

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102817\  
 Data File : BG030561.D  
 Acq On : 29 Oct 2017 14:42  
 Operator : SJ/JU  
 Sample : I6171-02  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-102617-A

Quant Time: Oct 30 08:18:58 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 17:32:15 2017  
 Response via : Initial Calibration

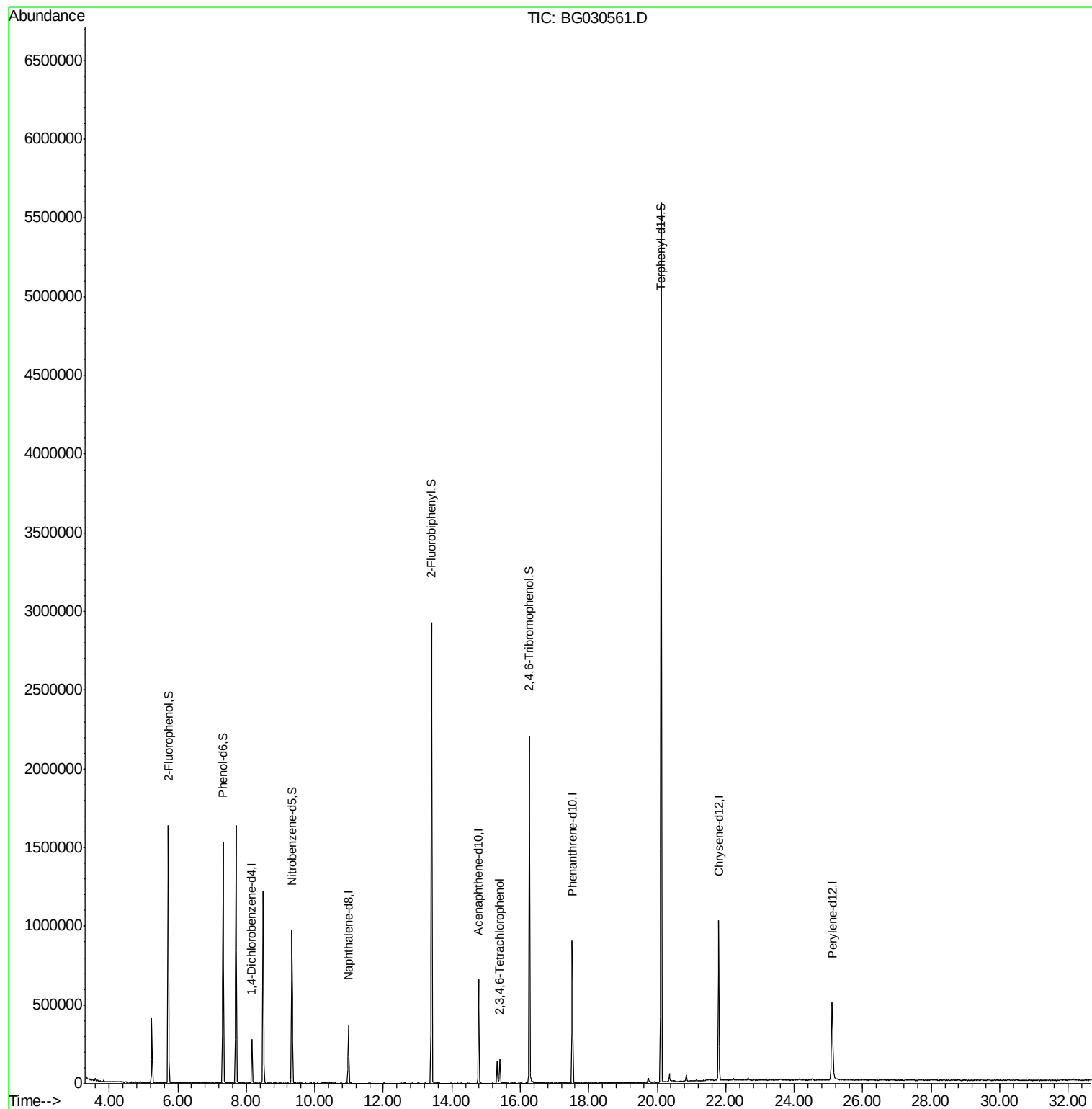
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-------------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4     | 8.16  | 152  | 79089    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8            | 10.98 | 136  | 342438   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10          | 14.79 | 164  | 230304   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10          | 17.52 | 188  | 581658   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12              | 21.80 | 240  | 620468   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12              | 25.11 | 264  | 616622   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds   |       |      |          |        |       |                |
| 5) 2-Fluorophenol             | 5.72  | 112  | 732400   | 154.70 | ng    | 0.00           |
| 7) Phenol-d6                  | 7.32  | 99   | 931998   | 140.25 | ng    | 0.00           |
| 23) Nitrobenzene-d5           | 9.33  | 82   | 593427   | 110.12 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol      | 16.27 | 330  | 457262   | 153.78 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl          | 13.41 | 172  | 1565332  | 99.69  | ng    | 0.00           |
| 78) Terphenyl-d14             | 20.11 | 244  | 2511907  | 92.10  | ng    | 0.00           |
| Target Compounds              |       |      |          |        |       |                |
| 58) 2,3,4,6-Tetrachlorophenol | 15.40 | 232  | 43980    | 9.724  | ng    | Qvalue<br># 90 |

