

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083117\  
 Data File : BF098212.D  
 Acq On : 31 Aug 2017 23:27  
 Operator : SJ/JU  
 Sample : I5001-07  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 01 01:54:29 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 21 15:59:04 2017  
 Response via : Initial Calibration

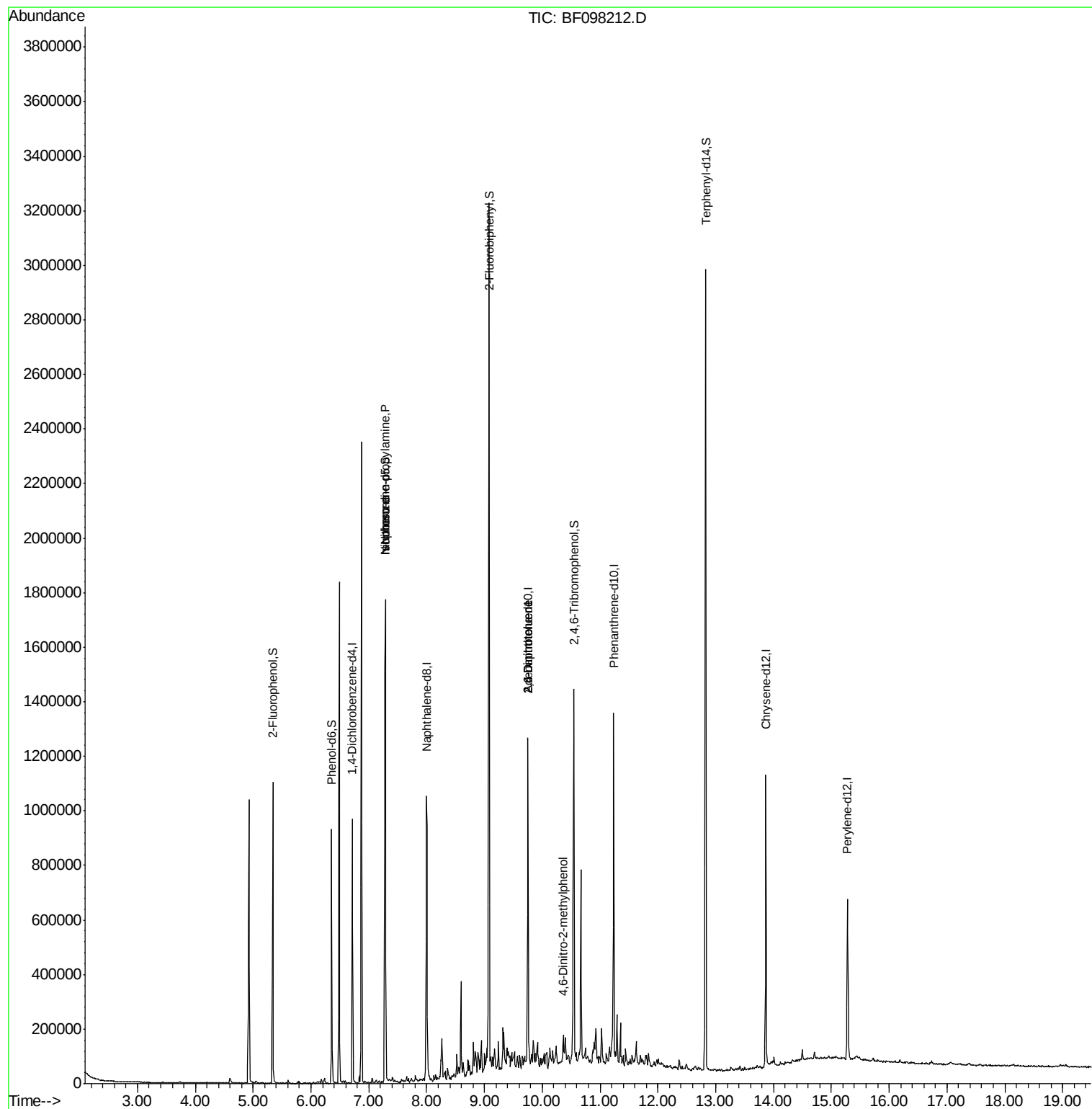
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 125442   | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8             | 8.00  | 136  | 511630   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10           | 9.75  | 164  | 240058   | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10           | 11.23 | 188  | 471326   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 13.87 | 240  | 340372   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 15.28 | 264  | 250723   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.34  | 112  | 310032   | 37.59  | ng    | -0.01    |
| 7) Phenol-d6                   | 6.36  | 99   | 313015   | 27.93  | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 702464   | 74.59  | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 149868   | 71.95  | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 1087074  | 66.53  | ng    | -0.03    |
| 78) Terphenyl-d14              | 12.83 | 244  | 1038370  | 63.62  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 93756    | 12.223 | ng    | # 70     |
| 25) Isophorone                 | 7.29  | 82   | 683125   | 34.883 | ng    | # 67     |
| 50) 2,6-Dinitrotoluene         | 9.75  | 165  | 30696    | 8.764  | ng    | # 38     |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 30696    | 6.983  | ng    | # 37     |
| 64) 4,6-Dinitro-2-methylphenol | 10.37 | 198  | 120      | 8.365  | ng    | # 1      |

