

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100121\  
 Data File : BN016680.D  
 Acq On : 02 Oct 2021 20:45  
 Operator : CG/JU  
 Sample : M3829-20  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Oct 04 03:35:28 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN100121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 01 13:35:26 2021  
 Response via : Initial Calibration

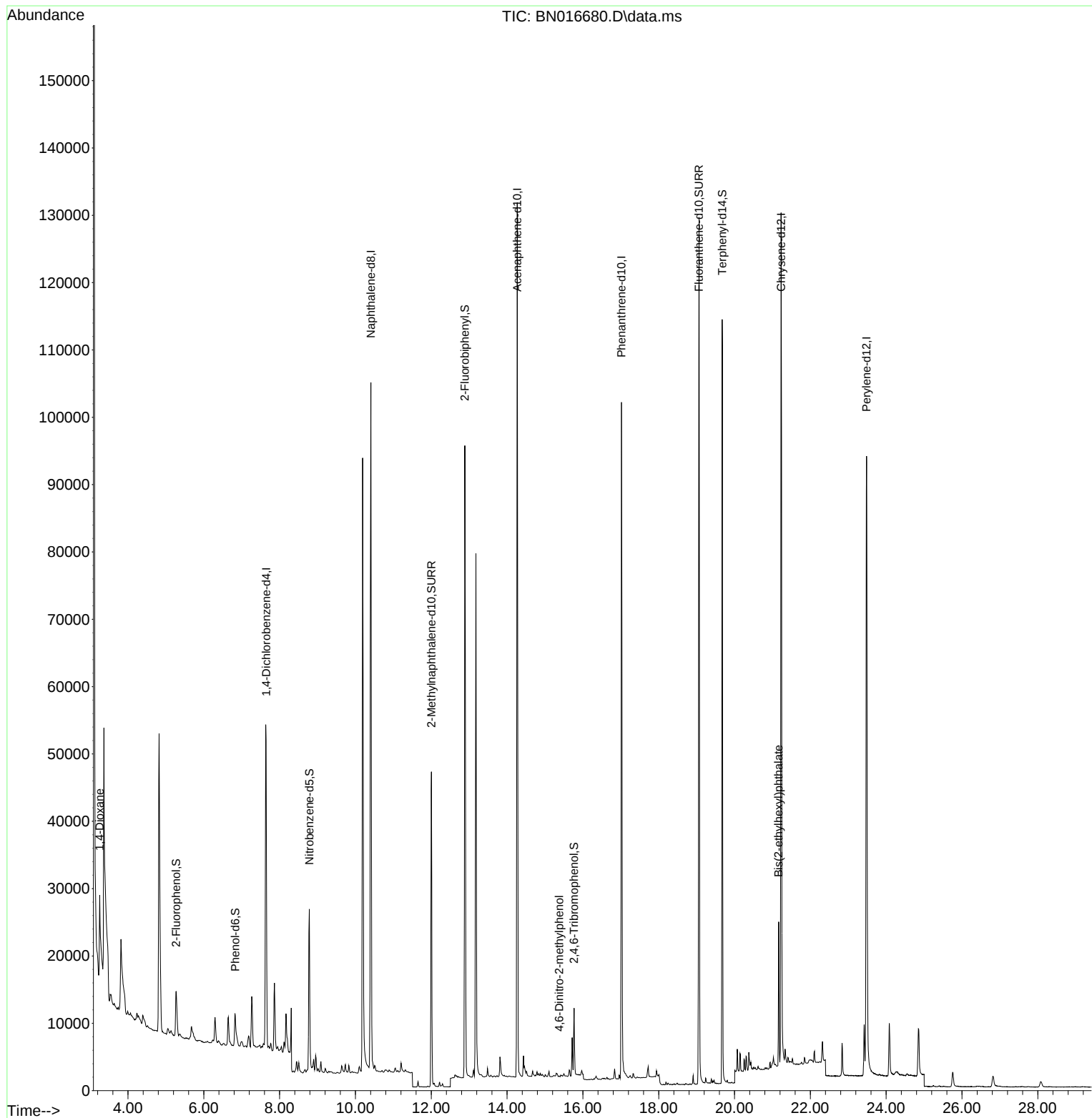
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.642  | 152  | 29729    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.407 | 136  | 136851   | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.269 | 164  | 72381    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.017 | 188  | 139099   | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.227 | 240  | 130333   | 0.400 | ng    | #-0.01   |
| 35) Perylene-d12              | 23.481 | 264  | 132643   | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.273  | 112  | 9529     | 0.126 | ng    | 0.02     |
| 5) Phenol-d6                  | 6.831  | 99   | 5822     | 0.070 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.784  | 82   | 23333    | 0.262 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.003 | 152  | 62163    | 0.307 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.766 | 330  | 8874     | 0.269 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.886 | 172  | 84387    | 0.288 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.063 | 212  | 144491   | 0.391 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.673 | 244  | 115781   | 0.409 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.253  | 88   | 8656     | 0.633 | ng    | # 83     |
| 20) 4,6-Dinitro-2-methylph... | 15.373 | 198  | 4        | 0.137 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.164 | 149  | 19596    | 0.123 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

