-01  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 22 05:58:03 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 20 14:25:04 2017  
 Response via : Initial Calibration

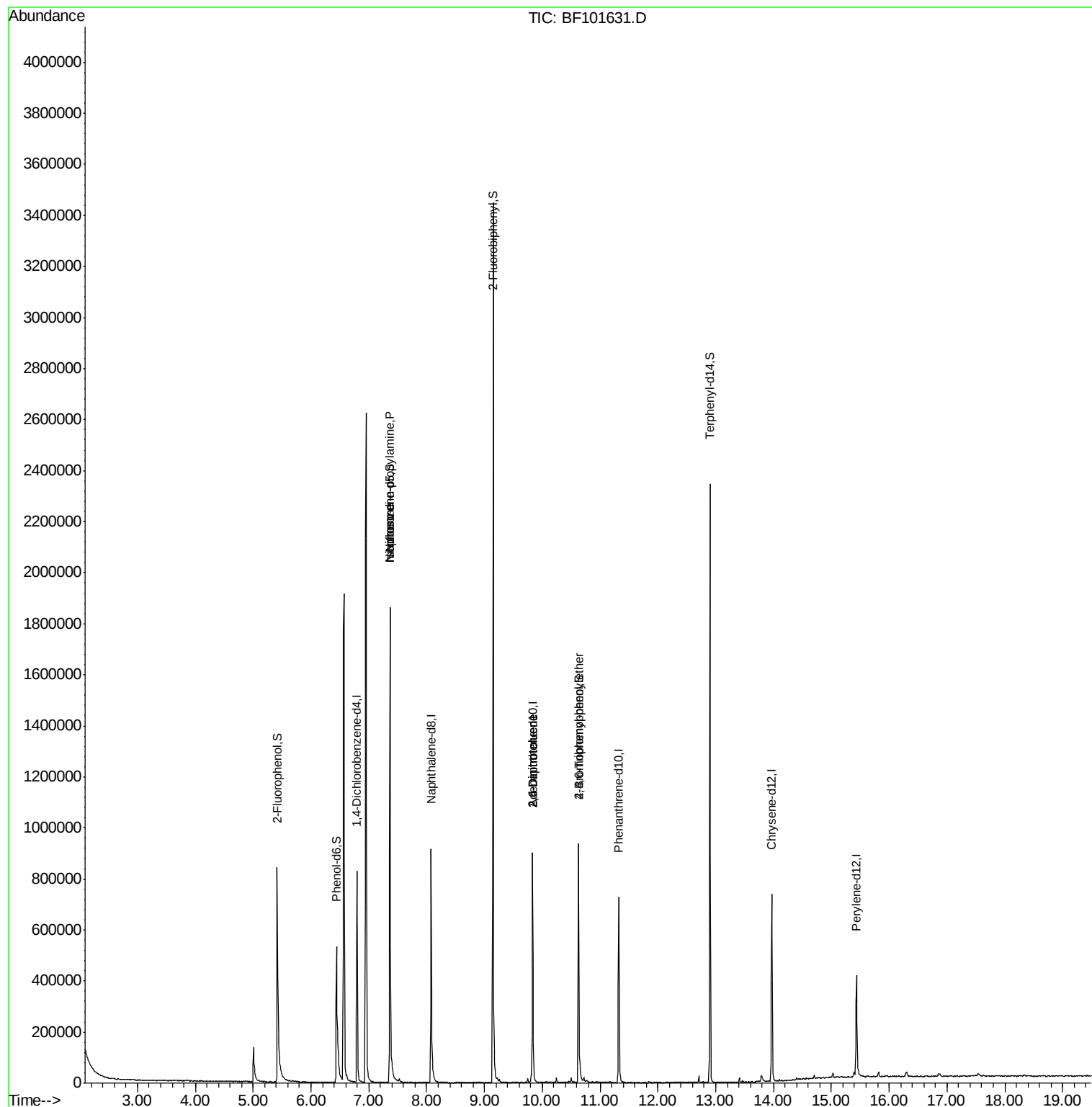
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.79  | 152  | 132665   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.07  | 136  | 499558   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.83  | 164  | 192067   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.32 | 188  | 286632   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.97 | 240  | 272680   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.43 | 264  | 220603   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.42  | 112  | 369864   | 41.53  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.44  | 99   | 293782   | 26.50  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 748216   | 83.37  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.63 | 330  | 125487   | 67.80  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.15  | 172  | 1156670  | 93.42  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.90 | 244  | 786490   | 69.53  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 99096    | 13.614 | ng    | # 83     |
| 25) Isophorone                 | 7.36  | 82   | 748216   | 41.561 | ng    | # 64     |
| 50) 2,6-Dinitrotoluene         | 9.83  | 165  | 23677    | 7.541  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.83  | 165  | 23677    | 6.693  | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 10.63 | 248  | 7949     | 2.468  | ng    | # 1      |

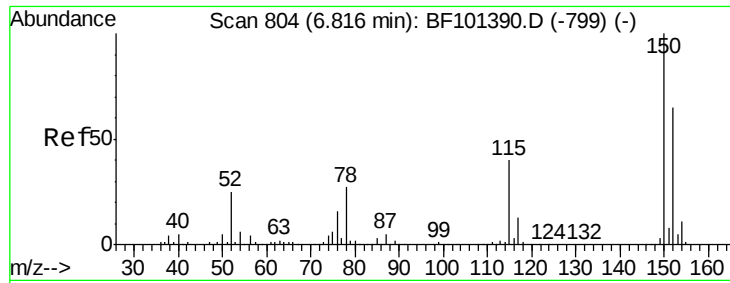
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 20 14:25:04 2017  
Response via : Initial Calibration