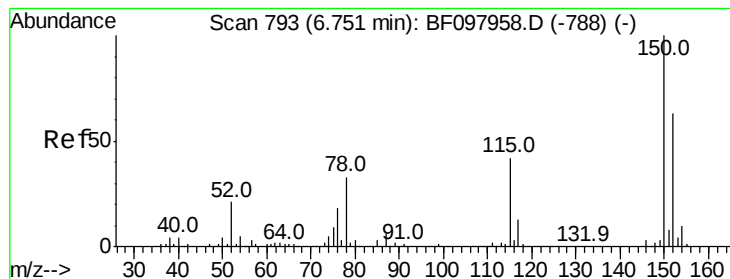
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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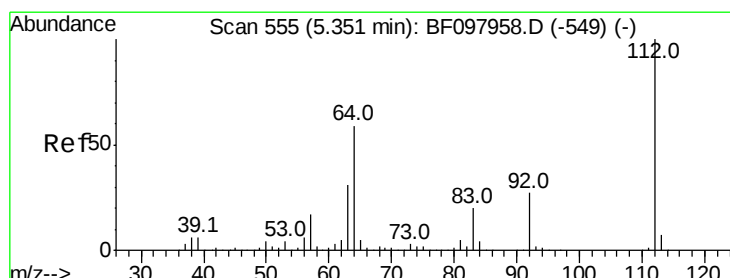
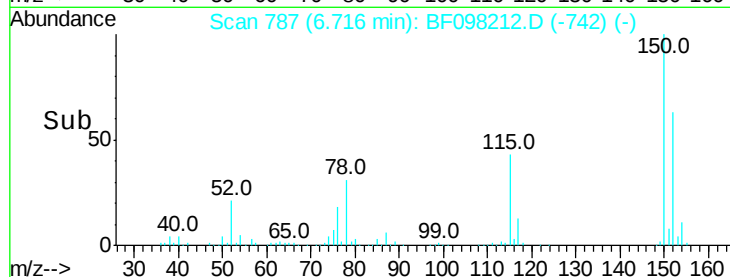
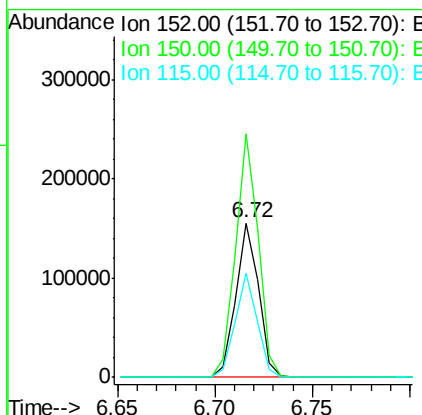
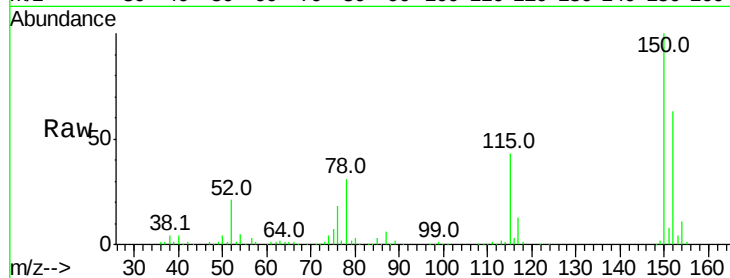


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 787  
 Delta R.T. -0.04 min  
 Lab File: BF098212.D  
 Acq: 31 Aug 2017 23:27

Instrument :  
 BNA\_F  
 ClientSampleId :

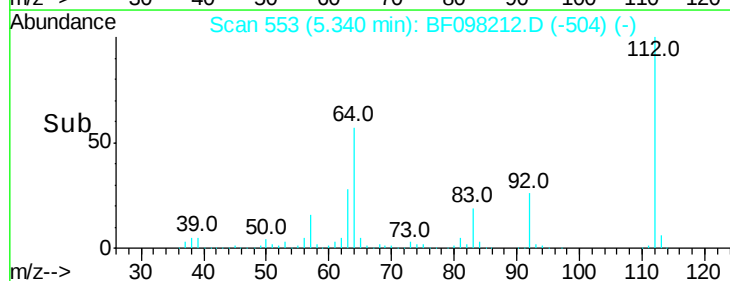
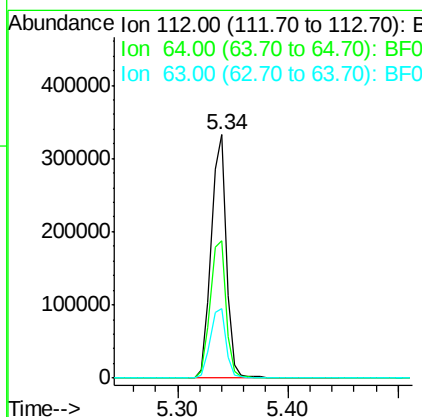
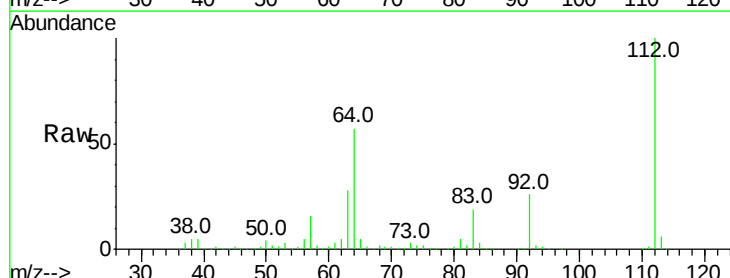
Tot Ion:152 Resp: 125442  
 Ion Ratio Lower Upper  
 152 100  
 150 158.0 126.2 189.2  
 115 67.3 52.2 78.2

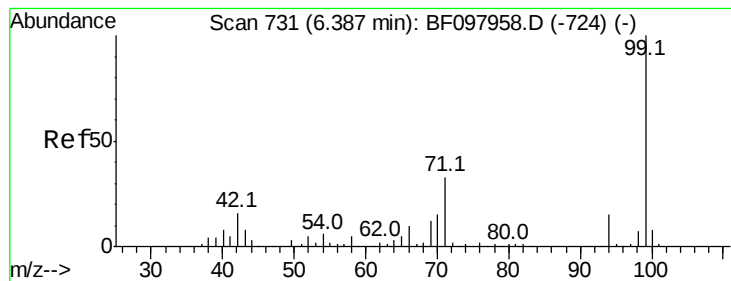


#5

2-Fluorophenol  
 Concen: 37.594 ng  
 RT: 5.34 min Scan# 553  
 Delta R.T. -0.01 min  
 Lab File: BF098212.D  
 Acq: 31 Aug 2017 23:27

Tgt Ion:112 Resp: 310032  
 Ion Ratio Lower Upper  
 112 100  
 64 56.6 46.0 69.0  
 63 28.4 23.4 35.0





#7

Phenol-d6

Concen: 27.935 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098212.D

Acq: 31 Aug 2017 23:27

Instrument :

BNA\_F

ClientSampleId :

