

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\  
 Data File : BF100944.D  
 Acq On : 28 Nov 2017 19:53  
 Operator : SJ/JU  
 Sample : I6610-07  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 29 00:40:29 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 15:21:02 2017  
 Response via : Initial Calibration

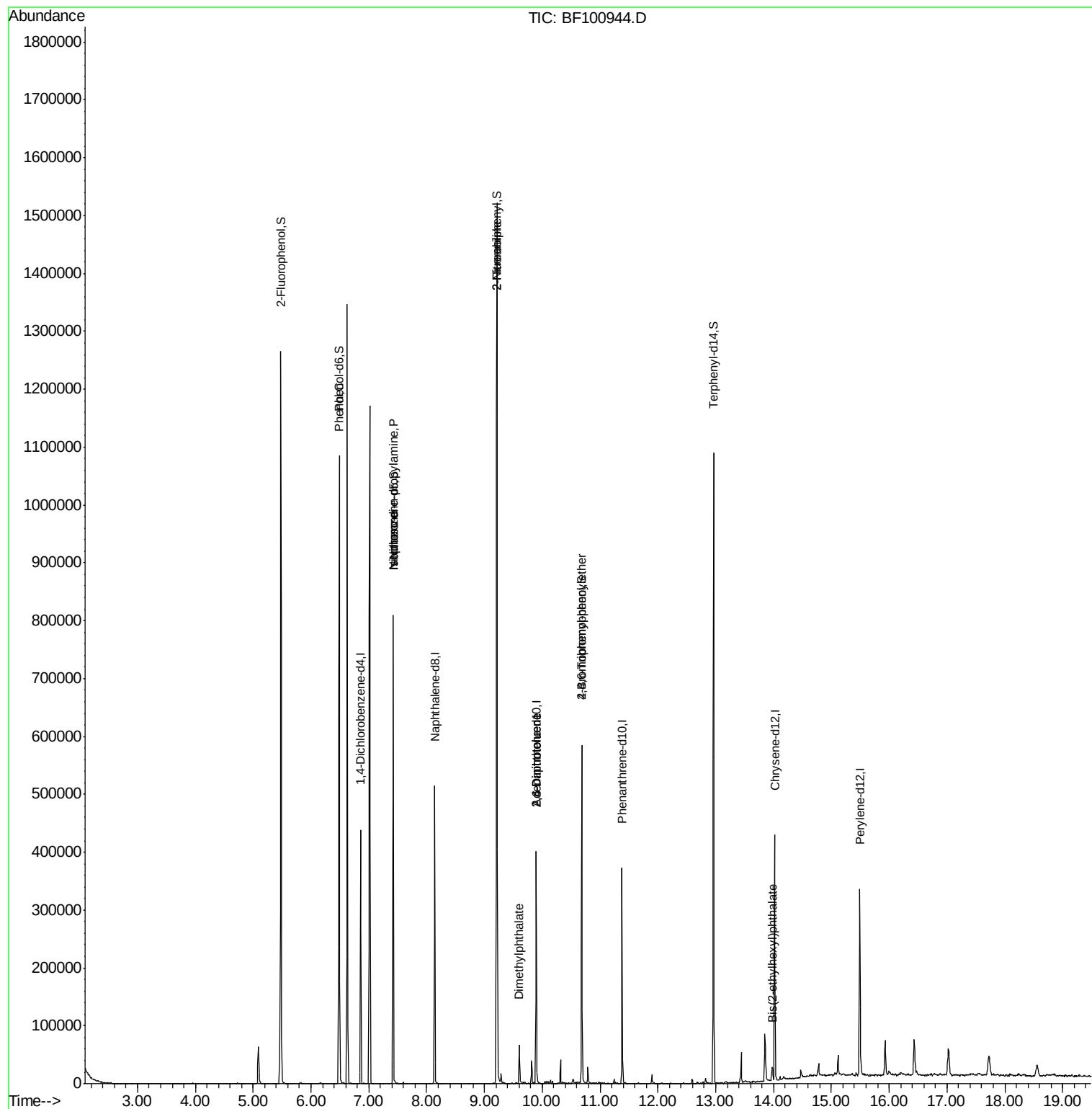
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 59593    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.14  | 136  | 215849   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.89  | 164  | 84748    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.38 | 188  | 129741   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.02 | 240  | 137961   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.49 | 264  | 131757   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.48  | 112  | 340079   | 91.48  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 397178   | 86.64  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 238522   | 73.06  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 74800    | 86.62  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.22  | 172  | 472369   | 84.87  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.96 | 244  | 357658   | 59.57  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.50  | 94   | 12932    | 2.687  | ng    | 87       |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 30418    | 9.568  | ng    | # 82     |
| 25) Isophorone                 | 7.42  | 82   | 238519   | 34.766 | ng    | # 64     |
| 47) 2-Nitroaniline             | 9.22  | 65   | 720      | 3.216  | ng    | # 9      |
| 49) Dimethylphthalate          | 9.60  | 163  | 26216    | 4.052  | ng    | # 97     |
| 50) 2,6-Dinitrotoluene         | 9.89  | 165  | 11191    | 8.737  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 11191    | 6.926  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.68 | 248  | 4803     | 3.453  | ng    | # 1      |
| 83) Bis(2-ethylhexyl)phthalate | 13.98 | 149  | 16305    | 3.091  | ng    | # 96     |

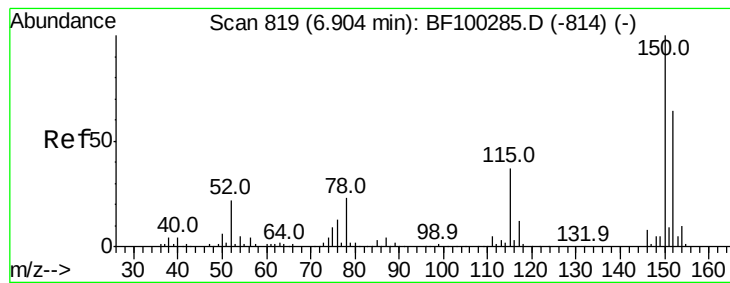
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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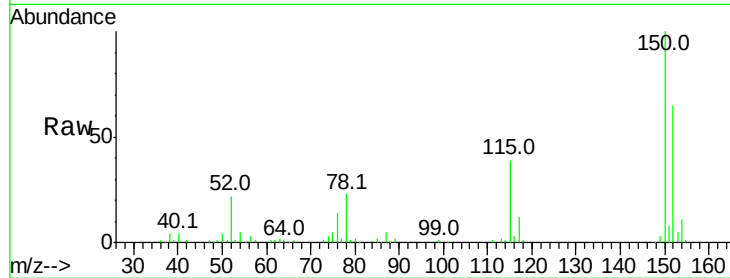


#1

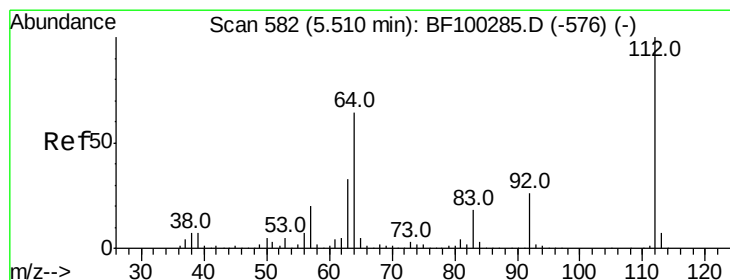
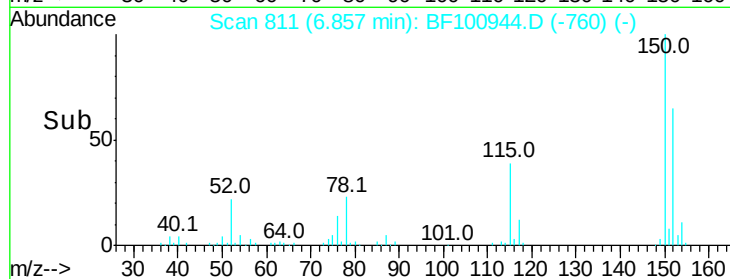
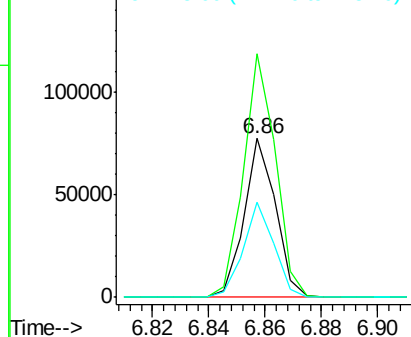
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: BF100944.D  
Acq: 28 Nov 2017 19:53

