

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\  
 Data File : BF118638.D  
 Acq On : 21 Jan 2020 17:31  
 Operator : CG/JU  
 Sample : L1205-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 21 18:16:40 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 20 14:45:03 2020  
 Response via : Initial Calibration

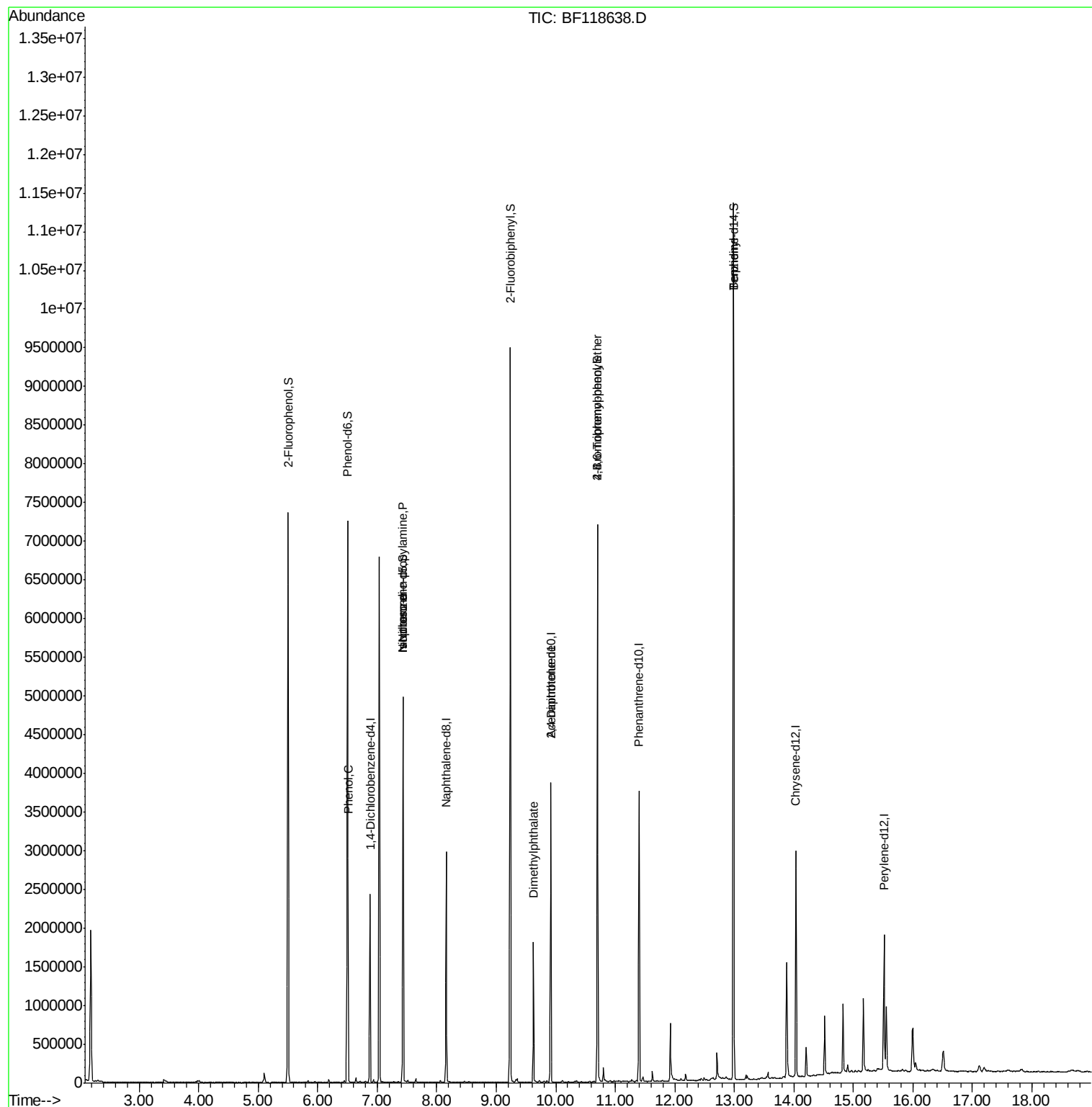
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.88  | 152  | 361694   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.16  | 136  | 1352028  | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.92  | 164  | 755039   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.40 | 188  | 1397144  | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 14.03 | 240  | 982417   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 15.52 | 264  | 854600   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 2182384  | 112.06 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.50  | 99   | 2706569  | 106.93 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 1745451  | 72.21  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.70 | 330  | 942274   | 107.90 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.24  | 172  | 3325828  | 72.40  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.99 | 244  | 4029337  | 89.46  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.52  | 94   | 98980    | 3.431  | ng    | 93       |
| 19) n-Nitroso-di-n-propylamine | 7.43  | 70   | 244283   | 14.293 | ng    | # 77     |
| 25) Isophorone                 | 7.43  | 82   | 1745419  | 39.589 | ng    | # 64     |
| 50) Dimethylphthalate          | 9.63  | 163  | 721643   | 14.670 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 9.92  | 165  | 100766   | 7.256  | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 10.70 | 248  | 59831    | 3.466  | ng    | # 1      |
| 77) Benzidine                  | 12.99 | 184  | 55171    | 2.102  | ng    | # 94     |

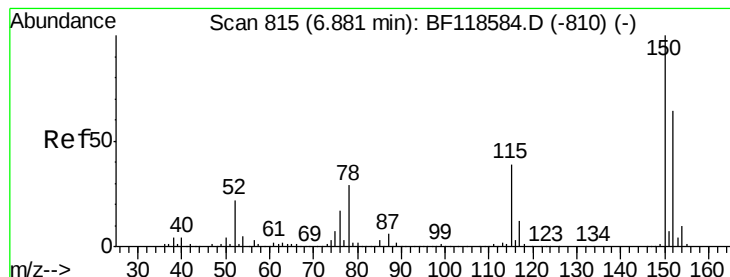
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF118638.D  
Acq On : 21 Jan 2020 17:31  
Operator : CG/JU  
Sample : L1205-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jan 21 18:16:40 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 20 14:45:03 2020  
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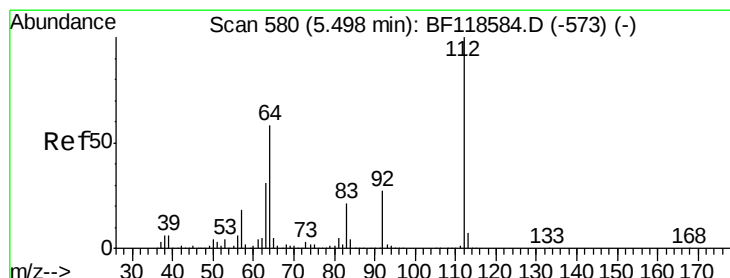
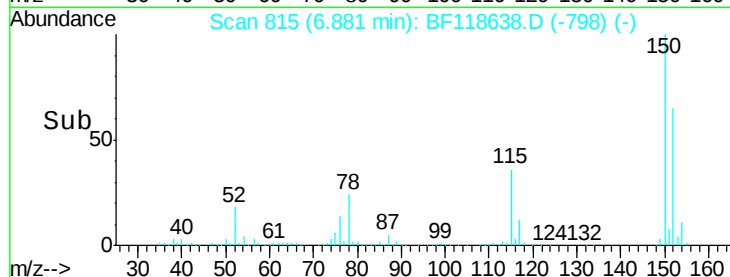
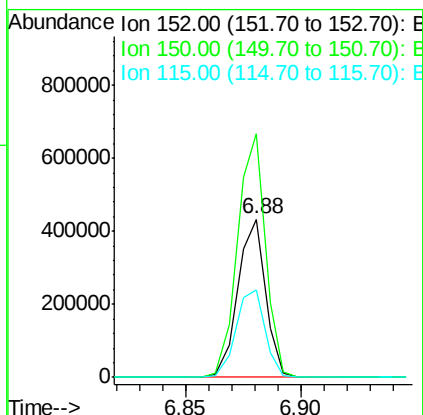
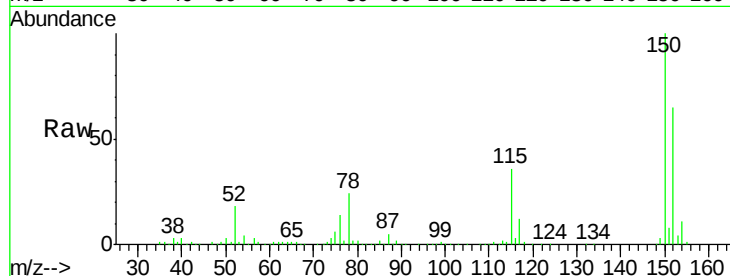


