

Data File : BF100456.D  
Acq On : 11 Nov 2017 23:31  
Operator : SJ/JU  
Sample : I6369-01  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
110617-TIDO-F-D-B

Quant Time: Nov 13 04:40:48 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 10 15:44:40 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.90  | 152  | 146551   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.19  | 136  | 532547   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.94  | 164  | 215749   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.43 | 188  | 336832   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.06 | 240  | 298077   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.55 | 264  | 216408   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.52  | 112 | 431726  | 47.22  | ng | 0.00  |
| 7) Phenol-d6                | 6.52  | 99  | 343078  | 30.43  | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.47  | 82  | 832551  | 103.36 | ng | 0.00  |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330 | 166878  | 75.91  | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.26  | 172 | 1378234 | 97.27  | ng | 0.00  |
| 78) Terphenyl-d14           | 13.01 | 244 | 985567  | 75.97  | ng | 0.00  |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.47  | 70  | 110960 | 14.19 | ng | # 78   |
| 25) Isophorone                 | 7.47  | 82  | 827919 | 48.91 | ng | # 64   |
| 47) 2-Nitroaniline             | 9.65  | 65  | 468    | 2.89  | ng | # 1    |
| 49) Dimethylphthalate          | 9.65  | 163 | 60305  | 3.66  | ng | 99     |
| 50) 2,6-Dinitrotoluene         | 9.94  | 165 | 27729  | 8.50  | ng | # 25   |
| 56) 2,4-Dinitrotoluene         | 9.94  | 165 | 27729  | 6.74  | ng | # 23   |
| 62) Azobenzene                 | 10.65 | 77  | 41513  | 2.67  | ng | # 1    |
| 64) 4,6-Dinitro-2-methylphenol | 10.72 | 198 | 264    | 8.70  | ng | # 1    |
| 66) 4-Bromophenyl-phenylether  | 10.73 | 248 | 10696  | 2.96  | ng | # 1    |

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

Data File : BF100456.D

Acq On : 11 Nov 2017 23:31

Operator : SJ/JU

Sample : I6369-01

Misc :

ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA\_F

ClientSampleId :

110617-TIDO-F-D-B

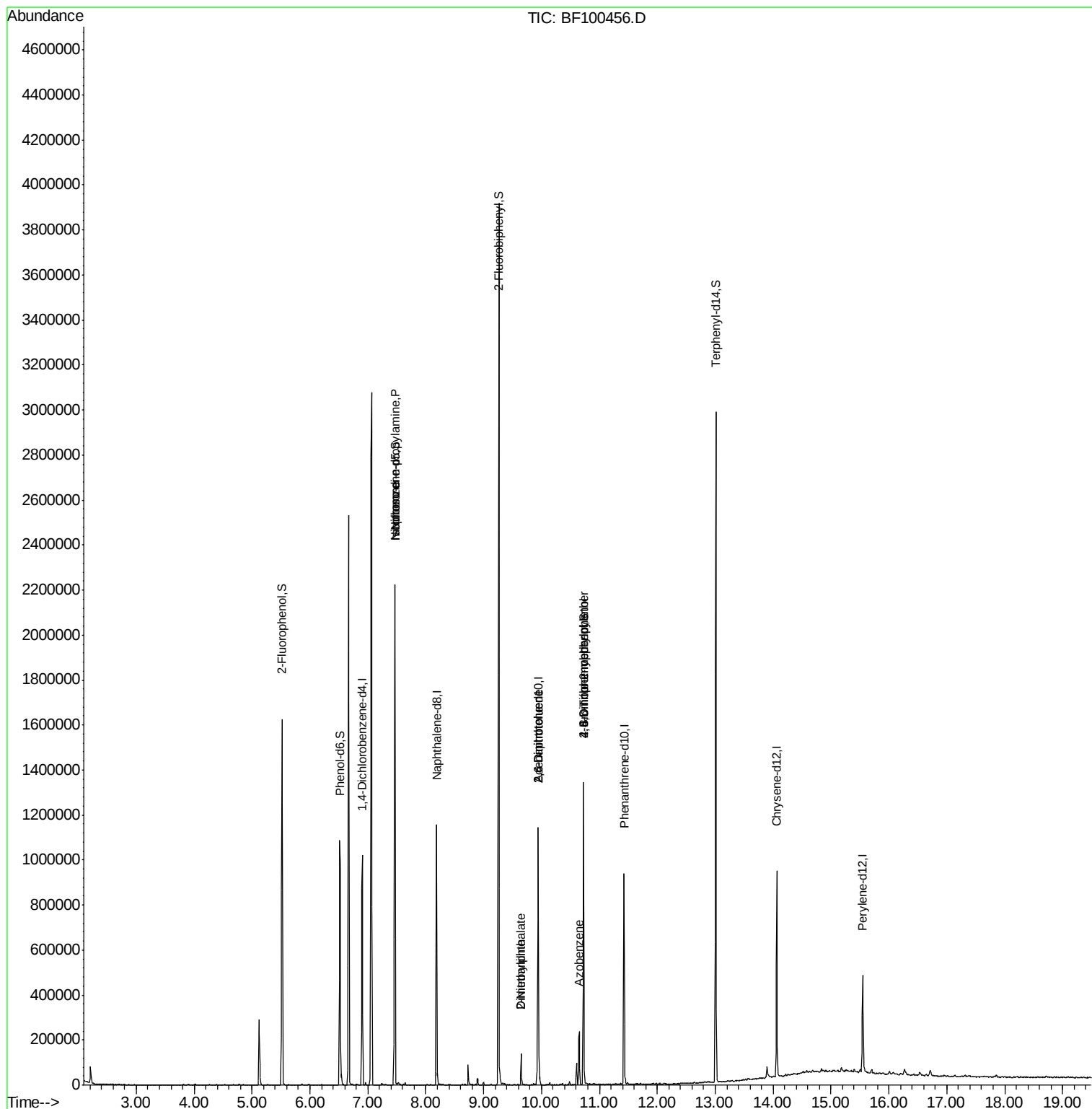
Quant Time: Nov 13 04:40:48 2017

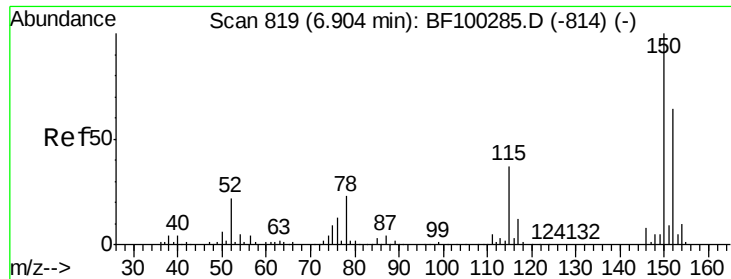
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Nov 10 15:44:40 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF100456.D

Acq: 11 Nov 2017 23:31

Instrument :

BNA\_F

ClientSampleId :

