

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042120\  
 Data File : BF120108.D  
 Acq On : 21 Apr 2020 17:58  
 Operator : MA/SJ  
 Sample : L2343-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1B

Quant Time: Apr 22 01:48:34 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 21 13:48:22 2020  
 Response via : Initial Calibration

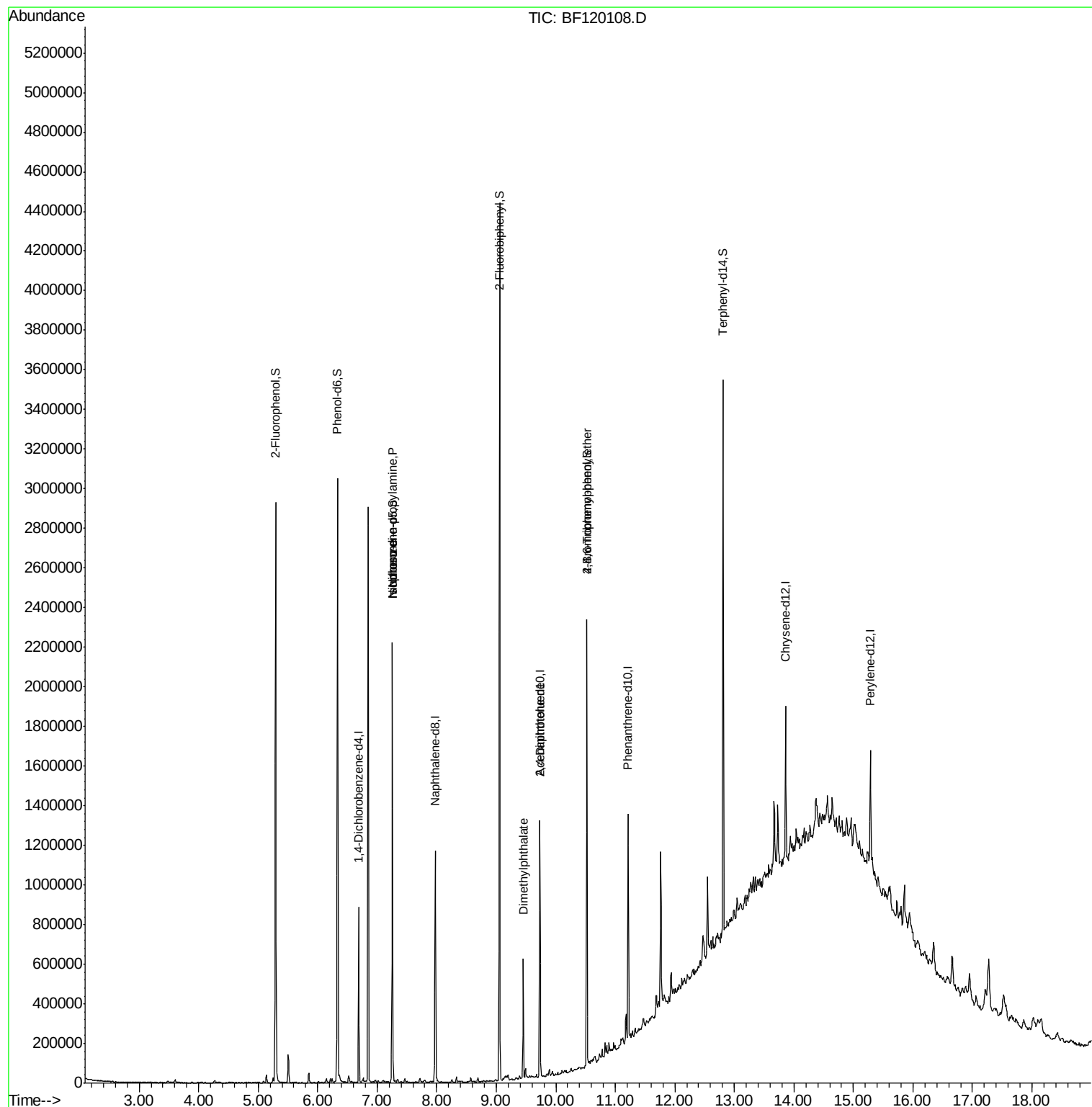
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-----------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.69  | 152  | 126030   | 20.00     | ng    | 0.00        |
| 21) Naphthalene-d8             | 7.97  | 136  | 480568   | 20.00     | ng    | 0.00        |
| 39) Acenaphthene-d10           | 9.73  | 164  | 233534   | 20.00     | ng    | 0.00        |
| 64) Phenanthrene-d10           | 11.22 | 188  | 394142   | 20.00     | ng    | 0.00        |
| 76) Chrysene-d12               | 13.86 | 240  | 238160   | 20.00     | ng    | 0.00        |
| 87) Perylene-d12               | 15.29 | 264  | 252778   | 20.00     | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |           |       |             |
| 5) 2-Fluorophenol              | 5.30  | 112  | 850374   | 116.61    | ng    | 0.00        |
| 7) Phenol-d6                   | 6.33  | 99   | 1088378  | 115.82    | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 702737   | 75.65     | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol       | 10.53 | 330  | 251532   | 87.97     | ng    | 0.00        |
| 45) 2-Fluorobiphenyl           | 9.06  | 172  | 1295729  | 78.77     | ng    | 0.00        |
| 79) Terphenyl-d14              | 12.81 | 244  | 1005527  | 71.04     | ng    | 0.00        |
| Target Compounds               |       |      |          |           |       |             |
| 9) Benzaldehyde                | 6.24  | 77   | 2995     | Below Cal |       | Qvalue # 43 |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 92955    | 15.383    | ng    | # 77        |
| 25) Isophorone                 | 7.26  | 82   | 702728   | 39.243    | ng    | # 65        |
| 50) Dimethylphthalate          | 9.45  | 163  | 208627   | 11.550    | ng    | 100         |
| 57) 2,4-Dinitrotoluene         | 9.73  | 165  | 30412    | 5.835     | ng    | # 24        |
| 67) 4-Bromophenyl-phenylether  | 10.52 | 248  | 16304    | 3.326     | ng    | # 1         |