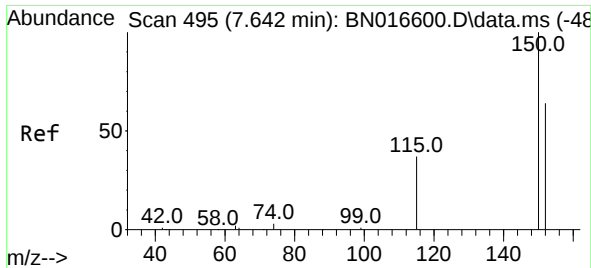
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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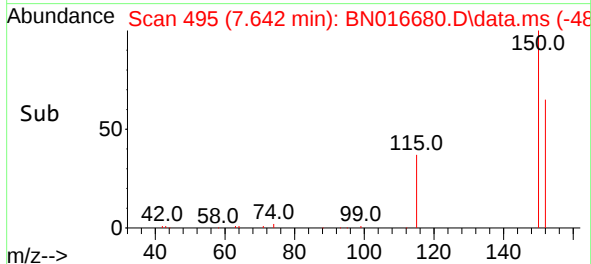
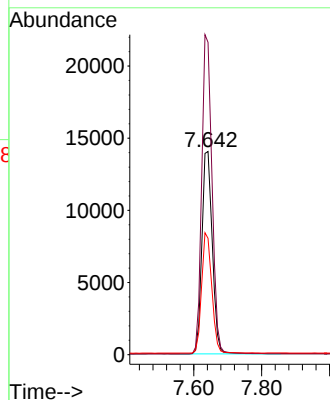
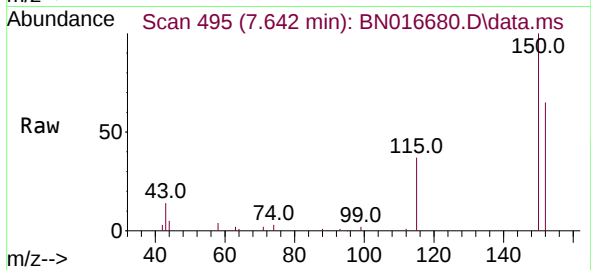




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.642 min Scan# 495  
 Delta R.T. 0.000 min  
 Lab File: BN016680.D  
 Acq: 02 Oct 2021 20:45

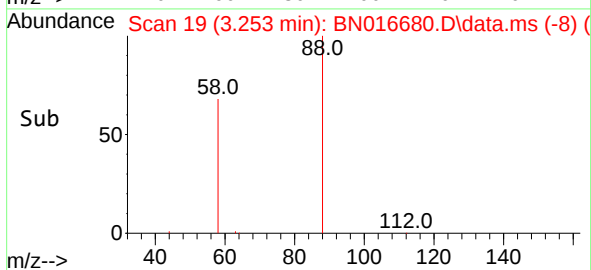
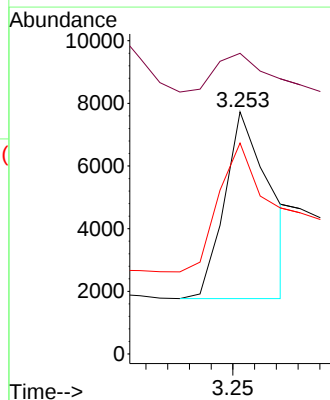
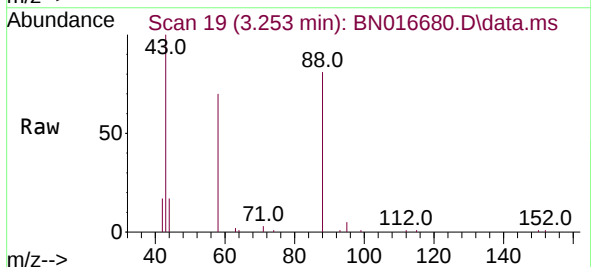
Instrument :  
 BNA\_N  
 ClientSampleId :

Tgt Ion:152 Resp: 29729  
 Ion Ratio Lower Upper  
 152 100  
 150 153.8 124.6 186.8  
 115 57.2 46.5 69.7



#2  
 1,4-Dioxane  
 Concen: 0.633 ng  
 RT: 3.253 min Scan# 19  
 Delta R.T. 0.000 min  
 Lab File: BN016680.D  
 Acq: 02 Oct 2021 20:45

Tgt Ion: 88 Resp: 8656  
 Ion Ratio Lower Upper  
 88 100  
 43 21.7 37.8 56.8#  
 58 73.3 61.3 91.9

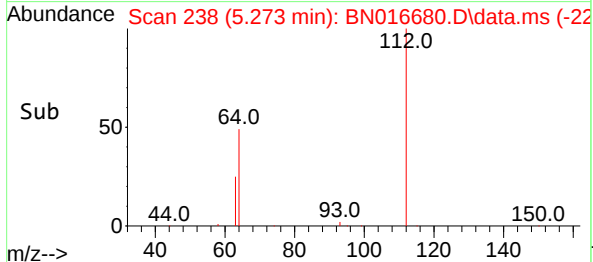
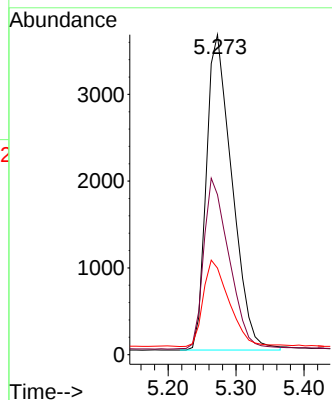
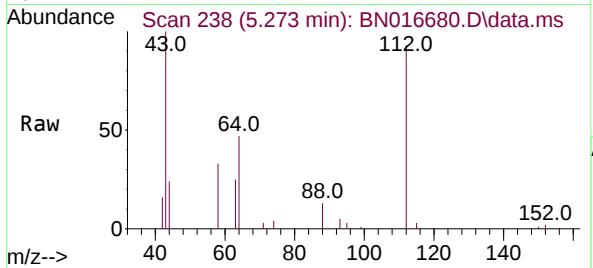




