

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111017\  
 Data File : BF100402.D  
 Acq On : 10 Nov 2017 20:17  
 Operator : SJ/JU  
 Sample : I6367-04 2X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 10 21:58:25 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

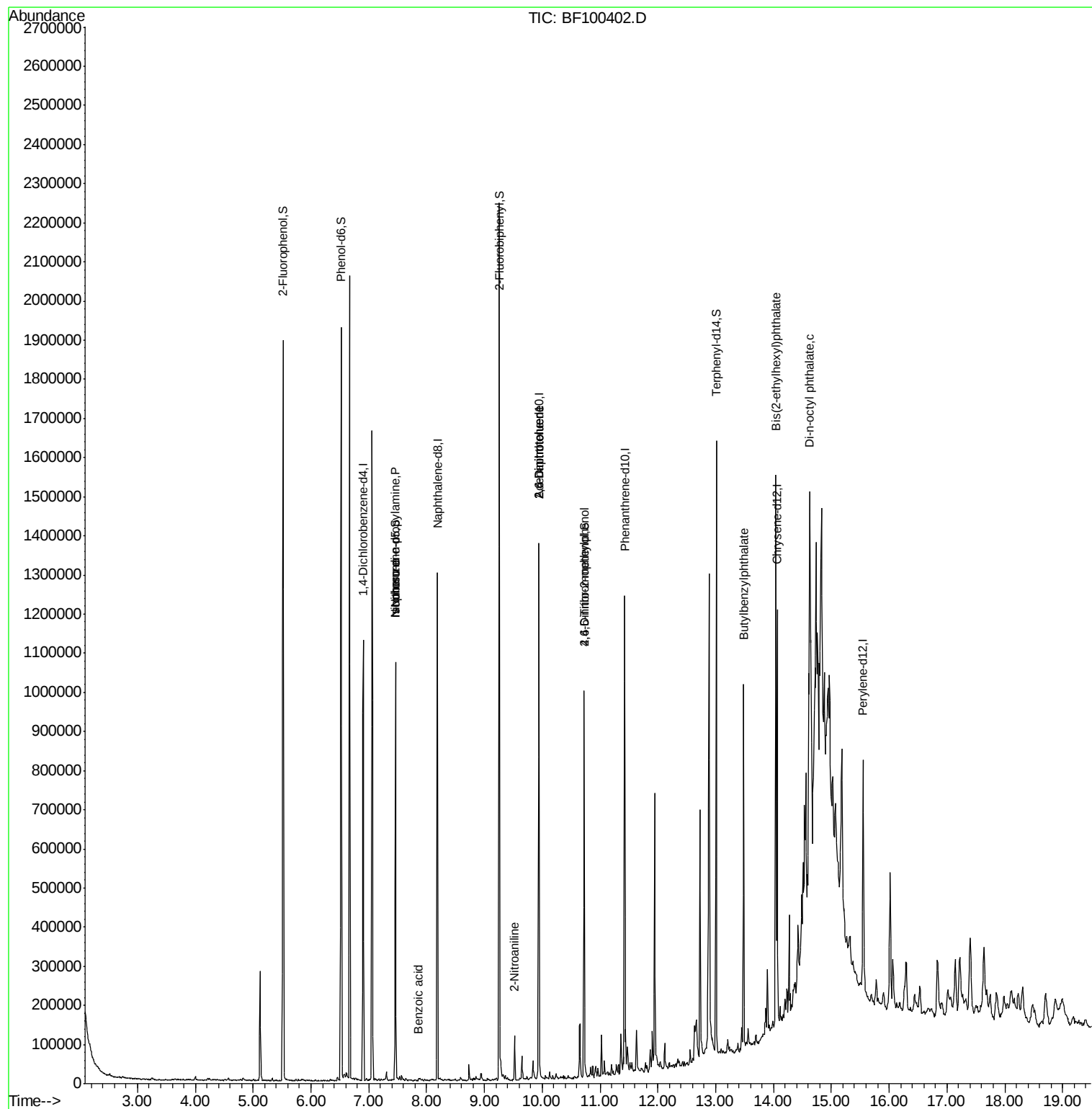
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.90  | 152  | 158544   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.19  | 136  | 600997   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.94  | 164  | 256034   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.43 | 188  | 416953   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.06 | 240  | 355368   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.55 | 264  | 263224   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 486012   | 49.14  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.52  | 99   | 572541   | 46.94  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.46  | 82   | 341329   | 37.55  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.73 | 330  | 117790   | 45.15  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.26  | 172  | 660557   | 39.29  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.01 | 244  | 489923   | 31.68  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.46  | 70   | 45652    | 5.397  | ng    | # 83     |
| 25) Isophorone                 | 7.46  | 82   | 338894   | 17.741 | ng    | # 64     |
| 32) Benzoic acid               | 7.86  | 122  | 1152     | 9.512  | ng    | # 90     |
| 47) 2-Nitroaniline             | 9.52  | 65   | 1078     | 2.998  | ng    | # 26     |
| 50) 2,6-Dinitrotoluene         | 9.94  | 165  | 32434    | 8.382  | ng    | # 26     |
| 56) 2,4-Dinitrotoluene         | 9.94  | 165  | 32434    | 6.644  | ng    | # 23     |
| 64) 4,6-Dinitro-2-methylphenol | 10.72 | 198  | 171      | 8.637  | ng    | # 1      |
| 79) Butylbenzylphthalate       | 13.48 | 149  | 194588   | 18.836 | ng    | # 98     |
| 83) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 358075   | 26.353 | ng    | # 98     |
| 84) Di-n-octyl phthalate       | 14.63 | 149  | 574316   | 24.604 | ng    | # 48     |

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

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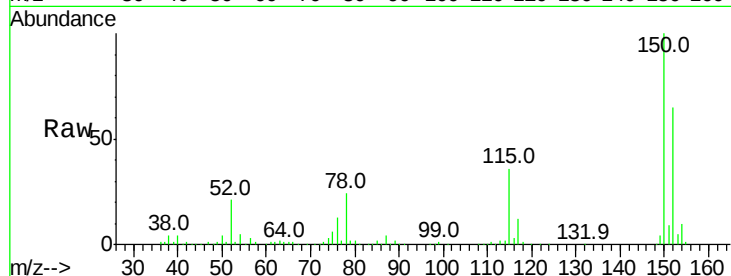


#1

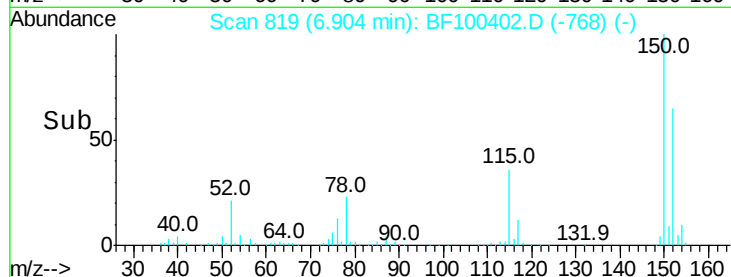
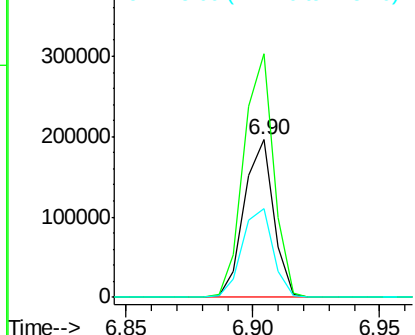
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 819  
Delta R.T. -0.00 min  
Lab File: BF100402.D  
Acq: 10 Nov 2017 20:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 158544  
Ion Ratio Lower Upper  
152 100  
150 154.3 124.6 186.8  
115 56.2 50.1 75.1



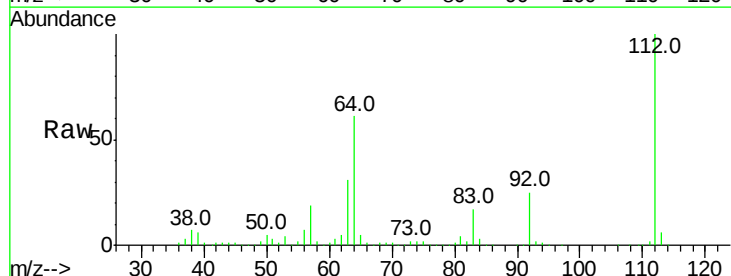
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