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 59593  
Ion Ratio Lower Upper  
152 100  
150 153.2 124.6 186.8  
115 60.1 50.1 75.1



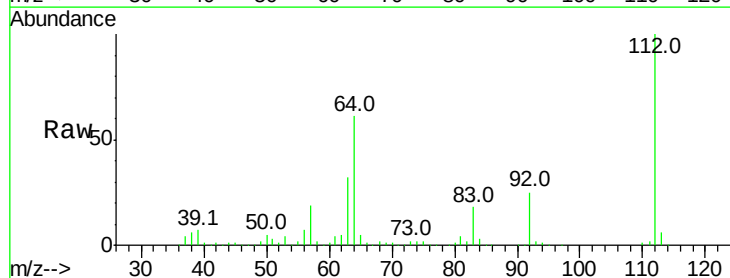
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



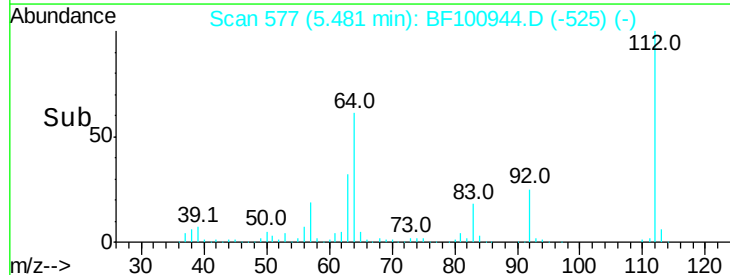
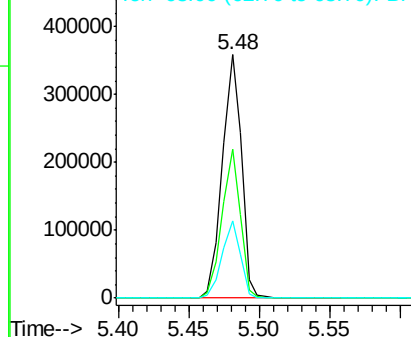
#5

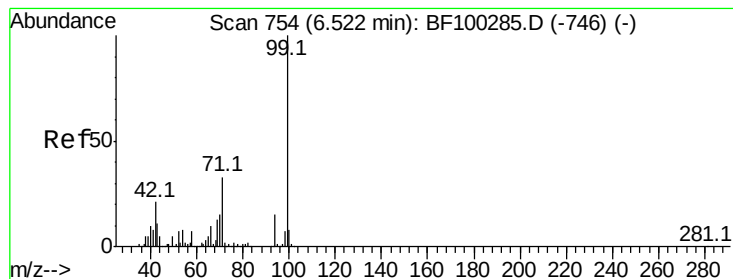
2-Fluorophenol  
Concen: 91.478 ng  
RT: 5.48 min Scan# 577  
Delta R.T. 0.01 min  
Lab File: BF100944.D  
Acq: 28 Nov 2017 19:53

Tgt Ion:112 Resp: 340079  
Ion Ratio Lower Upper  
112 100  
64 61.1 47.9 71.9  
63 31.9 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: 86.638 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF100944.D

Acq: 28 Nov 2017 19:53

Instrument :

BNA\_F

ClientSampled :

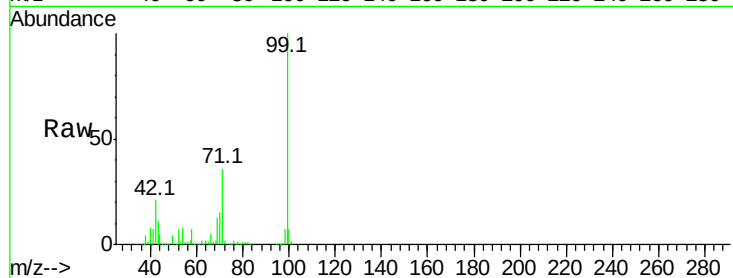
Tot Ion: 99 Resp: 397178

Ion Ratio Lower Upper

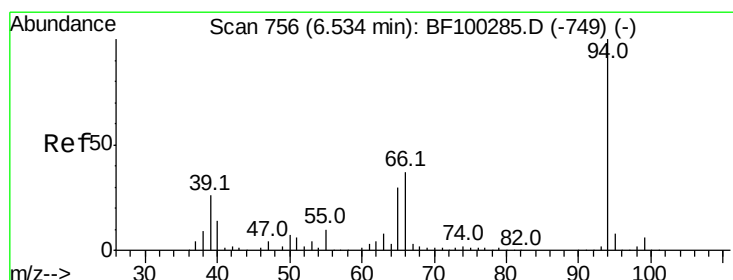
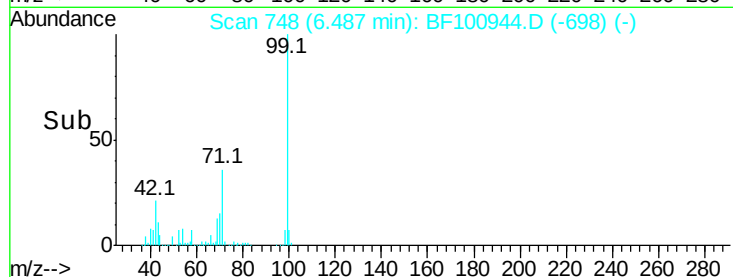
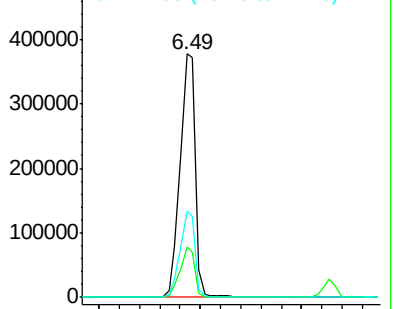
99 100

42 20.6 14.5 21.7

71 35.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.687 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100944.D

Acq: 28 Nov 2017 19:53

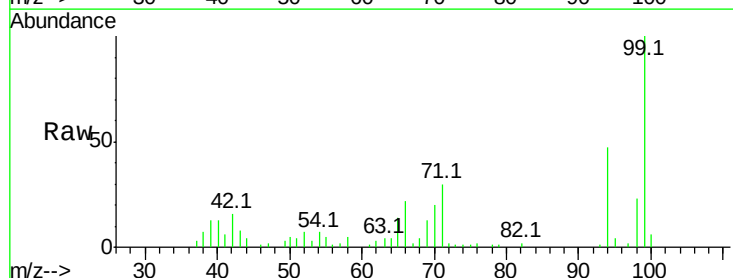
Tgt Ion: 94 Resp: 12932

Ion Ratio Lower Upper

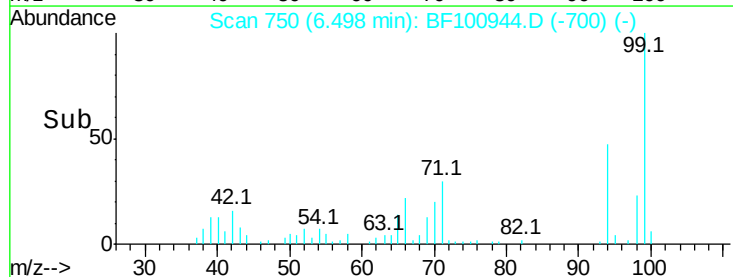
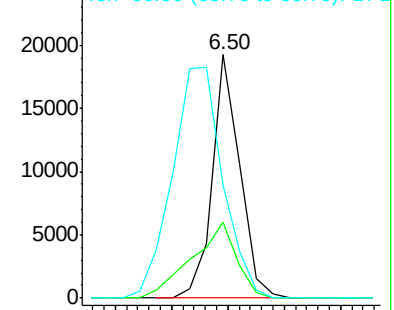
94 100

