

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051916\  
 Data File : BF087223.D  
 Acq On : 20 May 2016 10:28  
 Operator : UM/SJ  
 Sample : H3121-05  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-21

Quant Time: May 20 14:49:09 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 17 16:55:01 2016  
 Response via : Initial Calibration

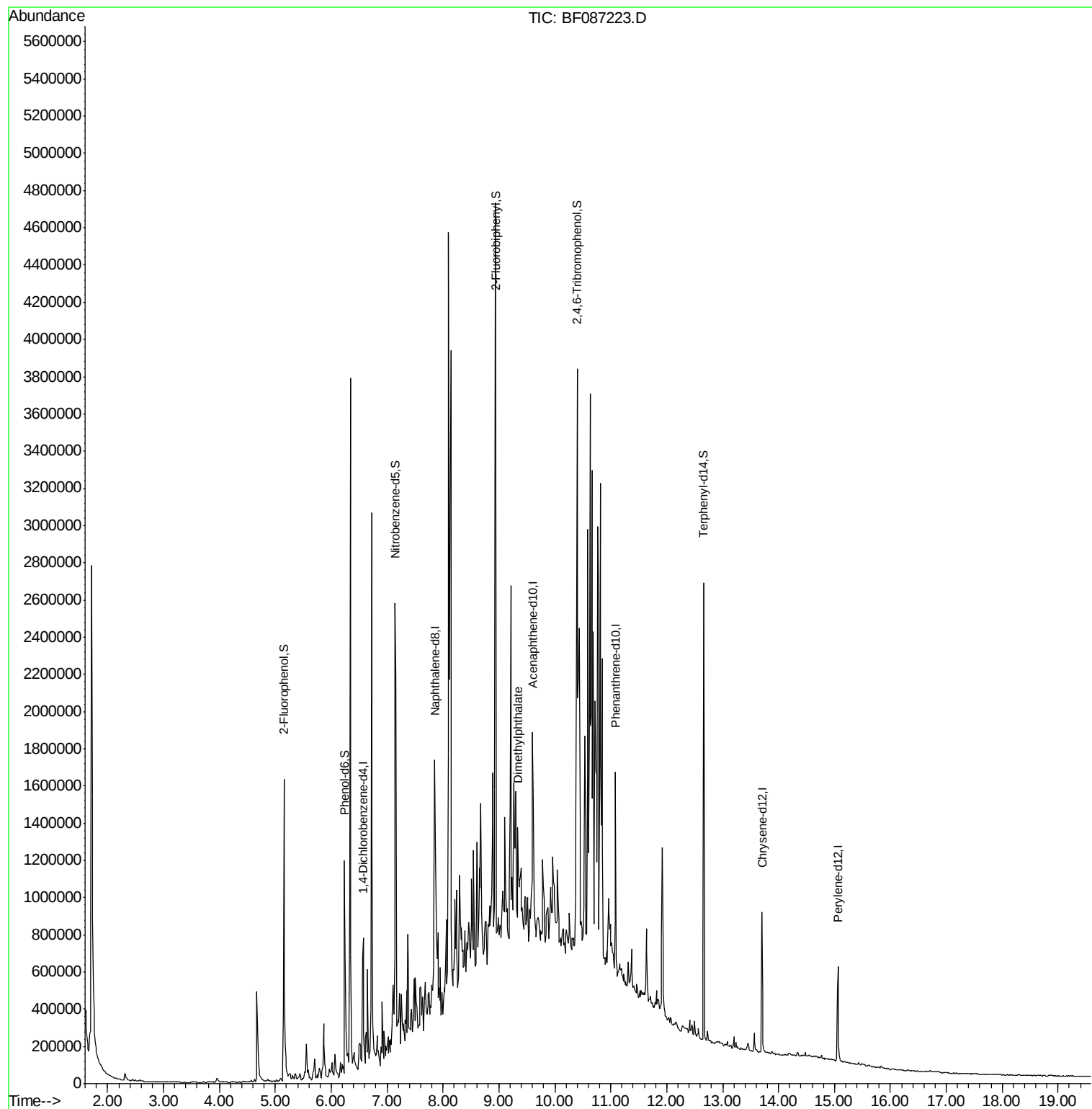
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.57  | 152  | 131071   | 20.00  | ng    | -0.03          |
| 21) Naphthalene-d8          | 7.85  | 136  | 496961   | 20.00  | ng    | -0.05          |
| 38) Acenaphthene-d10        | 9.60  | 164  | 215928   | 20.00  | ng    | -0.05          |
| 63) Phenanthrene-d10        | 11.08 | 188  | 378477   | 20.00  | ng    | -0.03          |
| 75) Chrysene-d12            | 13.70 | 240  | 266740   | 20.00  | ng    | -0.06          |
| 86) Perylene-d12            | 15.06 | 264  | 253901   | 20.00  | ng    | -0.05          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.15  | 112  | 509642   | 65.36  | ng    | -0.05          |
| 7) Phenol-d6                | 6.24  | 99   | 485471   | 46.42  | ng    | -0.05          |
| 23) Nitrobenzene-d5         | 7.14  | 82   | 908115   | 91.07  | ng    | -0.05          |
| 41) 2,4,6-Tribromophenol    | 10.40 | 330  | 307409   | 128.83 | ng    | -0.05          |
| 44) 2-Fluorobiphenyl        | 8.94  | 172  | 1210544  | 92.85  | ng    | -0.05          |
| 78) Terphenyl-d14           | 12.66 | 244  | 685484   | 58.13  | ng    | -0.05          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.34  | 163  | 81646    | 4.96   | ng    | Qvalue<br># 93 |

