

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071816\  
 Data File : BG023166.D  
 Acq On : 18 Jul 2016 19:55  
 Operator : UM/SJ  
 Sample : H4044-19  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 M9-B5(6-12)C

Quant Time: Jul 19 01:05:38 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 12 18:30:58 2016  
 Response via : Initial Calibration

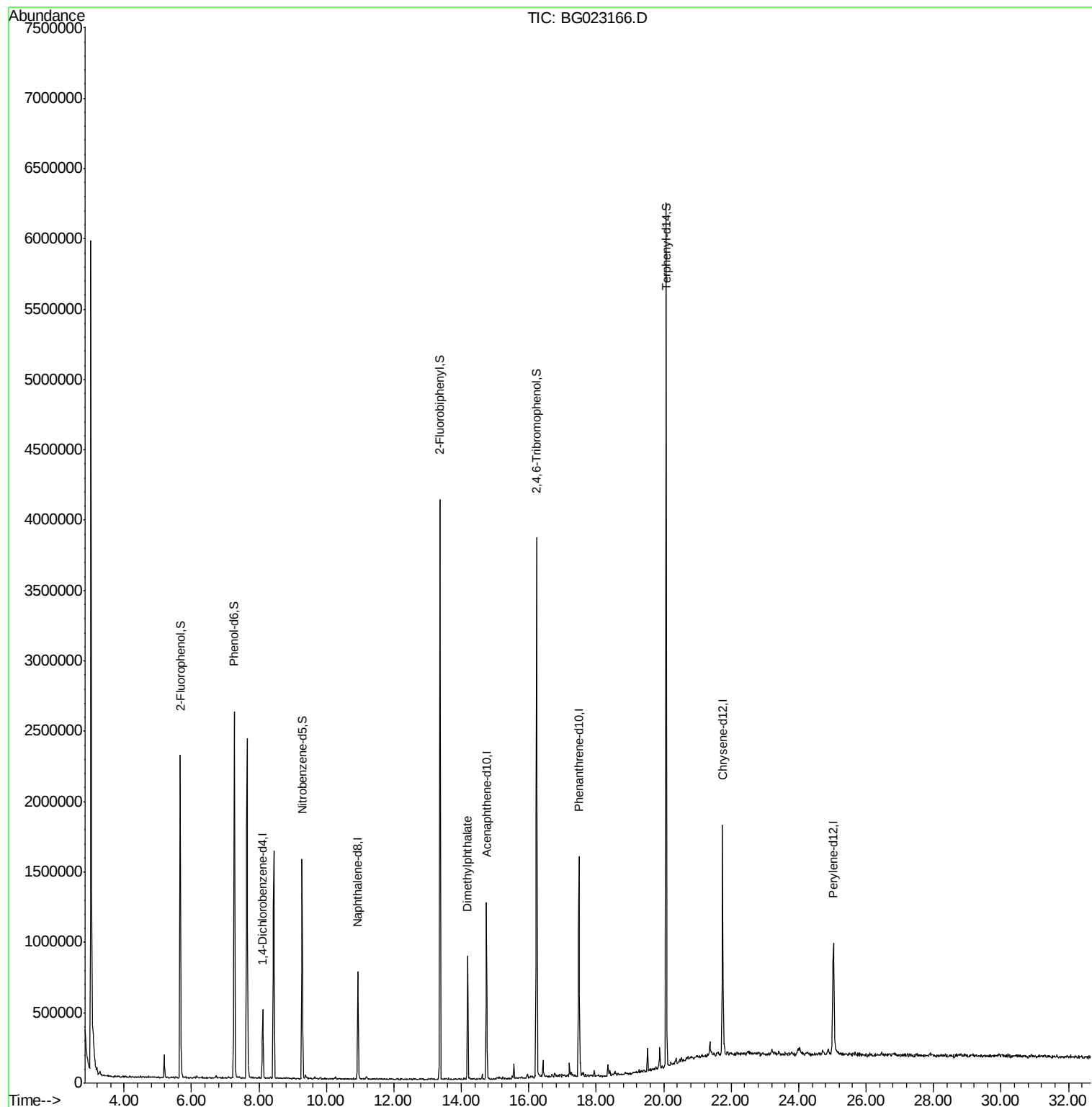
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 124344   | 20.00  | ng    | -0.04        |
| 21) Naphthalene-d8          | 10.93 | 136  | 589157   | 20.00  | ng    | -0.04        |
| 38) Acenaphthene-d10        | 14.74 | 164  | 440625   | 20.00  | ng    | -0.06        |
| 63) Phenanthrene-d10        | 17.49 | 188  | 957733   | 20.00  | ng    | -0.07        |
| 75) Chrysene-d12            | 21.75 | 240  | 957583   | 20.00  | ng    | -0.10        |
| 86) Perylene-d12            | 25.03 | 264  | 953869   | 20.00  | ng    | -0.15        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.66  | 112  | 895987   | 117.85 | ng    | -0.03        |
| 7) Phenol-d6                | 7.27  | 99   | 1409719  | 118.39 | ng    | -0.04        |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 1062011  | 77.19  | ng    | -0.05        |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 659346   | 83.26  | ng    | -0.07        |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 1926970  | 68.88  | ng    | -0.05        |
| 78) Terphenyl-d14           | 20.07 | 244  | 2348333  | 74.04  | ng    | -0.08        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.18 | 163  | 533869   | 14.83  | ng    | Qvalue<br>99 |

