

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030520\  
 Data File : BF119227.D  
 Acq On : 5 Mar 2020 22:31  
 Operator : CG/JU  
 Sample : PB127239BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 06 06:30:25 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

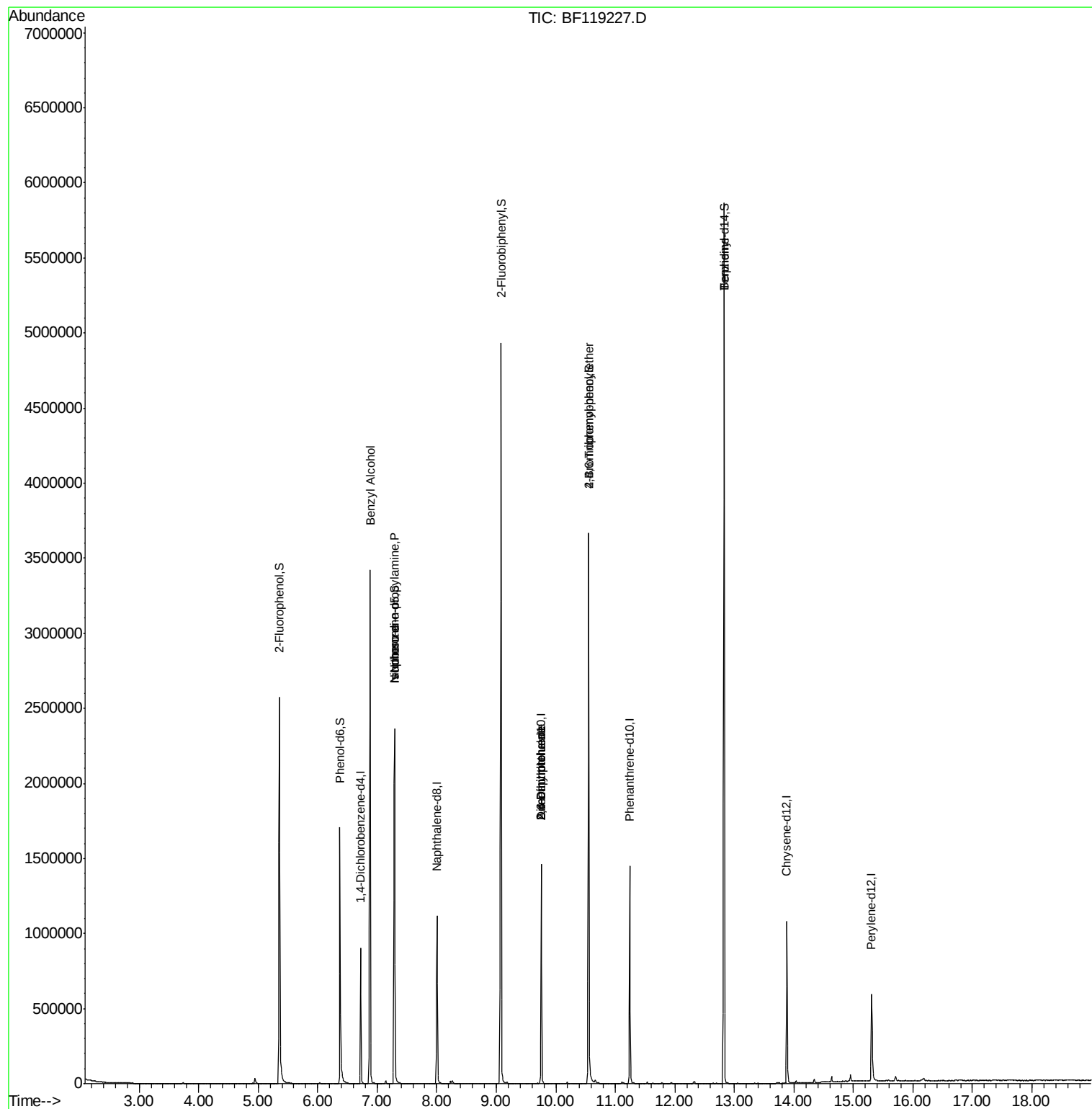
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 142527   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.00  | 136  | 547642   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10           | 9.76  | 164  | 309123   | 20.00  | ng    | -0.03    |
| 64) Phenanthrene-d10           | 11.24 | 188  | 588758   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 13.88 | 240  | 379275   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.30 | 264  | 296950   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.36  | 112  | 788180   | 92.42  | ng    | -0.01    |
| 7) Phenol-d6                   | 6.37  | 99   | 675203   | 65.10  | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 937642   | 90.40  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol       | 10.55 | 330  | 549659   | 135.92 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 9.08  | 172  | 1834440  | 87.42  | ng    | -0.03    |
| 79) Terphenyl-d14              | 12.83 | 244  | 2375762  | 107.84 | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.88  | 79   | 16056    | 2.142  | ng    | # 51     |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 130738   | 21.631 | ng    | # 75     |
| 25) Isophorone                 | 7.29  | 82   | 933464   | 51.821 | ng    | # 63     |
| 50) Dimethylphthalate          | 9.76  | 163  | 65087    | 2.753  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene         | 9.76  | 165  | 39381    | 7.499  | ng    | # 33     |
| 57) 2,4-Dinitrotoluene         | 9.76  | 165  | 39381    | 5.785  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether  | 10.55 | 248  | 35440    | 4.605  | ng    | # 1      |
| 77) Benzidine                  | 12.83 | 184  | 32882    | 2.132  | ng    | # 93     |

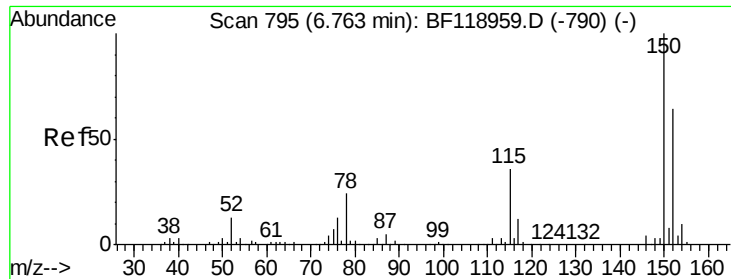
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030520\  
Data File : BF119227.D  
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Sample : PB127239BL  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Mar 06 06:30:25 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



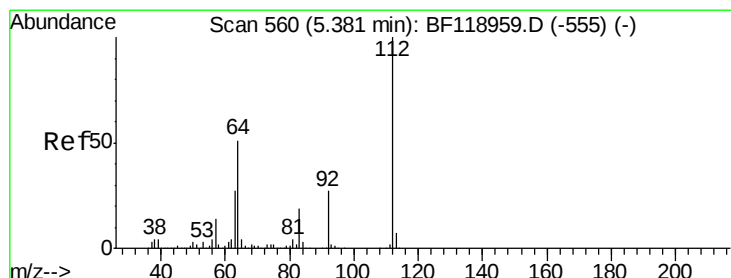
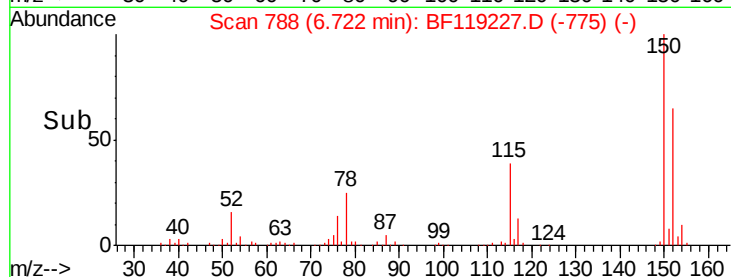
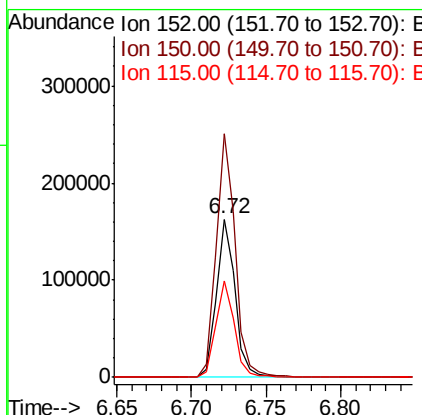
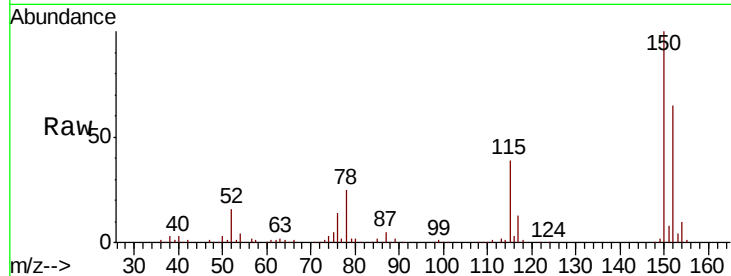


