

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\  
 Data File : BF112017.D  
 Acq On : 11 Jan 2019 16:07  
 Operator : JU/SJ  
 Sample : K1071-09RE  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 11 21:22:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 07 14:33:51 2019  
 Response via : Initial Calibration

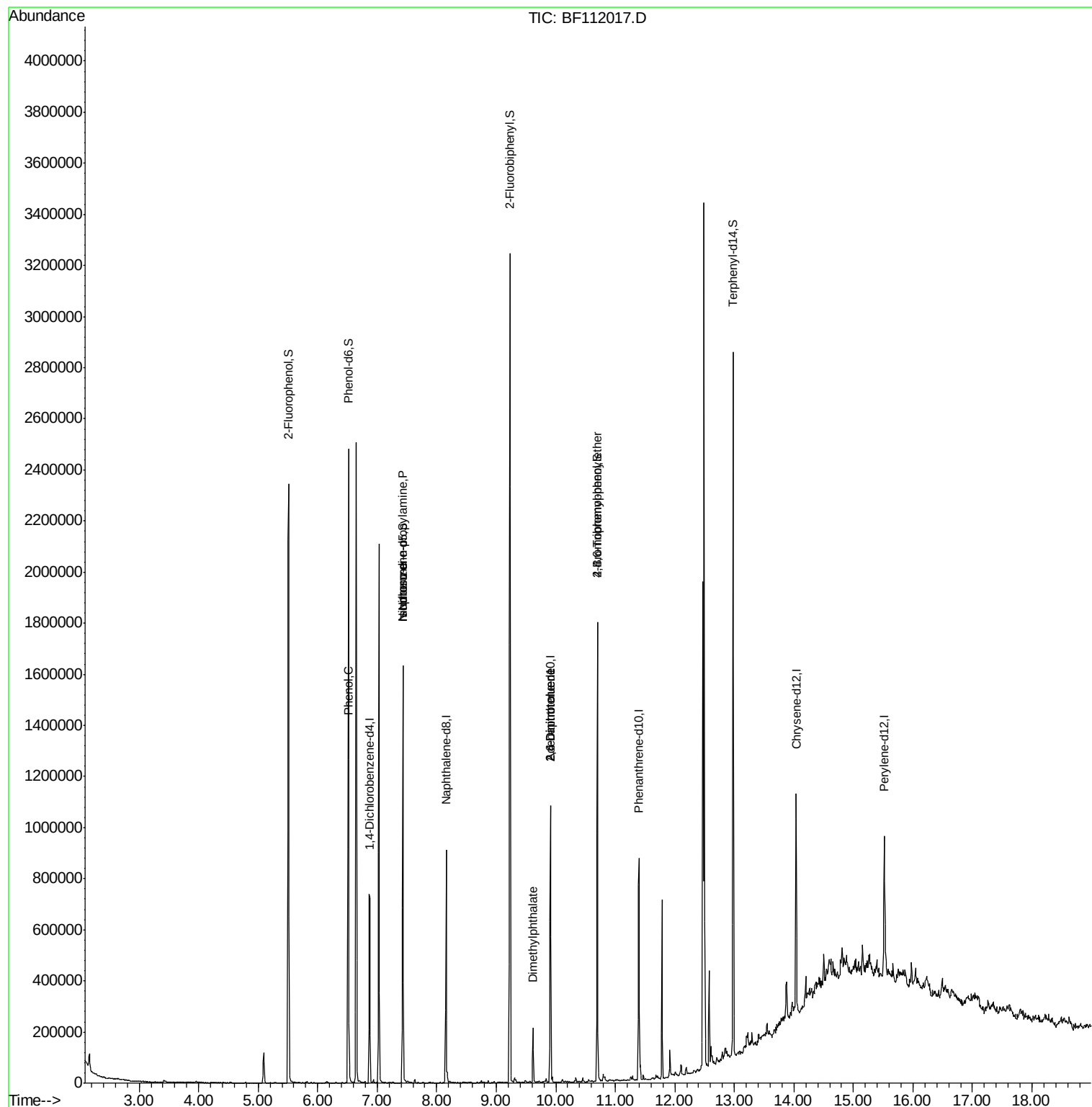
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.87  | 152  | 114341   | 20.00     | ng     | -0.02    |
| 21) Naphthalene-d8             | 8.16  | 136  | 419436   | 20.00     | ng     | -0.02    |
| 39) Acenaphthene-d10           | 9.91  | 164  | 196983   | 20.00     | ng     | -0.02    |
| 64) Phenanthrene-d10           | 11.40 | 188  | 318648   | 20.00     | ng     | -0.02    |
| 76) Chrysene-d12               | 14.04 | 240  | 293714   | 20.00     | ng     | -0.02    |
| 87) Perylene-d12               | 15.52 | 264  | 264963   | 20.00     | ng     | -0.01    |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 5) 2-Fluorophenol              | 5.51  | 112  | 641036   | 95.91     | ng     | -0.01    |
| 7) Phenol-d6                   | 6.52  | 99   | 824234   | 95.68     | ng     | -0.02    |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 521410   | 66.44     | ng     | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.70 | 330  | 215719   | 84.19     | ng     | -0.02    |
| 45) 2-Fluorobiphenyl           | 9.23  | 172  | 1002529  | 74.21     | ng     | -0.02    |
| 79) Terphenyl-d14              | 12.98 | 244  | 889241   | 57.47     | ng     | -0.02    |
| Target Compounds               |       |      |          |           |        |          |
| 9) Benzaldehyde                | 6.51  | 77   | 1704     | Below Cal | Qvalue | # 1      |
| 10) Phenol                     | 6.53  | 94   | 33015    | 3.526 ng  | #      | 75       |
| 19) n-Nitroso-di-n-propylamine | 7.43  | 70   | 69443    | 12.407 ng | #      | 76       |
| 25) Isophorone                 | 7.43  | 82   | 519398   | 40.871 ng | #      | 65       |
| 50) Dimethylphthalate          | 9.62  | 163  | 74088    | 5.007 ng  |        | 99       |
| 51) 2,6-Dinitrotoluene         | 9.91  | 165  | 25452    | 7.692 ng  | #      | 26       |
| 57) 2,4-Dinitrotoluene         | 9.91  | 165  | 25452    | 5.953 ng  | #      | 26       |
| 67) 4-Bromophenyl-phenylether  | 10.70 | 248  | 12583    | 3.049 ng  | #      | 1        |

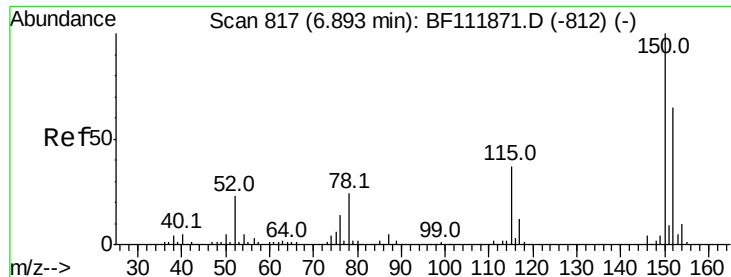
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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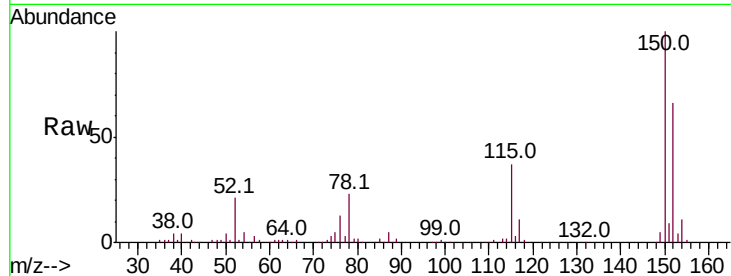


