

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\  
 Data File : BF105166.D  
 Acq On : 9 May 2018 1:11  
 Operator : JU/SJ  
 Sample : J2133-09  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 09 08:36:54 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 08 16:33:54 2018  
 Response via : Initial Calibration

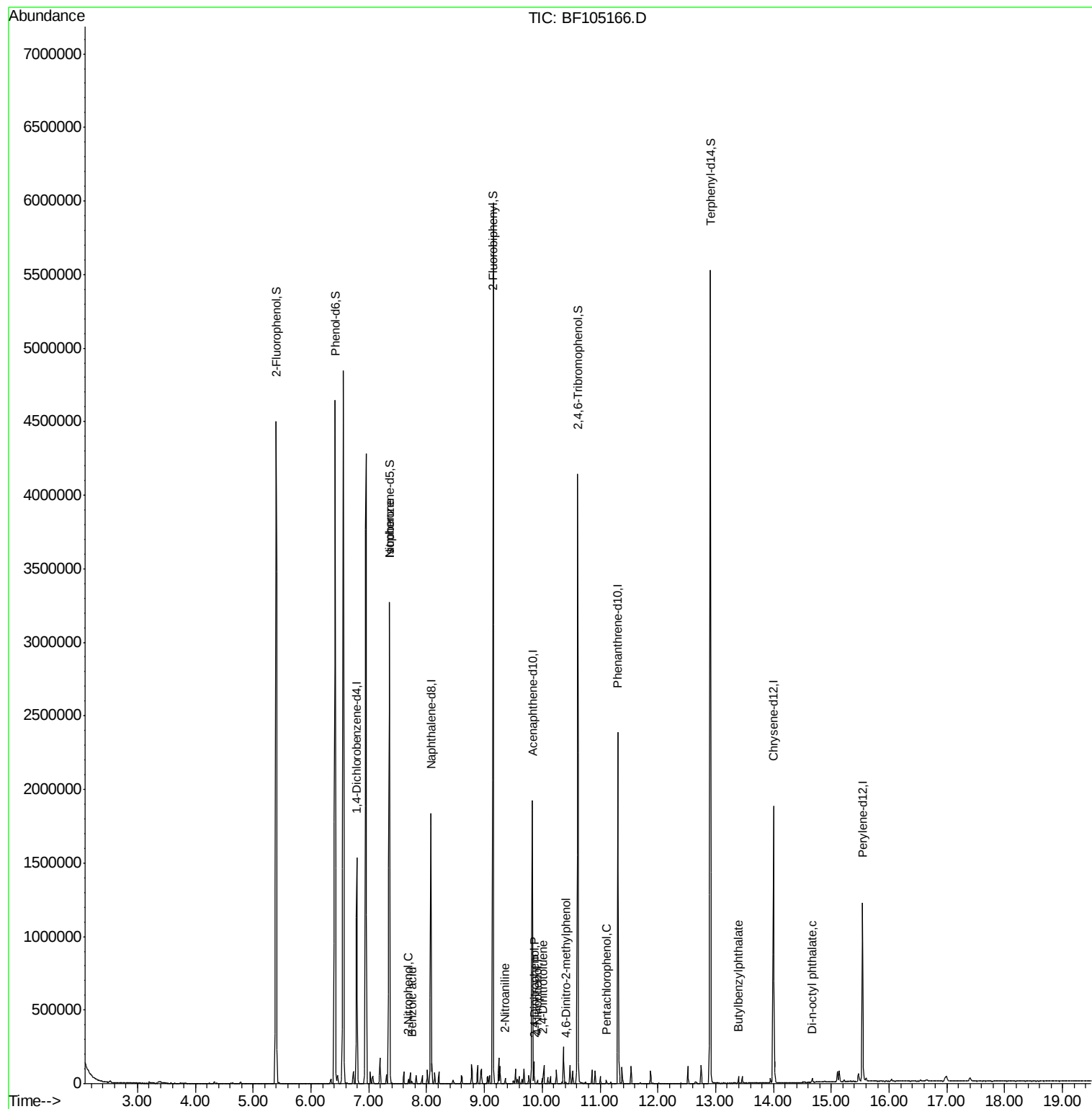
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.79  | 152  | 203464   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.07  | 136  | 805100   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.82  | 164  | 397800   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.31 | 188  | 777973   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.00 | 240  | 667793   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.54 | 264  | 581926   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 1534843  | 124.28 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.42  | 99   | 1823388  | 123.99 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 1072362  | 90.27  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.62 | 330  | 575610   | 131.15 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.15  | 172  | 1965315  | 76.68  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.91 | 244  | 2156520  | 75.01  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 25) Isophorone                 | 7.36  | 82   | 1071634  | 40.34  | ng    | # 64     |
| 26) 2-Nitrophenol              | 7.69  | 139  | 4400     | 10.57  | ng    | # 88     |
| 32) Benzoic acid               | 7.75  | 122  | 2828     | 9.54   | ng    | 93       |
| 47) 2-Nitroaniline             | 9.36  | 65   | 5116     | 6.44   | ng    | 97       |
| 53) 2,4-Dinitrophenol          | 9.87  | 184  | 486      | 9.62   | ng    | # 16     |
| 55) 4-Nitrophenol              | 9.92  | 139  | 2877     | 4.79   | ng    | 90       |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 5511     | 4.26   | ng    | # 94     |
| 64) 4,6-Dinitro-2-methylphenol | 10.41 | 198  | 1383     | 9.26   | ng    | 80       |
| 69) Pentachlorophenol          | 11.11 | 266  | 3611     | 3.84   | ng    | 97       |
| 79) Butylbenzylphthalate       | 13.39 | 149  | 9550     | 7.37   | ng    | 94       |
| 84) Di-n-octyl phthalate       | 14.67 | 149  | 13807    | 7.24   | ng    | # 88     |

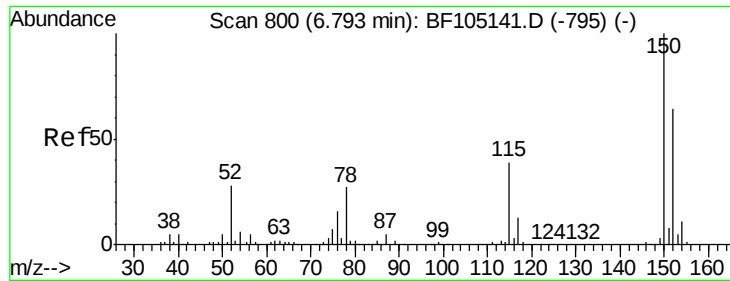
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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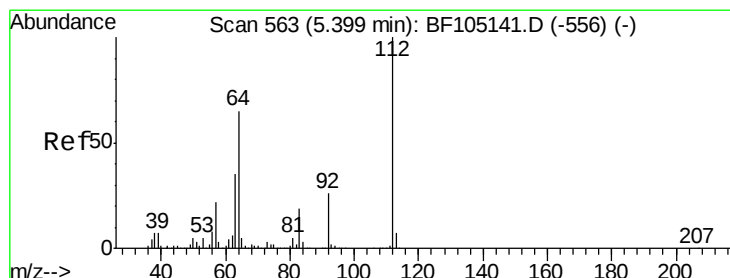
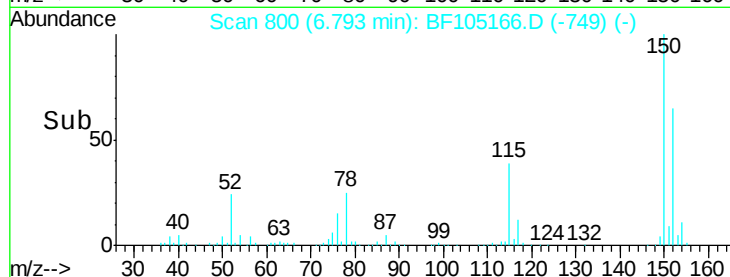
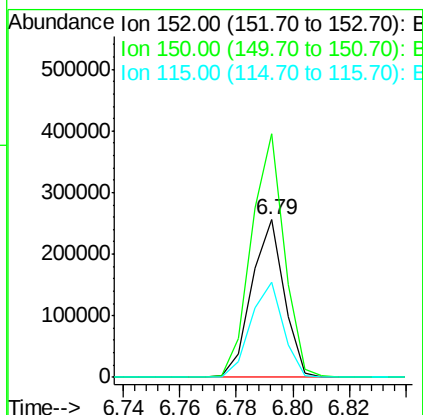
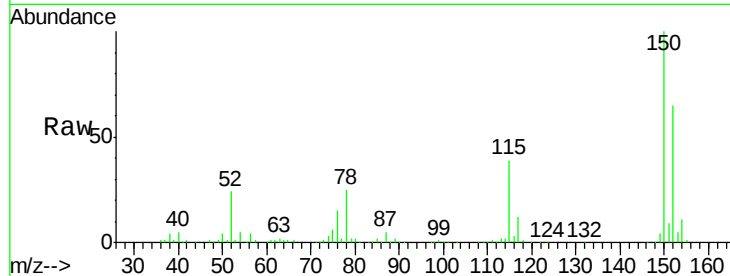


