

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\  
 Data File : BF092083.D  
 Acq On : 4 Jan 2017 22:18  
 Operator : UM/SJ  
 Sample : I1004-06  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-22

Quant Time: Jan 05 00:56:24 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 05 00:16:49 2017  
 Response via : Initial Calibration

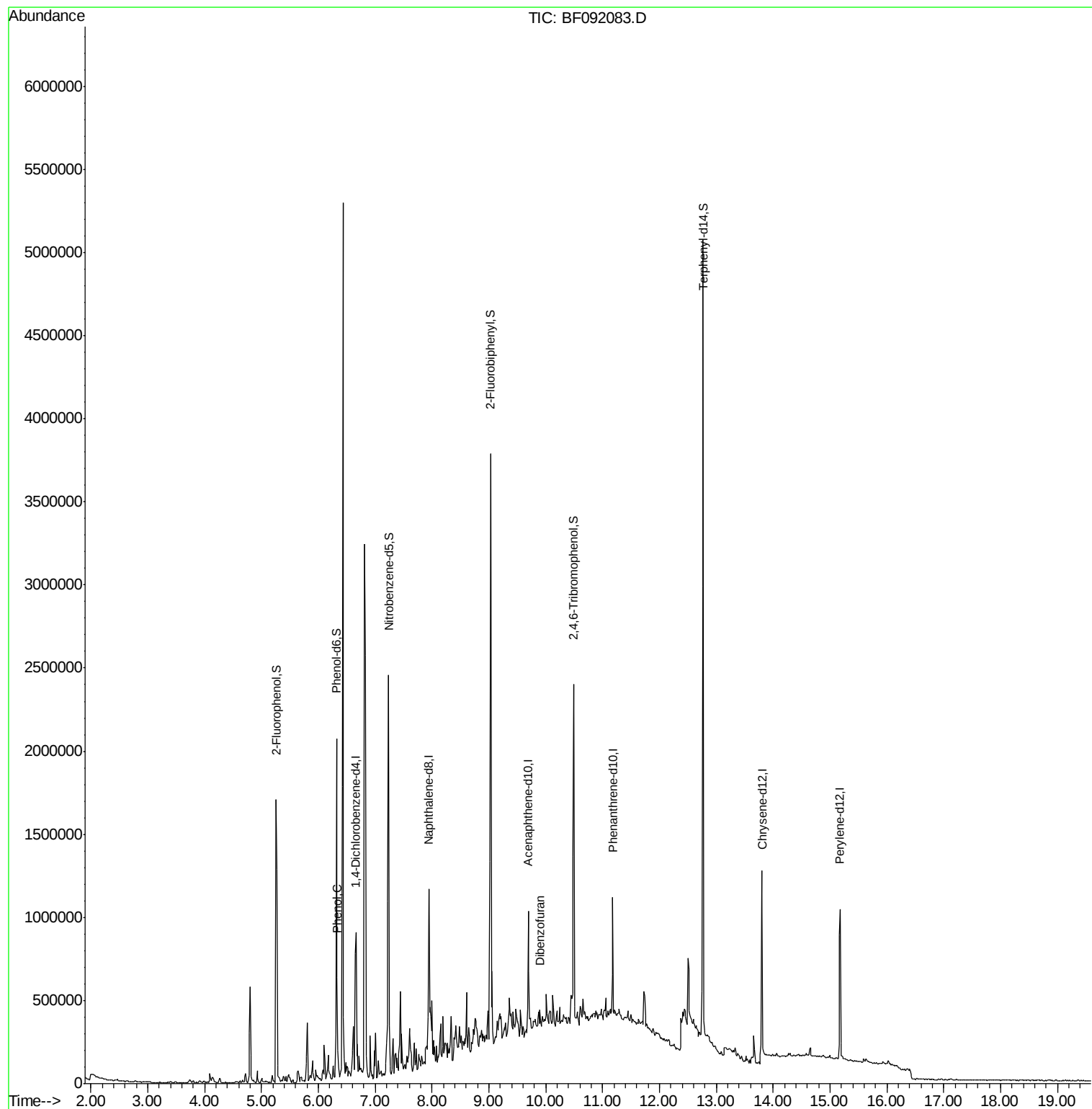
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.66  | 152  | 173102   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.94  | 136  | 309376   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.69  | 164  | 161635   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.18 | 188  | 280973   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.81 | 240  | 560830   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.18 | 264  | 469893   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 634181   | 61.17  | ng    | 0.00     |
| 7) Phenol-d6                | 6.32  | 99   | 681829   | 53.87  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.24  | 82   | 715852   | 128.66 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330  | 252468   | 188.74 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.03  | 172  | 1090022  | 147.69 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.77 | 244  | 1791972  | 77.49  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.33  | 94   | 64840    | 4.50   | ng    | 78       |
| 54) Dibenzofuran            | 9.90  | 168  | 24877    | 2.02   | ng    | # 76     |

