

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101420\  
 Data File : BF121962.D  
 Acq On : 14 Oct 2020 17:31  
 Operator : JU/CG  
 Sample : L4380-09  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-CONCRETE

Quant Time: Oct 14 18:55:11 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 12 16:22:33 2020  
 Response via : Initial Calibration

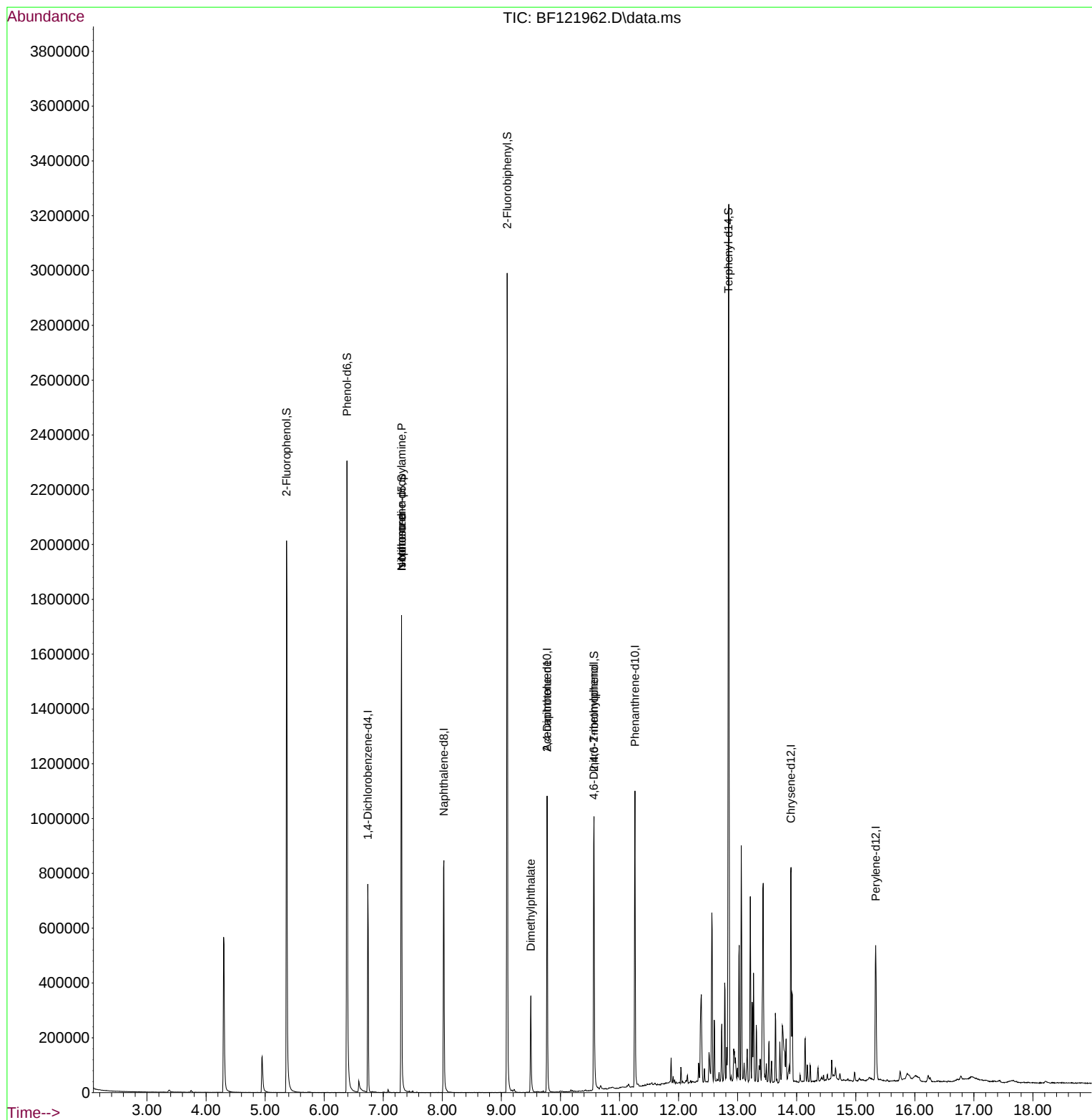
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.740  | 152  | 109381   | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.028  | 136  | 436451   | 20.00     | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.775  | 164  | 220285   | 20.00     | ng     | -0.01    |
| 64) Phenanthrene-d10          | 11.263 | 188  | 399761   | 20.00     | ng     | -0.01    |
| 76) Chrysene-d12              | 13.904 | 240  | 285978   | 20.00     | ng     | -0.01    |
| 86) Perylene-d12              | 15.339 | 264  | 224832   | 20.00     | ng     | -0.01    |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.363  | 112  | 605068   | 81.64     | ng     | 0.00     |
| 7) Phenol-d6                  | 6.387  | 99   | 837822   | 87.82     | ng     | -0.01    |
| 23) Nitrobenzene-d5           | 7.310  | 82   | 592463   | 69.62     | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.569 | 330  | 144610   | 53.07     | ng     | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1024568  | 68.43     | ng     | -0.01    |
| 79) Terphenyl-d14             | 12.845 | 244  | 1015475  | 67.67     | ng     | -0.02    |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.387  | 77   | 1153     | Below Cal | #      | 3        |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 78890    | 14.52     | ng     | # 78     |
| 25) Isophorone                | 7.310  | 82   | 585612   | 36.39     | ng     | # 67     |
| 50) Dimethylphthalate         | 9.498  | 163  | 167602   | 10.40     | ng     | 99       |
| 57) 2,4-Dinitrotoluene        | 9.775  | 165  | 27602    | 6.35      | ng     | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.563 | 198  | 238      | 4.51      | ng     | # 1      |
| -----                         |        |      |          |           |        |          |

