

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\  
 Data File : BF119065.D  
 Acq On : 25 Feb 2020 15:21  
 Operator : CG/JU  
 Sample : L1586-08  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 26 01:26:32 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 20 17:40:17 2020  
 Response via : Initial Calibration

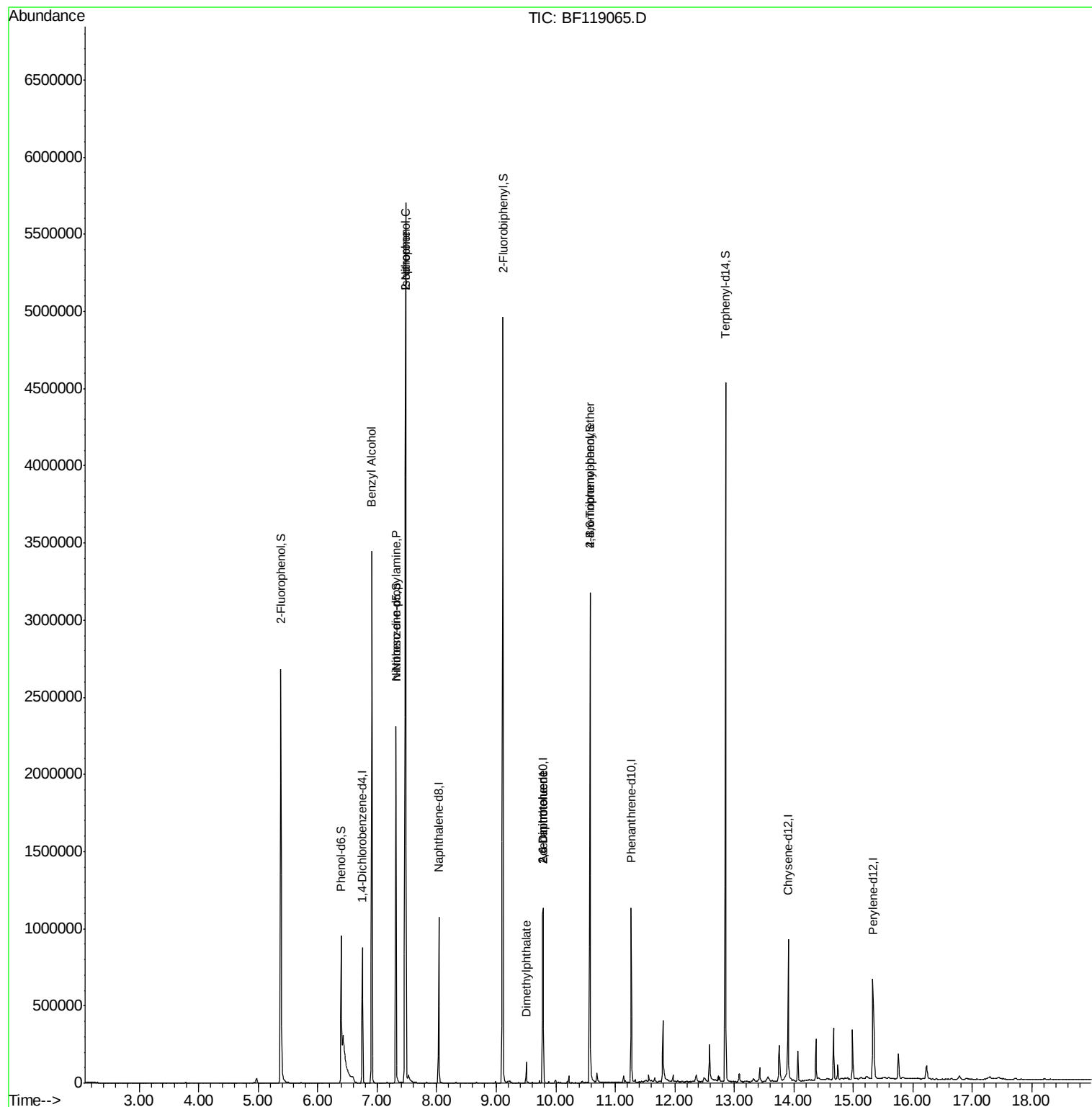
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.75  | 152  | 127852   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.03  | 136  | 481907   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.79  | 164  | 259044   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.27 | 188  | 450233   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.90 | 240  | 315370   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.33 | 264  | 310346   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.38  | 112  | 811590   | 106.08 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.39  | 99   | 417993   | 44.92  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.32  | 82   | 817699   | 89.59  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.57 | 330  | 426142   | 125.75 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.11  | 172  | 1623592  | 92.33  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.85 | 244  | 1704225  | 93.04  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.91  | 79   | 15192    | 2.259  | ng    | # 50     |
| 19) n-Nitroso-di-n-propylamine | 7.32  | 70   | 113079   | 20.857 | ng    | # 76     |
| 25) Isophorone                 | 7.48  | 82   | 422251   | 26.639 | ng    | # 83     |
| 26) 2-Nitrophenol              | 7.48  | 139  | 140819   | 29.446 | ng    | # 1      |
| 50) Dimethylphthalate          | 9.50  | 163  | 66164    | 3.340  | ng    | 96       |
| 51) 2,6-Dinitrotoluene         | 9.79  | 165  | 32706    | 7.432  | ng    | # 30     |
| 57) 2,4-Dinitrotoluene         | 9.79  | 165  | 32706    | 5.733  | ng    | # 29     |
| 67) 4-Bromophenyl-phenylether  | 10.57 | 248  | 27853    | 4.733  | ng    | # 1      |

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

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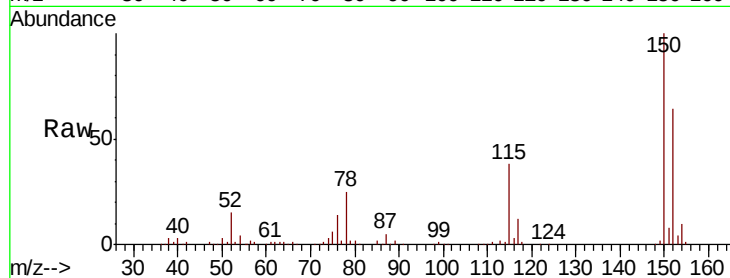


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF119065.D  
Acq: 25 Feb 2020 15:21

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.0 | 124.3 | 186.5 |
| 115     | 60.3  | 44.6  | 67.0  |

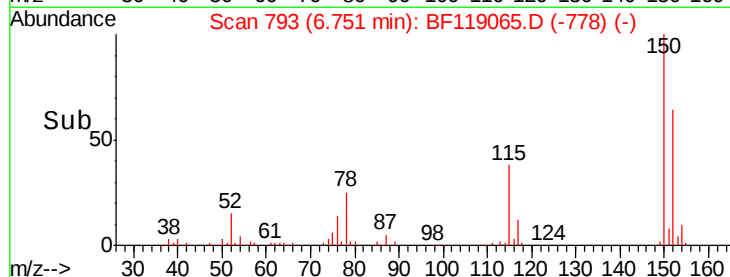
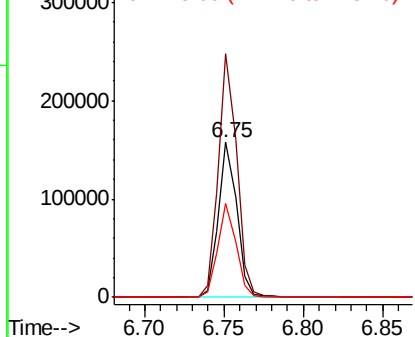


