

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF040620\  
 Data File : BF119798.D  
 Acq On : 7 Apr 2020 4:00  
 Operator : MA/SJ  
 Sample : L2135-07  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4I-(0-2)

Quant Time: Apr 07 04:33:21 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 06 11:15:16 2020  
 Response via : Initial Calibration

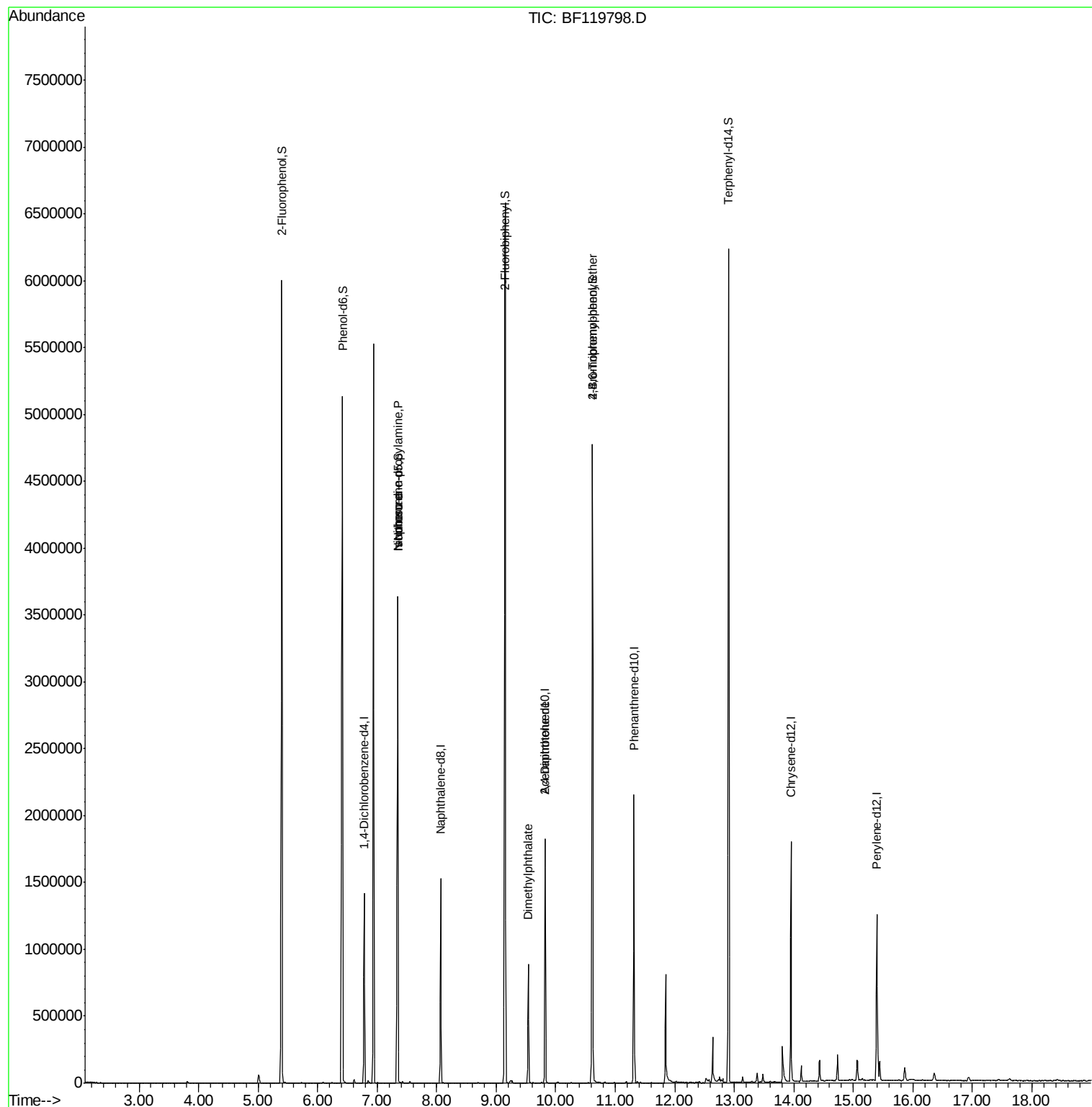
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.78  | 152  | 196853   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.07  | 136  | 739474   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.82  | 164  | 385963   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.31 | 188  | 754311   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.95 | 240  | 589523   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.40 | 264  | 569385   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 1705237  | 137.90 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.42  | 99   | 2185387  | 138.35 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.35  | 82   | 1356731  | 99.71  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.62 | 330  | 652466   | 163.86 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.15  | 172  | 2419758  | 92.88  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.91 | 244  | 2637691  | 87.66  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.35  | 70   | 178407   | 18.74  | ng    | # 73     |
| 25) Isophorone                 | 7.35  | 82   | 1352784  | 49.01  | ng    | # 65     |
| 50) Dimethylphthalate          | 9.54  | 163  | 321935   | 11.74  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.82  | 165  | 49011    | 6.62   | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether  | 10.62 | 248  | 38785    | 4.51   | ng    | # 1      |

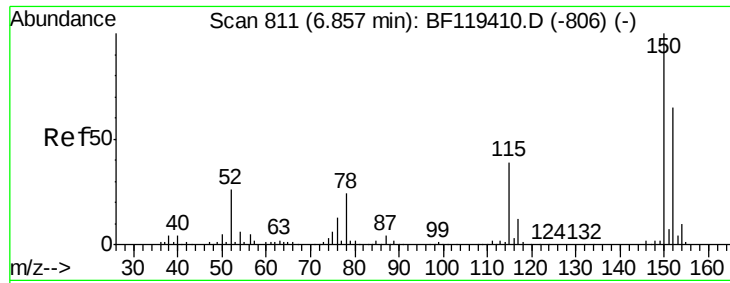
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 06 11:15:16 2020  
Response via : Initial Calibration

