

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\  
 Data File : BF099857.D  
 Acq On : 26 Oct 2017 13:16  
 Operator : SJ/JU  
 Sample : I6090-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

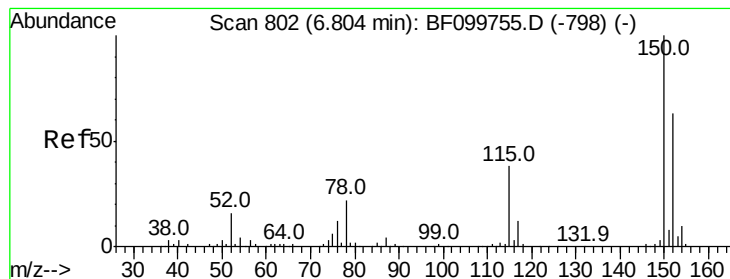
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 26 16:32:35 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 16:31:52 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.79  | 152  | 73022    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.07  | 136  | 301602   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.83  | 164  | 146302   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.33 | 188  | 258734   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.99 | 240  | 226353   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.46 | 264  | 219363   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.41  | 112  | 312348   | 67.15  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.43  | 99   | 258425   | 46.86  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 377509   | 80.58  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 160948   | 120.72 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.16  | 172  | 796925   | 84.04  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.92 | 244  | 740858   | 71.53  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.56  | 77   | 8904     | 2.702  | ng    | # 85     |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 47664    | 14.748 | ng    | # 73     |
| 25) Isophorone                 | 7.36  | 82   | 377509   | 44.409 | ng    | # 64     |
| 66) 4-Bromophenyl-phenylether  | 10.63 | 248  | 10514    | 3.860  | ng    | # 1      |

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



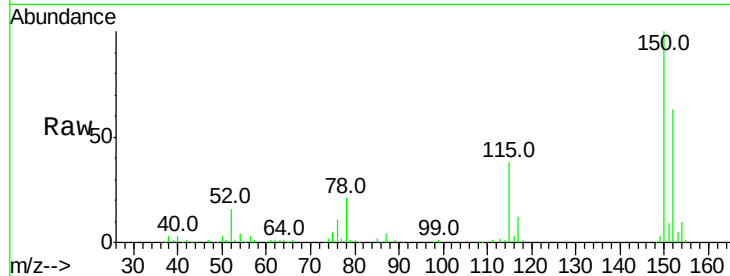


#1

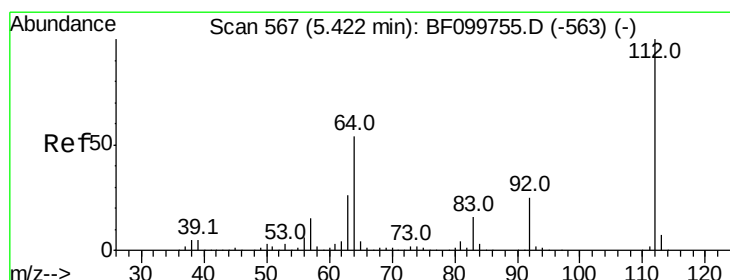
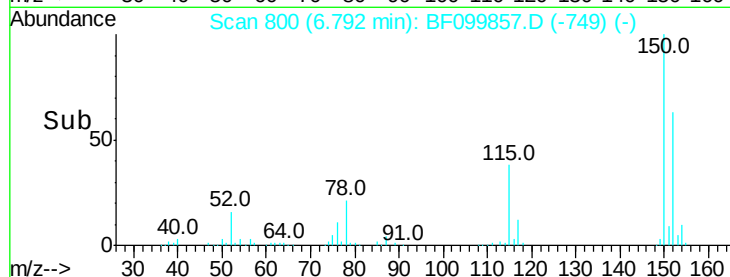
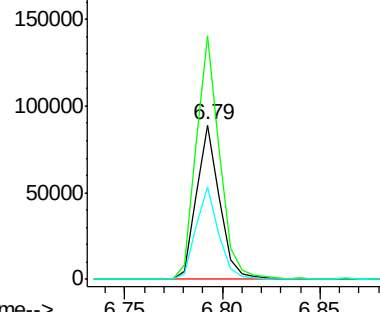
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 800  
Delta R.T. 0.00 min  
Lab File: BF099857.D  
Acq: 26 Oct 2017 13:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 73022  
Ion Ratio Lower Upper  
152 100  
150 157.7 124.6 186.8  
115 59.7 50.1 75.1



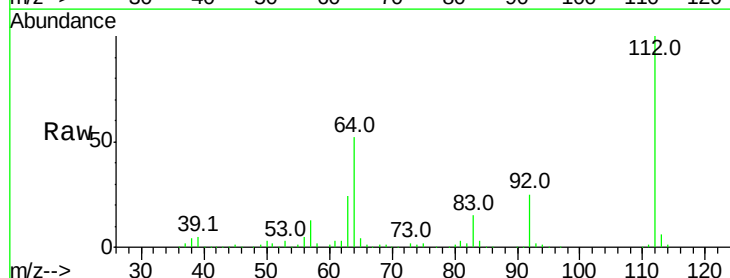
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



