

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\  
 Data File : BF098358.D  
 Acq On : 8 Sep 2017 18:47  
 Operator : SJ/JU  
 Sample : I5071-03 5X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

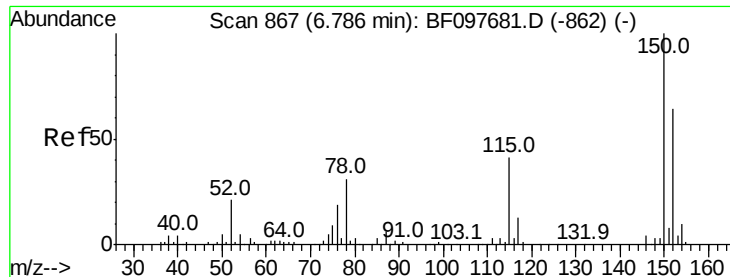
Instrument :  
 BNA\_F  
 ClientSampleId :  
 G61A-0-1.5

Quant Time: Sep 08 23:59:04 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 05 17:28:20 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.68  | 152  | 112233   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.96  | 136  | 414960   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.72  | 164  | 162393   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.20 | 188  | 249810   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 13.83 | 240  | 236936   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 15.24 | 264  | 223627   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.28  | 112  | 172612   | 23.39  | ng    | -0.02    |
| 7) Phenol-d6                   | 6.32  | 99   | 233956   | 23.34  | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.25  | 82   | 137302   | 17.97  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.50 | 330  | 28113    | 19.95  | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 9.04  | 172  | 218499   | 19.77  | ng    | -0.03    |
| 78) Terphenyl-d14              | 12.78 | 244  | 128986   | 11.35  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.25  | 70   | 17357    | 2.529  | ng    | # 70     |
| 25) Isophorone                 | 7.25  | 82   | 137300   | 8.644  | ng    | # 67     |
| 49) Dimethylphthalate          | 9.44  | 163  | 29793    | 2.510  | ng    | # 99     |
| 50) 2,6-Dinitrotoluene         | 9.72  | 165  | 20520    | 8.660  | ng    | # 34     |
| 56) 2,4-Dinitrotoluene         | 9.72  | 165  | 20520    | 6.901  | ng    | # 33     |
| 79) Butylbenzylphthalate       | 13.26 | 149  | 276853   | 37.262 | ng    | # 78     |
| 83) Bis(2-ethylhexyl)phthalate | 13.83 | 149  | 130494   | 15.850 | ng    | # 58     |
| 84) Di-n-octyl phthalate       | 14.43 | 149  | 194829   | 13.600 | ng    | # 100    |

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



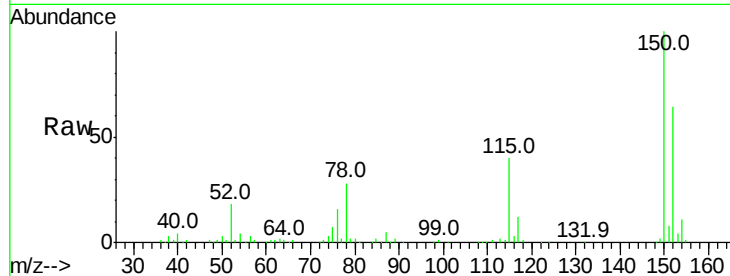


#1

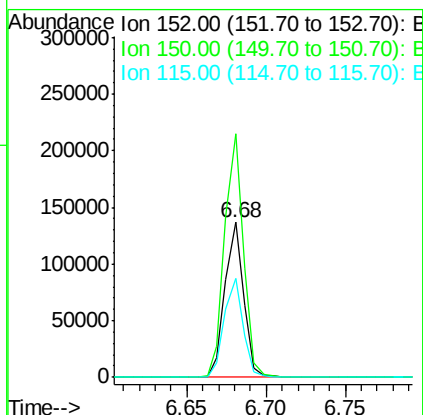
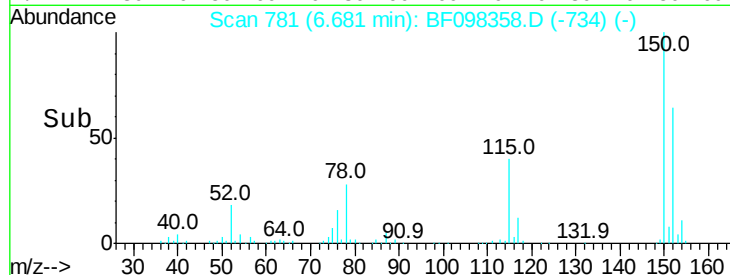
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.68 min Scan# 781  
 Delta R.T. -0.02 min  
 Lab File: BF098358.D  
 Acq: 8 Sep 2017 18:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G61A-0-1.5

Tot Ion:152 Resp: 112233  
 Ion Ratio Lower Upper  
 152 100  
 150 157.0 126.2 189.2  
 115 63.5 52.2 78.2



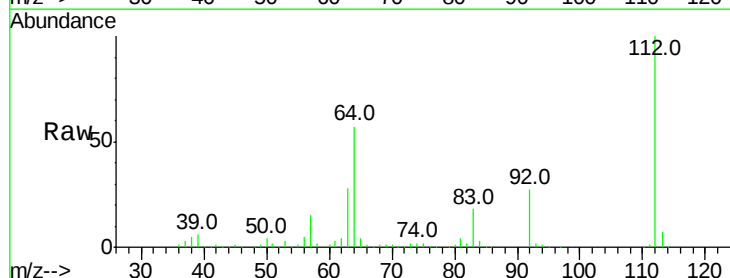
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



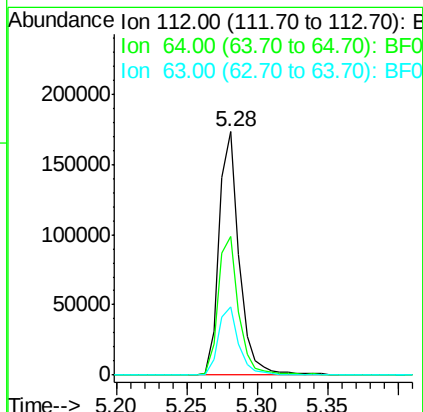
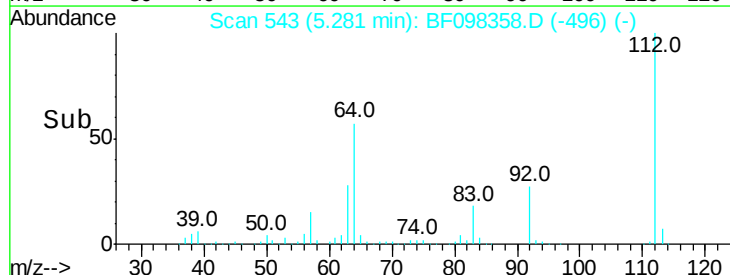
#5

