

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\  
 Data File : BF102117.D  
 Acq On : 16 Jan 2018 18:48  
 Operator : SJ/JU  
 Sample : J1127-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OCTOP2-01112018

Quant Time: Jan 17 02:52:56 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 11 12:53:54 2018  
 Response via : Initial Calibration

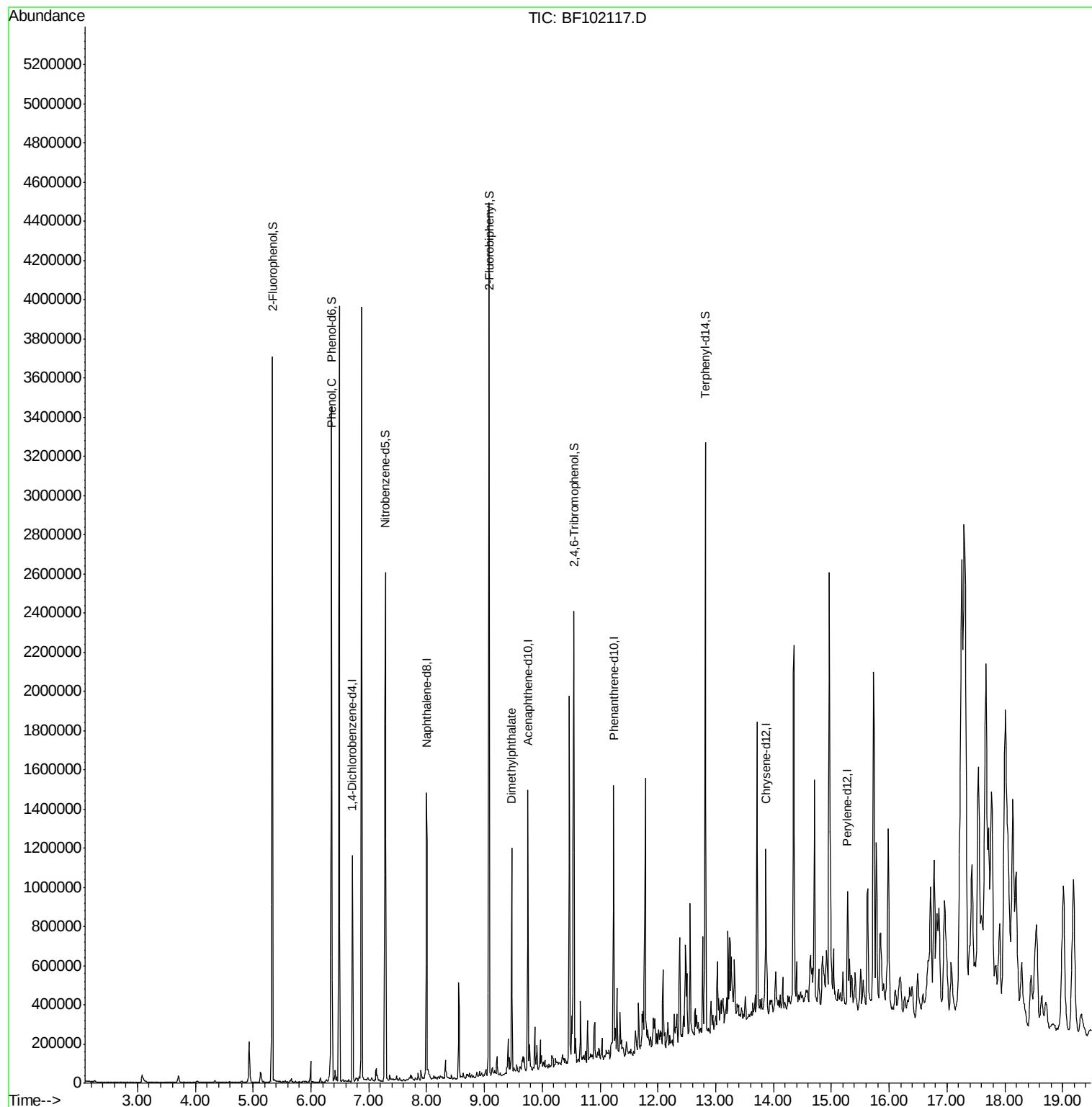
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 165961   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.00  | 136  | 643718   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.75  | 164  | 271755   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.23 | 188  | 428734   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.87 | 240  | 273050   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.28 | 264  | 274703   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 1149061  | 97.77  | ng    | 0.00     |
| 7) Phenol-d6                | 6.36  | 99   | 1365944  | 97.41  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 866879   | 79.14  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 282278   | 119.03 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 1402042  | 80.60  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.82 | 244  | 939727   | 71.46  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.37  | 94   | 62100    | 3.919  | ng    | 94       |
| 49) Dimethylphthalate       | 9.47  | 163  | 422449   | 19.378 | ng    | 100      |

