

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\  
 Data File : BF084819.D  
 Acq On : 4 Feb 2016 7:24  
 Operator : SJ/IZ  
 Sample : H1322-03  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(21-23)

Quant Time: Feb 04 07:54:38 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 03 14:16:01 2016  
 Response via : Initial Calibration

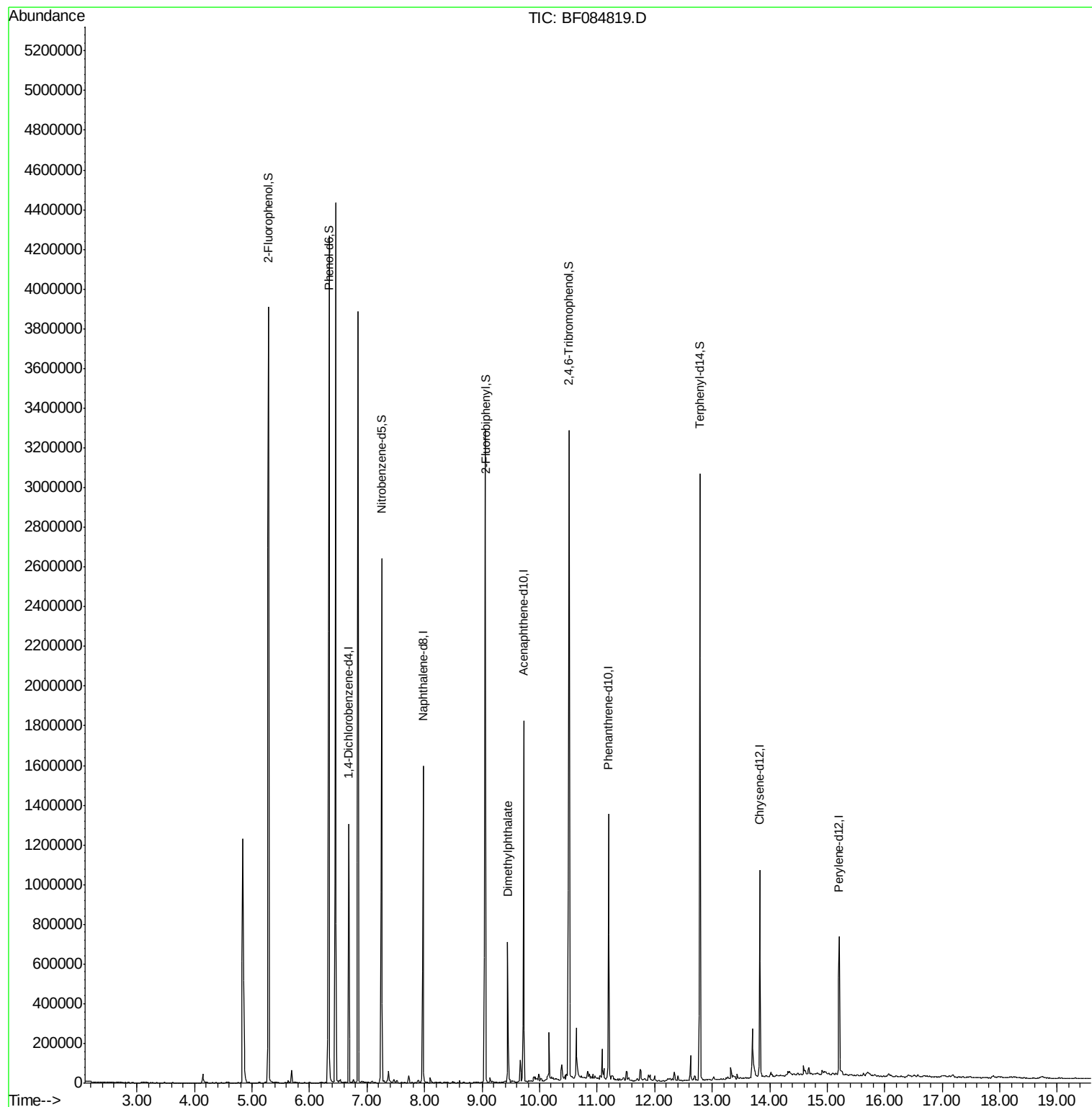
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.68  | 152  | 176027   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 7.97  | 136  | 765462   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.72  | 164  | 345714   | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 11.20 | 188  | 584311   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 13.83 | 240  | 431656   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 15.21 | 264  | 345209   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.29  | 112  | 1337341  | 118.34 | ng    | 0.01           |
| 7) Phenol-d6                | 6.34  | 99   | 1603569  | 114.46 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.25  | 82   | 931657   | 68.56  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.51 | 330  | 367115   | 101.80 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 1612125  | 75.70  | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.79 | 244  | 1287310  | 67.58  | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.45  | 163  | 278431   | 10.57  | ng    | Qvalue<br># 90 |

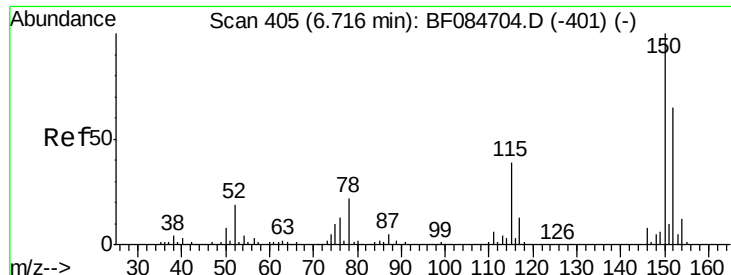
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S4-B016(21-23)

