

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\  
 Data File : BF097328.D  
 Acq On : 3 Aug 2017 20:35  
 Operator : SJ/JU  
 Sample : I4559-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-02-008-A

Quant Time: Aug 04 01:48:37 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 14:11:51 2017  
 Response via : Initial Calibration

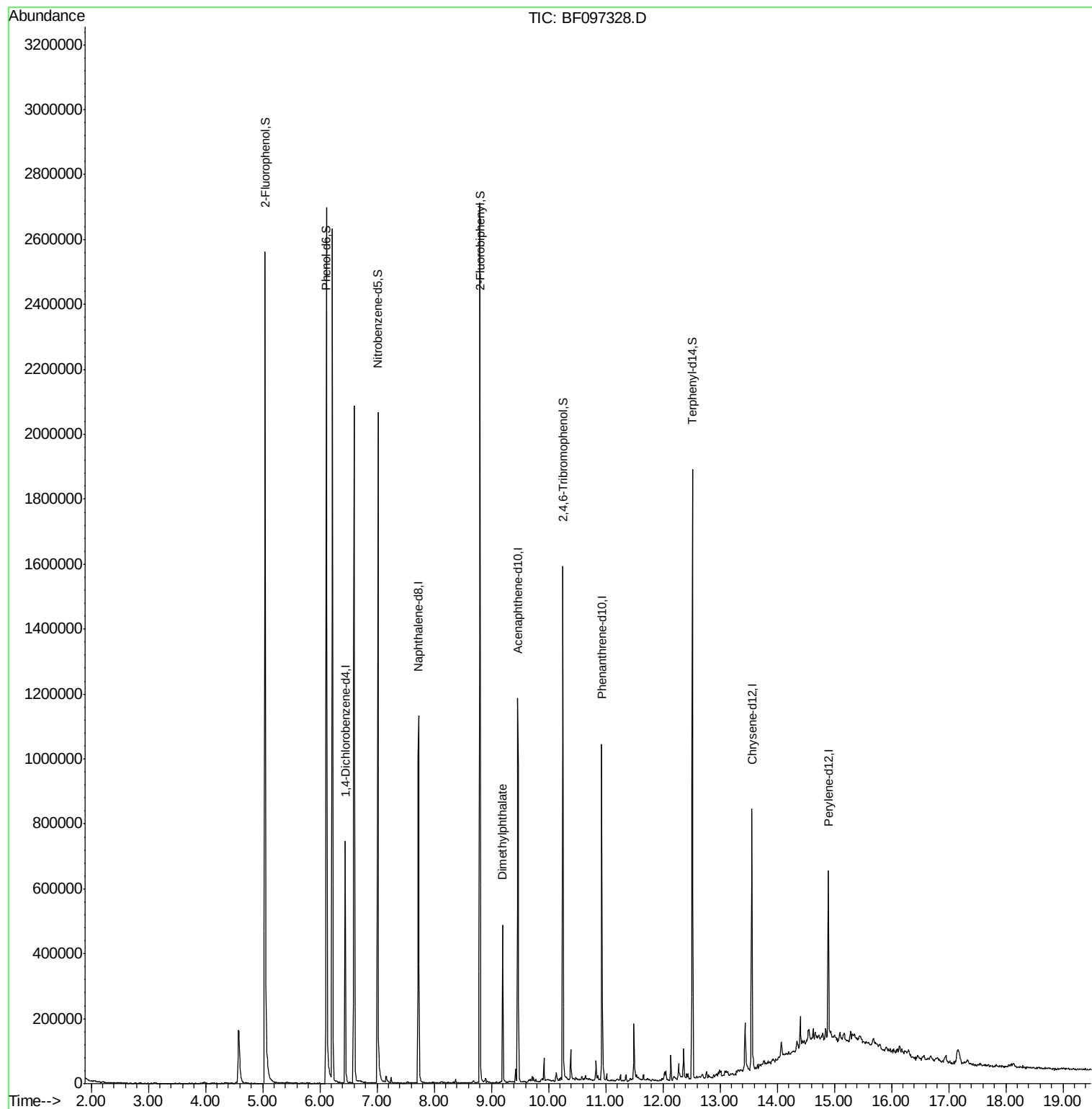
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.45  | 152  | 114782   | 20.00  | ng    | -0.05         |
| 21) Naphthalene-d8          | 7.73  | 136  | 516708   | 20.00  | ng    | -0.06         |
| 38) Acenaphthene-d10        | 9.46  | 164  | 224293   | 20.00  | ng    | -0.07         |
| 63) Phenanthrene-d10        | 10.93 | 188  | 361766   | 20.00  | ng    | -0.07         |
| 75) Chrysene-d12            | 13.56 | 240  | 245625   | 20.00  | ng    | -0.07         |
| 86) Perylene-d12            | 14.90 | 264  | 211580   | 20.00  | ng    | -0.08         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.04  | 112  | 800099   | 105.08 | ng    | -0.06         |
| 7) Phenol-d6                | 6.12  | 99   | 1003941  | 115.50 | ng    | -0.05         |
| 23) Nitrobenzene-d5         | 7.02  | 82   | 627273   | 71.22  | ng    | -0.06         |
| 41) 2,4,6-Tribromophenol    | 10.25 | 330  | 175092   | 98.80  | ng    | -0.07         |
| 44) 2-Fluorobiphenyl        | 8.80  | 172  | 901455   | 68.21  | ng    | -0.06         |
| 78) Terphenyl-d14           | 12.52 | 244  | 593452   | 49.26  | ng    | -0.06         |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 9.20  | 163  | 182738   | 10.729 | ng    | Qvalue<br>100 |