110617-TIDO-F-D-B

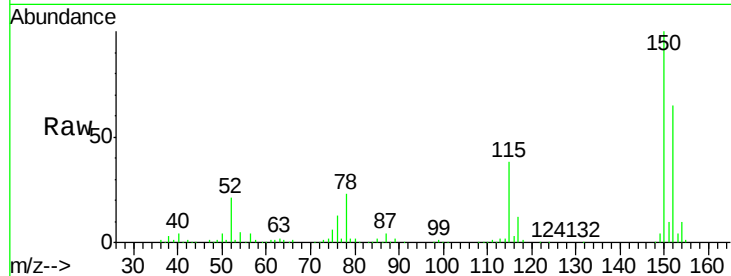
Tgt Ion:152 Resp: 146551

Ion Ratio Lower Upper

152 100

150 153.0 124.6 186.8

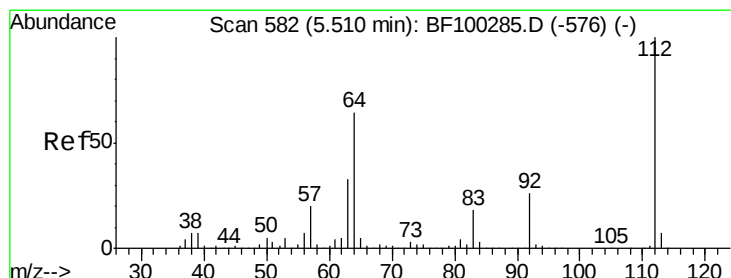
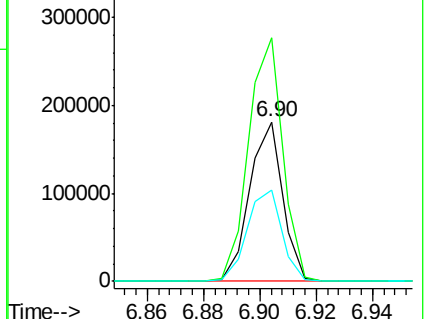
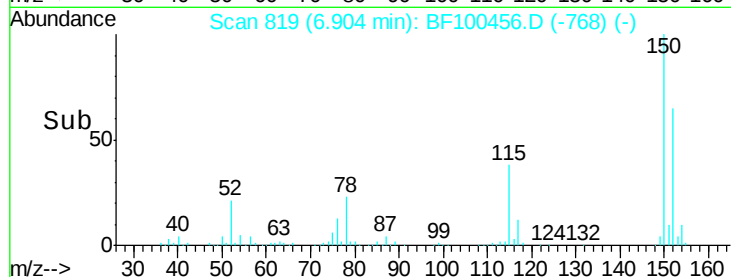
115 57.6 50.1 75.1



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: 47.22 ng

RT: 5.52 min Scan# 583

Delta R.T. -0.00 min

Lab File: BF100456.D

Acq: 11 Nov 2017 23:31

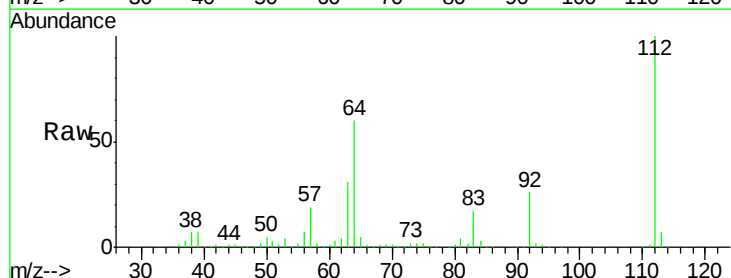
Tgt Ion:112 Resp: 431726

Ion Ratio Lower Upper

112 100

64 60.5 47.9 71.9

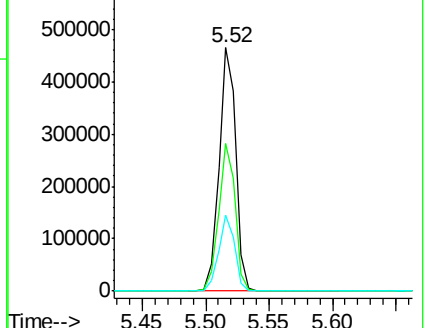
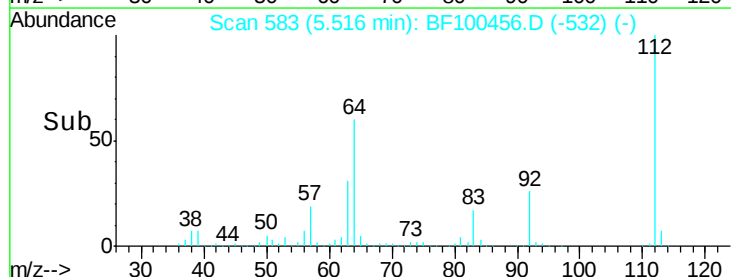
63 31.1 23.7 35.5

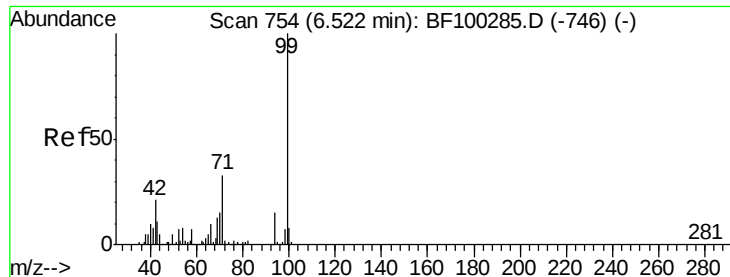


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 30.43 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100456.D

Acq: 11 Nov 2017 23:31

Instrument :

BNA\_F

ClientSampleId :

110617-TIDO-F-D-B

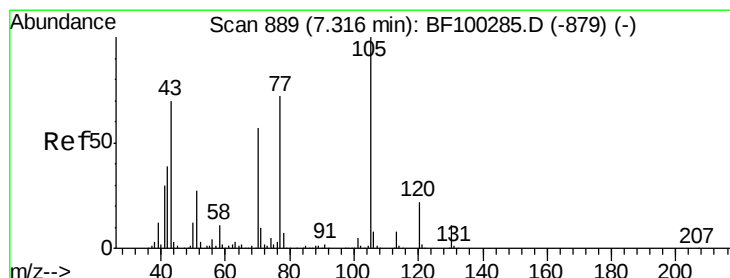
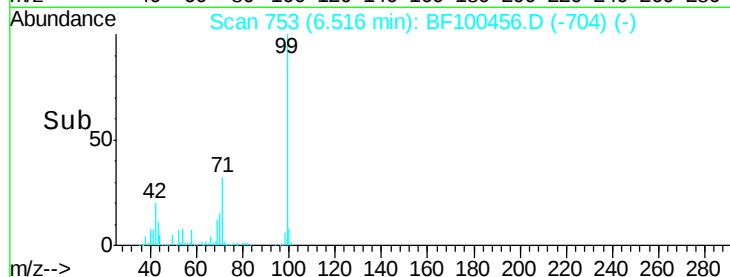
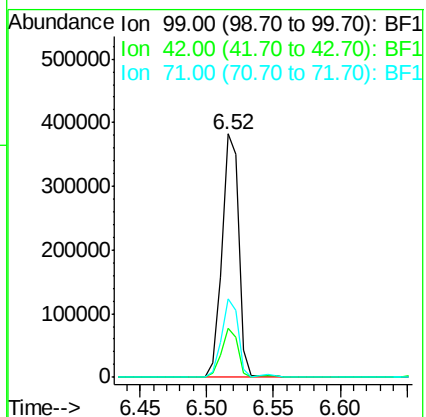
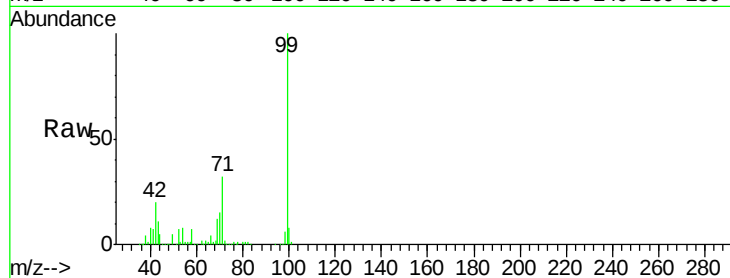
Tgt Ion: 99 Resp: 343078

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

71 32.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.19 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.15 min