#4  
2-Fluorophenol  
Concen: 0.126 ng  
RT: 5.273 min Scan# 238  
Delta R.T. 0.019 min  
Lab File: BN016680.D  
Acq: 02 Oct 2021 20:45

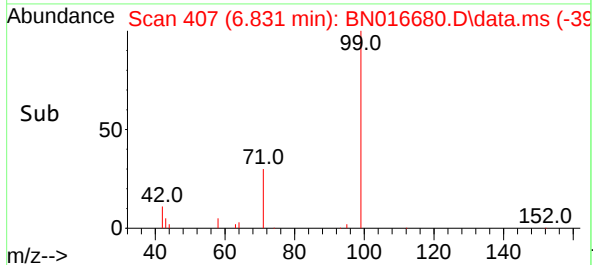
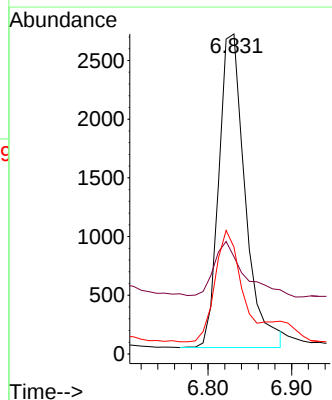
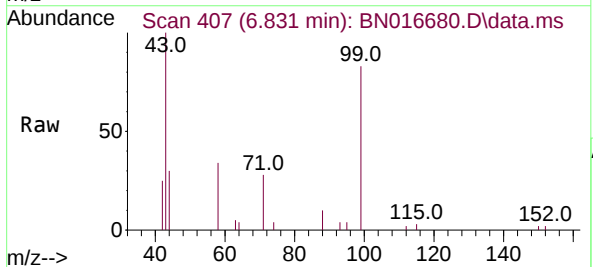
Instrument :  
BNA\_N  
ClientSampleId :

Tgt Ion:112 Resp: 9529  
Ion Ratio Lower Upper  
112 100  
64 53.8 43.1 64.7  
63 27.5 21.6 32.4



#5  
Phenol-d6  
Concen: 0.070 ng  
RT: 6.831 min Scan# 407  
Delta R.T. 0.009 min  
Lab File: BN016680.D  
Acq: 02 Oct 2021 20:45

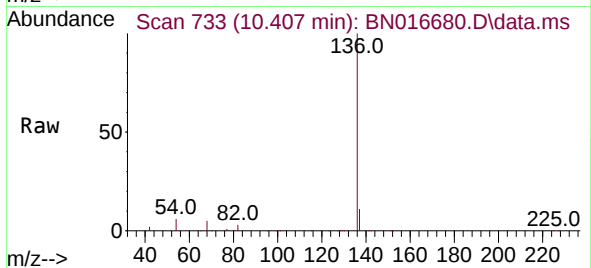
Tgt Ion: 99 Resp: 5822  
Ion Ratio Lower Upper  
99 100  
42 19.0 13.0 19.6  
71 36.9 23.5 35.3#



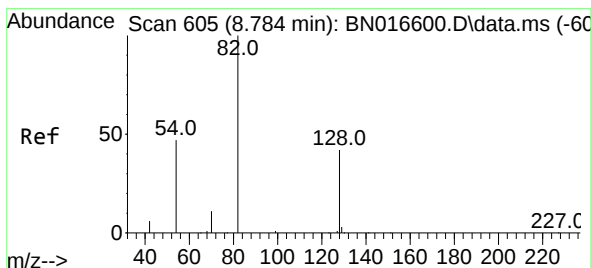
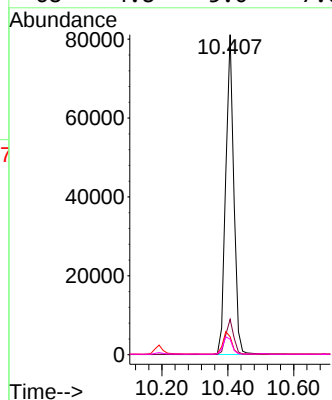
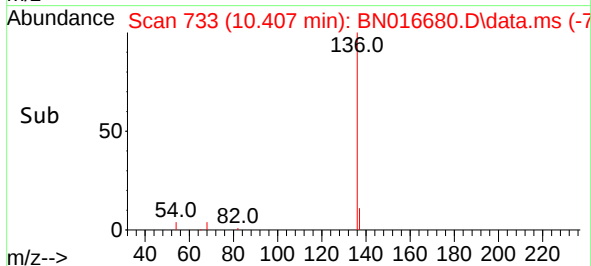


#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.407 min Scan# 733  
Delta R.T. 0.000 min  
Lab File: BN016680.D  
Acq: 02 Oct 2021 20:45

