

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF022219\  
 Data File : BF112669.D  
 Acq On : 22 Feb 2019 17:29  
 Operator : JU/SJ  
 Sample : K1570-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 50-50

Quant Time: Feb 22 22:14:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

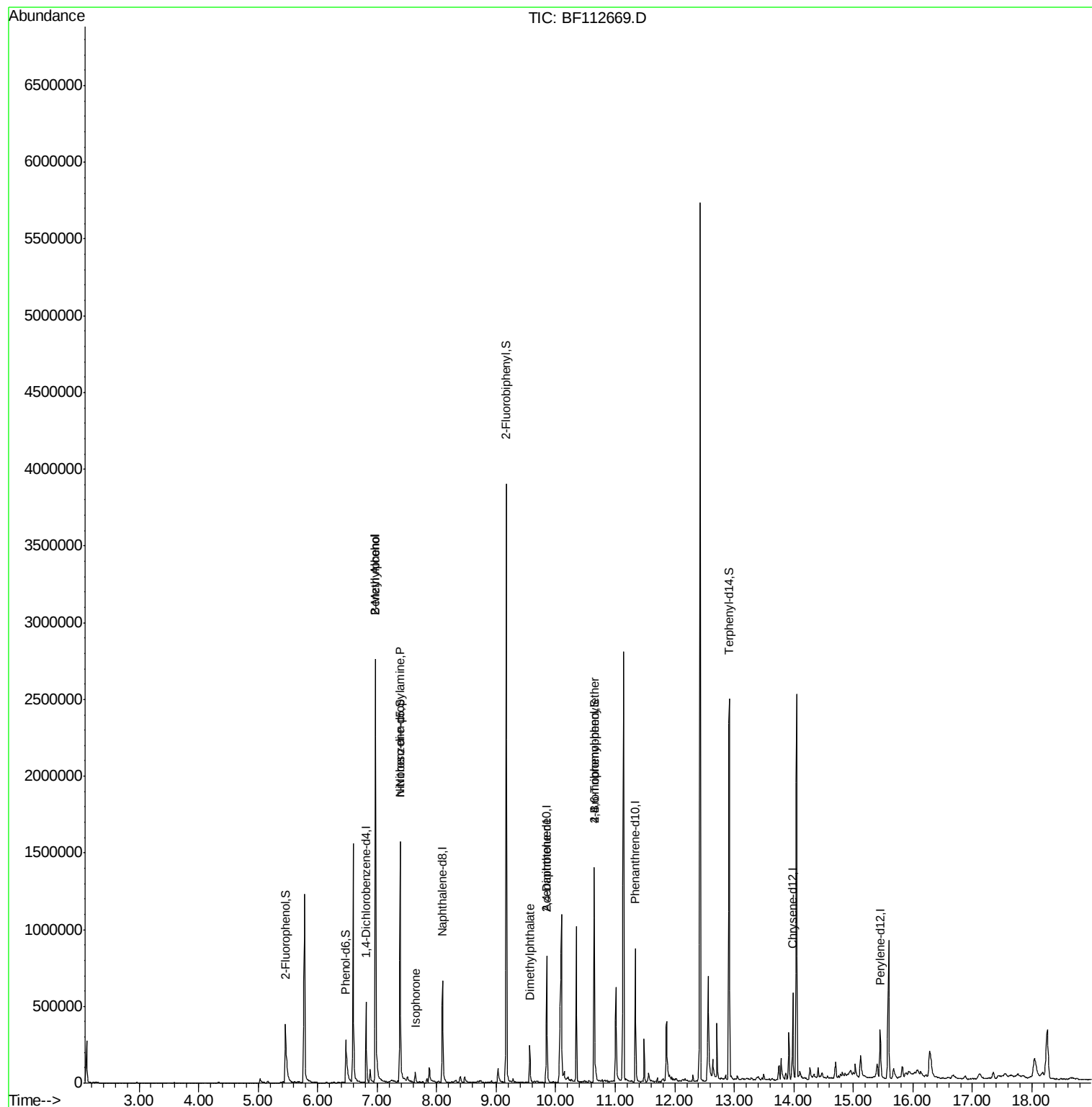
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.82  | 152  | 91142    | 20.00  | ng    | -0.03     |
| 21) Naphthalene-d8             | 8.10  | 136  | 349941   | 20.00  | ng    | -0.03     |
| 39) Acenaphthene-d10           | 9.85  | 164  | 169851   | 20.00  | ng    | -0.04     |
| 64) Phenanthrene-d10           | 11.34 | 188  | 311995   | 20.00  | ng    | -0.03     |
| 76) Chrysene-d12               | 13.98 | 240  | 194011   | 20.00  | ng    | -0.03     |
| 87) Perylene-d12               | 15.45 | 264  | 174985   | 20.00  | ng    | -0.02     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.46  | 112  | 208482   | 48.59  | ng    | -0.02     |
| 7) Phenol-d6                   | 6.47  | 99   | 156931   | 26.32  | ng    | -0.02     |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 608910   | 100.26 | ng    | -0.02     |
| 42) 2,4,6-Tribromophenol       | 10.65 | 330  | 190888   | 96.55  | ng    | -0.04     |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 1160687  | 96.65  | ng    | -0.04     |
| 79) Terphenyl-d14              | 12.92 | 244  | 851071   | 82.62  | ng    | -0.04     |
| Target Compounds               |       |      |          |        |       |           |
| 15) Benzyl Alcohol             | 6.97  | 79   | 180887   | 35.989 | ng    | Qvalue 95 |
| 17) 2-Methylphenol             | 6.97  | 107  | 93649    | 20.466 | ng    | # 1       |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 84849    | 20.638 | ng    | # 75      |
| 25) Isophorone                 | 7.64  | 82   | 30580    | 3.210  | ng    | 97        |
| 50) Dimethylphthalate          | 9.56  | 163  | 96843    | 7.338  | ng    | 99        |
| 57) 2,4-Dinitrotoluene         | 9.85  | 165  | 21163    | 5.625  | ng    | # 33      |
| 67) 4-Bromophenyl-phenylether  | 10.65 | 248  | 11151    | 3.039  | ng    | # 1       |

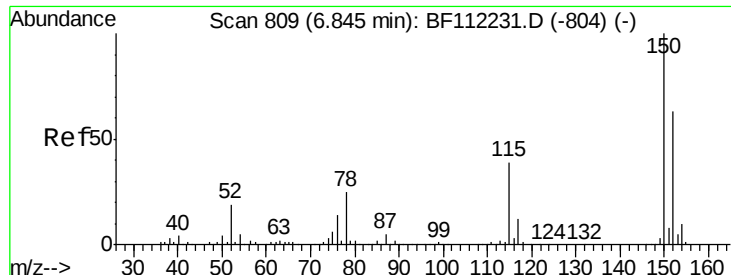
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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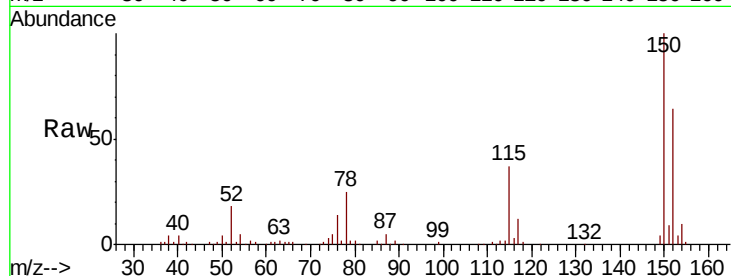