Lab File: BF100456.D

Acq: 11 Nov 2017 23:31

Tgt Ion: 70 Resp: 110960

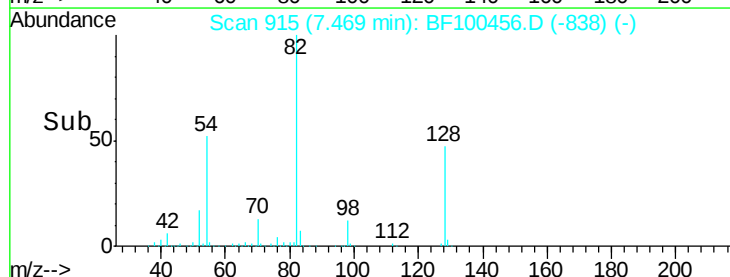
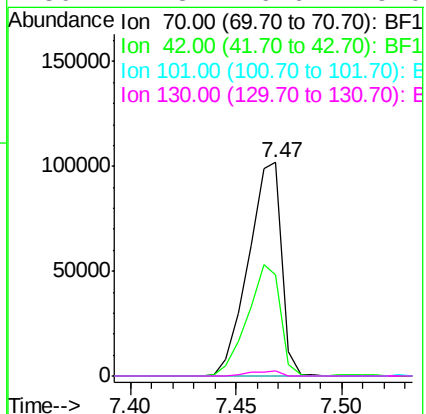
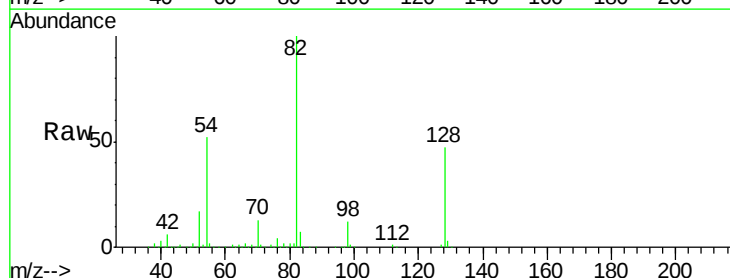
Ion Ratio Lower Upper

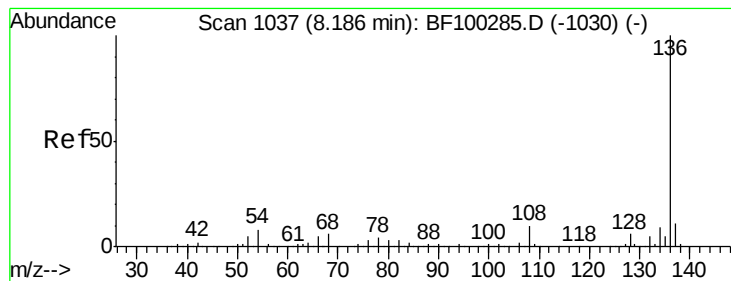
70 100

42 47.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF100456.D

Acq: 11 Nov 2017 23:31

Instrument :

BNA\_F

ClientSampleId :

110617-TIDO-F-D-B

Tgt Ion: 136 Resp: 532547

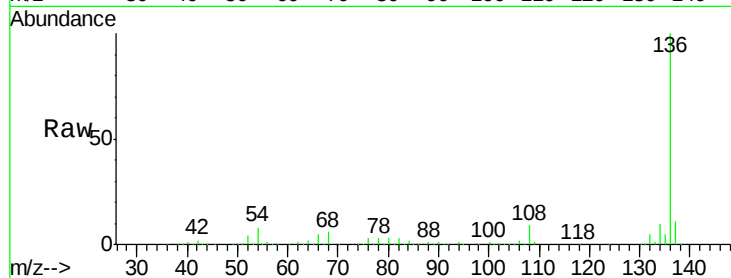
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.9 6.6 9.8

68 6.0 5.0 7.4

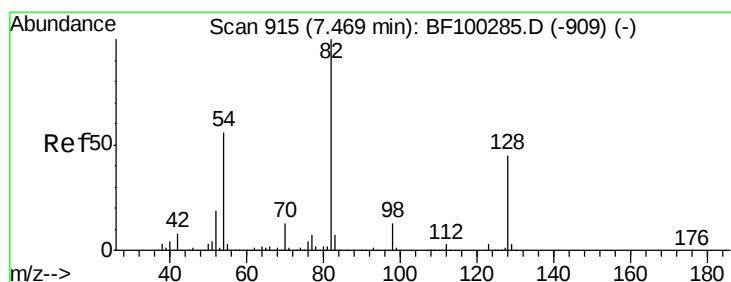
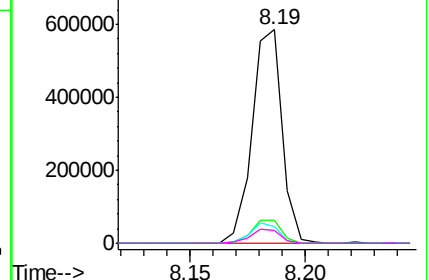
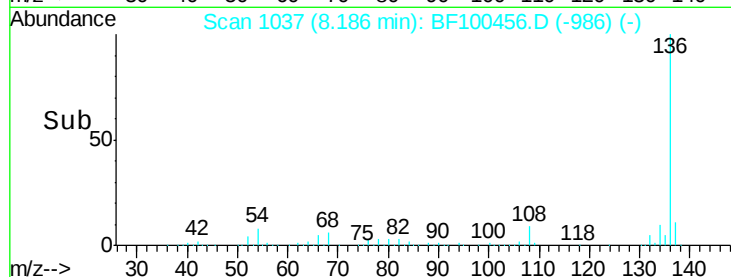


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 103.36 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF100456.D

Acq: 11 Nov 2017 23:31

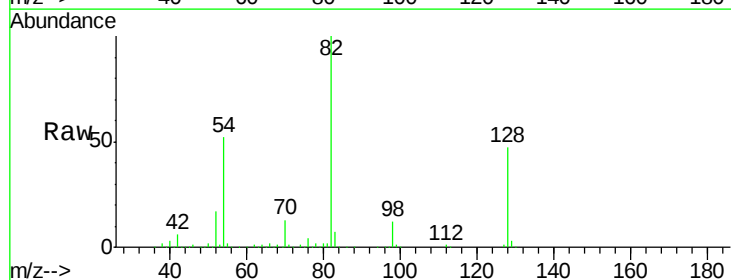
Tgt Ion: 82 Resp: 832551

Ion Ratio Lower Upper

82 100

128 47.2 36.1 54.1

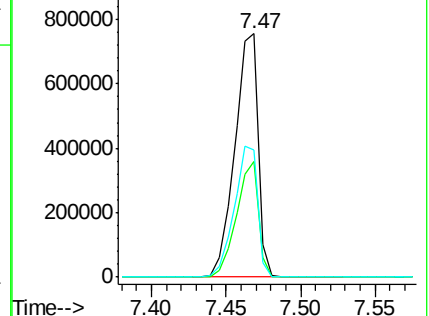
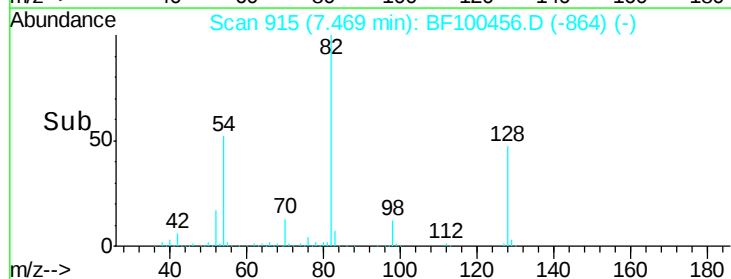
54 52.2 41.4 62.2