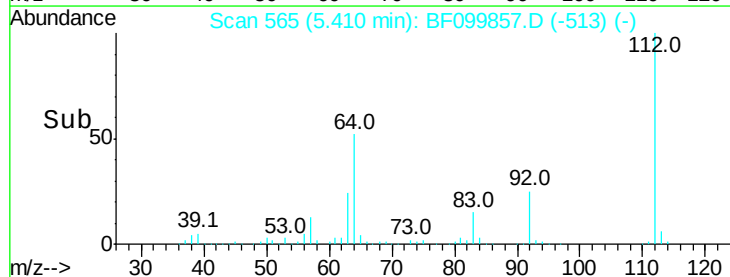
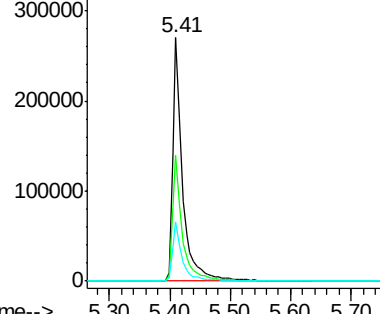
#5

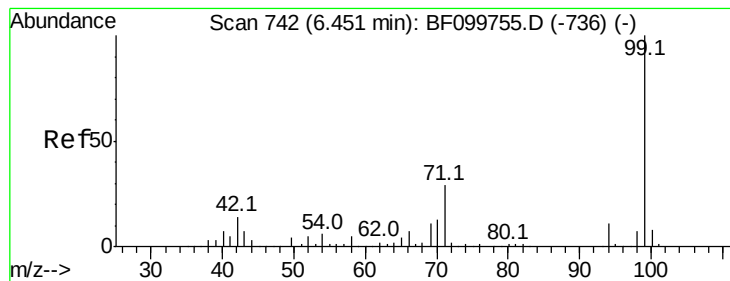
2-Fluorophenol  
Concen: 67.155 ng  
RT: 5.41 min Scan# 565  
Delta R.T. 0.01 min  
Lab File: BF099857.D  
Acq: 26 Oct 2017 13:16

Tgt Ion:112 Resp: 312348  
Ion Ratio Lower Upper  
112 100  
64 51.6 47.9 71.9  
63 24.1 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: 46.859 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF099857.D

Acq: 26 Oct 2017 13:16

Instrument :

BNA\_F

ClientSampleId :

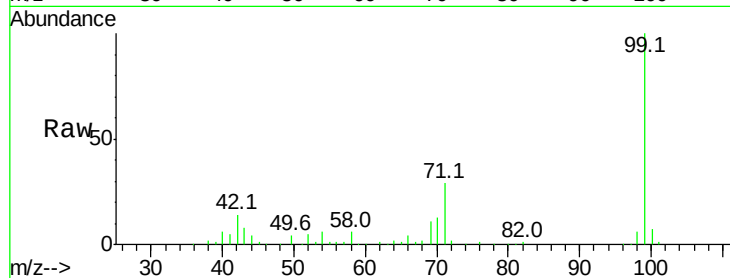
Tot Ion: 99 Resp: 258425

Ion Ratio Lower Upper

99 100

42 14.2 14.5 21.7#

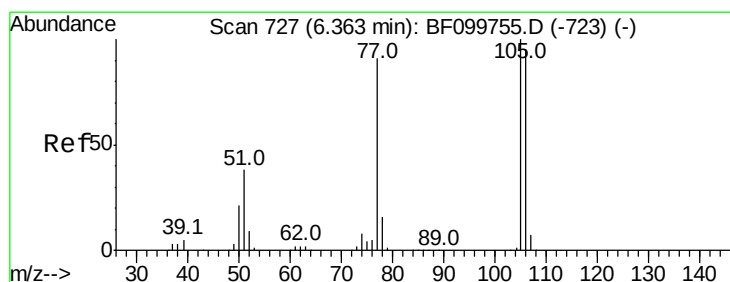
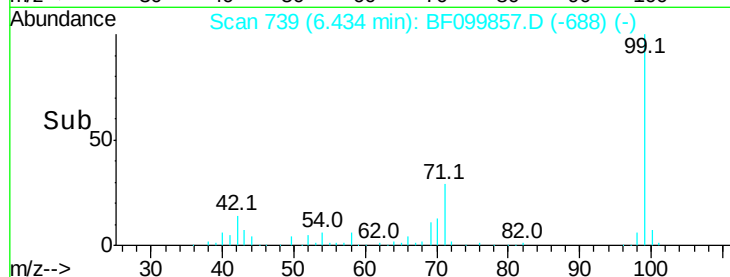
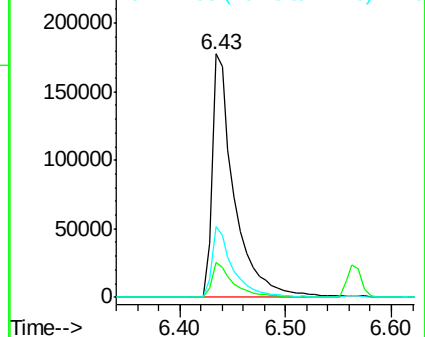
71 29.3 25.4 38.0



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: 2.702 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF099857.D

