

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101015\  
 Data File : BF082195.D  
 Acq On : 11 Oct 2015 00:42  
 Operator : UM/IZ  
 Sample : G3979-24  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A11COMP

Quant Time: Oct 12 03:02:02 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 12 02:59:50 2015  
 Response via : Initial Calibration

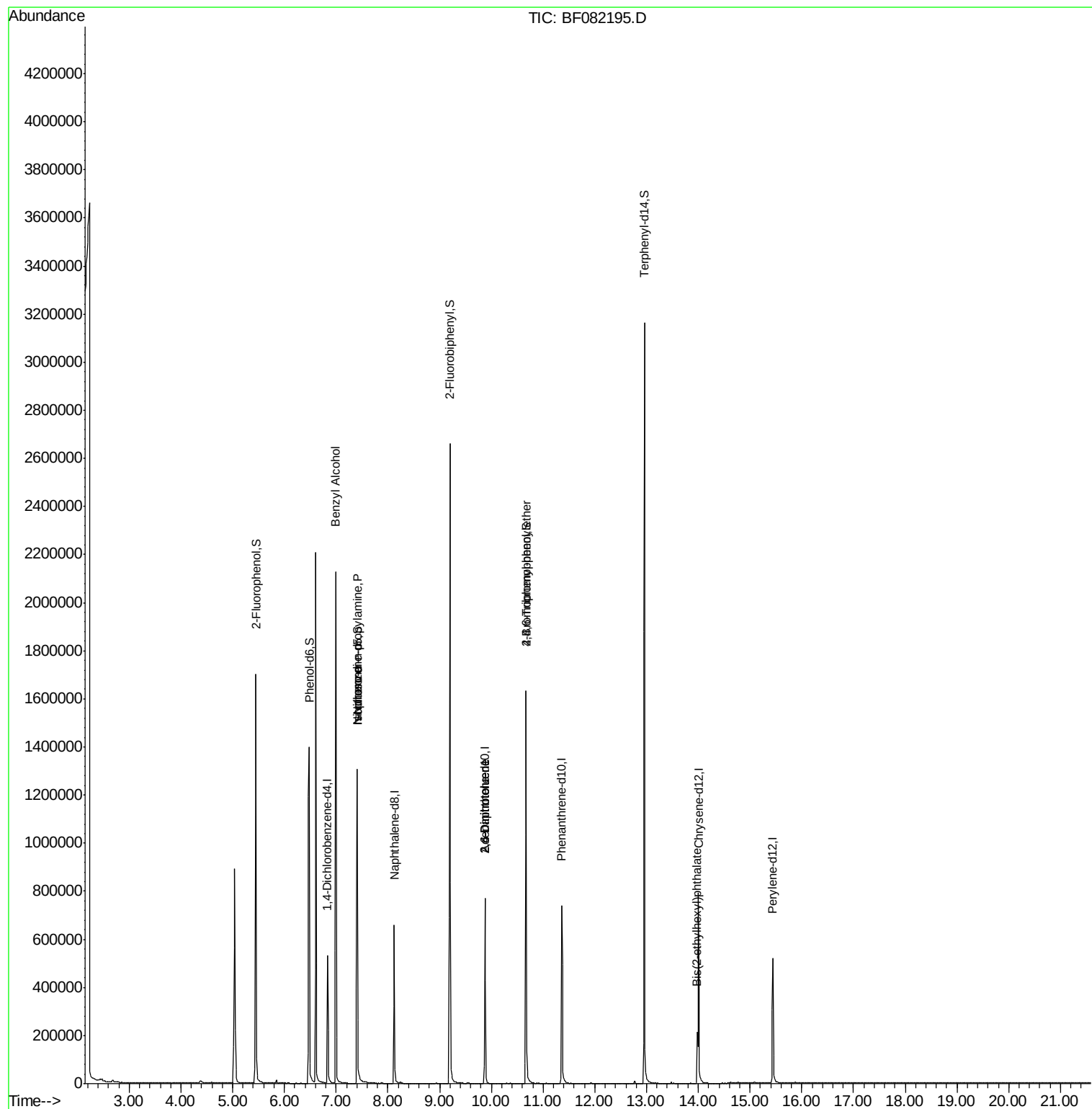
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 102303   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 405312   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.87  | 164  | 200657   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.36 | 188  | 412871   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.00 | 240  | 382285   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.44 | 264  | 288193   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 639475   | 126.16 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.48  | 99   | 770950   | 116.87 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 531618   | 88.08  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.67 | 330  | 282242   | 149.99 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.20  | 172  | 1071436  | 88.55  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.96 | 244  | 1319706  | 91.48  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.99  | 79   | 9148     | 2.01   | ng    | # 46     |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 69390    | 14.98  | ng    | # 78     |
| 25) Isophorone                 | 7.41  | 82   | 415794   | 34.13  | ng    | # 66     |
| 50) 2,6-Dinitrotoluene         | 9.87  | 165  | 24920    | 8.36   | ng    | # 32     |
| 56) 2,4-Dinitrotoluene         | 9.87  | 165  | 24915    | 6.69   | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248  | 18672    | 4.52   | ng    | # 1      |
| 83) Bis(2-ethylhexyl)phthalate | 13.98 | 149  | 75743    | 5.13   | ng    | # 96     |

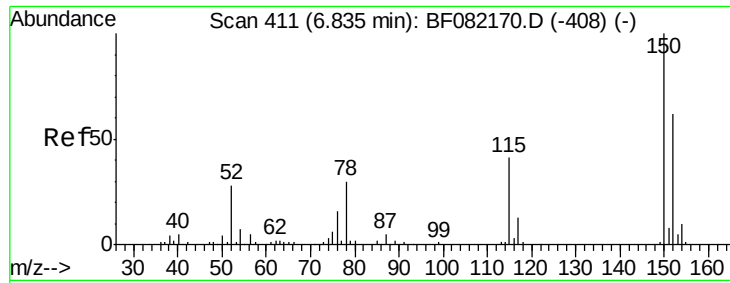
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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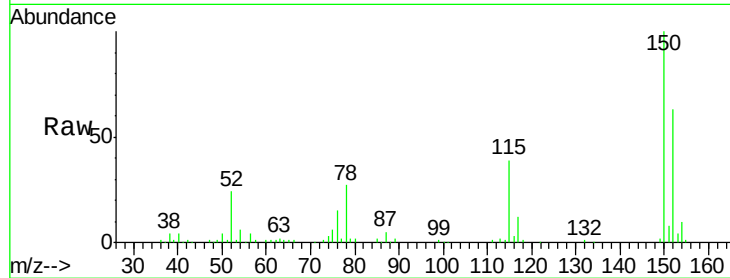