#1

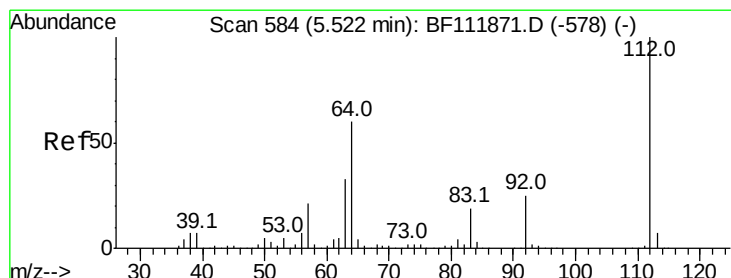
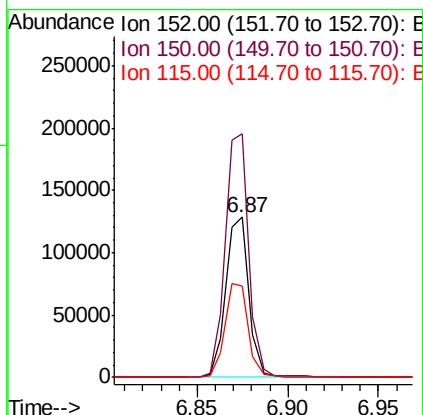
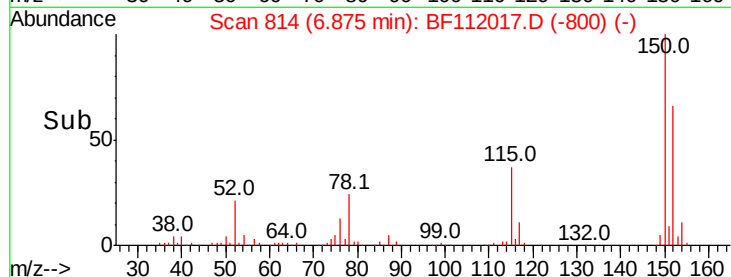
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 814  
Delta R.T. -0.02 min  
Lab File: BF112017.D  
Acq: 11 Jan 2019 16:07

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 114341  
Ion Ratio Lower Upper  
152 100  
150 152.3 122.7 184.1  
115 56.8 45.2 67.8



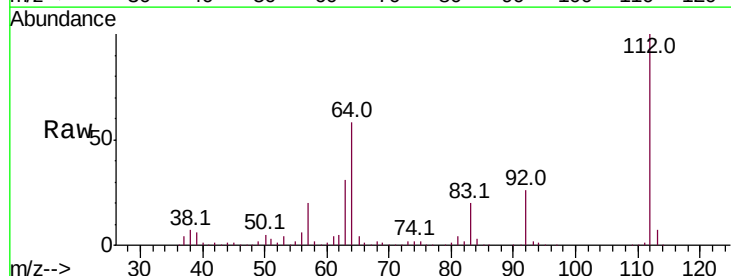
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



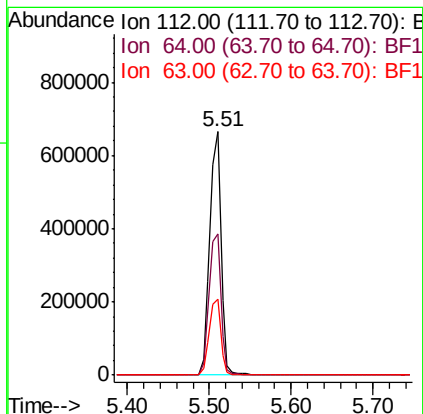
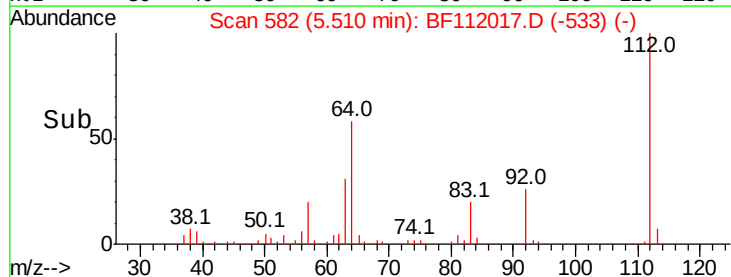
#5

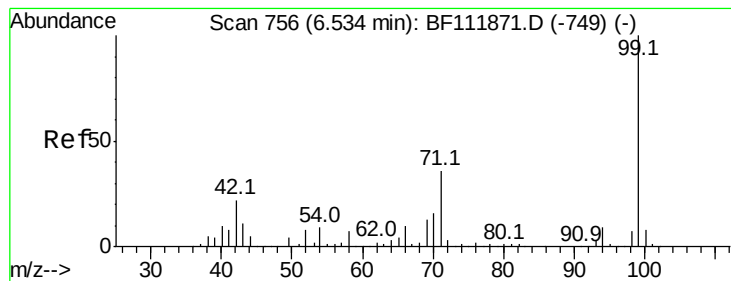
2-Fluorophenol  
Concen: 95.914 ng  
RT: 5.51 min Scan# 582  
Delta R.T. -0.01 min  
Lab File: BF112017.D  
Acq: 11 Jan 2019 16:07

Tgt Ion:112 Resp: 641036  
Ion Ratio Lower Upper  
112 100  
64 58.0 48.3 72.5  
63 31.4 26.1 39.1



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: 95.684 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF112017.D

Acq: 11 Jan 2019 16:07

Instrument :

BNA\_F

ClientSampleId :

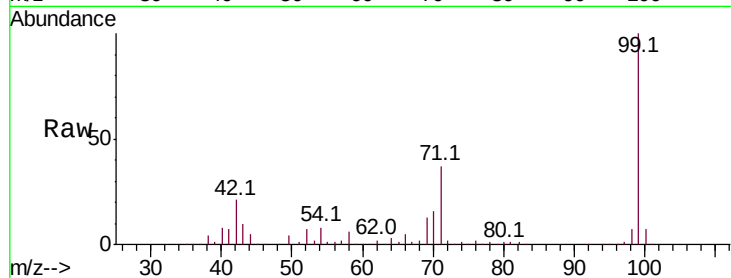
Tot Ion: 99 Resp: 824234

Ion Ratio Lower Upper

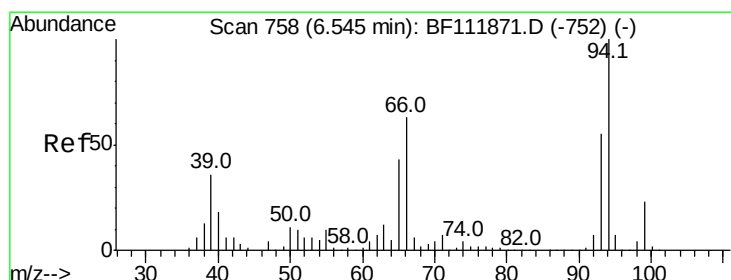
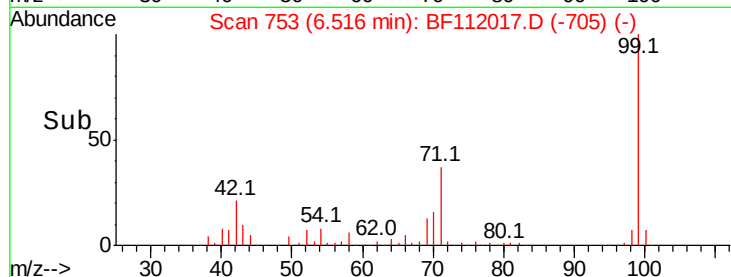
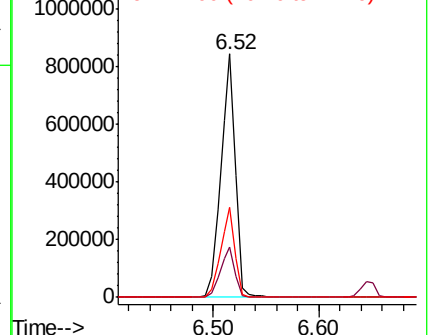
99 100

