

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051623\  
 Data File : BF133401.D  
 Acq On : 16 May 2023 14:32  
 Operator : CG\JU  
 Sample : 02798-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WATERWITCH-AVE-SAMPLE

Quant Time: May 16 15:07:07 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 16 14:39:29 2023  
 Response via : Initial Calibration

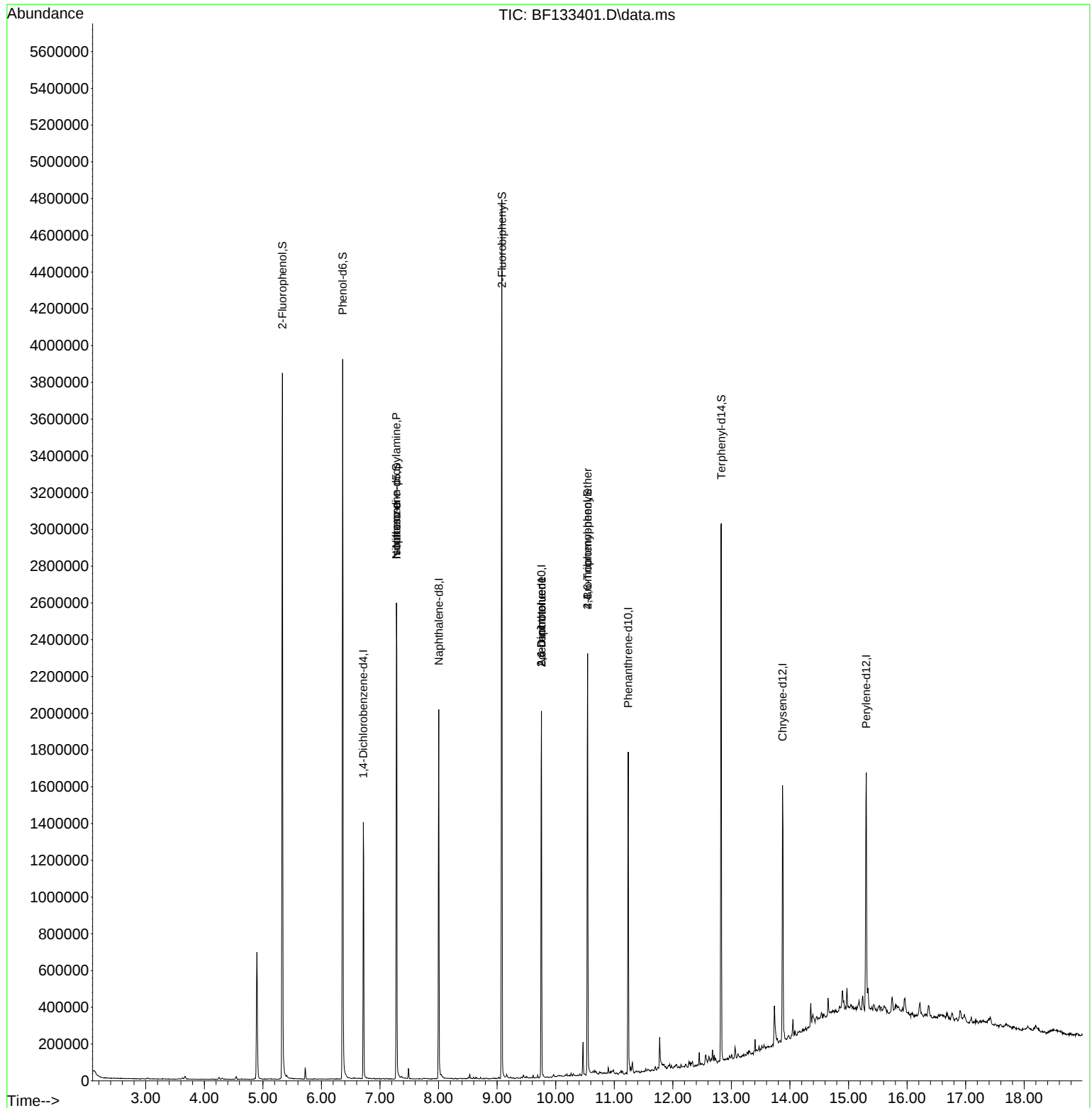
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.716  | 152  | 208891   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.004  | 136  | 819748   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.757  | 164  | 384933   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.239 | 188  | 608558   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 13.874 | 240  | 451390   | 20.000    | ng     | -0.01    |
| 86) Perylene-d12              | 15.304 | 264  | 552512   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.334  | 112  | 1127520  | 81.537    | ng     | 0.00     |
| 7) Phenol-d6                  | 6.363  | 99   | 1356719  | 79.046    | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.281  | 82   | 817414   | 53.823    | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.545 | 330  | 267276   | 69.042    | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.080  | 172  | 1362780  | 59.229    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.827 | 244  | 1041202  | 39.782    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.269  | 77   | 690      | Below Cal | #      | 83       |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 107731   | 10.082    | ng     | # 77     |
| 25) Isophorone                | 7.281  | 82   | 817408   | 28.348    | ng     | # 63     |
| 51) 2,6-Dinitrotoluene        | 9.757  | 165  | 50619    | 8.379     | ng     | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.757  | 165  | 50619    | 6.570     | ng     | # 24     |
| 67) 4-Bromophenyl-phenylether | 10.545 | 248  | 17071    | 2.586     | ng     | # 1      |
| -----                         |        |      |          |           |        |          |