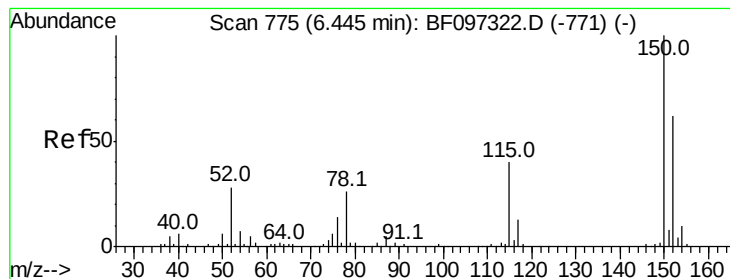
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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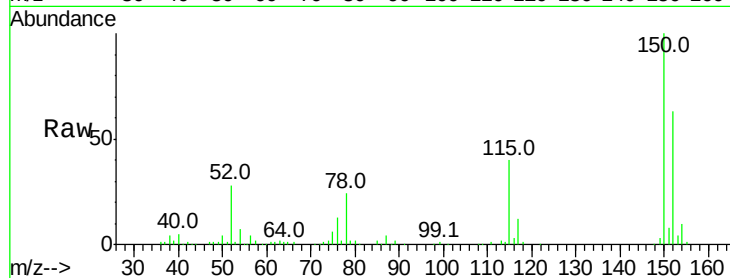


#1

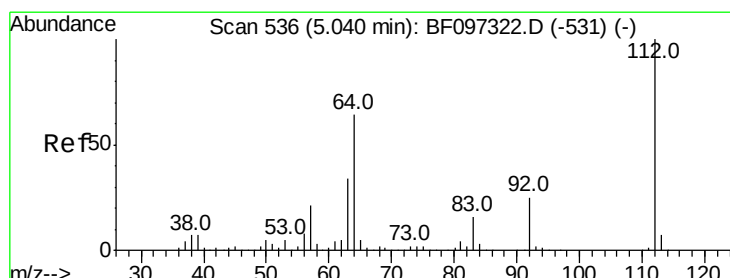
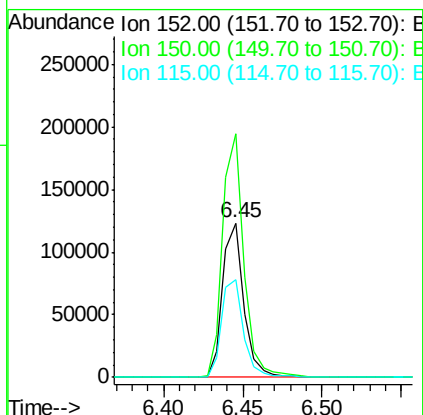
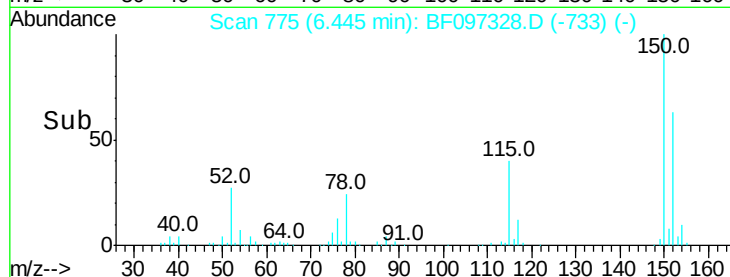
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.45 min Scan# 775  
 Delta R.T. -0.05 min  
 Lab File: BF097328.D  
 Acq: 3 Aug 2017 20:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-02-008-A

Tot Ion:152 Resp: 114782  
 Ion Ratio Lower Upper  
 152 100  
 150 158.0 126.2 189.2  
 115 63.3 52.2 78.2



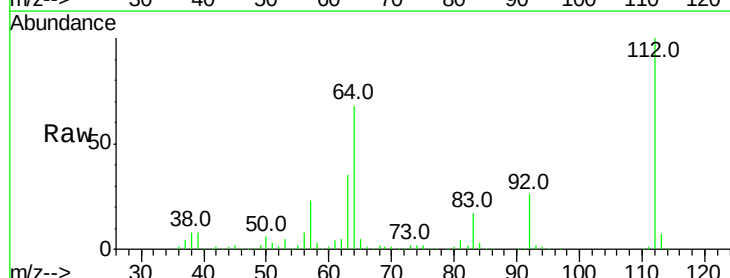
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



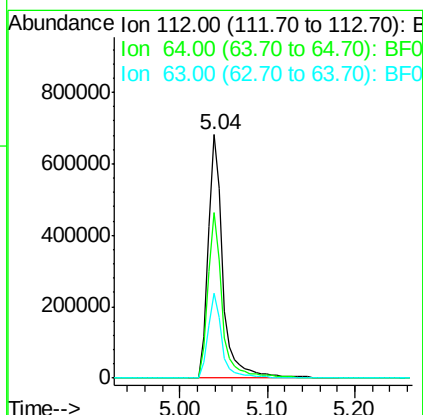
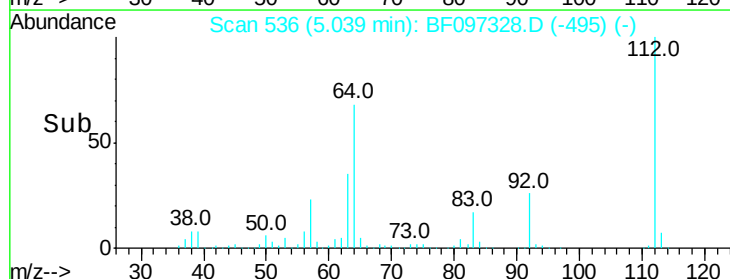
#5

