

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\  
 Data File : BF119171.D  
 Acq On : 2 Mar 2020 16:16  
 Operator : CG/JU  
 Sample : PB127188BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 03 07:19:52 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

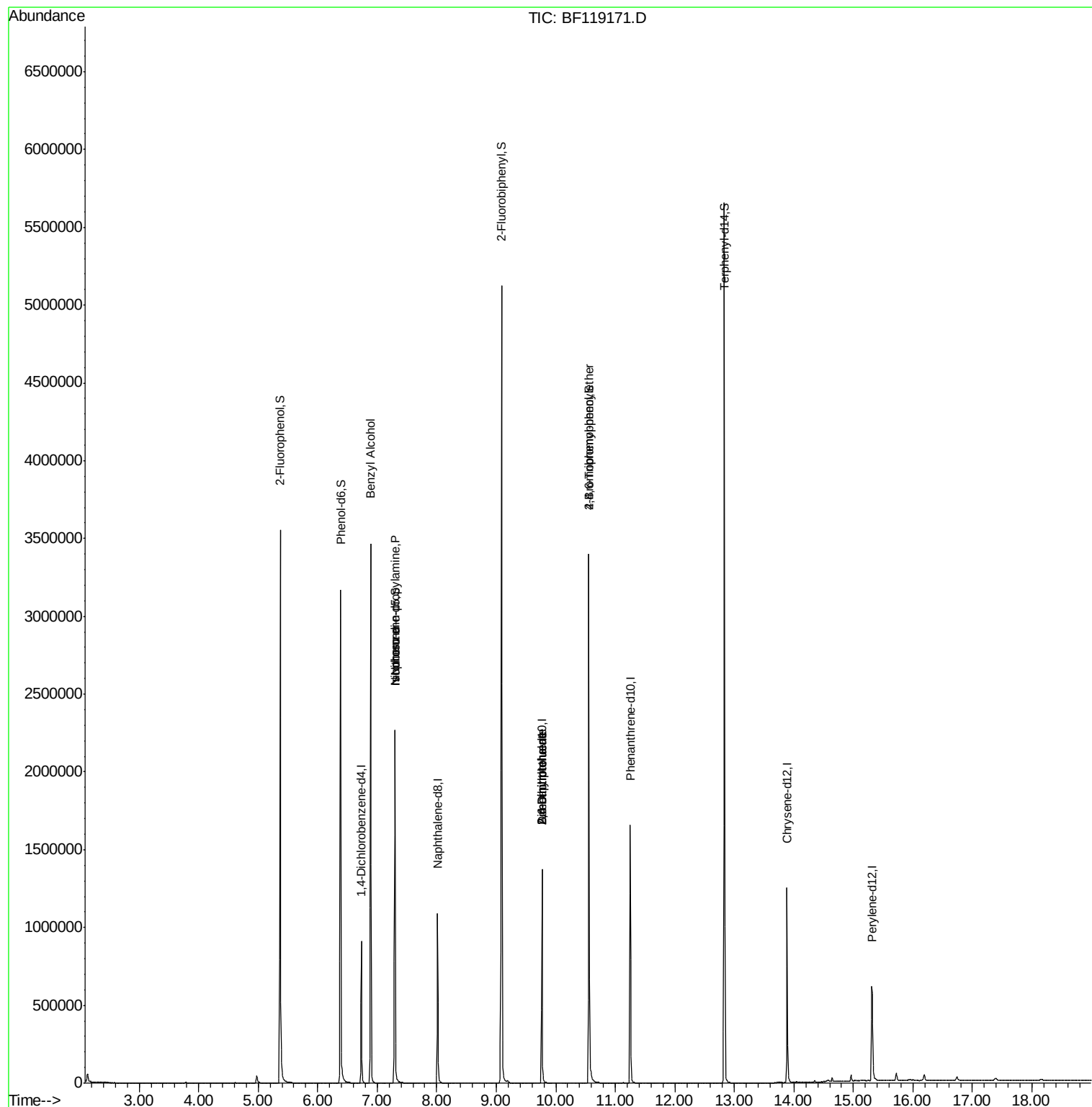
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.73  | 152  | 142533   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.02  | 136  | 562520   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 9.77  | 164  | 327916   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.25 | 188  | 649184   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 13.89 | 240  | 437138   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.31 | 264  | 334740   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.37  | 112  | 1096697  | 128.59 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.39  | 99   | 1344758  | 129.64 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.30  | 82   | 897886   | 84.28  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.56 | 330  | 529996   | 123.55 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.09  | 172  | 1852464  | 83.22  | ng    | -0.02    |
| 79) Terphenyl-d14              | 12.84 | 244  | 2442465  | 96.20  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.89  | 79   | 15550    | 2.074  | ng    | # 46     |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70   | 127553   | 21.103 | ng    | # 75     |
| 25) Isophorone                 | 7.30  | 82   | 884861   | 47.824 | ng    | # 63     |
| 50) Dimethylphthalate          | 9.77  | 163  | 68931    | 2.749  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene         | 9.77  | 165  | 41560    | 7.460  | ng    | # 33     |
| 57) 2,4-Dinitrotoluene         | 9.77  | 165  | 41560    | 5.755  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether  | 10.56 | 248  | 34409    | 4.055  | ng    | # 1      |

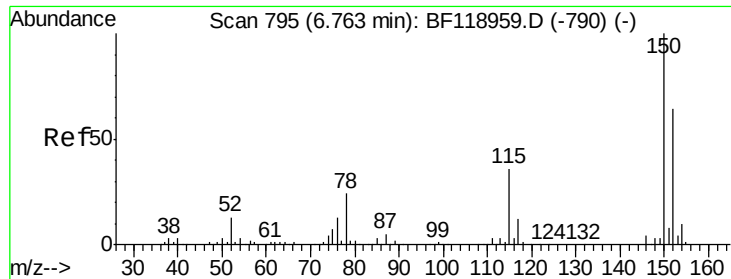
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



