

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\  
 Data File : BF096607.D  
 Acq On : 10 Jul 2017 18:07  
 Operator : SJ/JU  
 Sample : I4101-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 11 01:10:05 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 07 13:02:33 2017  
 Response via : Initial Calibration

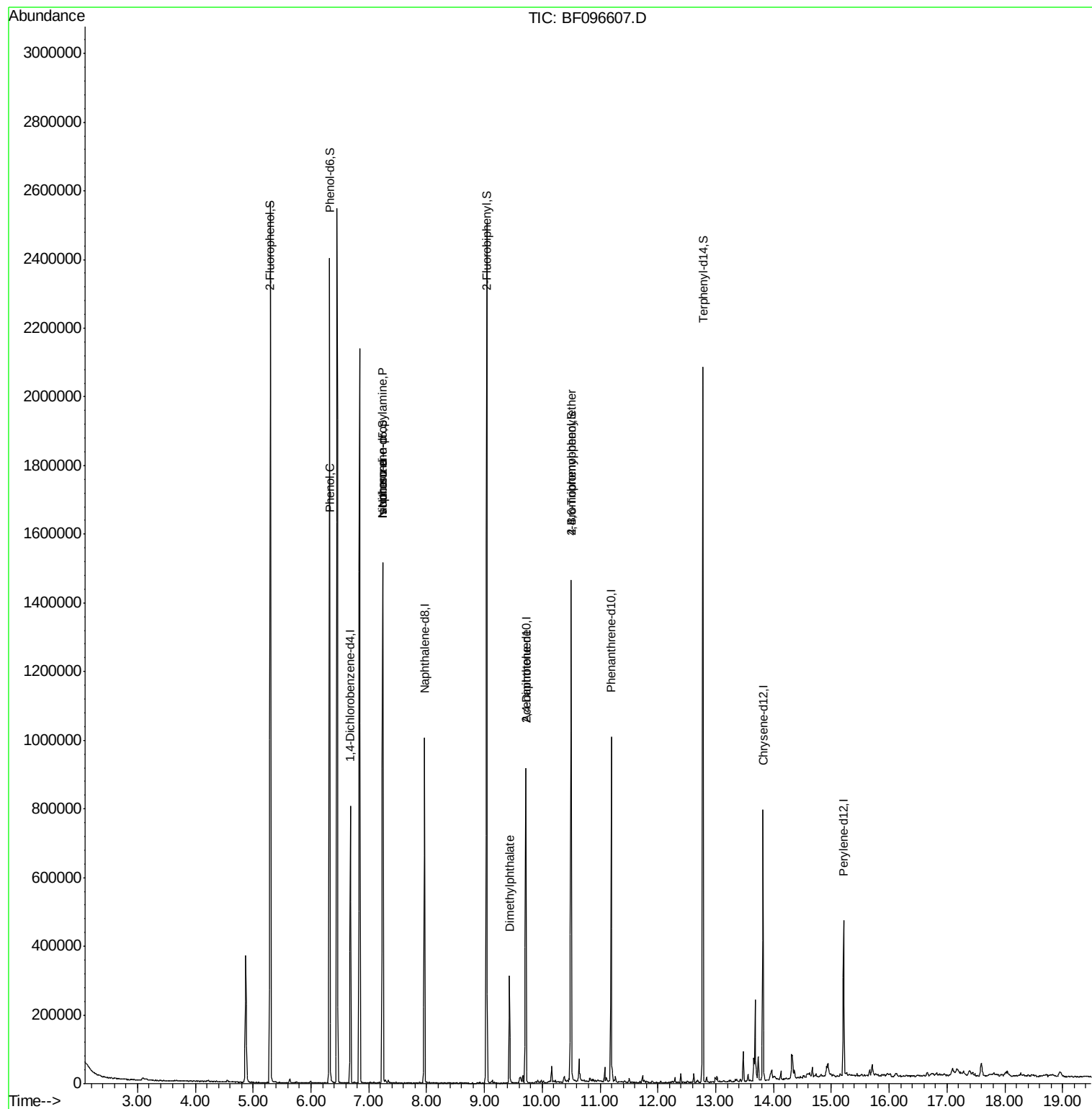
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.68  | 152  | 111044   | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8             | 7.96  | 136  | 462221   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10           | 9.71  | 164  | 205279   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10           | 11.19 | 188  | 349011   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12               | 13.82 | 240  | 257615   | 20.00  | ng    | -0.03     |
| 86) Perylene-d12               | 15.22 | 264  | 192407   | 20.00  | ng    | -0.03     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.30  | 112  | 696766   | 92.61  | ng    | -0.01     |
| 7) Phenol-d6                   | 6.32  | 99   | 858103   | 92.78  | ng    | -0.02     |
| 23) Nitrobenzene-d5            | 7.24  | 82   | 512930   | 66.68  | ng    | -0.03     |
| 41) 2,4,6-Tribromophenol       | 10.50 | 330  | 167156   | 104.25 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl           | 9.04  | 172  | 893792   | 74.44  | ng    | -0.02     |
| 78) Terphenyl-d14              | 12.78 | 244  | 705770   | 58.54  | ng    | -0.02     |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 6.33  | 94   | 21341    | 2.03   | ng    | Qvalue 92 |
| 19) n-Nitroso-di-n-propylamine | 7.24  | 70   | 68181    | 12.37  | ng    | # 87      |
| 25) Isophorone                 | 7.24  | 82   | 510528   | 34.23  | ng    | # 67      |
| 49) Dimethylphthalate          | 9.43  | 163  | 118633   | 7.74   | ng    | 99        |
| 56) 2,4-Dinitrotoluene         | 9.71  | 165  | 26049    | 6.07   | ng    | # 33      |
| 66) 4-Bromophenyl-phenylether  | 10.50 | 248  | 10009    | 2.95   | ng    | # 1       |

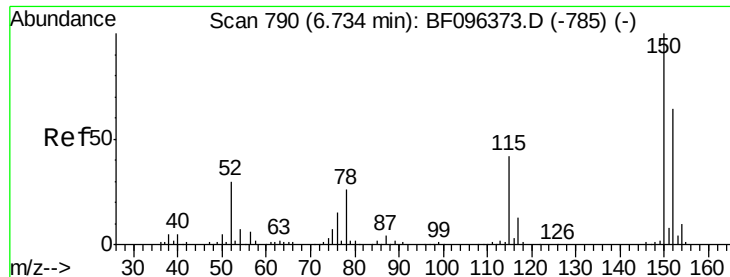
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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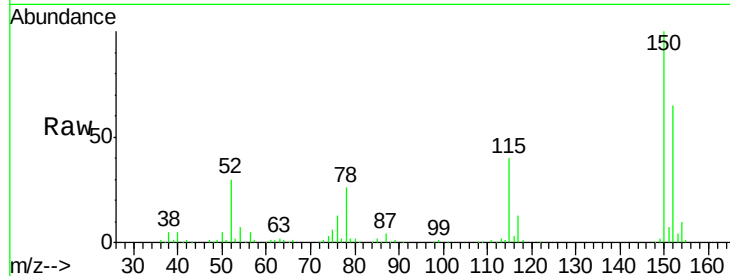