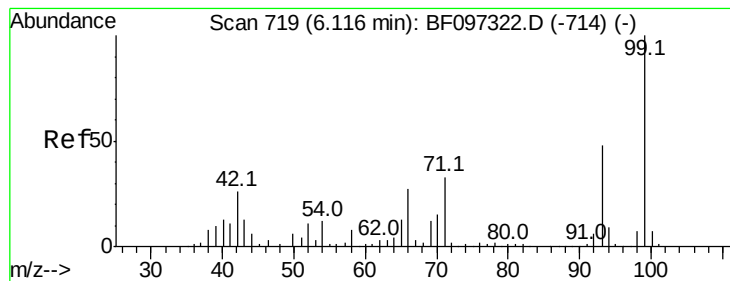
2-Fluorophenol  
 Concen: 105.081 ng  
 RT: 5.04 min Scan# 536  
 Delta R.T. -0.06 min  
 Lab File: BF097328.D  
 Acq: 3 Aug 2017 20:35

Tgt Ion:112 Resp: 800099  
 Ion Ratio Lower Upper  
 112 100  
 64 67.9 46.0 69.0  
 63 34.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.496 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097328.D

Acq: 3 Aug 2017 20:35

Instrument :

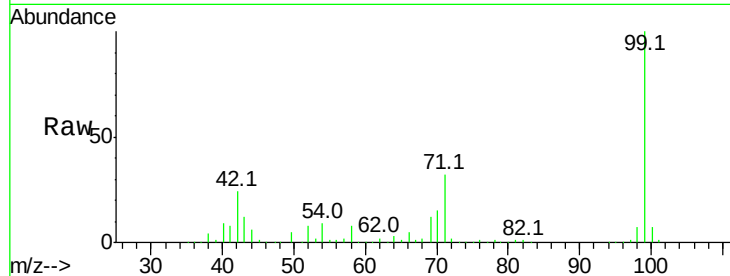
BNA\_F

ClientSampleId :

FK-GF-02-008-A

Tot Ion: 99 Resp: 1003941

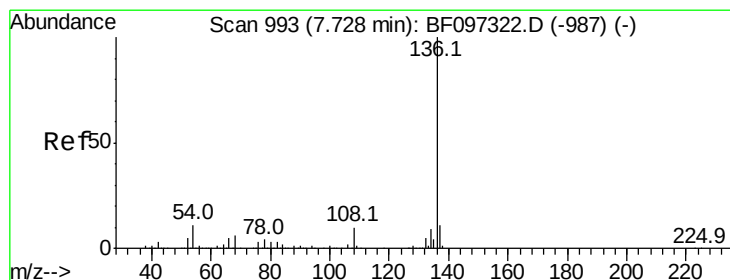
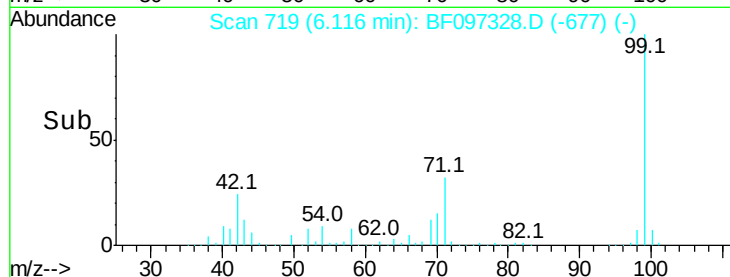
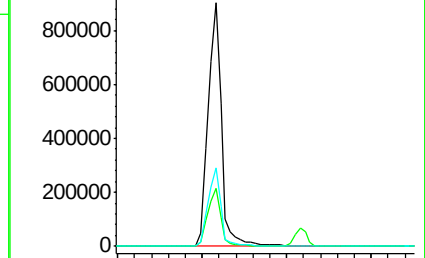
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 24.0  | 13.5  | 20.3# |
| 71  | 32.3  | 24.5  | 36.7  |



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.73 min Scan# 993

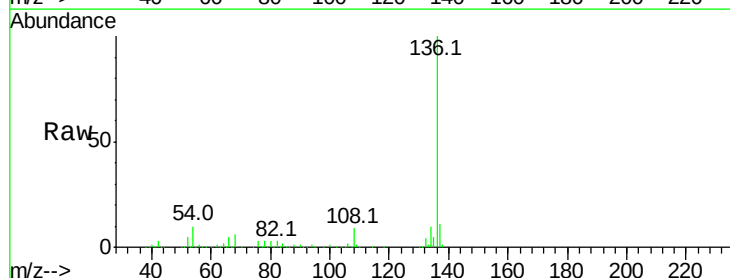
Delta R.T. -0.06 min

Lab File: BF097328.D

Acq: 3 Aug 2017 20:35

Tgt Ion: 136 Resp: 516708

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.5   | 12.7  |
| 54  | 10.2  | 4.9   | 7.3#  |
| 68  | 5.6   | 4.1   | 6.1   |