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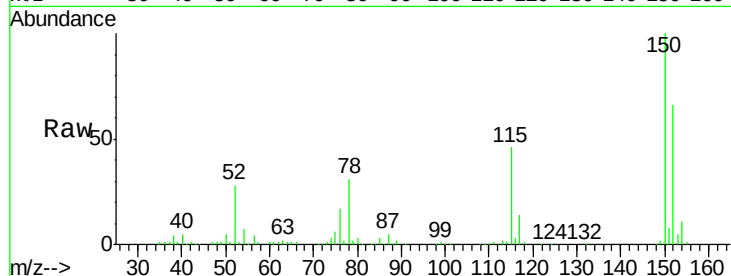


#1

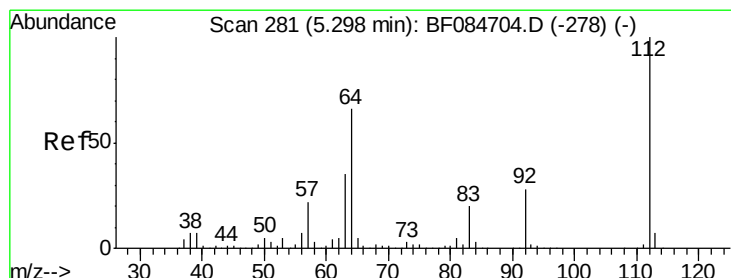
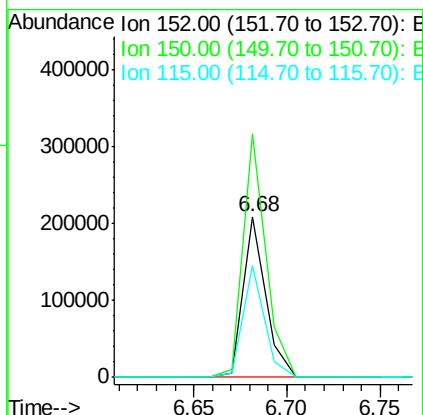
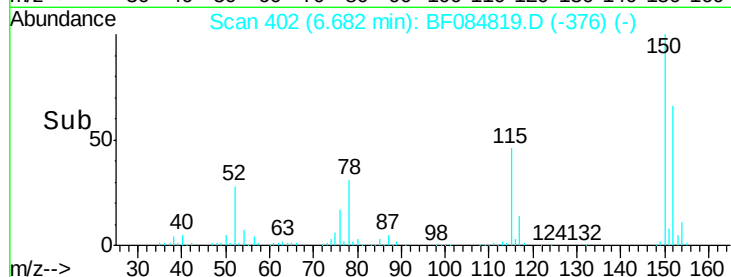
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.68 min Scan# 402  
Delta R.T. 0.00 min  
Lab File: BF084819.D  
Acq: 4 Feb 2016 7:24

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(21-23)

Tot Ion:152 Resp: 176027  
Ion Ratio Lower Upper  
152 100  
150 151.7 123.0 184.4  
115 70.0 51.4 77.2



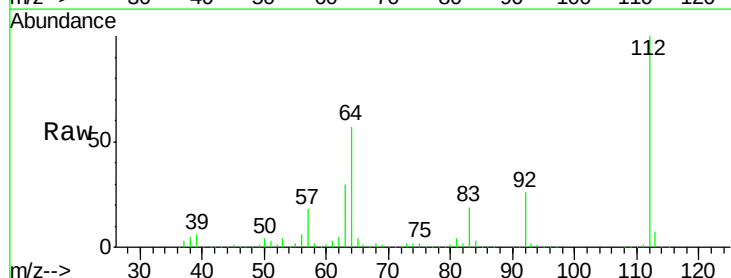
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



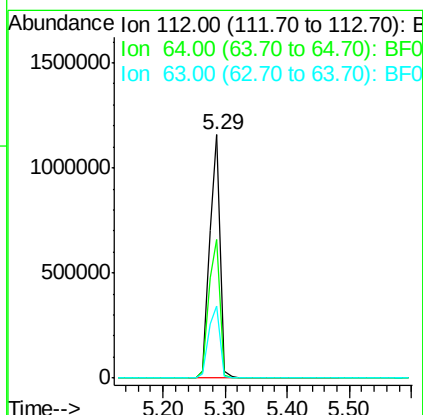
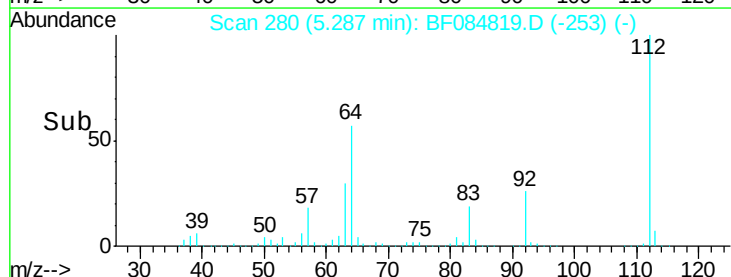
#5