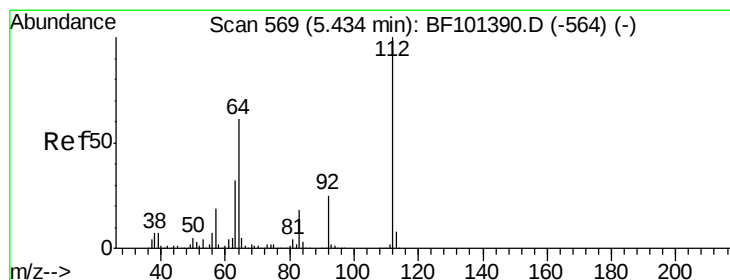
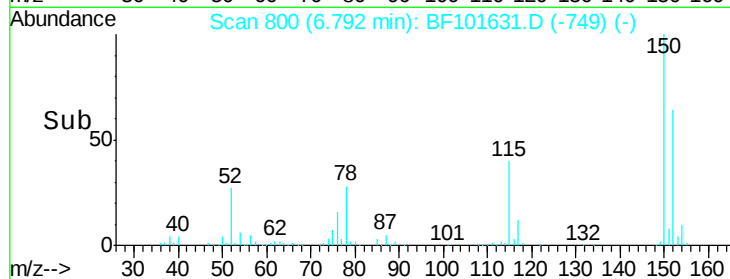
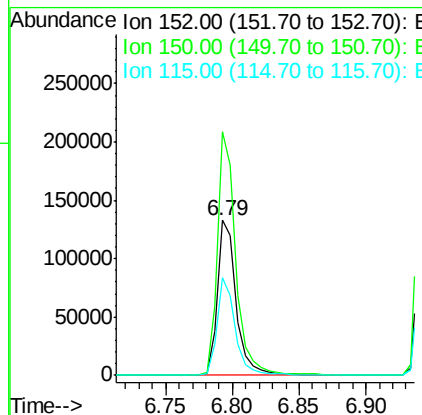
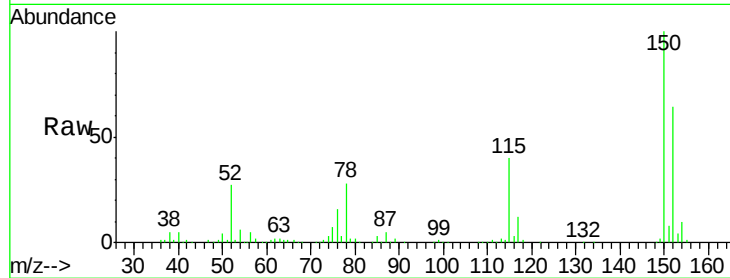




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.79 min Scan# 800  
 Delta R.T. -0.00 min  
 Lab File: BF101631.D  
 Acq: 22 Dec 2017 3:34

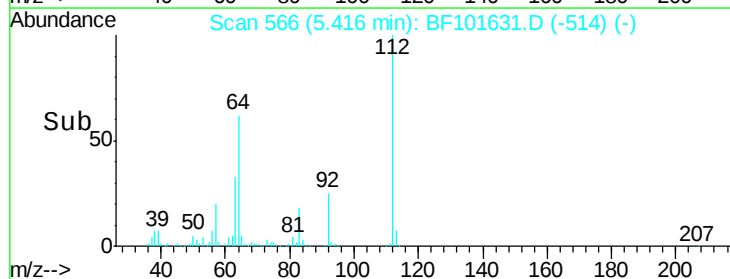
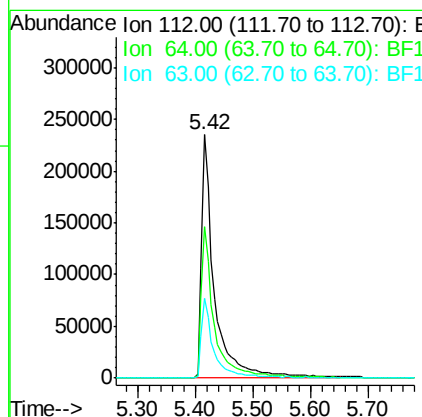
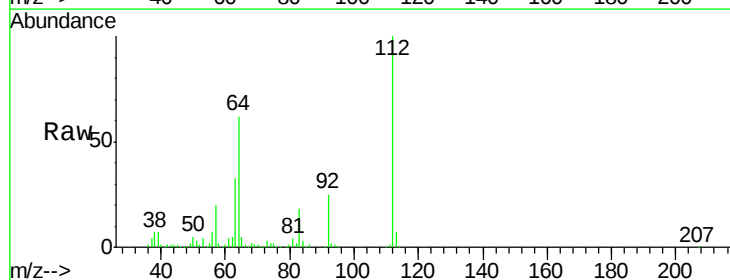
Instrument :  
 BNA\_F  
 ClientSampleId :

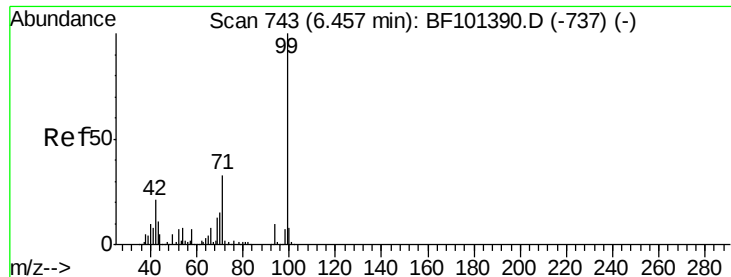
Tot Ion:152 Resp: 132665  
 Ion Ratio Lower Upper  
 152 100  
 150 157.2 124.6 186.8  
 115 63.1 50.1 75.1



#5  
 2-Fluorophenol  
 Concen: 41.529 ng  
 RT: 5.42 min Scan# 566  
 Delta R.T. 0.01 min  
 Lab File: BF101631.D  
 Acq: 22 Dec 2017 3:34

Tgt Ion:112 Resp: 369864  
 Ion Ratio Lower Upper  
 112 100  
 64 62.4 47.9 71.9  
 63 32.6 23.7 35.5





#7

Phenol-d6

Concen: 26.505 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF101631.D

Acq: 22 Dec 2017 3:34

Instrument :

BNA\_F

ClientSampled :