#1

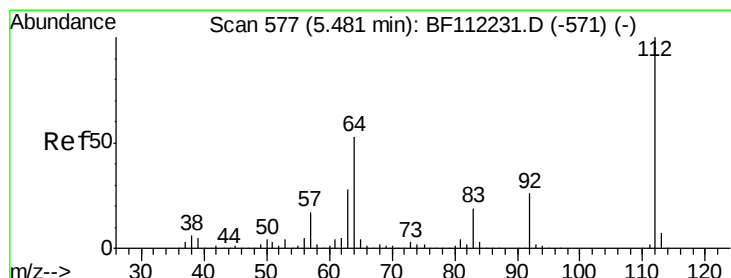
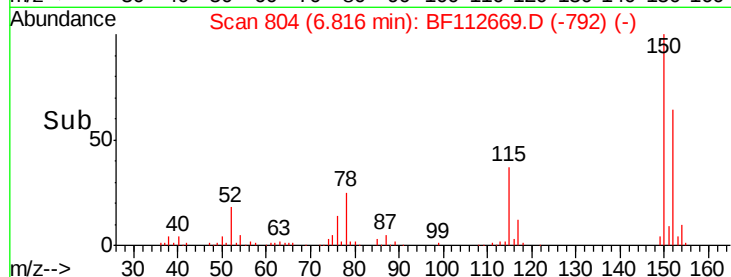
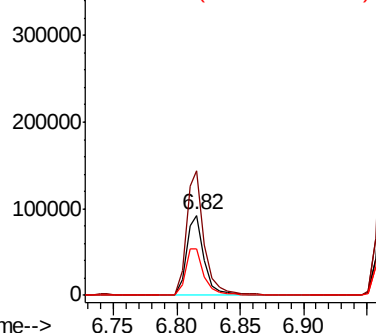
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 804  
Delta R.T. -0.03 min  
Lab File: BF112669.D  
Acq: 22 Feb 2019 17:29

Instrument :  
BNA\_F  
ClientSampleId :  
50-50

Tgt Ion:152 Resp: 91142  
Ion Ratio Lower Upper  
152 100  
150 156.0 127.4 191.0  
115 58.2 45.5 68.3



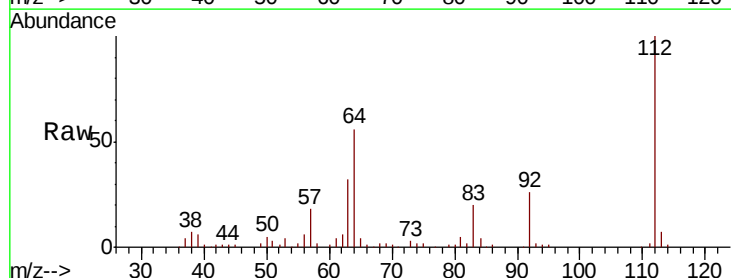
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



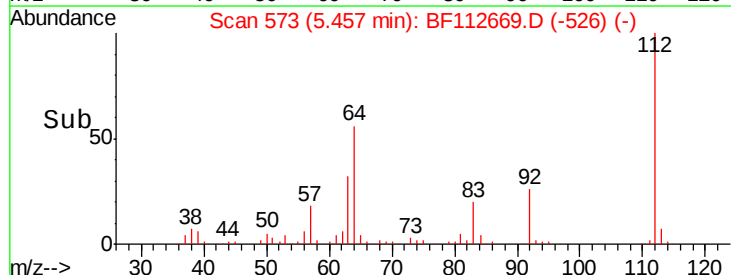
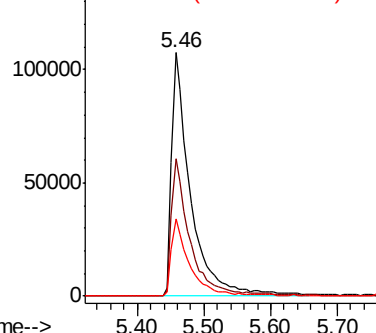
#5

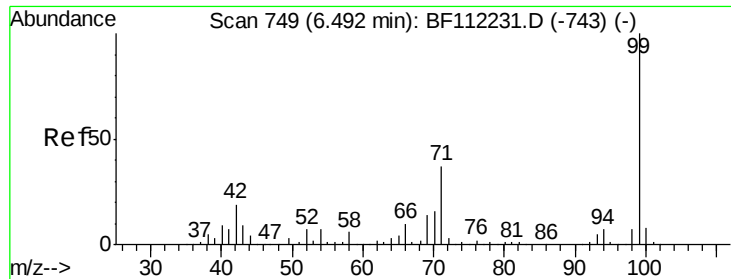
2-Fluorophenol  
Concen: 48.587 ng  
RT: 5.46 min Scan# 573  
Delta R.T. -0.02 min  
Lab File: BF112669.D  
Acq: 22 Feb 2019 17:29

Tgt Ion:112 Resp: 208482  
Ion Ratio Lower Upper  
112 100  
64 56.4 45.7 68.5  
63 31.5 23.6 35.4



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: 26.320 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112669.D

Acq: 22 Feb 2019 17:29

Instrument :

BNA\_F

ClientSampleId :

50-50

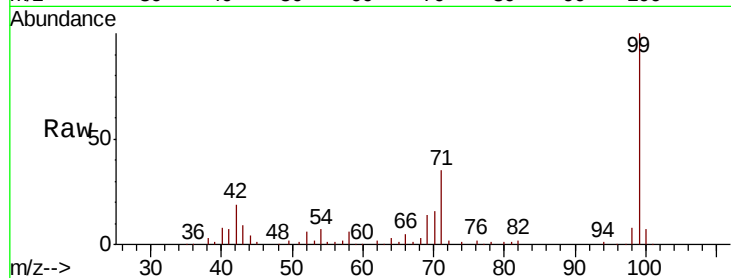
Tgt Ion: 99 Resp: 156931

Ion Ratio Lower Upper

99 100

42 19.0 15.1 22.7

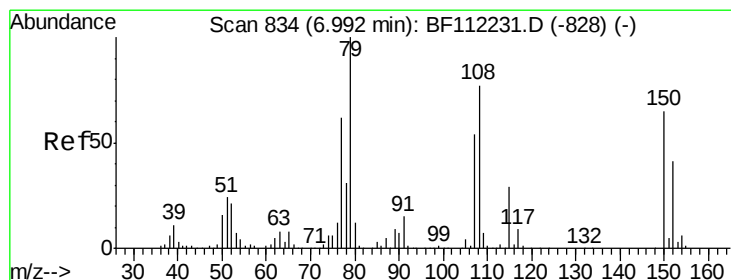
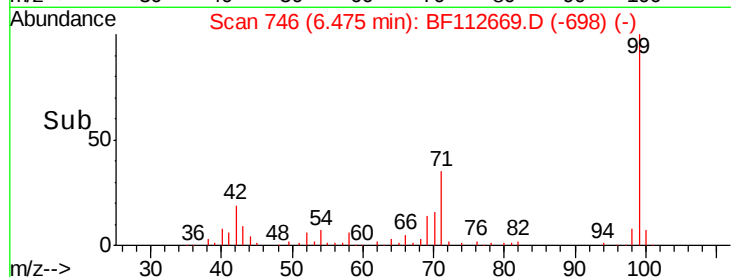
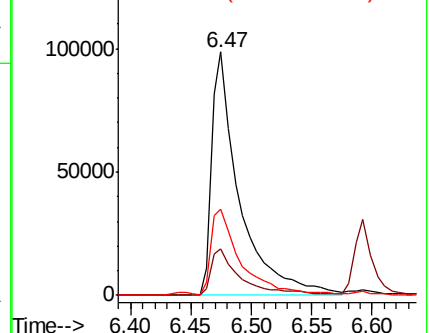
71 35.3 26.9 40.3