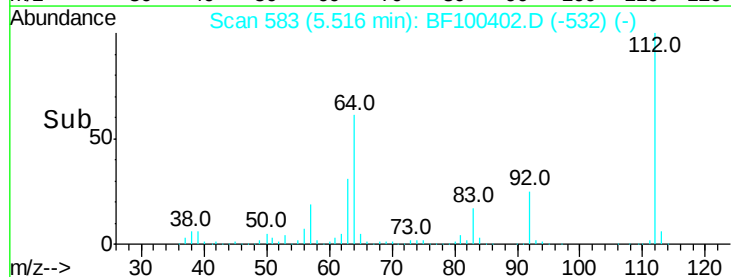
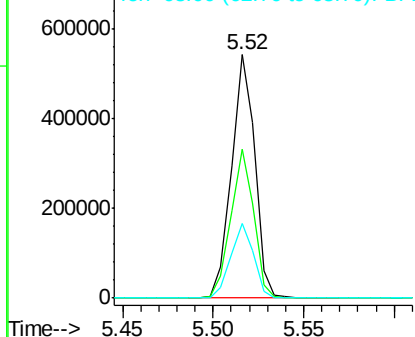
#5

2-Fluorophenol  
Concen: 49.139 ng  
RT: 5.52 min Scan# 583  
Delta R.T. -0.00 min  
Lab File: BF100402.D  
Acq: 10 Nov 2017 20:17

Tgt Ion:112 Resp: 486012  
Ion Ratio Lower Upper  
112 100  
64 61.4 47.9 71.9  
63 30.6 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: 46.944 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF100402.D

Acq: 10 Nov 2017 20:17

Instrument :

BNA\_F

ClientSampleId :

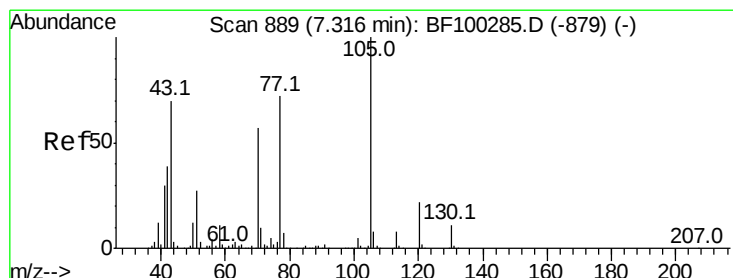
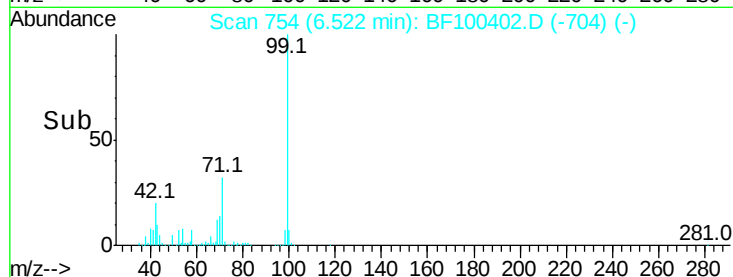
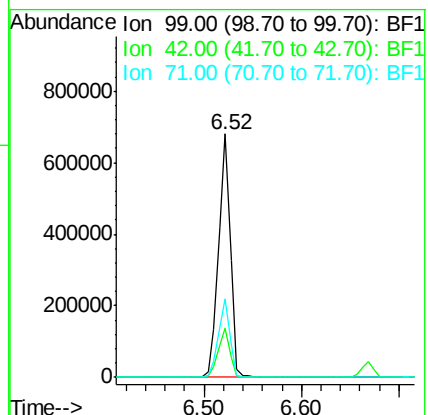
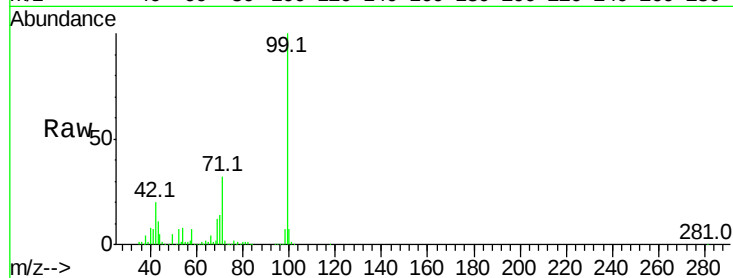
Tot Ion: 99 Resp: 572541

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

71 32.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.397 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.14 min

Lab File: BF100402.D

Acq: 10 Nov 2017 20:17

Tgt Ion: 70 Resp: 45652

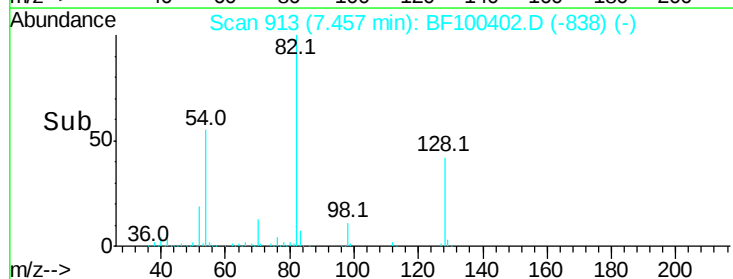
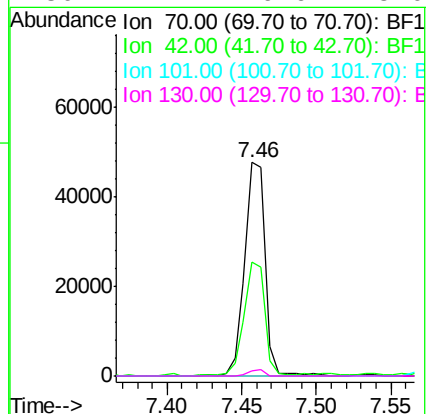
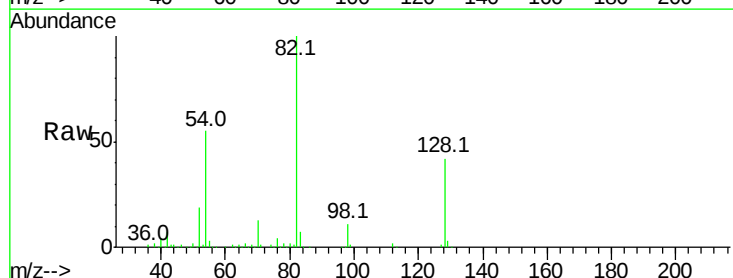
Ion Ratio Lower Upper

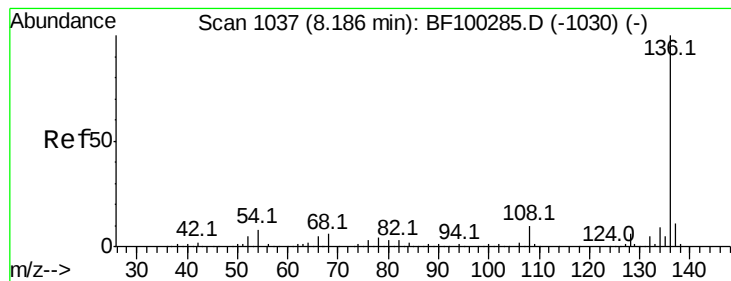
70 100

42 53.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF100402.D

Acq: 10 Nov 2017 20:17

Instrument :

BNA\_F

ClientSampled :

Tot Ion:136 Resp: 600997

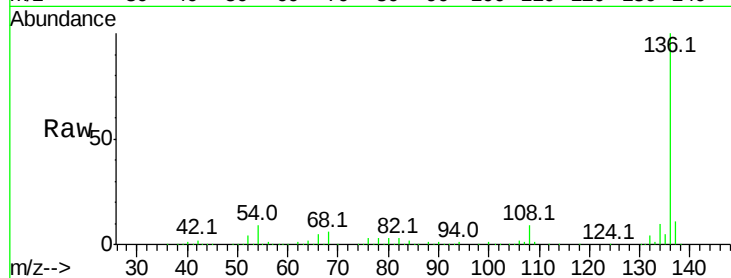
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 8.5 6.6 9.8