#1

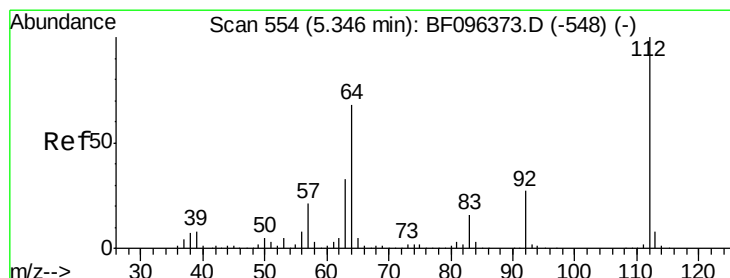
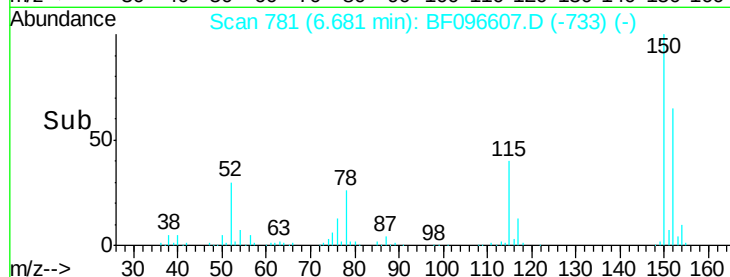
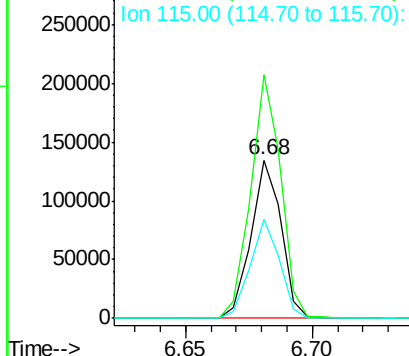
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.68 min Scan# 781  
Delta R.T. -0.02 min  
Lab File: BF096607.D  
Acq: 10 Jul 2017 18:07

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 111044  
Ion Ratio Lower Upper  
152 100  
150 153.6 126.2 189.2  
115 62.1 52.2 78.2



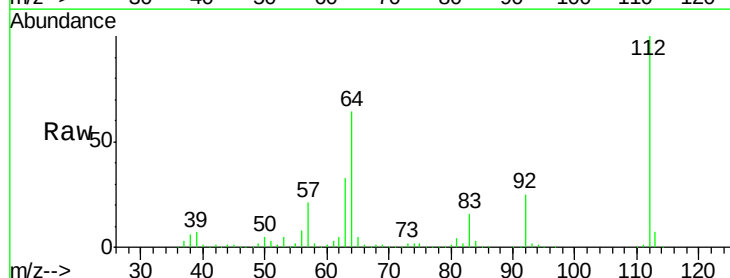
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



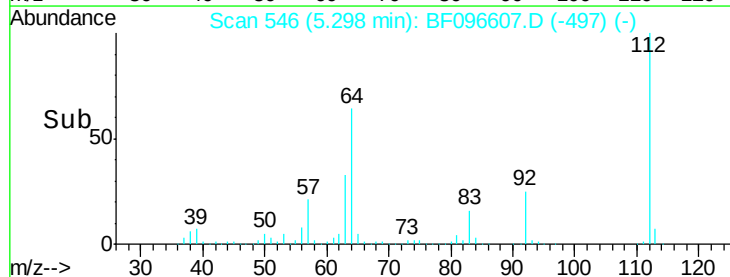
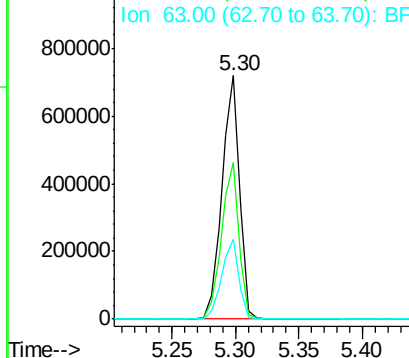
#5

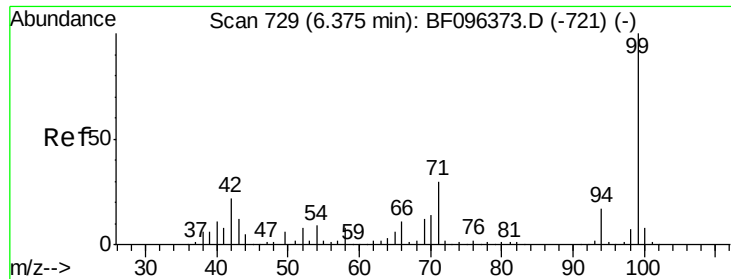
2-Fluorophenol  
Concen: 92.61 ng  
RT: 5.30 min Scan# 546  
Delta R.T. -0.01 min  
Lab File: BF096607.D  
Acq: 10 Jul 2017 18:07

Tgt Ion:112 Resp: 696766  
Ion Ratio Lower Upper  
112 100  
64 64.2 46.0 69.0  
63 32.8 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: 92.78 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF096607.D

Acq: 10 Jul 2017 18:07

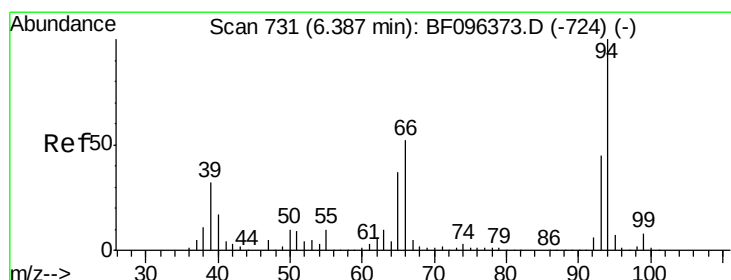
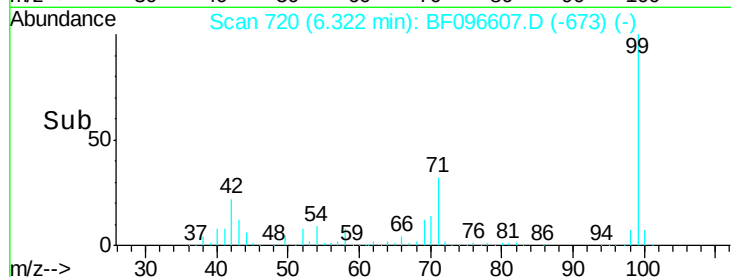
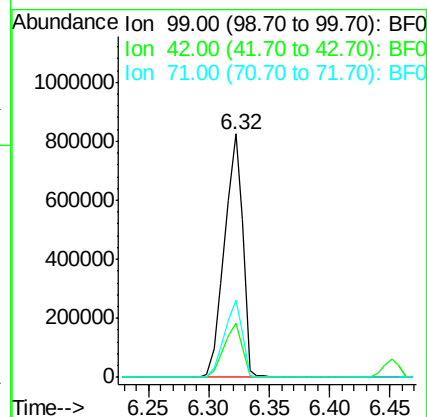
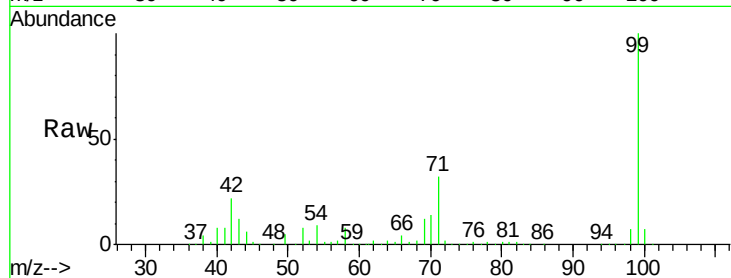
Instrument :

