

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\  
 Data File : BF111150.D  
 Acq On : 6 Dec 2018 20:49  
 Operator : JU/SJ  
 Sample : J6204-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 06 21:54:53 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 05 17:30:55 2018  
 Response via : Initial Calibration

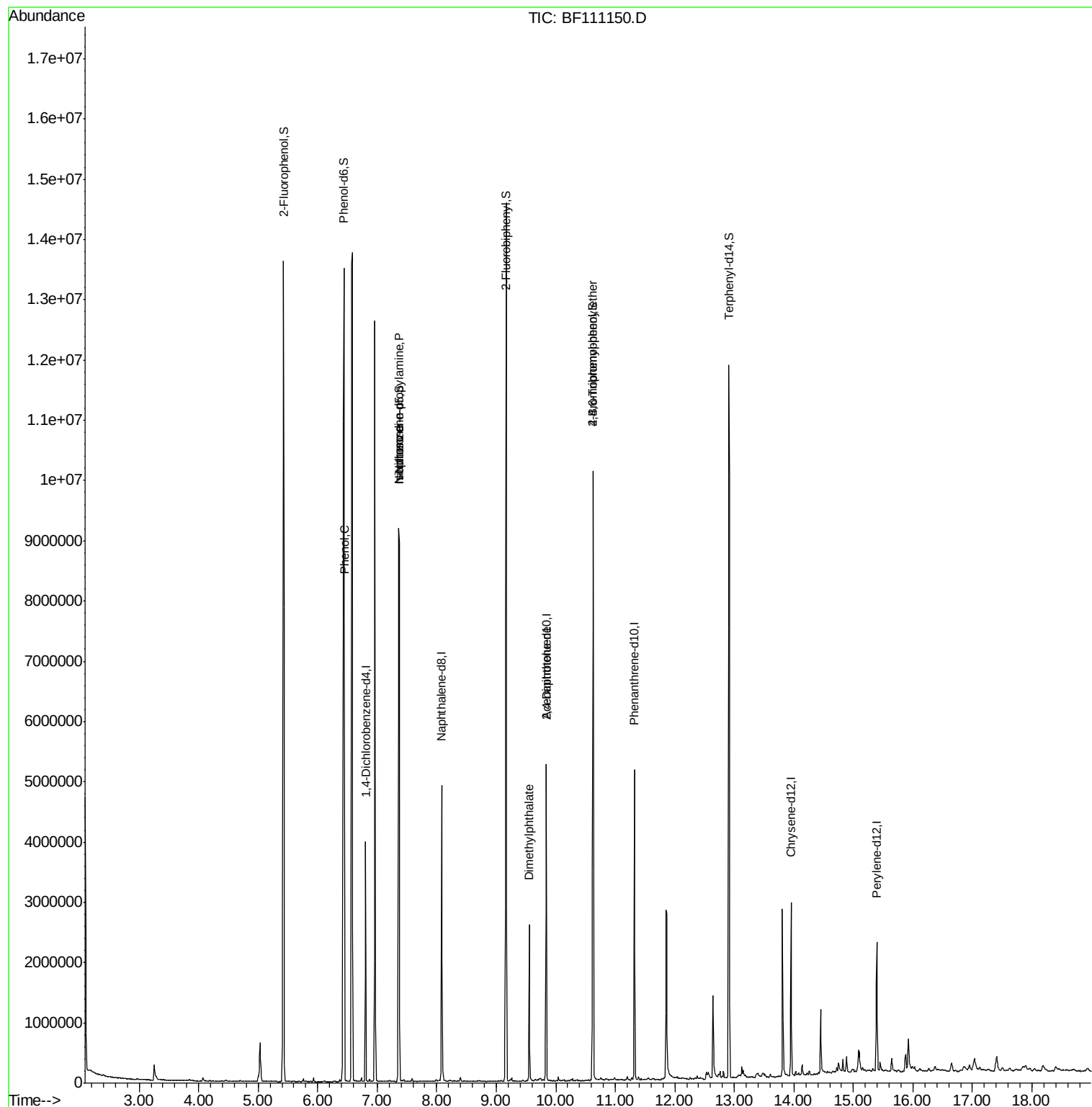
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|-----------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.80  | 152  | 501320   | 20.00     | ng    | 0.00       |
| 21) Naphthalene-d8             | 8.09  | 136  | 1997466  | 20.00     | ng    | 0.00       |
| 39) Acenaphthene-d10           | 9.84  | 164  | 954824   | 20.00     | ng    | 0.00       |
| 64) Phenanthrene-d10           | 11.32 | 188  | 1634183  | 20.00     | ng    | 0.00       |
| 76) Chrysene-d12               | 13.96 | 240  | 964160   | 20.00     | ng    | 0.00       |
| 87) Perylene-d12               | 15.39 | 264  | 954426   | 20.00     | ng    | 0.01       |
| System Monitoring Compounds    |       |      |          |           |       |            |
| 5) 2-Fluorophenol              | 5.43  | 112  | 3976286  | 123.77    | ng    | 0.01       |
| 7) Phenol-d6                   | 6.44  | 99   | 4997580  | 120.76    | ng    | 0.00       |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 3283838  | 97.33     | ng    | 0.00       |
| 42) 2,4,6-Tribromophenol       | 10.63 | 330  | 1065094  | 140.33    | ng    | 0.00       |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 4663708  | 91.51     | ng    | 0.00       |
| 79) Terphenyl-d14              | 12.91 | 244  | 3909746  | 83.05     | ng    | 0.00       |
| Target Compounds               |       |      |          |           |       |            |
| 9) Benzaldehyde                | 6.45  | 77   | 11144    | Below Cal |       | Qvalue # 2 |
| 10) Phenol                     | 6.45  | 94   | 330329   | 7.320     | ng    | 90         |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 460653   | 16.563    | ng    | # 75       |
| 25) Isophorone                 | 7.36  | 82   | 3268354  | 52.785    | ng    | # 65       |
| 50) Dimethylphthalate          | 9.56  | 163  | 946790   | 14.248    | ng    | 97         |
| 57) 2,4-Dinitrotoluene         | 9.84  | 165  | 121916   | 6.700     | ng    | # 23       |
| 67) 4-Bromophenyl-phenylether  | 10.63 | 248  | 71448    | 4.130     | ng    | # 1        |

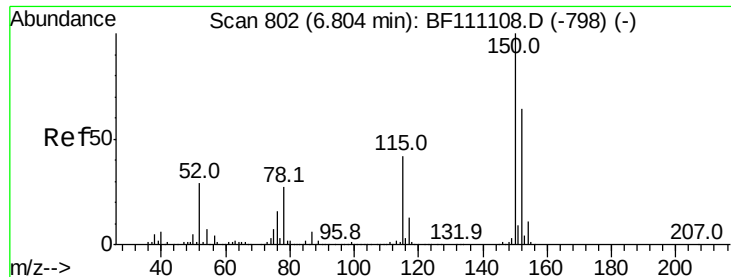
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J6204-06  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :

