

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
 Data File : BF099019.D  
 Acq On : 3 Oct 2017 00:15  
 Operator : SJ/JU  
 Sample : I5546-01 100X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

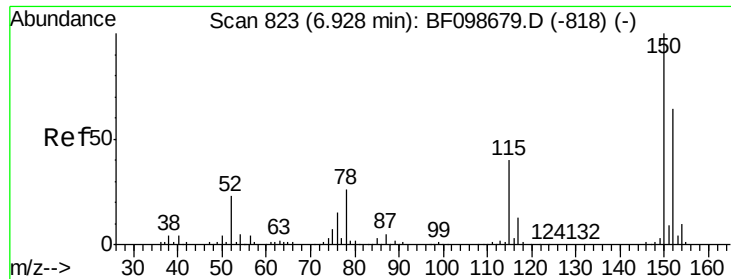
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 03 01:04:54 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 23 13:50:58 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.90  | 152  | 101111   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.19  | 136  | 379779   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.95  | 164  | 137565   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.43 | 188  | 212833   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.07 | 240  | 212517   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.56 | 264  | 178096   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.53  | 112  | 594      | 0.09   | ng    | -0.01    |
| 7) Phenol-d6                   | 6.61  | 99   | 1101     | 0.14   | ng    | 0.06     |
| 23) Nitrobenzene-d5            | 7.47  | 82   | 823      | 0.14   | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 0.00  | 330  | 0        | 0.00   | ng    |          |
| 44) 2-Fluorobiphenyl           | 9.26  | 172  | 1735     | 0.21   | ng    | -0.02    |
| 78) Terphenyl-d14              | 13.01 | 244  | 1575     | 0.17   | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.46  | 77   | 31056    | 6.83   | ng    | 99       |
| 15) Benzyl Alcohol             | 7.05  | 79   | 477347   | 83.04  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98  | 45   | 54929    | 5.18   | ng    | 70       |
| 17) 2-Methylphenol             | 7.09  | 107  | 867722   | 147.44 | ng    | # 24     |
| 19) n-Nitroso-di-n-propylamine | 7.17  | 70   | 153879   | 30.76  | ng    | # 1      |
| 20) 3+4-Methylphenols          | 7.09  | 107  | 867722   | 116.54 | ng    | # 1      |
| 22) Acetophenone               | 7.08  | 105  | 53454    | 5.81   | ng    | # 1      |
| 35) Caprolactam                | 8.40  | 113  | 7680     | 4.57   | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 9.95  | 165  | 17149    | 7.59   | ng    | # 27     |
| 56) 2,4-Dinitrotoluene         | 9.95  | 165  | 17149    | 5.85   | ng    | # 25     |
| 83) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 225184   | 21.47  | ng    | # 99     |

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



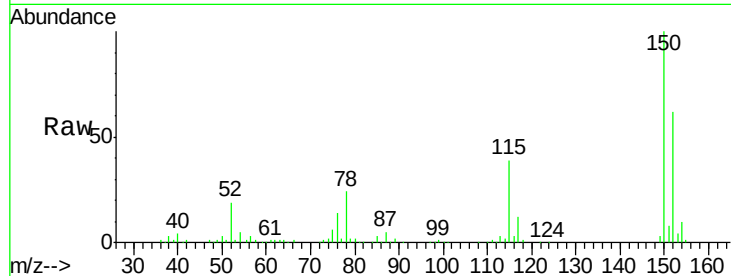


#1

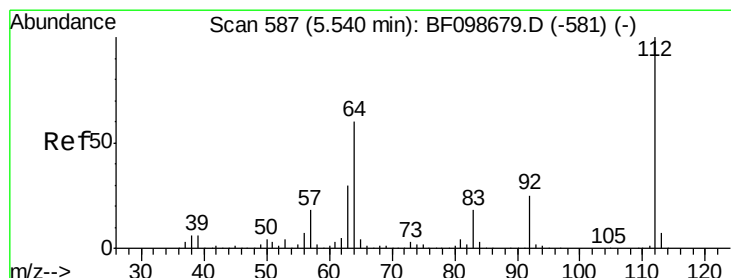
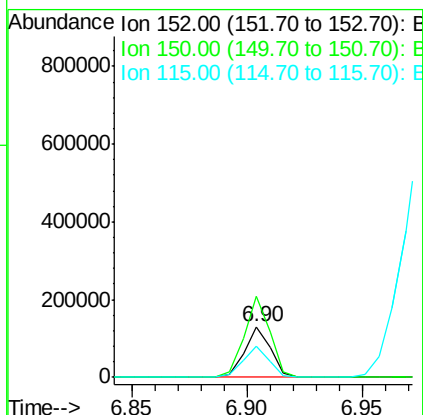
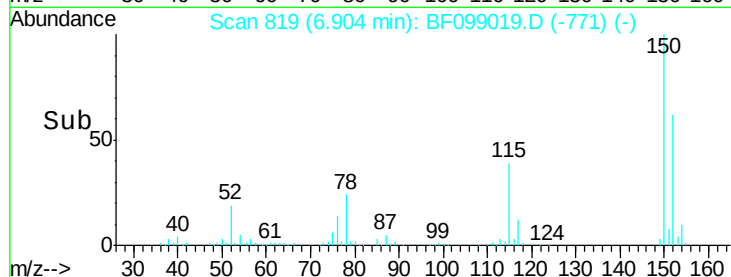
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.90 min Scan# 819  
Delta R.T. -0.02 min  
Lab File: BF099019.D  
Acq: 3 Oct 2017 00:15

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 101111  
Ion Ratio Lower Upper  
152 100  
150 160.4 124.6 186.8  
115 63.0 50.1 75.1



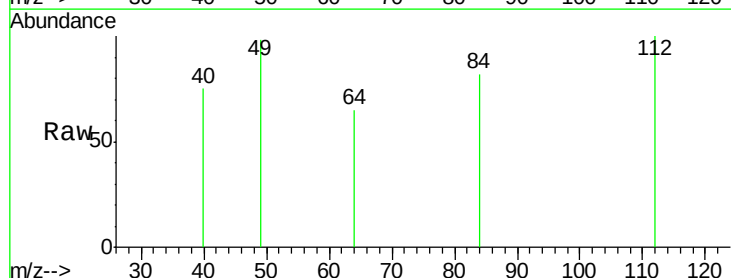
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



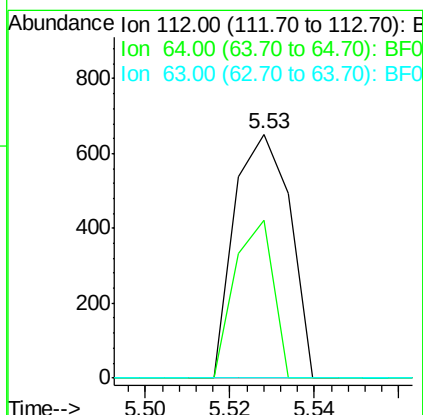
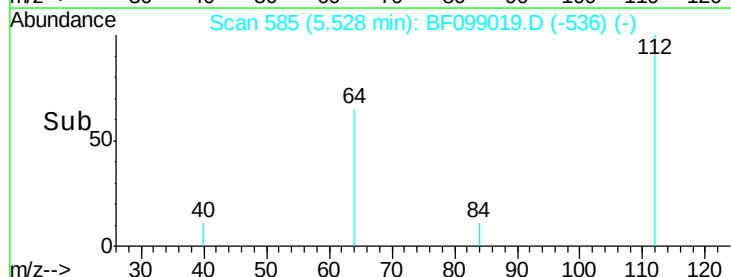
#5

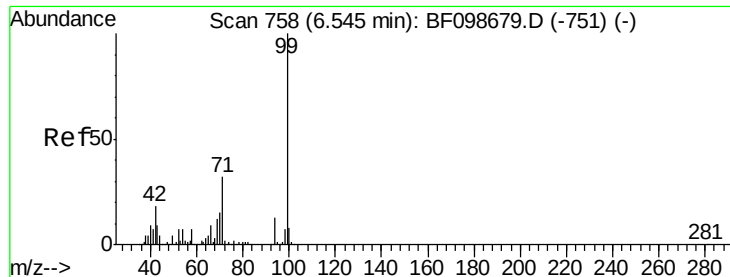
2-Fluorophenol  
Concen: 0.09 ng  
RT: 5.53 min Scan# 585  
Delta R.T. -0.01 min  
Lab File: BF099019.D  
Acq: 3 Oct 2017 00:15