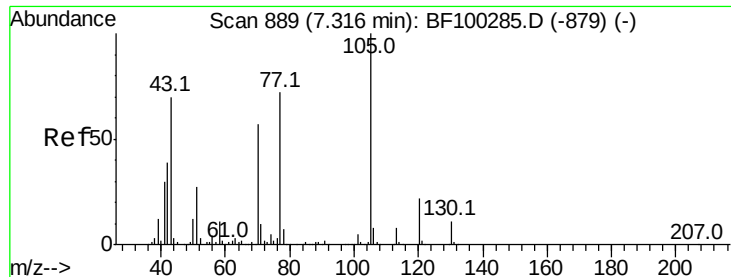
65 31.1 7.9 47.9

66 46.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

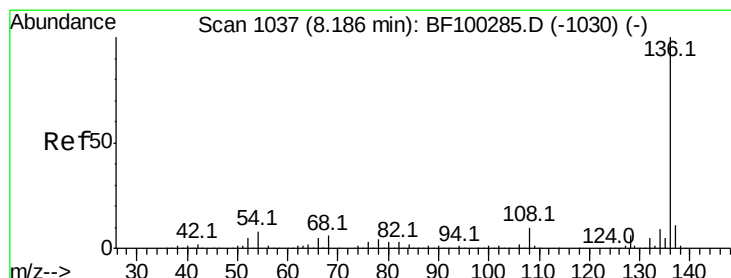
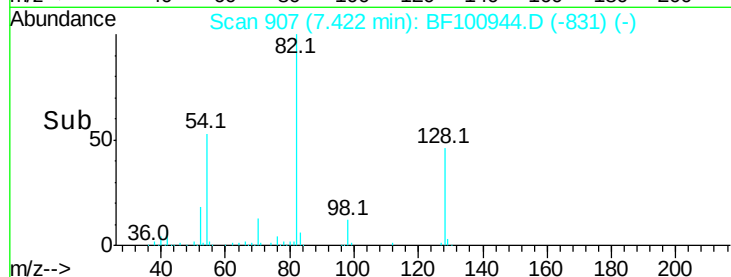
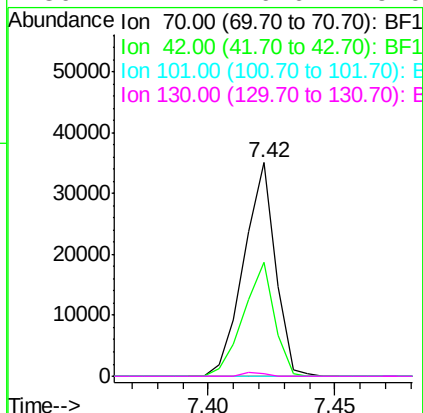
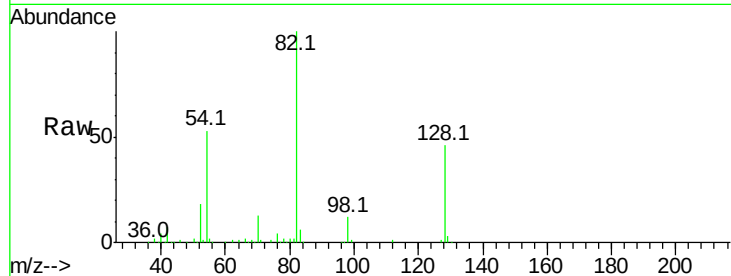




#19  
n-Nitroso-di-n-propylamine  
Concen: 9.568 ng  
RT: 7.42 min Scan# 907  
Delta R.T. 0.15 min  
Lab File: BF100944.D  
Acq: 28 Nov 2017 19:53

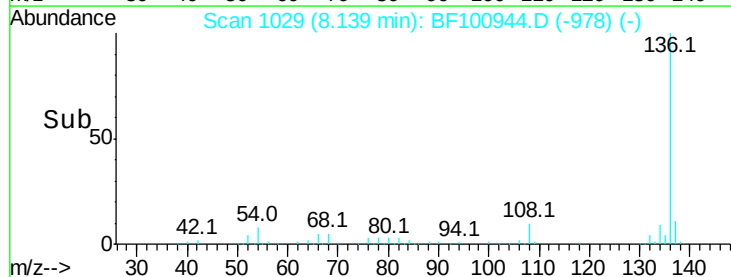
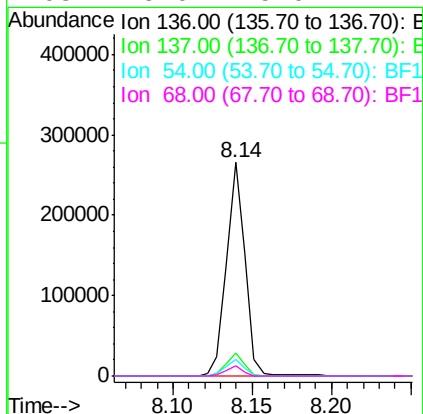
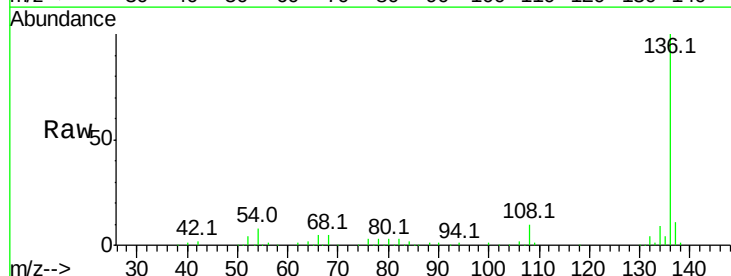
Instrument :  
BNA\_F  
ClientSampleId :

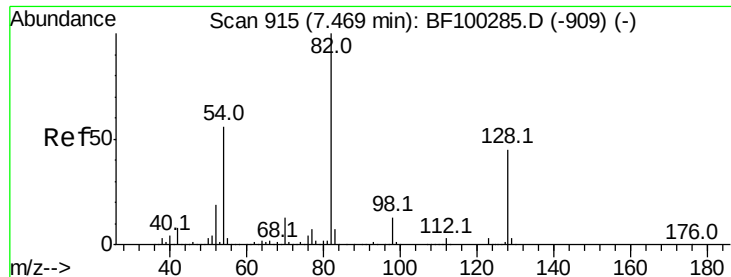
Tot Ion: 70 Resp: 30418  
Ion Ratio Lower Upper  
70 100  
42 53.3 47.5 71.3  
101 0.0 7.4 11.2#  
130 1.4 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.00 min  
Lab File: BF100944.D  
Acq: 28 Nov 2017 19:53

Tgt Ion:136 Resp: 215849  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.9 13.3  
54 7.8 6.6 9.8  
68 5.0 5.0 7.4