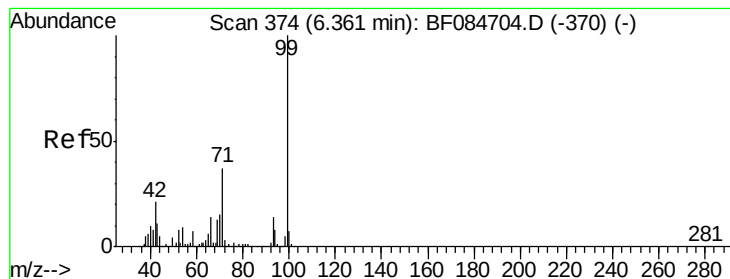
2-Fluorophenol  
Concen: 118.34 ng  
RT: 5.29 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: BF084819.D  
Acq: 4 Feb 2016 7:24

Tgt Ion:112 Resp: 1337341  
Ion Ratio Lower Upper  
112 100  
64 56.9 36.6 55.0#  
63 29.7 19.4 29.0#



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: 114.46 ng

RT: 6.34 min Scan# 372

Delta R.T. 0.00 min

Lab File: BF084819.D

Acq: 4 Feb 2016 7:24

Instrument :

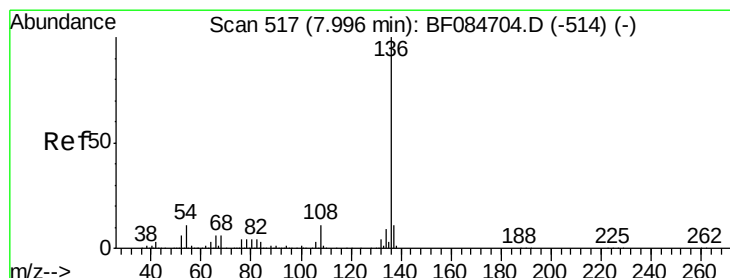
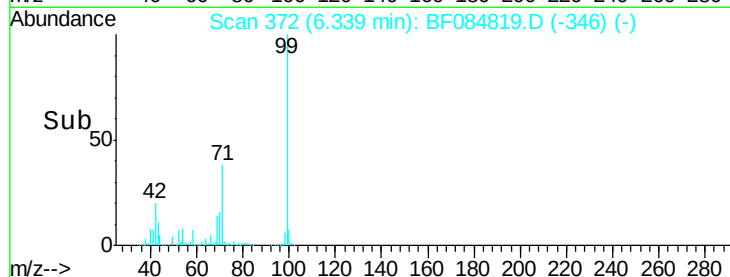
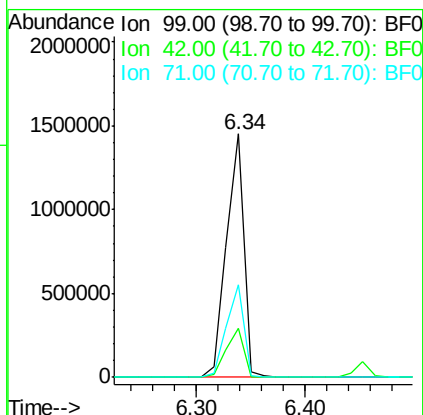
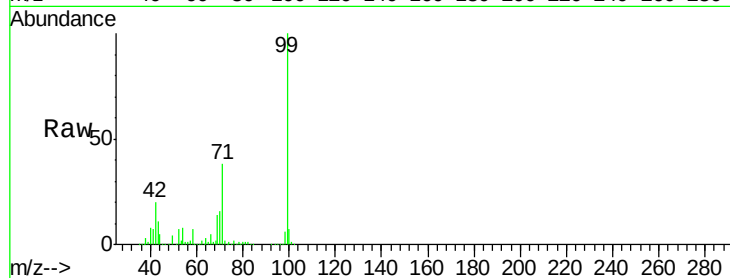
BNA\_F

ClientSampleId :

S4-B016(21-23)

Tot Ion: 99 Resp: 1603569

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.3  | 12.8  | 19.2# |
| 71  | 37.9  | 30.9  | 46.3  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

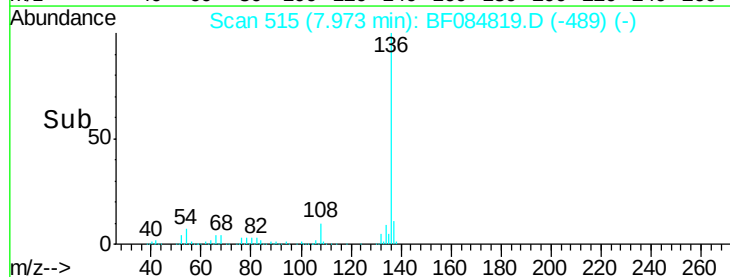
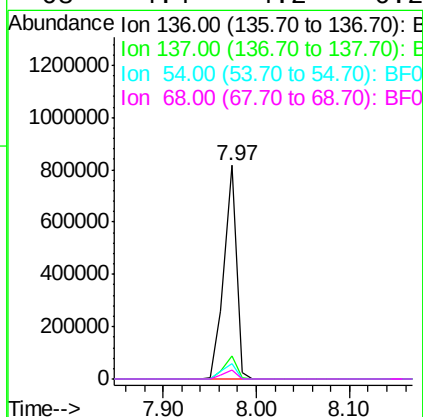
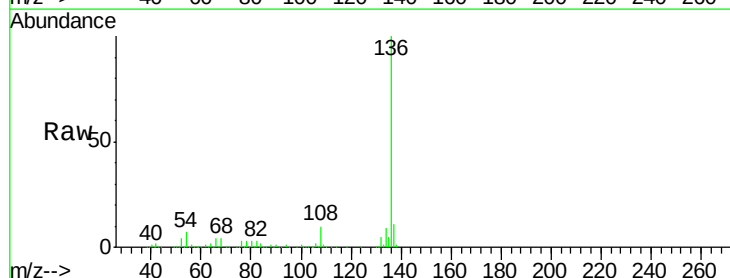
Delta R.T. 0.00 min

