

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\  
 Data File : BF110342.D  
 Acq On : 31 Oct 2018 19:32  
 Operator : JU/SJ  
 Sample : J5730-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 01 03:43:46 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 31 14:18:16 2018  
 Response via : Initial Calibration

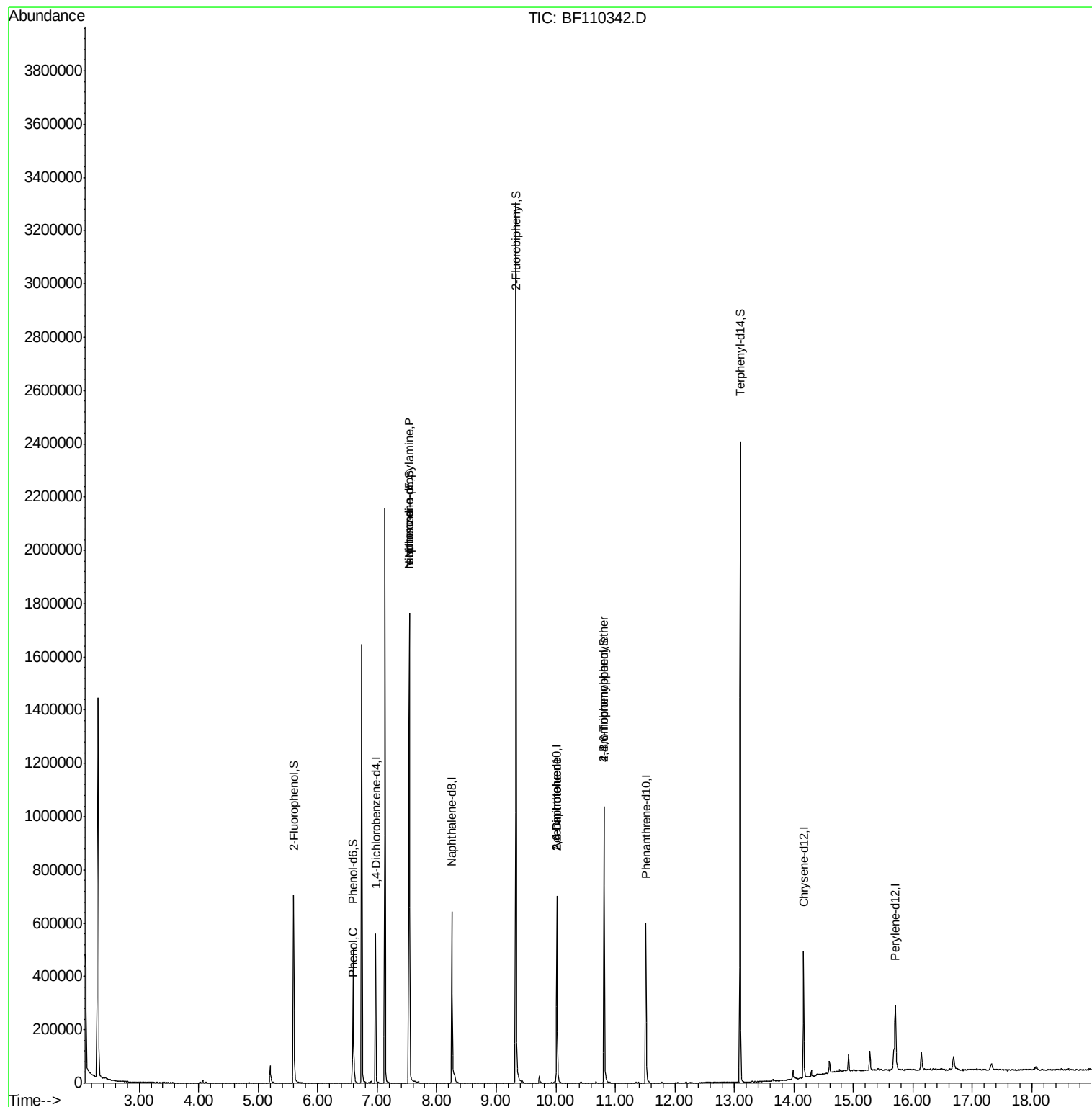
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 86391    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.26  | 136  | 336411   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 10.02 | 164  | 148068   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.52 | 188  | 252310   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.16 | 240  | 168481   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.70 | 264  | 128195   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 219409   | 41.36  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.59  | 99   | 165252   | 24.35  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.54  | 82   | 580612   | 102.37 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.81 | 330  | 126721   | 86.40  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.33  | 172  | 1038621  | 110.15 | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.10 | 244  | 812019   | 100.23 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.60  | 94   | 25021    | 3.450  | ng    | # 66     |
| 19) n-Nitroso-di-n-propylamine | 7.54  | 70   | 77443    | 17.790 | ng    | # 79     |
| 25) Isophorone                 | 7.54  | 82   | 580609   | 60.054 | ng    | # 67     |
| 51) 2,6-Dinitrotoluene         | 10.02 | 165  | 18570    | 7.887  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene         | 10.02 | 165  | 18570    | 6.210  | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether  | 10.81 | 248  | 7921     | 2.894  | ng    | # 1      |

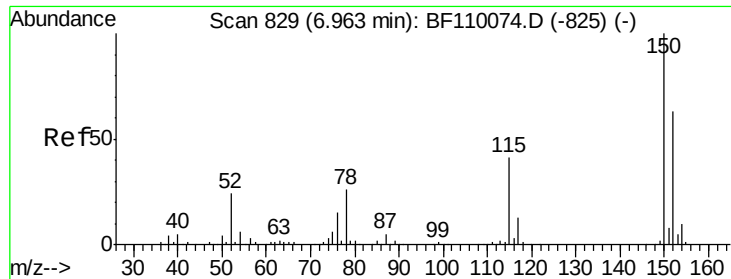
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Response via : Initial Calibration