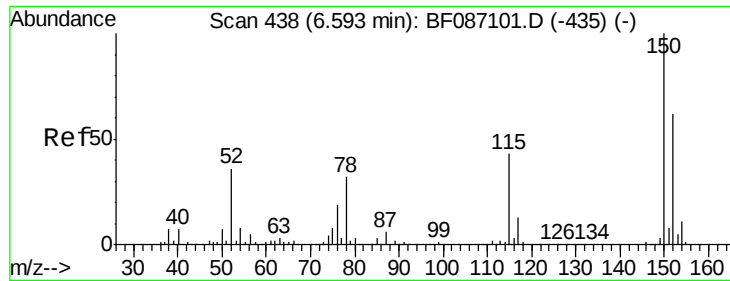
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
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Quant Time: May 20 14:49:09 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.M  
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QLast Update : Tue May 17 16:55:01 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF087223.D

Acq: 20 May 2016 10:28

Instrument :

BNA\_F

ClientSampleId :

MW-21

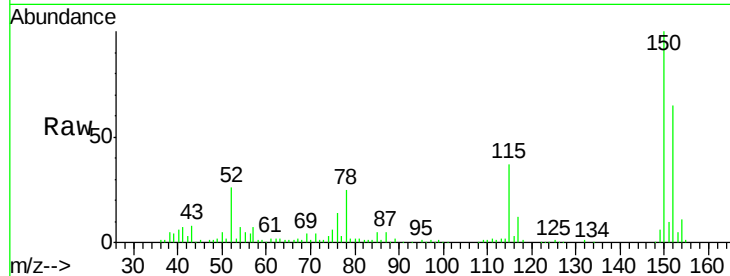
Tgt Ion:152 Resp: 131071

Ion Ratio Lower Upper

152 100

150 153.4 125.8 188.6

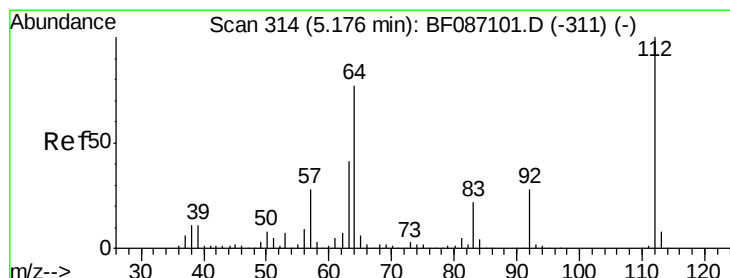
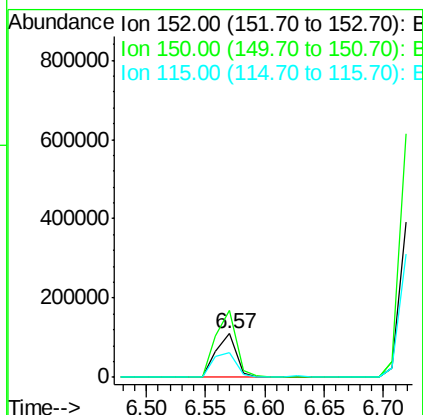
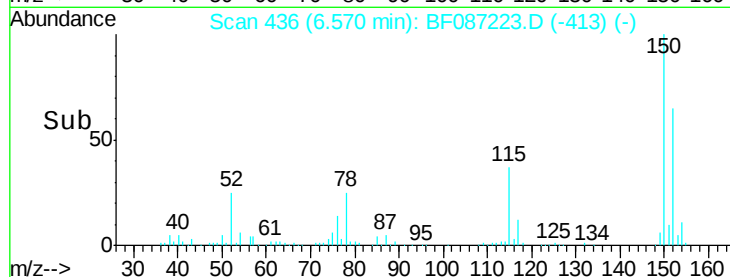
115 56.7 51.5 77.3



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: 65.36 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087223.D