Tgt Ion:112 Resp: 594  
Ion Ratio Lower Upper  
112 100  
64 64.8 47.9 71.9  
63 0.0 23.7 35.5#



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: 0.14 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.06 min

Lab File: BF099019.D

Acq: 3 Oct 2017 00:15

Instrument :

BNA\_F

ClientSampleId :

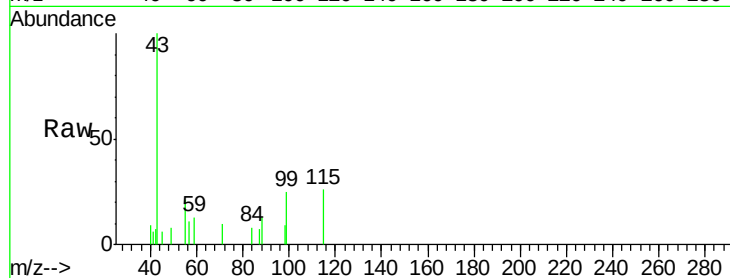
Tot Ion: 99 Resp: 1101

Ion Ratio Lower Upper

99 100

42 30.2 14.5 21.7#

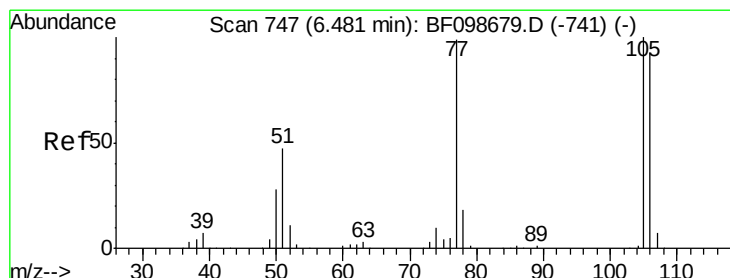
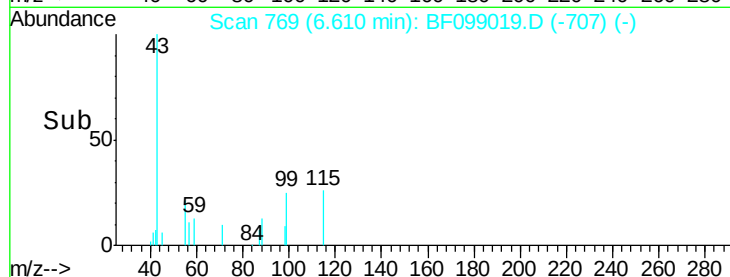
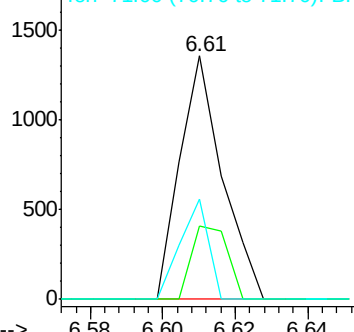
71 41.0 25.4 38.0#



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



#9

Benzaldehyde

Concen: 6.83 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF099019.D

Acq: 3 Oct 2017 00:15

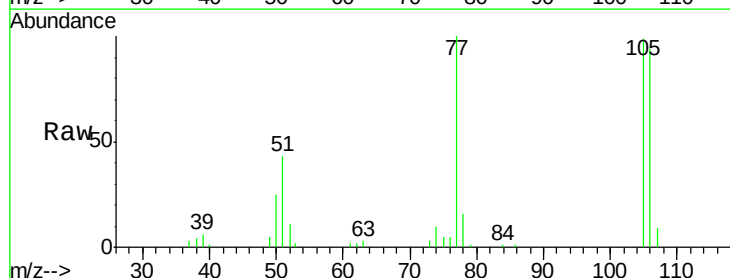
Tgt Ion: 77 Resp: 31056

Ion Ratio Lower Upper

77 100

105 99.2 81.1 121.1

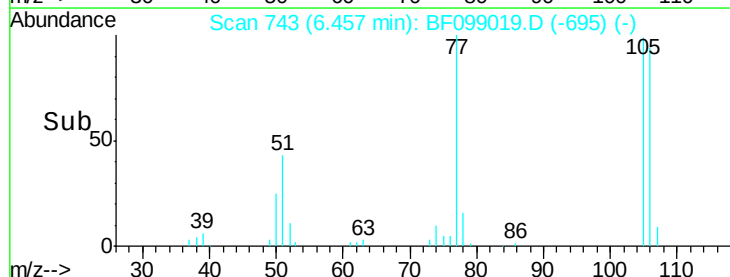
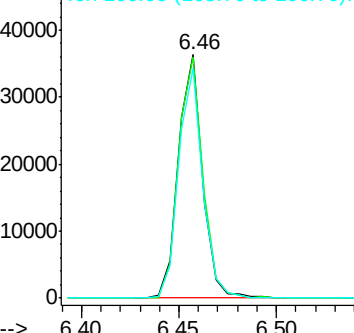
106 94.2 74.5 114.5

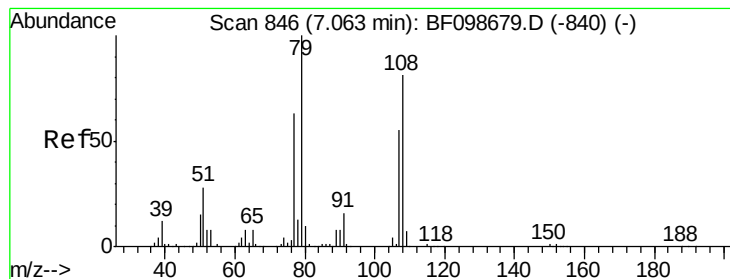


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 83.04 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.02 min

Lab File: BF099019.D

Acq: 3 Oct 2017 00:15

Instrument :

BNA\_F

ClientSampled :

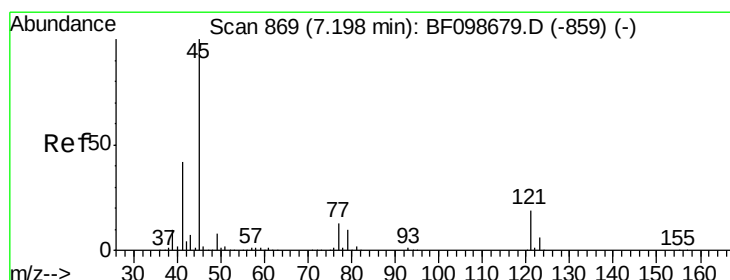
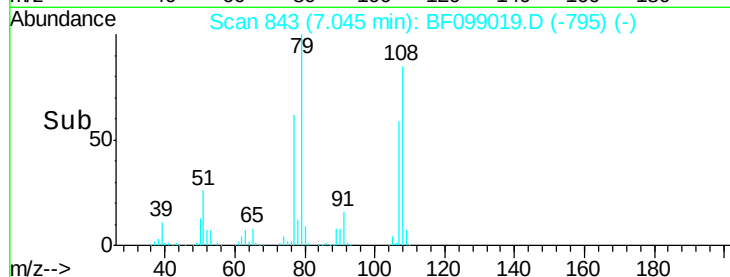
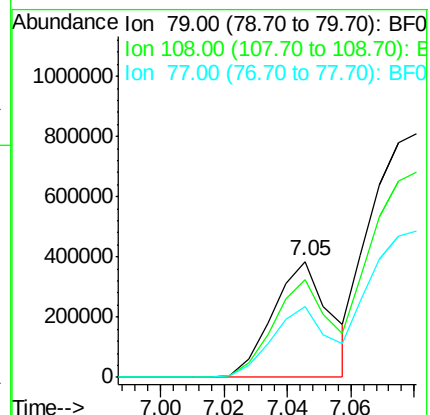
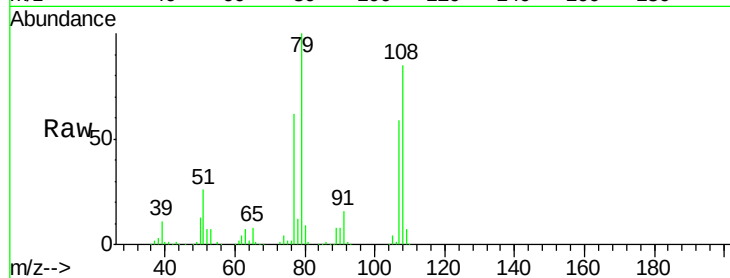
Tot Ion: 79 Resp: 477347