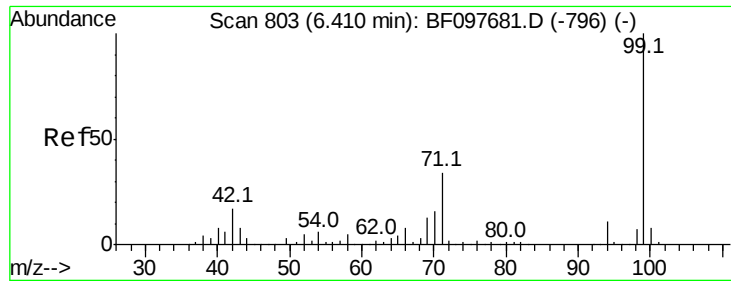
2-Fluorophenol  
 Concen: 23.394 ng  
 RT: 5.28 min Scan# 543  
 Delta R.T. -0.02 min  
 Lab File: BF098358.D  
 Acq: 8 Sep 2017 18:47

Tgt Ion:112 Resp: 172612  
 Ion Ratio Lower Upper  
 112 100  
 64 56.8 46.0 69.0  
 63 28.2 23.4 35.0



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: 23.337 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF098358.D

Acq: 8 Sep 2017 18:47

Instrument :

BNA\_F

ClientSampleId :

G61A-0-1.5

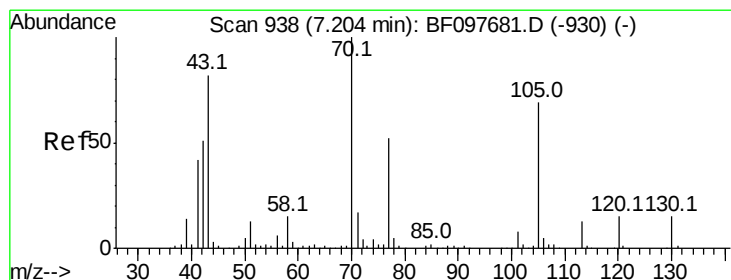
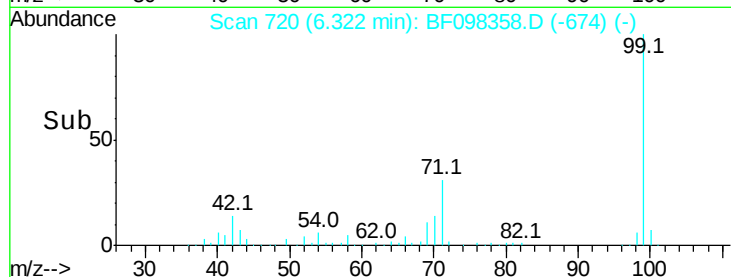
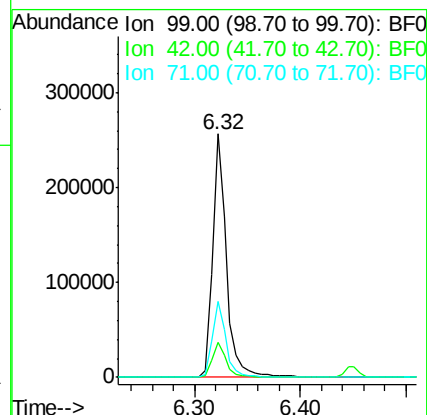
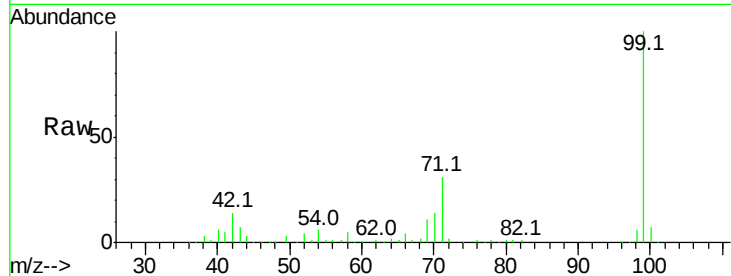
Tot Ion: 99 Resp: 233956

Ion Ratio Lower Upper

99 100

42 14.2 13.5 20.3

71 31.0 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.529 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.12 min

Lab File: BF098358.D

Acq: 8 Sep 2017 18:47

Tgt Ion: 70 Resp: 17357

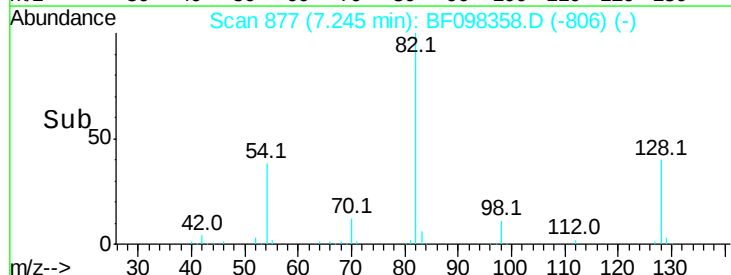
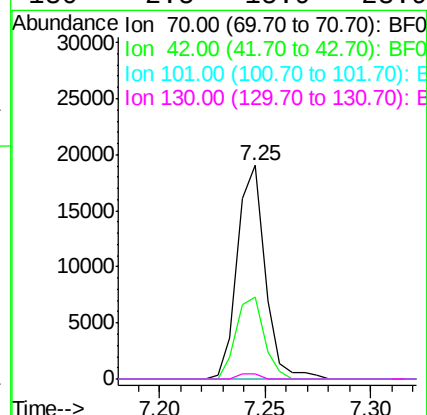
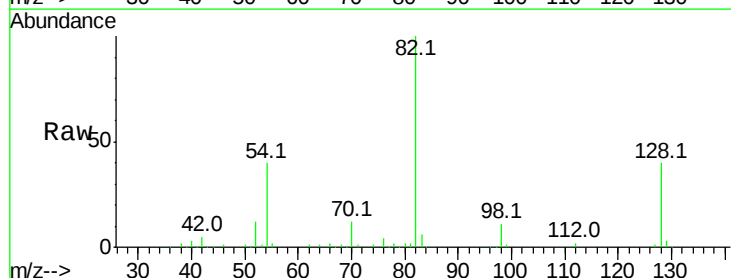
Ion Ratio Lower Upper