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

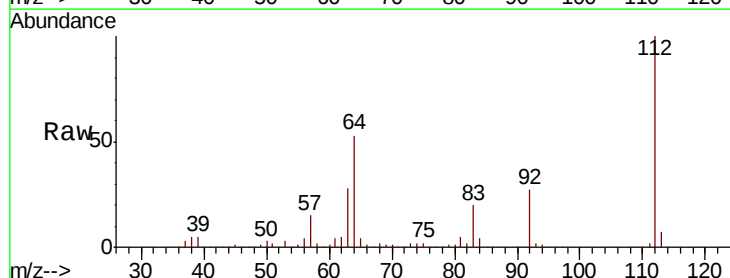
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 106.084 ng  
RT: 5.38 min Scan# 560  
Delta R.T. -0.00 min  
Lab File: BF119065.D  
Acq: 25 Feb 2020 15:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 52.5  | 40.4  | 60.6  |
| 63      | 27.7  | 21.3  | 31.9  |

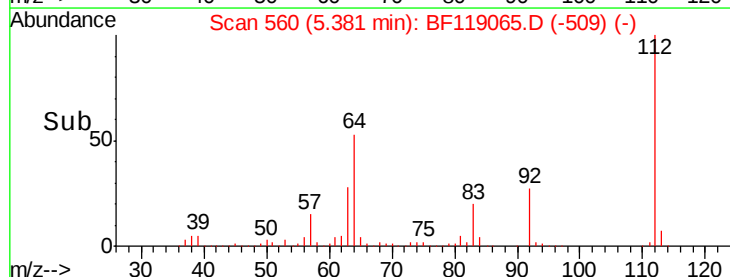
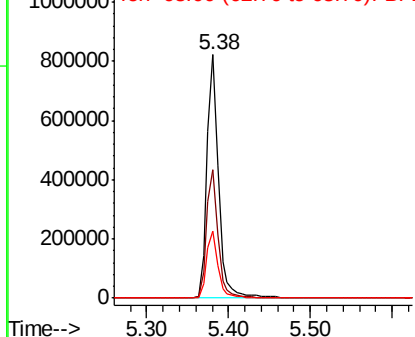


Abundance

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: 44.925 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119065.D

Acq: 25 Feb 2020 15:21

Instrument :

BNA\_F

ClientSampleId :

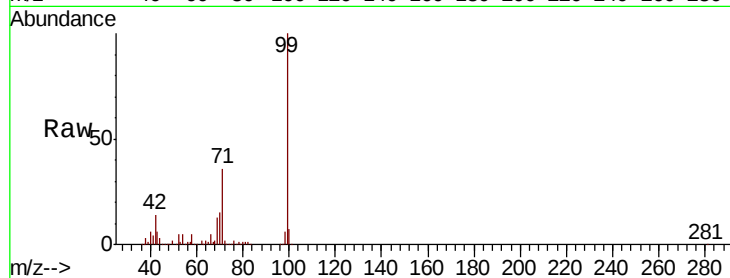
Tot Ion: 99 Resp: 417993

Ion Ratio Lower Upper

99 100

42 13.8 11.4 17.0

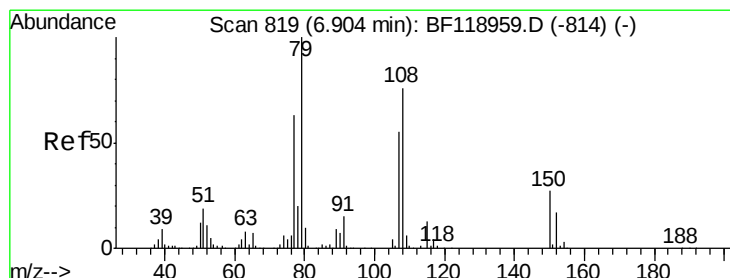
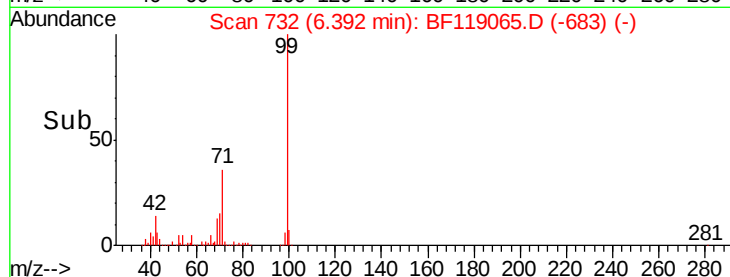
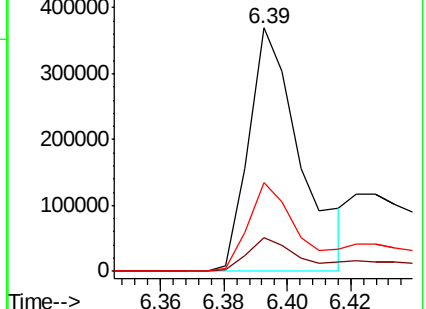
71 36.4 29.8 44.6



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: 2.259 ng

RT: 6.91 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF119065.D

Acq: 25 Feb 2020 15:21

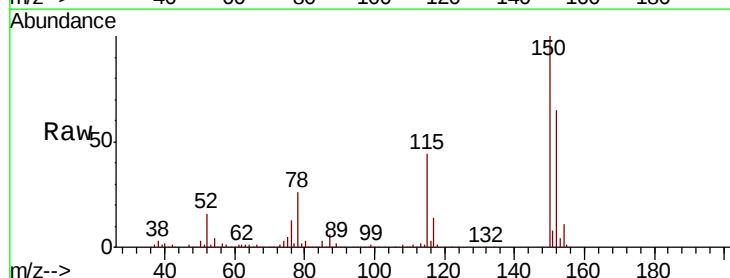
Tgt Ion: 79 Resp: 15192

Ion Ratio Lower Upper

79 100

108 30.7 61.1 91.7#

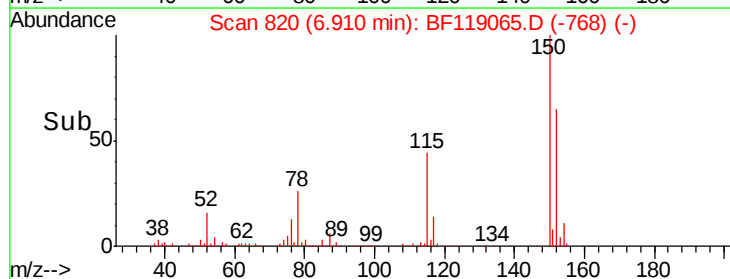
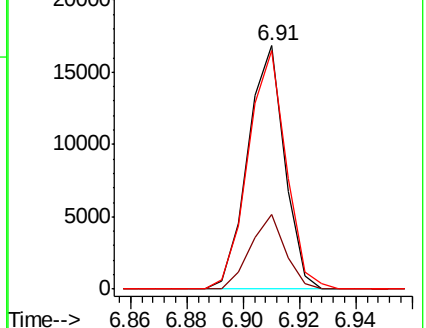
77 97.8 50.2 75.2#