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



#15

Benzyl Alcohol

Concen: 35.989 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.02 min

Lab File: BF112669.D

Acq: 22 Feb 2019 17:29

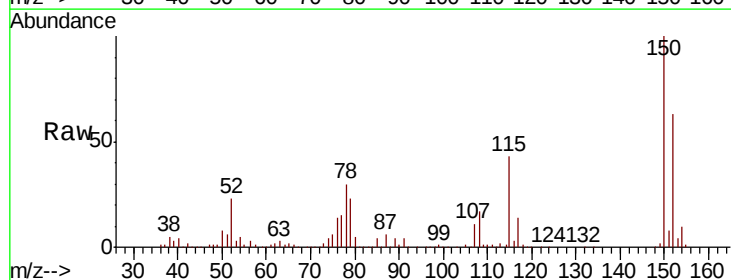
Tgt Ion: 79 Resp: 180887

Ion Ratio Lower Upper

79 100

108 75.4 64.2 96.2

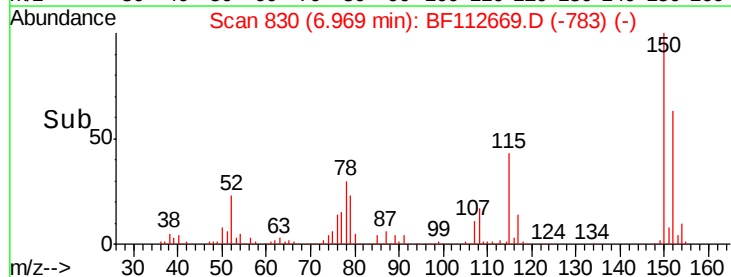
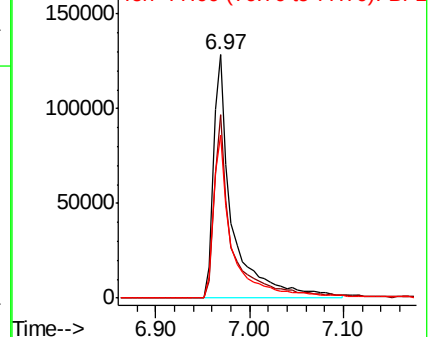
77 66.8 50.3 75.5

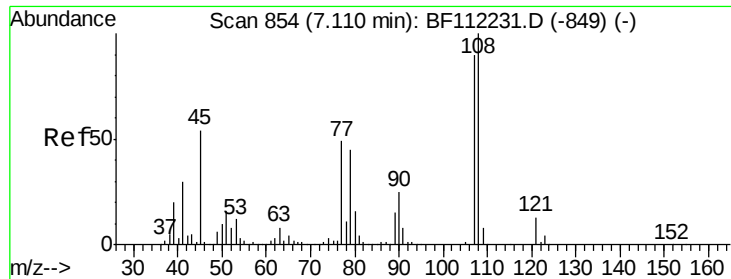


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

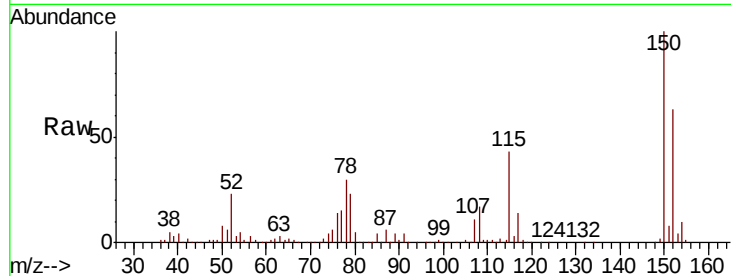




#17  
2-Methylphenol  
Concen: 20.466 ng  
RT: 6.97 min Scan# 830  
Delta R.T. -0.14 min  
Lab File: BF112669.D  
Acq: 22 Feb 2019 17:29

Instrument :  
BNA\_F  
ClientSampleId :  
50-50

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 151.8 | 91.3  | 136.9# |
| 77      | 134.5 | 39.0  | 58.6#  |
| 79      | 201.2 | 37.0  | 55.4#  |



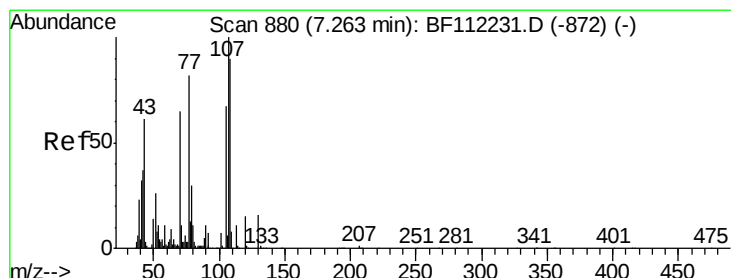
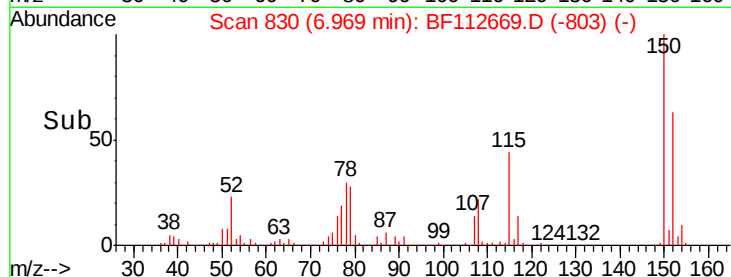
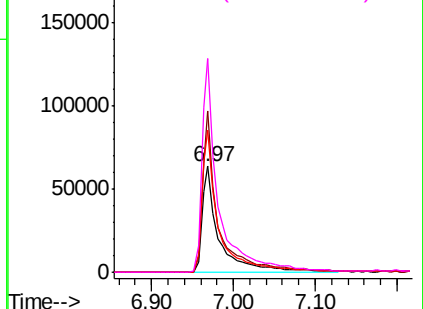
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

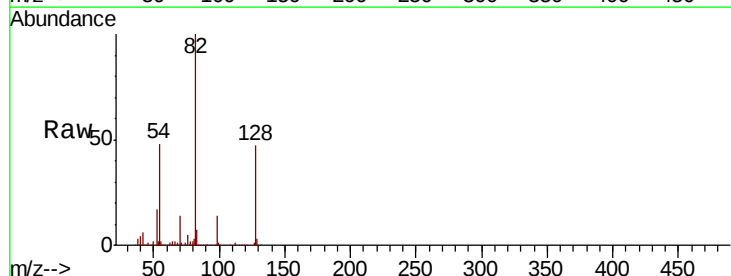
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.638 ng  
RT: 7.39 min Scan# 901  
Delta R.T. 0.12 min  
Lab File: BF112669.D  
Acq: 22 Feb 2019 17:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 46.3  | 47.6  | 71.4# |
| 101     | 0.0   | 7.9   | 11.9# |
| 130     | 2.2   | 18.4  | 27.6# |