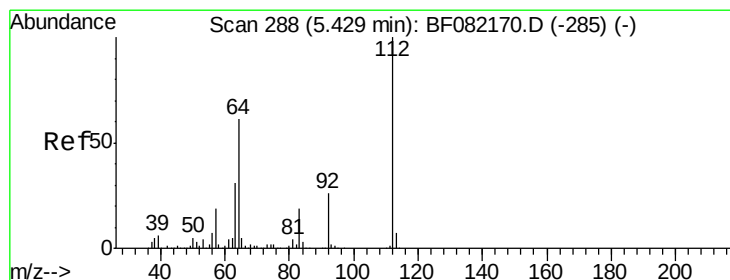
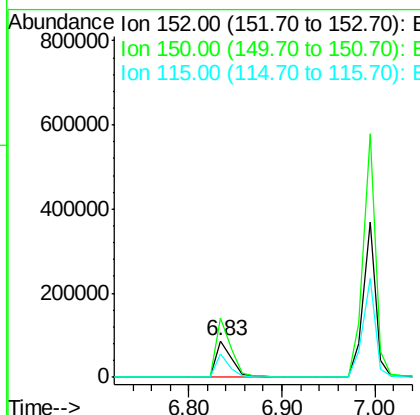
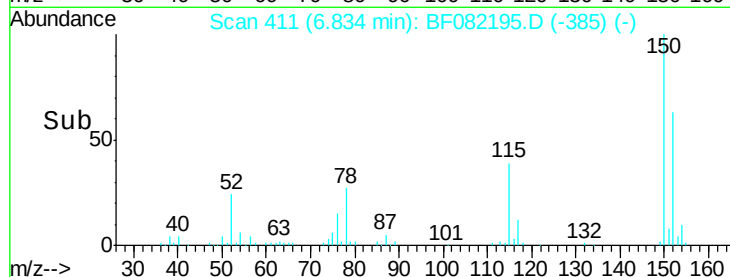
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.83 min Scan# 411  
 Delta R.T. 0.00 min  
 Lab File: BF082195.D  
 Acq: 11 Oct 2015 00:42

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 ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.6 | 129.0 | 193.4 |
| 115     | 62.8  | 52.1  | 78.1  |

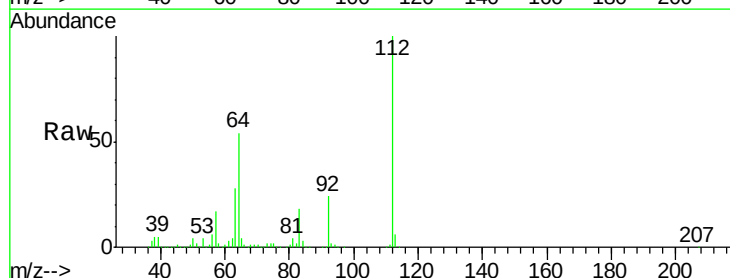


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

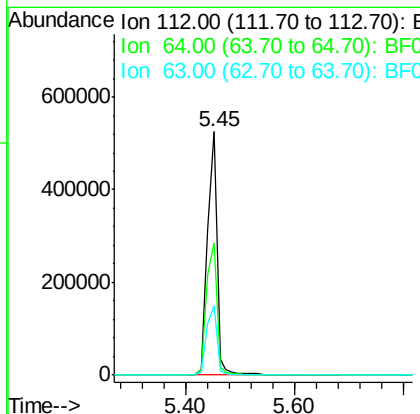
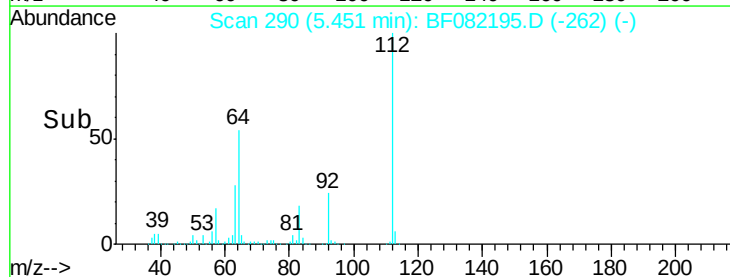


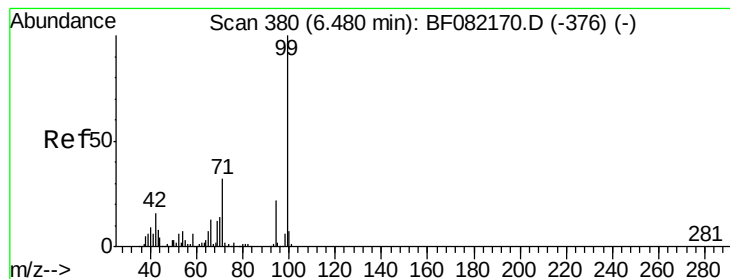
#5  
 2-Fluorophenol  
 Concen: 126.16 ng  
 RT: 5.45 min Scan# 290  
 Delta R.T. 0.02 min  
 Lab File: BF082195.D  
 Acq: 11 Oct 2015 00:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.2  | 48.6  | 73.0  |
| 63      | 28.5  | 25.1  | 37.7  |



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: 116.87 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082195.D

Acq: 11 Oct 2015 00:42

Instrument :

BNA\_F

ClientSampleId :

A11COMP

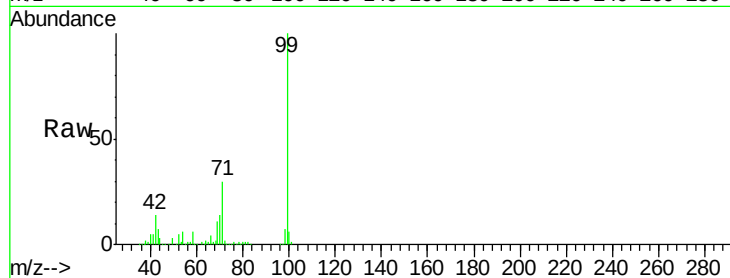
Tot Ion: 99 Resp: 770950

Ion Ratio Lower Upper

99 100

42 14.0 13.2 19.8

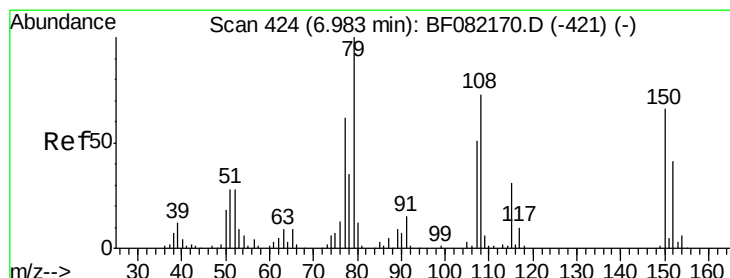
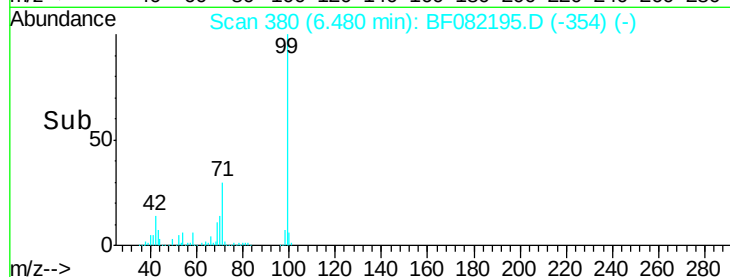
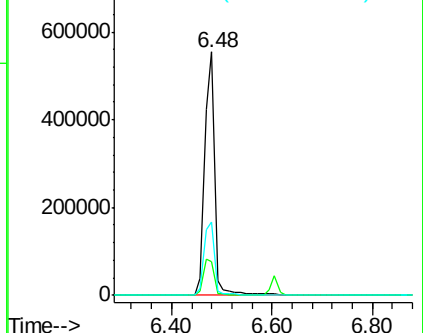
71 30.3 25.6 38.4



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



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.99 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF082195.D