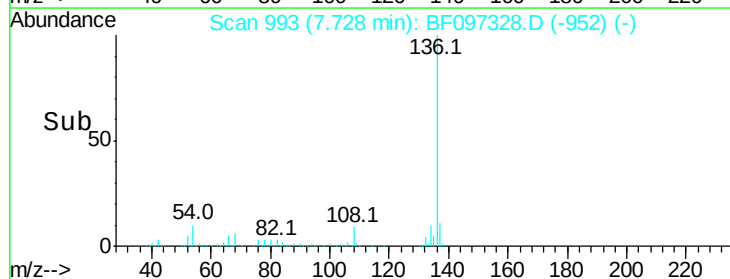
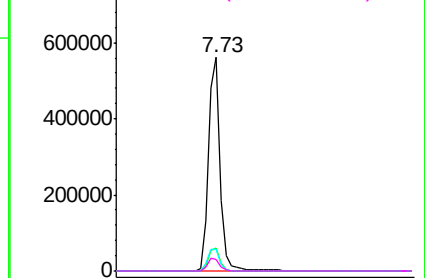


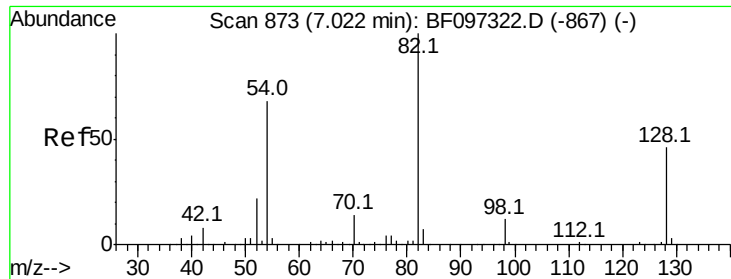
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

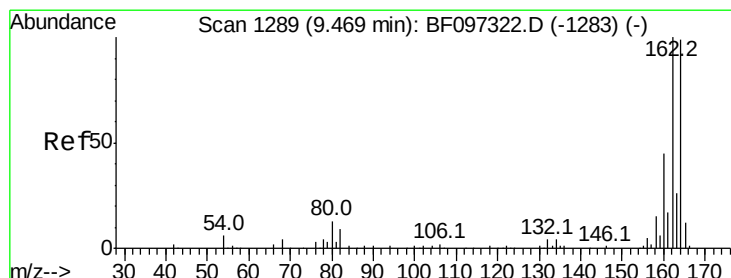
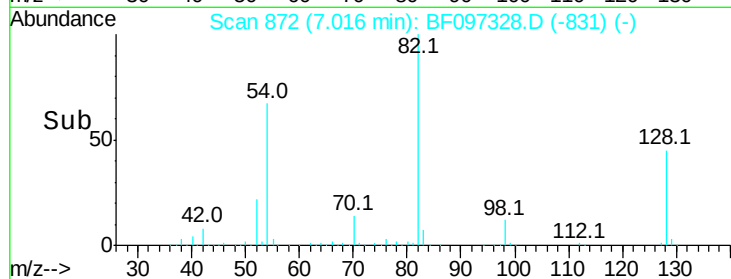
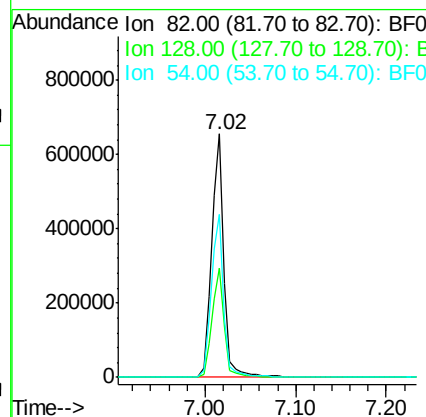
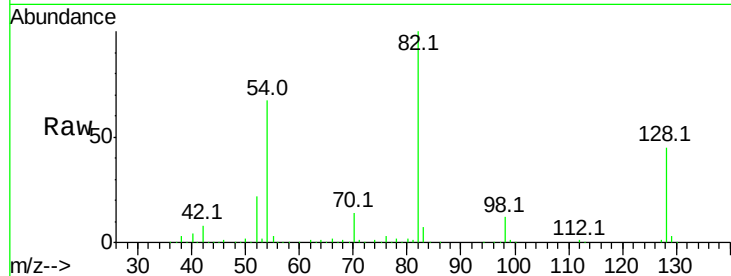




#23  
 Nitrobenzene-d5  
 Concen: 71.217 ng  
 RT: 7.02 min Scan# 872  
 Delta R.T. -0.06 min  
 Lab File: BF097328.D  
 Acq: 3 Aug 2017 20:35