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. -0.02 min  
Lab File: BF119227.D  
Acq: 5 Mar 2020 22:31

Instrument :  
BNA\_F  
ClientSampleId :

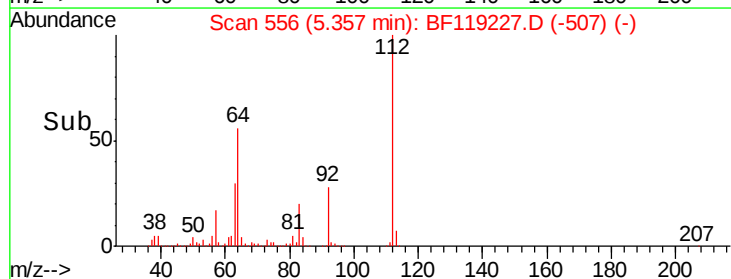
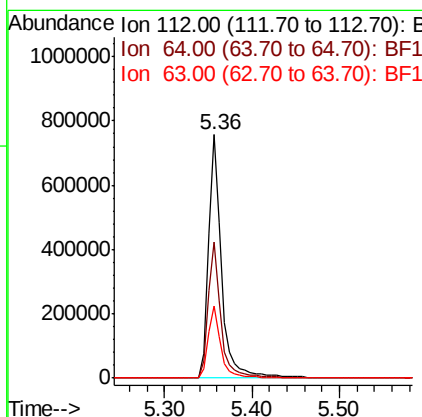
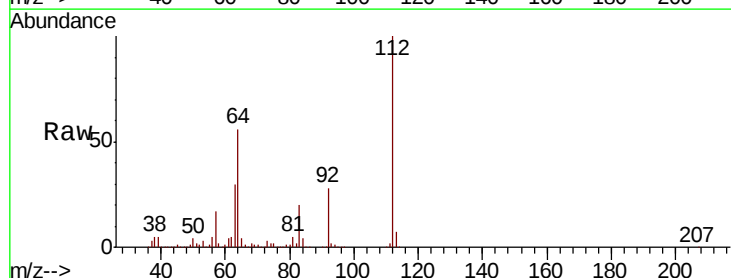
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.2 | 123.0 | 184.6 |
| 115     | 60.7  | 49.5  | 74.3  |

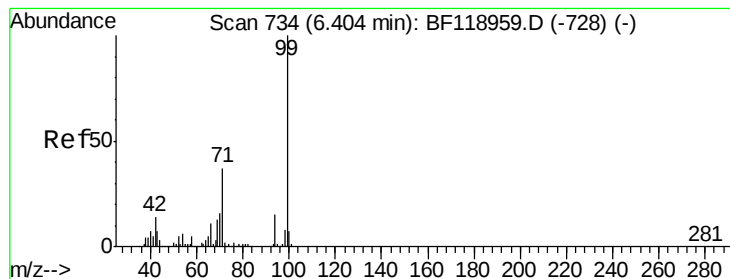


#5

2-Fluorophenol  
Concen: 92.417 ng  
RT: 5.36 min Scan# 556  
Delta R.T. -0.01 min  
Lab File: BF119227.D  
Acq: 5 Mar 2020 22:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.9  | 45.0  | 67.4  |
| 63      | 29.7  | 24.2  | 36.4  |





#7

Phenol-d6

Concen: 65.097 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.03 min

Lab File: BF119227.D

Acq: 5 Mar 2020 22:31

Instrument :

BNA\_F

ClientSampleId :

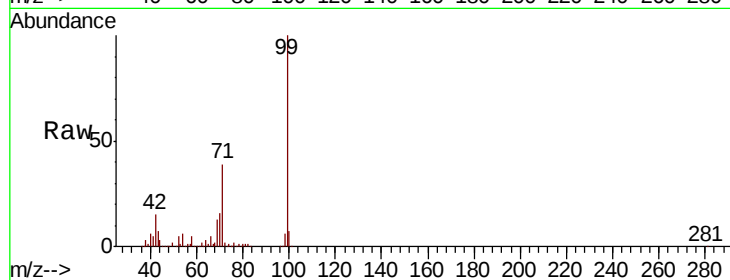
Tot Ion: 99 Resp: 675203

Ion Ratio Lower Upper

99 100

42 15.3 12.6 18.8

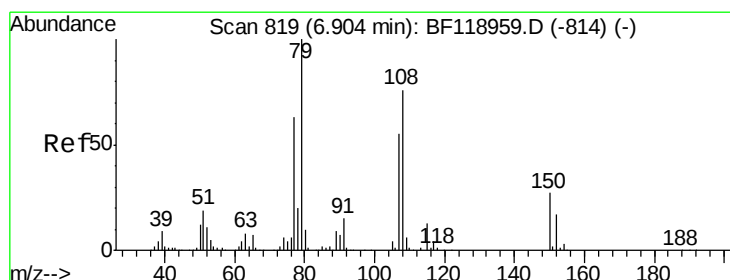
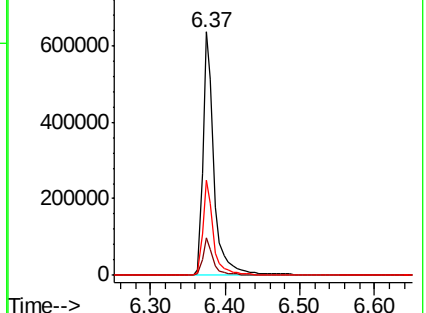
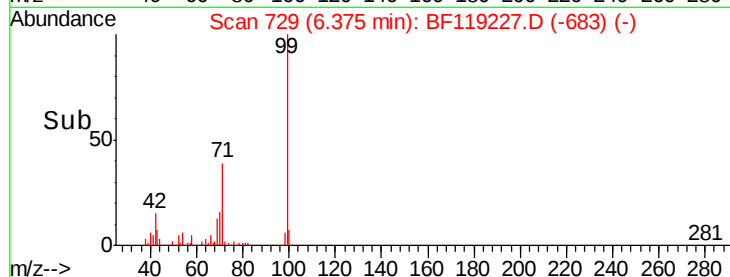
71 39.0 31.0 46.4



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: 2.142 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.02 min