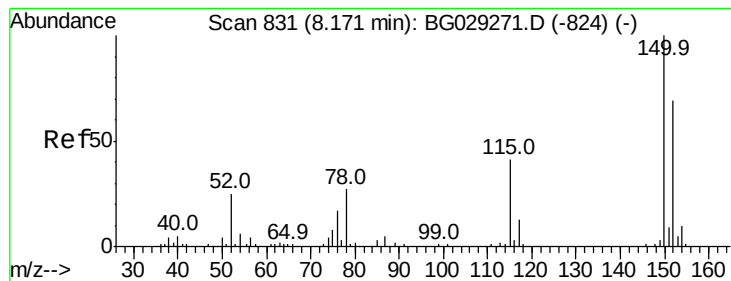
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 16 17:32:15 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.16 min Scan# 830

Delta R.T. -0.01 min

Lab File: BG030561.D

Acq: 29 Oct 2017 14:42

Instrument :

BNA\_G

ClientSampleId :

CL-01-102617-A

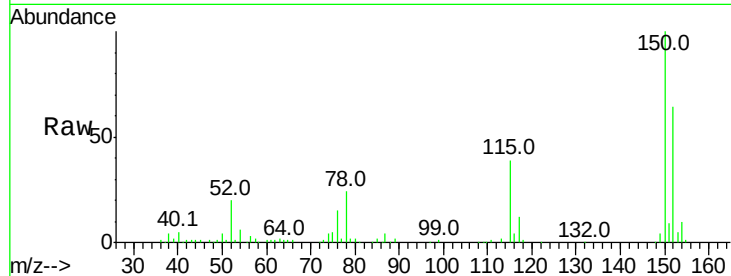
Tot Ion:152 Resp: 79089

Ion Ratio Lower Upper

152 100

150 156.5 126.6 189.8

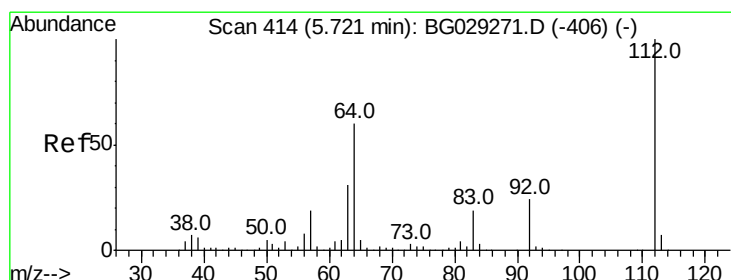
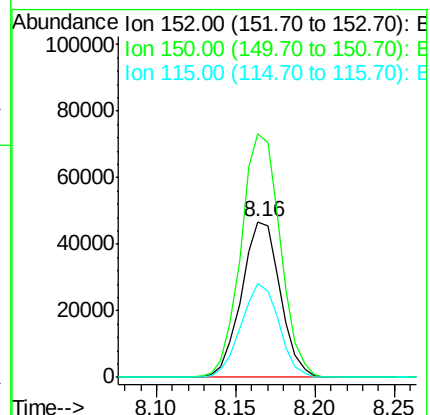
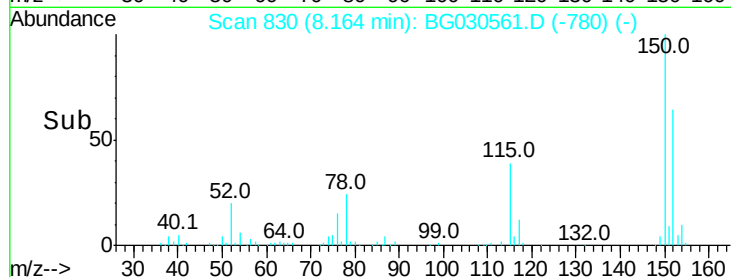
115 60.7 53.0 79.4



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: 154.701 ng

RT: 5.72 min Scan# 414

Delta R.T. -0.00 min

Lab File: BG030561.D

Acq: 29 Oct 2017 14:42

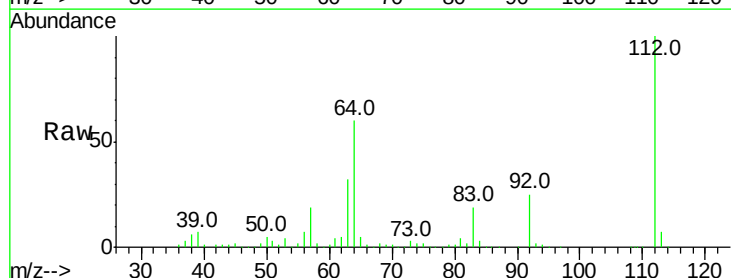
Tgt Ion:112 Resp: 732400

Ion Ratio Lower Upper

112 100

64 60.4 56.3 84.5

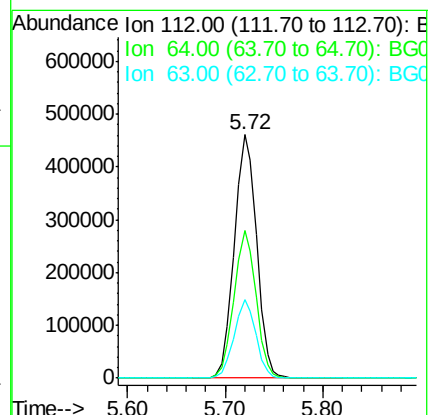
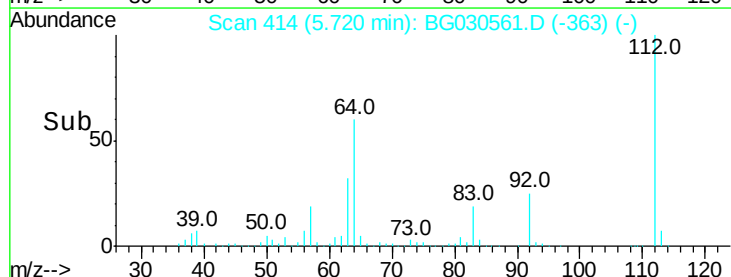
63 32.2 30.1 45.1