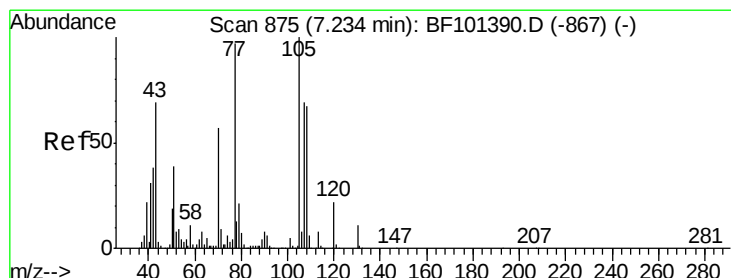
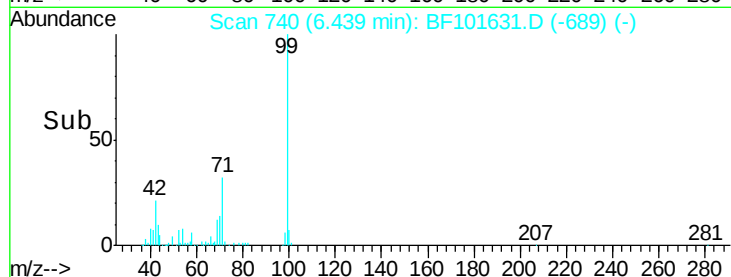
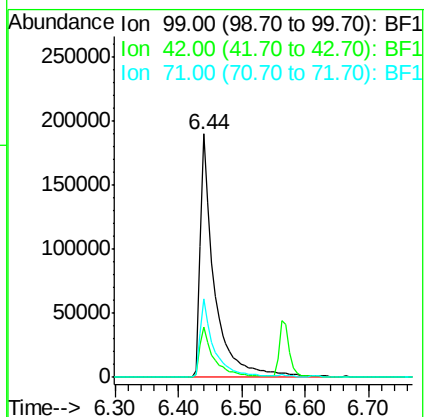
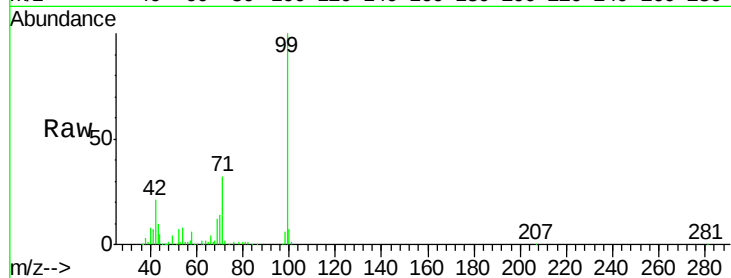
Tot Ion: 99 Resp: 293782

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.614 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF101631.D

Acq: 22 Dec 2017 3:34

Tgt Ion: 70 Resp: 99096

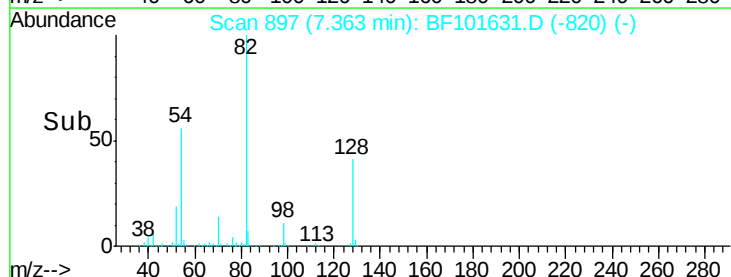
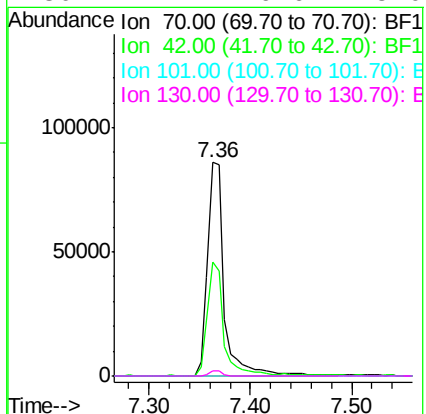
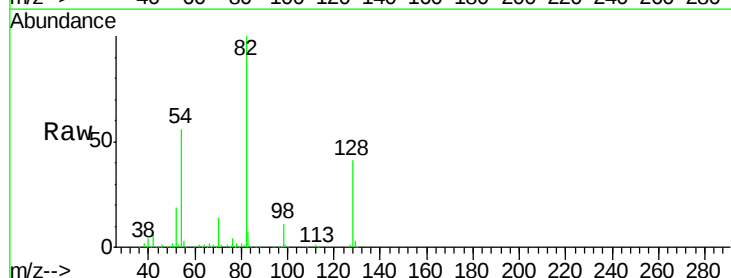
Ion Ratio Lower Upper

70 100

42 53.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

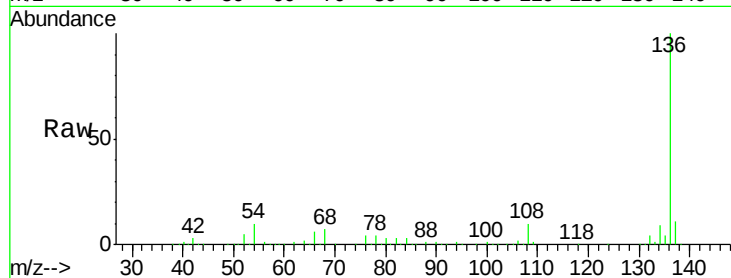




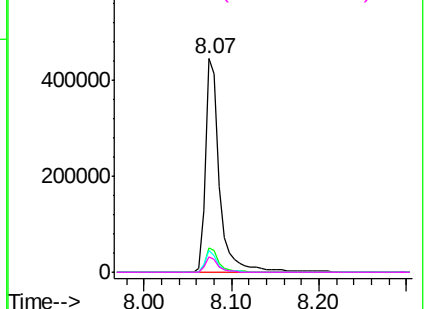
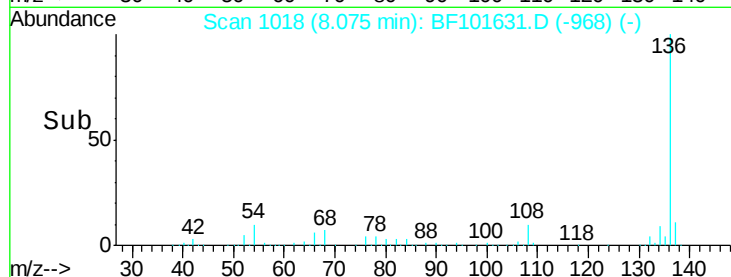
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BF101631.D  
Acq: 22 Dec 2017 3:34

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:136 Resp: 499558  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.9 13.3  
54 10.0 6.6 9.8#  
68 7.1 5.0 7.4