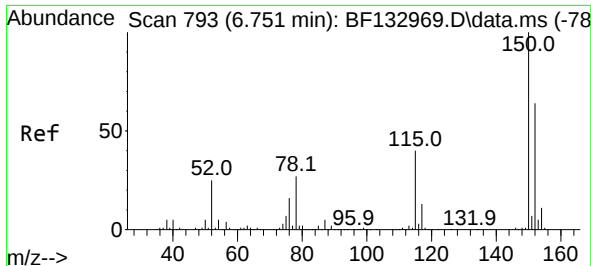
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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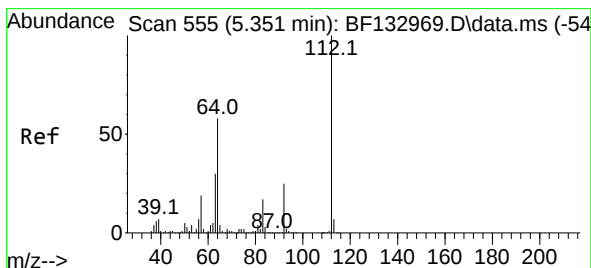
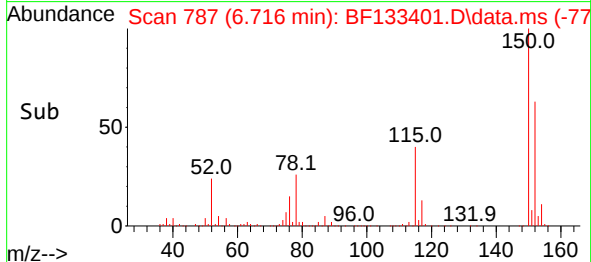
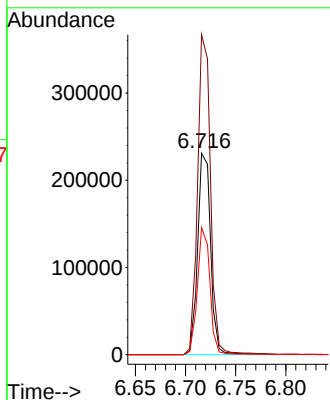
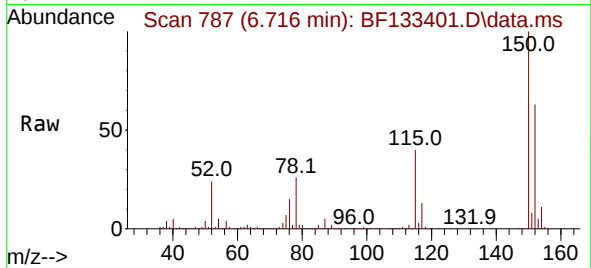




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.716 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

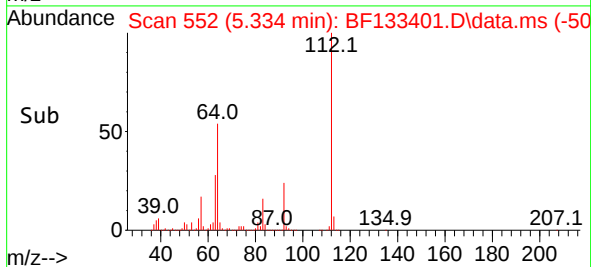
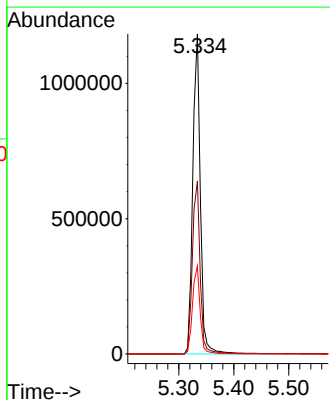
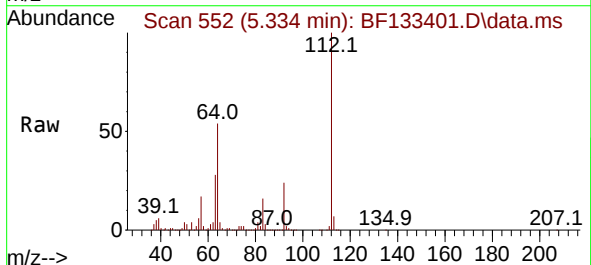
Instrument :  
BNA\_F  
ClientSampleId :  
WATERWITCH-AVE-SAMPLE

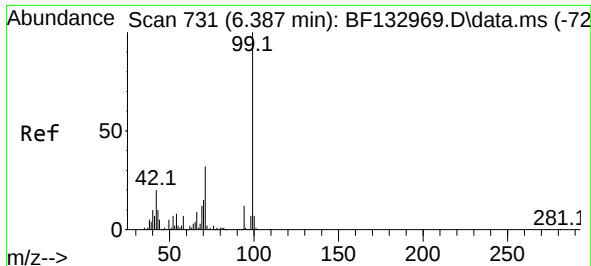
Tgt Ion:152 Resp: 208891  
Ion Ratio Lower Upper  
152 100  
150 158.9 124.8 187.2  
115 63.1 49.9 74.9



#5  
2-Fluorophenol  
Concen: 81.537 ng  
RT: 5.334 min Scan# 552  
Delta R.T. -0.000 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