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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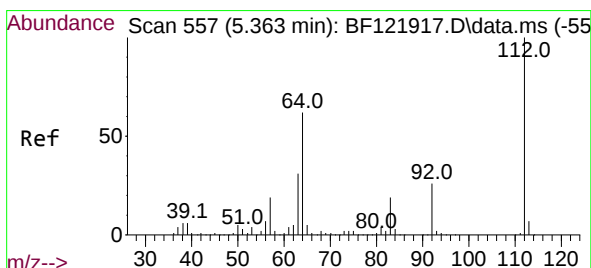
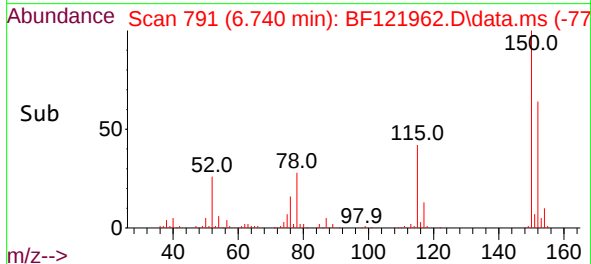
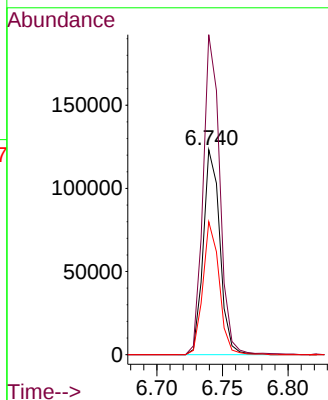
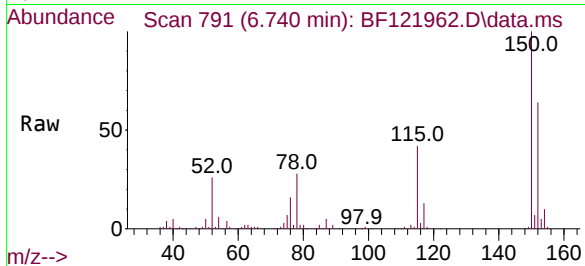




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.740 min Scan# 791  
Delta R.T. -0.005 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

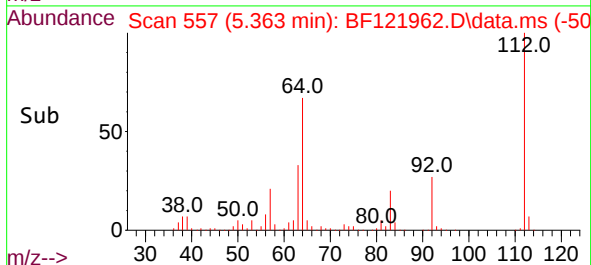
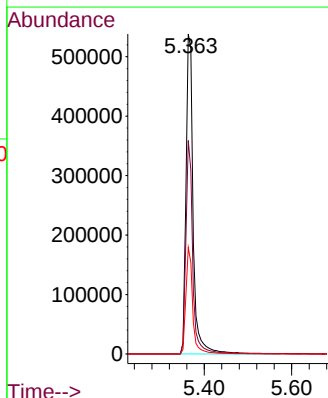
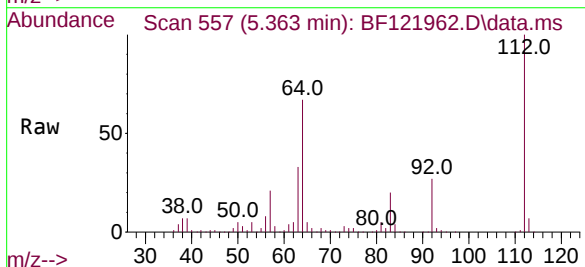
Instrument :  
BNA\_F  
ClientSampleId :  
B-CONCRETE

Tgt Ion:152 Resp: 109381  
Ion Ratio Lower Upper  
152 100  
150 156.2 125.3 187.9  
115 64.9 51.9 77.9



#5  
2-Fluorophenol  
Concen: 81.64 ng  
RT: 5.363 min Scan# 557  
Delta R.T. 0.000 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

Tgt Ion:112 Resp: 605068  
Ion Ratio Lower Upper  
112 100  
64 66.7 50.4 75.6  
63 33.2 25.8 38.6