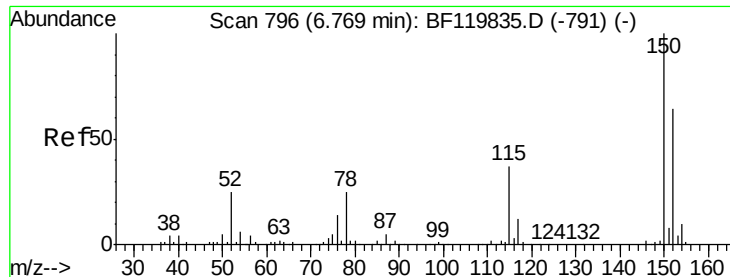
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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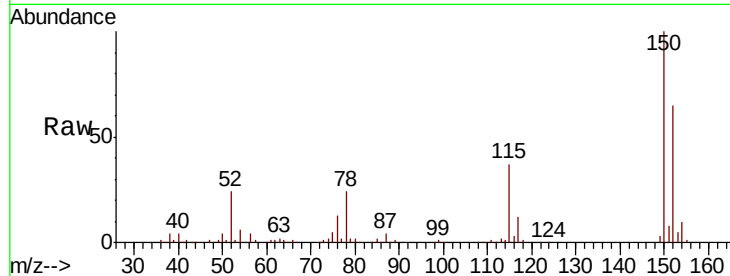


#1

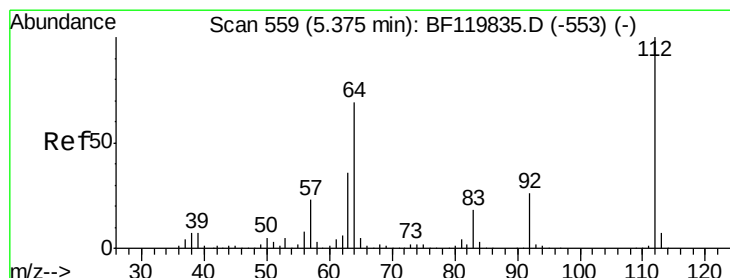
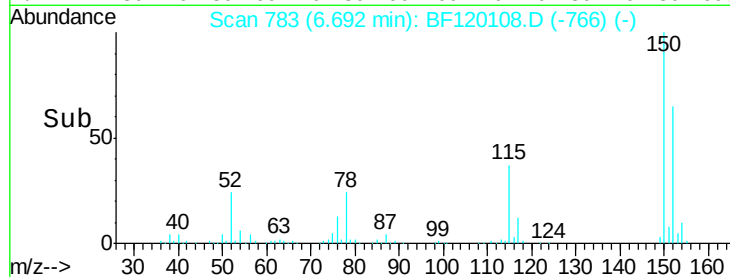
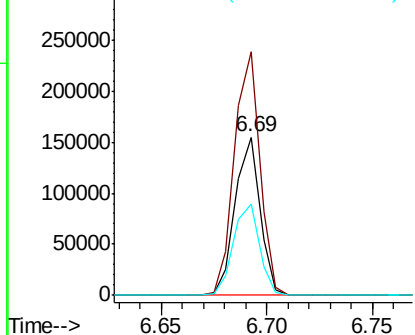
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.69 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: BF120108.D  
Acq: 21 Apr 2020 17:58

Instrument :  
BNA\_F  
ClientSampleId :  
SB-1B

Tot Ion:152 Resp: 126030  
Ion Ratio Lower Upper  
152 100  
150 153.7 124.8 187.2  
115 57.4 46.5 69.7



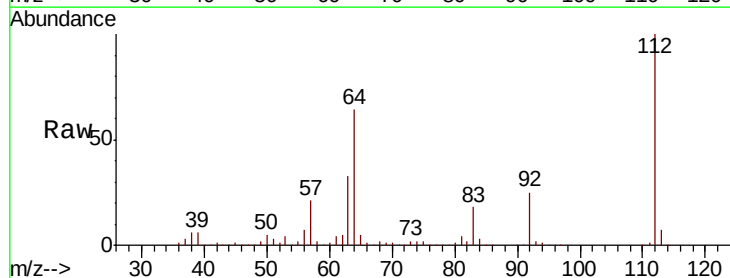
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



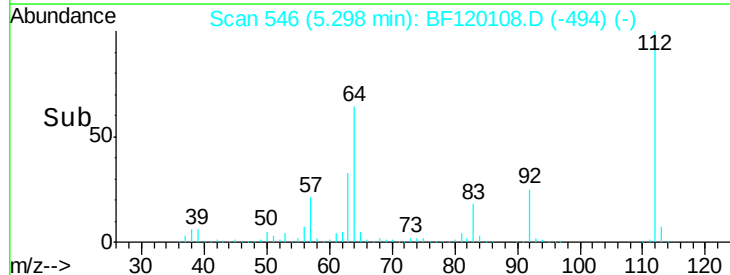
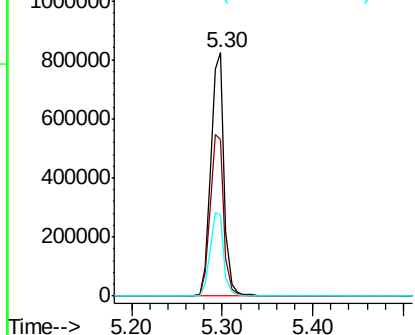
#5

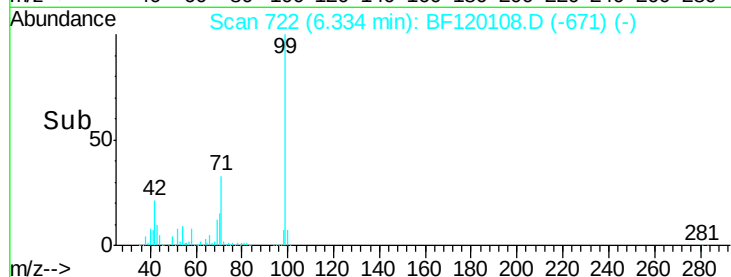
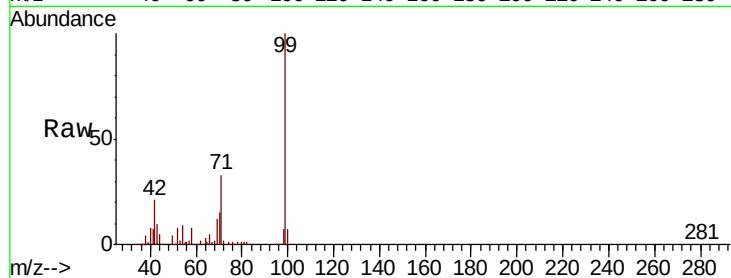
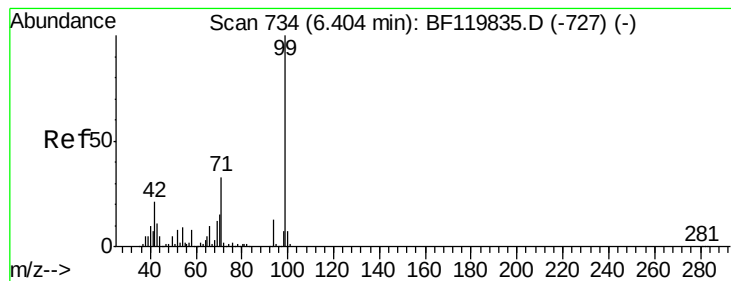
2-Fluorophenol  
Concen: 116.607 ng  
RT: 5.30 min Scan# 546  
Delta R.T. 0.01 min  
Lab File: BF120108.D  
Acq: 21 Apr 2020 17:58