Acq: 20 May 2016 10:28

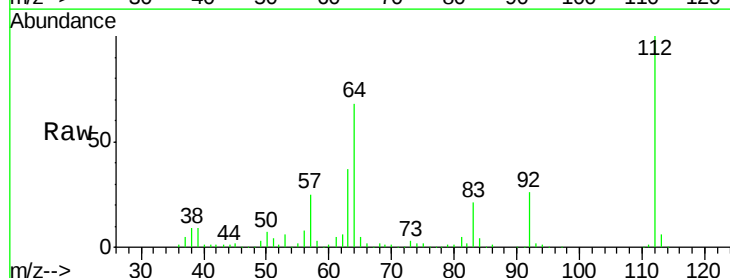
Tgt Ion:112 Resp: 509642

Ion Ratio Lower Upper

112 100

64 68.0 52.1 78.1

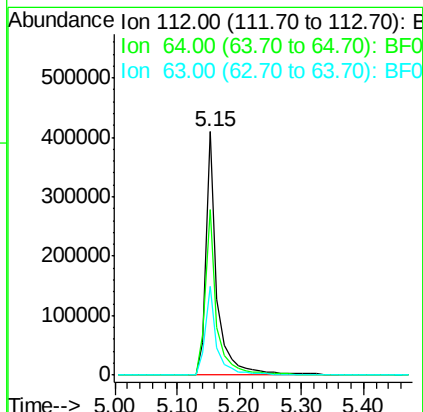
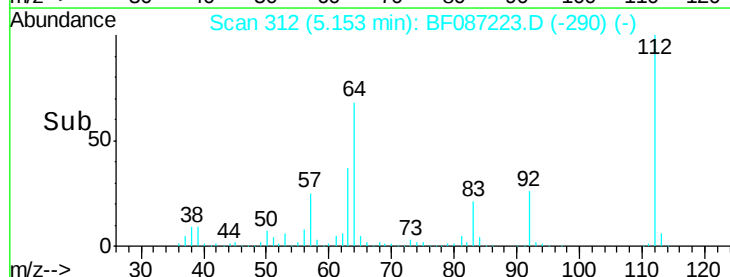
63 36.6 25.7 38.5

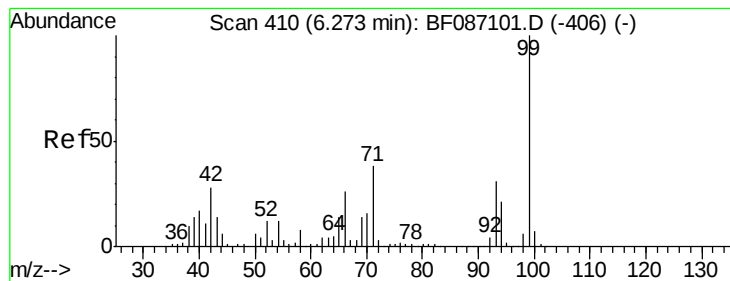


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.42 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087223.D

Acq: 20 May 2016 10:28

Instrument :

BNA\_F

ClientSampleId :

MW-21

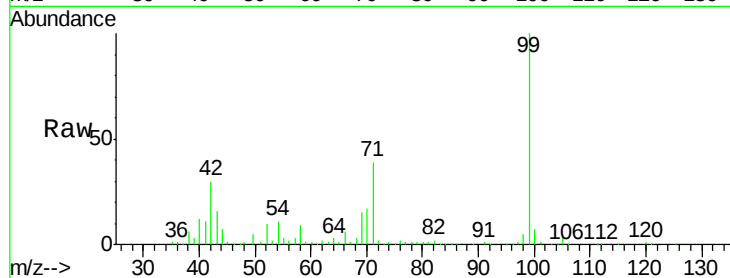
Tgt Ion: 99 Resp: 485471

Ion Ratio Lower Upper

99 100

42 29.9 13.6 20.4#

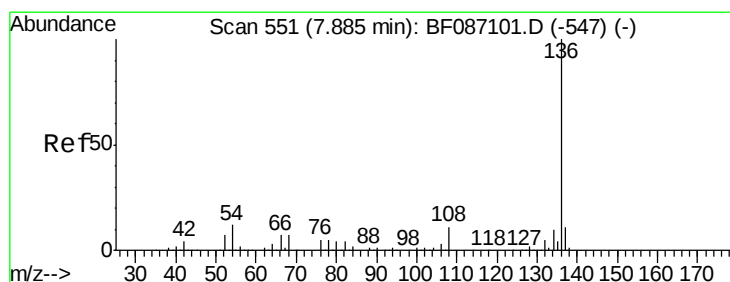
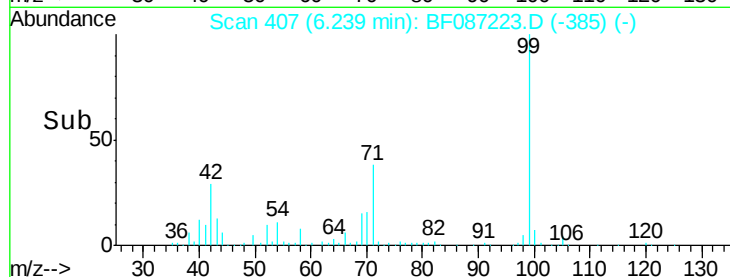
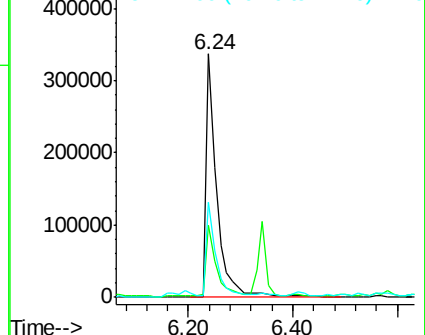
71 38.9 24.6 36.8#



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: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF087223.D

Acq: 20 May 2016 10:28

Tgt Ion: 136 Resp: 496961

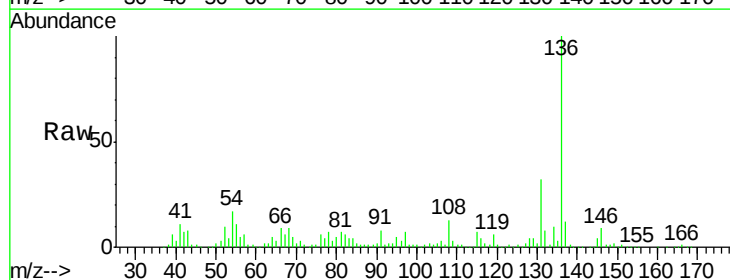
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 16.9 5.0 7.4#