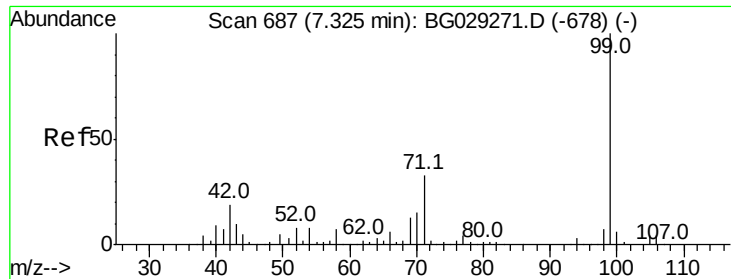


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 140.249 ng

RT: 7.32 min Scan# 687

Delta R.T. -0.00 min

Lab File: BG030561.D

Acq: 29 Oct 2017 14:42

Instrument :

BNA\_G

ClientSampleId :

CL-01-102617-A

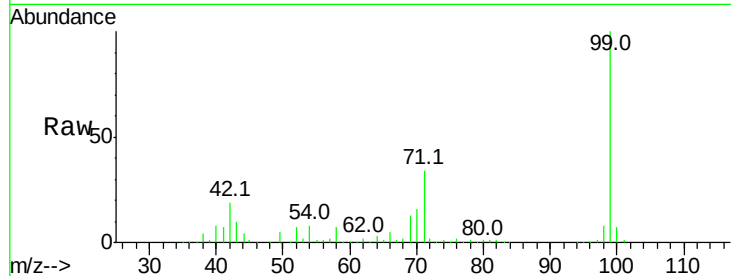
Tot Ion: 99 Resp: 931998

Ion Ratio Lower Upper

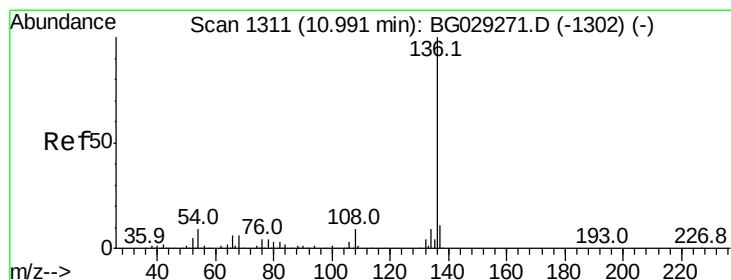
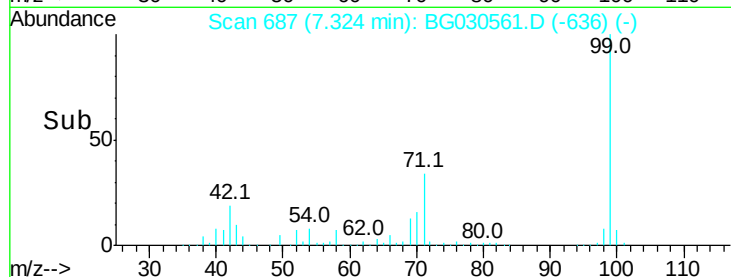
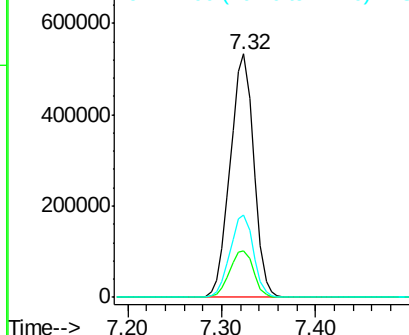
99 100

42 18.9 14.1 21.1

71 34.0 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.98 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG030561.D