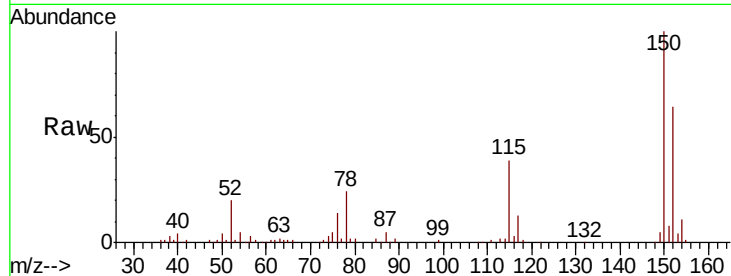


#1

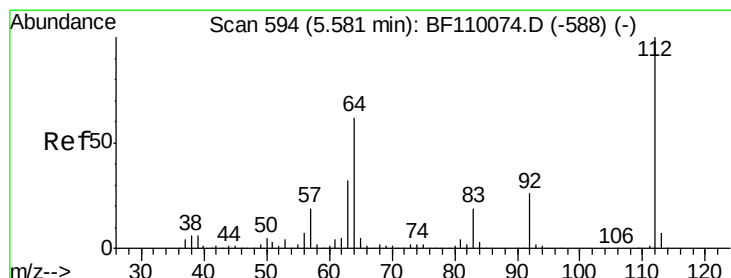
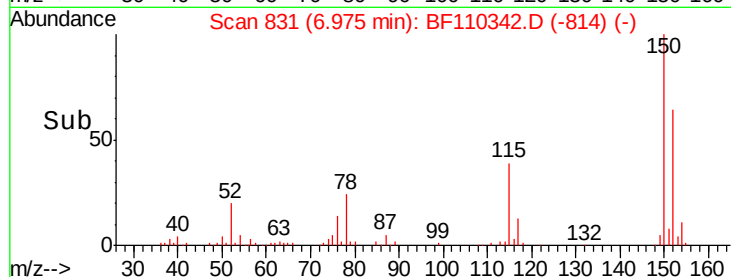
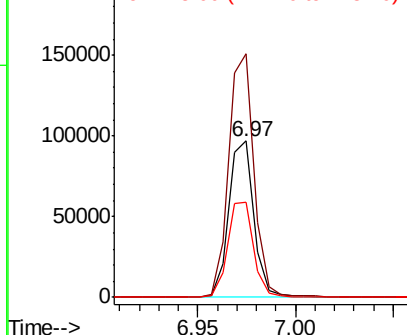
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 831  
Delta R.T. 0.00 min  
Lab File: BF110342.D  
Acq: 31 Oct 2018 19:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 86391  
Ion Ratio Lower Upper  
152 100  
150 155.8 122.7 184.1  
115 60.7 49.1 73.7



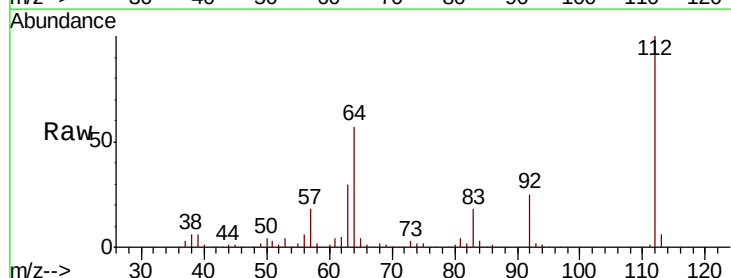
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



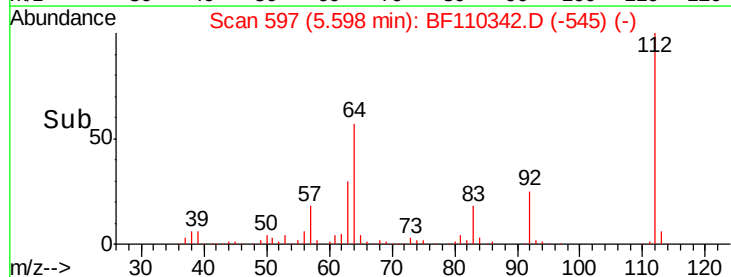
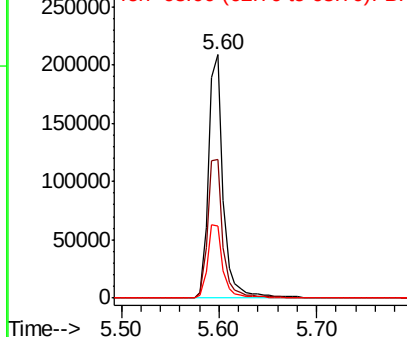
#5

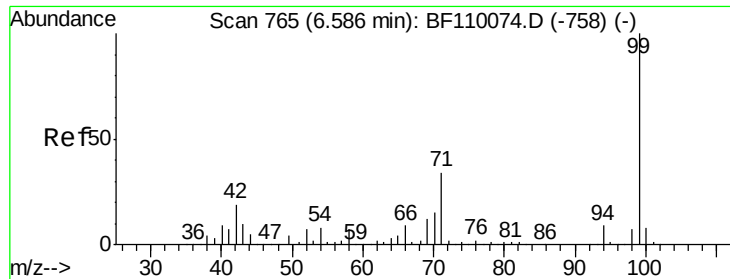
2-Fluorophenol  
Concen: 41.358 ng  
RT: 5.60 min Scan# 597  
Delta R.T. 0.01 min  
Lab File: BF110342.D  
Acq: 31 Oct 2018 19:32

Tgt Ion:112 Resp: 219409  
Ion Ratio Lower Upper  
112 100  
64 57.0 44.1 66.1  
63 29.8 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: 24.353 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110342.D

Acq: 31 Oct 2018 19:32

Instrument :

BNA\_F

ClientSampleId :

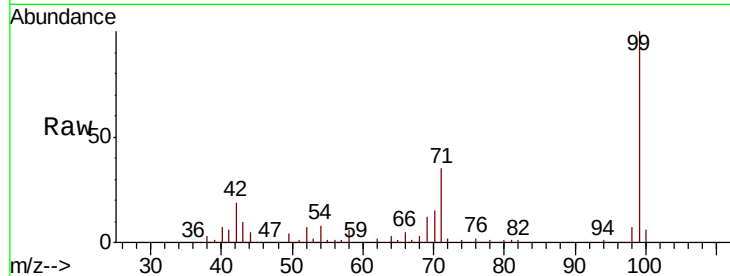
Tot Ion: 99 Resp: 165252

Ion Ratio Lower Upper

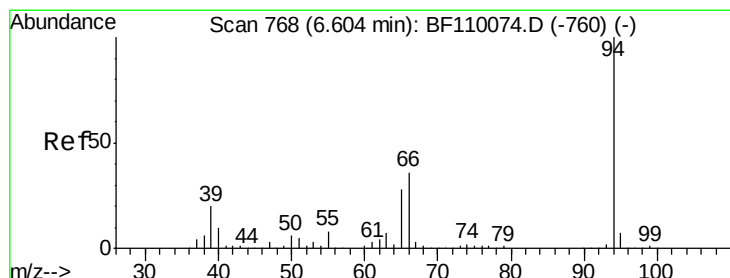
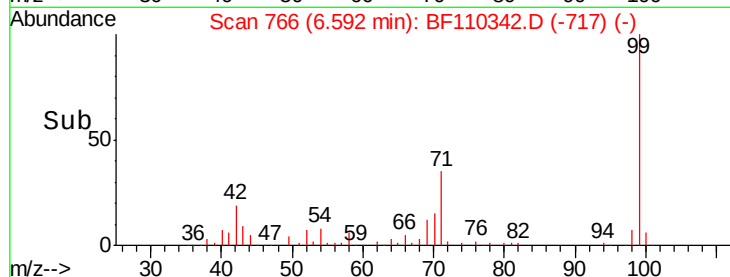
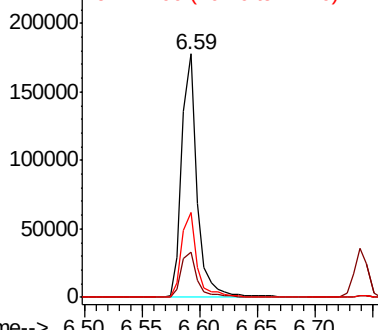
99 100