68 8.9 4.4 6.6#

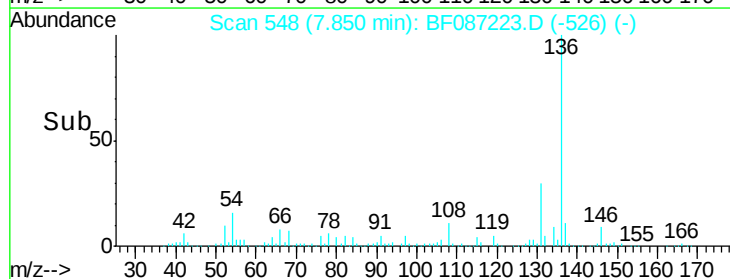
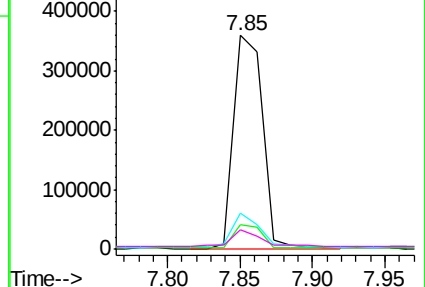


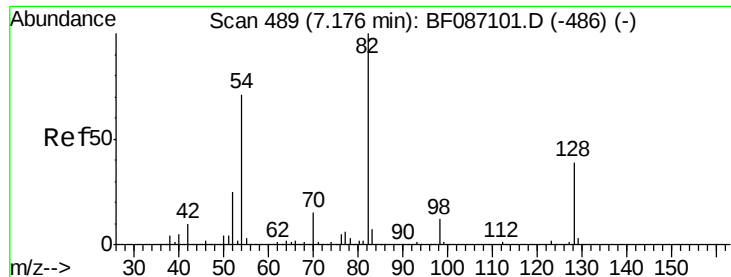
Abundance Ion 136.00 (135.70 to 136.70): E

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

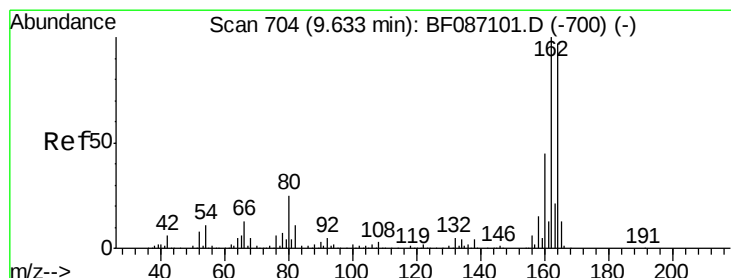
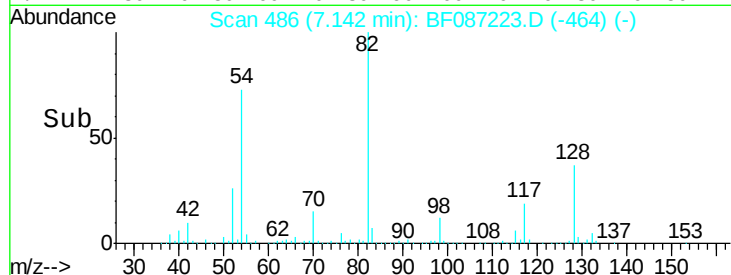
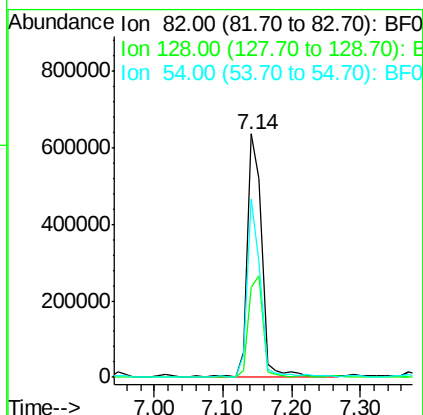
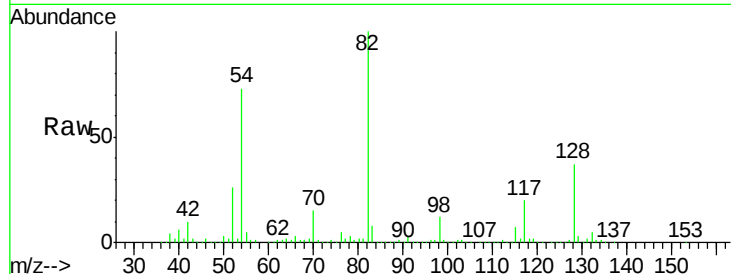




#23  
 Nitrobenzene-d5  
 Concen: 91.07 ng  
 RT: 7.14 min Scan# 486  
 Delta R.T. -0.05 min  
 Lab File: BF087223.D  
 Acq: 20 May 2016 10:28