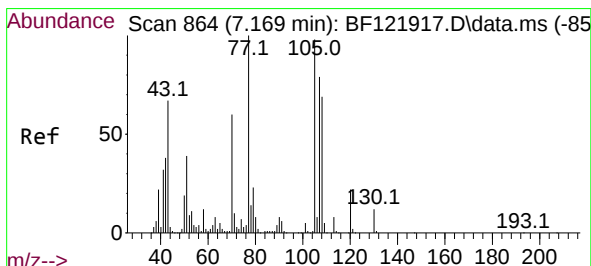
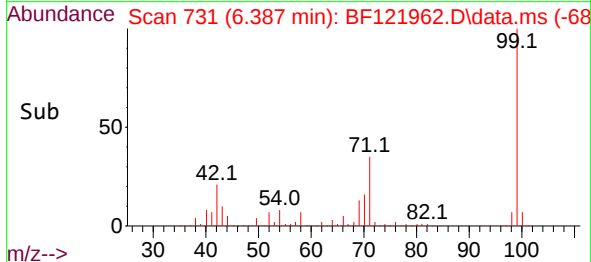
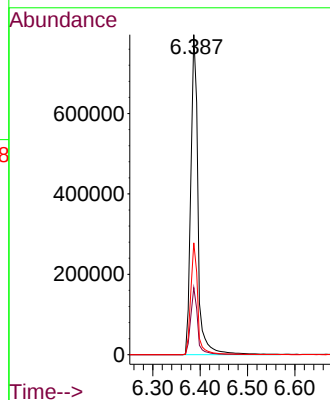
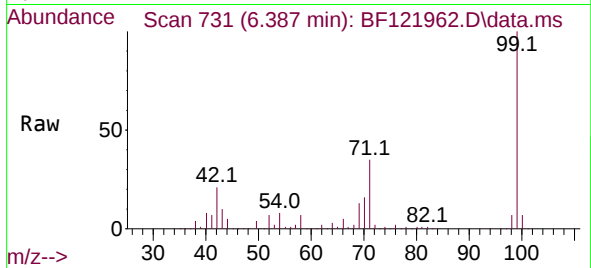




#7  
Phenol-d6  
Concen: 87.82 ng  
RT: 6.387 min Scan# 731  
Delta R.T. -0.012 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

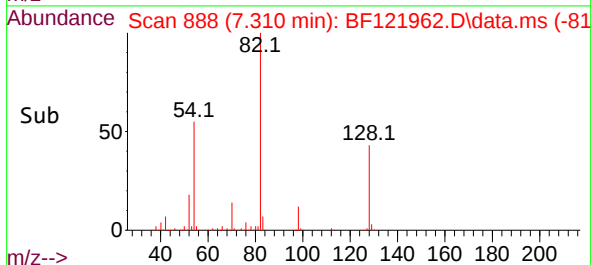
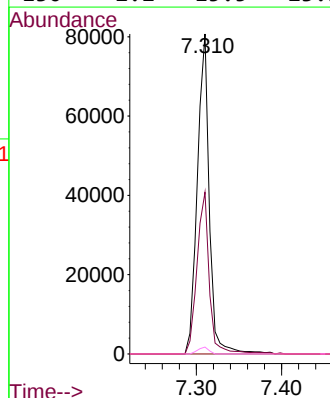
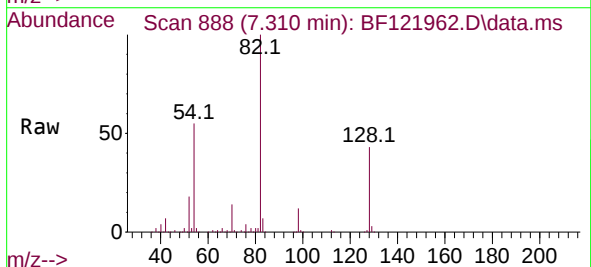
Instrument :  
BNA\_F  
ClientSampleId :  
B-CONCRETE

Tgt Ion: 99 Resp: 837822  
Ion Ratio Lower Upper  
99 100  
42 20.9 15.9 23.9  
71 35.0 27.1 40.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.52 ng  
RT: 7.310 min Scan# 888  
Delta R.T. 0.141 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

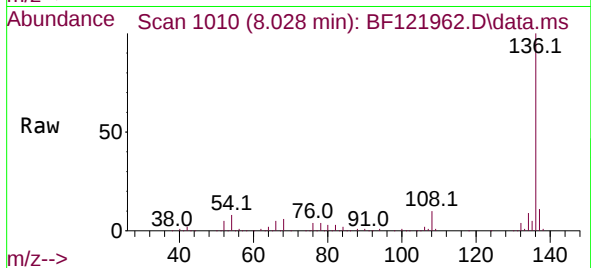
Tgt Ion: 70 Resp: 78890  
Ion Ratio Lower Upper  
70 100  
42 50.5 50.2 75.4  
101 0.0 7.5 11.3#  
130 2.2 15.5 23.3#



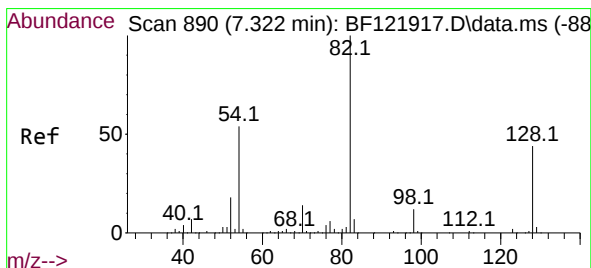
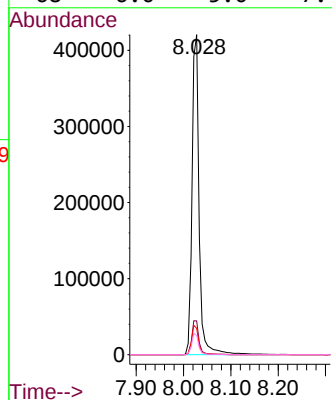
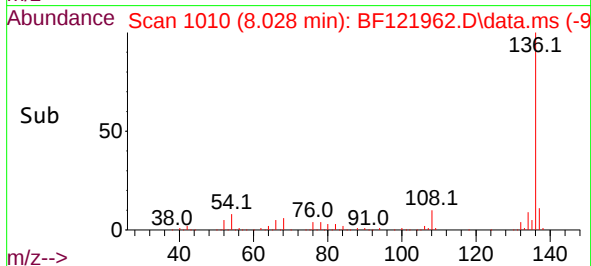