42 18.6 15.8 23.6

71 34.9 28.0 42.0



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: 3.450 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110342.D

Acq: 31 Oct 2018 19:32

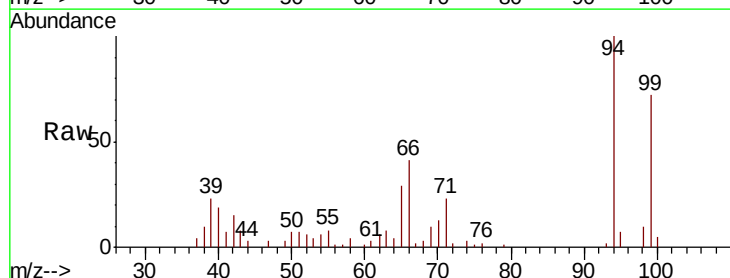
Tgt Ion: 94 Resp: 25021

Ion Ratio Lower Upper

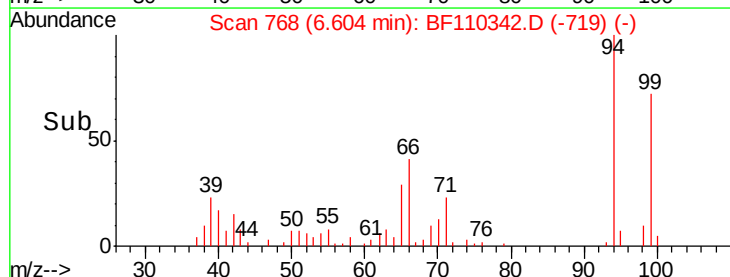
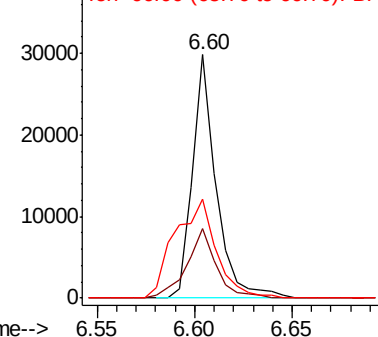
94 100

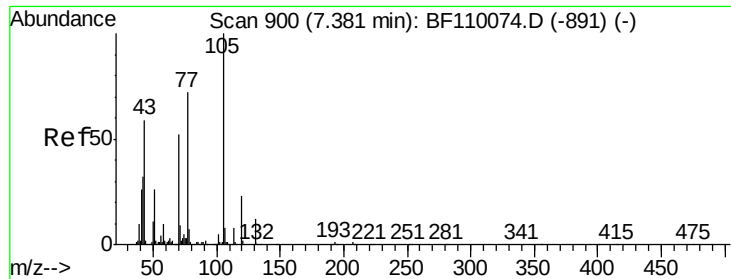
65 28.6 25.3 65.3

66 40.8 54.5 94.5#



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

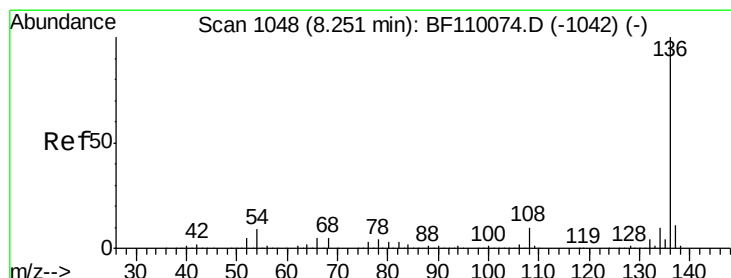
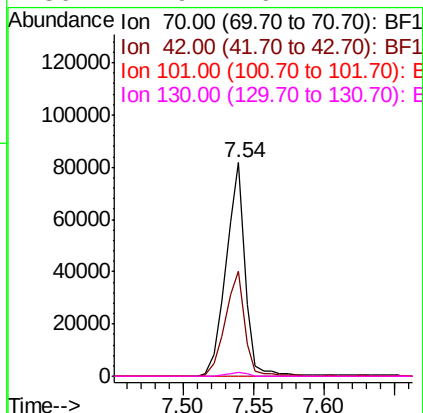
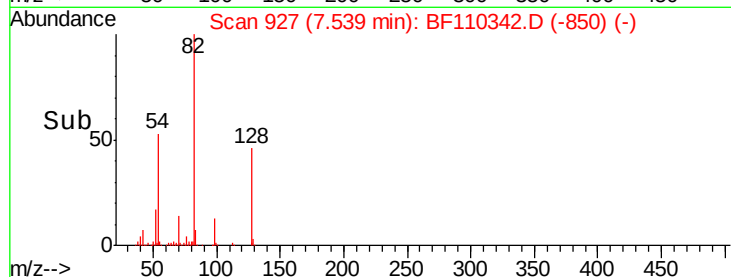
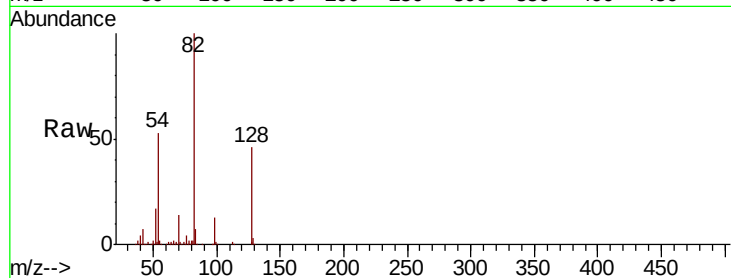




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.790 ng  
RT: 7.54 min Scan# 927  
Delta R.T. 0.15 min  
Lab File: BF110342.D  
Acq: 31 Oct 2018 19:32