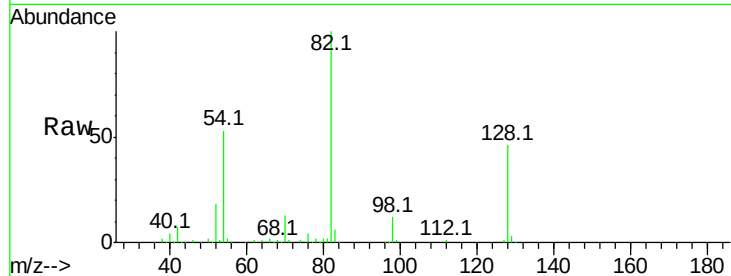




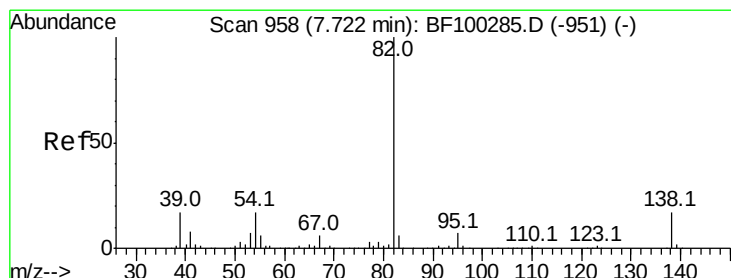
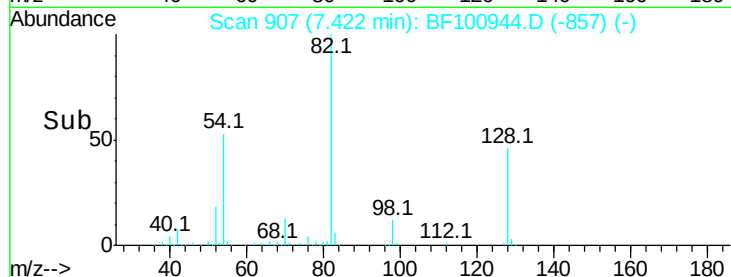
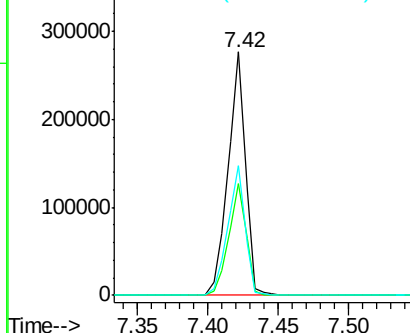
#23  
 Nitrobenzene-d5  
 Concen: 73.058 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.01 min  
 Lab File: BF100944.D  
 Acq: 28 Nov 2017 19:53

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion   | 82   | Resp  | 238522 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.6 | 36.1  | 54.1   |
| 54        | 53.3 | 41.4  | 62.2   |

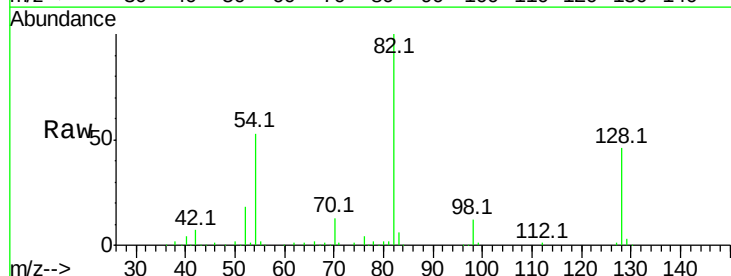


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

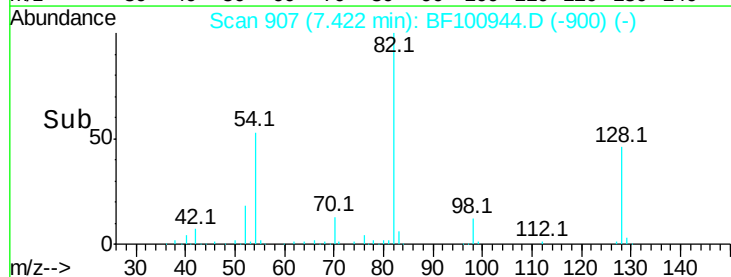
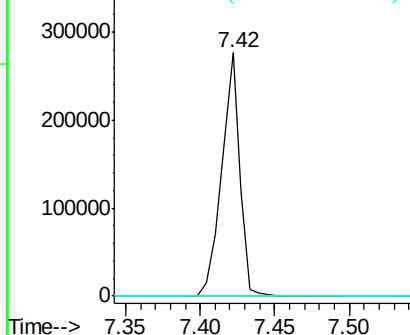


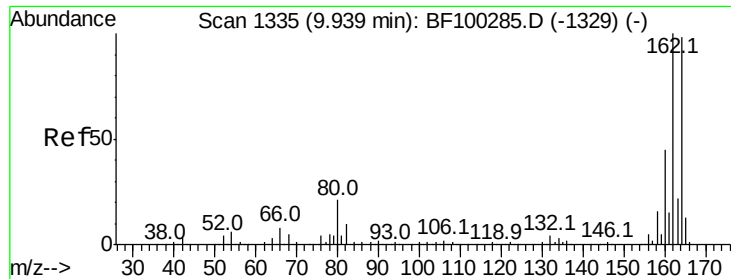
#25  
 Isophorone  
 Concen: 34.766 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.26 min  
 Lab File: BF100944.D  
 Acq: 28 Nov 2017 19:53

| Tgt Ion   | 82  | Resp  | 238519 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 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

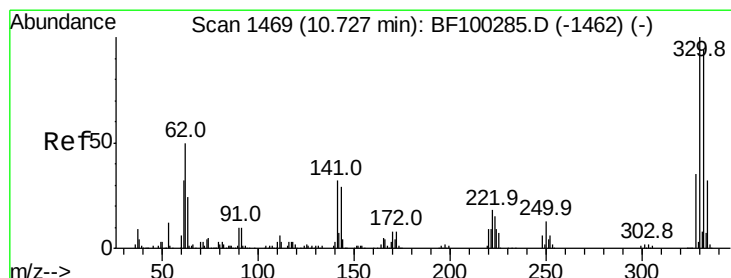
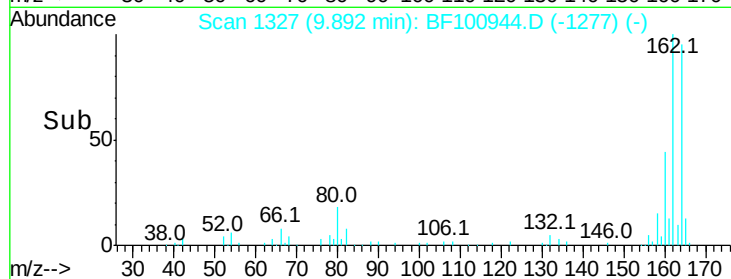
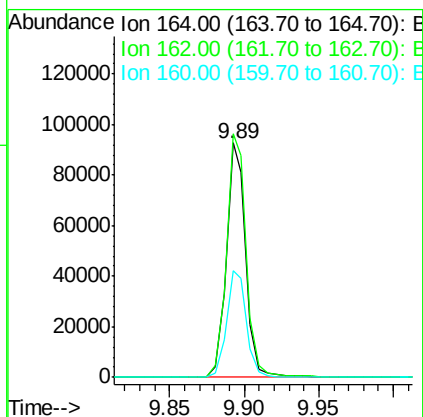
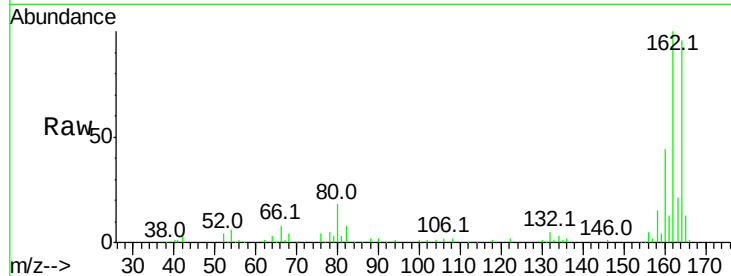




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.01 min  
 Lab File: BF100944.D  
 Acq: 28 Nov 2017 19:53