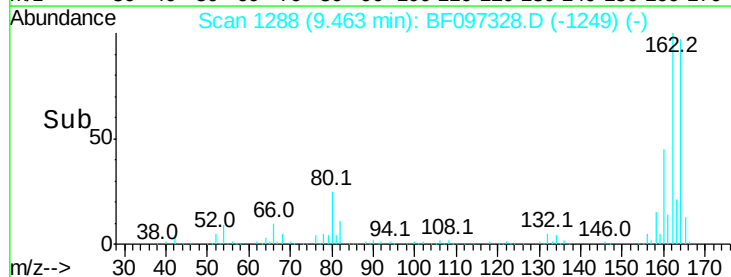
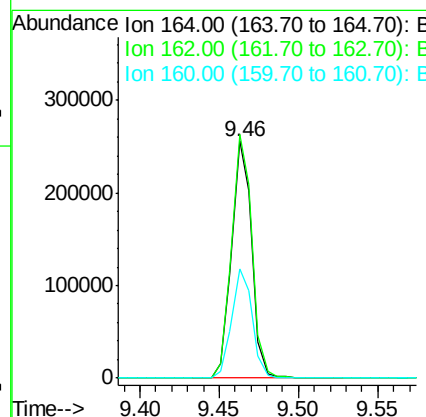
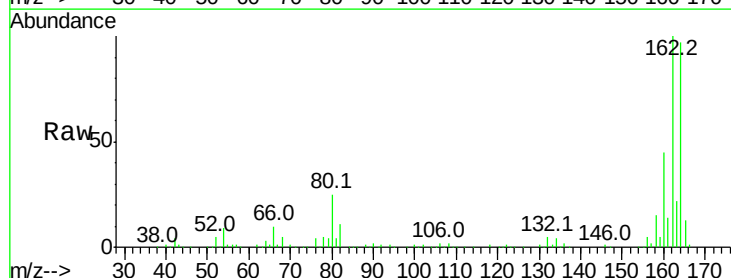
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-02-008-A

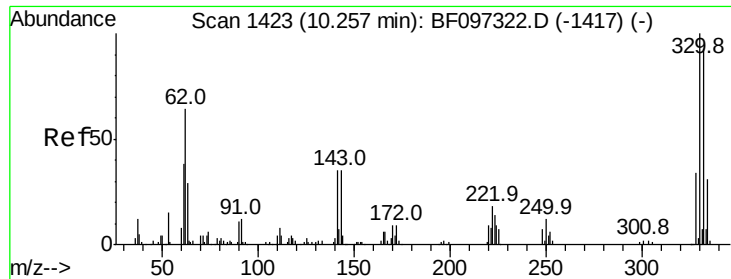
Tot Ion: 82 Resp: 627273  
 Ion Ratio Lower Upper  
 82 100  
 128 45.1 34.0 51.0  
 54 66.9 42.2 63.2#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.46 min Scan# 1288  
 Delta R.T. -0.07 min  
 Lab File: BF097328.D  
 Acq: 3 Aug 2017 20:35

Tgt Ion: 164 Resp: 224293  
 Ion Ratio Lower Upper  
 164 100  
 162 102.8 82.6 123.8  
 160 46.1 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 98.803 ng

RT: 10.25 min Scan# 1422

Delta R.T. -0.07 min

Lab File: BF097328.D

Acq: 3 Aug 2017 20:35

Instrument :

BNA\_F

ClientSampleId :

FK-GF-02-008-A

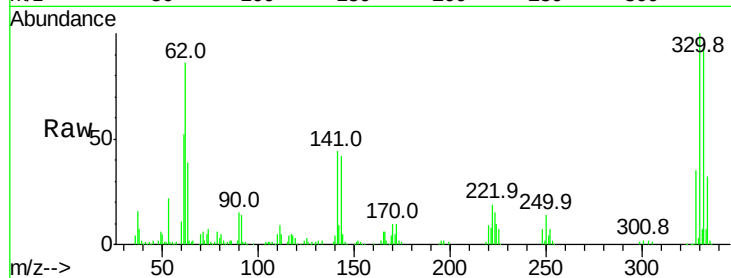
Tot Ion:330 Resp: 175092

Ion Ratio Lower Upper

330 100

332 95.0 76.6 115.0

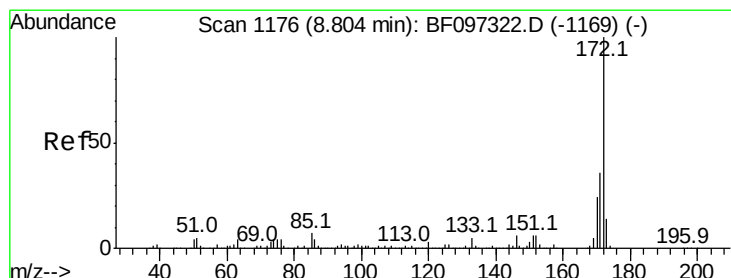
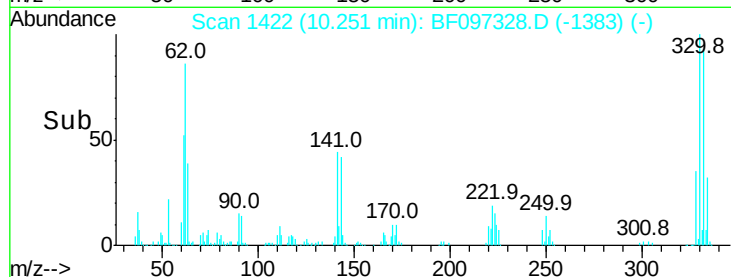
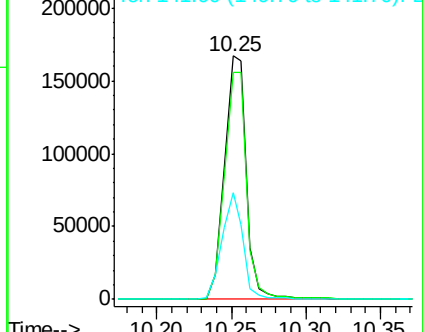
141 42.3 31.4 47.2