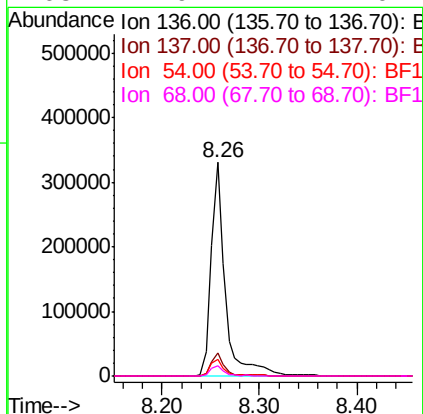
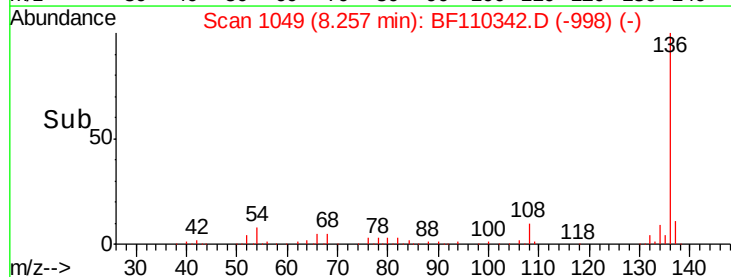
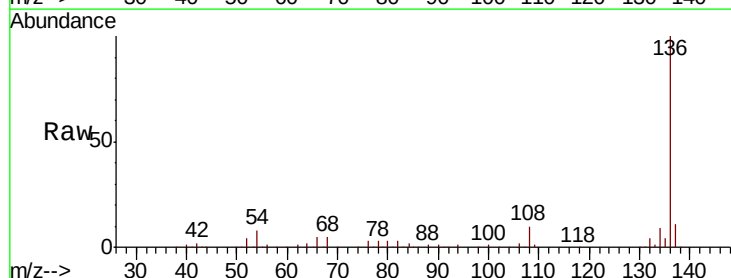
Instrument :  
BNA\_F  
ClientSampleId :

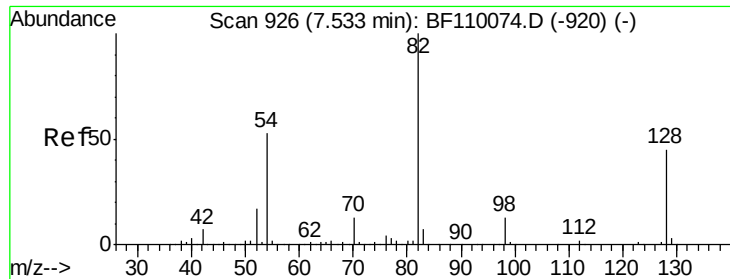
Tot Ion: 70 Resp: 77443  
Ion Ratio Lower Upper  
70 100  
42 49.2 47.4 71.2  
101 0.0 7.3 10.9#  
130 1.9 16.2 24.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.26 min Scan# 1049  
Delta R.T. 0.00 min  
Lab File: BF110342.D  
Acq: 31 Oct 2018 19:32

Tgt Ion: 136 Resp: 336411  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 7.6 5.4 8.2  
68 4.9 4.2 6.2

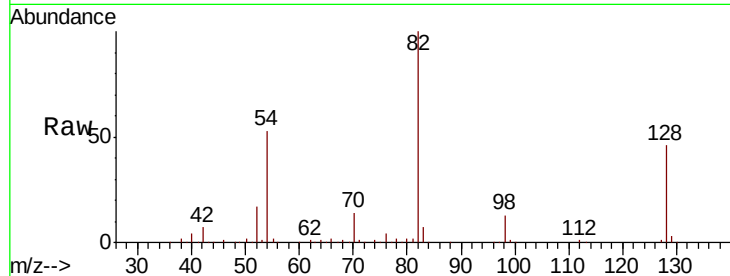




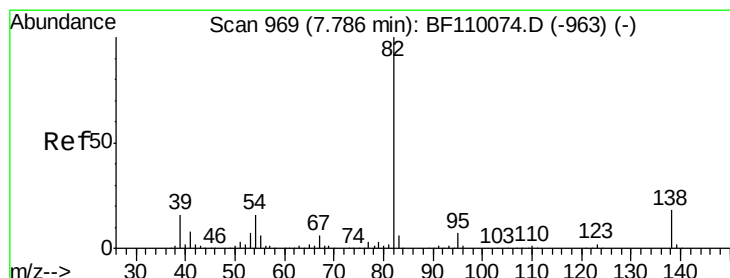
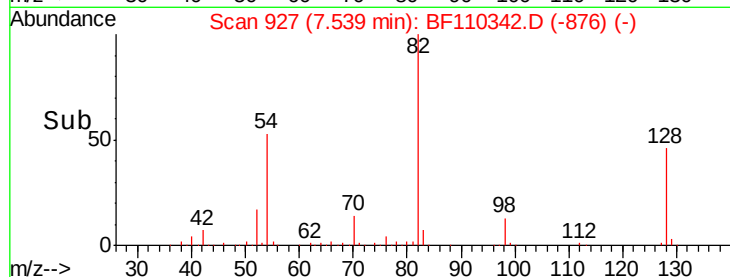
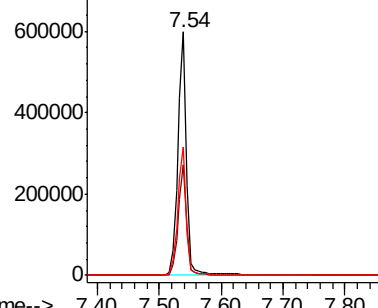
#23  
 Nitrobenzene-d5  
 Concen: 102.369 ng  
 RT: 7.54 min Scan# 927  
 Delta R.T. 0.00 min  
 Lab File: BF110342.D  
 Acq: 31 Oct 2018 19:32

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 82 Resp: 580612  
 Ion Ratio Lower Upper  
 82 100  
 128 45.6 34.2 51.2  
 54 52.5 38.6 58.0

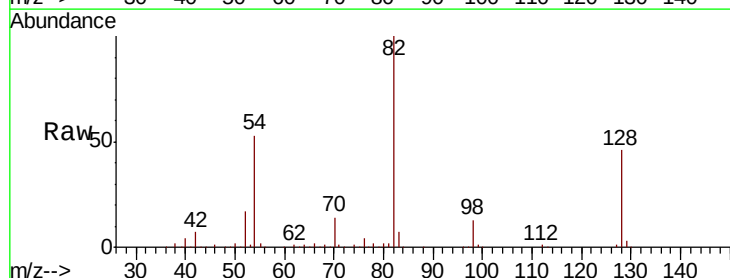


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 800000 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

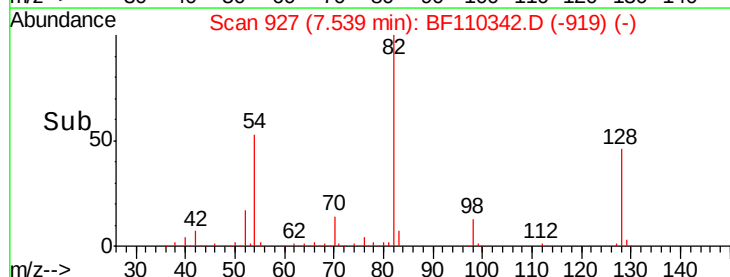
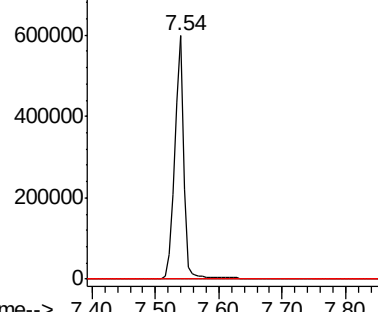