42 20.8 17.9 26.9

71 36.8 28.7 43.1



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: 3.526 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF112017.D

Acq: 11 Jan 2019 16:07

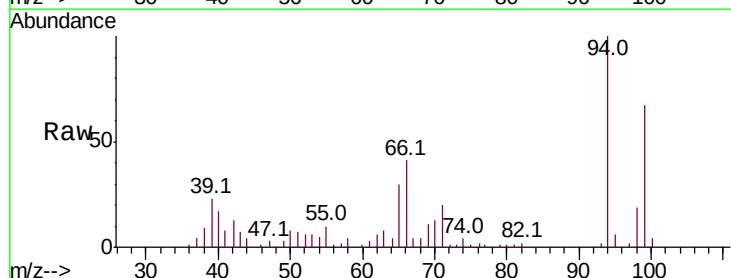
Tgt Ion: 94 Resp: 33015

Ion Ratio Lower Upper

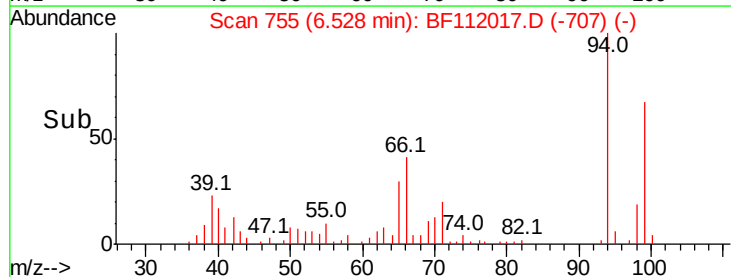
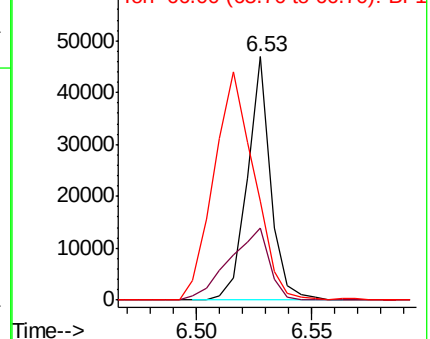
94 100

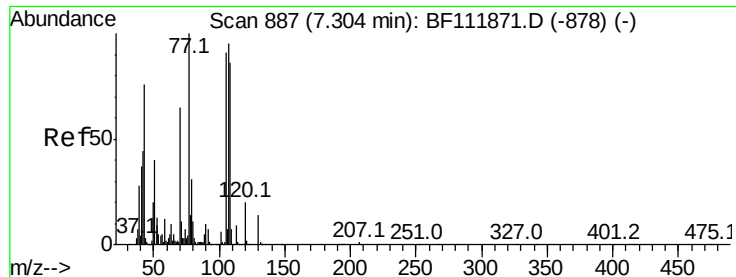
65 29.8 22.8 62.8

66 40.9 43.3 83.3#



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

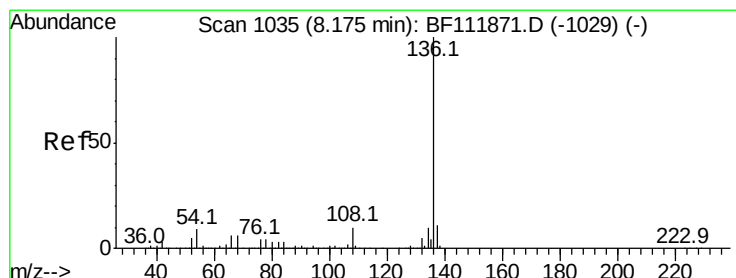
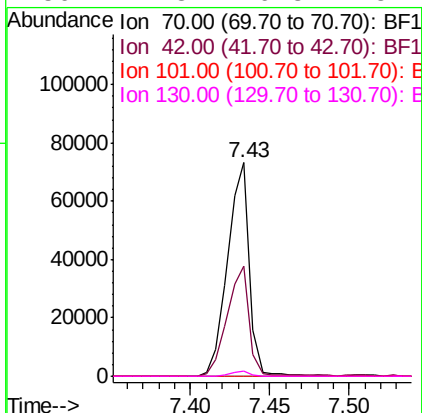
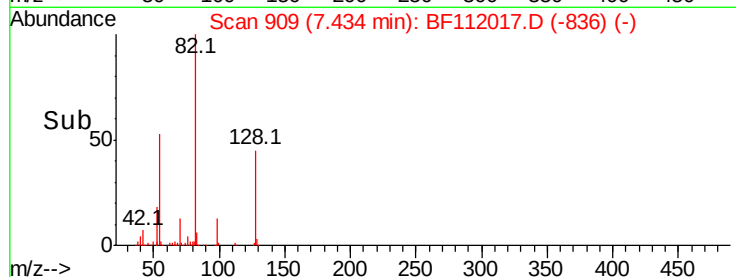
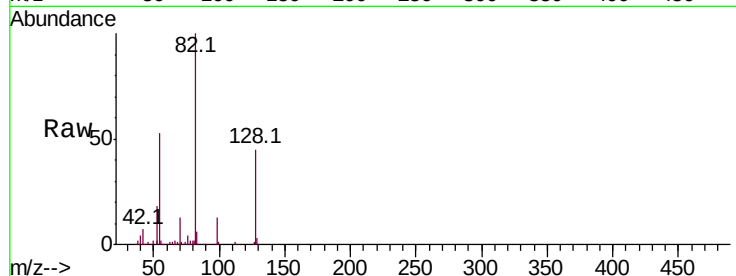




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.407 ng  
RT: 7.43 min Scan# 909  
Delta R.T. 0.13 min  
Lab File: BF112017.D  
Acq: 11 Jan 2019 16:07