Acq: 29 Oct 2017 14:42

Tgt Ion:136 Resp: 342438

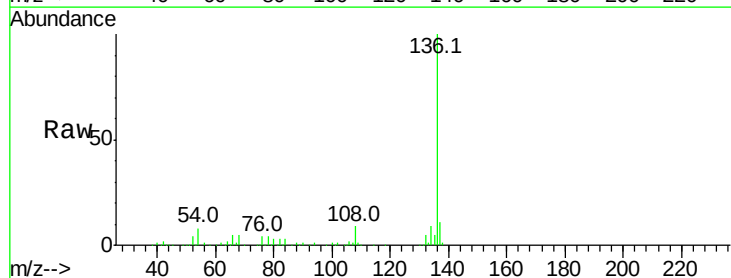
Ion Ratio Lower Upper

136 100

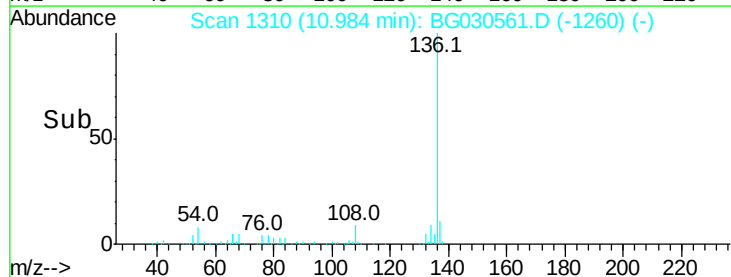
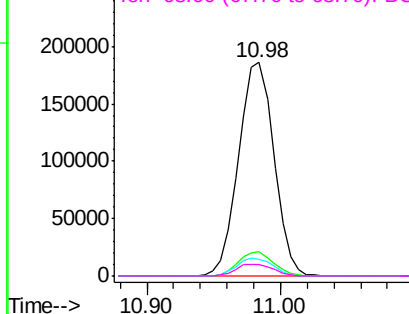
137 11.3 9.2 13.8

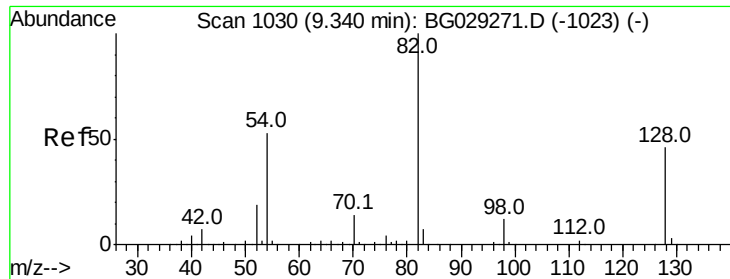
54 7.8 10.3 15.5#

68 5.5 4.5 6.7



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

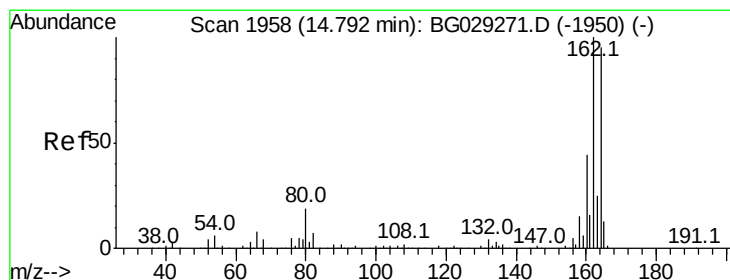
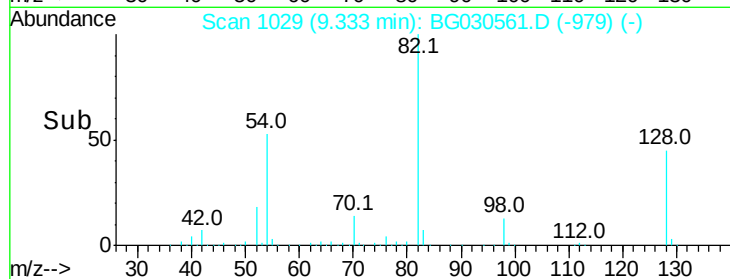
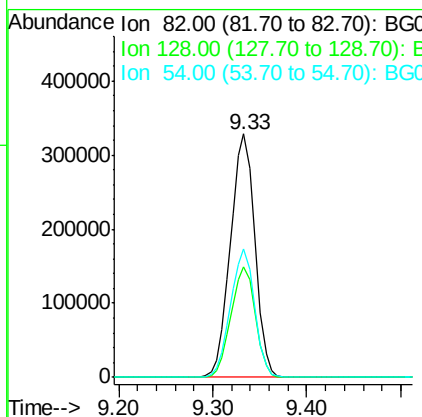
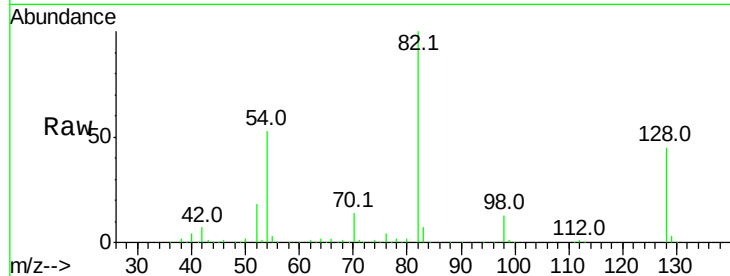




#23  
 Nitrobenzene-d5  
 Concen: 110.124 ng  
 RT: 9.33 min Scan# 1029  
 Delta R.T. -0.01 min  
 Lab File: BG030561.D  
 Acq: 29 Oct 2017 14:42