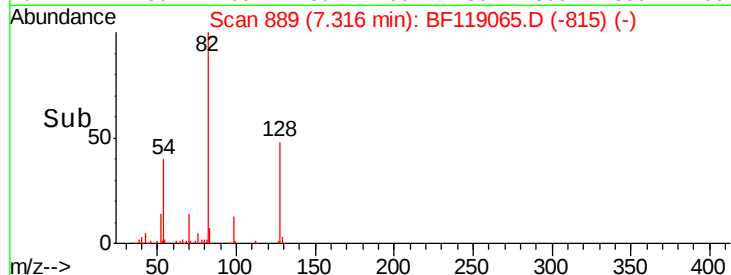
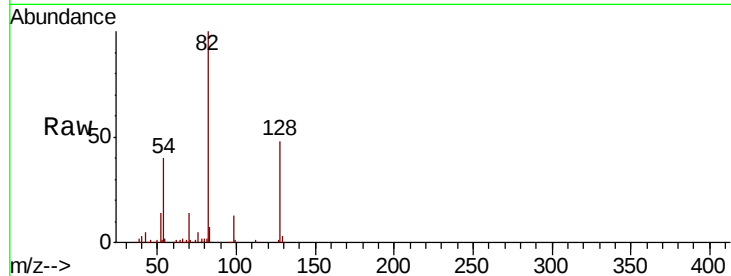


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

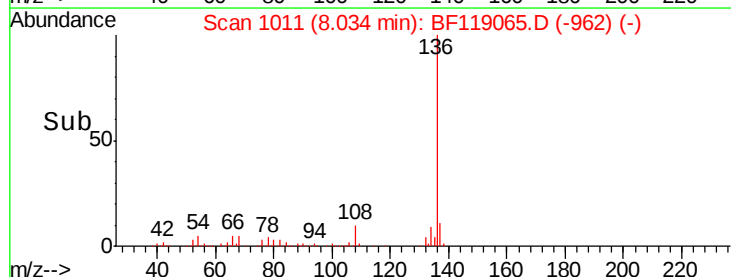
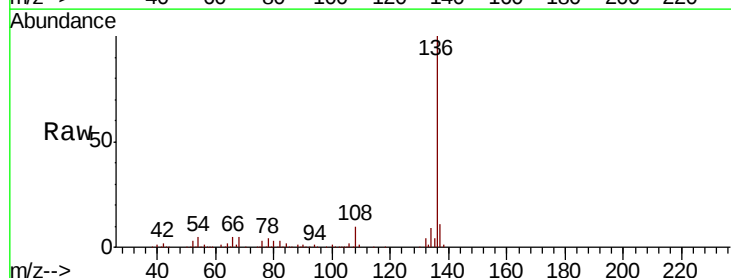
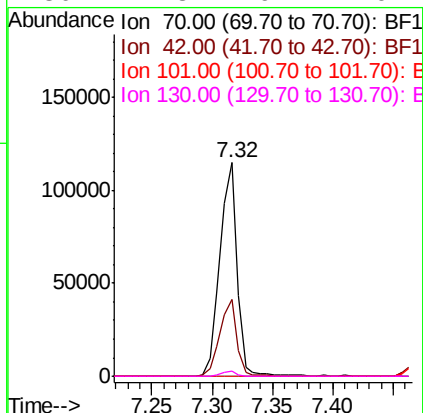




#19  
n-Nitroso-di-n-propylamine  
Concen: 20.857 ng  
RT: 7.32 min Scan# 889  
Delta R.T. 0.14 min  
Lab File: BF119065.D  
Acq: 25 Feb 2020 15:21

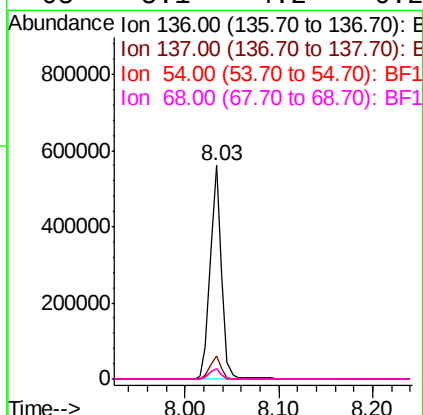
Instrument :  
BNA\_F  
ClientSampleId :

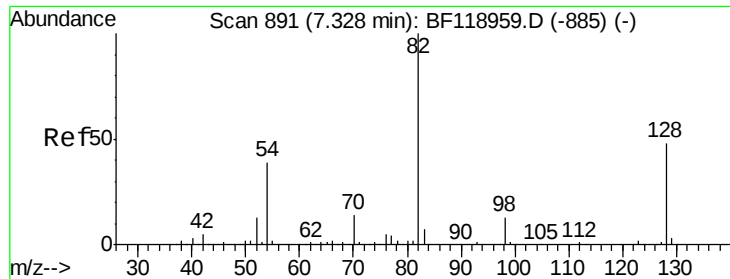
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 113079 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 36.1  | 34.6  | 51.8   |
| 101      | 0.0   | 8.1   | 12.1#  |
| 130      | 2.3   | 19.4  | 29.2#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.03 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: BF119065.D  
Acq: 25 Feb 2020 15:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 481907 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.9   | 13.3   |
| 54       | 4.5   | 3.8   | 5.6    |
| 68       | 5.1   | 4.2   | 6.2    |

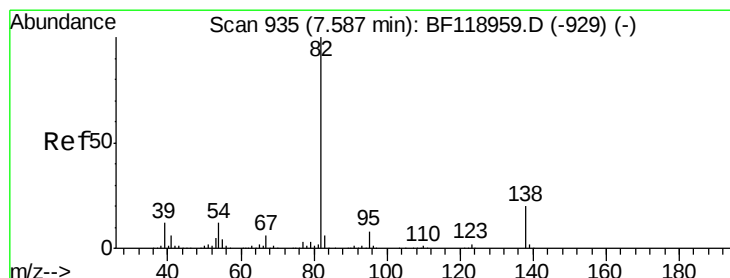
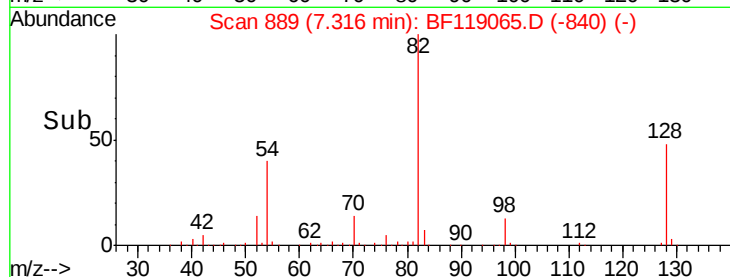
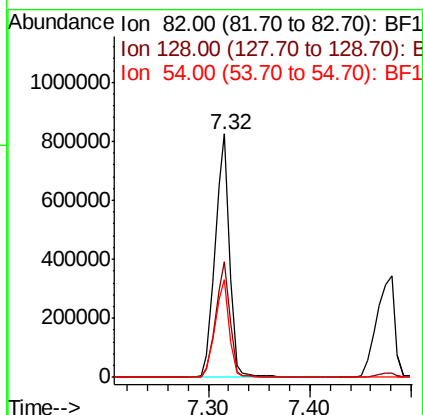
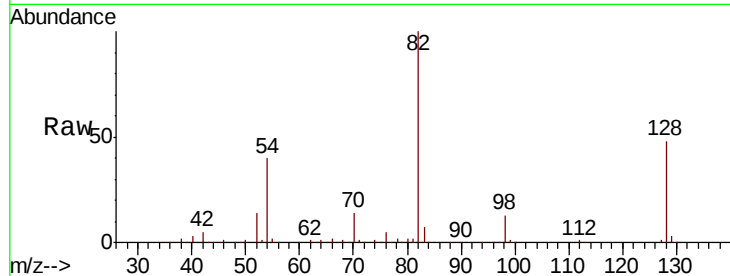