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. 0.00 min  
Lab File: BF118638.D  
Acq: 21 Jan 2020 17:31

Instrument :  
BNA\_F  
ClientSampleId :

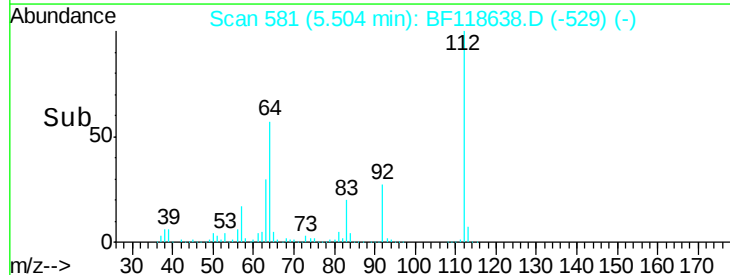
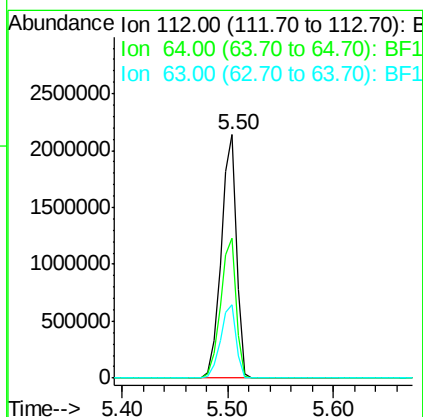
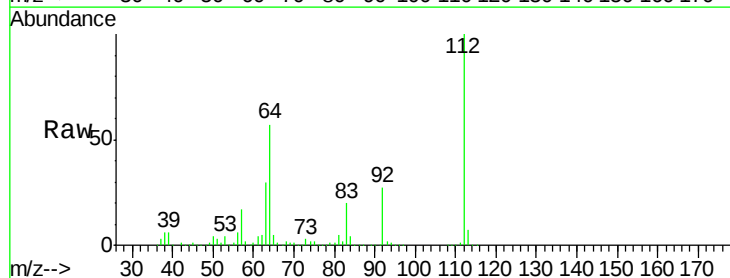
Tot Ion:152 Resp: 361694  
Ion Ratio Lower Upper  
152 100  
150 153.8 125.6 188.4  
115 55.3 48.4 72.6



#5

2-Fluorophenol  
Concen: 112.063 ng  
RT: 5.50 min Scan# 581  
Delta R.T. 0.01 min  
Lab File: BF118638.D  
Acq: 21 Jan 2020 17:31

Tgt Ion:112 Resp: 2182384  
Ion Ratio Lower Upper  
112 100  
64 57.5 46.6 70.0  
63 30.3 25.1 37.7





#7

Phenol-d6

Concen: 106.928 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118638.D

Acq: 21 Jan 2020 17:31

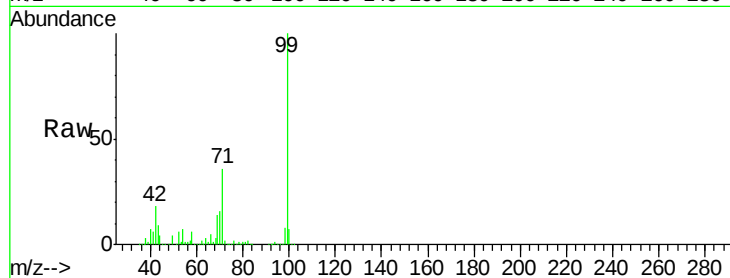
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 2706569

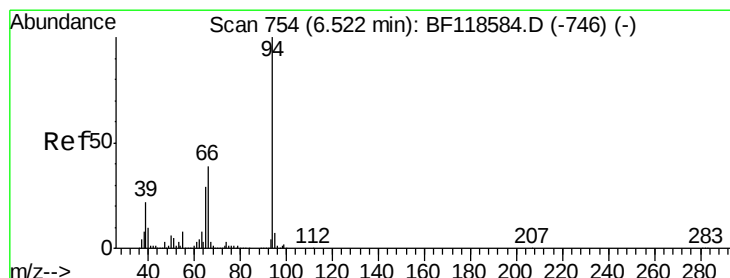
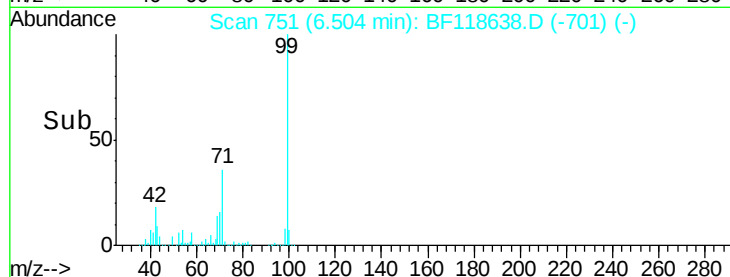
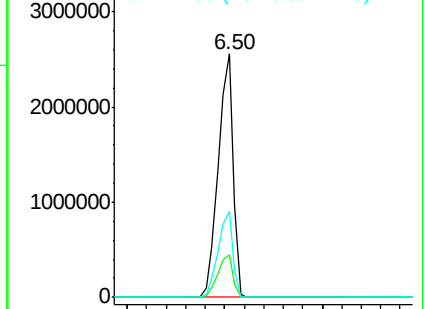
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.6  | 14.2  | 21.2  |
| 71  | 35.6  | 27.8  | 41.6  |