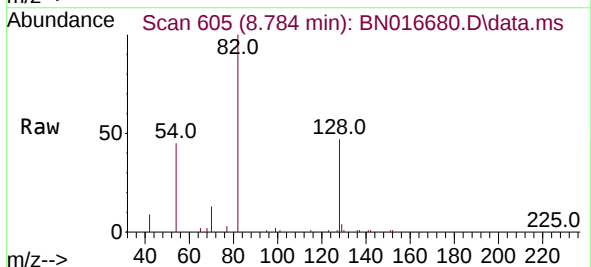
Instrument :  
BNA\_N  
ClientSampleId :



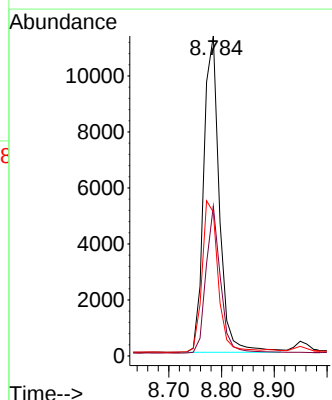
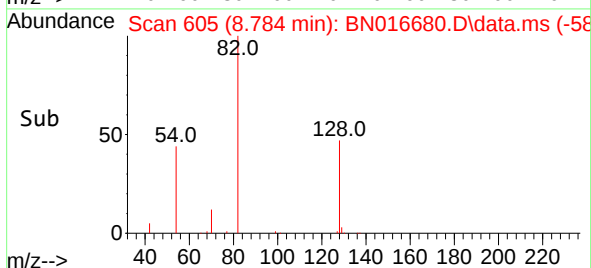
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 136851 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.7   | 13.1   |
| 54       | 5.6   | 5.9   | 8.9#   |
| 68       | 4.8   | 5.0   | 7.6#   |

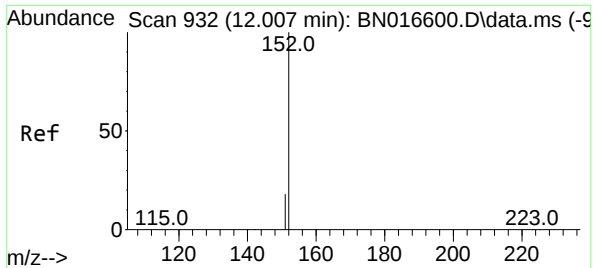


#8  
Nitrobenzene-d5  
Concen: 0.262 ng  
RT: 8.784 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: BN016680.D  
Acq: 02 Oct 2021 20:45



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 23333 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 46.9  | 33.6  | 50.4  |
| 54       | 45.0  | 37.6  | 56.4  |

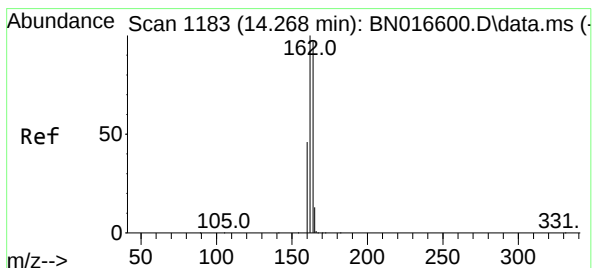
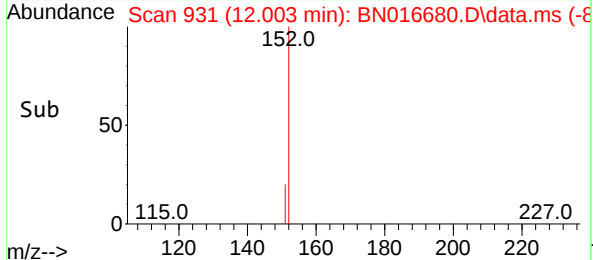
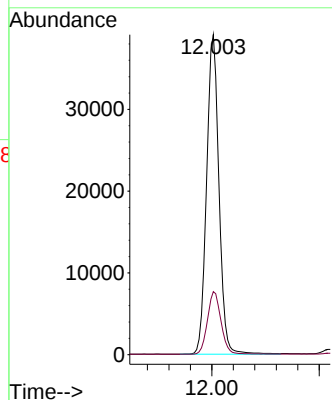
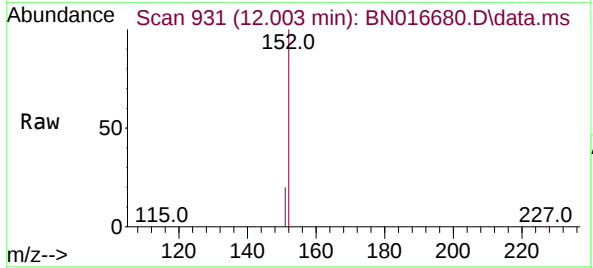




#11  
2-Methylnaphthalene-d10  
Concen: 0.307 ng  
RT: 12.003 min Scan# 931  
Delta R.T. -0.004 min  
Lab File: BN016680.D  
Acq: 02 Oct 2021 20:45