BNA\_F

ClientSampled :

Tot Ion: 99 Resp: 858103

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.4  | 13.5  | 20.3# |
| 71  | 31.5  | 24.5  | 36.7  |



#10

Phenol

Concen: 2.03 ng

RT: 6.33 min Scan# 722

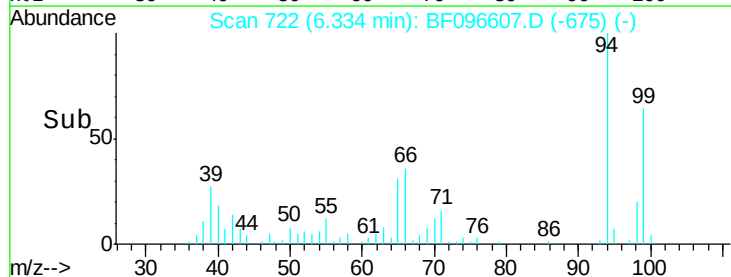
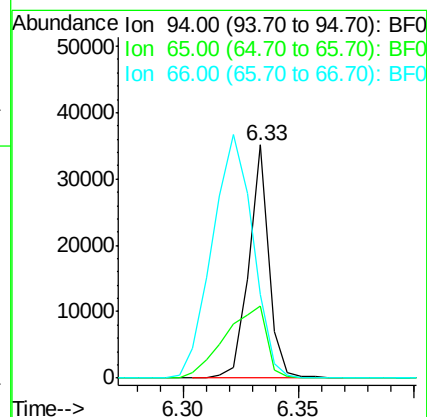
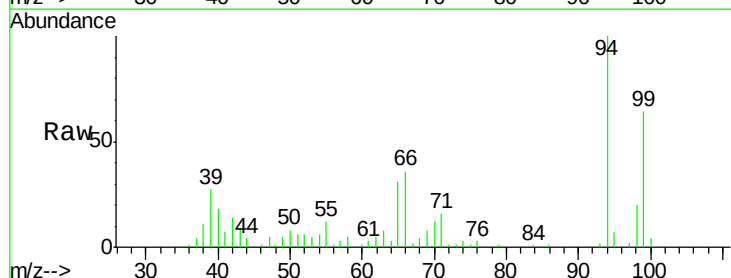
Delta R.T. -0.02 min

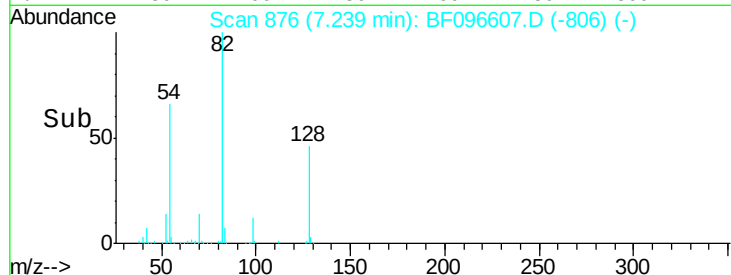
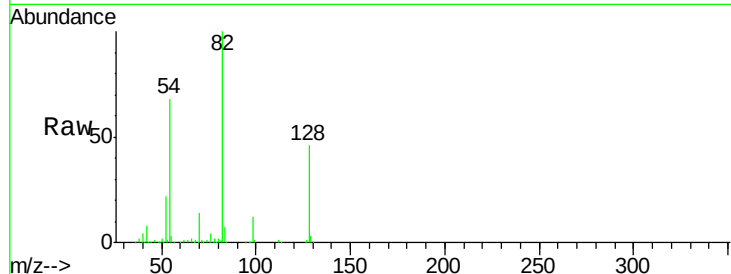
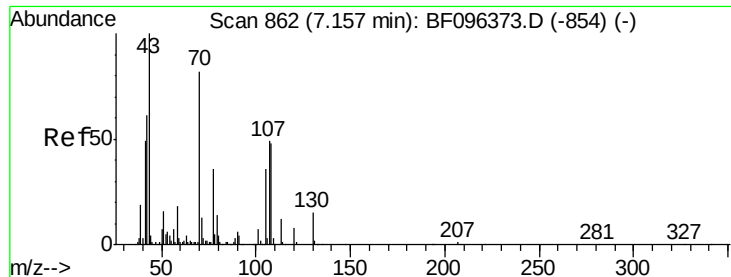
Lab File: BF096607.D

Acq: 10 Jul 2017 18:07

Tgt Ion: 94 Resp: 21341

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 30.9  | 9.9   | 49.9  |
| 66  | 35.7  | 23.1  | 63.1  |

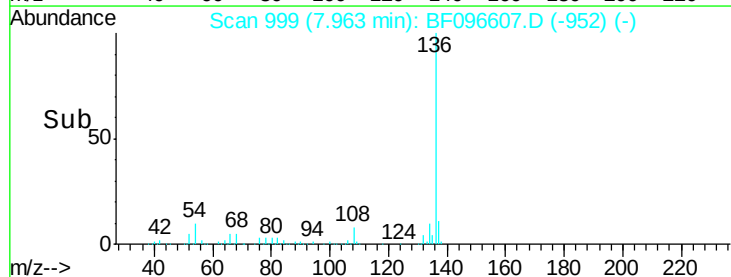
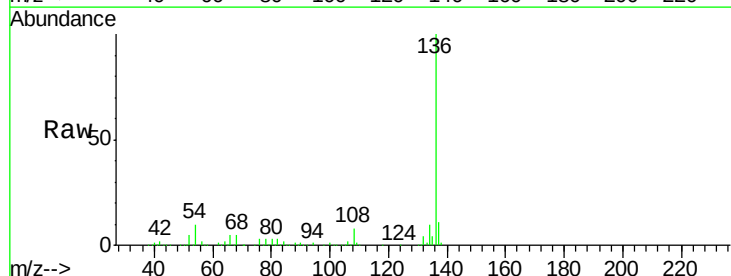
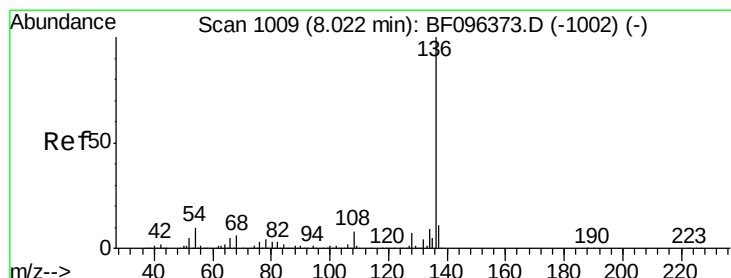
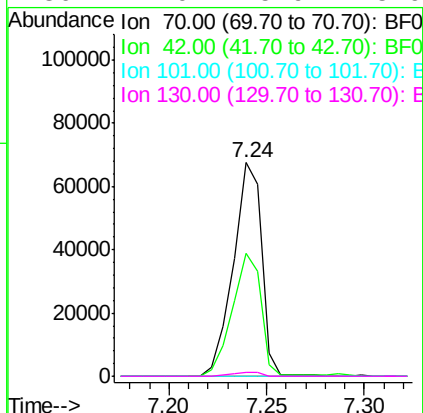