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



#10

Phenol

Concen: 3.431 ng

RT: 6.52 min Scan# 753

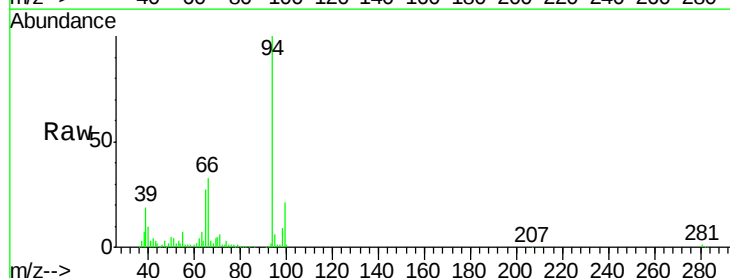
Delta R.T. -0.01 min

Lab File: BF118638.D

Acq: 21 Jan 2020 17:31

Tgt Ion: 94 Resp: 98980

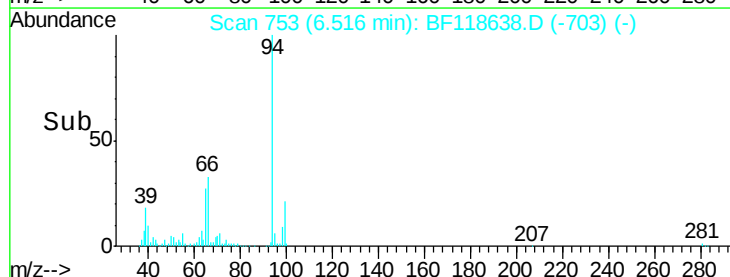
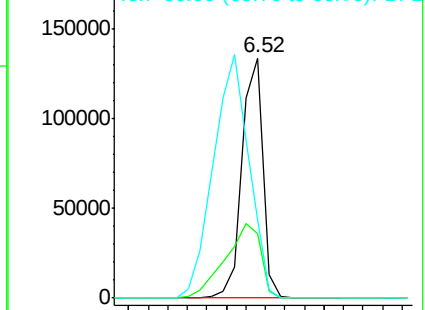
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 26.9  | 9.5   | 49.5  |
| 66  | 32.9  | 18.5  | 58.5  |

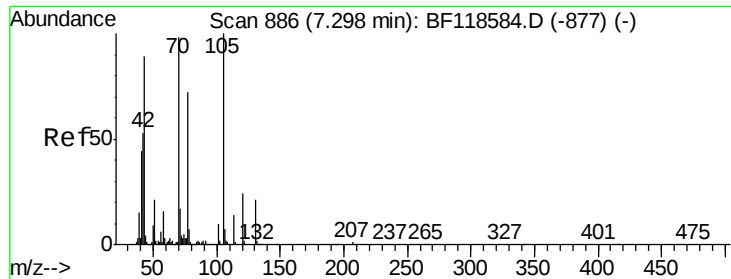


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

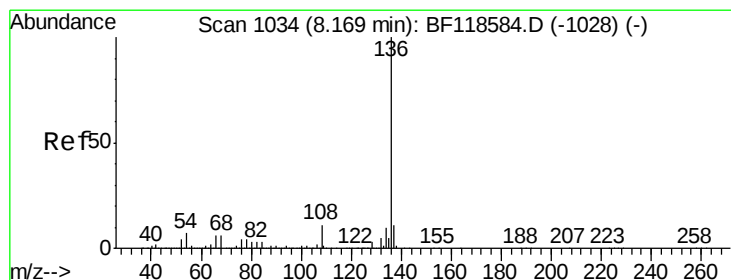
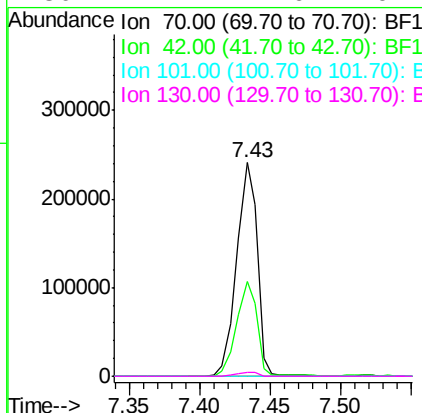
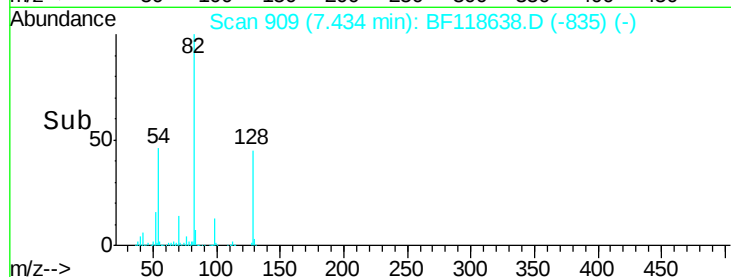
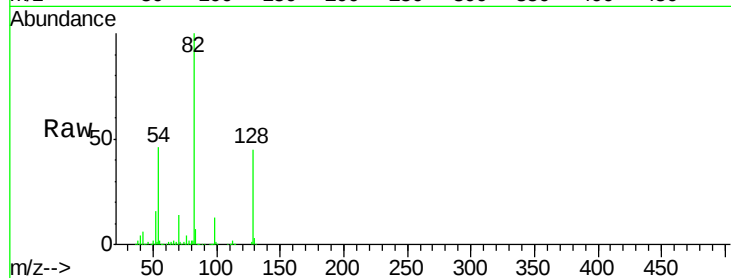




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.293 ng  
RT: 7.43 min Scan# 909  
Delta R.T. 0.14 min  
Lab File: BF118638.D  
Acq: 21 Jan 2020 17:31

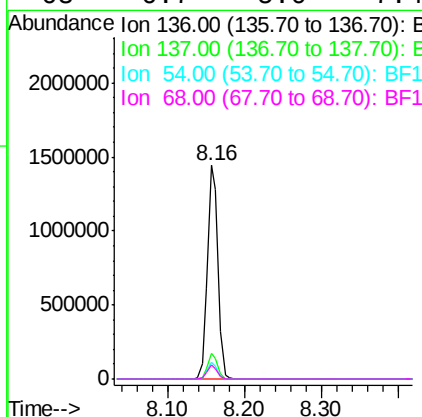
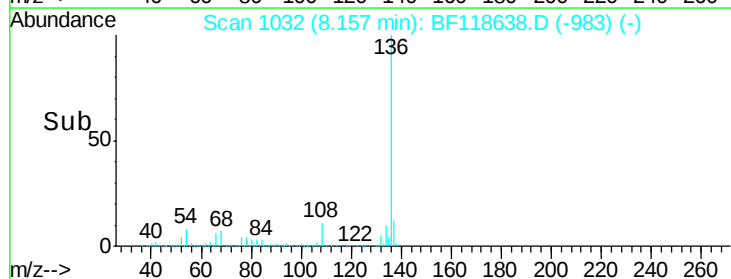
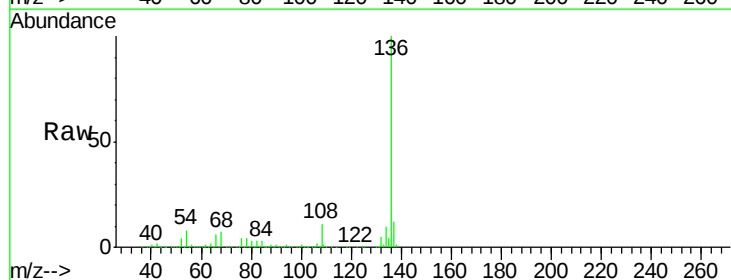
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 244283  
Ion Ratio Lower Upper  
70 100  
42 44.1 43.4 65.0  
101 0.0 8.1 12.1#  
130 2.1 17.6 26.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.16 min Scan# 1032  
Delta R.T. -0.01 min  
Lab File: BF118638.D  
Acq: 21 Jan 2020 17:31