68 5.7 5.0 7.4

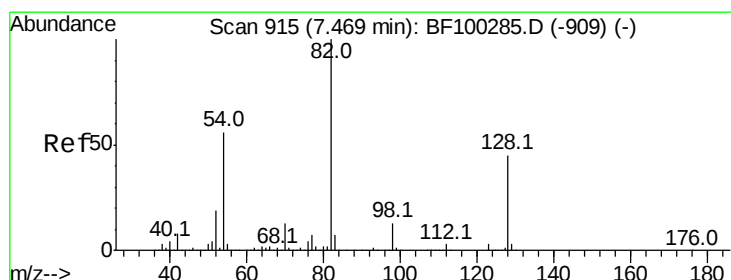
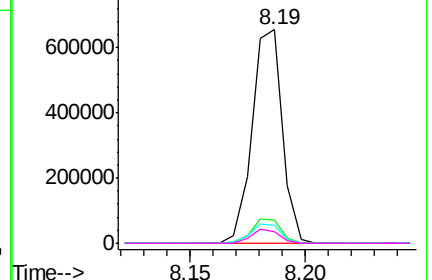
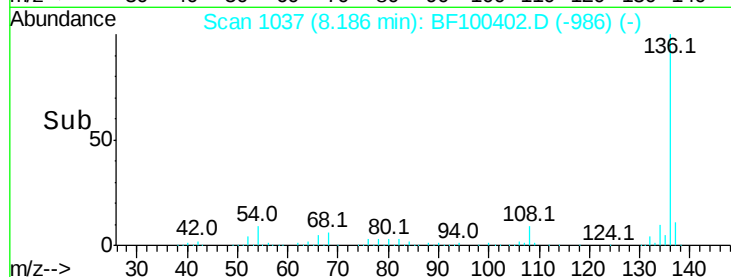


Abundance Ion 136.00 (135.70 to 136.70): E

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: 37.548 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF100402.D

Acq: 10 Nov 2017 20:17

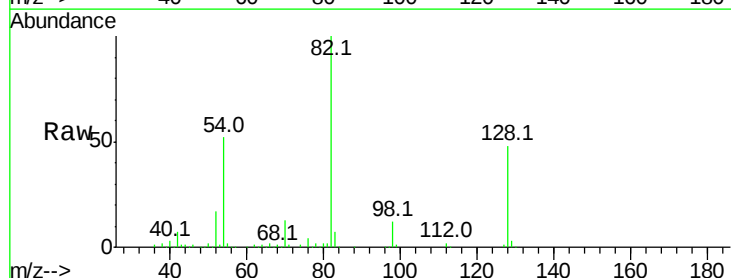
Tgt Ion: 82 Resp: 341329

Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

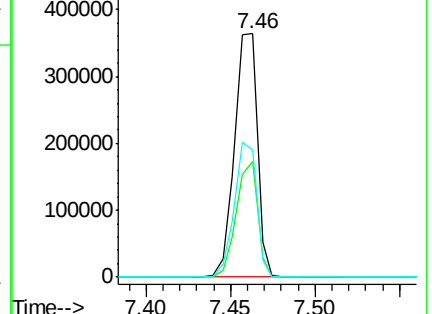
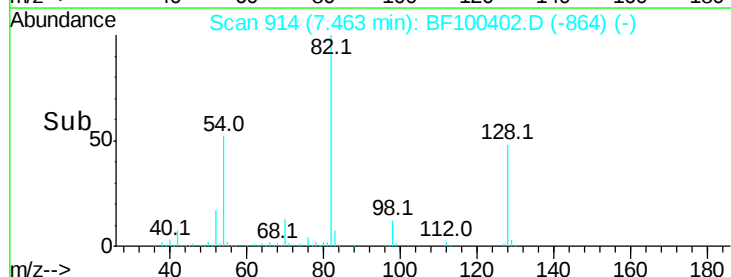
54 52.1 41.4 62.2

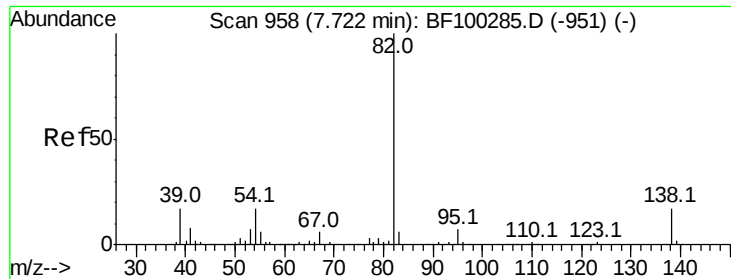


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.741 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100402.D

Acq: 10 Nov 2017 20:17

Instrument :

BNA\_F

ClientSampled :

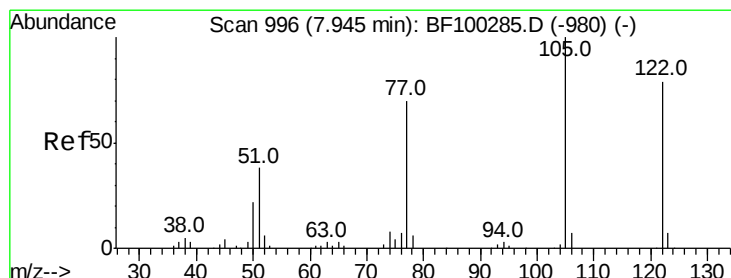
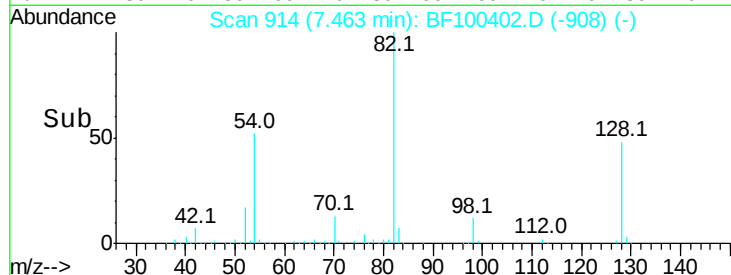
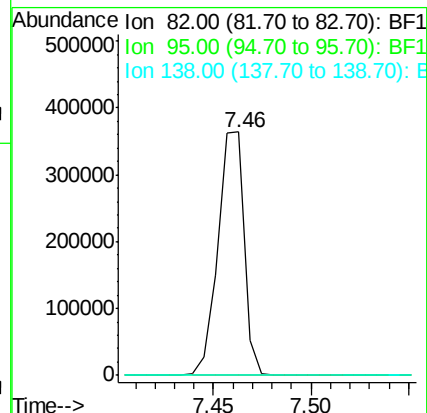
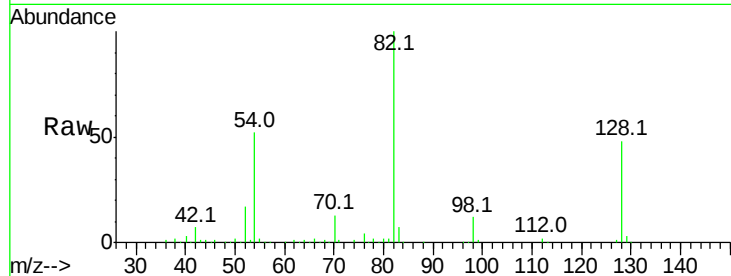
Tot Ion: 82 Resp: 338894

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 9.512 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.09 min