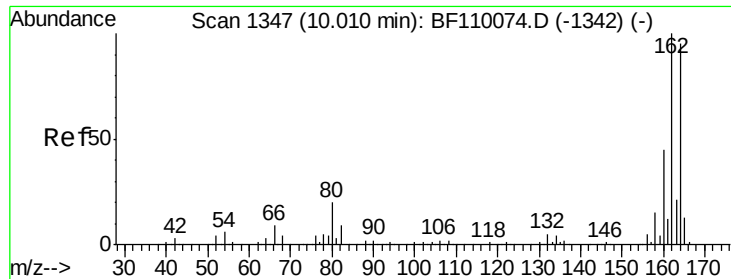
#25  
 Isophorone  
 Concen: 60.054 ng  
 RT: 7.54 min Scan# 927  
 Delta R.T. -0.25 min  
 Lab File: BF110342.D  
 Acq: 31 Oct 2018 19:32

Tgt Ion: 82 Resp: 580609  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.7 8.5#  
 138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
 800000 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: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110342.D

Acq: 31 Oct 2018 19:32

Instrument :

BNA\_F

ClientSampleId :

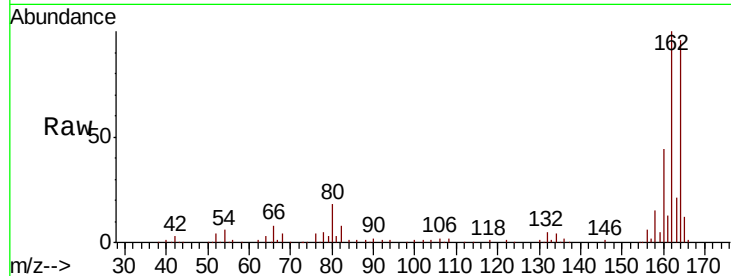
Tot Ion:164 Resp: 148068

Ion Ratio Lower Upper

164 100

162 104.0 83.0 124.6

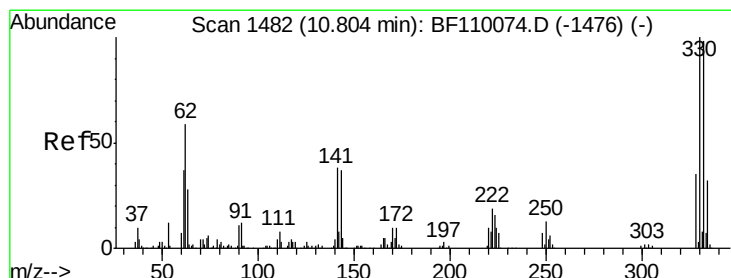
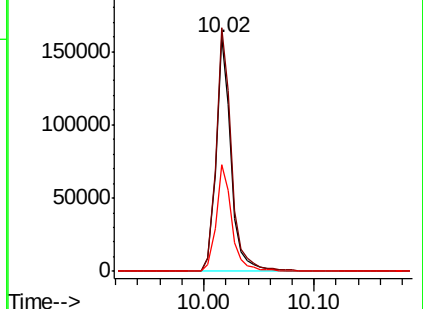
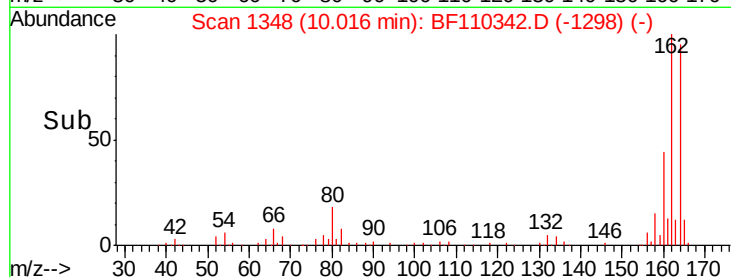
160 45.5 37.0 55.6



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: 86.398 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BF110342.D

Acq: 31 Oct 2018 19:32

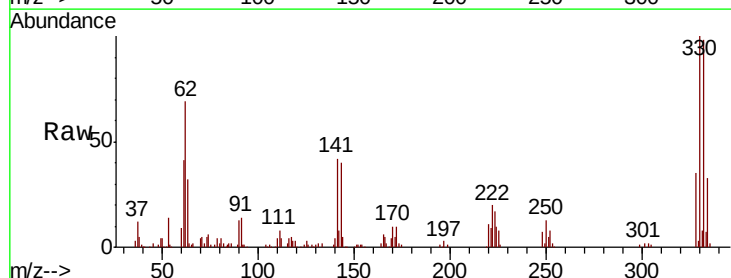
Tgt Ion:330 Resp: 126721

Ion Ratio Lower Upper

330 100

332 97.5 77.1 115.7

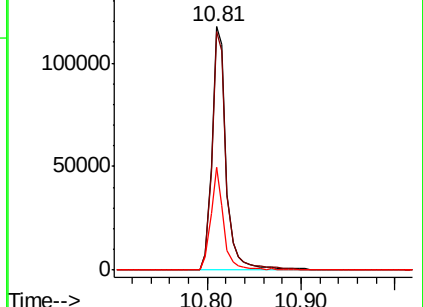
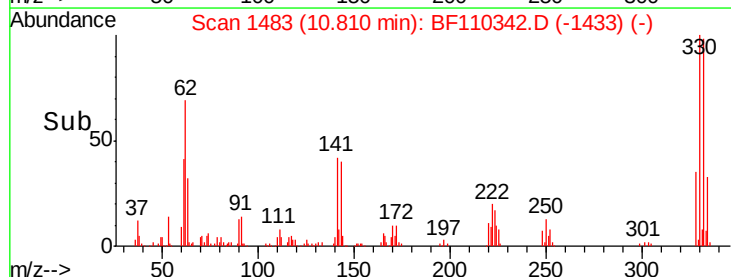
141 37.7 27.0 40.4