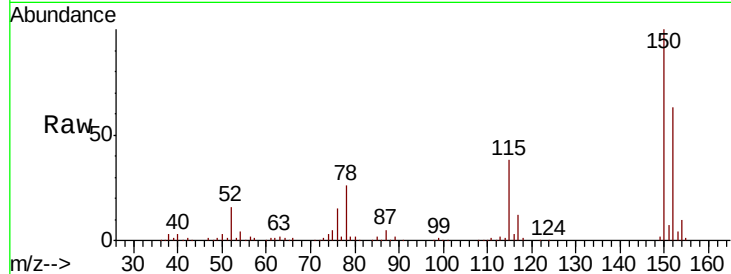


#1

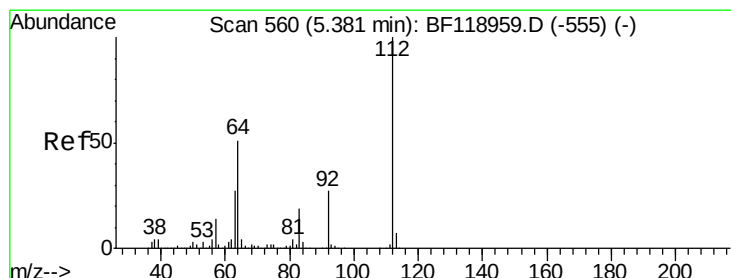
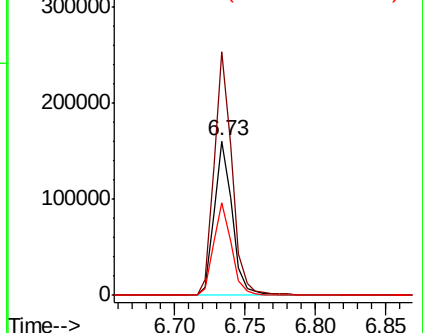
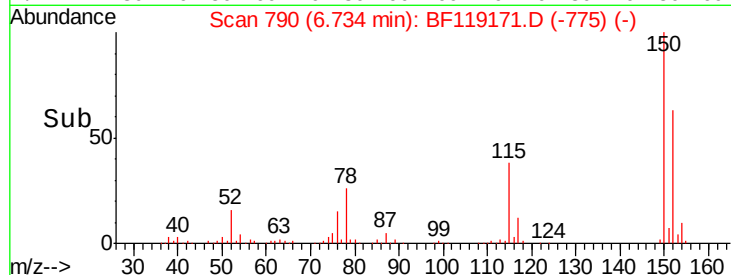
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.73 min Scan# 790  
 Delta R.T. -0.01 min  
 Lab File: BF119171.D  
 Acq: 2 Mar 2020 16:16

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.6 | 123.0 | 184.6 |
| 115     | 60.0  | 49.5  | 74.3  |



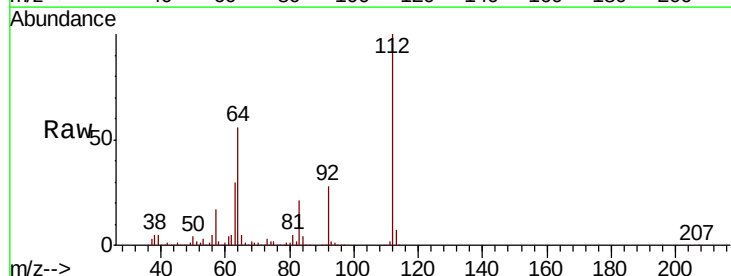
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



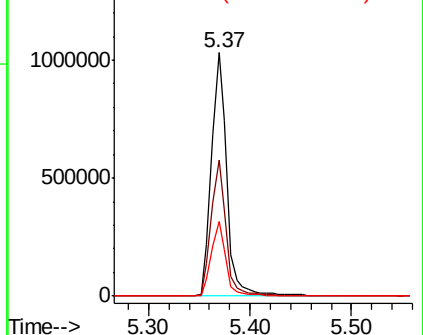
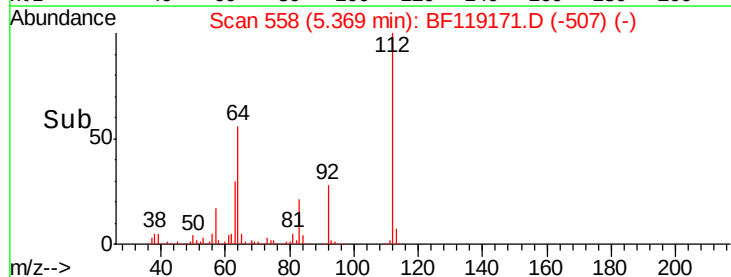
#5

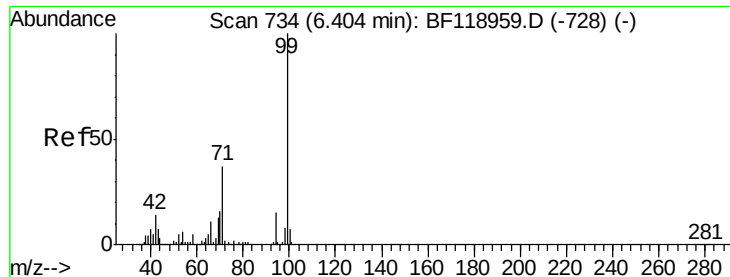
2-Fluorophenol  
 Concen: 128.586 ng  
 RT: 5.37 min Scan# 558  
 Delta R.T. -0.00 min  
 Lab File: BF119171.D  
 Acq: 2 Mar 2020 16:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.0  | 45.0  | 67.4  |
| 63      | 30.5  | 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: 129.644 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119171.D

Acq: 2 Mar 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

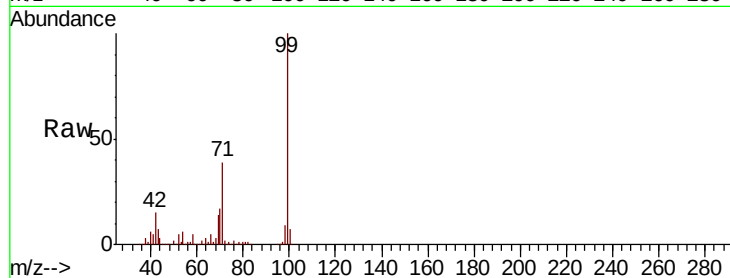
Tot Ion: 99 Resp: 1344758

Ion Ratio Lower Upper

99 100

42 15.1 12.6 18.8

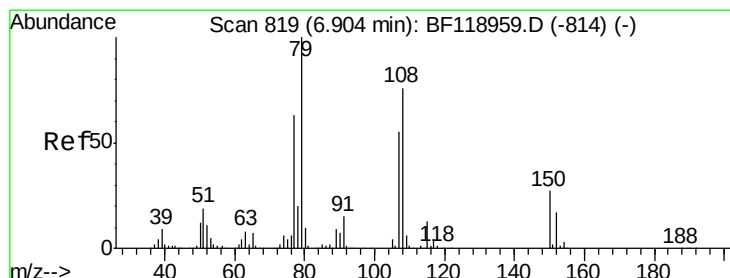
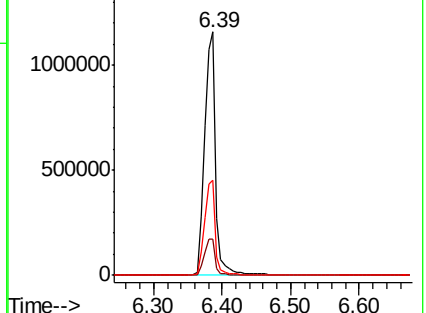
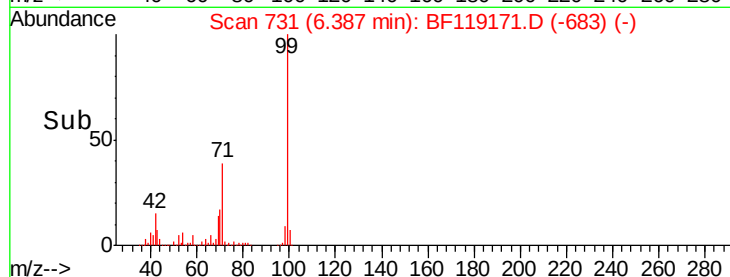
71 38.9 31.0 46.4