Tgt Ion:112 Resp: 1127520  
Ion Ratio Lower Upper  
112 100  
64 54.1 46.8 70.2  
63 27.5 23.8 35.8

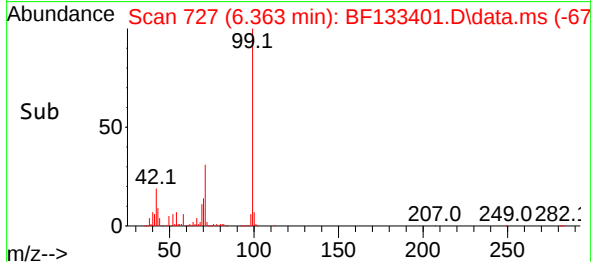
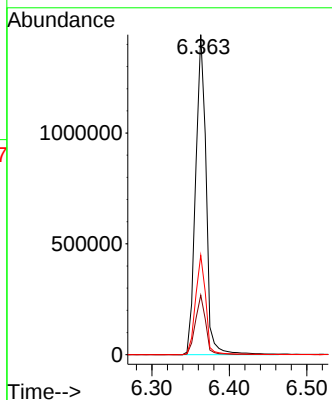
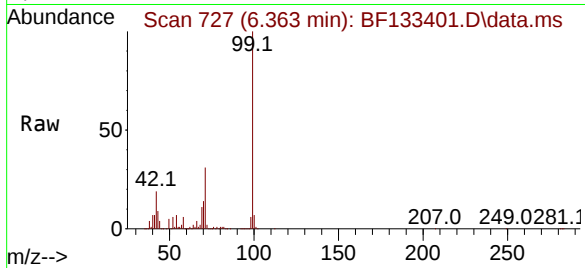




#7  
Phenol-d6  
Concen: 79.046 ng  
RT: 6.363 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

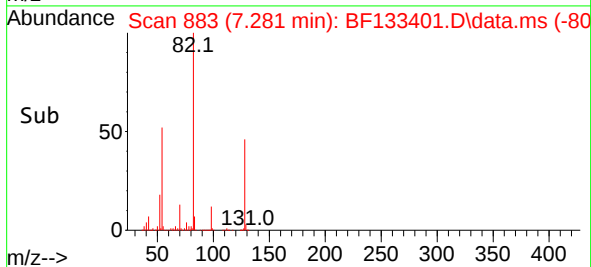
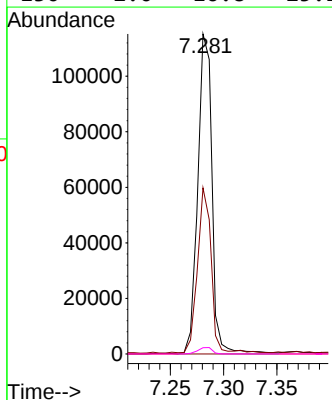
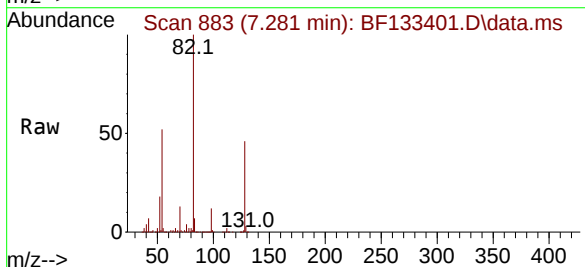
Instrument :  
BNA\_F  
ClientSampleId :  
WATERWITCH-AVE-SAMPLE

Tgt Ion: 99 Resp: 1356719  
Ion Ratio Lower Upper  
99 100  
42 18.6 16.3 24.5  
71 31.0 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.082 ng  
RT: 7.281 min Scan# 883  
Delta R.T. 0.135 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

Tgt Ion: 70 Resp: 107731  
Ion Ratio Lower Upper  
70 100  
42 51.9 51.8 77.6  
101 0.0 8.0 12.0#  
130 2.0 16.8 25.2#

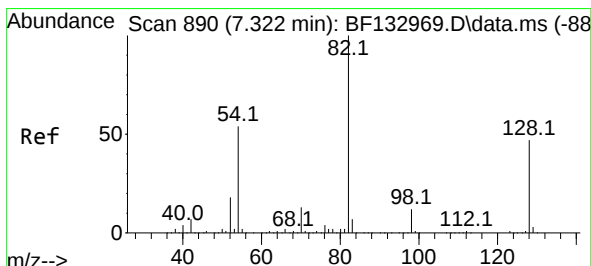
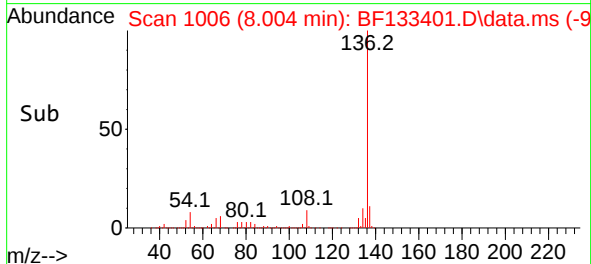
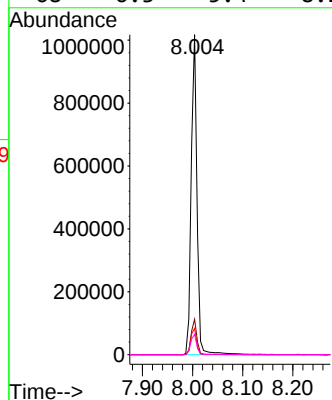
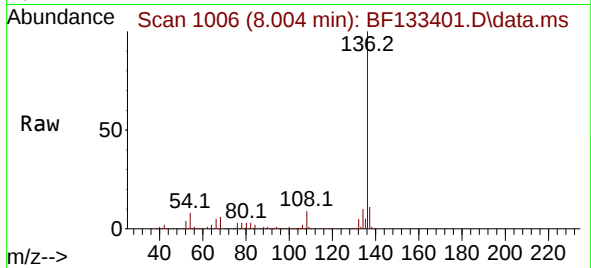