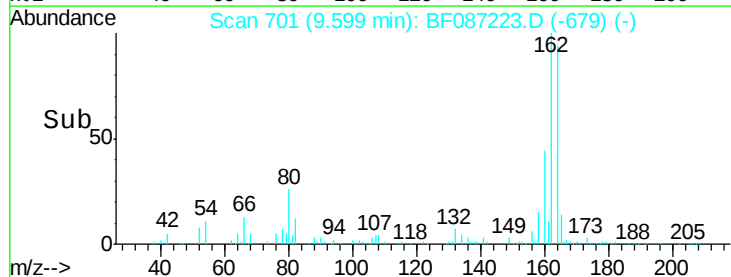
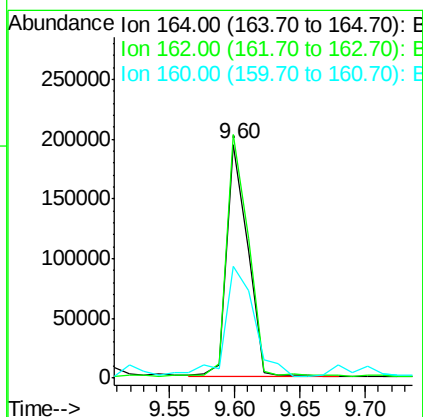
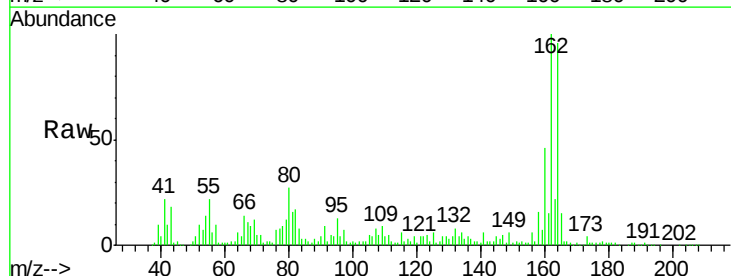
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-21

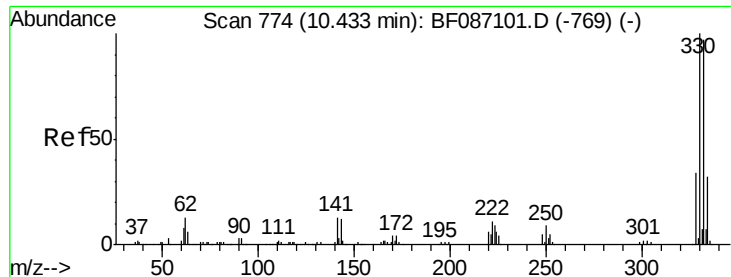
Tgt Ion: 82 Resp: 908115  
 Ion Ratio Lower Upper  
 82 100  
 128 37.0 40.6 61.0#  
 54 73.4 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.60 min Scan# 701  
 Delta R.T. -0.05 min  
 Lab File: BF087223.D  
 Acq: 20 May 2016 10:28

Tgt Ion: 164 Resp: 215928  
 Ion Ratio Lower Upper  
 164 100  
 162 104.3 82.8 124.2  
 160 47.7 36.9 55.3

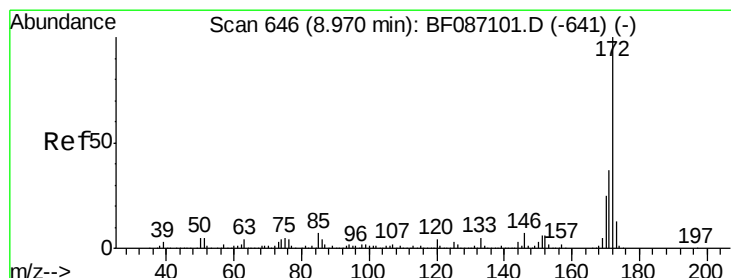
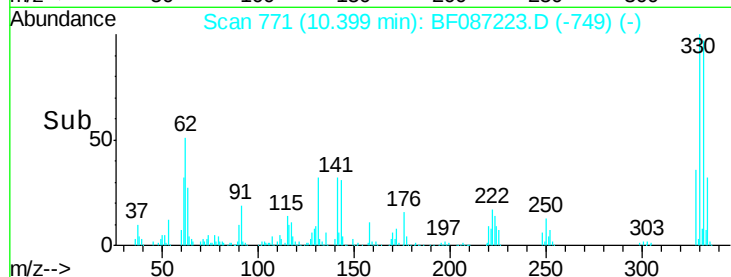
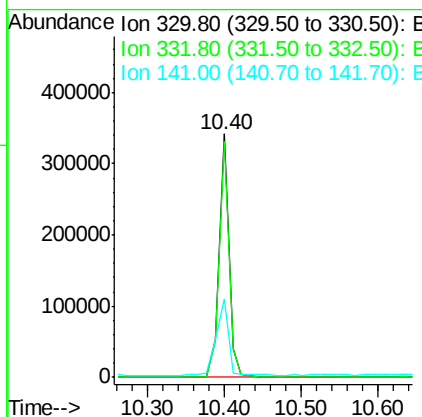
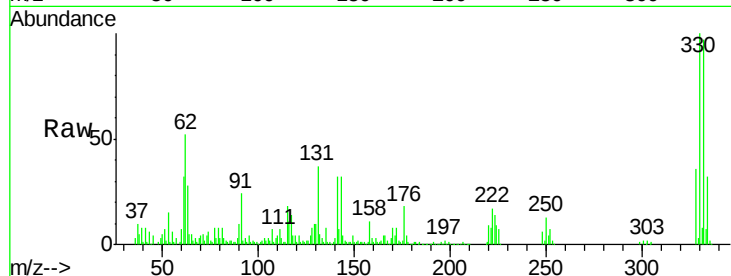