Acq: 26 Oct 2017 13:16

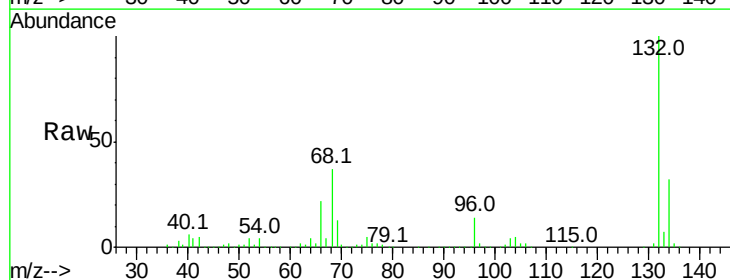
Tgt Ion: 77 Resp: 8904

Ion Ratio Lower Upper

77 100

105 80.9 81.1 121.1#

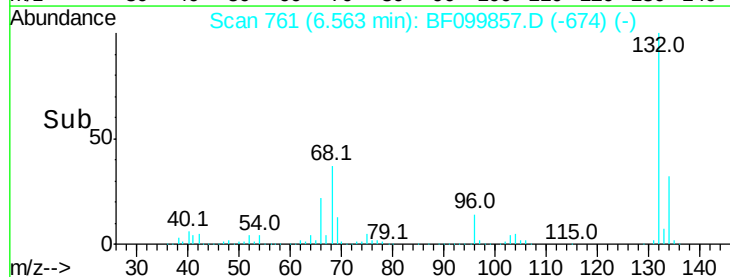
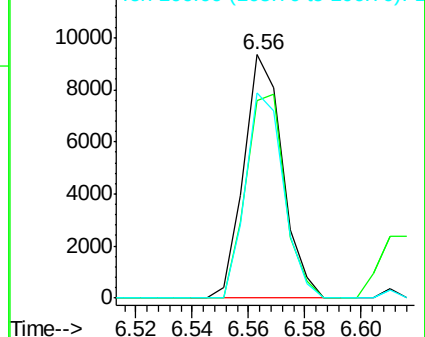
106 84.2 74.5 114.5

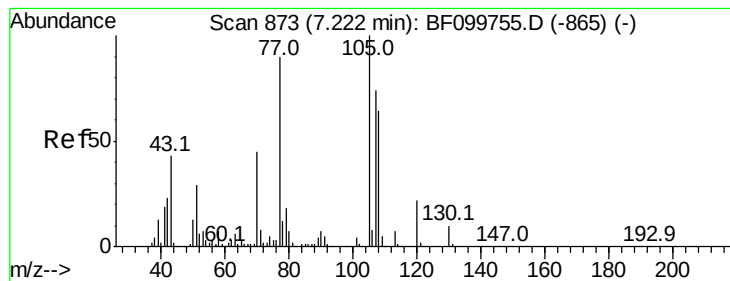


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 14.748 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099857.D

Acq: 26 Oct 2017 13:16

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 47664

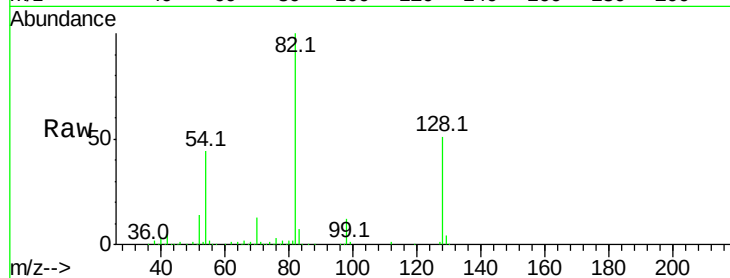
Ion Ratio Lower Upper

70 100

42 41.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.9 16.6 25.0#

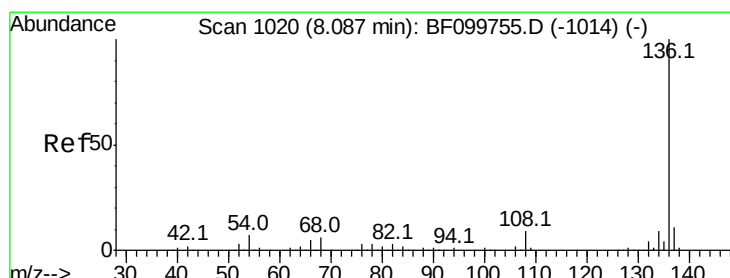
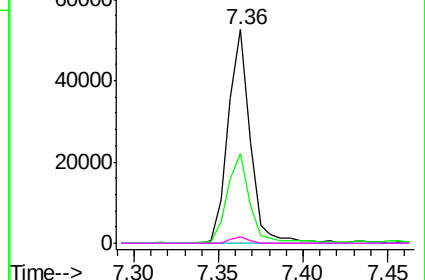
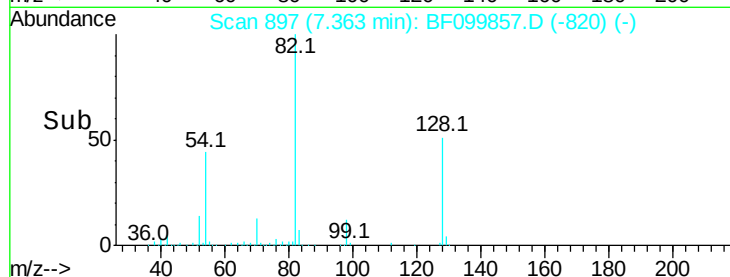


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF099857.D

Acq: 26 Oct 2017 13:16

Tgt Ion:136 Resp: 301602

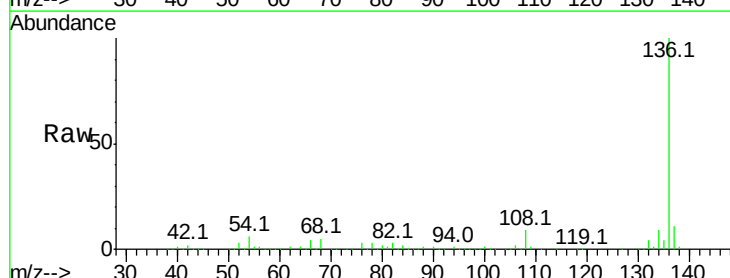
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.3 6.6 9.8#