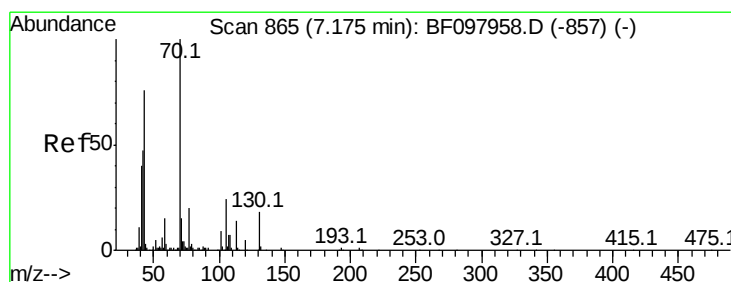
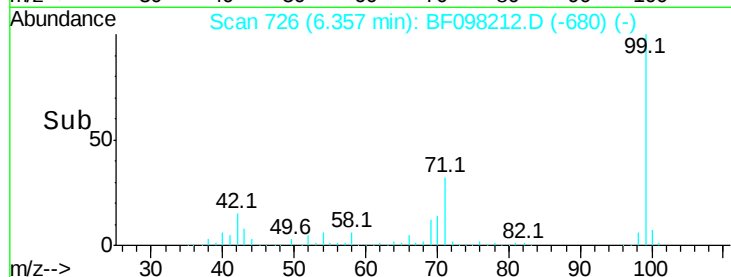
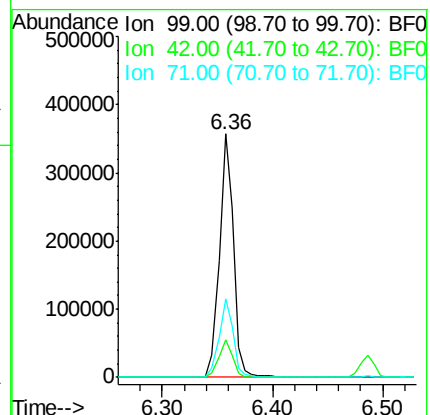
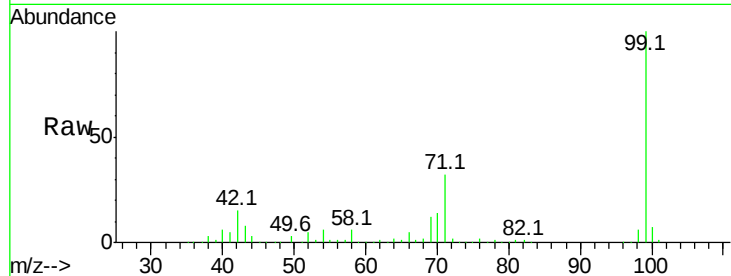
Tot Ion: 99 Resp: 313015

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

71 32.4 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.223 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098212.D

Acq: 31 Aug 2017 23:27

Tgt Ion: 70 Resp: 93756

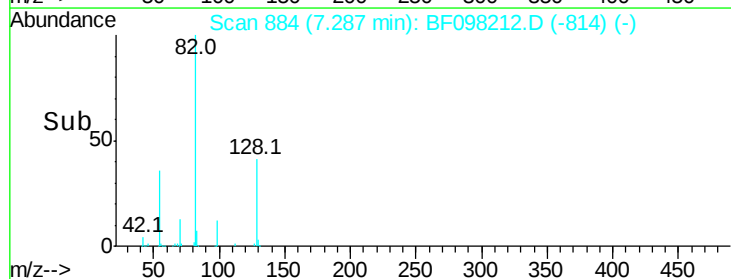
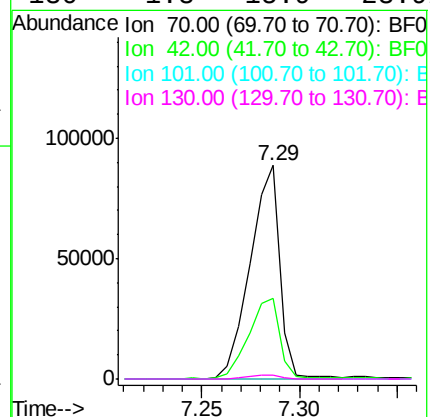
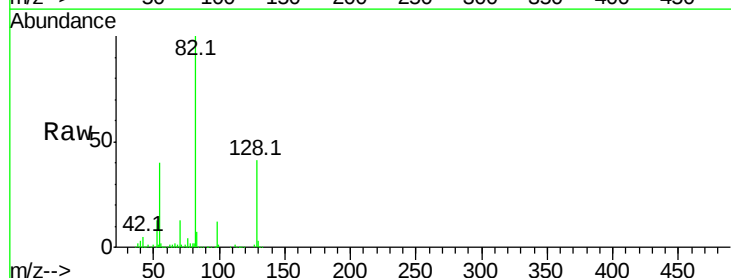
Ion Ratio Lower Upper

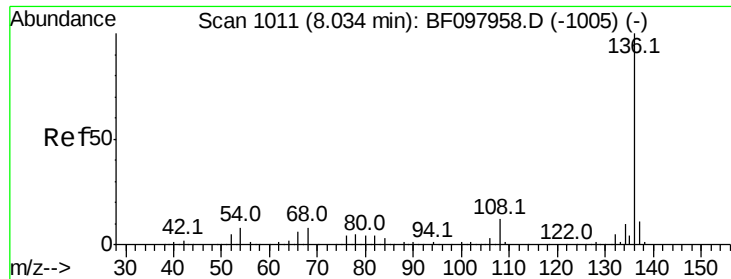
70 100

42 37.9 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

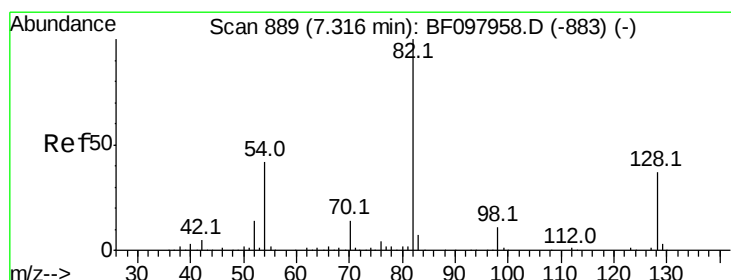
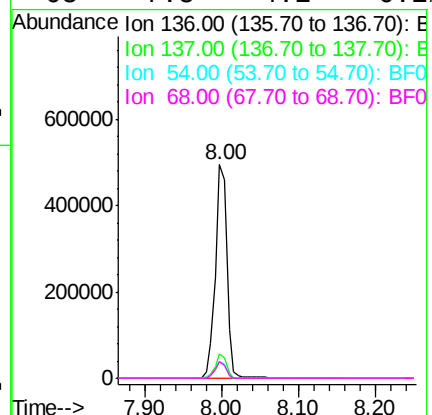
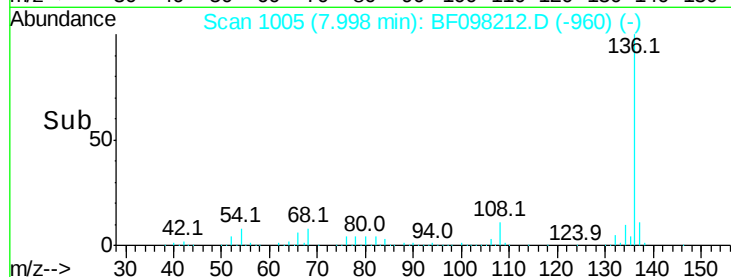
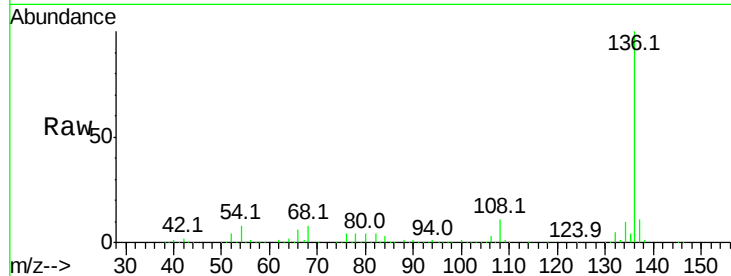