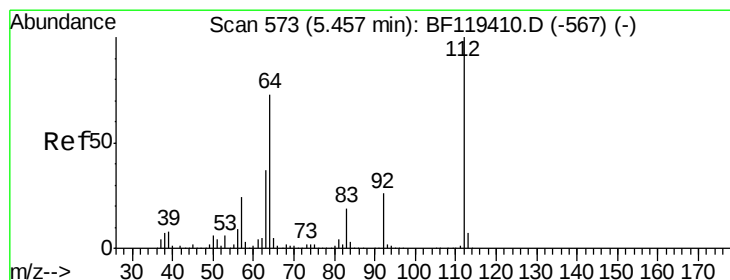
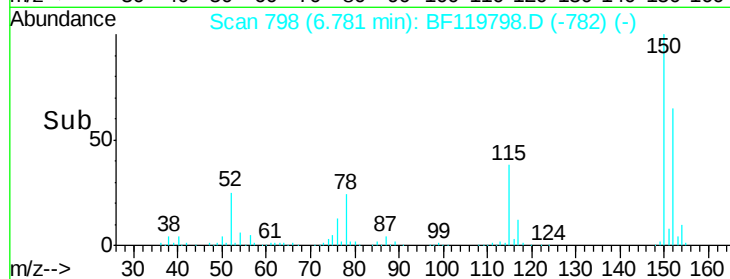
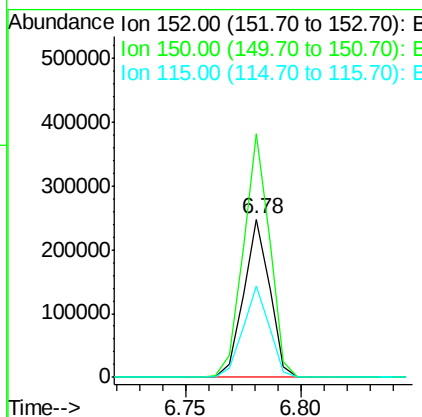
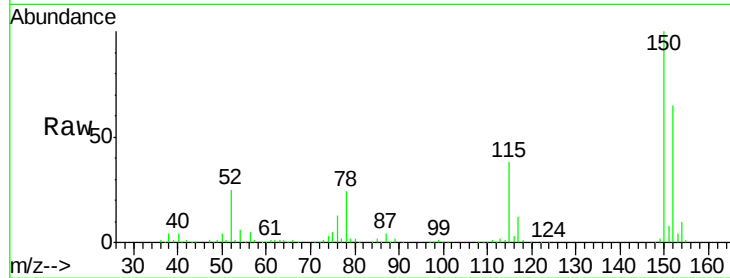




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.78 min Scan# 798  
 Delta R.T. -0.01 min  
 Lab File: BF119798.D  
 Acq: 7 Apr 2020 4:00

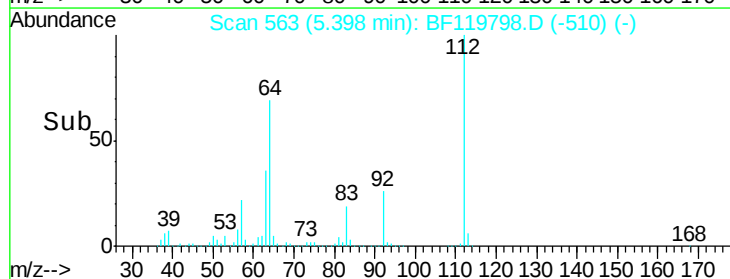
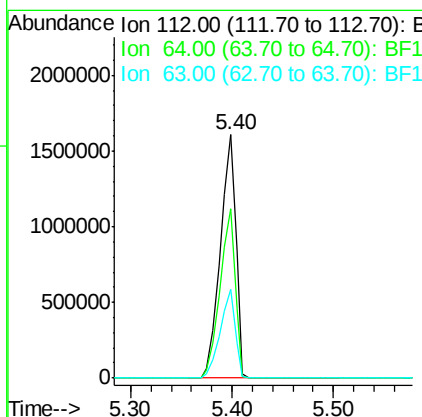
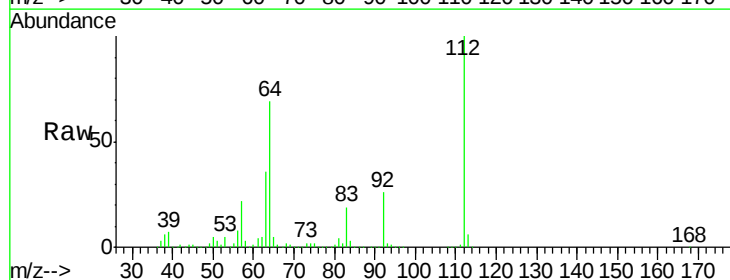
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4I-(0-2)

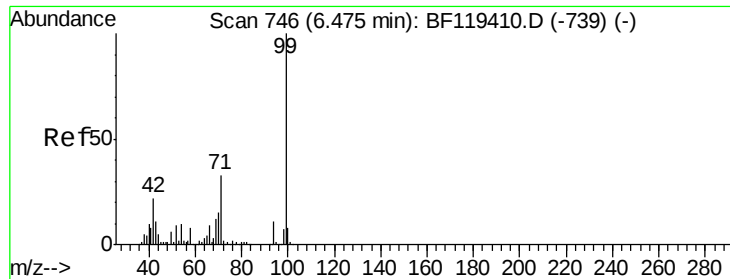
Tgt Ion:152 Resp: 196853  
 Ion Ratio Lower Upper  
 152 100  
 150 153.8 124.5 186.7  
 115 57.8 49.6 74.4



#5  
 2-Fluorophenol  
 Concen: 137.90 ng  
 RT: 5.40 min Scan# 563  
 Delta R.T. 0.01 min  
 Lab File: BF119798.D  
 Acq: 7 Apr 2020 4:00

Tgt Ion:112 Resp: 1705237  
 Ion Ratio Lower Upper  
 112 100  
 64 69.3 56.7 85.1  
 63 36.2 29.5 44.3





#7

Phenol-d6

Concen: 138.35 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF119798.D

Acq: 7 Apr 2020 4:00

Instrument :

BNA\_F

ClientSampleId :

SB-4I-(0-2)