Acq: 11 Oct 2015 00:42

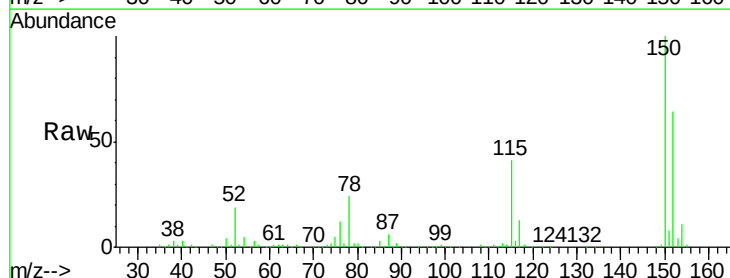
Tgt Ion: 79 Resp: 9148

Ion Ratio Lower Upper

79 100

108 31.7 58.4 87.6#

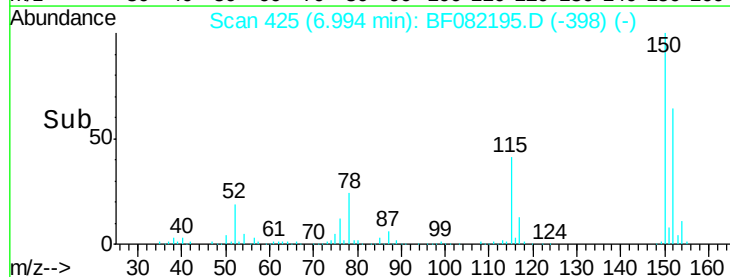
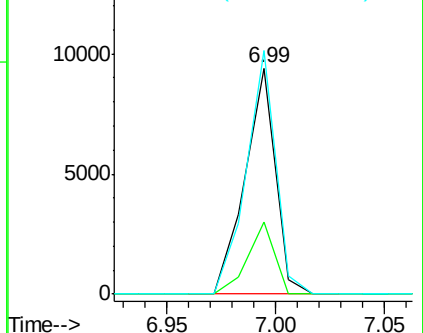
77 107.6 49.8 74.6#

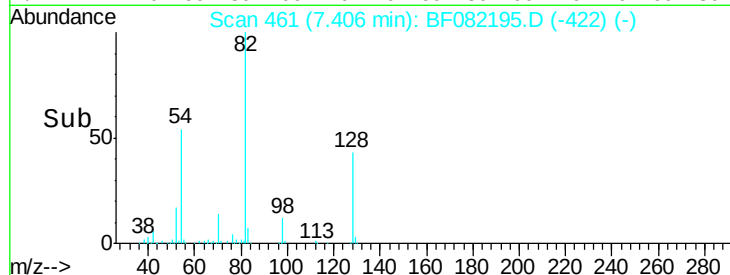
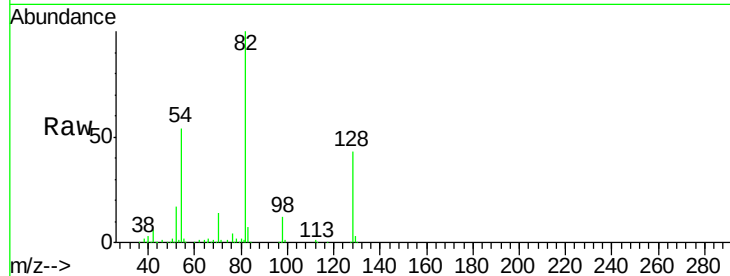
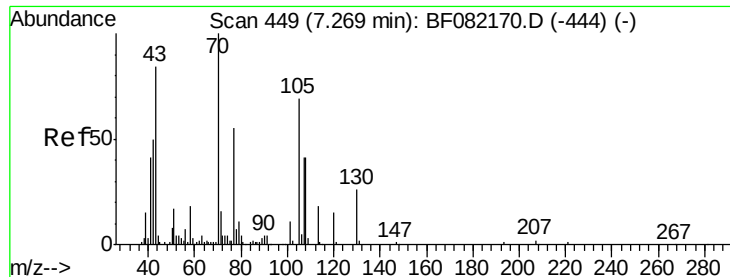


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

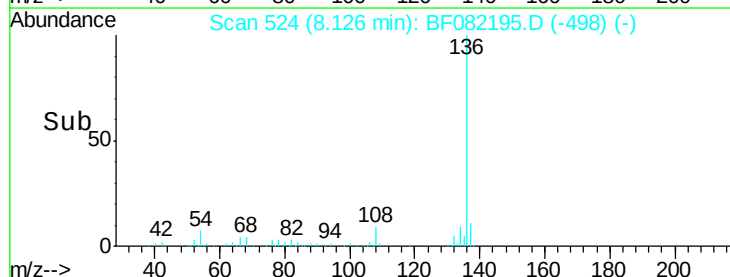
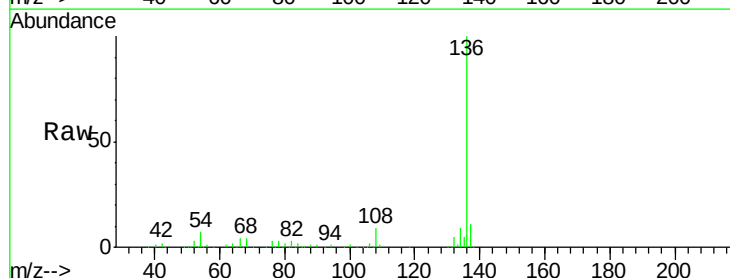
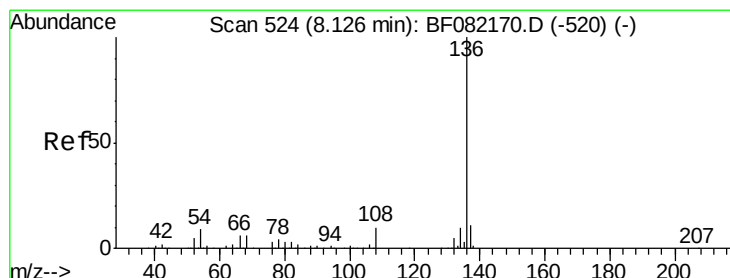
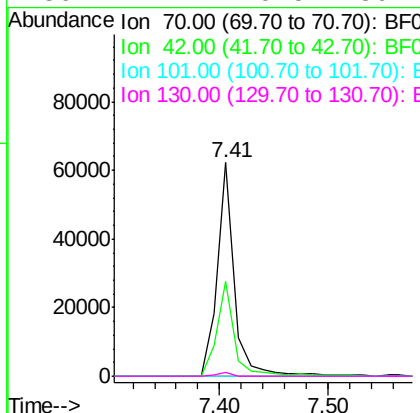




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.98 ng  
RT: 7.41 min Scan# 461  
Delta R.T. 0.15 min  
Lab File: BF082195.D  
Acq: 11 Oct 2015 00:42

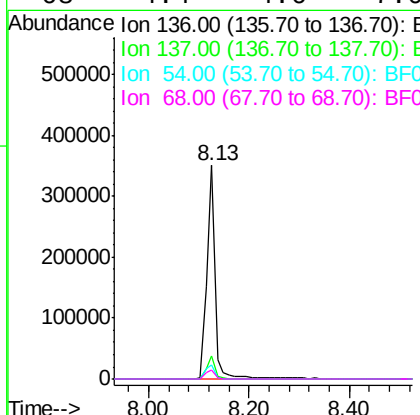
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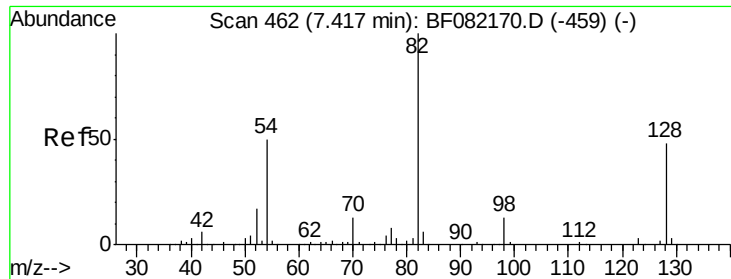
Tot Ion: 70 Resp: 69390  
Ion Ratio Lower Upper  
70 100  
42 44.5 39.8 59.8  
101 0.0 8.6 13.0#  
130 2.1 20.5 30.7#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 524  
Delta R.T. 0.00 min  
Lab File: BF082195.D  
Acq: 11 Oct 2015 00:42