70 100

42 38.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

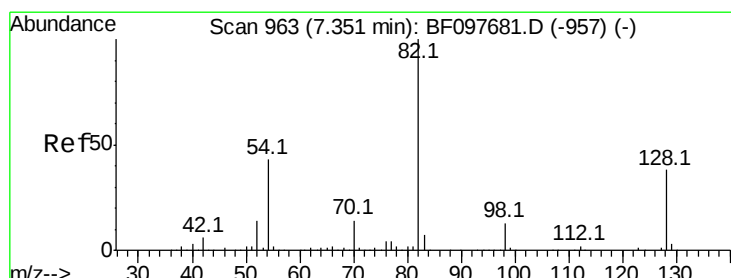
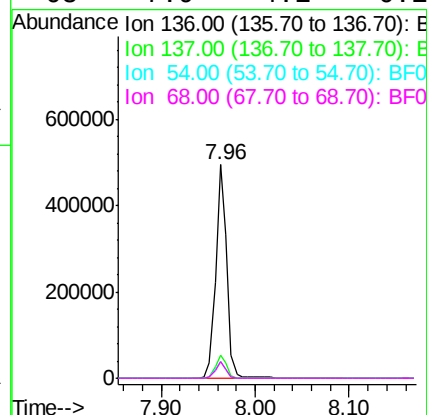
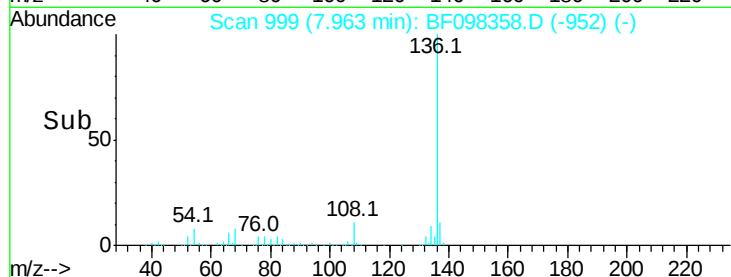
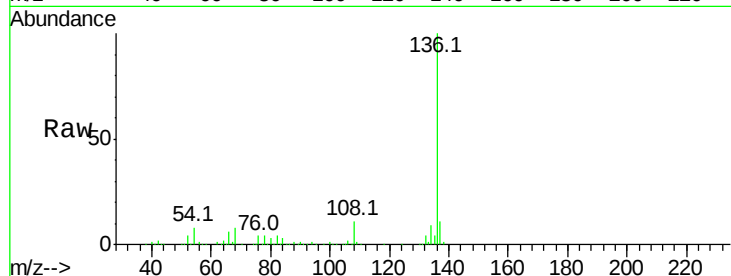




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.96 min Scan# 999  
Delta R.T. -0.02 min  
Lab File: BF098358.D  
Acq: 8 Sep 2017 18:47

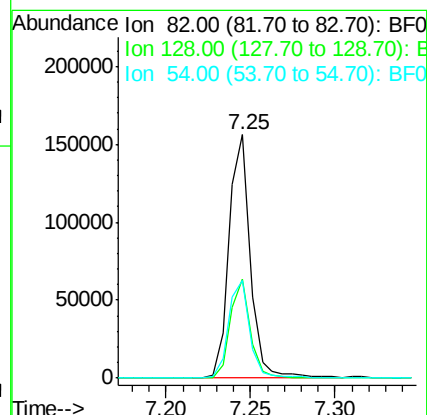
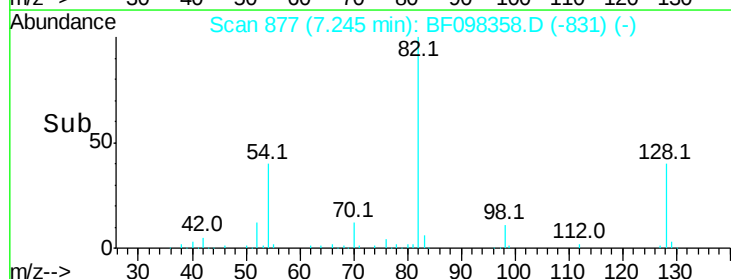
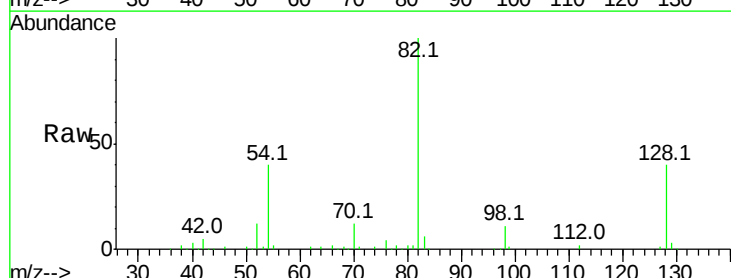
Instrument :  
BNA\_F  
ClientSampleId :  
G61A-0-1.5

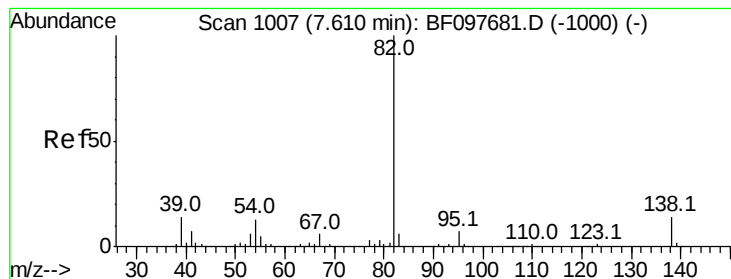
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 414960 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.5   | 12.7   |
| 54       | 7.9   | 4.9   | 7.3#   |
| 68       | 7.9   | 4.1   | 6.1#   |



#23  
Nitrobenzene-d5  
Concen: 17.975 ng  
RT: 7.25 min Scan# 877  
Delta R.T. -0.03 min  
Lab File: BF098358.D  
Acq: 8 Sep 2017 18:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 137302 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 40.4  | 34.0  | 51.0   |
| 54       | 40.3  | 42.2  | 63.2#  |





#25

Isophorone

Concen: 8.644 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.29 min

Lab File: BF098358.D

Acq: 8 Sep 2017 18:47

Instrument :

BNA\_F

ClientSampleId :

G61A-0-1.5

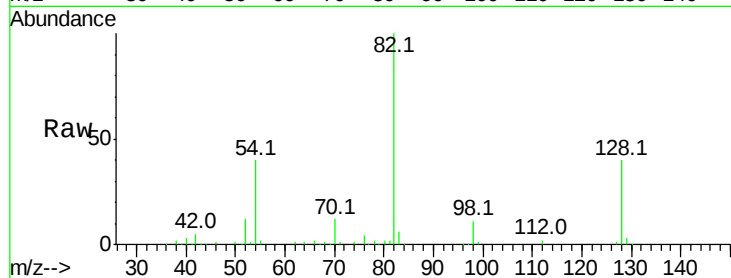
Tot Ion: 82 Resp: 137300

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

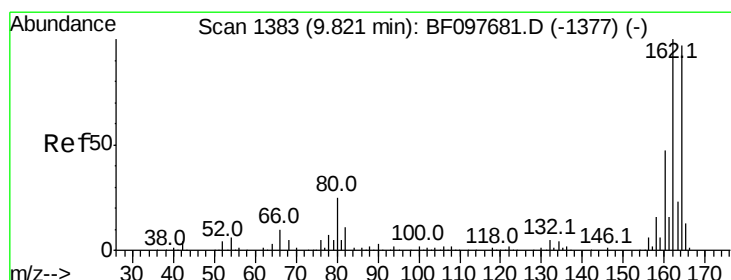
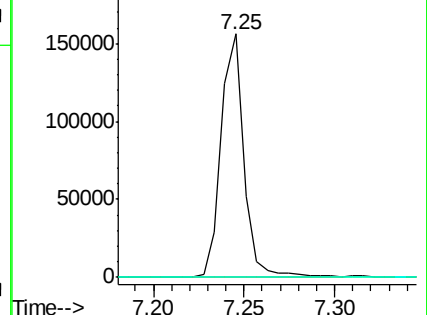
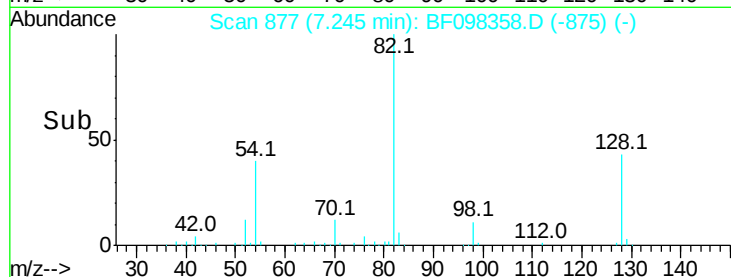
138 0.0 13.1 19.7#