68 5.5 5.0 7.4

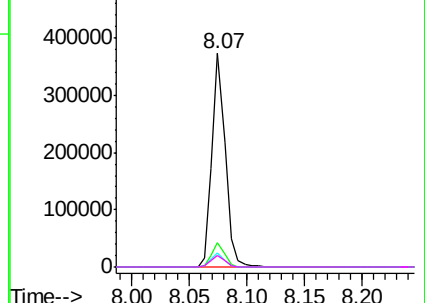
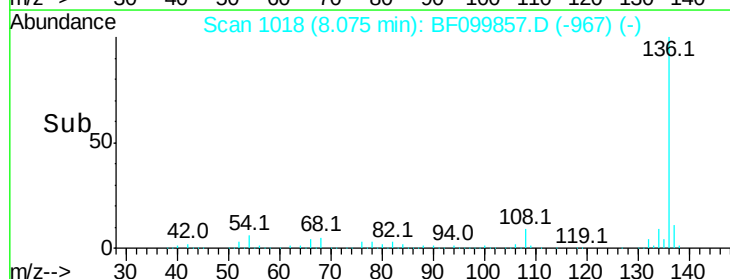


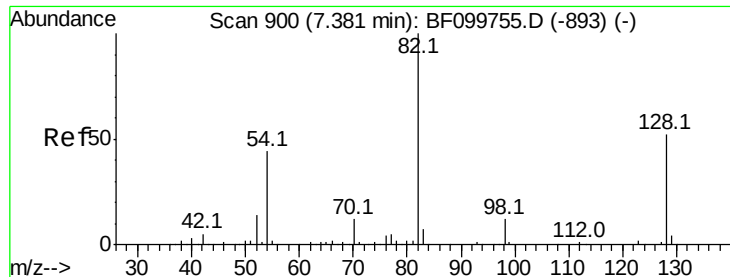
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

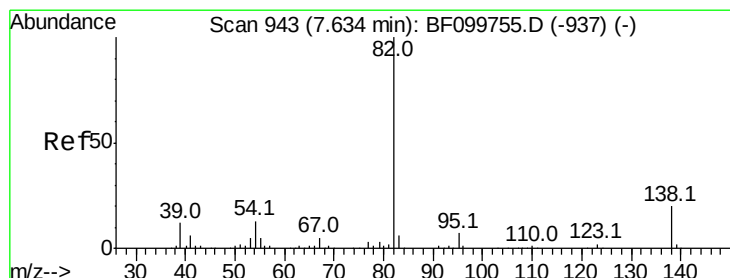
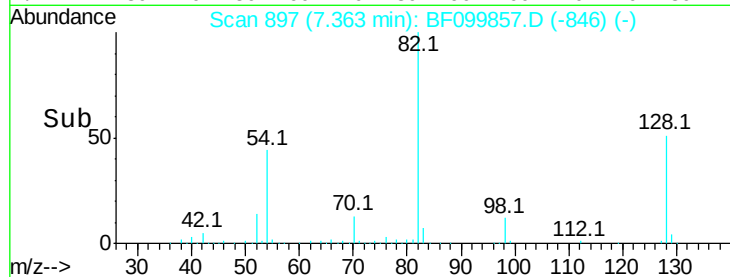
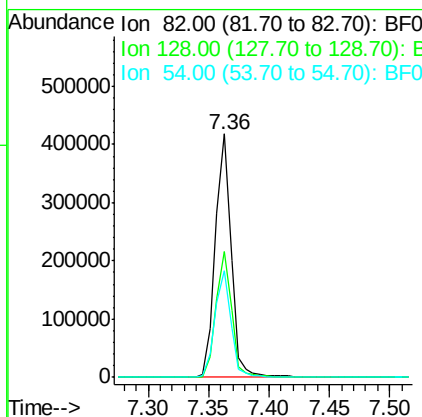
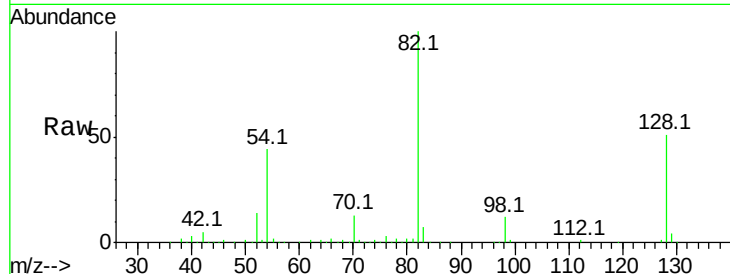




#23  
 Nitrobenzene-d5  
 Concen: 80.584 ng  
 RT: 7.36 min Scan# 897  
 Delta R.T. 0.00 min  
 Lab File: BF099857.D  
 Acq: 26 Oct 2017 13:16

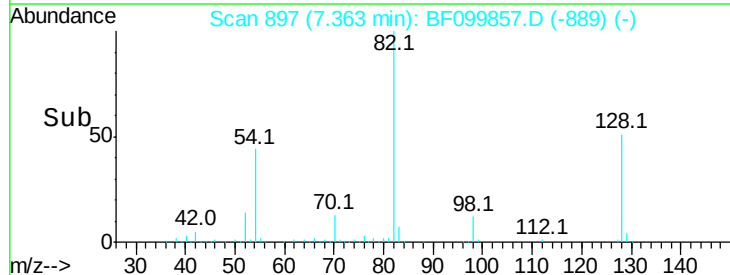
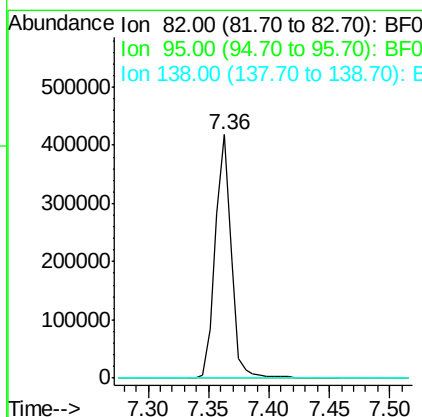
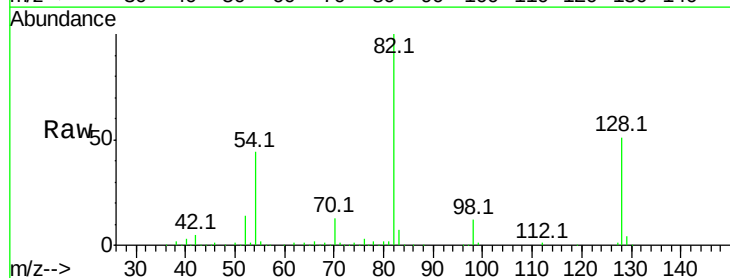
Instrument :  
 BNA\_F  
 ClientSampleId :

