

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\  
 Data File : BF119153.D  
 Acq On : 29 Feb 2020 2:12  
 Operator : CG/JU  
 Sample : L1719-05  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 02 02:43:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 26 16:03:05 2020  
 Response via : Initial Calibration

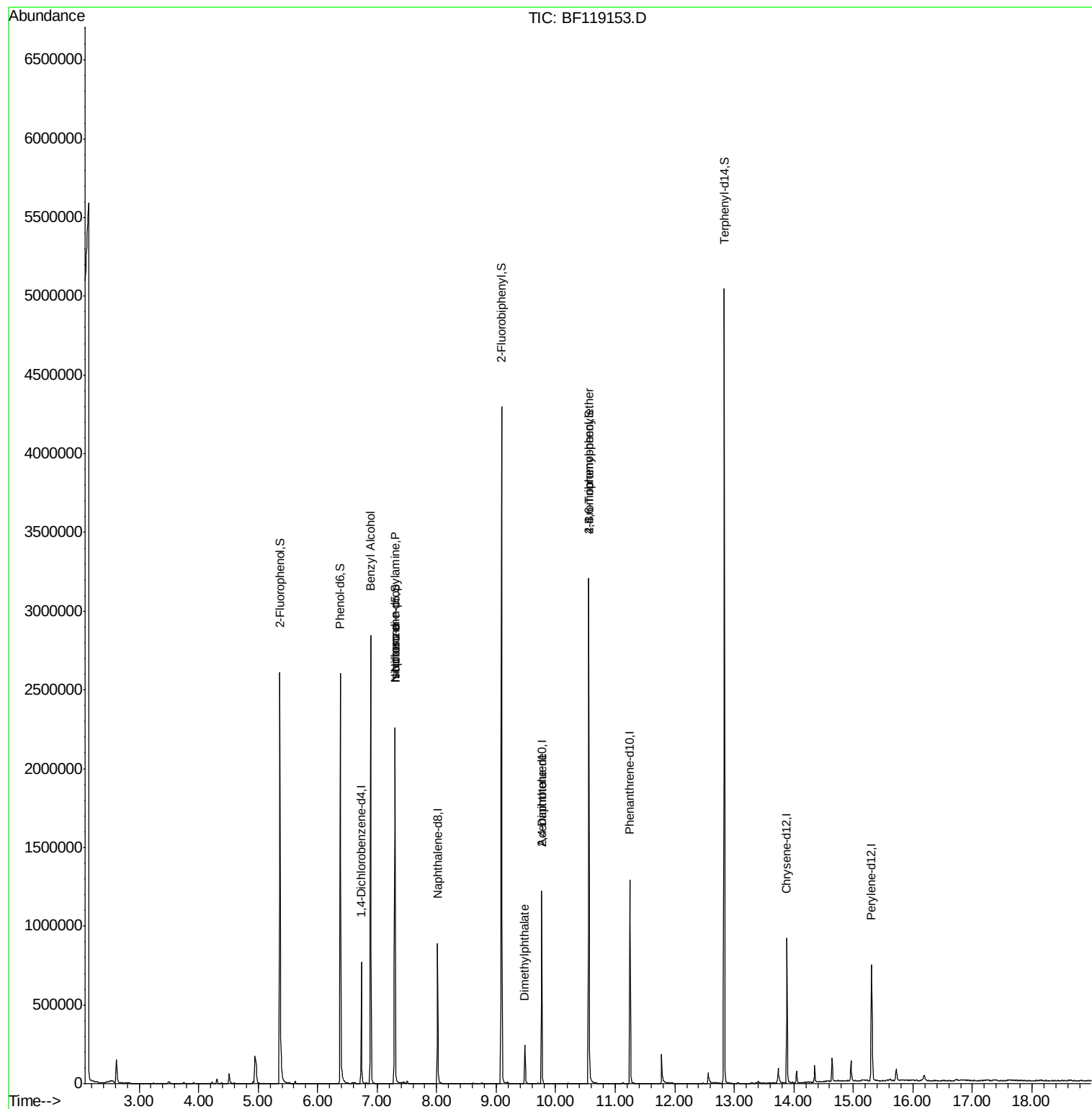
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.73  | 152  | 117117   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.02  | 136  | 460574   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 9.76  | 164  | 256146   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.25 | 188  | 486219   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 13.88 | 240  | 318072   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.30 | 264  | 336990   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.36  | 112  | 868222   | 123.89 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.38  | 99   | 956002   | 112.17 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.30  | 82   | 760438   | 87.18  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.56 | 330  | 439745   | 131.23 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 9.09  | 172  | 1478902  | 85.06  | ng    | -0.02    |
| 79) Terphenyl-d14              | 12.83 | 244  | 1837628  | 99.47  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.89  | 79   | 12793    | 2.077  | ng    | # 52     |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70   | 105631   | 21.269 | ng    | # 75     |
| 25) Isophorone                 | 7.30  | 82   | 753371   | 49.730 | ng    | # 63     |
| 50) Dimethylphthalate          | 9.49  | 163  | 112617   | 5.750  | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 9.76  | 165  | 32770    | 5.810  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether  | 10.56 | 248  | 28366    | 4.463  | ng    | # 1      |

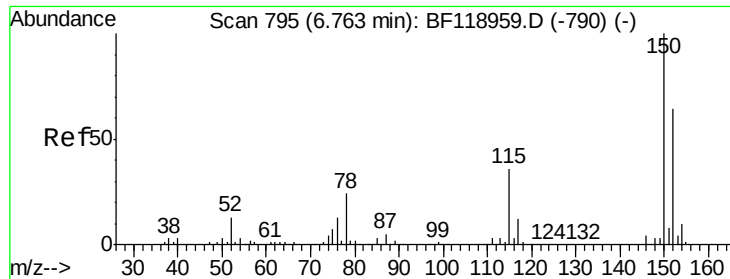
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 26 16:03:05 2020  
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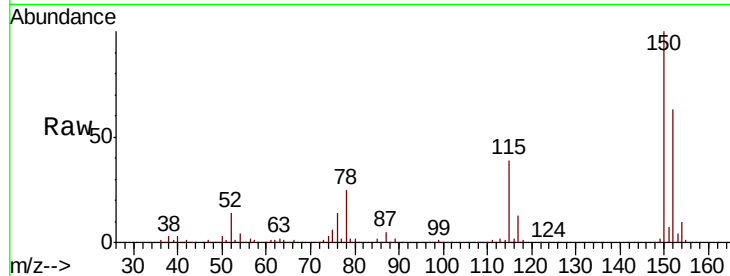


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 790  
Delta R.T. -0.01 min  
Lab File: BF119153.D  
Acq: 29 Feb 2020 2:12

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.8 | 123.0 | 184.6 |
| 115     | 62.3  | 49.5  | 74.3  |