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: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF098358.D

Acq: 8 Sep 2017 18:47

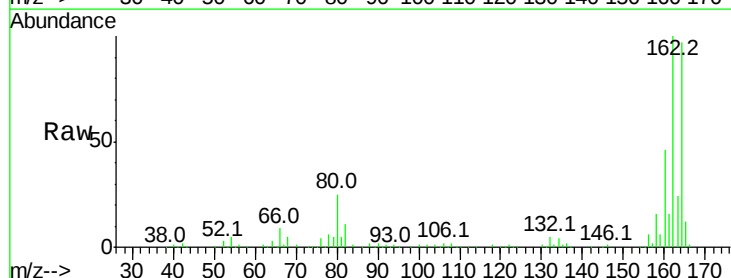
Tgt Ion: 164 Resp: 162393

Ion Ratio Lower Upper

164 100

162 103.5 82.6 123.8

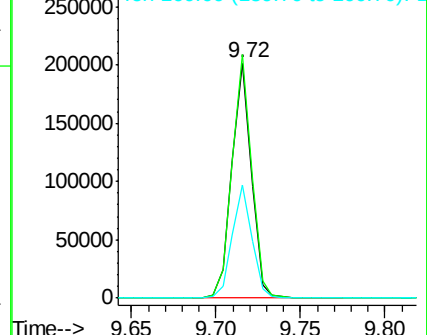
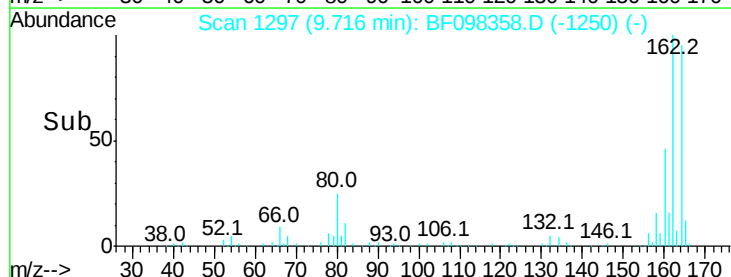
160 48.0 36.2 54.2

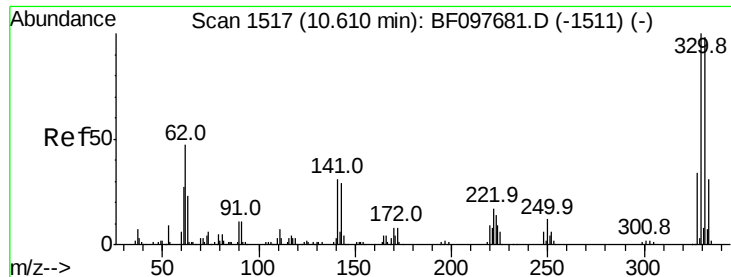


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

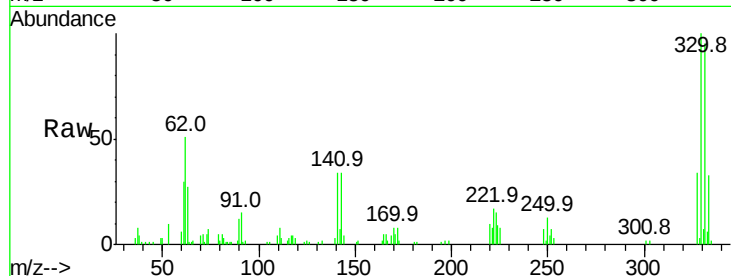




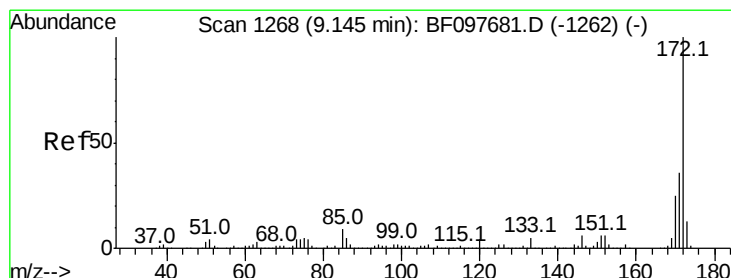
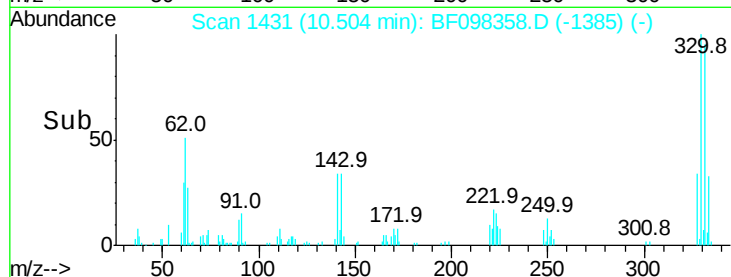
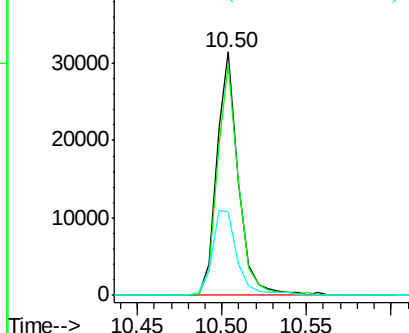
#41  
 2,4,6-Tribromophenol  
 Concen: 19.952 ng  
 RT: 10.50 min Scan# 1431  
 Delta R.T. -0.03 min  
 Lab File: BF098358.D  
 Acq: 8 Sep 2017 18:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G61A-0-1.5

Tot Ion:330 Resp: 28113  
 Ion Ratio Lower Upper  
 330 100  
 332 93.7 76.6 115.0  
 141 40.4 31.4 47.2

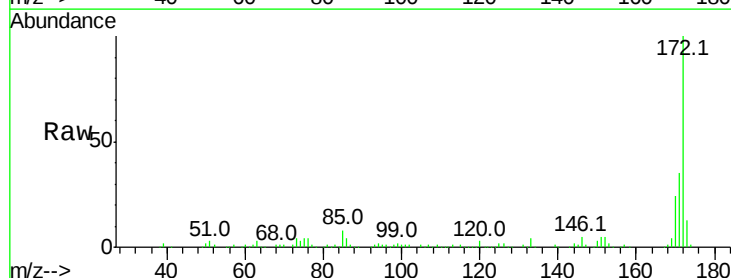


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

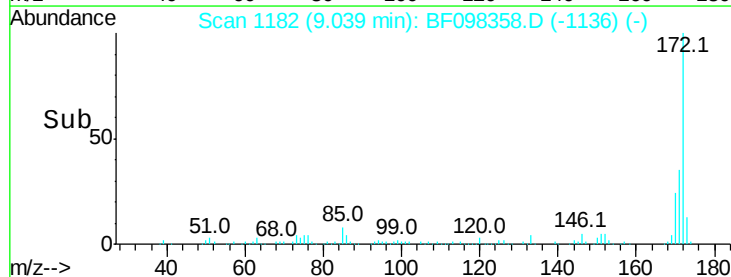
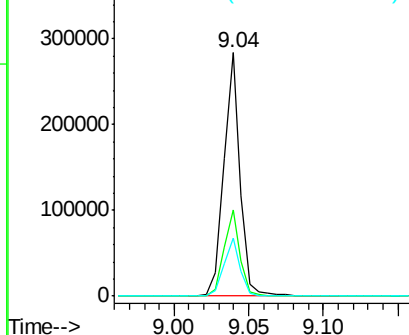


