

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\  
 Data File : BF110053.D  
 Acq On : 22 Oct 2018 17:10  
 Operator : JU/SJ  
 Sample : J5601-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 23 02:09:53 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 16 14:58:24 2018  
 Response via : Initial Calibration

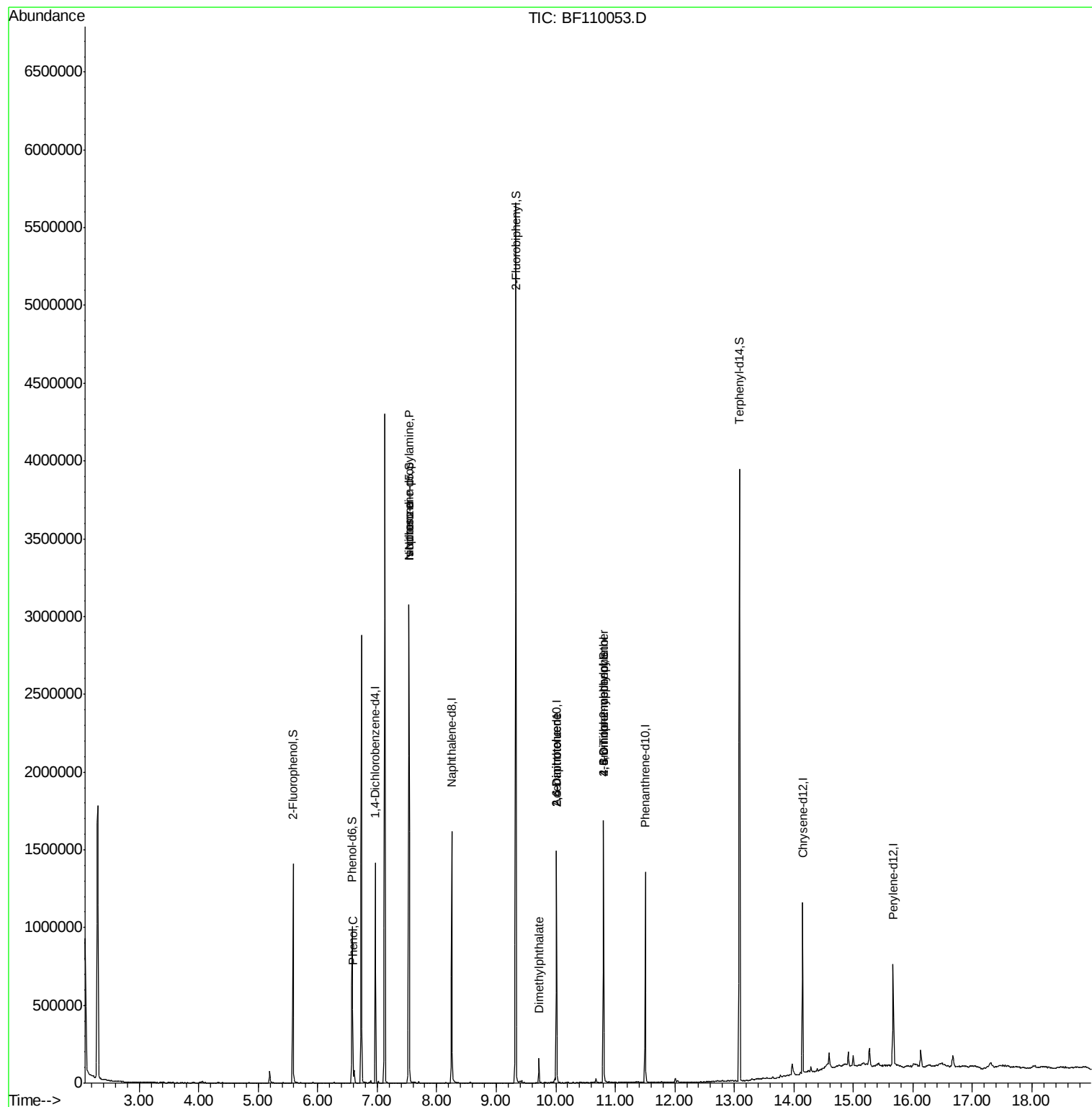
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 184582   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.25  | 136  | 690834   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 10.01 | 164  | 280608   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.50 | 188  | 454462   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 14.14 | 240  | 335938   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.67 | 264  | 252863   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.59  | 112  | 386465   | 33.19  | ng    | -0.01    |
| 7) Phenol-d6                   | 6.58  | 99   | 285383   | 19.74  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.53  | 82   | 1003052  | 97.81  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.80 | 330  | 192008   | 79.03  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.33  | 172  | 1716828  | 97.63  | ng    | -0.01    |
| 79) Terphenyl-d14              | 13.09 | 244  | 1301705  | 81.37  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.59  | 94   | 33054    | 2.117  | ng    | # 64     |
| 19) n-Nitroso-di-n-propylamine | 7.53  | 70   | 131962   | 14.214 | ng    | # 80     |
| 25) Isophorone                 | 7.53  | 82   | 1003042  | 49.778 | ng    | # 67     |
| 50) Dimethylphthalate          | 9.72  | 163  | 59287    | 2.984  | ng    | # 99     |
| 51) 2,6-Dinitrotoluene         | 10.01 | 165  | 35754    | 9.474  | ng    | # 23     |
| 57) 2,4-Dinitrotoluene         | 10.01 | 165  | 35754    | 11.367 | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylphenol | 10.80 | 198  | 363      | 8.089  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.80 | 248  | 12418    | 2.521  | ng    | # 1      |

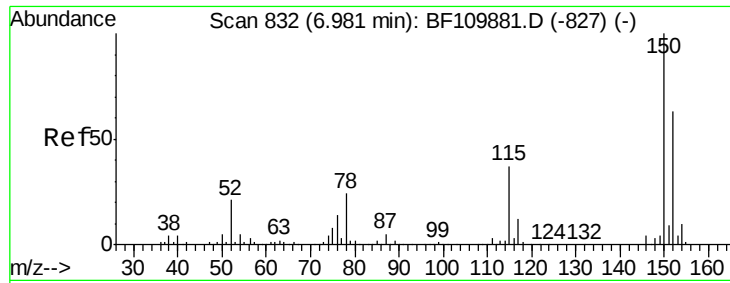
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J5601-03  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Oct 23 02:09:53 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 16 14:58:24 2018  
Response via : Initial Calibration