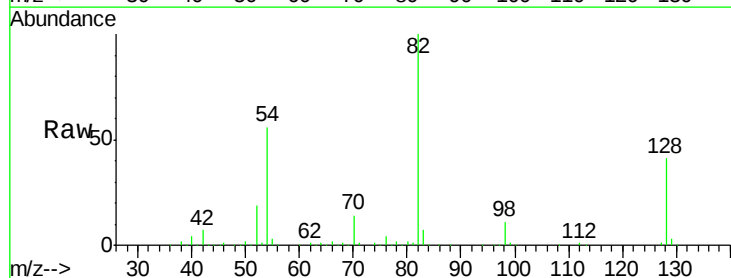


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

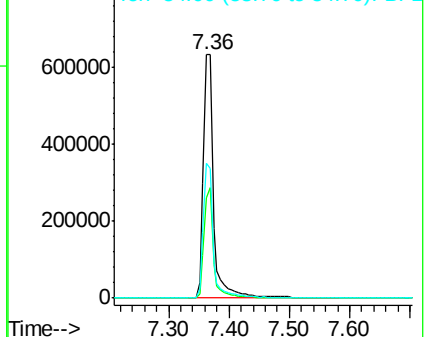
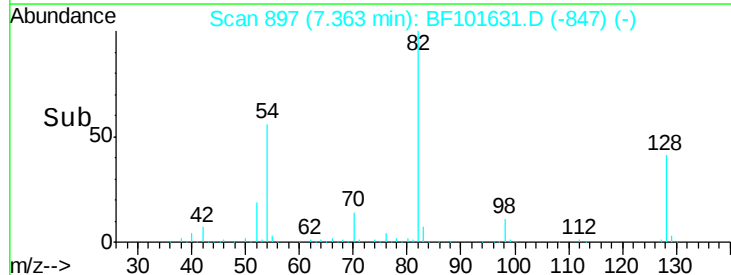


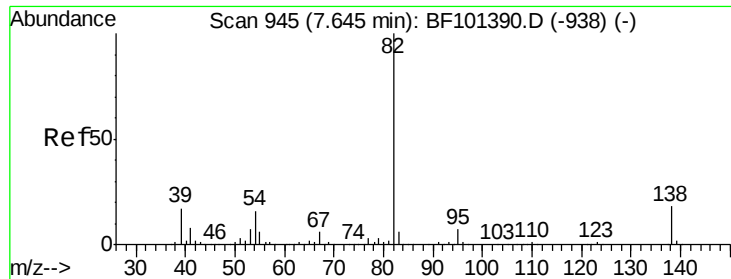
#23  
Nitrobenzene-d5  
Concen: 83.374 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF101631.D  
Acq: 22 Dec 2017 3:34

Tgt Ion: 82 Resp: 748216  
Ion Ratio Lower Upper  
82 100  
128 41.4 36.1 54.1  
54 55.6 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





#25

Isophorone

Concen: 41.561 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF101631.D

Acq: 22 Dec 2017 3:34

Instrument :

BNA\_F

ClientSampleId :

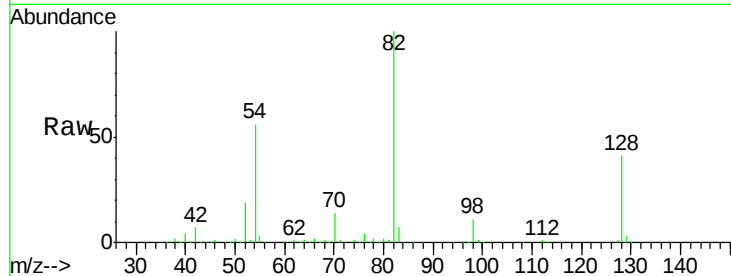
Tot Ion: 82 Resp: 748216

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

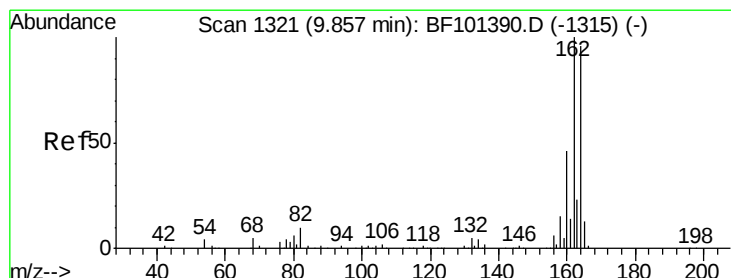
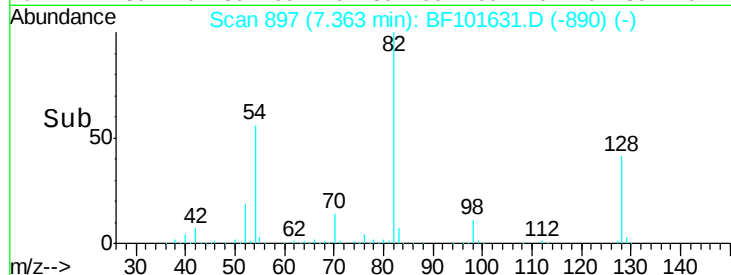
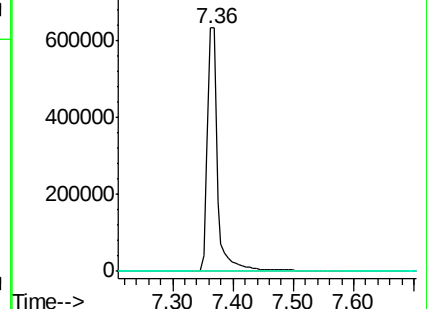
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF101631.D

Acq: 22 Dec 2017 3:34

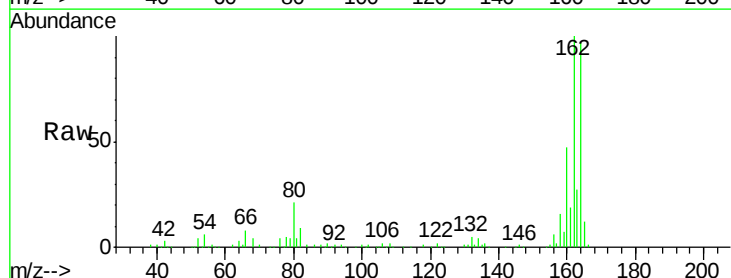
Tgt Ion: 164 Resp: 192067

Ion Ratio Lower Upper

164 100

162 103.0 86.1 129.1

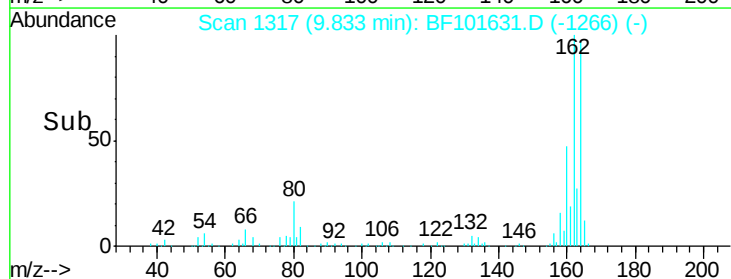
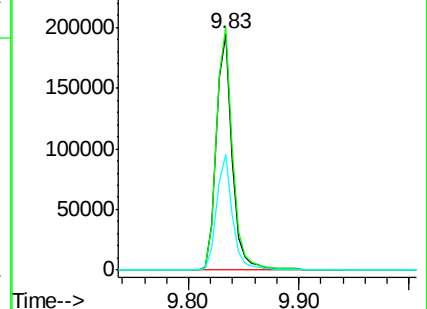
160 48.6 38.3 57.5