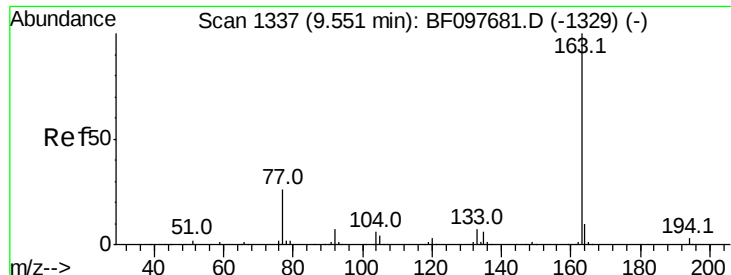
#44  
 2-Fluorobiphenyl  
 Concen: 19.768 ng  
 RT: 9.04 min Scan# 1182  
 Delta R.T. -0.03 min  
 Lab File: BF098358.D  
 Acq: 8 Sep 2017 18:47

Tgt Ion:172 Resp: 218499  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.6 44.4  
 170 24.1 19.8 29.8



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: 2.510 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.04 min

Lab File: BF098358.D

Acq: 8 Sep 2017 18:47

Instrument :

BNA\_F

ClientSampleId :

G61A-0-1.5

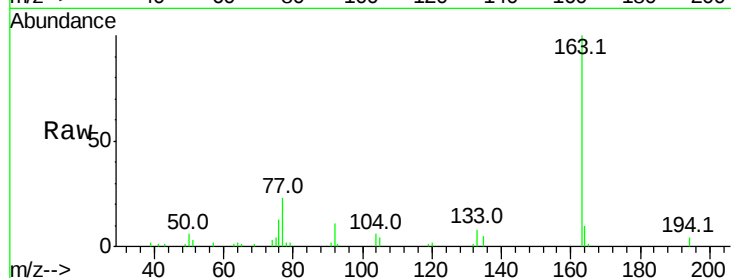
Tot Ion:163 Resp: 29793

Ion Ratio Lower Upper

163 100

194 3.9 2.6 4.0

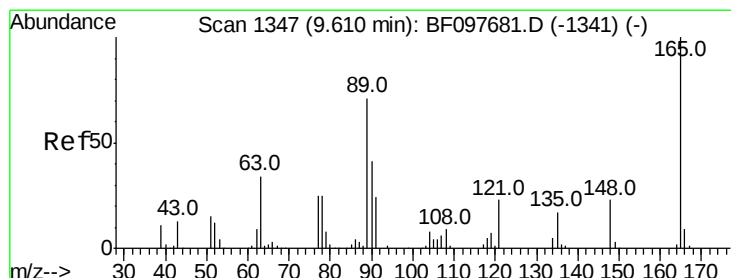
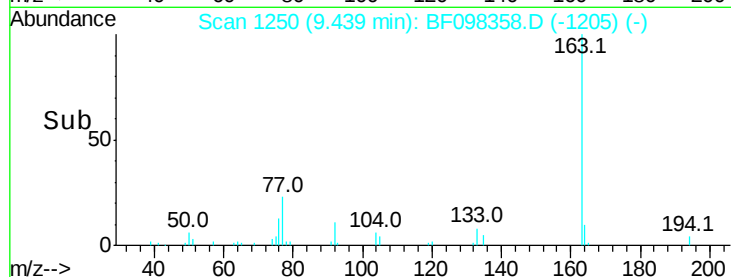
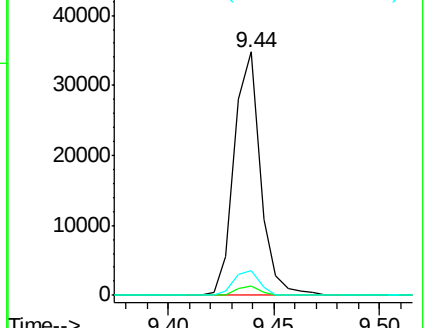
164 10.0 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 8.660 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.18 min

Lab File: BF098358.D

Acq: 8 Sep 2017 18:47

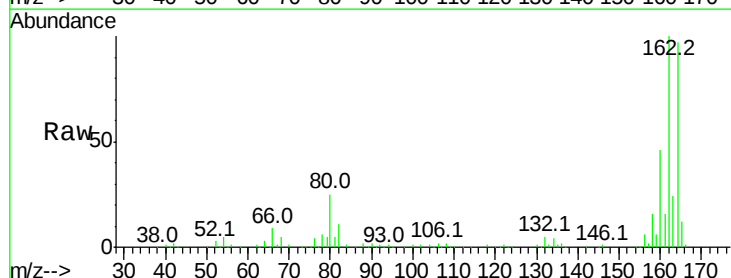
Tgt Ion:165 Resp: 20520

Ion Ratio Lower Upper

165 100

63 1.2 34.3 51.5#

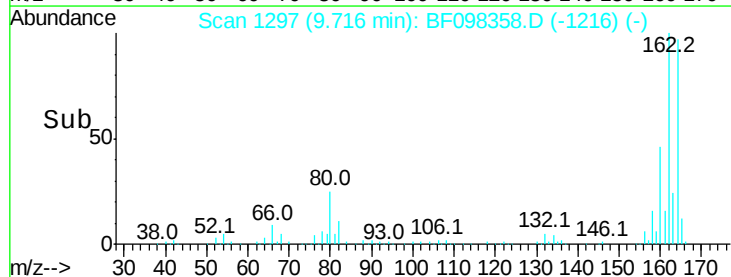
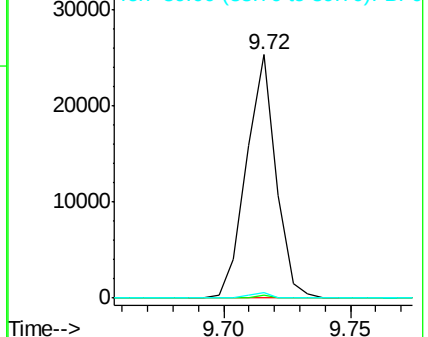
89 2.1 37.1 55.7#