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: 68.208 ng

RT: 8.80 min Scan# 1176

Delta R.T. -0.06 min

Lab File: BF097328.D

Acq: 3 Aug 2017 20:35

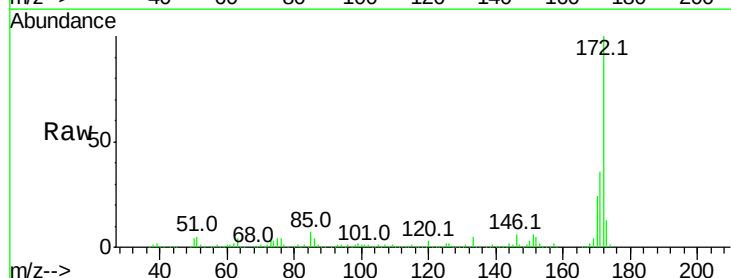
Tgt Ion:172 Resp: 901455

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

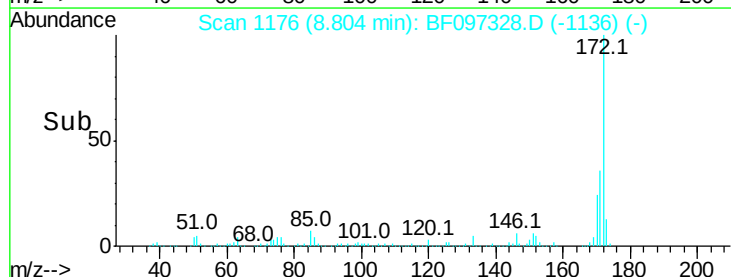
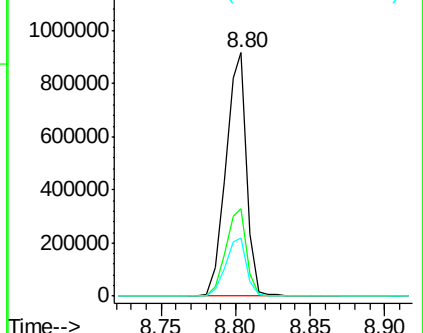
170 23.9 19.8 29.8

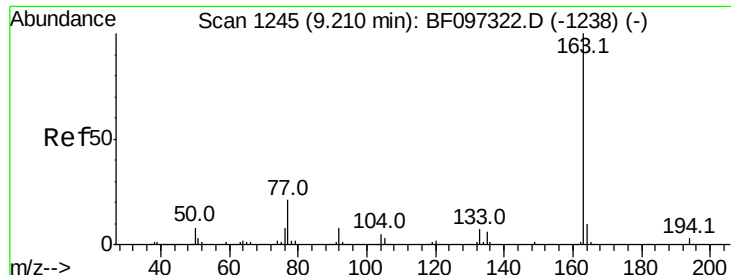


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 10.729 ng

RT: 9.20 min Scan# 1243

Delta R.T. -0.08 min

Lab File: BF097328.D

Acq: 3 Aug 2017 20:35

Instrument :

BNA\_F

ClientSampleId :

FK-GF-02-008-A

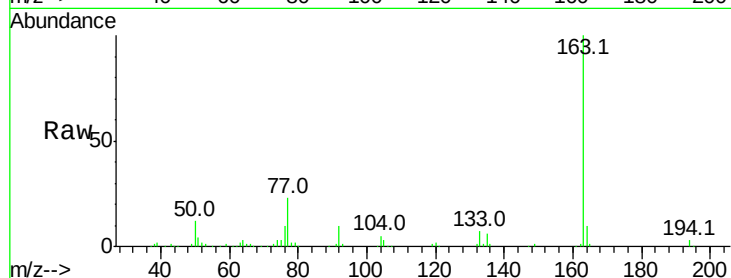
Tot Ion:163 Resp: 182738

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

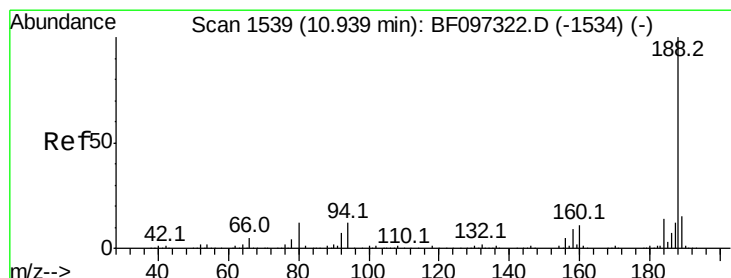
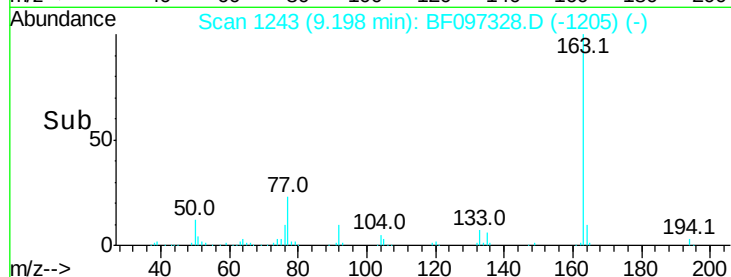
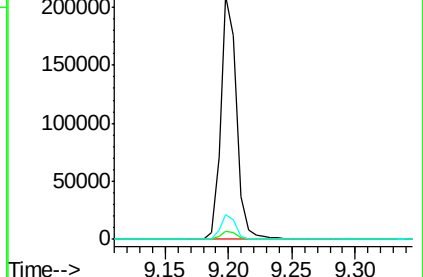
164 10.3 8.4 12.6