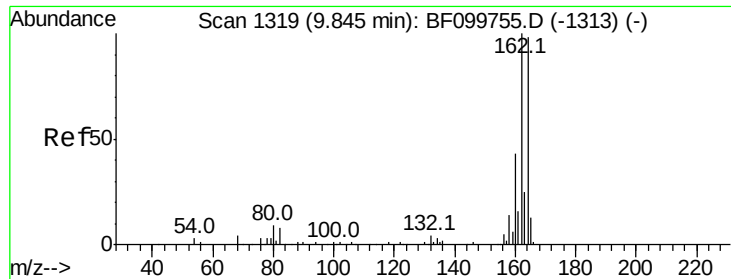
| Tot Ion   | 82   | Resp  | 377509 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 51.4 | 36.1  | 54.1   |
| 54        | 44.0 | 41.4  | 62.2   |



#25  
 Isophorone  
 Concen: 44.409 ng  
 RT: 7.36 min Scan# 897  
 Delta R.T. -0.25 min  
 Lab File: BF099857.D  
 Acq: 26 Oct 2017 13:16

| Tgt Ion   | 82  | Resp  | 377509 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 95        | 0.0 | 5.2   | 7.8#   |
| 138       | 0.0 | 14.9  | 22.3#  |

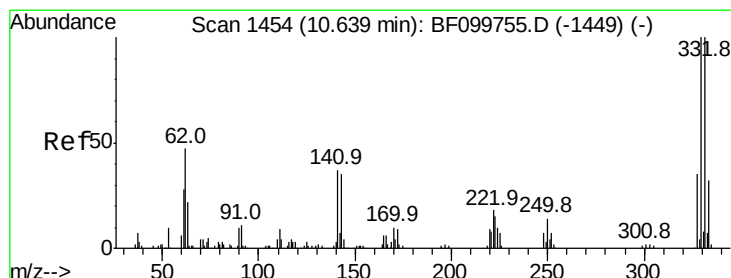
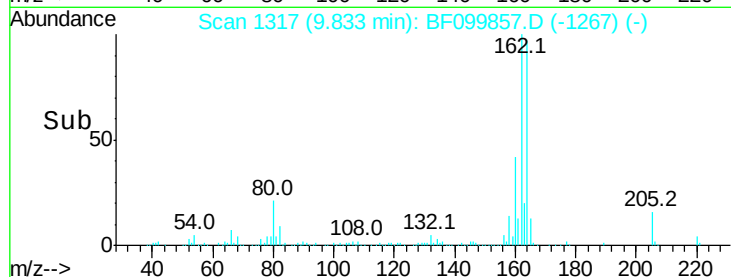
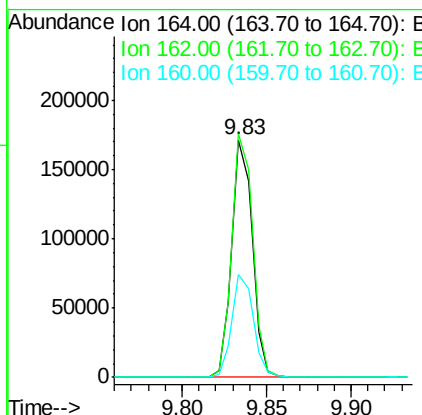
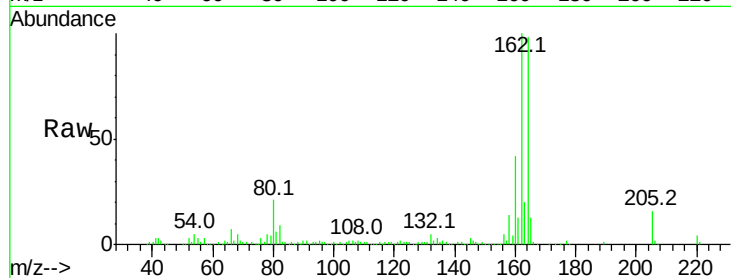




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: BF099857.D  
Acq: 26 Oct 2017 13:16