Tgt Ion:136 Resp: 1352028  
Ion Ratio Lower Upper  
136 100  
137 11.7 9.1 13.7  
54 7.7 5.8 8.6  
68 6.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 72.210 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF118638.D

Acq: 21 Jan 2020 17:31

Instrument :

BNA\_F

ClientSampleId :

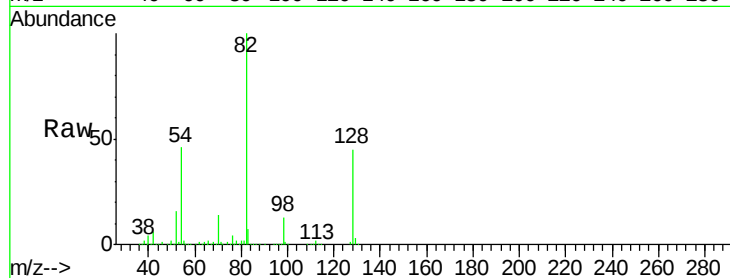
Tot Ion: 82 Resp: 1745451

Ion Ratio Lower Upper

82 100

128 45.3 36.6 54.8

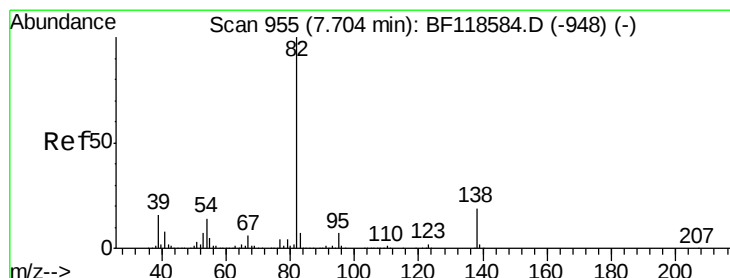
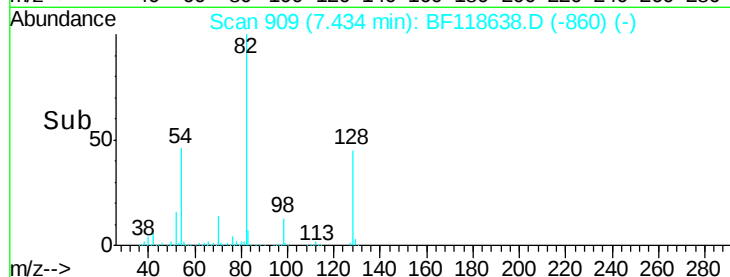
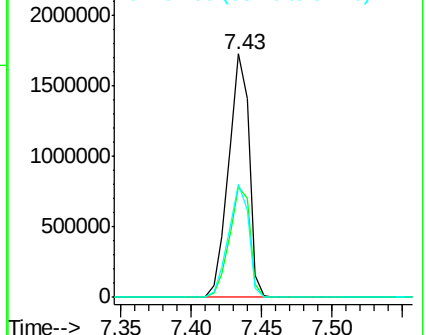
54 46.4 38.0 57.0



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: 39.589 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.27 min

Lab File: BF118638.D

Acq: 21 Jan 2020 17:31

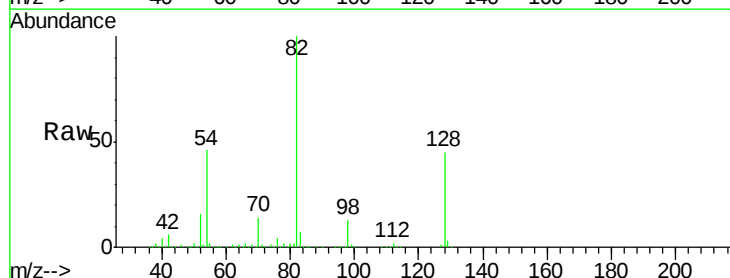
Tgt Ion: 82 Resp: 1745419

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

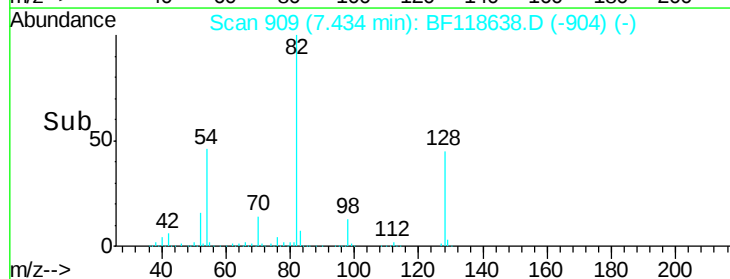
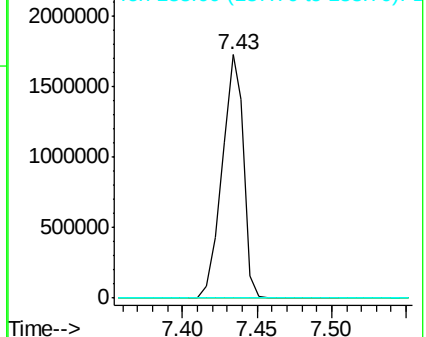
138 0.0 15.3 22.9#