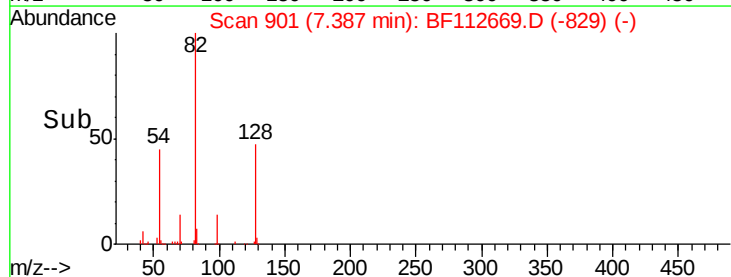
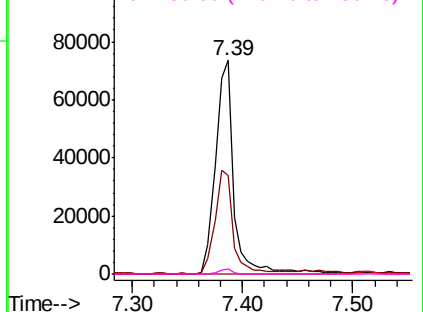
Abundance

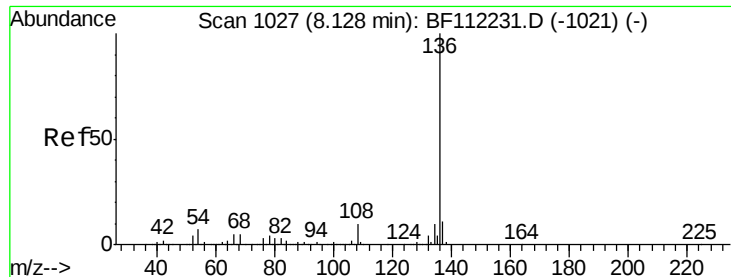
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

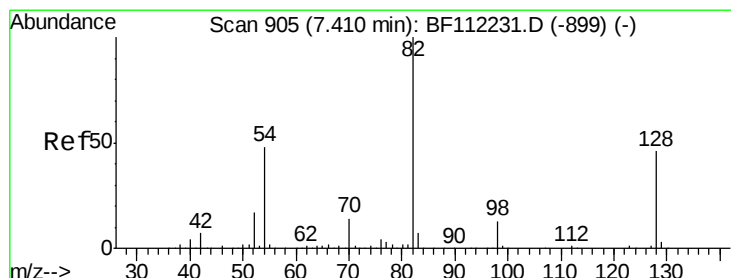
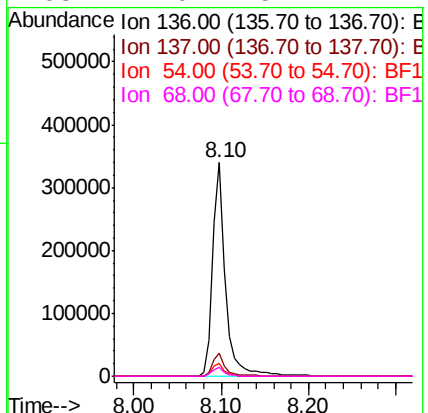
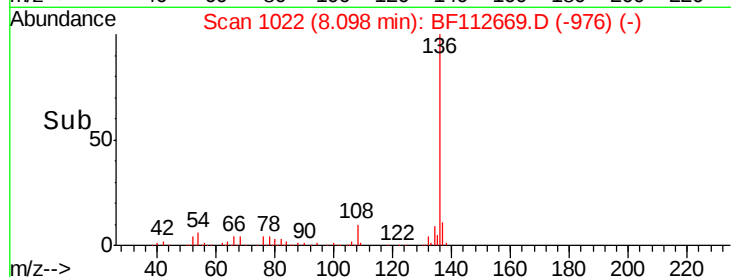
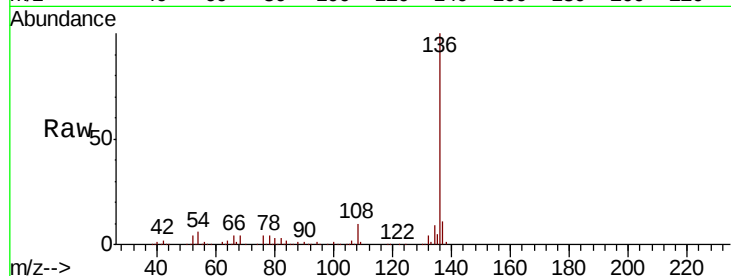




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. -0.03 min  
Lab File: BF112669.D  
Acq: 22 Feb 2019 17:29

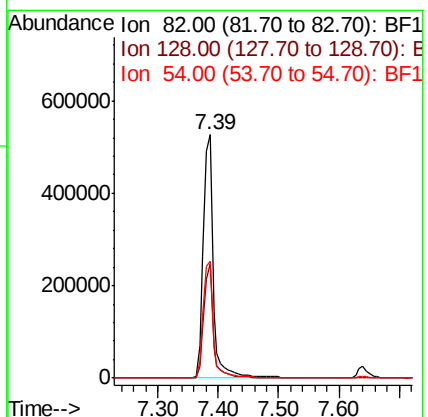
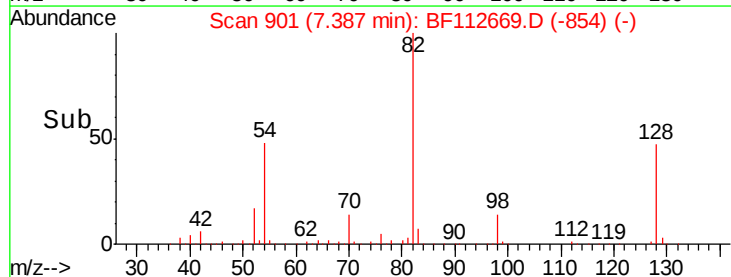
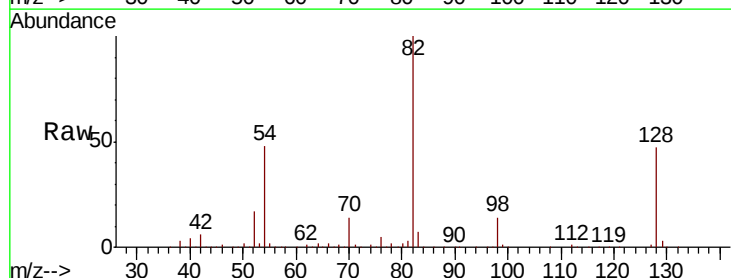
Instrument :  
BNA\_F  
ClientSampled :  
50-50

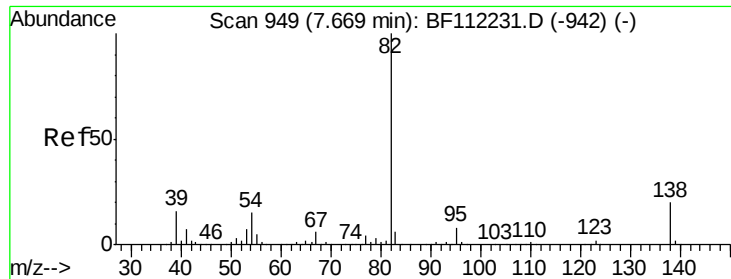
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 349941 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 9.1   | 13.7   |
| 54       | 5.7   | 5.9   | 8.9#   |
| 68       | 4.0   | 5.1   | 7.7#   |