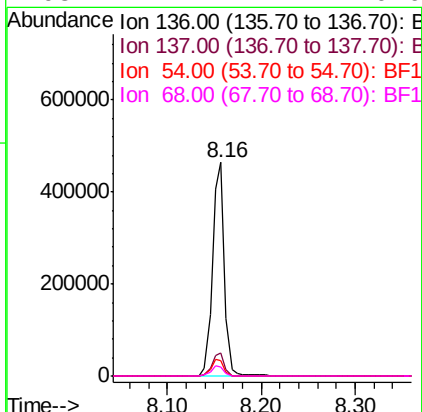
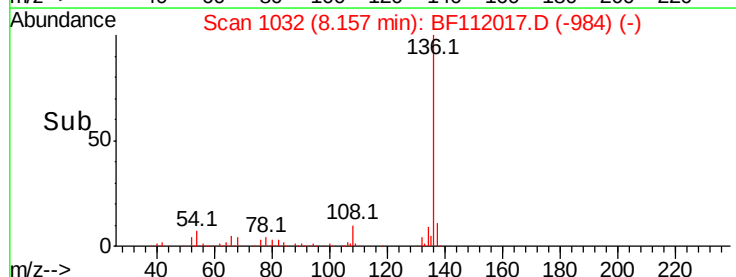
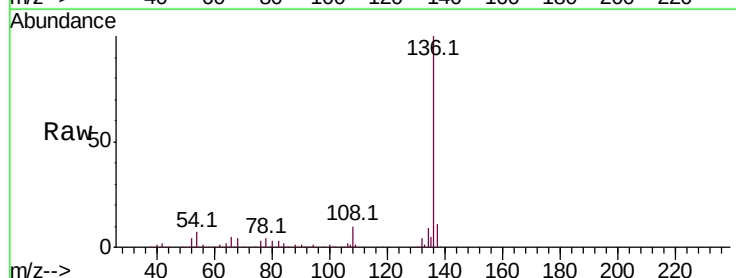
Instrument :  
BNA\_F  
ClientSampleId :

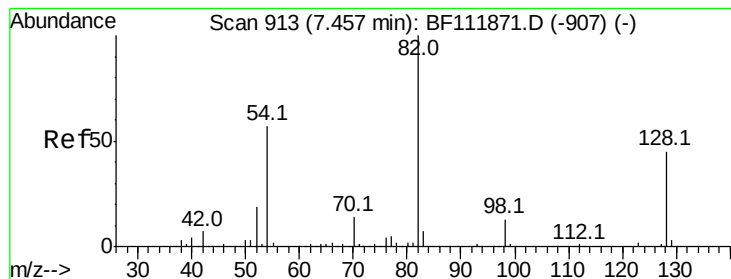
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 51.7  | 53.6  | 80.4# |
| 101     | 0.0   | 7.3   | 10.9# |
| 130     | 2.3   | 16.8  | 25.2# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.16 min Scan# 1032  
Delta R.T. -0.02 min  
Lab File: BF112017.D  
Acq: 11 Jan 2019 16:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.8  | 9.1   | 13.7  |
| 54      | 7.1   | 7.2   | 10.8# |
| 68      | 4.4   | 4.4   | 6.6   |





#23

Nitrobenzene-d5

Concen: 66.439 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF112017.D

Acq: 11 Jan 2019 16:07

Instrument :

BNA\_F

ClientSampled :

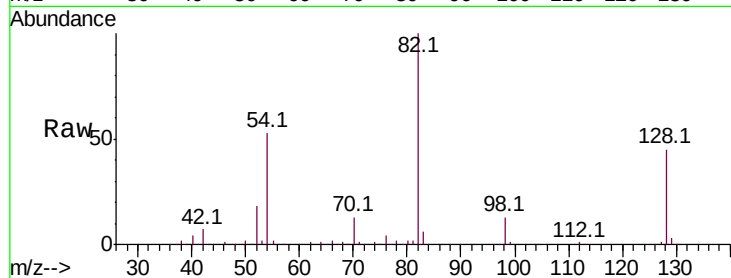
Tot Ion: 82 Resp: 521410

Ion Ratio Lower Upper

82 100

128 44.8 35.7 53.5

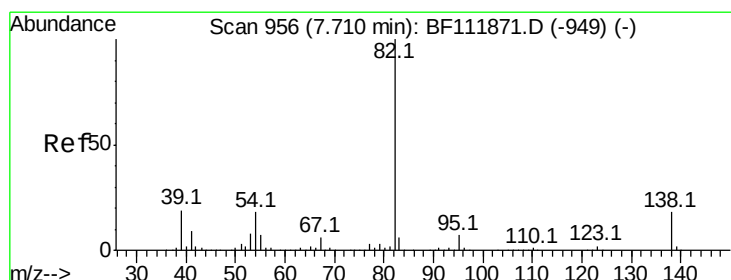
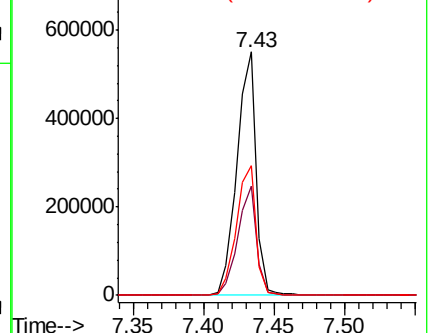
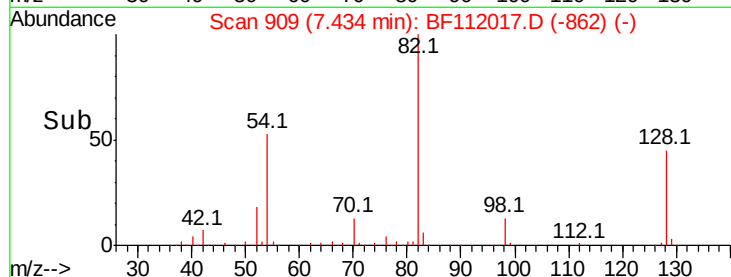
54 53.1 45.8 68.8



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: 40.871 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF112017.D

Acq: 11 Jan 2019 16:07

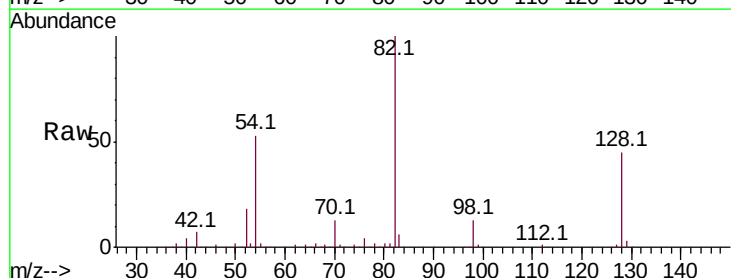
Tgt Ion: 82 Resp: 519398

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

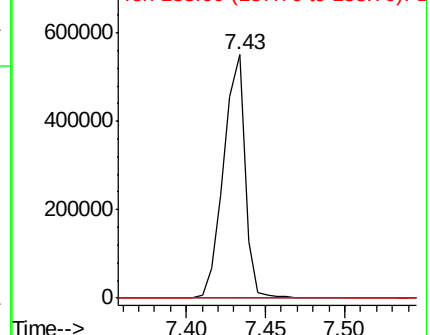
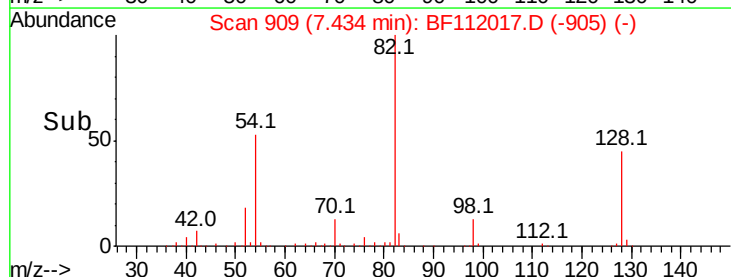
138 0.0 14.4 21.6#