Tgt Ion: 136 Resp: 405312  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.0 13.6  
54 6.7 7.5 11.3#  
68 4.4 4.6 7.0#

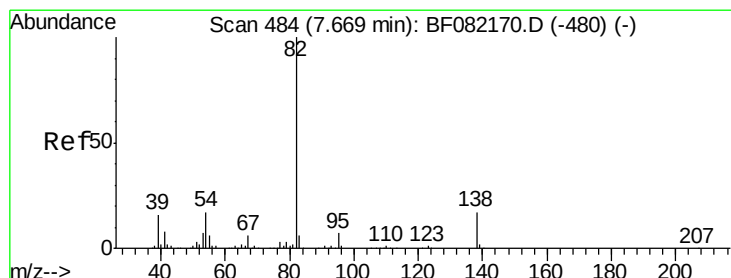
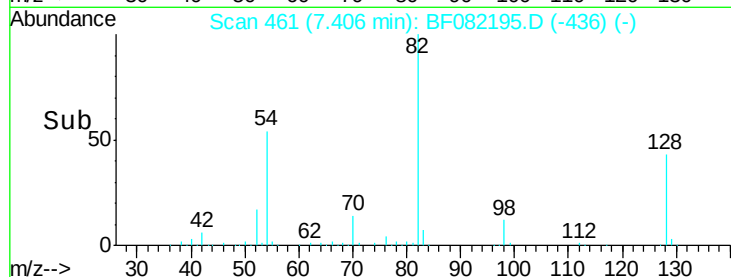
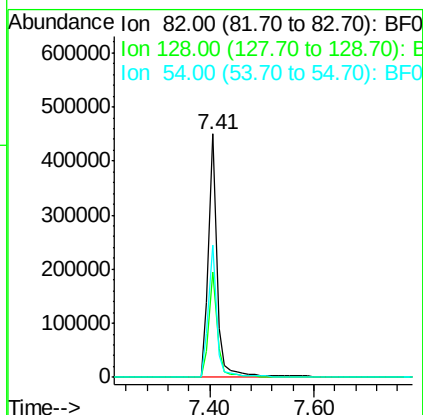
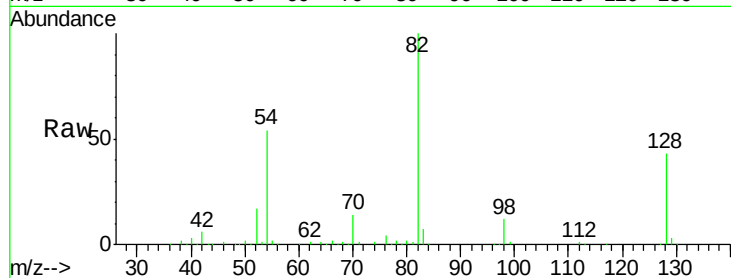




#23  
Nitrobenzene-d5  
Concen: 88.08 ng  
RT: 7.41 min Scan# 461  
Delta R.T. -0.01 min  
Lab File: BF082195.D  
Acq: 11 Oct 2015 00:42

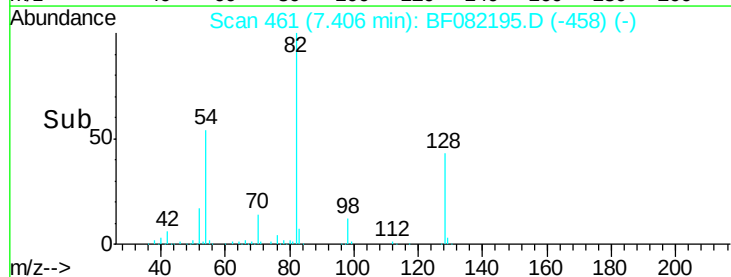
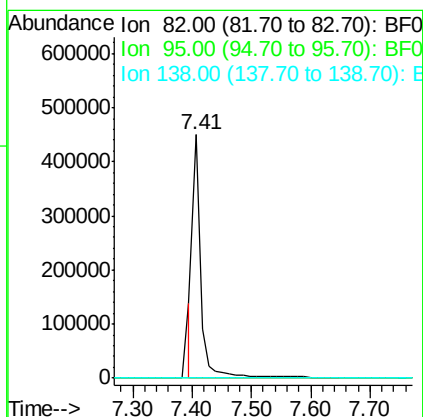
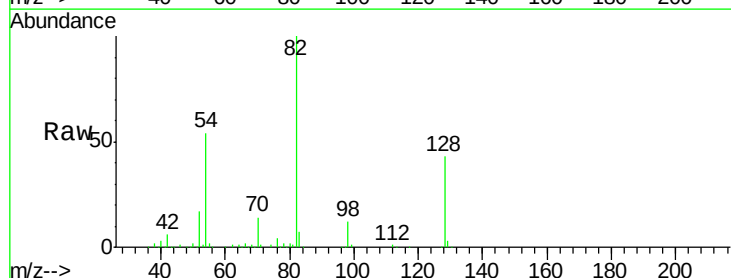
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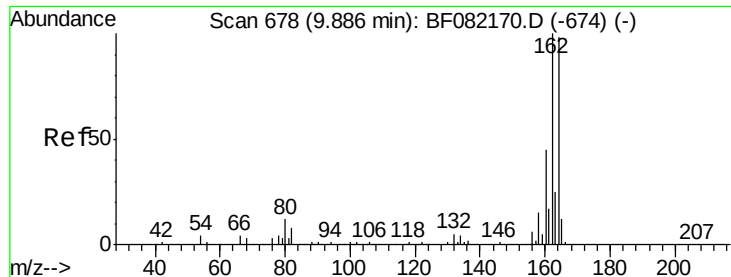
Tot Ion: 82 Resp: 531618  
Ion Ratio Lower Upper  
82 100  
128 43.1 38.7 58.1  
54 54.1 40.1 60.1



#25  
Isophorone  
Concen: 34.13 ng  
RT: 7.41 min Scan# 461  
Delta R.T. -0.26 min  
Lab File: BF082195.D  
Acq: 11 Oct 2015 00:42

Tgt Ion: 82 Resp: 415794  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 13.6 20.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF082195.D

Acq: 11 Oct 2015 00:42

Instrument :

BNA\_F

ClientSampleId :