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.79 min Scan# 800  
Delta R.T. -0.00 min  
Lab File: BF105166.D  
Acq: 9 May 2018 1:11

Instrument :  
BNA\_F  
ClientSampled :

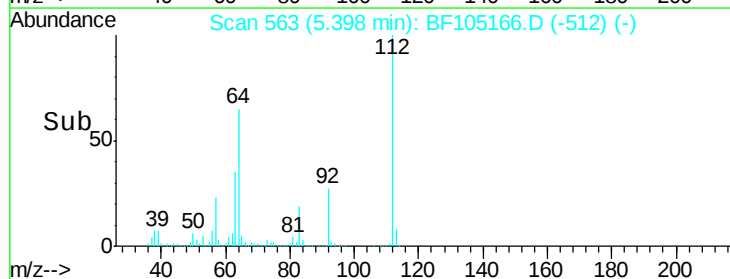
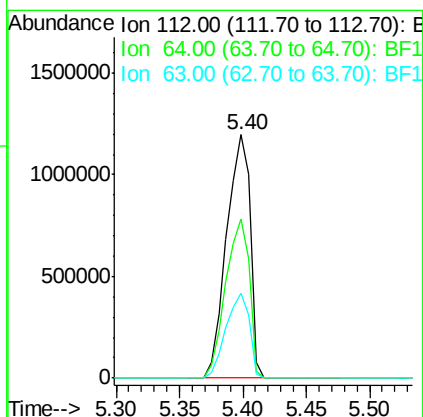
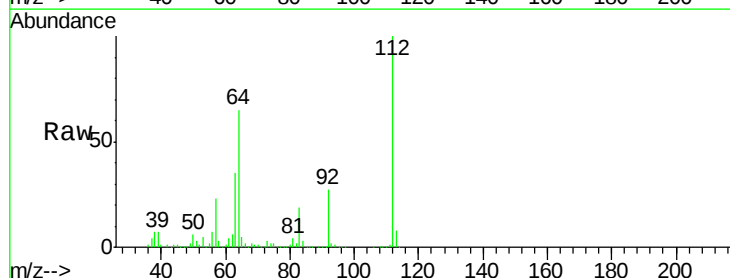
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.7 | 124.6 | 186.8 |
| 115     | 60.5  | 50.1  | 75.1  |

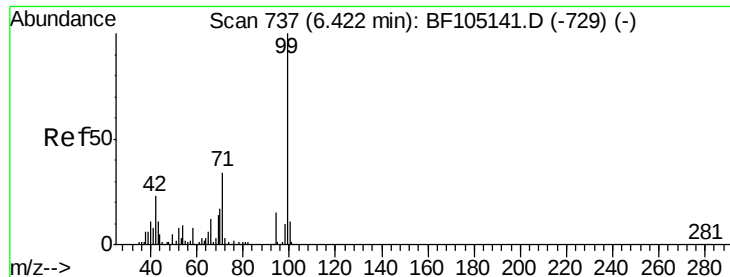


#5

2-Fluorophenol  
Concen: 124.28 ng  
RT: 5.40 min Scan# 563  
Delta R.T. -0.00 min  
Lab File: BF105166.D  
Acq: 9 May 2018 1:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.3  | 47.9  | 71.9  |
| 63      | 35.0  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 123.99 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF105166.D

Acq: 9 May 2018 1:11

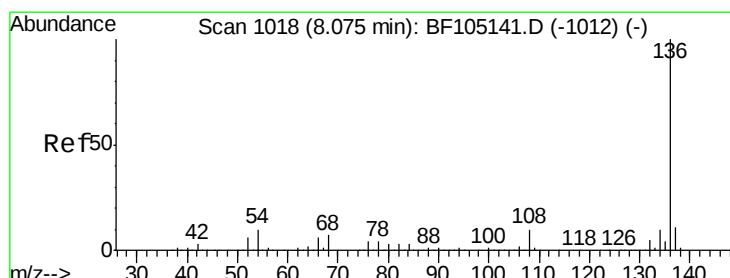
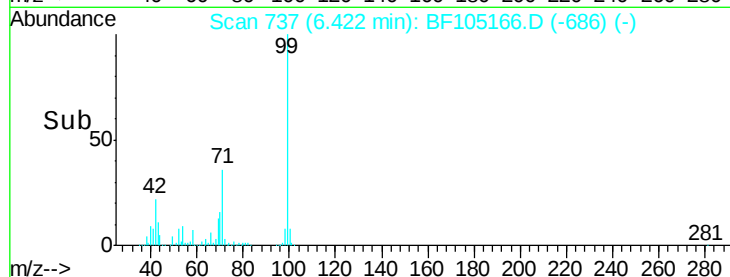
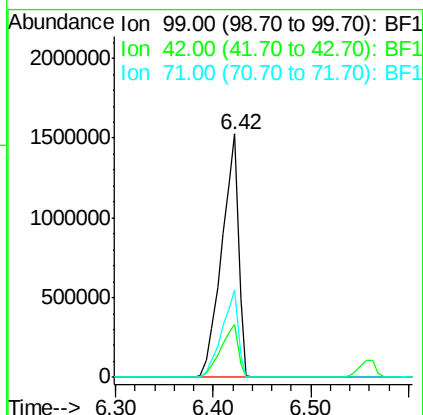
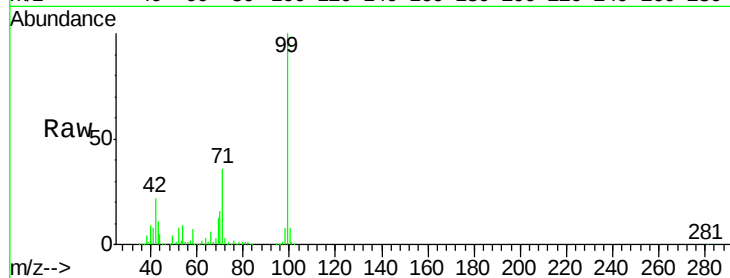
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 1823388

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.9  | 14.5  | 21.7# |
| 71  | 35.7  | 25.4  | 38.0  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 1018

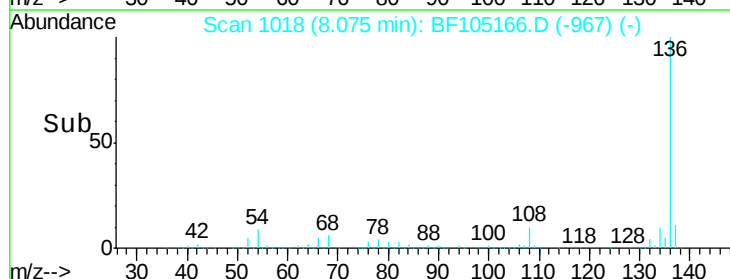
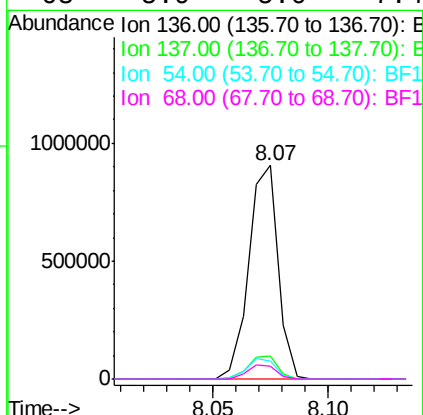
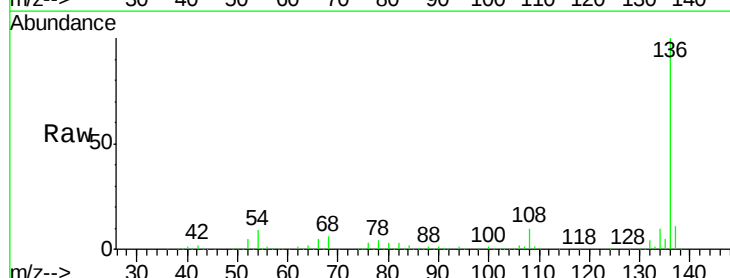
Delta R.T. -0.00 min

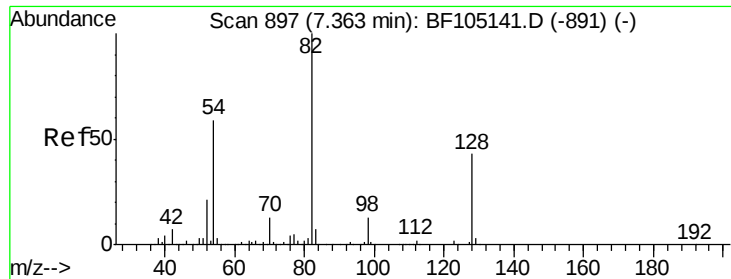
Lab File: BF105166.D

Acq: 9 May 2018 1:11

Tgt Ion: 136 Resp: 805100

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.9   | 13.3  |
| 54  | 8.6   | 6.6   | 9.8   |
| 68  | 5.9   | 5.0   | 7.4   |