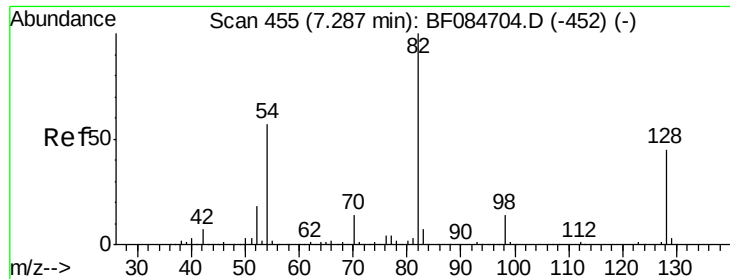
Lab File: BF084819.D

Acq: 4 Feb 2016 7:24

Tgt Ion: 136 Resp: 765462

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.7   | 13.1  |
| 54  | 7.3   | 5.8   | 8.8   |
| 68  | 4.4   | 4.2   | 6.2   |

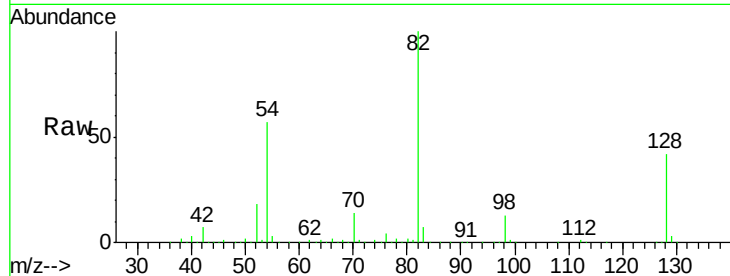




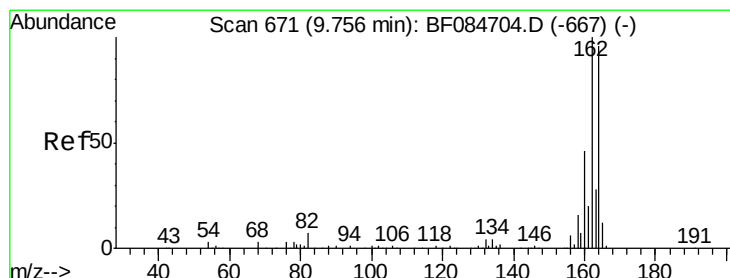
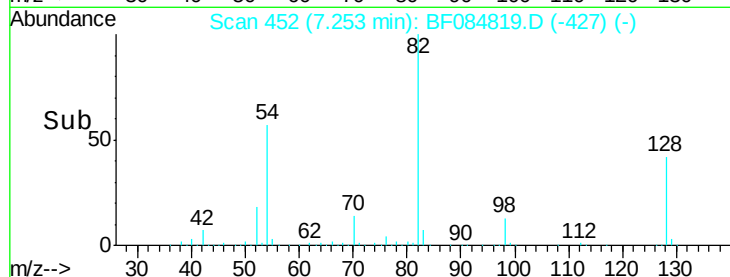
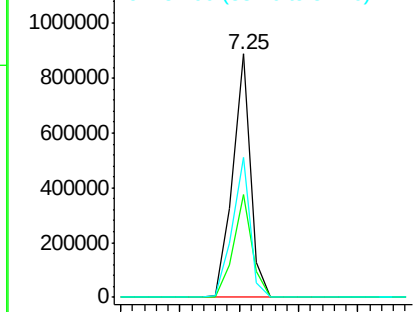
#23  
 Nitrobenzene-d5  
 Concen: 68.56 ng  
 RT: 7.25 min Scan# 452  
 Delta R.T. -0.01 min  
 Lab File: BF084819.D  
 Acq: 4 Feb 2016 7:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(21-23)

| Tot Ion   | 82    | Resp  | 931657 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.3  | 34.6  | 51.8   |
| 54        | 57.4  | 38.4  | 57.6   |