A11COMP

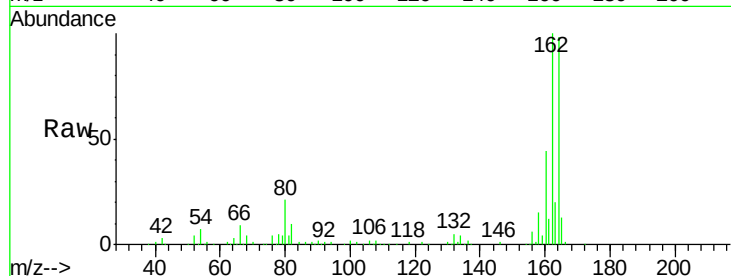
Tot Ion:164 Resp: 200657

Ion Ratio Lower Upper

164 100

162 102.1 81.6 122.4

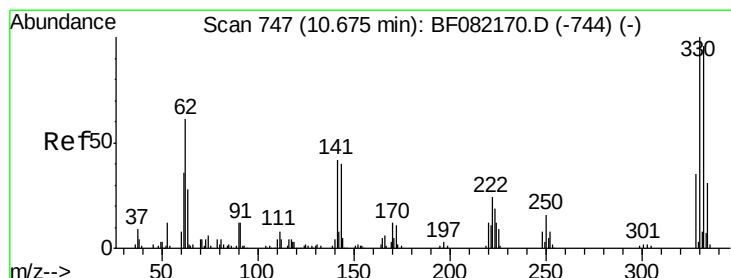
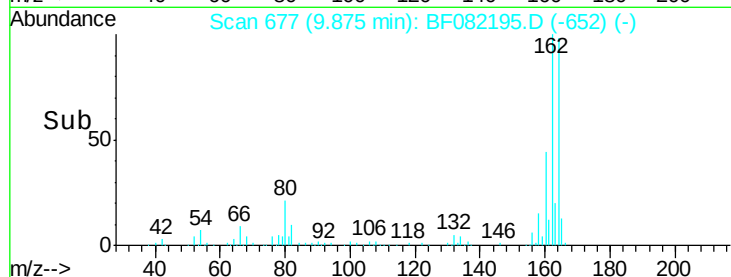
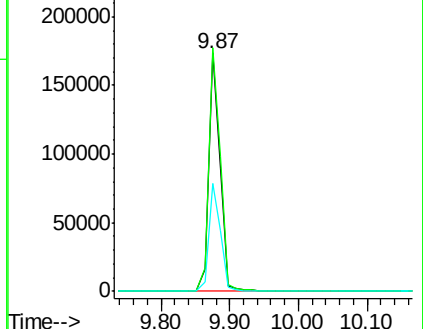
160 45.4 36.4 54.6



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: 149.99 ng

RT: 10.67 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF082195.D

Acq: 11 Oct 2015 00:42

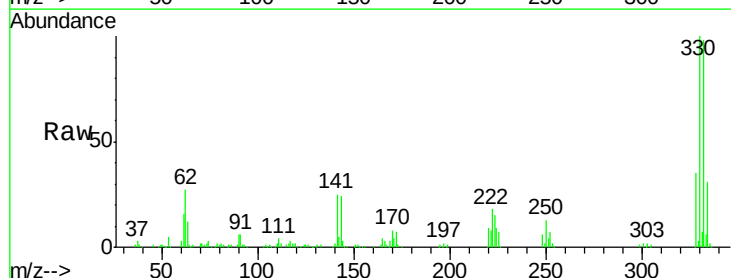
Tgt Ion:330 Resp: 282242

Ion Ratio Lower Upper

330 100

332 96.4 77.1 115.7

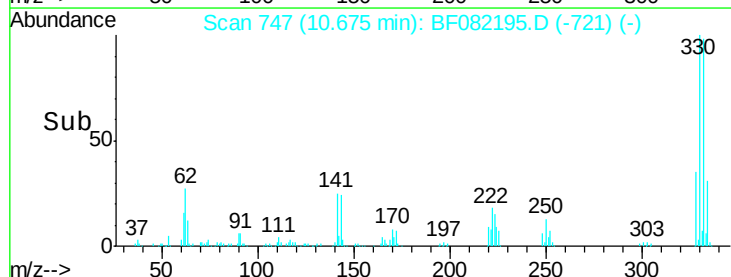
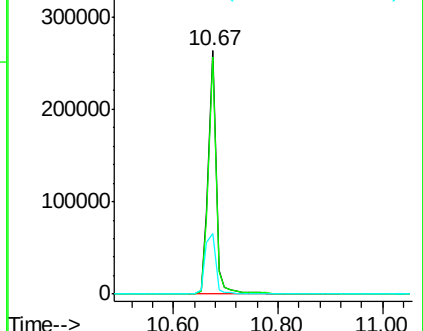
141 33.6 29.8 44.8

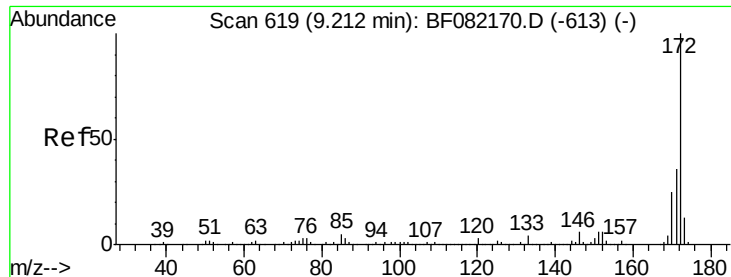


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

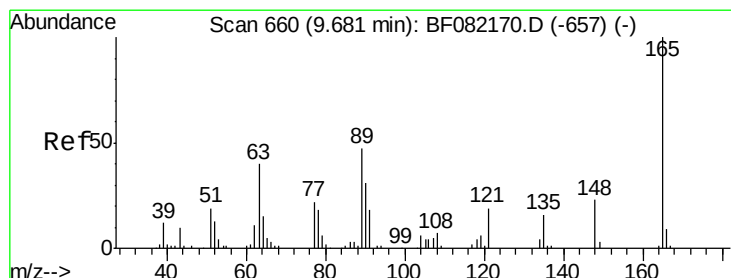
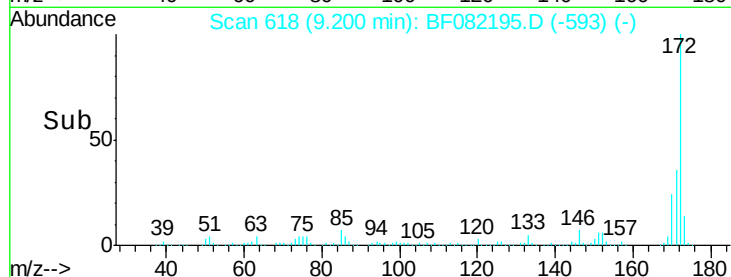
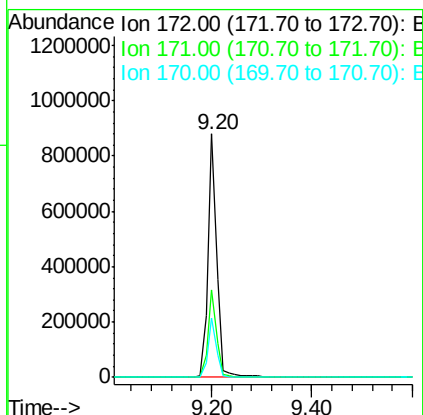
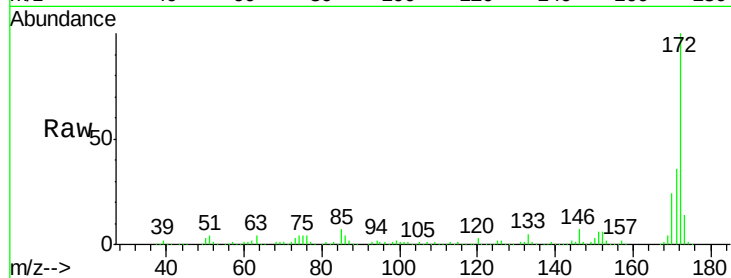