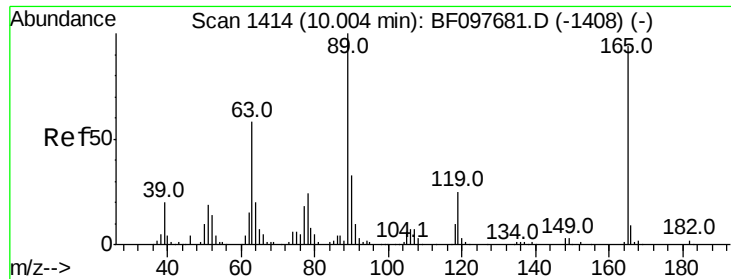


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

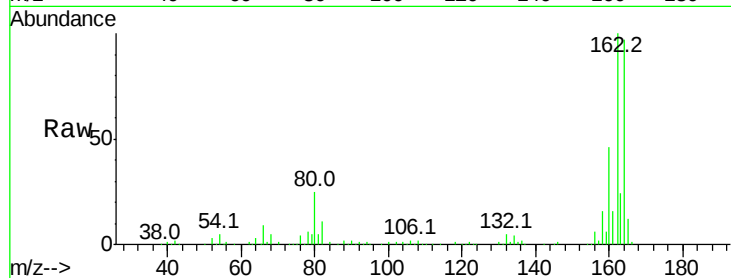




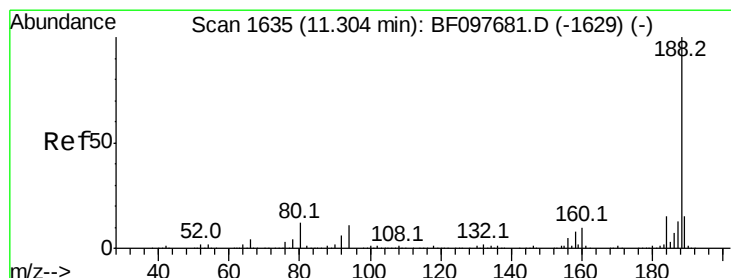
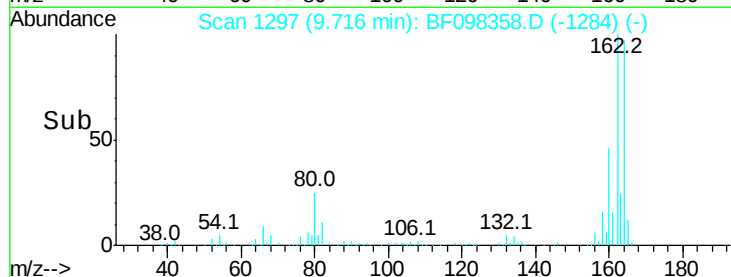
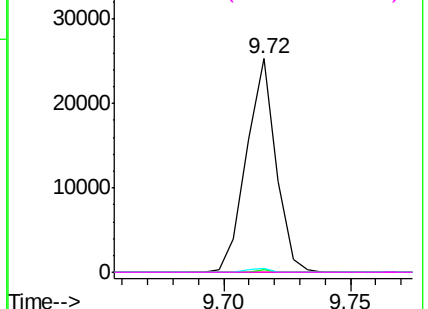
#56  
 2,4-Dinitrotoluene  
 Concen: 6.901 ng  
 RT: 9.72 min Scan# 1297  
 Delta R.T. -0.22 min  
 Lab File: BF098358.D  
 Acq: 8 Sep 2017 18:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G61A-0-1.5

Tot Ion:165 Resp: 20520  
 Ion Ratio Lower Upper  
 165 100  
 63 1.2 25.4 38.0#  
 89 2.1 46.4 69.6#  
 182 0.0 1.8 2.6#

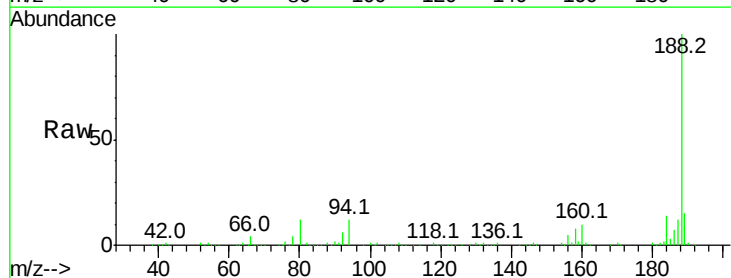


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0  
 Ion 182.00 (181.70 to 182.70): E

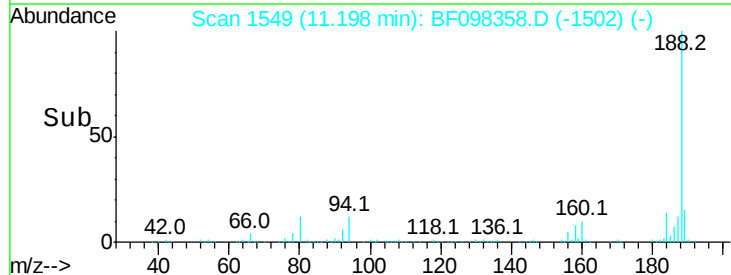
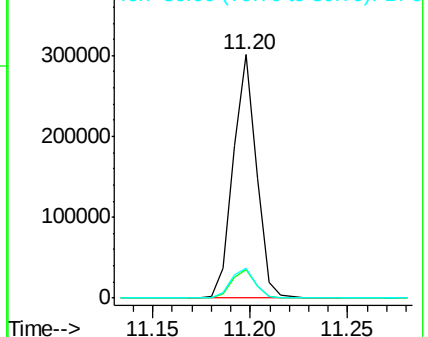


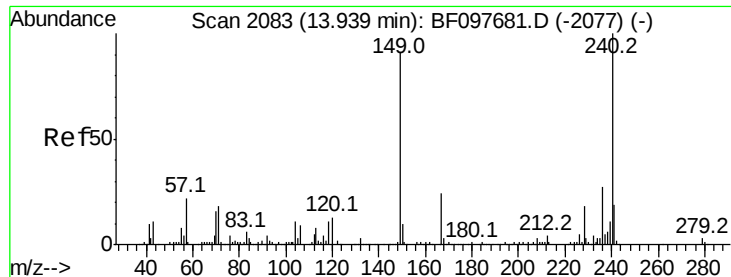
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.20 min Scan# 1549  
 Delta R.T. -0.02 min  
 Lab File: BF098358.D  
 Acq: 8 Sep 2017 18:47

Tgt Ion:188 Resp: 249810  
 Ion Ratio Lower Upper  
 188 100  
 94 12.0 9.4 14.2  
 80 12.3 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF098358.D

Acq: 8 Sep 2017 18:47

Instrument :

BNA\_F

ClientSampleId :