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.37 ng  
RT: 7.24 min Scan# 876  
Delta R.T. 0.11 min  
Lab File: BF096607.D  
Acq: 10 Jul 2017 18:07

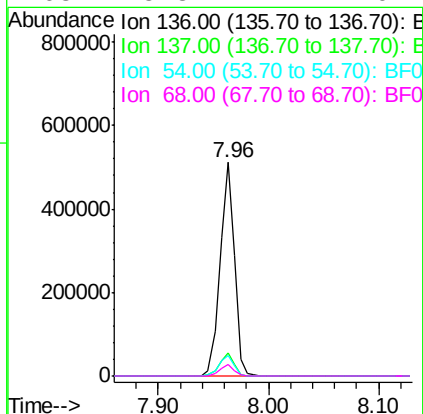
Instrument :  
BNA\_F  
ClientSampleId :

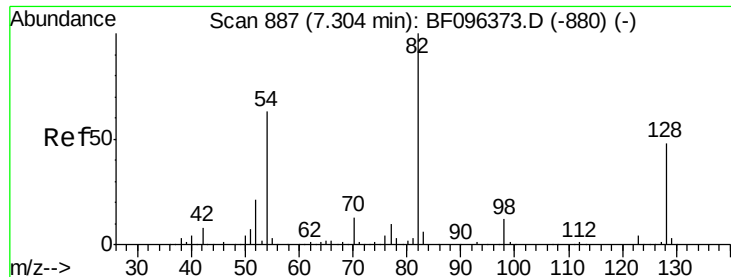
Tot Ion: 70 Resp: 68181  
Ion Ratio Lower Upper  
70 100  
42 57.3 47.2 70.8  
101 0.0 7.2 10.8#  
130 2.0 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.96 min Scan# 999  
Delta R.T. -0.02 min  
Lab File: BF096607.D  
Acq: 10 Jul 2017 18:07

Tgt Ion: 136 Resp: 462221  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.5 12.7  
54 9.9 4.9 7.3#  
68 5.3 4.1 6.1

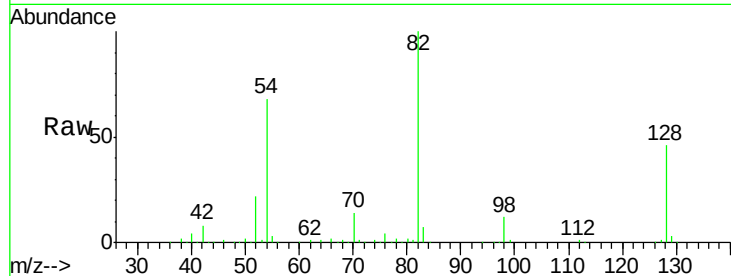




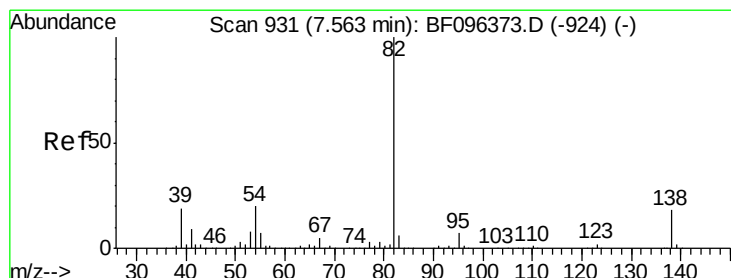
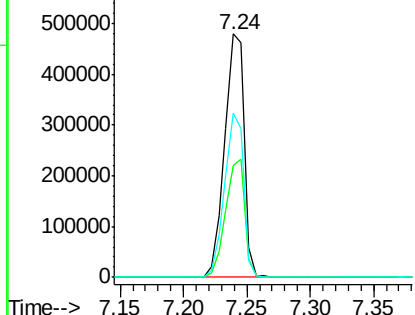
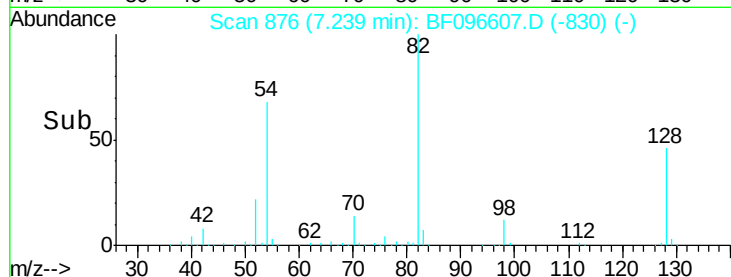
#23  
 Nitrobenzene-d5  
 Concen: 66.68 ng  
 RT: 7.24 min Scan# 876  
 Delta R.T. -0.03 min  
 Lab File: BF096607.D  
 Acq: 10 Jul 2017 18:07

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 82 Resp: 512930  
 Ion Ratio Lower Upper  
 82 100  
 128 46.0 34.0 51.0  
 54 67.5 42.2 63.2#

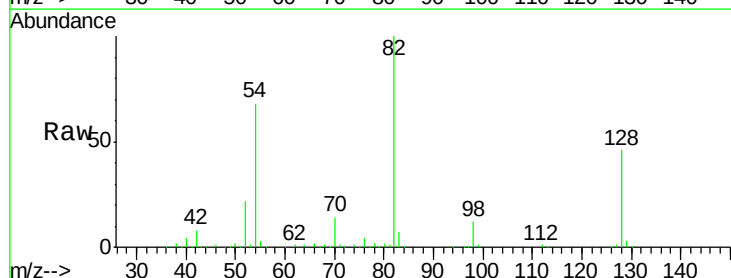


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

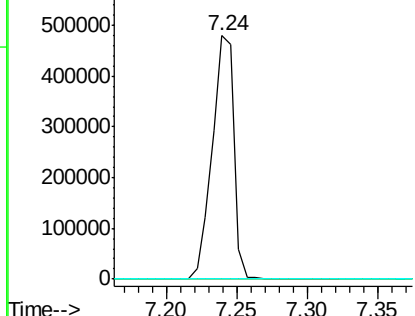
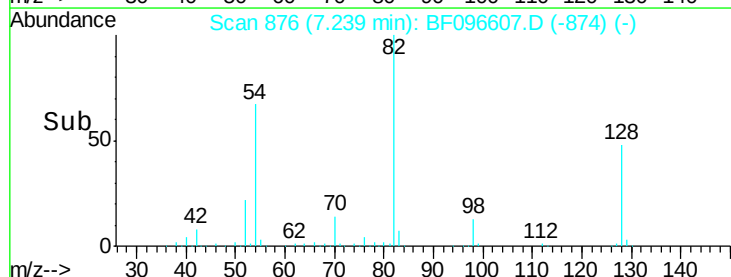