#44  
 2-Fluorobiphenyl  
 Concen: 88.55 ng  
 RT: 9.20 min Scan# 618  
 Delta R.T. -0.01 min  
 Lab File: BF082195.D  
 Acq: 11 Oct 2015 00:42

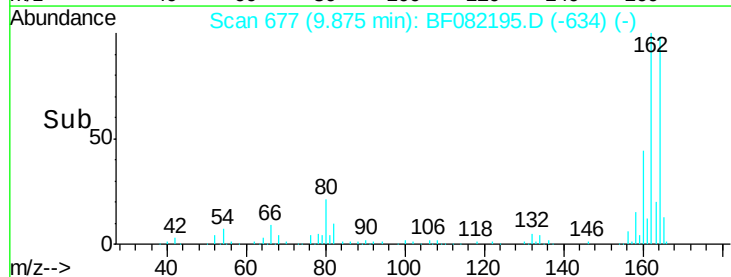
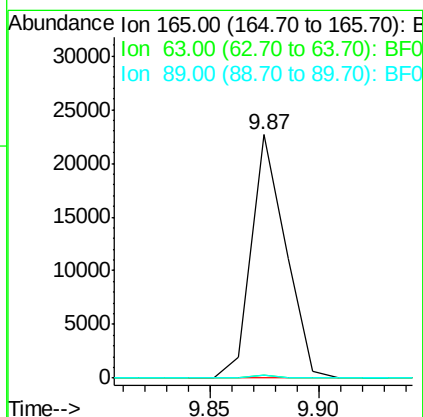
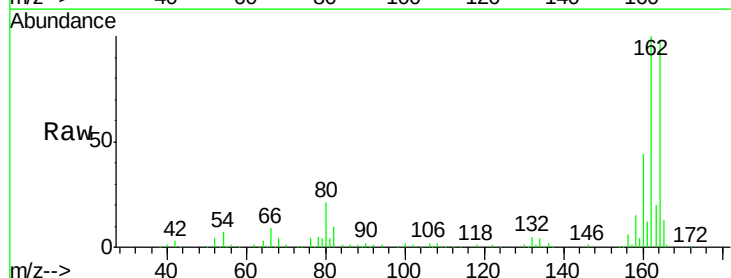
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Tot Ion:172 Resp: 1071436  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.6 42.8  
 170 24.3 19.7 29.5

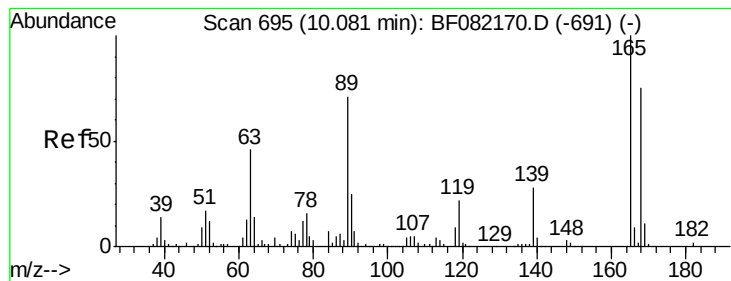


#50  
 2,6-Dinitrotoluene  
 Concen: 8.36 ng  
 RT: 9.87 min Scan# 677  
 Delta R.T. 0.19 min  
 Lab File: BF082195.D  
 Acq: 11 Oct 2015 00:42

Tgt Ion:165 Resp: 24920  
 Ion Ratio Lower Upper  
 165 100  
 63 1.4 36.7 55.1#  
 89 1.3 37.8 56.6#



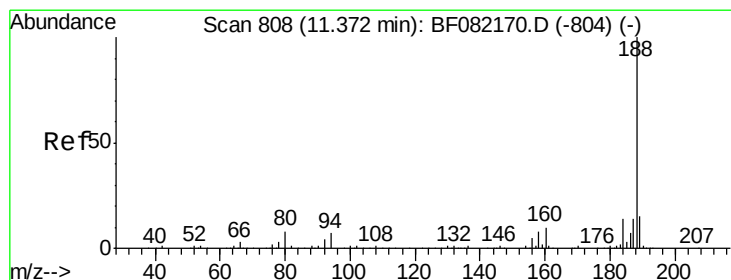
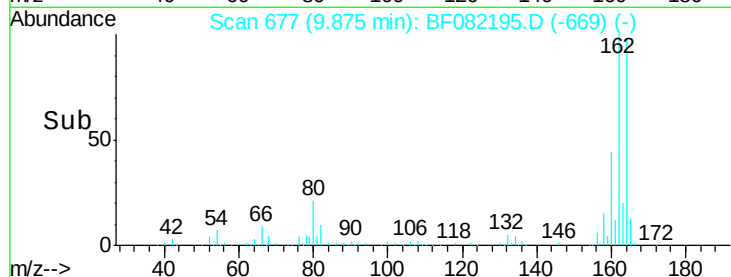
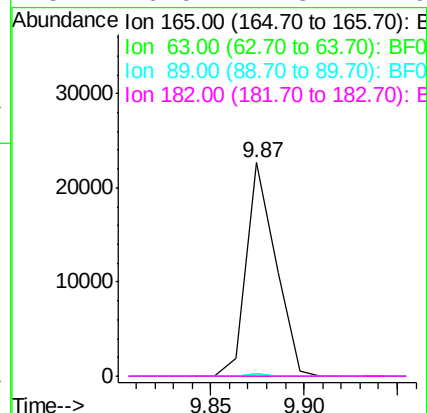
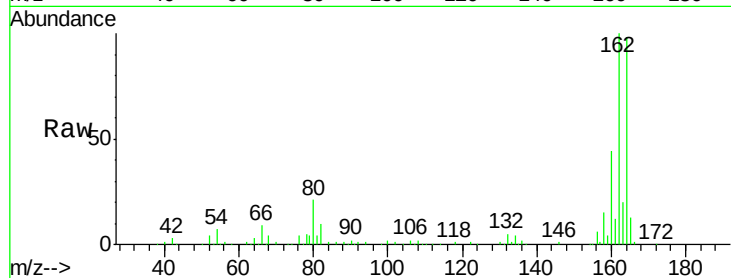




#56  
 2,4-Dinitrotoluene  
 Concen: 6.69 ng  
 RT: 9.87 min Scan# 677  
 Delta R.T. -0.21 min  
 Lab File: BF082195.D  
 Acq: 11 Oct 2015 00:42