G61A-0-1.5

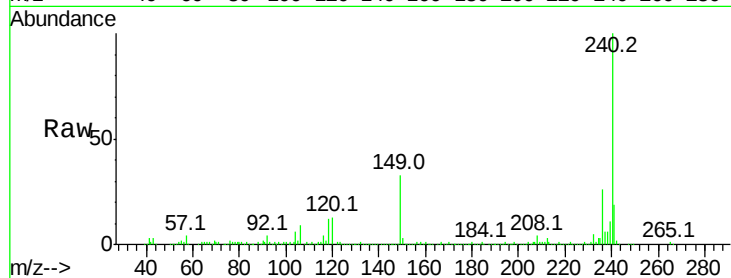
Tot Ion:240 Resp: 236936

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

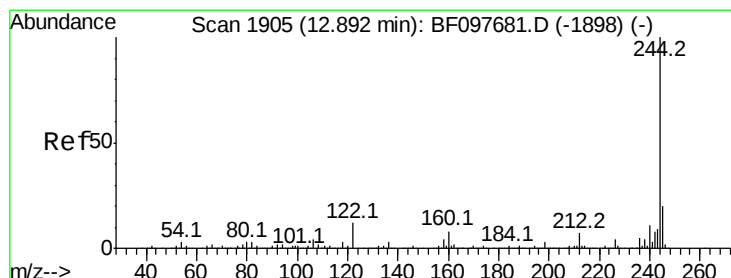
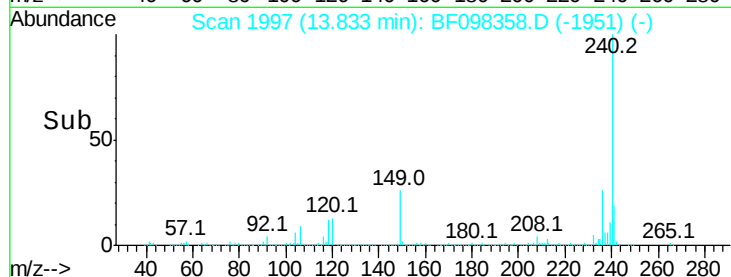
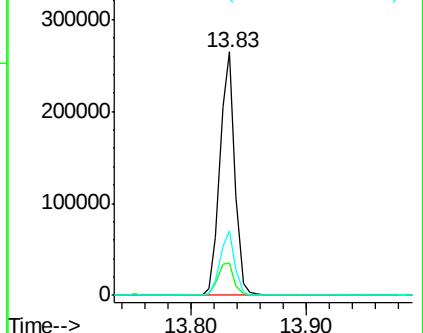
236 26.4 20.5 30.7



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: 11.352 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.03 min

Lab File: BF098358.D

Acq: 8 Sep 2017 18:47

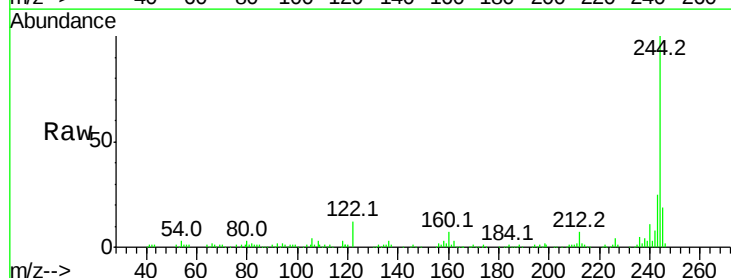
Tgt Ion:244 Resp: 128986

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

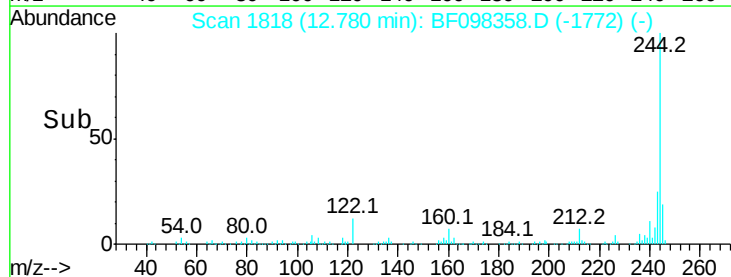
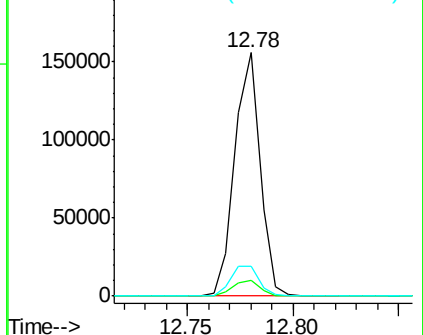
122 12.4 10.3 15.5

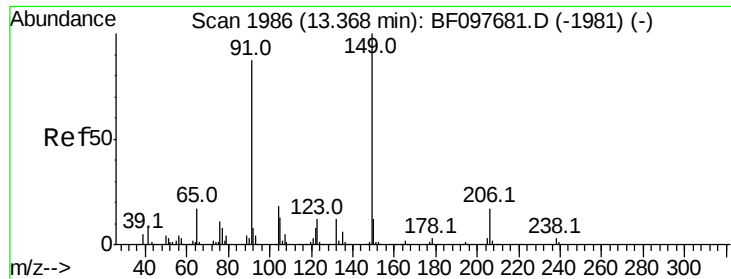


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

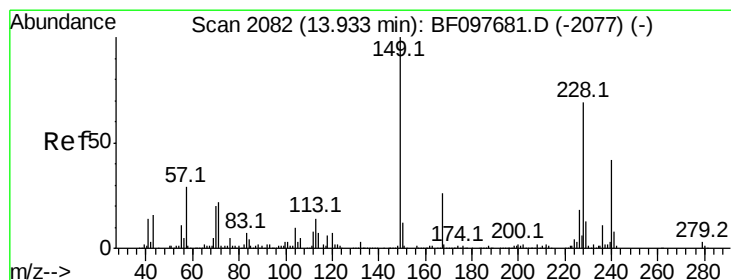
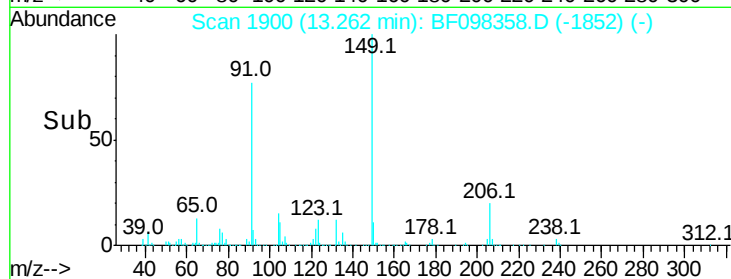
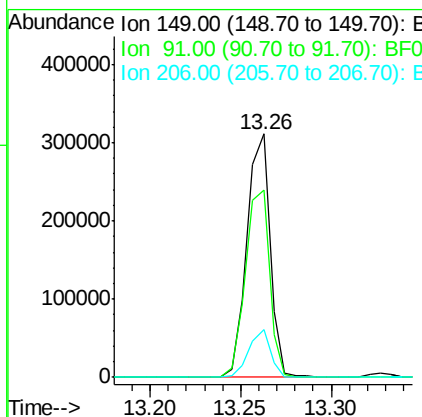
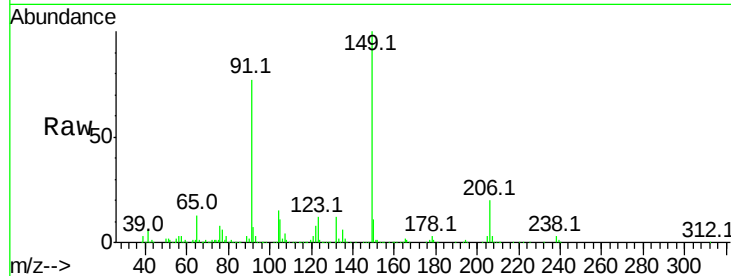