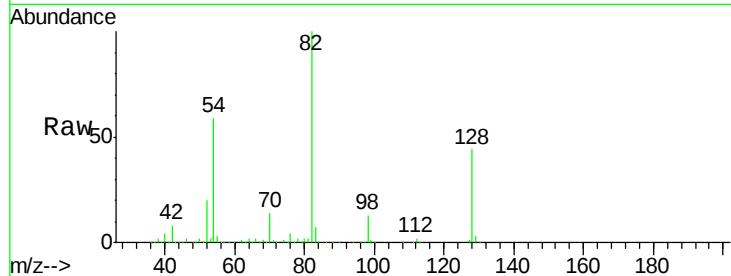




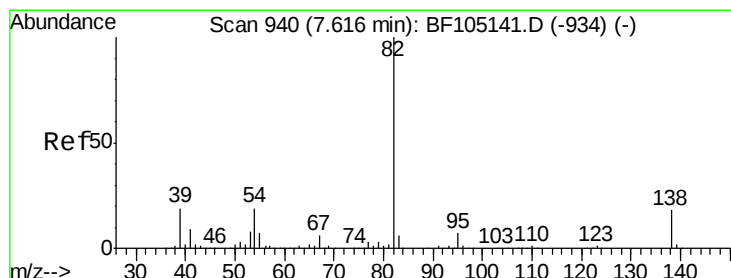
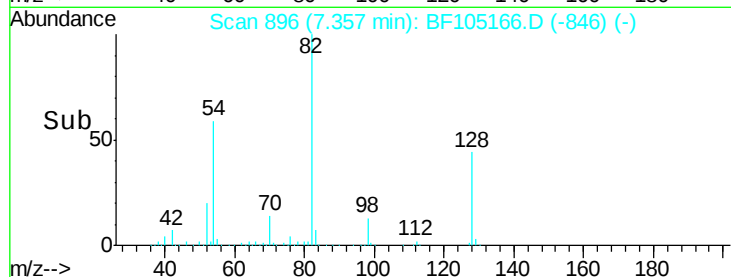
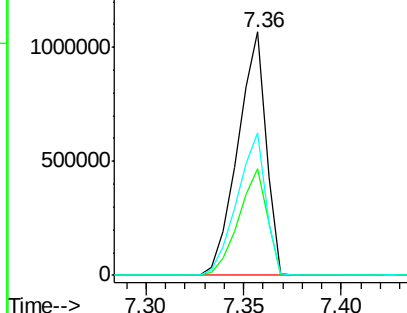
#23  
Nitrobenzene-d5  
Concen: 90.27 ng  
RT: 7.36 min Scan# 896  
Delta R.T. -0.01 min  
Lab File: BF105166.D  
Acq: 9 May 2018 1:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 1072362  
Ion Ratio Lower Upper  
82 100  
128 43.8 36.1 54.1  
54 58.8 41.4 62.2

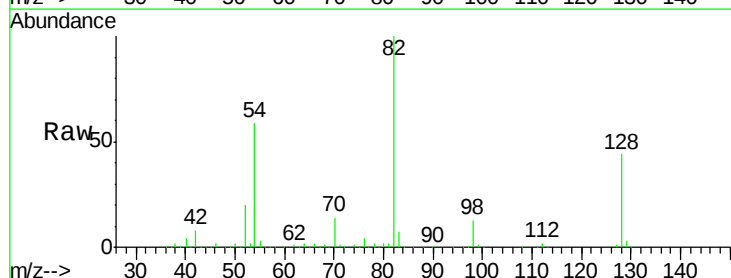


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

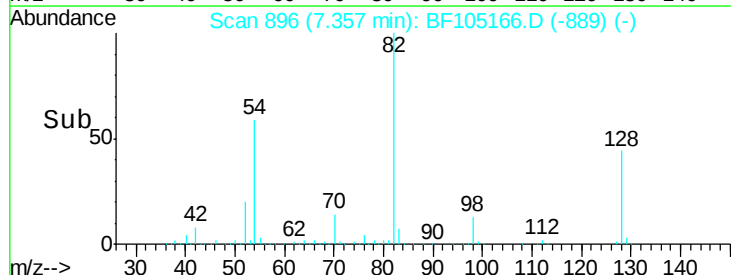
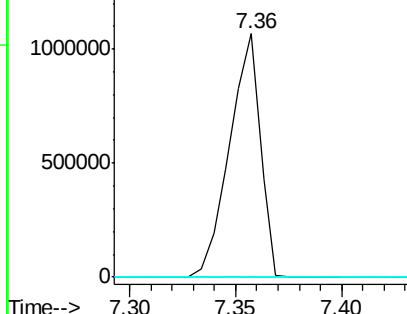


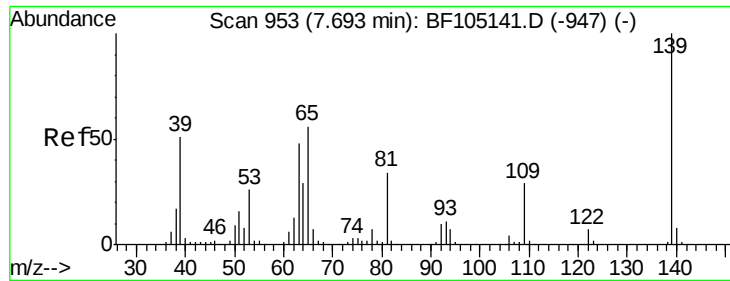
#25  
Isophorone  
Concen: 40.34 ng  
RT: 7.36 min Scan# 896  
Delta R.T. -0.26 min  
Lab File: BF105166.D  
Acq: 9 May 2018 1:11

Tgt Ion: 82 Resp: 1071634  
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

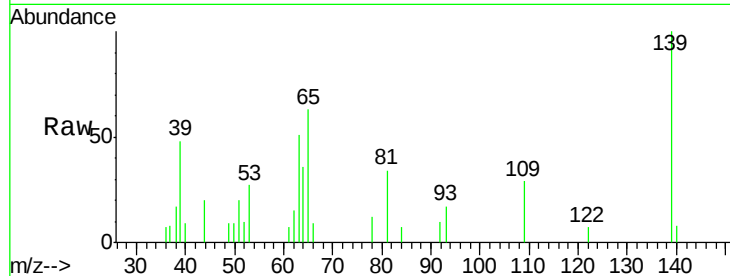




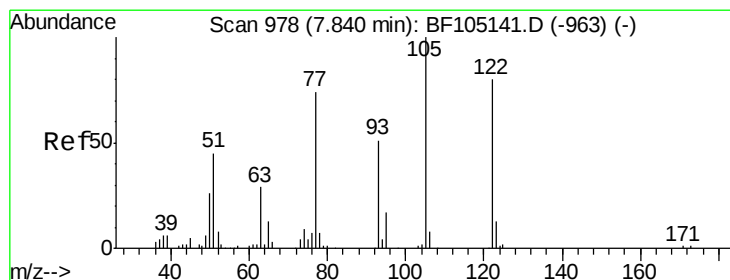
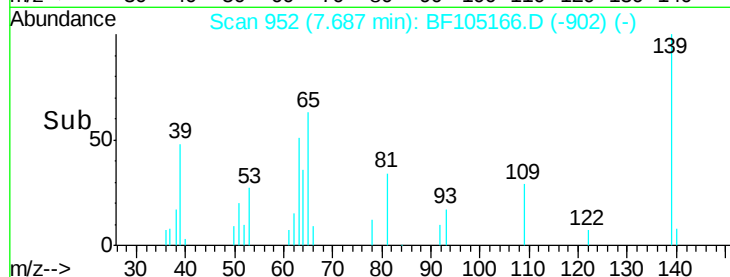
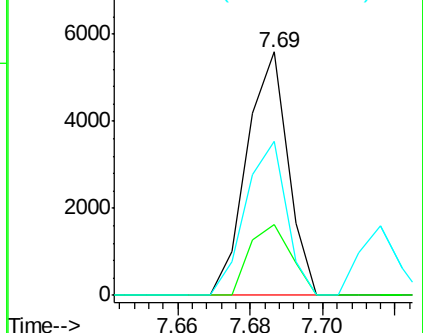
#26  
2-Nitrophenol  
Concen: 10.57 ng  
RT: 7.69 min Scan# 952  
Delta R.T. -0.01 min  
Lab File: BF105166.D  
Acq: 9 May 2018 1:11

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:139 Resp: 4400  
Ion Ratio Lower Upper  
139 100  
109 28.9 22.7 34.1  
65 63.0 40.5 60.7#