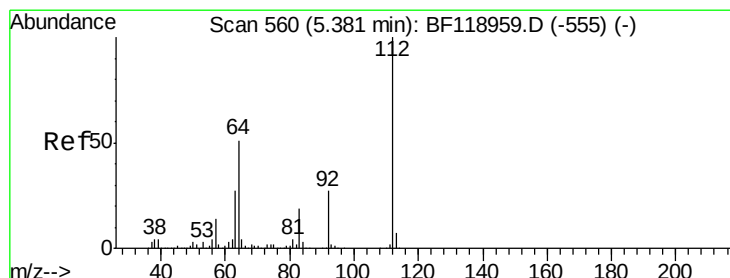
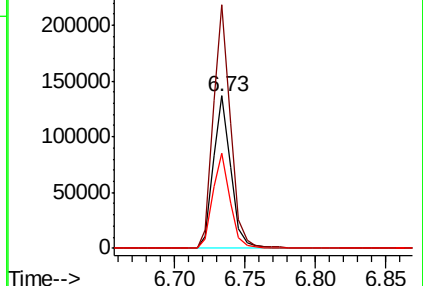
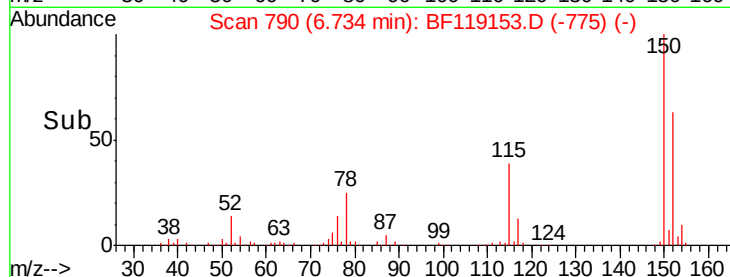


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

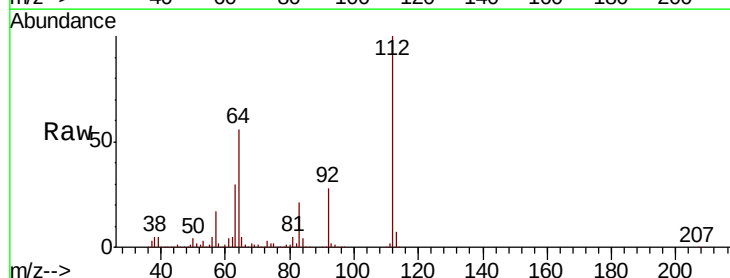
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 123.889 ng  
RT: 5.36 min Scan# 557  
Delta R.T. -0.01 min  
Lab File: BF119153.D  
Acq: 29 Feb 2020 2:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.4  | 45.0  | 67.4  |
| 63      | 30.2  | 24.2  | 36.4  |

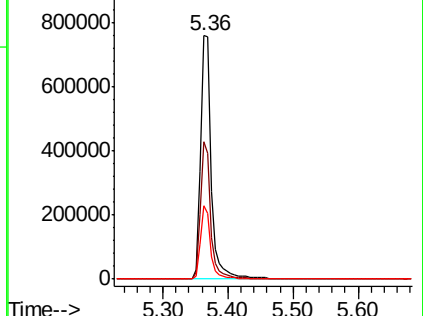
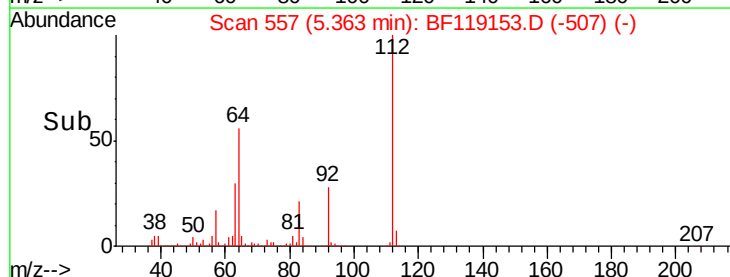


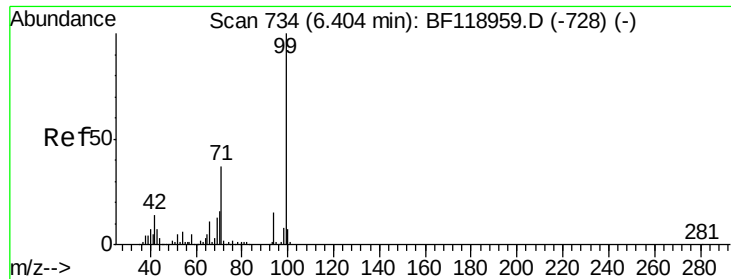
Abundance

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: 112.166 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119153.D

Acq: 29 Feb 2020 2:12

Instrument :

BNA\_F

ClientSampleId :

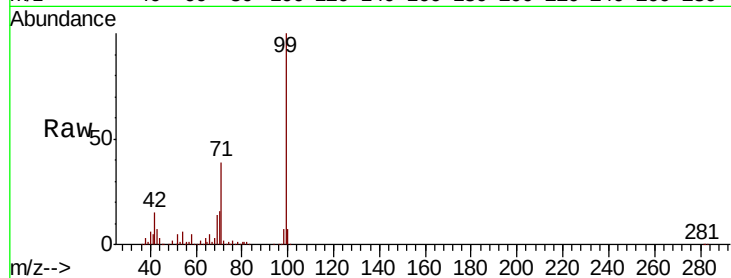
Tot Ion: 99 Resp: 956002

Ion Ratio Lower Upper

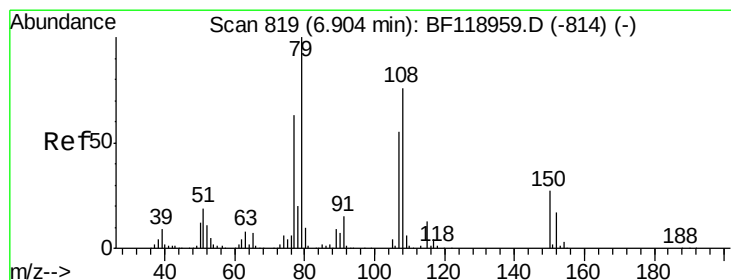
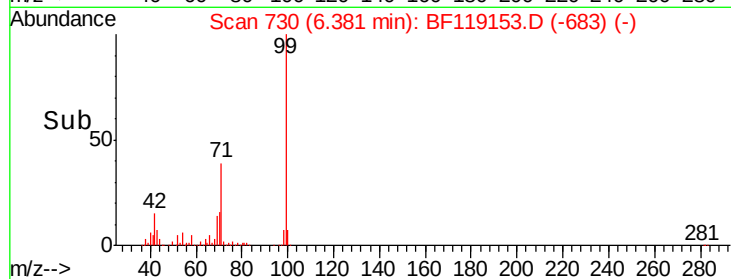
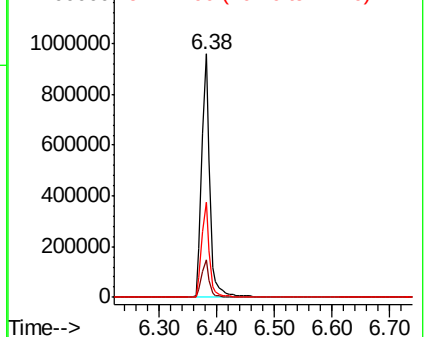
99 100