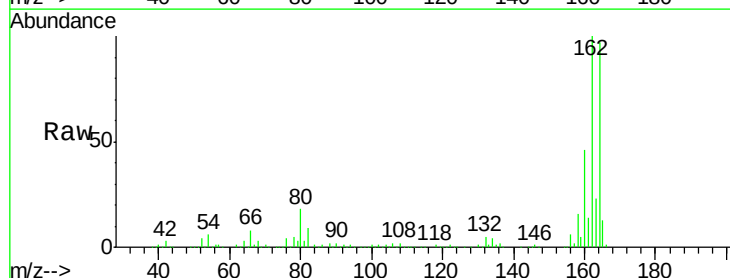


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

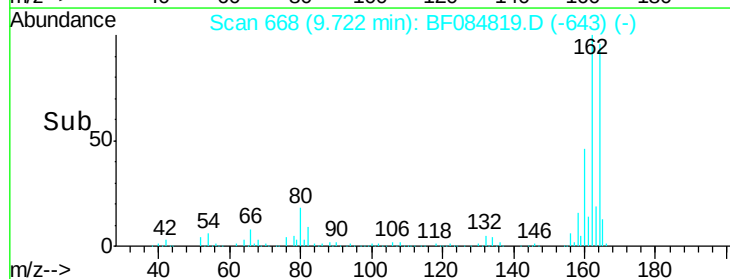
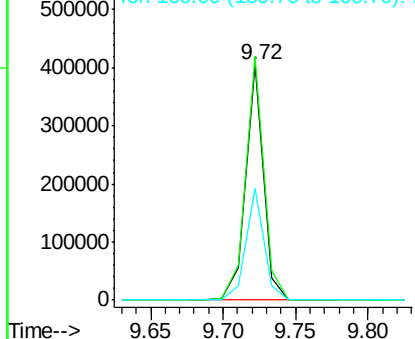


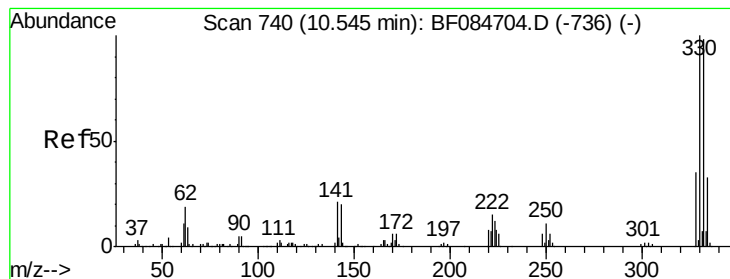
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.72 min Scan# 668  
 Delta R.T. -0.01 min  
 Lab File: BF084819.D  
 Acq: 4 Feb 2016 7:24

| Tgt Ion   | 164   | Resp  | 345714 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.3 | 85.1  | 127.7  |
| 160       | 47.2  | 37.5  | 56.3   |



Abundance Ion 164.00 (163.70 to 164.70): B  
 Ion 162.00 (161.70 to 162.70): B  
 Ion 160.00 (159.70 to 160.70): B





#41

2,4,6-Tribromophenol

Concen: 101.80 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF084819.D

Acq: 4 Feb 2016 7:24

Instrument :

BNA\_F

ClientSampleId :

S4-B016(21-23)

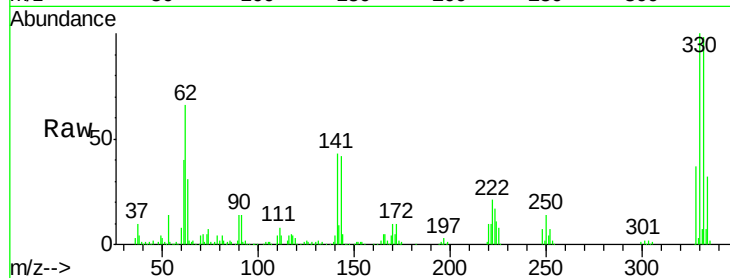
Tot Ion:330 Resp: 367115

Ion Ratio Lower Upper

330 100

332 97.8 76.6 114.8

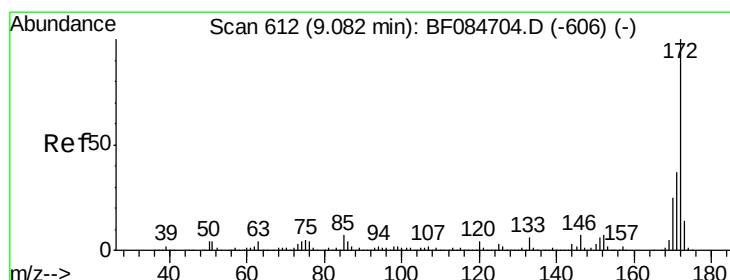
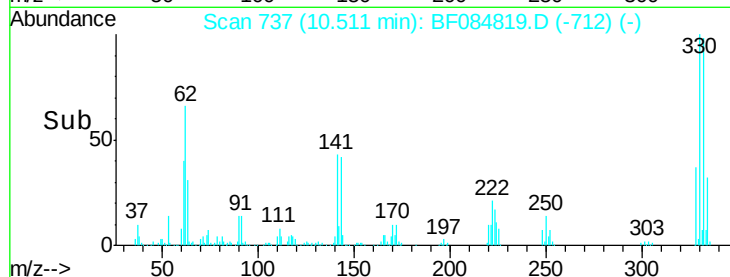
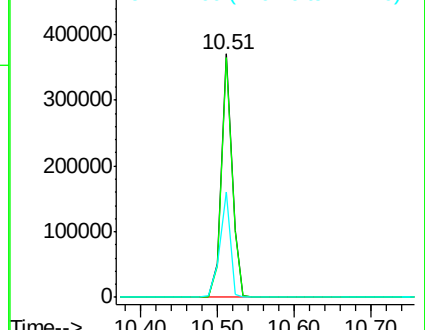
141 41.3 27.8 41.6