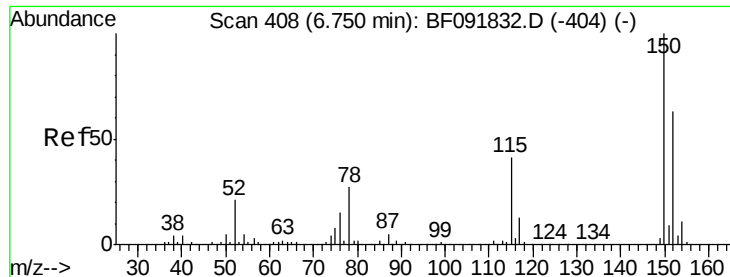
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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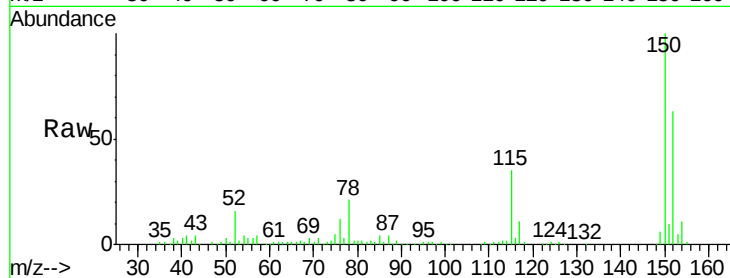


#1

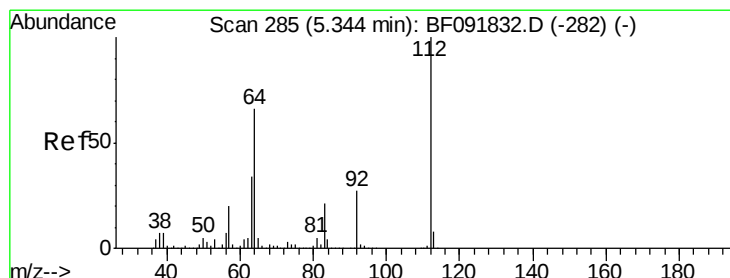
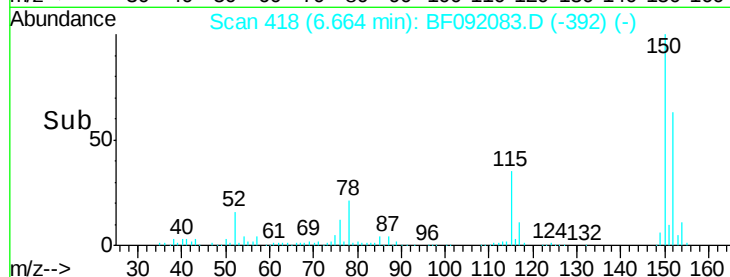
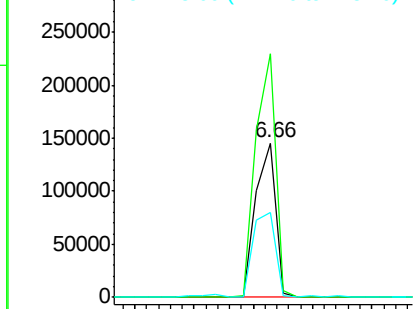
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.66 min Scan# 418  
Delta R.T. -0.00 min  
Lab File: BF092083.D  
Acq: 4 Jan 2017 22:18

Instrument :  
BNA\_F  
ClientSampleId :  
MW-22

Tot Ion:152 Resp: 173102  
Ion Ratio Lower Upper  
152 100  
150 157.9 124.9 187.3  
115 55.3 46.0 69.0



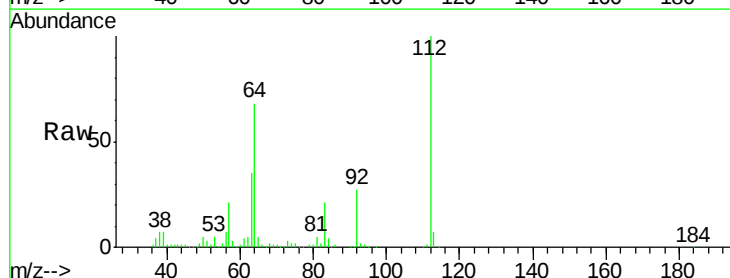
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



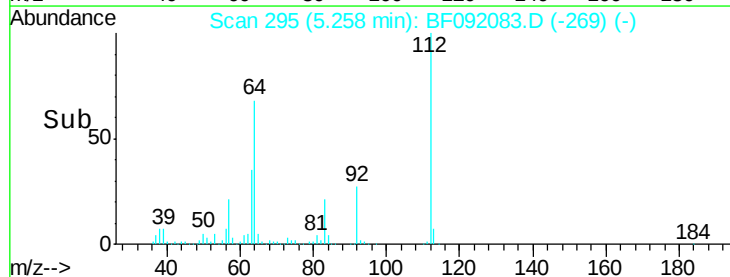
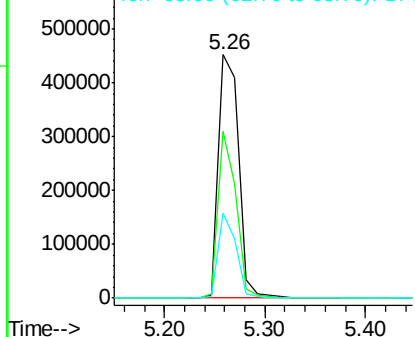
#5

