

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\  
 Data File : BF100960.D  
 Acq On : 29 Nov 2017 3:57  
 Operator : SJ/JU  
 Sample : I6603-02  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 29 04:49:40 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 15:21:02 2017  
 Response via : Initial Calibration

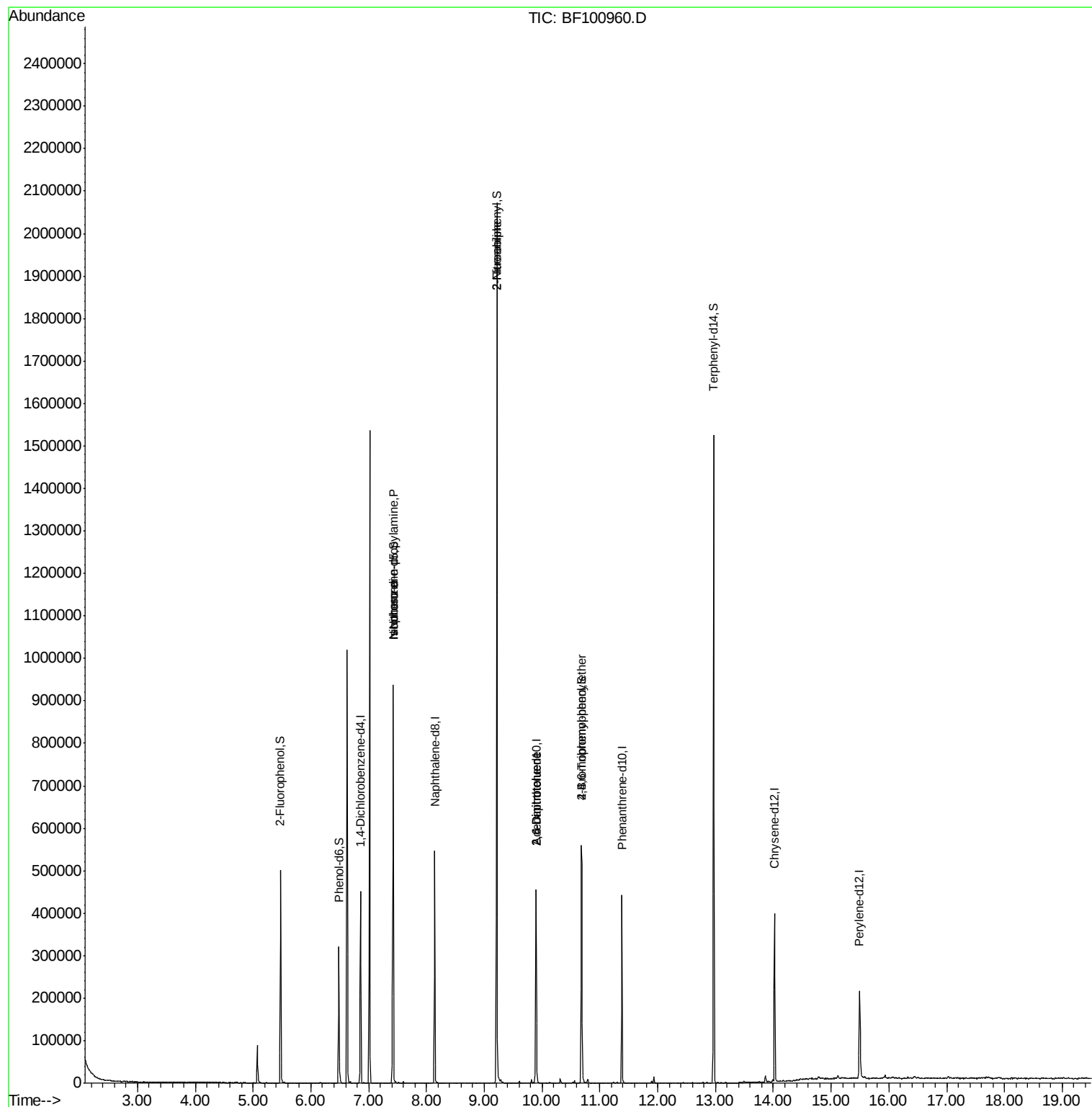
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 62409    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.14  | 136  | 223743   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.90  | 164  | 97094    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.38 | 188  | 156868   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.02 | 240  | 133748   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.49 | 264  | 108756   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 129451   | 33.25  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.48  | 99   | 92236    | 19.21  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 329524   | 97.37  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 78167    | 79.01  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.22  | 172  | 673043   | 105.55 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.97 | 244  | 477892   | 82.10  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 43892    | 13.183 | ng    | # 79     |
| 25) Isophorone                 | 7.42  | 82   | 329518   | 46.335 | ng    | # 64     |
| 47) 2-Nitroaniline             | 9.22  | 65   | 832      | 3.219  | ng    | # 3      |
| 50) 2,6-Dinitrotoluene         | 9.90  | 165  | 12071    | 8.226  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 9.90  | 165  | 12071    | 6.521  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.69 | 248  | 4664     | 2.774  | ng    | # 1      |