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. -0.04 min  
Lab File: BF098212.D  
Acq: 31 Aug 2017 23:27

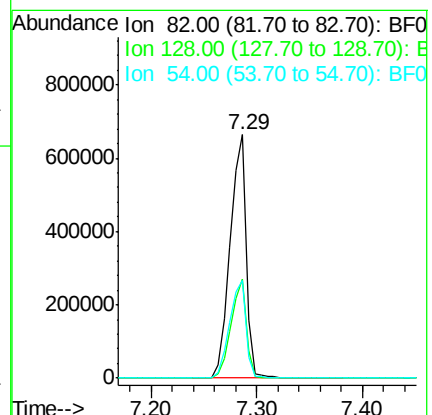
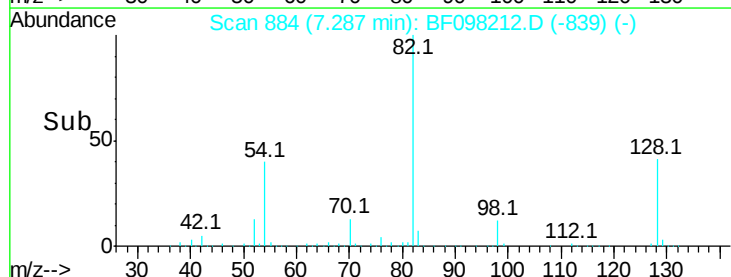
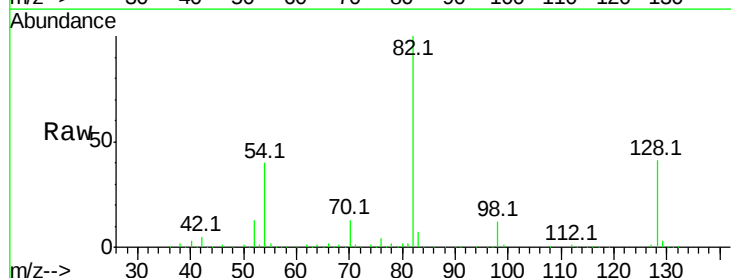
Instrument :  
BNA\_F  
ClientSampleId :

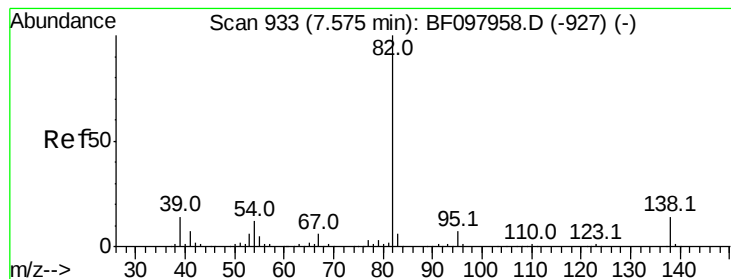
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 511630 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.5   | 12.7   |
| 54       | 7.6   | 4.9   | 7.3#   |
| 68       | 7.8   | 4.1   | 6.1#   |



#23  
Nitrobenzene-d5  
Concen: 74.587 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.04 min  
Lab File: BF098212.D  
Acq: 31 Aug 2017 23:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 702464 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 40.9  | 34.0  | 51.0   |
| 54       | 40.2  | 42.2  | 63.2#  |





#25

Isophorone

Concen: 34.883 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098212.D

Acq: 31 Aug 2017 23:27

Instrument :

BNA\_F

ClientSampleId :

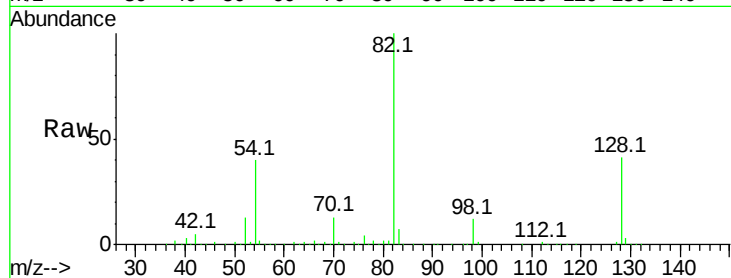
Tot Ion: 82 Resp: 683125

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

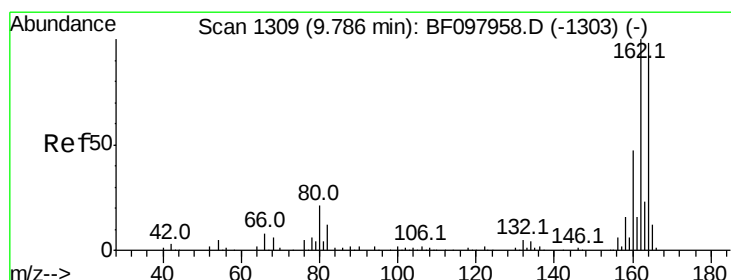
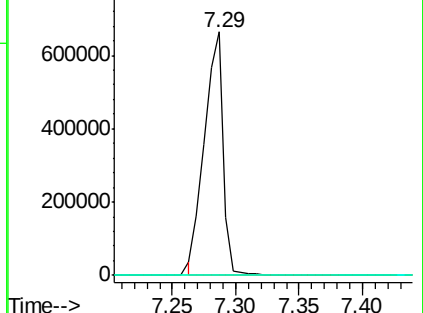
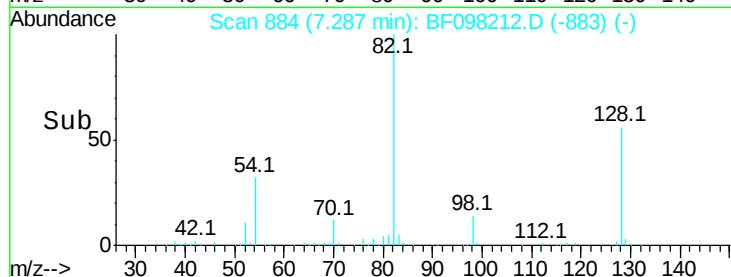
138 0.0 13.1 19.7#



