

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\  
 Data File : BF101044.D  
 Acq On : 1 Dec 2017 3:20  
 Operator : SJ/JU  
 Sample : I6619-01  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 01 04:38:37 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 30 16:01:41 2017  
 Response via : Initial Calibration

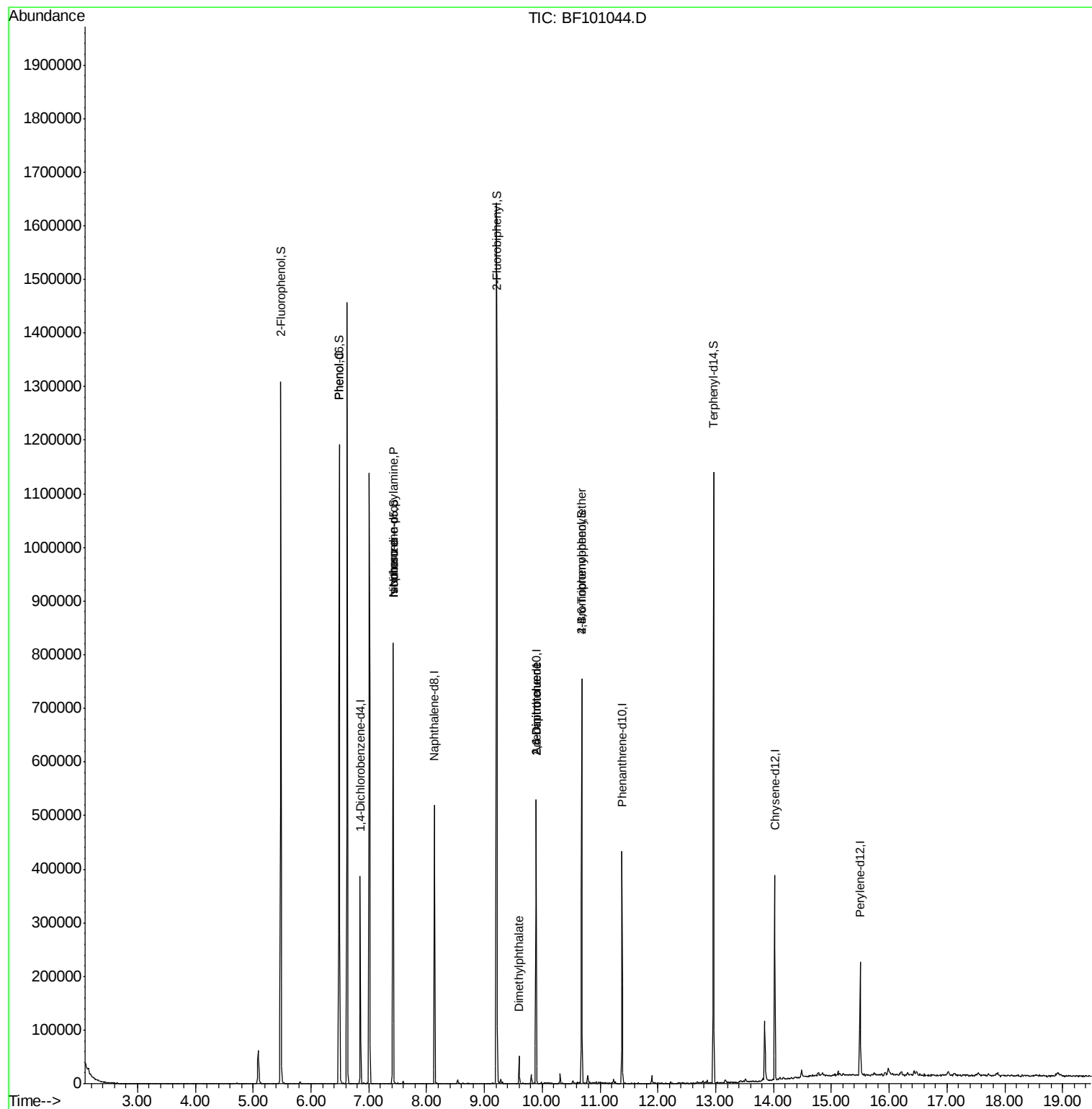
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 59690    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 229464   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.89  | 164  | 94891    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.38 | 188  | 145907   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.02 | 240  | 128659   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.50 | 264  | 96752    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.48  | 112  | 358813   | 99.33  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.49  | 99   | 429654   | 97.97  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 254158   | 66.07  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 91117    | 79.93  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.21  | 172  | 530145   | 76.44  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.96 | 244  | 379264   | 64.48  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.50  | 94   | 16931    | 3.472  | ng    | 78       |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 33834    | 11.455 | ng    | # 79     |
| 25) Isophorone                 | 7.42  | 82   | 254158   | 38.682 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.60  | 163  | 22659    | 2.961  | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.89  | 165  | 11831    | 7.340  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 11831    | 5.477  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.68 | 248  | 5717     | 3.501  | ng    | # 1      |

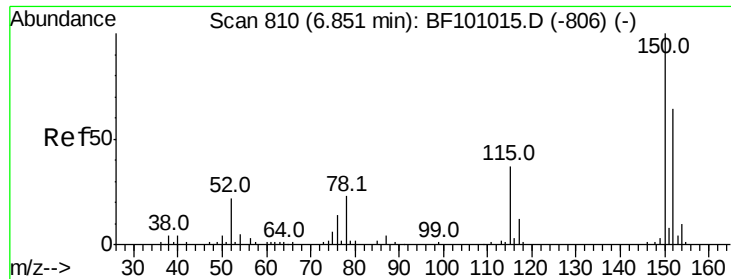
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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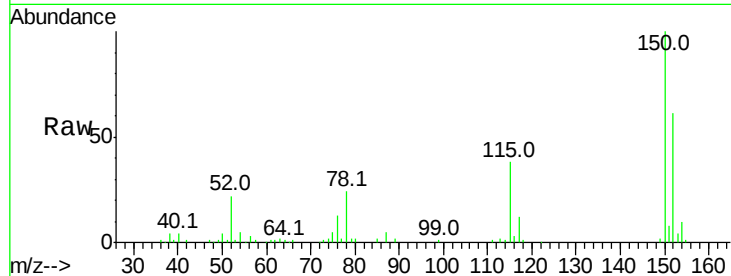


#1

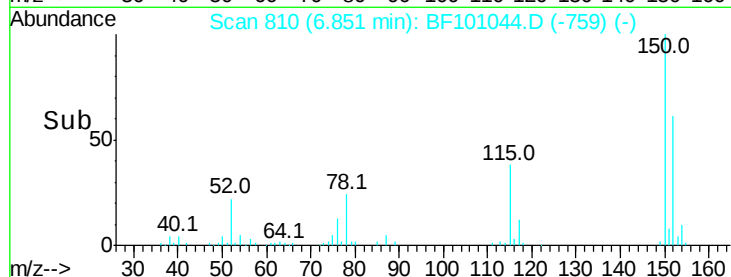
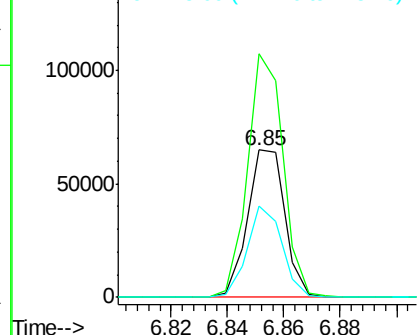
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. 0.00 min  
Lab File: BF101044.D  
Acq: 1 Dec 2017 3:20