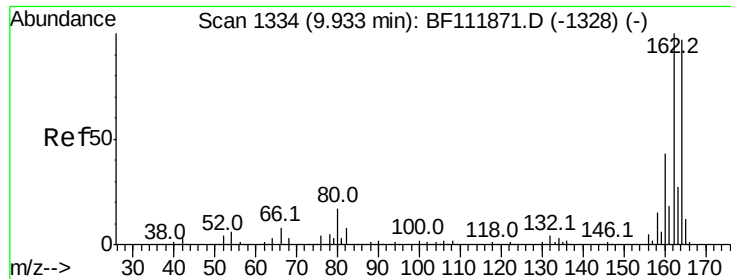


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.91 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF112017.D

Acq: 11 Jan 2019 16:07

Instrument :

BNA\_F

ClientSampleId :

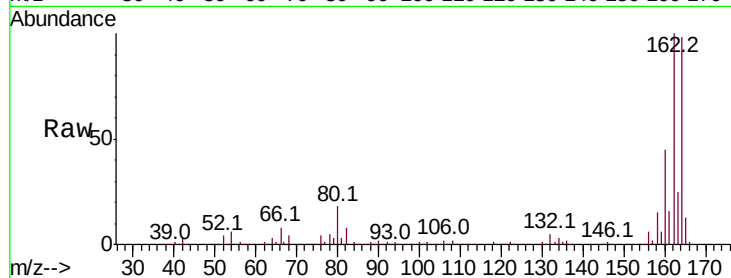
Tot Ion:164 Resp: 196983

Ion Ratio Lower Upper

164 100

162 101.6 82.2 123.2

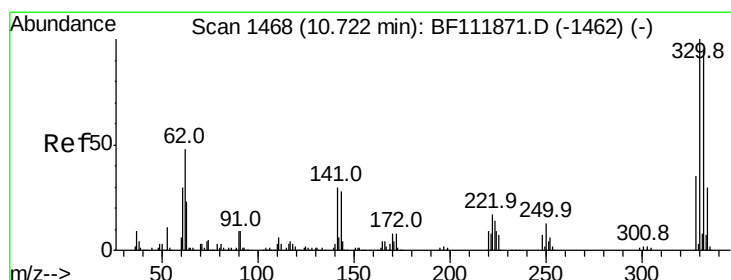
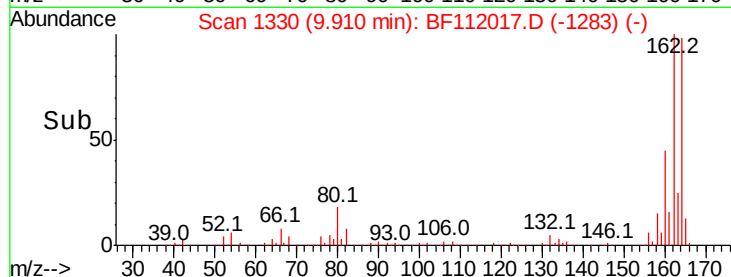
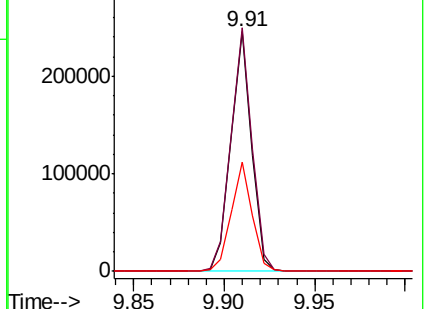
160 45.3 35.5 53.3



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: 84.194 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF112017.D

Acq: 11 Jan 2019 16:07

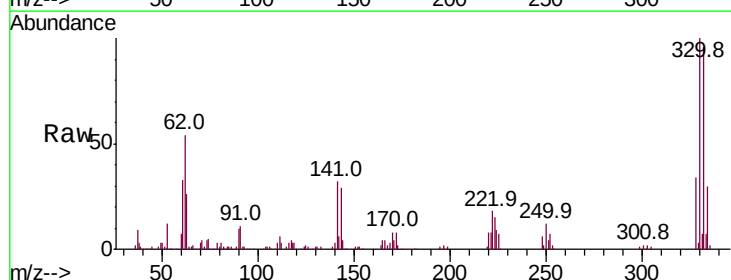
Tgt Ion:330 Resp: 215719

Ion Ratio Lower Upper

330 100

332 96.9 76.9 115.3

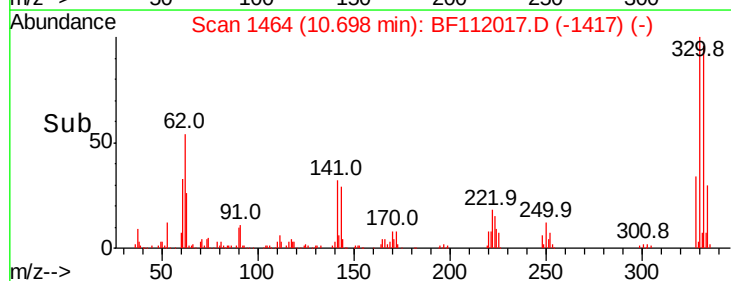
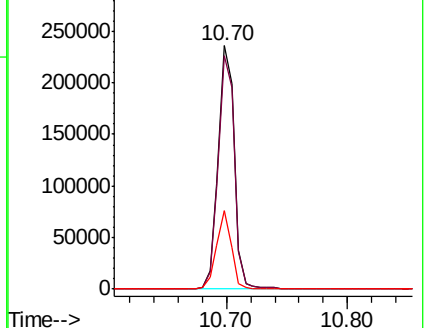
141 29.5 23.7 35.5

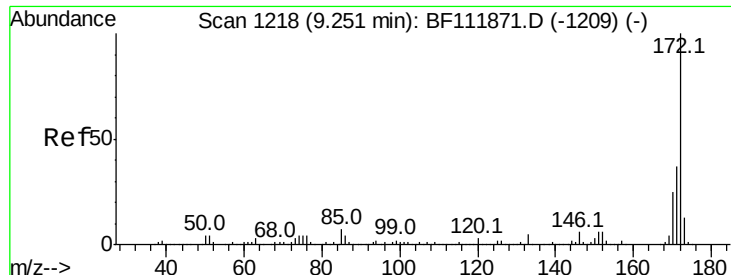


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 74.214 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF112017.D

Acq: 11 Jan 2019 16:07

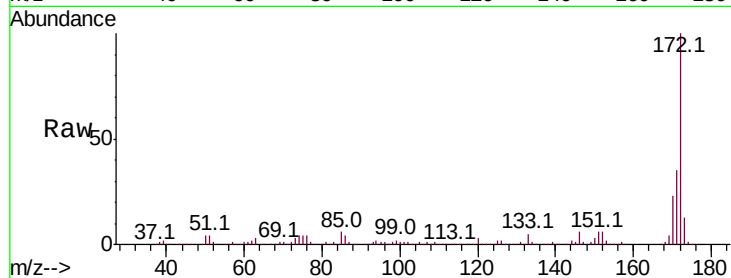
Instrument :

BNA\_F

ClientSampled :

Tot Ion:172 Resp: 1002529

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.0  | 29.6  | 44.4  |
| 170 | 23.4  | 19.8  | 29.8  |