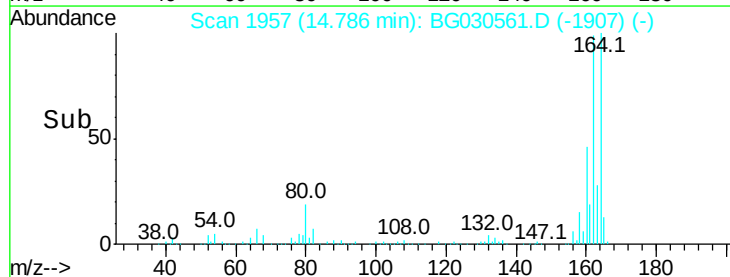
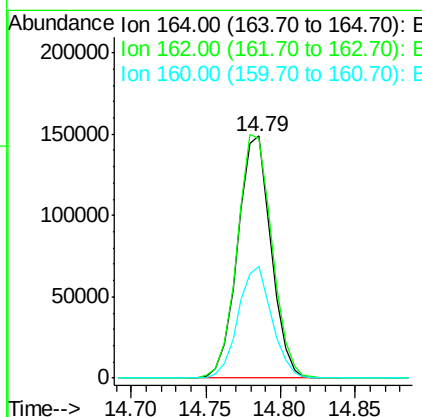
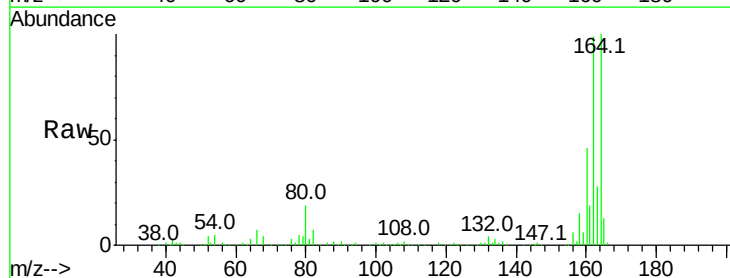
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-102617-A

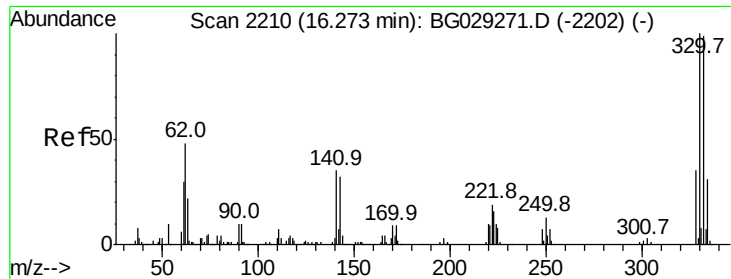
Tot Ion: 82 Resp: 593427  
 Ion Ratio Lower Upper  
 82 100  
 128 45.2 29.7 44.5#  
 54 52.7 43.1 64.7



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.79 min Scan# 1957  
 Delta R.T. -0.01 min  
 Lab File: BG030561.D  
 Acq: 29 Oct 2017 14:42

Tgt Ion: 164 Resp: 230304  
 Ion Ratio Lower Upper  
 164 100  
 162 99.2 78.8 118.2  
 160 46.2 35.4 53.0

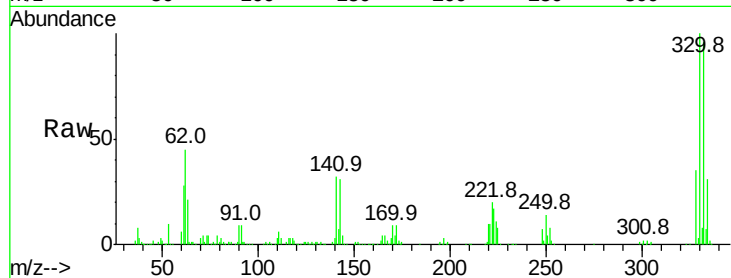




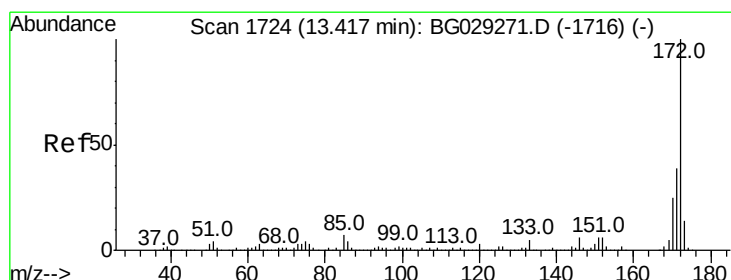
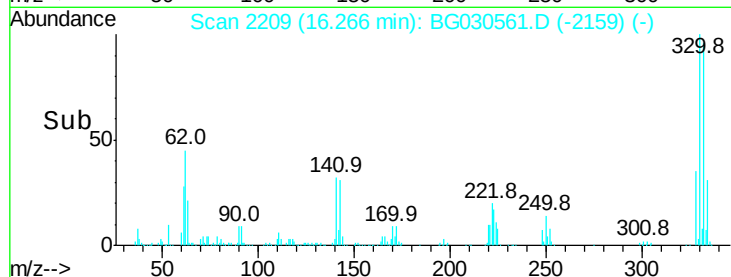
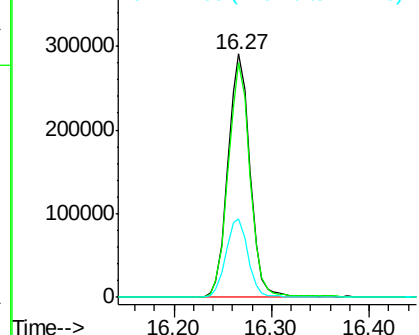
#41  
 2,4,6-Tribromophenol  
 Concen: 153.781 ng  
 RT: 16.27 min Scan# 2209  
 Delta R.T. -0.01 min  
 Lab File: BG030561.D  
 Acq: 29 Oct 2017 14:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-102617-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 77.0  | 115.6 |
| 141     | 32.7  | 25.2  | 37.8  |