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 59690  
Ion Ratio Lower Upper  
152 100  
150 165.2 124.6 186.8  
115 62.3 50.1 75.1



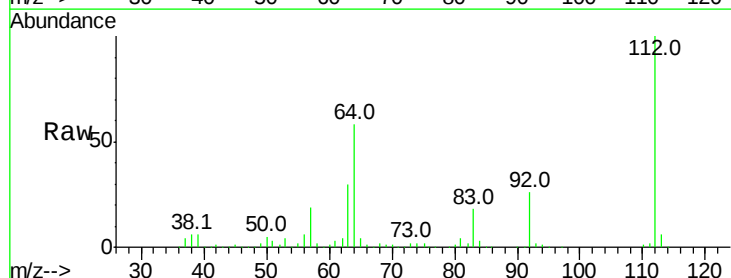
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



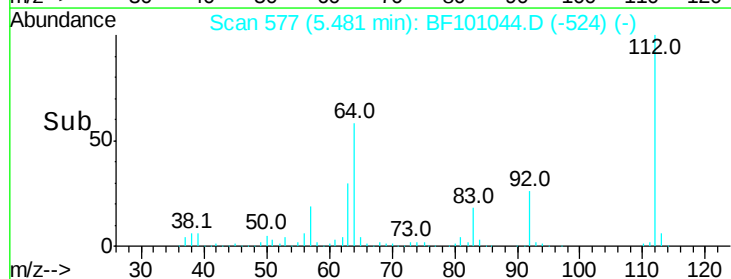
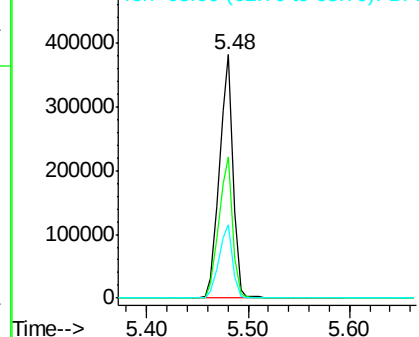
#5

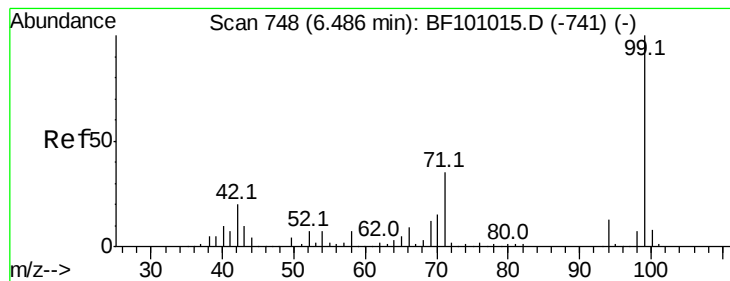
2-Fluorophenol  
Concen: 99.333 ng  
RT: 5.48 min Scan# 577  
Delta R.T. 0.01 min  
Lab File: BF101044.D  
Acq: 1 Dec 2017 3:20

Tgt Ion:112 Resp: 358813  
Ion Ratio Lower Upper  
112 100  
64 58.1 47.9 71.9  
63 29.9 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: 97.969 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF101044.D

Acq: 1 Dec 2017 3:20

Instrument :

BNA\_F

ClientSampled :

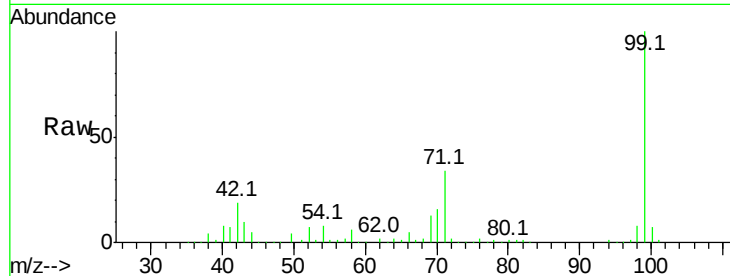
Tot Ion: 99 Resp: 429654

Ion Ratio Lower Upper

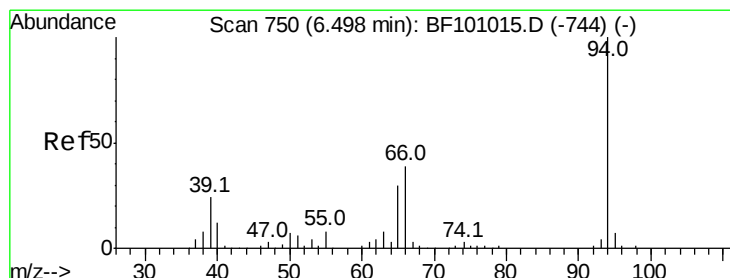
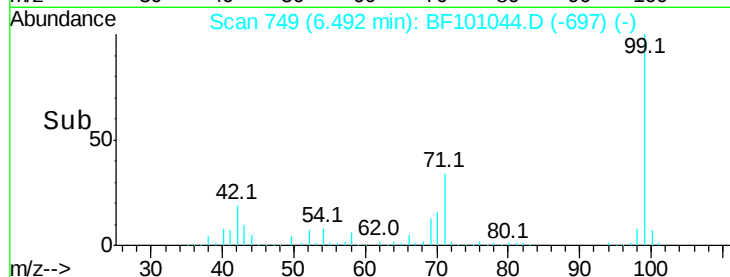
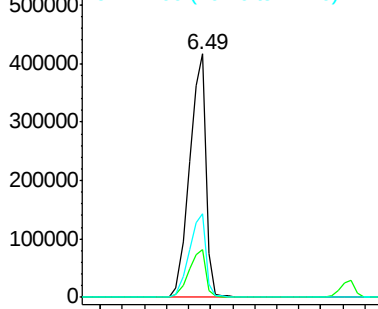
99 100