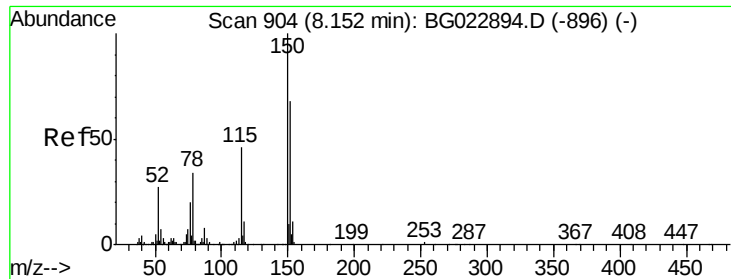
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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BNA\_G  
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M9-B5(6-12)C

Quant Time: Jul 19 01:05:38 2016  
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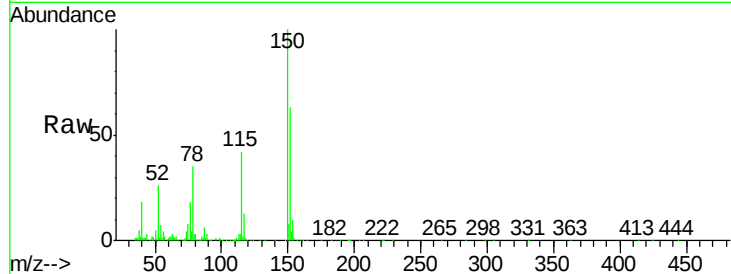


#1

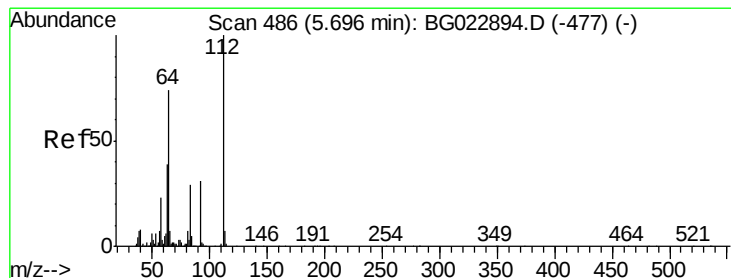
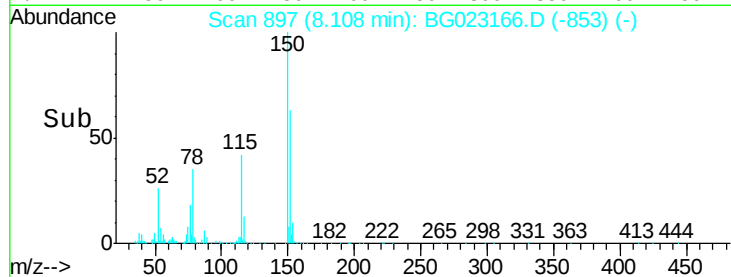
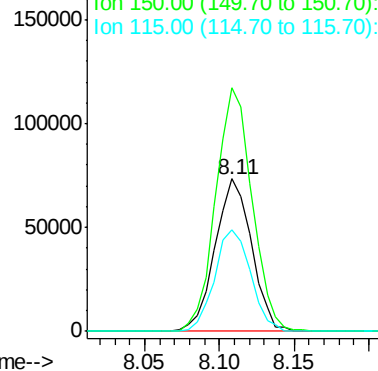
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.11 min Scan# 897  
Delta R.T. -0.04 min  
Lab File: BG023166.D  
Acq: 18 Jul 2016 19:55

Instrument :  
BNA\_G  
ClientSampleId :  
M9-B5(6-12)C

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.5 | 144.7 | 217.1 |
| 115     | 66.4  | 64.0  | 96.0  |



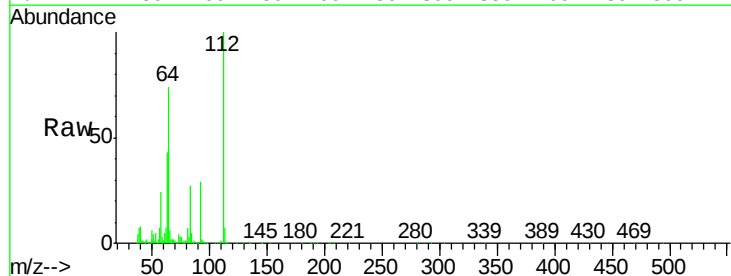
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



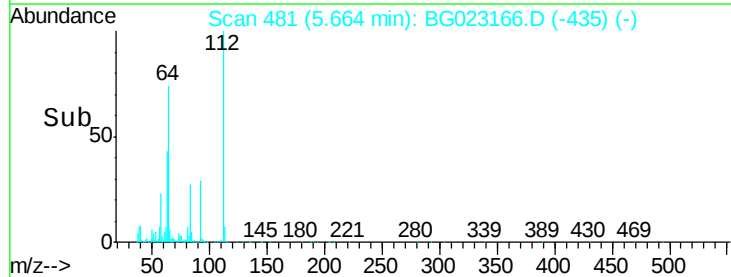
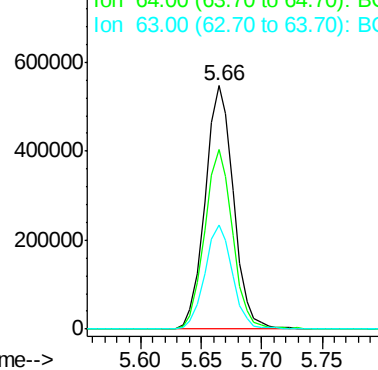
#5