Lab File: BF100402.D

Acq: 10 Nov 2017 20:17

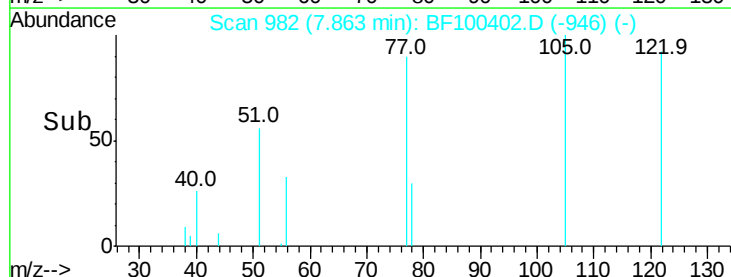
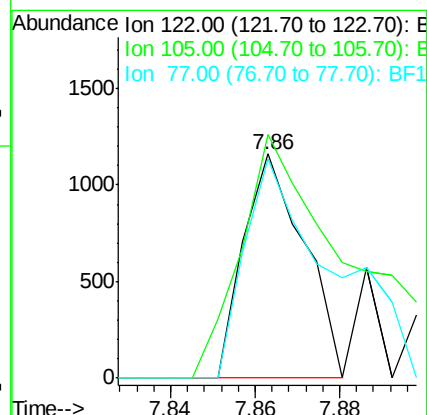
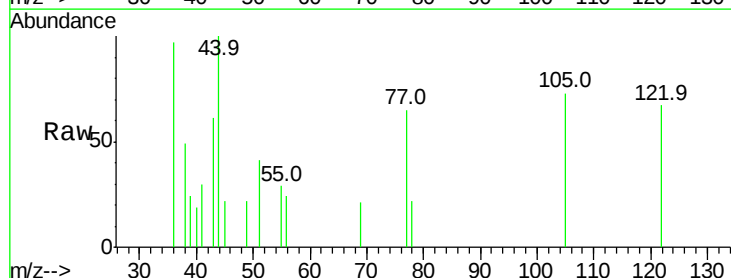
Tgt Ion:122 Resp: 1152

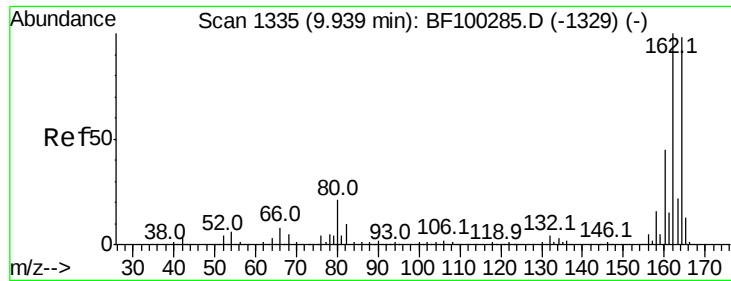
Ion Ratio Lower Upper

122 100

105 108.8 101.1 141.1

77 98.0 70.7 110.7

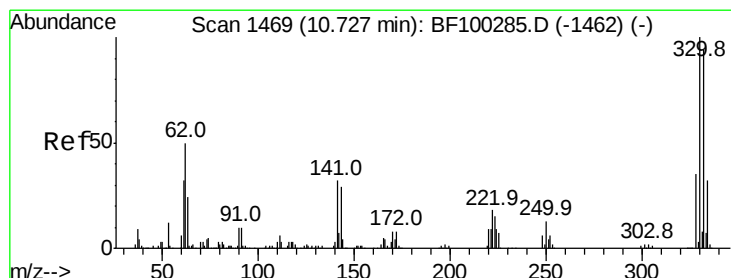
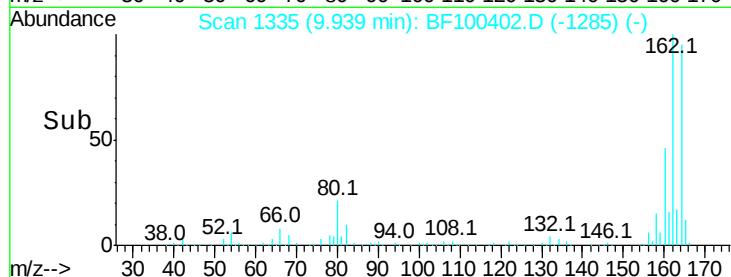
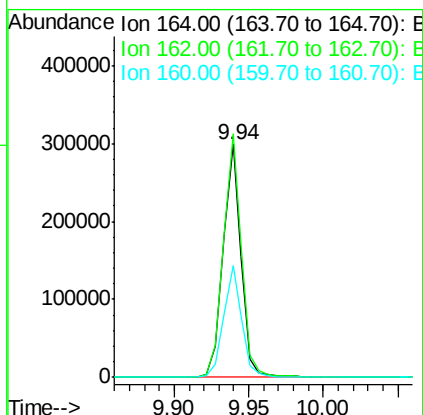
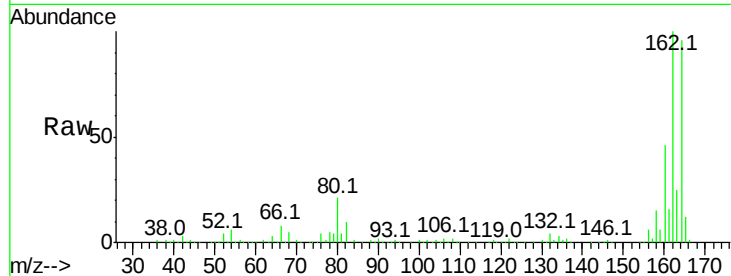




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.94 min Scan# 1335  
 Delta R.T. -0.01 min  
 Lab File: BF100402.D  
 Acq: 10 Nov 2017 20:17

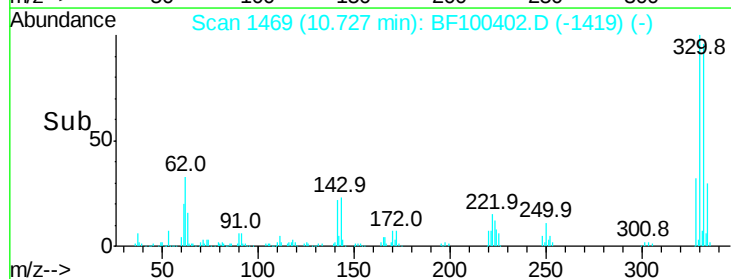
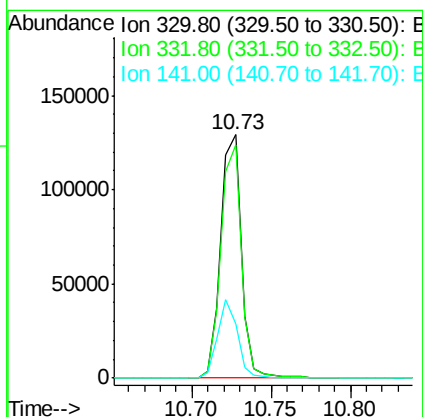
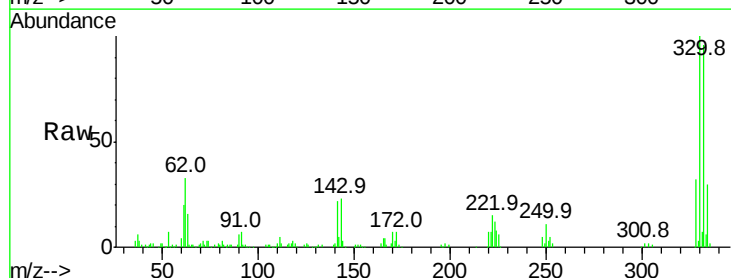
Instrument :  
 BNA\_F  
 ClientSampleId :

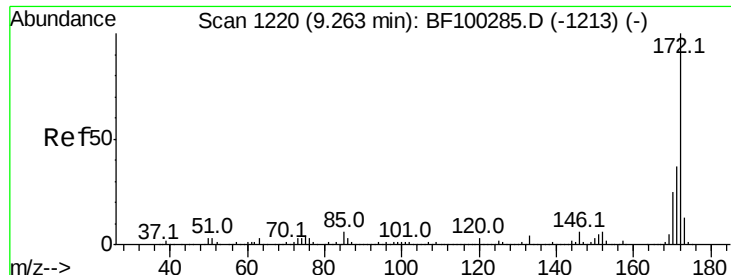
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.5 | 86.1  | 129.1 |
| 160     | 48.0  | 38.3  | 57.5  |



#41  
 2,4,6-Tribromophenol  
 Concen: 45.148 ng  
 RT: 10.73 min Scan# 1469  
 Delta R.T. -0.01 min  
 Lab File: BF100402.D  
 Acq: 10 Nov 2017 20:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.9  | 77.0  | 115.6 |
| 141     | 31.0  | 29.9  | 44.9  |