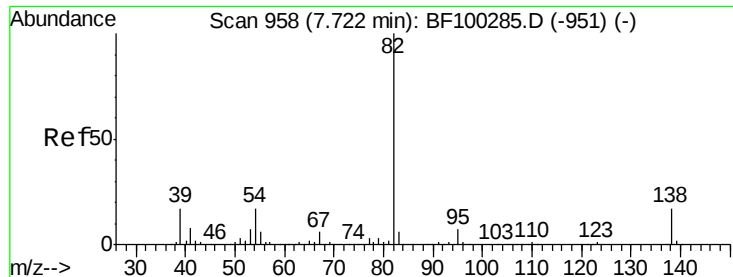


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

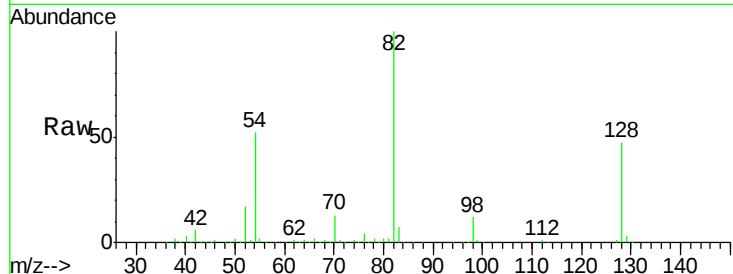




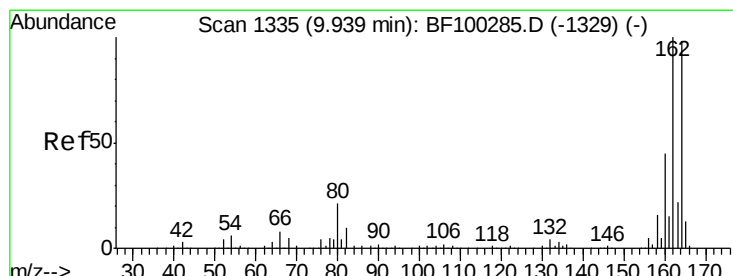
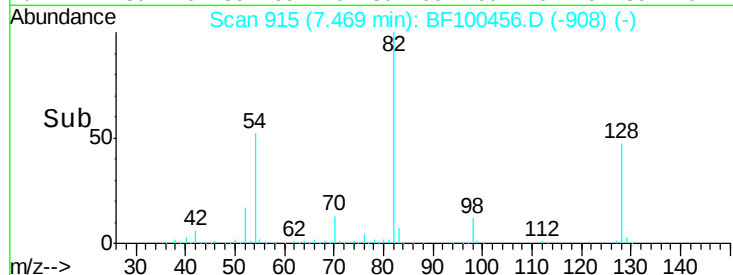
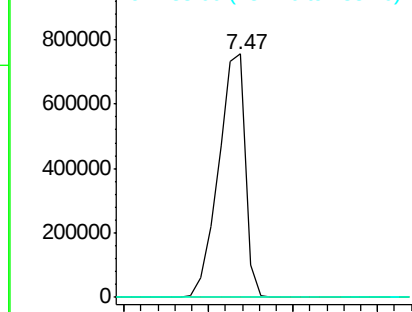
#25  
Isophorone  
Concen: 48.91 ng  
RT: 7.47 min Scan# 915  
Delta R.T. -0.26 min  
Lab File: BF100456.D  
Acq: 11 Nov 2017 23:31

Instrument :  
BNA\_F  
ClientSampleId :  
110617-TIDO-F-D-B

Tgt Ion: 82 Resp: 827919  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.2 7.8#  
138 0.0 14.9 22.3#

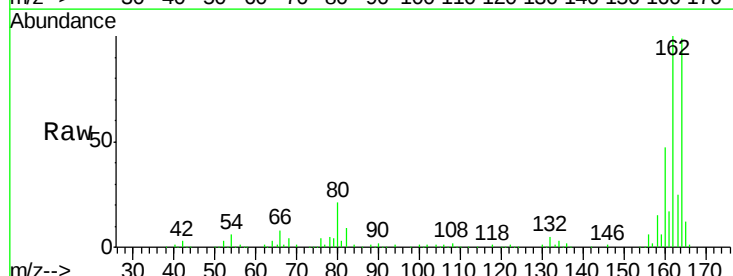


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

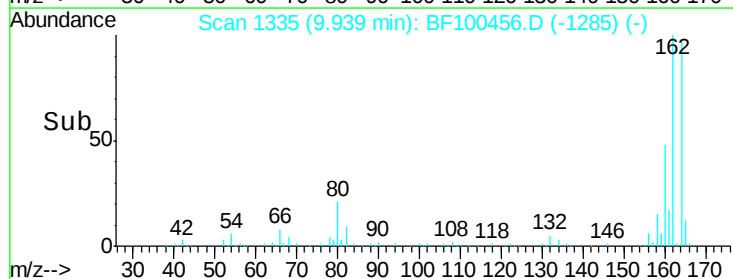
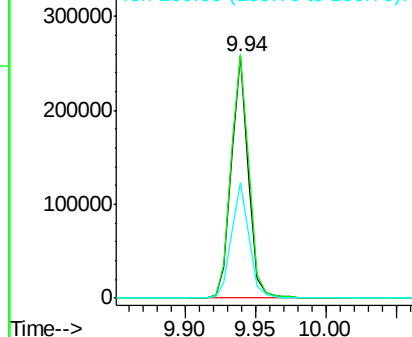


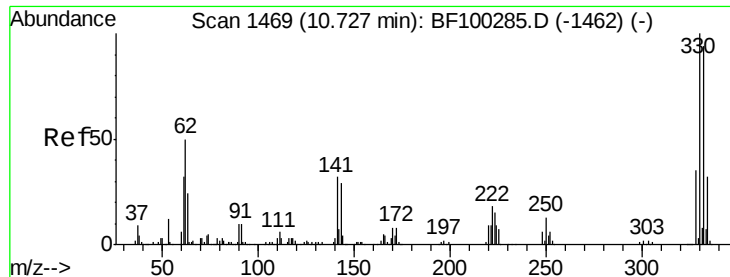
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.01 min  
Lab File: BF100456.D  
Acq: 11 Nov 2017 23:31

Tgt Ion: 164 Resp: 215749  
Ion Ratio Lower Upper  
164 100  
162 100.7 86.1 129.1  
160 47.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

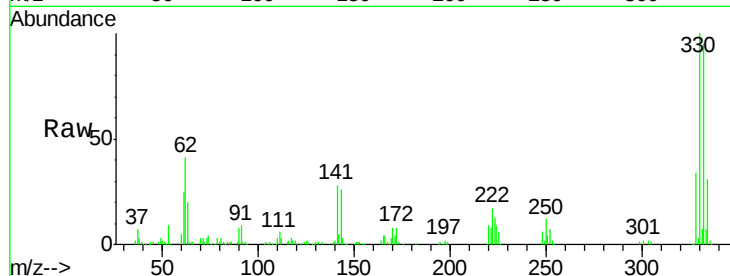




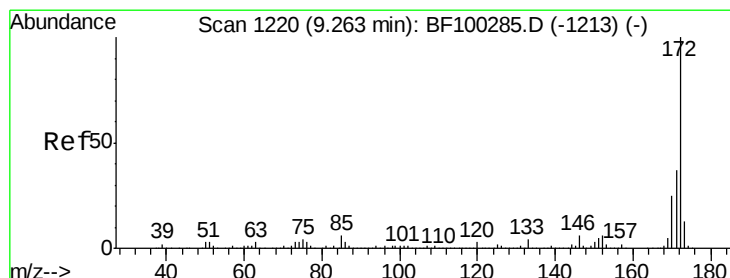
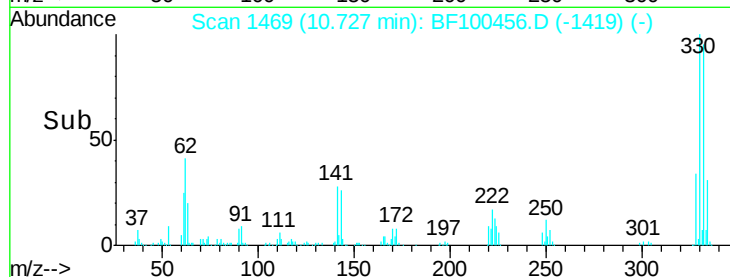
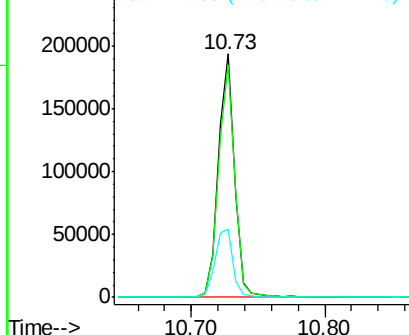
#41  
 2,4,6-Tribromophenol  
 Concen: 75.91 ng  
 RT: 10.73 min Scan# 1469  
 Delta R.T. -0.01 min  
 Lab File: BF100456.D  
 Acq: 11 Nov 2017 23:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 110617-TIDO-F-D-B

Tgt Ion:330 Resp: 166878  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 77.0 115.6  
 141 31.1 29.9 44.9