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.028 min Scan# 1010  
Delta R.T. -0.006 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

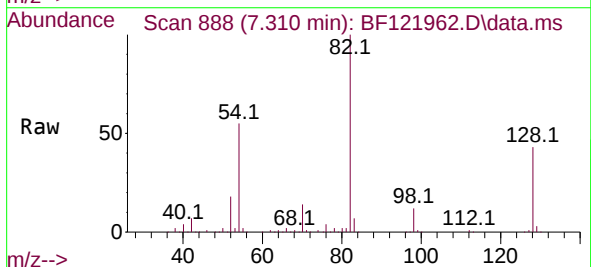
Instrument :  
BNA\_F  
ClientSampleId :  
B-CONCRETE



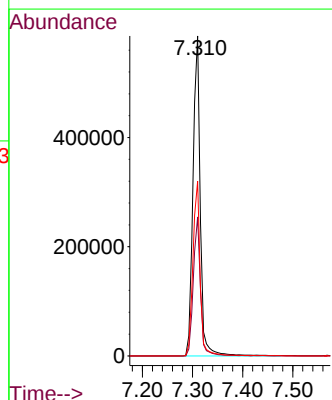
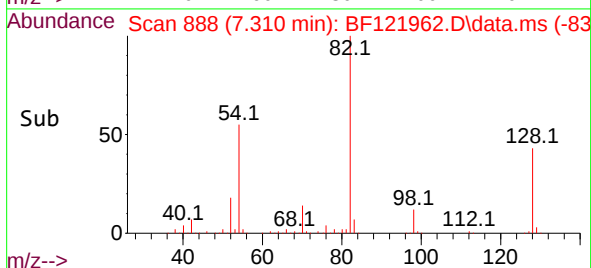
Tgt Ion:136 Resp: 436451  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.6 13.0  
54 8.2 7.1 10.7  
68 6.0 5.0 7.4



#23  
Nitrobenzene-d5  
Concen: 69.62 ng  
RT: 7.310 min Scan# 888  
Delta R.T. -0.012 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31



Tgt Ion: 82 Resp: 592463  
Ion Ratio Lower Upper  
82 100  
128 43.5 35.0 52.4  
54 54.6 43.9 65.9

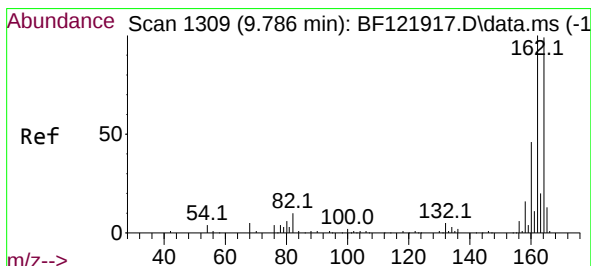
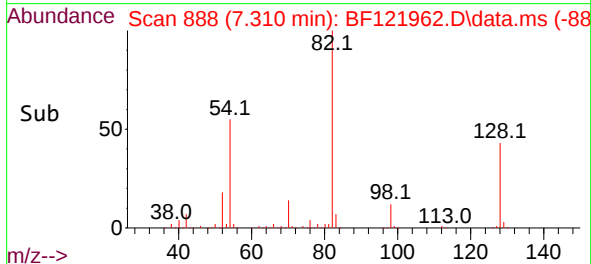
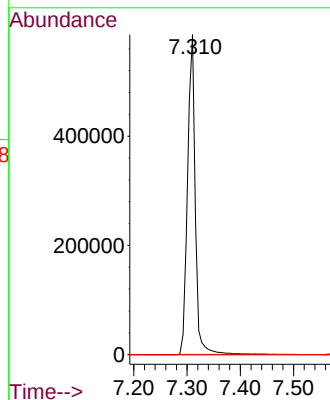
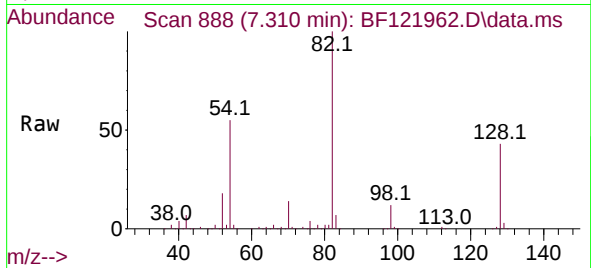




#25  
Isophorone  
Concen: 36.39 ng  
RT: 7.310 min Scan# 888  
Delta R.T. -0.271 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