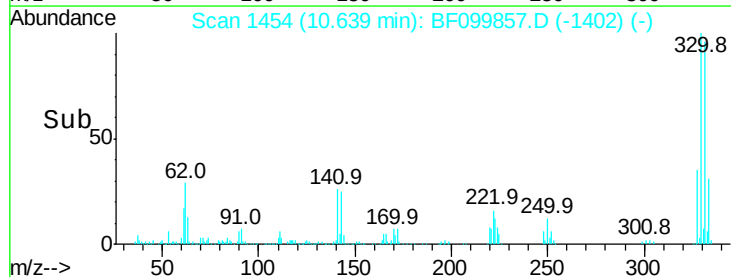
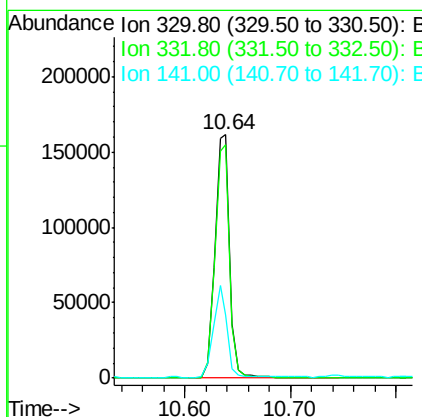
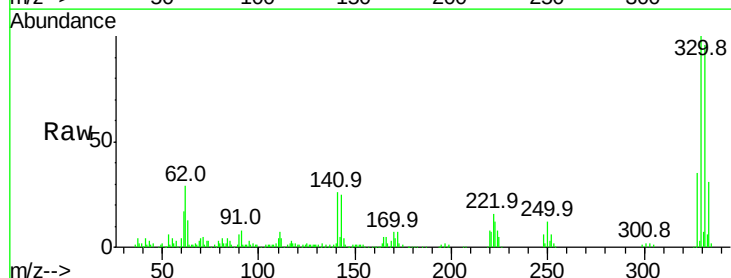
Instrument :  
BNA\_F  
ClientSampleId :

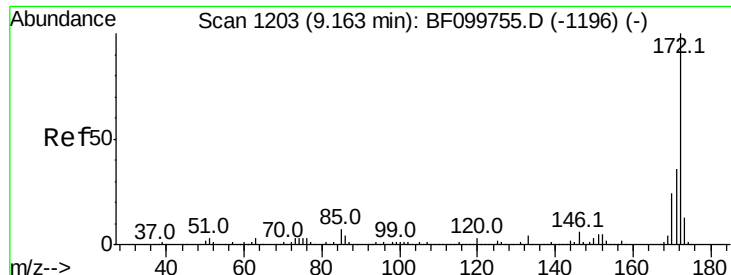
Tot Ion:164 Resp: 146302  
Ion Ratio Lower Upper  
164 100  
162 102.5 86.1 129.1  
160 43.1 38.3 57.5



#41  
2,4,6-Tribromophenol  
Concen: 120.716 ng  
RT: 10.64 min Scan# 1454  
Delta R.T. 0.01 min  
Lab File: BF099857.D  
Acq: 26 Oct 2017 13:16

Tgt Ion:330 Resp: 160948  
Ion Ratio Lower Upper  
330 100  
332 95.3 77.0 115.6  
141 34.5 29.9 44.9

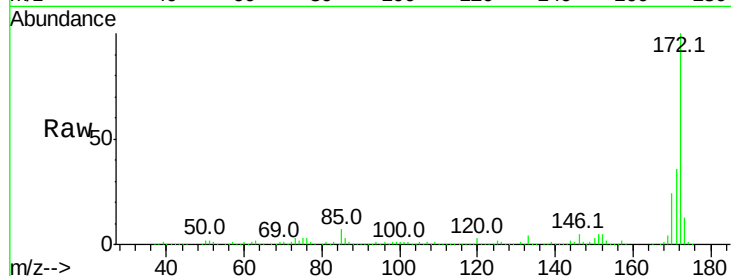




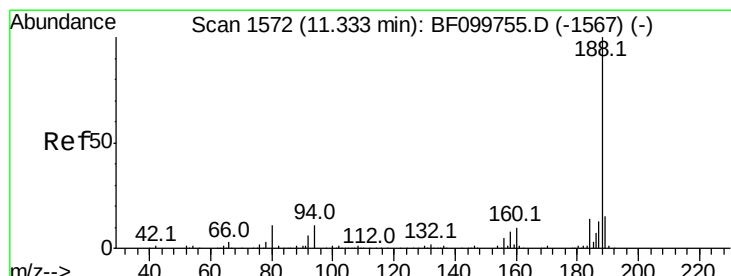
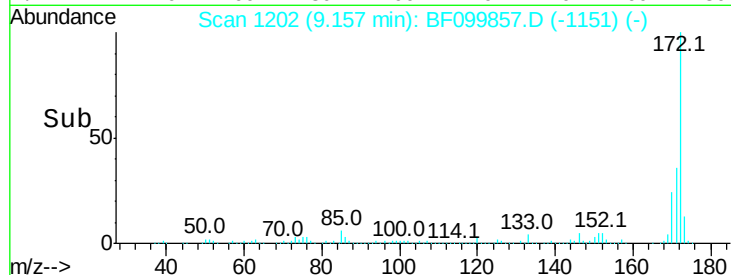
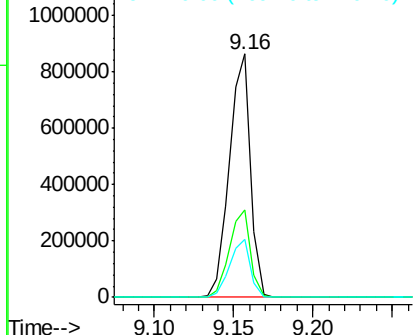
#44  
2-Fluorobiphenyl  
Concen: 84.040 ng  
RT: 9.16 min Scan# 1202  
Delta R.T. 0.00 min  
Lab File: BF099857.D  
Acq: 26 Oct 2017 13:16

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.7  | 44.5  |
| 170     | 23.6  | 19.6  | 29.4  |