#23  
Nitrobenzene-d5  
Concen: 100.261 ng  
RT: 7.39 min Scan# 901  
Delta R.T. -0.02 min  
Lab File: BF112669.D  
Acq: 22 Feb 2019 17:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 608910 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.2  | 37.8  | 56.8   |
| 54       | 47.8  | 39.7  | 59.5   |





#25

Isophorone

Concen: 3.210 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF112669.D

Acq: 22 Feb 2019 17:29

Instrument :

BNA\_F

ClientSampleId :

50-50

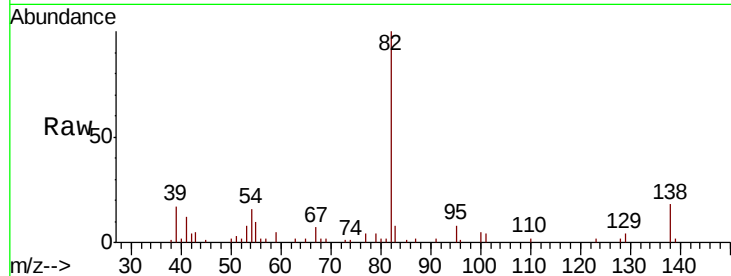
Tgt Ion: 82 Resp: 30580

Ion Ratio Lower Upper

82 100

95 8.0 5.7 8.5

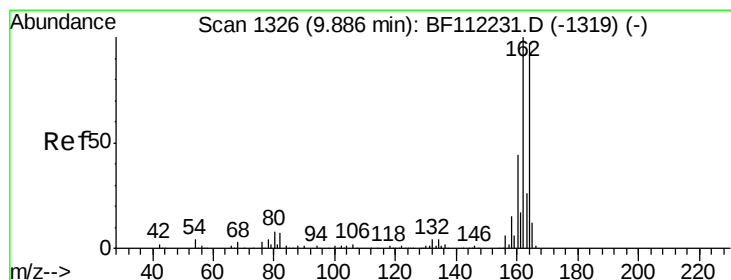
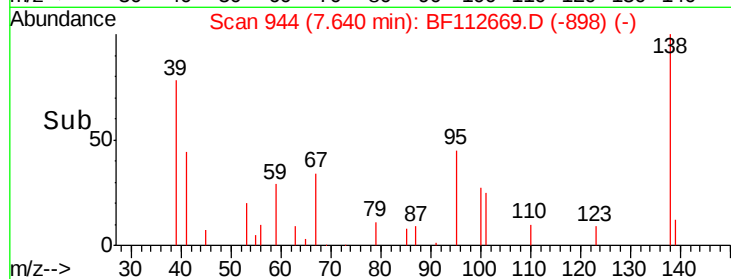
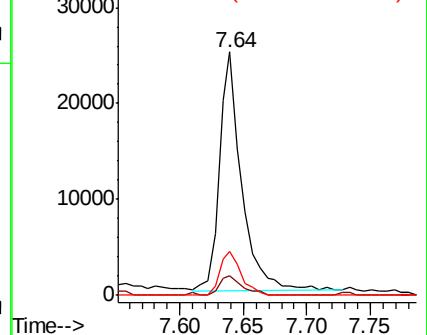
138 17.8 15.4 23.0



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.04 min

Lab File: BF112669.D

Acq: 22 Feb 2019 17:29

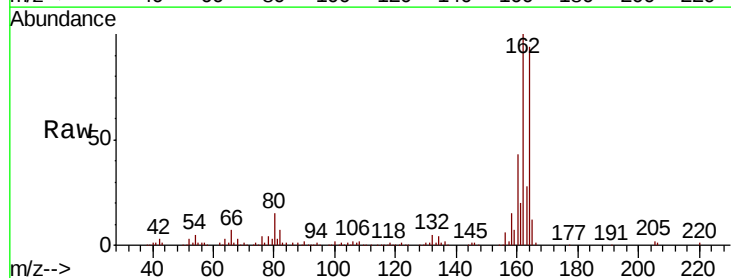
Tgt Ion: 164 Resp: 169851

Ion Ratio Lower Upper

164 100

162 106.5 82.2 123.4

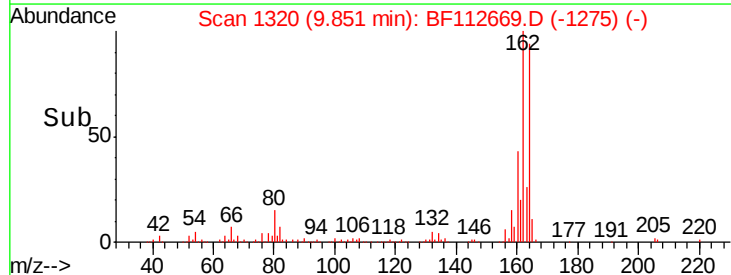
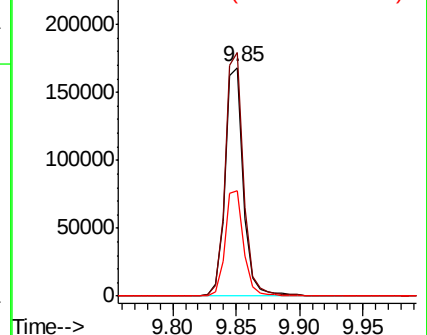
160 46.1 36.2 54.4