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: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.04 min

Lab File: BF098212.D

Acq: 31 Aug 2017 23:27

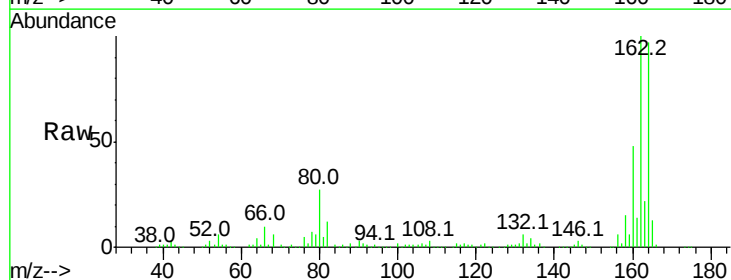
Tgt Ion:164 Resp: 240058

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

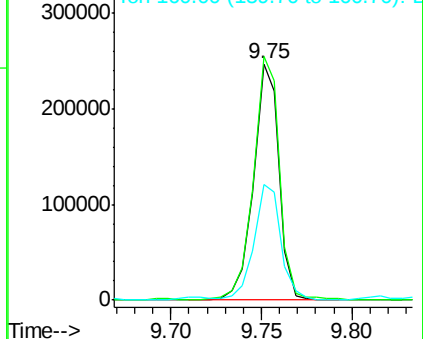
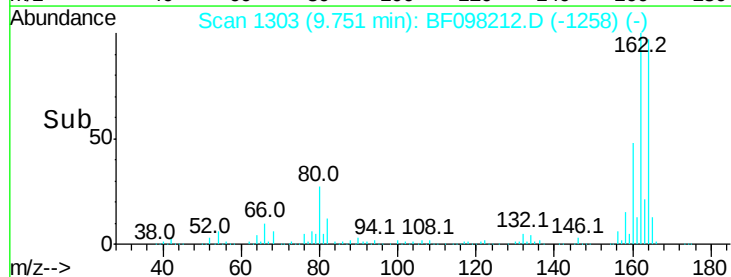
160 49.1 36.2 54.2



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

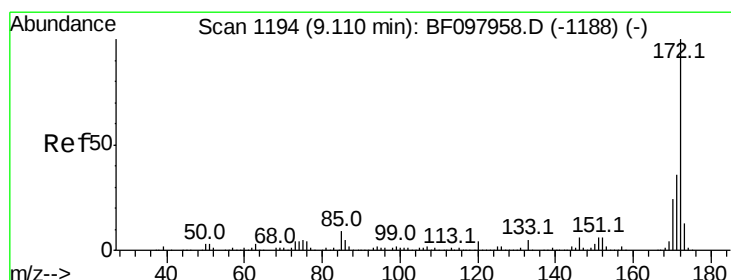
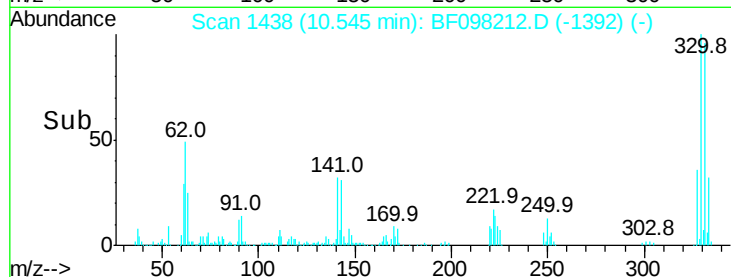
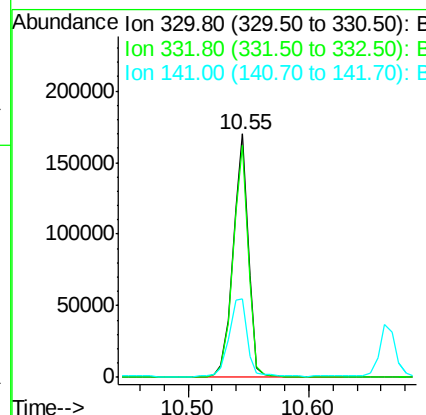
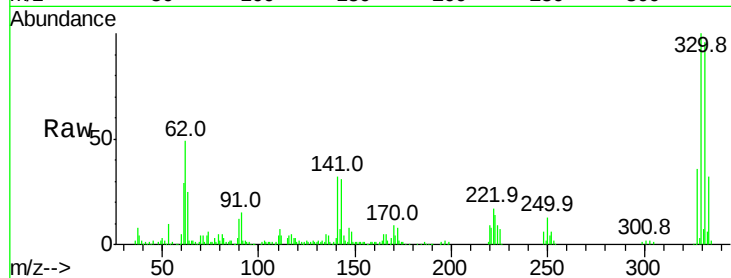




#41  
 2,4,6-Tribromophenol  
 Concen: 71.952 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.03 min  
 Lab File: BF098212.D  
 Acq: 31 Aug 2017 23:27

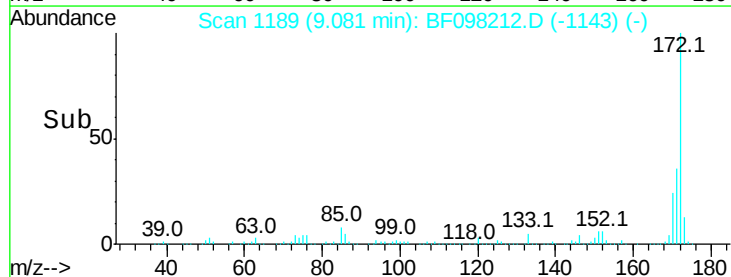
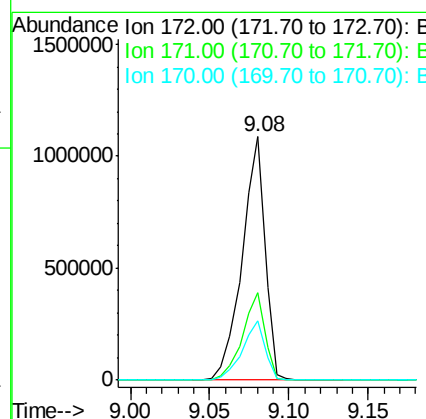
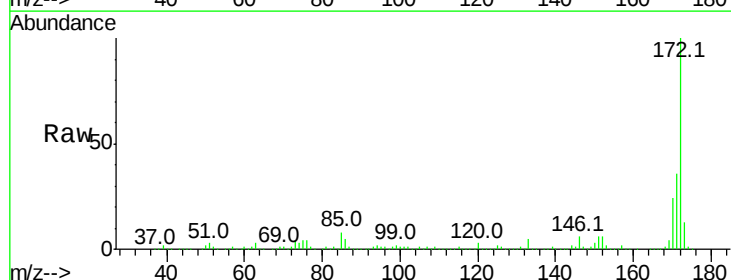
Instrument :  
 BNA\_F  
 ClientSampleId :