Lab File: BF119227.D

Acq: 5 Mar 2020 22:31

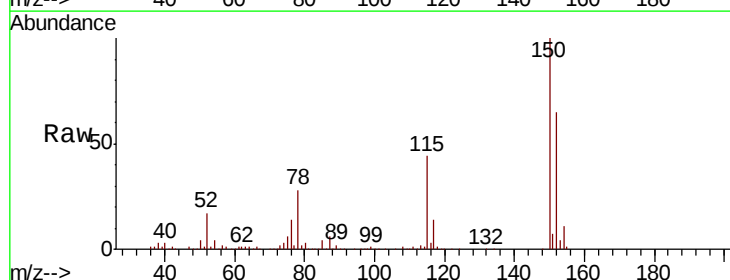
Tgt Ion: 79 Resp: 16056

Ion Ratio Lower Upper

79 100

108 33.1 58.2 87.2#

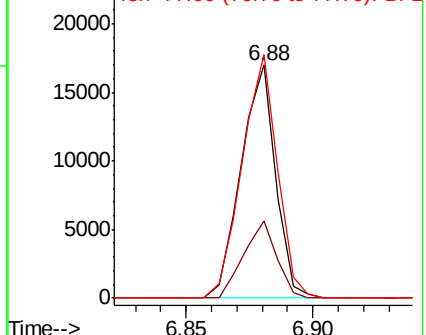
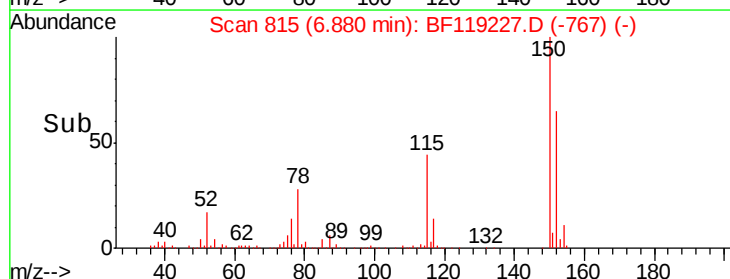
77 104.4 51.2 76.8#

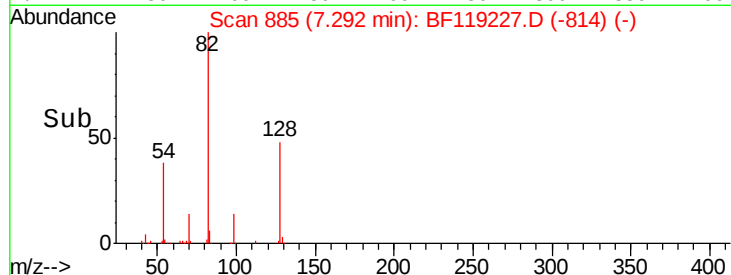
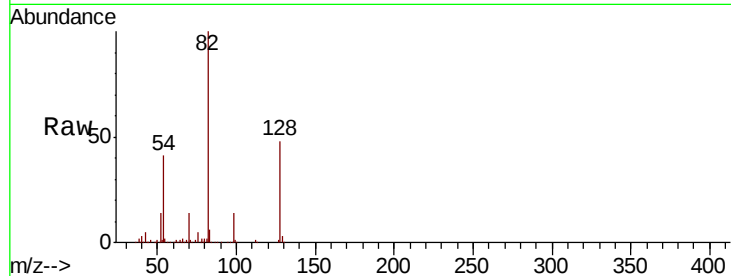


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

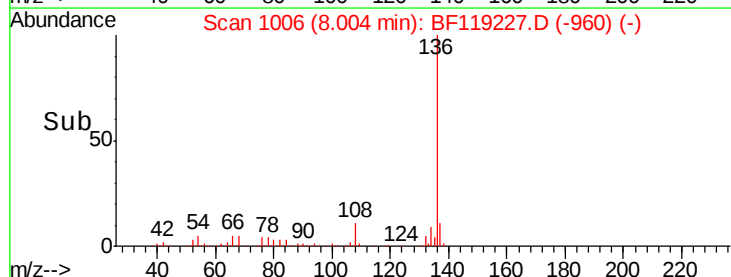
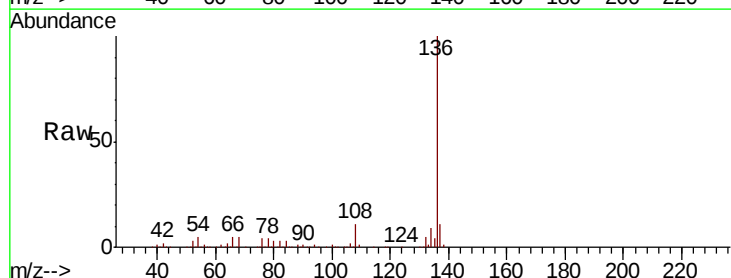
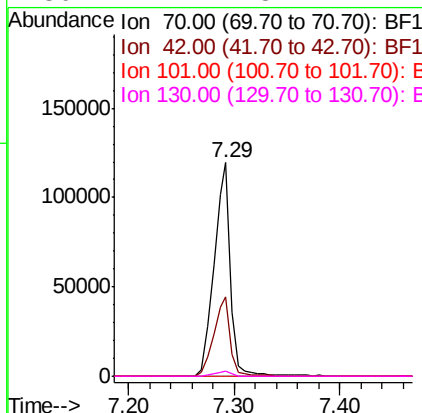




#19  
n-Nitroso-di-n-propylamine  
Concen: 21.631 ng  
RT: 7.29 min Scan# 885  
Delta R.T. 0.12 min  
Lab File: BF119227.D  
Acq: 5 Mar 2020 22:31

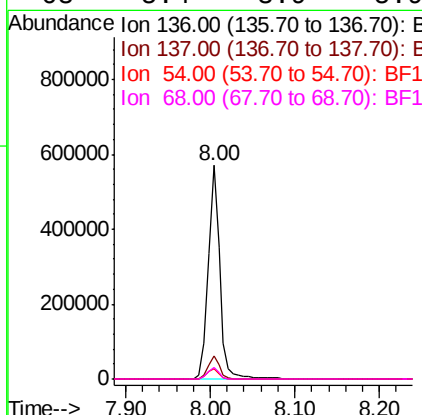
Instrument :  
BNA\_F  
ClientSampleId :

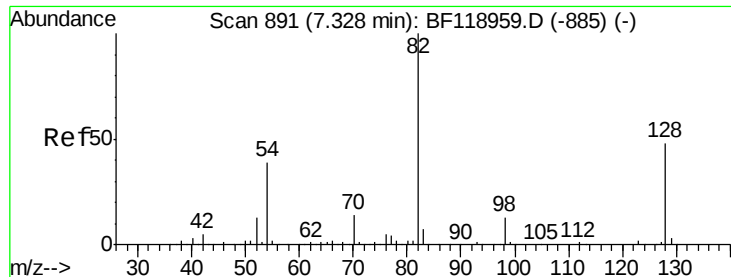
Tot Ion: 70 Resp: 130738  
Ion Ratio Lower Upper  
70 100  
42 37.0 38.0 57.0#  
101 0.0 8.2 12.4#  
130 2.4 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.03 min  
Lab File: BF119227.D  
Acq: 5 Mar 2020 22:31

Tgt Ion: 136 Resp: 547642  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 5.1 3.8 5.6  
68 5.4 3.9 5.9