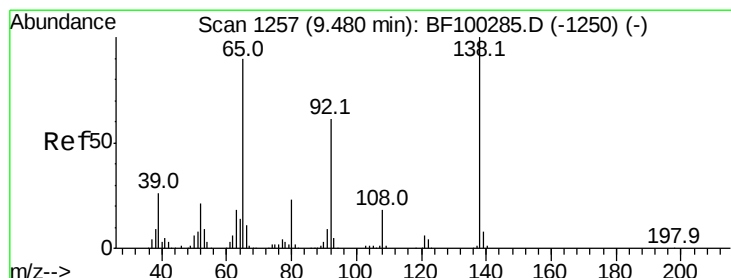
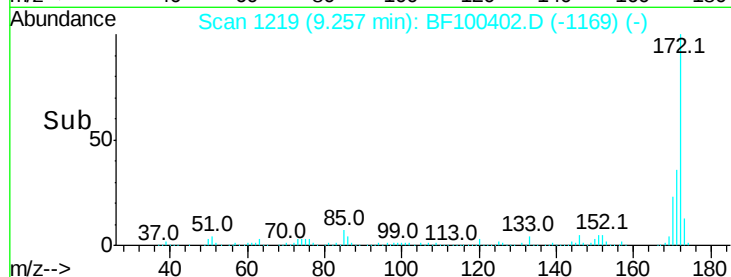
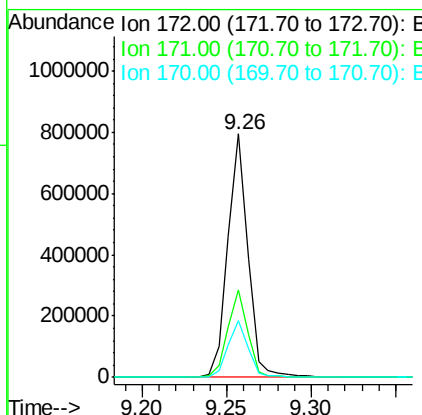
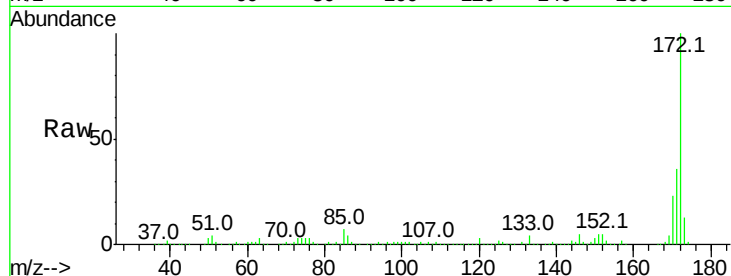




#44  
 2-Fluorobiphenyl  
 Concen: 39.285 ng  
 RT: 9.26 min Scan# 1219  
 Delta R.T. -0.01 min  
 Lab File: BF100402.D  
 Acq: 10 Nov 2017 20:17

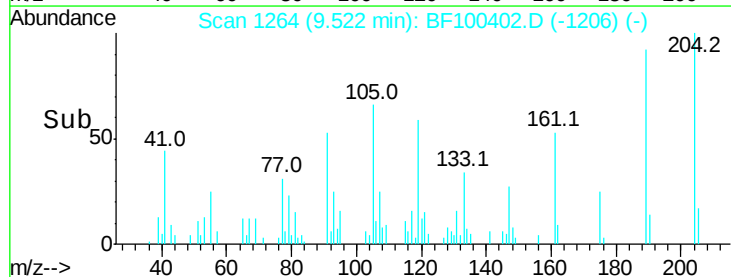
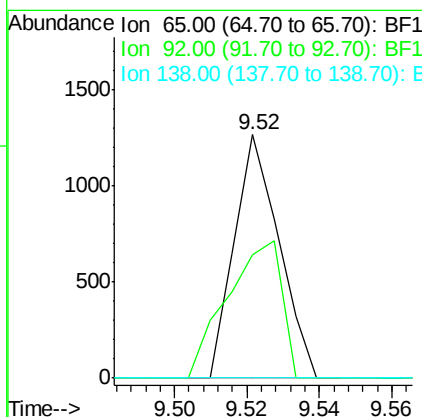
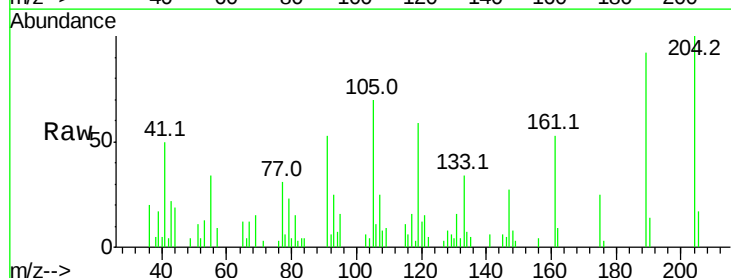
Instrument :  
 BNA\_F  
 ClientSampleId :

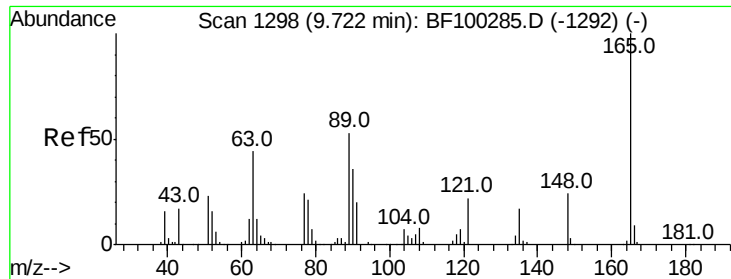
Tot Ion:172 Resp: 660557  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.7 44.5  
 170 23.4 19.6 29.4



#47  
 2-Nitroaniline  
 Concen: 2.998 ng  
 RT: 9.52 min Scan# 1264  
 Delta R.T. 0.04 min  
 Lab File: BF100402.D  
 Acq: 10 Nov 2017 20:17

Tgt Ion: 65 Resp: 1078  
 Ion Ratio Lower Upper  
 65 100  
 92 50.6 55.8 83.6#  
 138 0.0 91.2 136.8#

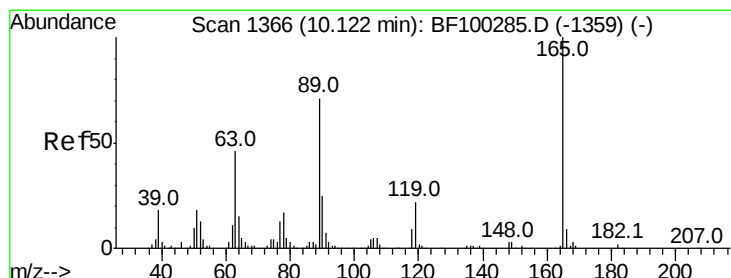
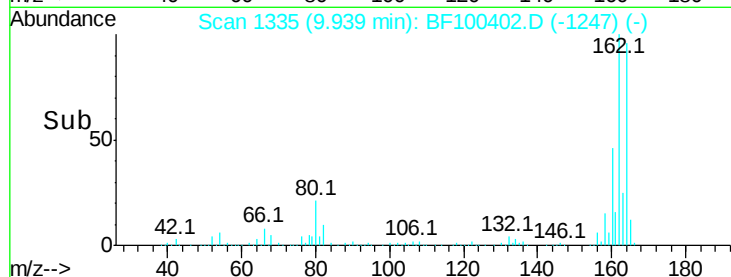
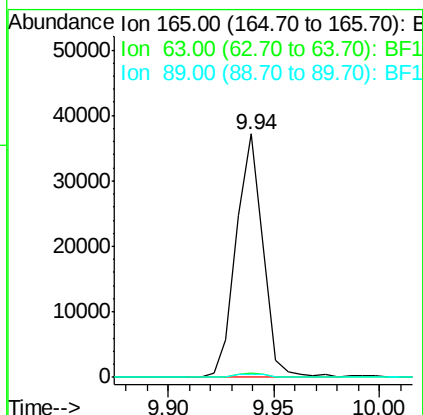
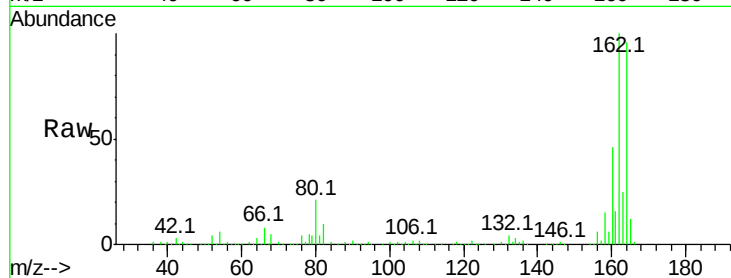