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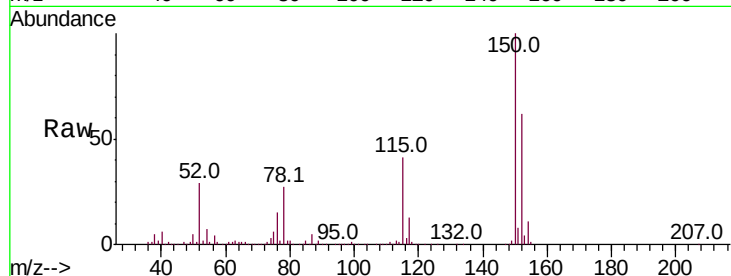


#1

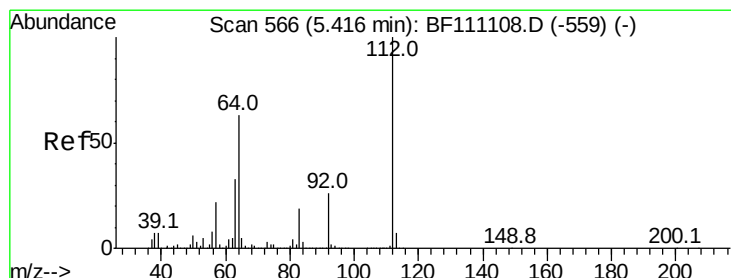
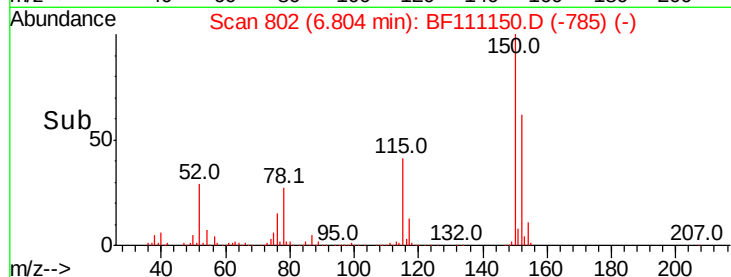
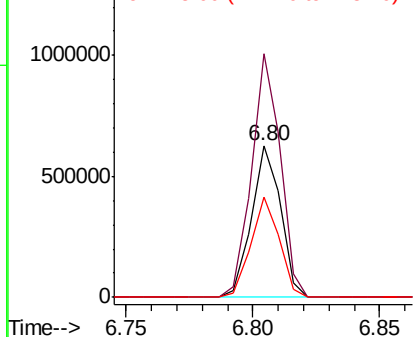
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: BF111150.D  
Acq: 6 Dec 2018 20:49

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 501320  
Ion Ratio Lower Upper  
152 100  
150 160.1 124.6 187.0  
115 65.9 52.2 78.2



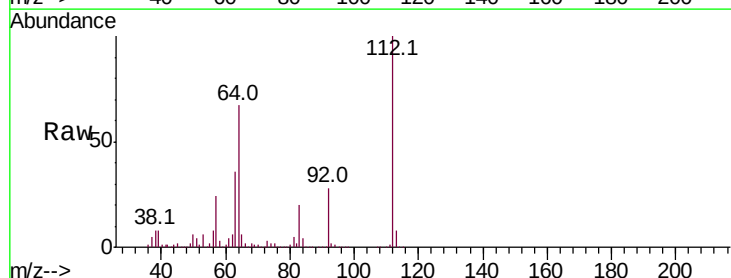
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



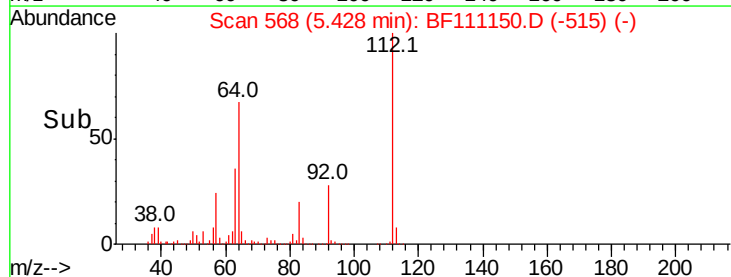
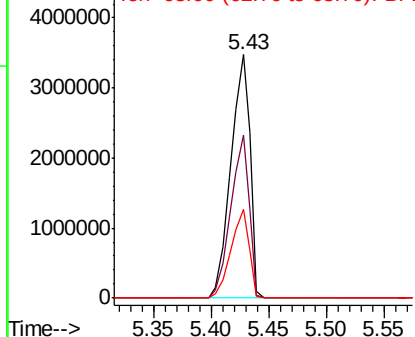
#5

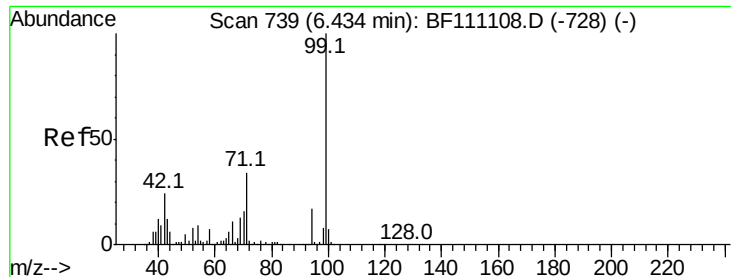
2-Fluorophenol  
Concen: 123.770 ng  
RT: 5.43 min Scan# 568  
Delta R.T. 0.01 min  
Lab File: BF111150.D  
Acq: 6 Dec 2018 20:49

Tgt Ion:112 Resp: 3976286  
Ion Ratio Lower Upper  
112 100  
64 66.8 50.2 75.4  
63 36.5 26.6 39.8



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: 120.760 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111150.D

Acq: 6 Dec 2018 20:49

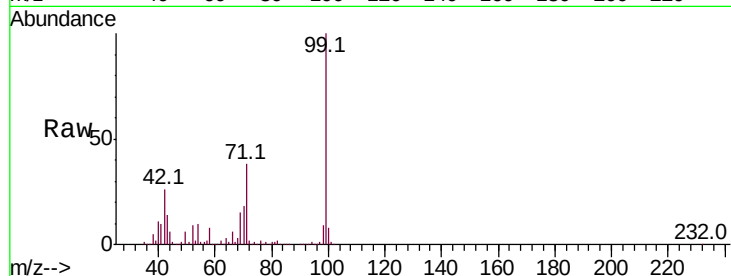
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 4997580

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 26.5  | 19.3  | 28.9  |
| 71  | 38.5  | 27.4  | 41.2  |