Tgt Ion:112 Resp: 850374  
Ion Ratio Lower Upper  
112 100  
64 64.4 55.5 83.3  
63 33.4 29.1 43.7



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: 115.823 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF120108.D

Acq: 21 Apr 2020 17:58

Instrument :

BNA\_F

ClientSampleId :

SB-1B

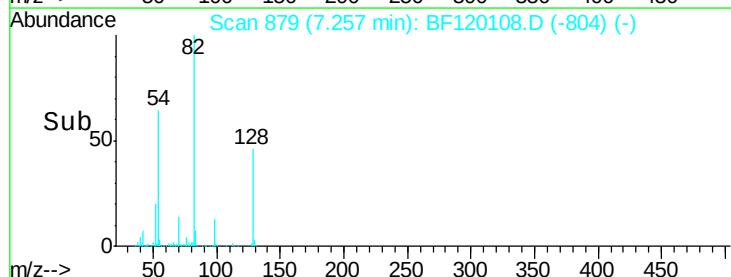
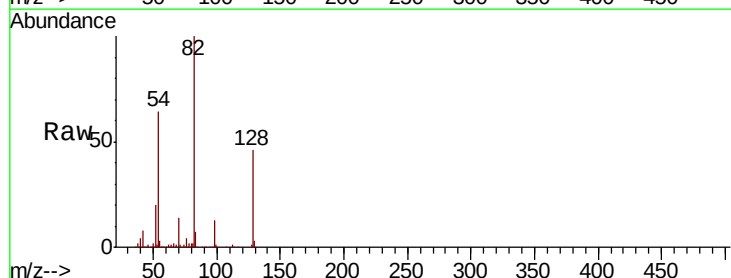
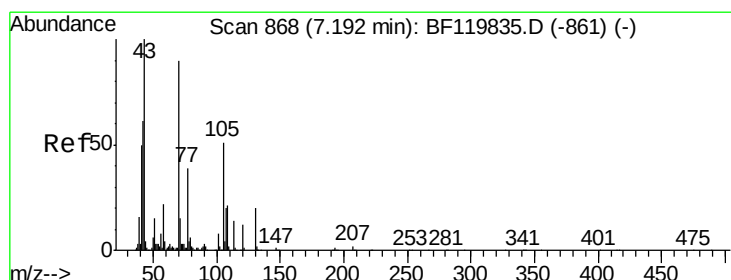
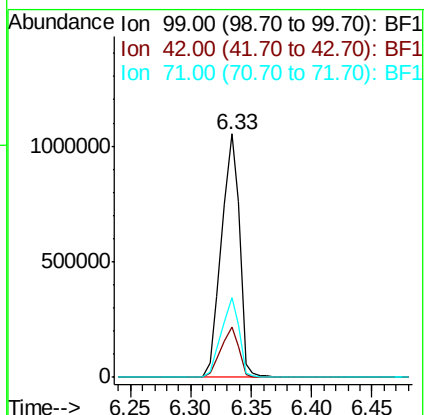
Tot Ion: 99 Resp: 1088378

Ion Ratio Lower Upper

99 100

42 20.7 16.9 25.3

71 33.0 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 15.383 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF120108.D