#79  
 Butylbenzylphthalate  
 Concen: 37.262 ng  
 RT: 13.26 min Scan# 1900  
 Delta R.T. -0.02 min  
 Lab File: BF098358.D  
 Acq: 8 Sep 2017 18:47

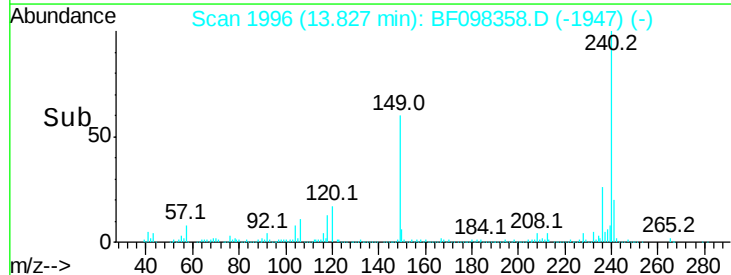
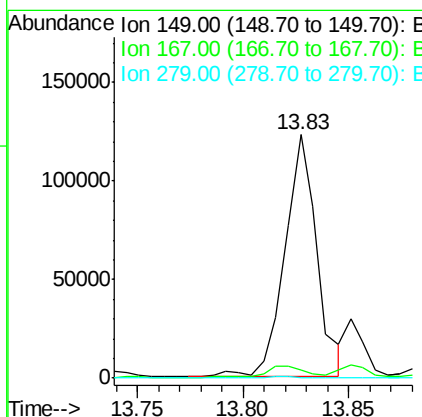
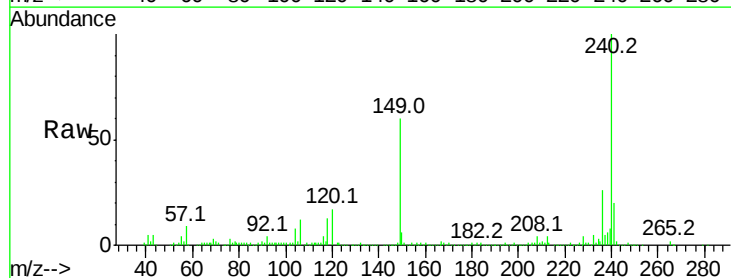
Instrument :  
 BNA\_F  
 ClientSampleId :  
 G61A-0-1.5

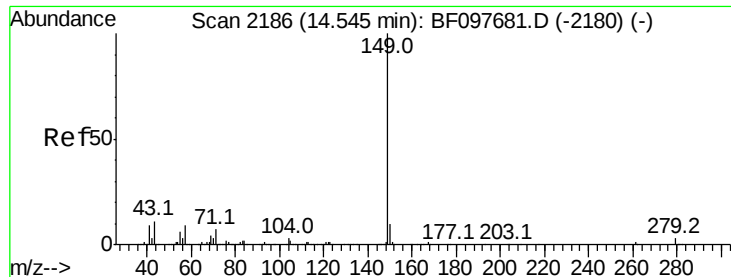
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 77.0  | 45.0  | 67.4# |
| 206     | 19.7  | 17.0  | 25.6  |



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 15.850 ng  
 RT: 13.83 min Scan# 1996  
 Delta R.T. -0.01 min  
 Lab File: BF098358.D  
 Acq: 8 Sep 2017 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 3.1   | 21.0  | 31.4# |
| 279     | 0.3   | 1.9   | 2.9#  |





#84

Di-n-octyl phthalate

Concen: 13.600 ng

RT: 14.43 min Scan# 2099

Delta R.T. -0.02 min

Lab File: BF098358.D

Acq: 8 Sep 2017 18:47

Instrument :

BNA\_F

ClientSampleId :

G61A-0-1.5

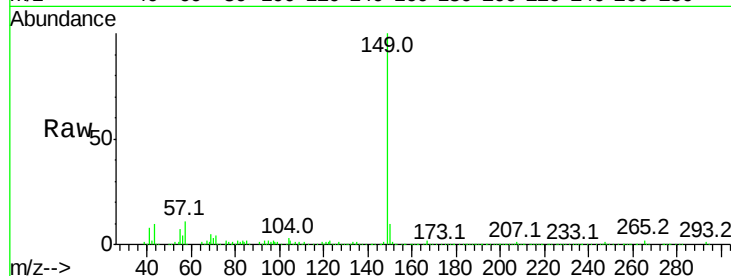
Tot Ion:149 Resp: 194829

Ion Ratio Lower Upper

149 100

167 2.4 1.2 1.8#

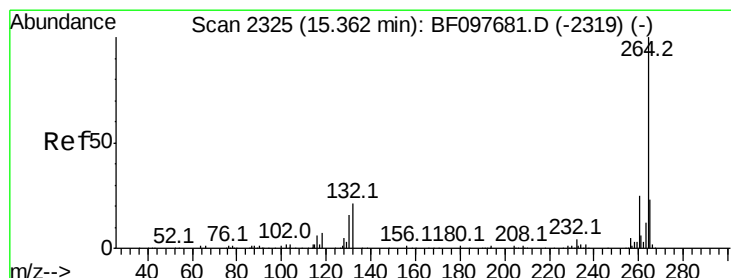
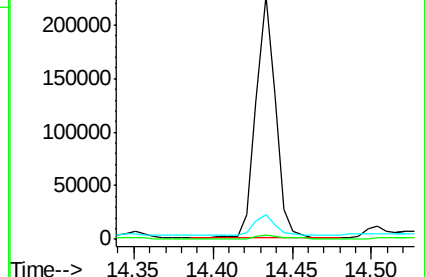
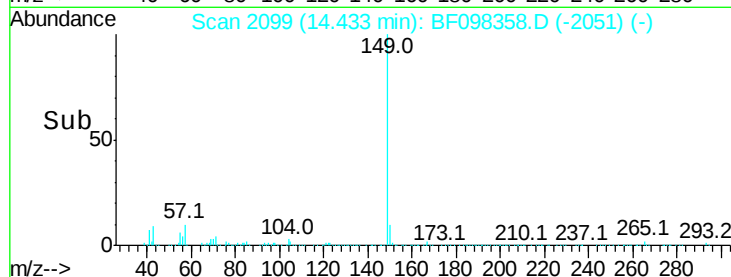
43 10.6 8.5 12.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF098358.D

Acq: 8 Sep 2017 18:47

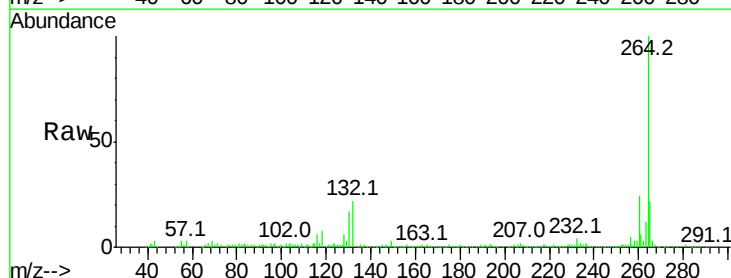
Tgt Ion:264 Resp: 223627

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 22.3 17.2 25.8



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