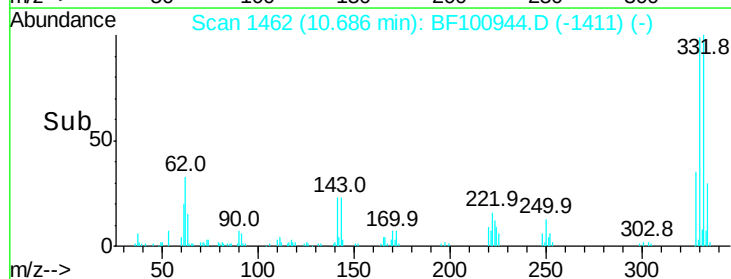
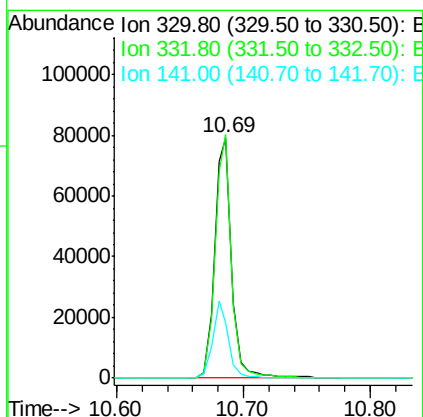
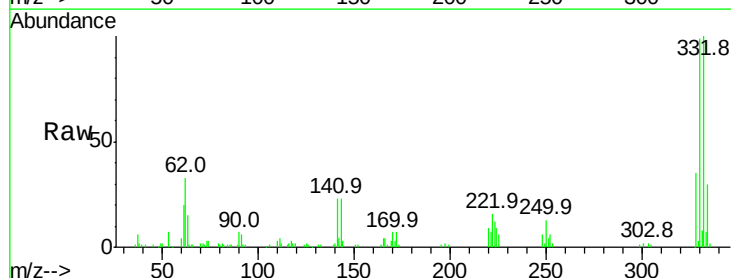
Instrument :  
 BNA\_F  
 ClientSampleId :

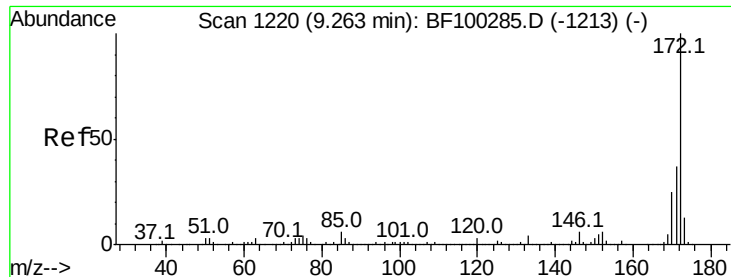
Tot Ion:164 Resp: 84748  
 Ion Ratio Lower Upper  
 164 100  
 162 104.0 86.1 129.1  
 160 45.4 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 86.616 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.00 min  
 Lab File: BF100944.D  
 Acq: 28 Nov 2017 19:53

Tgt Ion:330 Resp: 74800  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 77.0 115.6  
 141 29.2 29.9 44.9#

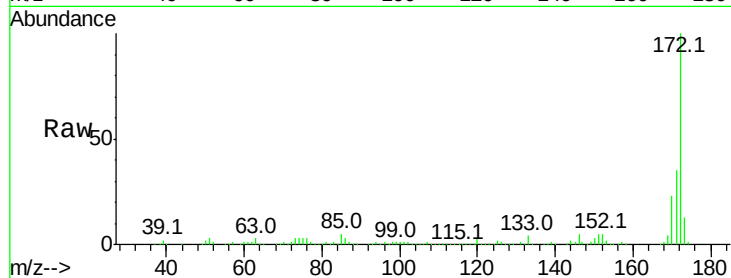




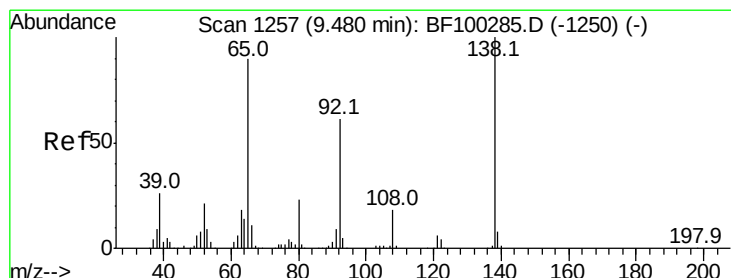
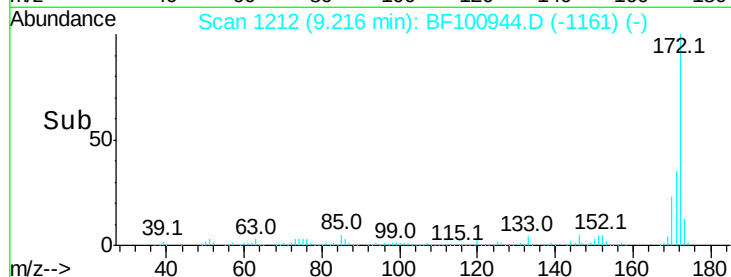
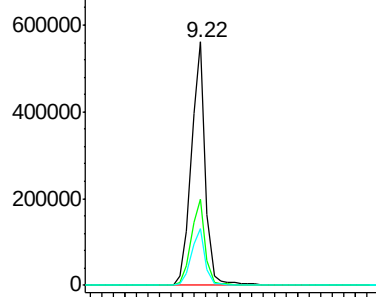
#44  
 2-Fluorobiphenyl  
 Concen: 84.873 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.00 min  
 Lab File: BF100944.D  
 Acq: 28 Nov 2017 19:53

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 472369  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.7 44.5  
 170 23.0 19.6 29.4

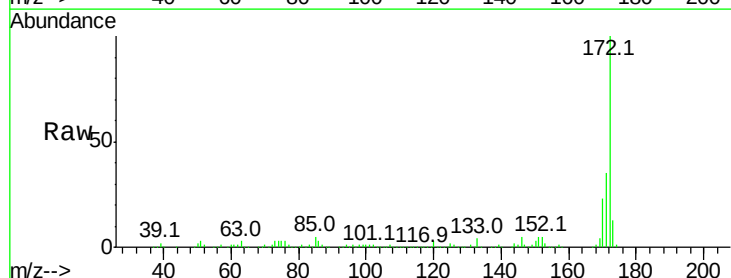


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

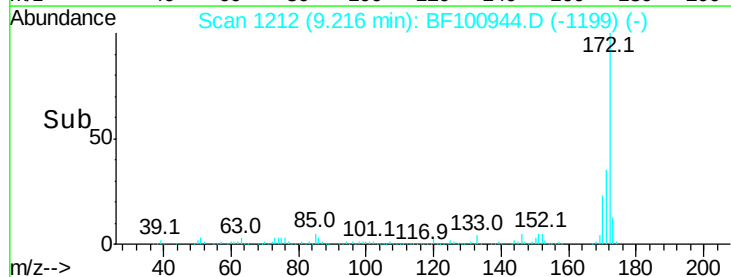
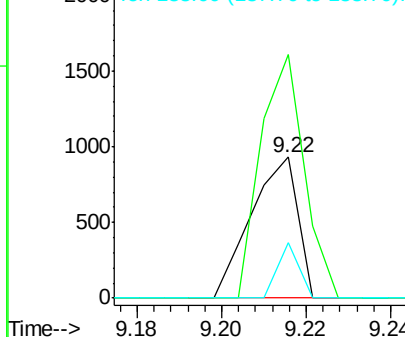


#47  
 2-Nitroaniline  
 Concen: 3.216 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.22 min  
 Lab File: BF100944.D  
 Acq: 28 Nov 2017 19:53

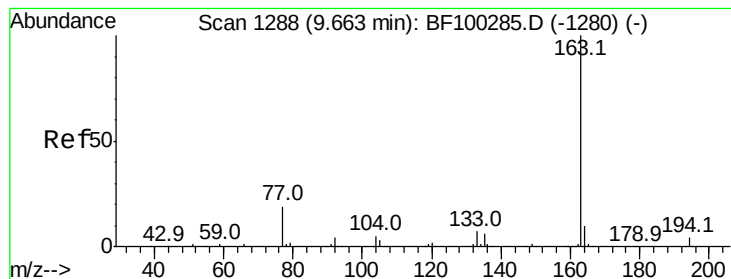
Tgt Ion: 65 Resp: 720  
 Ion Ratio Lower Upper  
 65 100  
 92 172.9 55.8 83.6#  
 138 39.8 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1  
 Ion 138.00 (137.70 to 138.70): E