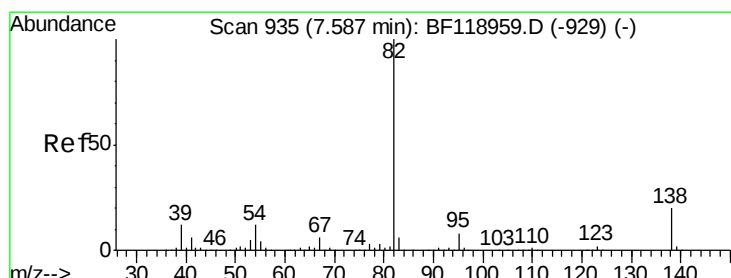
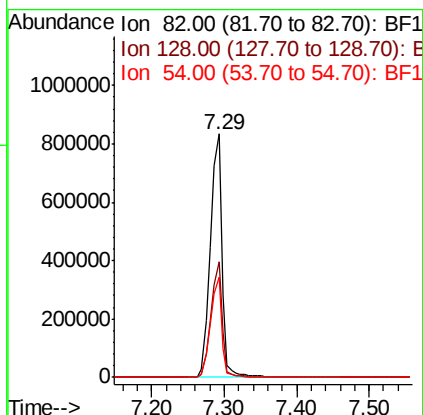
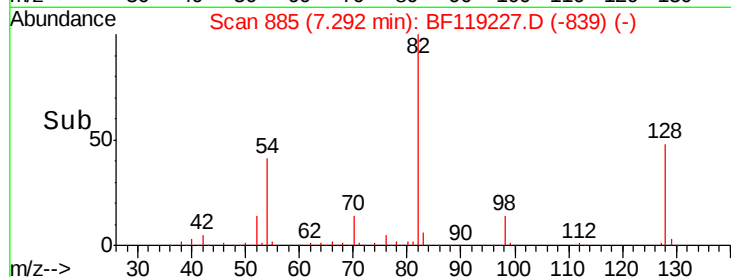
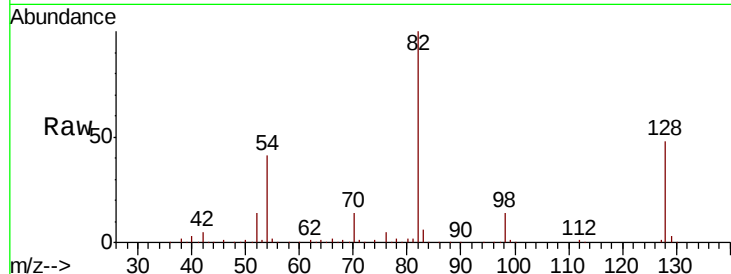




#23  
Nitrobenzene-d5  
Concen: 90.401 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.03 min  
Lab File: BF119227.D  
Acq: 5 Mar 2020 22:31

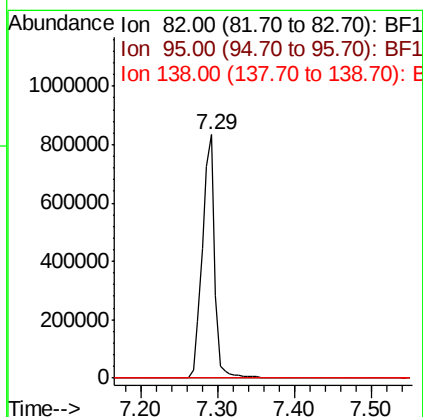
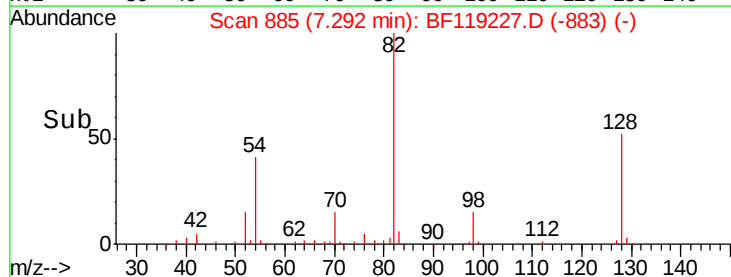
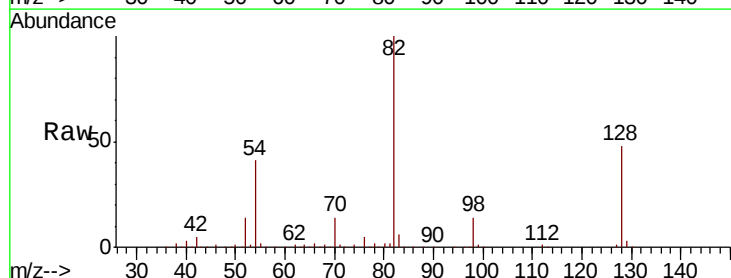
Instrument :  
BNA\_F  
ClientSampleId :

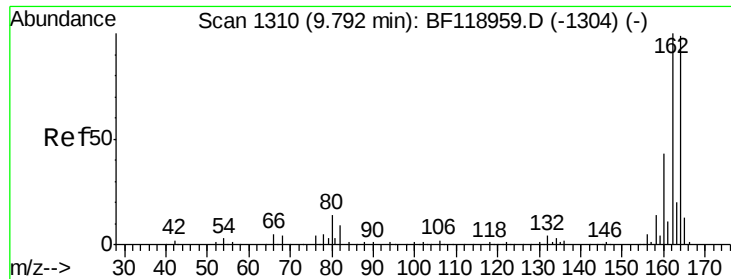
Tot Ion: 82 Resp: 937642  
Ion Ratio Lower Upper  
82 100  
128 47.5 37.9 56.9  
54 41.0 33.4 50.2



#25  
Isophorone  
Concen: 51.821 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.29 min  
Lab File: BF119227.D  
Acq: 5 Mar 2020 22:31

Tgt Ion: 82 Resp: 933464  
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# 1304

Delta R.T. -0.03 min

Lab File: BF119227.D

Acq: 5 Mar 2020 22:31

Instrument :

BNA\_F

ClientSampleId :

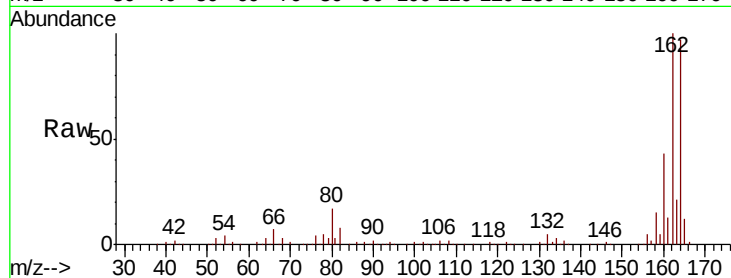
Tot Ion:164 Resp: 309123

Ion Ratio Lower Upper

164 100

162 103.5 81.8 122.8

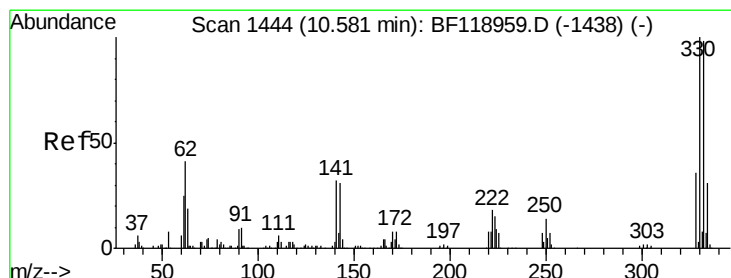
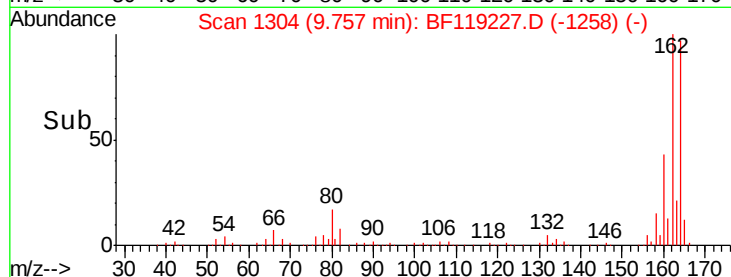
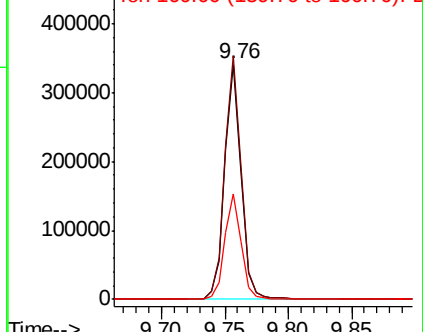
160 44.9 36.0 54.0