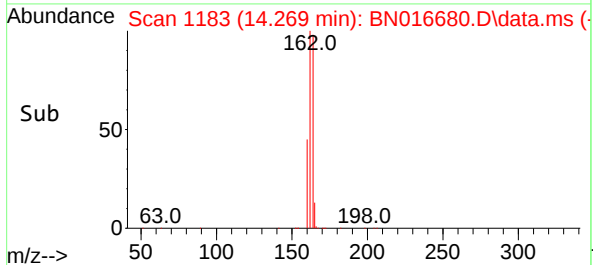
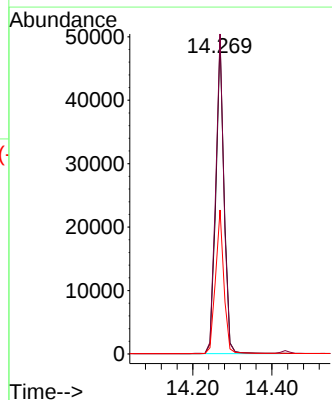
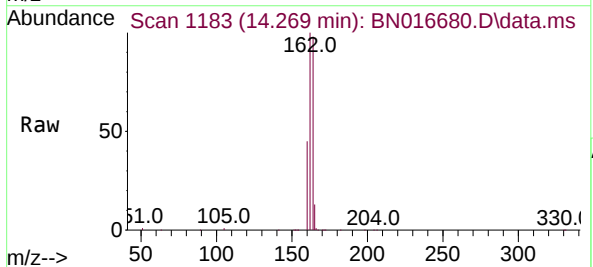
Instrument :  
BNA\_N  
ClientSampleId :

Tgt Ion:152 Resp: 62163  
Ion Ratio Lower Upper  
152 100  
151 21.5 16.2 24.4



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.269 min Scan# 1183  
Delta R.T. 0.000 min  
Lab File: BN016680.D  
Acq: 02 Oct 2021 20:45

Tgt Ion:164 Resp: 72381  
Ion Ratio Lower Upper  
164 100  
162 101.5 82.2 123.2  
160 45.7 37.7 56.5

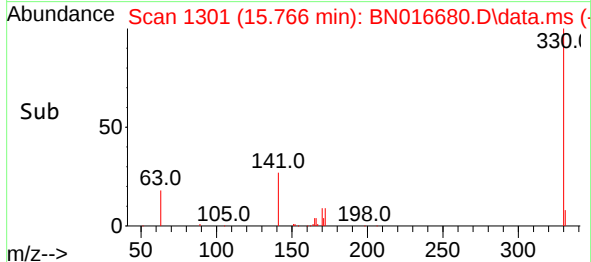
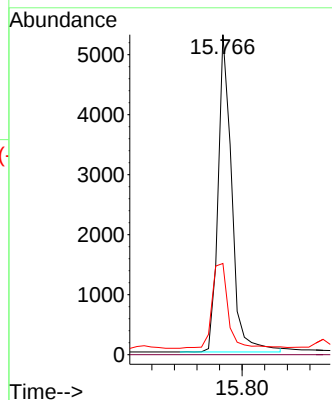
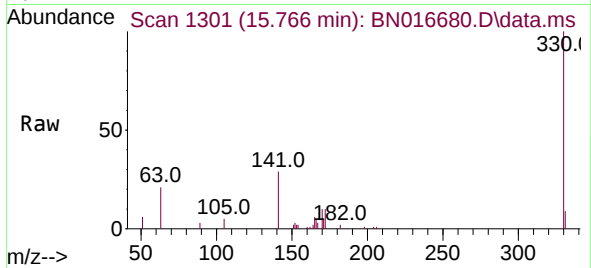




#14  
2,4,6-Tribromophenol  
Concen: 0.269 ng  
RT: 15.766 min Scan# 1301  
Delta R.T. 0.000 min  
Lab File: BN016680.D  
Acq: 02 Oct 2021 20:45

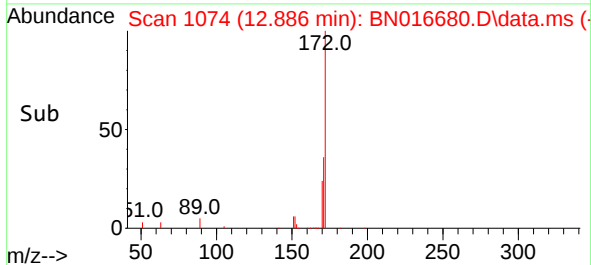
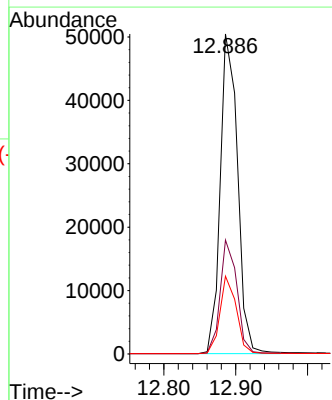
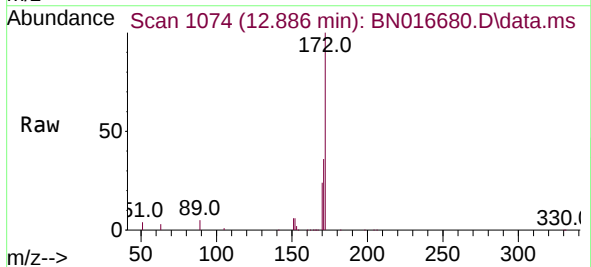
Instrument :  
BNA\_N  
ClientSampled :

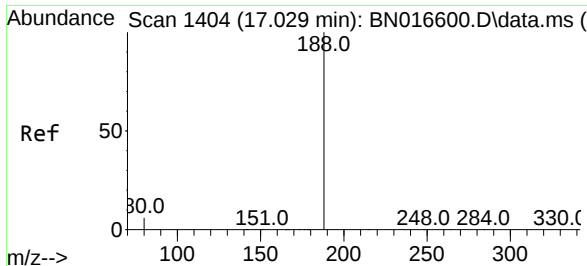
Tgt Ion:330 Resp: 8874  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 31.4 25.2 37.8