#23  
 Nitrobenzene-d5  
 Concen: 89.591 ng  
 RT: 7.32 min Scan# 889  
 Delta R.T. -0.01 min  
 Lab File: BF119065.D  
 Acq: 25 Feb 2020 15:21

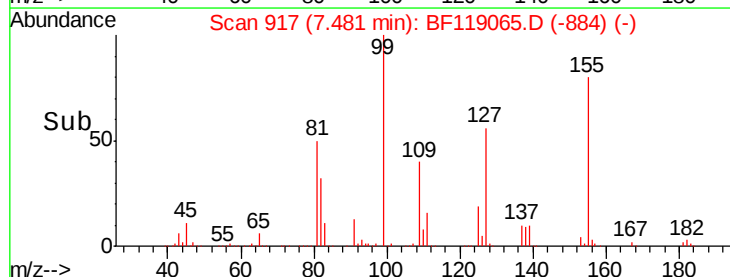
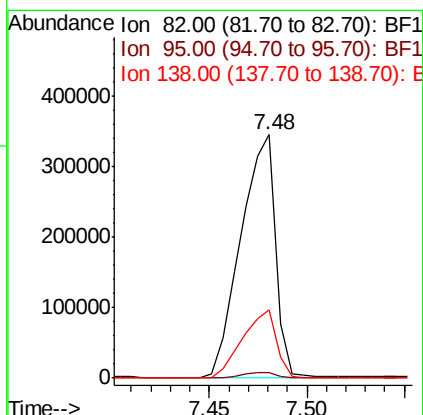
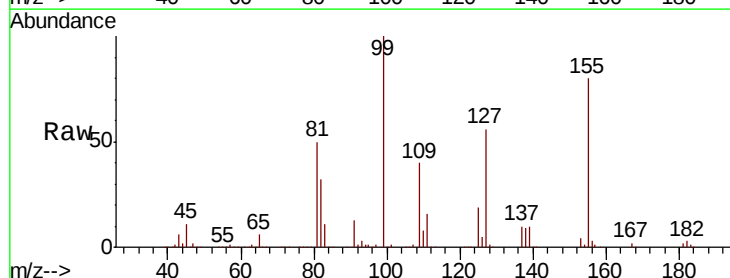
Instrument :  
 BNA\_F  
 ClientSampled :

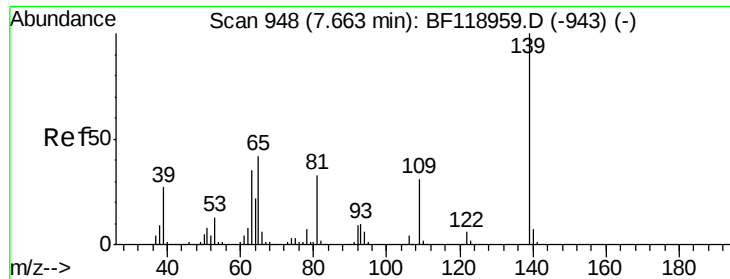
| Tot Ion   | 82    | Resp  | 817699 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.6  | 38.2  | 57.2   |
| 54        | 40.4  | 31.3  | 46.9   |



#25  
 Isophorone  
 Concen: 26.639 ng  
 RT: 7.48 min Scan# 917  
 Delta R.T. -0.11 min  
 Lab File: BF119065.D  
 Acq: 25 Feb 2020 15:21

| Tgt Ion   | 82    | Resp  | 422251 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 2.4   | 6.1   | 9.1#   |
| 138       | 28.0  | 15.8  | 23.6#  |

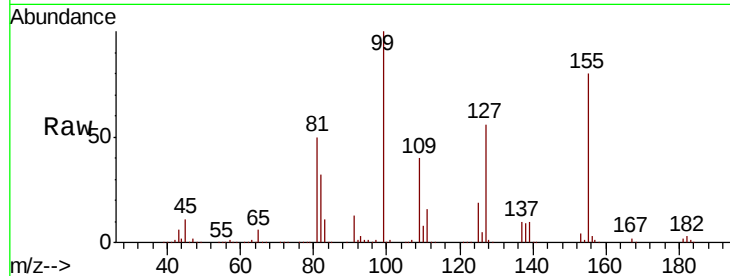




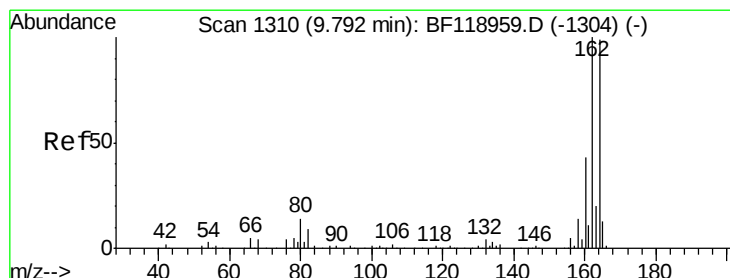
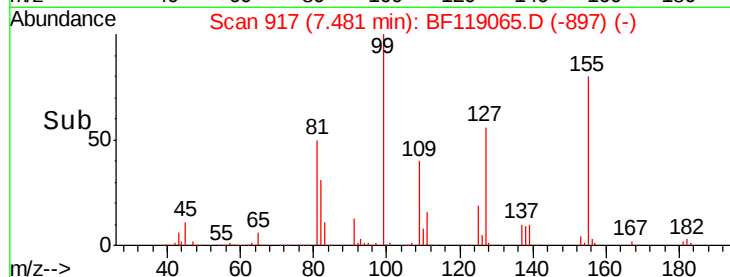
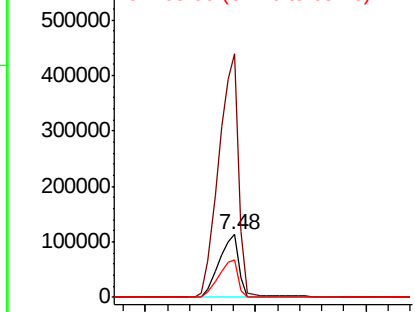
#26  
2-Nitrophenol  
Concen: 29.446 ng  
RT: 7.48 min Scan# 917  
Delta R.T. -0.18 min  
Lab File: BF119065.D  
Acq: 25 Feb 2020 15:21

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:139 Resp: 140819  
Ion Ratio Lower Upper  
139 100  
109 386.6 24.6 36.8#  
65 60.3 33.6 50.4#