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: 75.70 ng

RT: 9.06 min Scan# 610

Delta R.T. 0.00 min

Lab File: BF084819.D

Acq: 4 Feb 2016 7:24

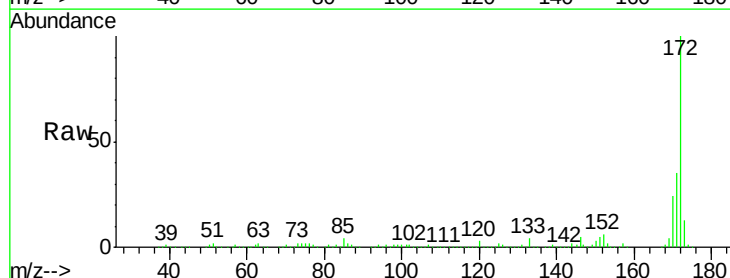
Tgt Ion:172 Resp: 1612125

Ion Ratio Lower Upper

172 100

171 35.3 28.9 43.3

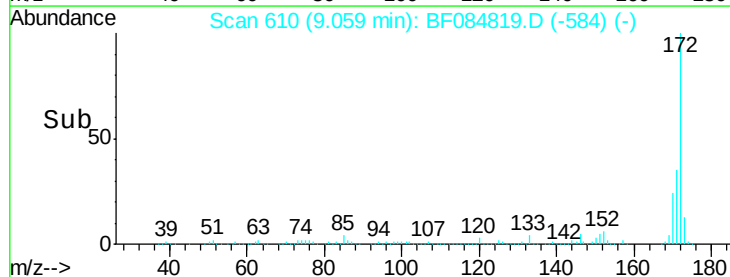
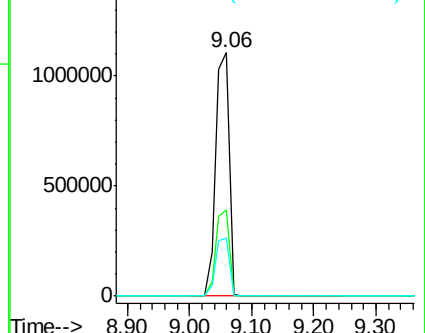
170 23.9 18.6 27.8

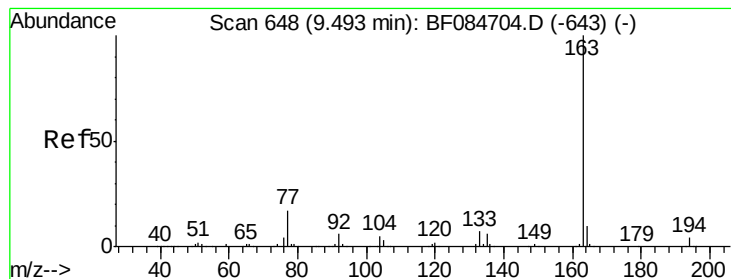


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 10.57 ng

RT: 9.45 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF084819.D

Acq: 4 Feb 2016 7:24

Instrument :

BNA\_F

ClientSampleId :

S4-B016(21-23)

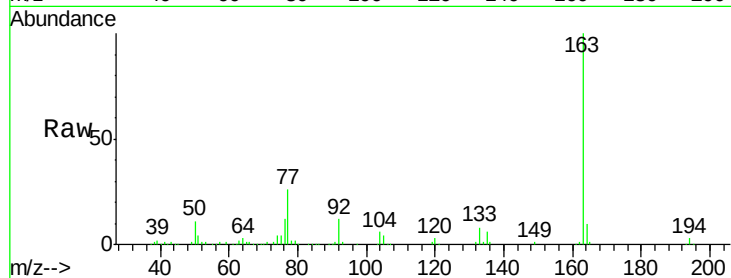
Tot Ion:163 Resp: 278431

Ion Ratio Lower Upper

163 100

194 2.7 8.0 12.0#

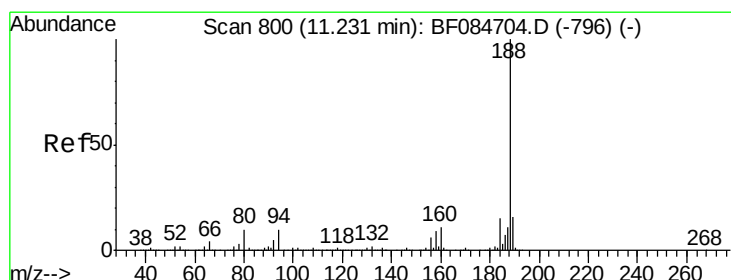
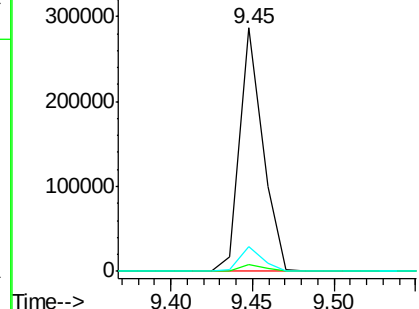
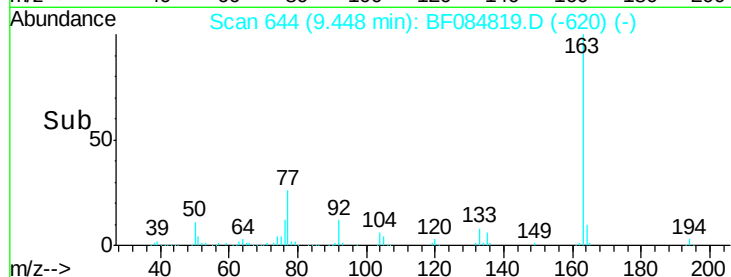
164 10.3 8.0 12.0