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: 20.000 ng

RT: 10.93 min Scan# 1538

Delta R.T. -0.07 min

Lab File: BF097328.D

Acq: 3 Aug 2017 20:35

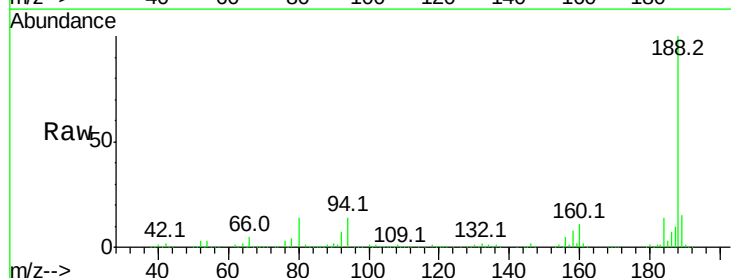
Tgt Ion:188 Resp: 361766

Ion Ratio Lower Upper

188 100

94 14.1 9.4 14.2

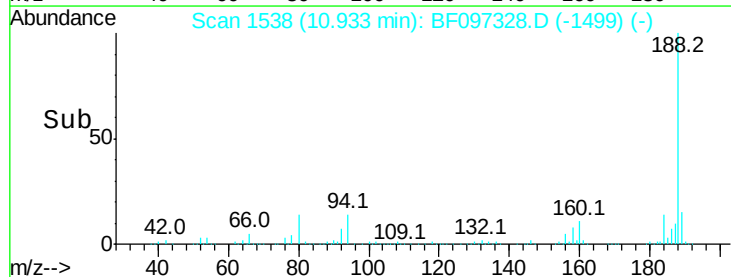
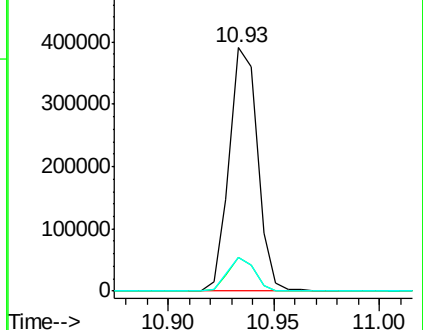
80 13.9 10.2 15.2

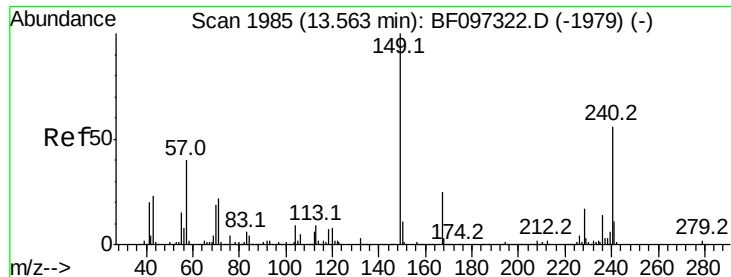


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.56 min Scan# 1984

Delta R.T. -0.07 min

Lab File: BF097328.D

Acq: 3 Aug 2017 20:35

Instrument :

BNA\_F

ClientSampleId :

FK-GF-02-008-A

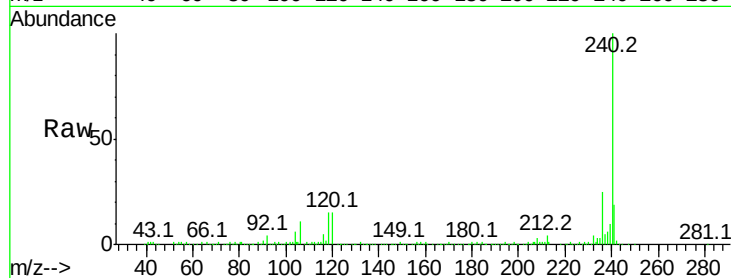
Tot Ion:240 Resp: 245625

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

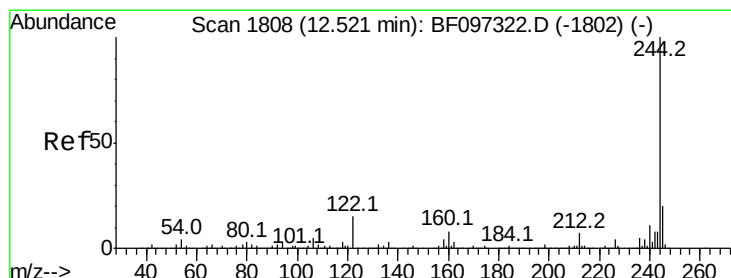
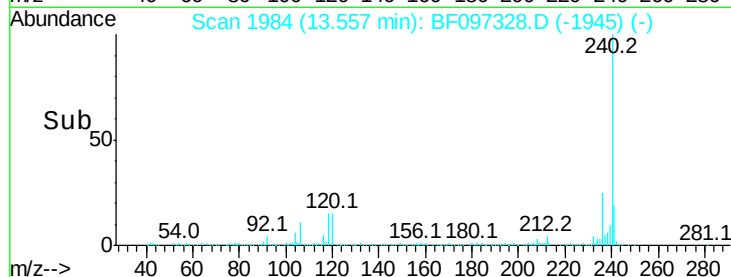
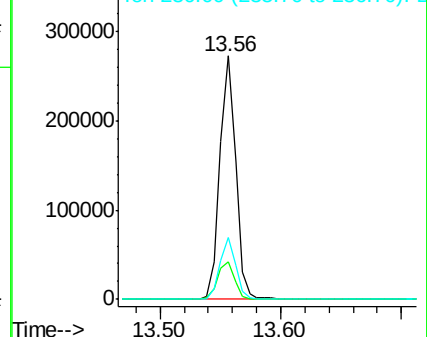
236 25.3 20.5 30.7