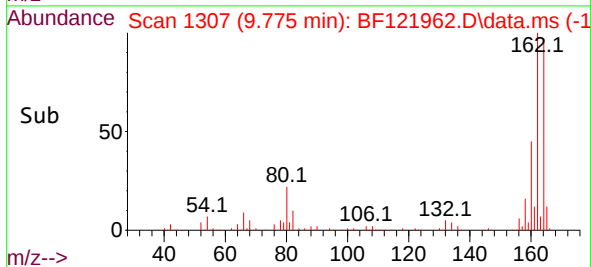
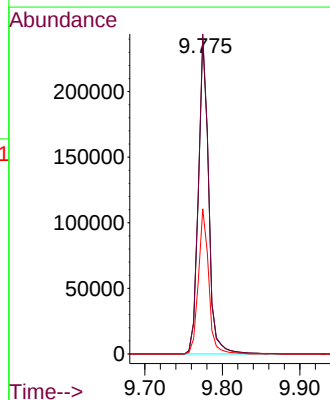
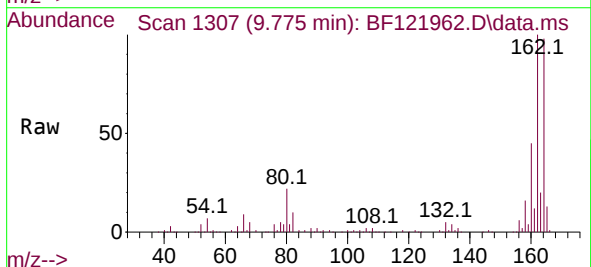
Instrument :  
BNA\_F  
ClientSampleId :  
B-CONCRETE

Tgt Ion: 82 Resp: 585612  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.0#  
138 0.0 13.4 20.0#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.011 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

Tgt Ion:164 Resp: 220285  
Ion Ratio Lower Upper  
164 100  
162 101.7 83.2 124.8  
160 46.1 37.5 56.3

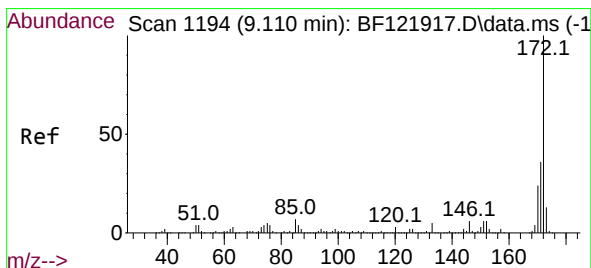
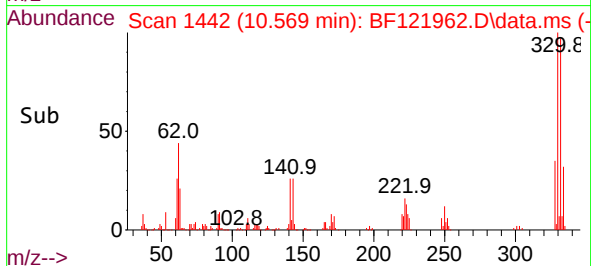
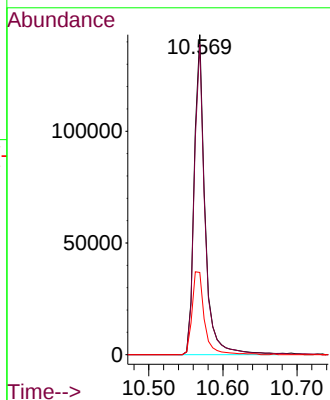
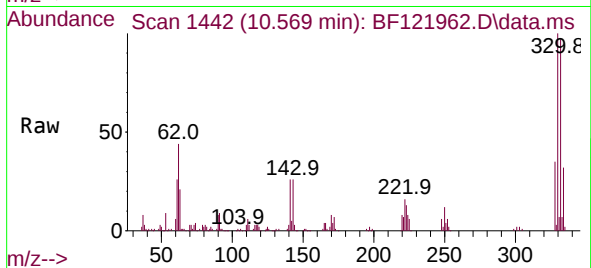




#42  
2,4,6-Tribromophenol  
Concen: 53.07 ng  
RT: 10.569 min Scan# 1442  
Delta R.T. -0.012 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

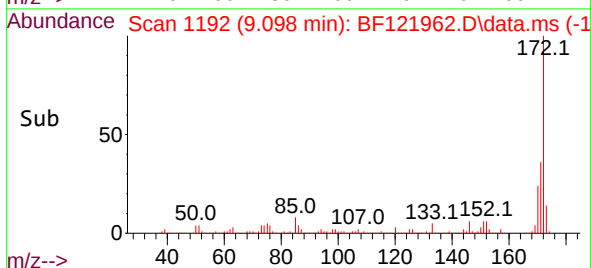
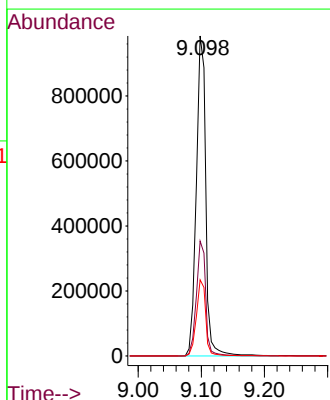
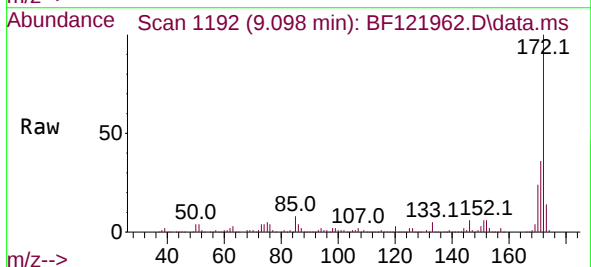
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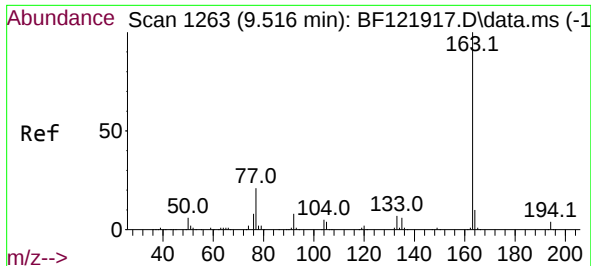
Tgt Ion:330 Resp: 144610  
Ion Ratio Lower Upper  
330 100  
332 97.0 77.3 115.9  
141 29.8 22.3 33.5