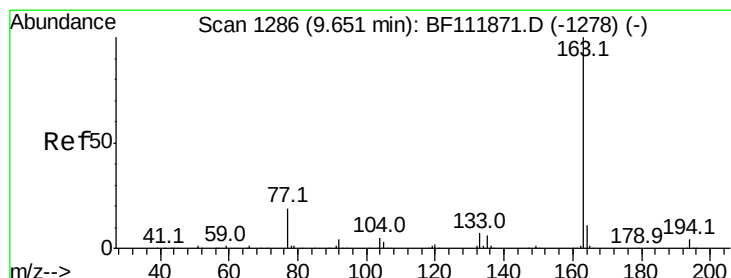
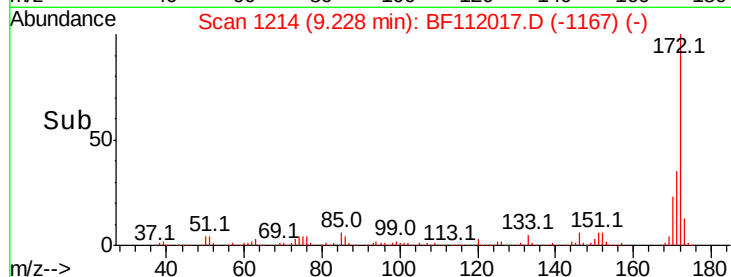
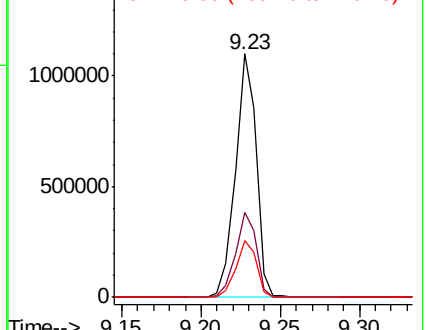


Abundance

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: 5.007 ng

RT: 9.62 min Scan# 1280

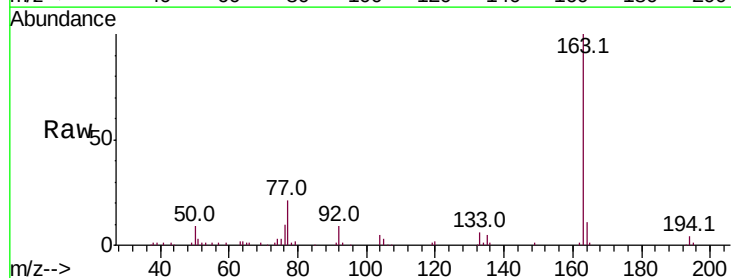
Delta R.T. -0.04 min

Lab File: BF112017.D

Acq: 11 Jan 2019 16:07

Tgt Ion:163 Resp: 74088

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.9   | 3.4   | 5.2   |
| 164 | 10.9  | 8.5   | 12.7  |

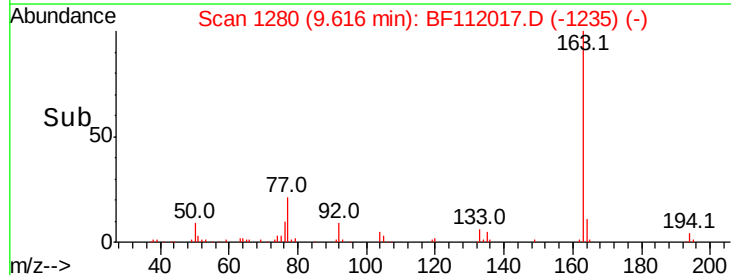
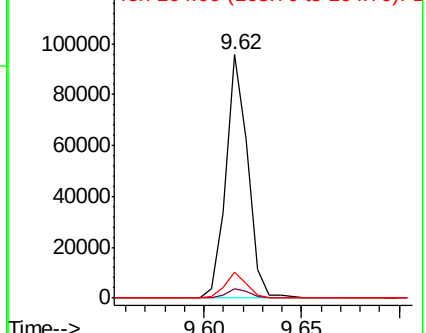


Abundance

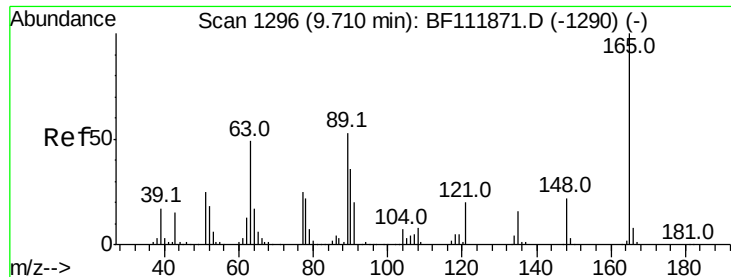
Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



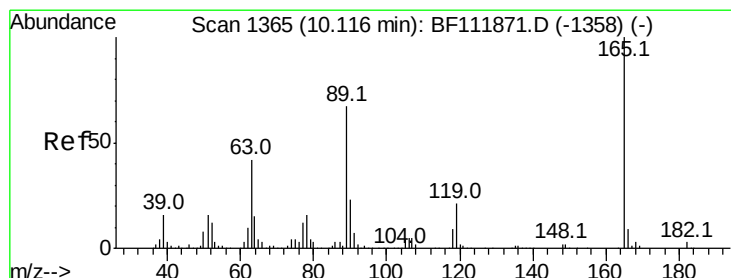
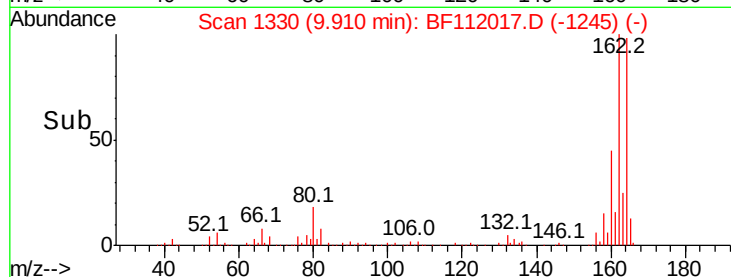
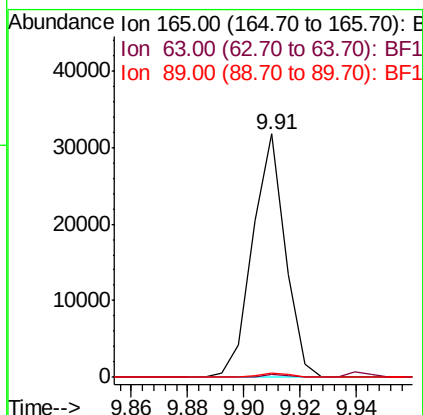
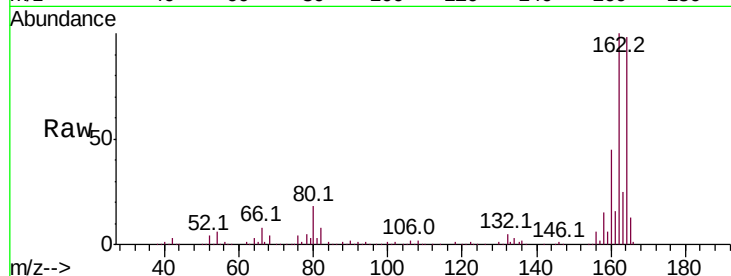




#51  
 2,6-Dinitrotoluene  
 Concen: 7.692 ng  
 RT: 9.91 min Scan# 1330  
 Delta R.T. 0.20 min  
 Lab File: BF112017.D  
 Acq: 11 Jan 2019 16:07