Acq: 21 Apr 2020 17:58

Tgt Ion: 70 Resp: 92955

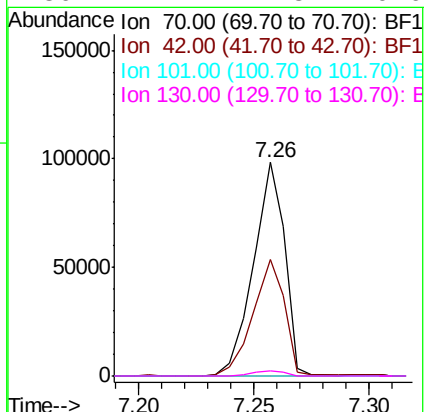
Ion Ratio Lower Upper

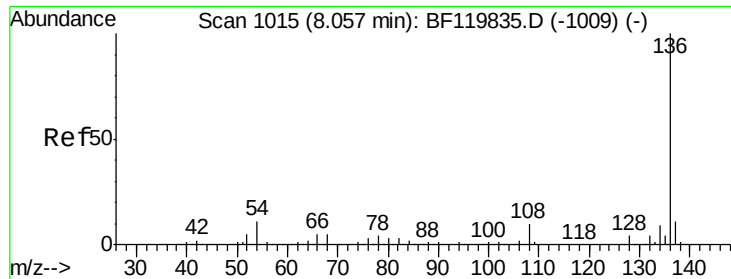
70 100

42 54.5 54.2 81.4

101 0.0 7.4 11.2#

130 2.4 17.8 26.6#

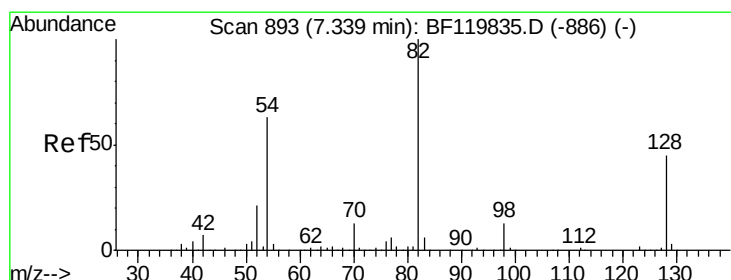
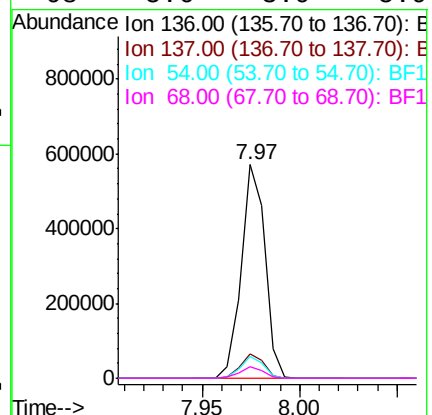
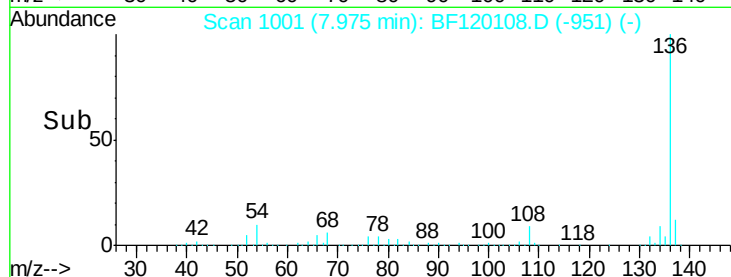
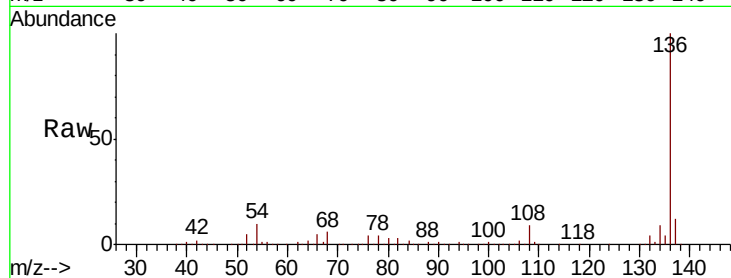




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.01 min  
Lab File: BF120108.D  
Acq: 21 Apr 2020 17:58

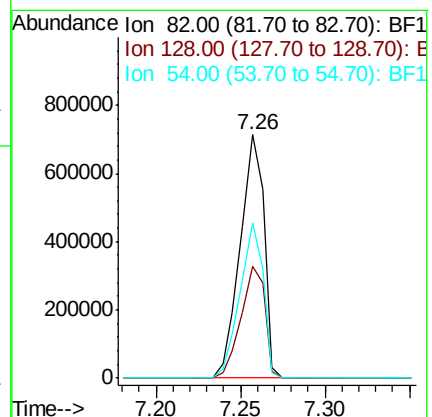
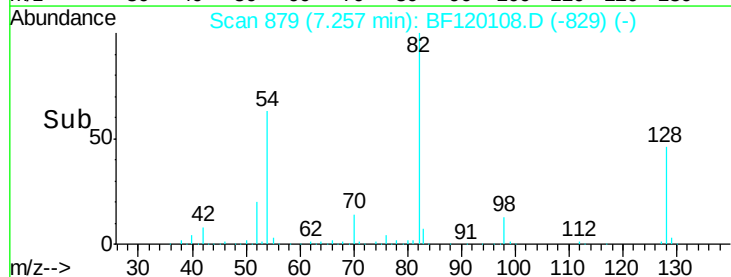
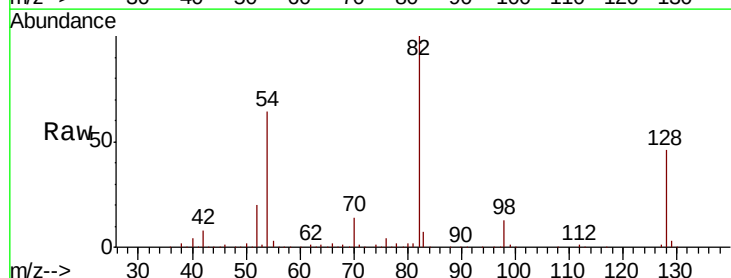
Instrument :  
BNA\_F  
ClientSampleId :  
SB-1B

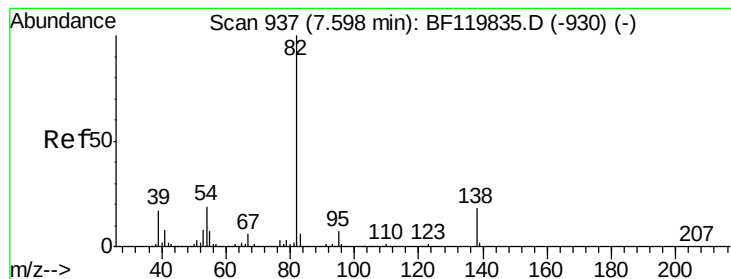
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 480568      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.5  | 8.7 13.1    |
| 54          | 10.3  | 8.5 12.7    |
| 68          | 5.6   | 3.9 5.9     |



#23  
Nitrobenzene-d5  
Concen: 75.650 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.01 min  
Lab File: BF120108.D  
Acq: 21 Apr 2020 17:58

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 702737      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 45.7  | 36.2 54.4   |
| 54          | 63.5  | 50.4 75.6   |





#25

Isophorone

Concen: 39.243 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF120108.D

Acq: 21 Apr 2020 17:58

Instrument :

BNA\_F

ClientSampled :