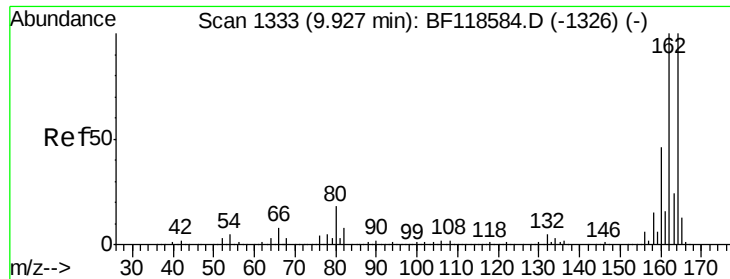


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

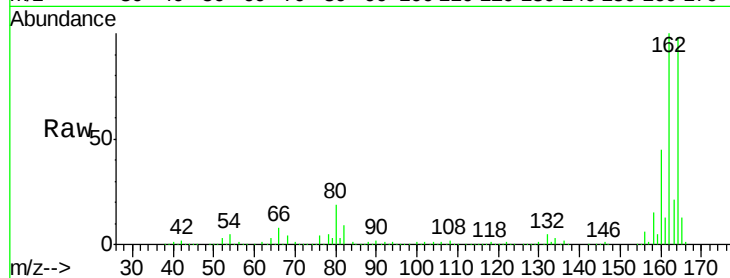




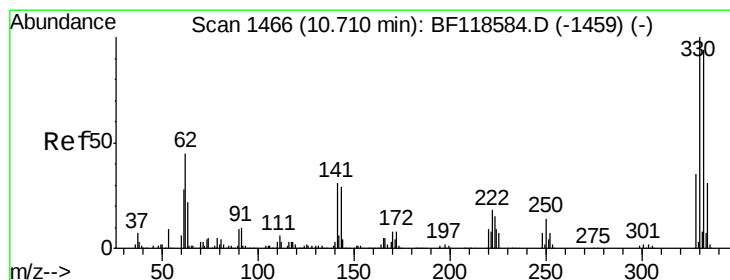
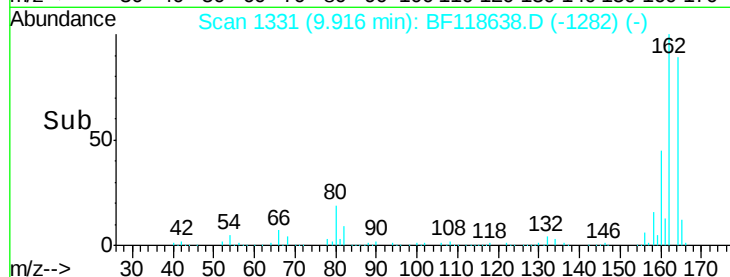
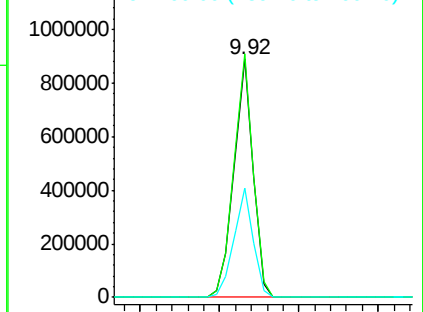
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BF118638.D  
Acq: 21 Jan 2020 17:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 755039  
Ion Ratio Lower Upper  
164 100  
162 102.1 80.4 120.6  
160 46.0 36.6 55.0

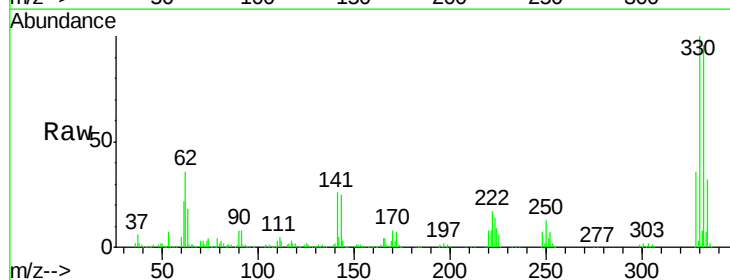


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

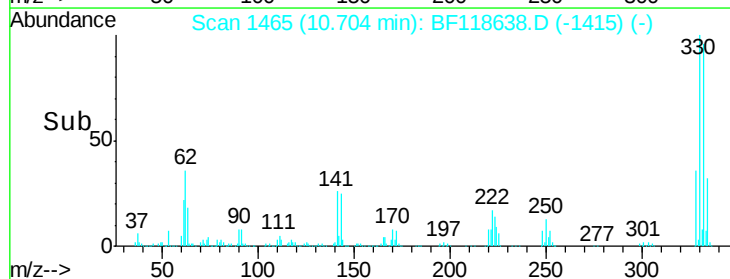
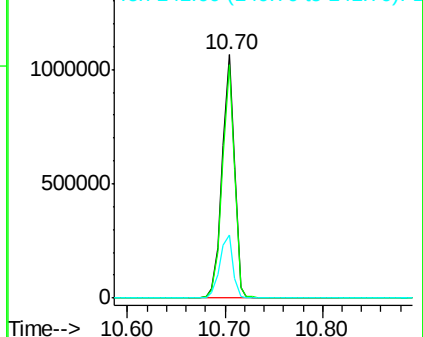


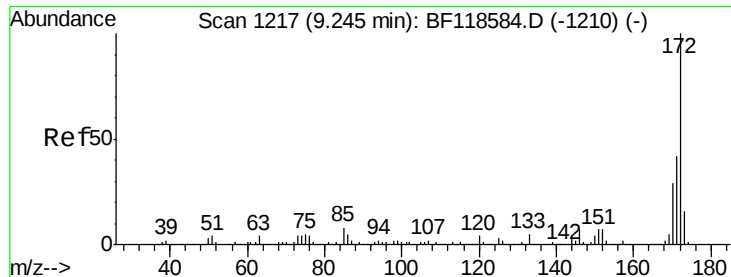
#42  
2,4,6-Tribromophenol  
Concen: 107.898 ng  
RT: 10.70 min Scan# 1465  
Delta R.T. -0.01 min  
Lab File: BF118638.D  
Acq: 21 Jan 2020 17:31

Tgt Ion:330 Resp: 942274  
Ion Ratio Lower Upper  
330 100  
332 95.0 76.2 114.4  
141 27.5 23.9 35.9



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

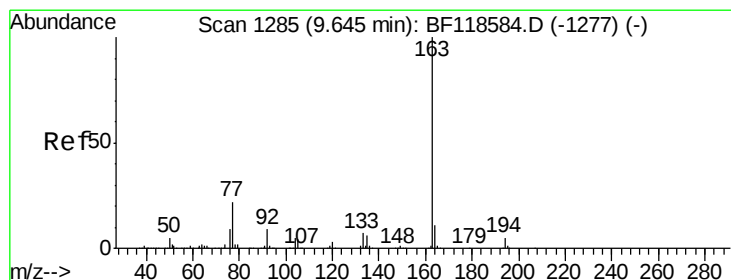
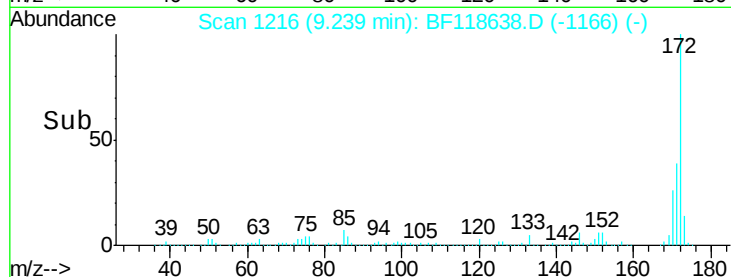
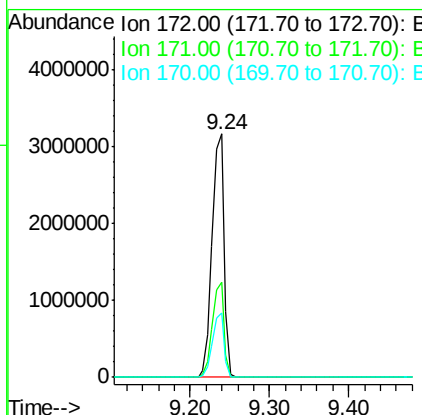
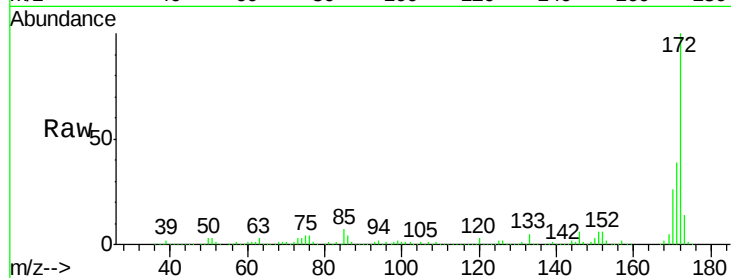