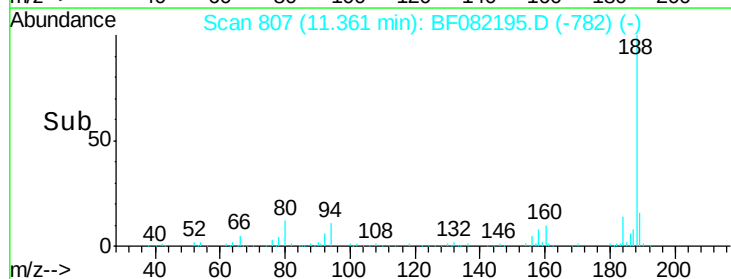
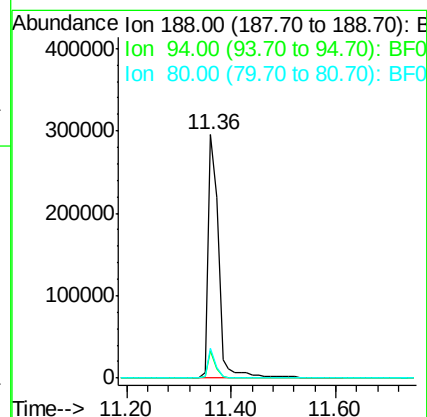
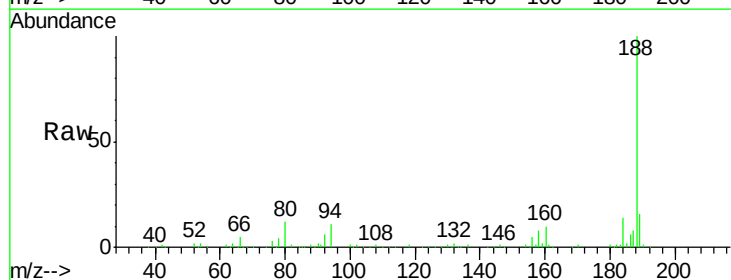
Instrument :  
 BNA\_F  
 ClientSampleId :  
 A11COMP

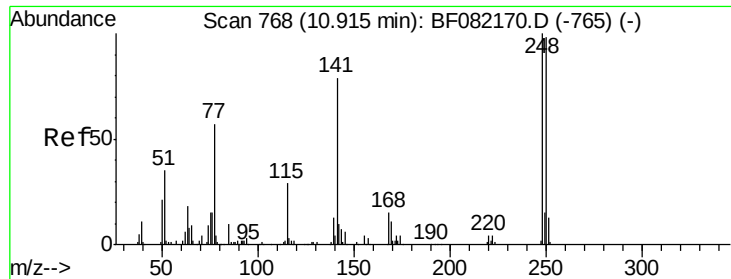
|             |             |
|-------------|-------------|
| Tot Ion:165 | Resp: 24915 |
| Ion Ratio   | Lower Upper |
| 165 100     |             |
| 63 1.4      | 38.6 58.0#  |
| 89 1.3      | 57.0 85.6#  |
| 182 0.0     | 1.8 2.6#    |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.36 min Scan# 807  
 Delta R.T. -0.01 min  
 Lab File: BF082195.D  
 Acq: 11 Oct 2015 00:42

|         |         |       |        |
|---------|---------|-------|--------|
| Tgt Ion | Ion:188 | Resp: | 412871 |
|         | Ratio   | Lower | Upper  |
| 188     | 100     |       |        |
| 94      | 11.2    | 5.8   | 8.6#   |
| 80      | 12.2    | 6.4   | 9.6#   |

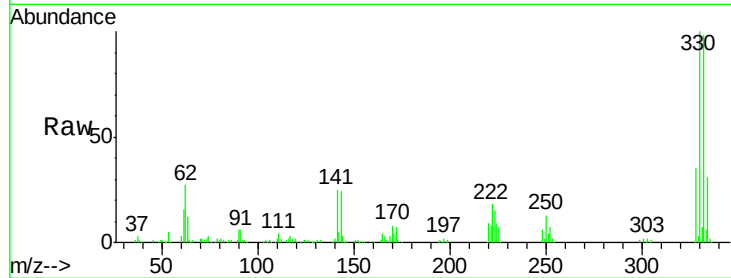




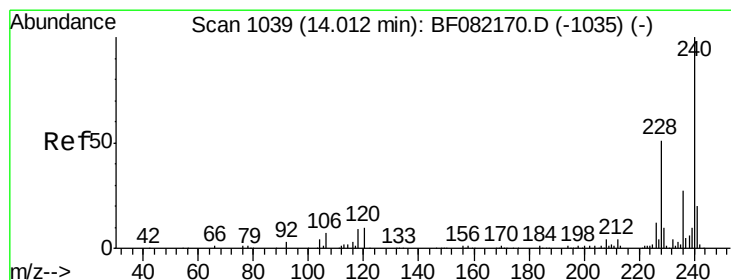
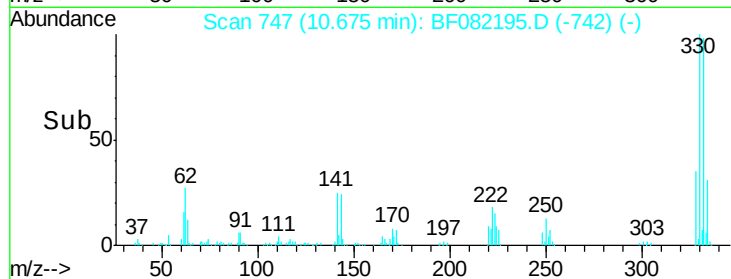
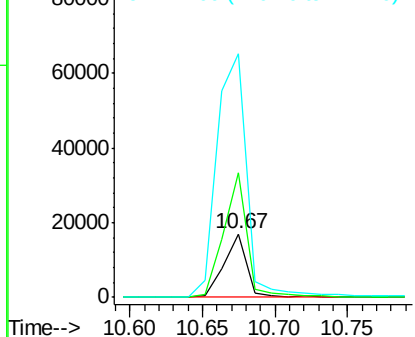
#66  
4-Bromophenyl-phenylether  
Concen: 4.52 ng  
RT: 10.67 min Scan# 747  
Delta R.T. -0.24 min  
Lab File: BF082195.D  
Acq: 11 Oct 2015 00:42

Instrument :  
BNA\_F  
ClientSampleId :  
A11COMP

Tot Ion:248 Resp: 18672  
Ion Ratio Lower Upper  
248 100  
250 196.6 78.6 117.8#  
141 383.3 63.3 94.9#

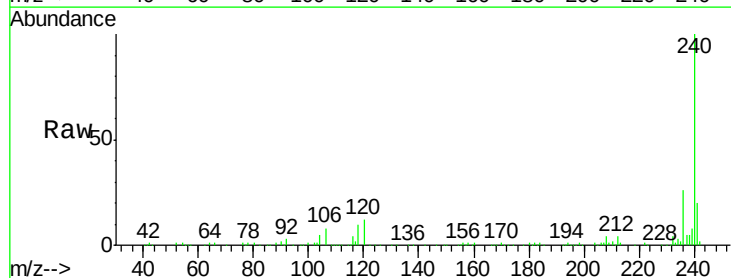


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

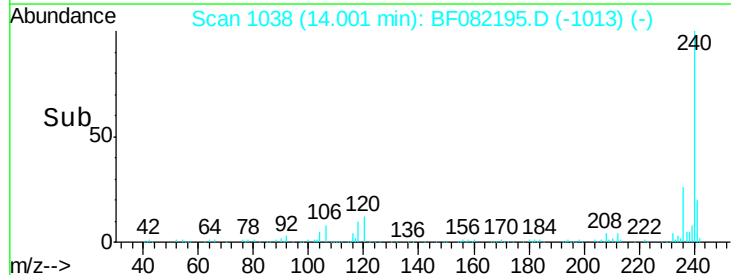
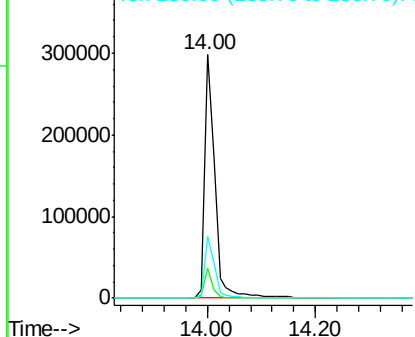