SB-1B

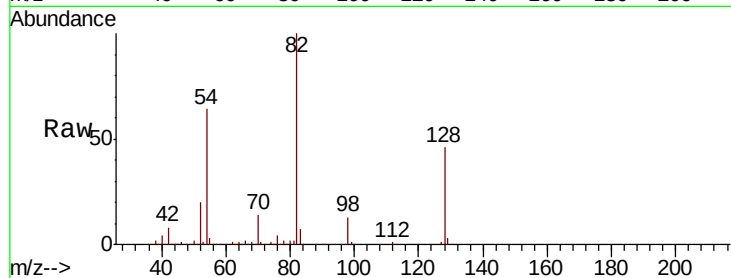
Tot Ion: 82 Resp: 702728

Ion Ratio Lower Upper

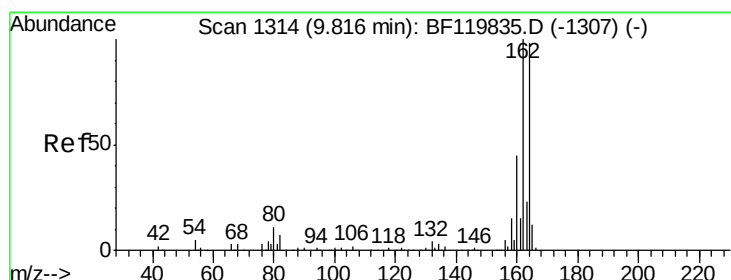
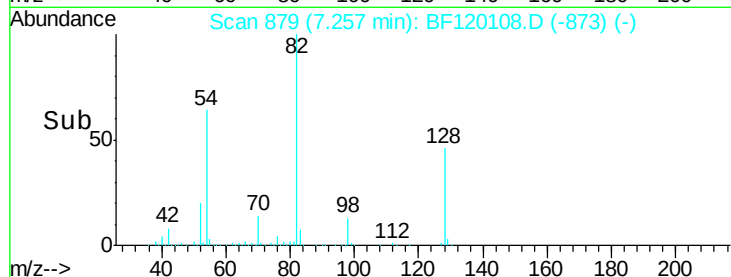
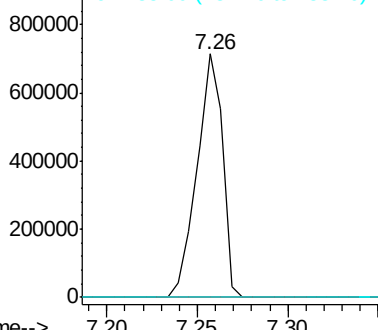
82 100

95 0.0 5.8 8.6#

138 0.0 14.5 21.7#



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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF120108.D

Acq: 21 Apr 2020 17:58

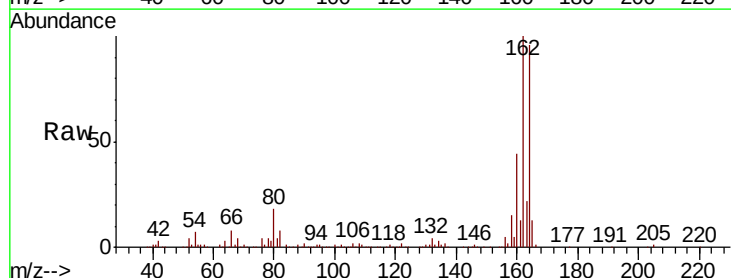
Tgt Ion:164 Resp: 233534

Ion Ratio Lower Upper

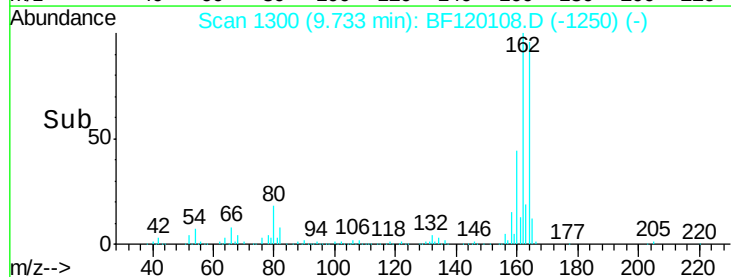
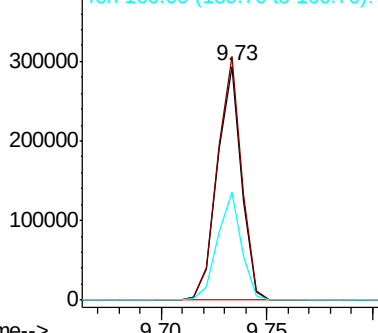
164 100

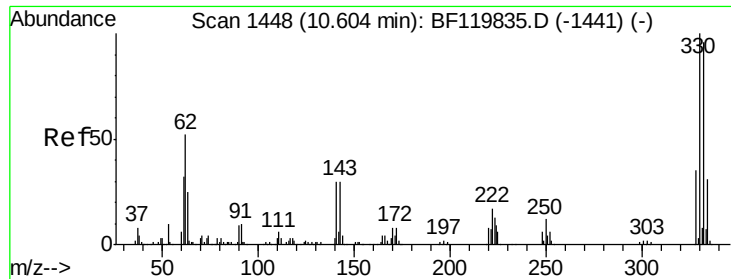
162 104.3 81.9 122.9

160 46.0 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

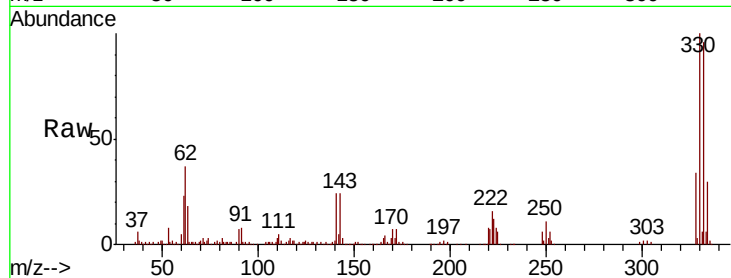




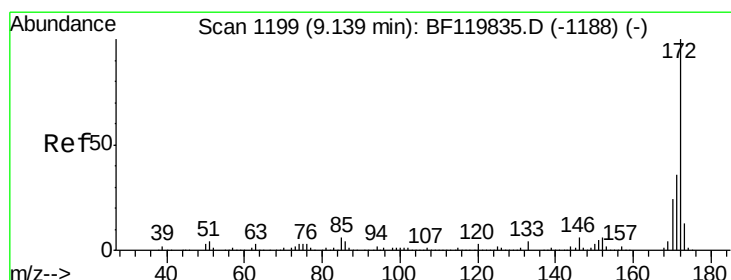
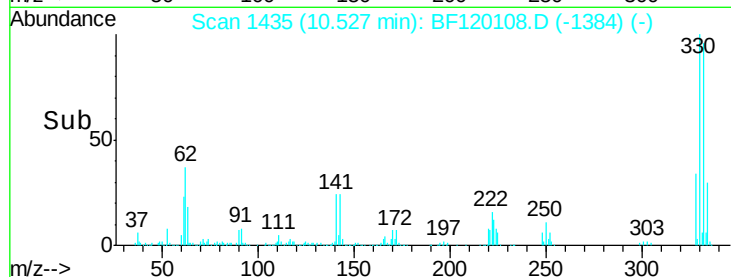
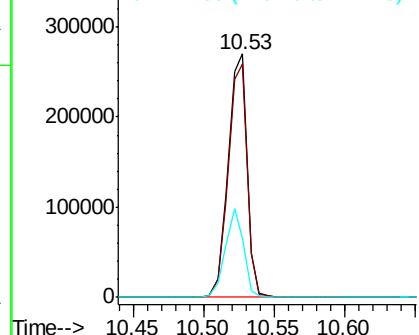
#42  
 2,4,6-Tribromophenol  
 Concen: 87.971 ng  
 RT: 10.53 min Scan# 1435  
 Delta R.T. -0.00 min  
 Lab File: BF120108.D  
 Acq: 21 Apr 2020 17:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1B