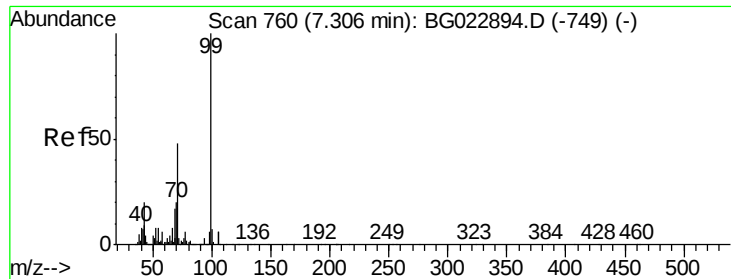
2-Fluorophenol  
Concen: 117.85 ng  
RT: 5.66 min Scan# 481  
Delta R.T. -0.03 min  
Lab File: BG023166.D  
Acq: 18 Jul 2016 19:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 74.0  | 59.0  | 88.4  |
| 63      | 42.7  | 37.8  | 56.8  |



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: 118.39 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.04 min

Lab File: BG023166.D

Acq: 18 Jul 2016 19:55

Instrument :

BNA\_G

ClientSampleId :

M9-B5(6-12)C

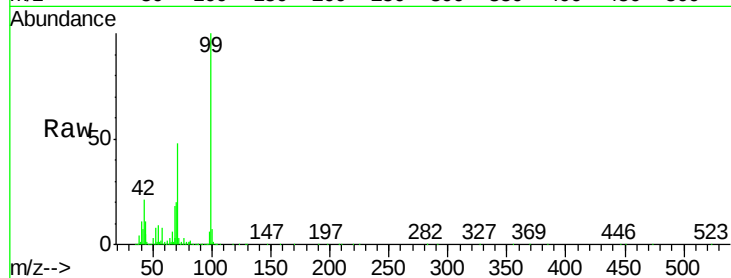
Tgt Ion: 99 Resp: 1409719

Ion Ratio Lower Upper

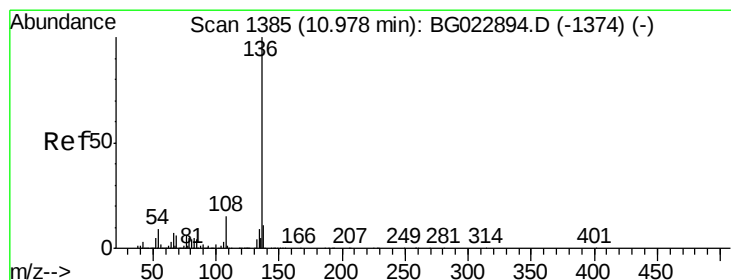
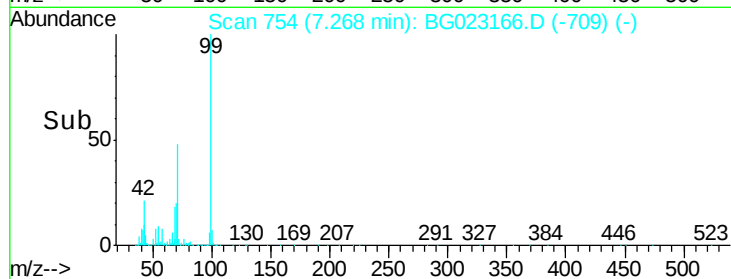
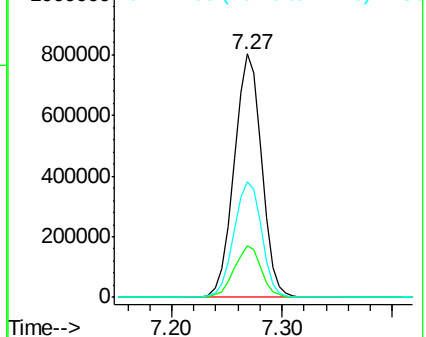
99 100