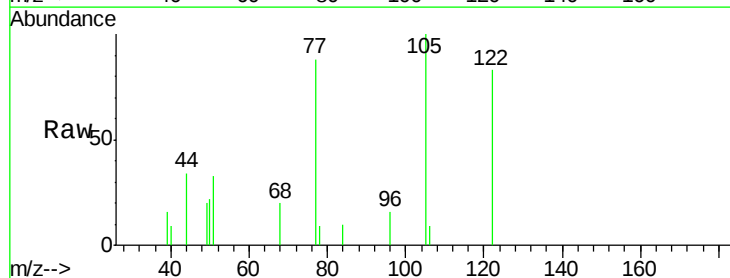


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

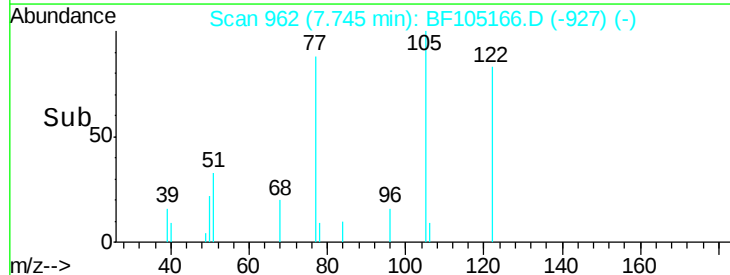
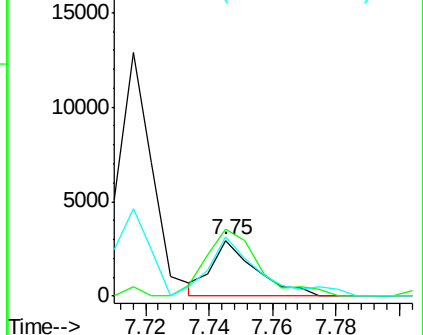


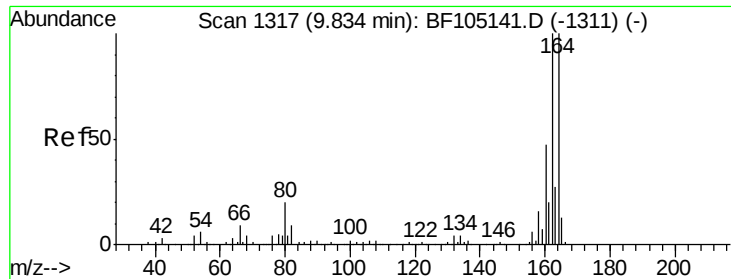
#32  
Benzoic acid  
Concen: 9.54 ng  
RT: 7.75 min Scan# 962  
Delta R.T. -0.09 min  
Lab File: BF105166.D  
Acq: 9 May 2018 1:11

Tgt Ion:122 Resp: 2828  
Ion Ratio Lower Upper  
122 100  
105 120.1 101.1 141.1  
77 106.0 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1

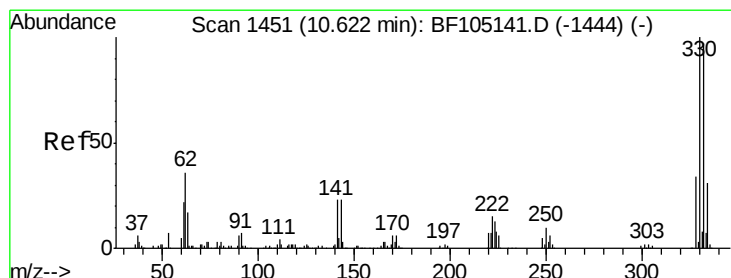
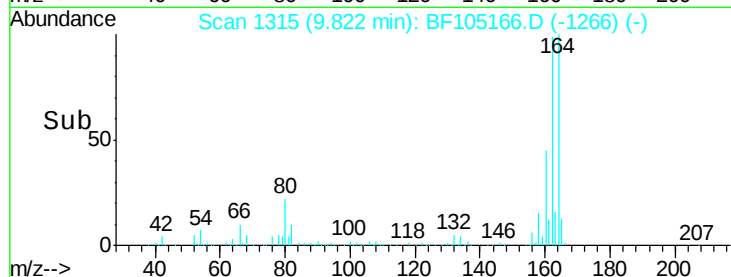
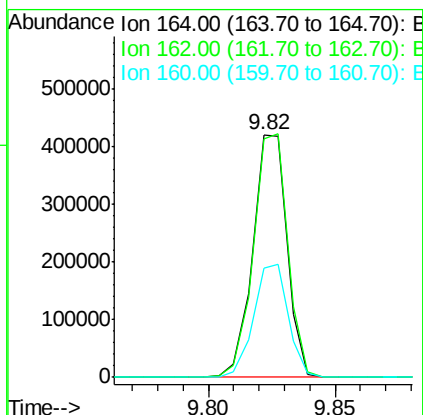
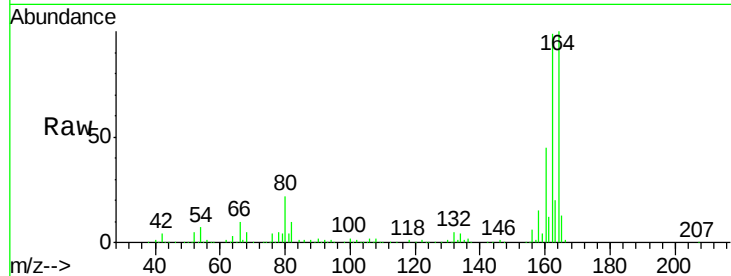




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.82 min Scan# 1315  
 Delta R.T. -0.01 min  
 Lab File: BF105166.D  
 Acq: 9 May 2018 1:11

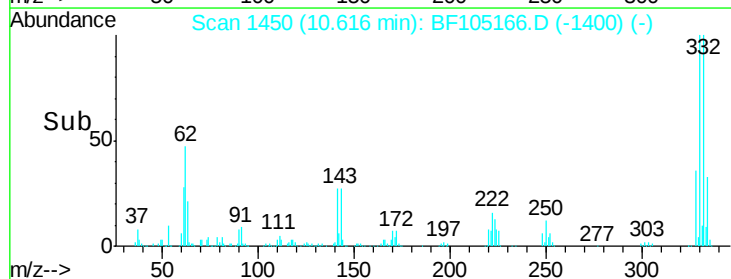
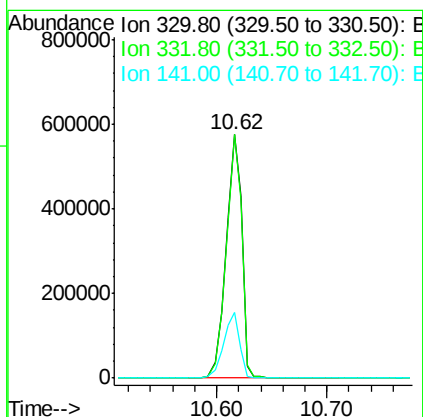
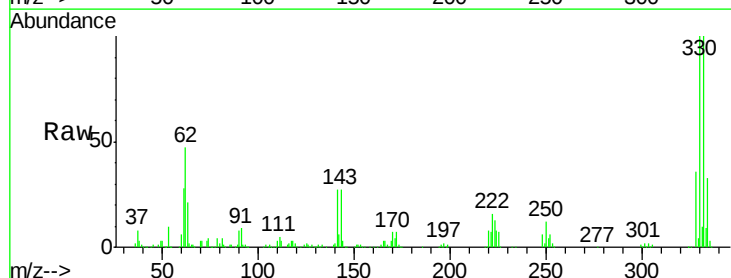
Instrument :  
 BNA\_F  
 ClientSampleId :

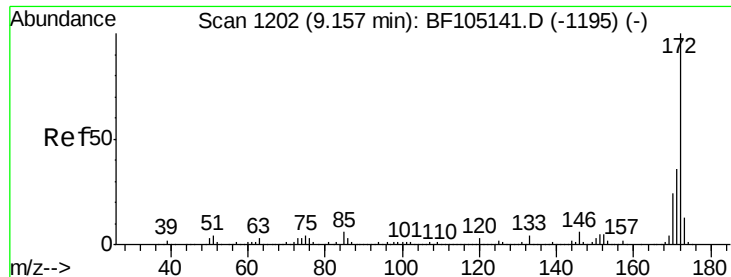
Tot Ion:164 Resp: 397800  
 Ion Ratio Lower Upper  
 164 100  
 162 98.5 86.1 129.1  
 160 45.2 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 131.15 ng  
 RT: 10.62 min Scan# 1450  
 Delta R.T. -0.01 min  
 Lab File: BF105166.D  
 Acq: 9 May 2018 1:11

Tgt Ion:330 Resp: 575610  
 Ion Ratio Lower Upper  
 330 100  
 332 98.7 77.0 115.6  
 141 27.3 29.9 44.9#