Tot Ion:330 Resp: 251532  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 76.8 115.2  
 141 35.1 25.1 37.7

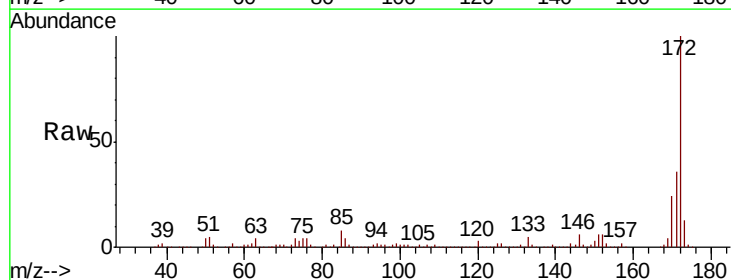


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

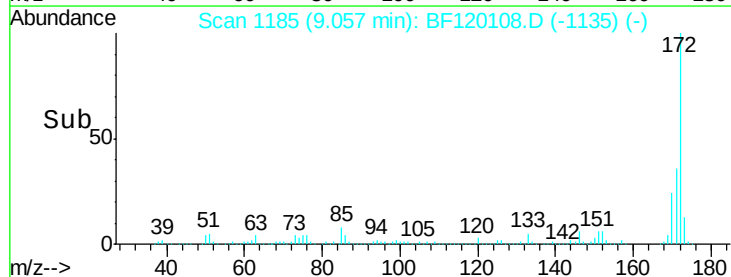
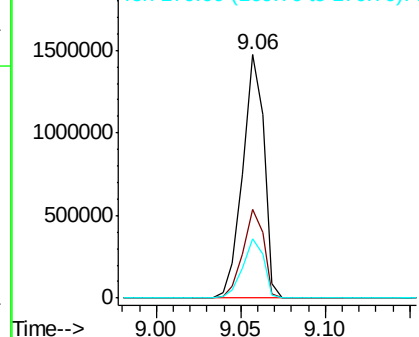


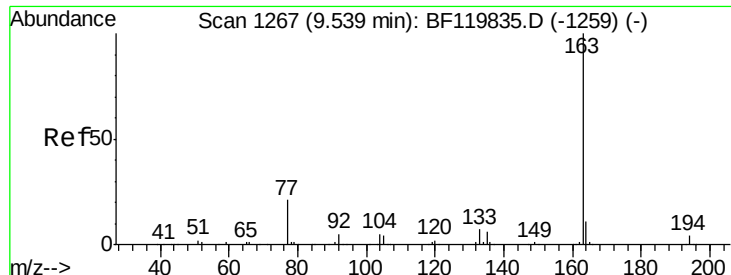
#45  
 2-Fluorobiphenyl  
 Concen: 78.775 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.01 min  
 Lab File: BF120108.D  
 Acq: 21 Apr 2020 17:58

Tgt Ion:172 Resp: 1295729  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 28.9 43.3  
 170 24.2 19.4 29.2



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

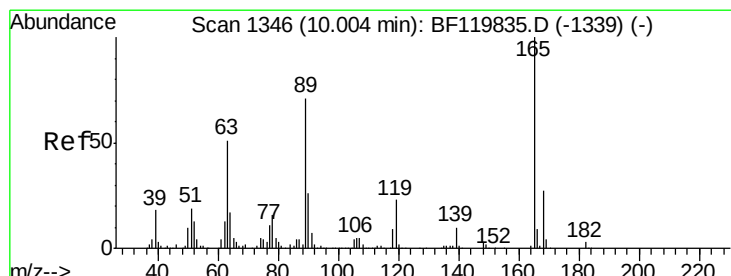
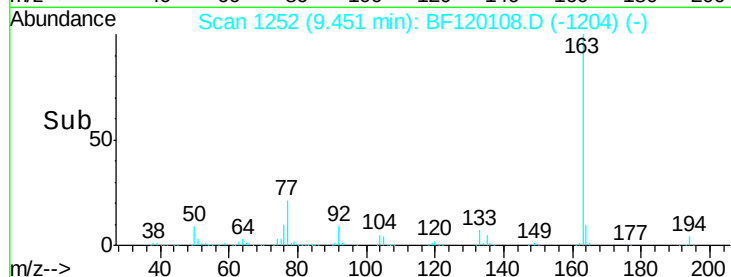
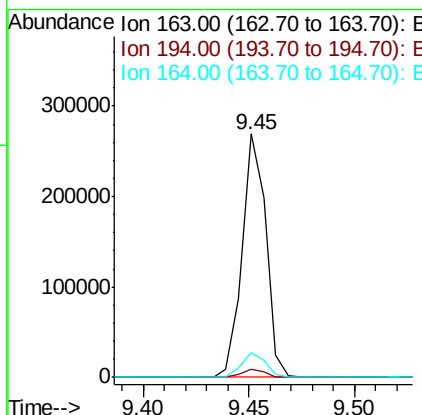
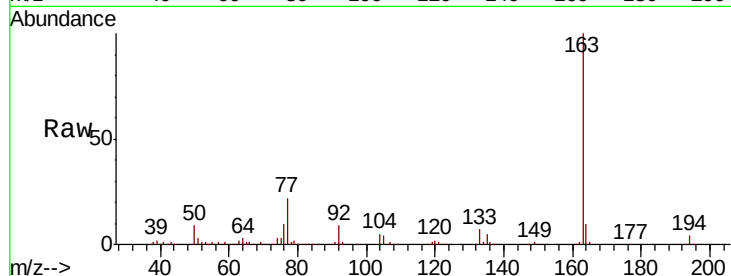




#50  
Dimethylphthalate  
Concen: 11.550 ng  
RT: 9.45 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: BF120108.D  
Acq: 21 Apr 2020 17:58