42 19.4 14.5 21.7

71 34.4 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



#10

Phenol

Concen: 3.472 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF101044.D

Acq: 1 Dec 2017 3:20

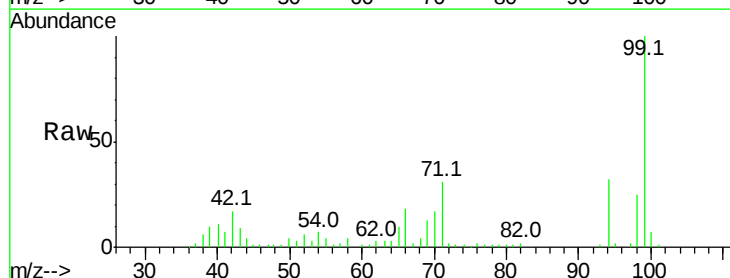
Tgt Ion: 94 Resp: 16931

Ion Ratio Lower Upper

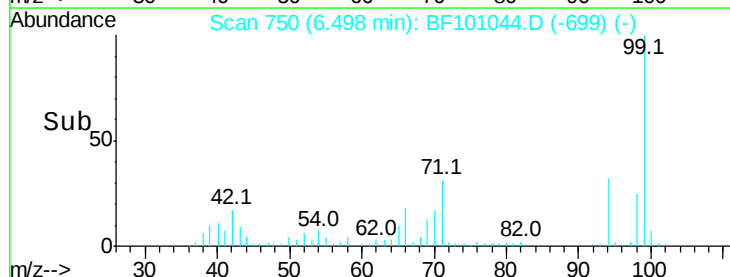
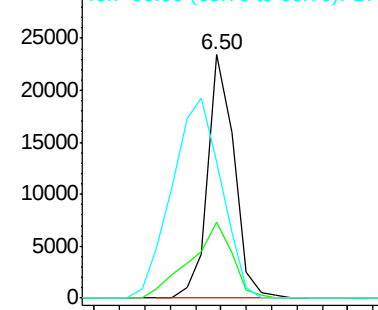
94 100

65 31.4 7.9 47.9

66 55.9 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.455 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF101044.D

Acq: 1 Dec 2017 3:20

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 33834

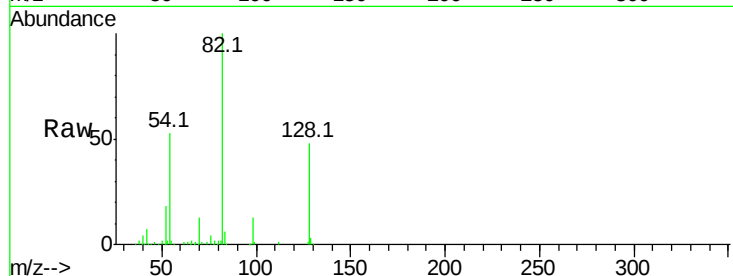
Ion Ratio Lower Upper

70 100

42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

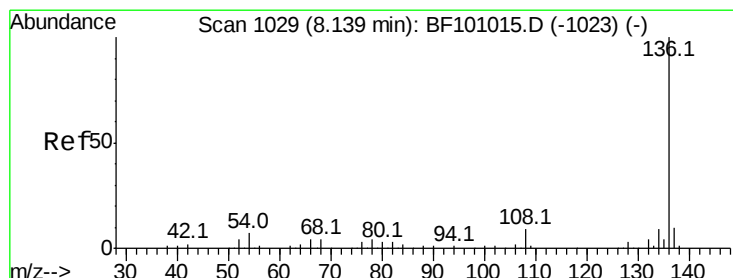
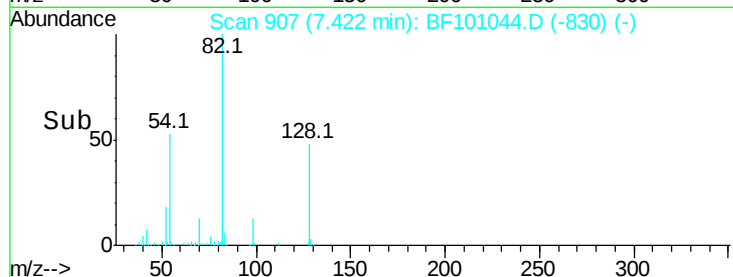
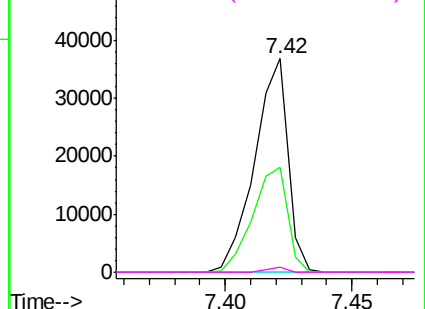


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF101044.D

Acq: 1 Dec 2017 3:20

Tgt Ion:136 Resp: 229464

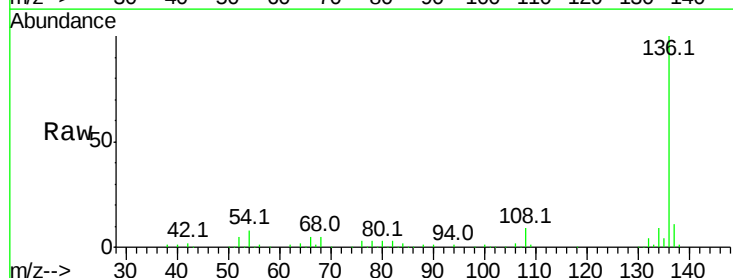
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.2 6.6 9.8

68 4.7 5.0 7.4#

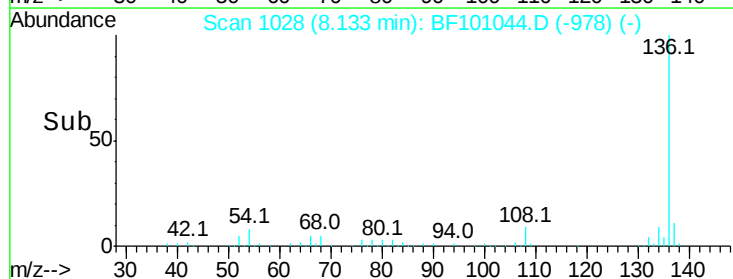
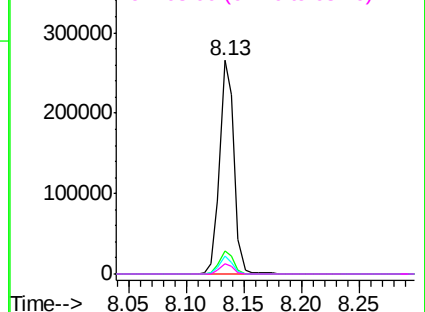


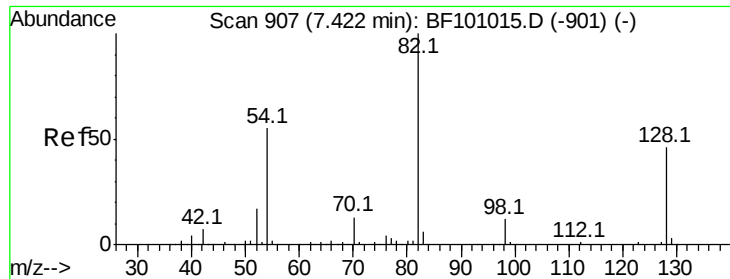
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