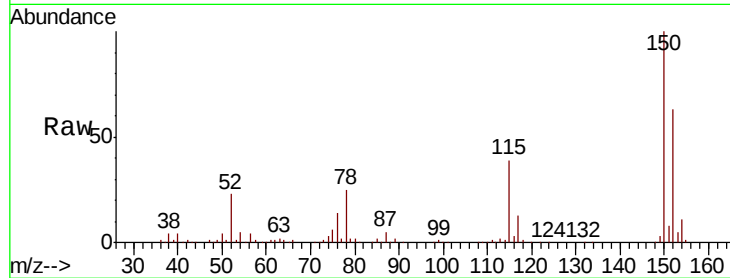


#1

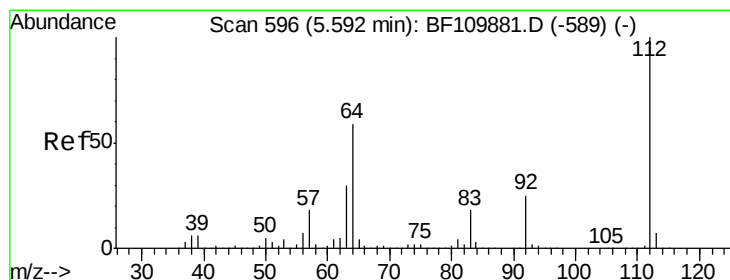
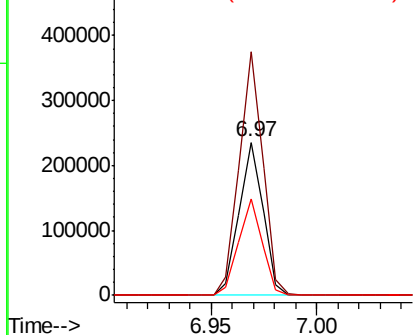
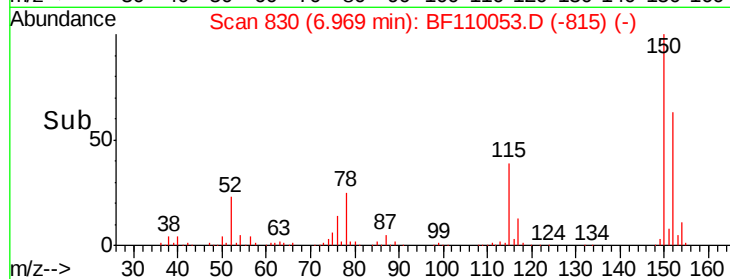
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BF110053.D  
Acq: 22 Oct 2018 17:10

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 184582  
Ion Ratio Lower Upper  
152 100  
150 159.2 122.7 184.1  
115 62.7 49.1 73.7



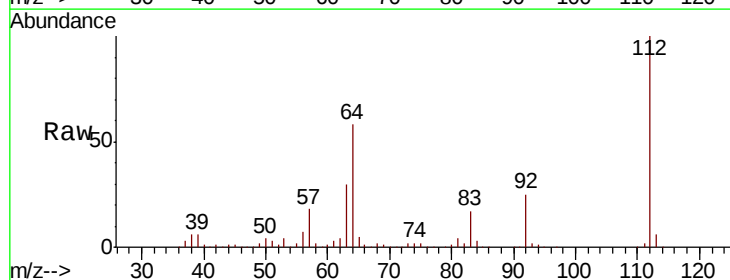
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



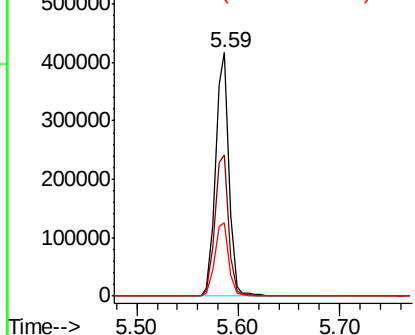
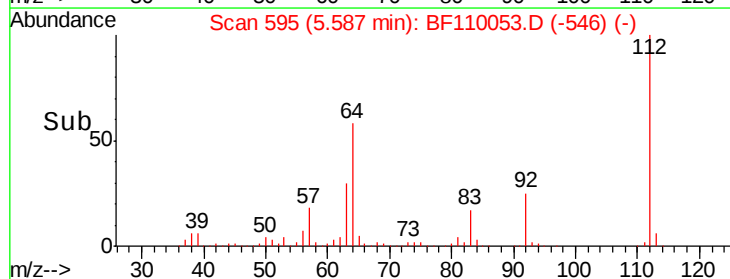
#5

2-Fluorophenol  
Concen: 33.188 ng  
RT: 5.59 min Scan# 595  
Delta R.T. -0.01 min  
Lab File: BF110053.D  
Acq: 22 Oct 2018 17:10

Tgt Ion:112 Resp: 386465  
Ion Ratio Lower Upper  
112 100  
64 57.9 44.1 66.1  
63 30.1 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: 19.737 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110053.D

Acq: 22 Oct 2018 17:10

Instrument :

BNA\_F

ClientSampled :

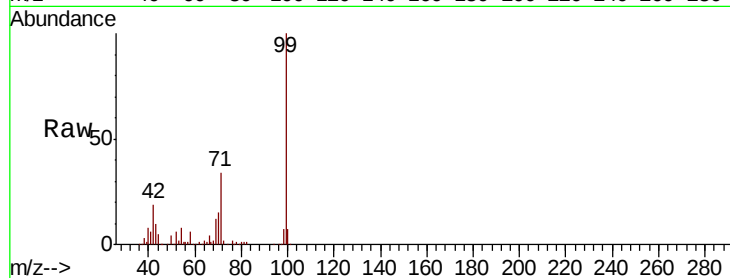
Tot Ion: 99 Resp: 285383

Ion Ratio Lower Upper

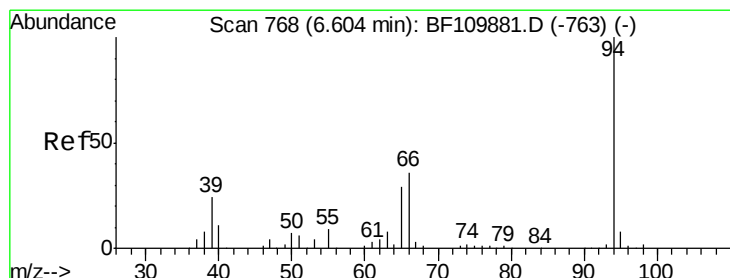
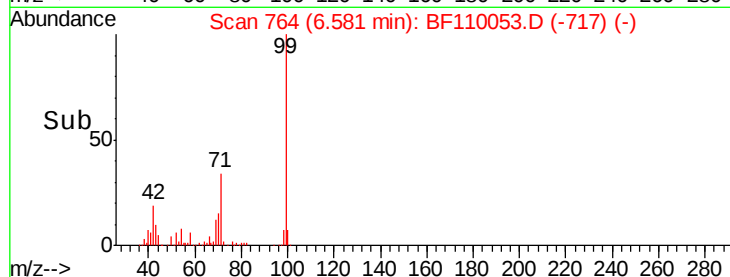
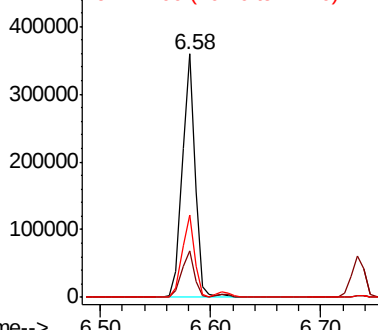
99 100

42 18.9 15.8 23.6

71 33.7 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: 2.117 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF110053.D

Acq: 22 Oct 2018 17:10

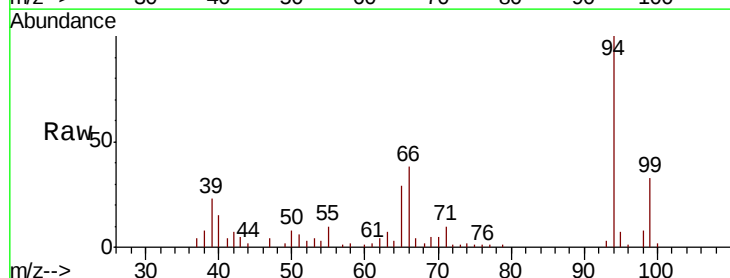
Tgt Ion: 94 Resp: 33054

Ion Ratio Lower Upper

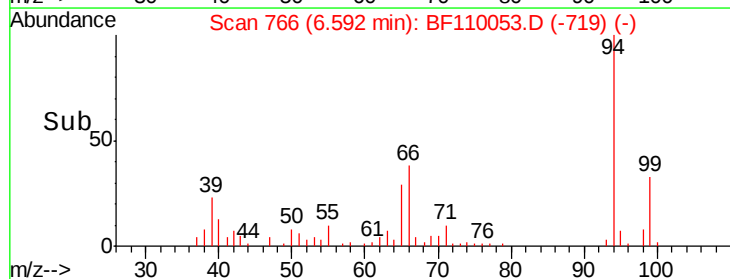
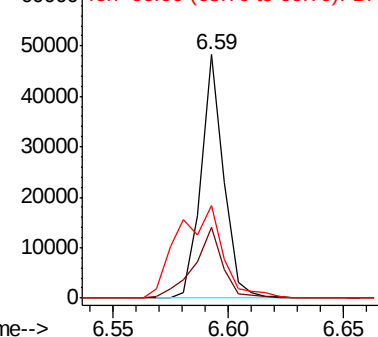
94 100