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: 2.074 ng

RT: 6.89 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF119171.D

Acq: 2 Mar 2020 16:16

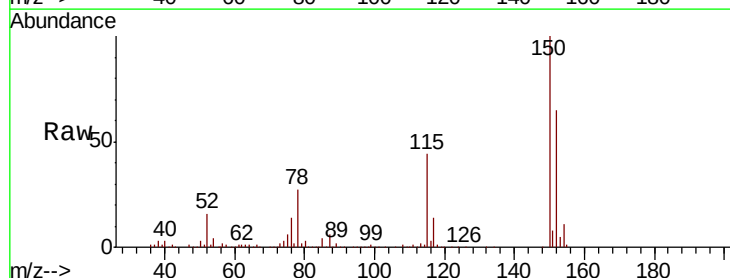
Tgt Ion: 79 Resp: 15550

Ion Ratio Lower Upper

79 100

108 32.0 58.2 87.2#

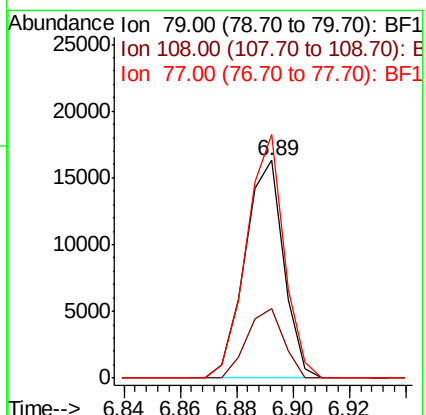
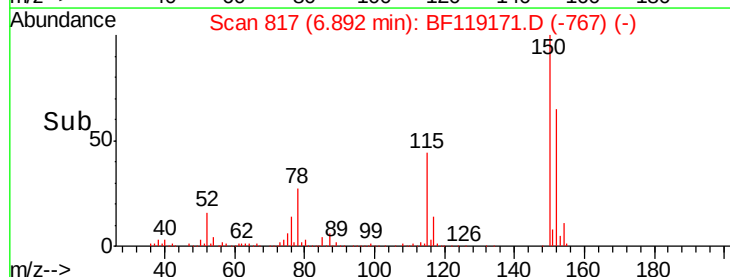
77 111.8 51.2 76.8#

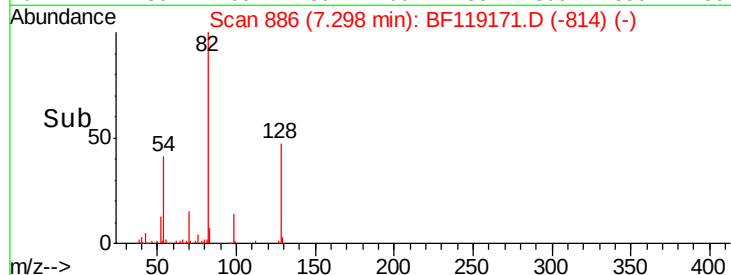
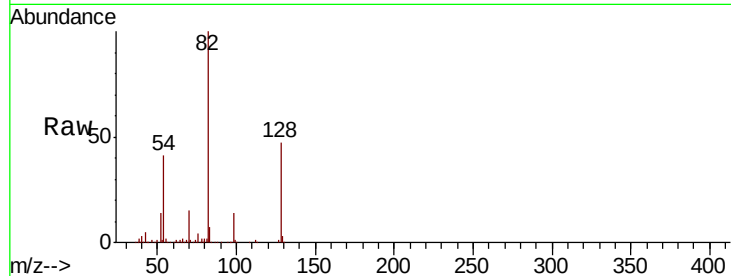
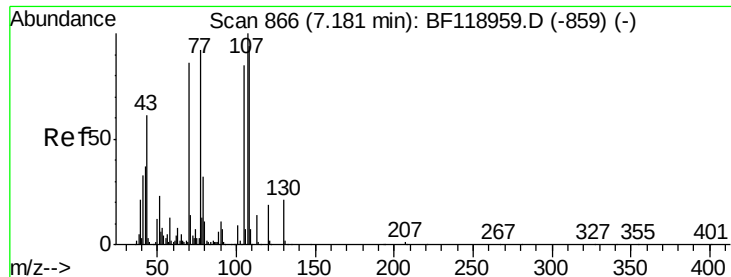


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

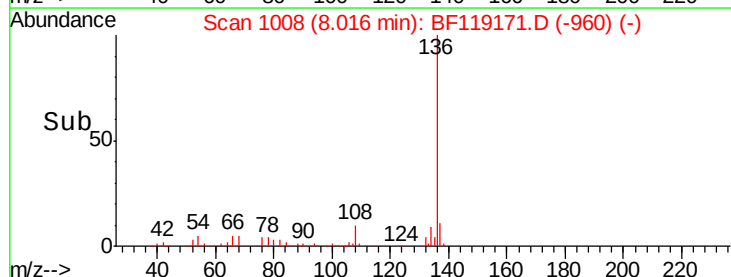
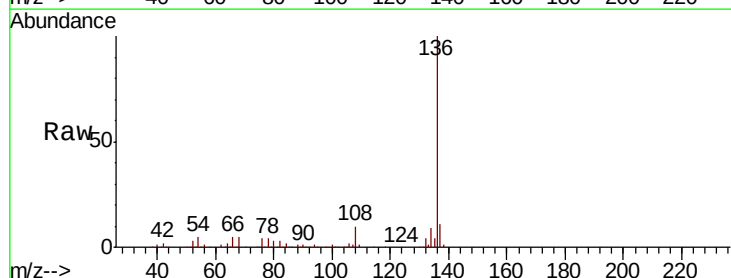
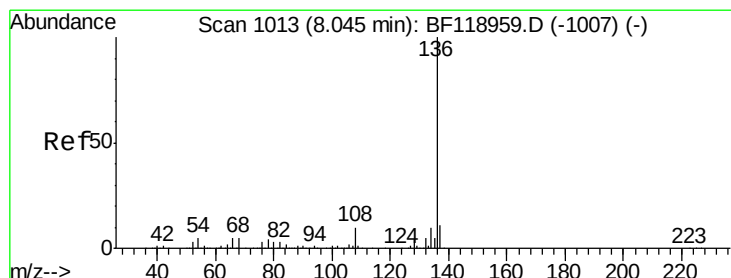
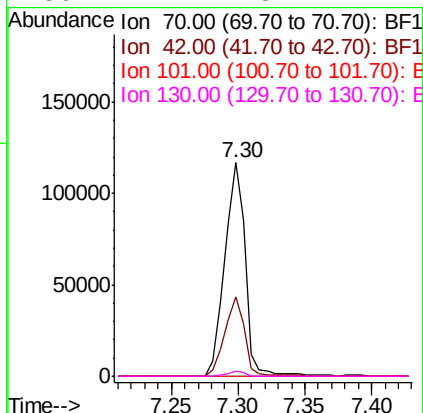




#19  
n-Nitroso-di-n-propylamine  
Concen: 21.103 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.12 min  
Lab File: BF119171.D  
Acq: 2 Mar 2020 16:16