#15  
2-Fluorobiphenyl  
Concen: 0.288 ng  
RT: 12.886 min Scan# 1074  
Delta R.T. -0.012 min  
Lab File: BN016680.D  
Acq: 02 Oct 2021 20:45

Tgt Ion:172 Resp: 84387  
Ion Ratio Lower Upper  
172 100  
171 35.6 27.0 40.4  
170 24.3 17.4 26.2

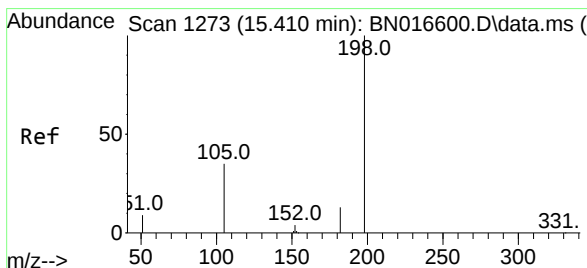
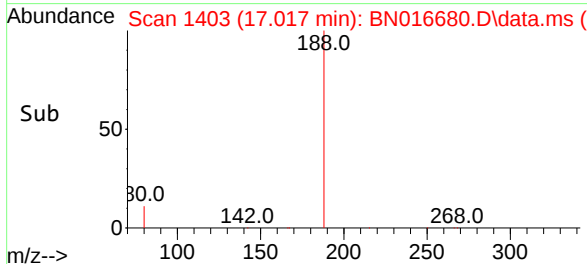
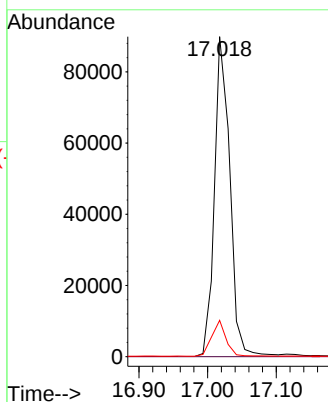
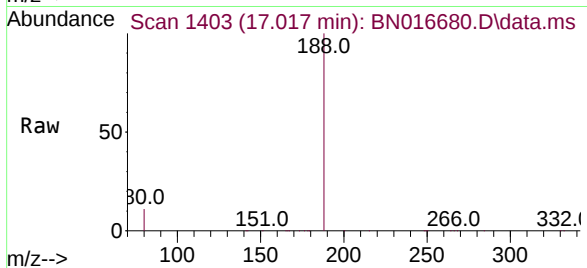




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.017 min Scan# 1403  
Delta R.T. -0.012 min  
Lab File: BN016680.D  
Acq: 02 Oct 2021 20:45

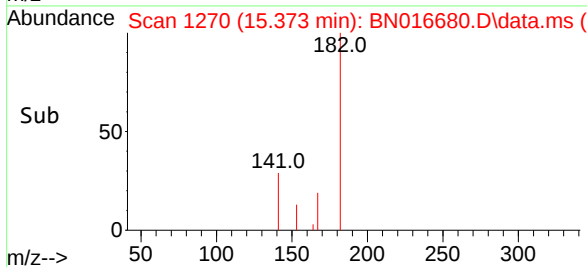
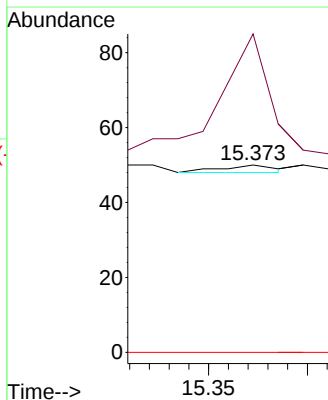
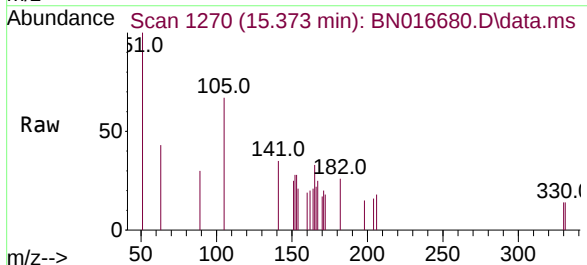
Instrument :  
BNA\_N  
ClientSampleId :

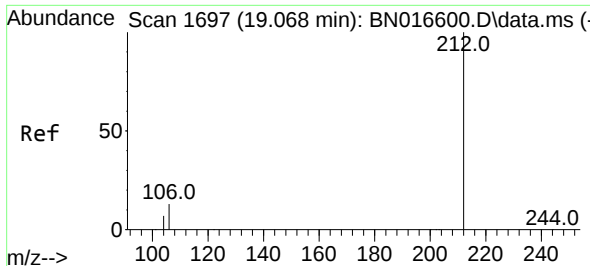
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 11.3  | 5.0   | 7.6#  |



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.137 ng  
RT: 15.373 min Scan# 1270  
Delta R.T. -0.037 min  
Lab File: BN016680.D  
Acq: 02 Oct 2021 20:45