Ion Ratio Lower Upper

79 100

108 84.7 65.1 97.7

77 61.5 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 5.18 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.21 min

Lab File: BF099019.D

Acq: 3 Oct 2017 00:15

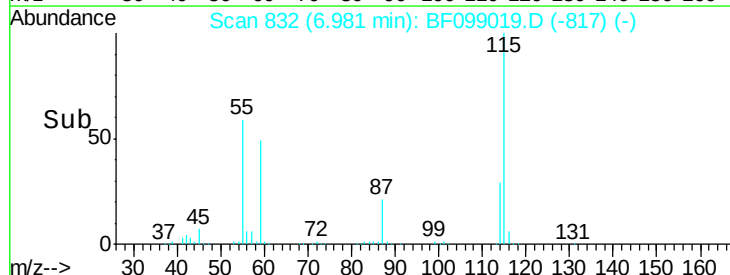
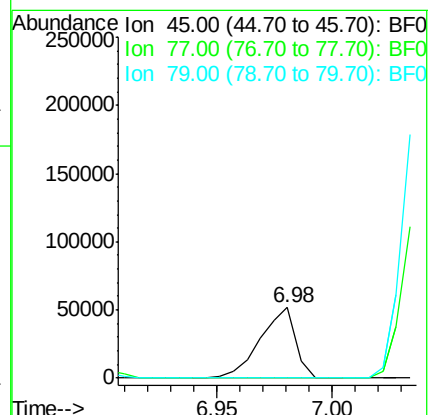
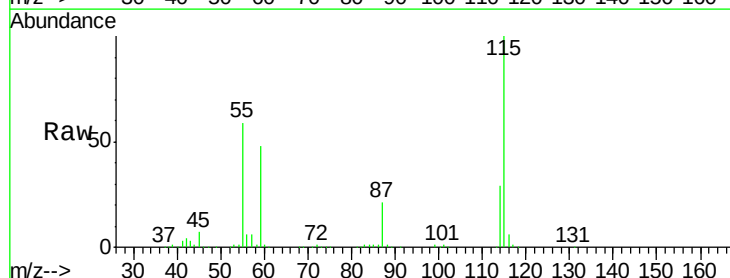
Tgt Ion: 45 Resp: 54929

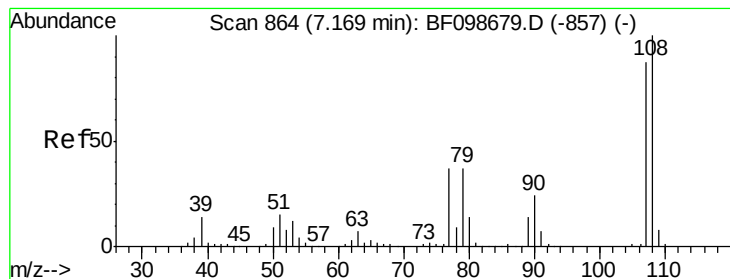
Ion Ratio Lower Upper

45 100

77 0.0 0.0 32.9

79 0.0 0.0 29.6

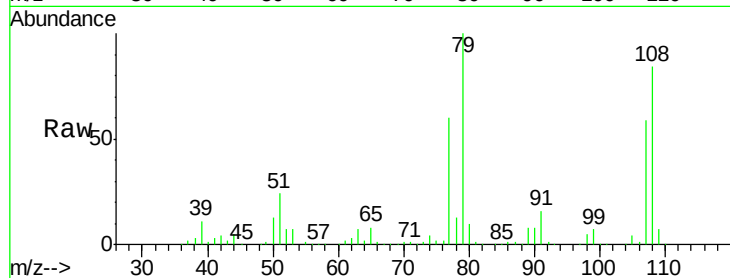




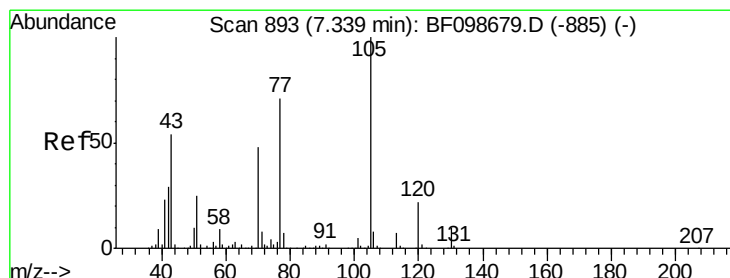
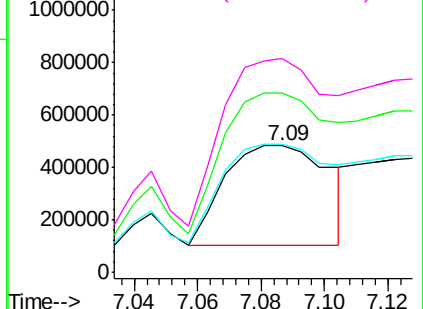
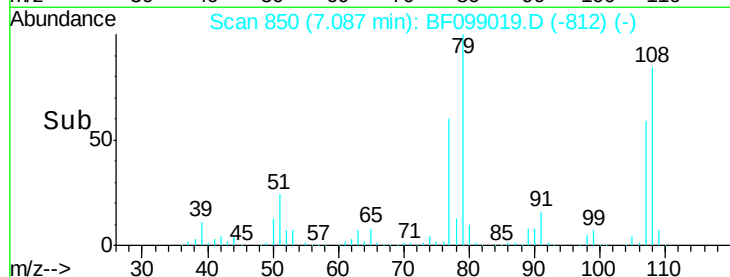
#17  
2-Methylphenol  
Concen: 147.44 ng  
RT: 7.09 min Scan# 850  
Delta R.T. -0.08 min  
Lab File: BF099019.D  
Acq: 3 Oct 2017 00:15

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:107 Resp: 867722  
Ion Ratio Lower Upper  
107 100  
108 141.4 91.7 137.5#  
77 101.1 33.8 50.8#  
79 168.9 33.8 50.8#

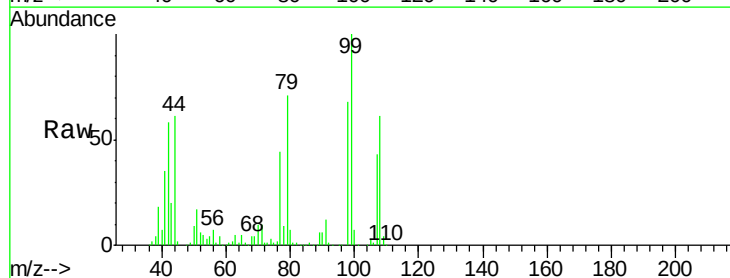


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

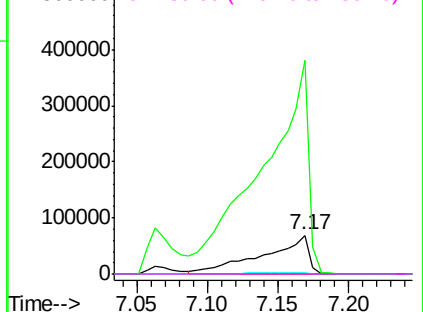
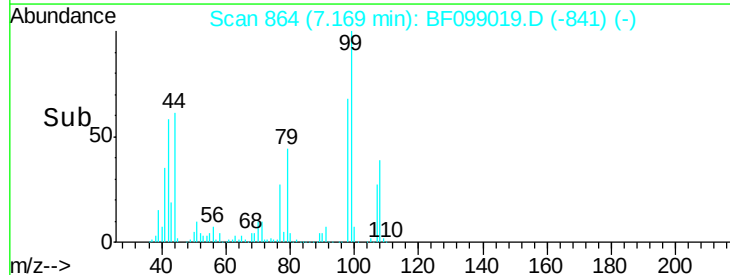


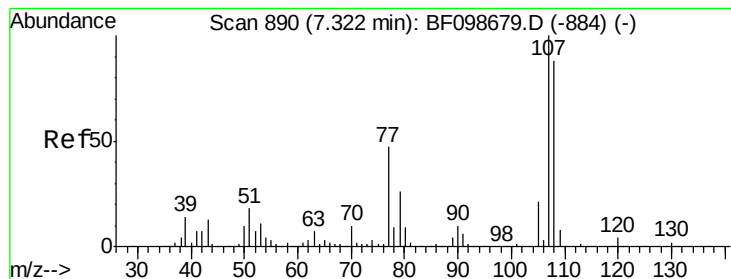
#19  
n-Nitroso-di-n-propylamine  
Concen: 30.76 ng  
RT: 7.17 min Scan# 864  
Delta R.T. -0.16 min  
Lab File: BF099019.D  
Acq: 3 Oct 2017 00:15