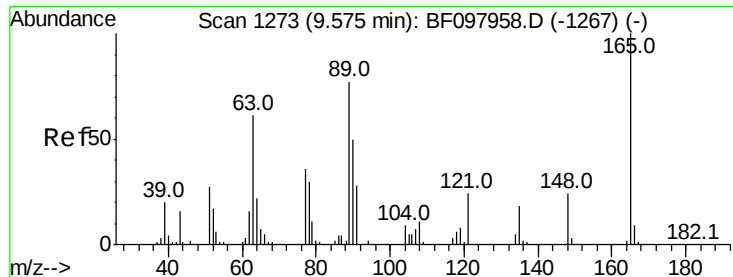
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 76.6  | 115.0 |
| 141     | 39.0  | 31.4  | 47.2  |



#44  
 2-Fluorobiphenyl  
 Concen: 66.531 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.03 min  
 Lab File: BF098212.D  
 Acq: 31 Aug 2017 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.6  | 44.4  |
| 170     | 24.2  | 19.8  | 29.8  |

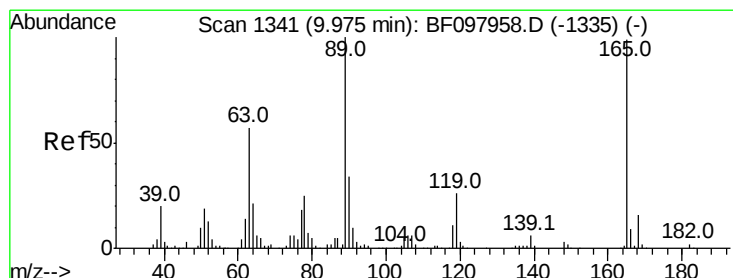
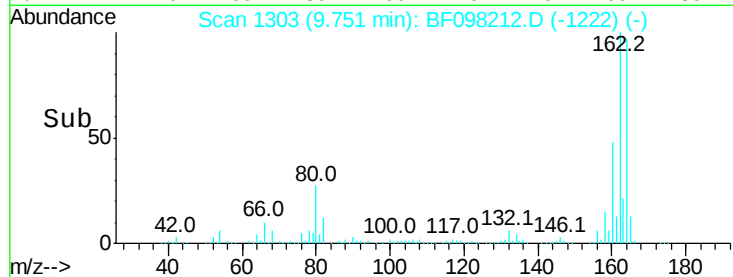
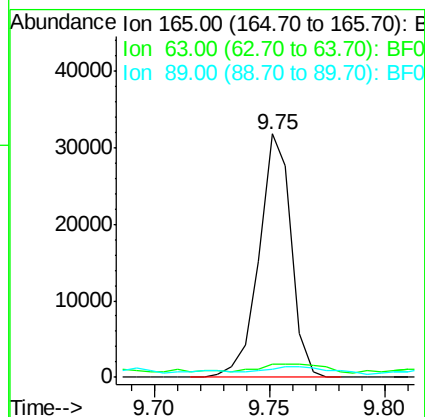
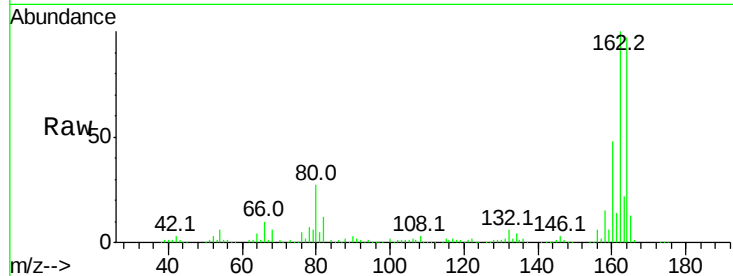




#50  
 2,6-Dinitrotoluene  
 Concen: 8.764 ng  
 RT: 9.75 min Scan# 1303  
 Delta R.T. 0.18 min  
 Lab File: BF098212.D  
 Acq: 31 Aug 2017 23:27

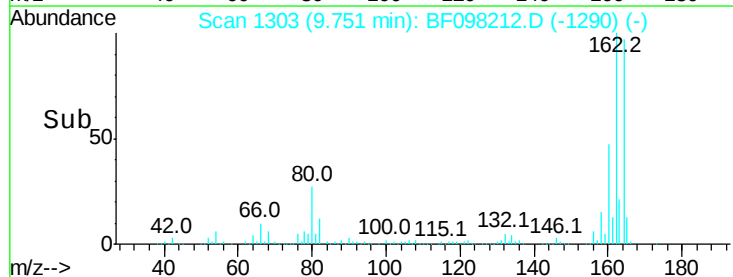
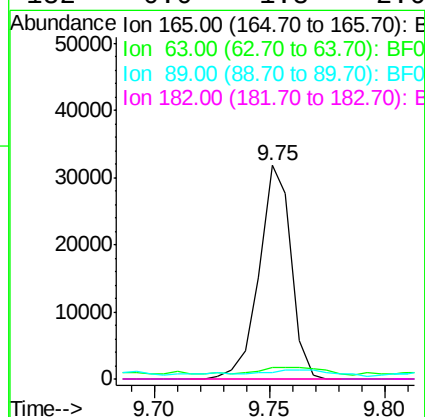
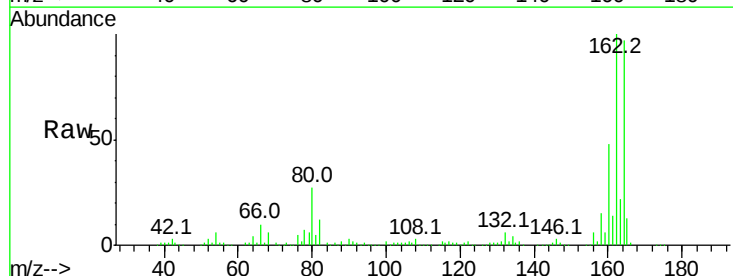
Instrument :  
 BNA\_F  
 ClientSampleId :