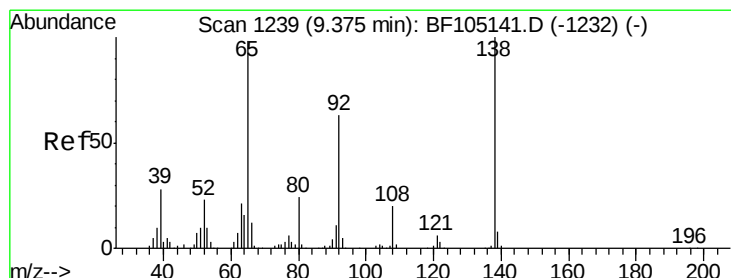
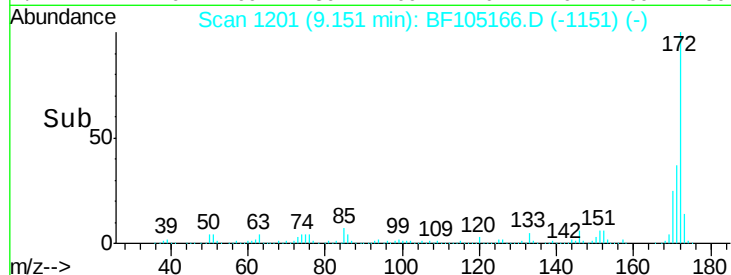
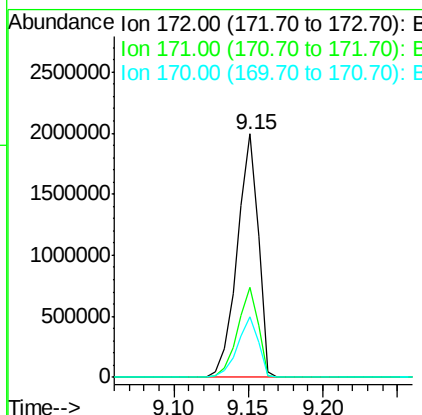
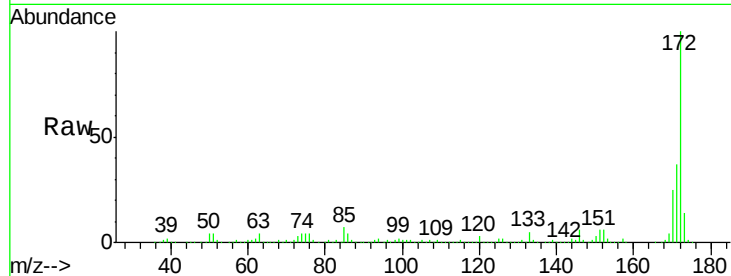




#44  
 2-Fluorobiphenyl  
 Concen: 76.68 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF105166.D  
 Acq: 9 May 2018 1:11

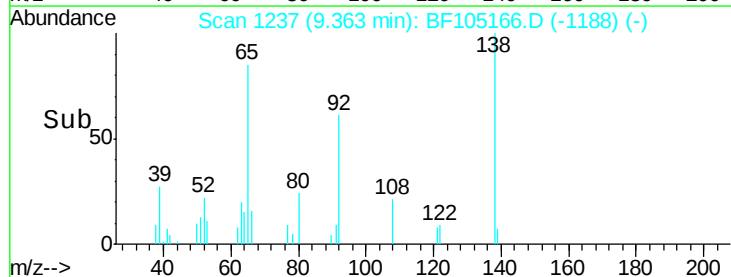
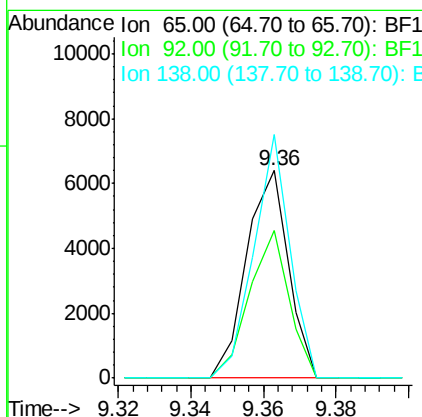
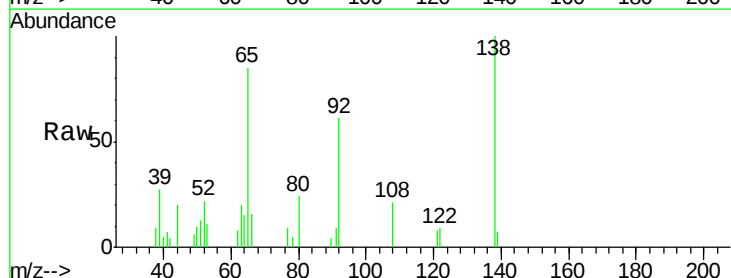
Instrument :  
 BNA\_F  
 ClientSampleId :

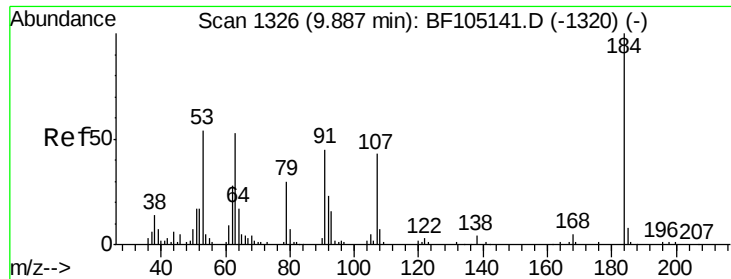
Tot Ion:172 Resp: 1965315  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 29.7 44.5  
 170 24.6 19.6 29.4



#47  
 2-Nitroaniline  
 Concen: 6.44 ng  
 RT: 9.36 min Scan# 1237  
 Delta R.T. -0.01 min  
 Lab File: BF105166.D  
 Acq: 9 May 2018 1:11

Tgt Ion: 65 Resp: 5116  
 Ion Ratio Lower Upper  
 65 100  
 92 71.3 55.8 83.6  
 138 117.4 91.2 136.8

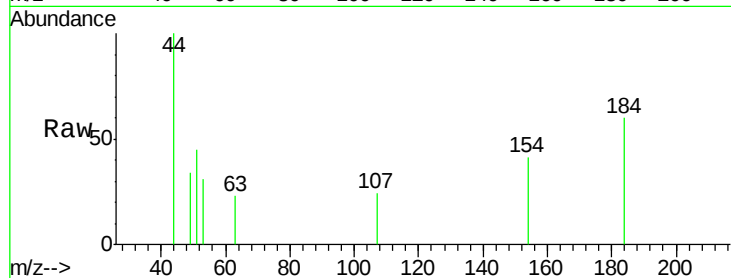




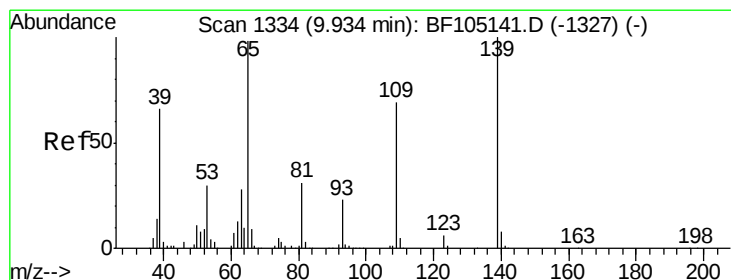
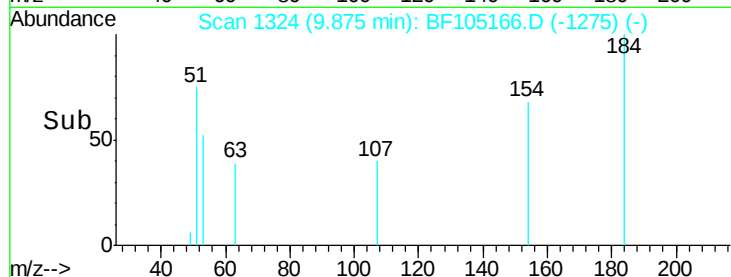
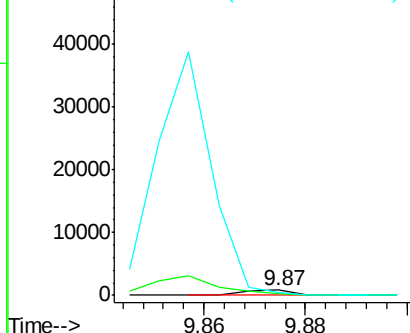
#53  
 2,4-Dinitrophenol  
 Concen: 9.62 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF105166.D  
 Acq: 9 May 2018 1:11

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:184 Resp: 486  
 Ion Ratio Lower Upper  
 184 100  
 63 38.7 54.2 81.2#  
 154 68.3 184.0 276.0#

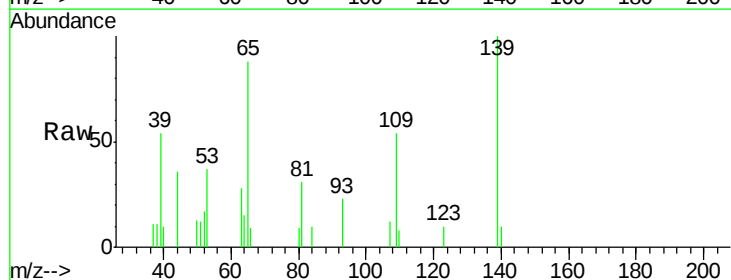


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 154.00 (153.70 to 154.70): E