#49

Dimethylphthalate

Concen: 4.052 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF100944.D

Acq: 28 Nov 2017 19:53

Instrument :

BNA\_F

ClientSampleId :

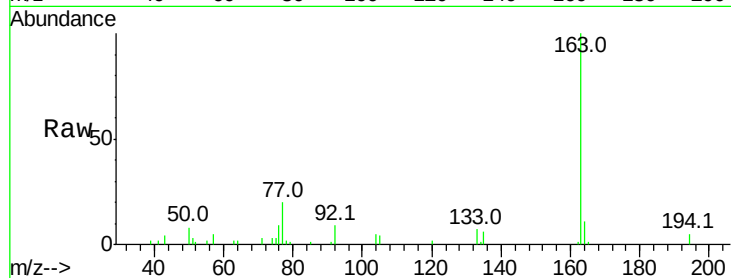
Tot Ion:163 Resp: 26216

Ion Ratio Lower Upper

163 100

194 4.9 2.7 4.1#

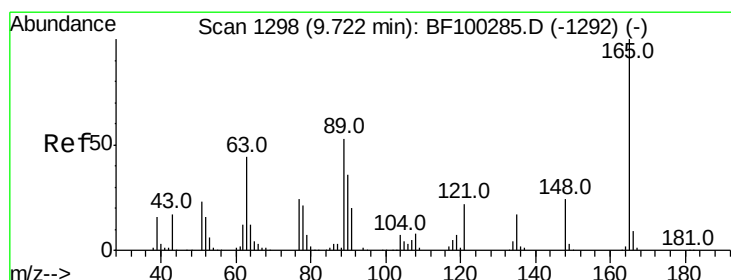
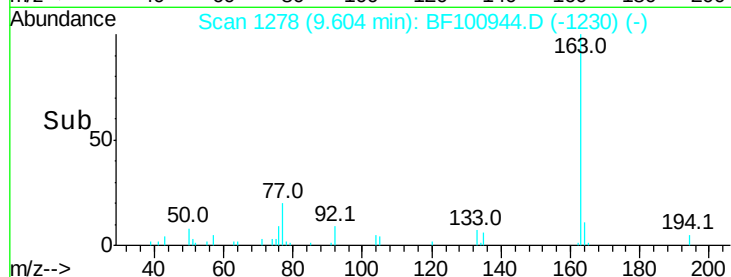
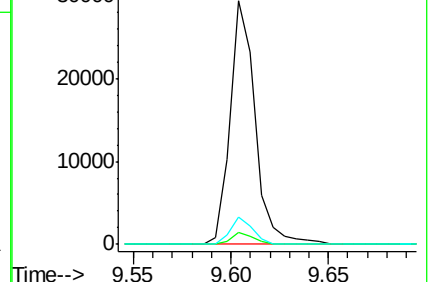
164 11.3 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.737 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF100944.D

Acq: 28 Nov 2017 19:53

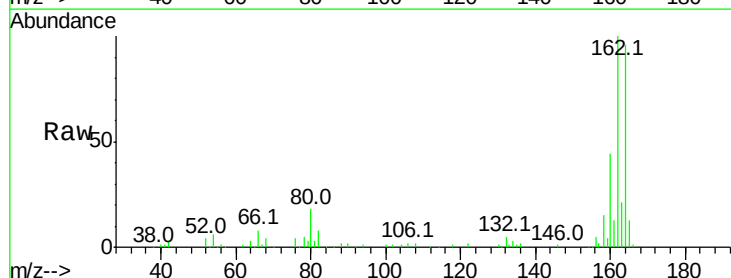
Tgt Ion:165 Resp: 11191

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

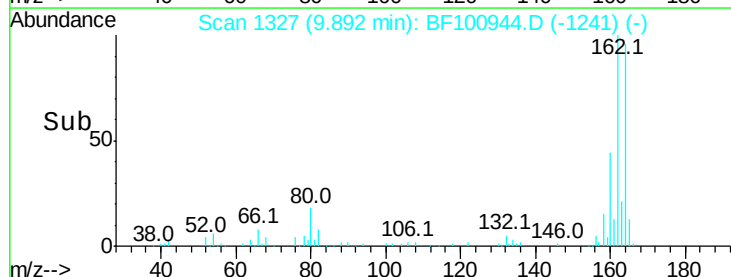
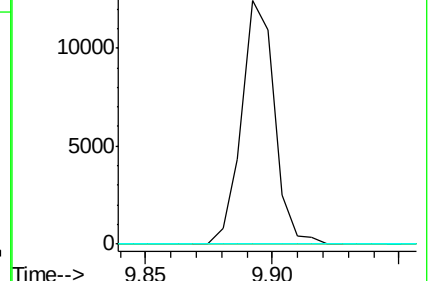
89 0.0 44.0 66.0#

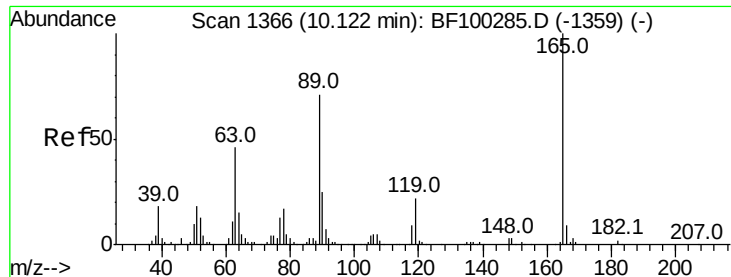


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

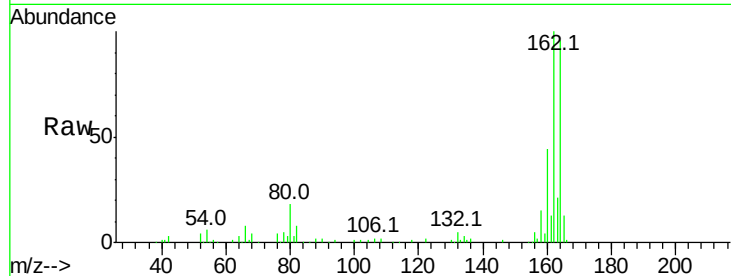




#56  
 2,4-Dinitrotoluene  
 Concen: 6.926 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.19 min  
 Lab File: BF100944.D  
 Acq: 28 Nov 2017 19:53

Instrument :  
 BNA\_F  
 ClientSampleId :

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

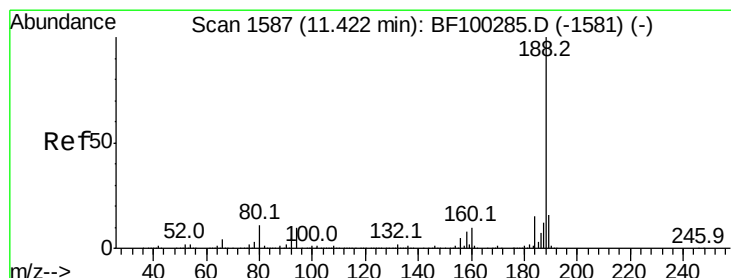
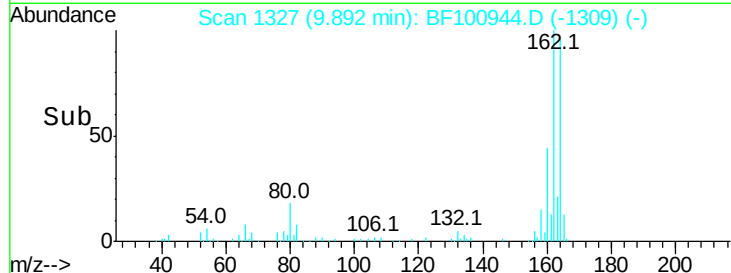
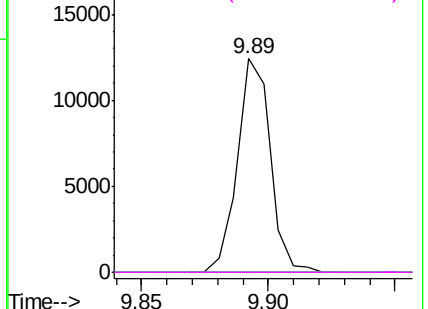