42 21.4 17.8 26.6

71 47.5 41.5 62.3



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: 20.00 ng

RT: 10.93 min Scan# 1378

Delta R.T. -0.04 min

Lab File: BG023166.D

Acq: 18 Jul 2016 19:55

Tgt Ion: 136 Resp: 589157

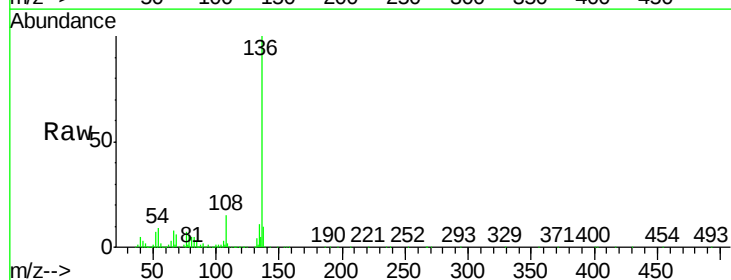
Ion Ratio Lower Upper

136 100

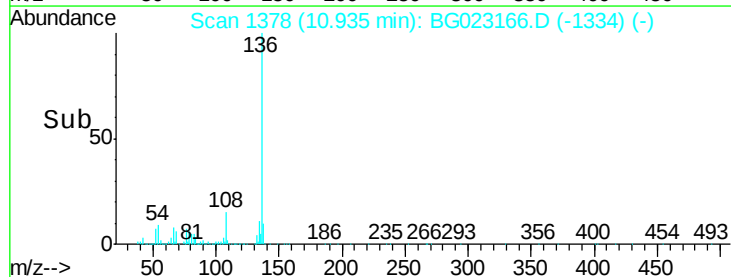
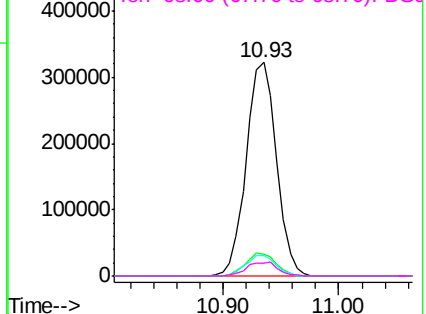
137 10.4 9.6 14.4

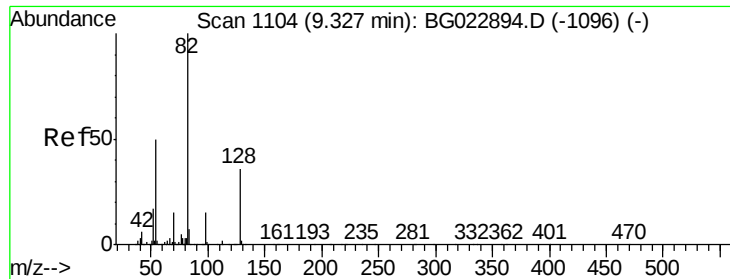
54 9.4 7.3 10.9

68 6.3 5.3 7.9



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

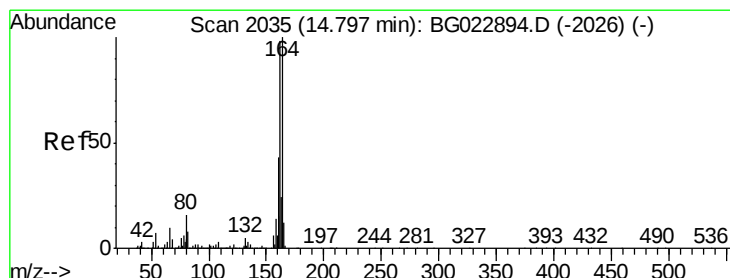
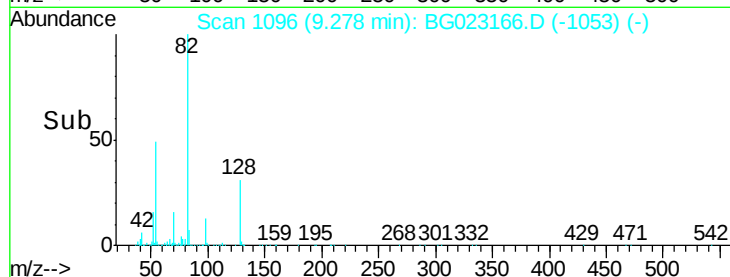
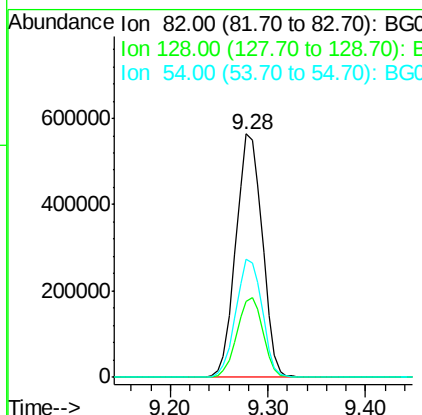
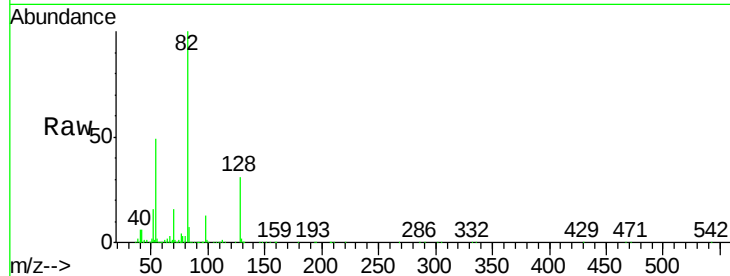




#23  
 Nitrobenzene-d5  
 Concen: 77.19 ng  
 RT: 9.28 min Scan# 1096  
 Delta R.T. -0.05 min  
 Lab File: BG023166.D  
 Acq: 18 Jul 2016 19:55