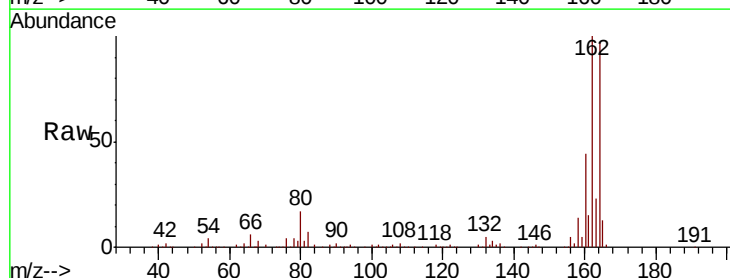


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

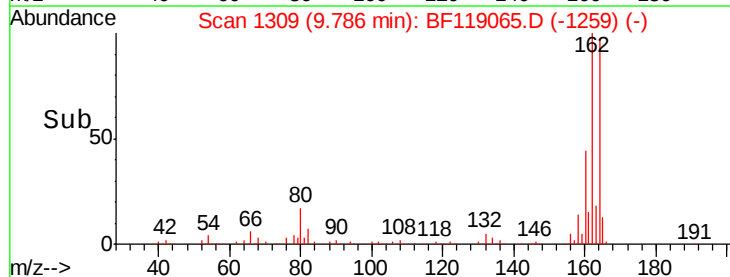
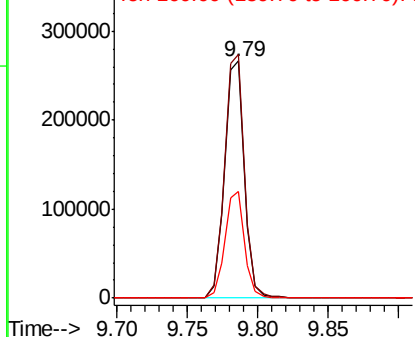


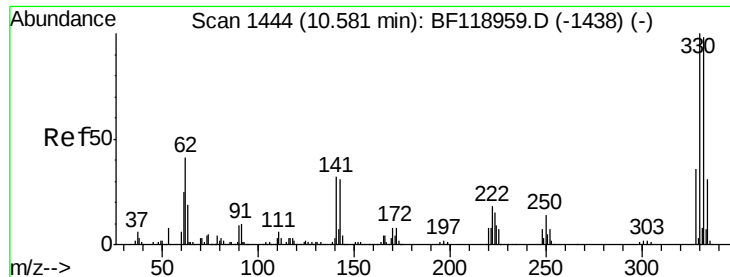
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.79 min Scan# 1309  
Delta R.T. -0.01 min  
Lab File: BF119065.D  
Acq: 25 Feb 2020 15:21

Tgt Ion:164 Resp: 259044  
Ion Ratio Lower Upper  
164 100  
162 102.8 81.2 121.8  
160 44.9 35.2 52.8



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

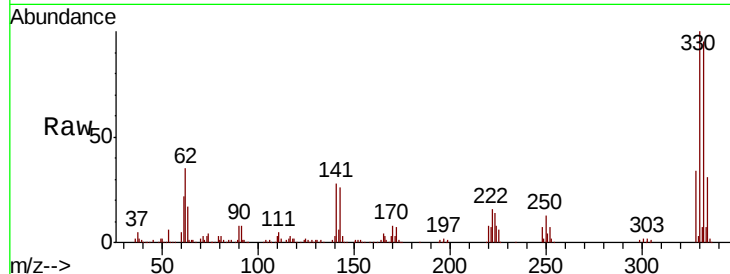




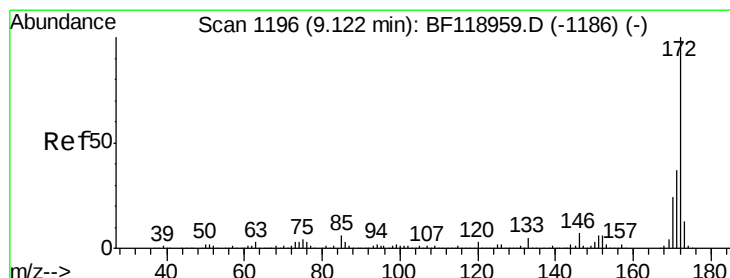
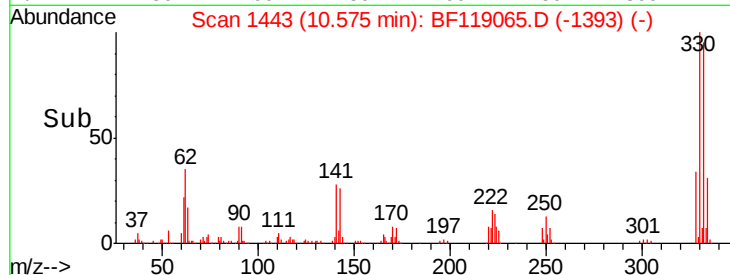
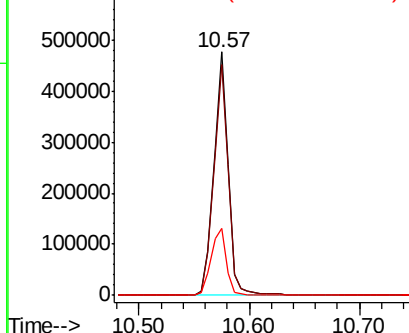
#42  
 2,4,6-Tribromophenol  
 Concen: 125.753 ng  
 RT: 10.57 min Scan# 1443  
 Delta R.T. -0.01 min  
 Lab File: BF119065.D  
 Acq: 25 Feb 2020 15:21

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 426142  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.1 115.7  
 141 29.3 23.0 34.6

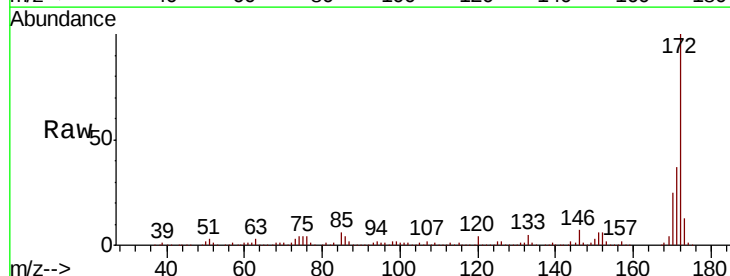


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

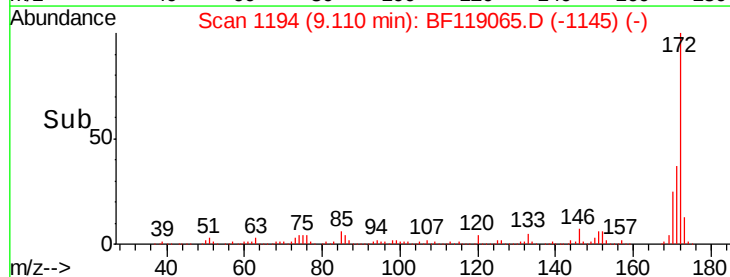
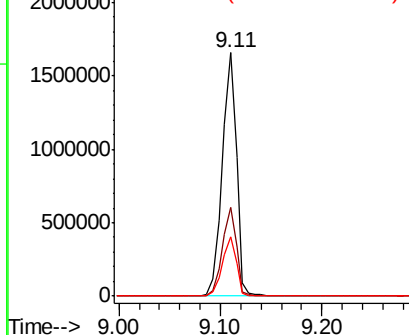