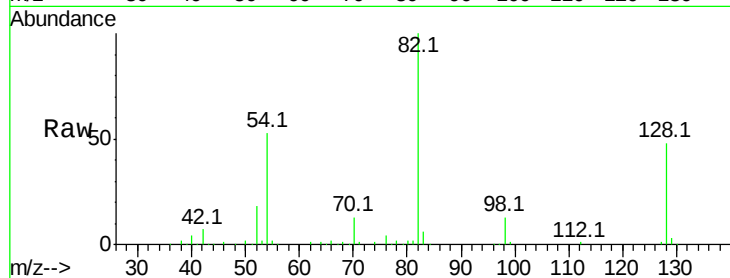




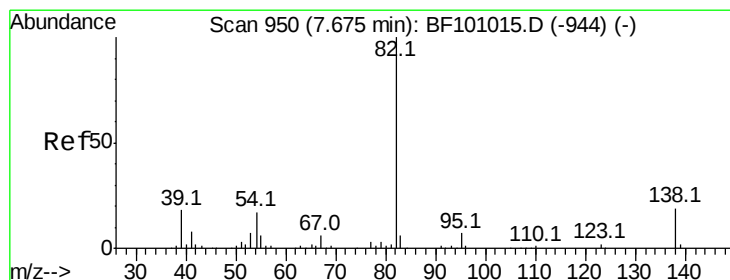
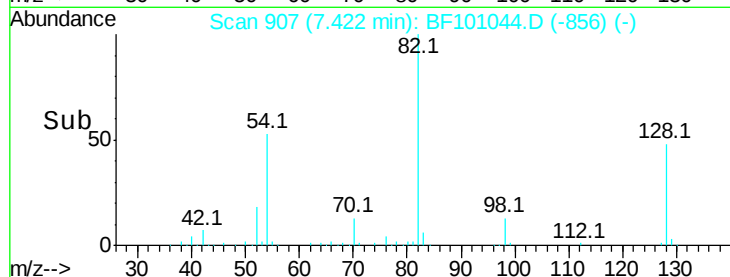
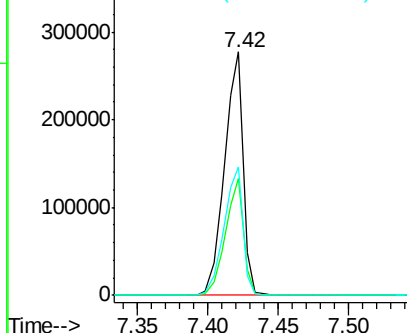
#23  
 Nitrobenzene-d5  
 Concen: 66.073 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. 0.00 min  
 Lab File: BF101044.D  
 Acq: 1 Dec 2017 3:20

Instrument :  
 BNA\_F  
 ClientSampleID :

| Tot Ion   | 82   | Resp  | 254158 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 48.2 | 36.1  | 54.1   |
| 54        | 52.9 | 41.4  | 62.2   |

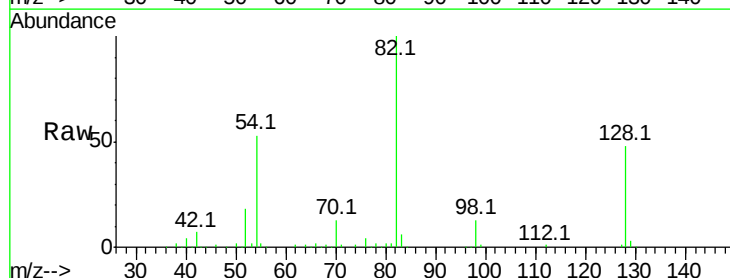


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

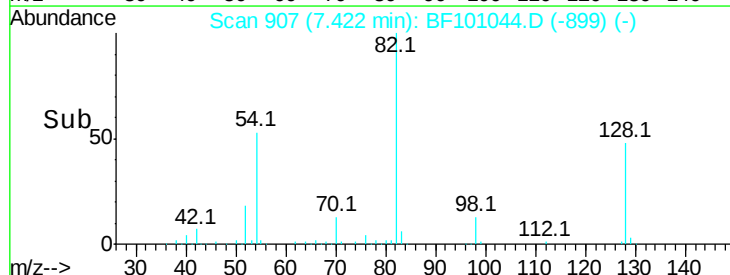
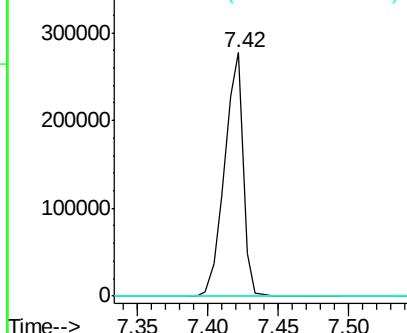


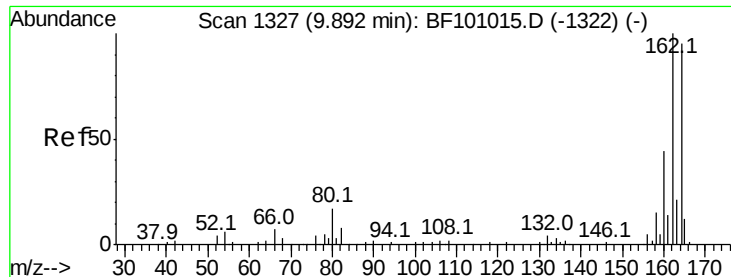
#25  
 Isophorone  
 Concen: 38.682 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.25 min  
 Lab File: BF101044.D  
 Acq: 1 Dec 2017 3:20

| Tgt Ion   | 82  | Resp  | 254158 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 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

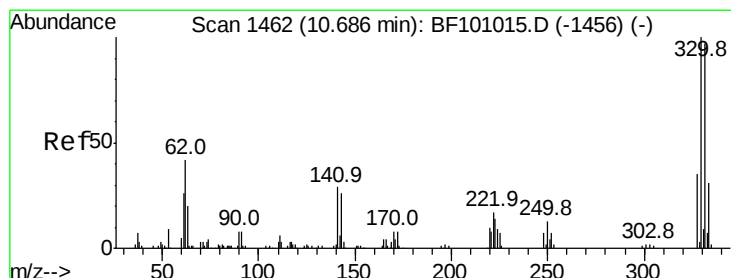
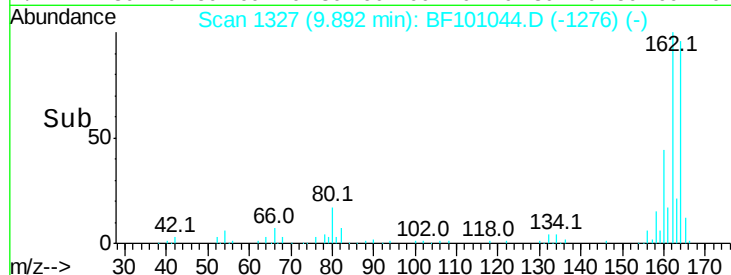
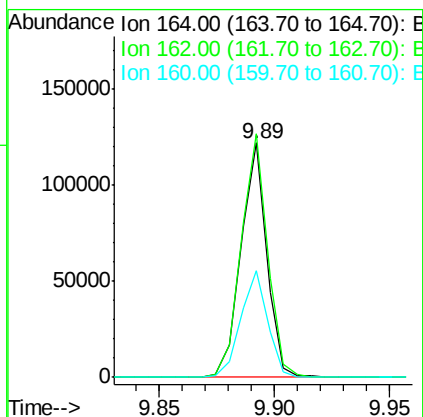
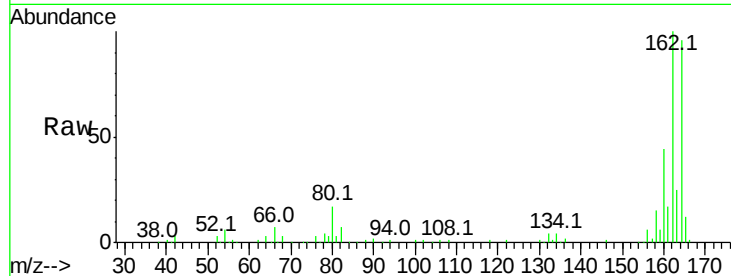