#45  
2-Fluorobiphenyl  
Concen: 72.399 ng  
RT: 9.24 min Scan# 1216  
Delta R.T. -0.01 min  
Lab File: BF118638.D  
Acq: 21 Jan 2020 17:31

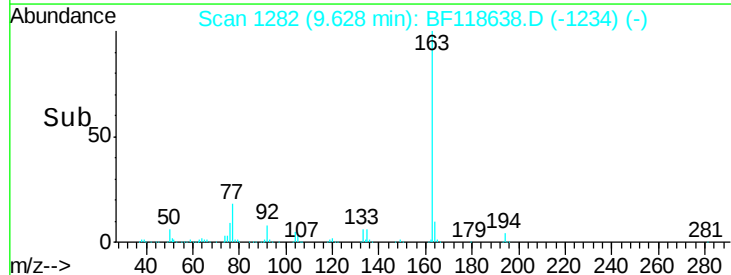
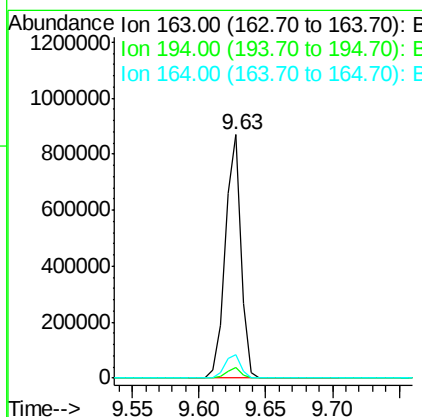
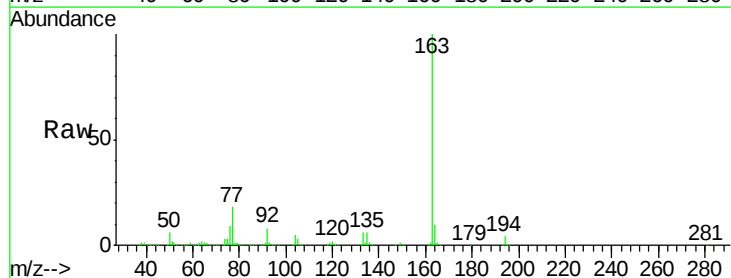
Instrument :  
BNA\_F  
ClientSampleId :

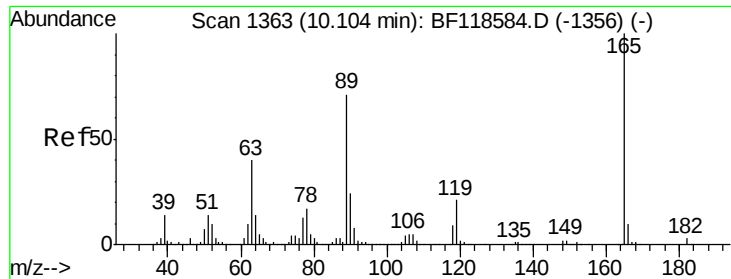
Tot Ion:172 Resp: 3325828  
Ion Ratio Lower Upper  
172 100  
171 38.9 33.4 50.2  
170 26.3 23.2 34.8



#50  
Dimethylphthalate  
Concen: 14.670 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.02 min  
Lab File: BF118638.D  
Acq: 21 Jan 2020 17:31

Tgt Ion:163 Resp: 721643  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.9 5.9  
164 9.7 9.1 13.7

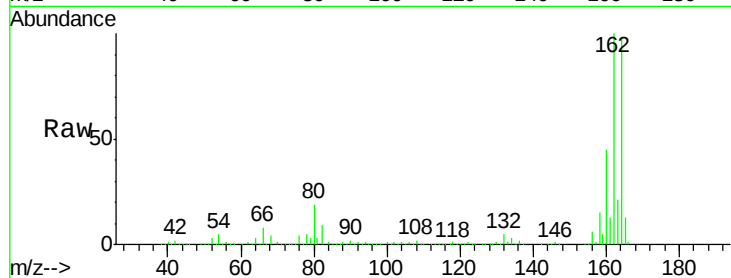




#57  
 2,4-Dinitrotoluene  
 Concen: 7.256 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.19 min  
 Lab File: BF118638.D  
 Acq: 21 Jan 2020 17:31

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 32.4  | 48.6# |
| 89      | 1.3   | 56.4  | 84.6# |
| 182     | 0.0   | 2.3   | 3.5#  |

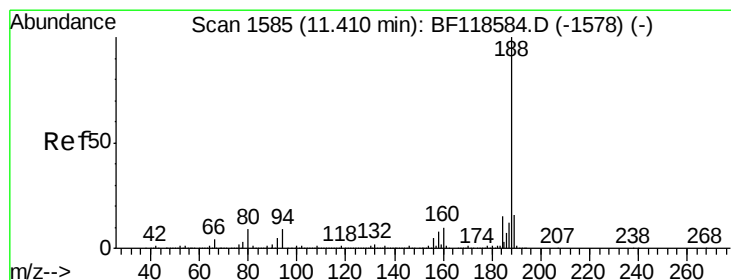
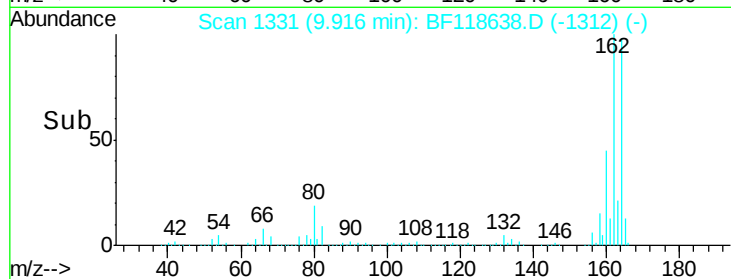
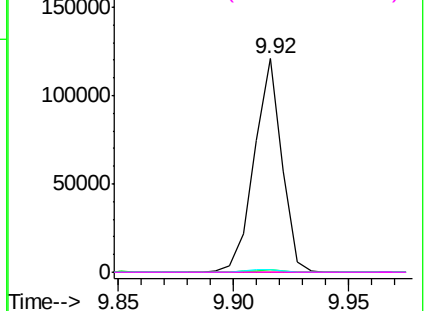