Tgt Ion: 70 Resp: 153879  
Ion Ratio Lower Upper  
70 100  
42 551.6 47.5 71.3#  
101 4.0 7.4 11.2#  
130 0.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 116.54 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.24 min

Lab File: BF099019.D

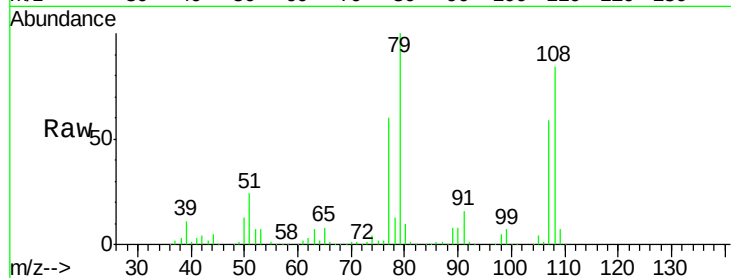
Acq: 3 Oct 2017 00:15

Instrument :

BNA\_F

ClientSampled :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:107 | Resp: | 867722      |
| Ion Ratio   | Lower | Upper       |
| 107         | 100   |             |
| 108         | 141.4 | 68.2 108.2# |
| 77          | 101.1 | 26.7 66.7#  |
| 79          | 168.9 | 6.3 46.3#   |

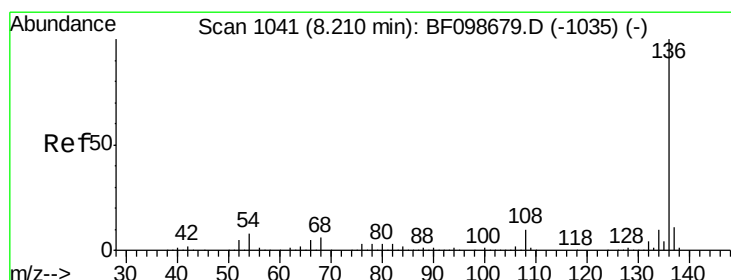
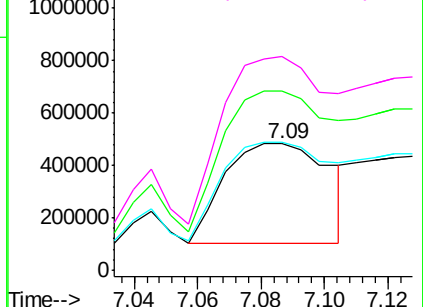
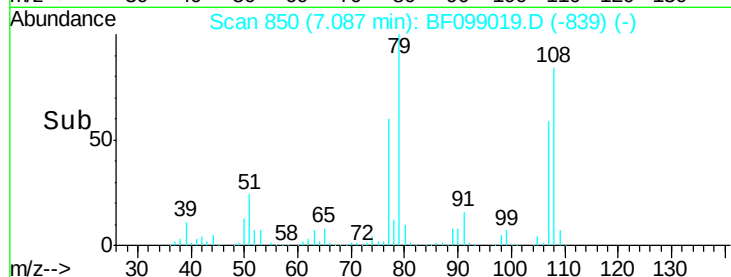


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

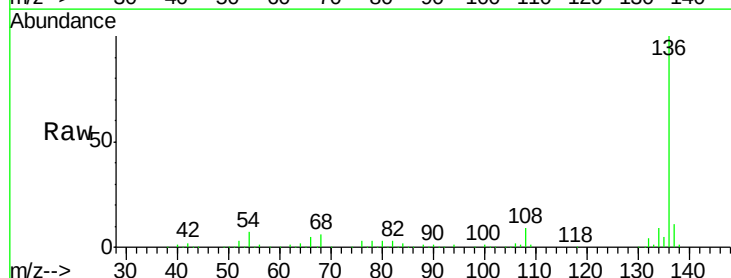
RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF099019.D

Acq: 3 Oct 2017 00:15

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 379779   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.6  | 8.9 13.3 |
| 54          | 6.8   | 6.6 9.8  |
| 68          | 5.5   | 5.0 7.4  |

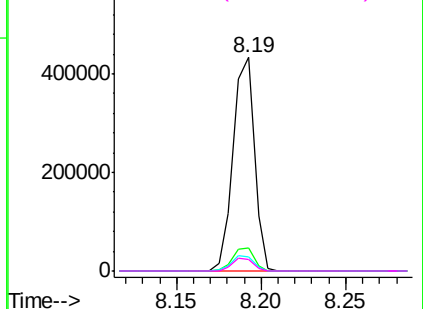
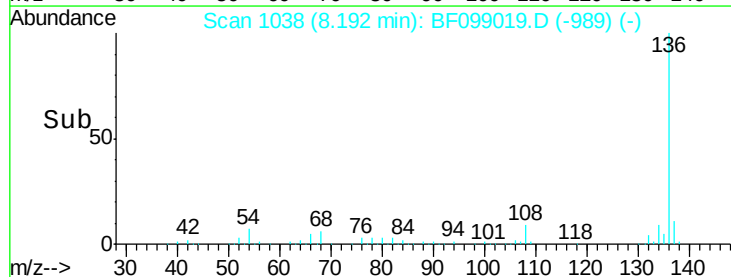


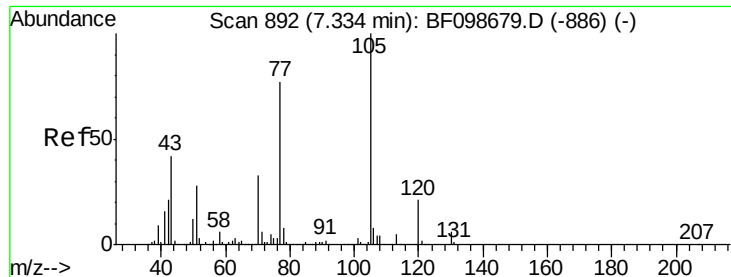
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

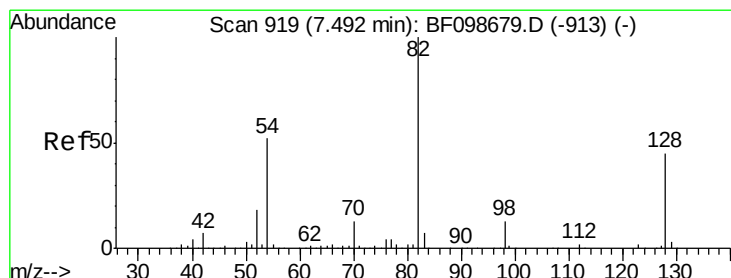
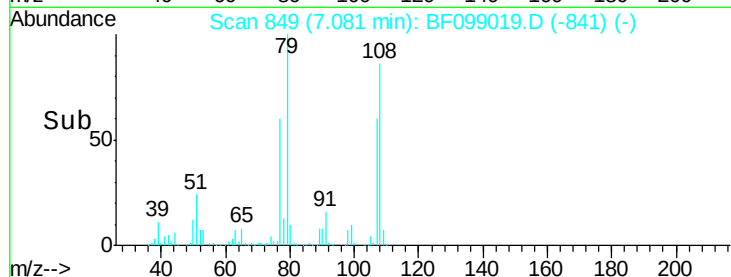
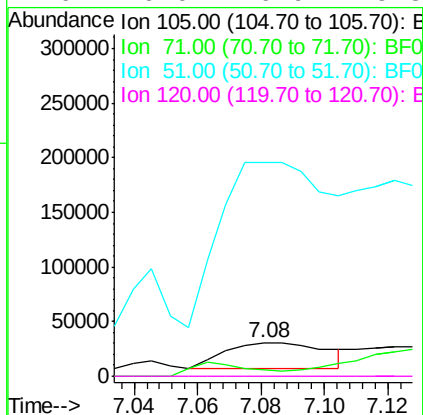
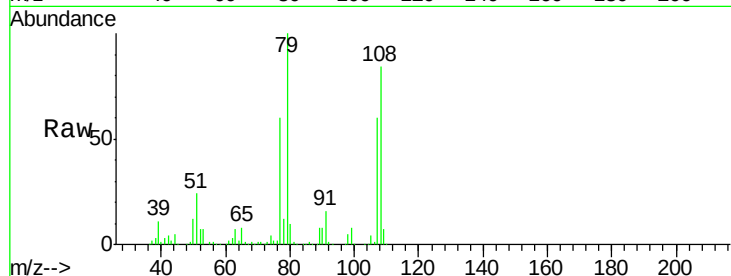