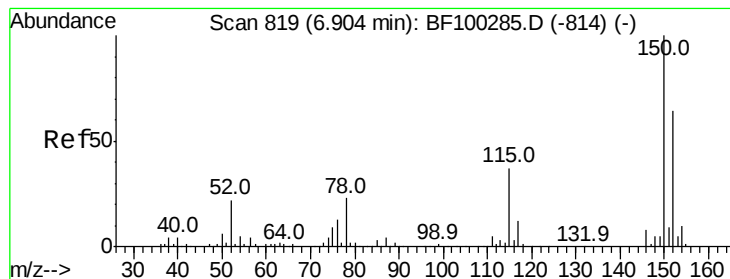
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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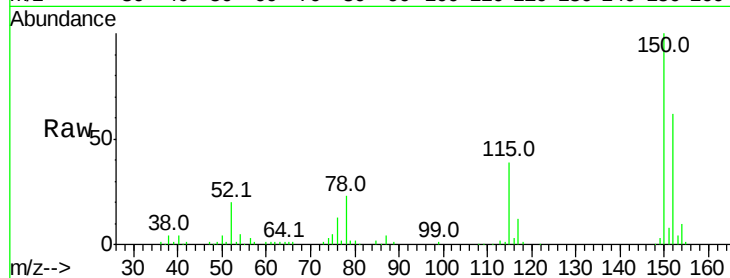


#1

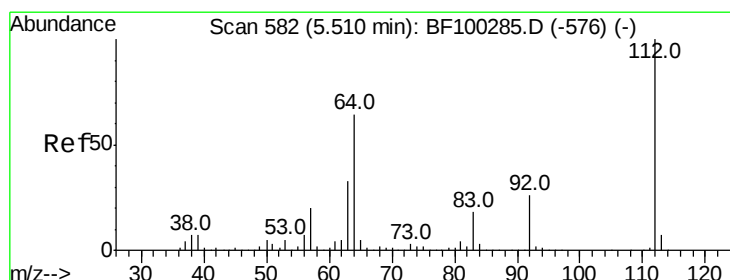
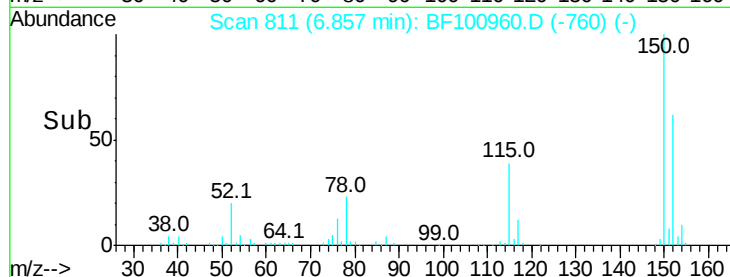
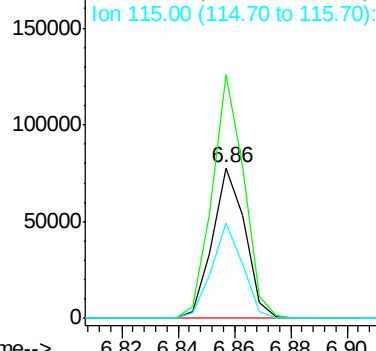
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: BF100960.D  
Acq: 29 Nov 2017 3:57

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 162.0 | 124.6 | 186.8 |
| 115     | 63.5  | 50.1  | 75.1  |



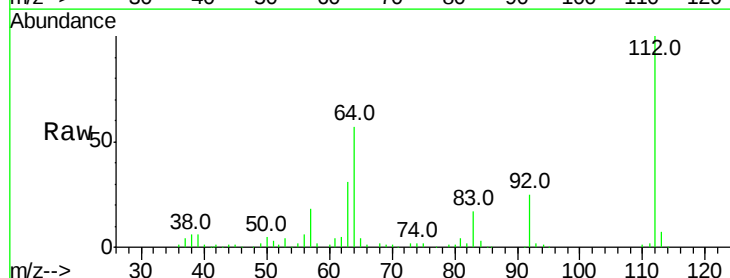
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



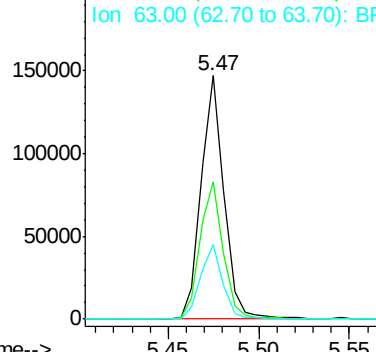
#5

2-Fluorophenol  
Concen: 33.250 ng  
RT: 5.47 min Scan# 576  
Delta R.T. -0.00 min  
Lab File: BF100960.D  
Acq: 29 Nov 2017 3:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.5  | 47.9  | 71.9  |
| 63      | 30.6  | 23.7  | 35.5  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 19.212 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF100960.D

Acq: 29 Nov 2017 3:57

Instrument :

BNA\_F

ClientSampleId :