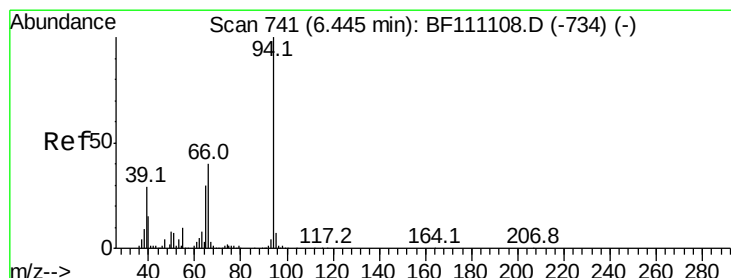
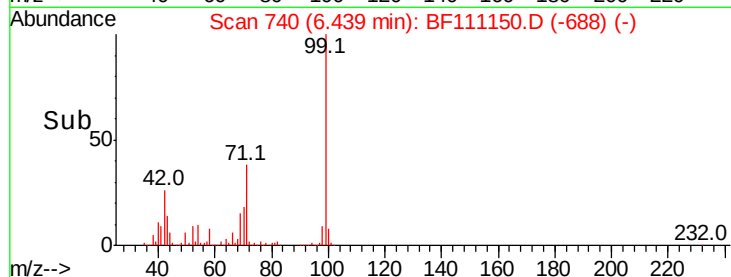
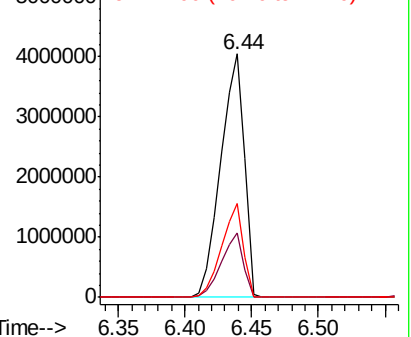


Abundance

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: 7.320 ng

RT: 6.45 min Scan# 742

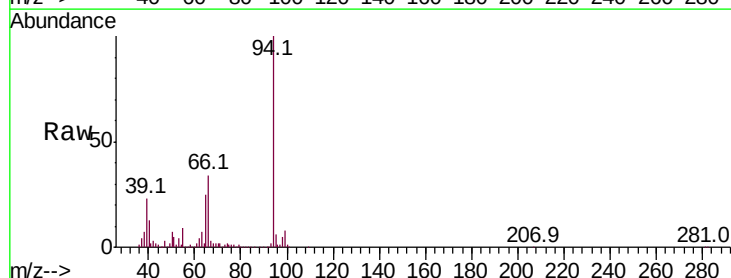
Delta R.T. 0.01 min

Lab File: BF111150.D

Acq: 6 Dec 2018 20:49

Tgt Ion: 94 Resp: 330329

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 25.3  | 10.5  | 50.5  |
| 66  | 33.6  | 19.8  | 59.8  |

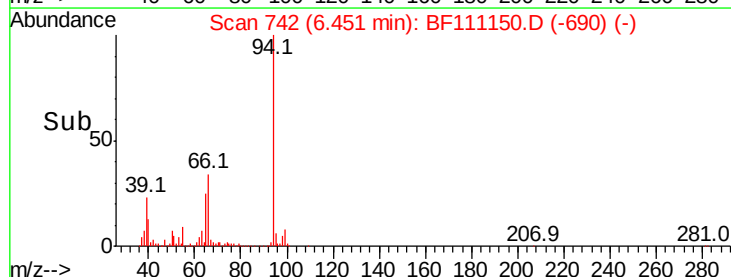
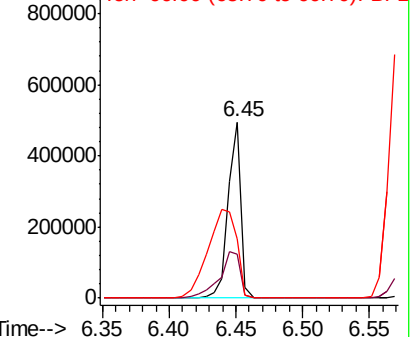


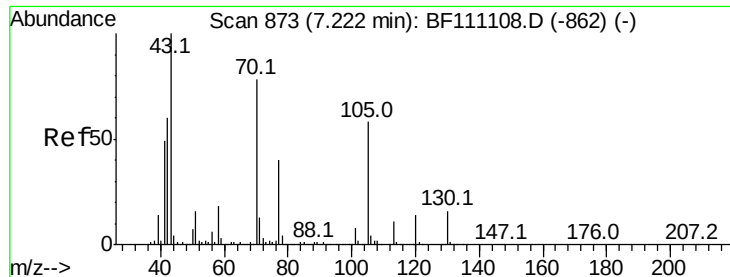
Abundance

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

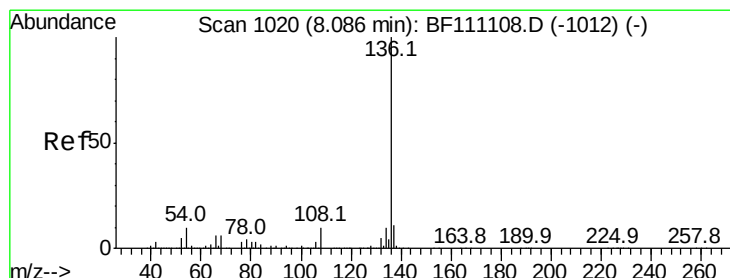
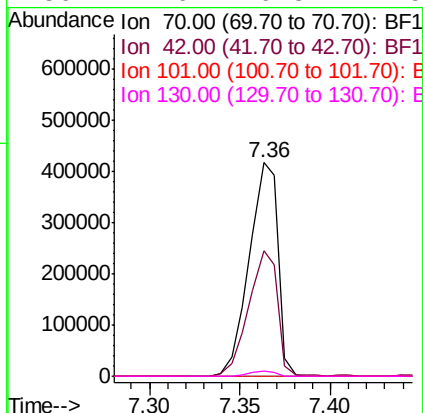
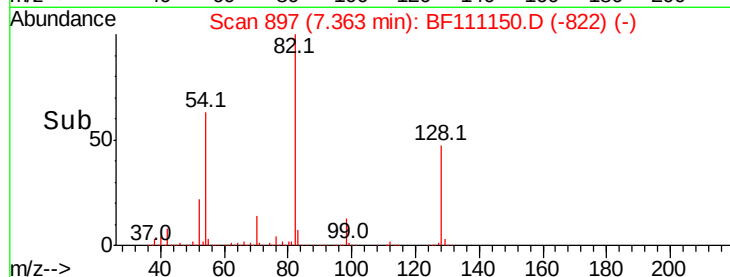
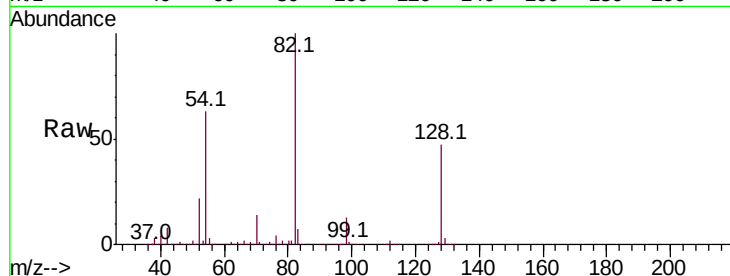




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.563 ng  
RT: 7.36 min Scan# 897  
Delta R.T. 0.14 min  
Lab File: BF111150.D  
Acq: 6 Dec 2018 20:49