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. 0.00 min  
Lab File: BF101044.D  
Acq: 1 Dec 2017 3:20

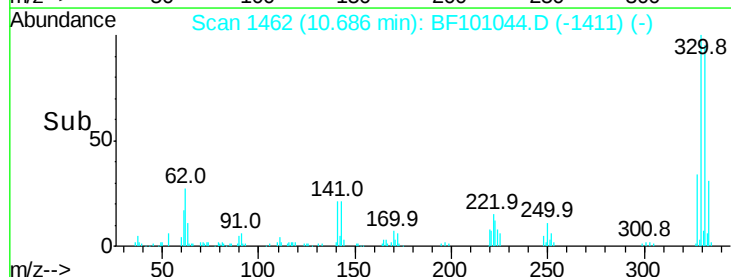
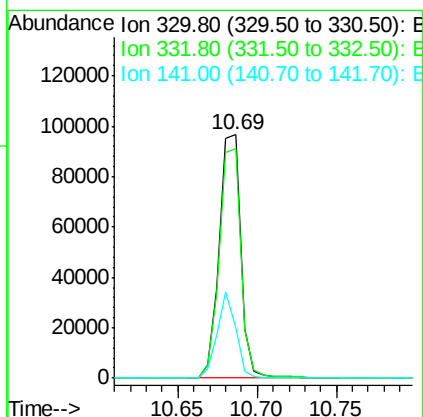
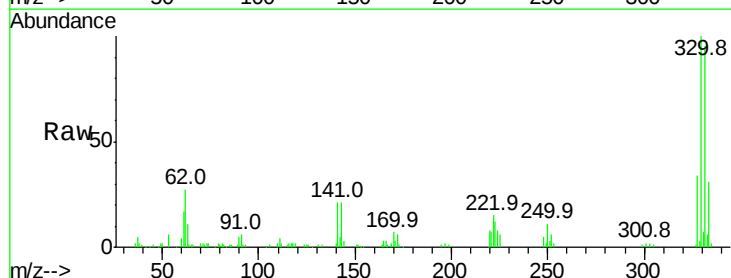
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 94891  
Ion Ratio Lower Upper  
164 100  
162 103.8 86.1 129.1  
160 45.6 38.3 57.5



#41  
2,4,6-Tribromophenol  
Concen: 79.933 ng  
RT: 10.69 min Scan# 1462  
Delta R.T. 0.00 min  
Lab File: BF101044.D  
Acq: 1 Dec 2017 3:20

Tgt Ion:330 Resp: 91117  
Ion Ratio Lower Upper  
330 100  
332 94.9 77.0 115.6  
141 30.4 29.9 44.9

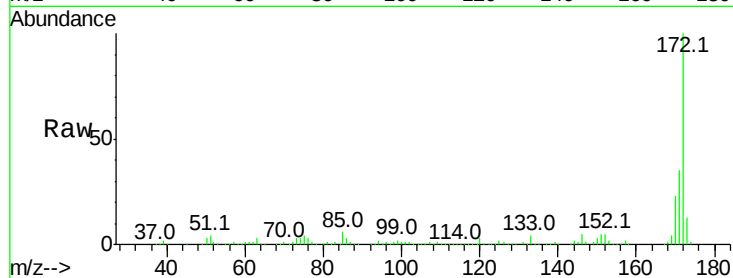




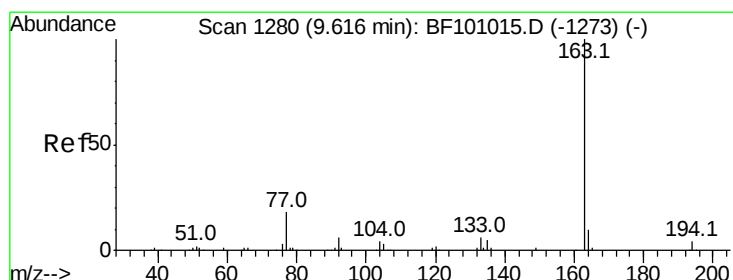
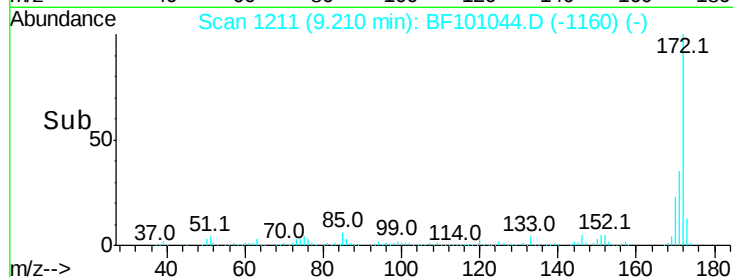
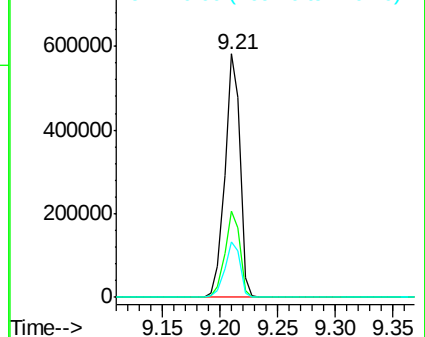
#44  
2-Fluorobiphenyl  
Concen: 76.440 ng  
RT: 9.21 min Scan# 1211  
Delta R.T. 0.00 min  
Lab File: BF101044.D  
Acq: 1 Dec 2017 3:20

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 530145  
Ion Ratio Lower Upper  
172 100  
171 35.5 29.7 44.5  
170 22.9 19.6 29.4