#50  
 2,6-Dinitrotoluene  
 Concen: 8.382 ng  
 RT: 9.94 min Scan# 1335  
 Delta R.T. 0.22 min  
 Lab File: BF100402.D  
 Acq: 10 Nov 2017 20:17

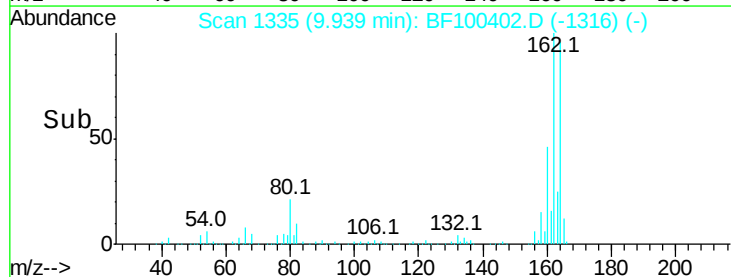
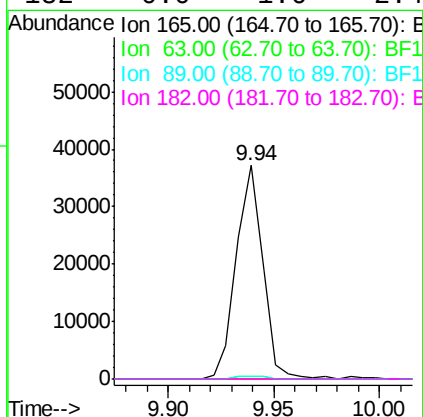
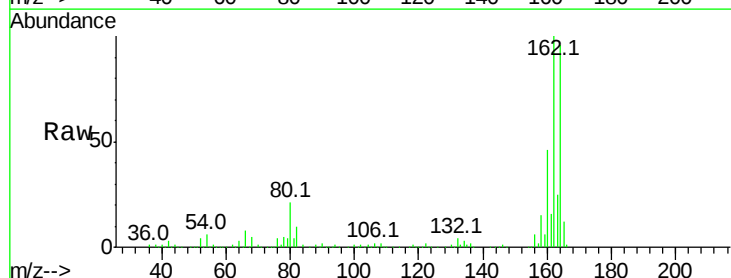
Instrument :  
 BNA\_F  
 ClientSampleId :

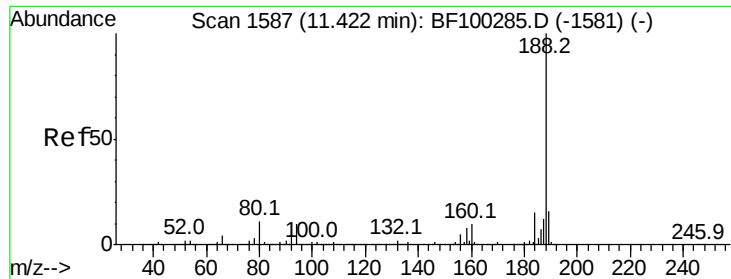
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 44.7  | 67.1# |
| 89      | 1.3   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.644 ng  
 RT: 9.94 min Scan# 1335  
 Delta R.T. -0.19 min  
 Lab File: BF100402.D  
 Acq: 10 Nov 2017 20:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 36.4  | 54.6# |
| 89      | 1.3   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

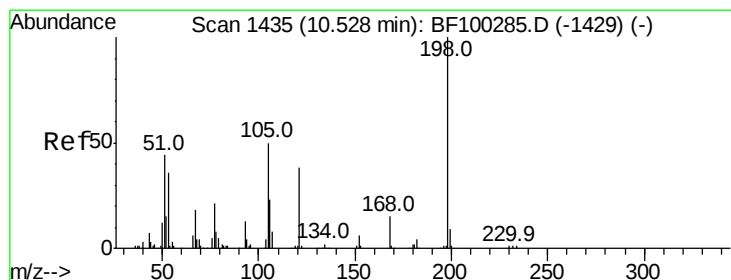
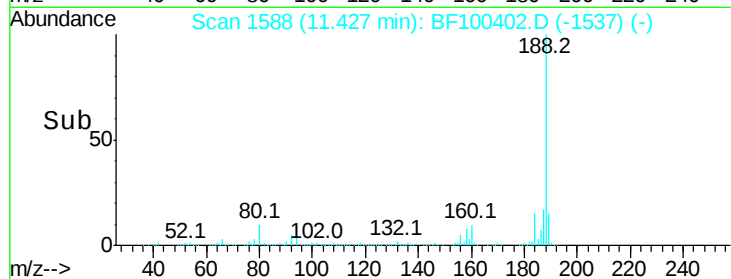
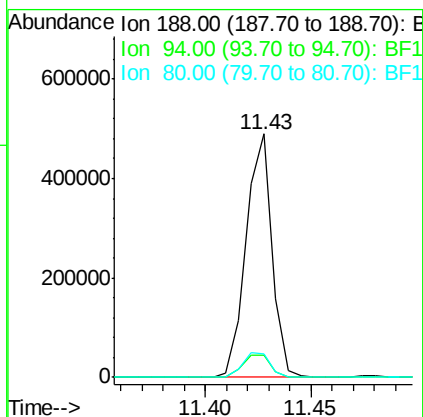
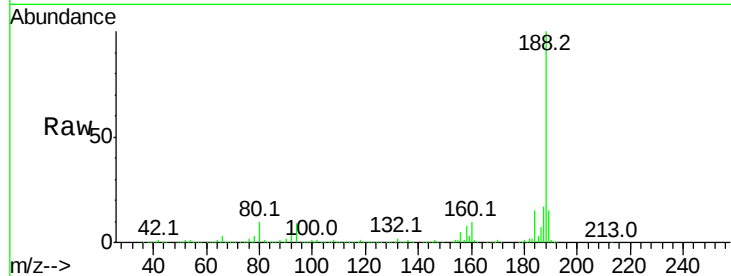




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.43 min Scan# 1588  
 Delta R.T. -0.00 min  
 Lab File: BF100402.D  
 Acq: 10 Nov 2017 20:17

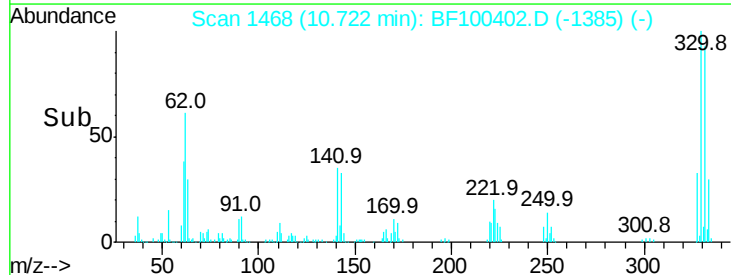
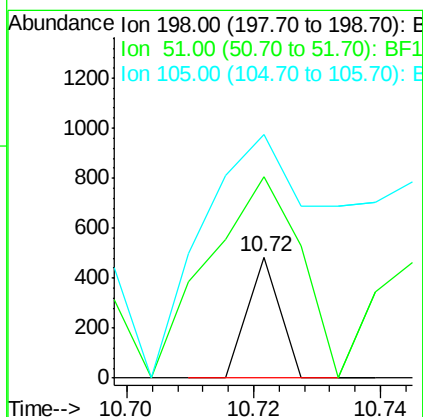
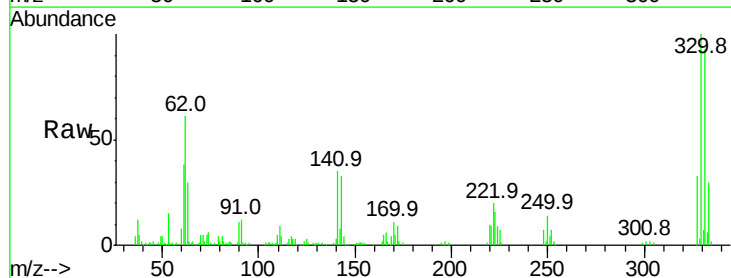
Instrument :  
 BNA\_F  
 ClientSampleId :