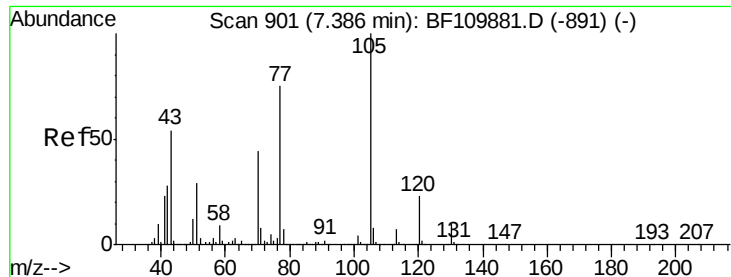
65 29.1 25.3 65.3

66 38.2 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

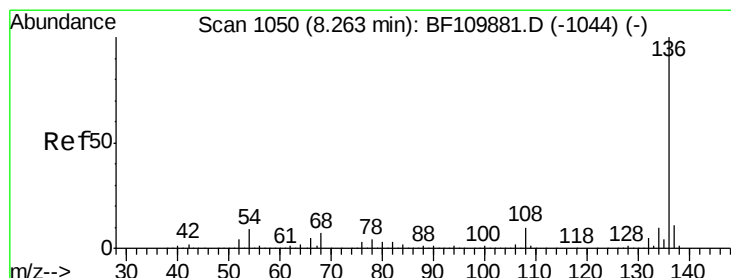
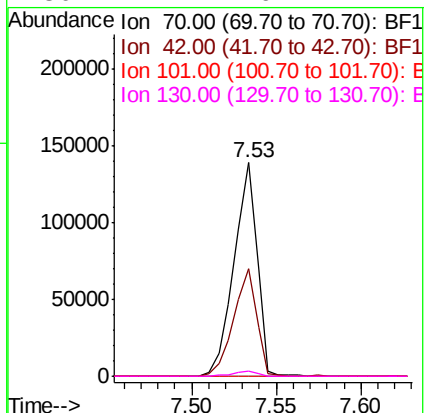
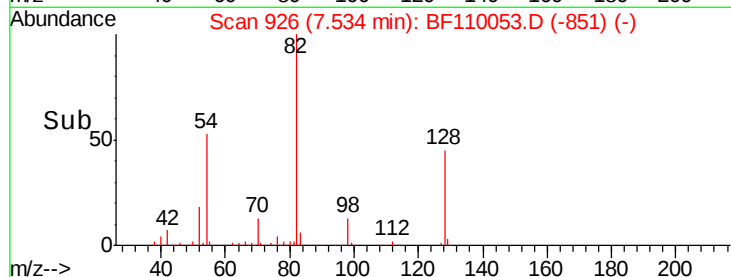
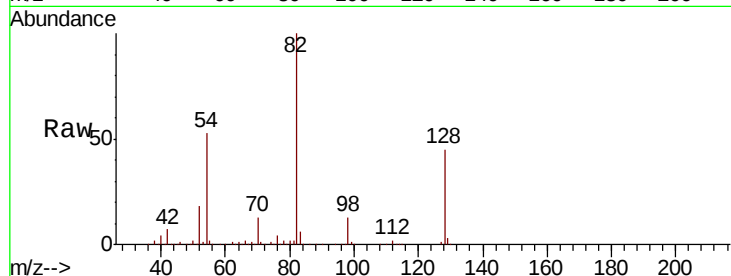




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.214 ng  
RT: 7.53 min Scan# 926  
Delta R.T. 0.14 min  
Lab File: BF110053.D  
Acq: 22 Oct 2018 17:10

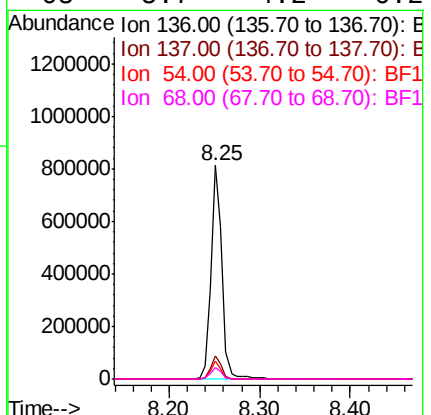
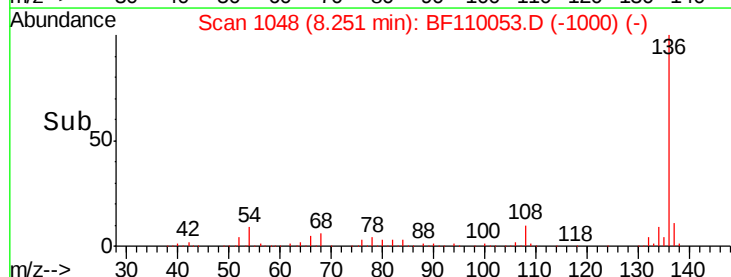
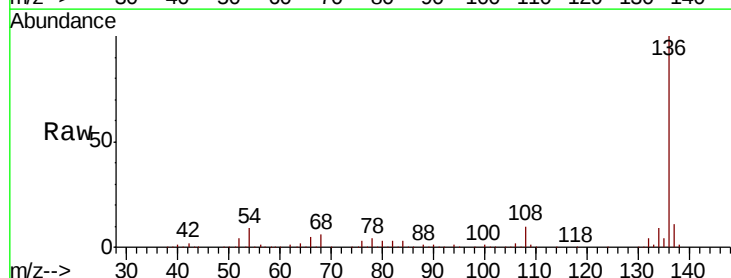
Instrument :  
BNA\_F  
ClientSampleId :

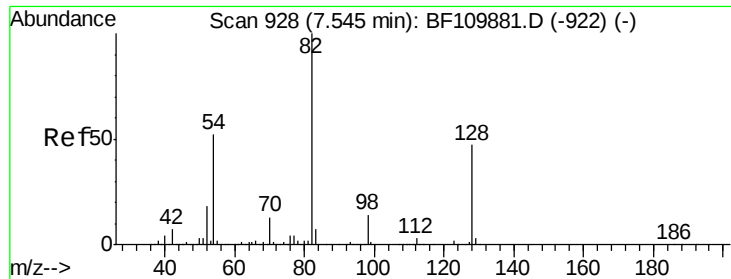
Tot Ion: 70 Resp: 131962  
Ion Ratio Lower Upper  
70 100  
42 50.1 47.4 71.2  
101 0.0 7.3 10.9#  
130 2.2 16.2 24.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1048  
Delta R.T. -0.02 min  
Lab File: BF110053.D  
Acq: 22 Oct 2018 17:10