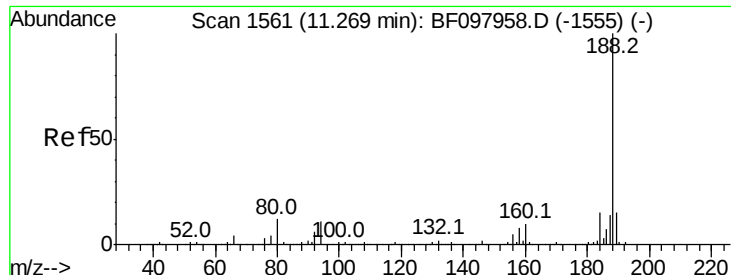
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 5.2   | 34.3  | 51.5# |
| 89      | 3.2   | 37.1  | 55.7# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.983 ng  
 RT: 9.75 min Scan# 1303  
 Delta R.T. -0.22 min  
 Lab File: BF098212.D  
 Acq: 31 Aug 2017 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 5.2   | 25.4  | 38.0# |
| 89      | 3.2   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |

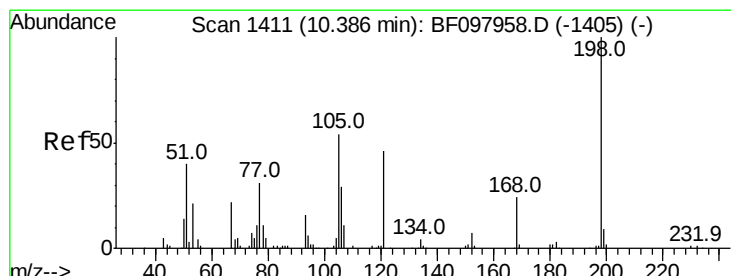
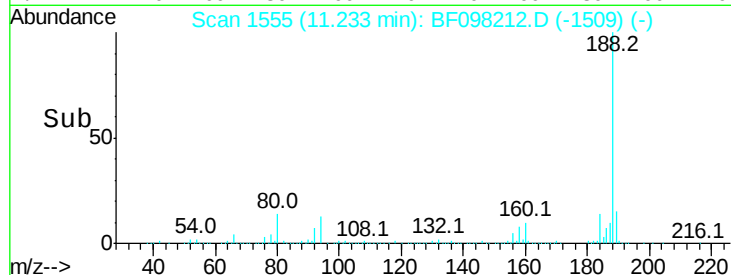
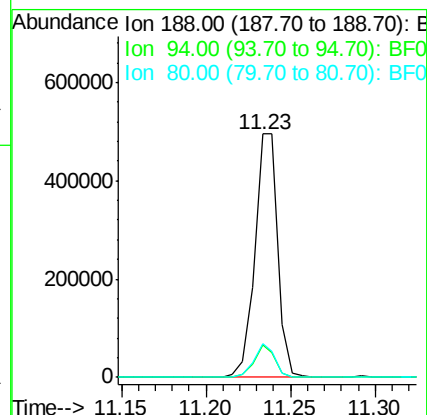
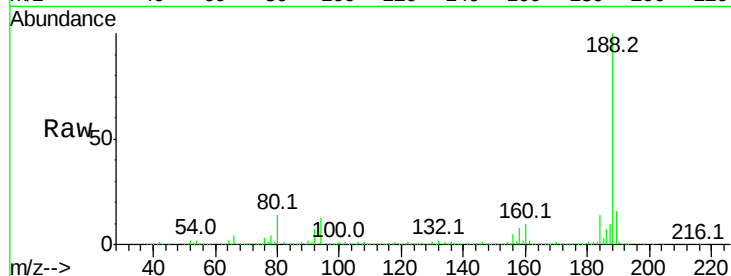




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.23 min Scan# 1555  
 Delta R.T. -0.03 min  
 Lab File: BF098212.D  
 Acq: 31 Aug 2017 23:27

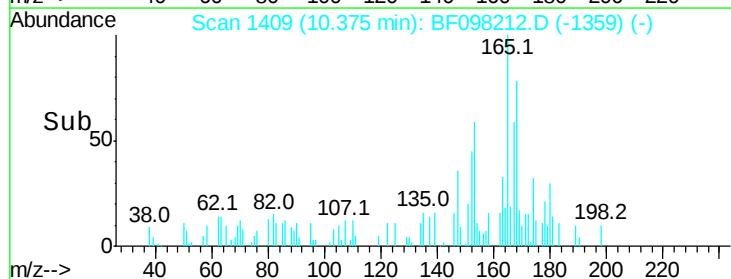
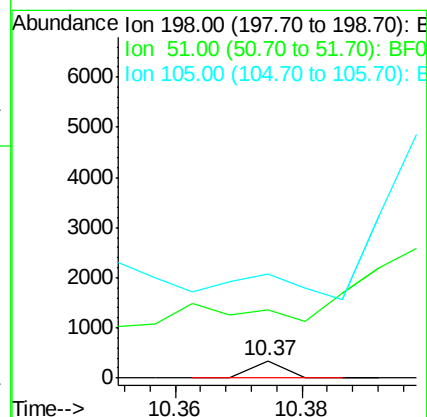
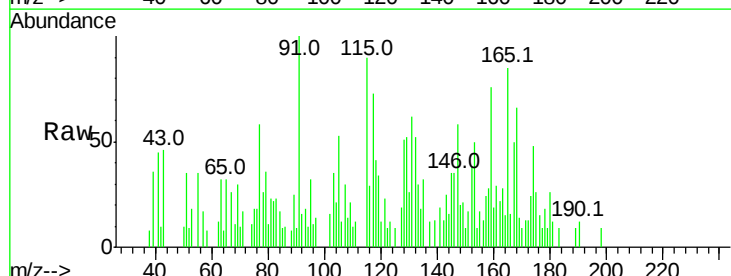
Instrument :  
 BNA\_F  
 ClientSampleId :