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

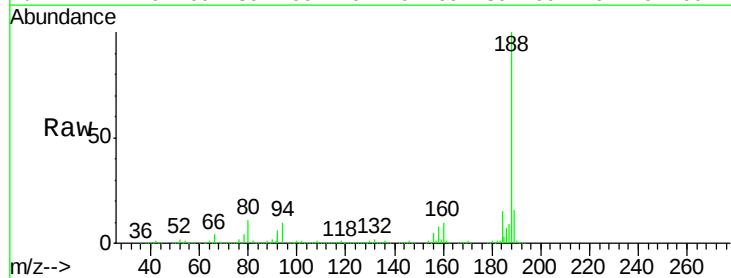
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.40 min Scan# 1583  
 Delta R.T. -0.01 min  
 Lab File: BF118638.D  
 Acq: 21 Jan 2020 17:31

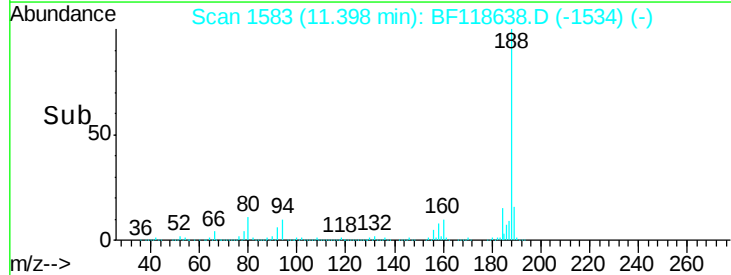
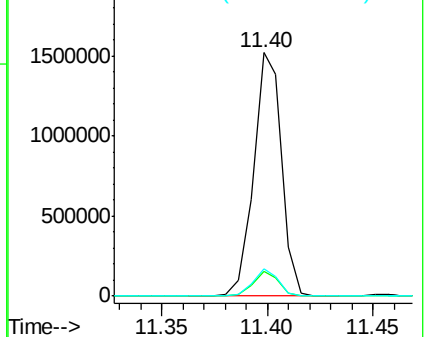
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.3  | 7.1   | 10.7  |
| 80      | 11.1  | 7.5   | 11.3  |



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

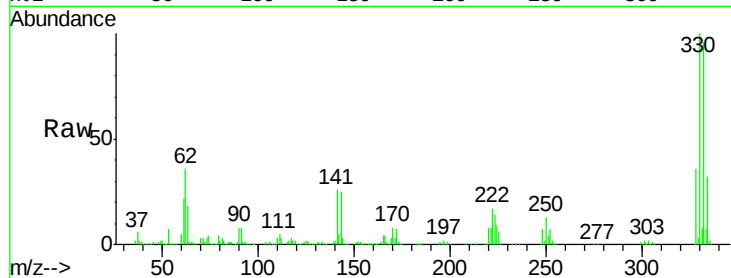




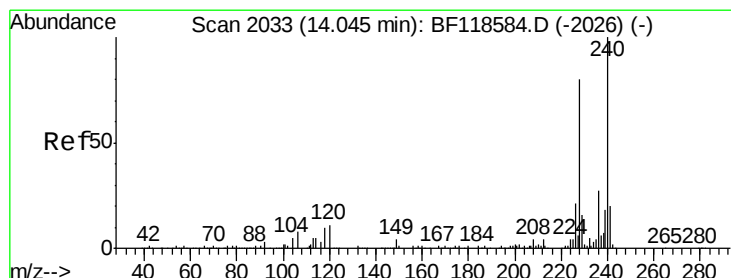
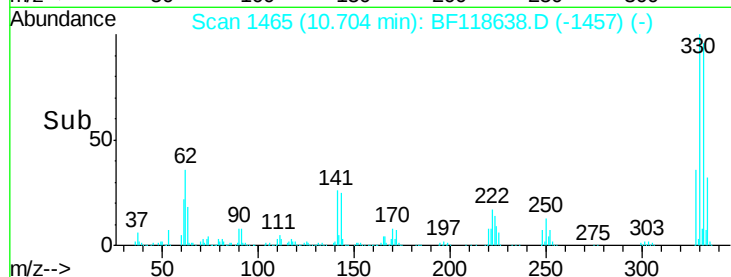
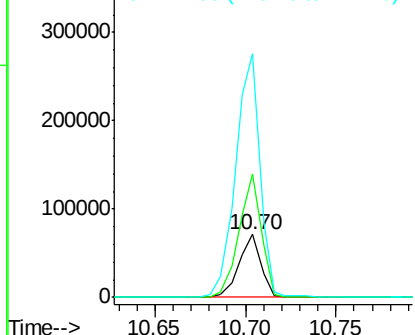
#67  
4-Bromophenyl-phenylether  
Concen: 3.466 ng  
RT: 10.70 min Scan# 1465  
Delta R.T. -0.25 min  
Lab File: BF118638.D  
Acq: 21 Jan 2020 17:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 59831  
Ion Ratio Lower Upper  
248 100  
250 197.8 78.7 118.1#  
141 389.4 43.2 64.8#

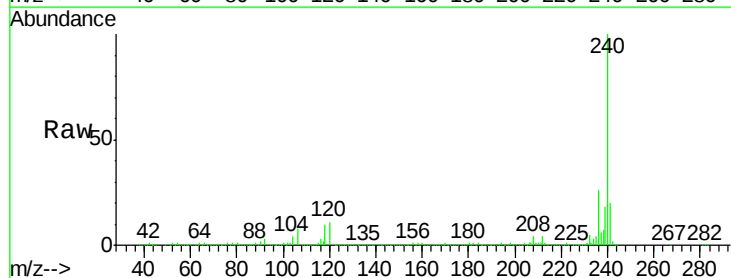


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

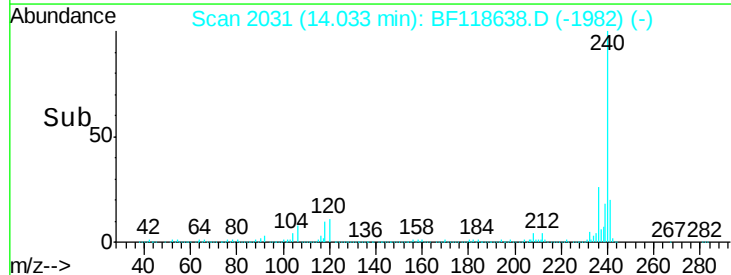
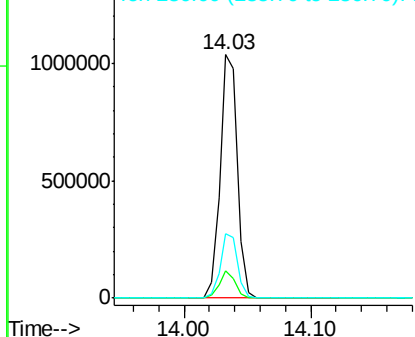


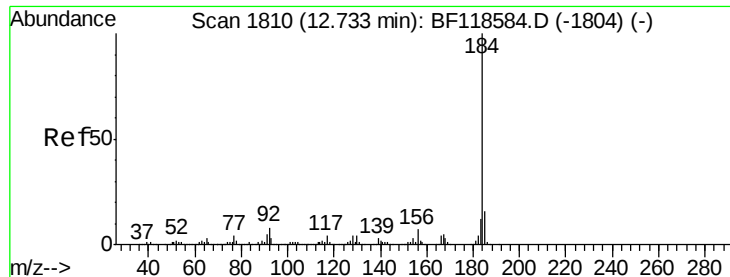
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.03 min Scan# 2031  
Delta R.T. -0.01 min  
Lab File: BF118638.D  
Acq: 21 Jan 2020 17:31