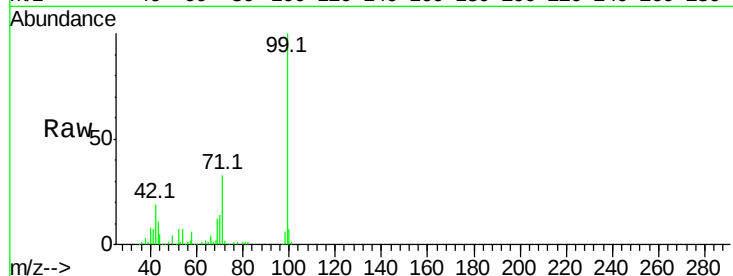
Tot Ion: 99 Resp: 92236

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

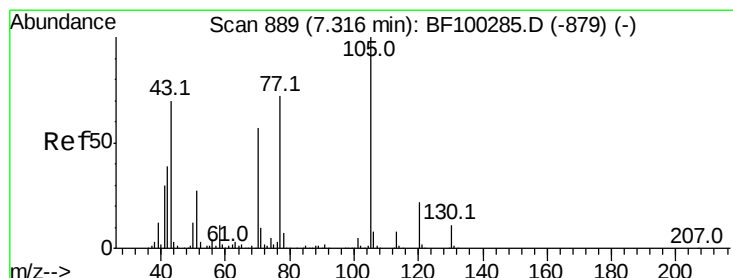
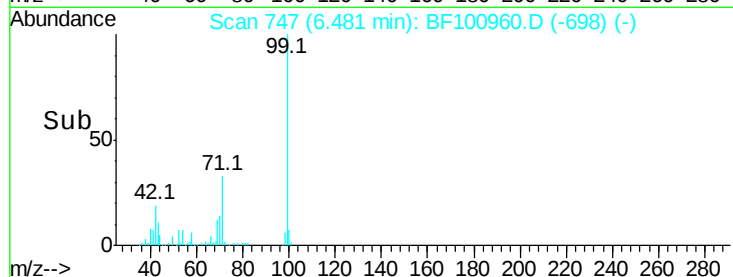
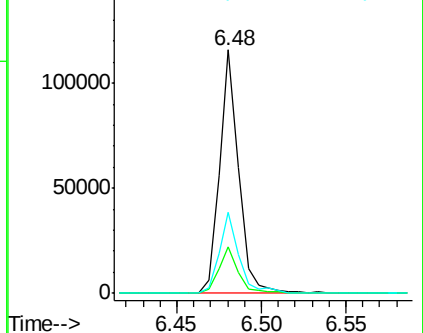
71 33.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.183 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100960.D

Acq: 29 Nov 2017 3:57

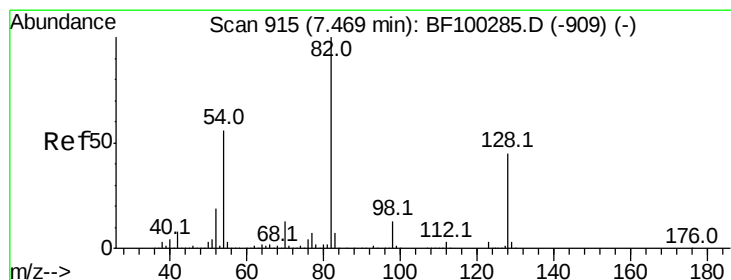
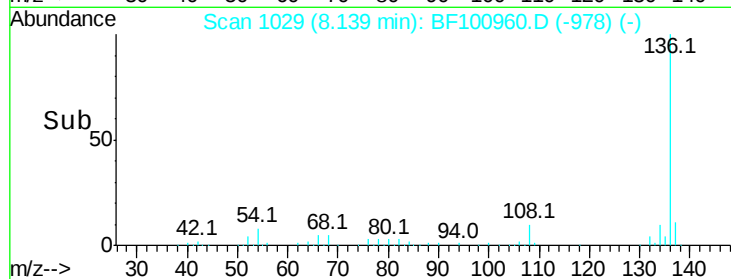
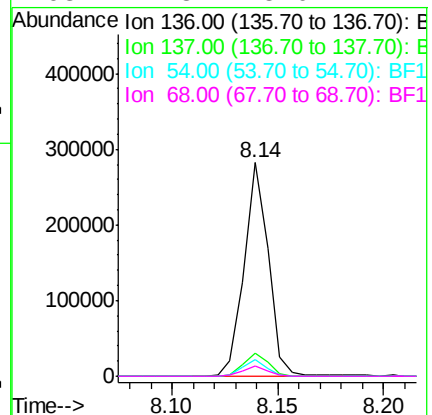
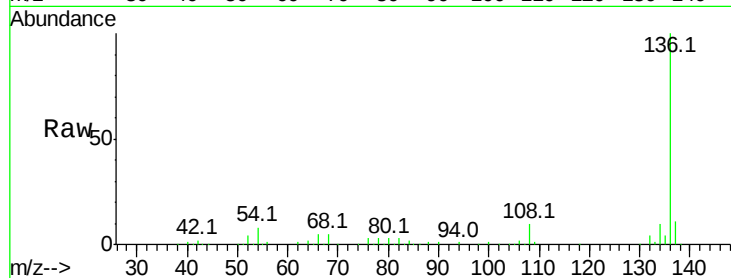
Tgt Ion: 70 Resp: 43892



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.00 min  
Lab File: BF100960.D  
Acq: 29 Nov 2017 3:57

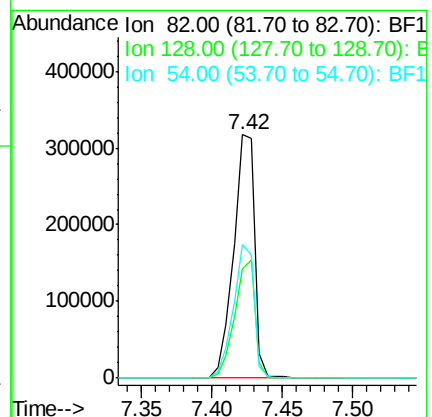
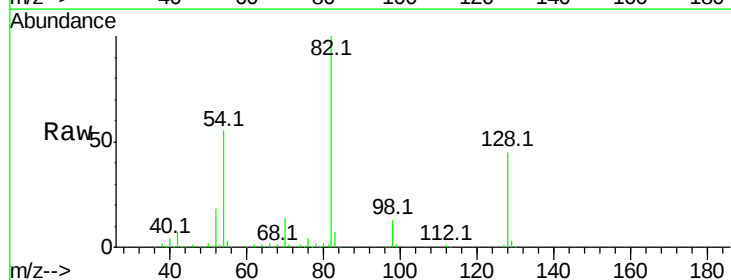
Instrument :  
BNA\_F  
ClientSampleId :