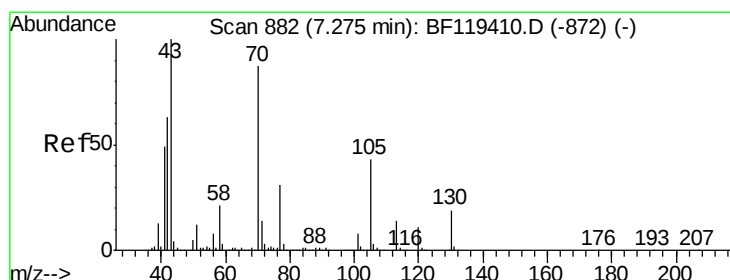
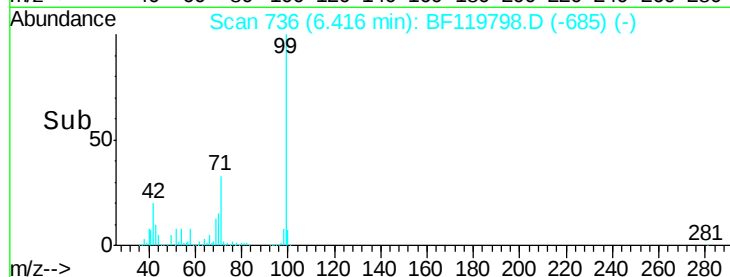
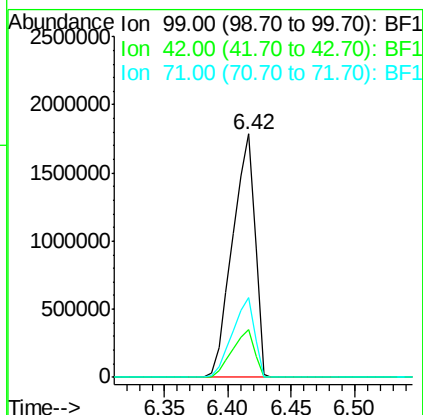
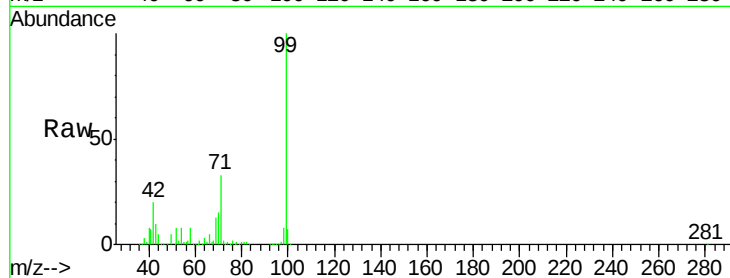
Tgt Ion: 99 Resp: 2185387

Ion Ratio Lower Upper

99 100

42 19.6 16.6 24.8

71 33.0 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 18.74 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF119798.D

Acq: 7 Apr 2020 4:00

Tgt Ion: 70 Resp: 178407

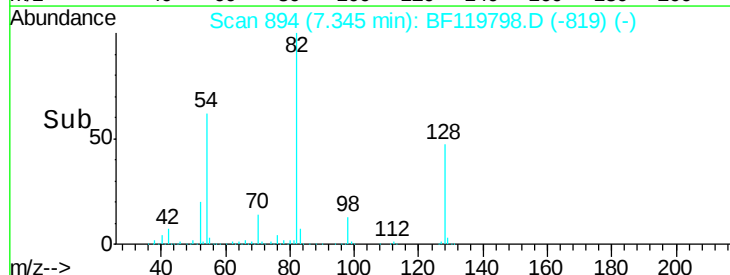
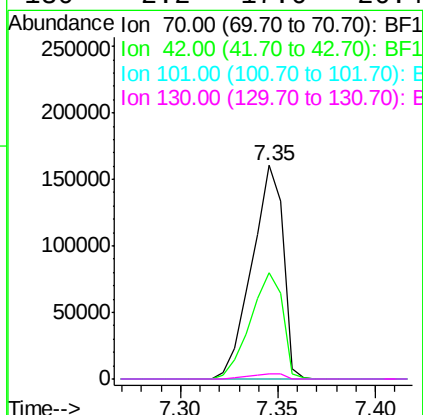
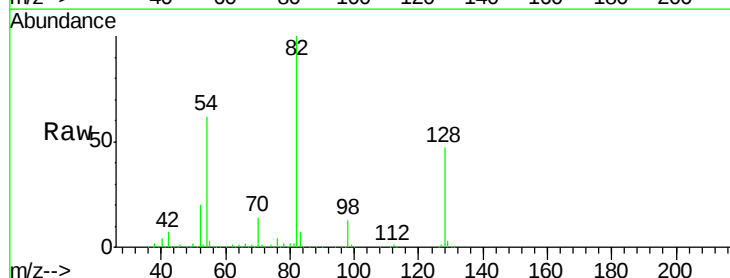
Ion Ratio Lower Upper

70 100

42 50.1 54.5 81.7#

101 0.0 7.6 11.4#

130 2.2 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF119798.D

Acq: 7 Apr 2020 4:00

Instrument :

BNA\_F

ClientSampleId :

SB-4I-(0-2)

Tgt Ion:136 Resp: 739474

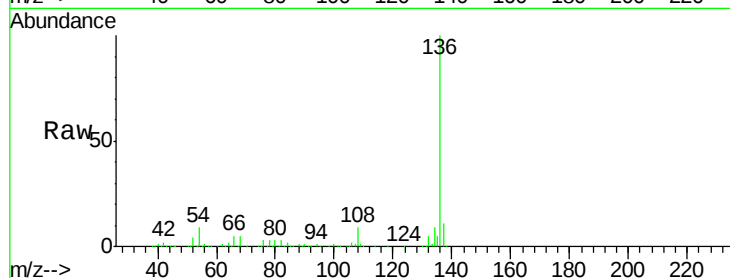
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 9.4 9.1 13.7

68 5.1 4.6 6.8

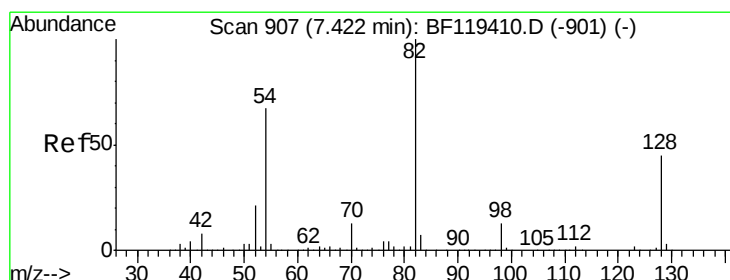
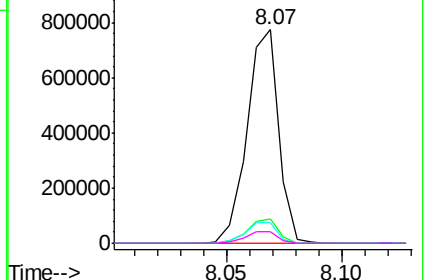
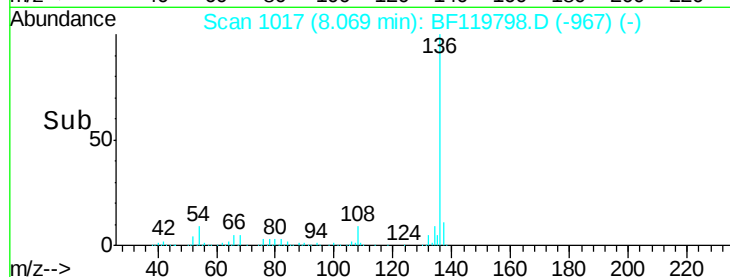