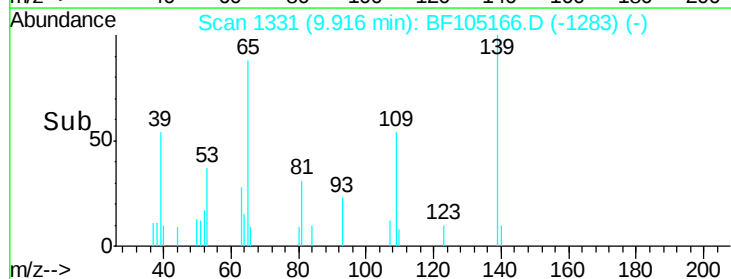
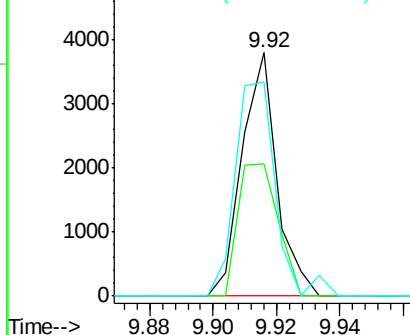


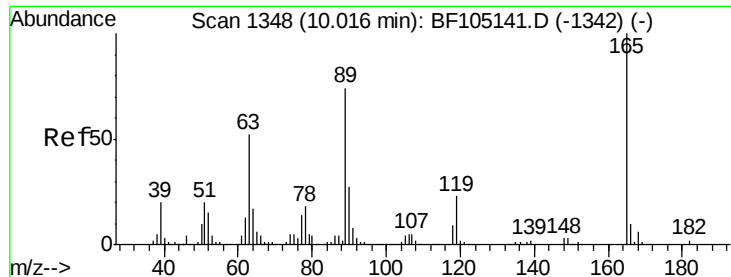
#55  
 4-Nitrophenol  
 Concen: 4.79 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.02 min  
 Lab File: BF105166.D  
 Acq: 9 May 2018 1:11

Tgt Ion:139 Resp: 2877  
 Ion Ratio Lower Upper  
 139 100  
 109 54.5 48.4 88.4  
 65 87.8 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E  
 Ion 109.00 (108.70 to 109.70): E  
 Ion 65.00 (64.70 to 65.70): BF1

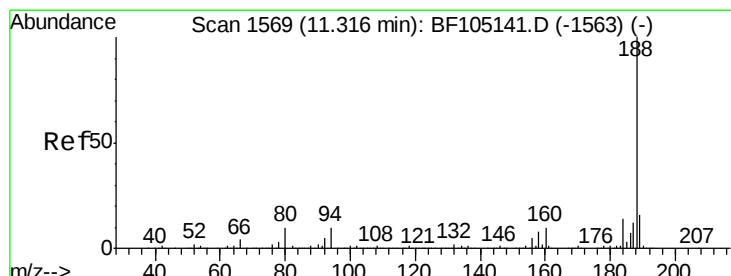
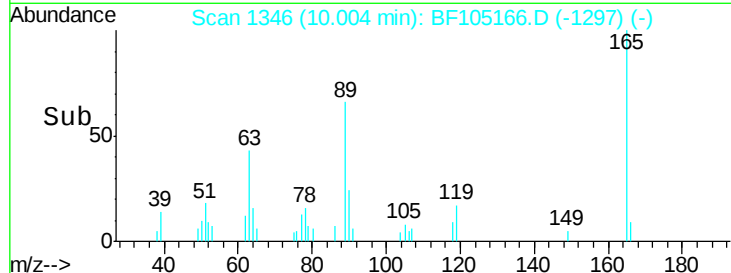
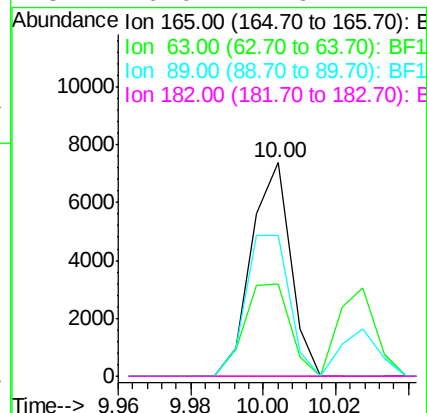
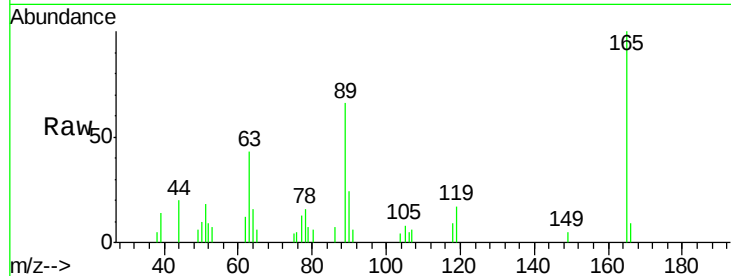




#56  
 2,4-Dinitrotoluene  
 Concen: 4.26 ng  
 RT: 10.00 min Scan# 1346  
 Delta R.T. -0.01 min  
 Lab File: BF105166.D  
 Acq: 9 May 2018 1:11

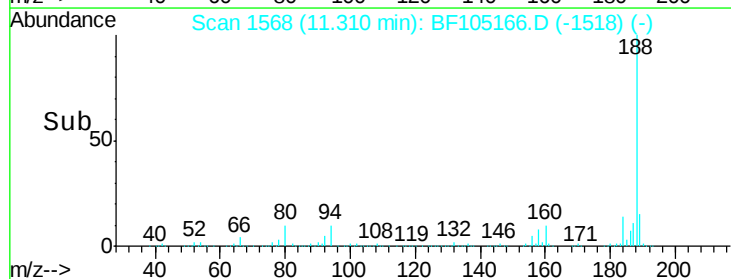
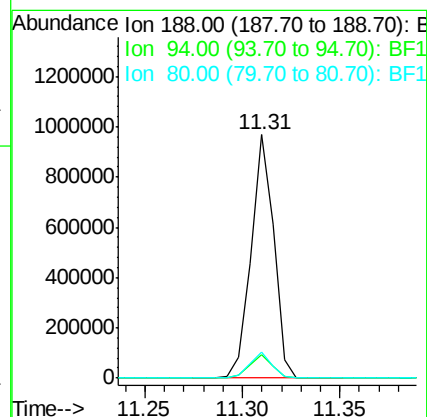
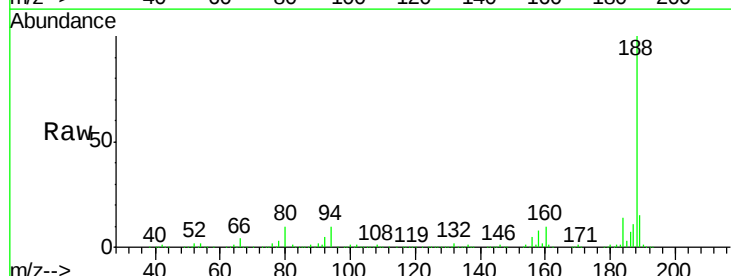
Instrument :  
 BNA\_F  
 ClientSampled :

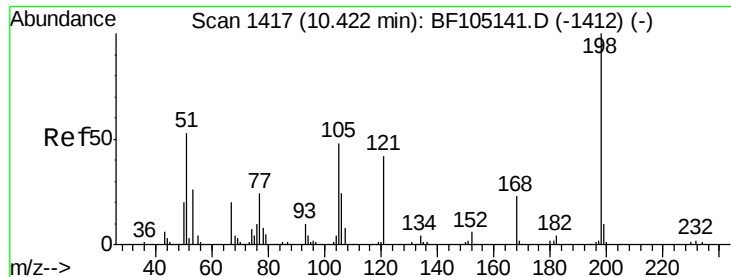
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 42.9  | 36.4  | 54.6  |
| 89      | 66.0  | 57.8  | 86.6  |
| 182     | 0.0   | 1.6   | 2.4   |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.31 min Scan# 1568  
 Delta R.T. -0.01 min  
 Lab File: BF105166.D  
 Acq: 9 May 2018 1:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.6   | 8.5   | 12.7  |
| 80      | 10.5  | 9.2   | 13.8  |