42 15.2 12.6 18.8

71 39.0 31.0 46.4



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: 2.077 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF119153.D

Acq: 29 Feb 2020 2:12

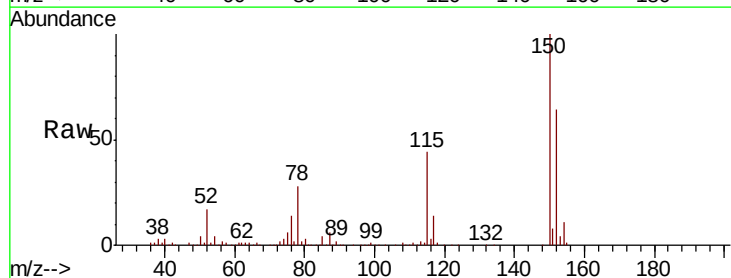
Tgt Ion: 79 Resp: 12793

Ion Ratio Lower Upper

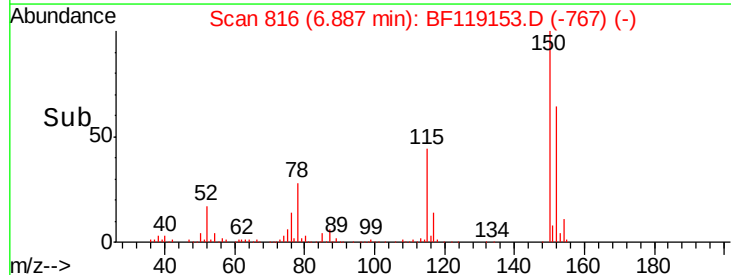
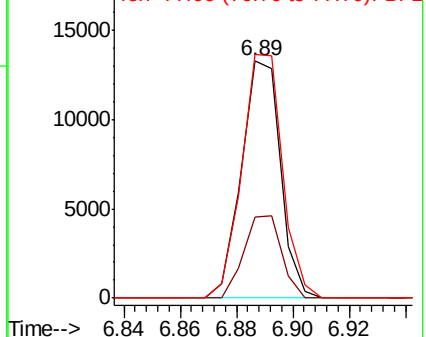
79 100

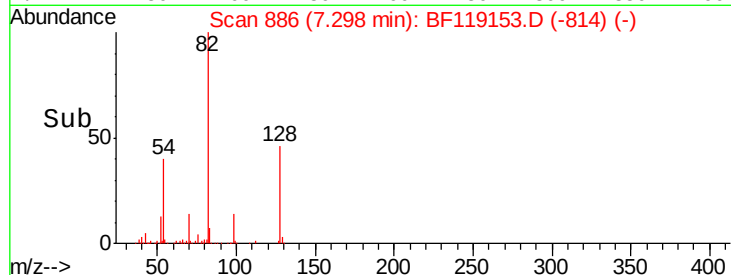
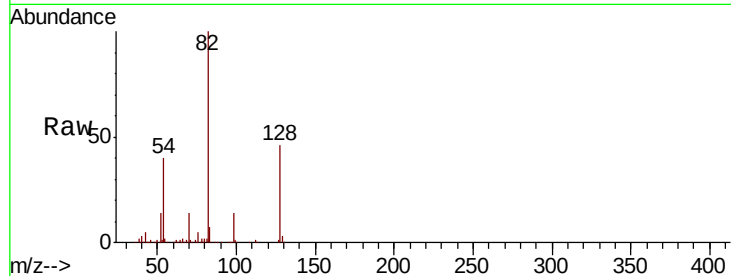
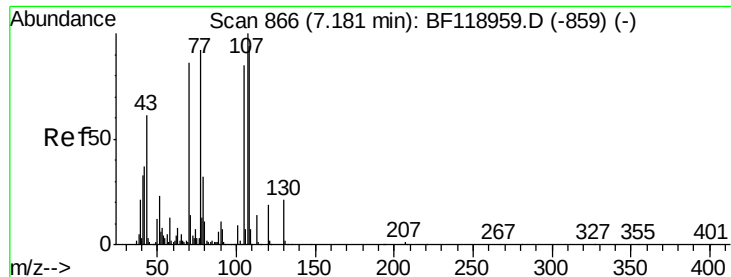
108 34.0 58.2 87.2#

77 102.4 51.2 76.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1

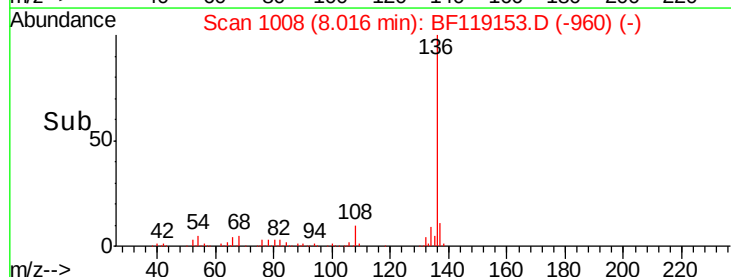
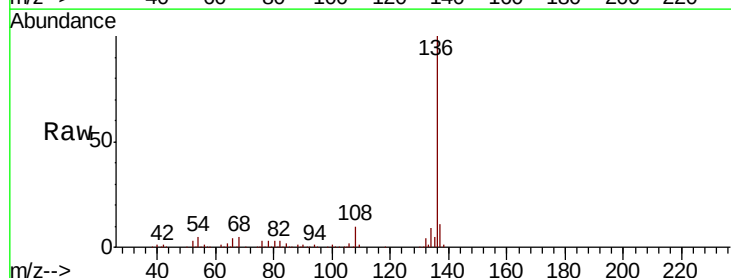
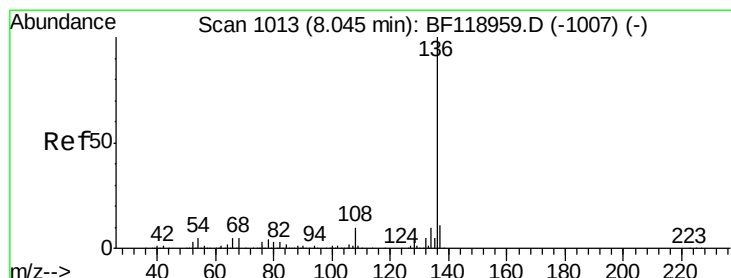
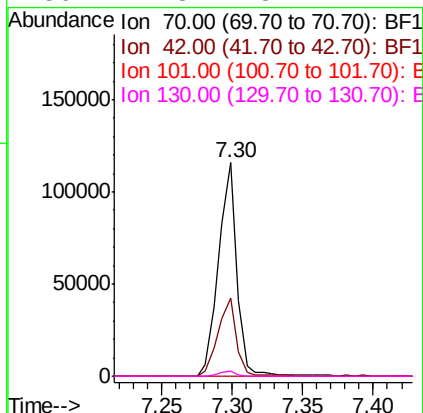