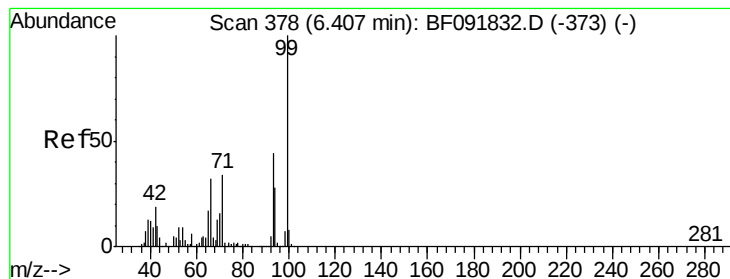
2-Fluorophenol  
Concen: 61.17 ng  
RT: 5.26 min Scan# 295  
Delta R.T. -0.00 min  
Lab File: BF092083.D  
Acq: 4 Jan 2017 22:18

Tgt Ion:112 Resp: 634181  
Ion Ratio Lower Upper  
112 100  
64 68.5 46.1 69.1  
63 35.0 23.8 35.6



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: 53.87 ng

RT: 6.32 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF092083.D

Acq: 4 Jan 2017 22:18

Instrument :

BNA\_F

ClientSampleId :

MW-22

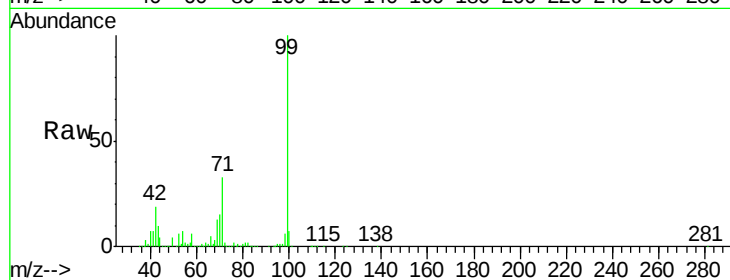
Tot Ion: 99 Resp: 681829

Ion Ratio Lower Upper

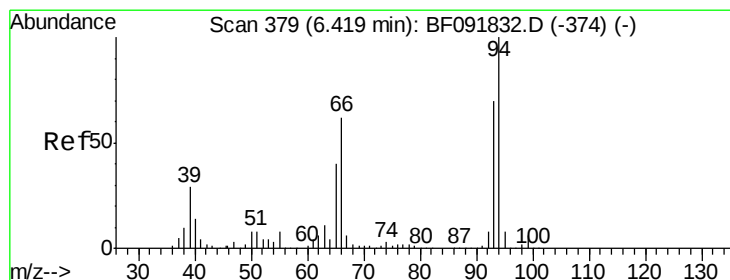
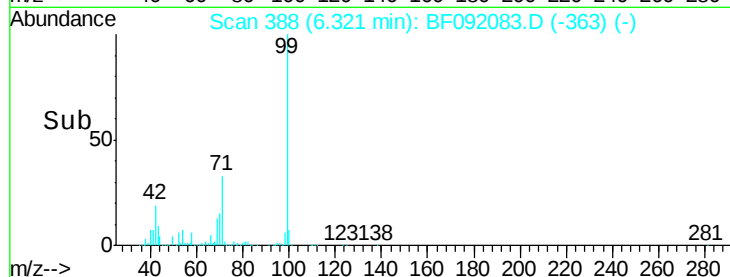
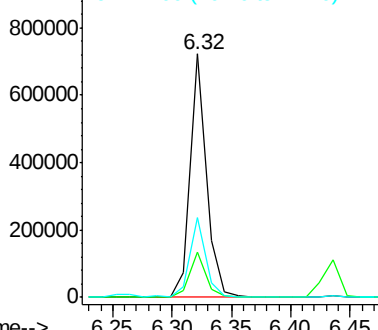
99 100

42 18.6 15.6 23.4

71 32.8 27.5 41.3



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



#10

Phenol

Concen: 4.50 ng

RT: 6.33 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF092083.D

Acq: 4 Jan 2017 22:18

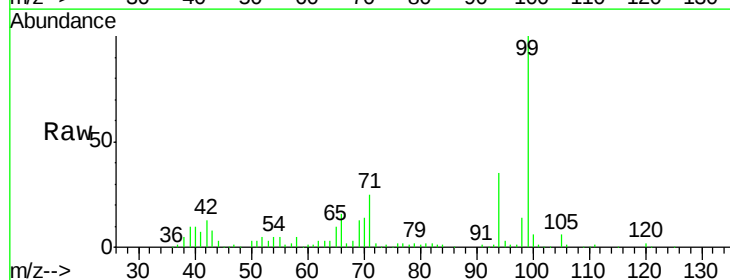
Tgt Ion: 94 Resp: 64840

Ion Ratio Lower Upper

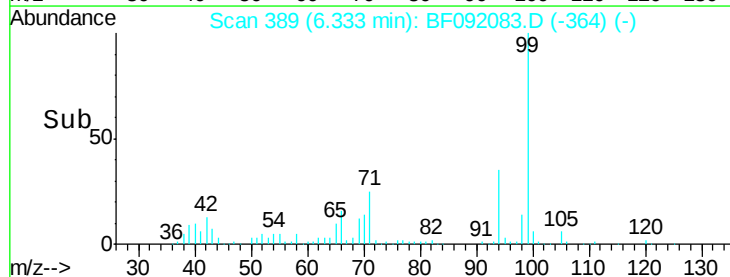
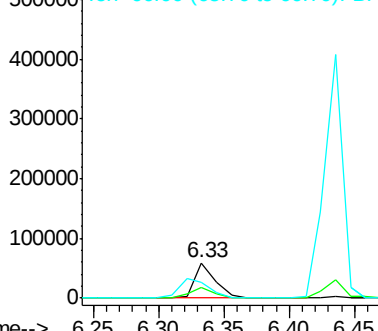
94 100