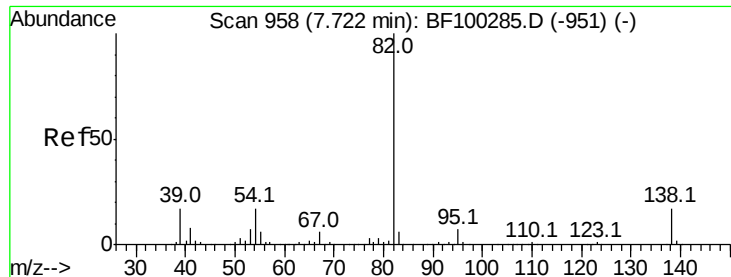
| Tot Ion:136 | Resp: | 223743 |       |
|-------------|-------|--------|-------|
| Ion         | Ratio | Lower  | Upper |
| 136         | 100   |        |       |
| 137         | 10.7  | 8.9    | 13.3  |
| 54          | 7.8   | 6.6    | 9.8   |
| 68          | 4.8   | 5.0    | 7.4#  |



#23  
Nitrobenzene-d5  
Concen: 97.370 ng  
RT: 7.42 min Scan# 907  
Delta R.T. -0.01 min  
Lab File: BF100960.D  
Acq: 29 Nov 2017 3:57

| Tgt Ion: 82 | Resp: | 329524 |       |
|-------------|-------|--------|-------|
| Ion         | Ratio | Lower  | Upper |
| 82          | 100   |        |       |
| 128         | 45.0  | 36.1   | 54.1  |
| 54          | 54.7  | 41.4   | 62.2  |





#25

Isophorone

Concen: 46.335 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF100960.D

Acq: 29 Nov 2017 3:57

Instrument :

BNA\_F

ClientSampleId :

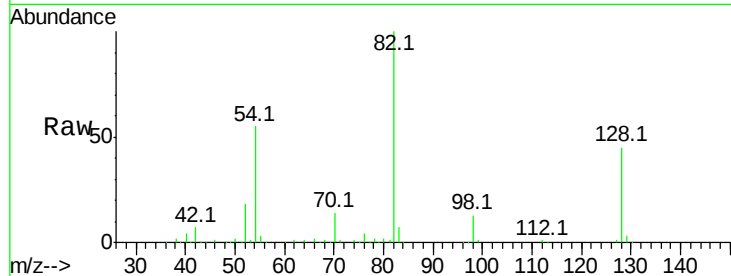
Tot Ion: 82 Resp: 329518

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

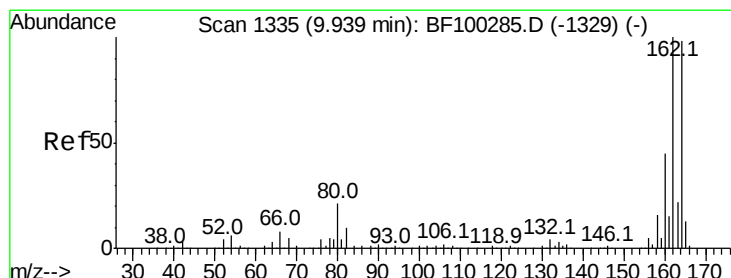
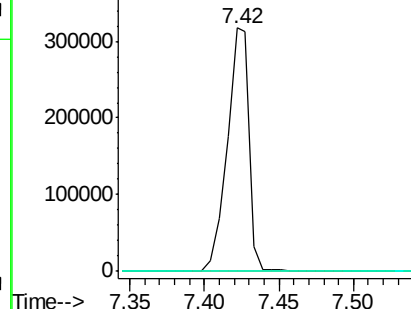
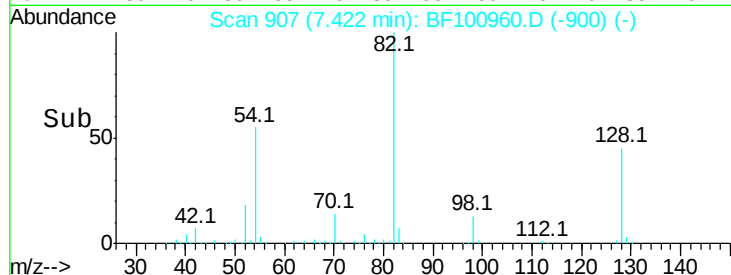
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

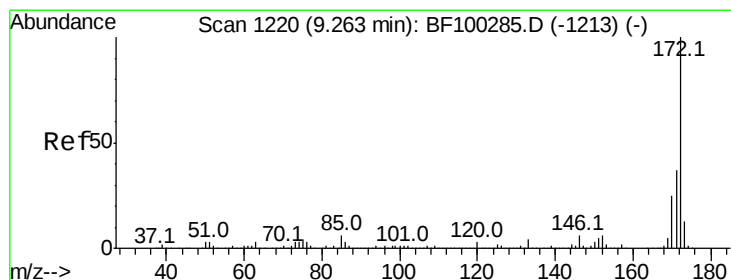
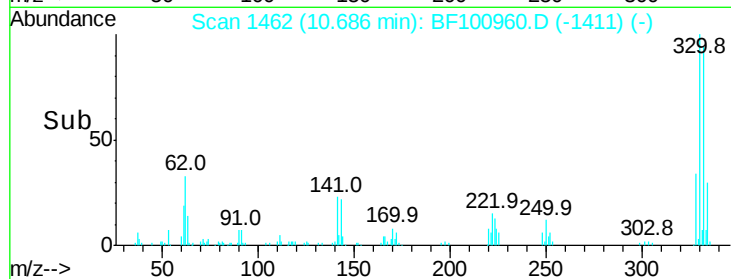
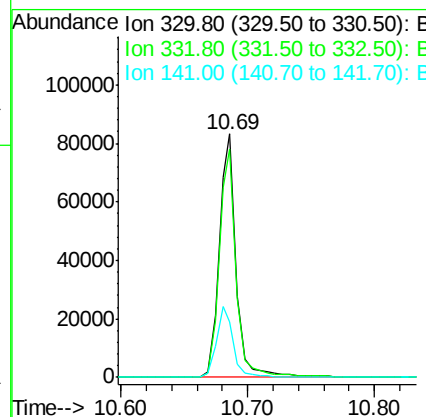
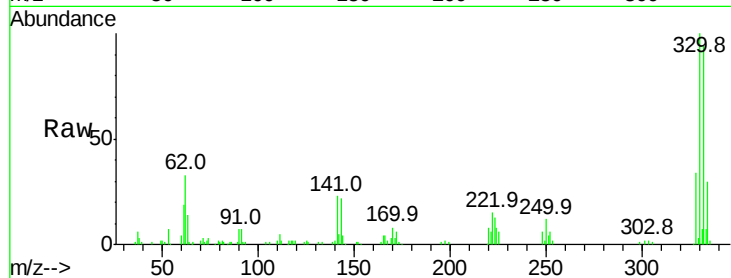
Concen: 20.000 ng