#22  
Acetophenone  
Concen: 5.81 ng  
RT: 7.08 min Scan# 849  
Delta R.T. -0.25 min  
Lab File: BF099019.D  
Acq: 3 Oct 2017 00:15

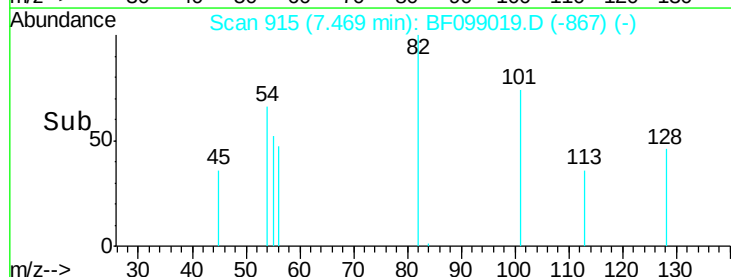
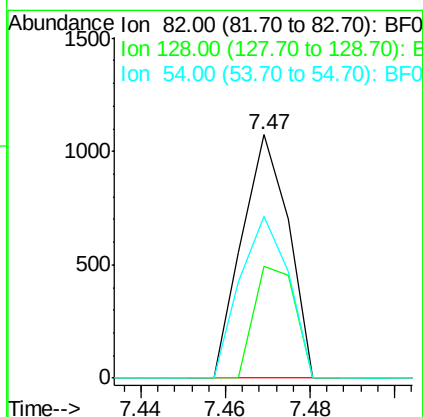
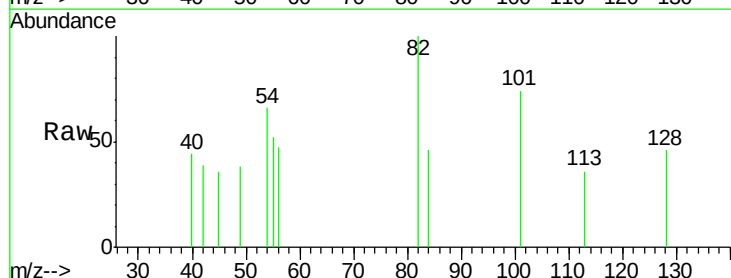
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:105 Resp: 53454  
Ion Ratio Lower Upper  
105 100  
71 17.9 4.4 6.6#  
51 636.5 22.3 33.5#  
120 0.0 16.9 25.3#

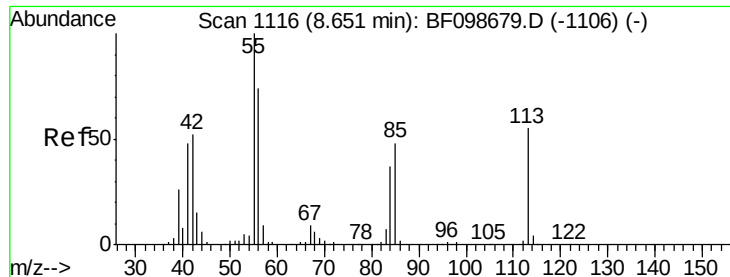


#23  
Nitrobenzene-d5  
Concen: 0.14 ng  
RT: 7.47 min Scan# 915  
Delta R.T. -0.02 min  
Lab File: BF099019.D  
Acq: 3 Oct 2017 00:15

Tgt Ion: 82 Resp: 823  
Ion Ratio Lower Upper  
82 100  
128 45.9 36.1 54.1  
54 66.5 41.4 62.2#



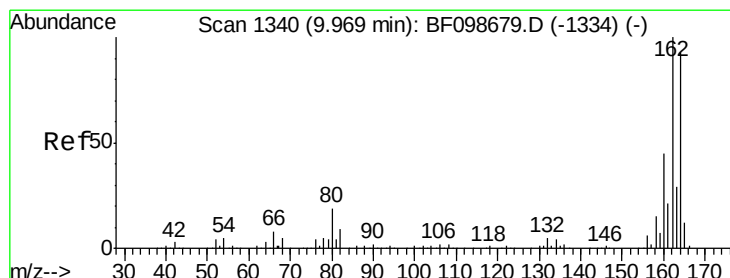
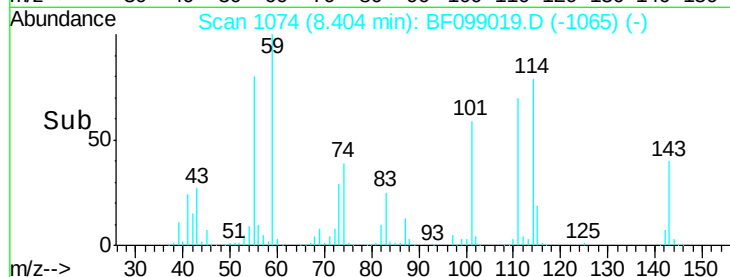
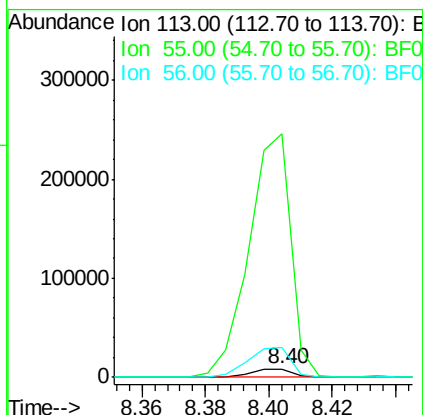
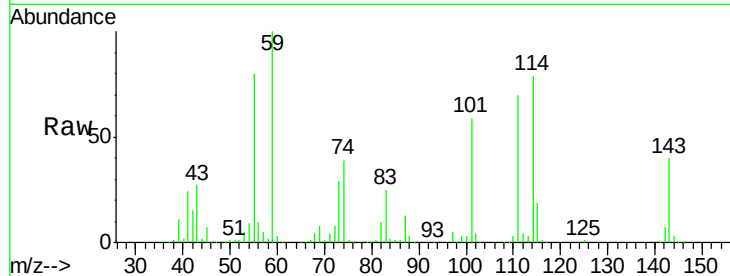




#35  
 Caprolactam  
 Concen: 4.57 ng  
 RT: 8.40 min Scan# 1074  
 Delta R.T. -0.25 min  
 Lab File: BF099019.D  
 Acq: 3 Oct 2017 00:15

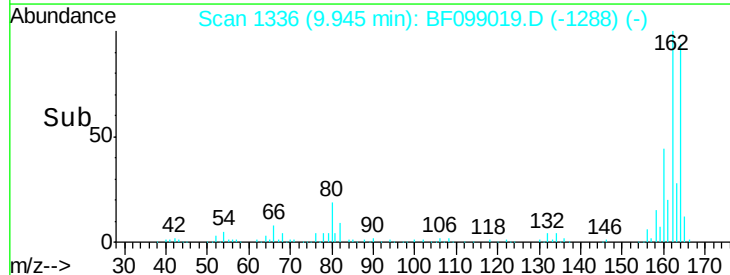
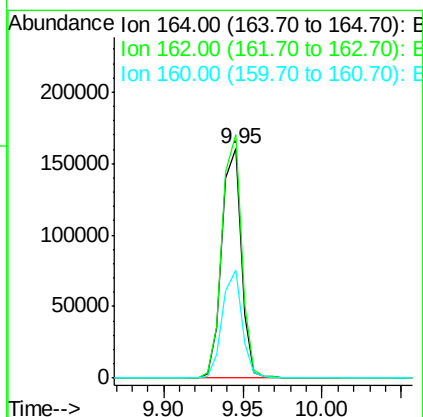
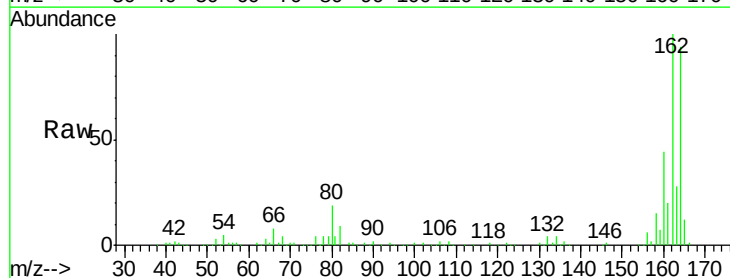
Instrument :  
 BNA\_F  
 ClientSampleId :