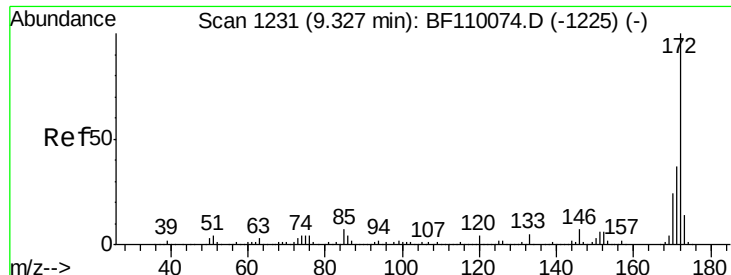


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

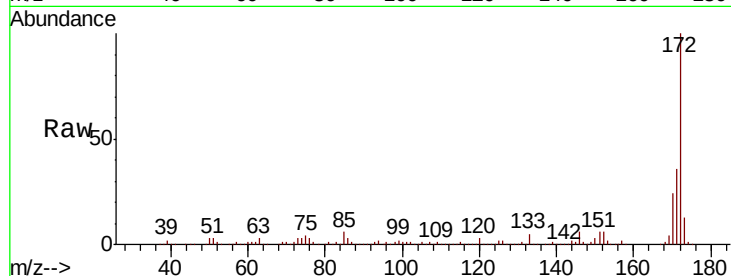




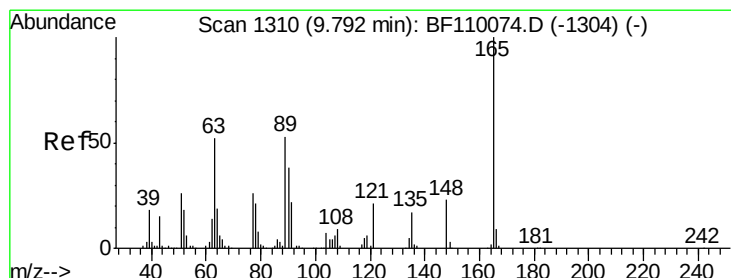
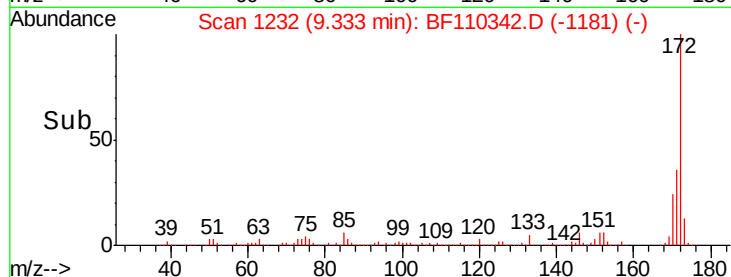
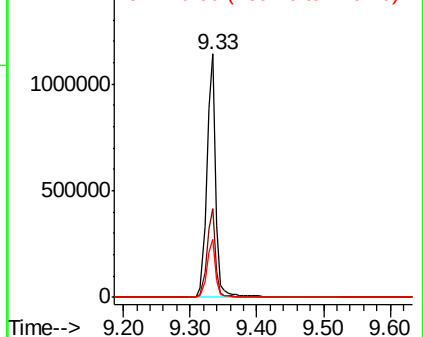
#45  
2-Fluorobiphenyl  
Concen: 110.146 ng  
RT: 9.33 min Scan# 1232  
Delta R.T. 0.00 min  
Lab File: BF110342.D  
Acq: 31 Oct 2018 19:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1038621  
Ion Ratio Lower Upper  
172 100  
171 36.4 28.6 43.0  
170 23.6 19.7 29.5

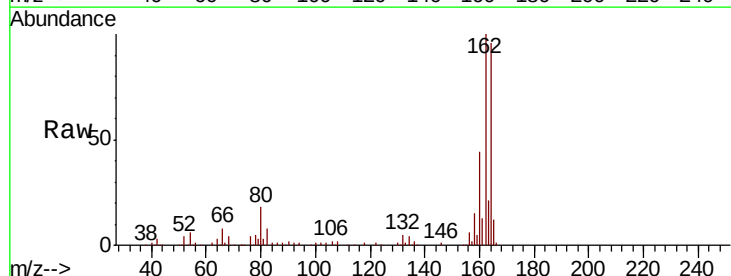


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

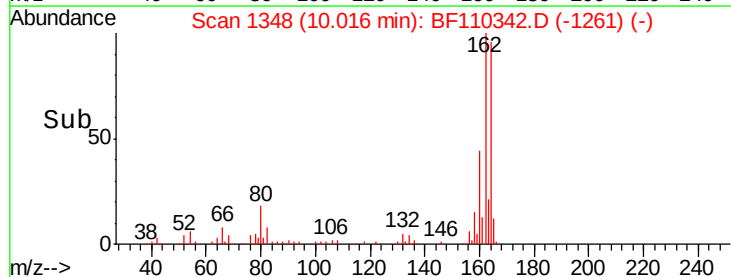
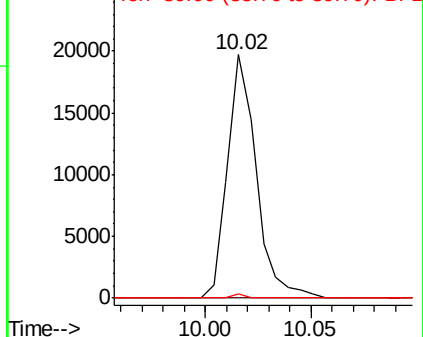


#51  
2,6-Dinitrotoluene  
Concen: 7.887 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. 0.21 min  
Lab File: BF110342.D  
Acq: 31 Oct 2018 19:32

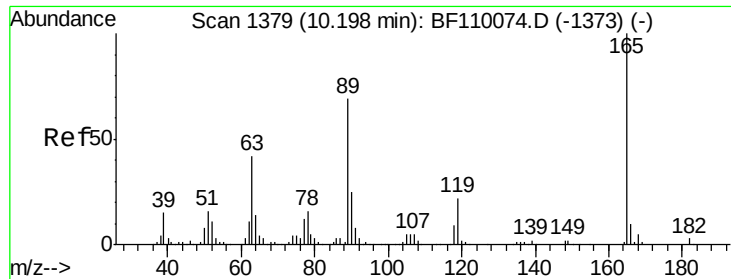
Tgt Ion:165 Resp: 18570  
Ion Ratio Lower Upper  
165 100  
63 0.0 48.9 73.3#  
89 1.5 46.6 69.8#



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



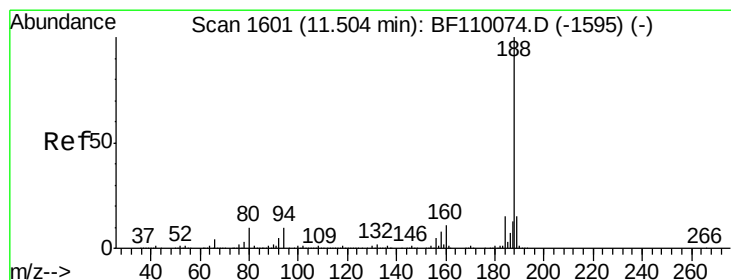
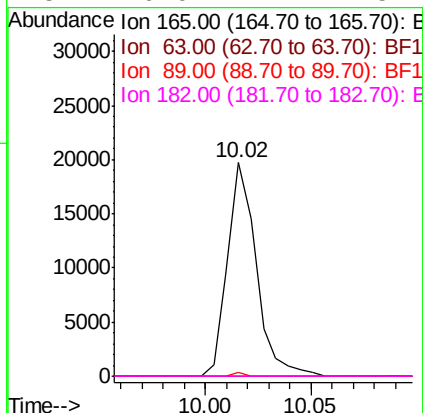
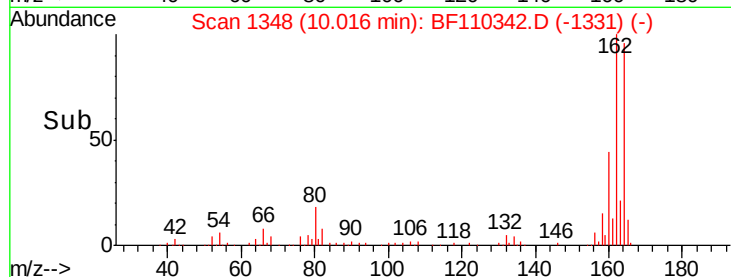
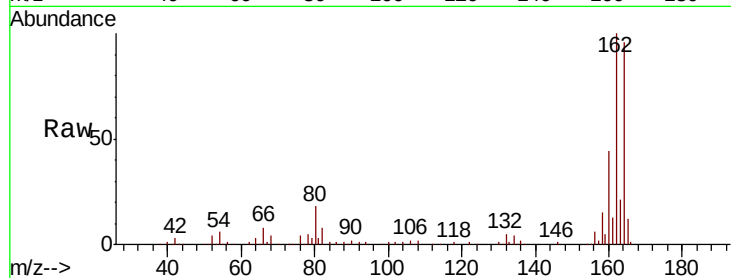