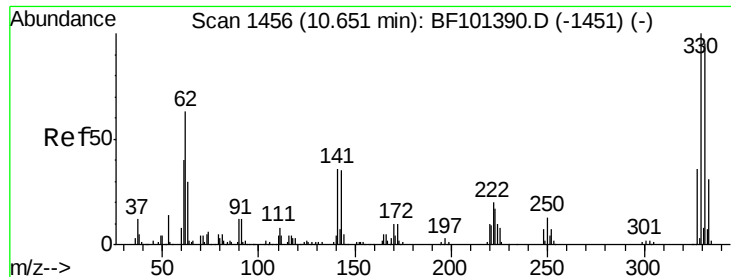


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

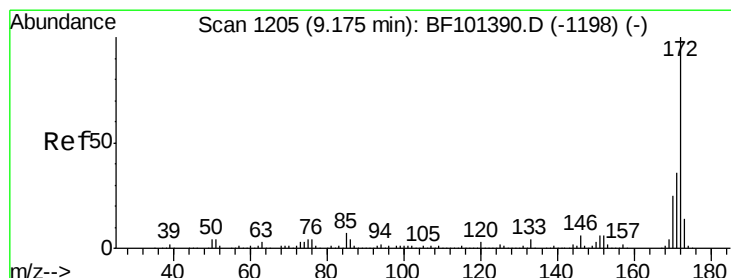
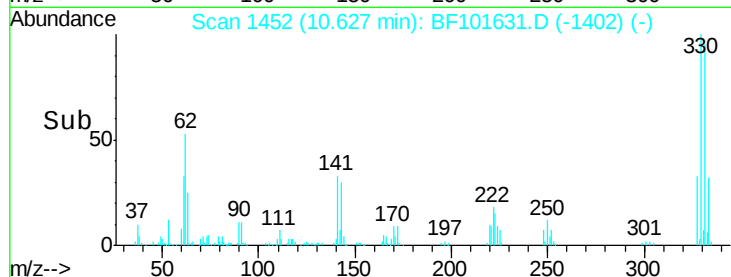
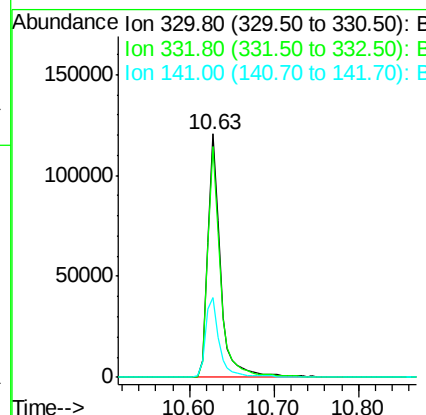
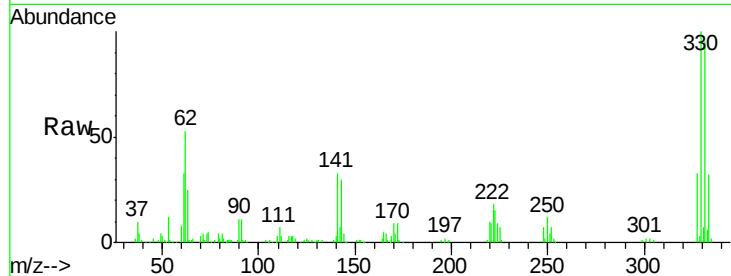




#41  
 2,4,6-Tribromophenol  
 Concen: 67.805 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. -0.01 min  
 Lab File: BF101631.D  
 Acq: 22 Dec 2017 3:34

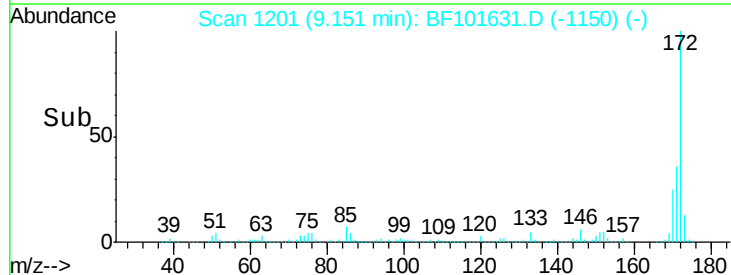
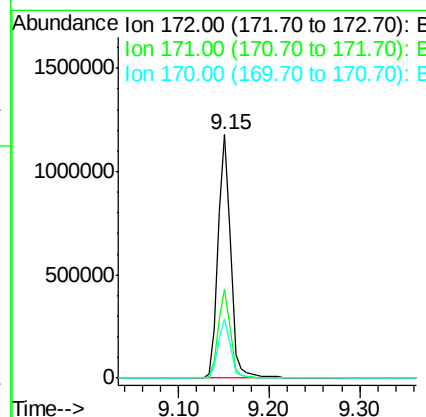
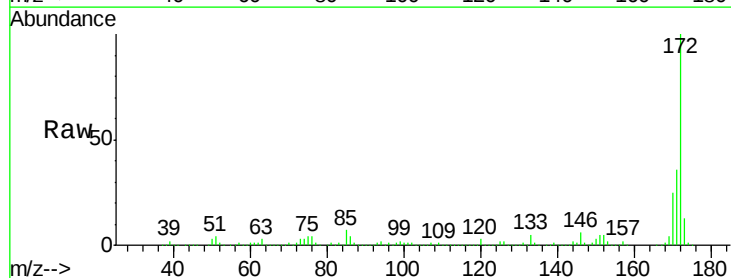
Instrument :  
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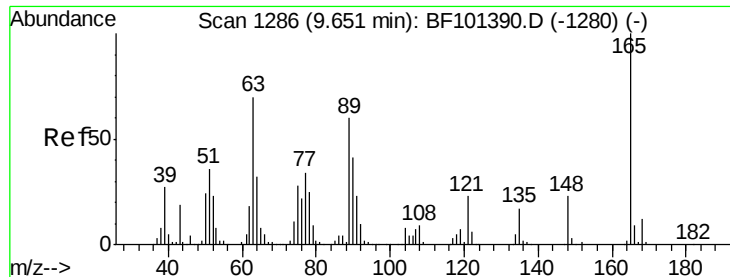
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 77.0  | 115.6 |
| 141     | 35.8  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 93.419 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.00 min  
 Lab File: BF101631.D  
 Acq: 22 Dec 2017 3:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.7  | 44.5  |
| 170     | 24.5  | 19.6  | 29.4  |