#45  
2-Fluorobiphenyl  
Concen: 68.43 ng  
RT: 9.098 min Scan# 1192  
Delta R.T. -0.012 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

Tgt Ion:172 Resp: 1024568  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.1 43.7  
170 23.8 19.8 29.6

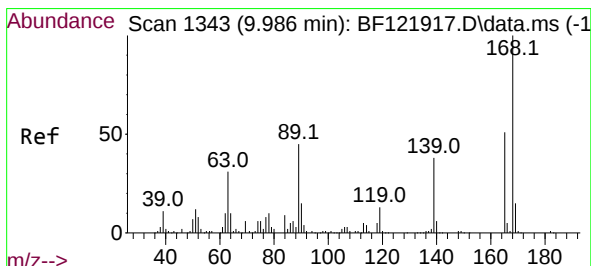
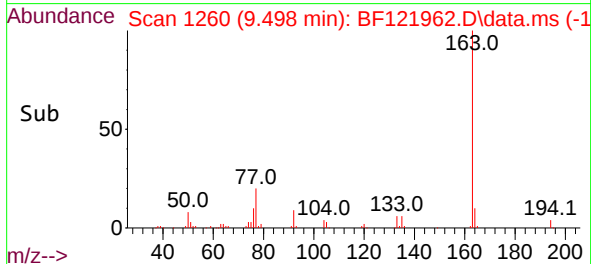
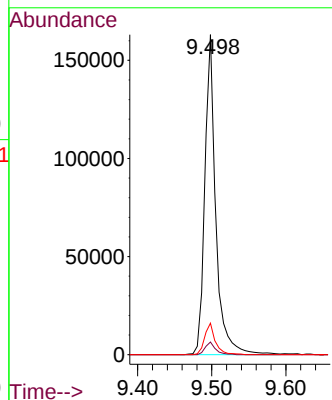
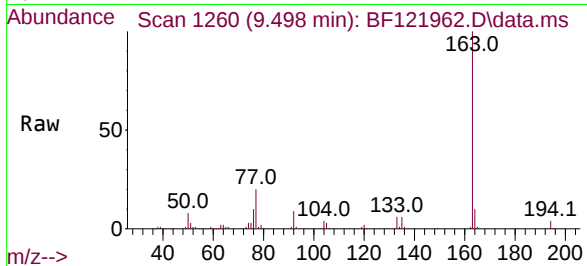




#50  
Dimethylphthalate  
Concen: 10.40 ng  
RT: 9.498 min Scan# 1260  
Delta R.T. -0.018 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

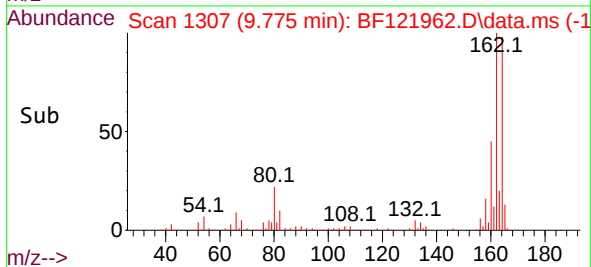
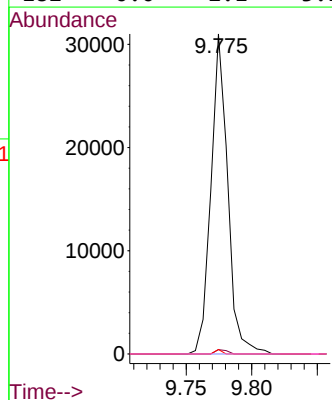
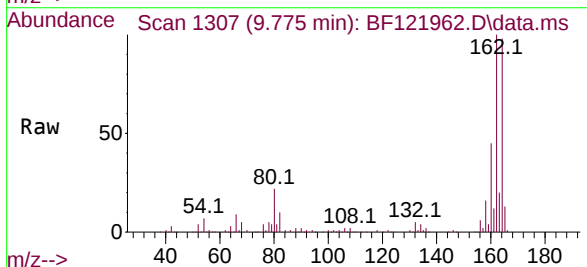
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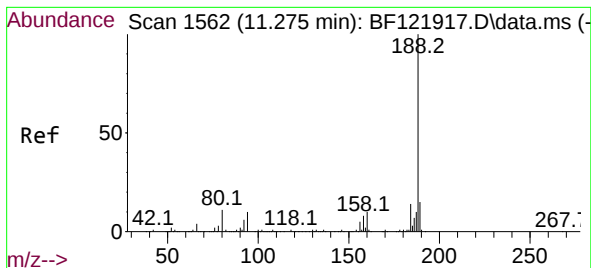
Tgt Ion:163 Resp: 167602  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 9.9 8.2 12.4