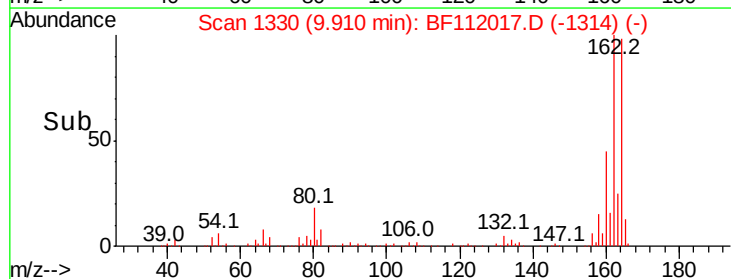
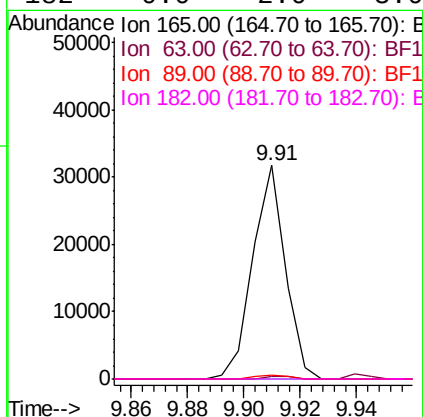
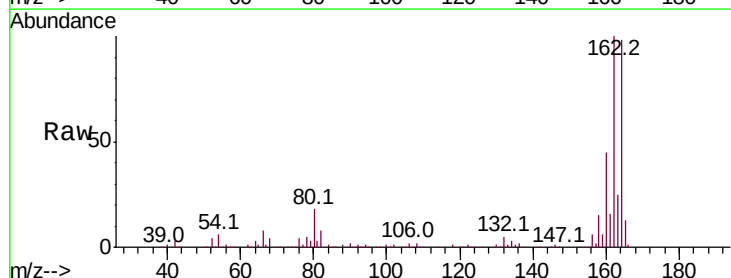
Instrument :  
 BNA\_F  
 ClientSampleId :

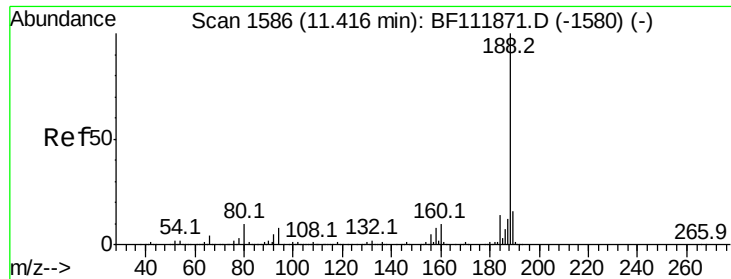
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 46.2  | 69.2# |
| 89      | 1.6   | 42.2  | 63.2# |



#57  
 2,4-Dinitrotoluene  
 Concen: 5.953 ng  
 RT: 9.91 min Scan# 1330  
 Delta R.T. -0.21 min  
 Lab File: BF112017.D  
 Acq: 11 Jan 2019 16:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 34.1  | 51.1# |
| 89      | 1.6   | 53.5  | 80.3# |
| 182     | 0.0   | 2.0   | 3.0#  |

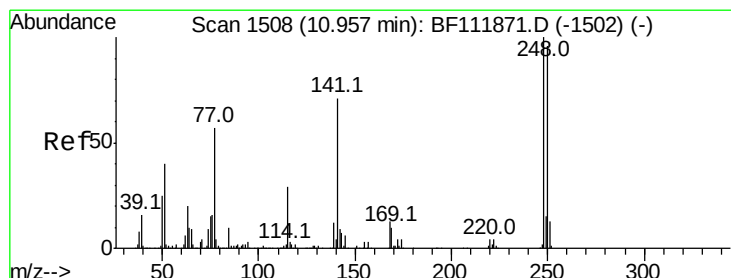
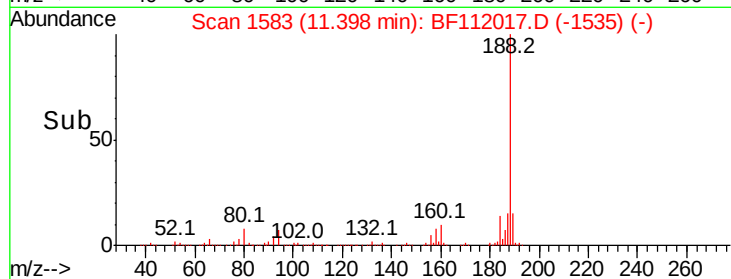
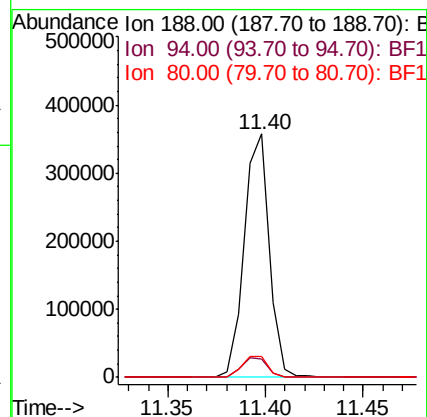
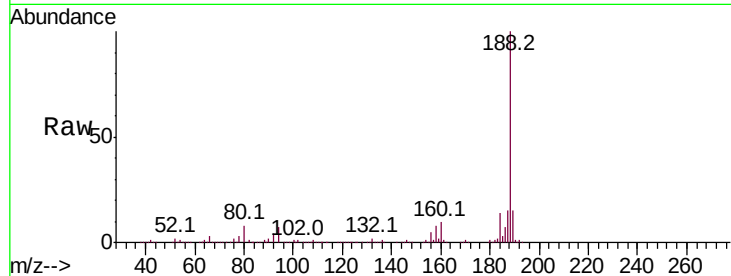




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1583  
Delta R.T. -0.02 min  
Lab File: BF112017.D  
Acq: 11 Jan 2019 16:07

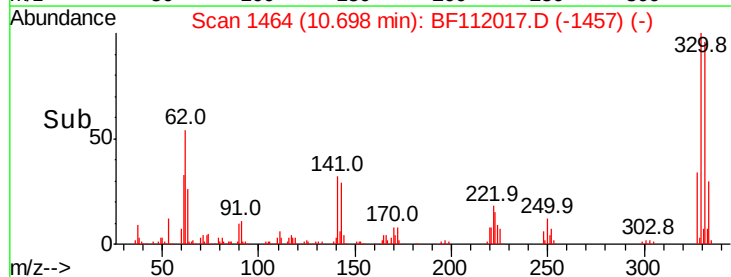
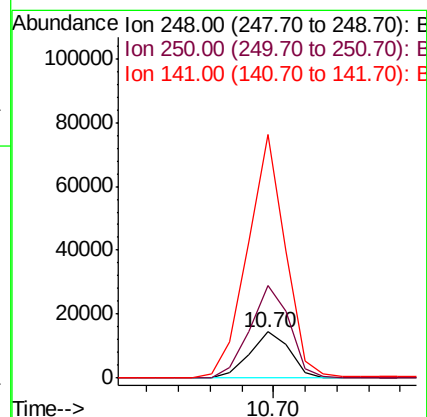
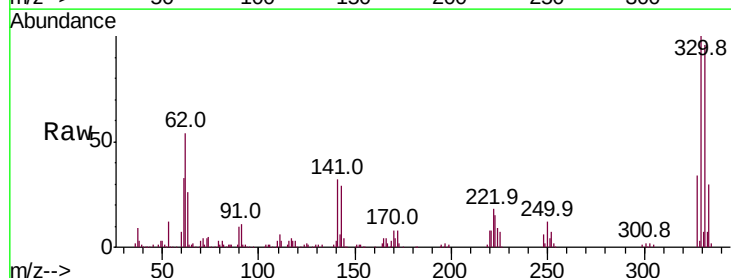
Instrument :  
BNA\_F  
ClientSampled :