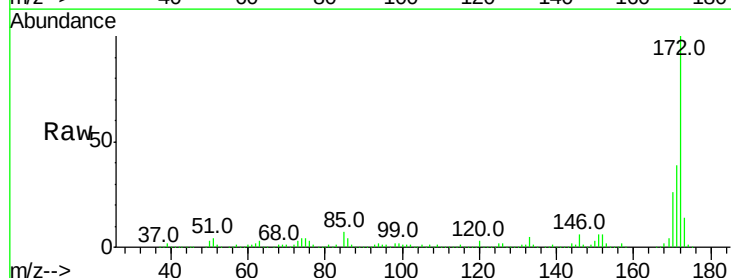


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

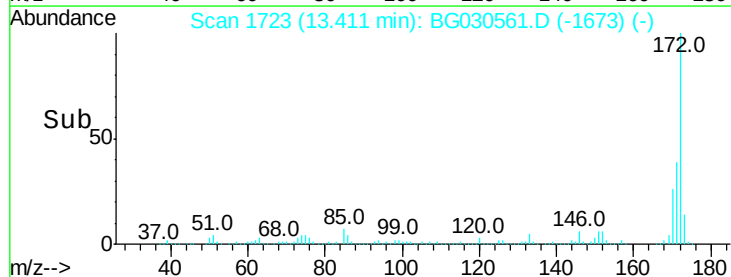
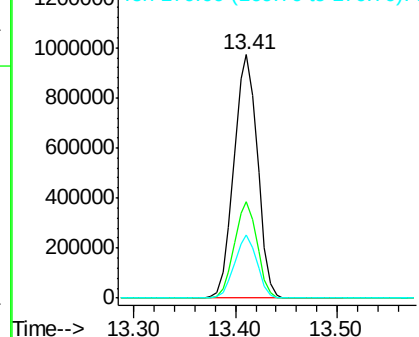


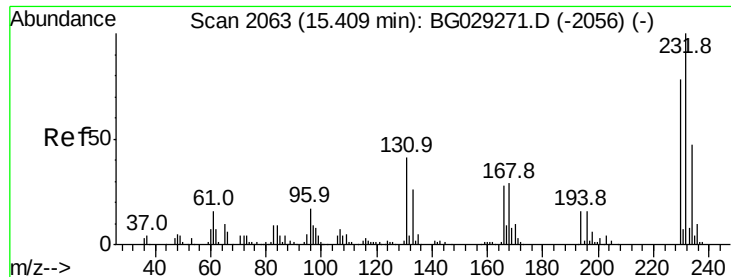
#44  
 2-Fluorobiphenyl  
 Concen: 99.686 ng  
 RT: 13.41 min Scan# 1723  
 Delta R.T. -0.01 min  
 Lab File: BG030561.D  
 Acq: 29 Oct 2017 14:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.4  | 30.0  | 45.0  |
| 170     | 25.7  | 19.5  | 29.3  |



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

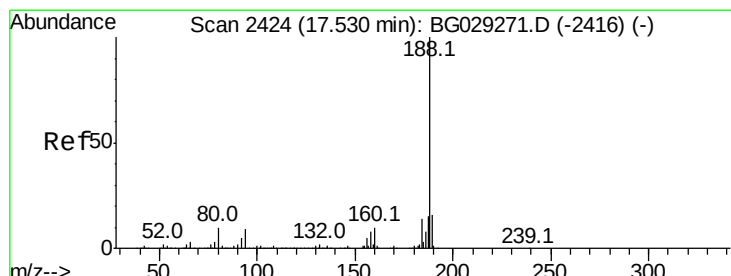
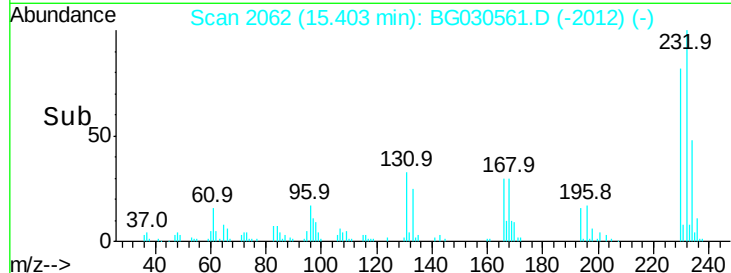
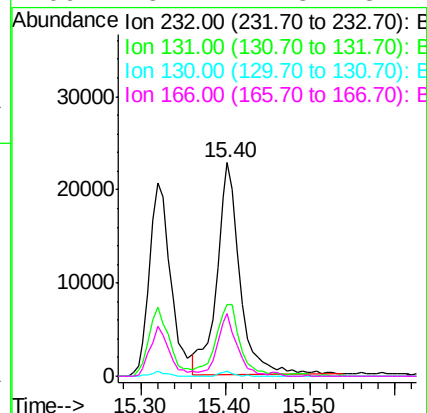
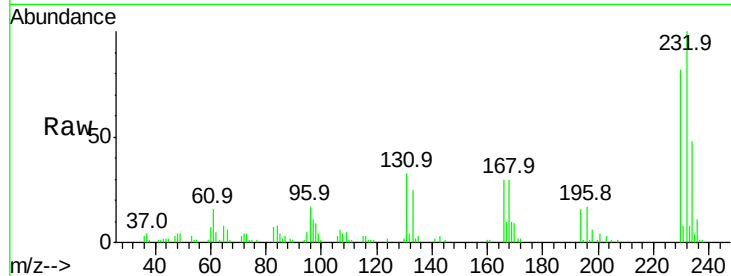