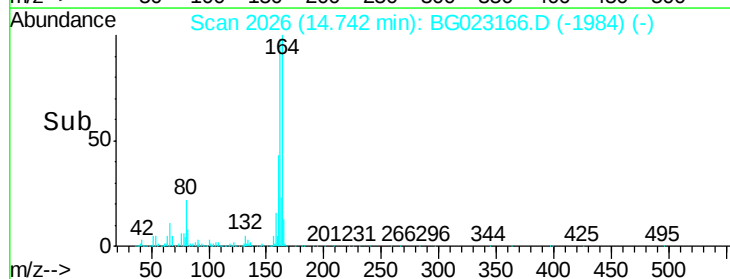
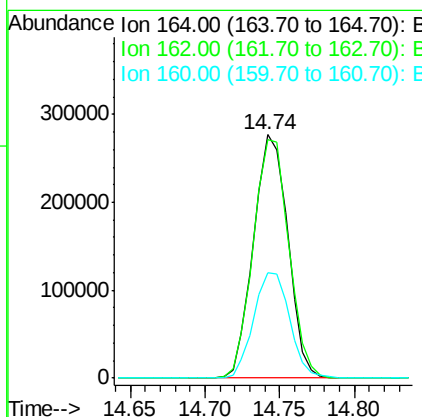
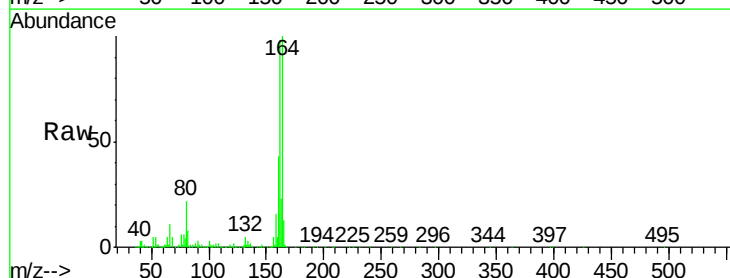
Instrument :  
 BNA\_G  
 ClientSampleId :  
 M9-B5(6-12)C

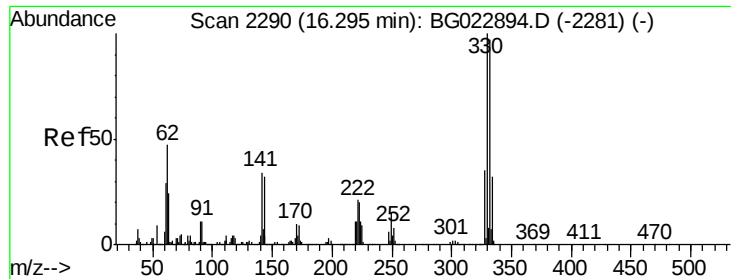
Tgt Ion: 82 Resp: 1062011  
 Ion Ratio Lower Upper  
 82 100  
 128 31.4 24.4 36.6  
 54 48.8 41.4 62.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.74 min Scan# 2026  
 Delta R.T. -0.06 min  
 Lab File: BG023166.D  
 Acq: 18 Jul 2016 19:55

Tgt Ion: 164 Resp: 440625  
 Ion Ratio Lower Upper  
 164 100  
 162 98.1 87.7 131.5  
 160 43.4 37.2 55.8





#41

2,4,6-Tribromophenol

Concen: 83.26 ng

RT: 16.23 min Scan# 2279

Delta R.T. -0.07 min

Lab File: BG023166.D

Acq: 18 Jul 2016 19:55

Instrument :

BNA\_G

ClientSampleId :

M9-B5(6-12)C

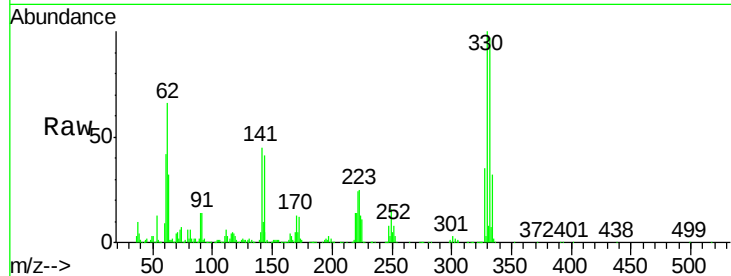
Tgt Ion:330 Resp: 659346

Ion Ratio Lower Upper

330 100

332 94.3 77.4 116.2

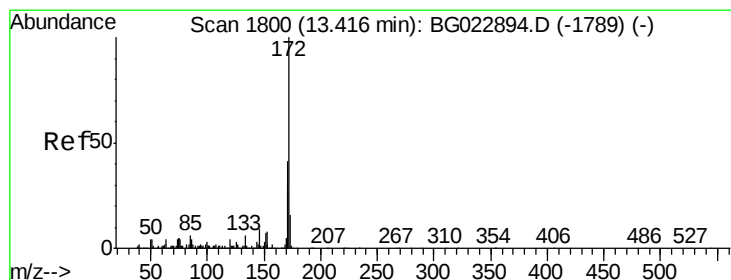
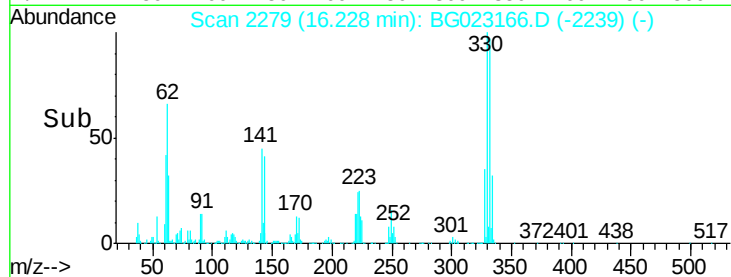
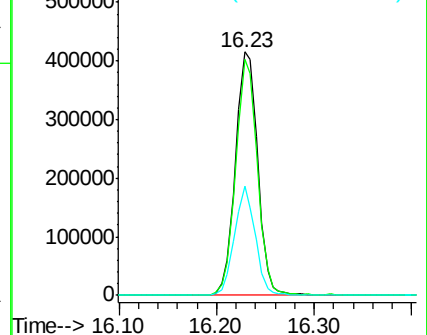
141 41.4 31.7 47.5