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 99.71 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF119798.D

Acq: 7 Apr 2020 4:00

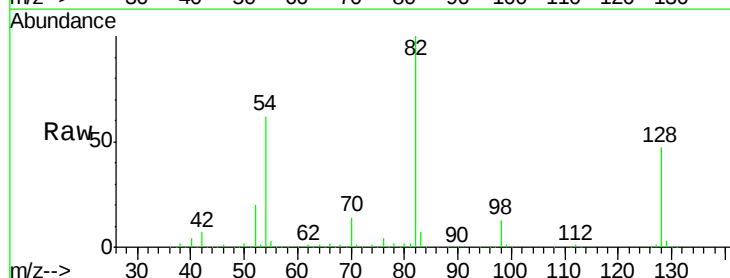
Tgt Ion: 82 Resp: 1356731

Ion Ratio Lower Upper

82 100

128 46.6 36.3 54.5

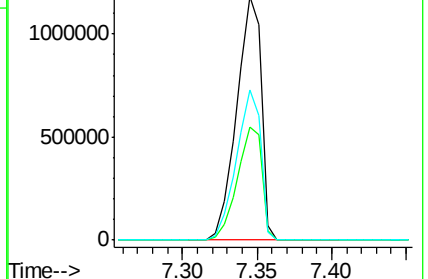
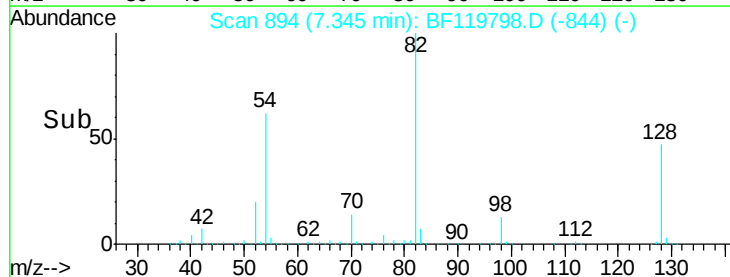
54 61.6 50.6 75.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.01 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF119798.D

Acq: 7 Apr 2020 4:00

Instrument :

BNA\_F

ClientSampleId :

SB-4I-(0-2)

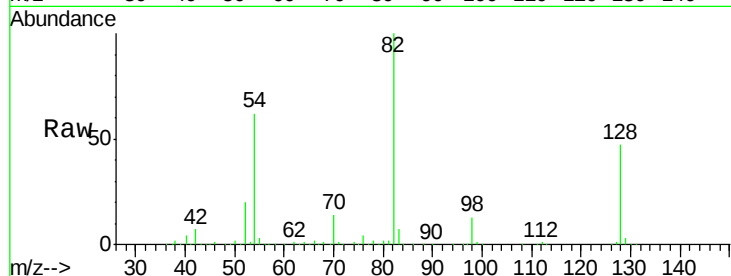
Tgt Ion: 82 Resp: 1352784

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

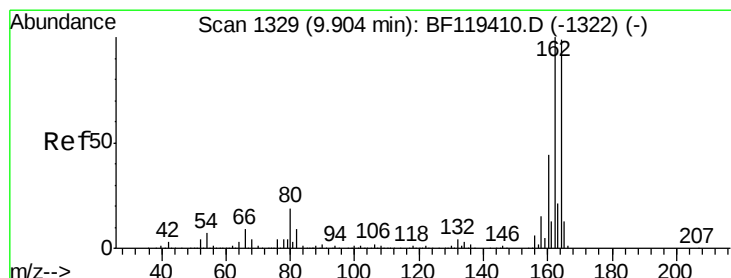
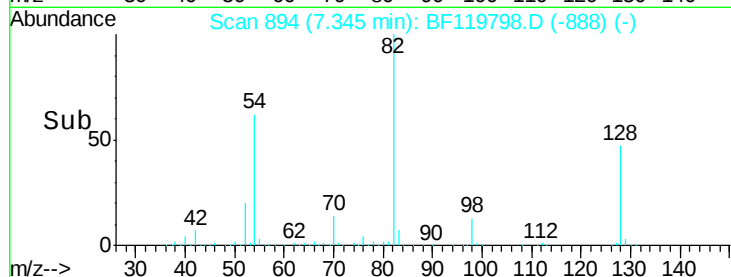
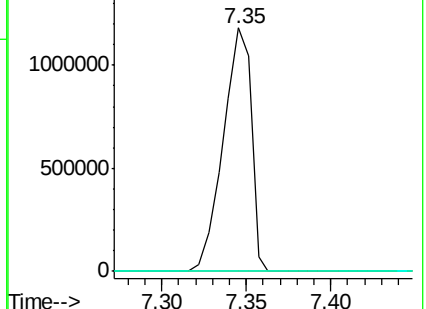
138 0.0 14.6 21.8#



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: 20.00 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF119798.D