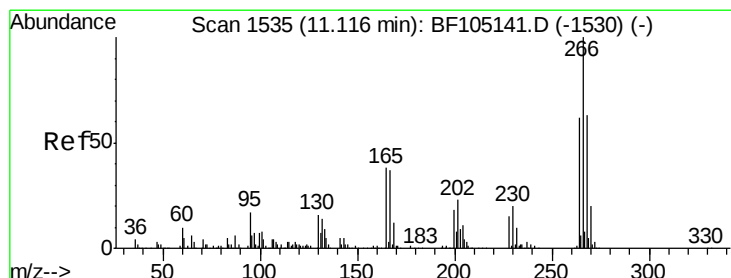
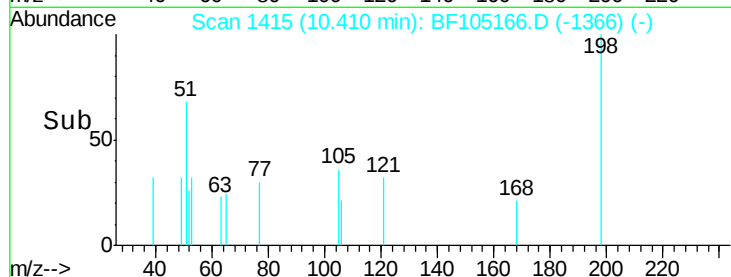
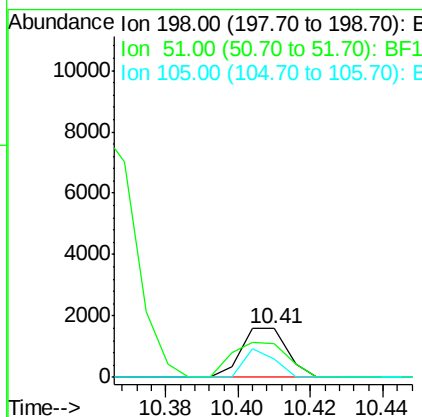
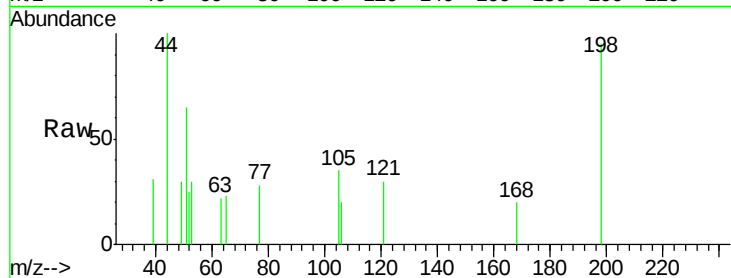




#64  
4,6-Dinitro-2-methylphenol  
Concen: 9.26 ng  
RT: 10.41 min Scan# 1415  
Delta R.T. -0.01 min  
Lab File: BF105166.D  
Acq: 9 May 2018 1:11

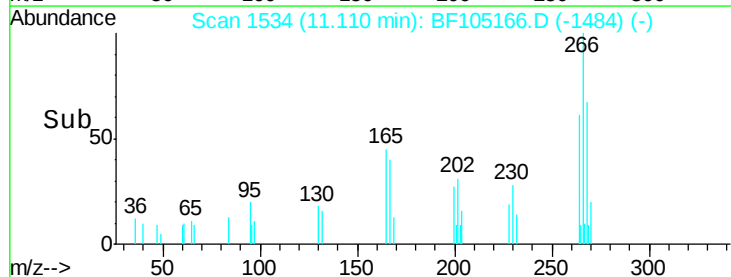
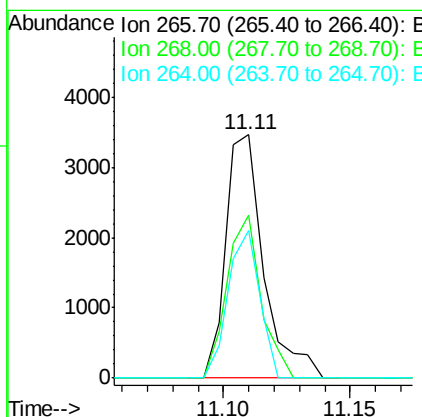
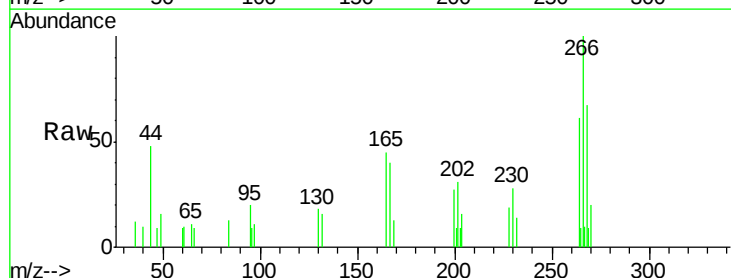
Instrument :  
BNA\_F  
ClientSampled :

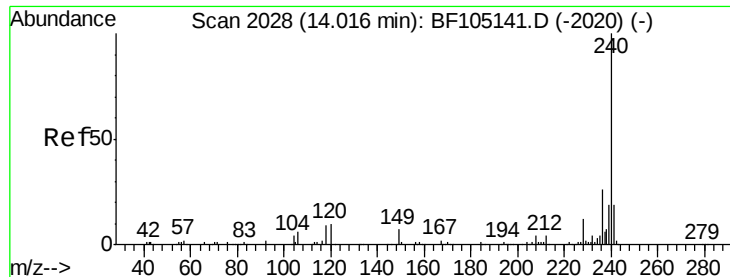
Tot Ion:198 Resp: 1383  
Ion Ratio Lower Upper  
198 100  
51 67.9 37.7 77.7  
105 36.4 36.3 76.3



#69  
Pentachlorophenol  
Concen: 3.84 ng  
RT: 11.11 min Scan# 1534  
Delta R.T. -0.01 min  
Lab File: BF105166.D  
Acq: 9 May 2018 1:11

Tgt Ion:266 Resp: 3611  
Ion Ratio Lower Upper  
266 100  
268 67.2 51.1 76.7  
264 60.6 49.5 74.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF105166.D

Acq: 9 May 2018 1:11

Instrument :

BNA\_F

ClientSampleId :

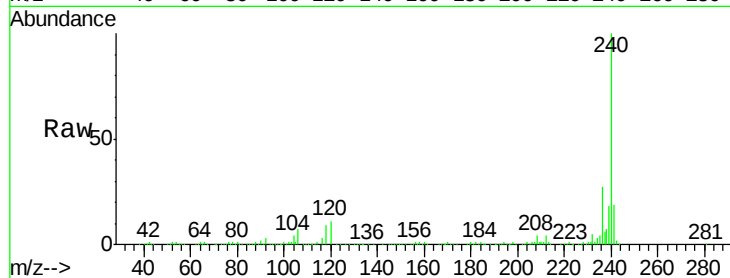
Tot Ion:240 Resp: 667793

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

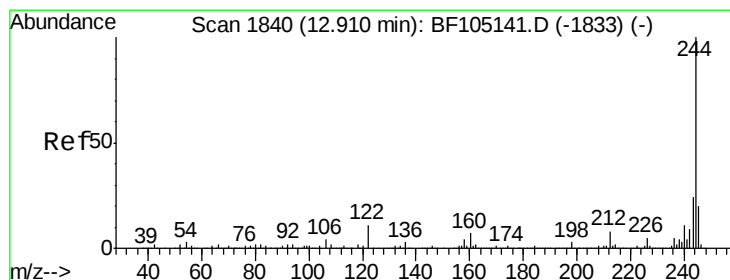
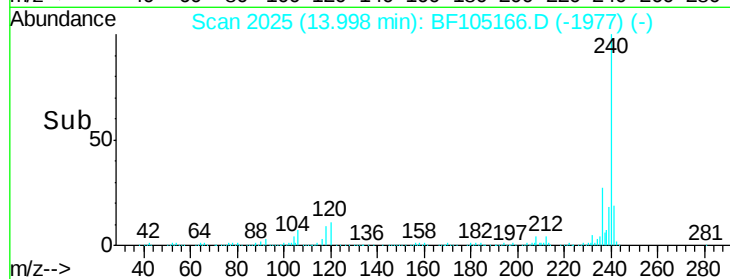
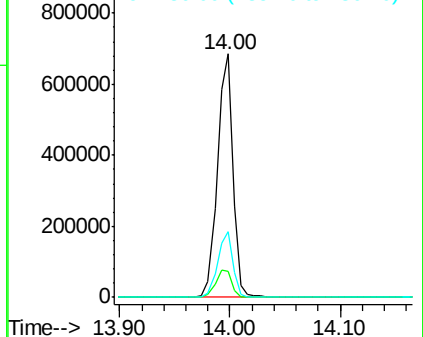
236 27.1 20.7 31.1



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: 75.01 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BF105166.D

Acq: 9 May 2018 1:11

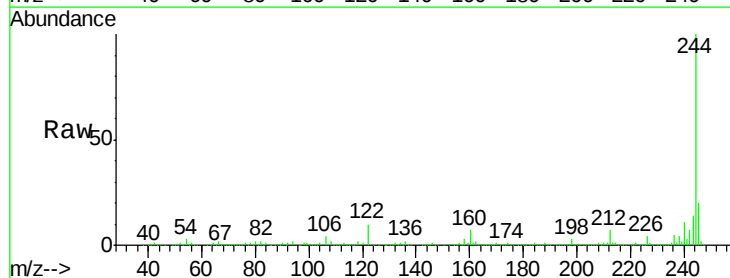
Tgt Ion:244 Resp: 2156520

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

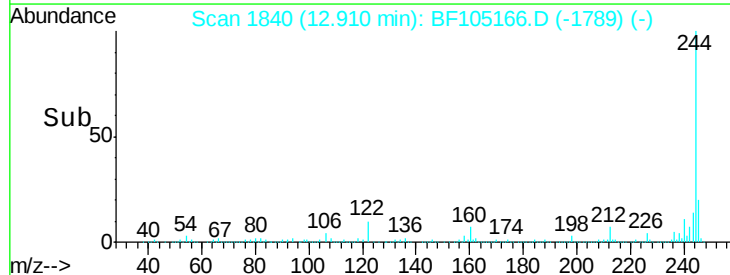
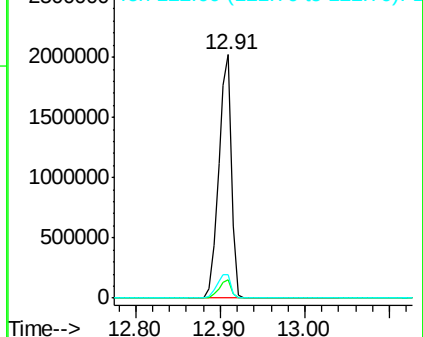
122 9.7 11.0 16.4#