#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 9.724 ng  
 RT: 15.40 min Scan# 2062  
 Delta R.T. -0.01 min  
 Lab File: BG030561.D  
 Acq: 29 Oct 2017 14:42

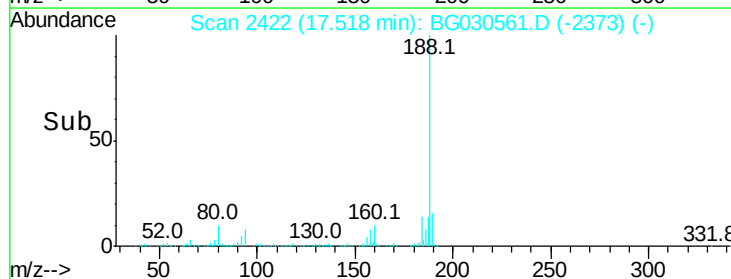
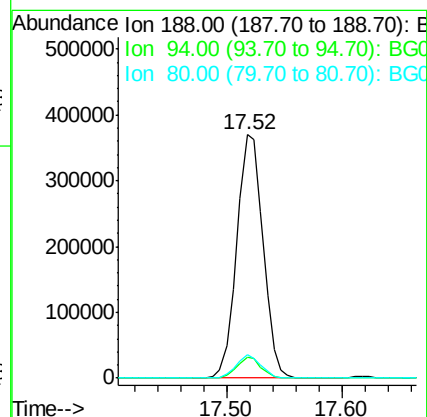
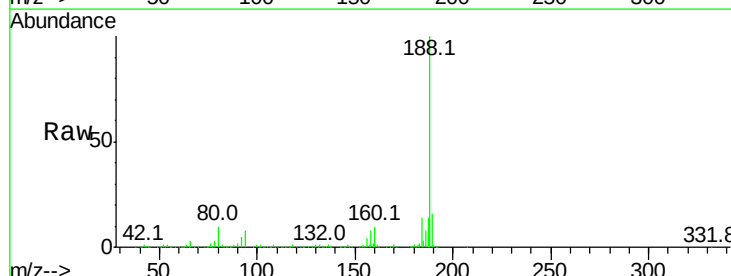
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-102617-A

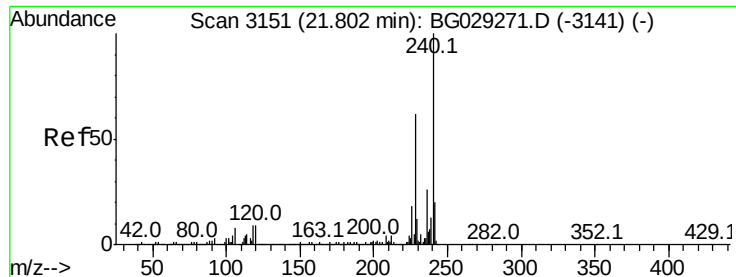
Tot Ion:232 Resp: 43980  
 Ion Ratio Lower Upper  
 232 100  
 131 36.3 33.5 50.3  
 130 1.4 2.2 3.2#  
 166 25.1 24.8 37.2



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.52 min Scan# 2422  
 Delta R.T. -0.01 min  
 Lab File: BG030561.D  
 Acq: 29 Oct 2017 14:42

Tgt Ion:188 Resp: 581658  
 Ion Ratio Lower Upper  
 188 100  
 94 8.4 6.9 10.3  
 80 9.5 7.7 11.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG030561.D

Acq: 29 Oct 2017 14:42

Instrument :

BNA\_G

ClientSampleId :