#57  
2,4-Dinitrotoluene  
Concen: 6.35 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.212 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

Tgt Ion:165 Resp: 27602  
Ion Ratio Lower Upper  
165 100  
63 1.4 41.3 61.9#  
89 1.4 61.8 92.8#  
182 0.0 2.1 3.1#

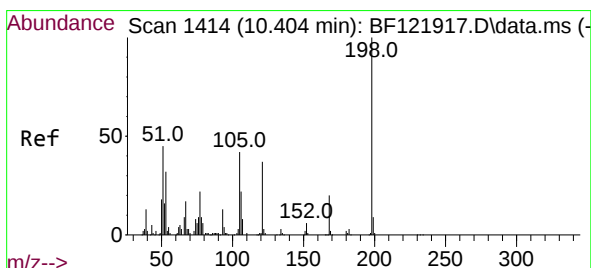
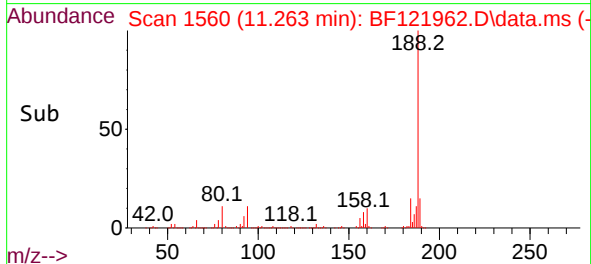
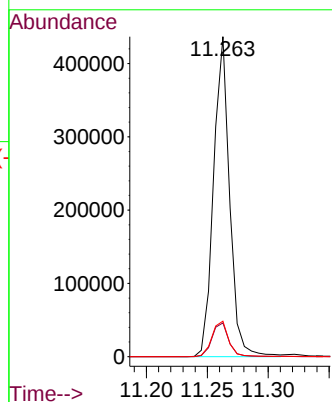
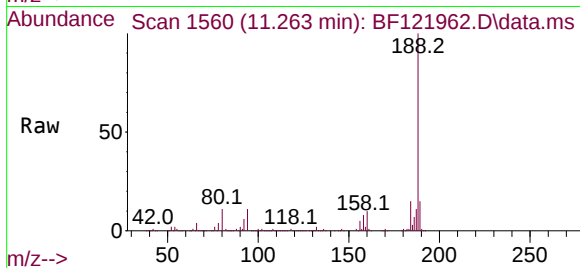




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.263 min Scan# 1560  
Delta R.T. -0.012 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

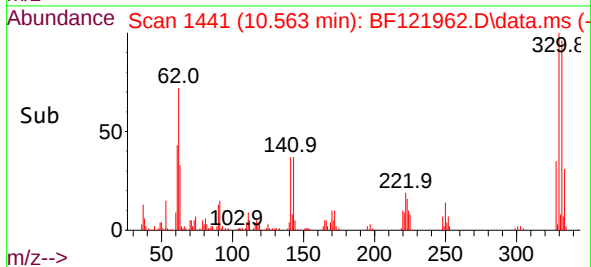
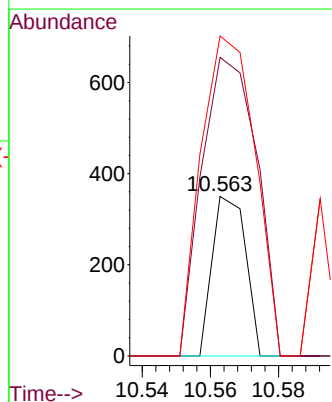
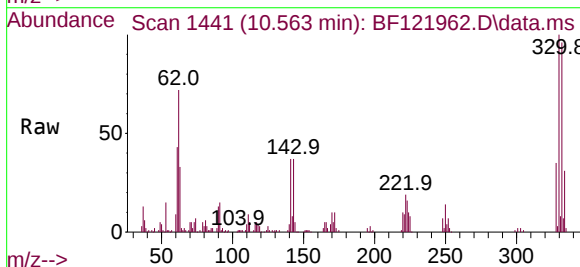
Instrument :  
BNA\_F  
ClientSampleId :  
B-CONCRETE

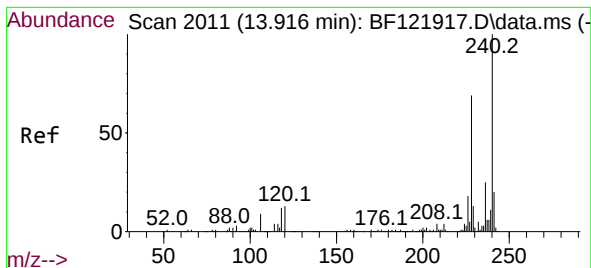
Tgt Ion:188 Resp: 399761  
Ion Ratio Lower Upper  
188 100  
94 10.6 8.3 12.5  
80 11.1 9.1 13.7



#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.51 ng  
RT: 10.563 min Scan# 1441  
Delta R.T. 0.159 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