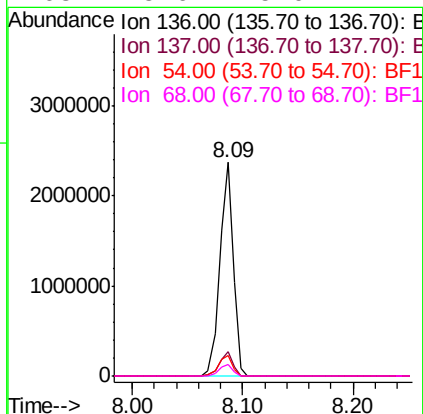
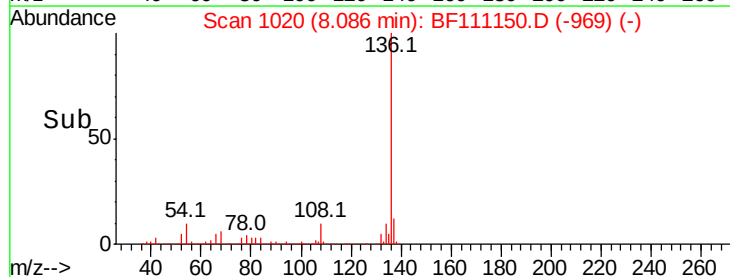
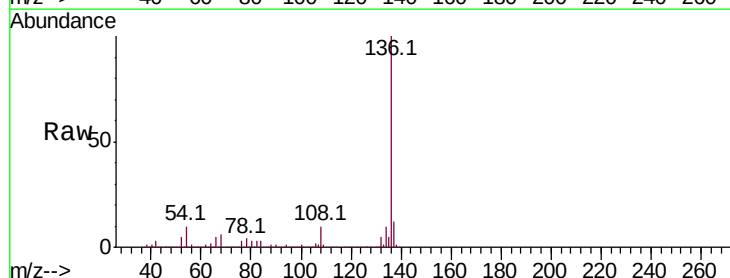
Instrument :  
BNA\_F  
ClientSampleId :

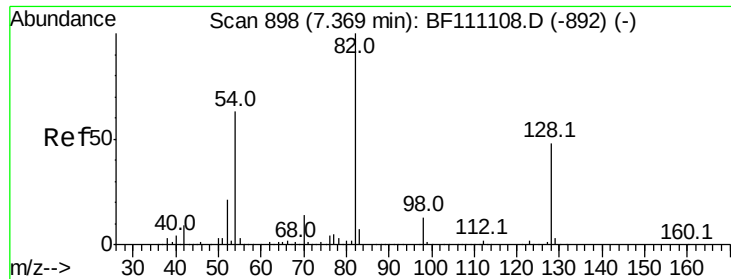
Tot Ion: 70 Resp: 460653  
Ion Ratio Lower Upper  
70 100  
42 58.5 61.3 91.9#  
101 0.1 7.7 11.5#  
130 2.6 16.3 24.5#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: BF111150.D  
Acq: 6 Dec 2018 20:49

Tgt Ion:136 Resp: 1997466  
Ion Ratio Lower Upper  
136 100  
137 11.5 9.0 13.6  
54 9.7 8.4 12.6  
68 5.6 5.0 7.4

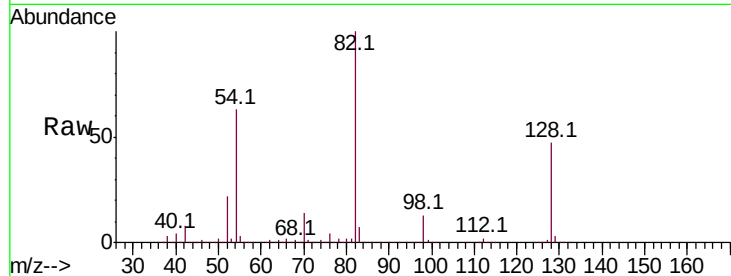




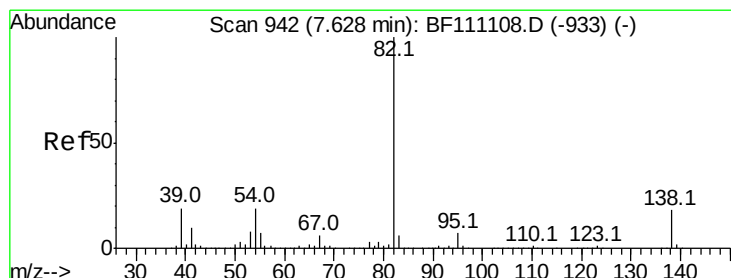
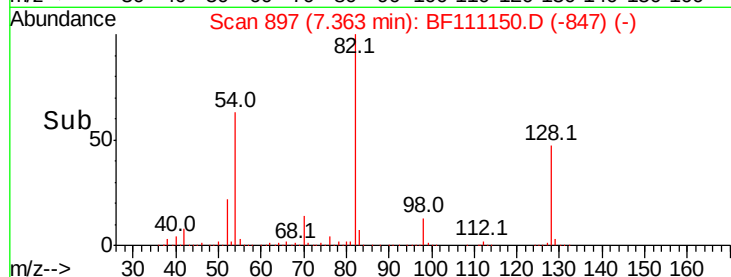
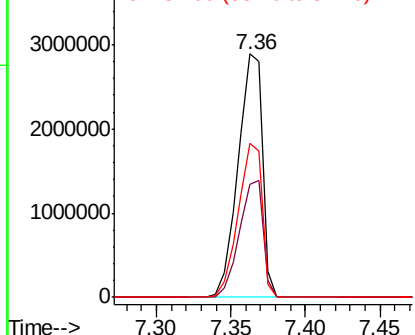
#23  
Nitrobenzene-d5  
Concen: 97.331 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF111150.D  
Acq: 6 Dec 2018 20:49

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 3283838  
Ion Ratio Lower Upper  
82 100  
128 46.5 38.1 57.1  
54 63.2 50.3 75.5

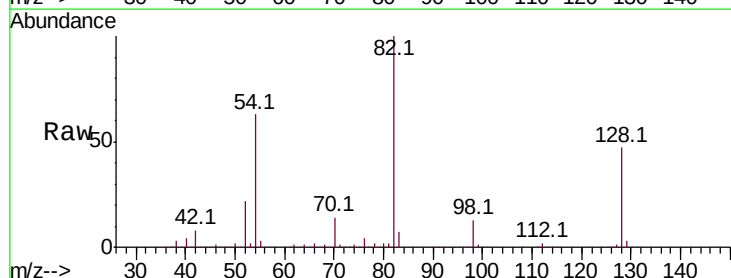


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

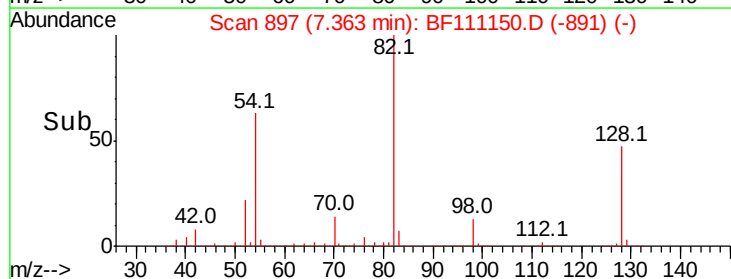
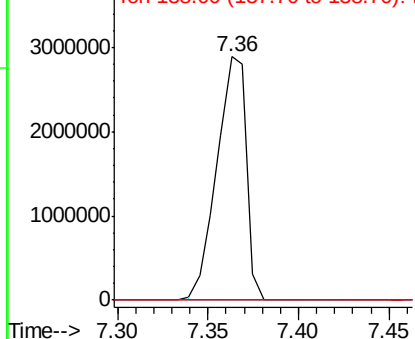