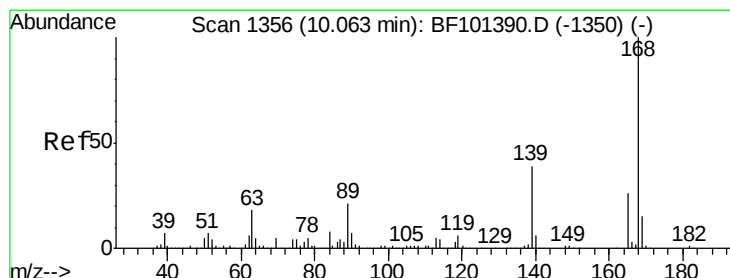
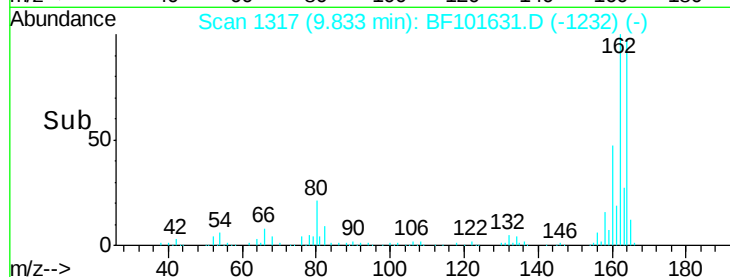
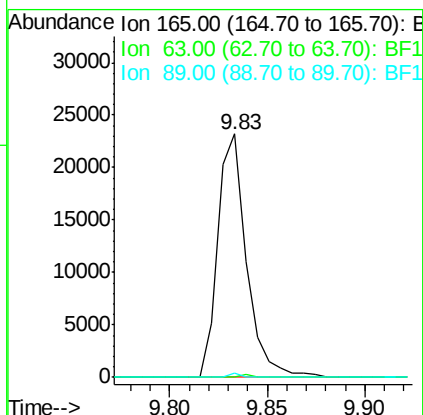
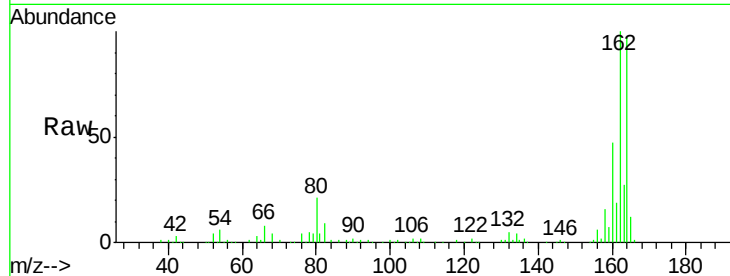




#50  
2,6-Dinitrotoluene  
Concen: 7.541 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. 0.20 min  
Lab File: BF101631.D  
Acq: 22 Dec 2017 3:34

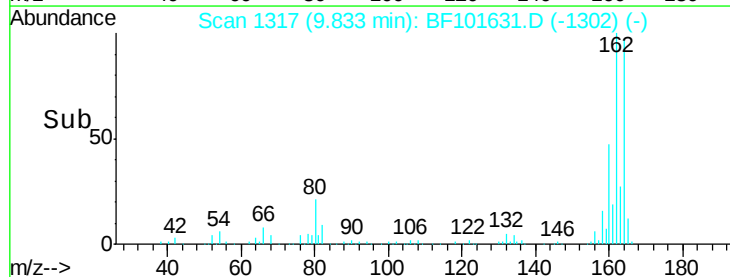
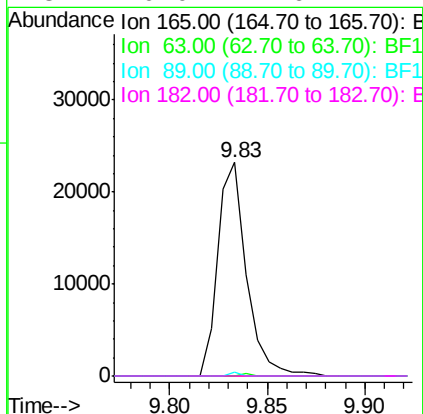
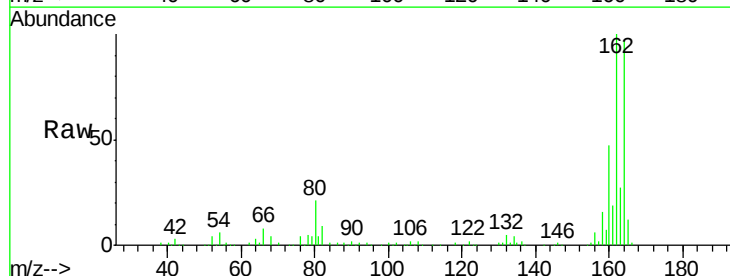
Instrument :  
BNA\_F  
ClientSampleId :

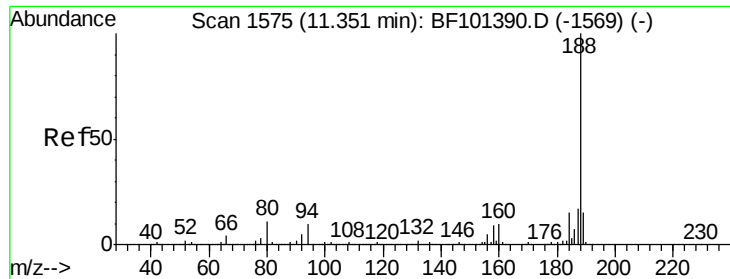
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 44.7  | 67.1# |
| 89      | 1.7   | 44.0  | 66.0# |



#56  
2,4-Dinitrotoluene  
Concen: 6.693 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. -0.21 min  
Lab File: BF101631.D  
Acq: 22 Dec 2017 3:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 36.4  | 54.6# |
| 89      | 1.7   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