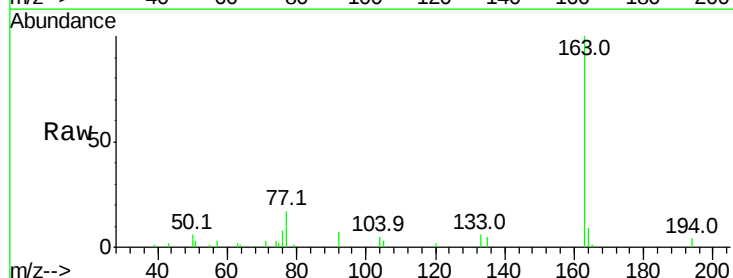


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

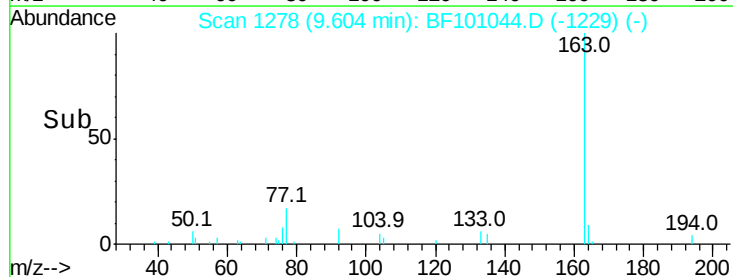
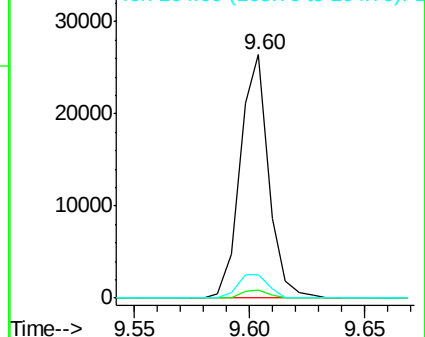


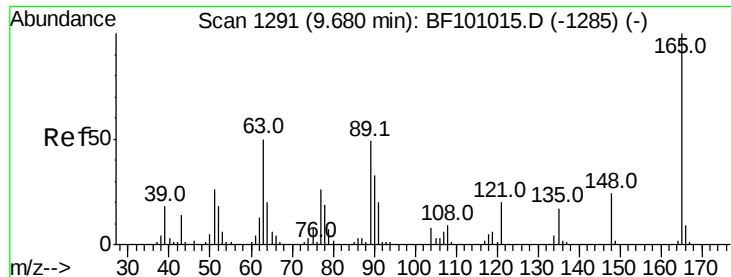
#49  
Dimethylphthalate  
Concen: 2.961 ng  
RT: 9.60 min Scan# 1278  
Delta R.T. -0.01 min  
Lab File: BF101044.D  
Acq: 1 Dec 2017 3:20

Tgt Ion:163 Resp: 22659  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.7 4.1  
164 9.5 8.2 12.2



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

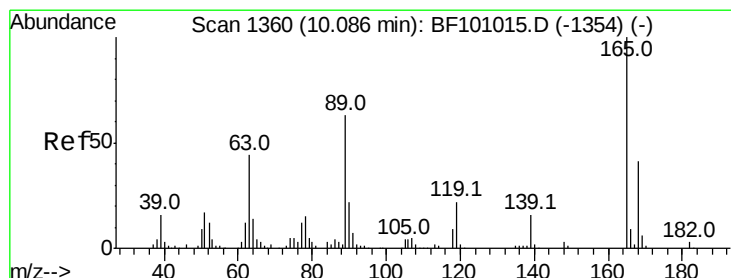
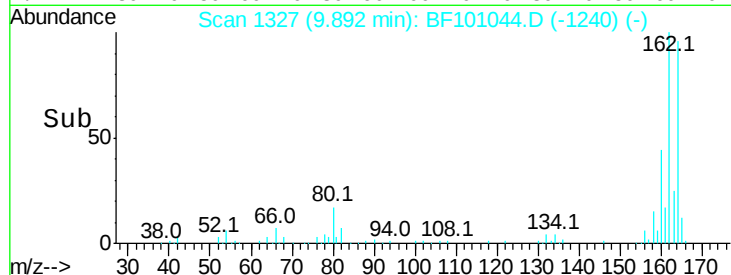
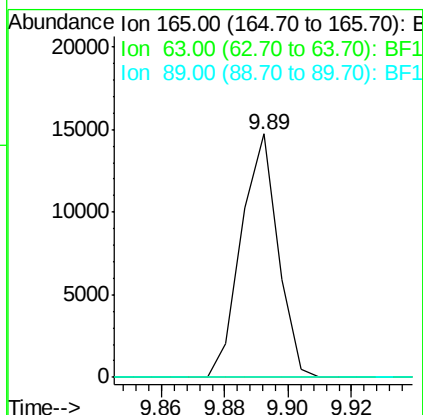
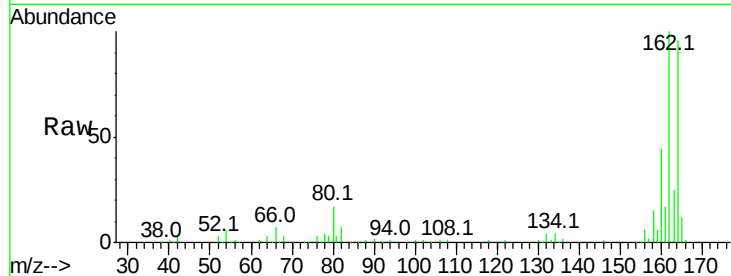




#50  
 2,6-Dinitrotoluene  
 Concen: 7.340 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. 0.21 min  
 Lab File: BF101044.D  
 Acq: 1 Dec 2017 3:20

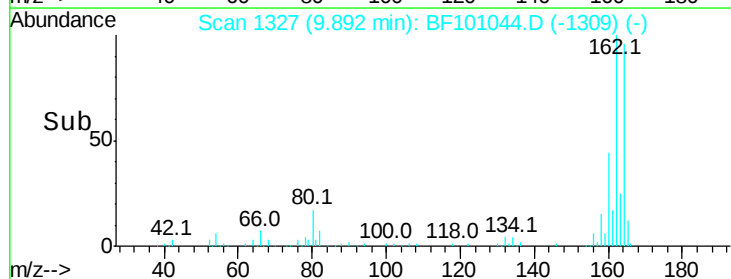
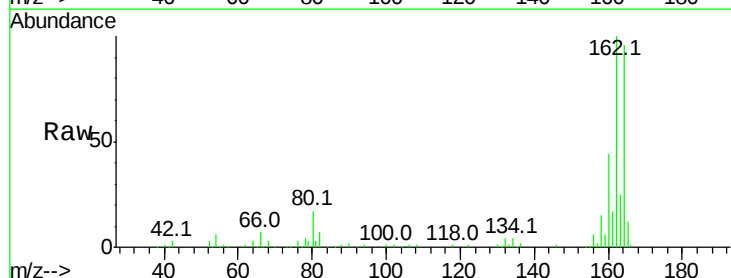
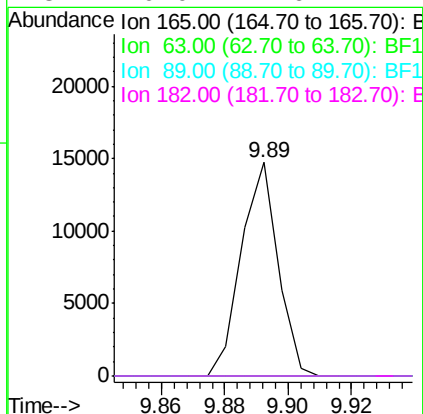
Instrument :  
 BNA\_F  
 ClientSampleId :