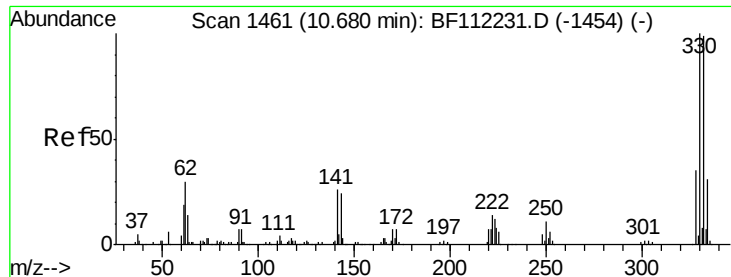


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

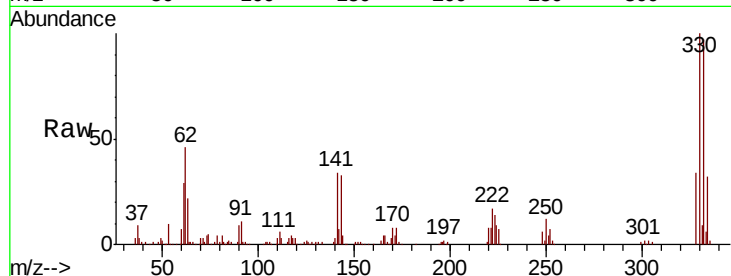




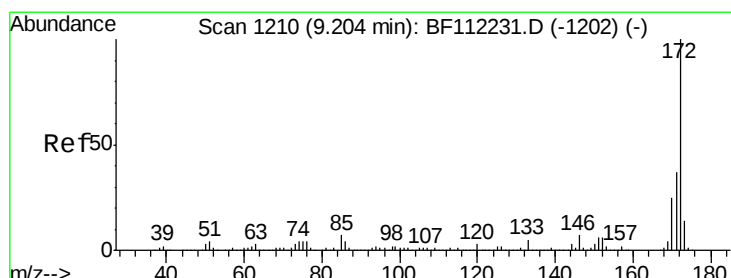
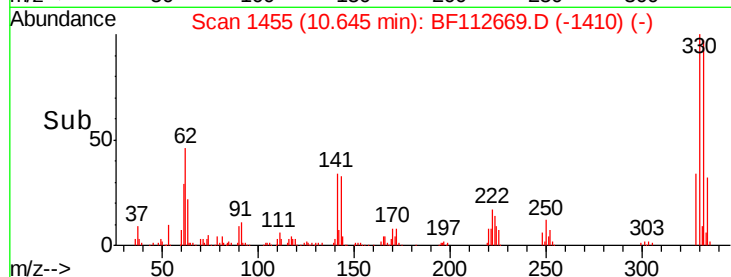
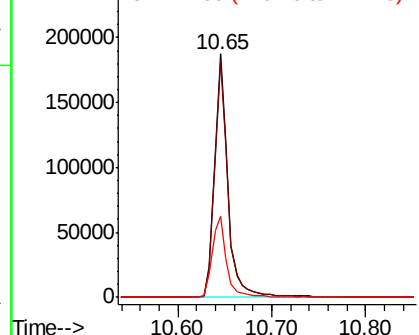
#42  
 2,4,6-Tribromophenol  
 Concen: 96.553 ng  
 RT: 10.65 min Scan# 1455  
 Delta R.T. -0.04 min  
 Lab File: BF112669.D  
 Acq: 22 Feb 2019 17:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 50-50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 76.6  | 114.8 |
| 141     | 35.4  | 24.3  | 36.5  |

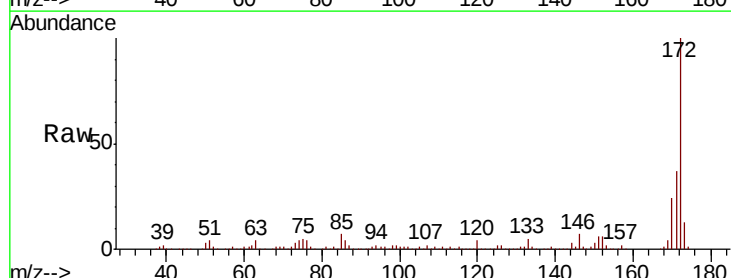


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

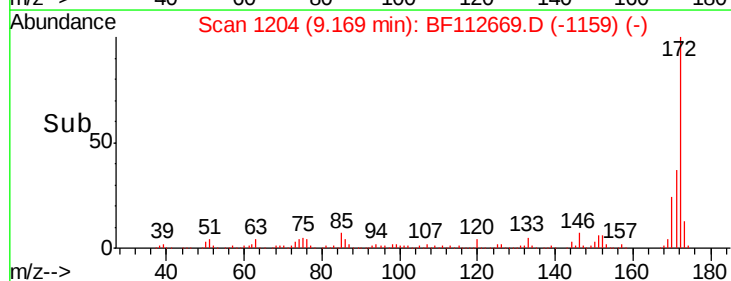
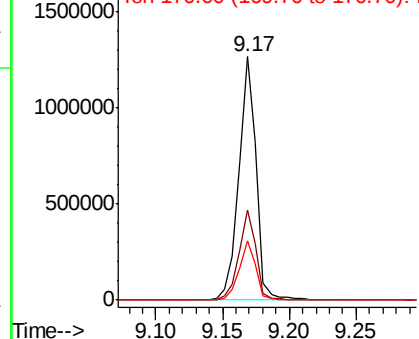


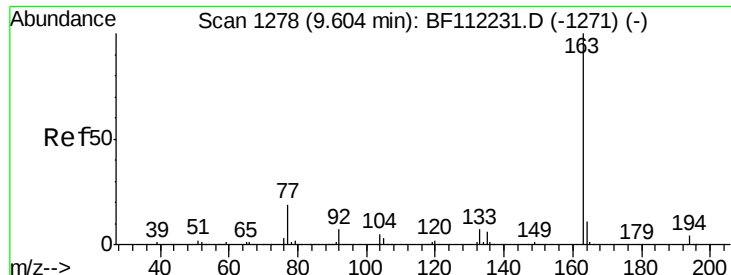
#45  
 2-Fluorobiphenyl  
 Concen: 96.650 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.04 min  
 Lab File: BF112669.D  
 Acq: 22 Feb 2019 17:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 30.5  | 45.7  |
| 170     | 24.4  | 20.2  | 30.4  |



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

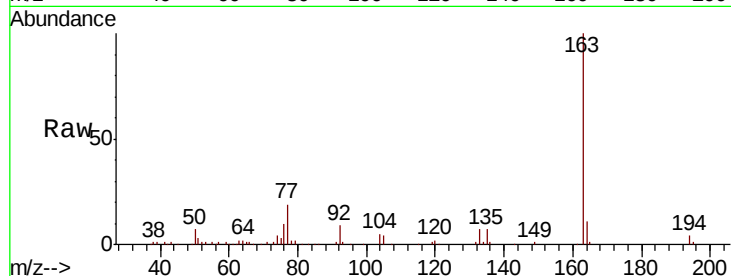




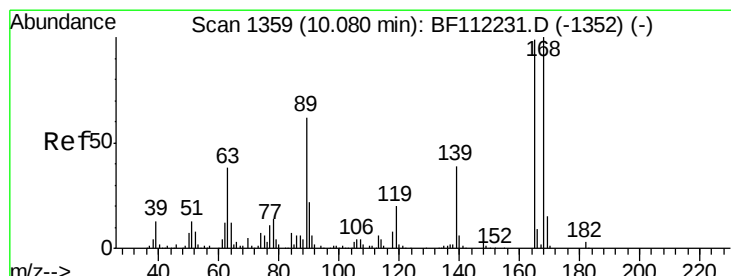
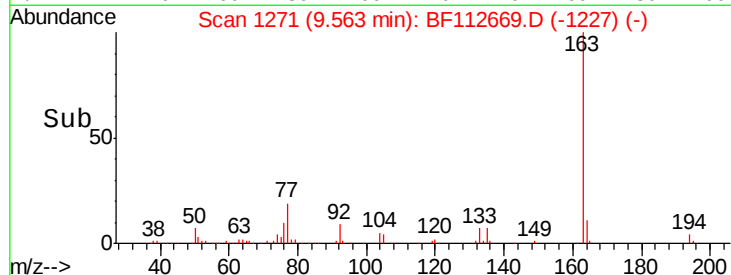
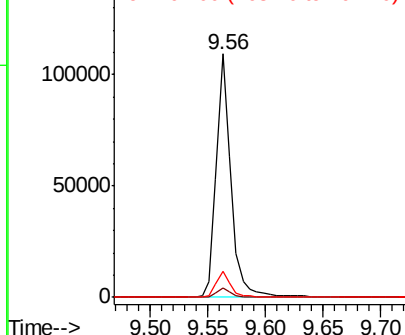
#50  
Dimethylphthalate  
Concen: 7.338 ng  
RT: 9.56 min Scan# 1271  
Delta R.T. -0.04 min  
Lab File: BF112669.D  
Acq: 22 Feb 2019 17:29