Acq: 7 Apr 2020 4:00

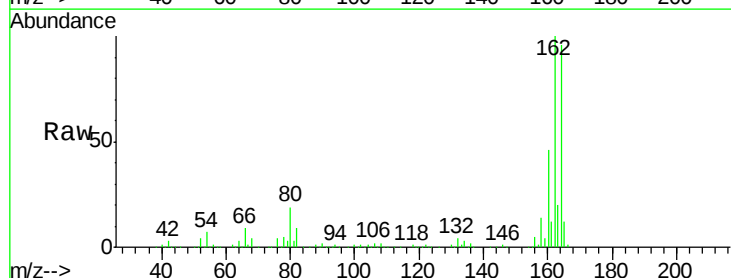
Tgt Ion: 164 Resp: 385963

Ion Ratio Lower Upper

164 100

162 103.9 80.6 121.0

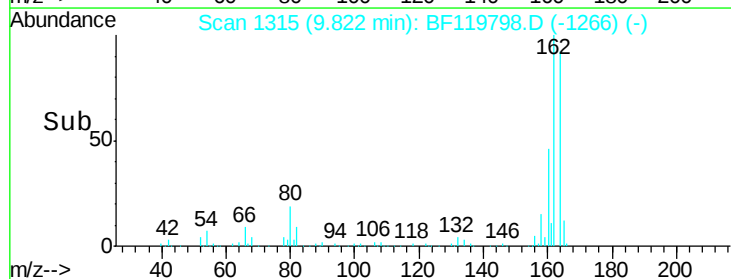
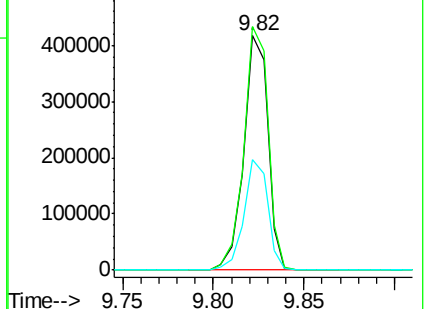
160 47.3 35.7 53.5



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

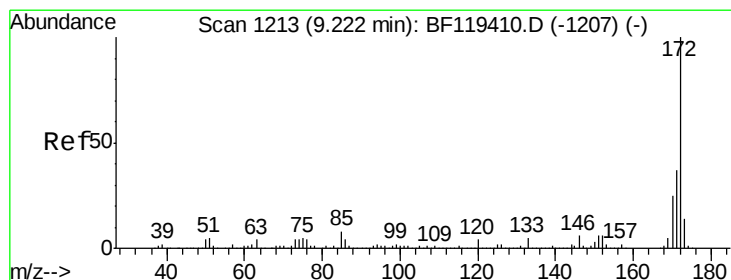
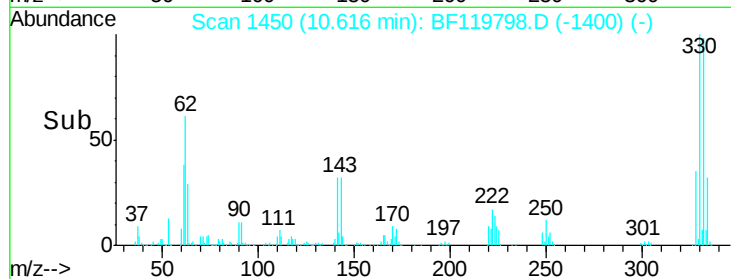
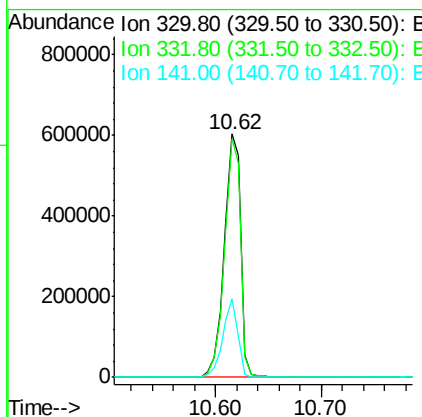
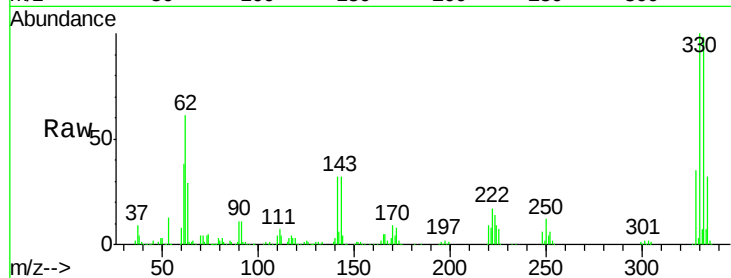




#42  
 2,4,6-Tribromophenol  
 Concen: 163.86 ng  
 RT: 10.62 min Scan# 1450  
 Delta R.T. -0.01 min  
 Lab File: BF119798.D  
 Acq: 7 Apr 2020 4:00

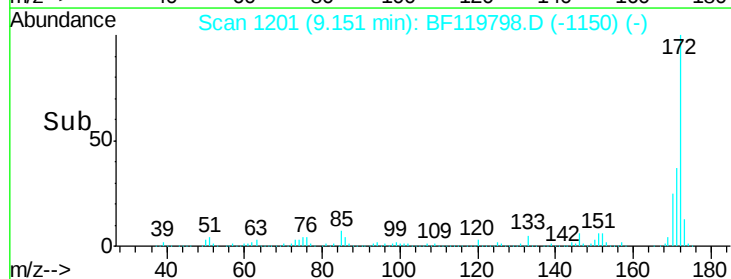
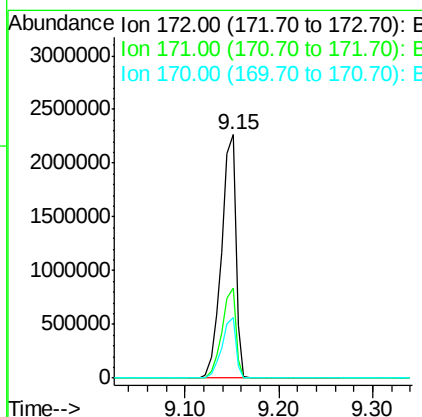
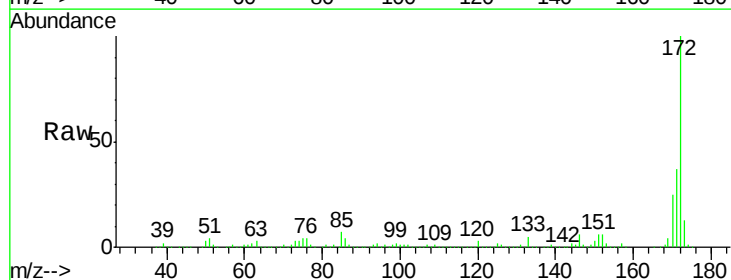
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4I-(0-2)

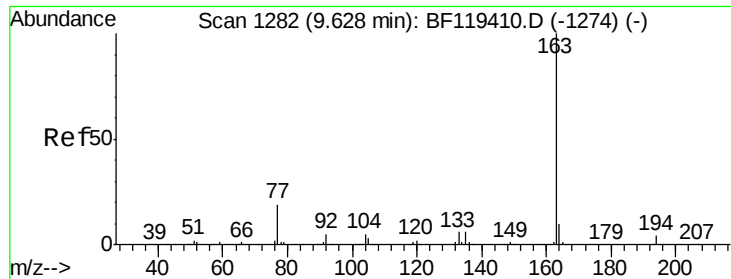
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 75.7  | 113.5 |
| 141     | 29.9  | 25.4  | 38.0  |