#19  
n-Nitroso-di-n-propylamine  
Concen: 21.269 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.12 min  
Lab File: BF119153.D  
Acq: 29 Feb 2020 2:12

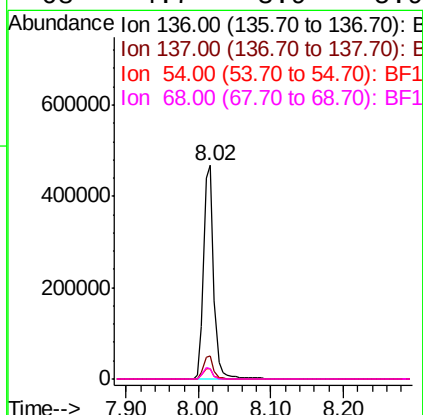
Instrument :  
BNA\_F  
ClientSampleId :

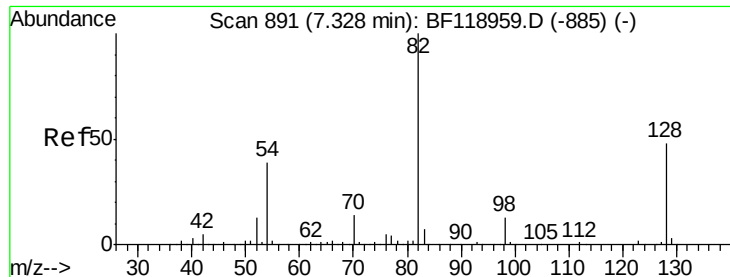
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 36.3  | 38.0  | 57.0# |
| 101     | 0.0   | 8.2   | 12.4# |
| 130     | 2.3   | 18.2  | 27.4# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 1008  
Delta R.T. -0.02 min  
Lab File: BF119153.D  
Acq: 29 Feb 2020 2:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.8  | 8.8   | 13.2  |
| 54      | 4.5   | 3.8   | 5.6   |
| 68      | 4.7   | 3.9   | 5.9   |

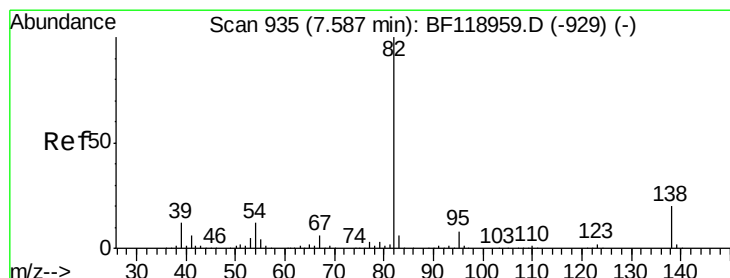
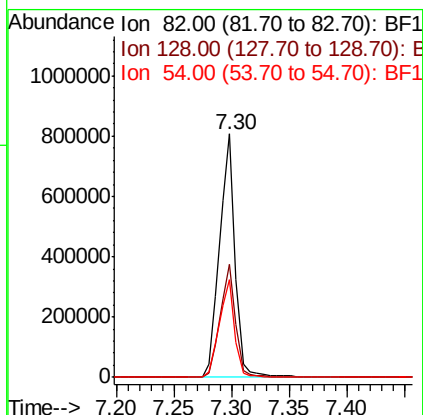
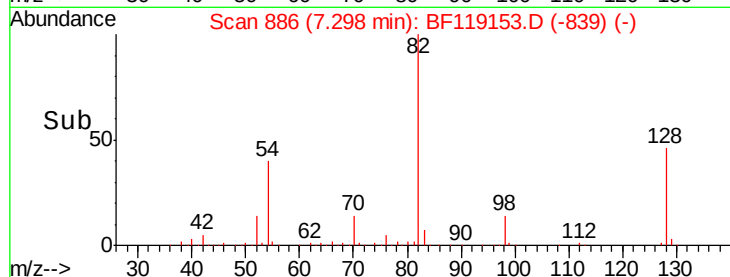
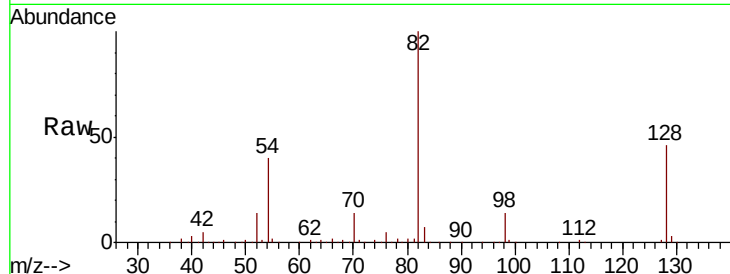




#23  
Nitrobenzene-d5  
Concen: 87.176 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.02 min  
Lab File: BF119153.D  
Acq: 29 Feb 2020 2:12

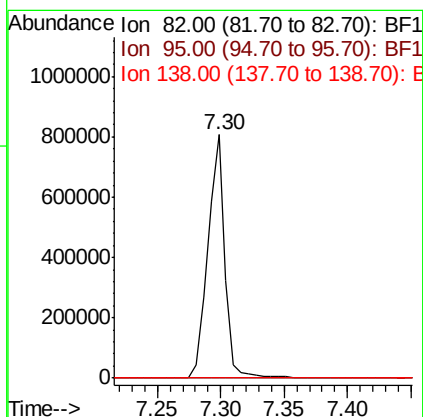
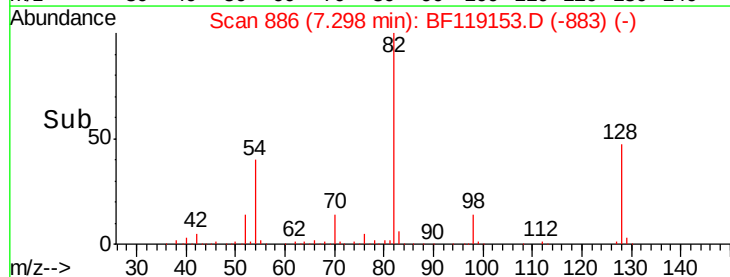
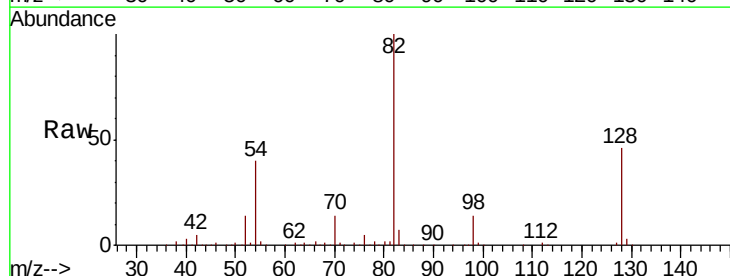
Instrument :  
BNA\_F  
ClientSampleId :