#41  
 2,4,6-Tribromophenol  
 Concen: 79.005 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.00 min  
 Lab File: BF100960.D  
 Acq: 29 Nov 2017 3:57

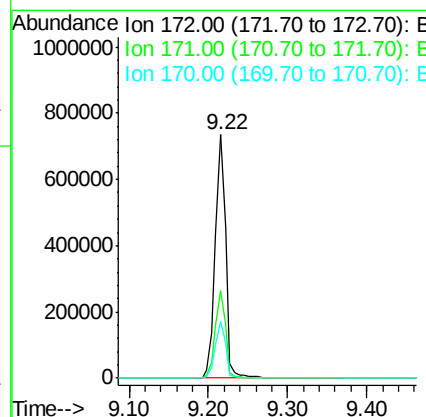
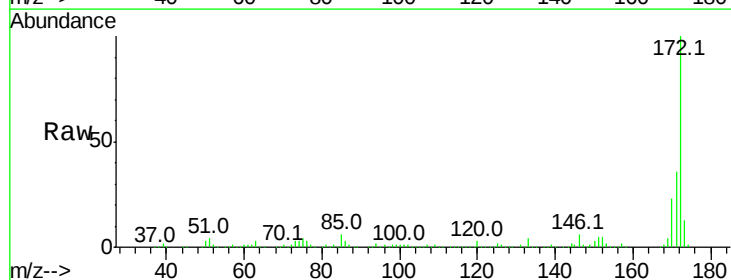
Instrument :  
 BNA\_F  
 ClientSampleId :

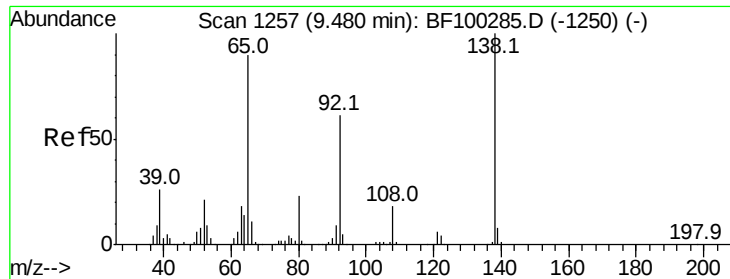
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.1  | 77.0  | 115.6 |
| 141     | 28.8  | 29.9  | 44.9# |



#44  
 2-Fluorobiphenyl  
 Concen: 105.552 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.00 min  
 Lab File: BF100960.D  
 Acq: 29 Nov 2017 3:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.7  | 44.5  |
| 170     | 23.4  | 19.6  | 29.4  |

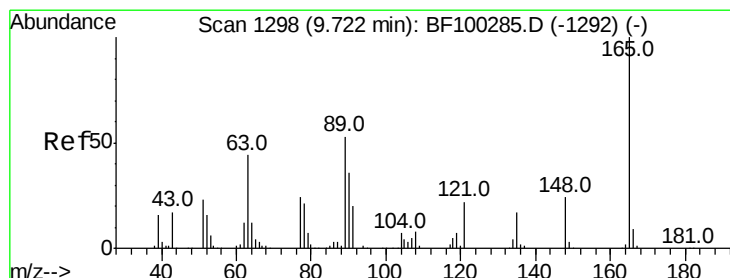
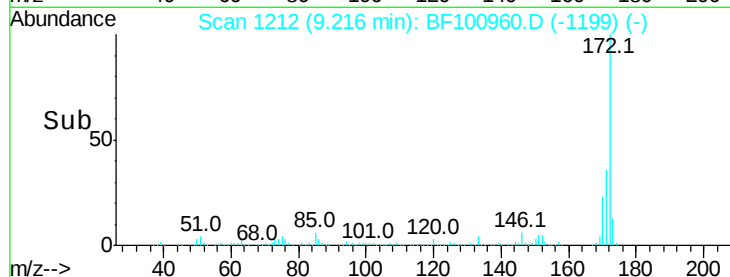
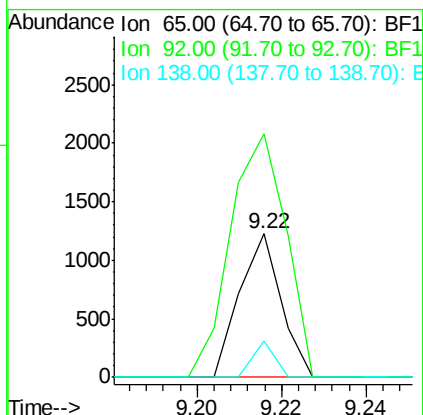
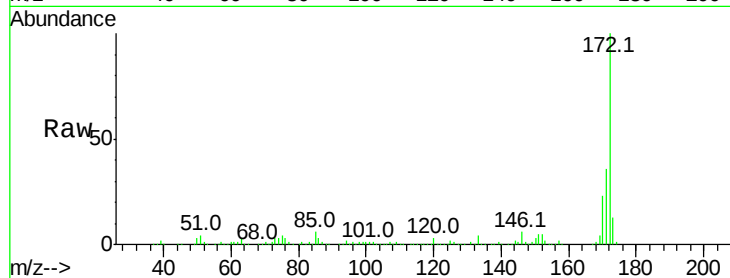