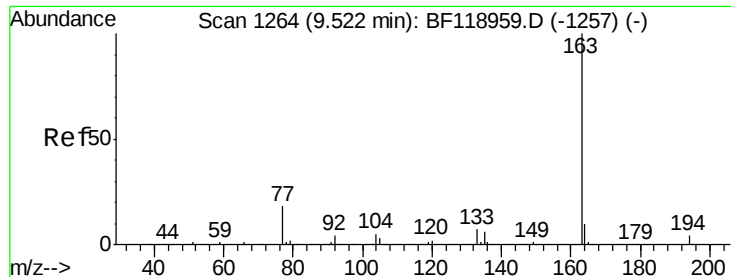
#45  
 2-Fluorobiphenyl  
 Concen: 92.333 ng  
 RT: 9.11 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF119065.D  
 Acq: 25 Feb 2020 15:21

Tgt Ion:172 Resp: 1623592  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.4 44.2  
 170 24.6 19.6 29.4



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

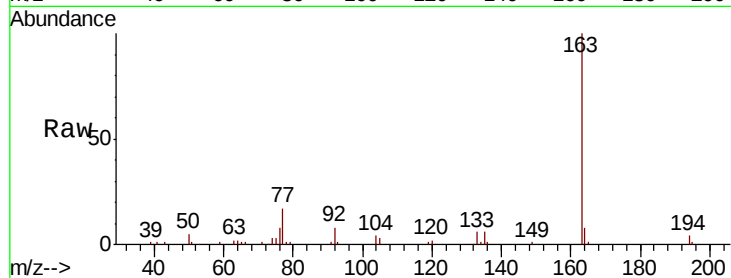




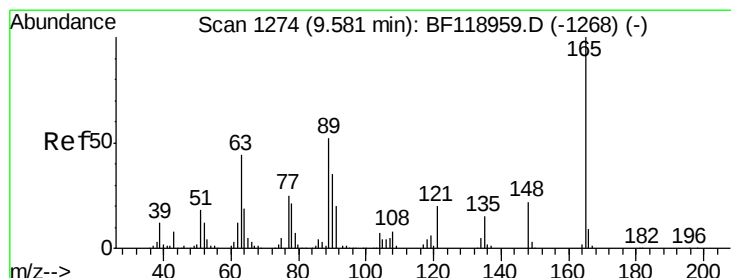
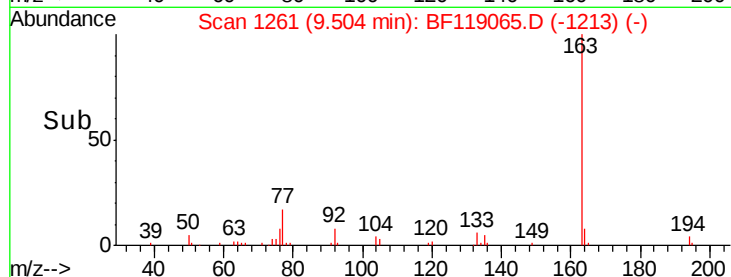
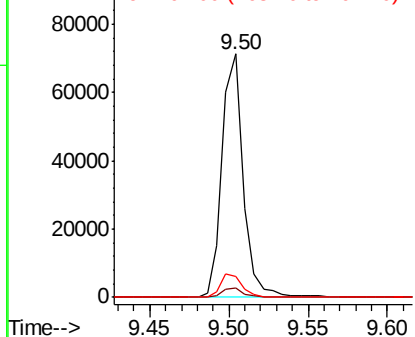
#50  
Dimethylphthalate  
Concen: 3.340 ng  
RT: 9.50 min Scan# 1261  
Delta R.T. -0.02 min  
Lab File: BF119065.D  
Acq: 25 Feb 2020 15:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 66164  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.4 5.2  
164 8.4 8.2 12.2

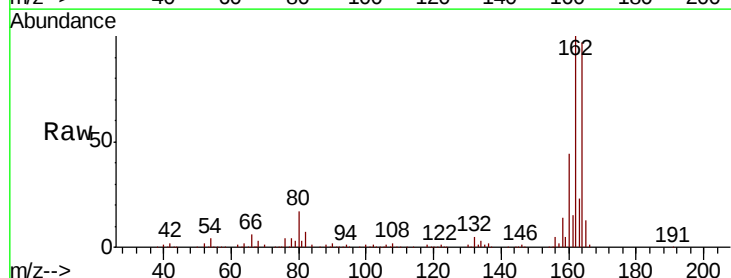


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

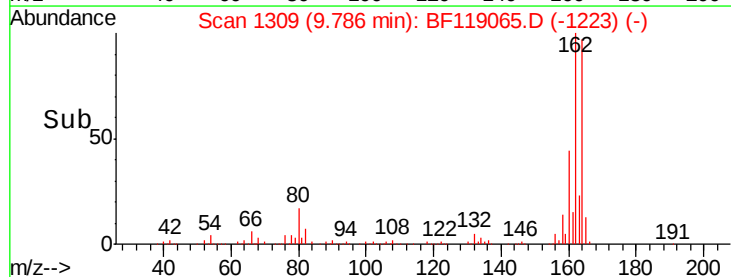
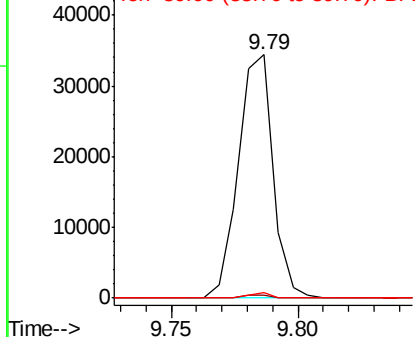


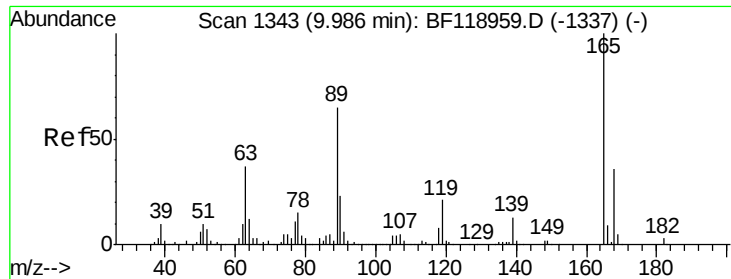
#51  
2,6-Dinitrotoluene  
Concen: 7.432 ng  
RT: 9.79 min Scan# 1309  
Delta R.T. 0.21 min  
Lab File: BF119065.D  
Acq: 25 Feb 2020 15:21

Tgt Ion:165 Resp: 32706  
Ion Ratio Lower Upper  
165 100  
63 1.0 37.9 56.9#  
89 2.1 41.4 62.0#