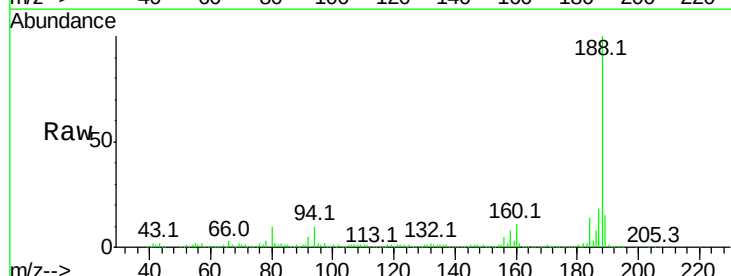


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

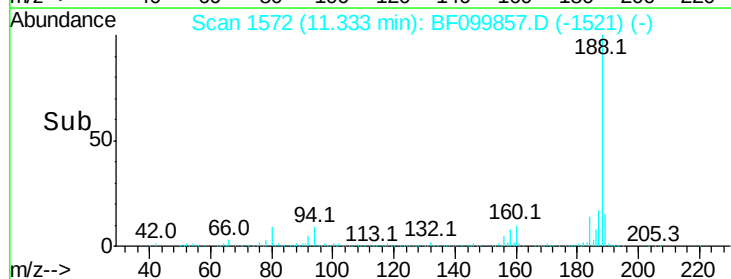
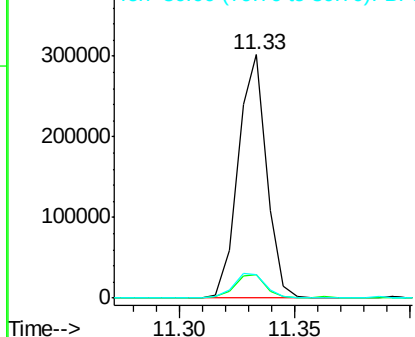


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: BF099857.D  
Acq: 26 Oct 2017 13:16

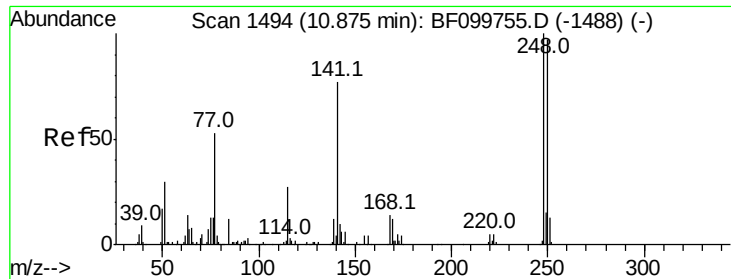
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.8   | 8.5   | 12.7  |
| 80      | 9.6   | 9.2   | 13.8  |



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



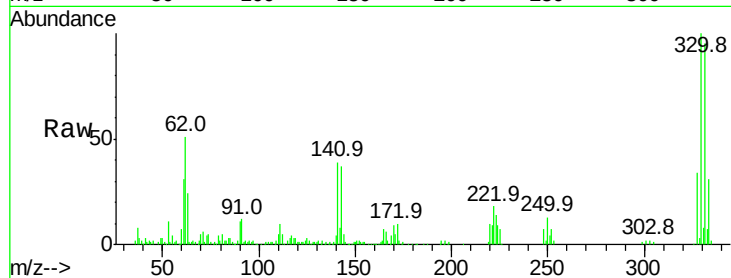




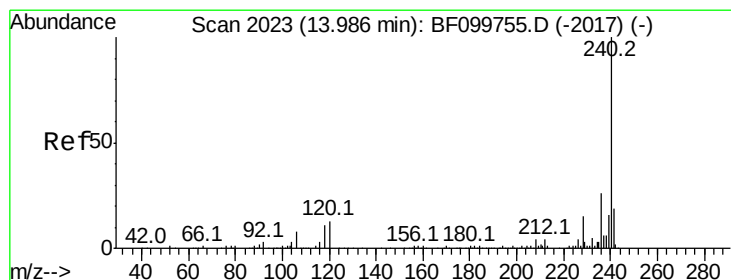
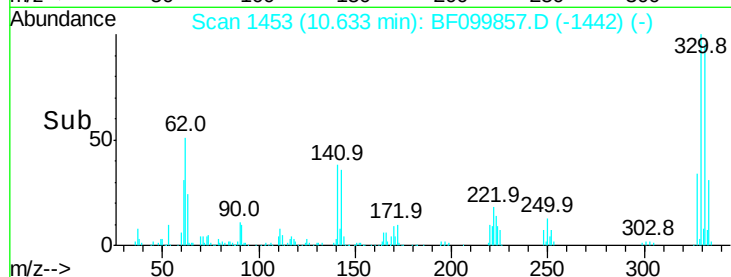
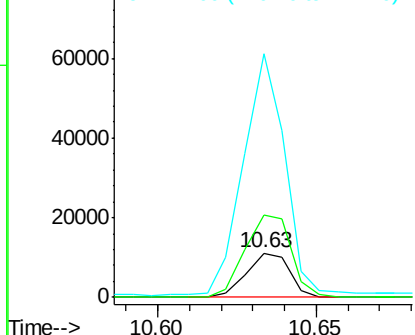
#66  
4-Bromophenyl-phenylether  
Concen: 3.860 ng  
RT: 10.63 min Scan# 1453  
Delta R.T. -0.24 min  
Lab File: BF099857.D  
Acq: 26 Oct 2017 13:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 10514  
Ion Ratio Lower Upper  
248 100  
250 184.6 76.9 115.3#  
141 549.6 74.4 111.6#