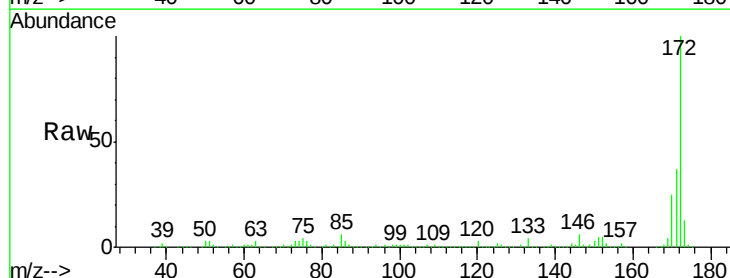


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

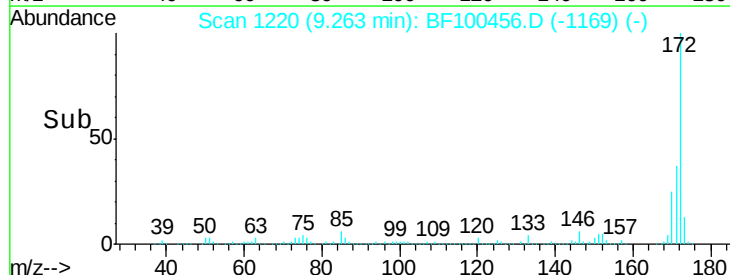
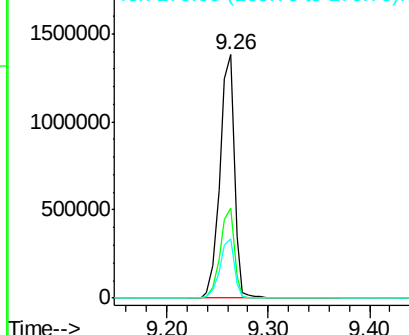


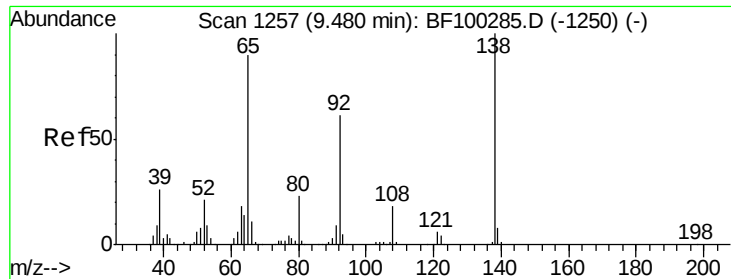
#44  
 2-Fluorobiphenyl  
 Concen: 97.27 ng  
 RT: 9.26 min Scan# 1220  
 Delta R.T. -0.00 min  
 Lab File: BF100456.D  
 Acq: 11 Nov 2017 23:31

Tgt Ion:172 Resp: 1378234  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.7 44.5  
 170 24.6 19.6 29.4



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

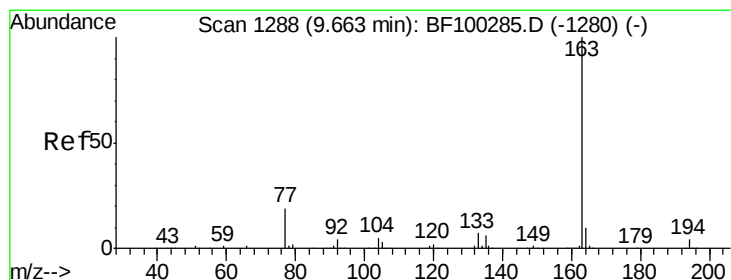
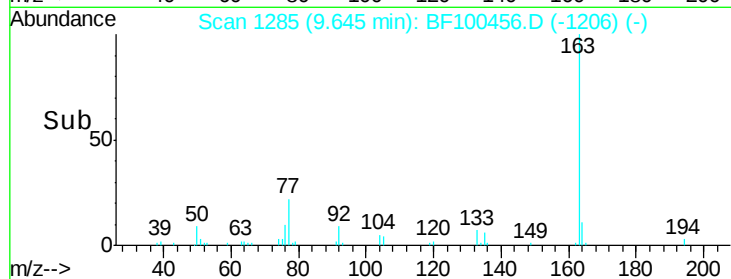
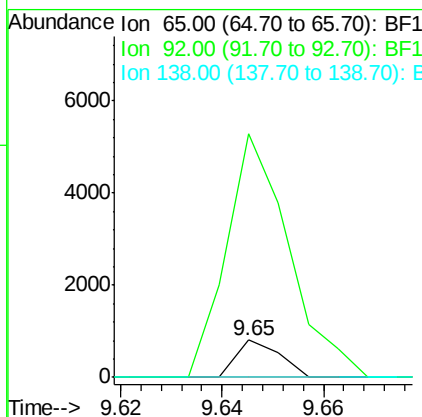
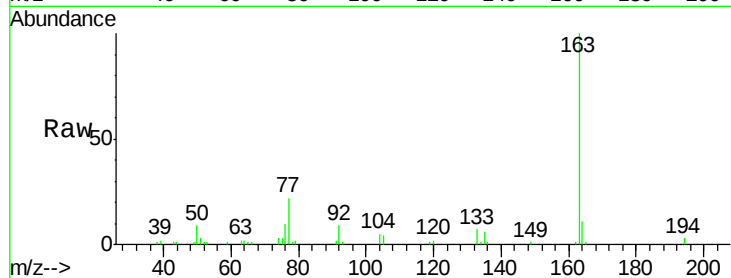




#47  
2-Nitroaniline  
Concen: 2.89 ng  
RT: 9.65 min Scan# 1285  
Delta R.T. 0.16 min  
Lab File: BF100456.D  
Acq: 11 Nov 2017 23:31

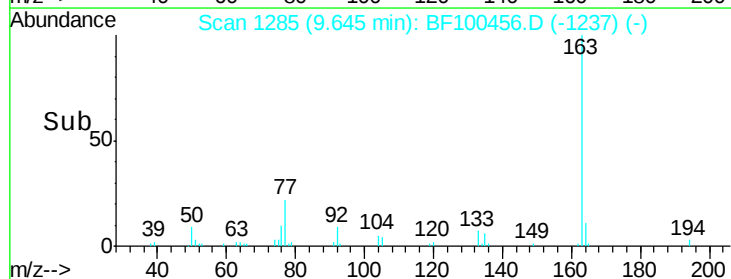
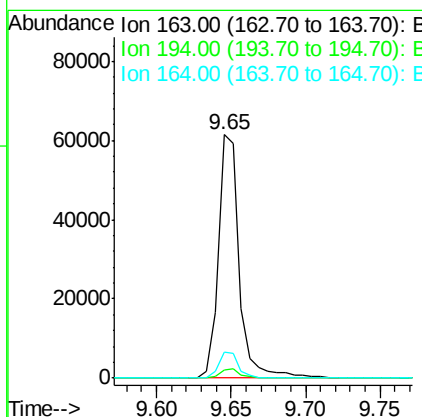
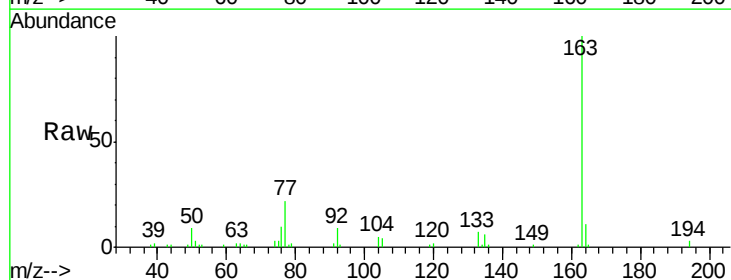
Instrument :  
BNA\_F  
ClientSampleId :  
110617-TIDO-F-D-B

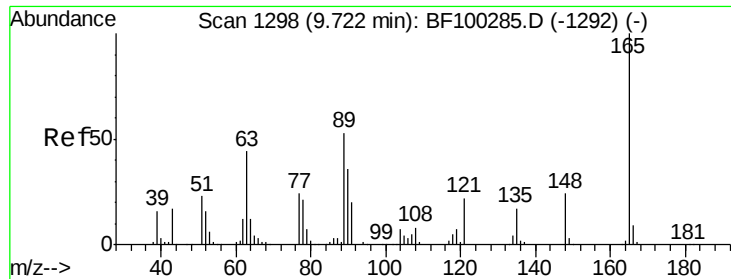
Tgt Ion: 65 Resp: 468  
Ion Ratio Lower Upper  
65 100  
92 659.8 55.8 83.6#  
138 0.0 91.2 136.8#