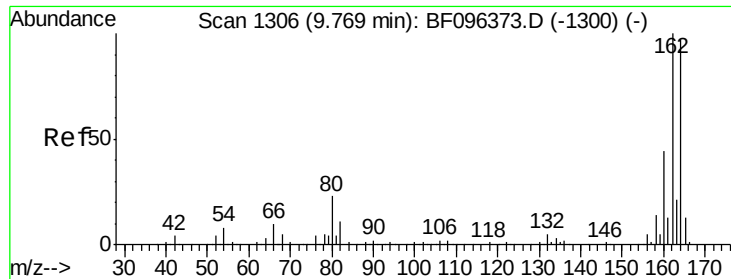
#25  
 Isophorone  
 Concen: 34.23 ng  
 RT: 7.24 min Scan# 876  
 Delta R.T. -0.29 min  
 Lab File: BF096607.D  
 Acq: 10 Jul 2017 18:07

Tgt Ion: 82 Resp: 510528  
 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: 20.00 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BF096607.D

Acq: 10 Jul 2017 18:07

Instrument :

BNA\_F

ClientSampleId :

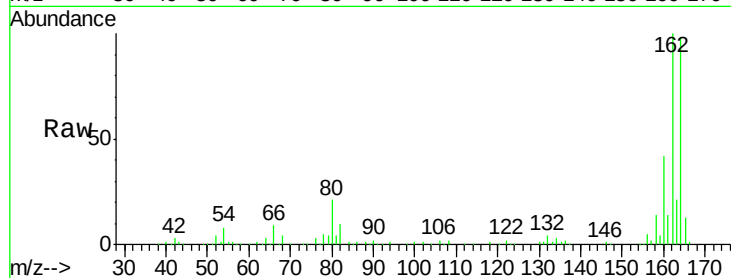
Tot Ion:164 Resp: 205279

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

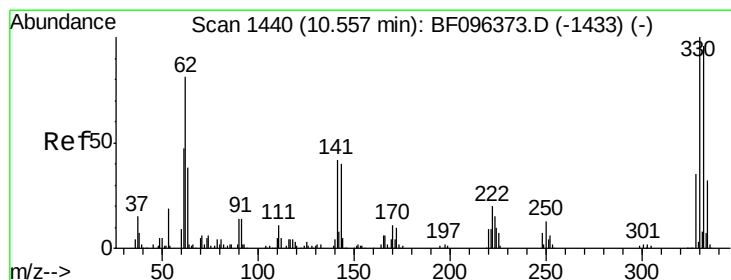
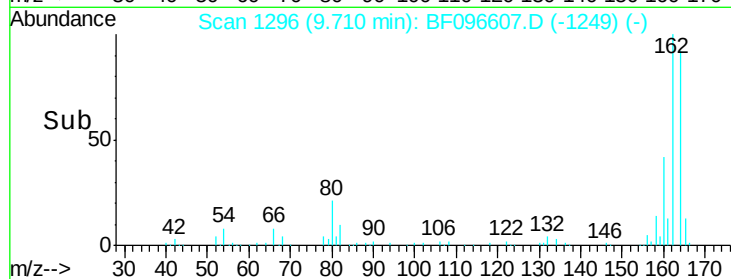
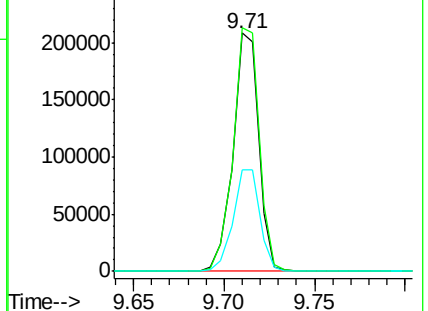
160 42.8 36.2 54.2



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: 104.25 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF096607.D

Acq: 10 Jul 2017 18:07

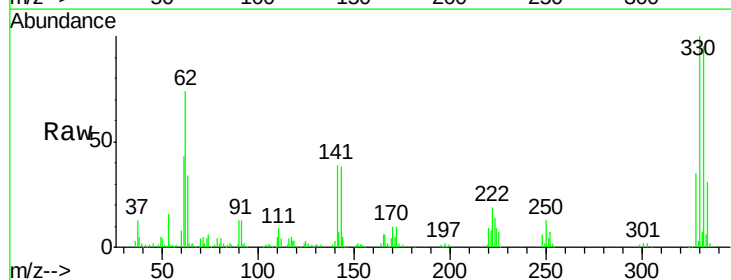
Tgt Ion:330 Resp: 167156

Ion Ratio Lower Upper

330 100

332 94.6 76.6 115.0

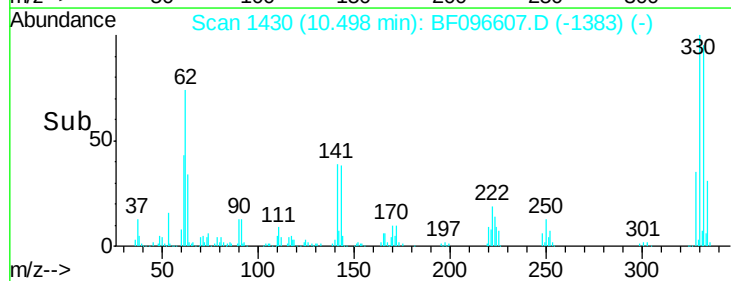
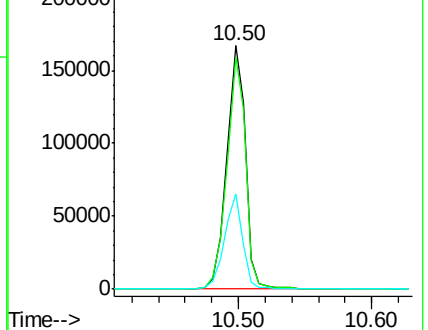
141 37.7 31.4 47.2