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: 68.88 ng

RT: 13.37 min Scan# 1792

Delta R.T. -0.05 min

Lab File: BG023166.D

Acq: 18 Jul 2016 19:55

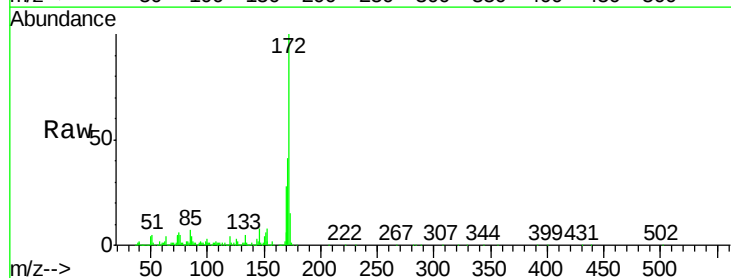
Tgt Ion:172 Resp: 1926970

Ion Ratio Lower Upper

172 100

171 40.7 31.6 47.4

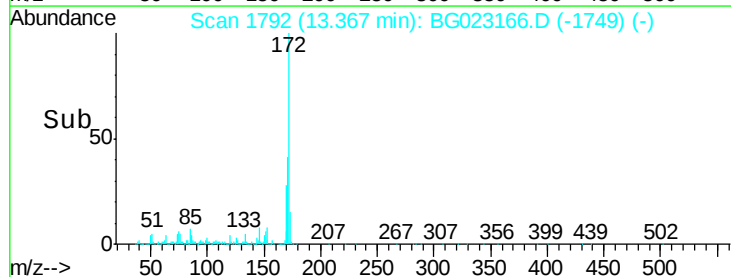
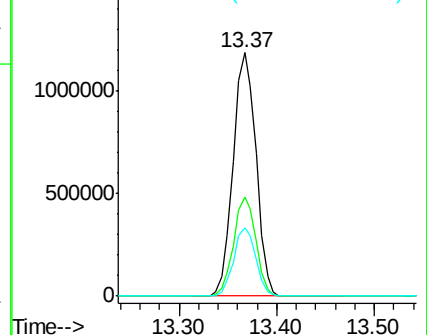
170 28.2 21.3 31.9

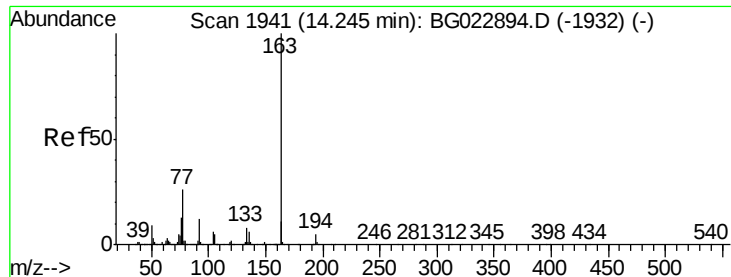


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 14.83 ng

RT: 14.18 min Scan# 1931

Delta R.T. -0.06 min

Lab File: BG023166.D

Acq: 18 Jul 2016 19:55

Instrument :

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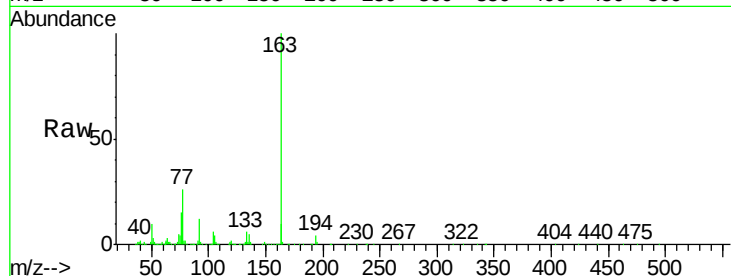
Tgt Ion:163 Resp: 533869