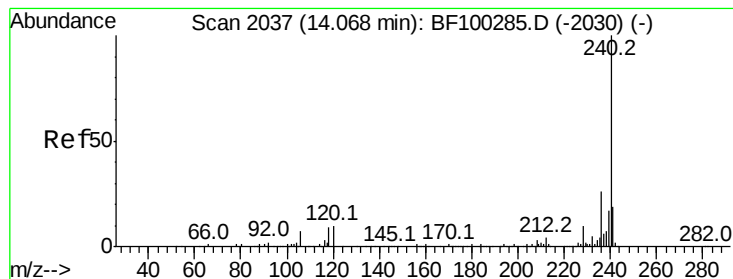
Tot Ion:188 Resp: 416953  
 Ion Ratio Lower Upper  
 188 100  
 94 9.0 8.5 12.7  
 80 9.6 9.2 13.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.637 ng  
 RT: 10.72 min Scan# 1468  
 Delta R.T. 0.19 min  
 Lab File: BF100402.D  
 Acq: 10 Nov 2017 20:17

Tgt Ion:198 Resp: 171  
 Ion Ratio Lower Upper  
 198 100  
 51 166.6 37.7 77.7#  
 105 200.8 36.3 76.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100402.D

Acq: 10 Nov 2017 20:17

Instrument :

BNA\_F

ClientSampleId :

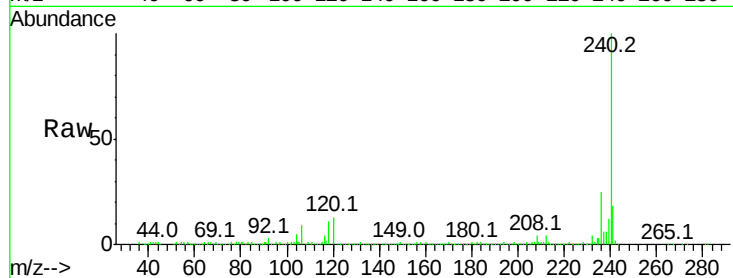
Tot Ion:240 Resp: 355368

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

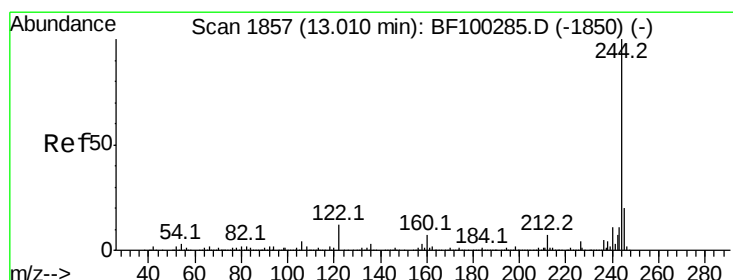
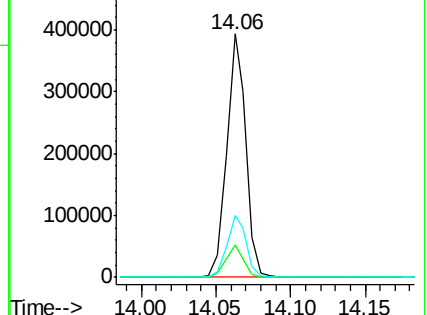
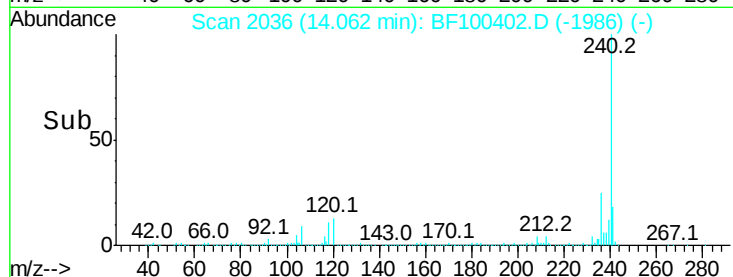
236 25.4 20.7 31.1



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: 31.677 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100402.D

Acq: 10 Nov 2017 20:17

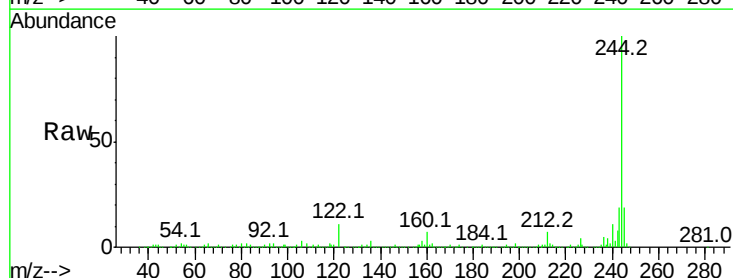
Tgt Ion:244 Resp: 489923

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

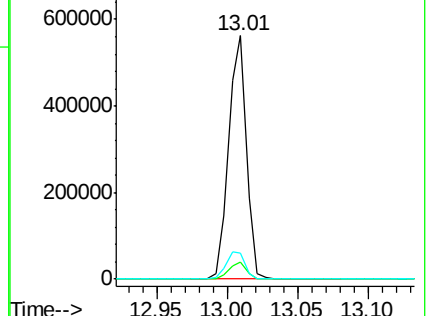
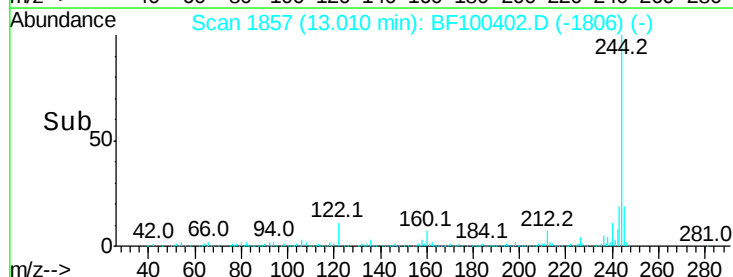
122 10.7 11.0 16.4#

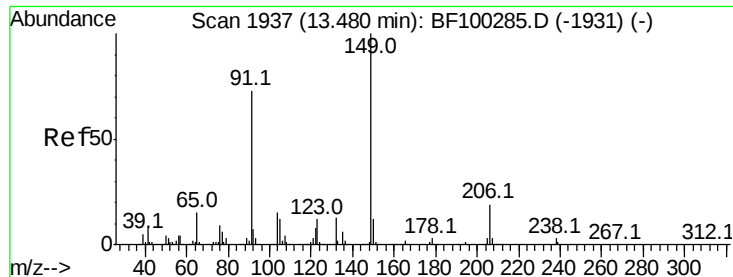


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

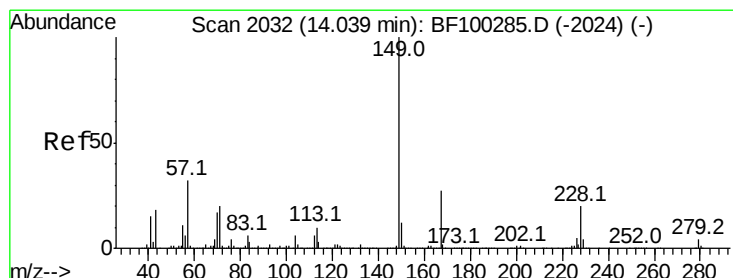
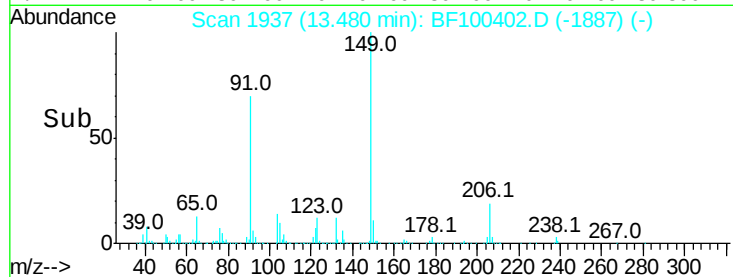
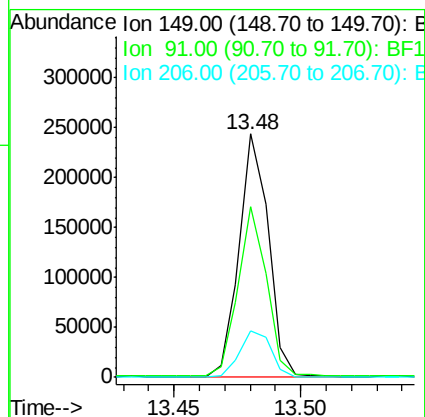
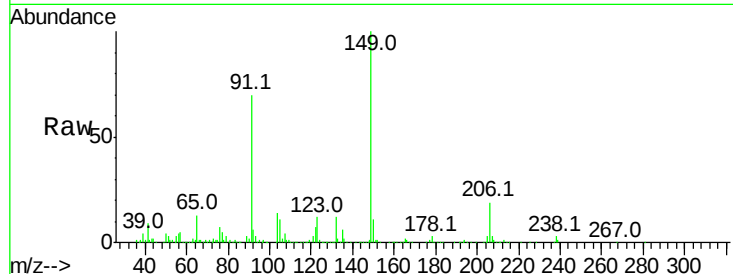