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

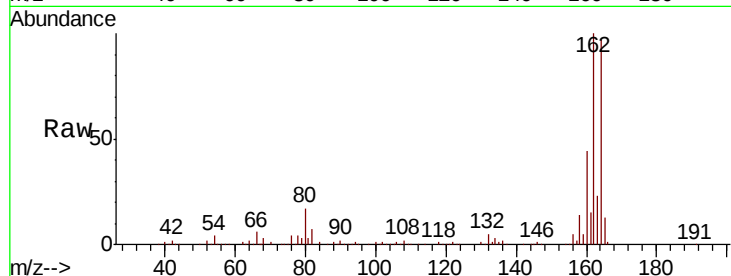




#57  
 2,4-Dinitrotoluene  
 Concen: 5.733 ng  
 RT: 9.79 min Scan# 1309  
 Delta R.T. -0.20 min  
 Lab File: BF119065.D  
 Acq: 25 Feb 2020 15:21

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 29.8  | 44.8# |
| 89      | 2.1   | 51.9  | 77.9# |
| 182     | 0.0   | 2.3   | 3.5#  |

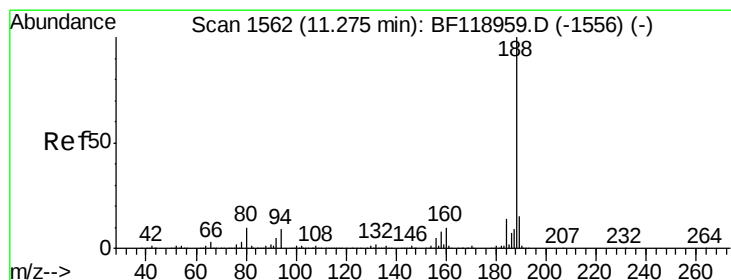
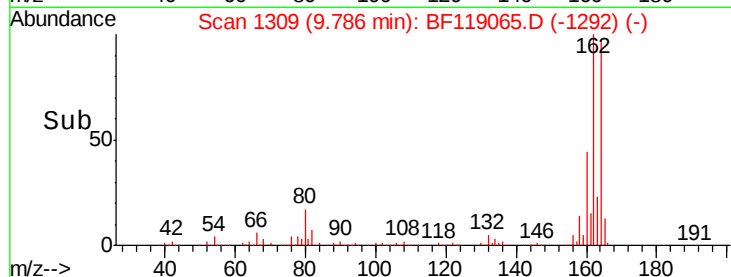
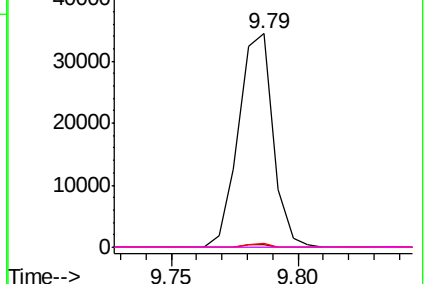


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

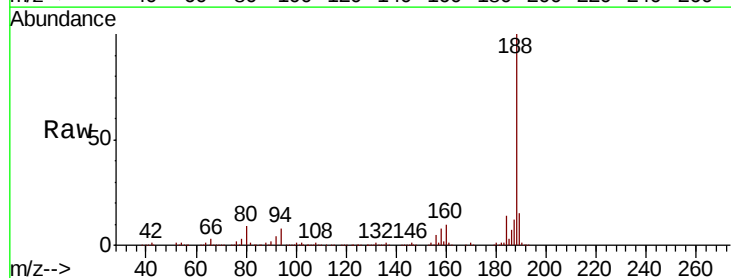
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.27 min Scan# 1561  
 Delta R.T. -0.01 min  
 Lab File: BF119065.D  
 Acq: 25 Feb 2020 15:21

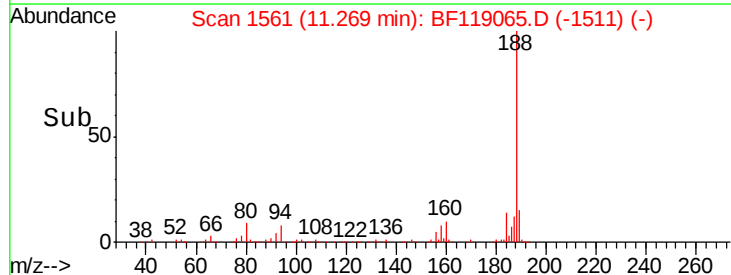
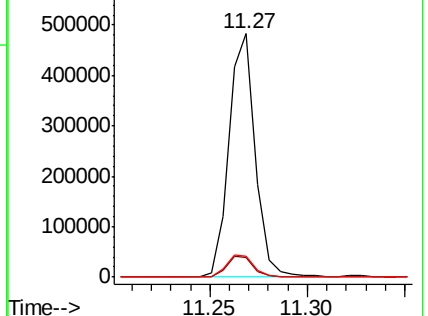
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.0   | 7.0   | 10.6  |
| 80      | 8.6   | 7.9   | 11.9  |

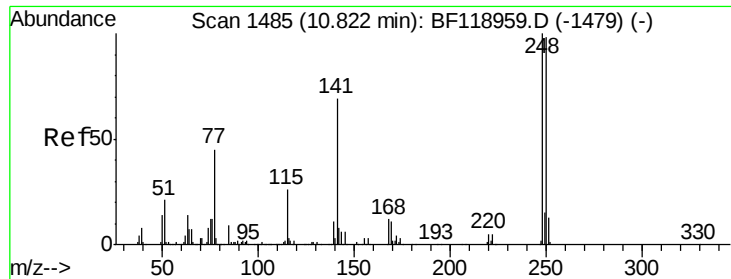


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

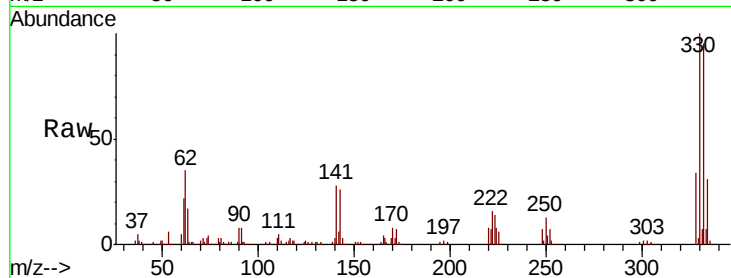




#67  
 4-Bromophenyl-phenylether  
 Concen: 4.733 ng  
 RT: 10.57 min Scan# 1443  
 Delta R.T. -0.25 min  
 Lab File: BF119065.D  
 Acq: 25 Feb 2020 15:21

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 200.6 | 78.8  | 118.2# |
| 141     | 420.5 | 55.3  | 82.9#  |