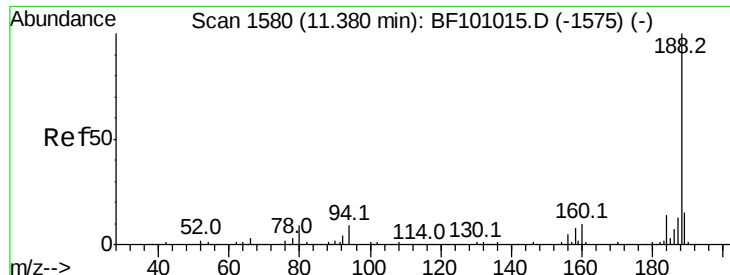
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 44.7  | 67.1# |
| 89      | 0.0   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 5.477 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.19 min  
 Lab File: BF101044.D  
 Acq: 1 Dec 2017 3:20

| Tgt 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#  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF101044.D

Acq: 1 Dec 2017 3:20

Instrument :

BNA\_F

ClientSampleId :

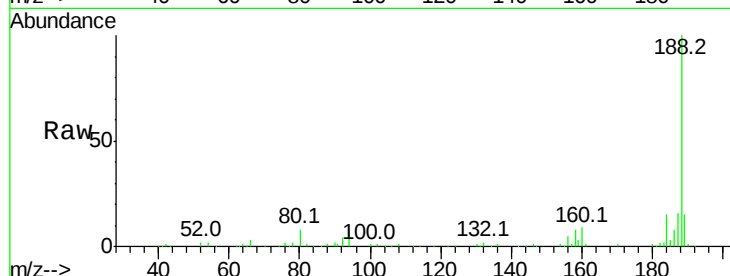
Tot Ion:188 Resp: 145907

Ion Ratio Lower Upper

188 100

94 7.7 8.5 12.7#

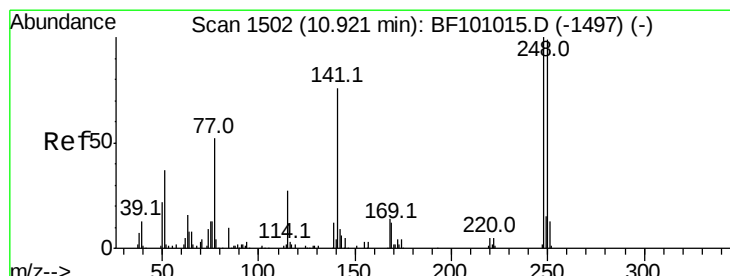
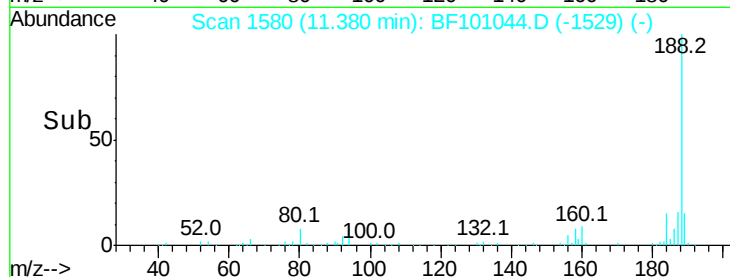
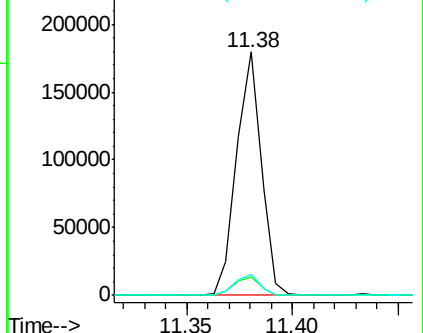
80 8.5 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

4-Bromophenyl-phenylether

Concen: 3.501 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.24 min

Lab File: BF101044.D

Acq: 1 Dec 2017 3:20

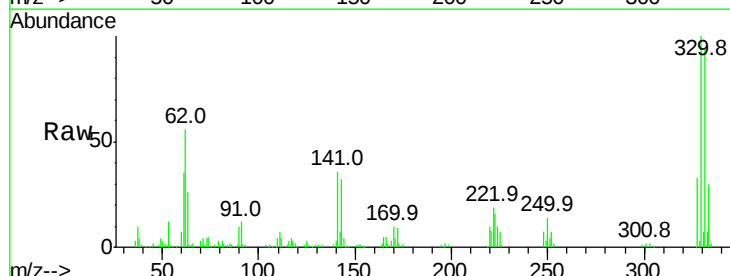
Tgt Ion:248 Resp: 5717

Ion Ratio Lower Upper

248 100

250 200.8 76.9 115.3#

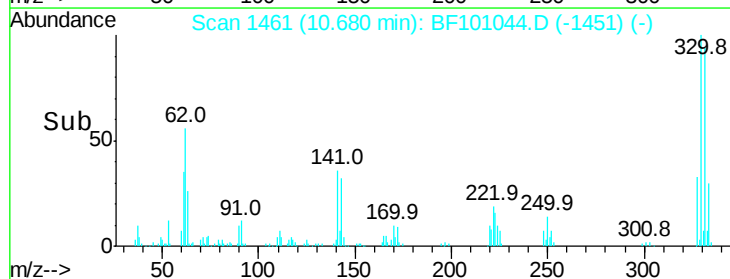
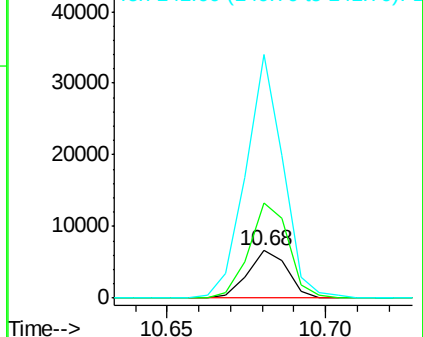
141 512.4 74.4 111.6#