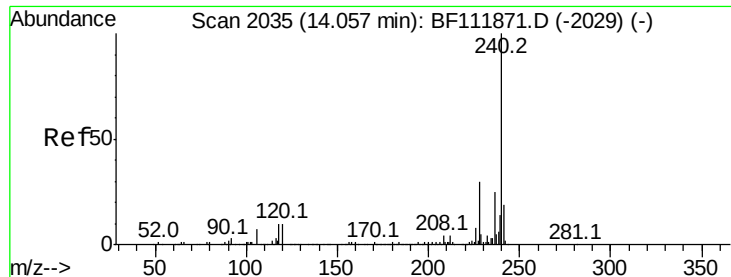
Tot Ion:188 Resp: 318648  
Ion Ratio Lower Upper  
188 100  
94 7.4 6.6 10.0  
80 8.5 7.7 11.5



#67  
4-Bromophenyl-phenylether  
Concen: 3.049 ng  
RT: 10.70 min Scan# 1464  
Delta R.T. -0.26 min  
Lab File: BF112017.D  
Acq: 11 Jan 2019 16:07

Tgt Ion:248 Resp: 12583  
Ion Ratio Lower Upper  
248 100  
250 201.1 76.8 115.2#  
141 525.8 57.0 85.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF112017.D

Acq: 11 Jan 2019 16:07

Instrument :

BNA\_F

ClientSampleId :

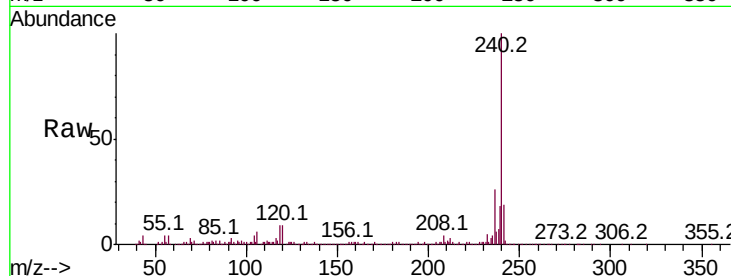
Tot Ion:240 Resp: 293714

Ion Ratio Lower Upper

240 100

120 8.8 8.2 12.2

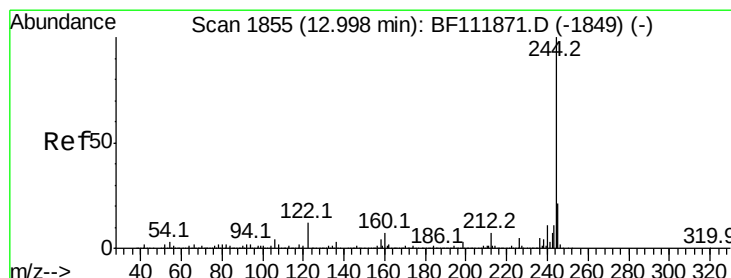
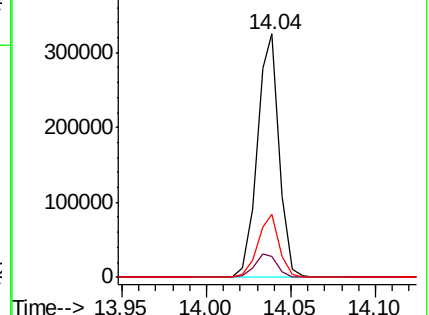
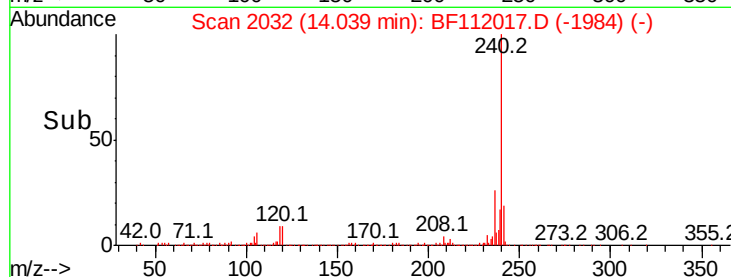
236 26.0 20.2 30.4



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: 57.470 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF112017.D

Acq: 11 Jan 2019 16:07

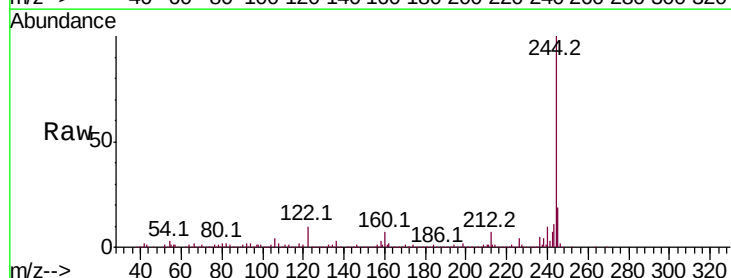
Tgt Ion:244 Resp: 889241

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

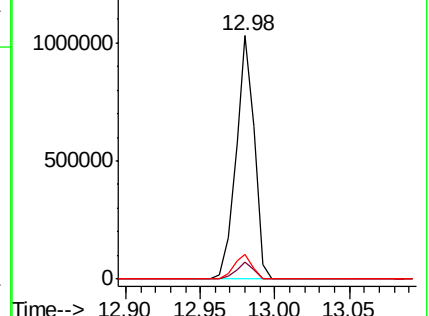
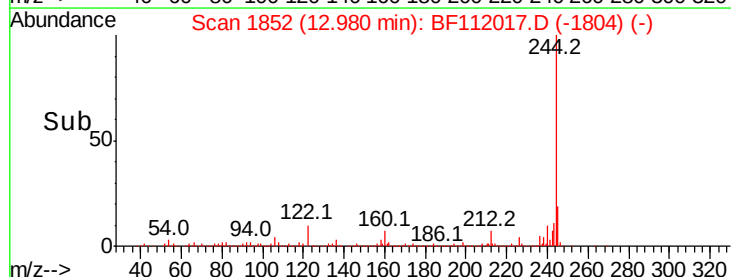
122 10.2 9.5 14.3

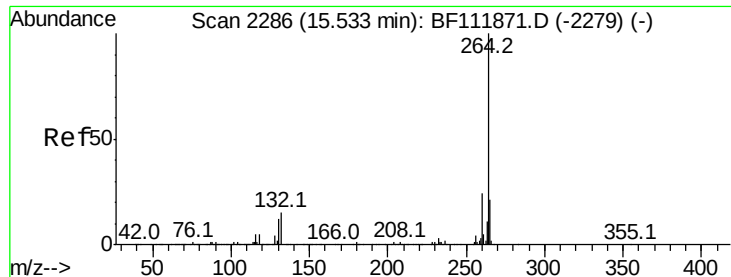


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.52 min Scan# 2284  
Delta R.T. -0.01 min  
Lab File: BF112017.D  
Acq: 11 Jan 2019 16:07

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 264963 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.0  | 19.2  | 28.8   |
| 265      | 22.5  | 17.1  | 25.7   |