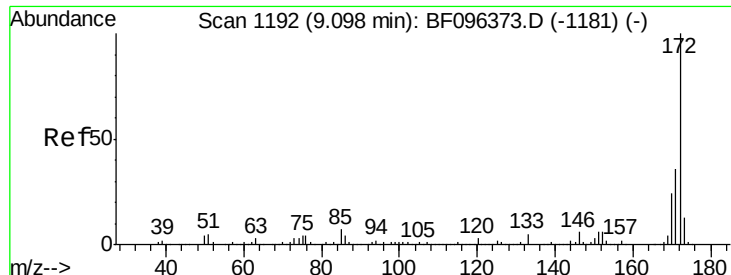


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

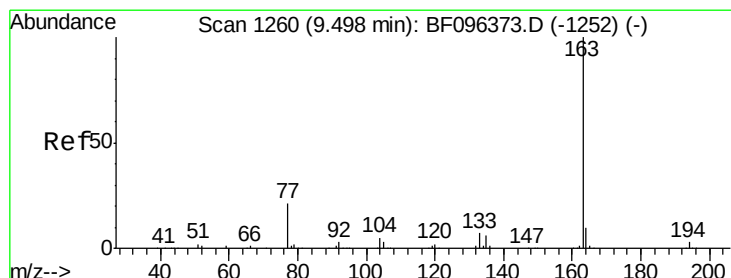
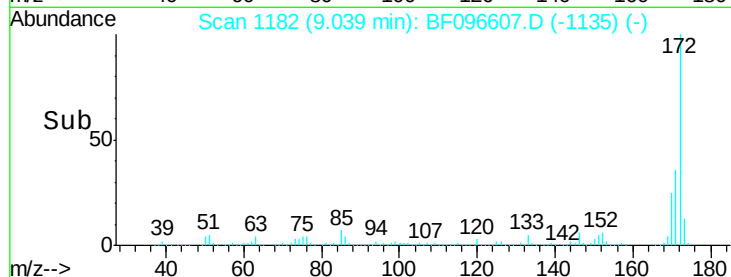
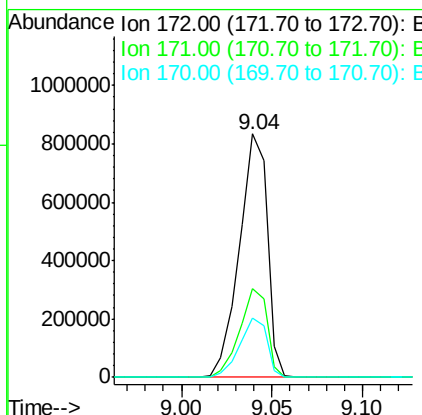
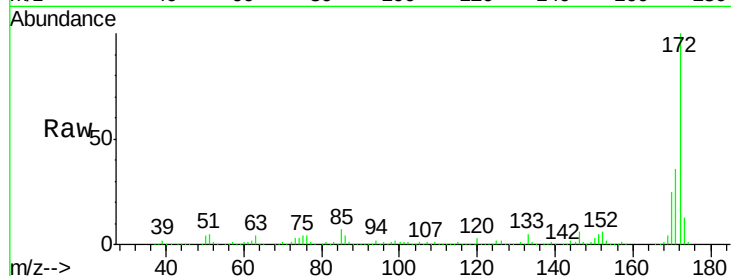




#44  
2-Fluorobiphenyl  
Concen: 74.44 ng  
RT: 9.04 min Scan# 1182  
Delta R.T. -0.02 min  
Lab File: BF096607.D  
Acq: 10 Jul 2017 18:07

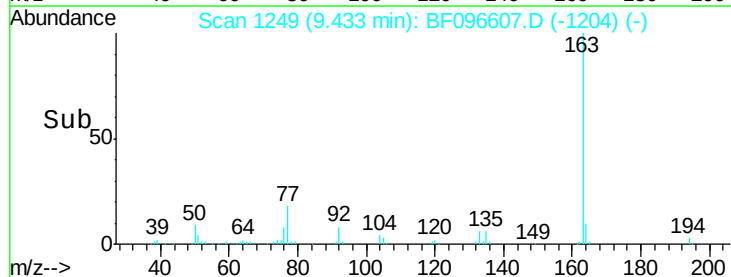
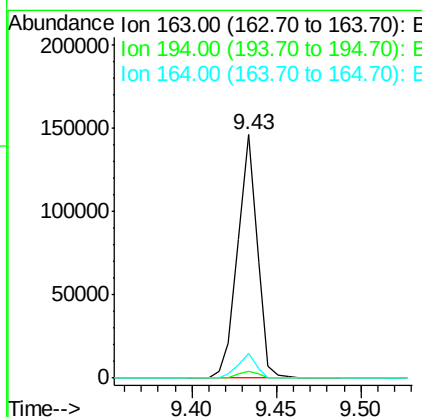
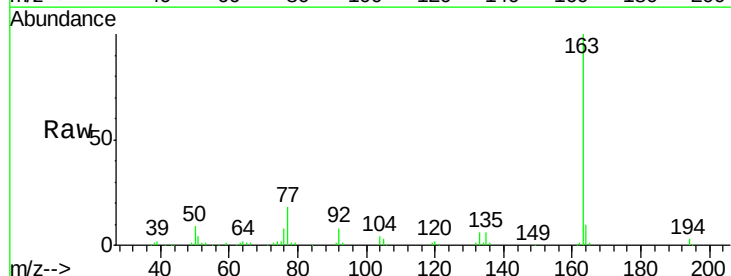
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 893792  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.6 44.4  
170 24.6 19.8 29.8

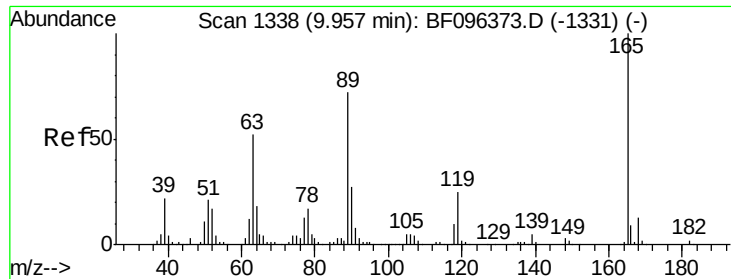


#49  
Dimethylphthalate  
Concen: 7.74 ng  
RT: 9.43 min Scan# 1249  
Delta R.T. -0.04 min  
Lab File: BF096607.D  
Acq: 10 Jul 2017 18:07

Tgt Ion:163 Resp: 118633  
Ion Ratio Lower Upper  
163 100  
194 3.0 2.6 4.0  
164 10.1 8.4 12.6