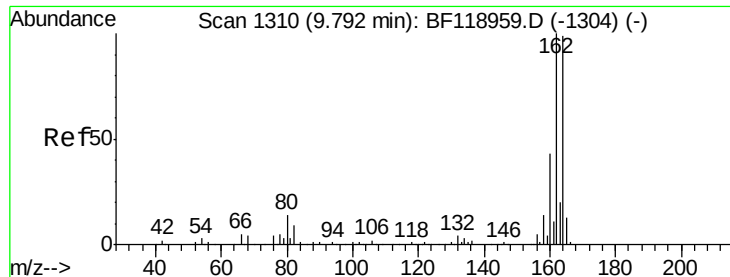
| Tot Ion   | 82    | Resp  | 760438 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.2  | 37.9  | 56.9   |
| 54        | 40.2  | 33.4  | 50.2   |



#25  
Isophorone  
Concen: 49.730 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.28 min  
Lab File: BF119153.D  
Acq: 29 Feb 2020 2:12

| Tgt Ion   | 82    | Resp  | 753371 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 6.4   | 9.6#   |
| 138       | 0.0   | 15.7  | 23.5#  |

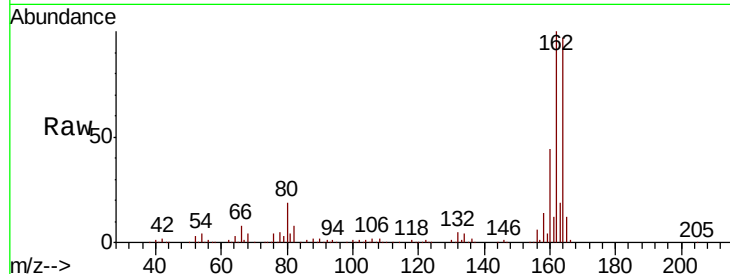




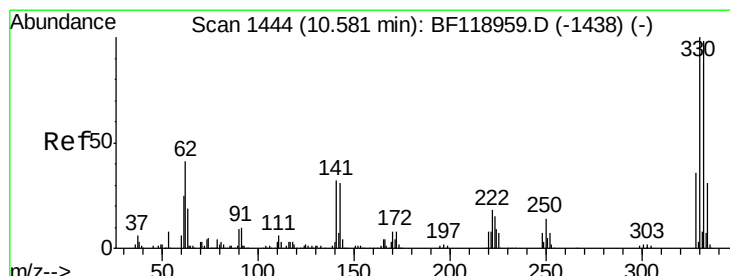
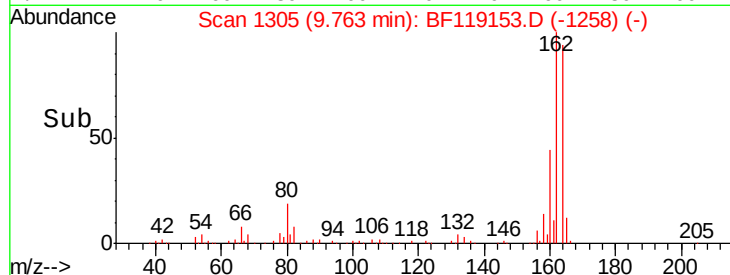
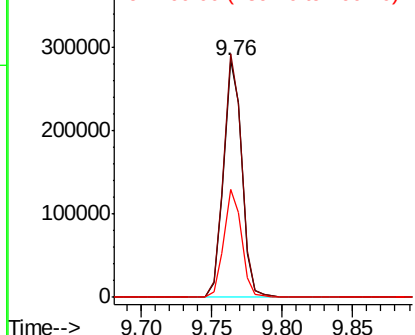
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1305  
 Delta R.T. -0.02 min  
 Lab File: BF119153.D  
 Acq: 29 Feb 2020 2:12

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 256146  
 Ion Ratio Lower Upper  
 164 100  
 162 102.8 81.8 122.8  
 160 45.4 36.0 54.0

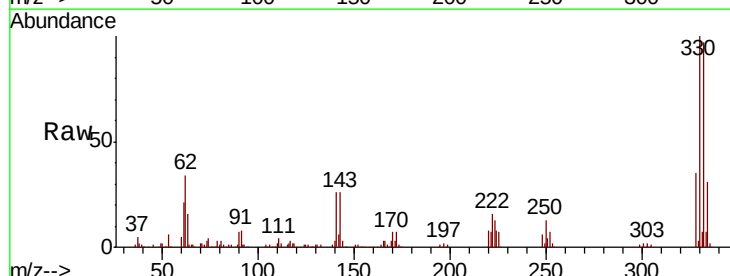


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

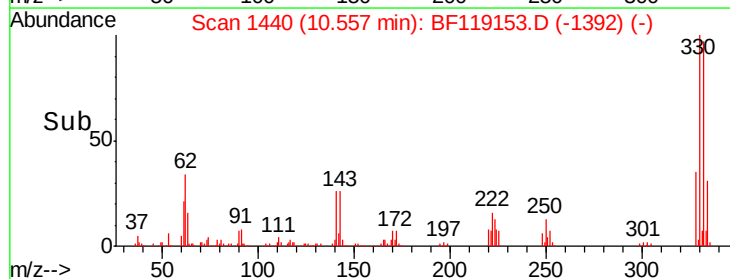
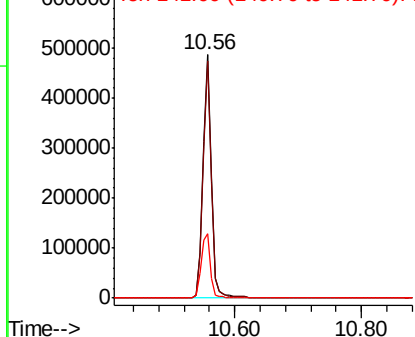


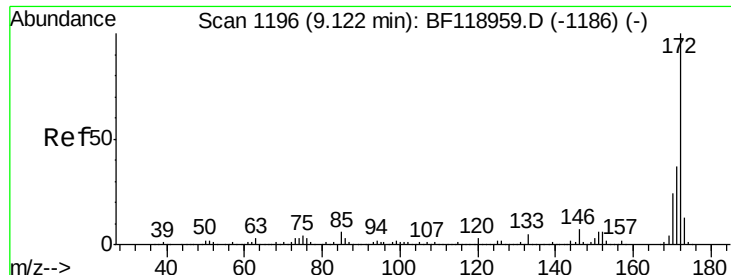
#42  
 2,4,6-Tribromophenol  
 Concen: 131.235 ng  
 RT: 10.56 min Scan# 1440  
 Delta R.T. -0.02 min  
 Lab File: BF119153.D  
 Acq: 29 Feb 2020 2:12

Tgt Ion:330 Resp: 439745  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 76.0 114.0  
 141 29.3 22.9 34.3