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: 135.925 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.02 min

Lab File: BF119227.D

Acq: 5 Mar 2020 22:31

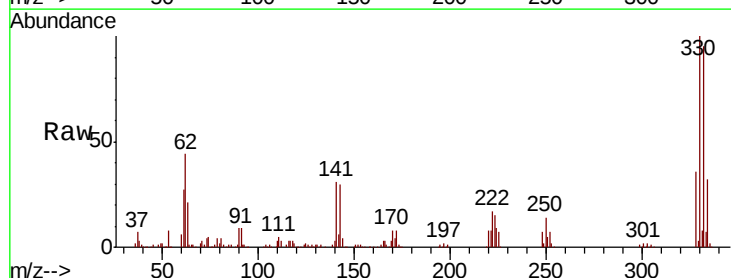
Tgt Ion:330 Resp: 549659

Ion Ratio Lower Upper

330 100

332 97.3 76.0 114.0

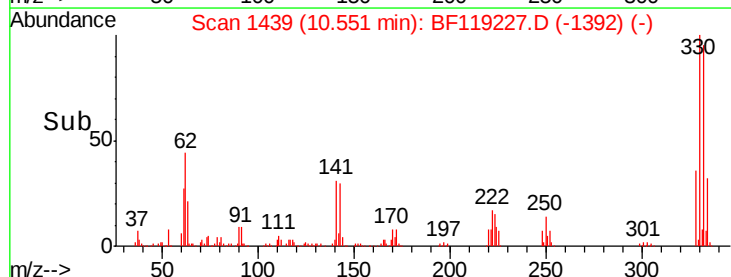
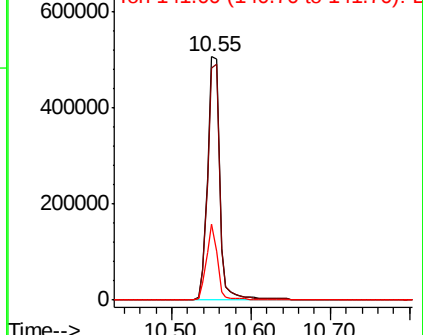
141 28.8 22.9 34.3

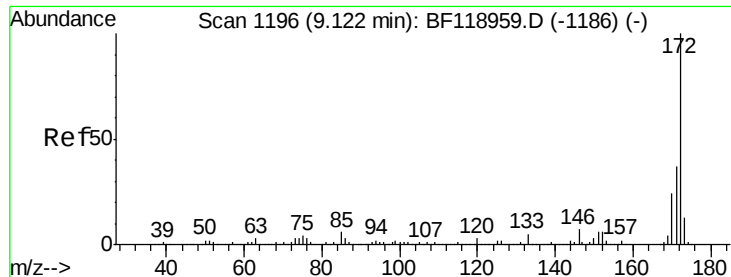


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



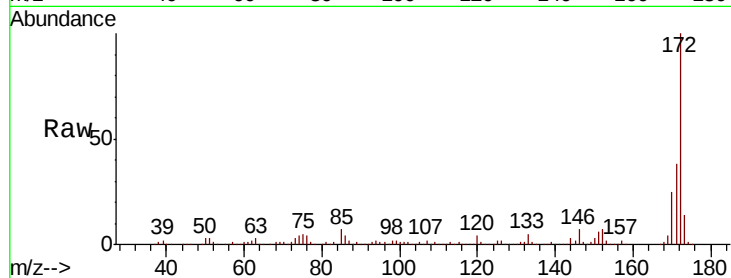


#45  
 2-Fluorobiphenyl  
 Concen: 87.423 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.03 min  
 Lab File: BF119227.D  
 Acq: 5 Mar 2020 22:31

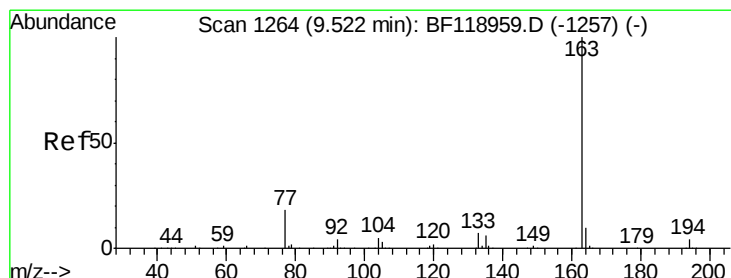
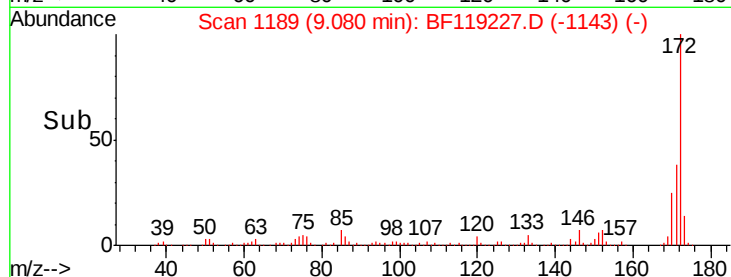
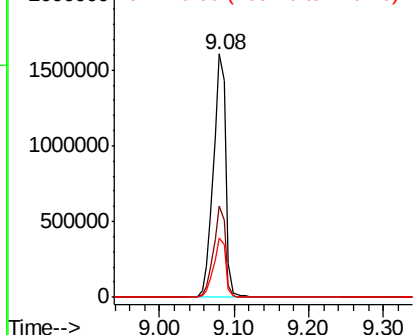
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1834440  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.6  | 30.6  | 45.8  |
| 170 | 24.5  | 20.2  | 30.2  |



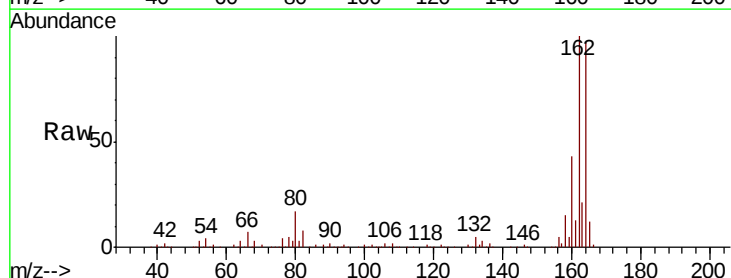
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



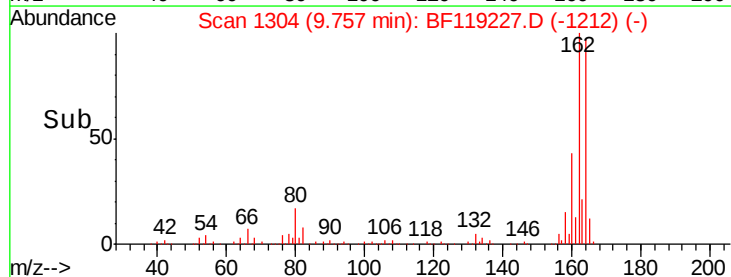
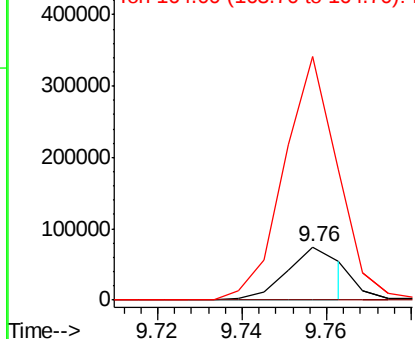
#50  
 Dimethylphthalate  
 Concen: 2.753 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. 0.24 min  
 Lab File: BF119227.D  
 Acq: 5 Mar 2020 22:31