#47  
2-Nitroaniline  
Concen: 3.219 ng  
RT: 9.22 min Scan# 1212  
Delta R.T. -0.22 min  
Lab File: BF100960.D  
Acq: 29 Nov 2017 3:57

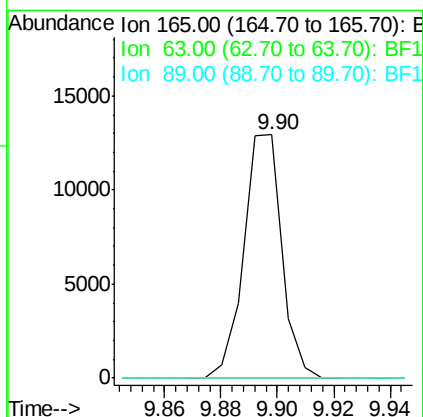
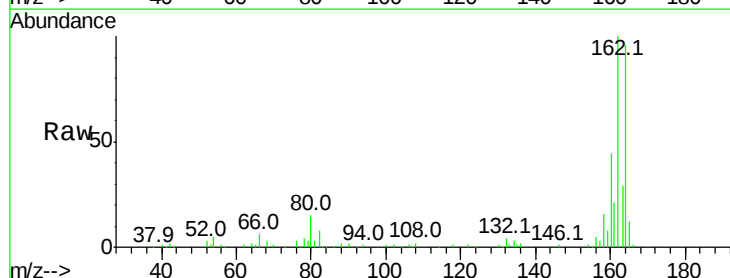
Instrument :  
BNA\_F  
ClientSampled :

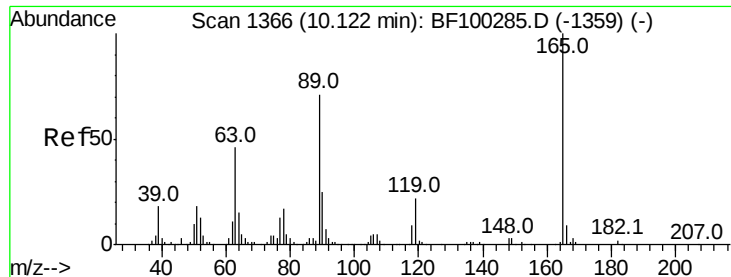
Tot Ion: 65 Resp: 832  
Ion Ratio Lower Upper  
65 100  
92 169.9 55.8 83.6#  
138 25.7 91.2 136.8#



#50  
2,6-Dinitrotoluene  
Concen: 8.226 ng  
RT: 9.90 min Scan# 1328  
Delta R.T. 0.21 min  
Lab File: BF100960.D  
Acq: 29 Nov 2017 3:57

Tgt Ion:165 Resp: 12071  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.7 67.1#  
89 0.0 44.0 66.0#

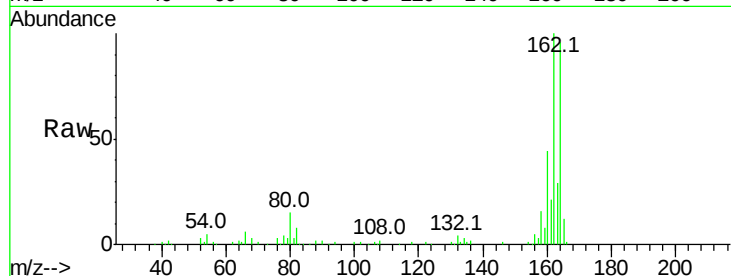




#56  
 2,4-Dinitrotoluene  
 Concen: 6.521 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.19 min  
 Lab File: BF100960.D  
 Acq: 29 Nov 2017 3:57

Instrument :  
 BNA\_F  
 ClientSampleId :

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

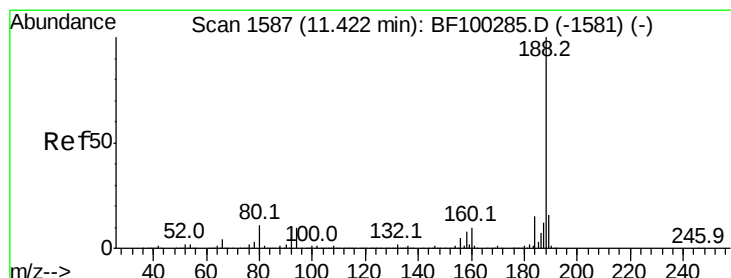
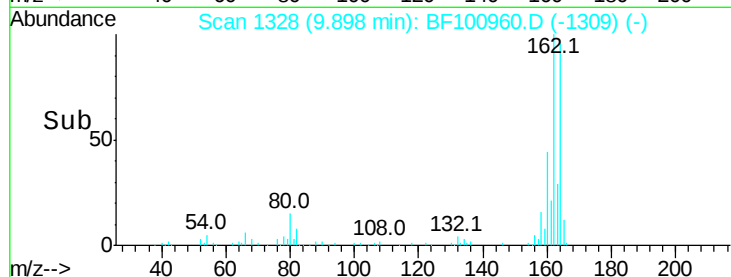
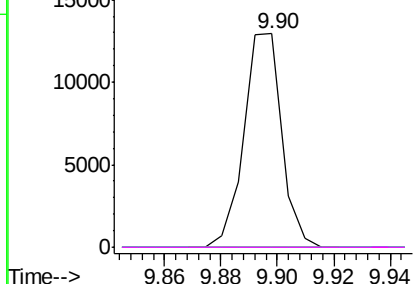