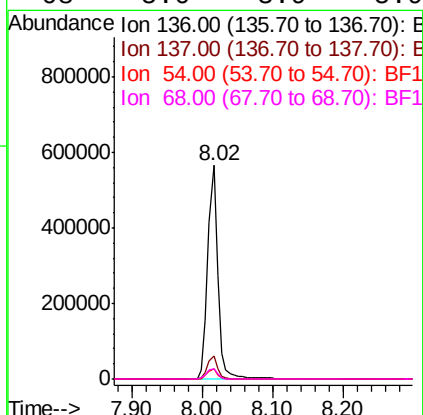
Instrument :  
BNA\_F  
ClientSampleId :

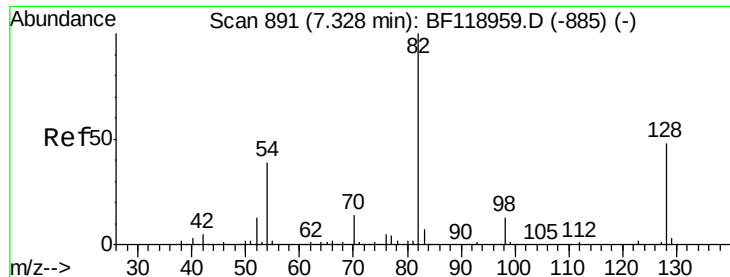
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 37.3  | 38.0  | 57.0# |
| 101     | 0.0   | 8.2   | 12.4# |
| 130     | 2.1   | 18.2  | 27.4# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 1008  
Delta R.T. -0.02 min  
Lab File: BF119171.D  
Acq: 2 Mar 2020 16:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.6  | 8.8   | 13.2  |
| 54      | 4.9   | 3.8   | 5.6   |
| 68      | 5.0   | 3.9   | 5.9   |

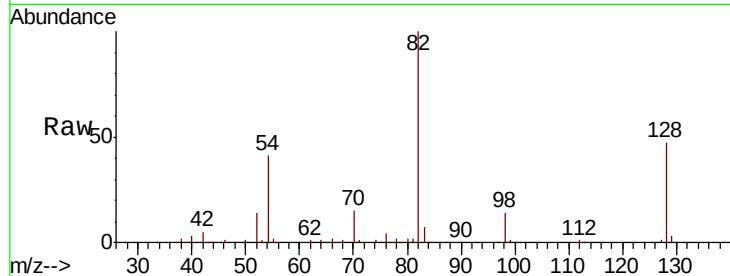




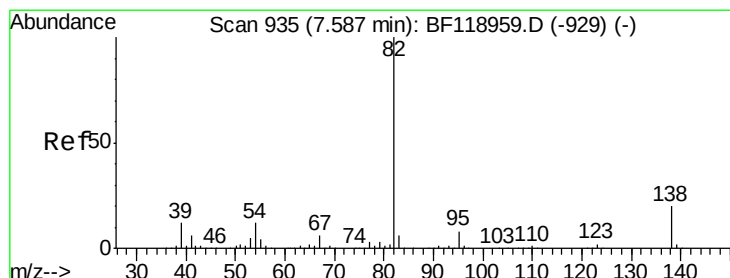
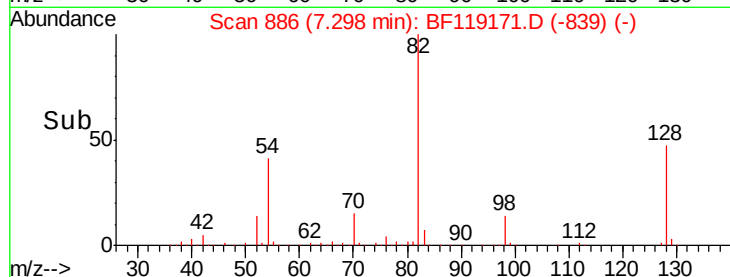
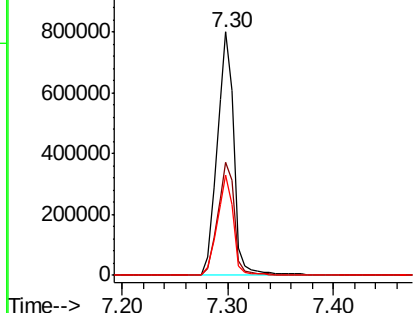
#23  
 Nitrobenzene-d5  
 Concen: 84.279 ng  
 RT: 7.30 min Scan# 886  
 Delta R.T. -0.02 min  
 Lab File: BF119171.D  
 Acq: 2 Mar 2020 16:16

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 82 Resp: 897886  
 Ion Ratio Lower Upper  
 82 100  
 128 46.6 37.9 56.9  
 54 41.4 33.4 50.2

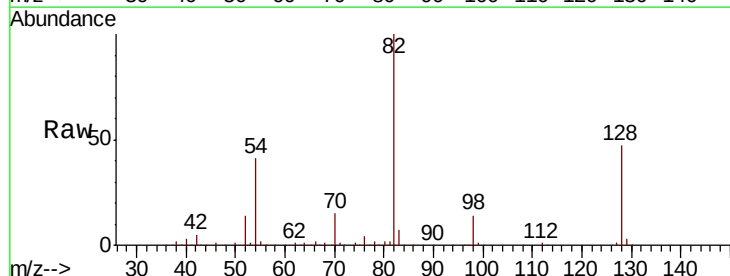


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

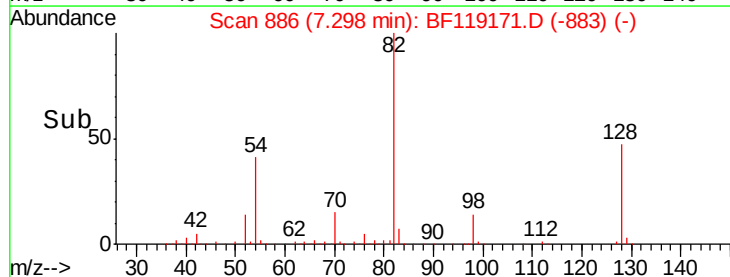
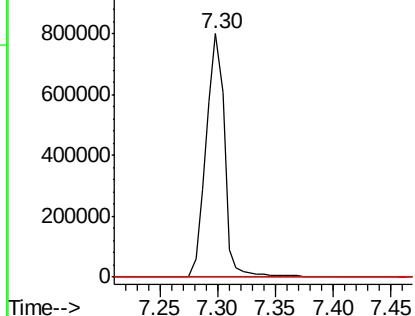


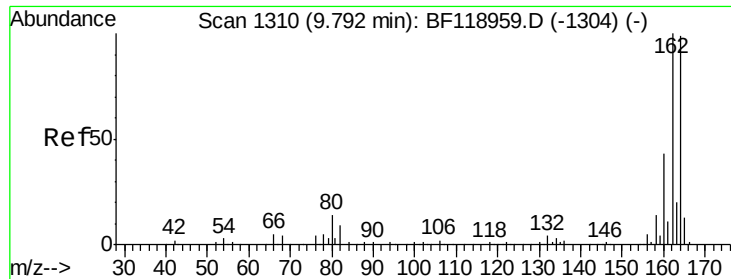
#25  
 Isophorone  
 Concen: 47.824 ng  
 RT: 7.30 min Scan# 886  
 Delta R.T. -0.28 min  
 Lab File: BF119171.D  
 Acq: 2 Mar 2020 16:16

Tgt Ion: 82 Resp: 884861  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 6.4 9.6#  
 138 0.0 15.7 23.5#