#49  
Dimethylphthalate  
Concen: 3.66 ng  
RT: 9.65 min Scan# 1285  
Delta R.T. -0.02 min  
Lab File: BF100456.D  
Acq: 11 Nov 2017 23:31

Tgt Ion: 163 Resp: 60305  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.7 4.1  
164 10.7 8.2 12.2

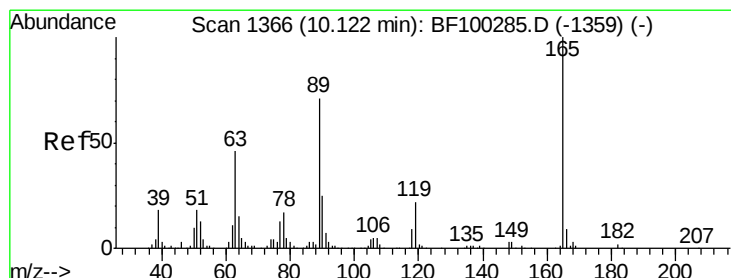
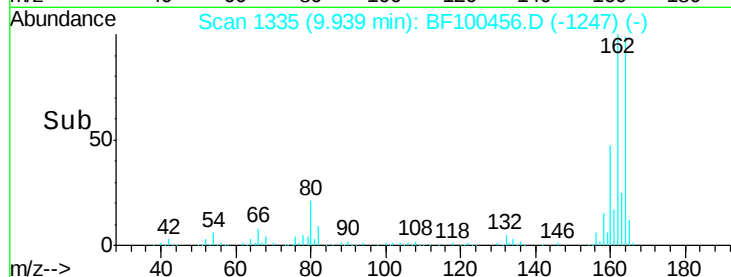
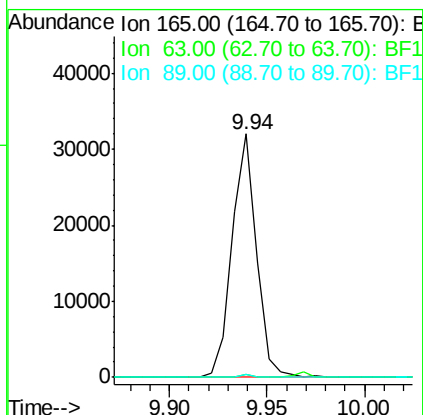
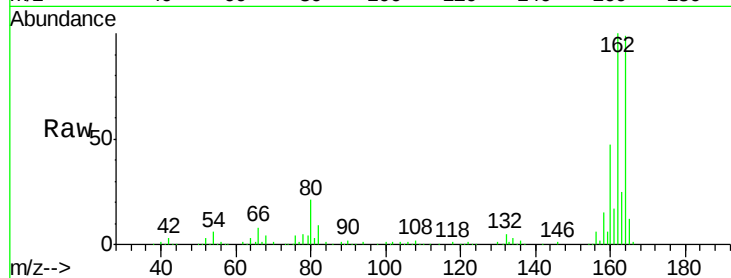




#50  
2,6-Dinitrotoluene  
Concen: 8.50 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. 0.22 min  
Lab File: BF100456.D  
Acq: 11 Nov 2017 23:31

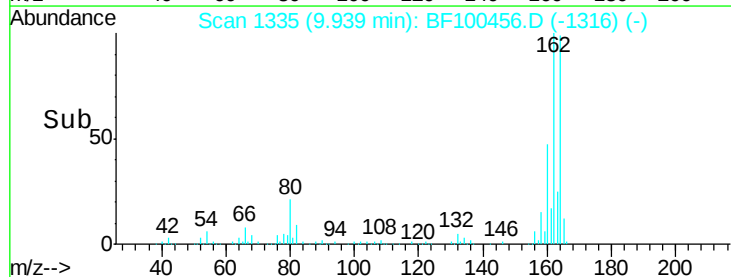
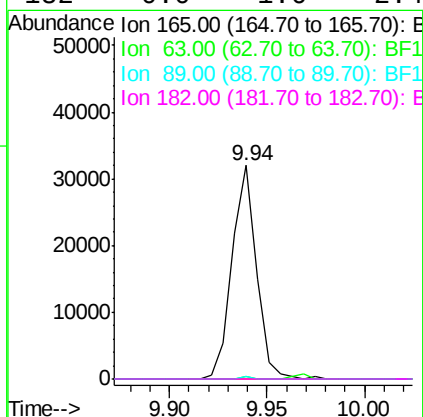
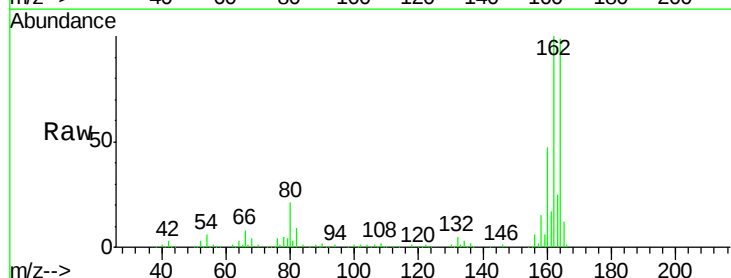
Instrument :  
BNA\_F  
ClientSampleId :  
110617-TIDO-F-D-B

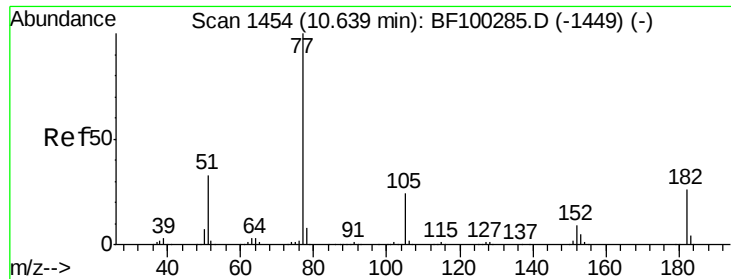
Tgt Ion:165 Resp: 27729  
Ion Ratio Lower Upper  
165 100  
63 1.1 44.7 67.1#  
89 1.3 44.0 66.0#



#56  
2,4-Dinitrotoluene  
Concen: 6.74 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.19 min  
Lab File: BF100456.D  
Acq: 11 Nov 2017 23:31

Tgt Ion:165 Resp: 27729  
Ion Ratio Lower Upper  
165 100  
63 1.1 36.4 54.6#  
89 1.3 57.8 86.6#  
182 0.0 1.6 2.4#

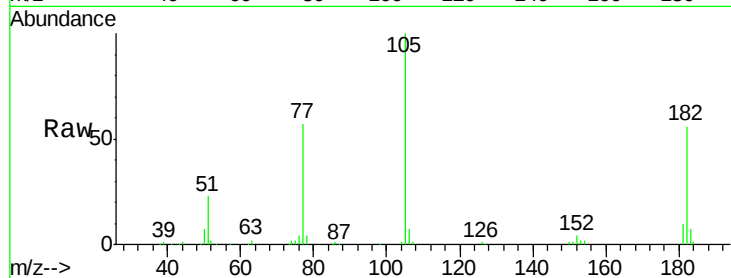




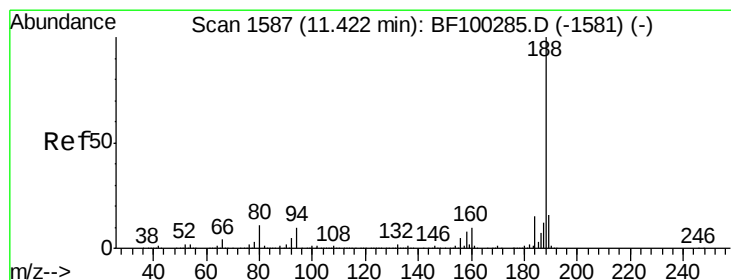
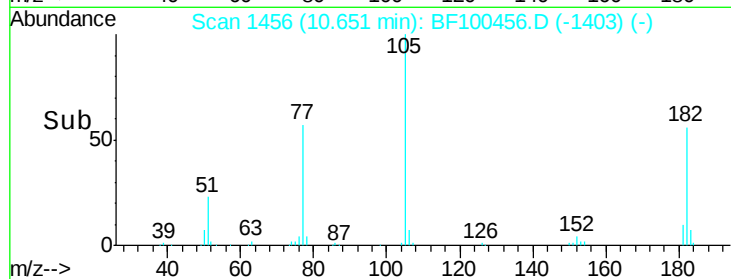
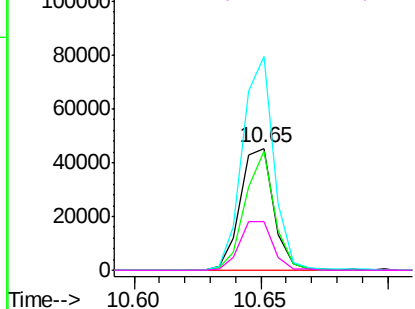
#62  
Azobenzene  
Concen: 2.67 ng  
RT: 10.65 min Scan# 1456  
Delta R.T. 0.01 min  
Lab File: BF100456.D  
Acq: 11 Nov 2017 23:31