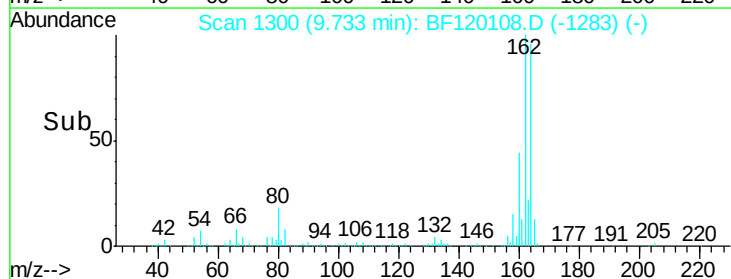
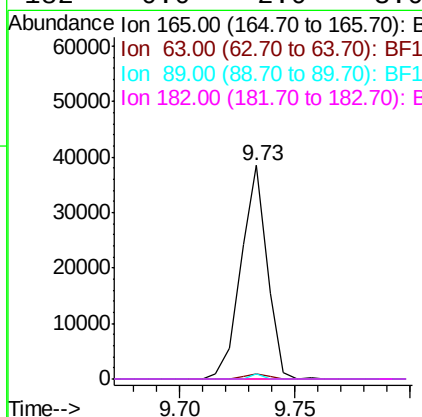
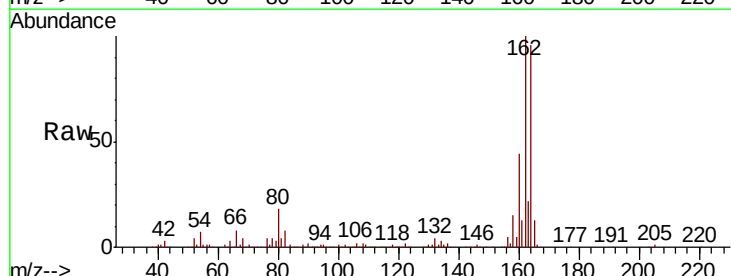
Instrument :  
BNA\_F  
ClientSampleId :  
SB-1B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 208627 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.5   | 3.0   | 4.4    |
| 164       | 10.4  | 8.4   | 12.6   |

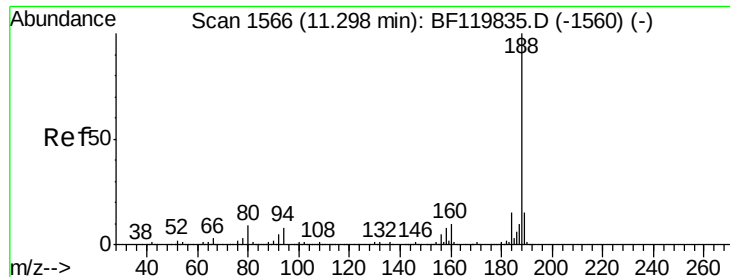


#57  
2,4-Dinitrotoluene  
Concen: 5.835 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. -0.20 min  
Lab File: BF120108.D  
Acq: 21 Apr 2020 17:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 30412 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 2.2   | 40.8  | 61.2# |
| 89        | 2.3   | 56.9  | 85.3# |
| 182       | 0.0   | 2.0   | 3.0#  |







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BF120108.D

Acq: 21 Apr 2020 17:58

Instrument :

BNA\_F

ClientSampleId :

SB-1B

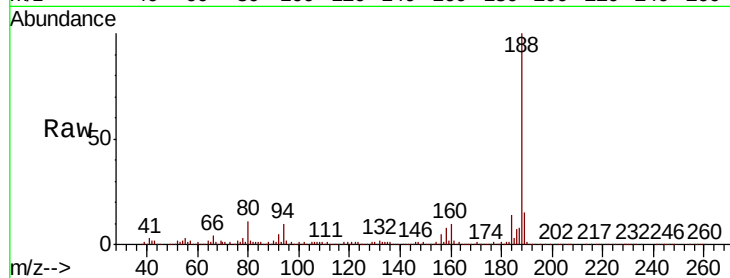
Tot Ion:188 Resp: 394142

Ion Ratio Lower Upper

188 100

94 9.6 6.7 10.1

80 10.5 7.4 11.2

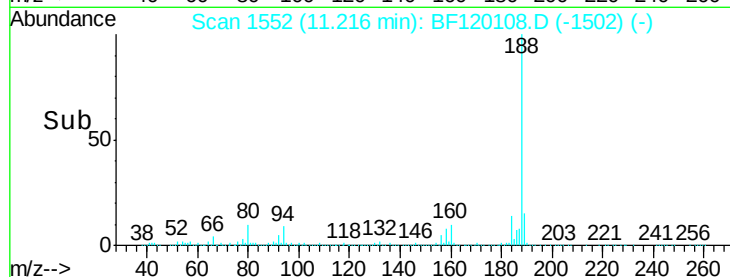


Abundance Ion 188.00 (187.70 to 188.70): E

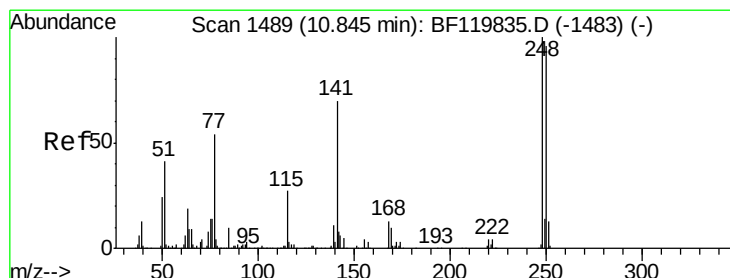
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.326 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.25 min

Lab File: BF120108.D

Acq: 21 Apr 2020 17:58

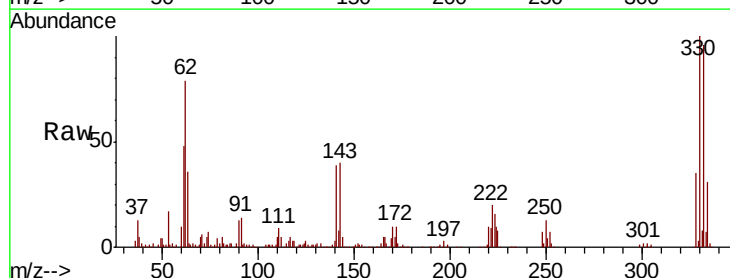
Tgt Ion:248 Resp: 16304

Ion Ratio Lower Upper

248 100

250 195.9 76.6 114.8#

141 579.7 55.9 83.9#

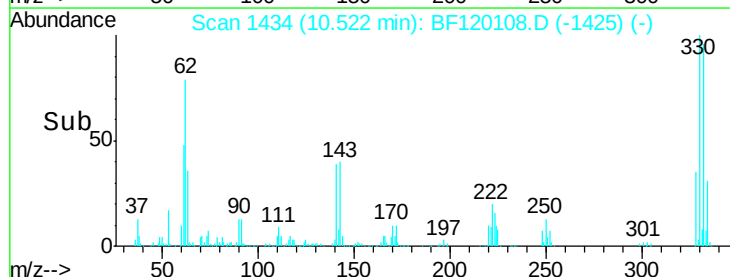


Abundance Ion 248.00 (247.70 to 248.70): E

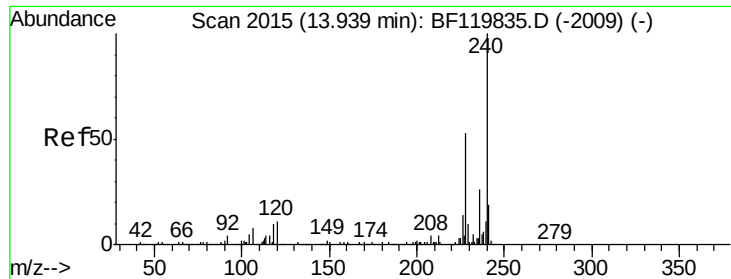
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF120108.D