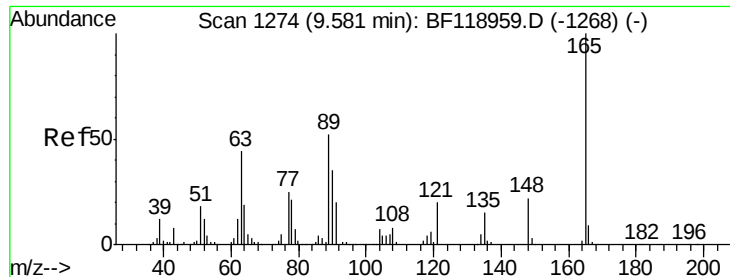
Tgt Ion:163 Resp: 65087  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 0.0   | 3.5   | 5.3#  |
| 164 | 458.3 | 8.4   | 12.6# |



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

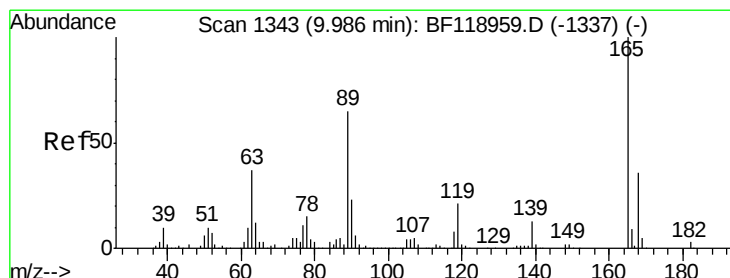
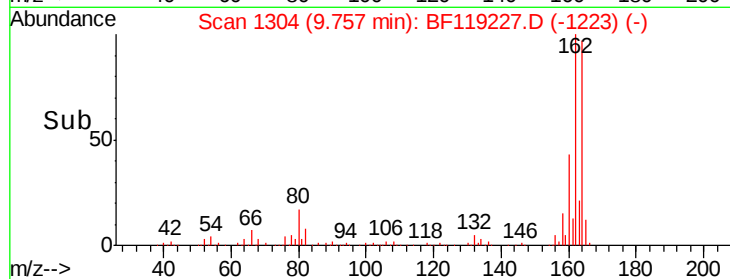
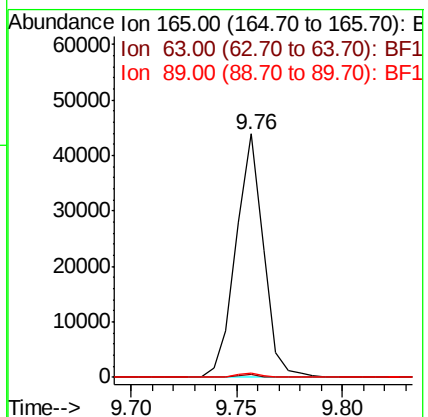
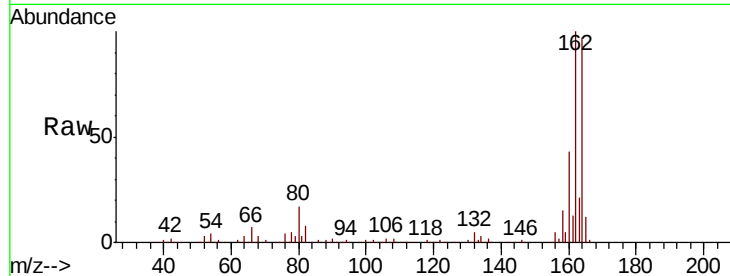




#51  
 2,6-Dinitrotoluene  
 Concen: 7.499 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. 0.18 min  
 Lab File: BF119227.D  
 Acq: 5 Mar 2020 22:31

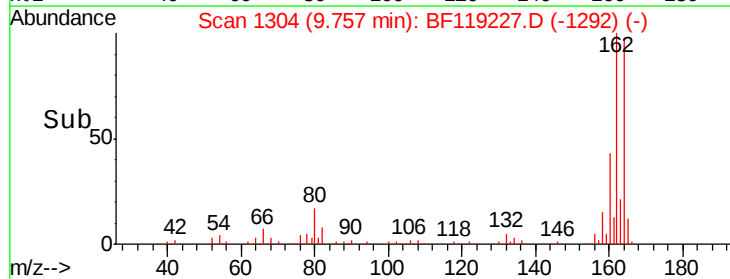
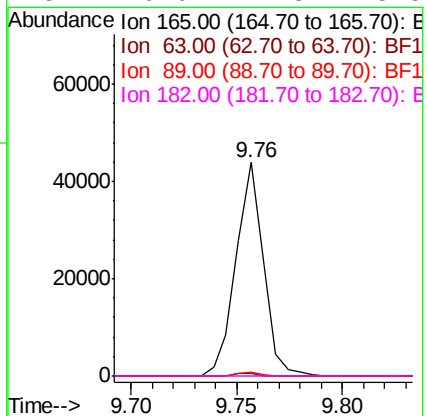
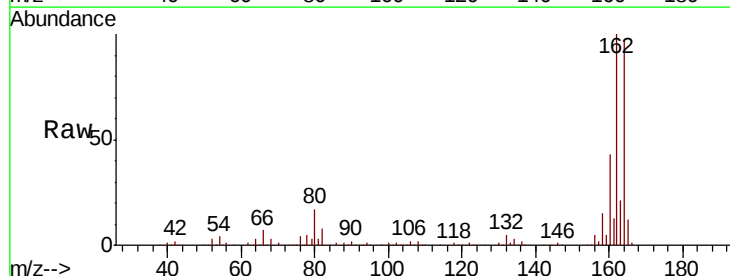
Instrument :  
 BNA\_F  
 ClientSampleId :

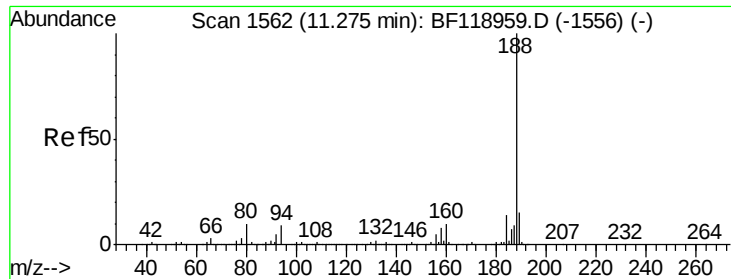
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 34.3  | 51.5# |
| 89      | 1.6   | 38.3  | 57.5# |



#57  
 2,4-Dinitrotoluene  
 Concen: 5.785 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.23 min  
 Lab File: BF119227.D  
 Acq: 5 Mar 2020 22:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 42.3  | 63.5# |
| 89      | 1.6   | 60.2  | 90.4# |
| 182     | 0.0   | 2.3   | 3.5#  |