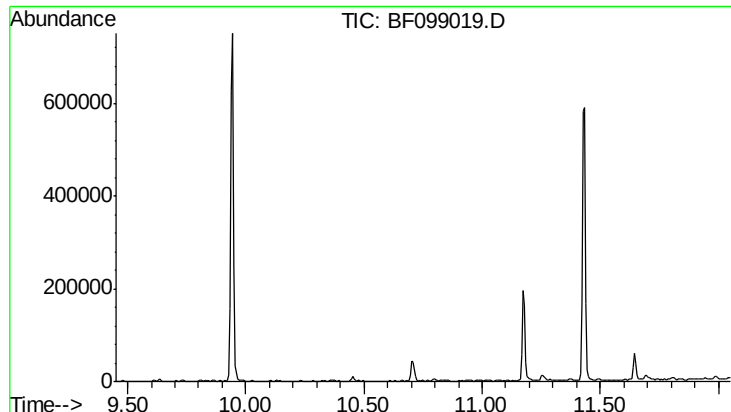
Tot Ion:113 Resp: 7680  
 Ion Ratio Lower Upper  
 113 100  
 55 2795.8 163.3 203.3#  
 56 343.9 115.7 155.7#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.95 min Scan# 1336  
 Delta R.T. -0.02 min  
 Lab File: BF099019.D  
 Acq: 3 Oct 2017 00:15

Tgt Ion:164 Resp: 137565  
 Ion Ratio Lower Upper  
 164 100  
 162 106.3 86.1 129.1  
 160 47.0 38.3 57.5

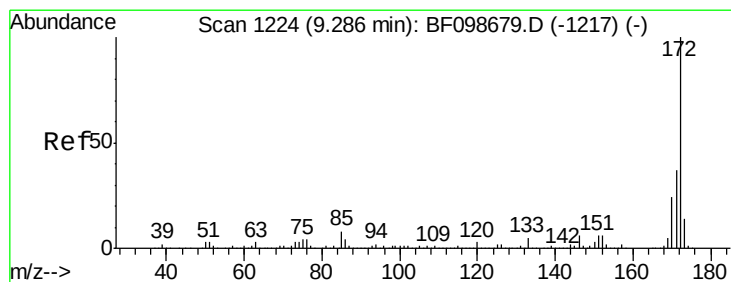
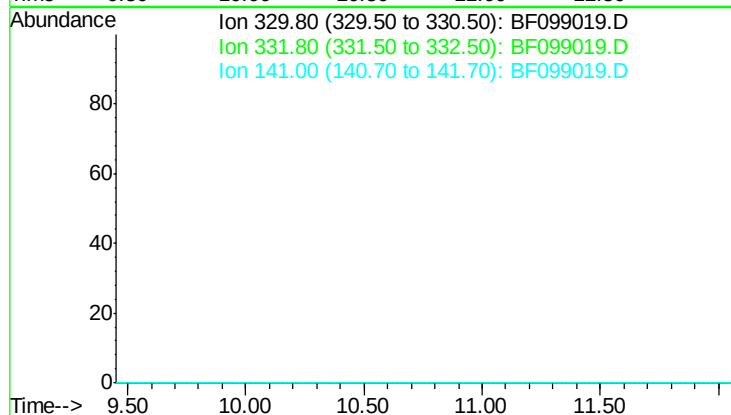




#41  
 2,4,6-Tribromophenol  
 Concen: 0.00 ng  
 Expected RT: 10.75 min  
 Lab File: BF099019.D  
 Acq: 3 Oct 2017 00:15

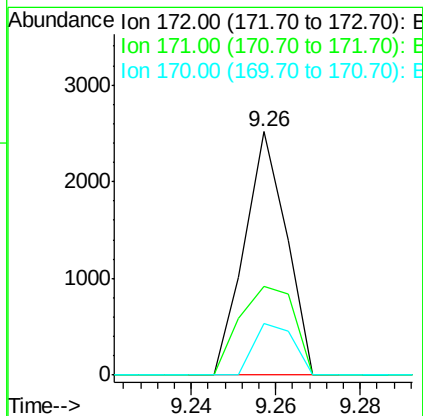
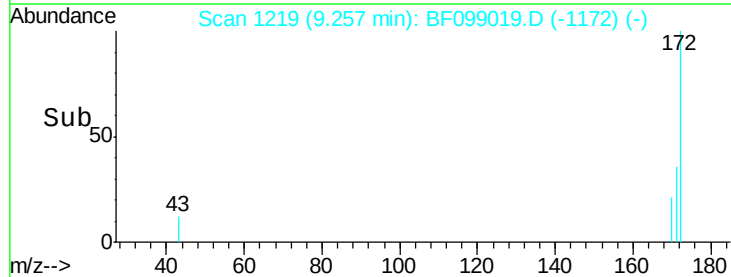
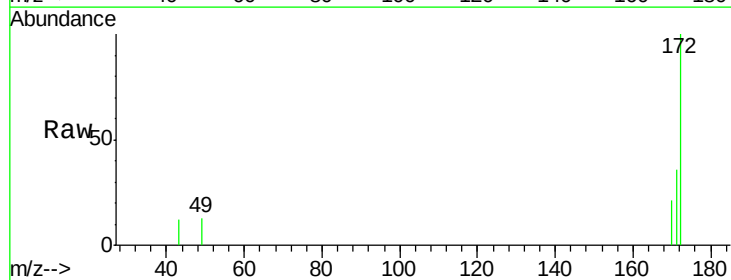
Instrument :  
 BNA\_F  
 ClientSampleId :

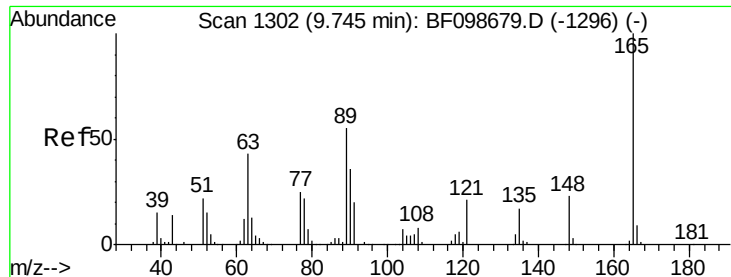
Tot Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 96.3  
 141 37.4



#44  
 2-Fluorobiphenyl  
 Concen: 0.21 ng  
 RT: 9.26 min Scan# 1219  
 Delta R.T. -0.02 min  
 Lab File: BF099019.D  
 Acq: 3 Oct 2017 00:15

Tgt Ion: 172 Resp: 1735  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.7 44.5  
 170 21.4 19.6 29.4

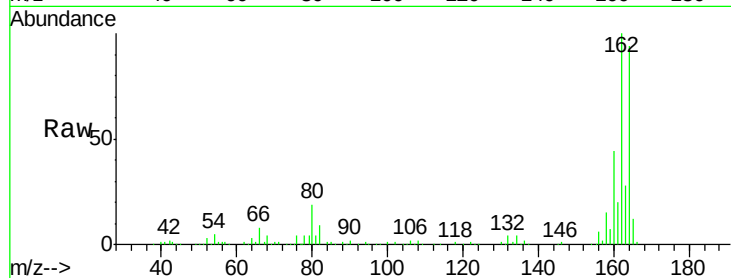




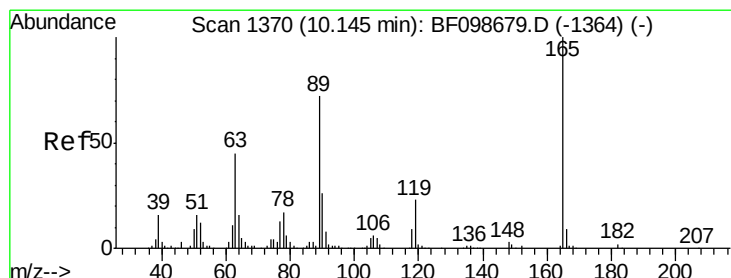
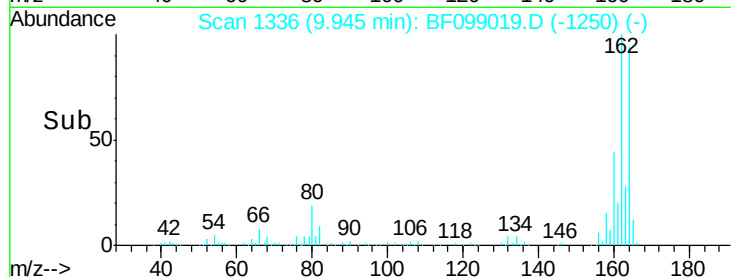
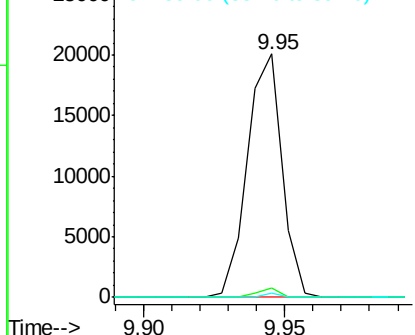
#50  
 2,6-Dinitrotoluene  
 Concen: 7.59 ng  
 RT: 9.95 min Scan# 1336  
 Delta R.T. 0.21 min  
 Lab File: BF099019.D  
 Acq: 3 Oct 2017 00:15