Tgt Ion:136 Resp: 690834  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 8.5 5.4 8.2#  
68 5.7 4.2 6.2

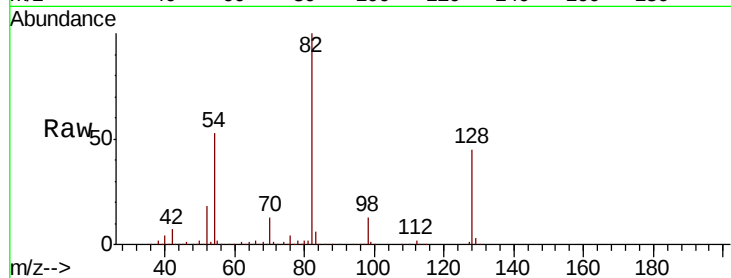




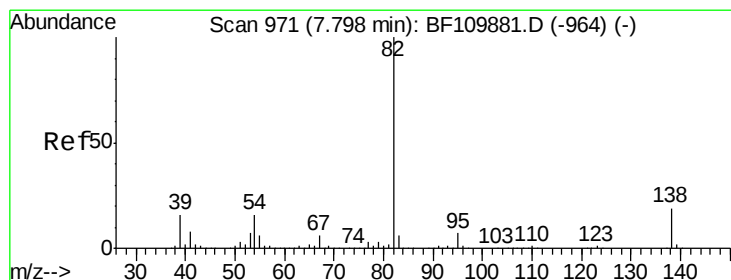
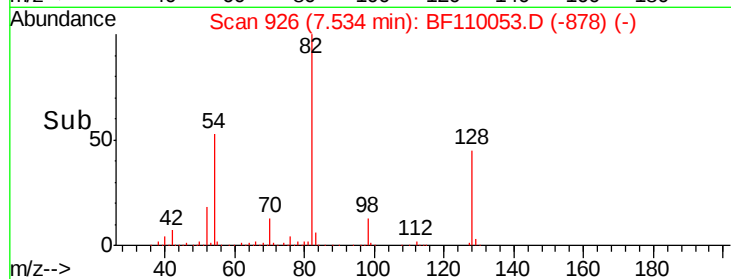
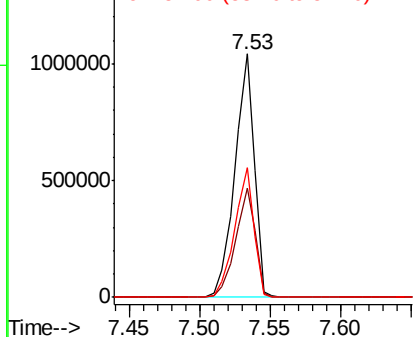
#23  
Nitrobenzene-d5  
Concen: 97.809 ng  
RT: 7.53 min Scan# 926  
Delta R.T. -0.02 min  
Lab File: BF110053.D  
Acq: 22 Oct 2018 17:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 1003052  
Ion Ratio Lower Upper  
82 100  
128 44.7 34.2 51.2  
54 53.5 38.6 58.0

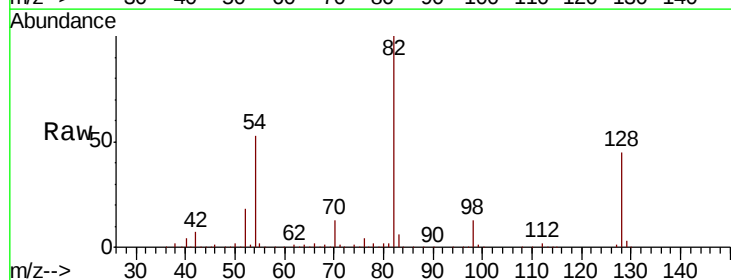


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

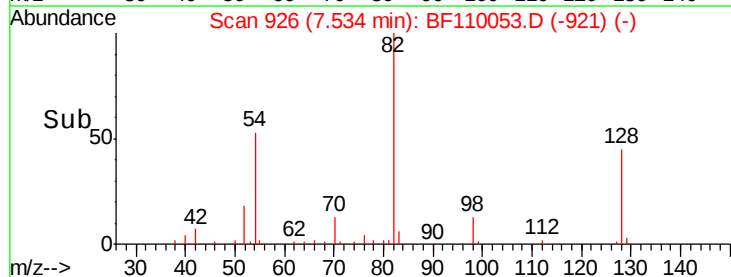
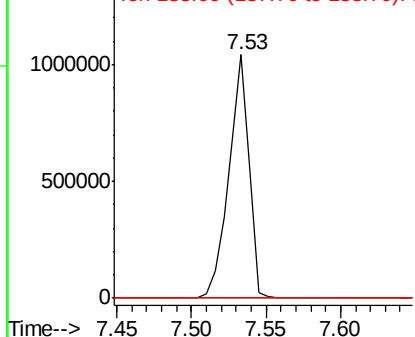


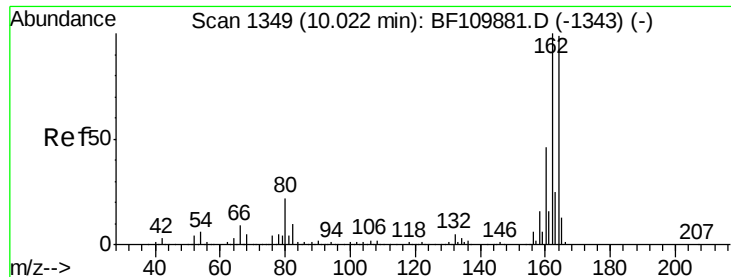
#25  
Isophorone  
Concen: 49.778 ng  
RT: 7.53 min Scan# 926  
Delta R.T. -0.27 min  
Lab File: BF110053.D  
Acq: 22 Oct 2018 17:10

Tgt Ion: 82 Resp: 1003042  
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  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

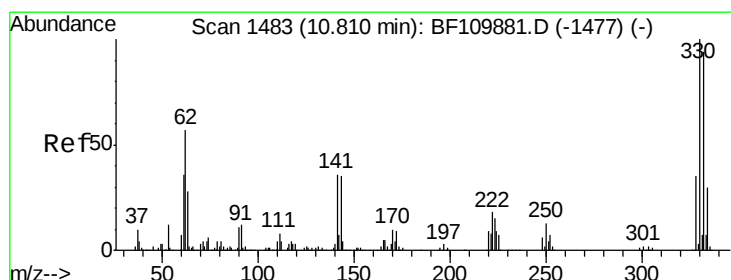
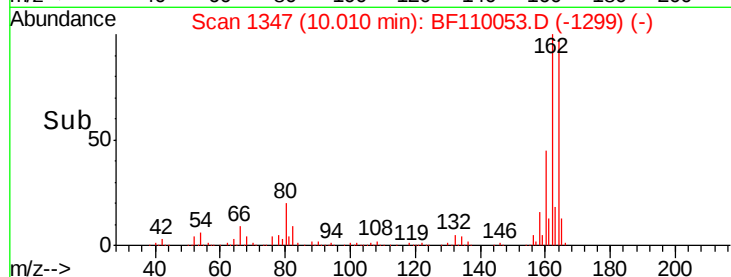
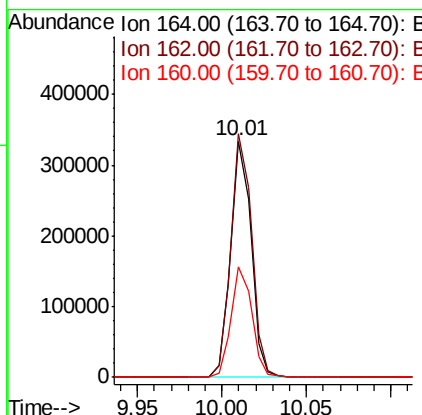
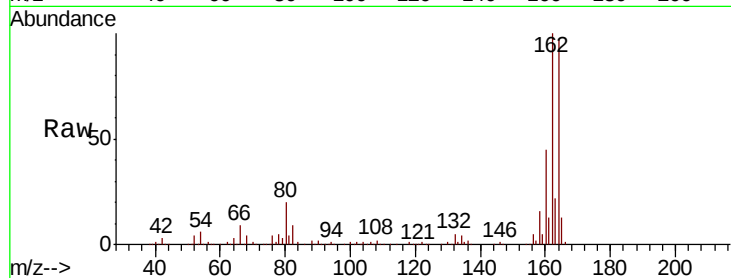