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.004 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

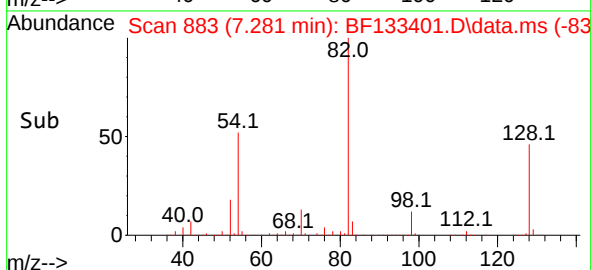
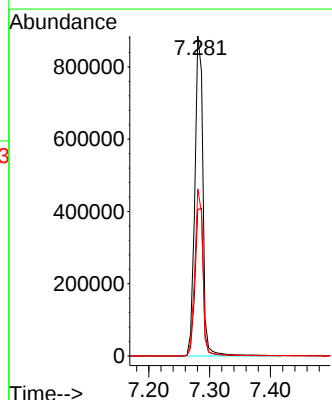
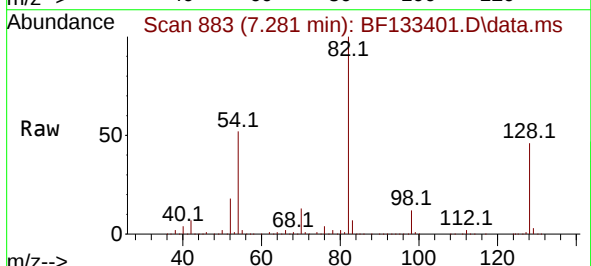
Instrument :  
BNA\_F  
ClientSampleId :  
WATERWITCH-AVE-SAMPLE

Tgt Ion:136 Resp: 819748  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 13.0  
54 8.2 7.0 10.4  
68 6.3 5.4 8.2



#23  
Nitrobenzene-d5  
Concen: 53.823 ng  
RT: 7.281 min Scan# 883  
Delta R.T. -0.012 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

Tgt Ion: 82 Resp: 817414  
Ion Ratio Lower Upper  
82 100  
128 45.8 37.7 56.5  
54 52.2 43.0 64.4

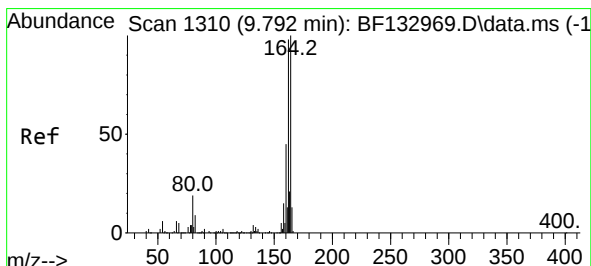
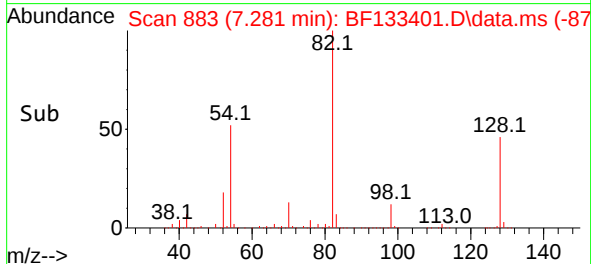
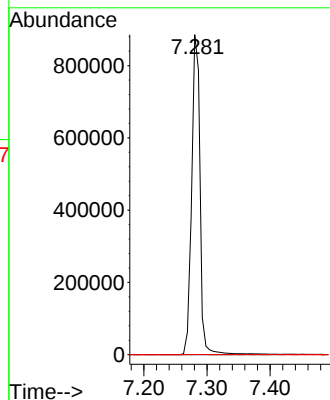
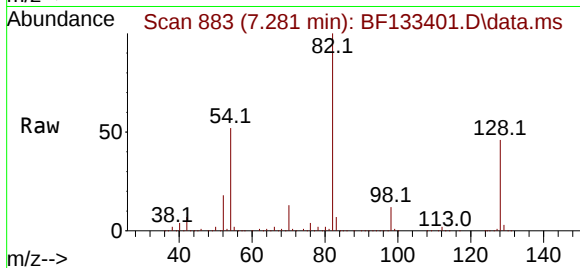




#25  
Isophorone  
Concen: 28.348 ng  
RT: 7.281 min Scan# 81  
Delta R.T. -0.271 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