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 17149  
 Ion Ratio Lower Upper  
 165 100  
 63 3.9 44.7 67.1#  
 89 1.5 44.0 66.0#

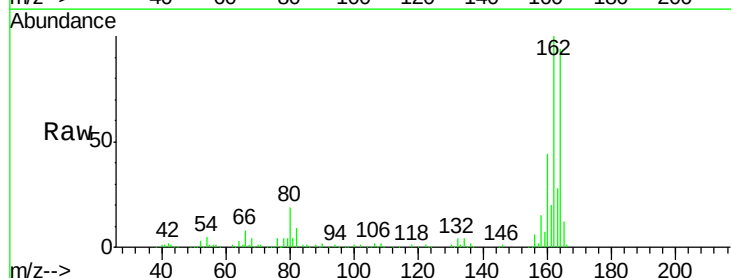


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

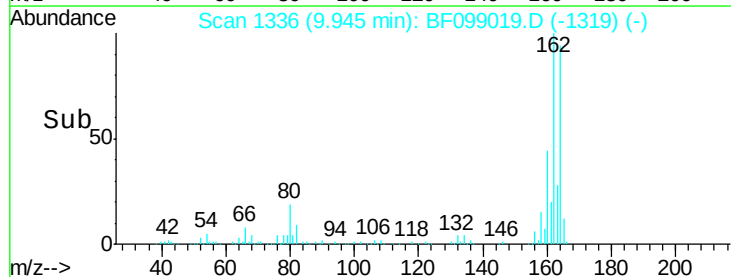
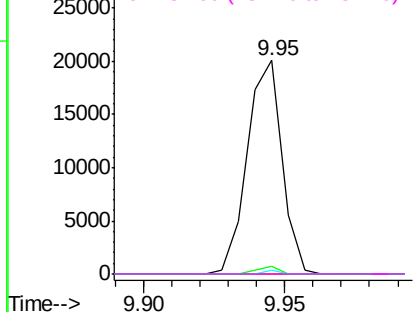


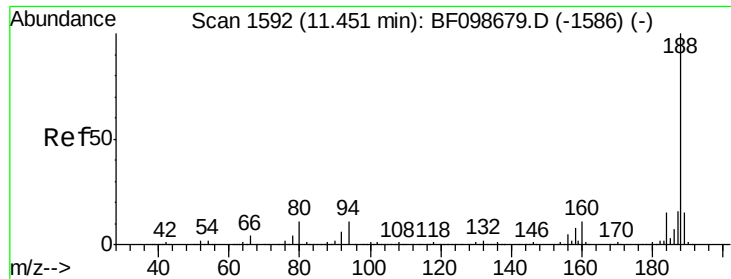
#56  
 2,4-Dinitrotoluene  
 Concen: 5.85 ng  
 RT: 9.95 min Scan# 1336  
 Delta R.T. -0.20 min  
 Lab File: BF099019.D  
 Acq: 3 Oct 2017 00:15

Tgt Ion:165 Resp: 17149  
 Ion Ratio Lower Upper  
 165 100  
 63 3.9 36.4 54.6#  
 89 1.5 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): BF0  
 Ion 89.00 (88.70 to 89.70): BF0  
 Ion 182.00 (181.70 to 182.70): E

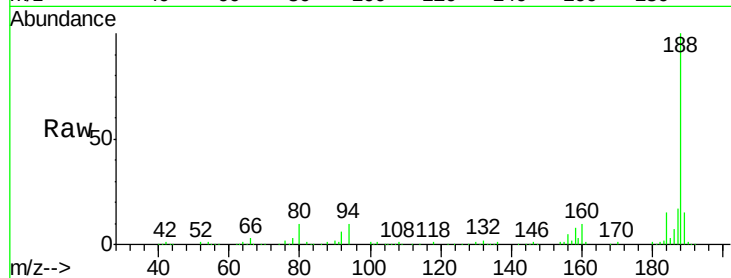




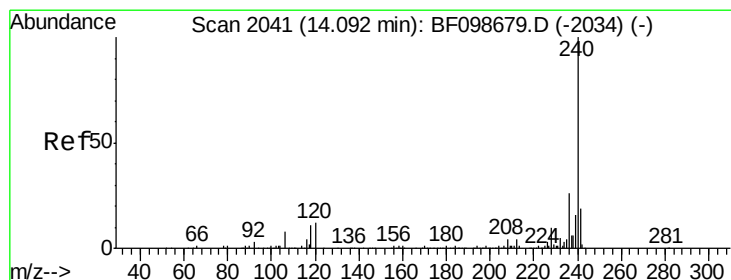
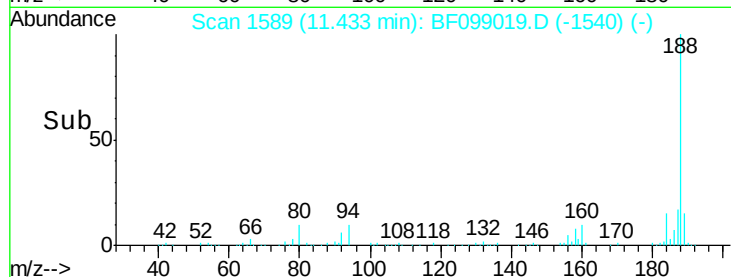
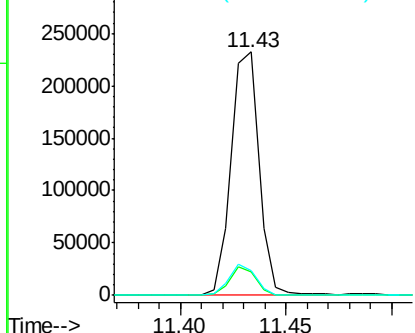
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.43 min Scan# 1589  
Delta R.T. -0.01 min  
Lab File: BF099019.D  
Acq: 3 Oct 2017 00:15

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 212833  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.5 12.7  
80 10.2 9.2 13.8

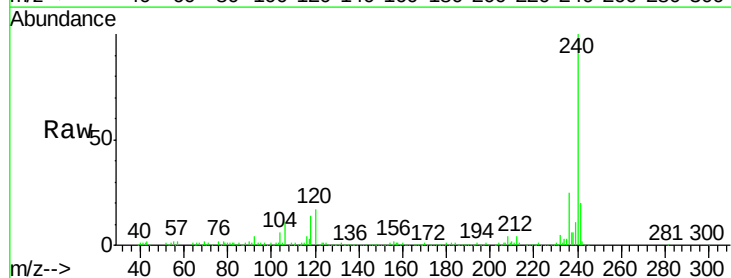


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

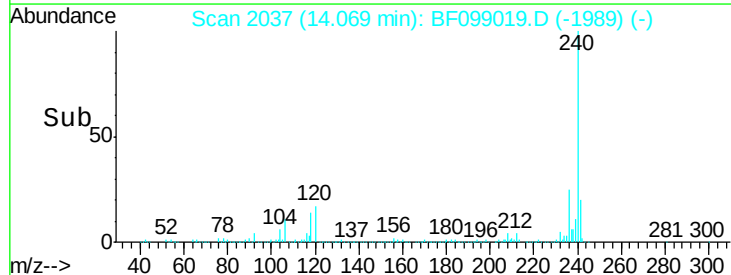
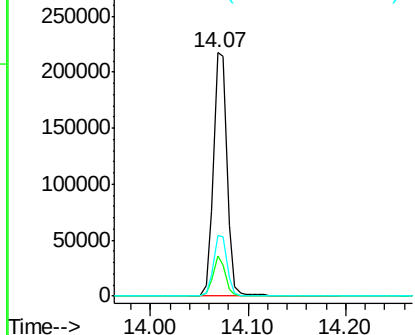