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1347  
Delta R.T. -0.02 min  
Lab File: BF110053.D  
Acq: 22 Oct 2018 17:10

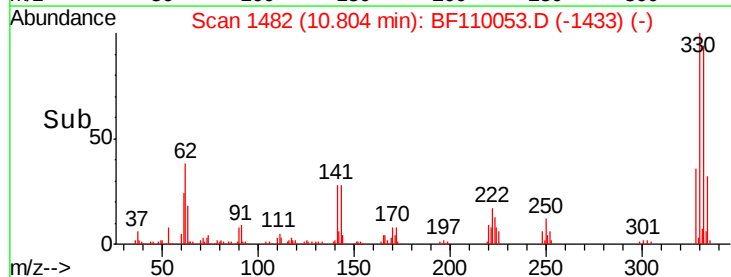
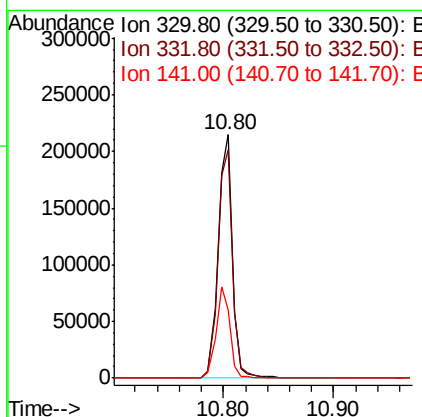
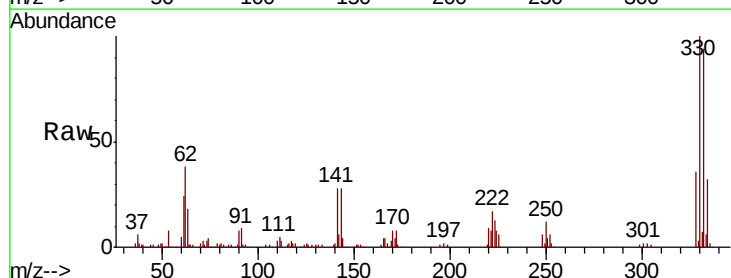
Instrument :  
BNA\_F  
ClientSampleId :

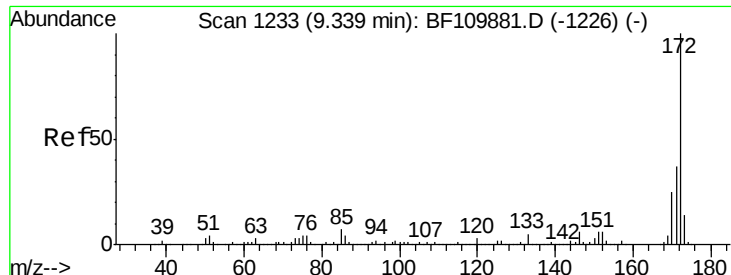
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.2 | 83.0  | 124.6 |
| 160     | 46.7  | 37.0  | 55.6  |



#42  
2,4,6-Tribromophenol  
Concen: 79.034 ng  
RT: 10.80 min Scan# 1482  
Delta R.T. -0.01 min  
Lab File: BF110053.D  
Acq: 22 Oct 2018 17:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.1  | 115.7 |
| 141     | 36.5  | 27.0  | 40.4  |

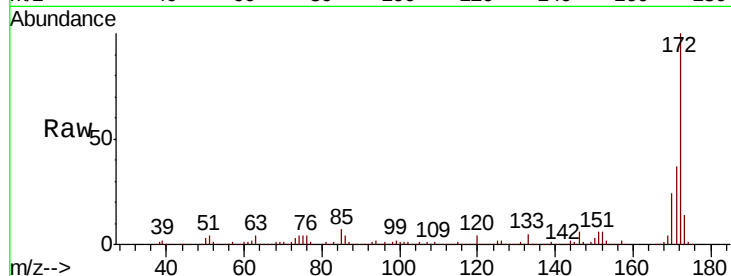




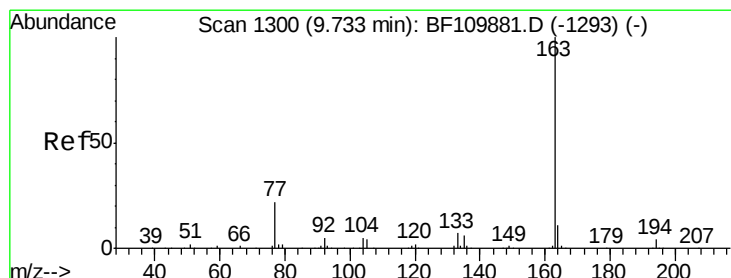
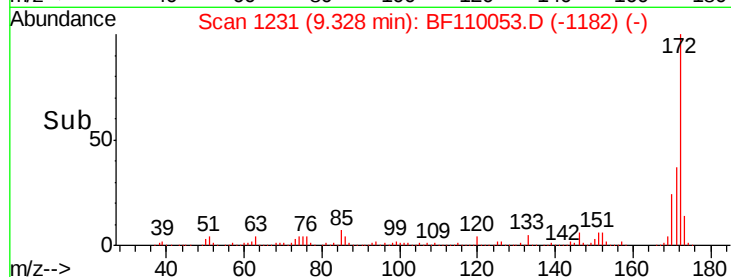
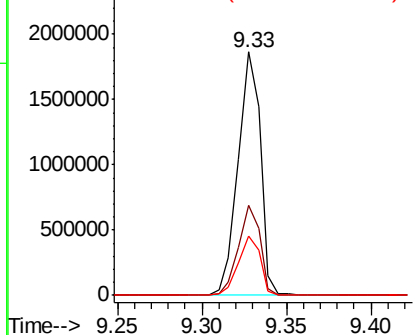
#45  
2-Fluorobiphenyl  
Concen: 97.626 ng  
RT: 9.33 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: BF110053.D  
Acq: 22 Oct 2018 17:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1716828  
Ion Ratio Lower Upper  
172 100  
171 36.8 28.6 43.0  
170 24.4 19.7 29.5

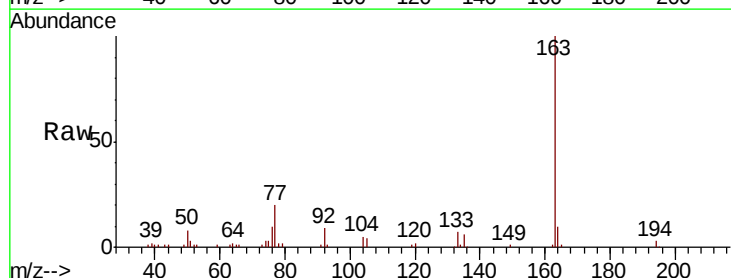


Abundance Ion 172.00 (171.70 to 172.70): E  
2500000 Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