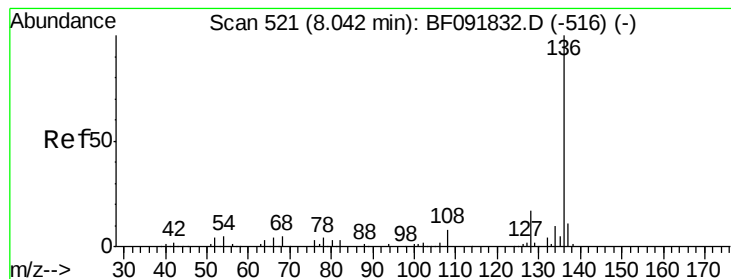
65 29.6 21.4 61.4

66 44.7 44.0 84.0



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF092083.D

Acq: 4 Jan 2017 22:18

Instrument :

BNA\_F

ClientSampleId :

MW-22

Tot Ion:136 Resp: 309376

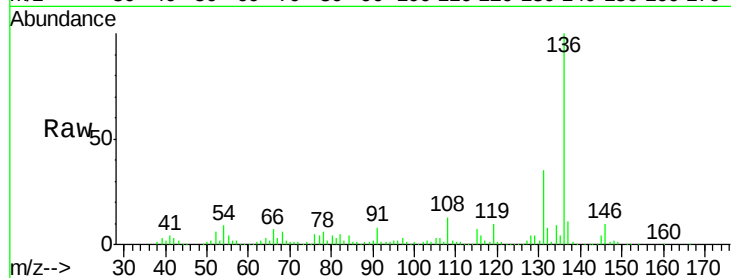
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 9.3 4.5 6.7#

68 6.0 3.6 5.4#

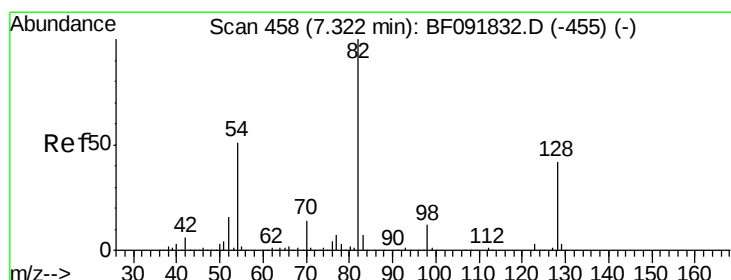
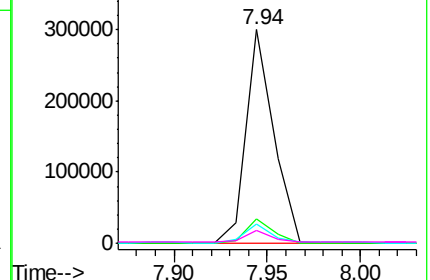
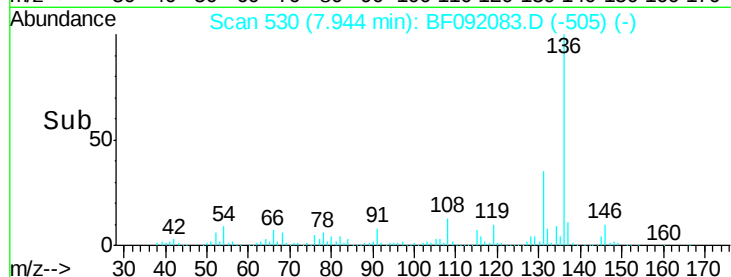