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

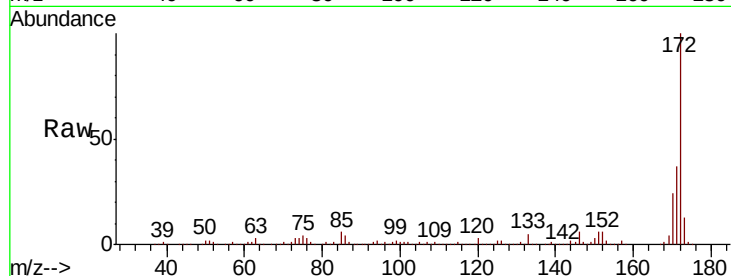




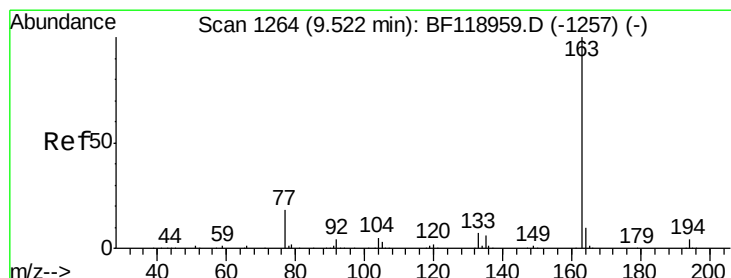
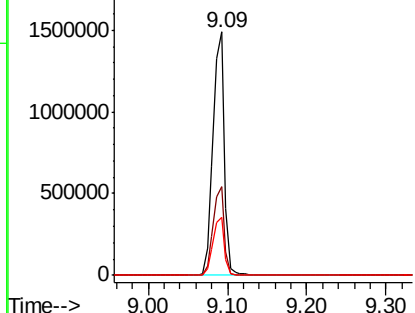
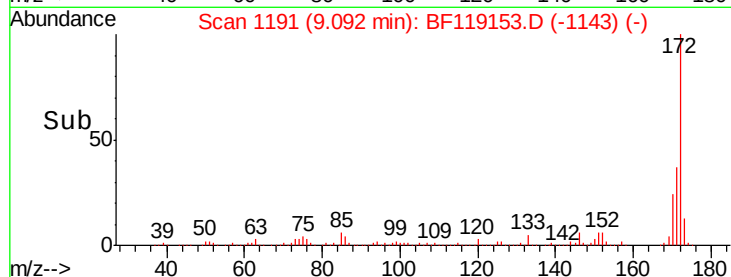
#45  
2-Fluorobiphenyl  
Concen: 85.056 ng  
RT: 9.09 min Scan# 1191  
Delta R.T. -0.02 min  
Lab File: BF119153.D  
Acq: 29 Feb 2020 2:12

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1478902  
Ion Ratio Lower Upper  
172 100  
171 36.5 30.6 45.8  
170 23.9 20.2 30.2

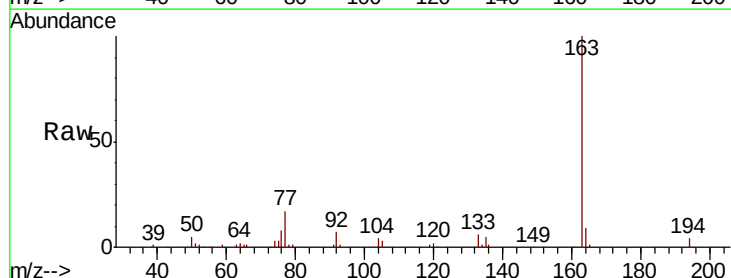


Abundance Ion 172.00 (171.70 to 172.70): E  
2000000 Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

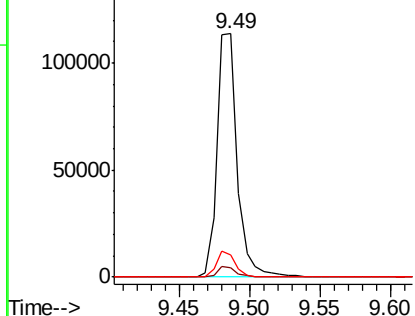
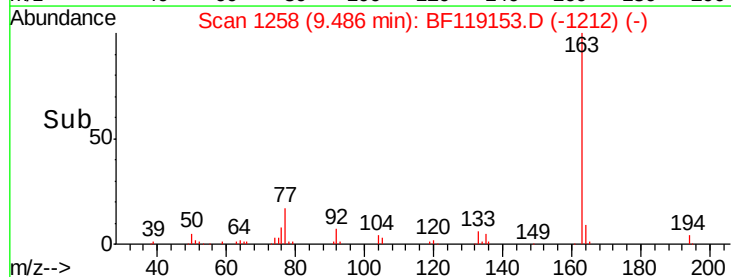


#50  
Dimethylphthalate  
Concen: 5.750 ng  
RT: 9.49 min Scan# 1258  
Delta R.T. -0.03 min  
Lab File: BF119153.D  
Acq: 29 Feb 2020 2:12

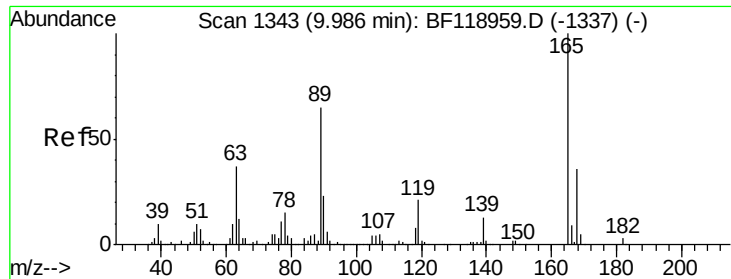
Tgt Ion:163 Resp: 112617  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.5 5.3  
164 9.2 8.4 12.6