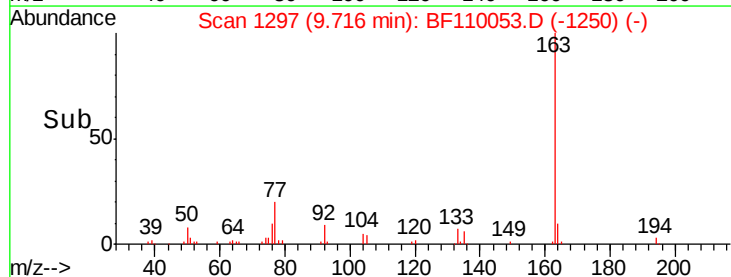
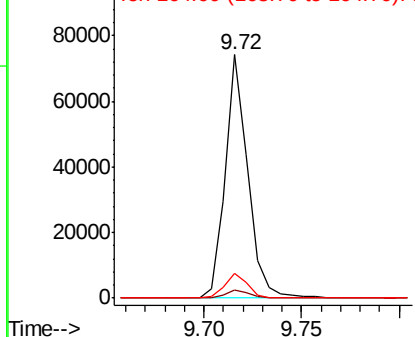


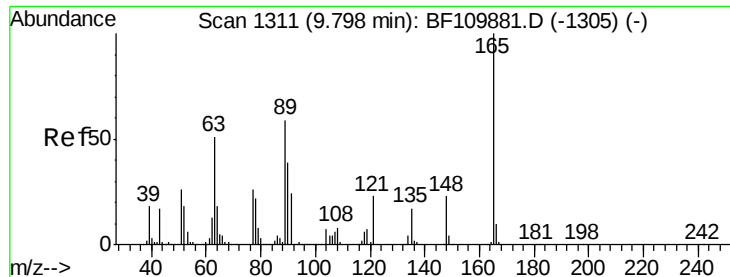
#50  
Dimethylphthalate  
Concen: 2.984 ng  
RT: 9.72 min Scan# 1297  
Delta R.T. -0.02 min  
Lab File: BF110053.D  
Acq: 22 Oct 2018 17:10

Tgt Ion:163 Resp: 59287  
Ion Ratio Lower Upper  
163 100  
194 3.4 3.2 4.8  
164 10.0 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E  
100000 Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 9.474 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF110053.D

Acq: 22 Oct 2018 17:10

Instrument :

BNA\_F

ClientSampleId :

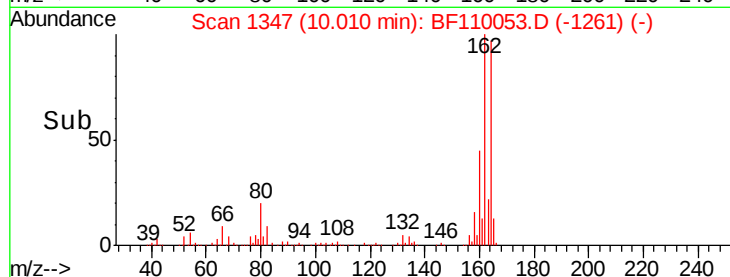
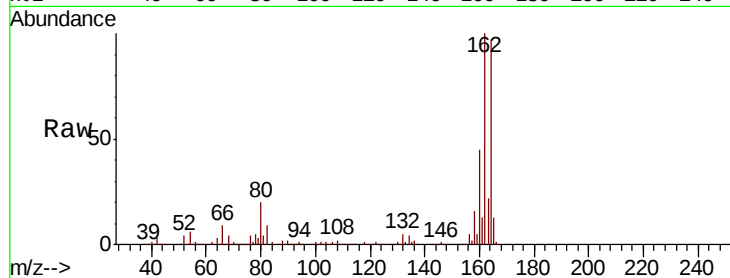
Tot Ion:165 Resp: 35754

Ion Ratio Lower Upper

165 100

63 1.4 48.9 73.3#

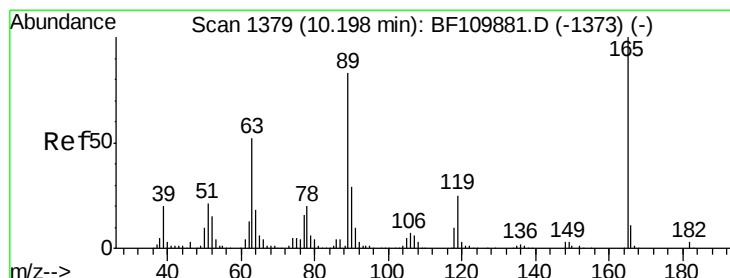
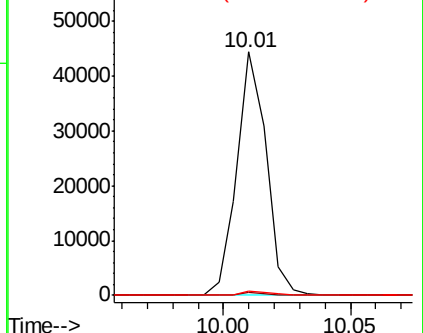
89 1.8 46.6 69.8#



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: 11.367 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110053.D

Acq: 22 Oct 2018 17:10

Tgt Ion:165 Resp: 35754

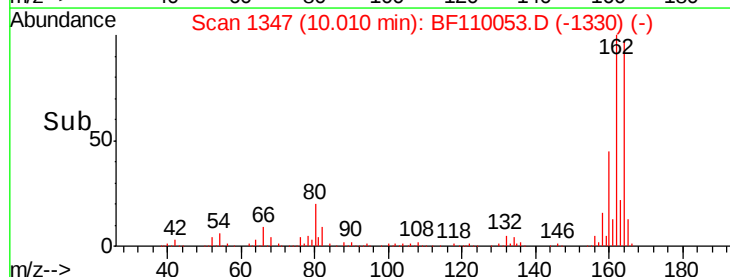
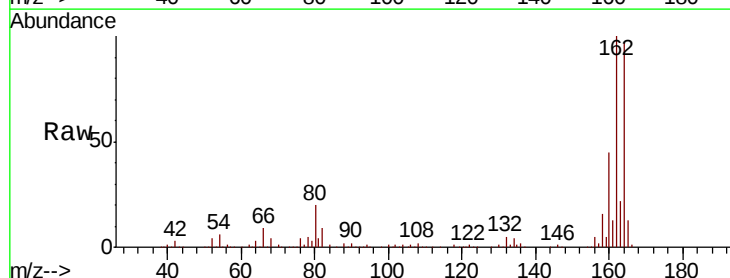
Ion Ratio Lower Upper

165 100

63 1.4 44.8 67.2#

89 1.8 62.2 93.4#

182 0.0 2.1 3.1#

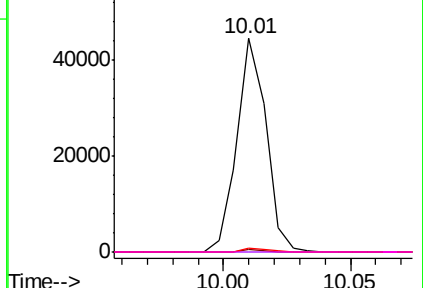


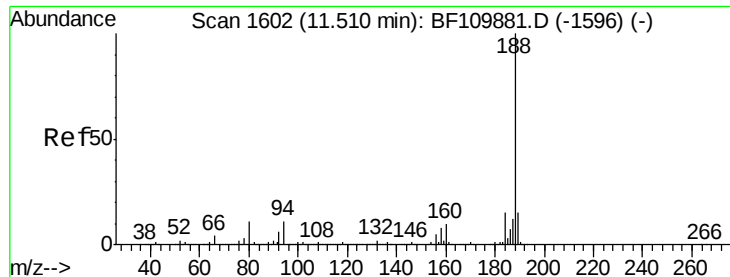
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110053.D