#41  
 2,4,6-Tribromophenol  
 Concen: 128.83 ng  
 RT: 10.40 min Scan# 771  
 Delta R.T. -0.05 min  
 Lab File: BF087223.D  
 Acq: 20 May 2016 10:28

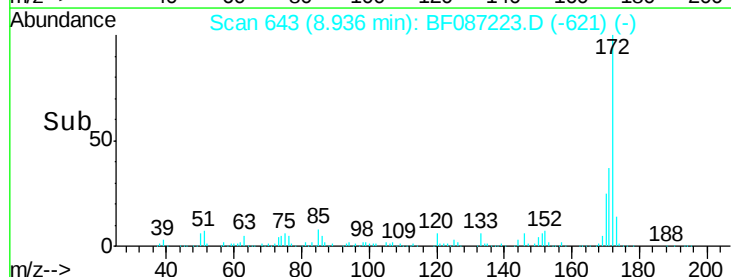
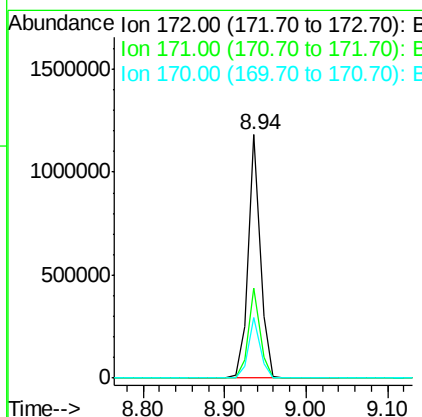
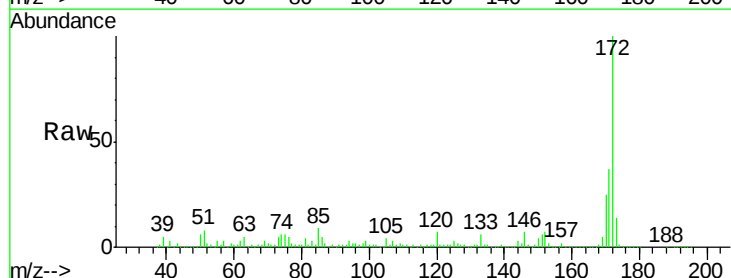
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-21

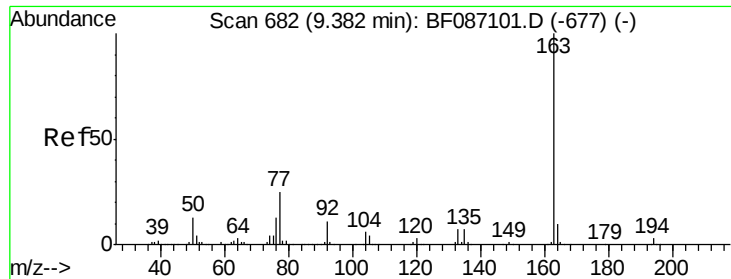
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 79.0  | 118.4 |
| 141     | 38.8  | 31.2  | 46.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 92.85 ng  
 RT: 8.94 min Scan# 643  
 Delta R.T. -0.05 min  
 Lab File: BF087223.D  
 Acq: 20 May 2016 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.0  | 43.6  |
| 170     | 24.7  | 19.8  | 29.8  |





#49

Dimethylphthalate

Concen: 4.96 ng

RT: 9.34 min Scan# 678

Delta R.T. -0.06 min

Lab File: BF087223.D

Acq: 20 May 2016 10:28

Instrument :

BNA\_F

ClientSampleId :