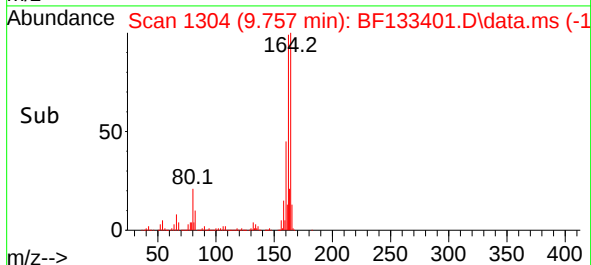
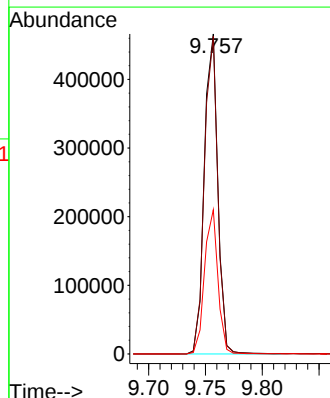
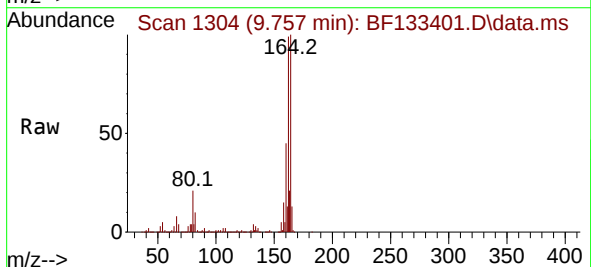
Instrument :  
BNA\_F  
ClientSampleId :  
WATERWITCH-AVE-SAMPLE

Tgt Ion: 82 Resp: 817408  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.0#  
138 0.0 16.0 24.0#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.757 min Scan# 1304  
Delta R.T. -0.006 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

Tgt Ion:164 Resp: 384933  
Ion Ratio Lower Upper  
164 100  
162 99.3 78.7 118.1  
160 45.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 69.042 ng

RT: 10.545 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133401.D

Acq: 16 May 2023 14:32

Instrument :

BNA\_F

ClientSampleId :

WATERWITCH-AVE-SAMPLE

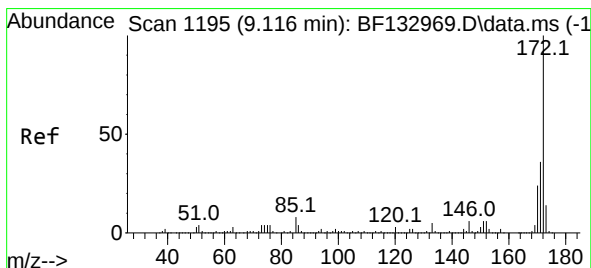
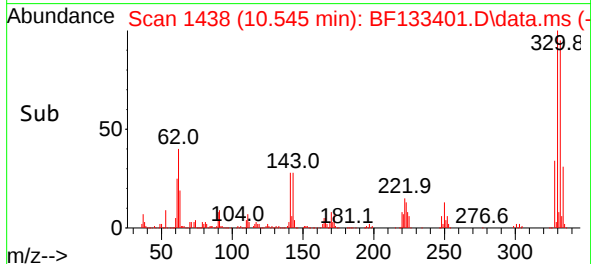
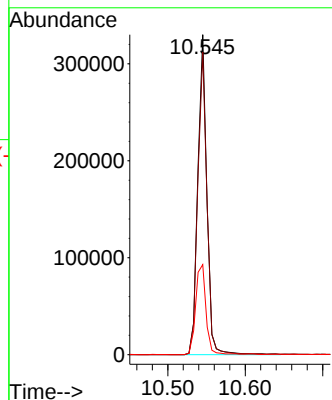
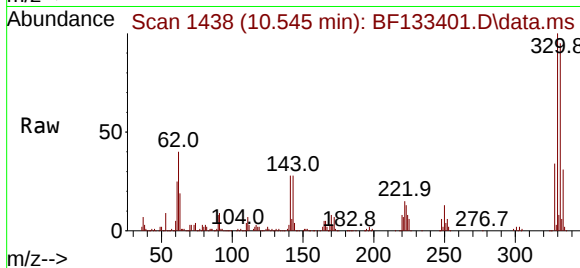
Tgt Ion:330 Resp: 267276

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 32.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 59.229 ng

RT: 9.080 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133401.D

Acq: 16 May 2023 14:32

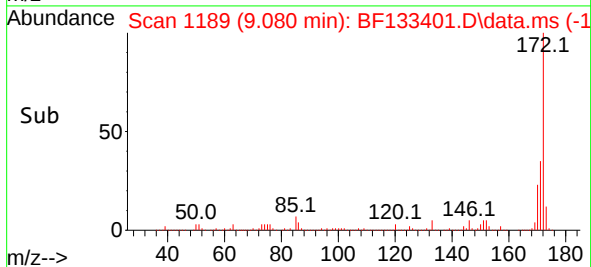
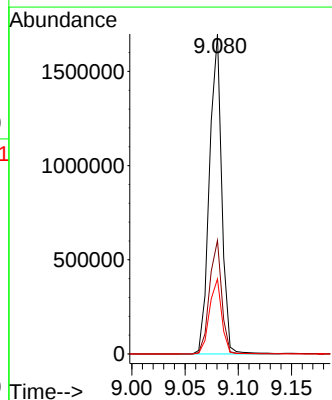
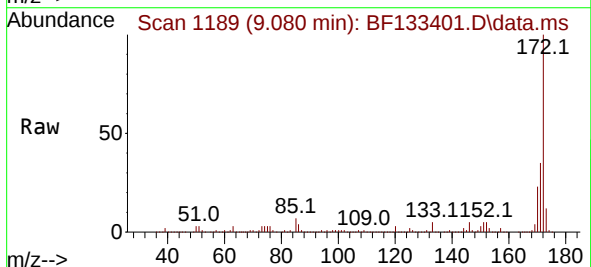
Tgt Ion:172 Resp: 1362780