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: 11.20 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF084819.D

Acq: 4 Feb 2016 7:24

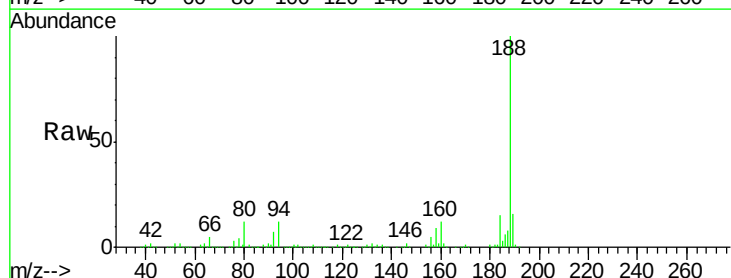
Tgt Ion:188 Resp: 584311

Ion Ratio Lower Upper

188 100

94 11.5 9.0 13.4

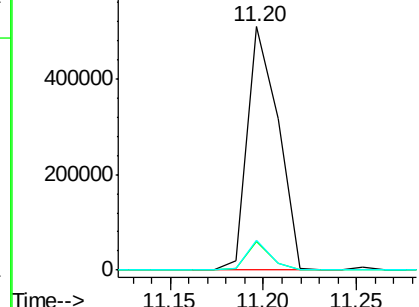
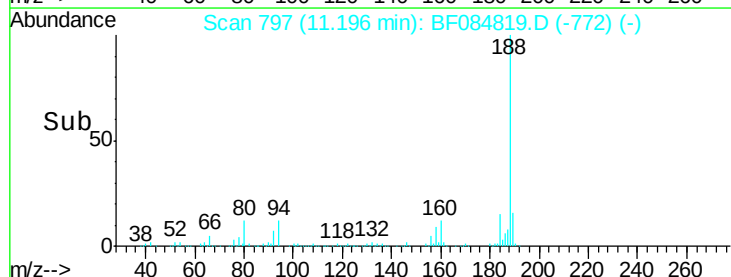
80 12.5 9.6 14.4

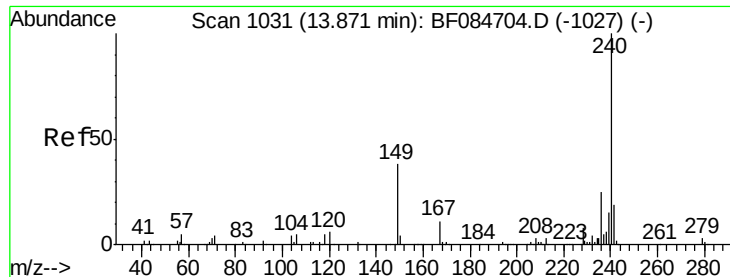


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF084819.D

Acq: 4 Feb 2016 7:24

Instrument :

BNA\_F

ClientSampleId :

S4-B016(21-23)

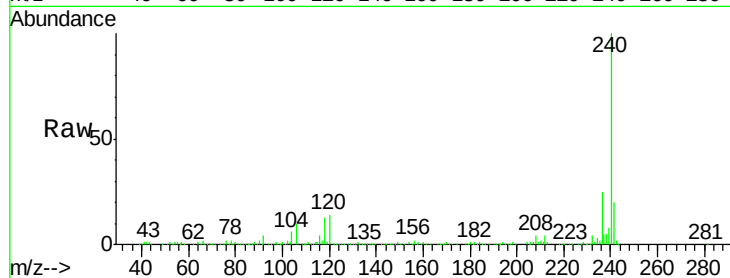
Tot Ion:240 Resp: 431656

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

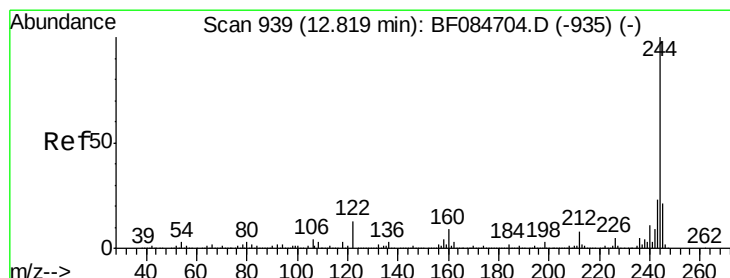
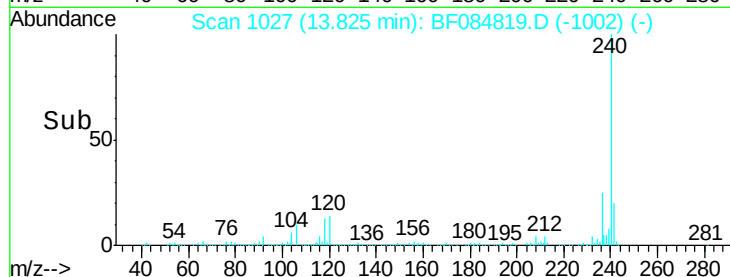
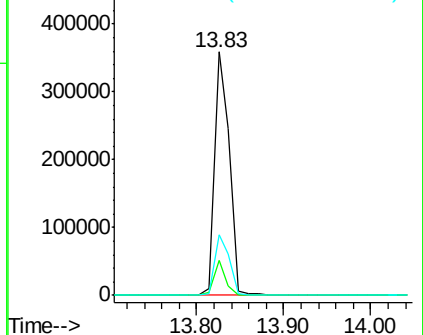
236 25.1 20.6 31.0