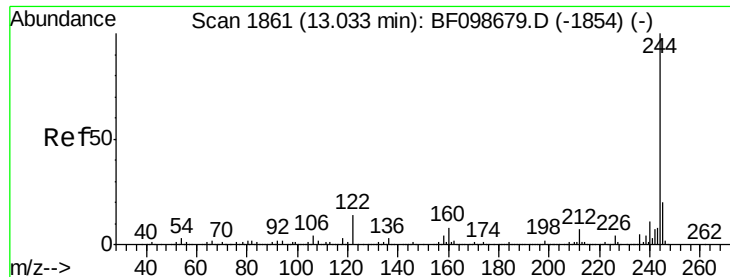
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.07 min Scan# 2037  
Delta R.T. -0.02 min  
Lab File: BF099019.D  
Acq: 3 Oct 2017 00:15

Tgt Ion:240 Resp: 212517  
Ion Ratio Lower Upper  
240 100  
120 16.6 9.5 14.3#  
236 24.9 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: 0.17 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.02 min

Lab File: BF099019.D

Acq: 3 Oct 2017 00:15

Instrument :

BNA\_F

ClientSampleId :

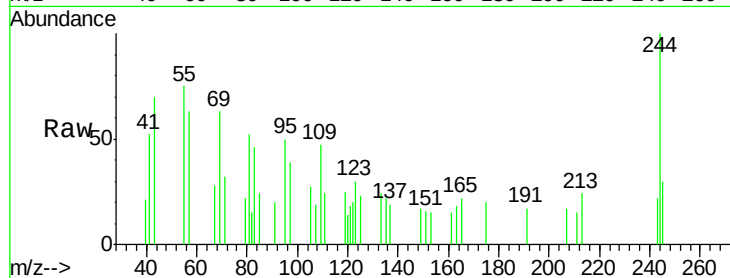
Tot Ion:244 Resp: 1575

Ion Ratio Lower Upper

244 100

212 0.0 5.4 8.0#

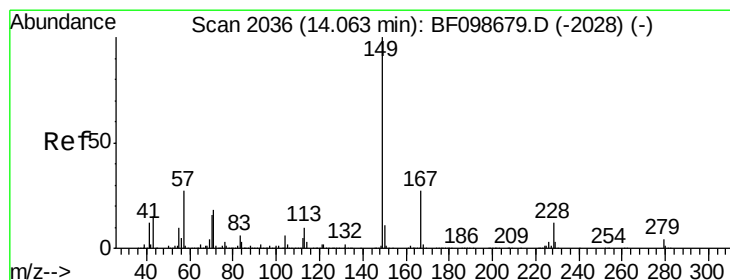
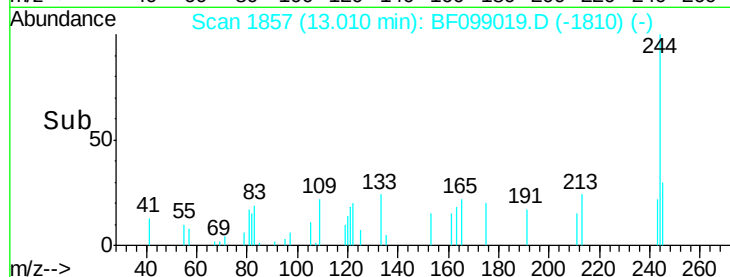
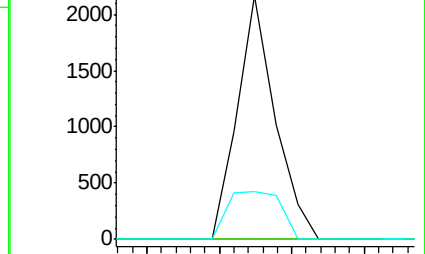
122 19.6 11.0 16.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 21.47 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF099019.D

Acq: 3 Oct 2017 00:15

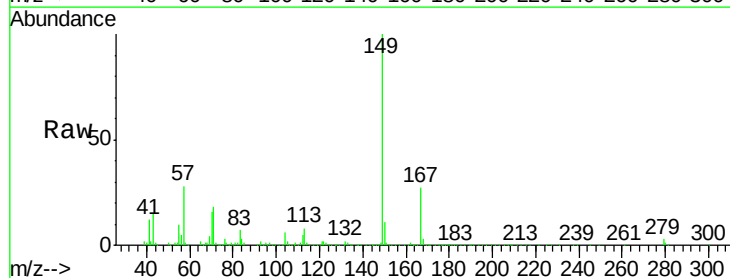
Tgt Ion:149 Resp: 225184

Ion Ratio Lower Upper

149 100

167 27.1 21.3 31.9

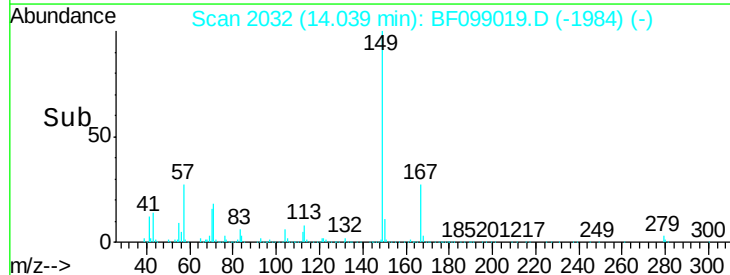
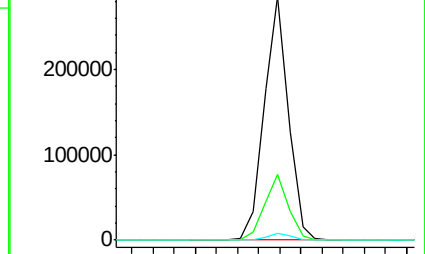
279 2.8 3.0 4.4#

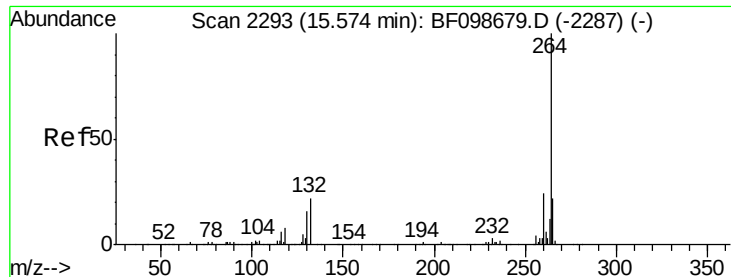


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

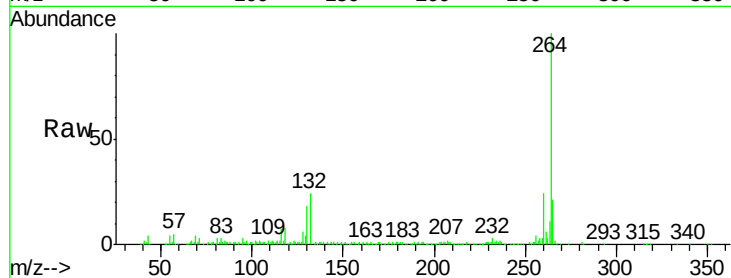




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.56 min Scan# 2291  
Delta R.T. -0.01 min  
Lab File: BF099019.D  
Acq: 3 Oct 2017 00:15

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 20.6  | 17.5  | 26.3  |

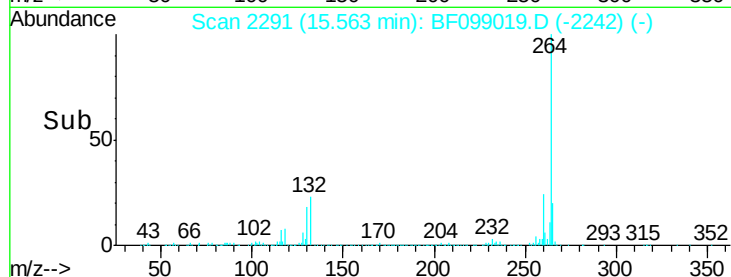
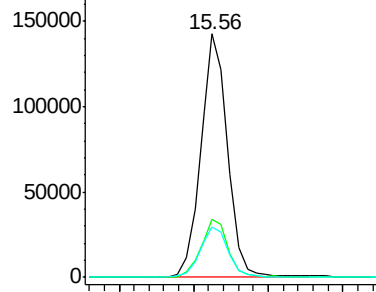


Abundance

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



Time-->