#45  
 2-Fluorobiphenyl  
 Concen: 92.88 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. 0.00 min  
 Lab File: BF119798.D  
 Acq: 7 Apr 2020 4:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.6  | 44.4  |
| 170     | 24.9  | 20.2  | 30.2  |

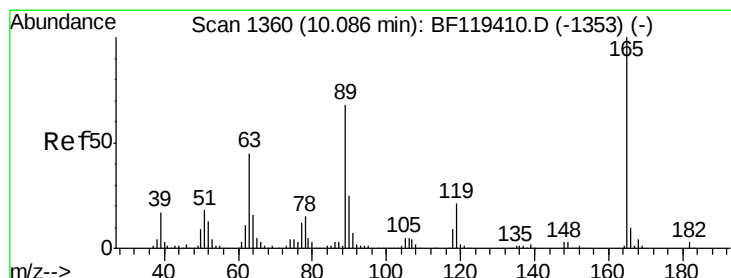
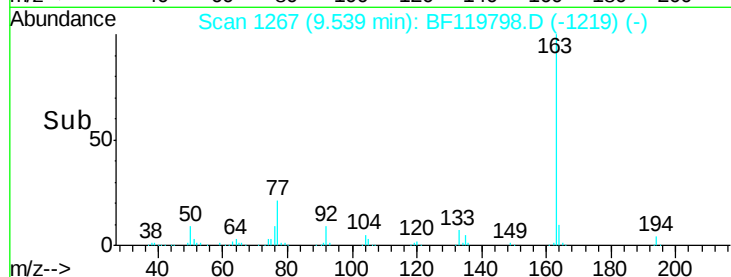
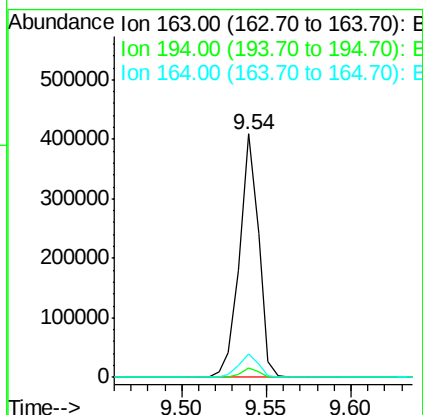
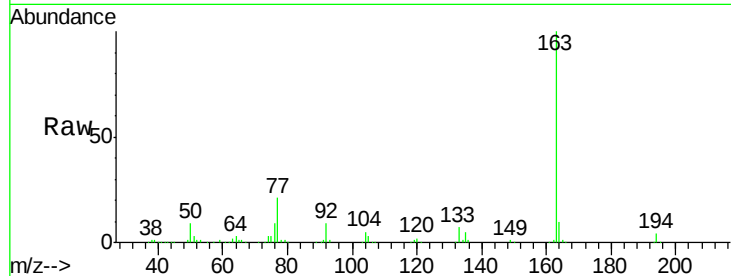




#50  
Dimethylphthalate  
Concen: 11.74 ng  
RT: 9.54 min Scan# 1267  
Delta R.T. -0.02 min  
Lab File: BF119798.D  
Acq: 7 Apr 2020 4:00

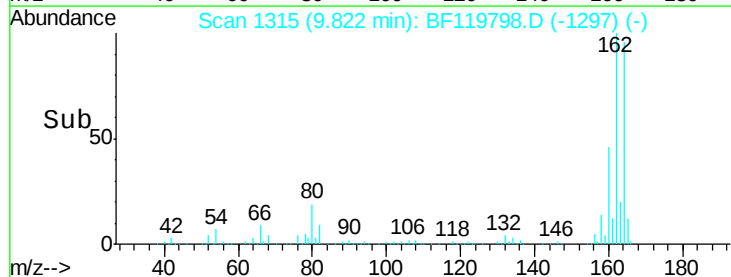
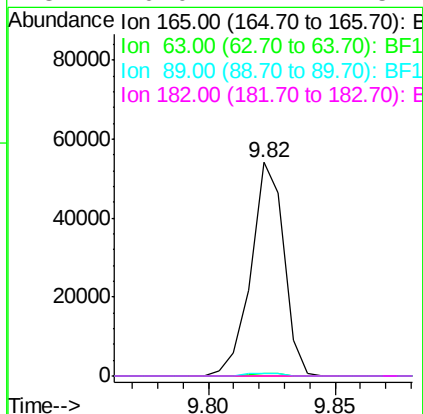
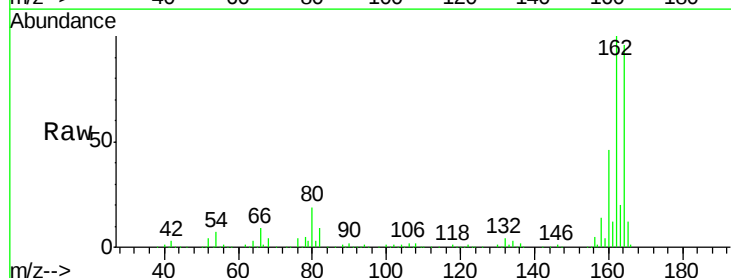
Instrument :  
BNA\_F  
ClientSampleId :  
SB-4I-(0-2)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 3.1   | 4.7   |
| 164     | 9.7   | 8.2   | 12.2  |



#57  
2,4-Dinitrotoluene  
Concen: 6.62 ng  
RT: 9.82 min Scan# 1315  
Delta R.T. -0.19 min  
Lab File: BF119798.D  
Acq: 7 Apr 2020 4:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 42.6  | 64.0# |
| 89      | 1.3   | 61.0  | 91.4# |
| 182     | 0.0   | 2.2   | 3.2#  |





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF119798.D

Acq: 7 Apr 2020 4:00

Instrument :

BNA\_F

ClientSampleId :

SB-4I-(0-2)