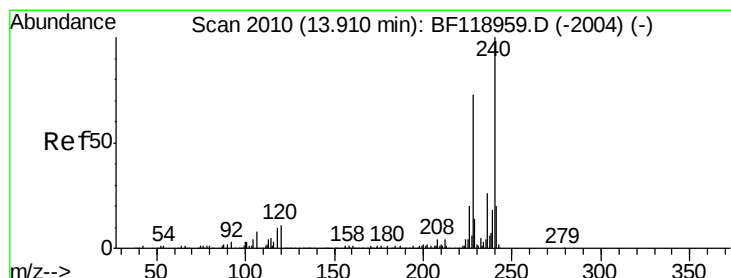
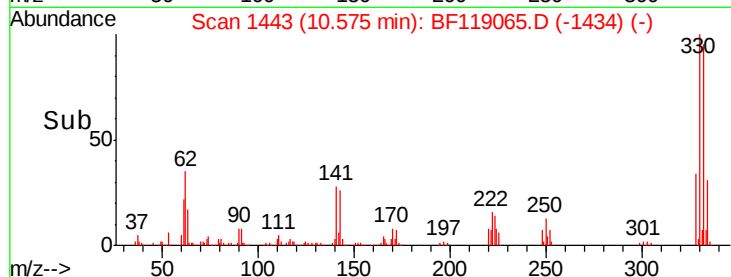
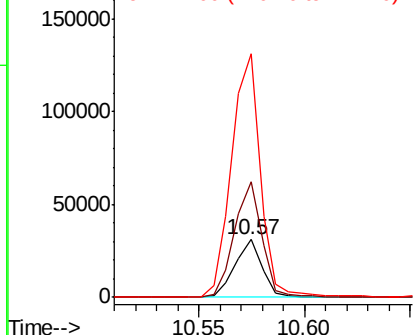


Abundance

Ion 248.00 (247.70 to 248.70): E

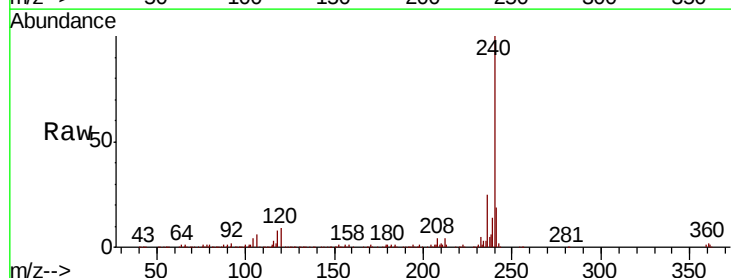
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.90 min Scan# 2009  
 Delta R.T. -0.01 min  
 Lab File: BF119065.D  
 Acq: 25 Feb 2020 15:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.8   | 8.9   | 13.3# |
| 236     | 25.4  | 20.6  | 30.8  |

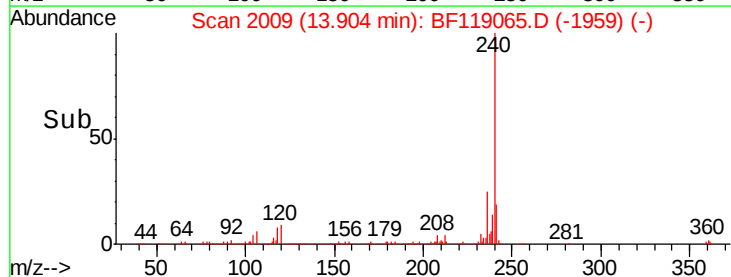
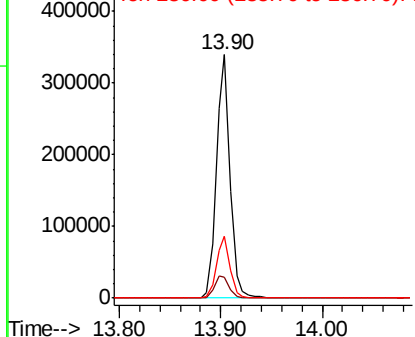


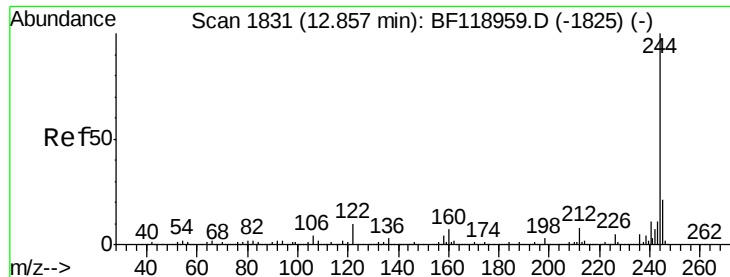
Abundance

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



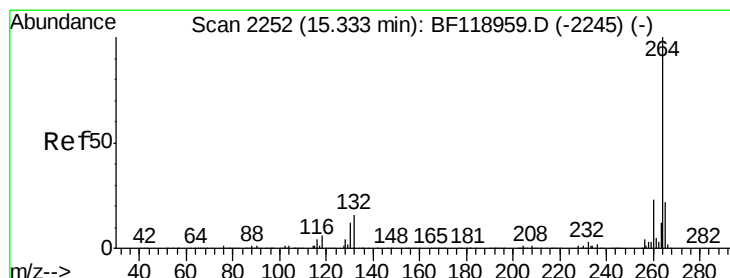
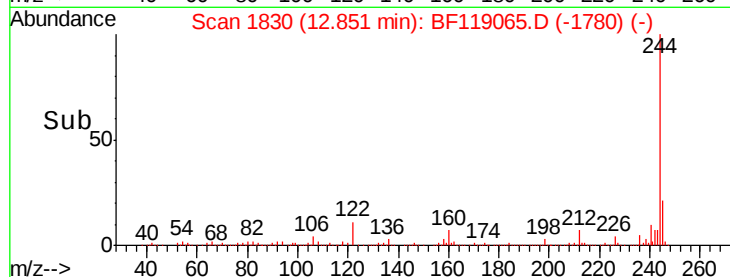
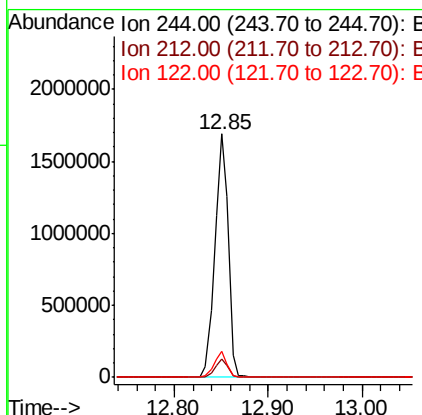
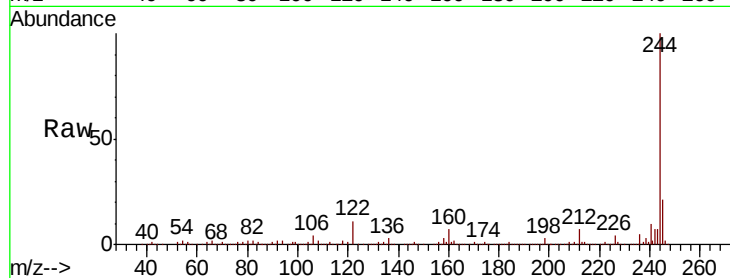


#79  
 Terphenyl-d14  
 Concen: 93.037 ng  
 RT: 12.85 min Scan# 1830  
 Delta R.T. -0.01 min  
 Lab File: BF119065.D  
 Acq: 25 Feb 2020 15:21

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 1704225  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 6.3   | 9.5   |
| 122 | 10.6  | 8.4   | 12.6  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.33 min Scan# 2251  
 Delta R.T. -0.01 min  
 Lab File: BF119065.D  
 Acq: 25 Feb 2020 15:21

Tgt Ion:264 Resp: 310346  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.7  | 18.6  | 28.0  |
| 265 | 21.0  | 17.3  | 25.9  |