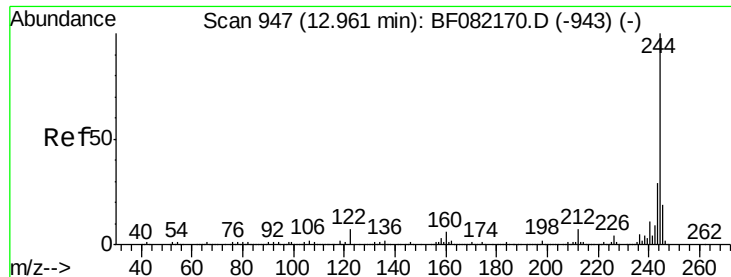
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.00 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: BF082195.D  
Acq: 11 Oct 2015 00:42

Tgt Ion:240 Resp: 382285  
Ion Ratio Lower Upper  
240 100  
120 12.1 8.1 12.1  
236 25.5 21.3 31.9



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: 91.48 ng

RT: 12.96 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF082195.D

Acq: 11 Oct 2015 00:42

Instrument :

BNA\_F

ClientSampled :

A11COMP

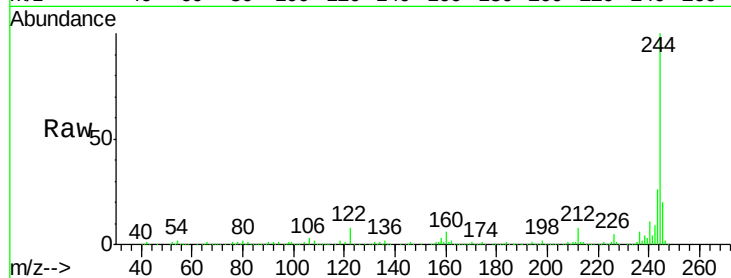
Tot Ion:244 Resp: 1319706

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

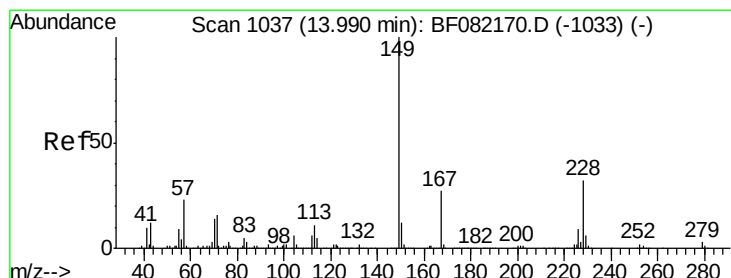
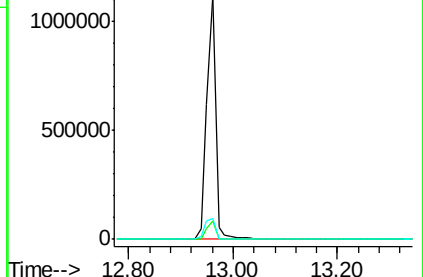
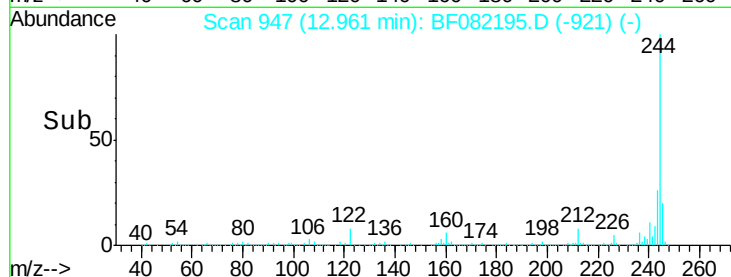
122 8.5 5.9 8.9



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.13 ng

RT: 13.98 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF082195.D

Acq: 11 Oct 2015 00:42

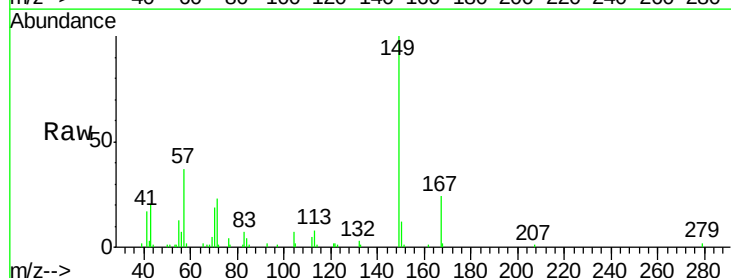
Tgt Ion:149 Resp: 75743

Ion Ratio Lower Upper

149 100

167 24.4 21.3 31.9

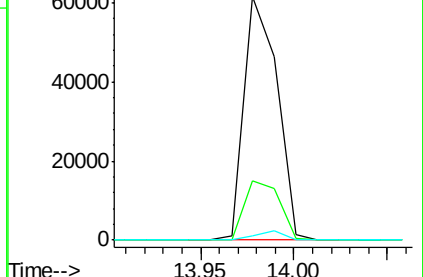
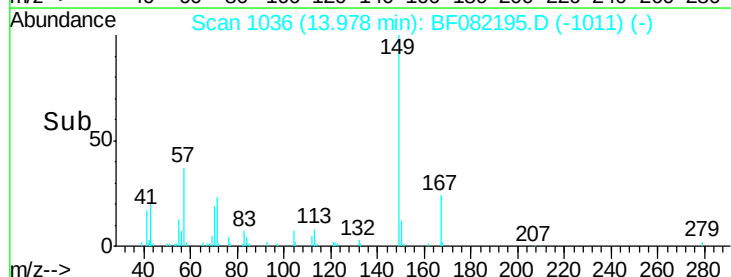
279 1.9 2.6 4.0#

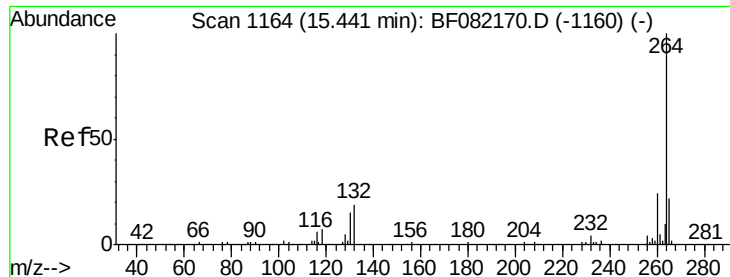


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

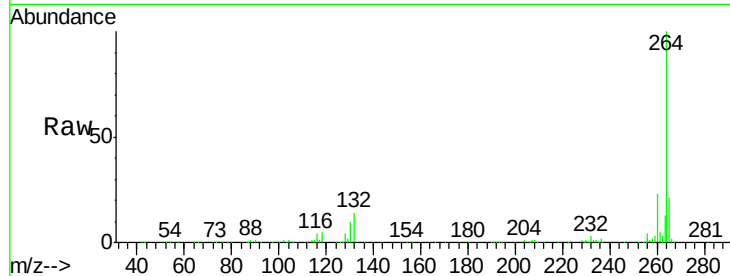




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.44 min Scan# 1164  
Delta R.T. 0.00 min  
Lab File: BF082195.D  
Acq: 11 Oct 2015 00:42

Instrument :  
BNA\_F  
ClientSampleId :  
A11COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.0  | 28.6  |
| 265     | 21.3  | 17.3  | 25.9  |



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