Ion Ratio Lower Upper

163 100

194 4.0 3.6 5.4

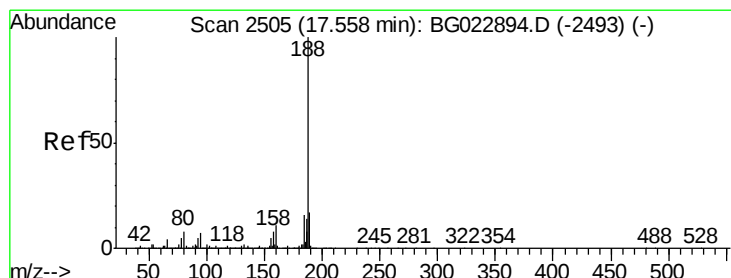
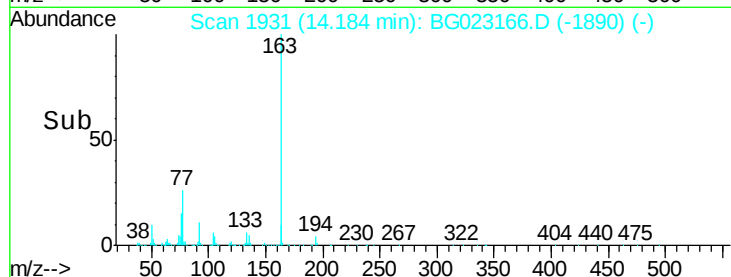
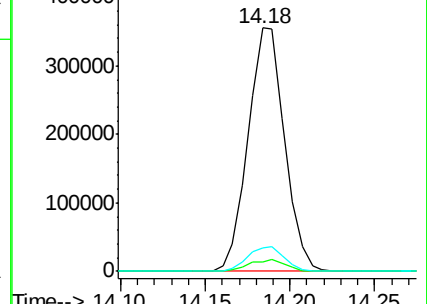
164 9.8 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2493

Delta R.T. -0.07 min

Lab File: BG023166.D

Acq: 18 Jul 2016 19:55

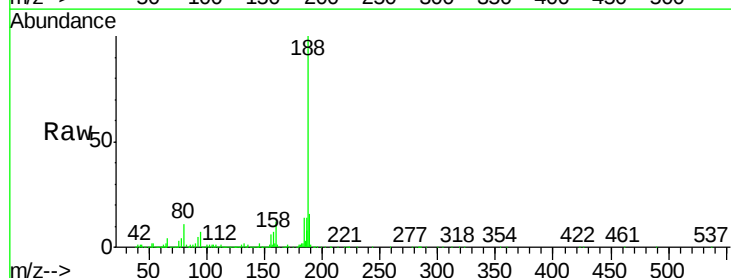
Tgt Ion:188 Resp: 957733

Ion Ratio Lower Upper

188 100

94 7.3 5.2 7.8

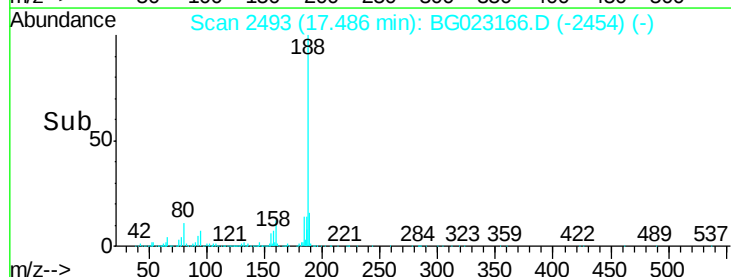
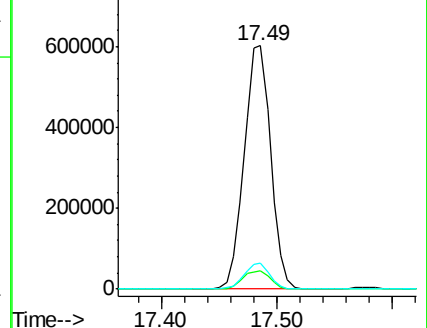
80 10.7 7.2 10.8

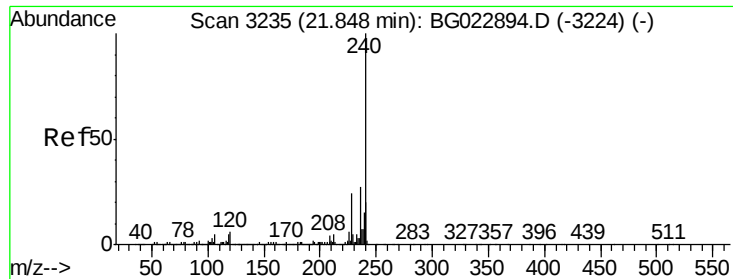


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.75 min Scan# 3218

Delta R.T. -0.10 min

Lab File: BG023166.D

Acq: 18 Jul 2016 19:55

Instrument :

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ClientSampleId :

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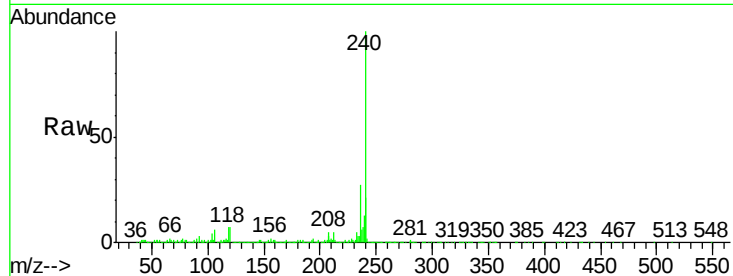
Tgt Ion:240 Resp: 957583