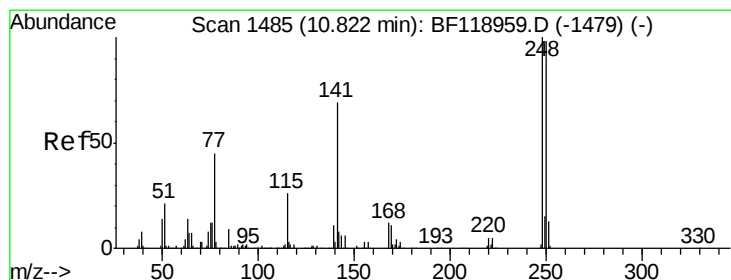
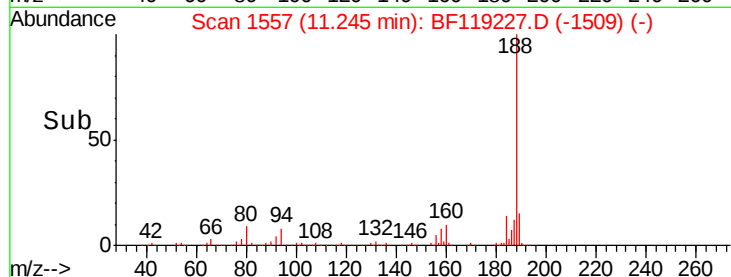
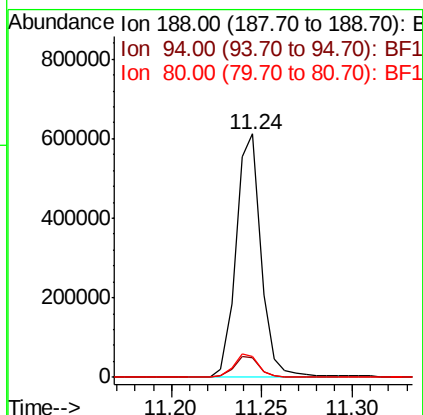
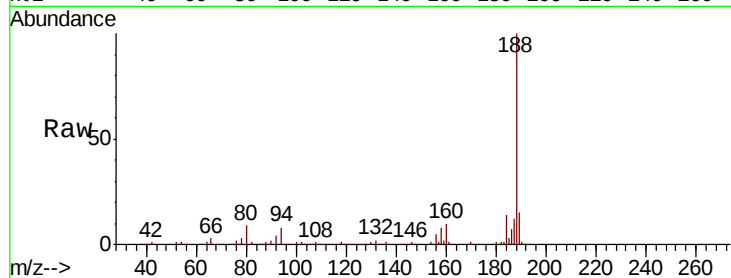




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.24 min Scan# 1557  
 Delta R.T. -0.02 min  
 Lab File: BF119227.D  
 Acq: 5 Mar 2020 22:31

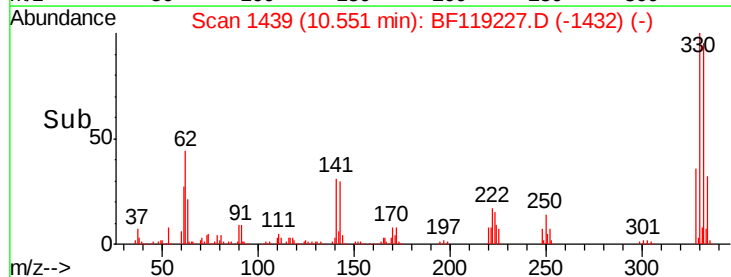
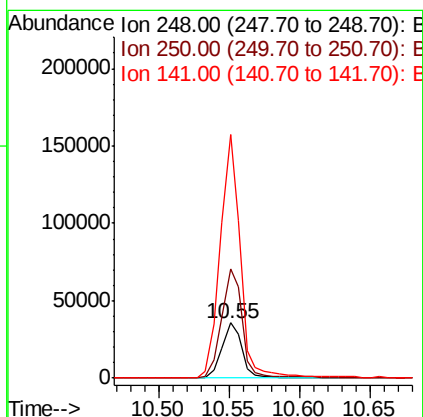
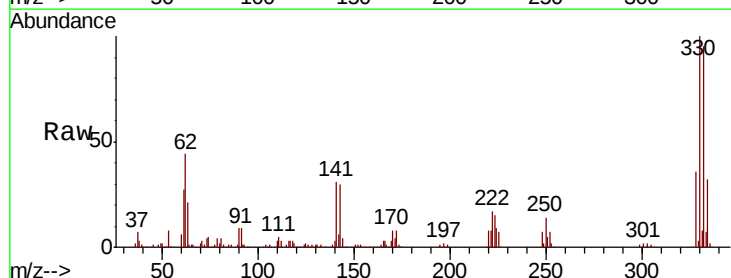
Instrument :  
 BNA\_F  
 ClientSampleId :

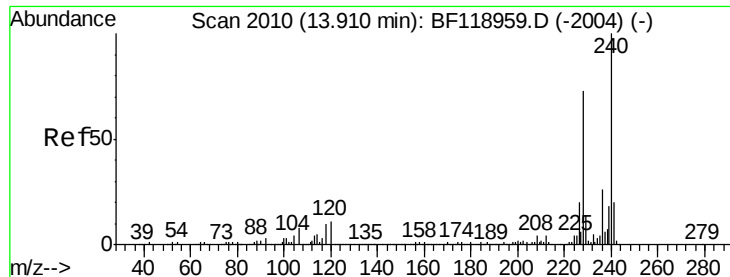
Tot Ion:188 Resp: 588758  
 Ion Ratio Lower Upper  
 188 100  
 94 7.9 7.1 10.7  
 80 8.8 7.8 11.8



#67  
 4-Bromophenyl-phenylether  
 Concen: 4.605 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. -0.26 min  
 Lab File: BF119227.D  
 Acq: 5 Mar 2020 22:31

Tgt Ion:248 Resp: 35440  
 Ion Ratio Lower Upper  
 248 100  
 250 199.2 76.7 115.1#  
 141 441.6 60.7 91.1#

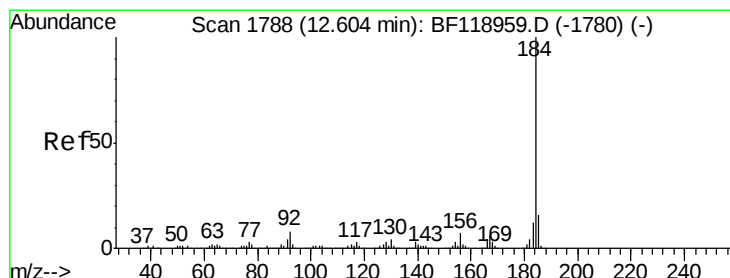
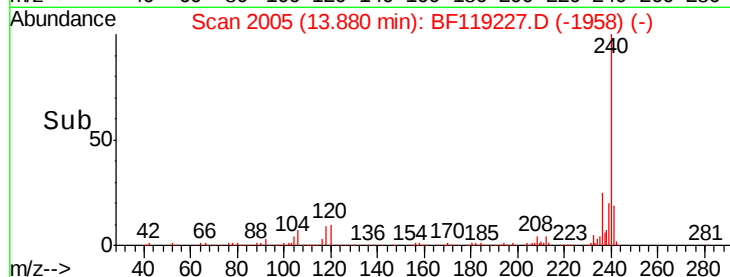
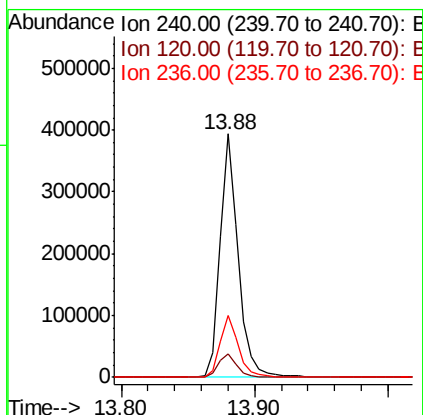
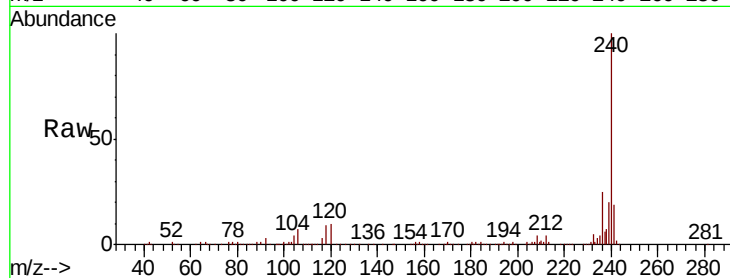