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: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF119171.D

Acq: 2 Mar 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

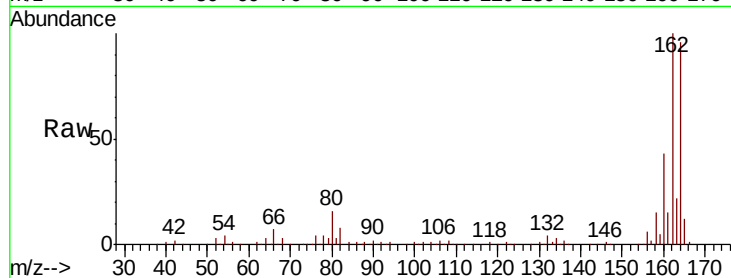
Tot Ion:164 Resp: 327916

Ion Ratio Lower Upper

164 100

162 104.1 81.8 122.8

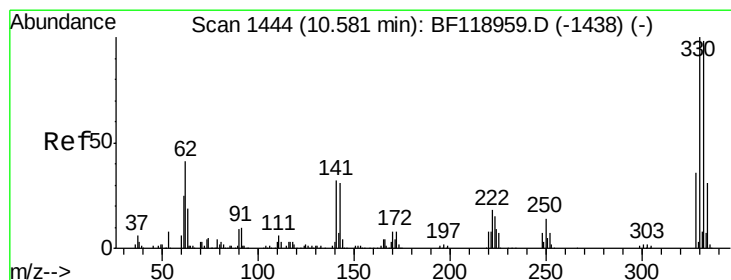
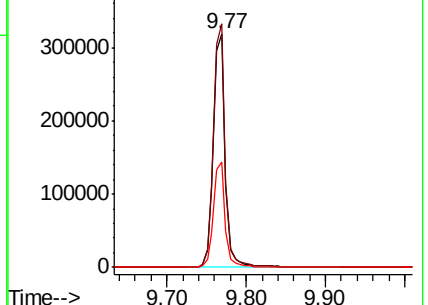
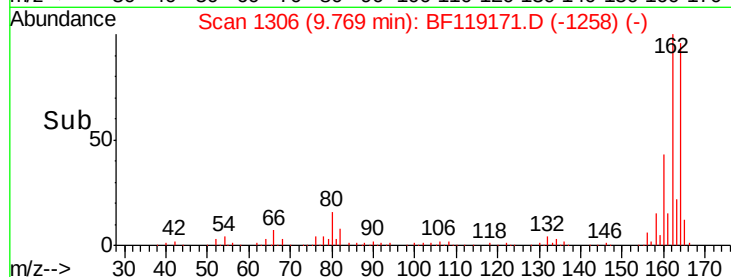
160 45.3 36.0 54.0



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: 123.551 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF119171.D

Acq: 2 Mar 2020 16:16

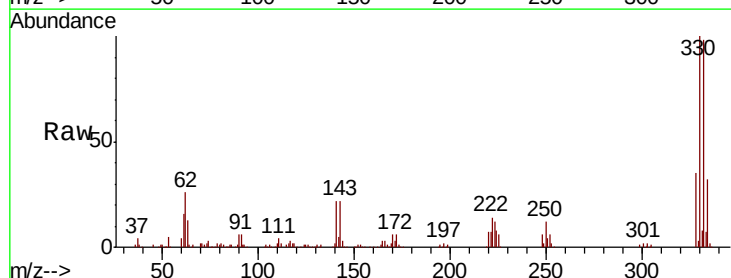
Tgt Ion:330 Resp: 529996

Ion Ratio Lower Upper

330 100

332 96.6 76.0 114.0

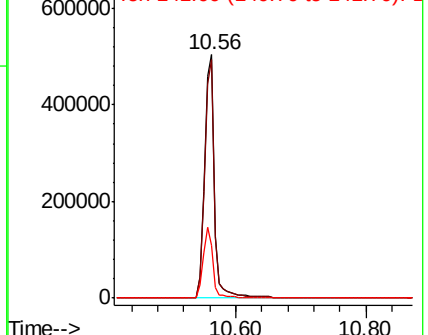
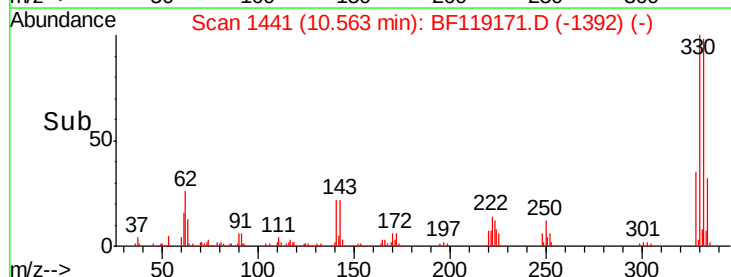
141 29.2 22.9 34.3

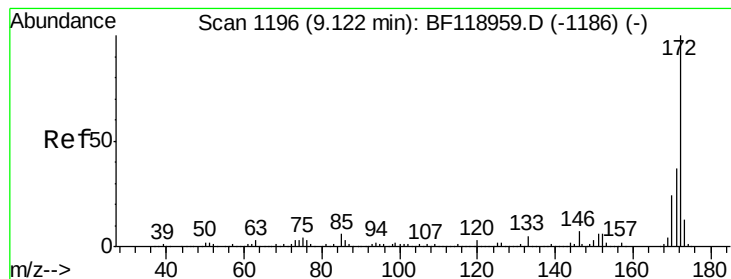


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 83.222 ng

RT: 9.09 min Scan# 1191

Delta R.T. -0.02 min

Lab File: BF119171.D

Acq: 2 Mar 2020 16:16

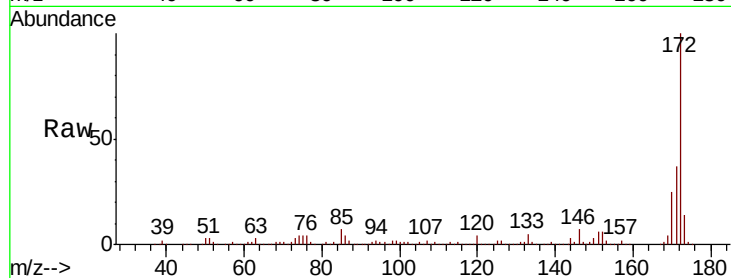
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:172 Resp: 1852464