Ion Ratio Lower Upper

240 100

120 7.5 4.1 6.1#

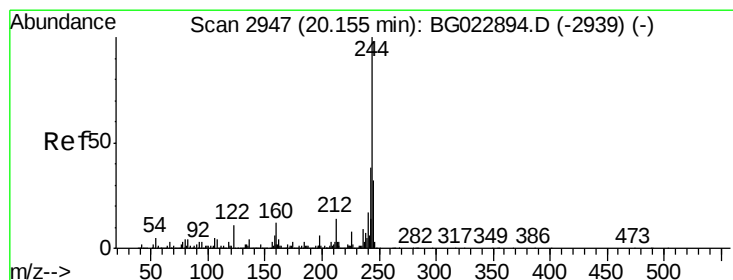
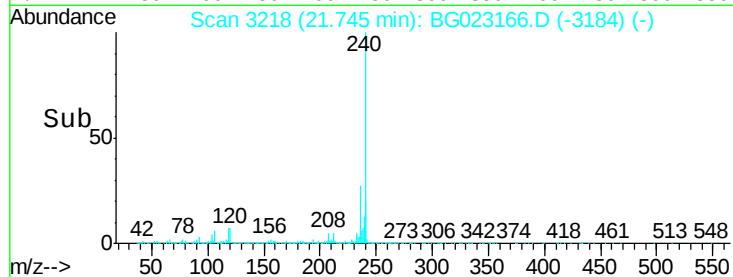
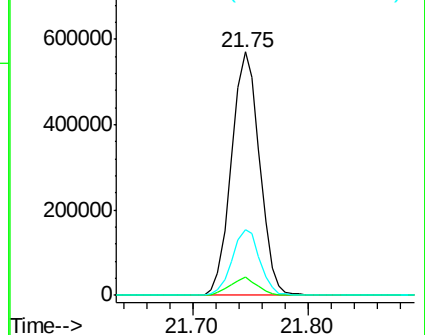
236 27.1 21.1 31.7



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: 74.04 ng

RT: 20.07 min Scan# 2933

Delta R.T. -0.08 min

Lab File: BG023166.D

Acq: 18 Jul 2016 19:55

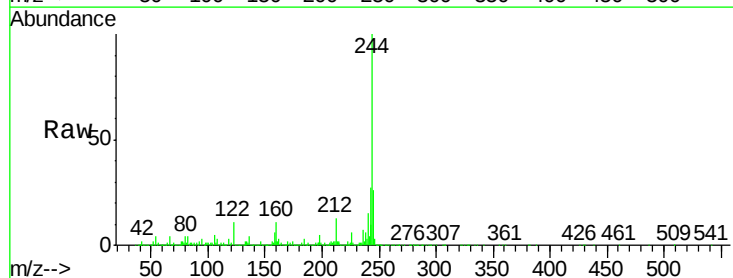
Tgt Ion:244 Resp: 2348333

Ion Ratio Lower Upper

244 100

212 12.8 10.8 16.2

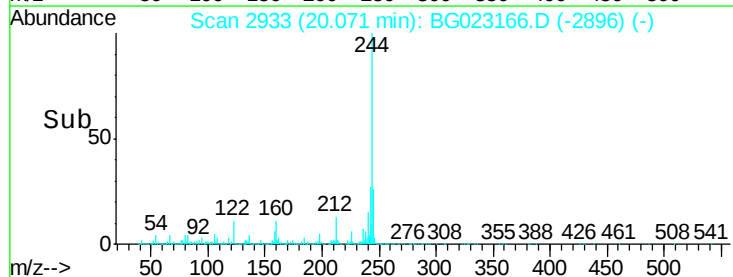
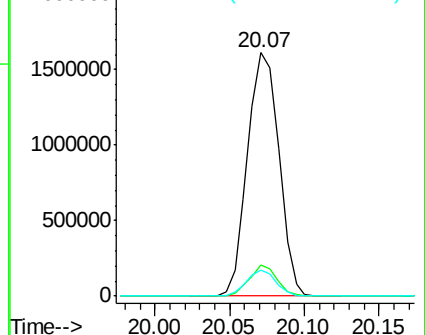
122 10.7 8.0 12.0

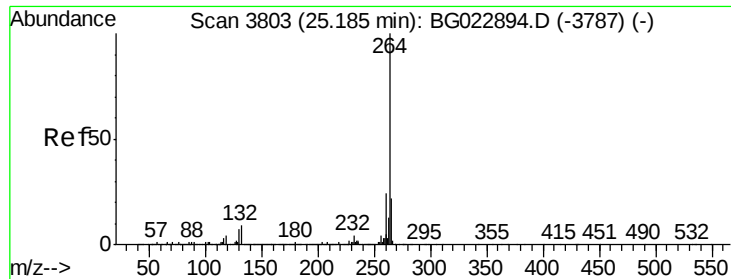


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 25.03 min Scan# 3777

Delta R.T. -0.15 min

Lab File: BG023166.D

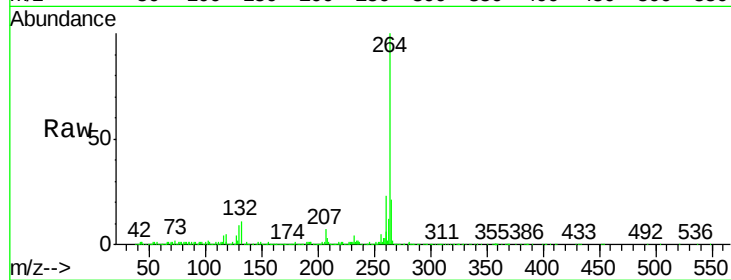
Acq: 18 Jul 2016 19:55

Instrument :

BNA\_G

ClientSampleId :

M9-B5(6-12)C



Tgt Ion: 264 Resp: 953869

Ion Ratio Lower Upper

264 100

260 23.2 18.4 27.6

265 20.9 18.9 28.3