Abundance Ion 136.00 (135.70 to 136.70): E

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: 128.66 ng

RT: 7.24 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF092083.D

Acq: 4 Jan 2017 22:18

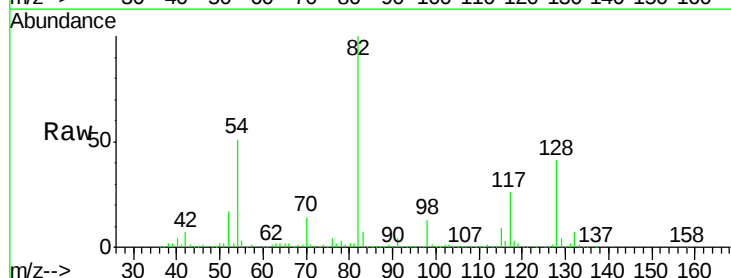
Tgt Ion: 82 Resp: 715852

Ion Ratio Lower Upper

82 100

128 40.9 34.6 52.0

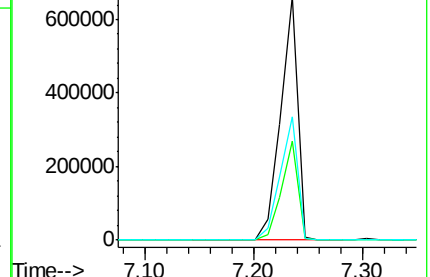
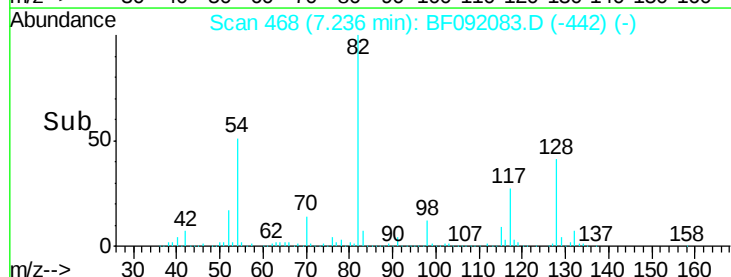
54 50.8 39.5 59.3

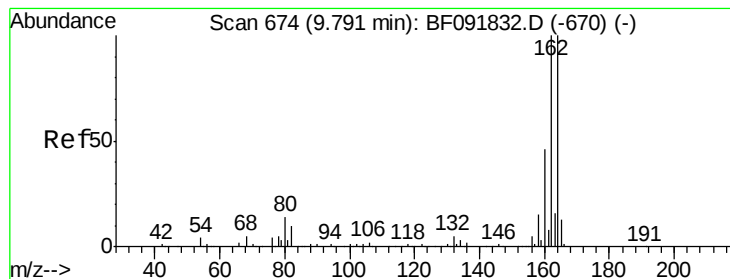


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF092083.D

Acq: 4 Jan 2017 22:18

Instrument :

BNA\_F

ClientSampleId :

MW-22

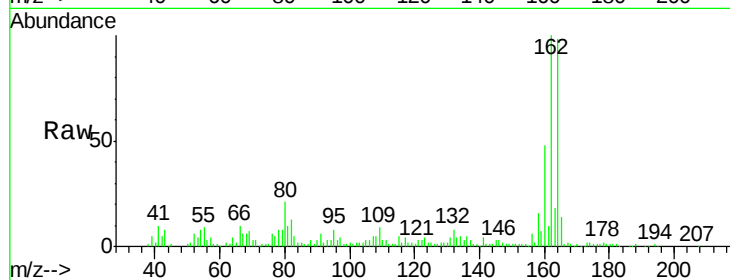
Tot Ion:164 Resp: 161635

Ion Ratio Lower Upper

164 100

162 101.9 80.2 120.2

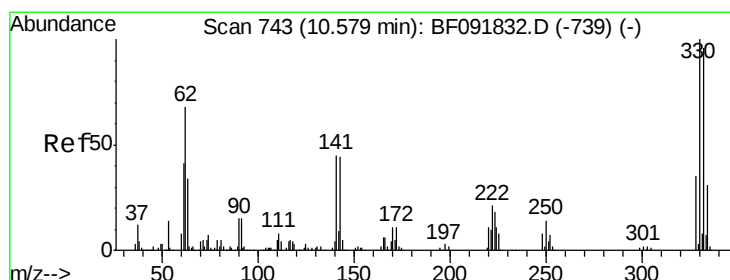
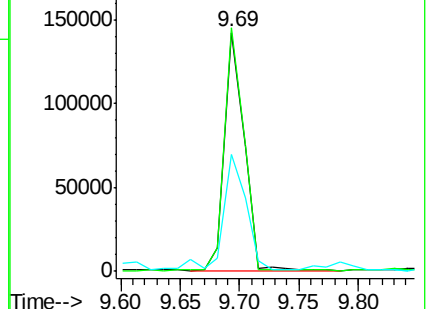
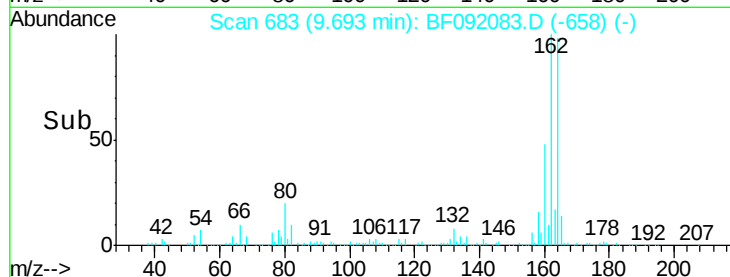
160 49.1 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 188.74 ng