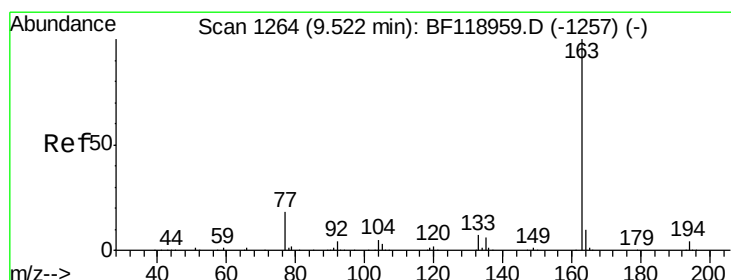
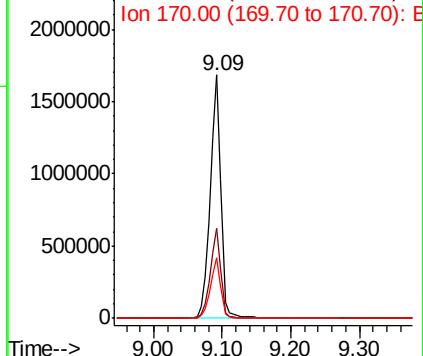
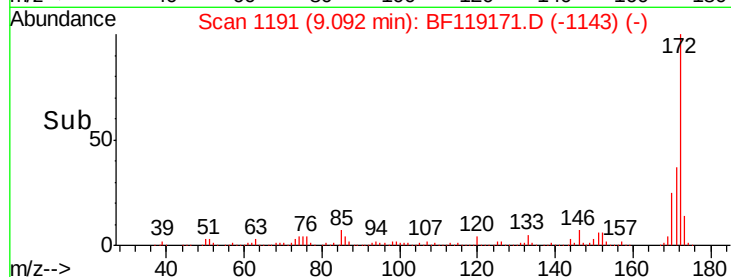
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.1  | 30.6  | 45.8  |
| 170 | 24.7  | 20.2  | 30.2  |



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: 2.749 ng

RT: 9.77 min Scan# 1306

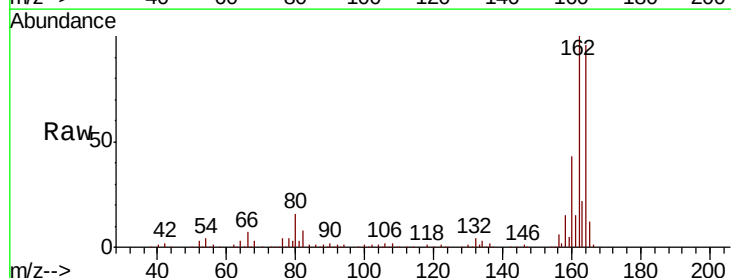
Delta R.T. 0.25 min

Lab File: BF119171.D

Acq: 2 Mar 2020 16:16

Tgt Ion:163 Resp: 68931

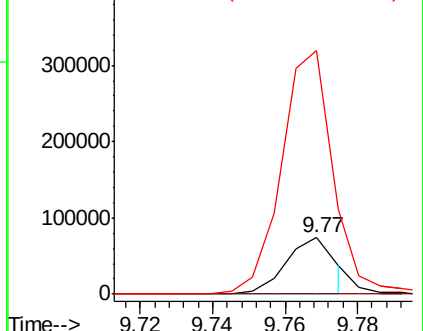
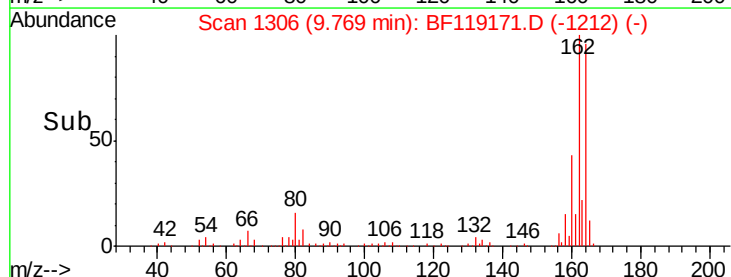
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 0.0   | 3.5   | 5.3#  |
| 164 | 430.3 | 8.4   | 12.6# |



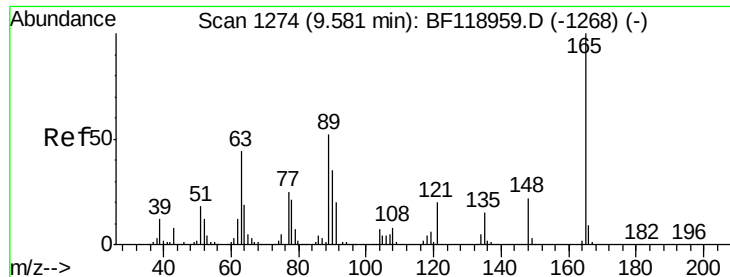
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E







#51

2,6-Dinitrotoluene

Concen: 7.460 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.19 min

Lab File: BF119171.D

Acq: 2 Mar 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

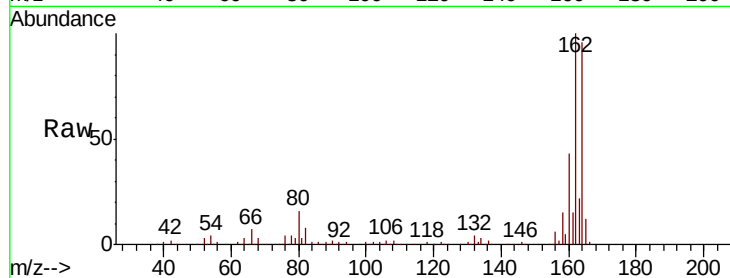
Tot Ion:165 Resp: 41560

Ion Ratio Lower Upper

165 100

63 1.2 34.3 51.5#

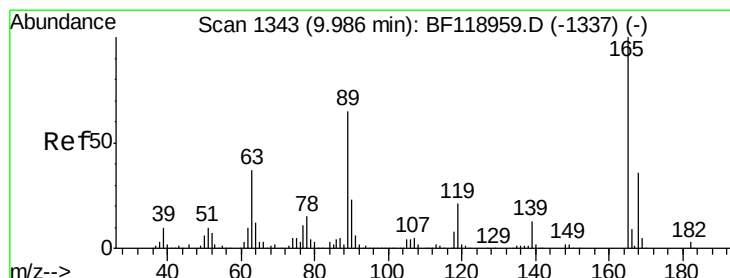
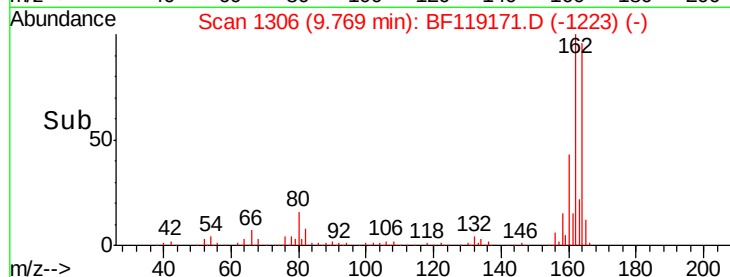
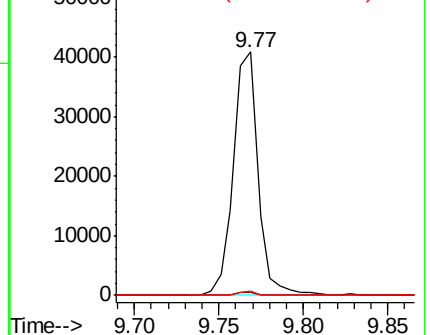
89 1.6 38.3 57.5#