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



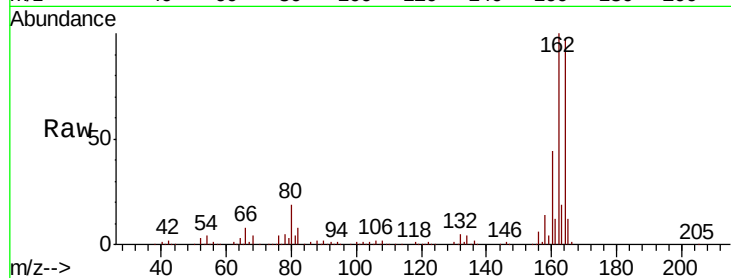




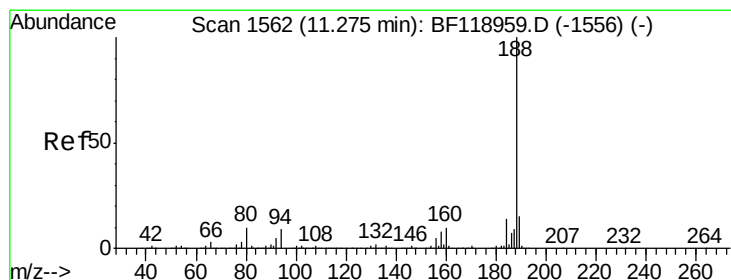
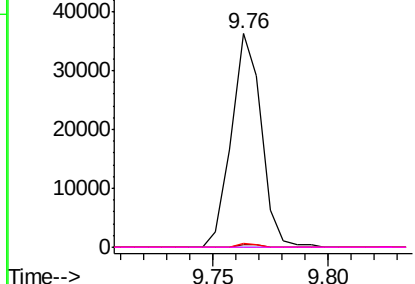
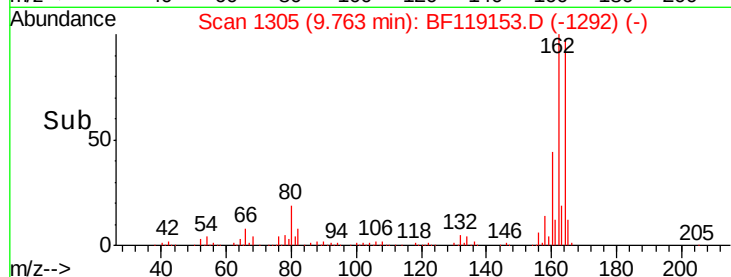
#57  
 2,4-Dinitrotoluene  
 Concen: 5.810 ng  
 RT: 9.76 min Scan# 1305  
 Delta R.T. -0.22 min  
 Lab File: BF119153.D  
 Acq: 29 Feb 2020 2:12

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 42.3  | 63.5# |
| 89      | 1.7   | 60.2  | 90.4# |
| 182     | 0.0   | 2.3   | 3.5#  |

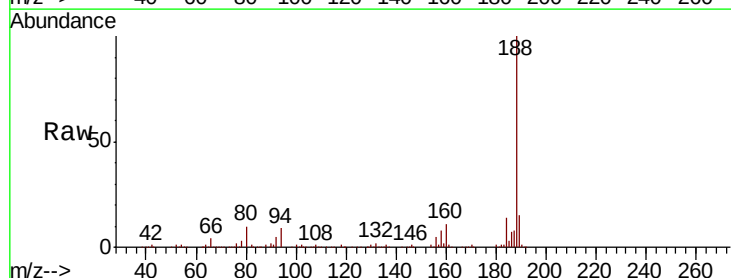


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

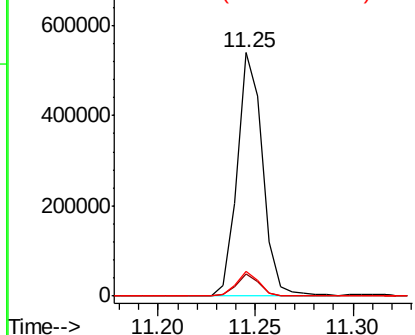
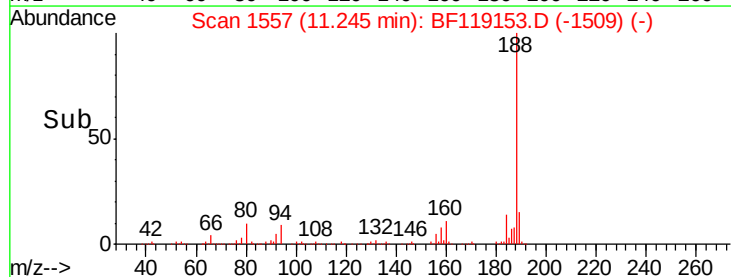


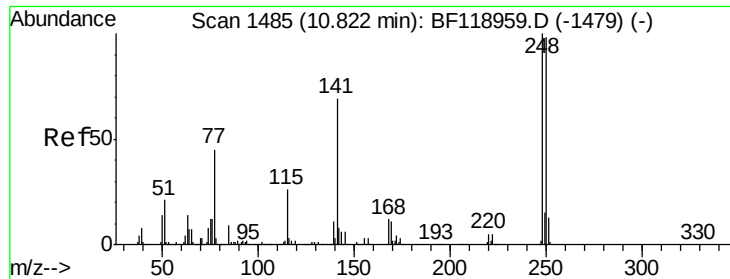
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.25 min Scan# 1557  
 Delta R.T. -0.02 min  
 Lab File: BF119153.D  
 Acq: 29 Feb 2020 2:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.1   | 7.1   | 10.7  |
| 80      | 10.0  | 7.8   | 11.8  |



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

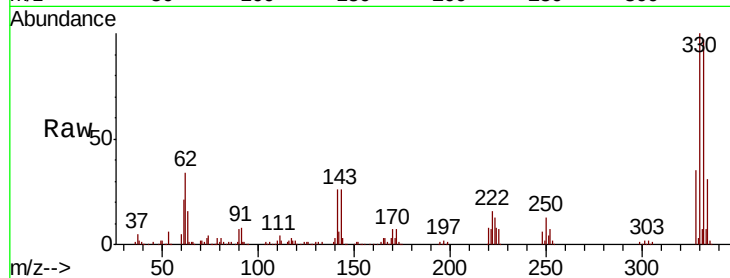




#67  
 4-Bromophenyl-phenylether  
 Concen: 4.463 ng  
 RT: 10.56 min Scan# 1440  
 Delta R.T. -0.25 min  
 Lab File: BF119153.D  
 Acq: 29 Feb 2020 2:12

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 208.6 | 76.7  | 115.1# |
| 141     | 419.1 | 60.7  | 91.1#  |

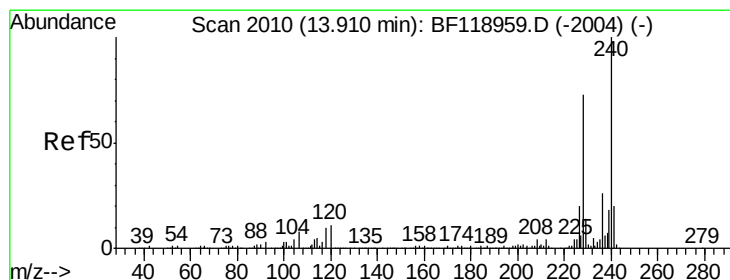
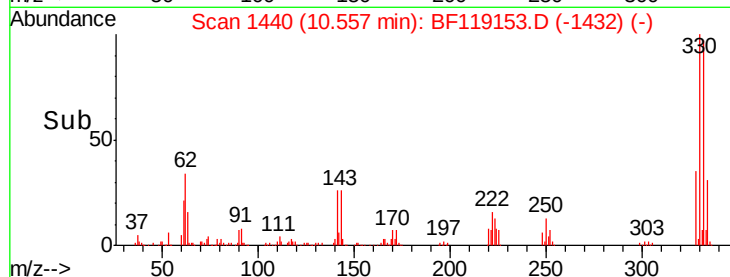
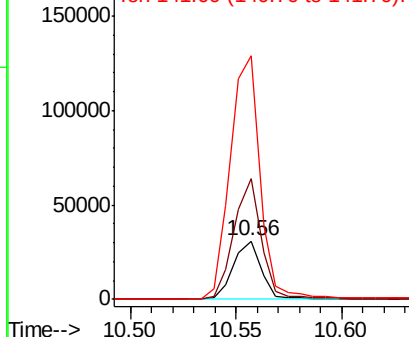