RT: 10.49 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF092083.D

Acq: 4 Jan 2017 22:18

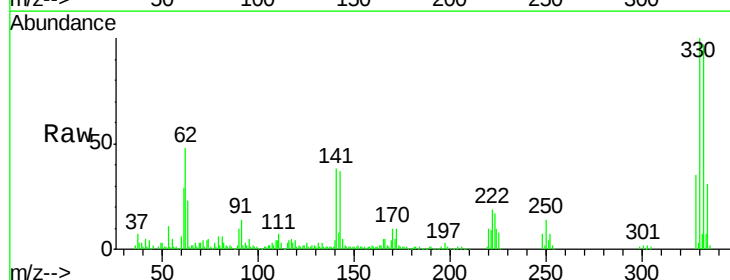
Tgt Ion:330 Resp: 252468

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

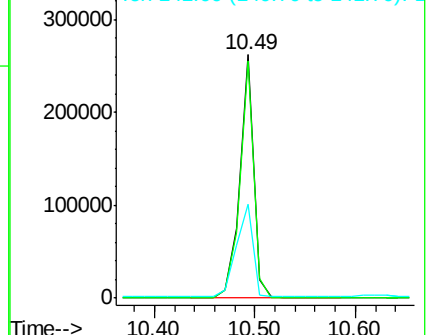
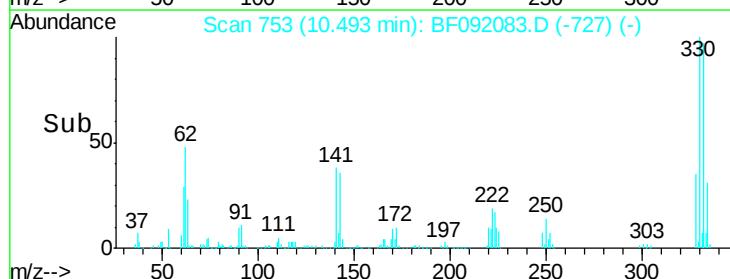
141 45.3 34.1 51.1

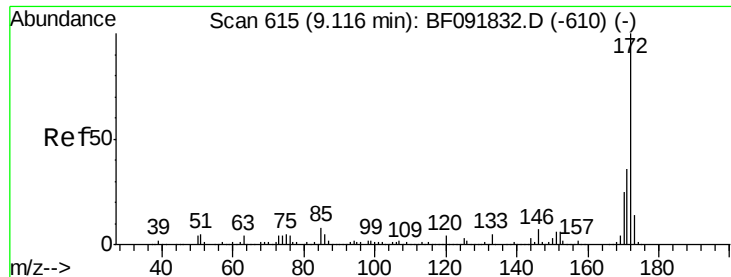


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 147.69 ng

RT: 9.03 min Scan# 625

Delta R.T. -0.00 min

Lab File: BF092083.D

Acq: 4 Jan 2017 22:18

Instrument :

BNA\_F

ClientSampleId :

MW-22

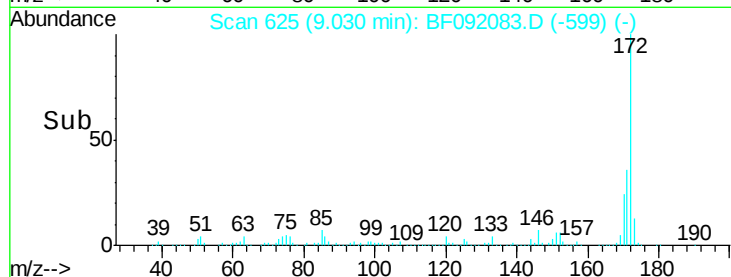
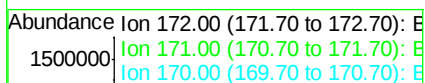
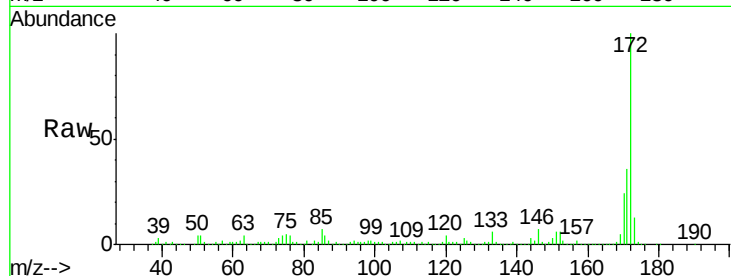
Tot Ion:172 Resp: 1090022

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.9  | 29.4  | 44.0  |
| 170 | 24.1  | 20.2  | 30.4  |