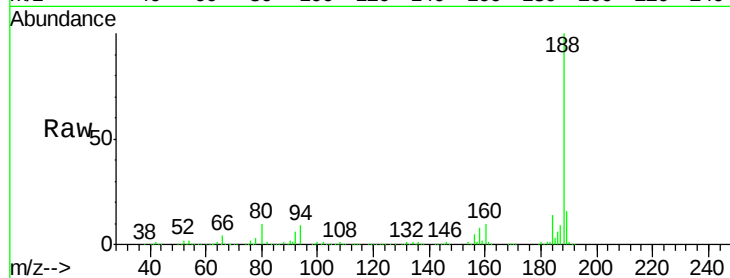
Tgt Ion:188 Resp: 754311

Ion Ratio Lower Upper

188 100

94 9.2 7.5 11.3

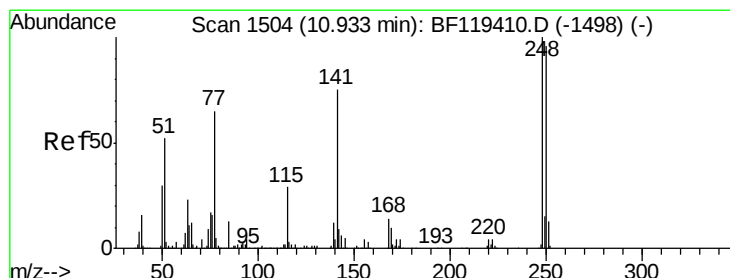
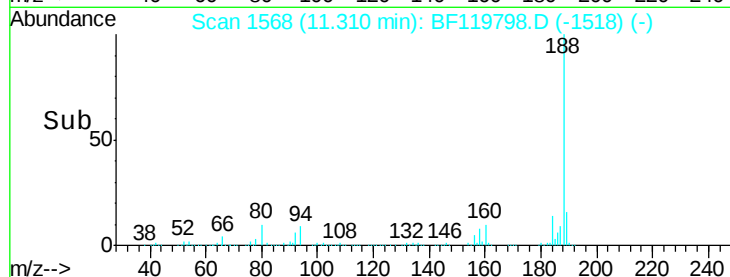
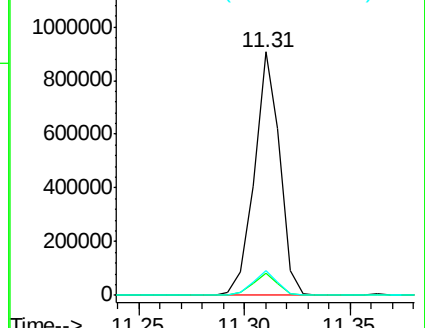
80 10.1 9.0 13.4



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: 4.51 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF119798.D

Acq: 7 Apr 2020 4:00

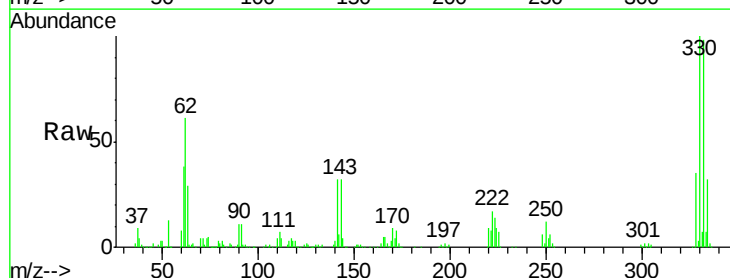
Tgt Ion:248 Resp: 38785

Ion Ratio Lower Upper

248 100

250 193.3 77.3 115.9#

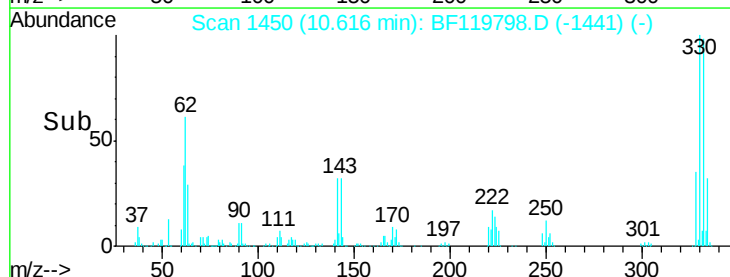
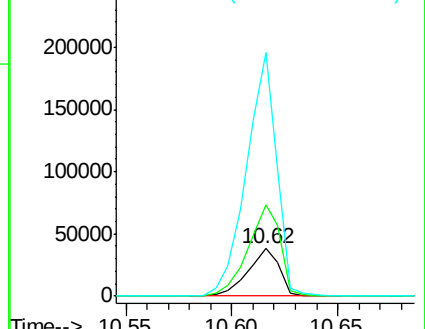
141 514.1 58.6 87.8#