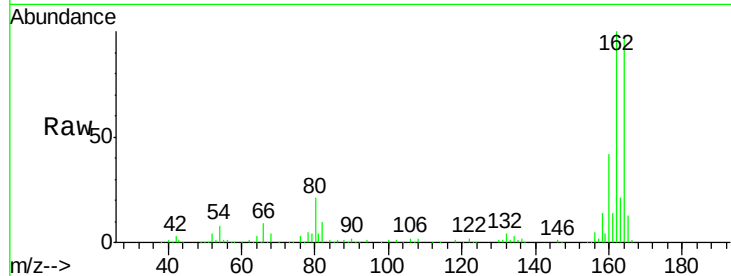




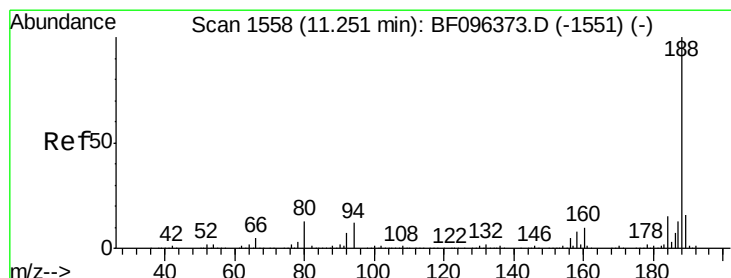
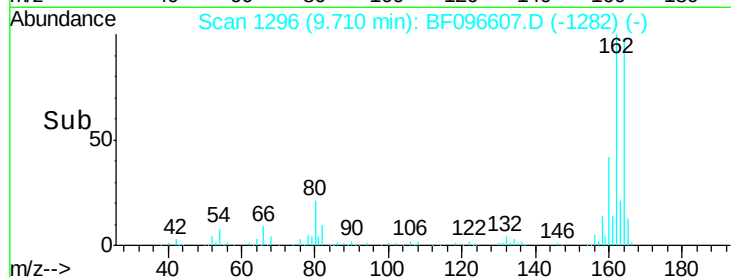
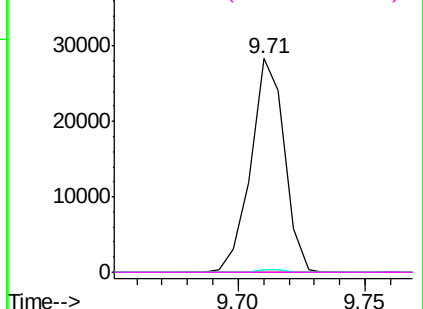
#56  
 2,4-Dinitrotoluene  
 Concen: 6.07 ng  
 RT: 9.71 min Scan# 1296  
 Delta R.T. -0.22 min  
 Lab File: BF096607.D  
 Acq: 10 Jul 2017 18:07

Instrument :  
 BNA\_F  
 ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 26049      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 1.2   | 25.4 38.0# |
| 89          | 1.2   | 46.4 69.6# |
| 182         | 0.0   | 1.8 2.6#   |

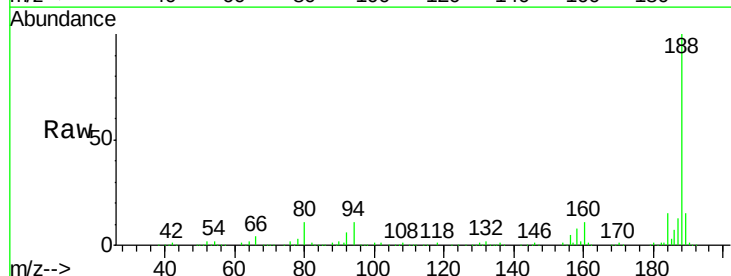


Abundance Ion 165.00 (164.70 to 165.70): E

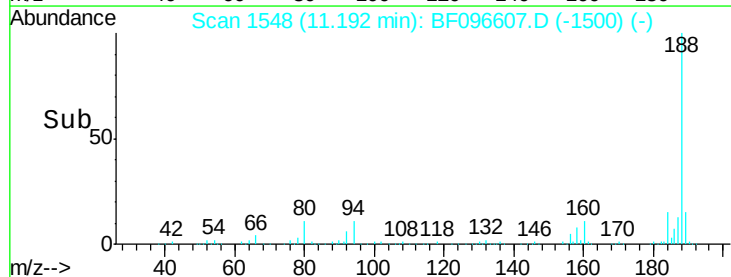
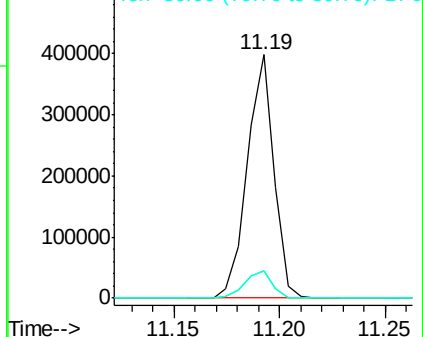


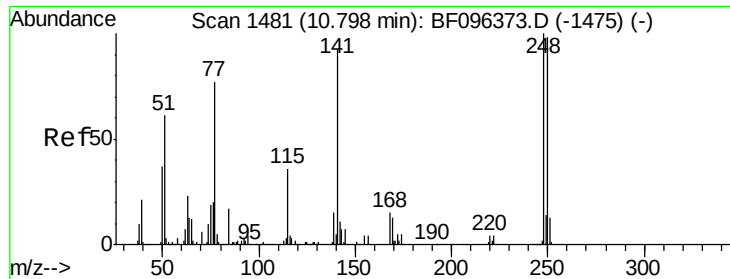
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.19 min Scan# 1548  
 Delta R.T. -0.02 min  
 Lab File: BF096607.D  
 Acq: 10 Jul 2017 18:07

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:188 | Resp: | 349011    |
| Ion Ratio   | Lower | Upper     |
| 188         | 100   |           |
| 94          | 11.1  | 9.4 14.2  |
| 80          | 11.3  | 10.2 15.2 |



Abundance Ion 188.00 (187.70 to 188.70): E

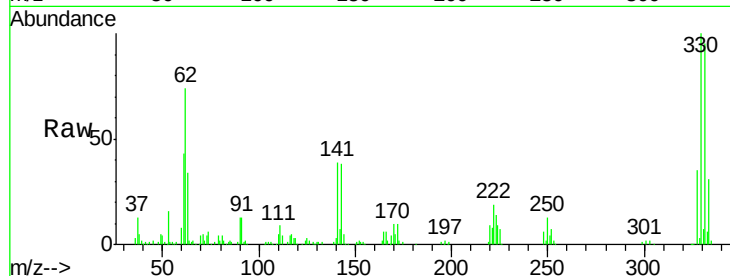




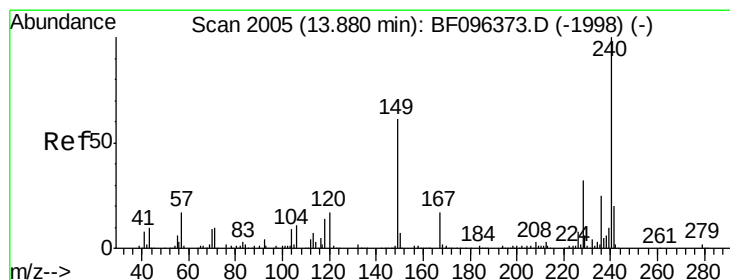
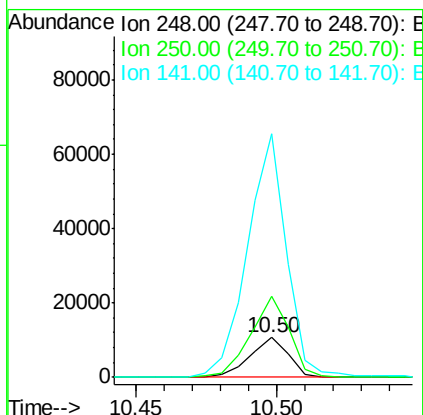
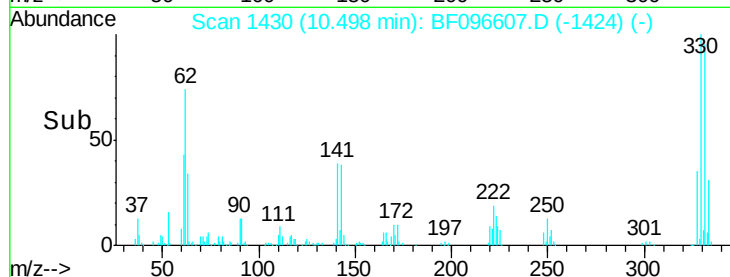
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.95 ng  
 RT: 10.50 min Scan# 1430  
 Delta R.T. -0.26 min  
 Lab File: BF096607.D  
 Acq: 10 Jul 2017 18:07