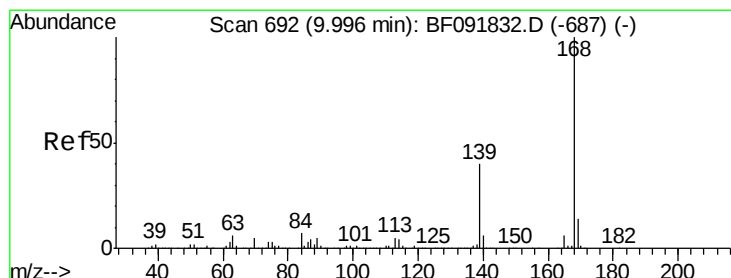
172 100

171 35.9 29.4 44.0

170 24.1 20.2 30.4



Time-->



#54

Dibenzofuran

Concen: 2.02 ng

RT: 9.90 min Scan# 701

Delta R.T. -0.01 min

Lab File: BF092083.D

Acq: 4 Jan 2017 22:18

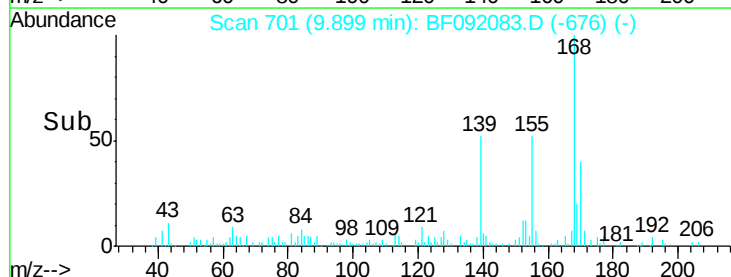
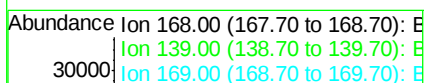
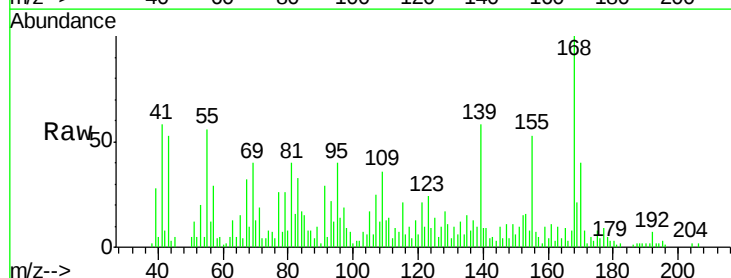
Tgt Ion:168 Resp: 24877

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 139 | 57.7  | 32.6  | 49.0# |
| 169 | 21.0  | 11.3  | 16.9# |

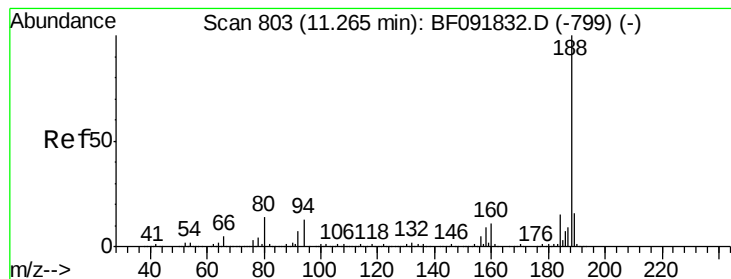
168 100

139 57.7 32.6 49.0#

169 21.0 11.3 16.9#



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF092083.D

Acq: 4 Jan 2017 22:18

Instrument :

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ClientSampleId :

MW-22

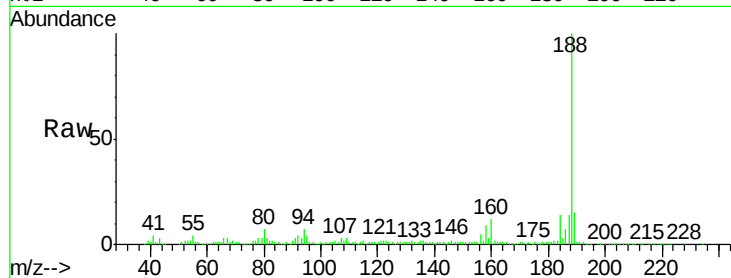
Tot Ion:188 Resp: 280973

Ion Ratio Lower Upper

188 100

94 7.1 10.0 15.0#

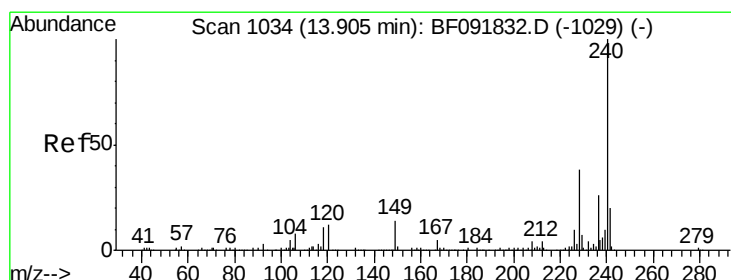
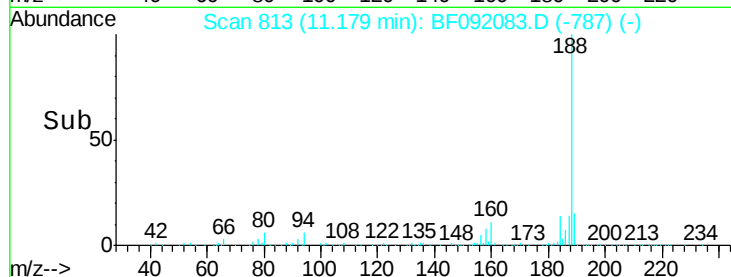
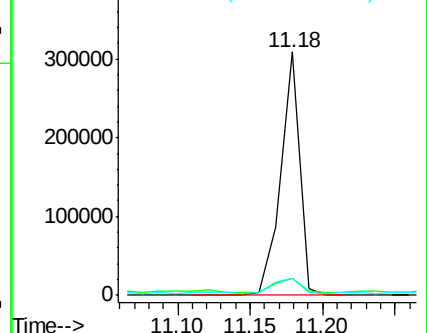
80 7.2 11.2 16.8#



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: 13.81 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF092083.D