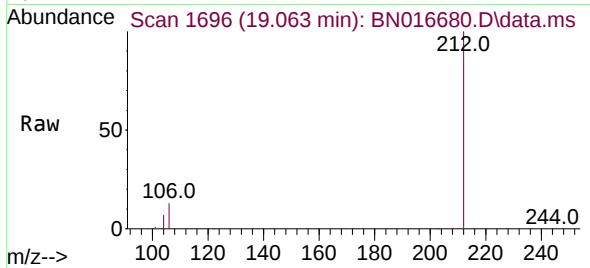
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 182     | 170.0 | 11.8  | 17.8# |
| 77      | 0.0   | 0.0   | 0.0   |



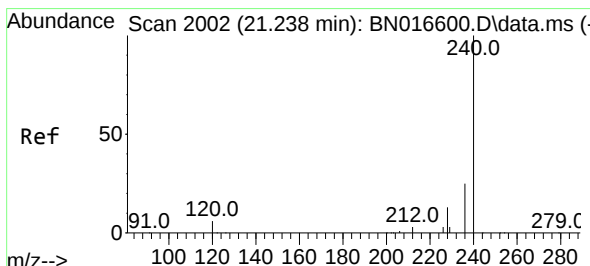
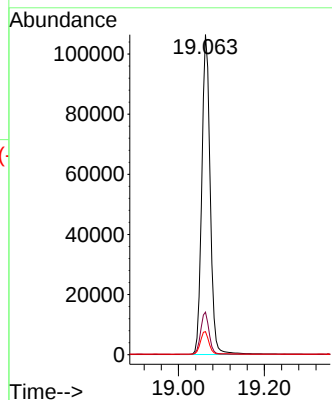
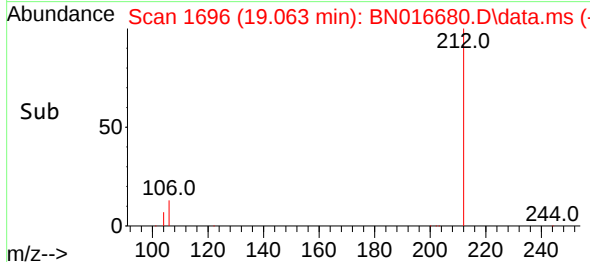


#27  
Fluoranthene-d10  
Concen: 0.391 ng  
RT: 19.063 min Scan# 1696  
Delta R.T. -0.005 min  
Lab File: BN016680.D  
Acq: 02 Oct 2021 20:45

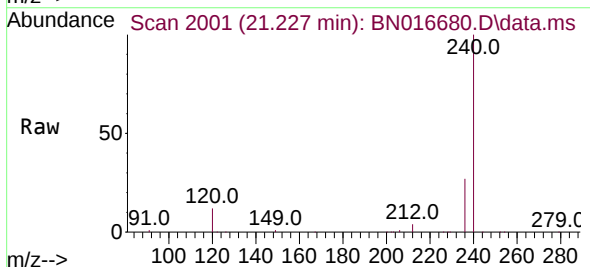
Instrument :  
BNA\_N  
ClientSampleId :



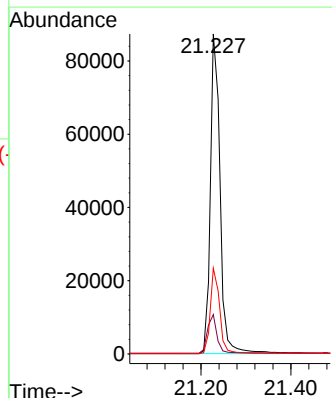
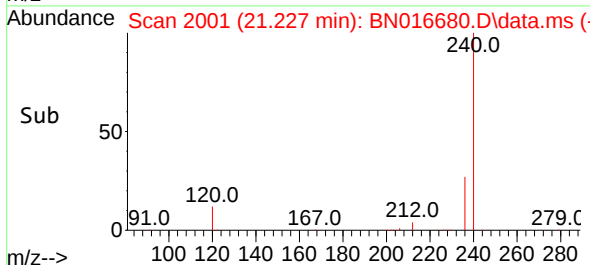
Tgt Ion:212 Resp: 144491  
Ion Ratio Lower Upper  
212 100  
106 13.4 10.6 16.0  
104 7.1 5.9 8.9

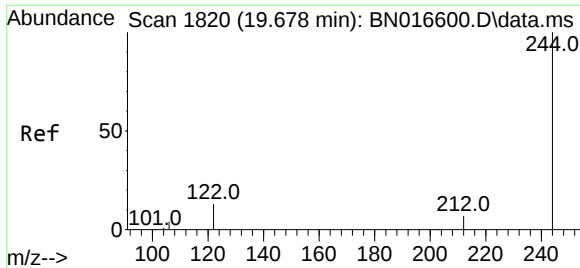


#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.227 min Scan# 2001  
Delta R.T. -0.010 min  
Lab File: BN016680.D  
Acq: 02 Oct 2021 20:45



Tgt Ion:240 Resp: 130333  
Ion Ratio Lower Upper  
240 100  
120 12.3 5.0 7.4#  
236 26.8 20.4 30.6