Instrument :  
BNA\_F  
ClientSampleId :  
50-50

Tgt Ion:163 Resp: 96843  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.3 4.9  
164 10.7 8.5 12.7

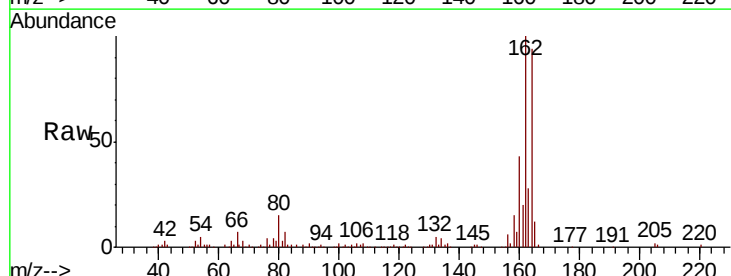


Abundance Ion 163.00 (162.70 to 163.70): E  
150000 Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

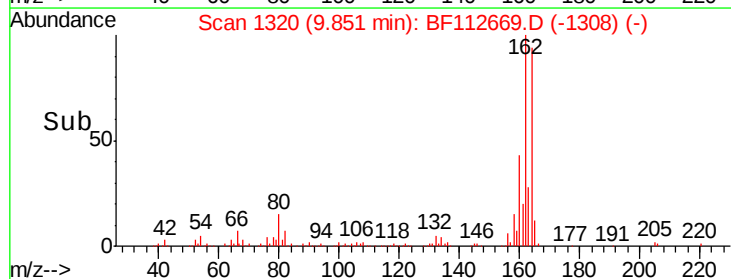
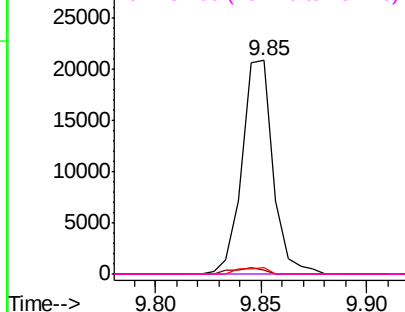


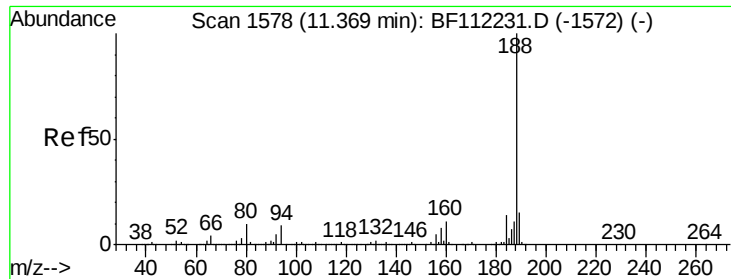
#57  
2,4-Dinitrotoluene  
Concen: 5.625 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. -0.23 min  
Lab File: BF112669.D  
Acq: 22 Feb 2019 17:29

Tgt Ion:165 Resp: 21163  
Ion Ratio Lower Upper  
165 100  
63 1.5 27.9 41.9#  
89 2.8 47.9 71.9#  
182 0.0 2.2 3.4#



Abundance Ion 165.00 (164.70 to 165.70): E  
30000 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BF112669.D

Acq: 22 Feb 2019 17:29

Instrument :

BNA\_F

ClientSampleId :

50-50

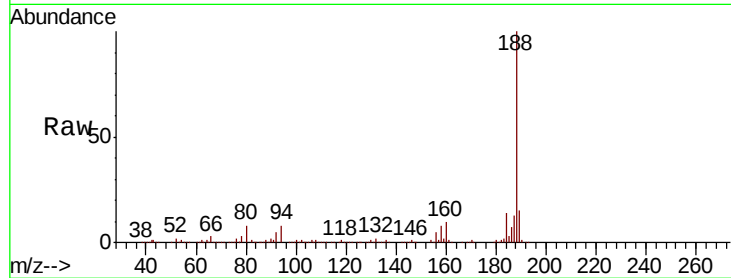
Tgt Ion:188 Resp: 311995

Ion Ratio Lower Upper

188 100

94 7.8 8.2 12.2#

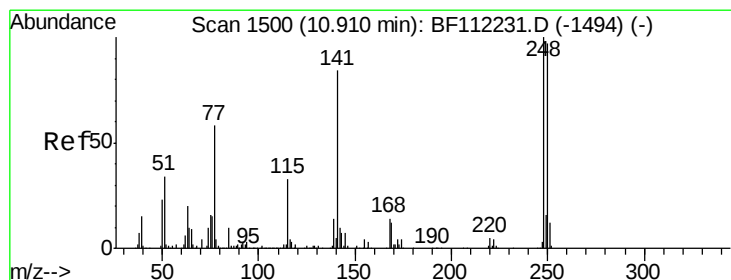
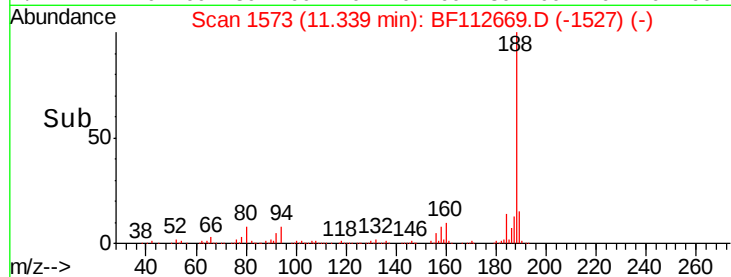
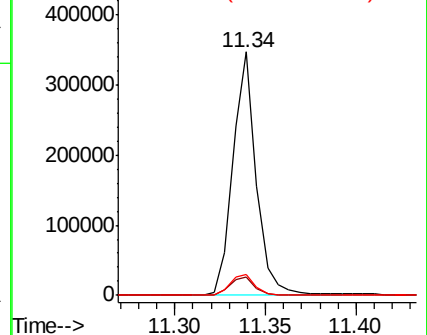
80 8.4 8.9 13.3#



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



#67

4-Bromophenyl-phenylether

Concen: 3.039 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.26 min

Lab File: BF112669.D

Acq: 22 Feb 2019 17:29

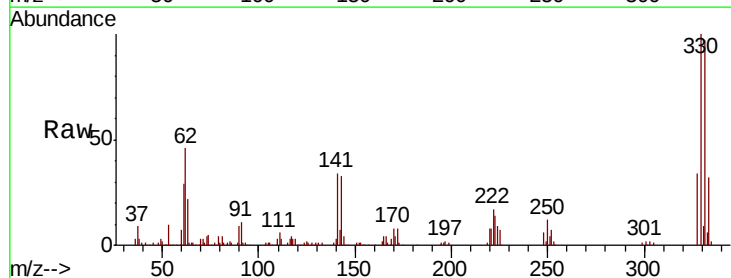
Tgt Ion:248 Resp: 11151

Ion Ratio Lower Upper

248 100

250 191.5 79.7 119.5#

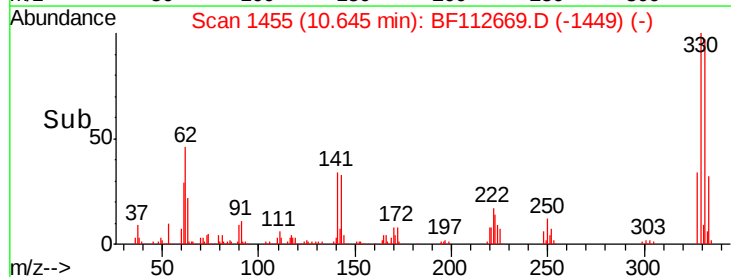
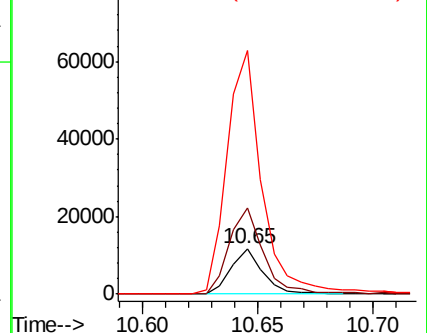
141 537.6 60.3 90.5#