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



#57

2,4-Dinitrotoluene

Concen: 5.755 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.22 min

Lab File: BF119171.D

Acq: 2 Mar 2020 16:16

Tgt Ion:165 Resp: 41560

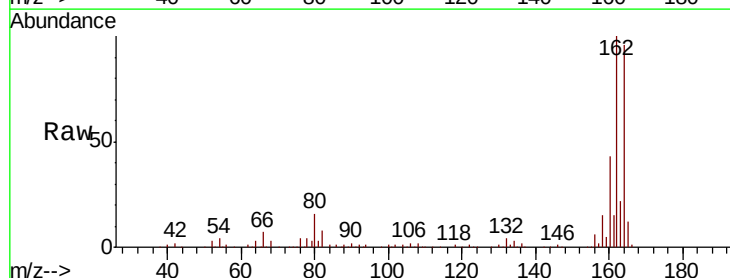
Ion Ratio Lower Upper

165 100

63 1.2 42.3 63.5#

89 1.6 60.2 90.4#

182 0.0 2.3 3.5#

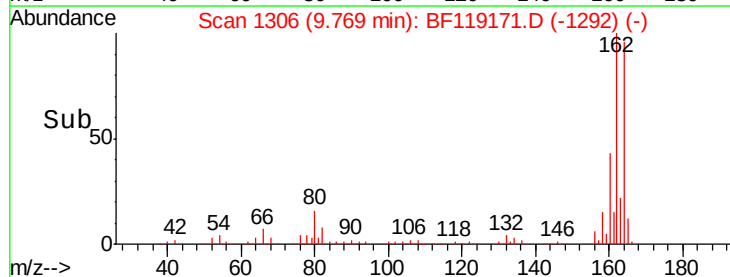
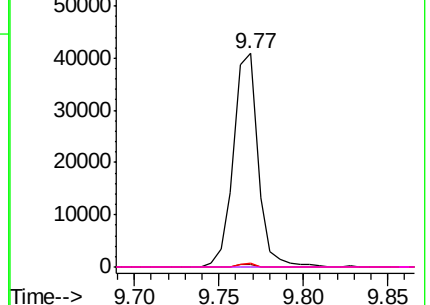


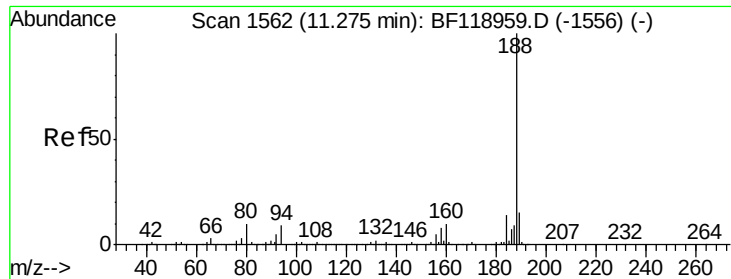
Abundance Ion 165.00 (164.70 to 165.70): E

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

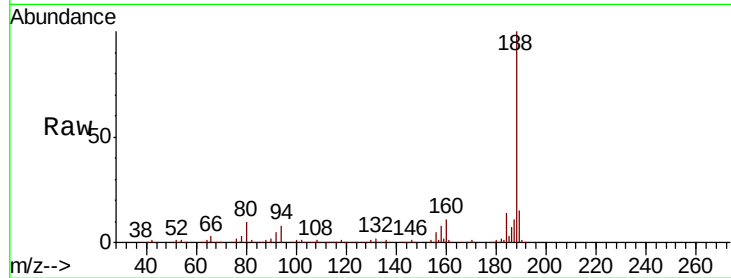




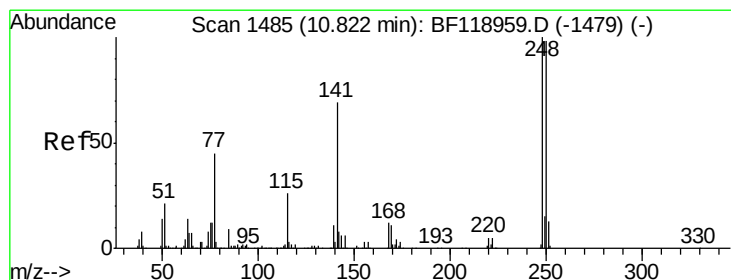
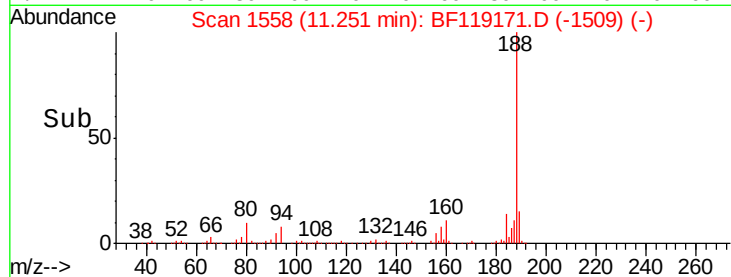
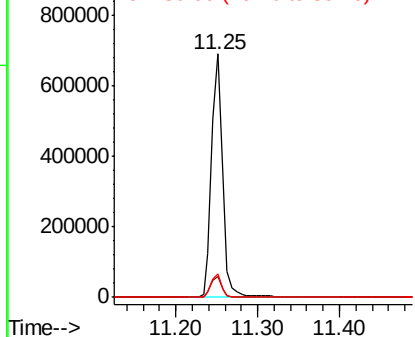
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.25 min Scan# 1558  
Delta R.T. -0.01 min  
Lab File: BF119171.D  
Acq: 2 Mar 2020 16:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 649184  
Ion Ratio Lower Upper  
188 100  
94 8.4 7.1 10.7  
80 9.5 7.8 11.8

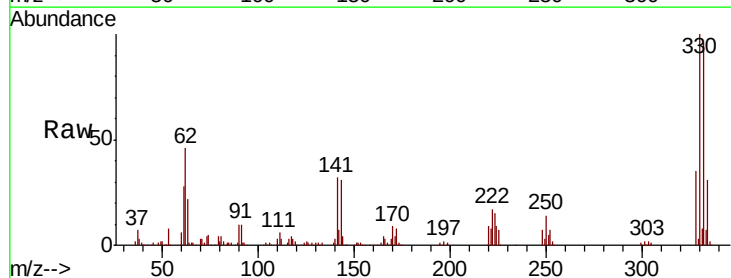


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

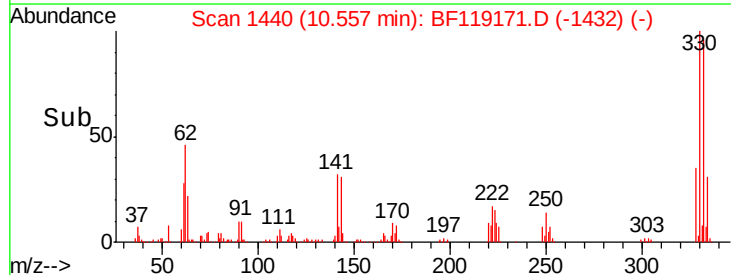
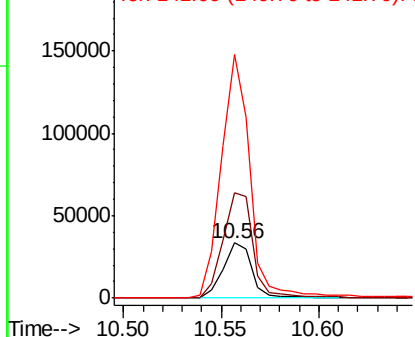