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.88 min Scan# 2005  
 Delta R.T. -0.02 min  
 Lab File: BF119227.D  
 Acq: 5 Mar 2020 22:31

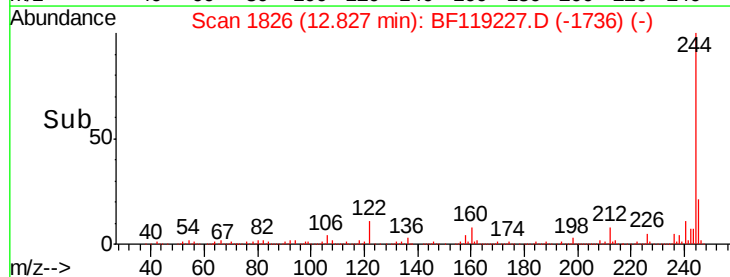
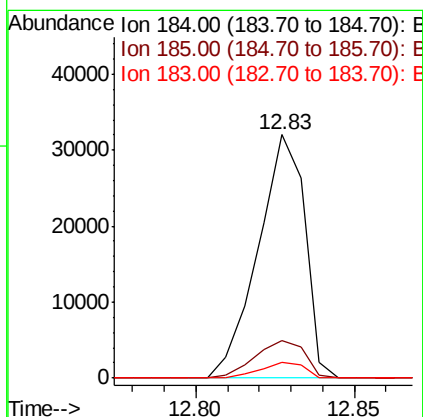
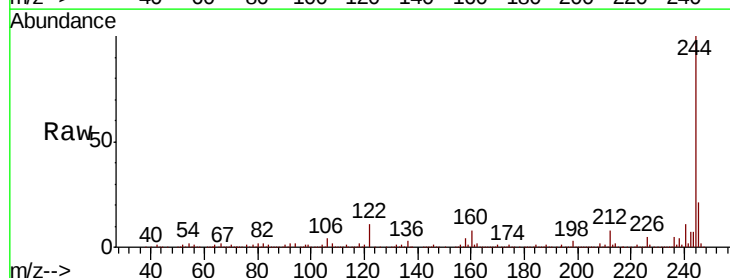
Instrument :  
 BNA\_F  
 ClientSampled :

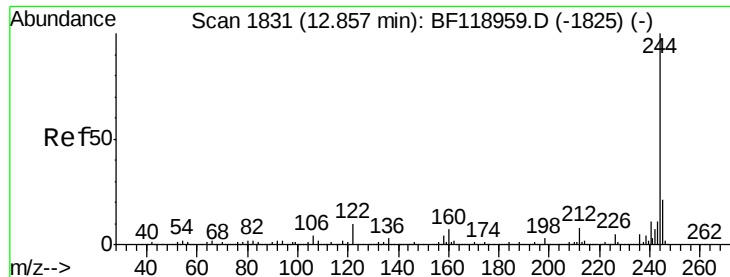
Tot Ion:240 Resp: 379275  
 Ion Ratio Lower Upper  
 240 100  
 120 9.6 8.4 12.6  
 236 25.2 21.0 31.4



#77  
 Benzidine  
 Concen: 2.132 ng  
 RT: 12.83 min Scan# 1826  
 Delta R.T. 0.23 min  
 Lab File: BF119227.D  
 Acq: 5 Mar 2020 22:31

Tgt Ion:184 Resp: 32882  
 Ion Ratio Lower Upper  
 184 100  
 185 15.6 12.2 18.4  
 183 6.7 9.9 14.9#





#79

Terphenyl-d14

Concen: 107.845 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF119227.D

Acq: 5 Mar 2020 22:31

Instrument :

BNA\_F

ClientSampleId :

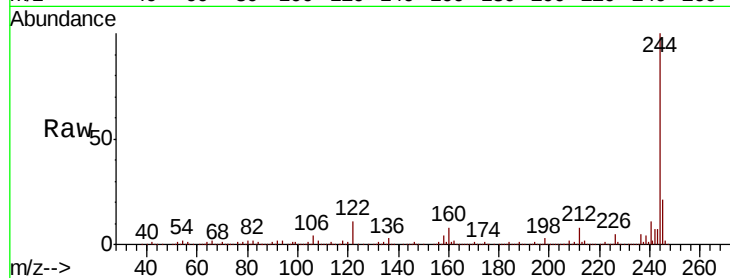
Tot Ion:244 Resp: 2375762

Ion Ratio Lower Upper

244 100

212 7.9 6.6 10.0

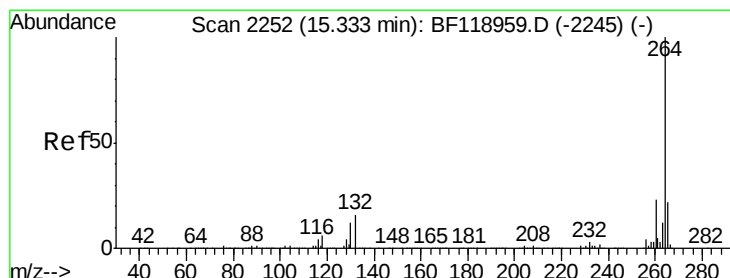
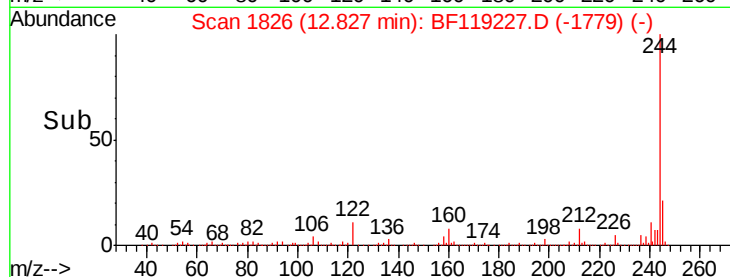
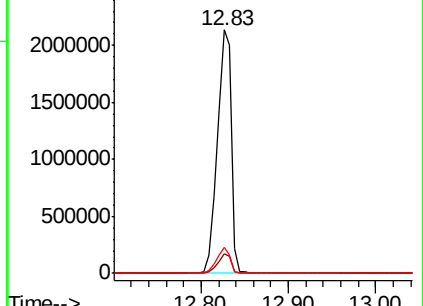
122 10.5 8.2 12.2



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: BF119227.D

Acq: 5 Mar 2020 22:31

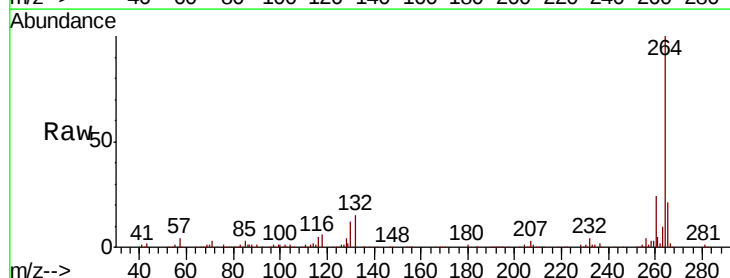
Tgt Ion:264 Resp: 296950

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 20.8 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