MW-21

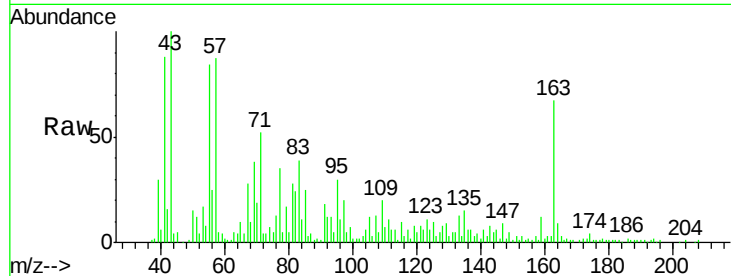
Tgt Ion:163 Resp: 81646

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

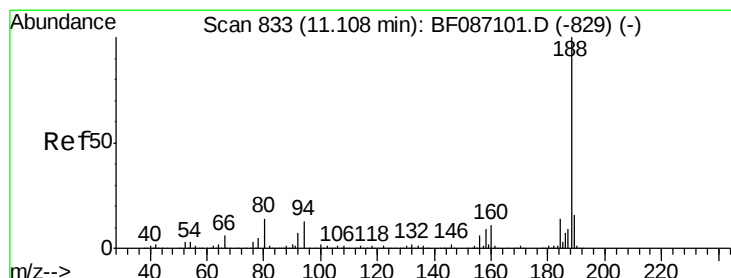
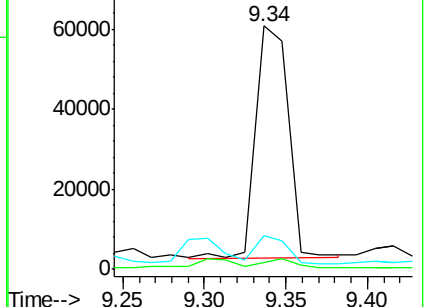
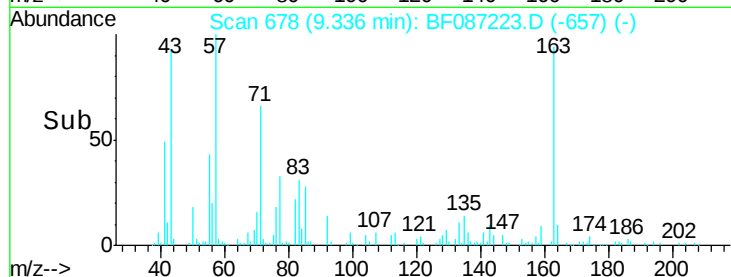
164 13.8 8.2 12.4#



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: 11.08 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF087223.D

Acq: 20 May 2016 10:28

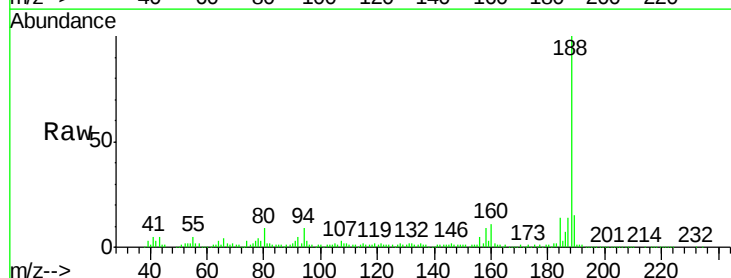
Tgt Ion:188 Resp: 378477

Ion Ratio Lower Upper

188 100

94 9.0 6.8 10.2

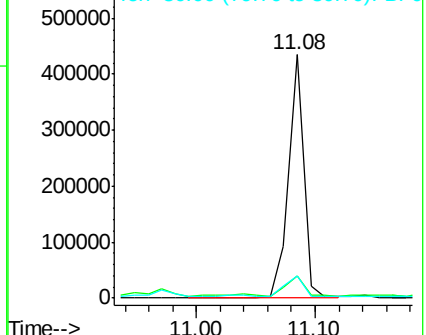
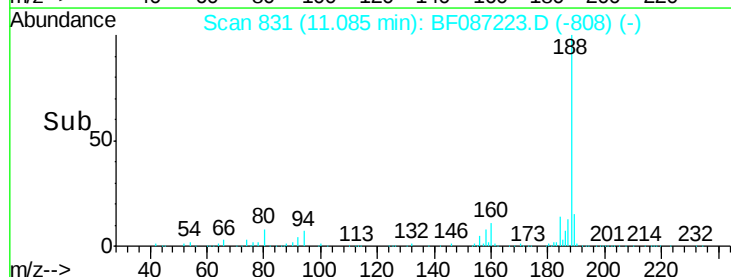
80 9.4 7.1 10.7

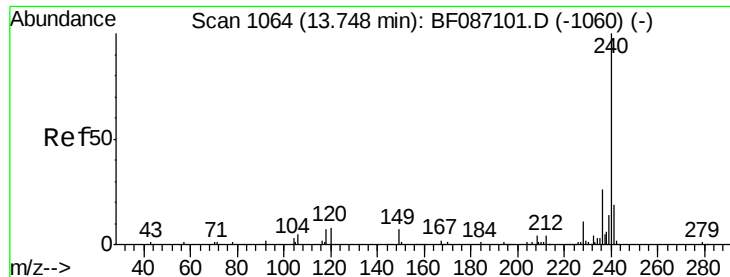


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.70 min Scan# 1060

Delta R.T. -0.06 min

Lab File: BF087223.D

Acq: 20 May 2016 10:28

Instrument :

BNA\_F

ClientSampleId :