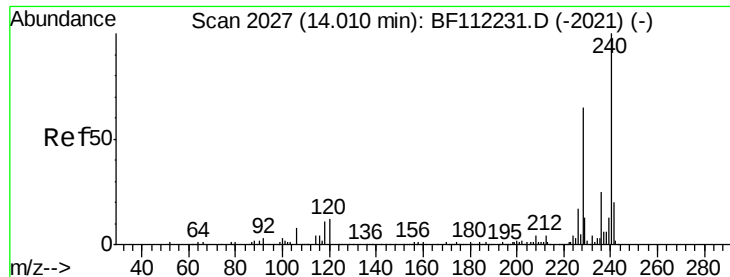


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.03 min

Lab File: BF112669.D

Acq: 22 Feb 2019 17:29

Instrument :

BNA\_F

ClientSampleId :

50-50

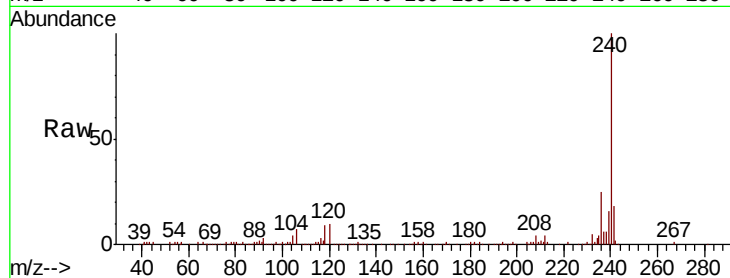
Tgt Ion:240 Resp: 194011

Ion Ratio Lower Upper

240 100

120 9.6 9.0 13.6

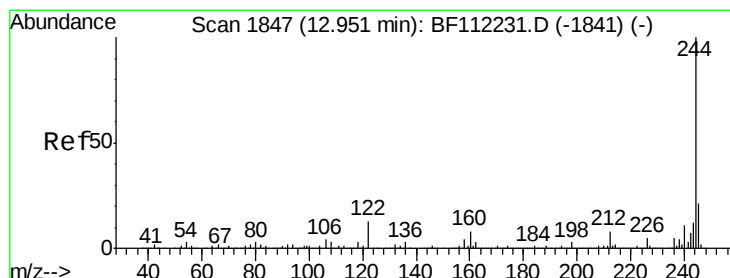
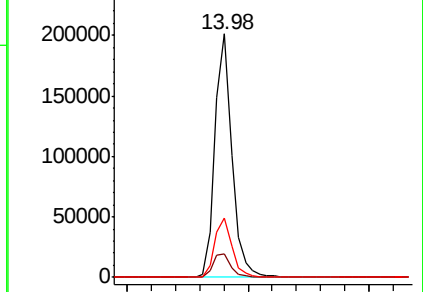
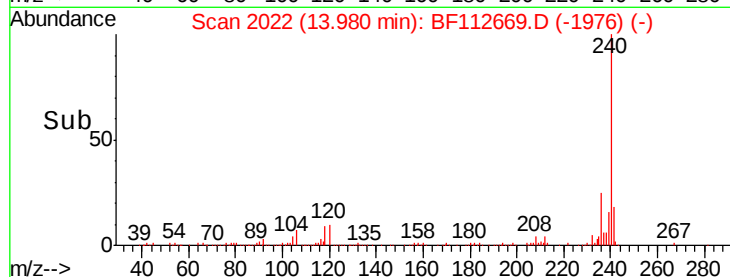
236 24.5 20.7 31.1



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



#79

Terphenyl-d14

Concen: 82.621 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BF112669.D

Acq: 22 Feb 2019 17:29

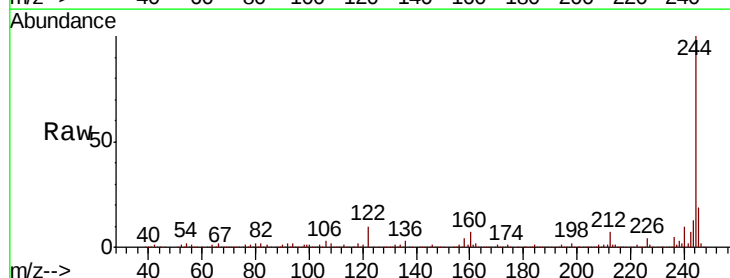
Tgt Ion:244 Resp: 851071

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

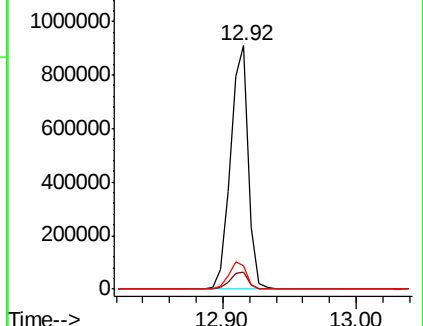
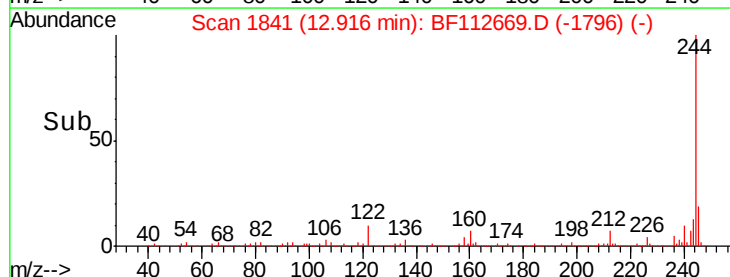
122 9.9 9.8 14.6

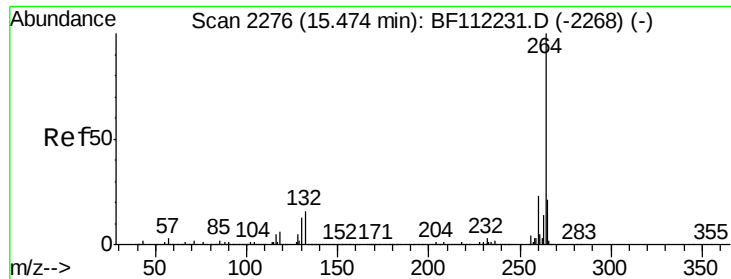


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.45 min Scan# 2272  
Delta R.T. -0.02 min  
Lab File: BF112669.D  
Acq: 22 Feb 2019 17:29

Instrument :  
BNA\_F  
ClientSampleId :  
50-50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 18.2  | 27.2  |
| 265     | 22.1  | 17.0  | 25.4  |