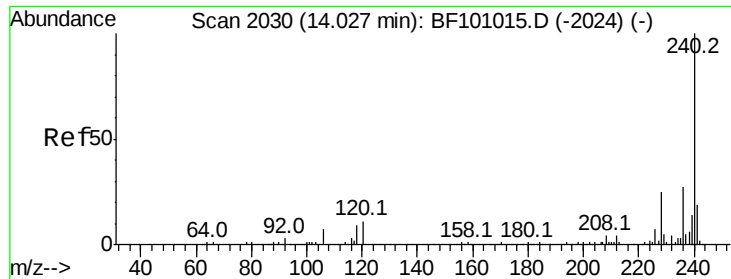


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

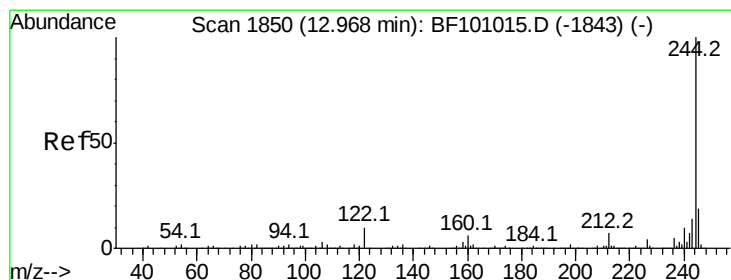
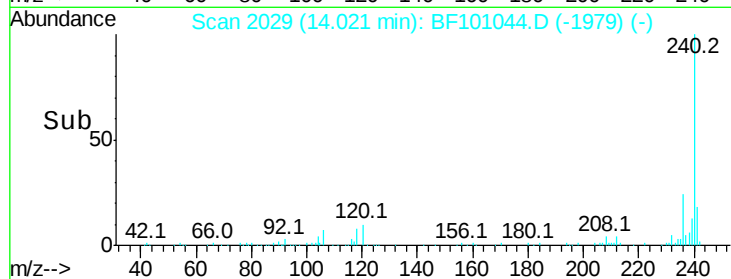
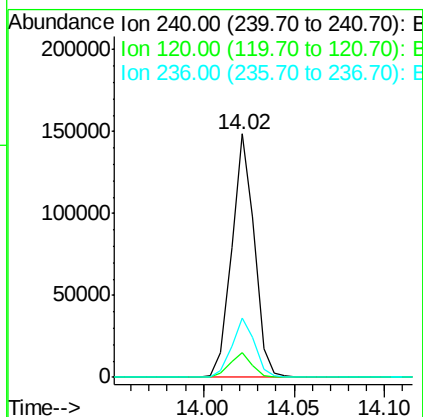
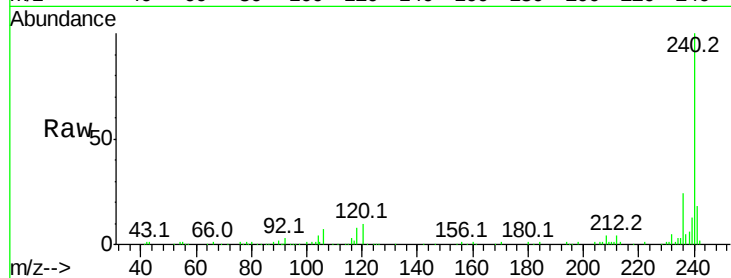




#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. -0.01 min  
 Lab File: BF101044.D  
 Acq: 1 Dec 2017 3:20

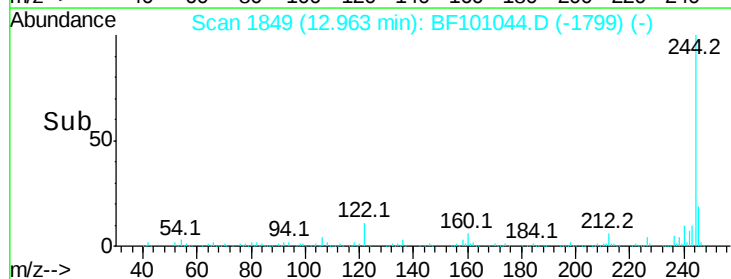
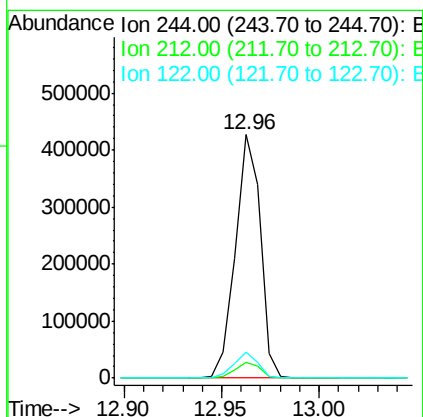
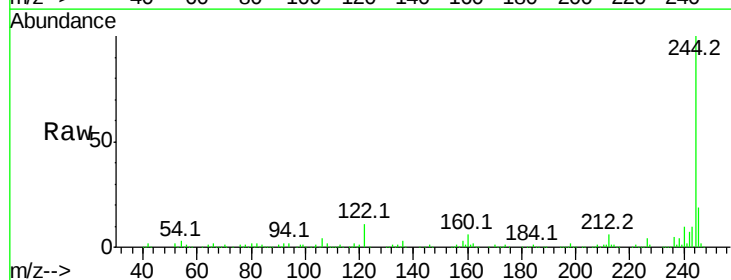
Instrument :  
 BNA\_F  
 ClientSampleId :

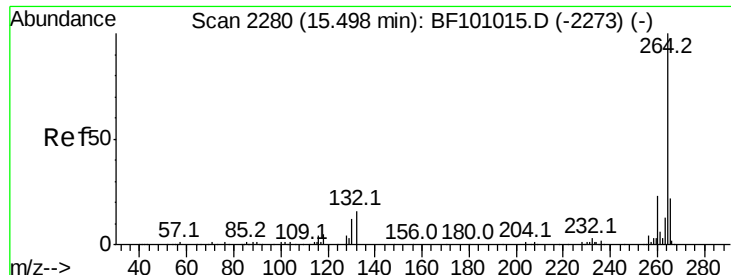
Tot Ion:240 Resp: 128659  
 Ion Ratio Lower Upper  
 240 100  
 120 10.2 9.5 14.3  
 236 24.3 20.7 31.1



#78  
 Terphenyl-d14  
 Concen: 64.477 ng  
 RT: 12.96 min Scan# 1849  
 Delta R.T. -0.01 min  
 Lab File: BF101044.D  
 Acq: 1 Dec 2017 3:20

Tgt Ion:244 Resp: 379264  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.4 8.0  
 122 10.9 11.0 16.4#

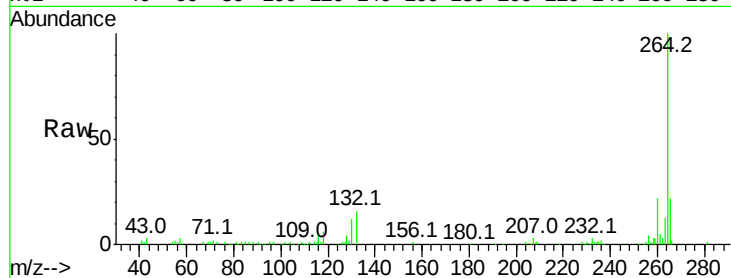




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.50 min Scan# 2280  
Delta R.T. 0.00 min  
Lab File: BF101044.D  
Acq: 1 Dec 2017 3:20

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.0  | 19.2  | 28.8  |
| 265     | 21.6  | 17.5  | 26.3  |



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