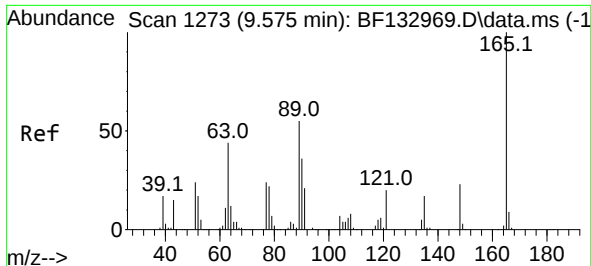
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.5 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.379 ng

RT: 9.757 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF133401.D

Acq: 16 May 2023 14:32

Instrument :

BNA\_F

ClientSampleId :

WATERWITCH-AVE-SAMPLE

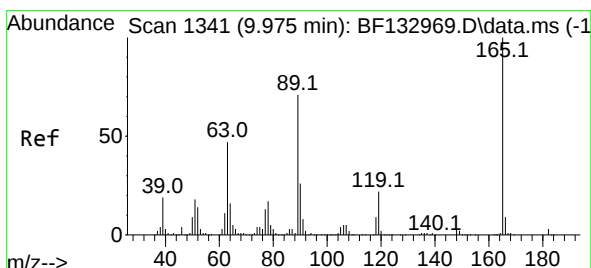
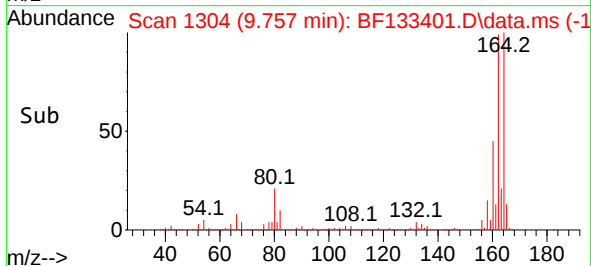
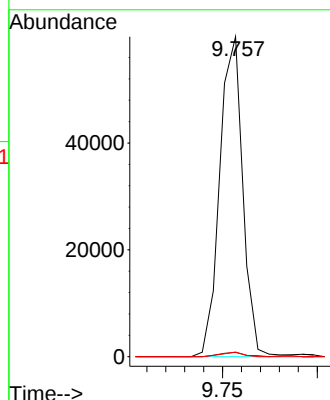
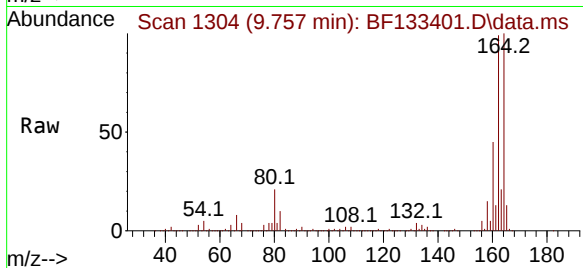
Tgt Ion:165 Resp: 50619

Ion Ratio Lower Upper

165 100

63 1.3 45.9 68.9#

89 1.4 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.570 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.200 min

Lab File: BF133401.D

Acq: 16 May 2023 14:32

Tgt Ion:165 Resp: 50619

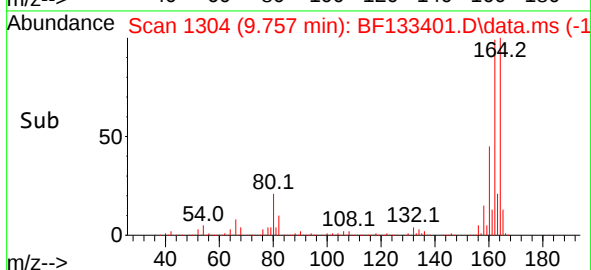
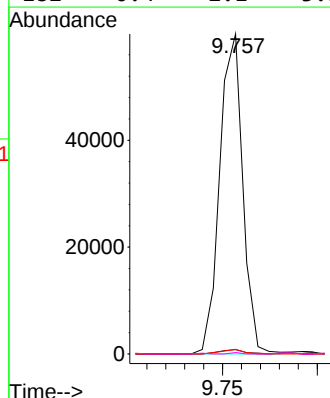
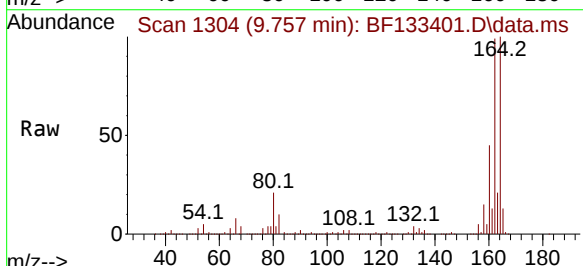
Ion Ratio Lower Upper