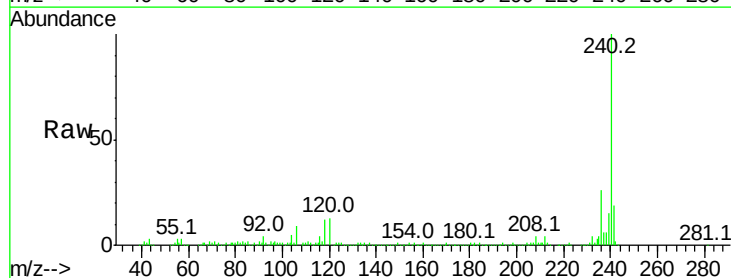


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

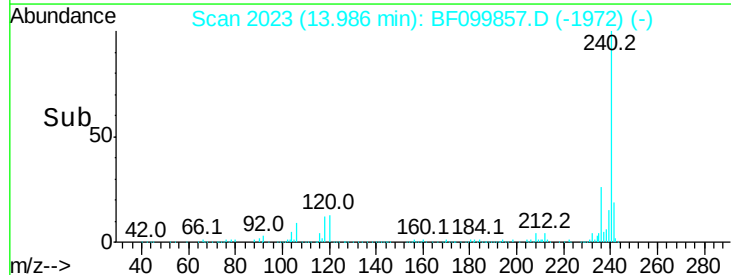
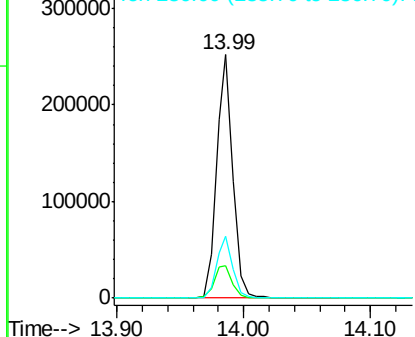


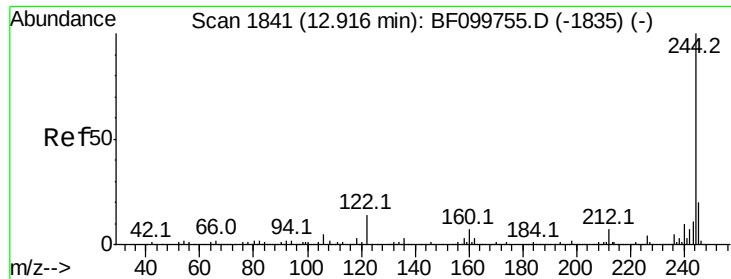
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2023  
Delta R.T. 0.00 min  
Lab File: BF099857.D  
Acq: 26 Oct 2017 13:16

Tgt Ion:240 Resp: 226353  
Ion Ratio Lower Upper  
240 100  
120 13.4 9.5 14.3  
236 25.6 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

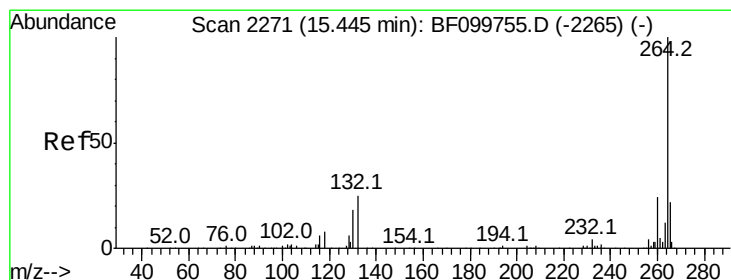
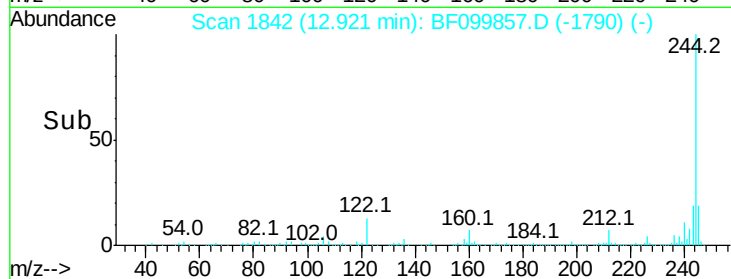
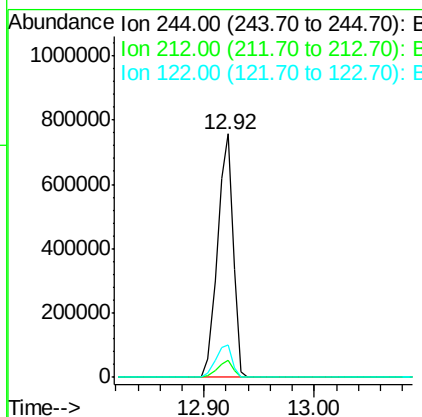
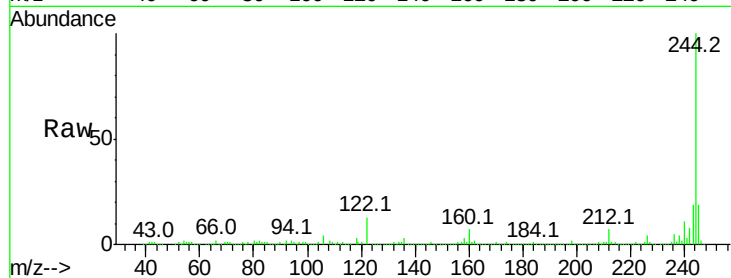




#78  
 Terphenyl-d14  
 Concen: 71.528 ng  
 RT: 12.92 min Scan# 1842  
 Delta R.T. 0.01 min  
 Lab File: BF099857.D  
 Acq: 26 Oct 2017 13:16

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:244 Resp: 740858  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.4 8.0  
 122 13.2 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.46 min Scan# 2273  
 Delta R.T. 0.00 min  
 Lab File: BF099857.D  
 Acq: 26 Oct 2017 13:16

Tgt Ion:264 Resp: 219363  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.2 28.8  
 265 21.0 17.5 26.3