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

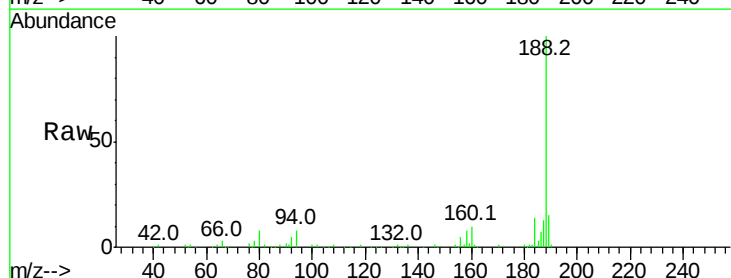
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



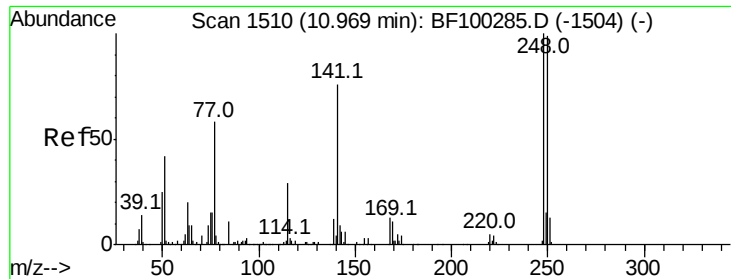
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.38 min Scan# 1580  
 Delta R.T. -0.00 min  
 Lab File: BF100960.D  
 Acq: 29 Nov 2017 3:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.8   | 8.5   | 12.7# |
| 80      | 8.5   | 9.2   | 13.8# |



Abundance Ion 188.00 (187.70 to 188.70): E

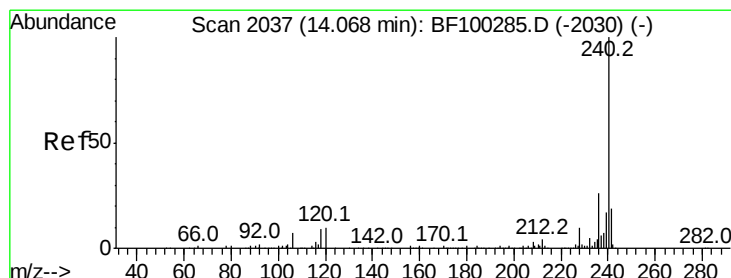
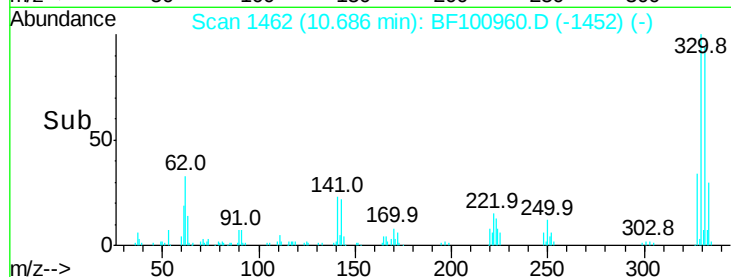
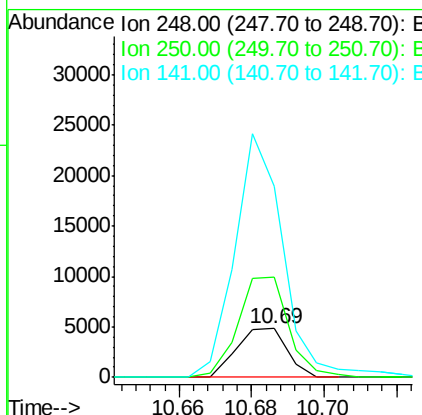
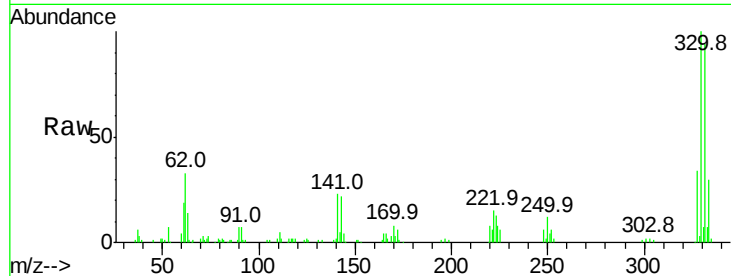
Ion 9



#66  
4-Bromophenyl-phenylether  
Concen: 2.774 ng  
RT: 10.69 min Scan# 1462  
Delta R.T. -0.24 min  
Lab File: BF100960.D  
Acq: 29 Nov 2017 3:57