#57  
2,4-Dinitrotoluene  
Concen: 6.210 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. -0.20 min  
Lab File: BF110342.D  
Acq: 31 Oct 2018 19:32

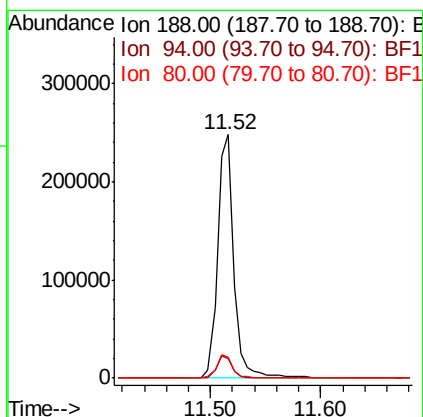
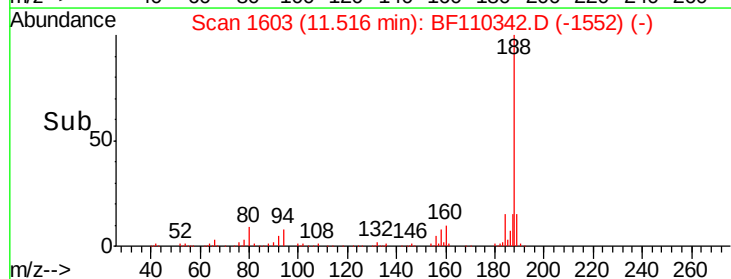
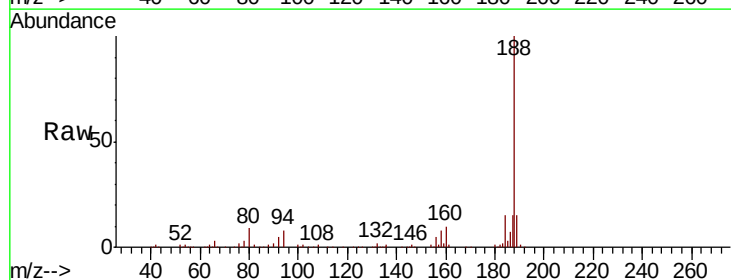
Instrument :  
BNA\_F  
ClientSampleId :

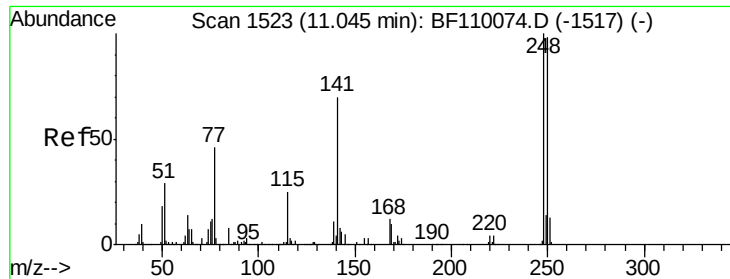
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 44.8  | 67.2# |
| 89      | 1.5   | 62.2  | 93.4# |
| 182     | 0.0   | 2.1   | 3.1#  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.52 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: BF110342.D  
Acq: 31 Oct 2018 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.9   | 7.2   | 10.8  |
| 80      | 8.5   | 7.9   | 11.9  |

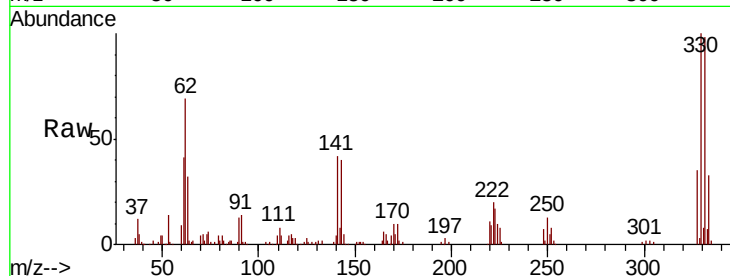




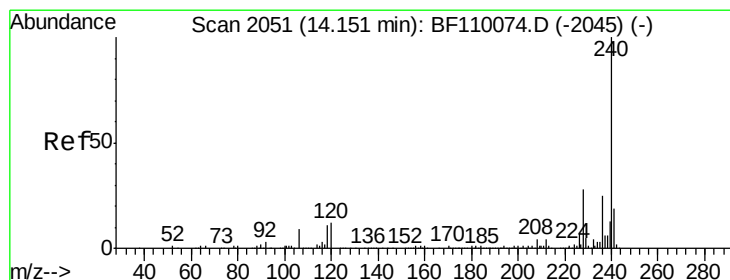
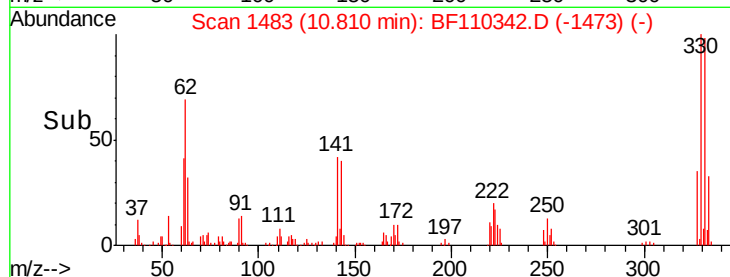
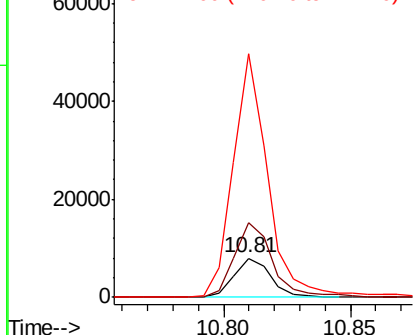
#67  
4-Bromophenyl-phenylether  
Concen: 2.894 ng  
RT: 10.81 min Scan# 1483  
Delta R.T. -0.24 min  
Lab File: BF110342.D  
Acq: 31 Oct 2018 19:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 7921  
Ion Ratio Lower Upper  
248 100  
250 191.2 79.4 119.2#  
141 626.1 55.9 83.9#