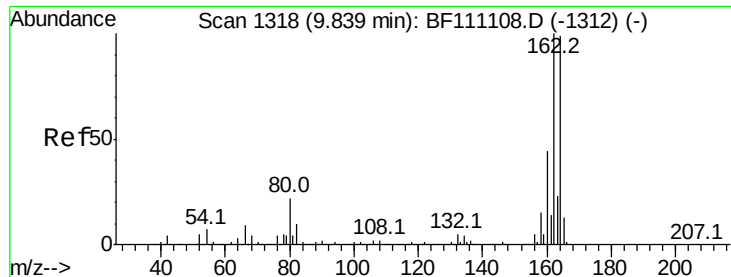
#25  
Isophorone  
Concen: 52.785 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.26 min  
Lab File: BF111150.D  
Acq: 6 Dec 2018 20:49

Tgt Ion: 82 Resp: 3268354  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 14.6 22.0#



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

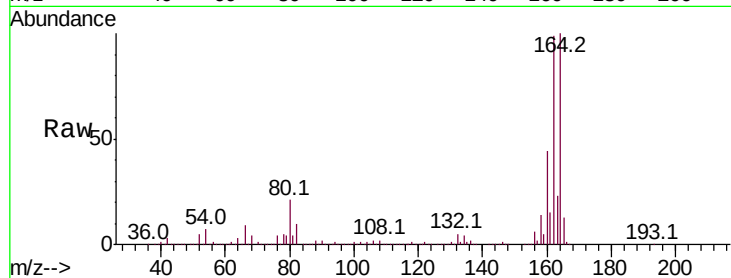




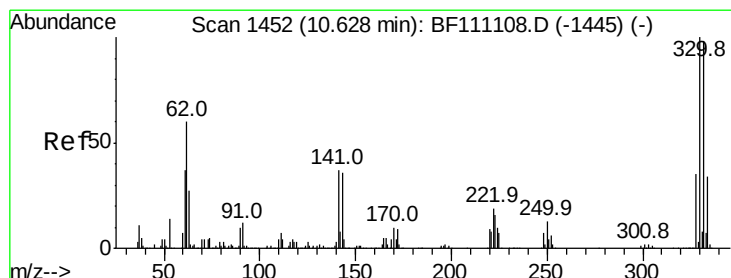
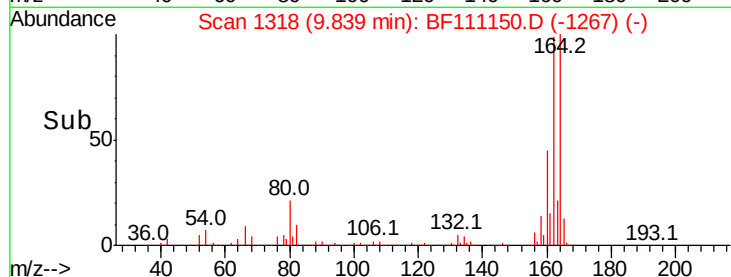
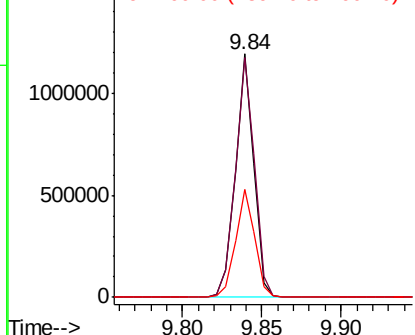
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.84 min Scan# 1318  
Delta R.T. -0.00 min  
Lab File: BF111150.D  
Acq: 6 Dec 2018 20:49

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 954824  
Ion Ratio Lower Upper  
164 100  
162 98.5 80.6 120.8  
160 44.5 35.5 53.3

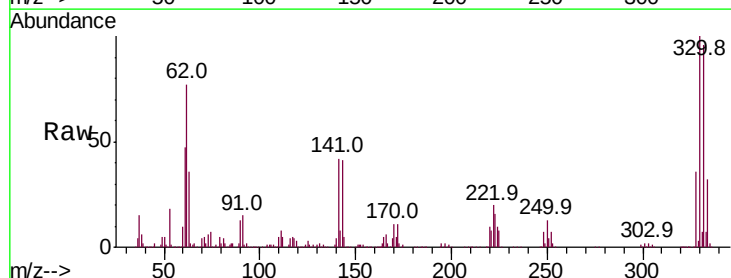


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

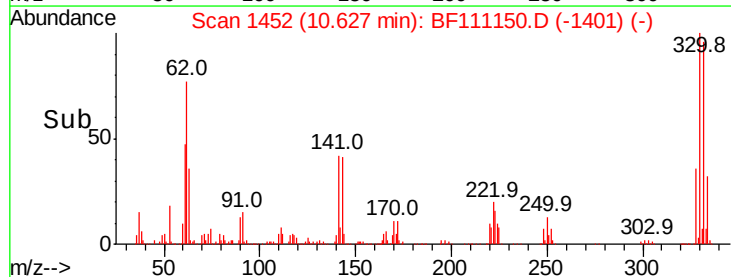
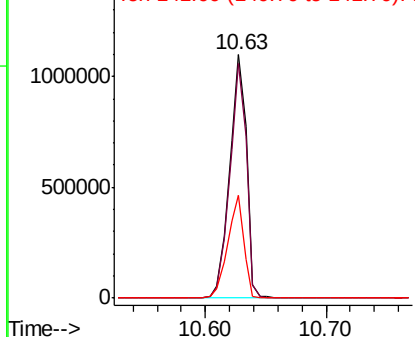


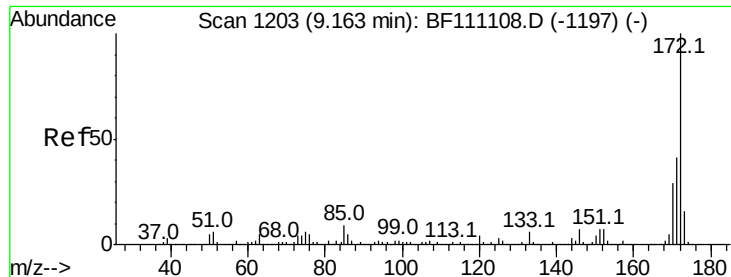
#42  
2,4,6-Tribromophenol  
Concen: 140.333 ng  
RT: 10.63 min Scan# 1452  
Delta R.T. -0.00 min  
Lab File: BF111150.D  
Acq: 6 Dec 2018 20:49