CL-01-102617-A

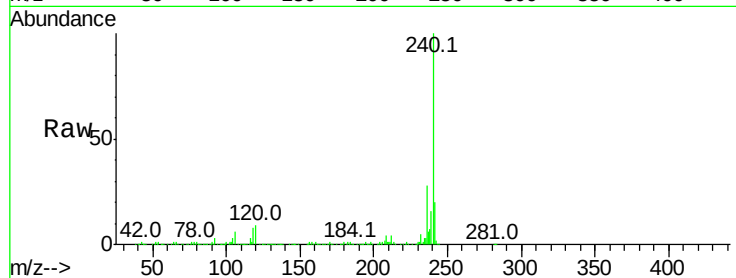
Tot Ion:240 Resp: 620468

Ion Ratio Lower Upper

240 100

120 8.7 6.8 10.2

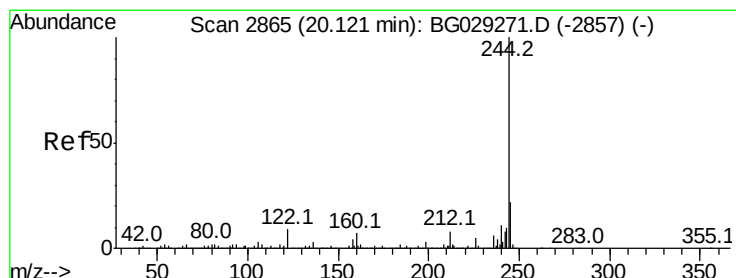
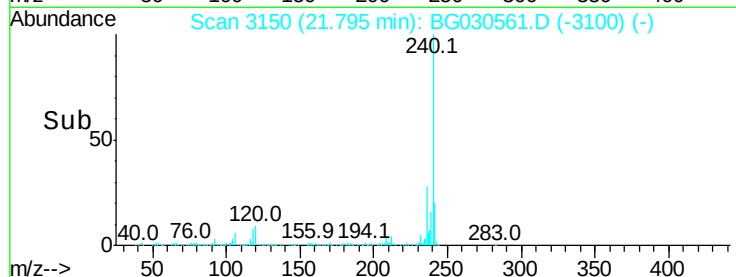
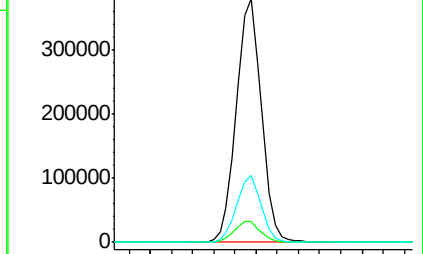
236 27.7 20.9 31.3



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



#78

Terphenyl-d14

Concen: 92.098 ng

RT: 20.11 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG030561.D

Acq: 29 Oct 2017 14:42

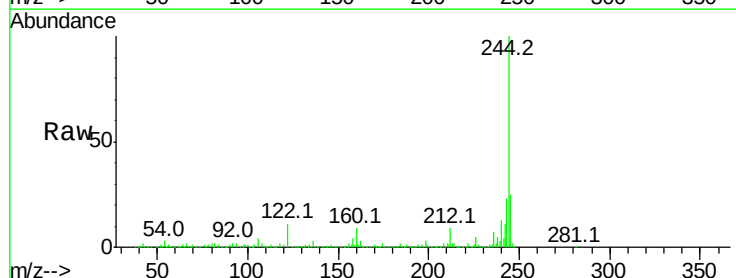
Tgt Ion:244 Resp: 2511907

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

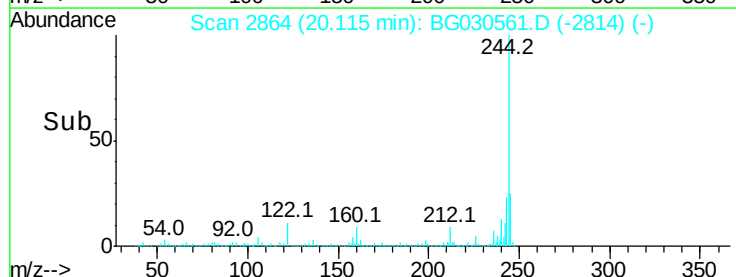
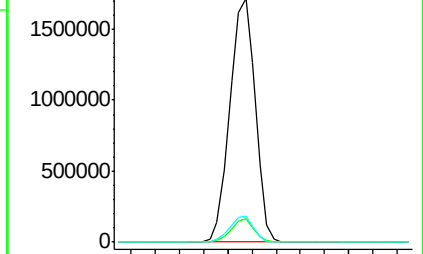
122 10.6 7.0 10.4#



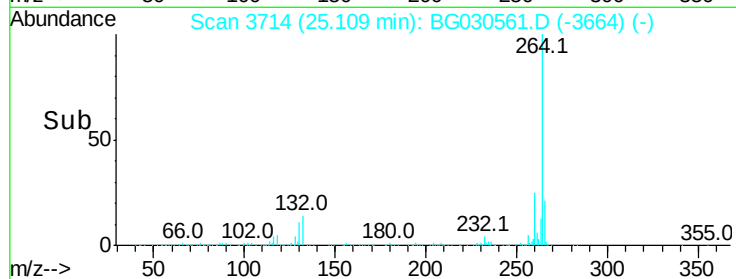
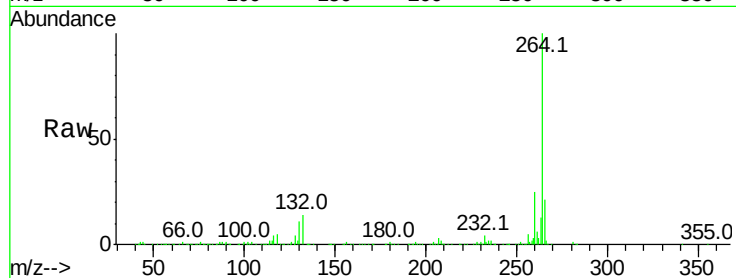
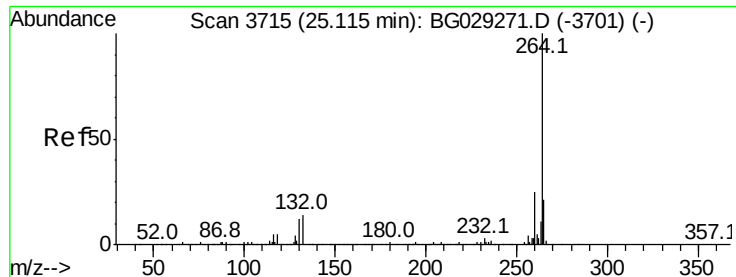
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.11 min Scan# 3714  
Delta R.T. -0.01 min  
Lab File: BG030561.D  
Acq: 29 Oct 2017 14:42

Instrument :  
BNA\_G  
ClientSampleId :  
CL-01-102617-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 17.4  | 26.0  |
| 265     | 21.0  | 17.7  | 26.5  |