Acq: 21 Apr 2020 17:58

Instrument :

BNA\_F

ClientSampleId :

SB-1B

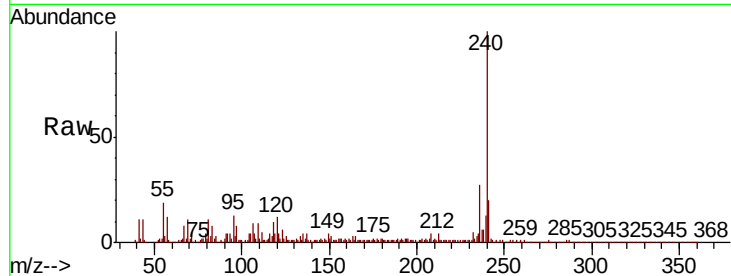
Tot Ion:240 Resp: 238160

Ion Ratio Lower Upper

240 100

120 11.6 9.0 13.6

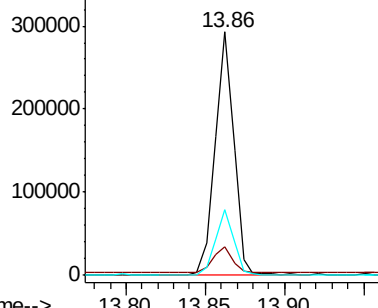
236 27.0 20.7 31.1



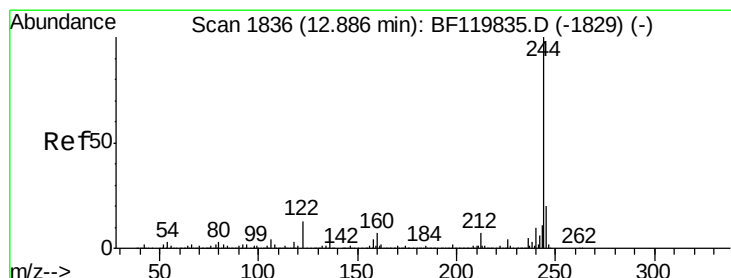
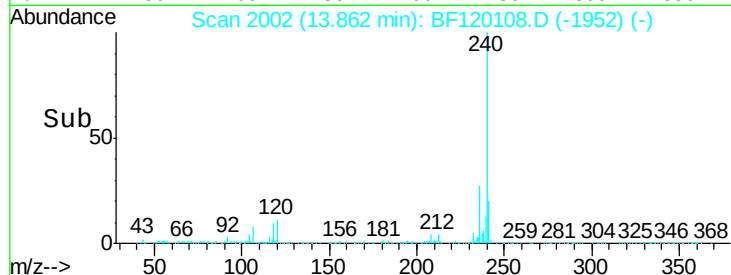
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.80 13.85 13.90



#79

Terphenyl-d14

Concen: 71.043 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF120108.D

Acq: 21 Apr 2020 17:58

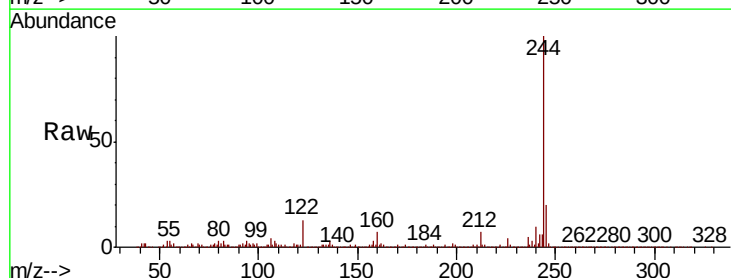
Tgt Ion:244 Resp: 1005527

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

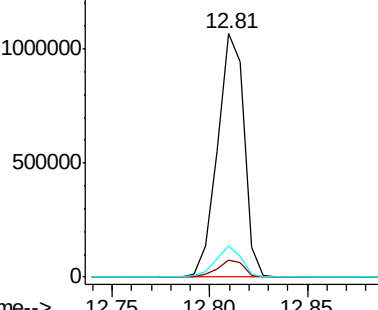
122 12.9 10.3 15.5



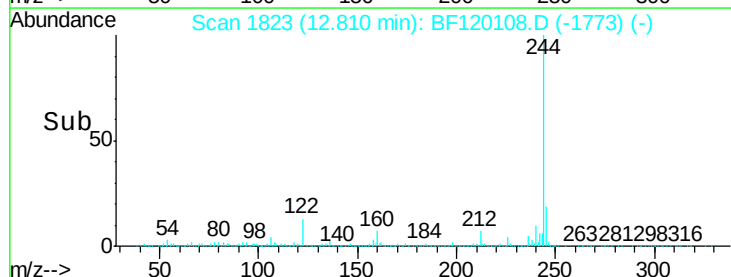
Abundance Ion 244.00 (243.70 to 244.70): E

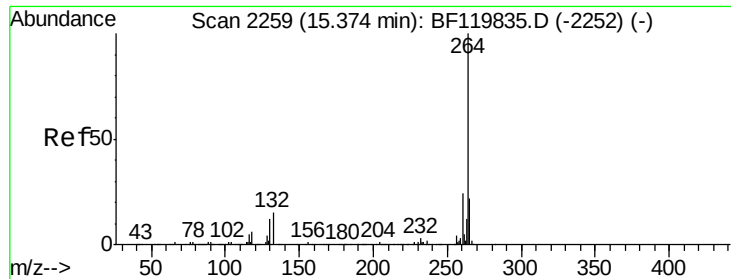
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.75 12.80 12.85





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.29 min Scan# 2244  
 Delta R.T. 0.01 min  
 Lab File: BF120108.D  
 Acq: 21 Apr 2020 17:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 19.3  | 28.9  |
| 265     | 21.2  | 17.6  | 26.4  |