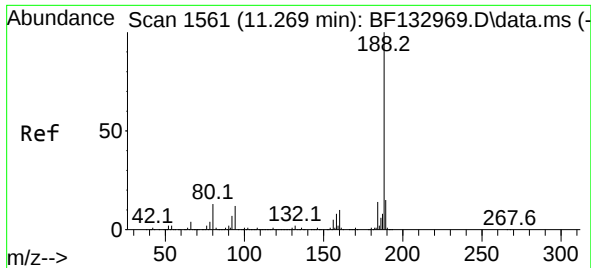
165 100

63 1.3 37.7 56.5#

89 1.4 57.0 85.4#

182 0.4 2.1 3.1#

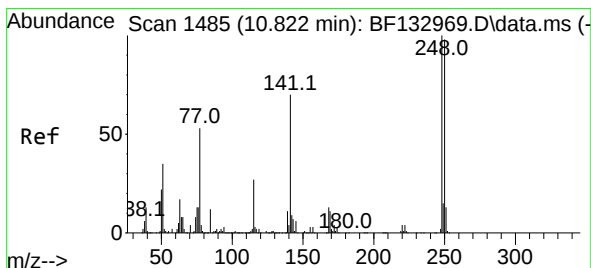
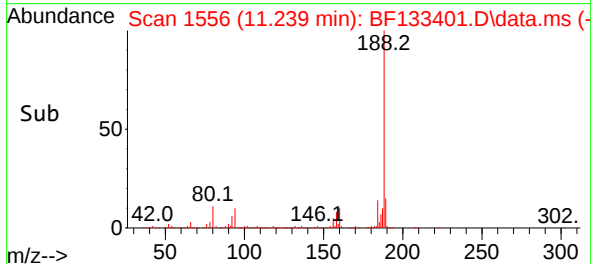
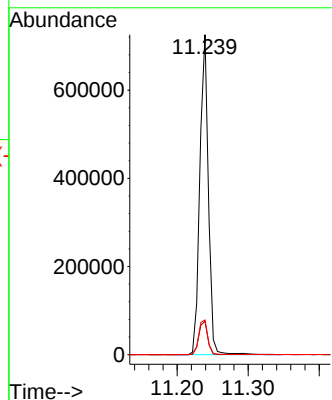
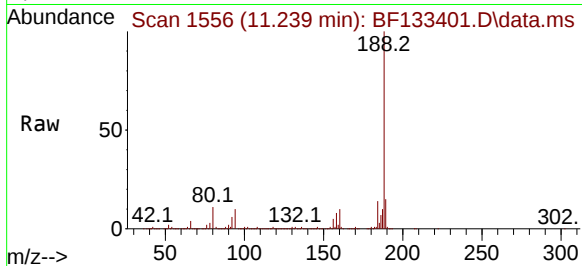




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.239 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

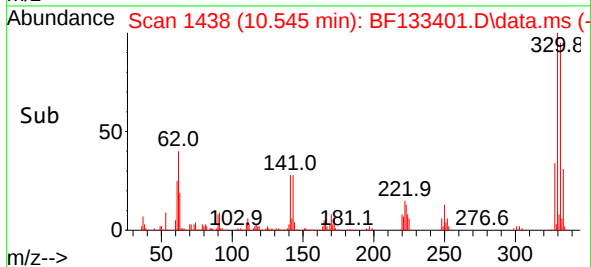
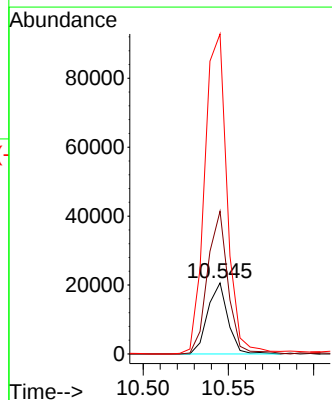
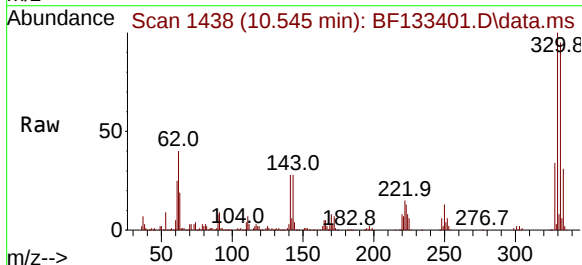
Instrument :  
BNA\_F  
ClientSampleId :  
WATERWITCH-AVE-SAMPLE

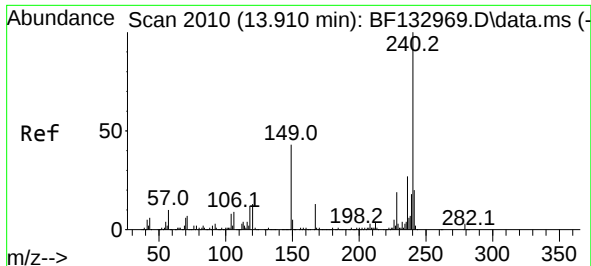
Tgt Ion:188 Resp: 608558  
Ion Ratio Lower Upper  
188 100  
94 10.5 9.7 14.5  
80 10.9 10.4 15.6



#67  
4-Bromophenyl-phenylether  
Concen: 2.586 ng  
RT: 10.545 min Scan# 1438  
Delta R.T. -0.247 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