Tgt Ion:240 Resp: 982417  
Ion Ratio Lower Upper  
240 100  
120 11.3 8.9 13.3  
236 26.3 21.5 32.3



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





#77

Benzidine

Concen: 2.102 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.25 min

Lab File: BF118638.D

Acq: 21 Jan 2020 17:31

Instrument :

BNA\_F

ClientSampleId :

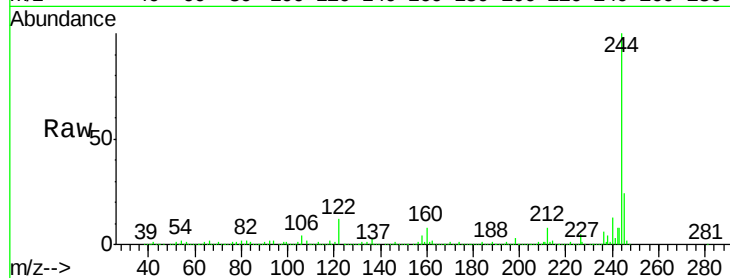
Tot Ion:184 Resp: 55171

Ion Ratio Lower Upper

184 100

185 16.1 12.9 19.3

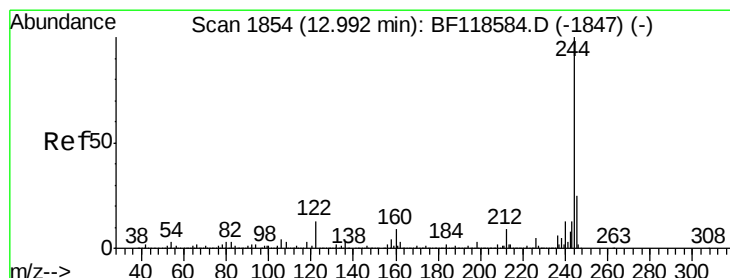
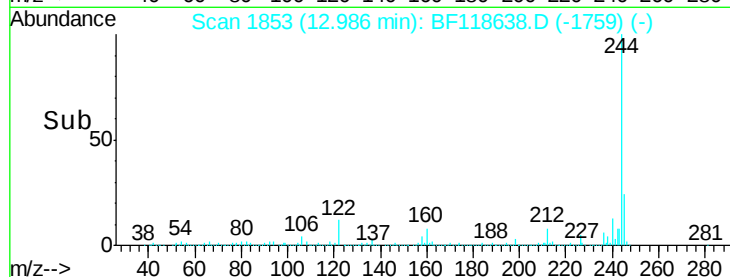
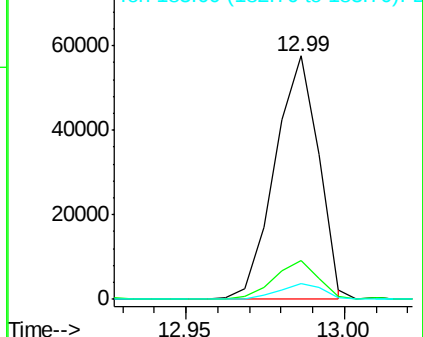
183 6.4 9.6 14.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 89.457 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF118638.D

Acq: 21 Jan 2020 17:31

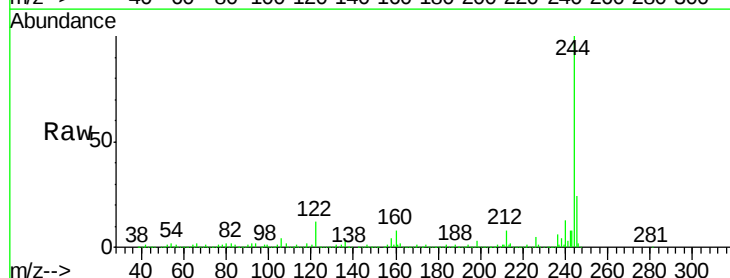
Tgt Ion:244 Resp: 4029337

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

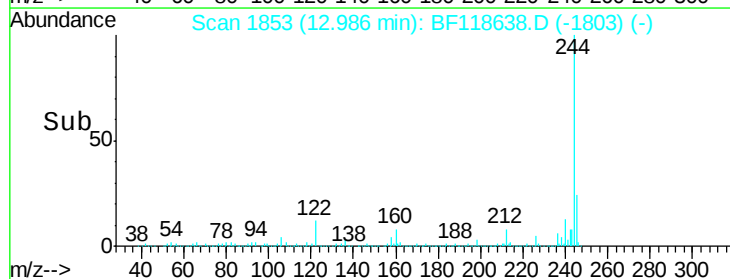
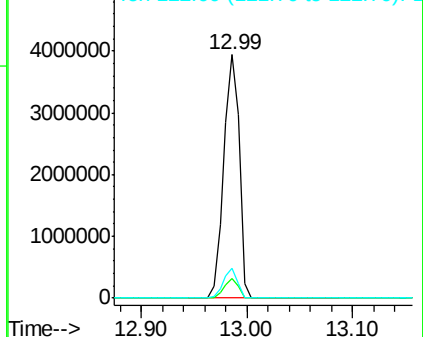
122 12.3 10.7 16.1

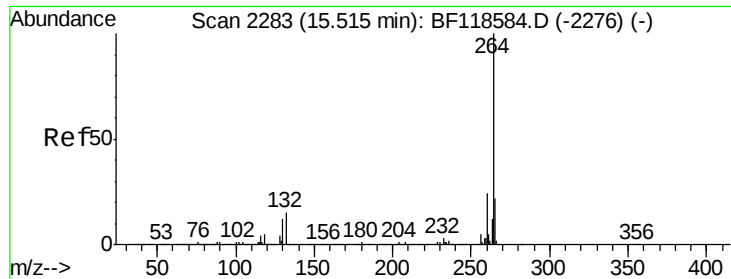


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

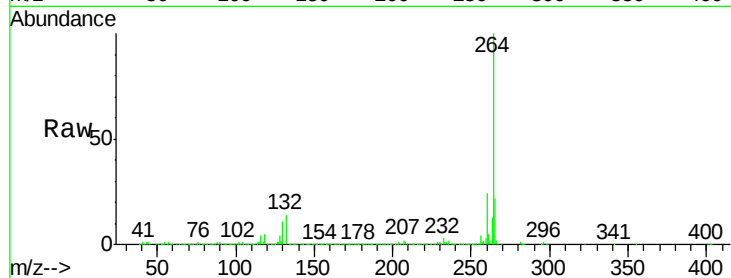




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.52 min Scan# 2283  
Delta R.T. 0.00 min  
Lab File: BF118638.D  
Acq: 21 Jan 2020 17:31

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.6  | 29.4  |
| 265     | 21.6  | 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