Acq: 22 Oct 2018 17:10

Instrument :

BNA\_F

ClientSampleId :

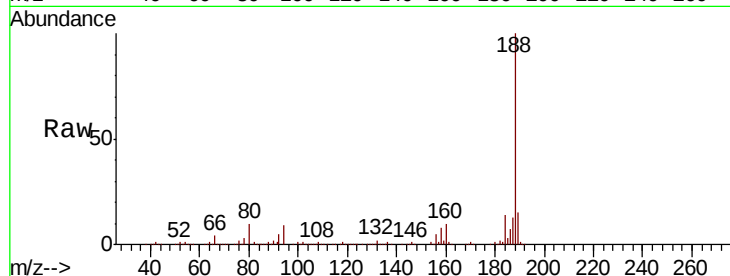
Tot Ion:188 Resp: 454462

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

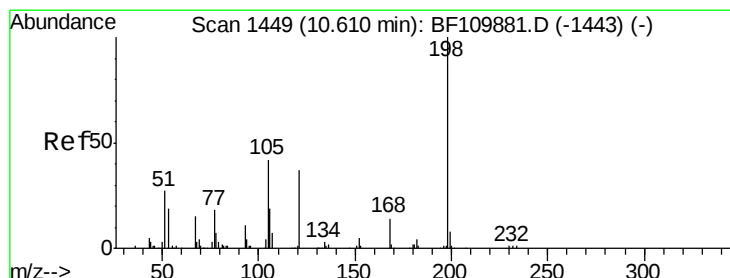
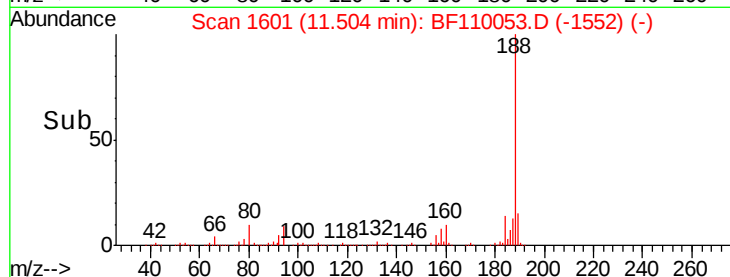
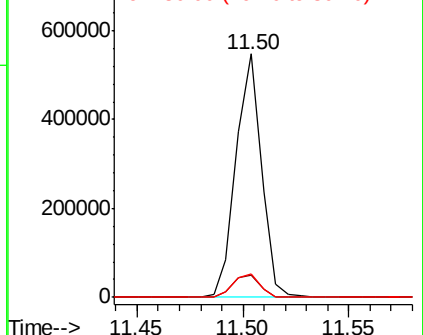
80 9.7 7.9 11.9



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.089 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.18 min

Lab File: BF110053.D

Acq: 22 Oct 2018 17:10

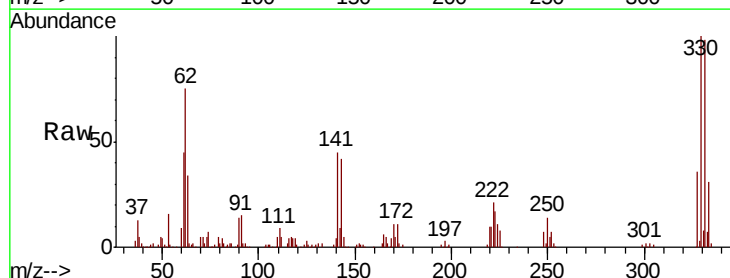
Tgt Ion:198 Resp: 363

Ion Ratio Lower Upper

198 100

51 258.6 22.8 62.8#

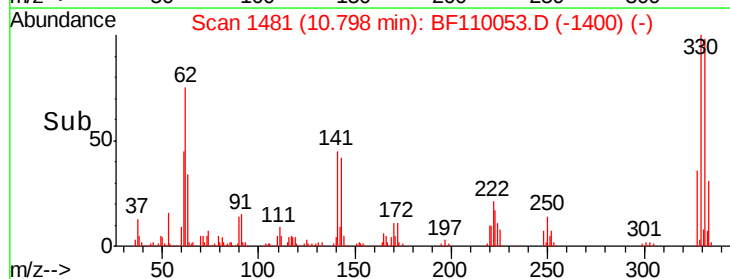
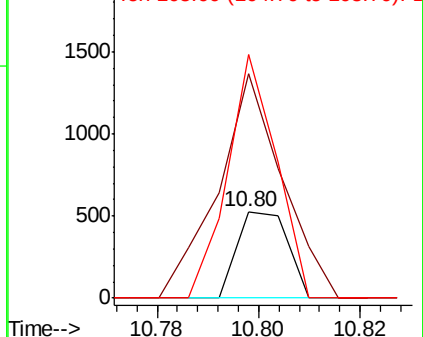
105 280.3 23.6 63.6#