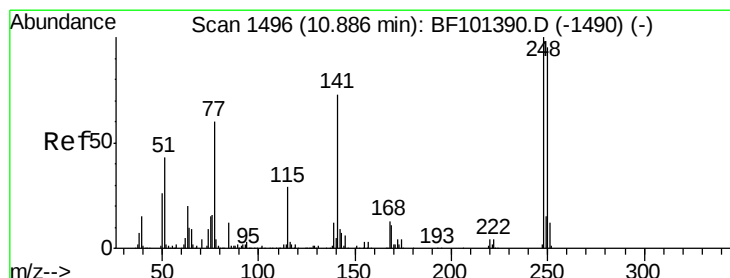
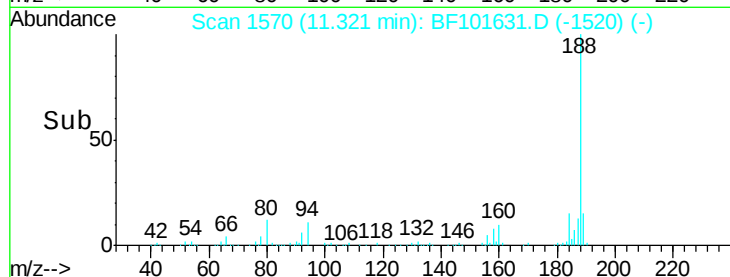
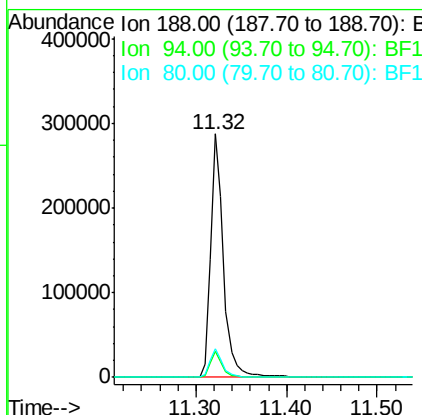
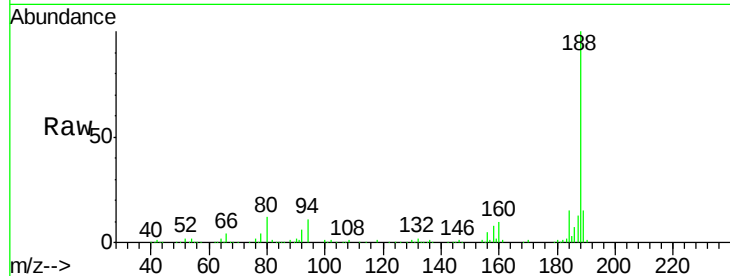




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.32 min Scan# 1570  
 Delta R.T. -0.01 min  
 Lab File: BF101631.D  
 Acq: 22 Dec 2017 3:34

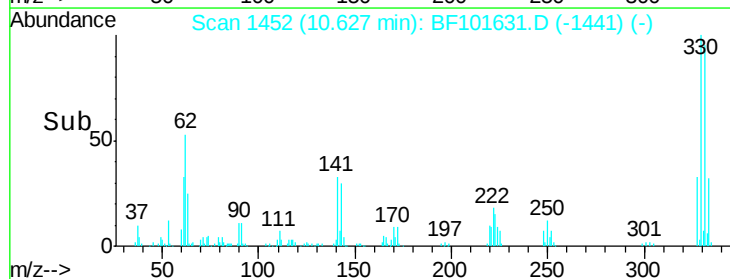
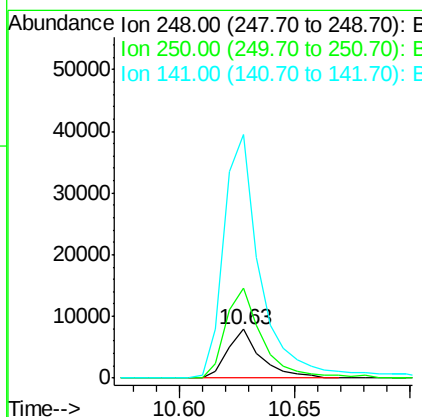
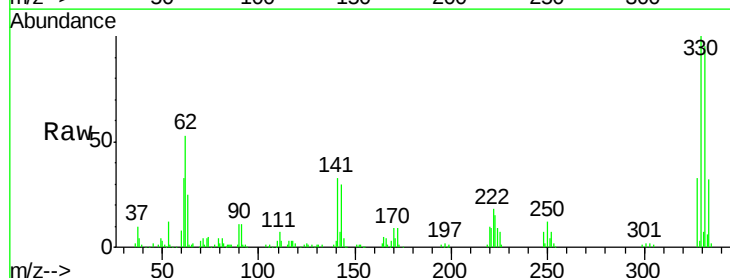
Instrument :  
 BNA\_F  
 ClientSampleId :

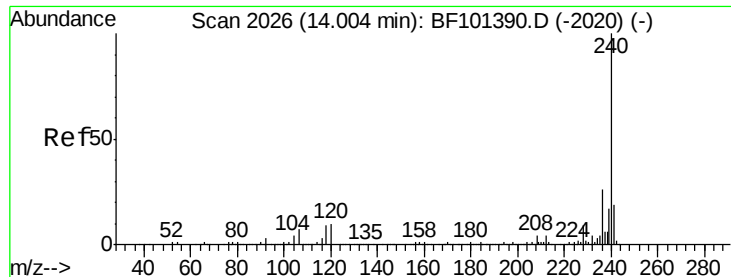
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.8  | 8.5   | 12.7  |
| 80      | 11.8  | 9.2   | 13.8  |



#66  
 4-Bromophenyl-phenylether  
 Concen: 2.468 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. -0.24 min  
 Lab File: BF101631.D  
 Acq: 22 Dec 2017 3:34

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 185.4 | 76.9  | 115.3# |
| 141     | 499.1 | 74.4  | 111.6# |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101631.D

Acq: 22 Dec 2017 3:34

Instrument :

BNA\_F

ClientSampleId :