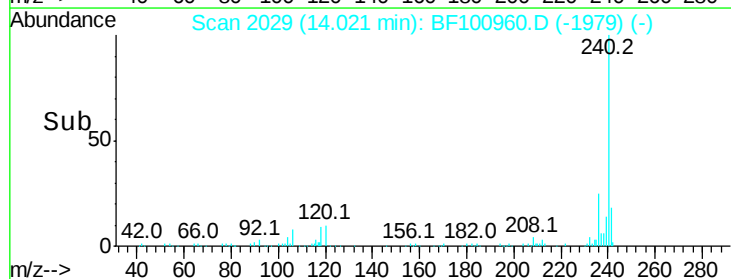
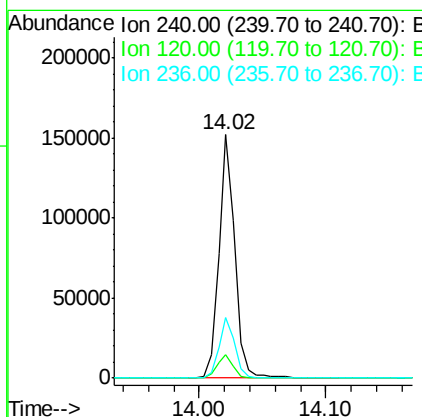
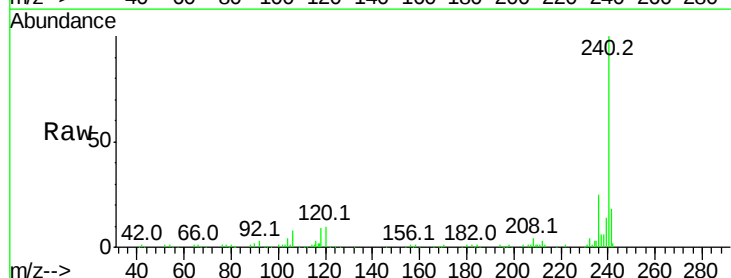
Instrument :  
BNA\_F  
ClientSampleId :

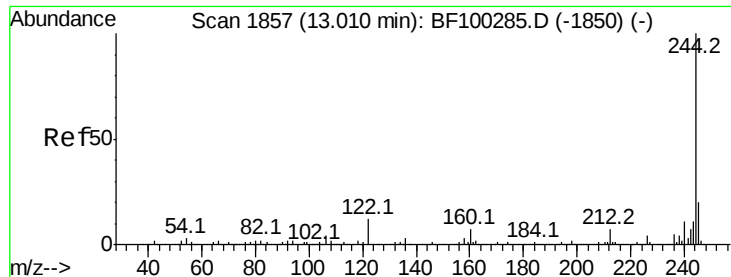
Tot Ion:248 Resp: 4664  
Ion Ratio Lower Upper  
248 100  
250 204.4 76.9 115.3#  
141 390.7 74.4 111.6#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.01 min  
Lab File: BF100960.D  
Acq: 29 Nov 2017 3:57

Tgt Ion:240 Resp: 133748  
Ion Ratio Lower Upper  
240 100  
120 9.5 9.5 14.3  
236 24.9 20.7 31.1

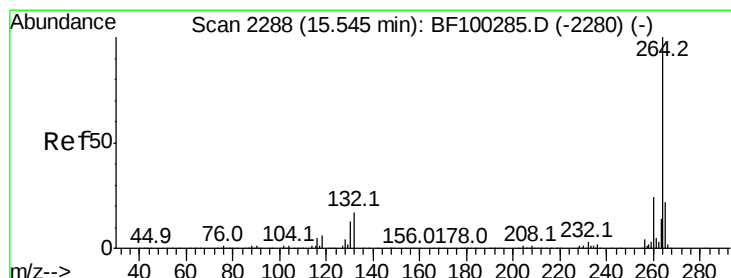
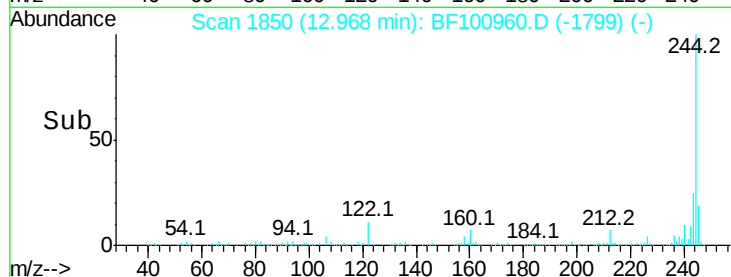
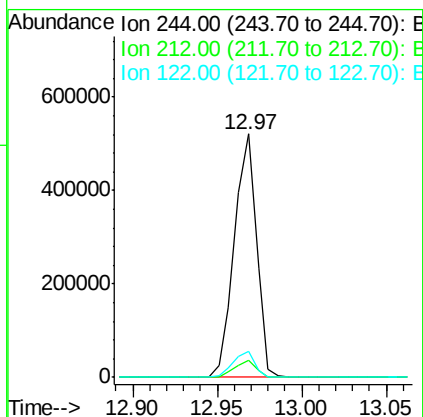
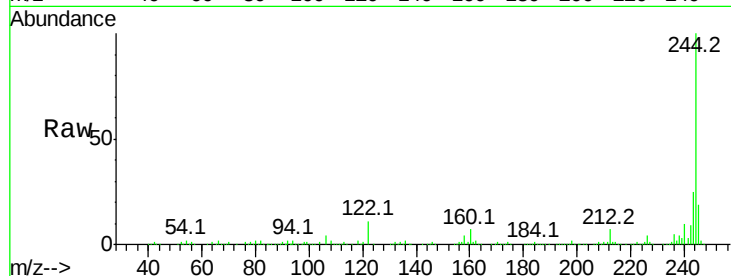




#78  
 Terphenyl-d14  
 Concen: 82.099 ng  
 RT: 12.97 min Scan# 1850  
 Delta R.T. -0.00 min  
 Lab File: BF100960.D  
 Acq: 29 Nov 2017 3:57

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 477892  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.0  
 122 10.8 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. -0.00 min  
 Lab File: BF100960.D  
 Acq: 29 Nov 2017 3:57

Tgt Ion:264 Resp: 108756  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.2 28.8  
 265 20.8 17.5 26.3