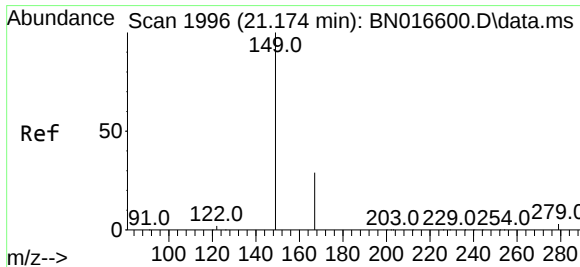
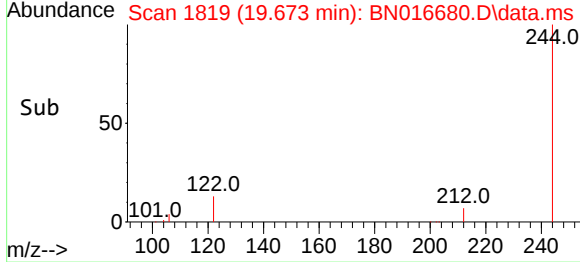
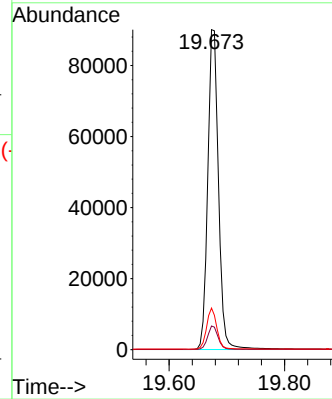
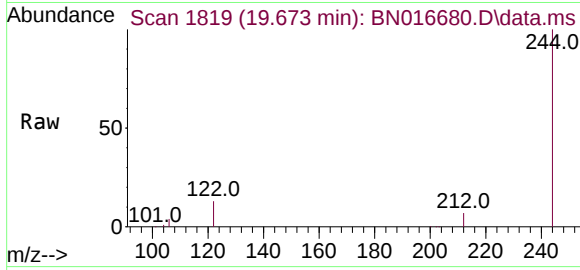




#31  
 Terphenyl-d14  
 Concen: 0.409 ng  
 RT: 19.673 min Scan# 1819  
 Delta R.T. -0.005 min  
 Lab File: BN016680.D  
 Acq: 02 Oct 2021 20:45

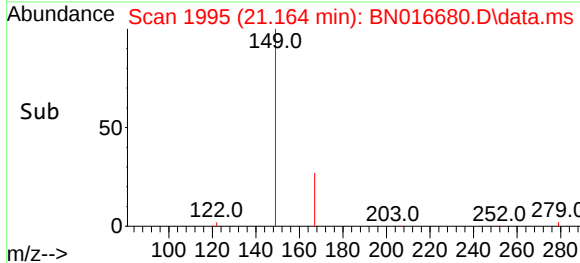
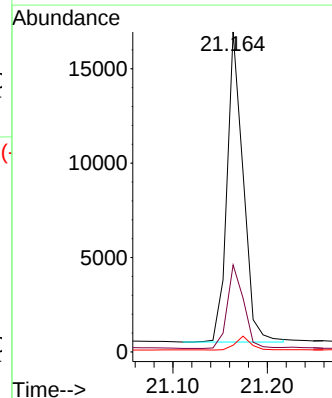
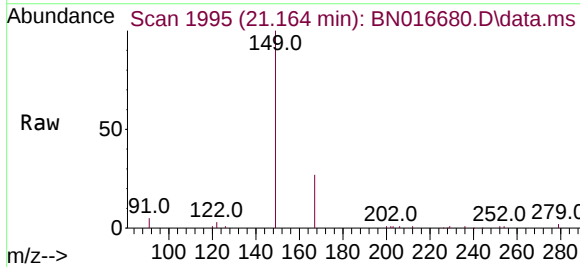
Instrument :  
 BNA\_N  
 ClientSampled :

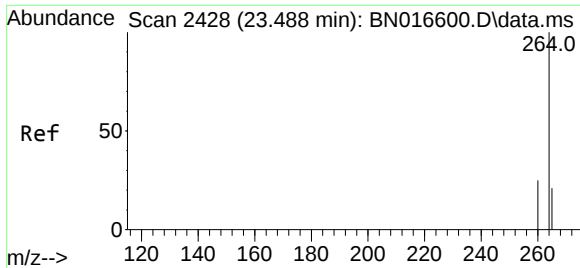
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:244 | Resp: | 115781    |
| Ion Ratio   | Lower | Upper     |
| 244         | 100   |           |
| 212         | 7.4   | 6.0 9.0   |
| 122         | 13.0  | 10.1 15.1 |



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.123 ng  
 RT: 21.164 min Scan# 1995  
 Delta R.T. -0.010 min  
 Lab File: BN016680.D  
 Acq: 02 Oct 2021 20:45

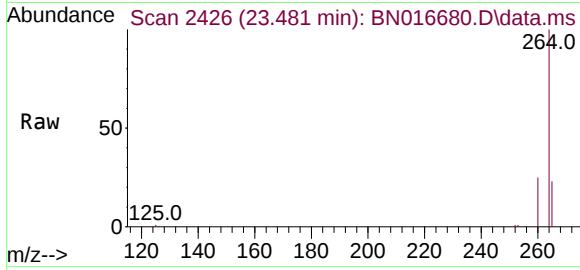
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 19596     |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 167         | 27.4  | 22.2 33.4 |
| 279         | 4.2   | 3.2 4.8   |





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.481 min Scan# 2426  
 Delta R.T. -0.007 min  
 Lab File: BN016680.D  
 Acq: 02 Oct 2021 20:45

Instrument :  
 BNA\_N  
 ClientSampleId :



Tgt Ion:264 Resp: 132643  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.9 29.9  
 265 22.8 19.2 28.8