Tgt Ion:330 Resp: 1065094  
Ion Ratio Lower Upper  
330 100  
332 95.1 77.2 115.8  
141 40.7 36.1 54.1



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

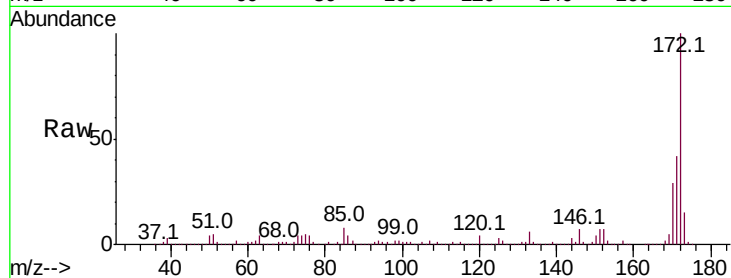




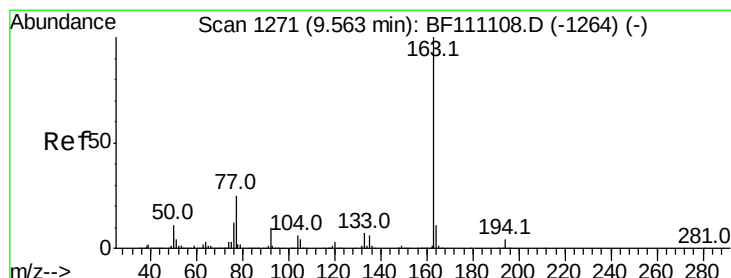
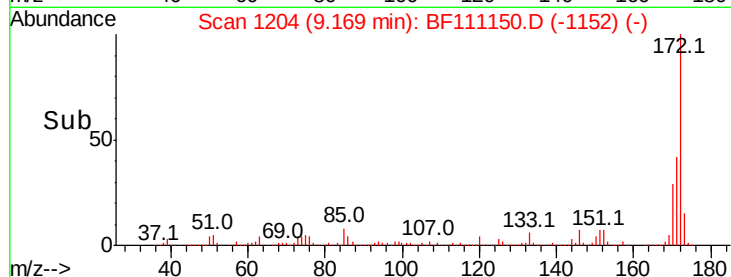
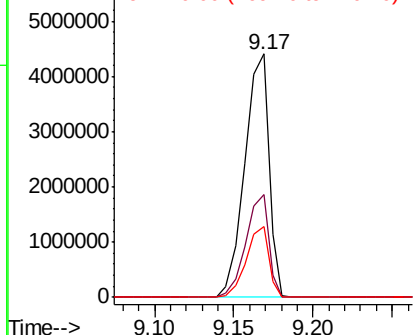
#45  
2-Fluorobiphenyl  
Concen: 91.514 ng  
RT: 9.17 min Scan# 1204  
Delta R.T. 0.01 min  
Lab File: BF111150.D  
Acq: 6 Dec 2018 20:49

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:172 Resp: 4663708  
Ion Ratio Lower Upper  
172 100  
171 42.3 33.2 49.8  
170 29.0 22.9 34.3

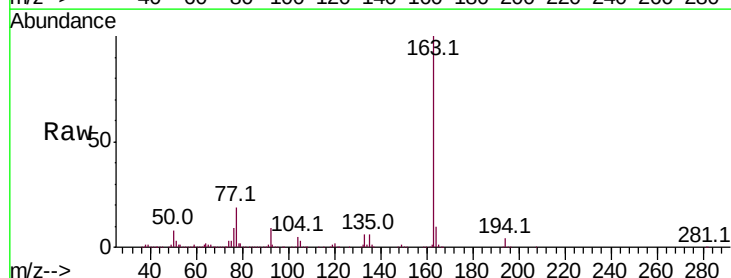


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

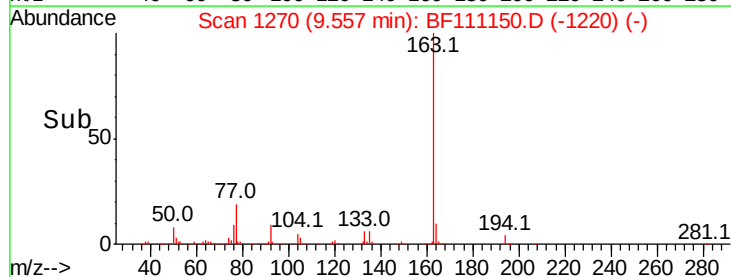
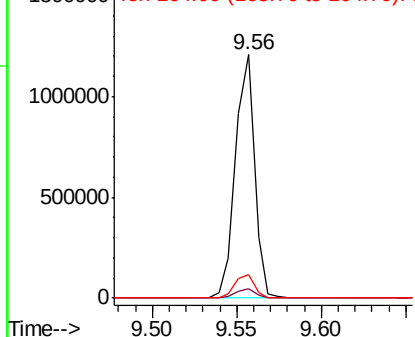


#50  
Dimethylphthalate  
Concen: 14.248 ng  
RT: 9.56 min Scan# 1270  
Delta R.T. -0.01 min  
Lab File: BF111150.D  
Acq: 6 Dec 2018 20:49

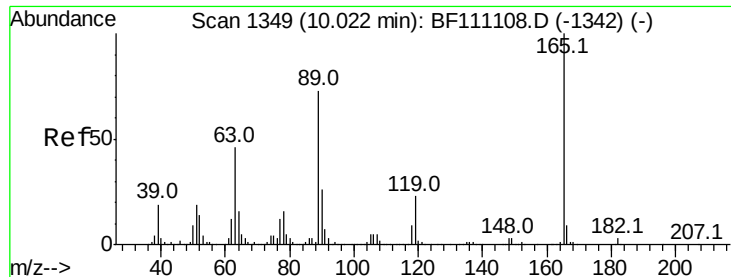
Tgt Ion:163 Resp: 946790  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.0 4.4  
164 9.7 8.9 13.3