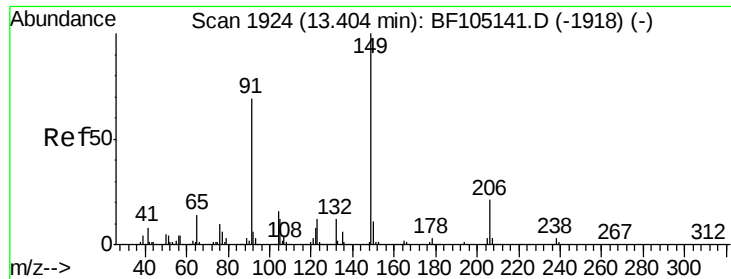


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

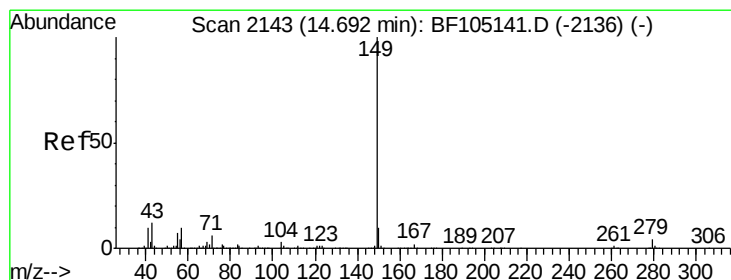
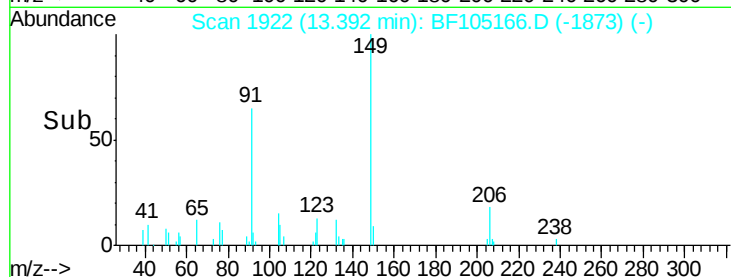
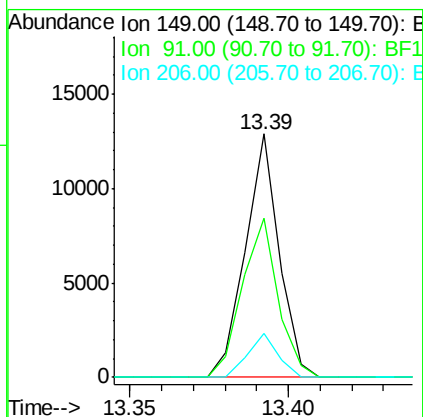
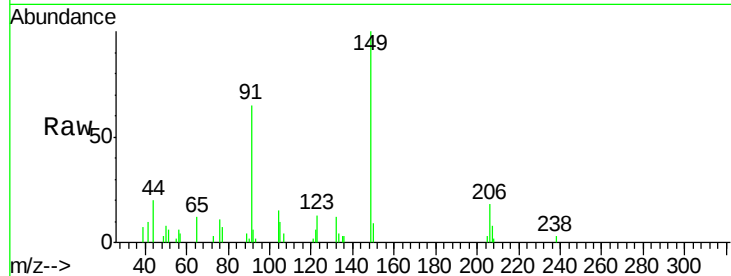




#79  
Butylbenzylphthalate  
Concen: 7.37 ng  
RT: 13.39 min Scan# 1922  
Delta R.T. -0.01 min  
Lab File: BF105166.D  
Acq: 9 May 2018 1:11

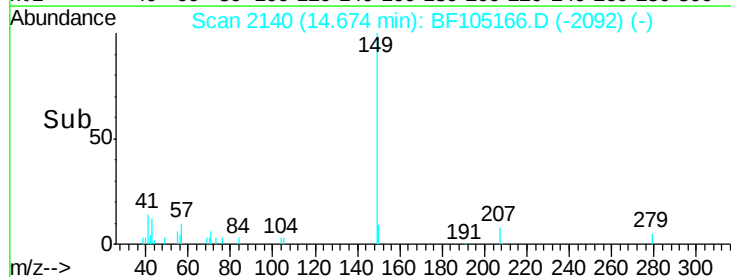
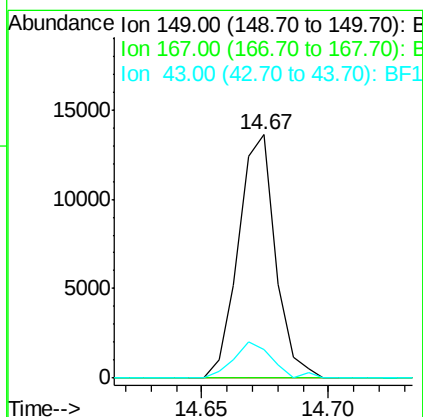
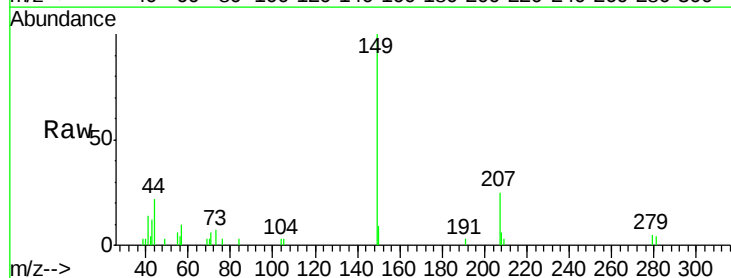
Instrument :  
BNA\_F  
ClientSampleId :

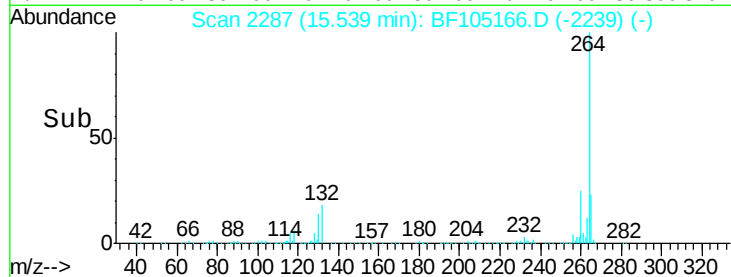
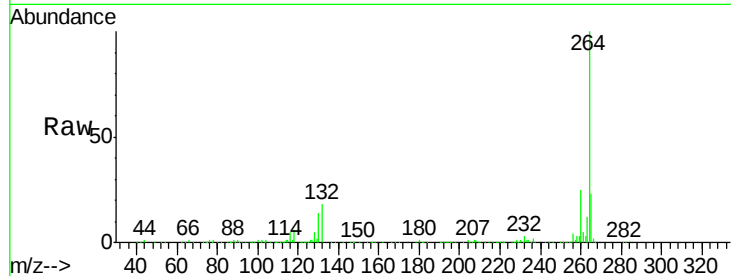
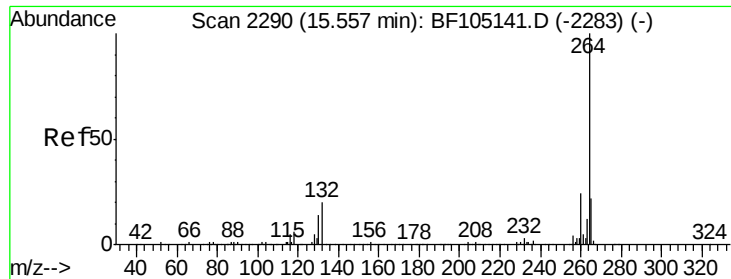
Tot Ion:149 Resp: 9550  
Ion Ratio Lower Upper  
149 100  
91 65.4 56.8 85.2  
206 17.9 14.1 21.1



#84  
Di-n-octyl phthalate  
Concen: 7.24 ng  
RT: 14.67 min Scan# 2140  
Delta R.T. -0.02 min  
Lab File: BF105166.D  
Acq: 9 May 2018 1:11

Tgt Ion:149 Resp: 13807  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.2 1.8#  
43 15.6 8.4 12.6#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.02 min

Lab File: BF105166.D

Acq: 9 May 2018 1:11

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:264 Resp: 581926

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 22.7 17.5 26.3