Tgt Ion:198 Resp: 238  
Ion Ratio Lower Upper  
198 100  
51 187.1 29.6 69.6#  
105 200.6 24.4 64.4#

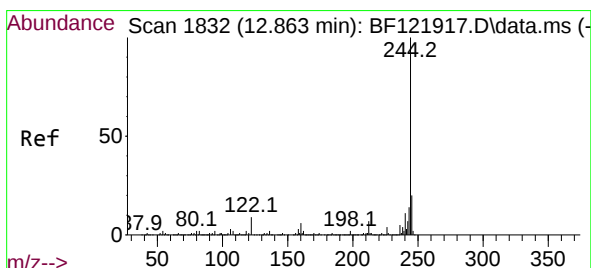
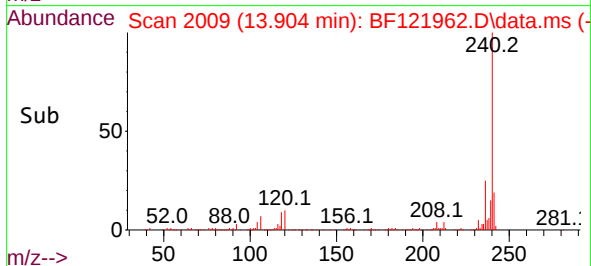
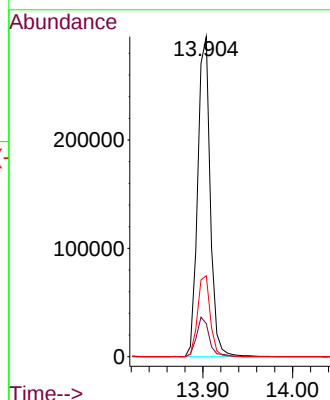
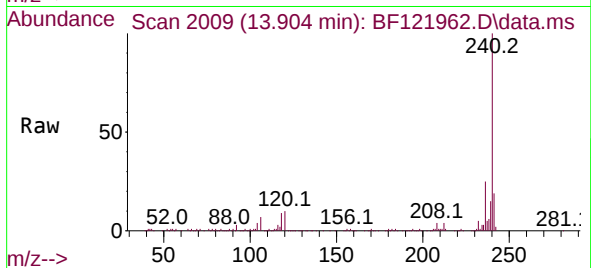




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.904 min Scan# 2009  
Delta R.T. -0.012 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

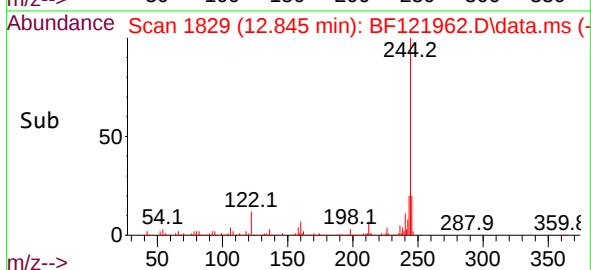
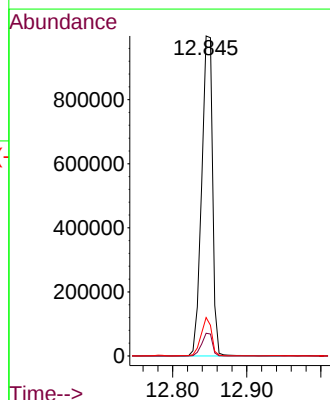
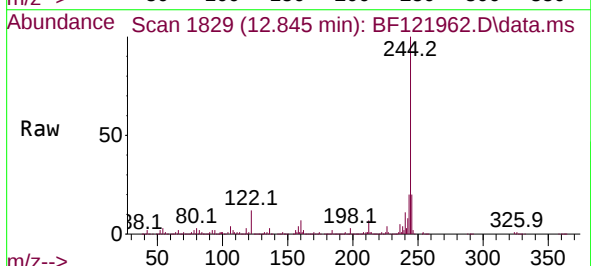
Instrument :  
BNA\_F  
ClientSampleId :  
B-CONCRETE

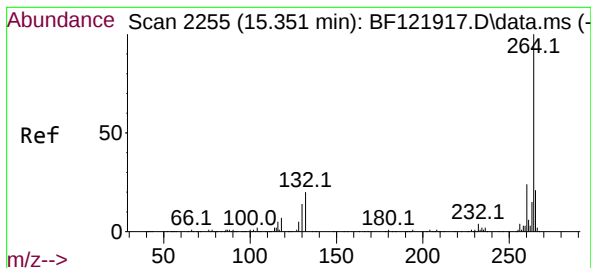
Tgt Ion:240 Resp: 285978  
Ion Ratio Lower Upper  
240 100  
120 10.3 9.2 13.8  
236 25.3 20.9 31.3



#79  
Terphenyl-d14  
Concen: 67.67 ng  
RT: 12.845 min Scan# 1829  
Delta R.T. -0.018 min  
Lab File: BF121962.D  
Acq: 14 Oct 2020 17:31

Tgt Ion:244 Resp: 1015475  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.4 8.2  
122 12.0 8.1 12.1





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.339 min Scan# 2253  
 Delta R.T. -0.012 min  
 Lab File: BF121962.D  
 Acq: 14 Oct 2020 17:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-CONCRETE

Tgt Ion:264 Resp: 224832  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 18.7 28.1  
 265 21.0 17.3 25.9