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



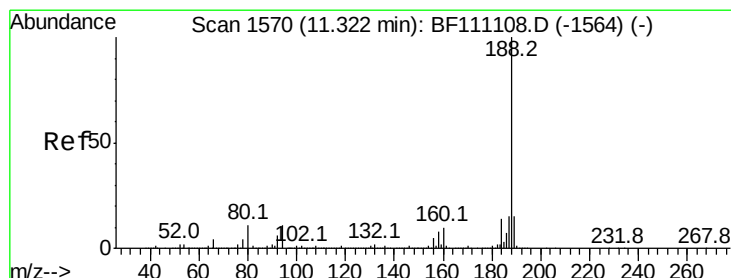
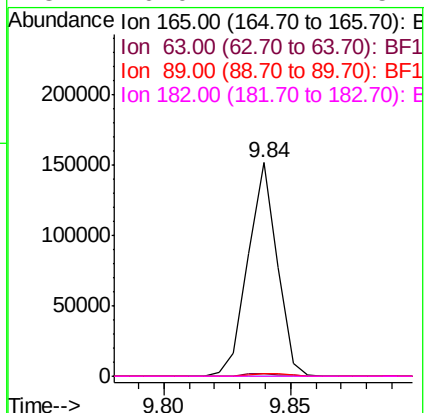
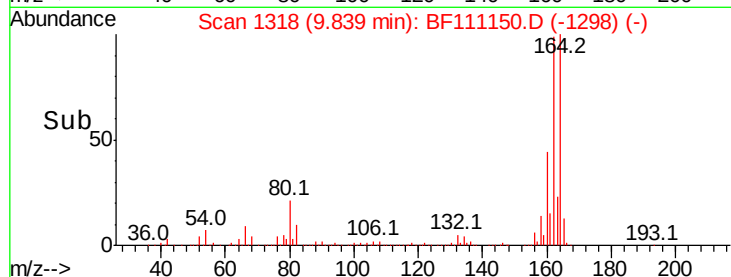
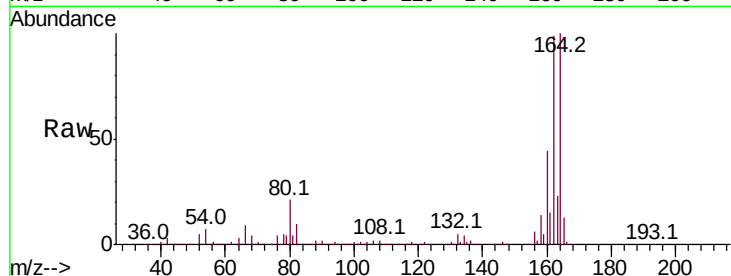




#57  
 2,4-Dinitrotoluene  
 Concen: 6.700 ng  
 RT: 9.84 min Scan# 1318  
 Delta R.T. -0.18 min  
 Lab File: BF111150.D  
 Acq: 6 Dec 2018 20:49

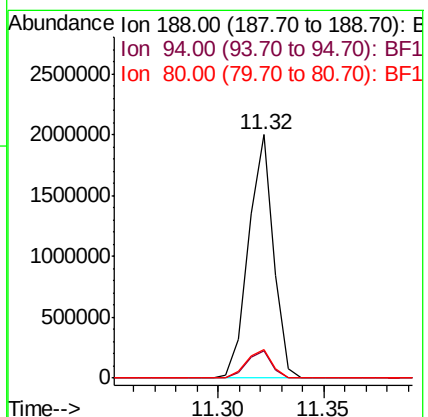
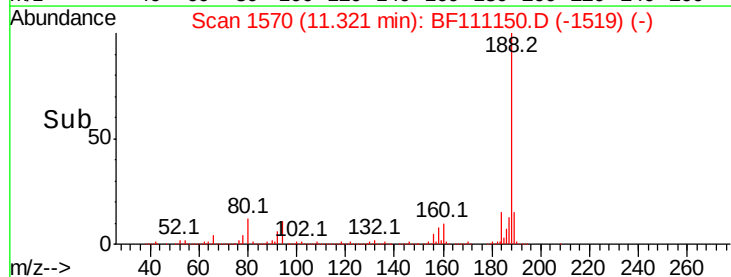
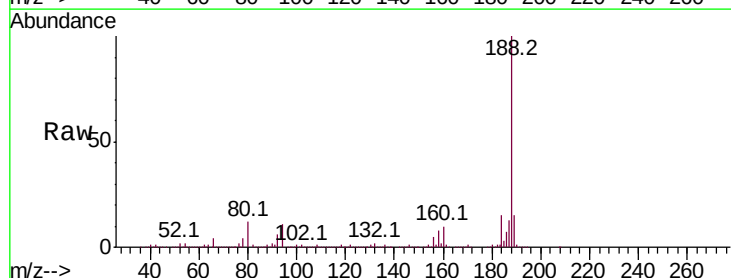
Instrument :  
 BNA\_F  
 ClientSampleId :

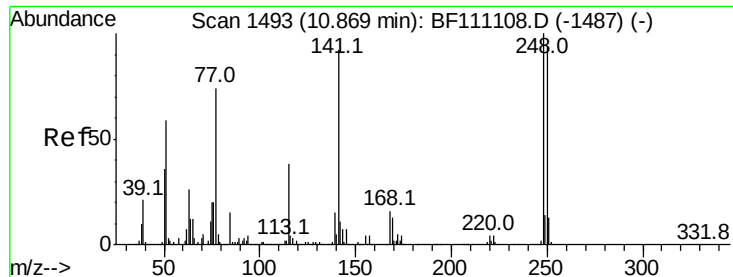
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 36.7  | 55.1# |
| 89      | 1.5   | 58.4  | 87.6# |
| 182     | 0.0   | 2.1   | 3.1#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.32 min Scan# 1570  
 Delta R.T. -0.00 min  
 Lab File: BF111150.D  
 Acq: 6 Dec 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.1  | 8.5   | 12.7  |
| 80      | 11.5  | 9.0   | 13.6  |





#67

4-Bromophenyl-phenylether

Concen: 4.130 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF111150.D

Acq: 6 Dec 2018 20:49

Instrument :

BNA\_F

ClientSampleId :

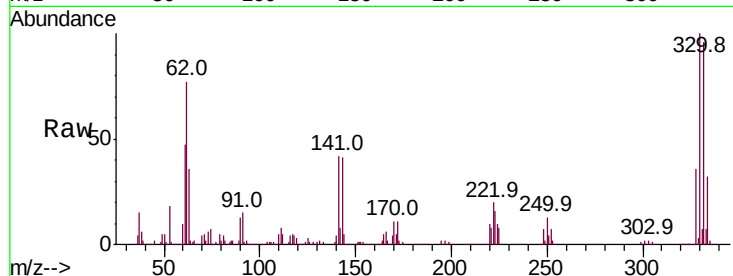
Tot Ion:248 Resp: 71448

Ion Ratio Lower Upper

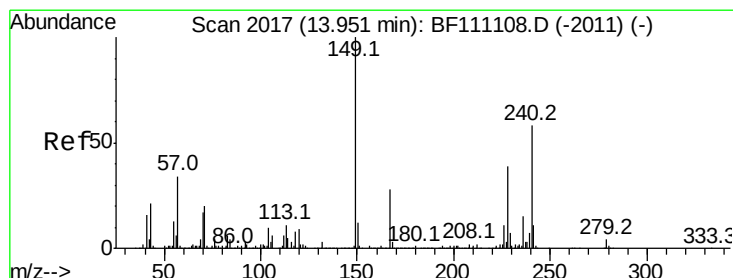
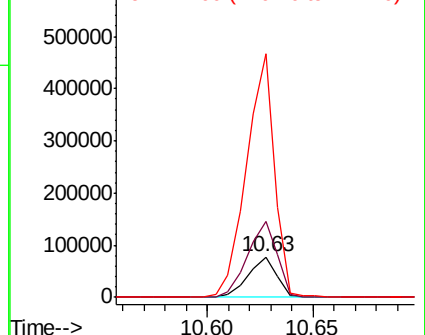
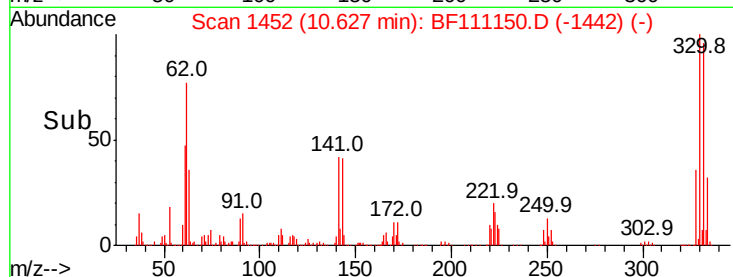
248 100