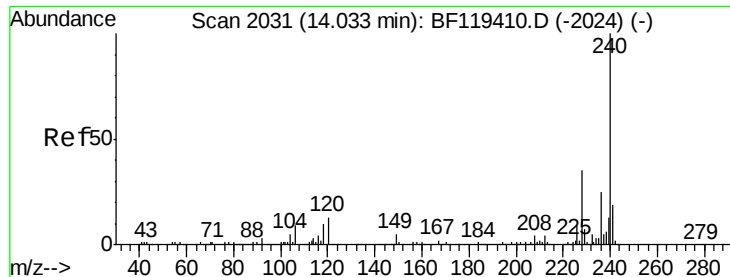


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

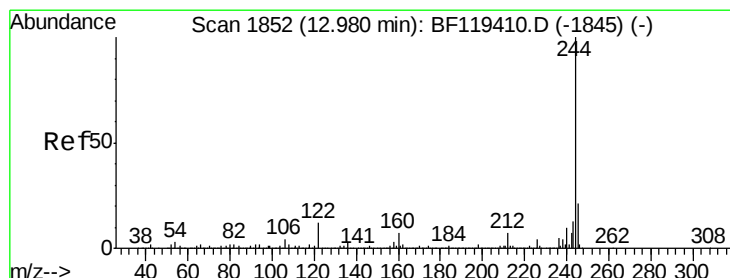
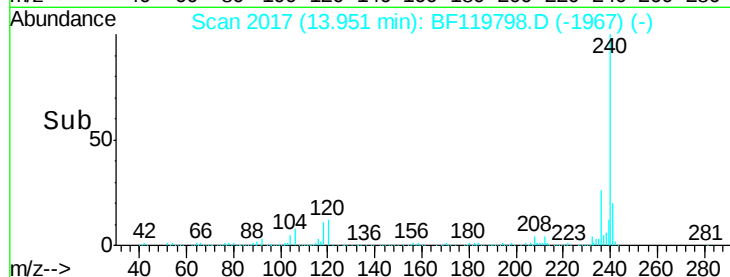
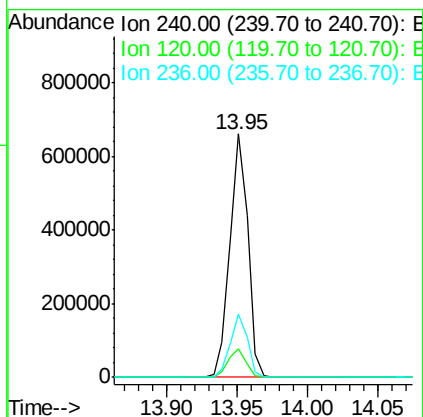
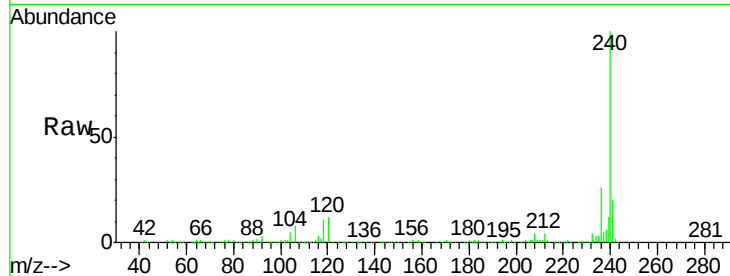




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. -0.01 min  
Lab File: BF119798.D  
Acq: 7 Apr 2020 4:00

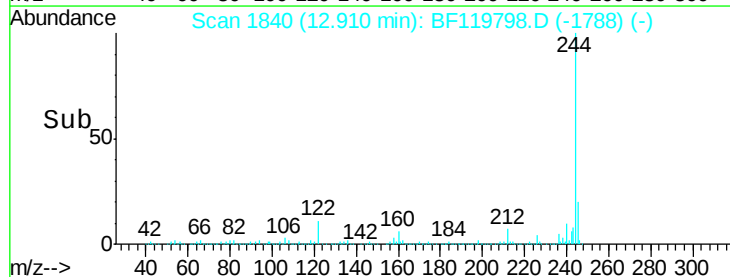
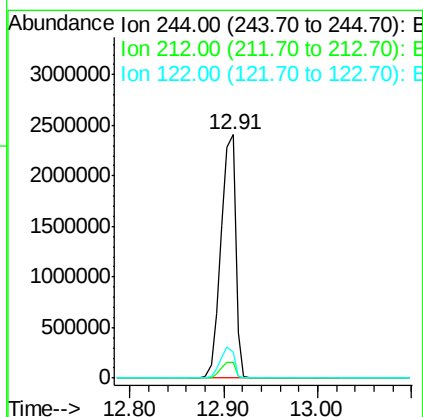
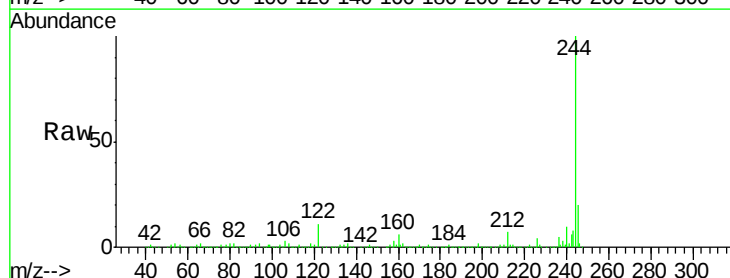
Instrument :  
BNA\_F  
ClientSampleId :  
SB-4I-(0-2)

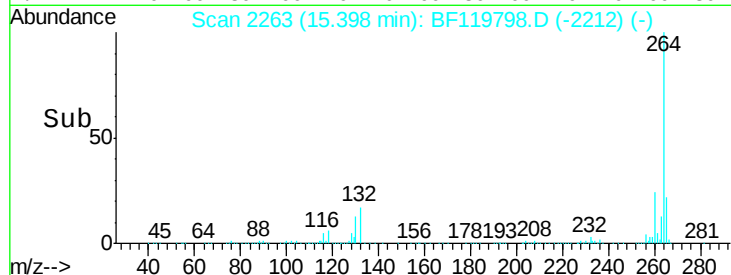
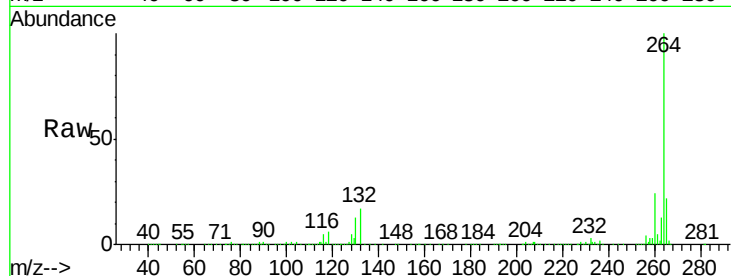
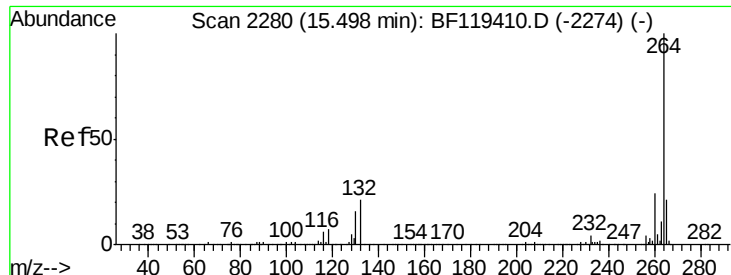
Tgt Ion:240 Resp: 589523  
Ion Ratio Lower Upper  
240 100  
120 11.8 10.6 15.8  
236 25.8 20.2 30.2



#79  
Terphenyl-d14  
Concen: 87.66 ng  
RT: 12.91 min Scan# 1840  
Delta R.T. 0.01 min  
Lab File: BF119798.D  
Acq: 7 Apr 2020 4:00

Tgt Ion:244 Resp: 2637691  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.8 8.8  
122 10.8 10.3 15.5





#87  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.40 min Scan# 2263  
Delta R.T. 0.00 min  
Lab File: BF119798.D  
Acq: 7 Apr 2020 4:00

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4I-(0-2)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 569385 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.9  | 18.7  | 28.1   |
| 265       | 21.6  | 17.7  | 26.5   |