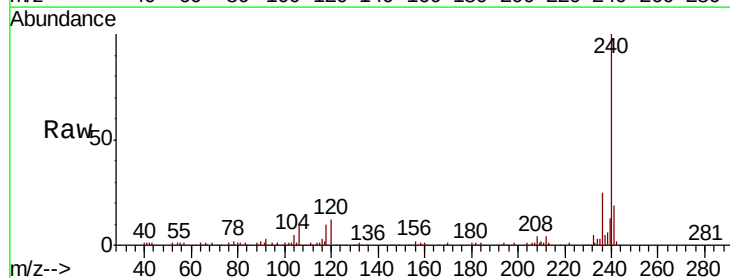


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

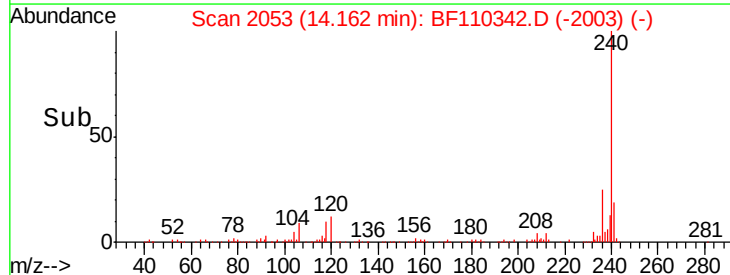
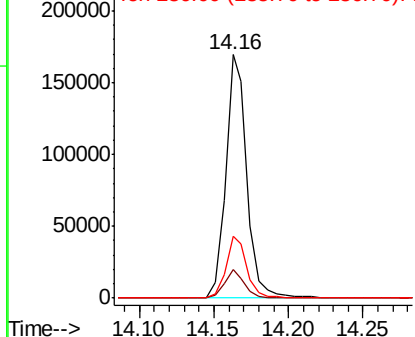


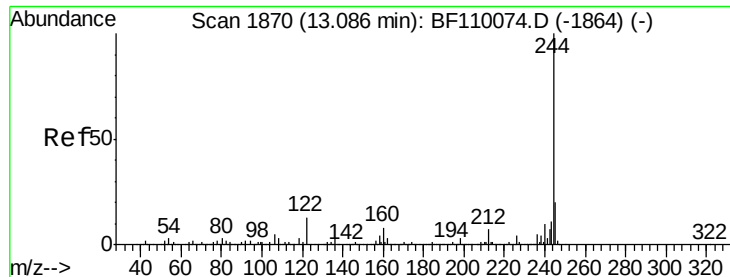
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.16 min Scan# 2053  
Delta R.T. -0.01 min  
Lab File: BF110342.D  
Acq: 31 Oct 2018 19:32

Tgt Ion:240 Resp: 168481  
Ion Ratio Lower Upper  
240 100  
120 11.9 8.3 12.5  
236 25.2 21.2 31.8



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

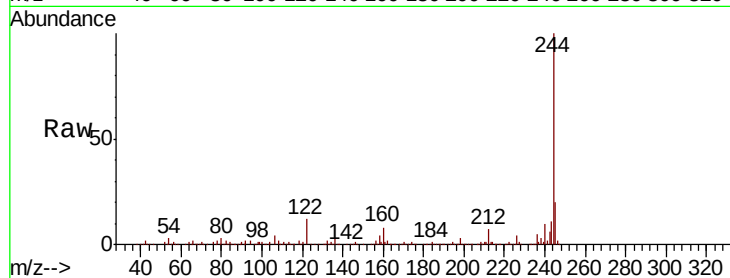




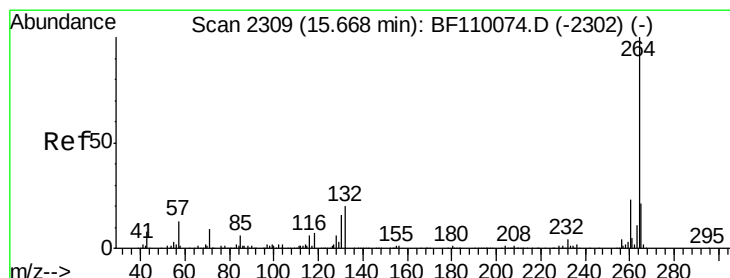
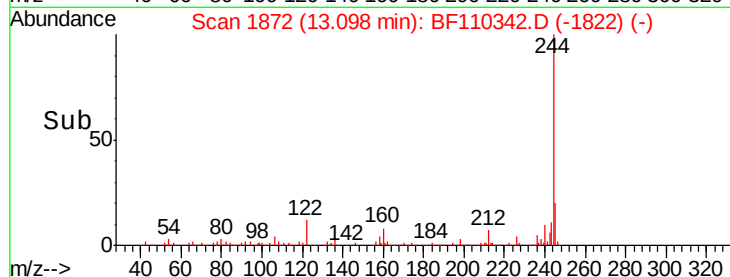
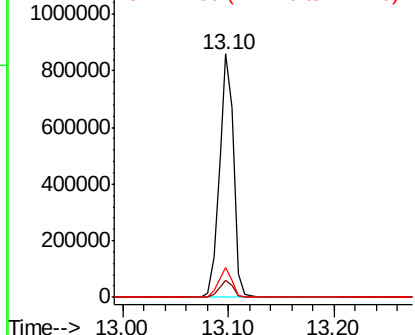
#79  
 Terphenyl-d14  
 Concen: 100.235 ng  
 RT: 13.10 min Scan# 1872  
 Delta R.T. -0.01 min  
 Lab File: BF110342.D  
 Acq: 31 Oct 2018 19:32

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:244 Resp: 812019  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.8 8.8  
 122 12.5 8.7 13.1

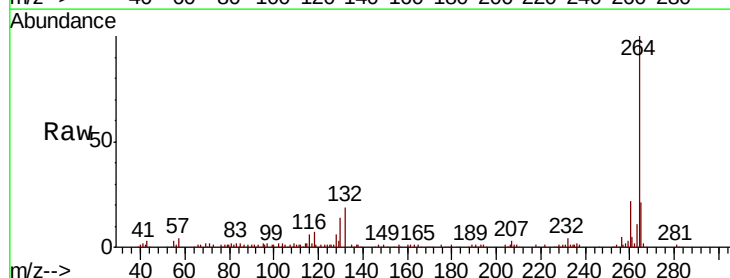


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.70 min Scan# 2315  
 Delta R.T. 0.00 min  
 Lab File: BF110342.D  
 Acq: 31 Oct 2018 19:32

Tgt Ion:264 Resp: 128195  
 Ion Ratio Lower Upper  
 264 100  
 260 21.7 18.7 28.1  
 265 20.7 16.7 25.1



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