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 10009  
 Ion Ratio Lower Upper  
 248 100  
 250 205.2 76.8 115.2#  
 141 616.5 68.6 103.0#

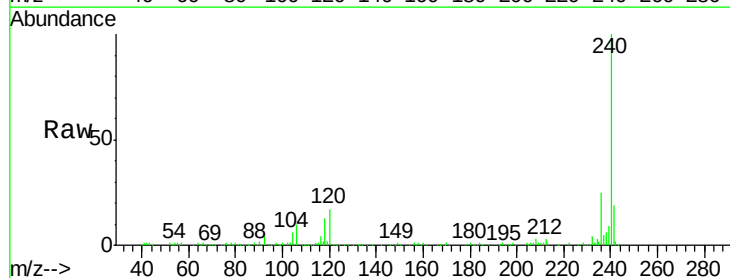


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

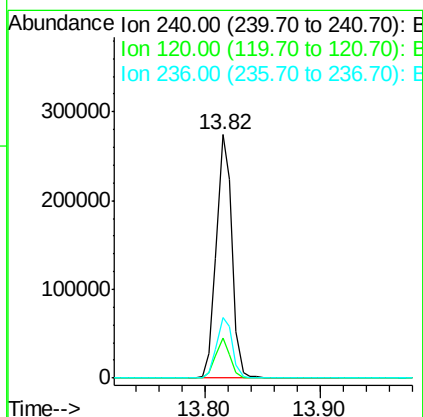
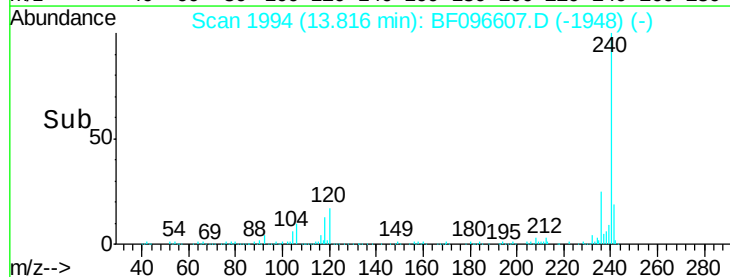


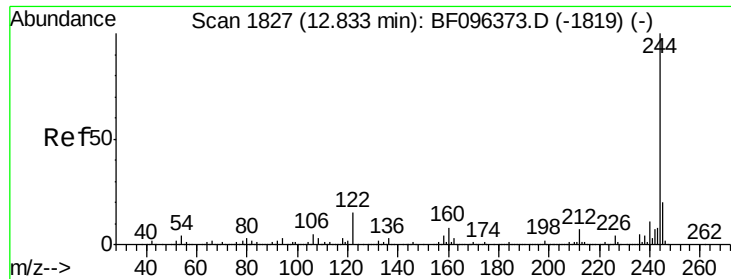
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.82 min Scan# 1994  
 Delta R.T. -0.03 min  
 Lab File: BF096607.D  
 Acq: 10 Jul 2017 18:07

Tgt Ion:240 Resp: 257615  
 Ion Ratio Lower Upper  
 240 100  
 120 16.6 5.8 8.8#  
 236 24.9 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

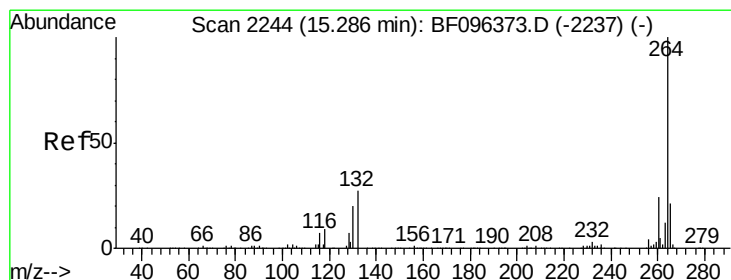
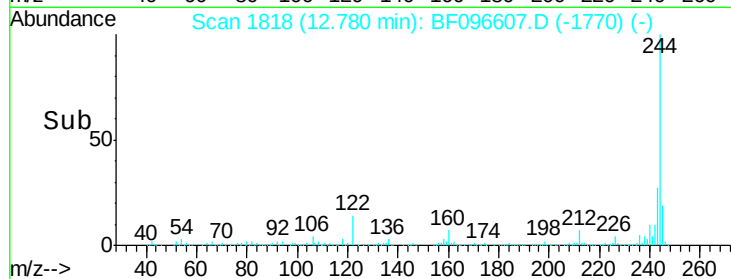
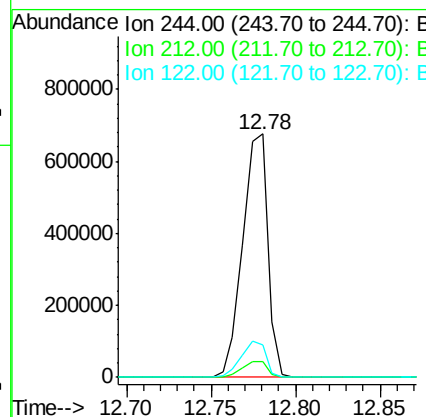
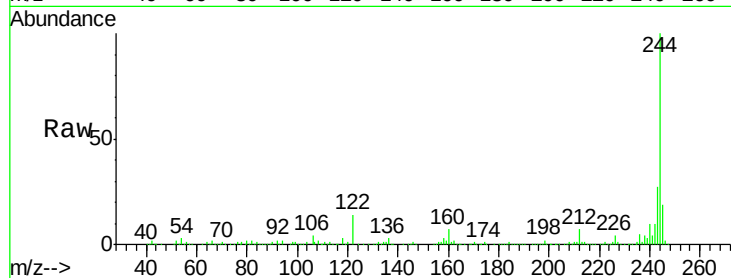




#78  
 Terphenyl-d14  
 Concen: 58.54 ng  
 RT: 12.78 min Scan# 1818  
 Delta R.T. -0.02 min  
 Lab File: BF096607.D  
 Acq: 10 Jul 2017 18:07

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 705770  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 6.0 9.0  
 122 13.5 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.22 min Scan# 2232  
 Delta R.T. -0.03 min  
 Lab File: BF096607.D  
 Acq: 10 Jul 2017 18:07

Tgt Ion:264 Resp: 192407  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 19.5 29.3  
 265 21.3 17.2 25.8