Abundance

Ion 248.00 (247.70 to 248.70): E

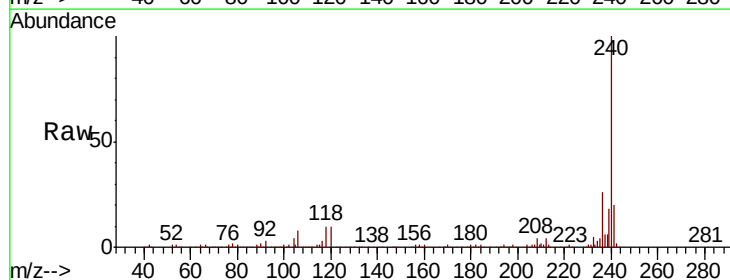
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.88 min Scan# 2005  
 Delta R.T. -0.02 min  
 Lab File: BF119153.D  
 Acq: 29 Feb 2020 2:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.3  | 8.4   | 12.6  |
| 236     | 26.1  | 21.0  | 31.4  |

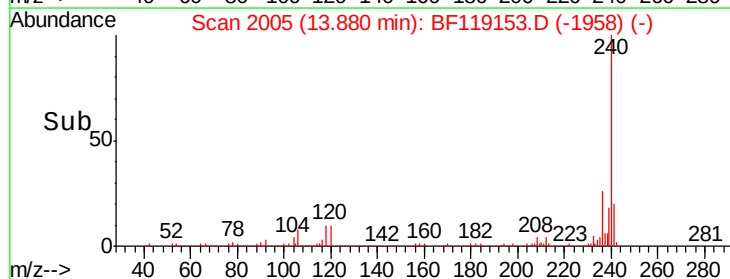
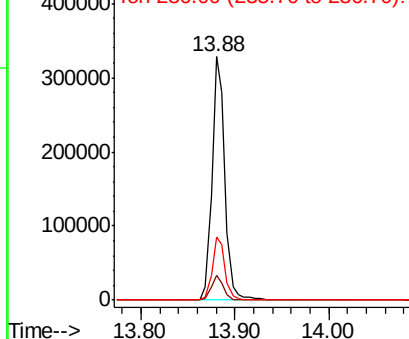


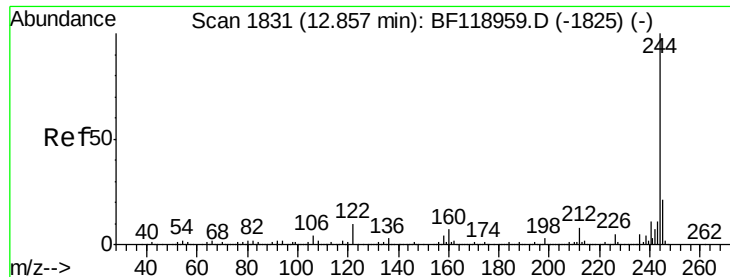
Abundance

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: 99.468 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF119153.D

Acq: 29 Feb 2020 2:12

Instrument :

BNA\_F

ClientSampled :

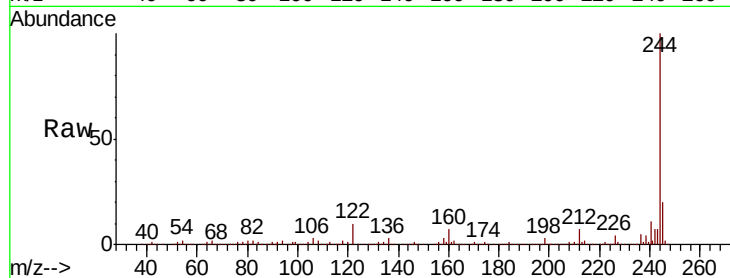
Tot Ion:244 Resp: 1837628

Ion Ratio Lower Upper

244 100

212 7.4 6.6 10.0

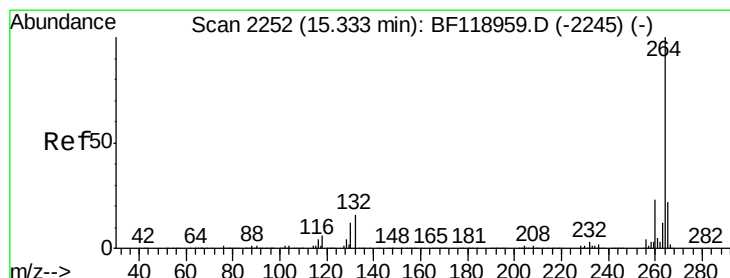
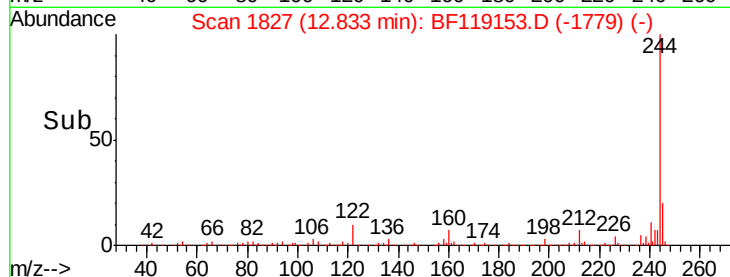
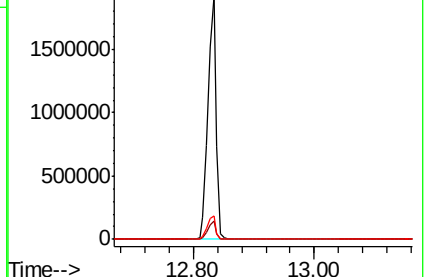
122 9.6 8.2 12.2



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: 15.30 min Scan# 2247

Delta R.T. -0.02 min

Lab File: BF119153.D

Acq: 29 Feb 2020 2:12

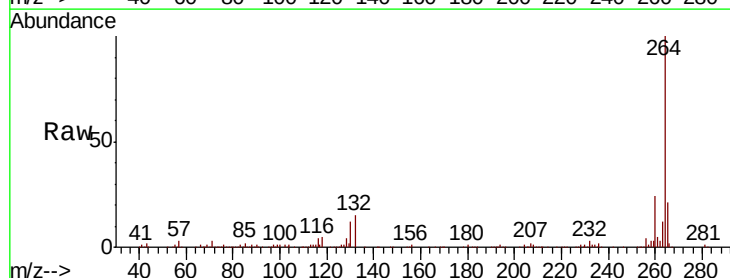
Tgt Ion:264 Resp: 336990

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 21.4 17.7 26.5



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