250 190.0 75.4 113.0#

141 604.6 73.8 110.6#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF111150.D

Acq: 6 Dec 2018 20:49

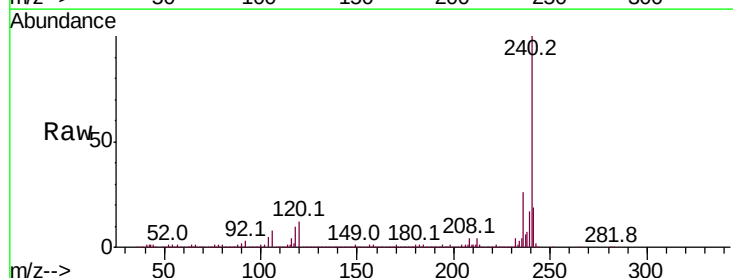
Tgt Ion:240 Resp: 964160

Ion Ratio Lower Upper

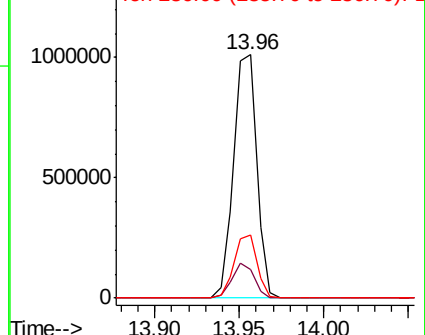
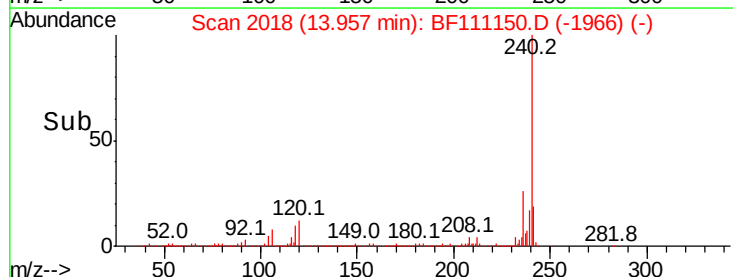
240 100

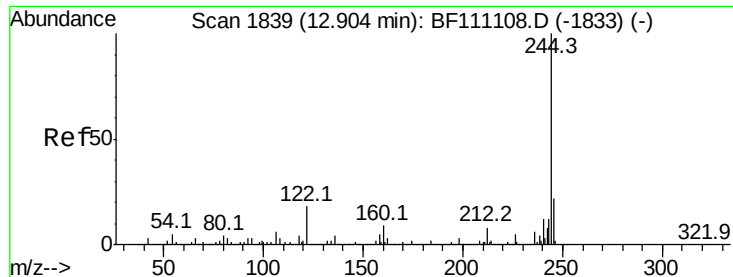
120 11.8 12.8 19.2#

236 25.8 21.1 31.7



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: 83.048 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111150.D

Acq: 6 Dec 2018 20:49

Instrument :

BNA\_F

ClientSampled :

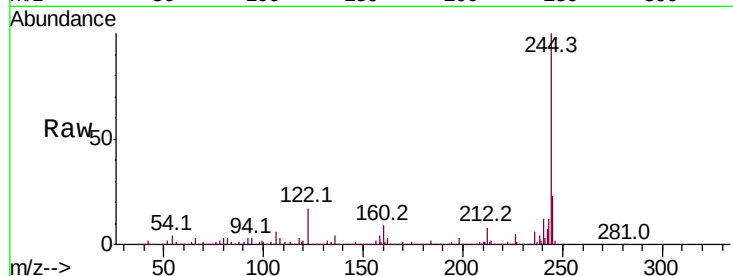
Tot Ion:244 Resp: 3909746

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.2   | 6.6   | 9.8   |
| 122 | 16.8  | 14.2  | 21.2  |

244 100

212 8.2 6.6 9.8

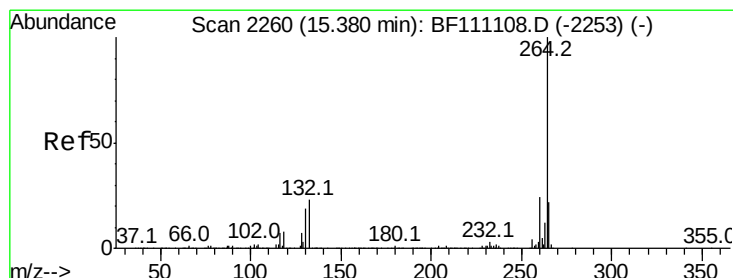
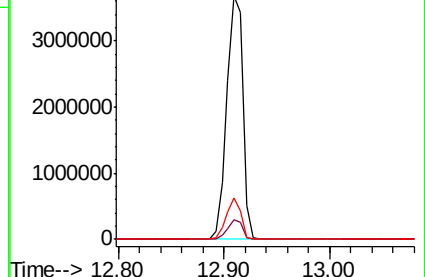
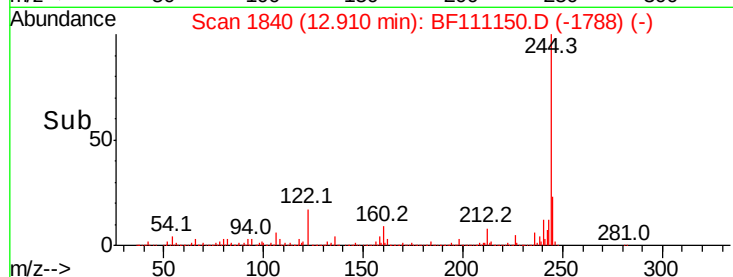
122 16.8 14.2 21.2



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: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111150.D

Acq: 6 Dec 2018 20:49

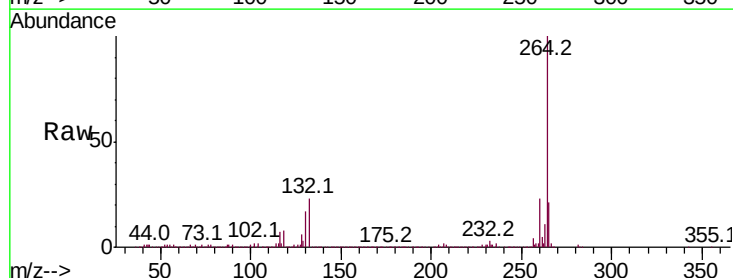
Tgt Ion:264 Resp: 954426

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.0  | 19.4  | 29.0  |
| 265 | 20.8  | 17.4  | 26.0  |

264 100

260 23.0 19.4 29.0

265 20.8 17.4 26.0



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