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: 49.261 ng

RT: 12.52 min Scan# 1808

Delta R.T. -0.06 min

Lab File: BF097328.D

Acq: 3 Aug 2017 20:35

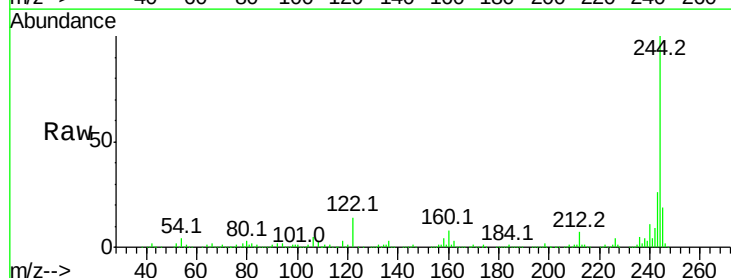
Tgt Ion:244 Resp: 593452

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

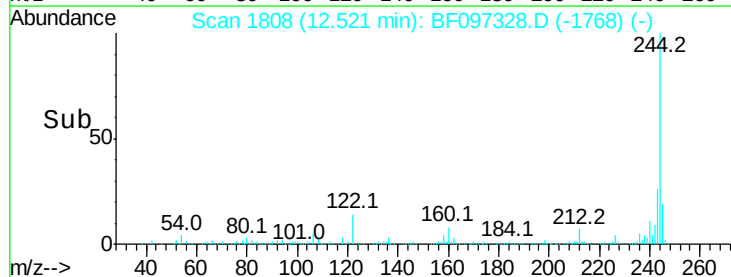
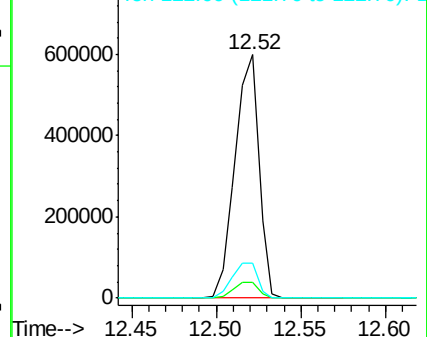
122 14.2 10.3 15.5



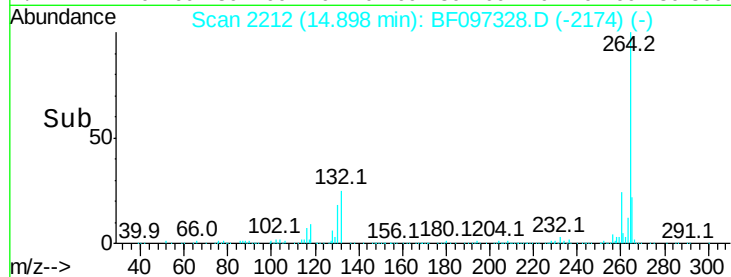
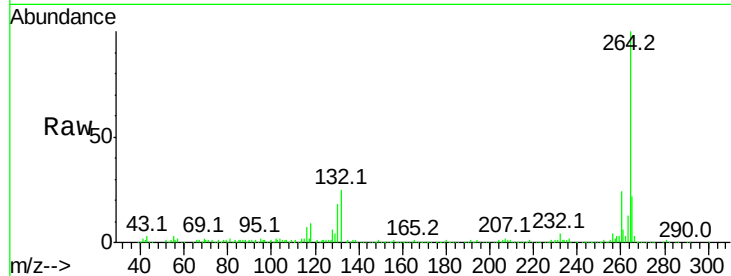
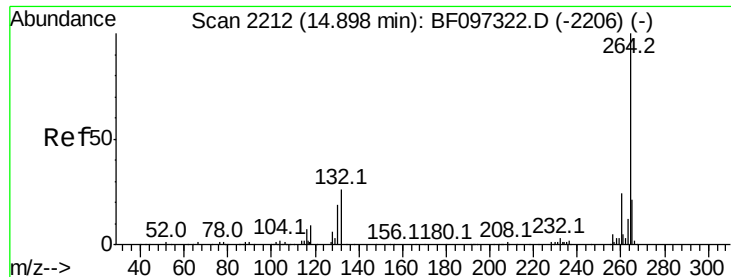
Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.90 min Scan# 2212  
Delta R.T. -0.08 min  
Lab File: BF097328.D  
Acq: 3 Aug 2017 20:35

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-008-A

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 211580 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.4  | 19.5  | 29.3   |
| 265      | 21.7  | 17.2  | 25.8   |