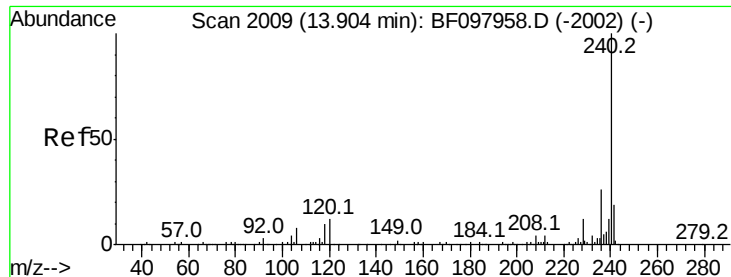
Tot Ion:188 Resp: 471326  
 Ion Ratio Lower Upper  
 188 100  
 94 13.1 9.4 14.2  
 80 14.0 10.2 15.2



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.365 ng  
 RT: 10.37 min Scan# 1409  
 Delta R.T. -0.01 min  
 Lab File: BF098212.D  
 Acq: 31 Aug 2017 23:27

Tgt Ion:198 Resp: 120  
 Ion Ratio Lower Upper  
 198 100  
 51 400.6 53.2 93.2#  
 105 610.6 45.8 85.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098212.D

Acq: 31 Aug 2017 23:27

Instrument :

BNA\_F

ClientSampleId :

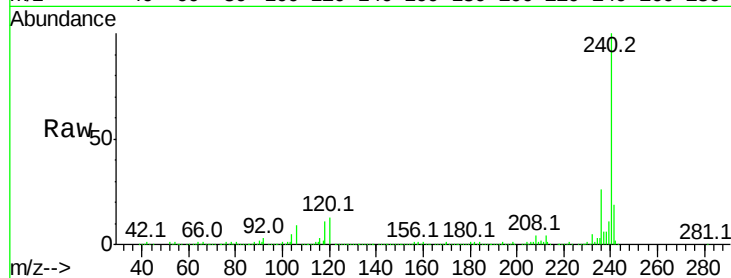
Tot Ion:240 Resp: 340372

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

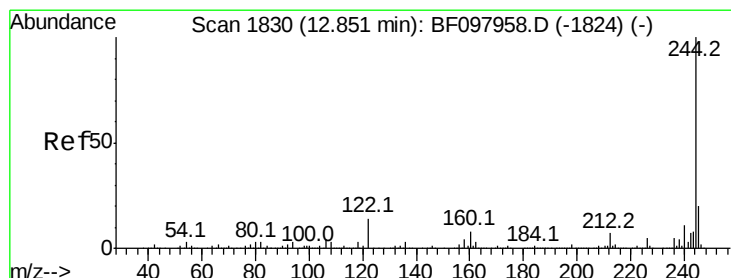
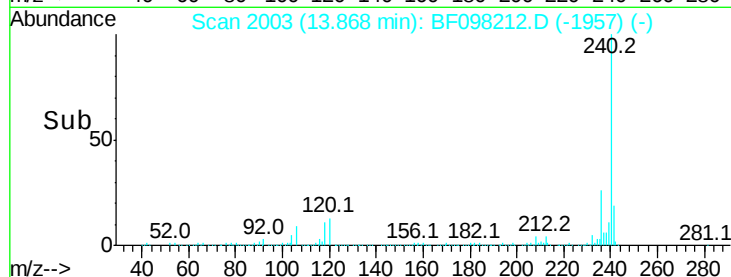
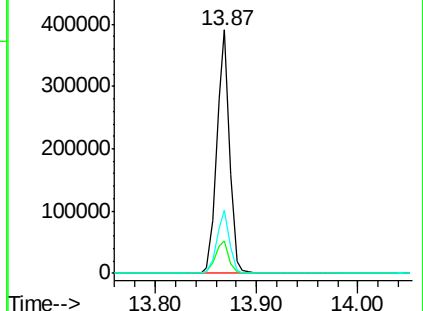
236 26.1 20.5 30.7



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: 63.617 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF098212.D

Acq: 31 Aug 2017 23:27

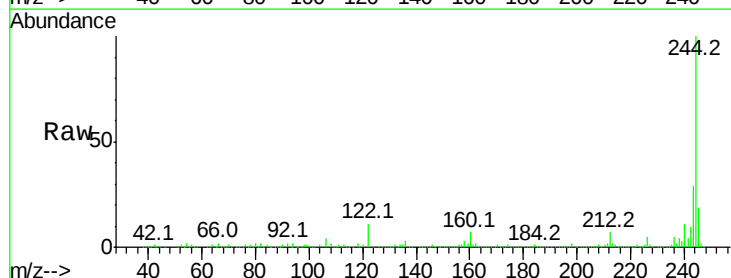
Tgt Ion:244 Resp: 1038370

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

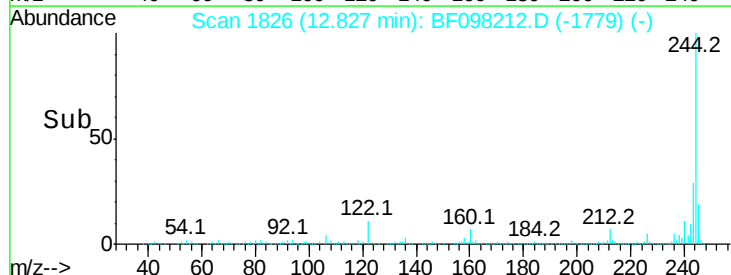
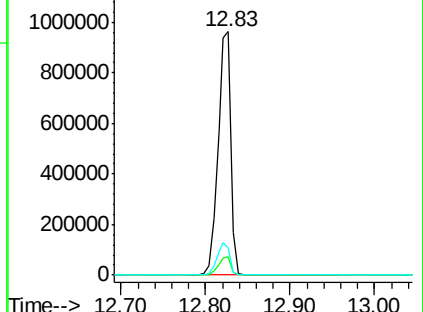
122 11.5 10.3 15.5

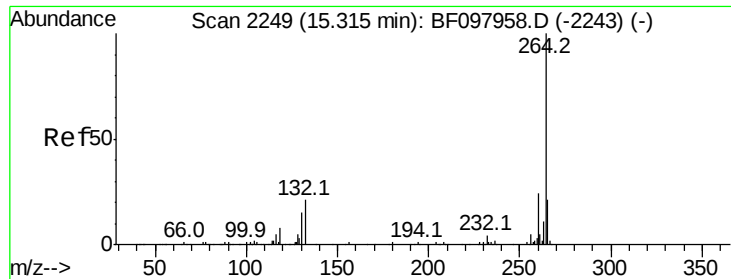


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.28 min Scan# 2243  
Delta R.T. -0.03 min  
Lab File: BF098212.D  
Acq: 31 Aug 2017 23:27

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.5  | 29.3  |
| 265     | 21.4  | 17.2  | 25.8  |