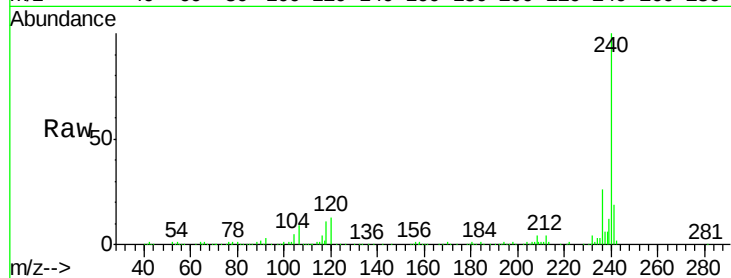
Tot Ion:240 Resp: 272680

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

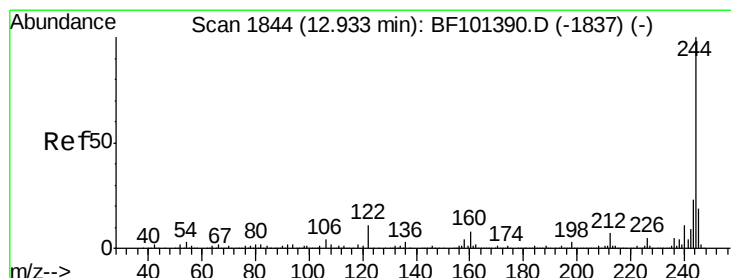
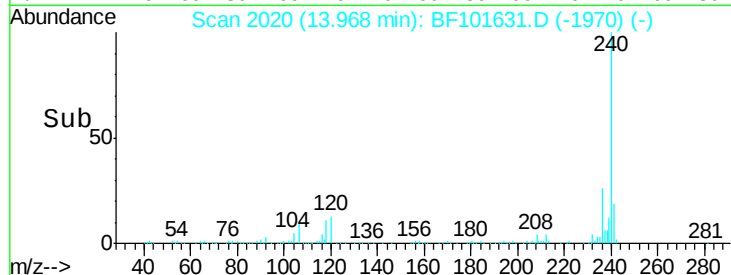
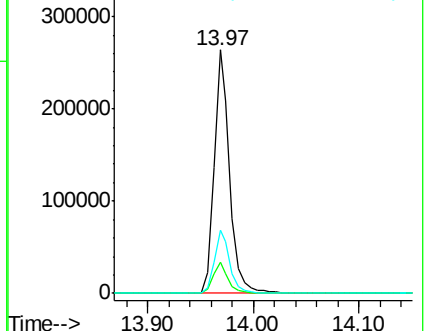
236 26.1 20.7 31.1



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



#78

Terphenyl-d14

Concen: 69.534 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101631.D

Acq: 22 Dec 2017 3:34

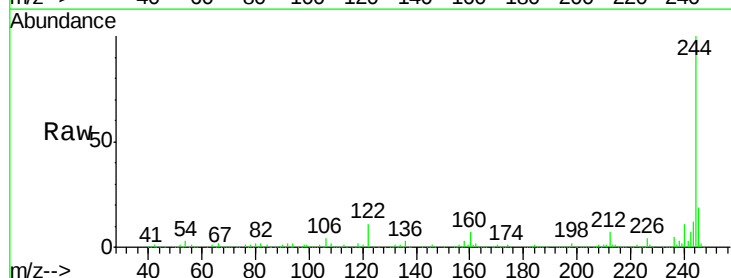
Tgt Ion:244 Resp: 786490

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

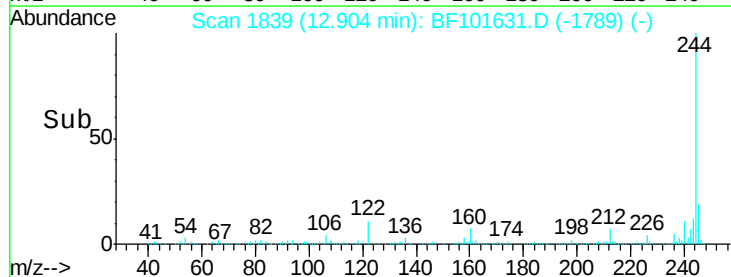
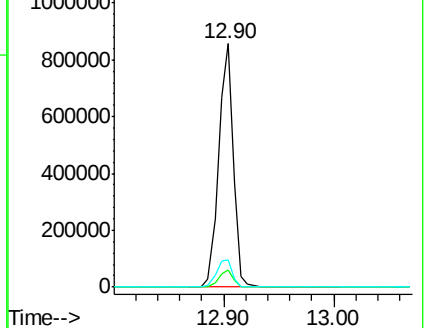
122 11.5 11.0 16.4

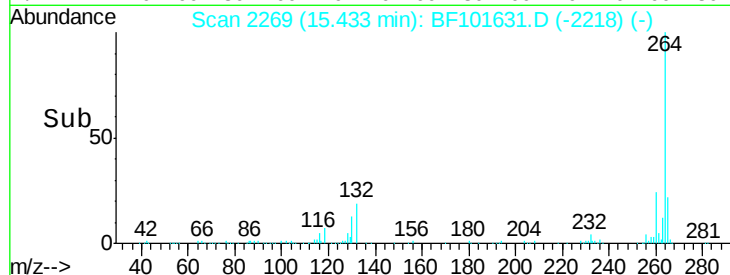
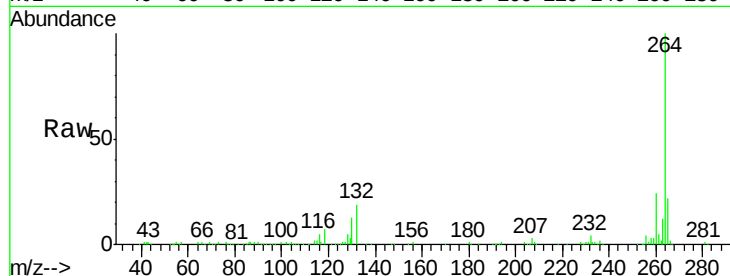
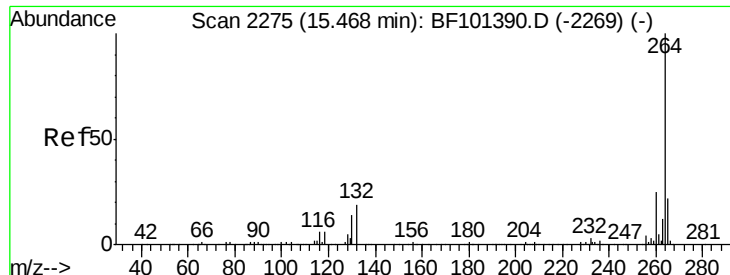


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2269  
Delta R.T. -0.00 min  
Lab File: BF101631.D  
Acq: 22 Dec 2017 3:34

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 220603 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.4  | 19.2  | 28.8   |
| 265      | 21.8  | 17.5  | 26.3   |