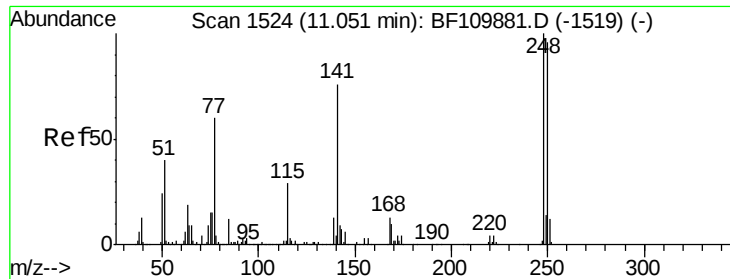


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

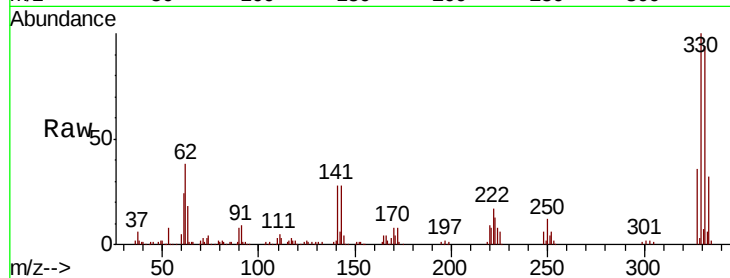




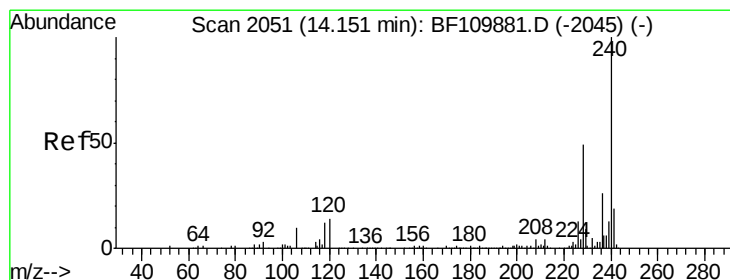
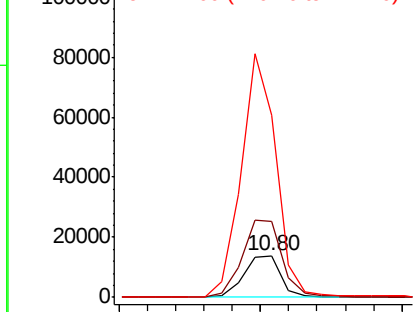
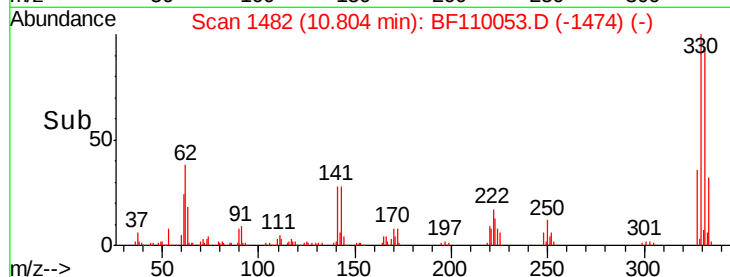
#67  
4-Bromophenyl-phenylether  
Concen: 2.521 ng  
RT: 10.80 min Scan# 1482  
Delta R.T. -0.25 min  
Lab File: BF110053.D  
Acq: 22 Oct 2018 17:10

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 12418  
Ion Ratio Lower Upper  
248 100  
250 183.1 79.4 119.2#  
141 436.7 55.9 83.9#

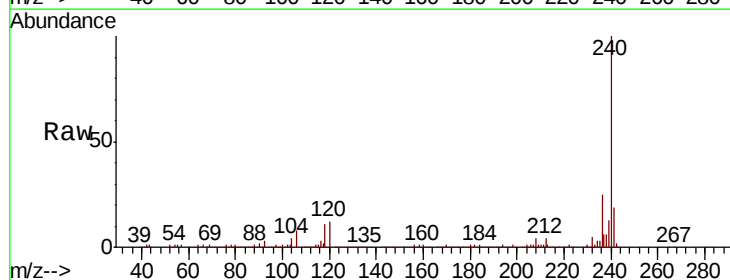


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

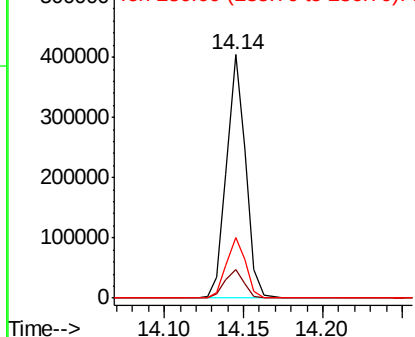
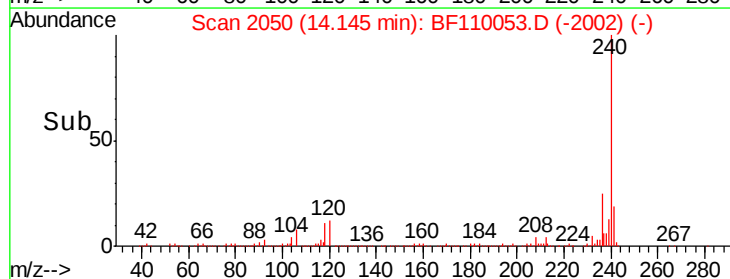


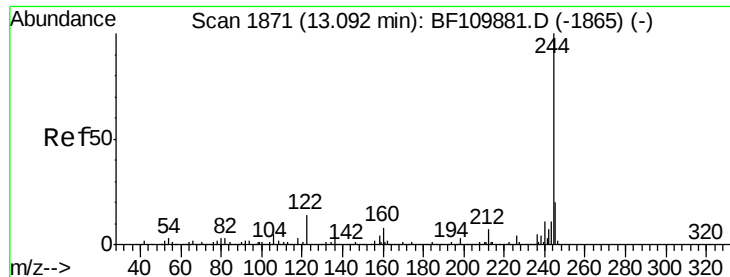
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.14 min Scan# 2050  
Delta R.T. -0.02 min  
Lab File: BF110053.D  
Acq: 22 Oct 2018 17:10

Tgt Ion:240 Resp: 335938  
Ion Ratio Lower Upper  
240 100  
120 11.7 8.3 12.5  
236 25.0 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

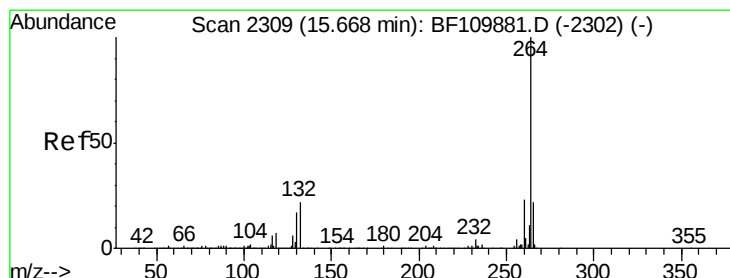
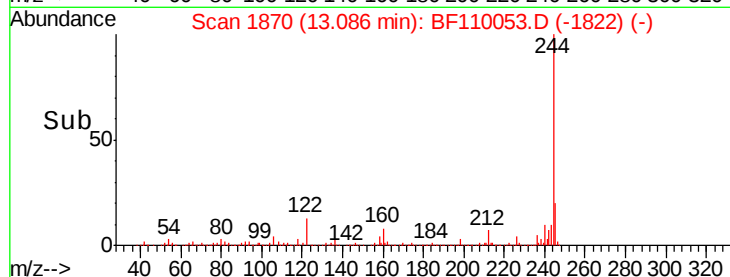
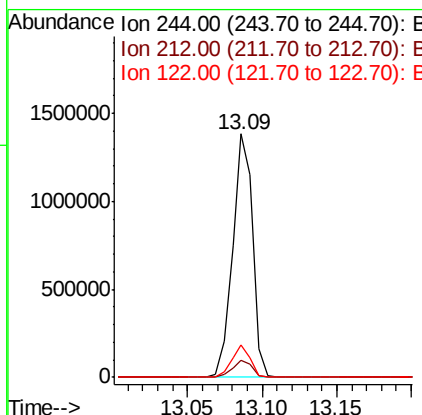
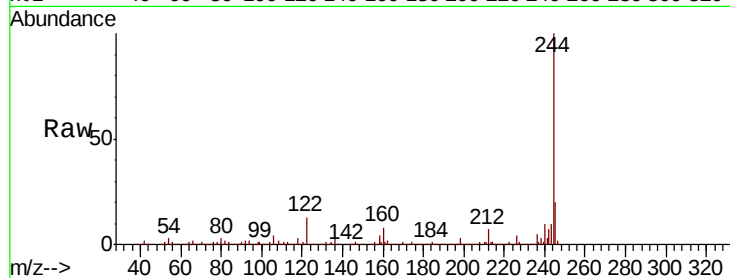




#79  
 Terphenyl-d14  
 Concen: 81.369 ng  
 RT: 13.09 min Scan# 1870  
 Delta R.T. -0.02 min  
 Lab File: BF110053.D  
 Acq: 22 Oct 2018 17:10

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 1301705  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.8 8.8  
 122 13.4 8.7 13.1#



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.67 min Scan# 2309  
 Delta R.T. -0.02 min  
 Lab File: BF110053.D  
 Acq: 22 Oct 2018 17:10

Tgt Ion:264 Resp: 252863  
 Ion Ratio Lower Upper  
 264 100  
 260 22.4 18.7 28.1  
 265 21.8 16.7 25.1