Tgt Ion:248 Resp: 17071  
Ion Ratio Lower Upper  
248 100  
250 200.9 78.7 118.1#  
141 450.6 56.3 84.5#

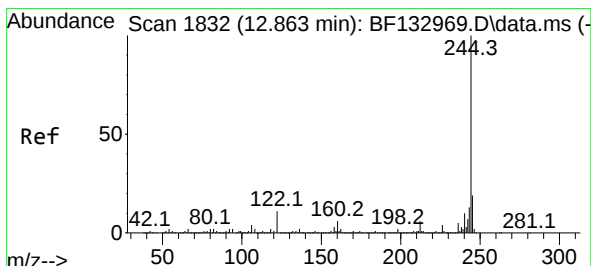
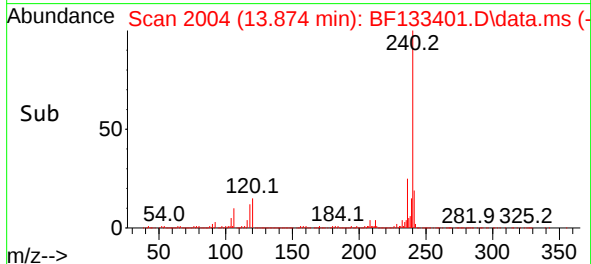
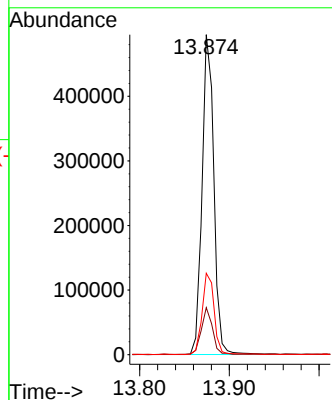
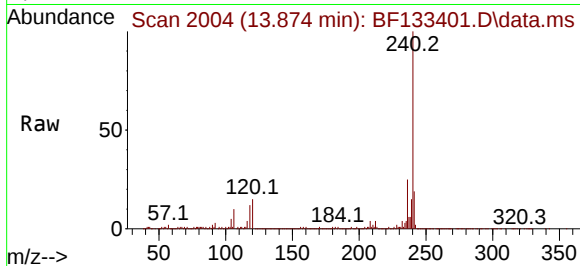




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.874 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

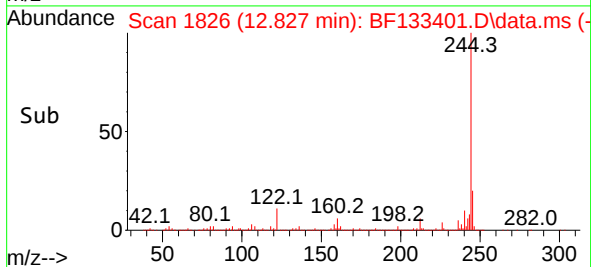
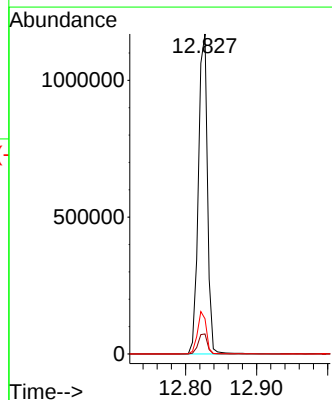
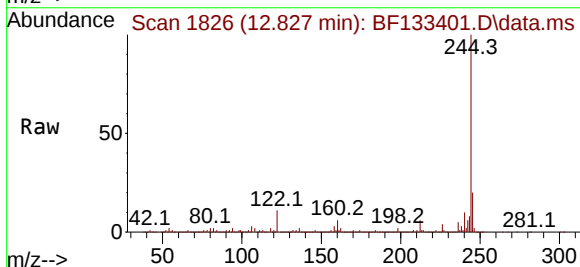
Instrument :  
BNA\_F  
ClientSampleId :  
WATERWITCH-AVE-SAMPLE

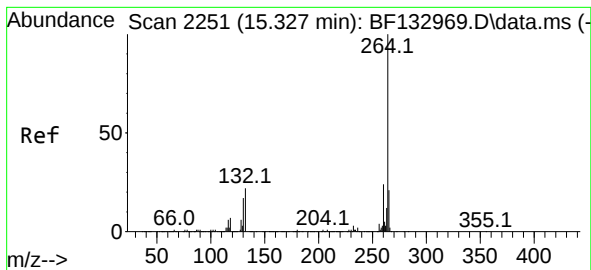
Tgt Ion:240 Resp: 451390  
Ion Ratio Lower Upper  
240 100  
120 14.7 10.5 15.7  
236 25.4 21.5 32.3



#79  
Terphenyl-d14  
Concen: 39.782 ng  
RT: 12.827 min Scan# 1826  
Delta R.T. -0.006 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

Tgt Ion:244 Resp: 1041202  
Ion Ratio Lower Upper  
244 100  
212 6.3 5.1 7.7  
122 11.0 8.6 13.0





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.304 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF133401.D  
Acq: 16 May 2023 14:32

Instrument :  
BNA\_F  
ClientSampleId :  
WATERWITCH-AVE-SAMPLE

Tgt Ion:264 Resp: 552512  
Ion Ratio Lower Upper  
264 100  
260 24.4 18.8 28.2  
265 22.2 17.0 25.4