#79  
 Butylbenzylphthalate  
 Concen: 18.836 ng  
 RT: 13.48 min Scan# 1937  
 Delta R.T. -0.01 min  
 Lab File: BF100402.D  
 Acq: 10 Nov 2017 20:17

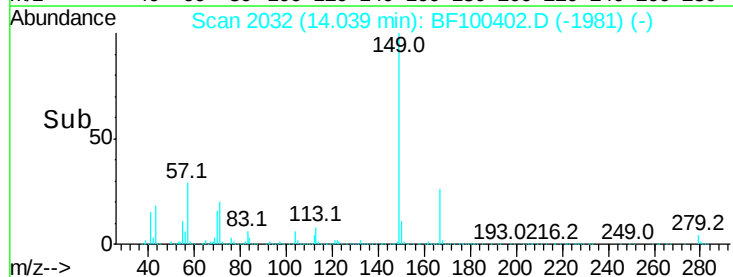
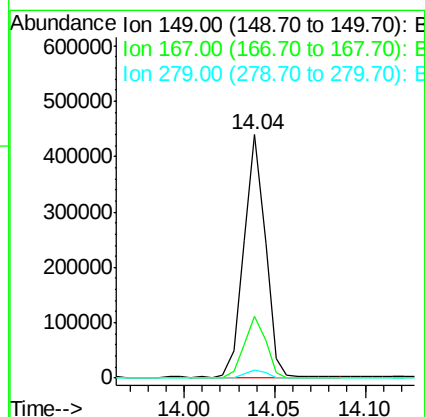
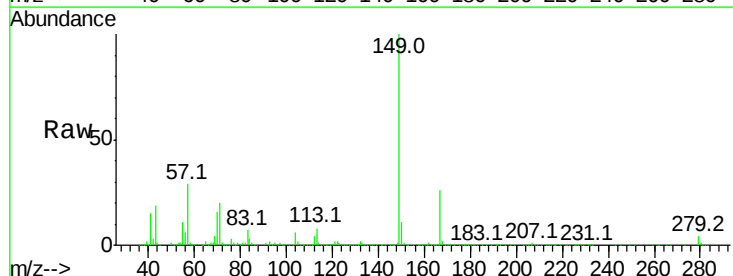
Instrument :  
 BNA\_F  
 ClientSampleId :

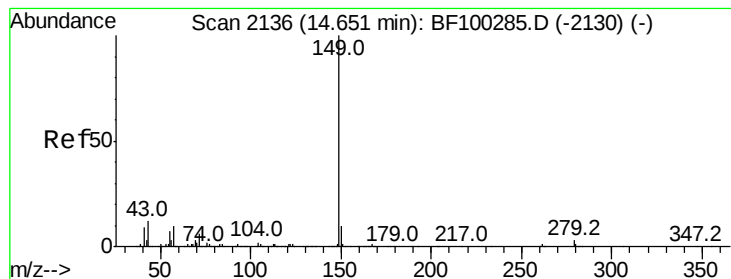
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 70.0  | 56.8  | 85.2  |
| 206     | 18.9  | 14.1  | 21.1  |



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 26.353 ng  
 RT: 14.04 min Scan# 2032  
 Delta R.T. -0.00 min  
 Lab File: BF100402.D  
 Acq: 10 Nov 2017 20:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.6  | 21.3  | 31.9  |
| 279     | 3.5   | 3.0   | 4.4   |





#84

Di-n-octyl phthalate

Concen: 24.604 ng

RT: 14.63 min Scan# 2132

Delta R.T. -0.02 min

Lab File: BF100402.D

Acq: 10 Nov 2017 20:17

Instrument :

BNA\_F

ClientSampleId :

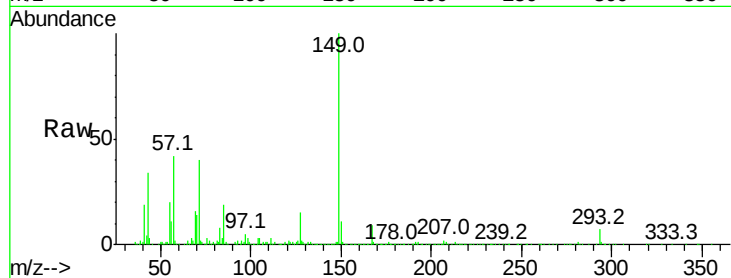
Tot Ion:149 Resp: 574316

Ion Ratio Lower Upper

149 100

167 6.8 1.2 1.8#

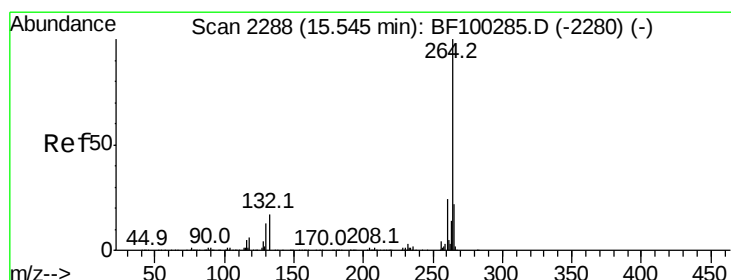
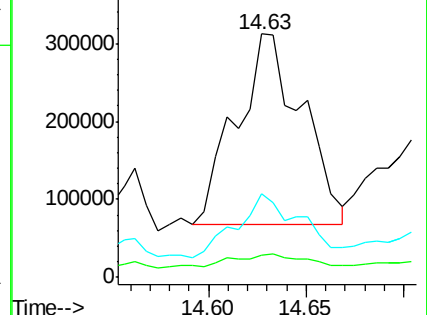
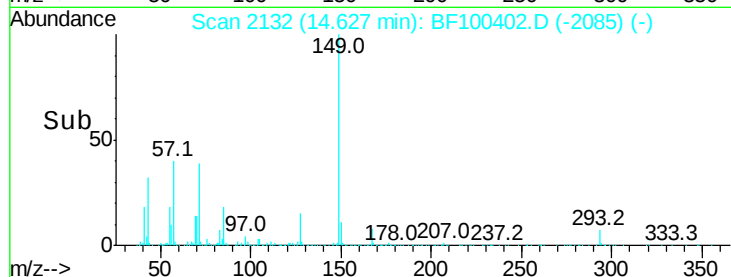
43 31.8 8.4 12.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.01 min

Lab File: BF100402.D

Acq: 10 Nov 2017 20:17

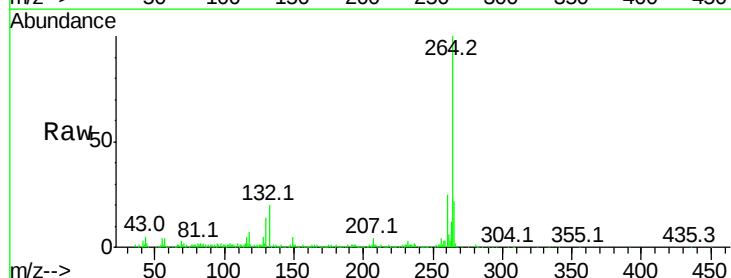
Tgt Ion:264 Resp: 263224

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 22.4 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