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: 67.58 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084819.D

Acq: 4 Feb 2016 7:24

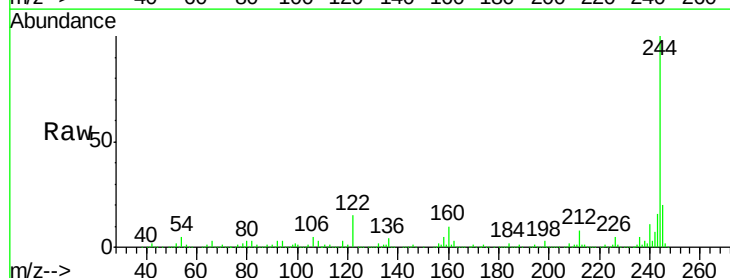
Tgt Ion:244 Resp: 1287310

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

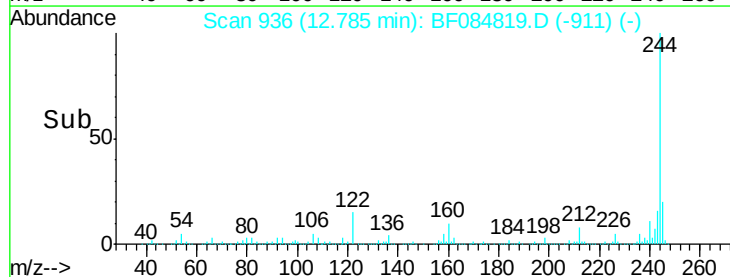
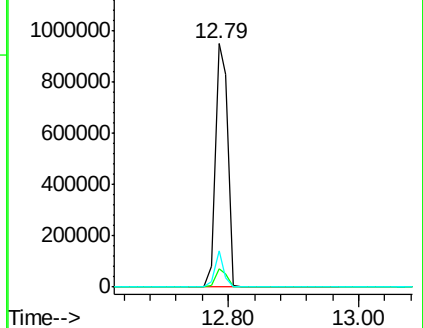
122 15.0 7.4 11.0#



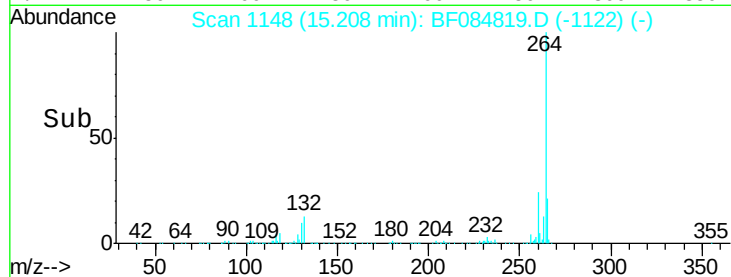
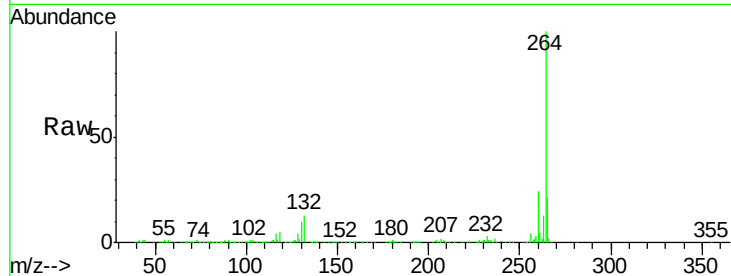
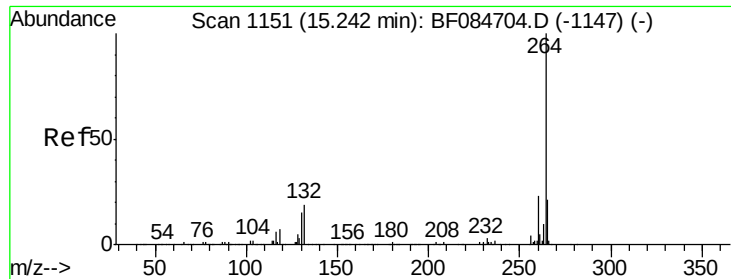
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.21 min Scan# 1148  
 Delta R.T. 0.00 min  
 Lab File: BF084819.D  
 Acq: 4 Feb 2016 7:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(21-23)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.4  | 29.2  |
| 265     | 21.0  | 17.8  | 26.6  |