Instrument :  
BNA\_F  
ClientSampleId :  
110617-TIDO-F-D-B

Tgt Ion: 77 Resp: 41513  
Ion Ratio Lower Upper  
77 100  
182 97.8 1.7 41.7#  
105 175.4 3.0 43.0#  
51 39.9 9.9 49.9

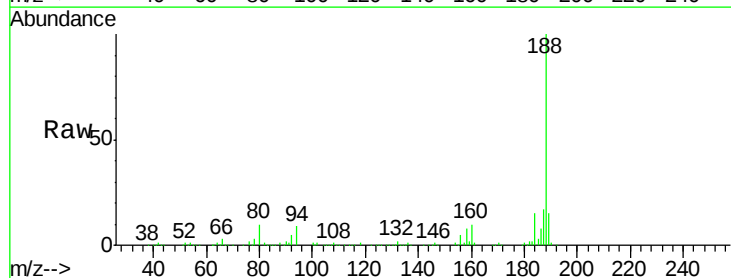


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1

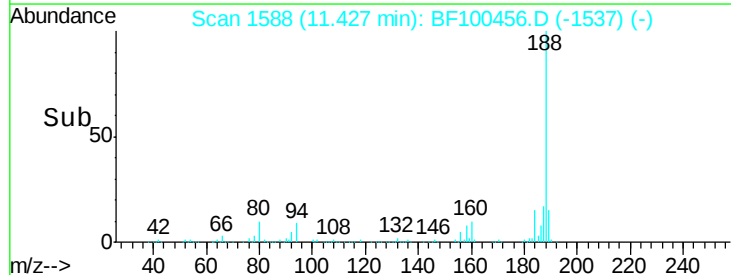
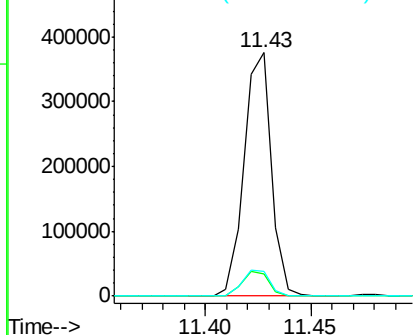


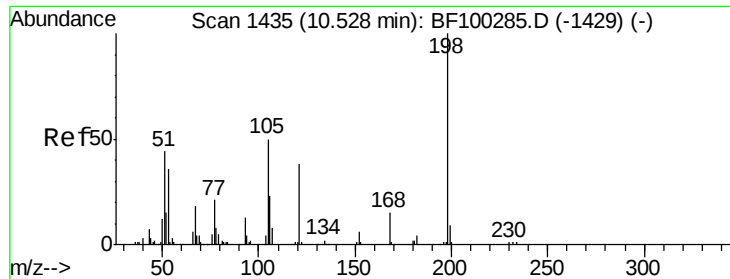
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.43 min Scan# 1588  
Delta R.T. -0.00 min  
Lab File: BF100456.D  
Acq: 11 Nov 2017 23:31

Tgt Ion: 188 Resp: 336832  
Ion Ratio Lower Upper  
188 100  
94 9.3 8.5 12.7  
80 10.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): BF1  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

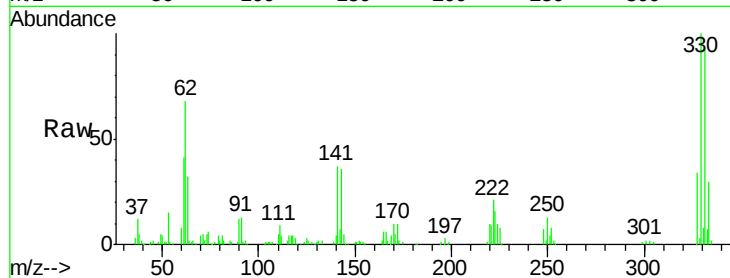




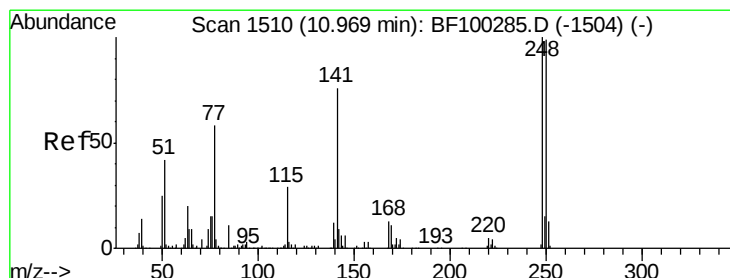
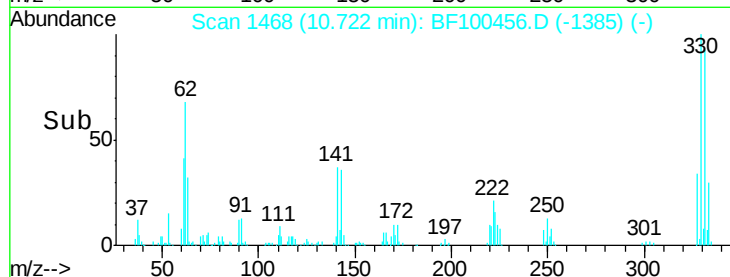
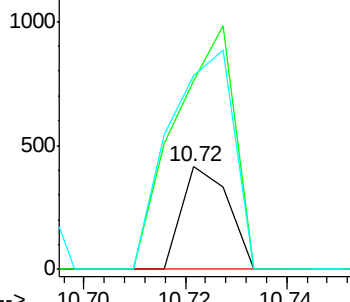
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.70 ng  
 RT: 10.72 min Scan# 1468  
 Delta R.T. 0.19 min  
 Lab File: BF100456.D  
 Acq: 11 Nov 2017 23:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 110617-TIDO-F-D-B

Tgt Ion:198 Resp: 264  
 Ion Ratio Lower Upper  
 198 100  
 51 183.6 37.7 77.7#  
 105 188.9 36.3 76.3#

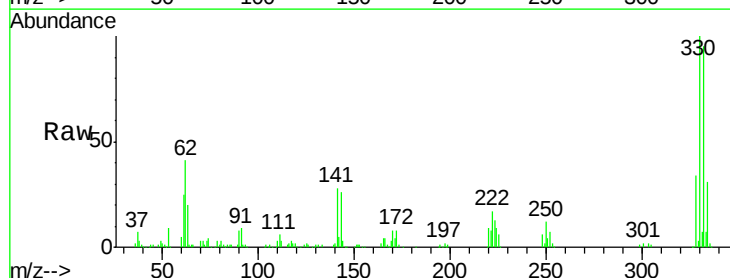


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

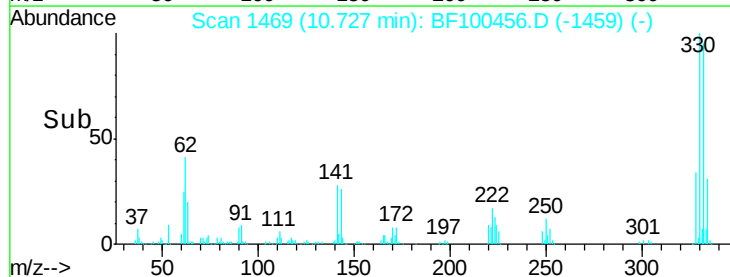
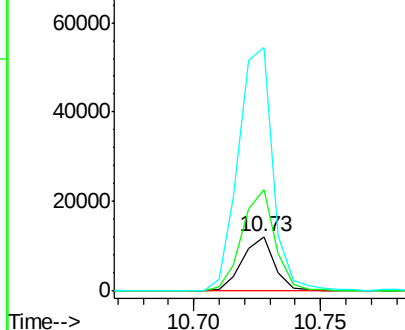