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

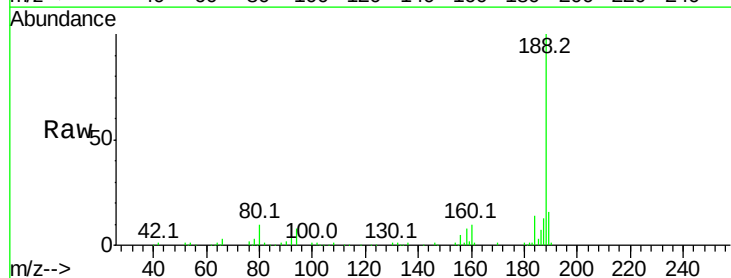
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.38 min Scan# 1580  
 Delta R.T. -0.00 min  
 Lab File: BF100944.D  
 Acq: 28 Nov 2017 19:53

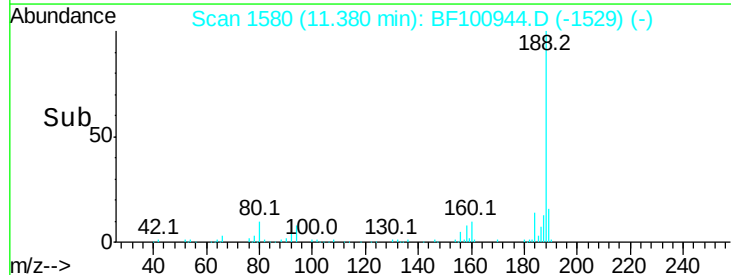
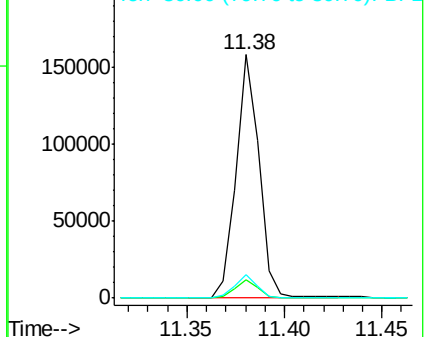
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.5   | 8.5   | 12.7# |
| 80      | 9.6   | 9.2   | 13.8  |

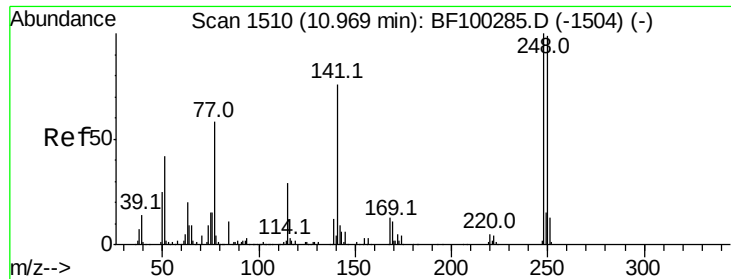


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

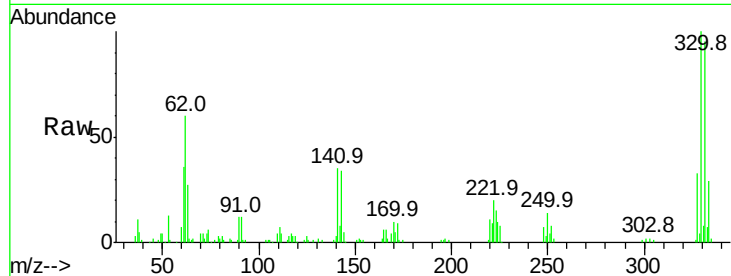




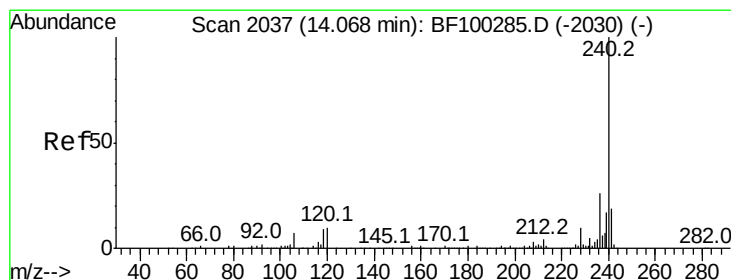
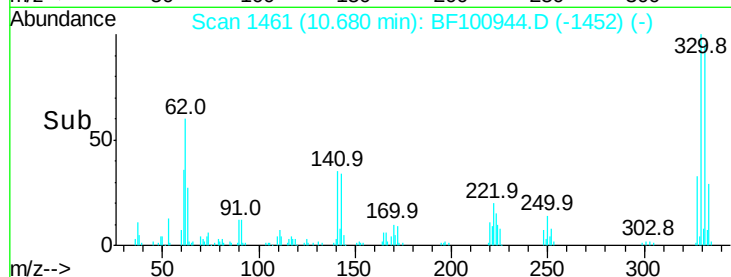
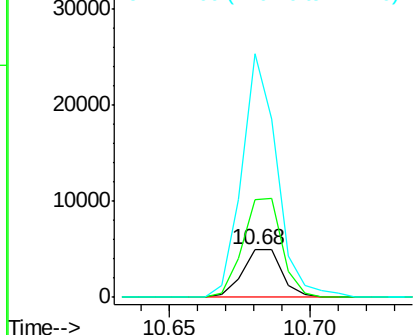
#66  
4-Bromophenyl-phenylether  
Concen: 3.453 ng  
RT: 10.68 min Scan# 1461  
Delta R.T. -0.25 min  
Lab File: BF100944.D  
Acq: 28 Nov 2017 19:53

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 4803  
Ion Ratio Lower Upper  
248 100  
250 205.4 76.9 115.3#  
141 510.3 74.4 111.6#

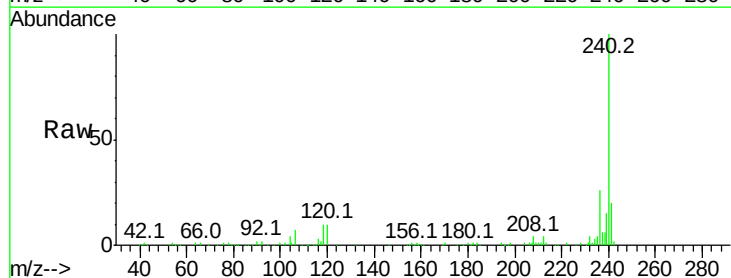


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

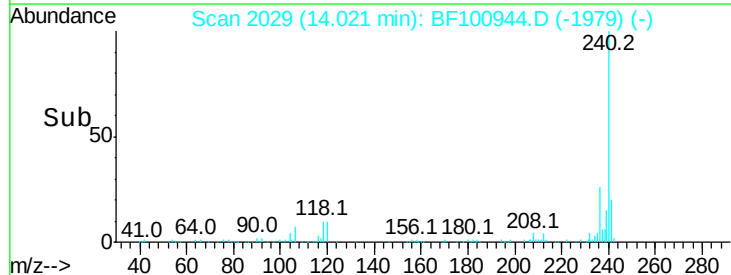
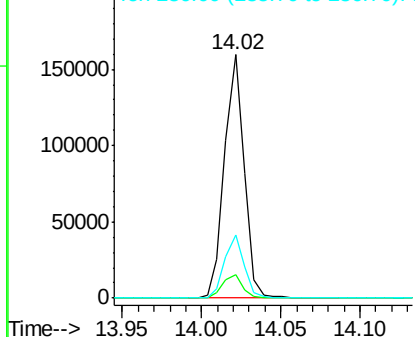