MW-21

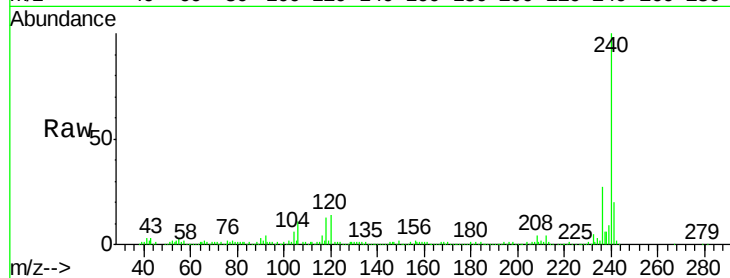
Tgt Ion:240 Resp: 266740

Ion Ratio Lower Upper

240 100

120 14.1 11.2 16.8

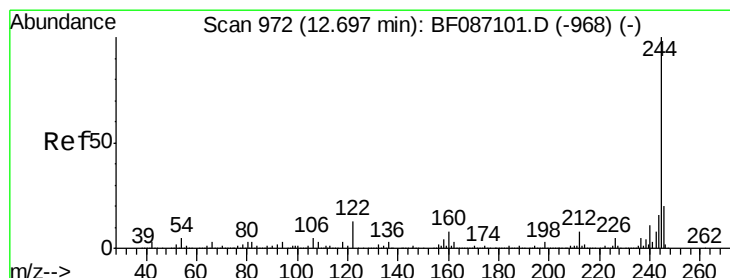
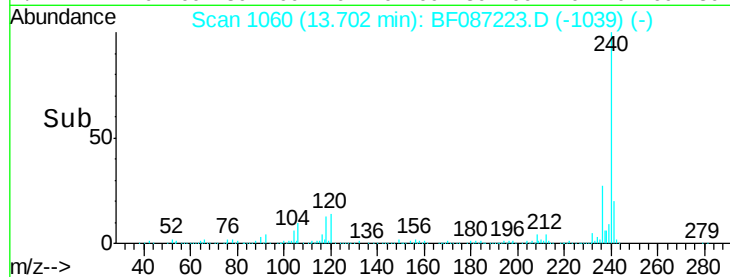
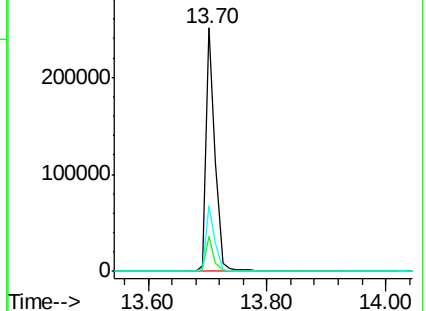
236 26.9 21.2 31.8



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: 58.13 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF087223.D

Acq: 20 May 2016 10:28

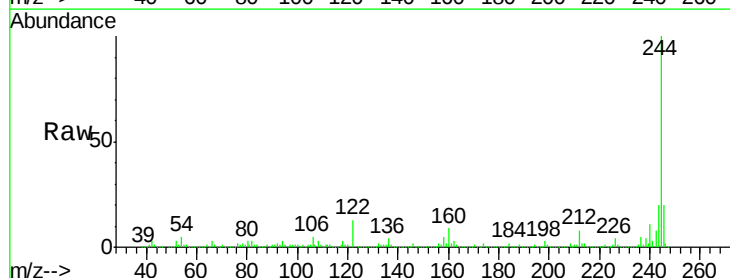
Tgt Ion:244 Resp: 685484

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

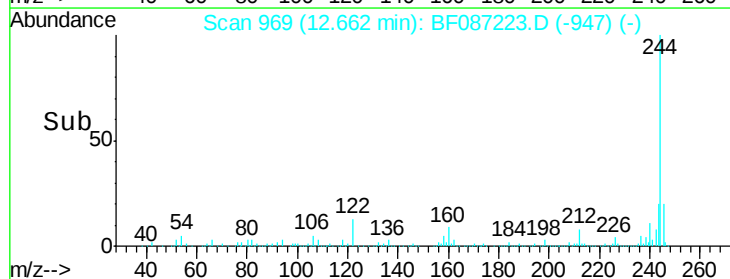
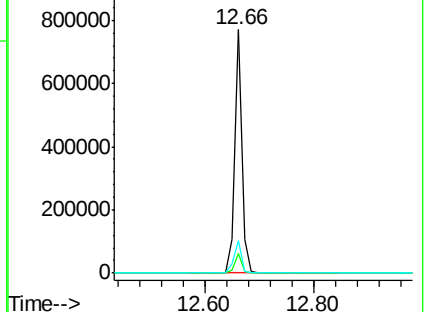
122 13.1 12.0 18.0

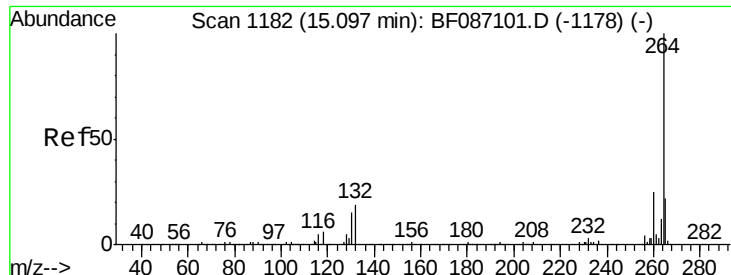


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

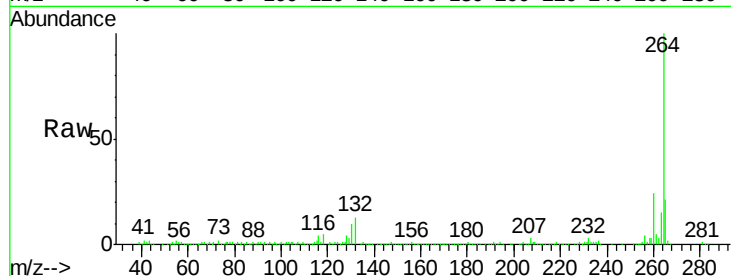




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.06 min Scan# 1179  
Delta R.T. -0.05 min  
Lab File: BF087223.D  
Acq: 20 May 2016 10:28

Instrument :  
BNA\_F  
ClientSampleId :  
MW-21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.5  | 29.3  |
| 265     | 21.0  | 17.3  | 25.9  |



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