Acq: 4 Jan 2017 22:18

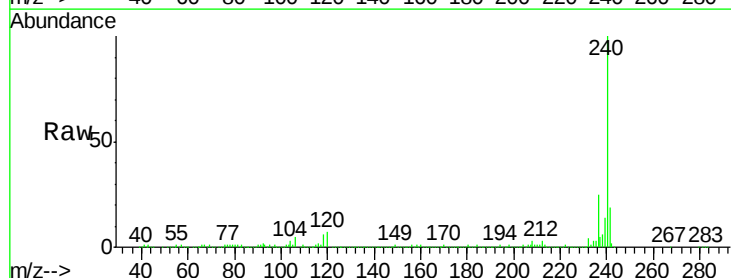
Tgt Ion:240 Resp: 560830

Ion Ratio Lower Upper

240 100

120 7.3 12.9 19.3#

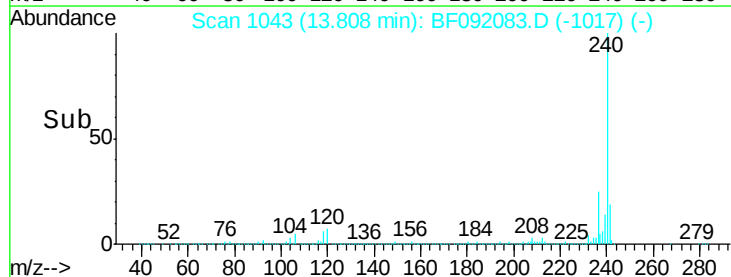
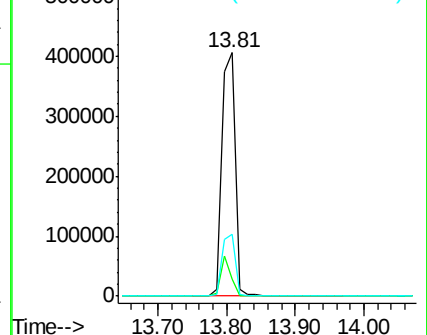
236 25.1 20.9 31.3

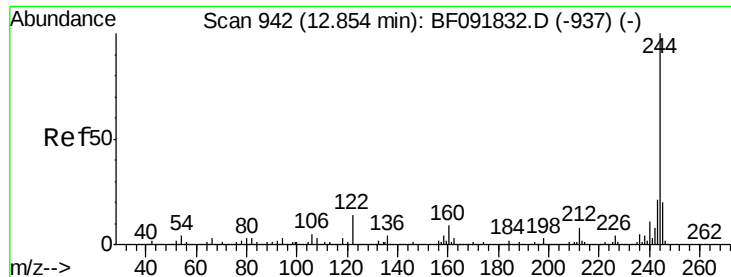


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 77.49 ng

RT: 12.77 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF092083.D

Acq: 4 Jan 2017 22:18

Instrument :

BNA\_F

ClientSampleId :

MW-22

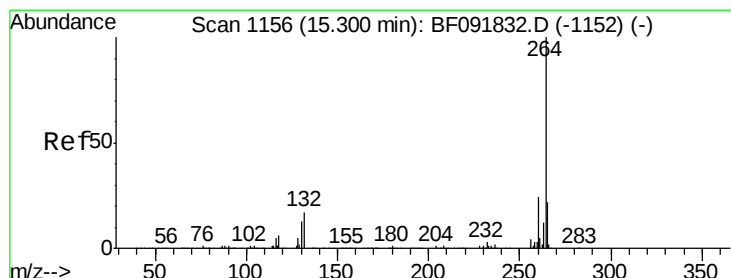
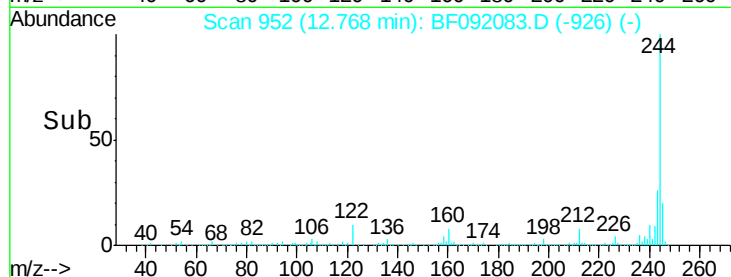
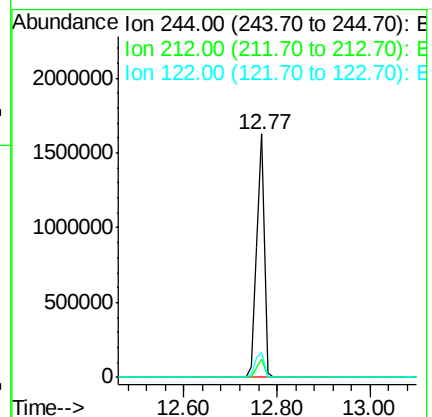
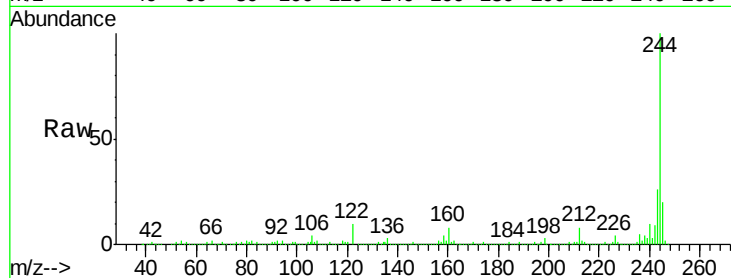
Tot Ion:244 Resp: 1791972

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 10.4 11.4 17.2#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF092083.D

Acq: 4 Jan 2017 22:18

Tgt Ion:264 Resp: 469893

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.1 17.4 26.0