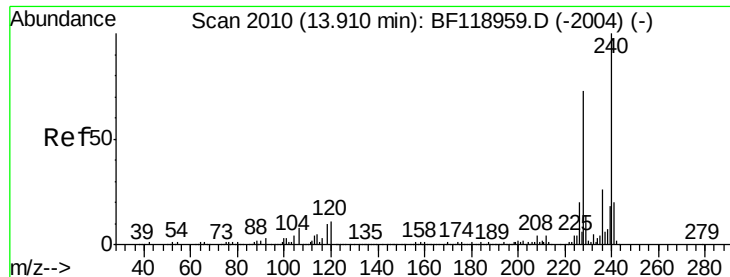
#67  
4-Bromophenyl-phenylether  
Concen: 4.055 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. -0.25 min  
Lab File: BF119171.D  
Acq: 2 Mar 2020 16:16

Tgt Ion:248 Resp: 34409  
Ion Ratio Lower Upper  
248 100  
250 192.2 76.7 115.1#  
141 444.1 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

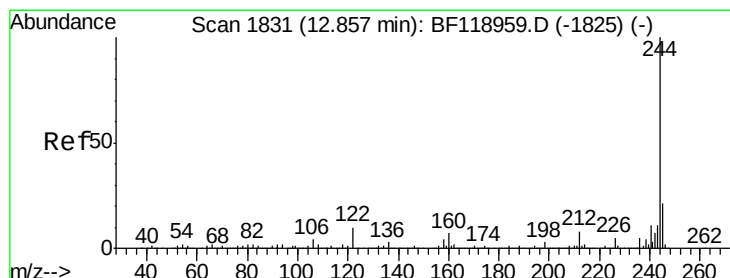
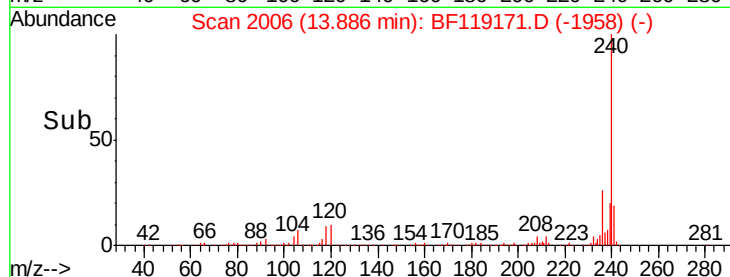
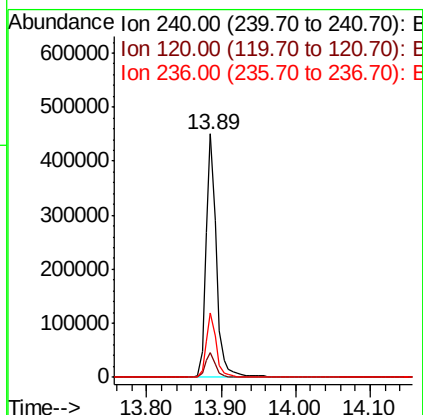
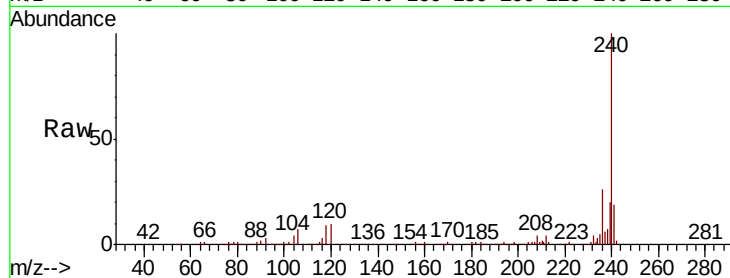




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.89 min Scan# 2006  
 Delta R.T. -0.02 min  
 Lab File: BF119171.D  
 Acq: 2 Mar 2020 16:16

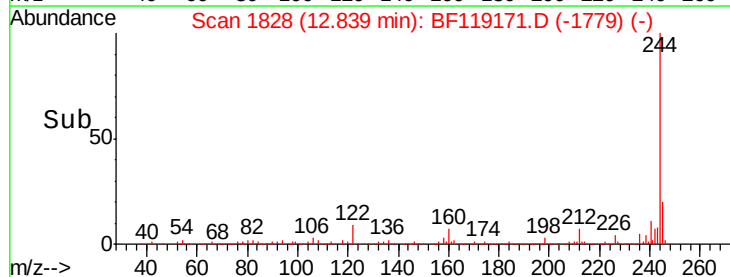
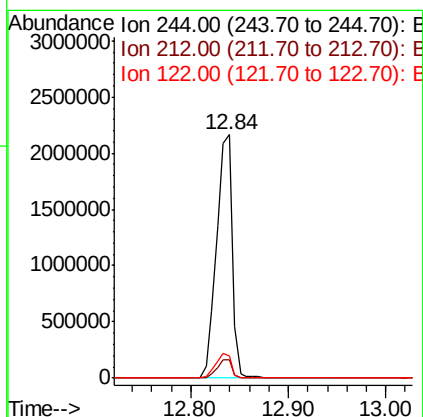
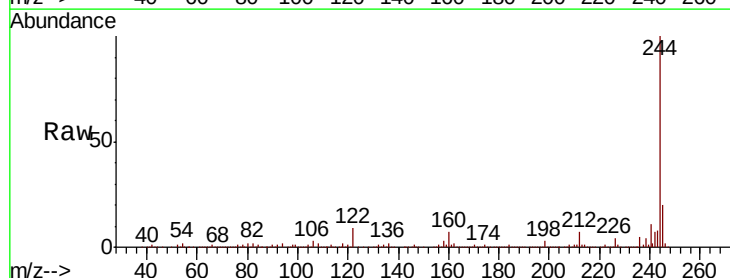
Instrument :  
 BNA\_F  
 ClientSampleId :

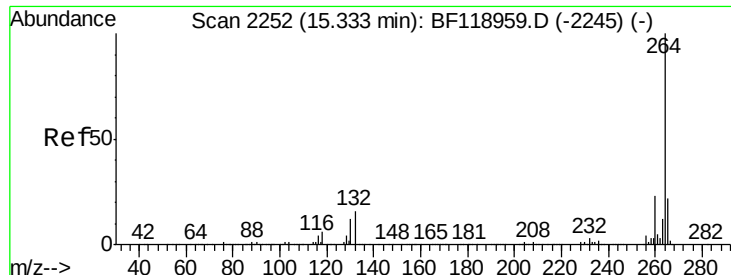
Tot Ion:240 Resp: 437138  
 Ion Ratio Lower Upper  
 240 100  
 120 10.0 8.4 12.6  
 236 26.4 21.0 31.4



#79  
 Terphenyl-d14  
 Concen: 96.197 ng  
 RT: 12.84 min Scan# 1828  
 Delta R.T. -0.01 min  
 Lab File: BF119171.D  
 Acq: 2 Mar 2020 16:16

Tgt Ion:244 Resp: 2442465  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.6 10.0  
 122 8.9 8.2 12.2





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.31 min Scan# 2248  
Delta R.T. -0.01 min  
Lab File: BF119171.D  
Acq: 2 Mar 2020 16:16

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.4  | 29.2  |
| 265     | 21.1  | 17.7  | 26.5  |