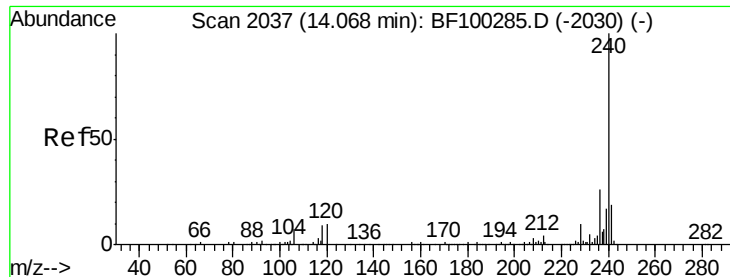
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.96 ng  
 RT: 10.73 min Scan# 1469  
 Delta R.T. -0.24 min  
 Lab File: BF100456.D  
 Acq: 11 Nov 2017 23:31

Tgt Ion:248 Resp: 10696  
 Ion Ratio Lower Upper  
 248 100  
 250 184.4 76.9 115.3#  
 141 444.4 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100456.D

Acq: 11 Nov 2017 23:31

Instrument :

BNA\_F

ClientSampleId :

110617-TIDO-F-D-B

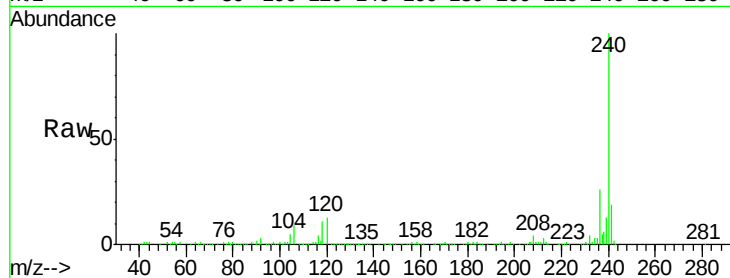
Tgt Ion:240 Resp: 298077

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

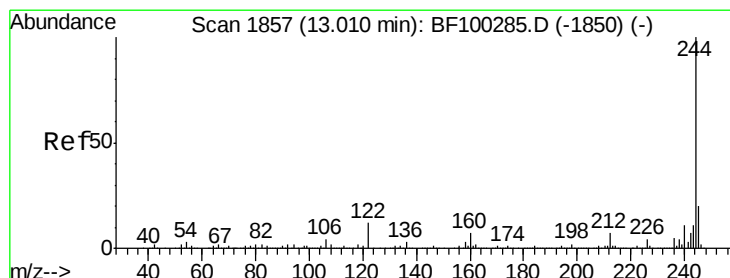
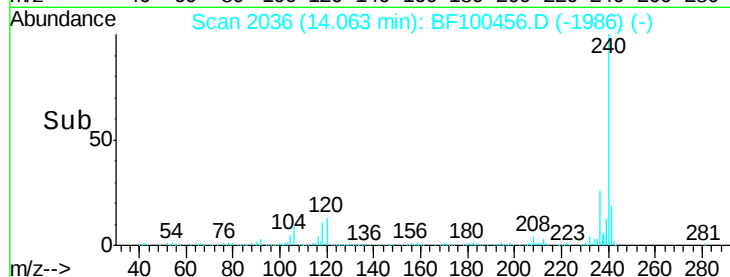
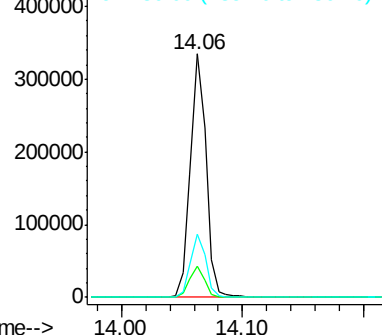
236 25.8 20.7 31.1



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: 75.97 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100456.D

Acq: 11 Nov 2017 23:31

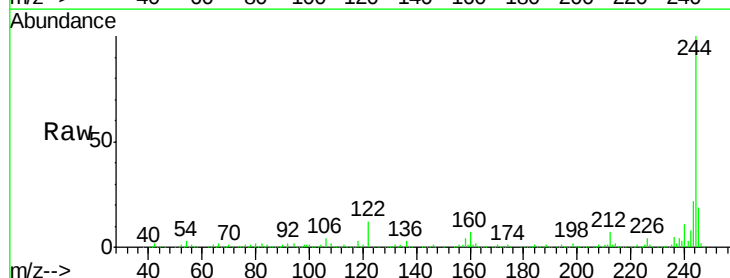
Tgt Ion:244 Resp: 985567

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

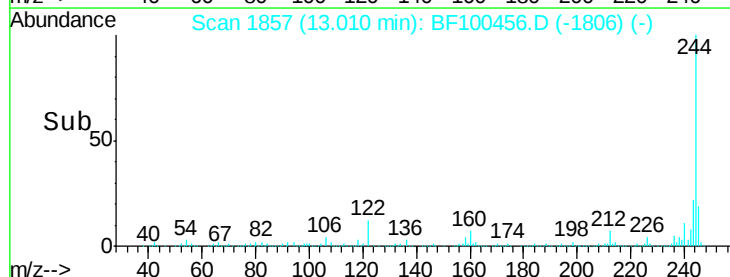
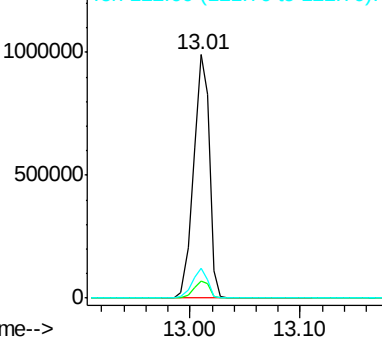
122 12.4 11.0 16.4

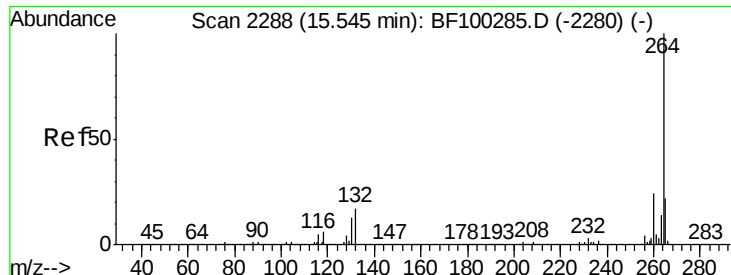


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

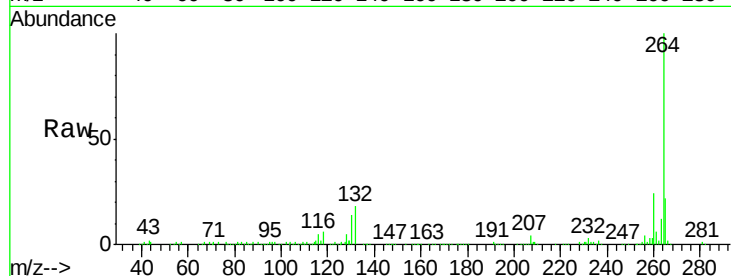




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.55 min Scan# 2289  
Delta R.T. 0.01 min  
Lab File: BF100456.D  
Acq: 11 Nov 2017 23:31

Instrument :  
BNA\_F  
ClientSampleId :  
110617-TIDO-F-D-B

Tgt Ion: 264 Resp: 216408  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.2 28.8  
265 21.7 17.5 26.3



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