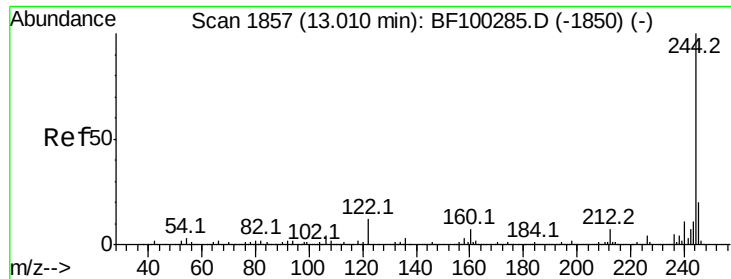
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.01 min  
Lab File: BF100944.D  
Acq: 28 Nov 2017 19:53

Tgt Ion:240 Resp: 137961  
Ion Ratio Lower Upper  
240 100  
120 9.6 9.5 14.3  
236 26.1 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

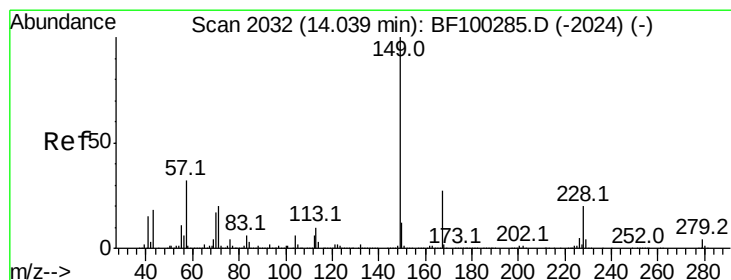
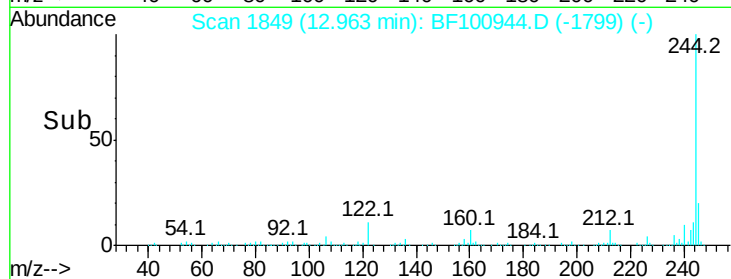
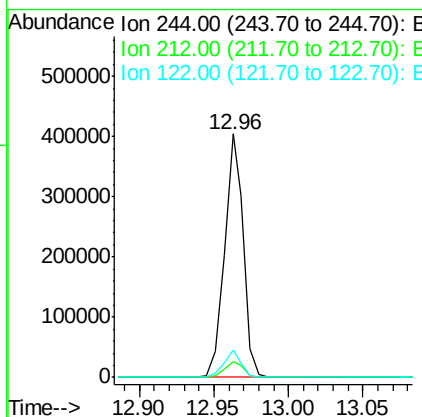
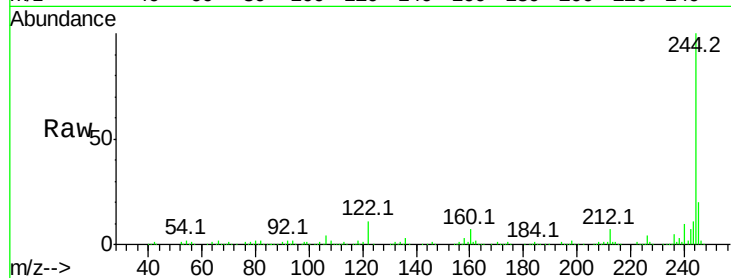




#78  
 Terphenyl-d14  
 Concen: 59.567 ng  
 RT: 12.96 min Scan# 1849  
 Delta R.T. -0.01 min  
 Lab File: BF100944.D  
 Acq: 28 Nov 2017 19:53

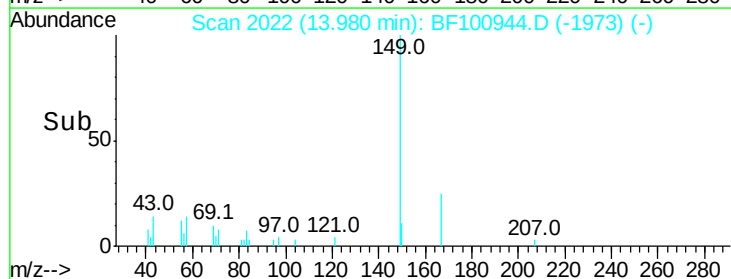
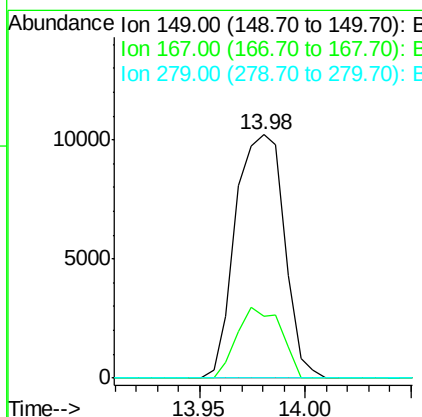
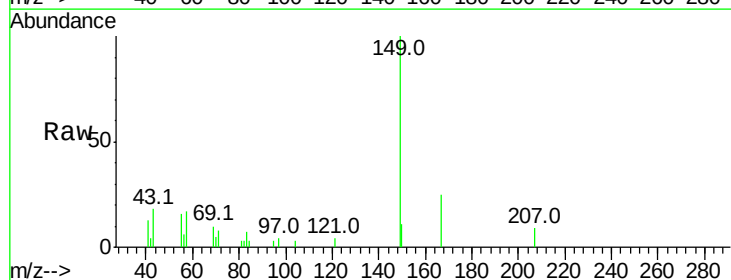
Instrument :  
 BNA\_F  
 ClientSampleId :

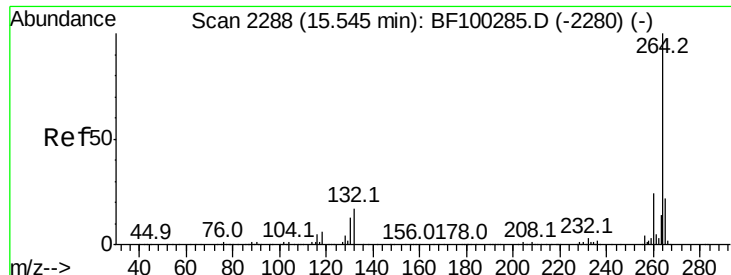
Tot Ion:244 Resp: 357658  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.0  
 122 11.3 11.0 16.4



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.091 ng  
 RT: 13.98 min Scan# 2022  
 Delta R.T. -0.01 min  
 Lab File: BF100944.D  
 Acq: 28 Nov 2017 19:53

Tgt Ion:149 Resp: 16305  
 Ion Ratio Lower Upper  
 149 100  
 167 25.2 21.3 31.9  
 279 0.0 3.0 4.4#

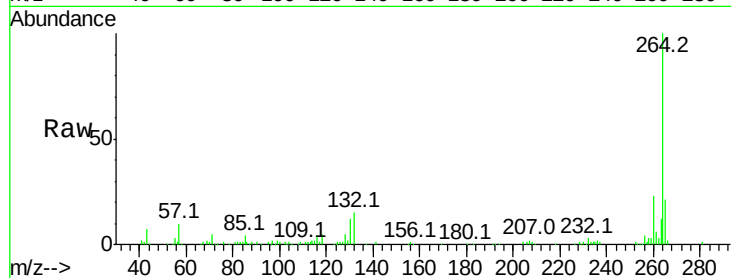




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. -0.00 min  
Lab File: BF100944.D  
Acq: 28 Nov 2017 19:53

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 19.2  | 28.8  |
| 265     | 20.9  | 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