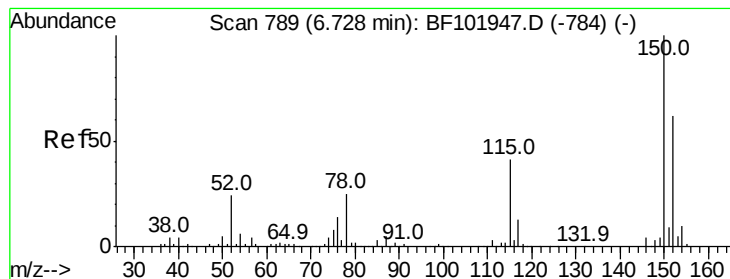
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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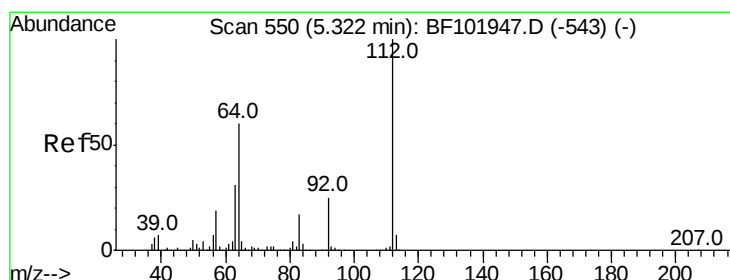
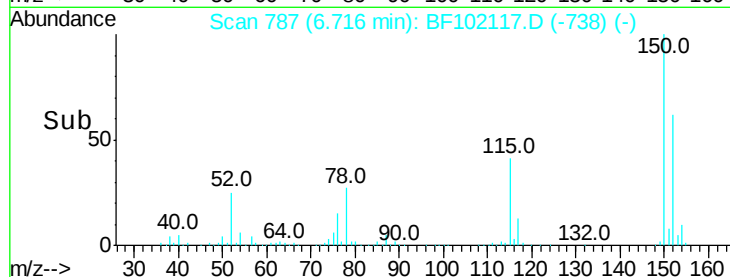
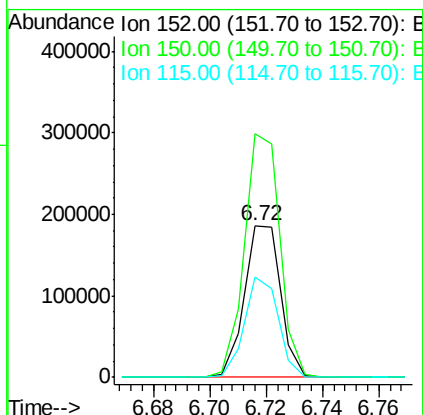
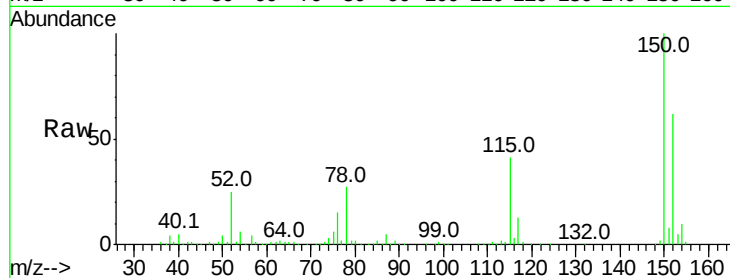


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 787  
 Delta R.T. -0.01 min  
 Lab File: BF102117.D  
 Acq: 16 Jan 2018 18:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OCTOP2-01112018

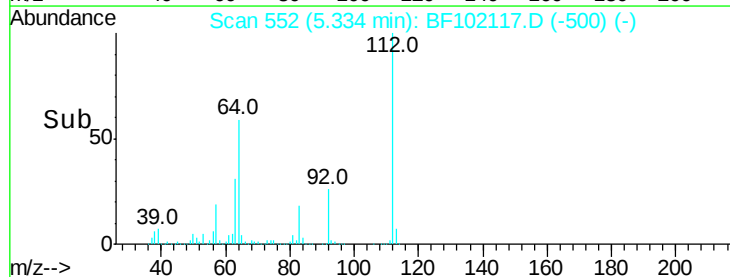
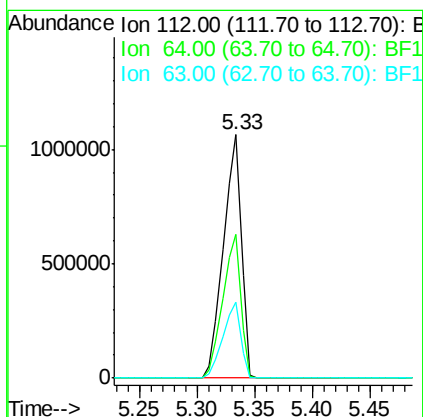
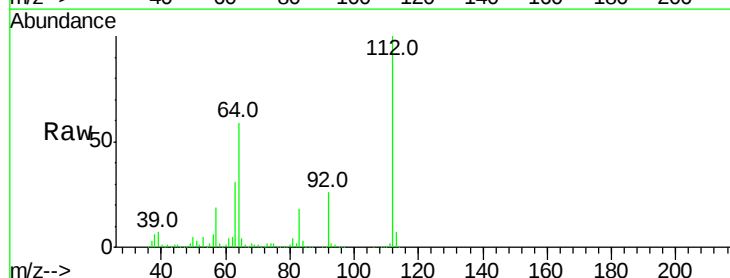
Tot Ion:152 Resp: 165961  
 Ion Ratio Lower Upper  
 152 100  
 150 160.6 124.6 186.8  
 115 65.7 50.1 75.1



#5

2-Fluorophenol  
 Concen: 97.768 ng  
 RT: 5.33 min Scan# 552  
 Delta R.T. 0.01 min  
 Lab File: BF102117.D  
 Acq: 16 Jan 2018 18:48

Tgt Ion:112 Resp: 1149061  
 Ion Ratio Lower Upper  
 112 100  
 64 59.1 47.9 71.9  
 63 31.2 23.7 35.5





#7

Phenol-d6

Concen: 97.411 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Instrument :

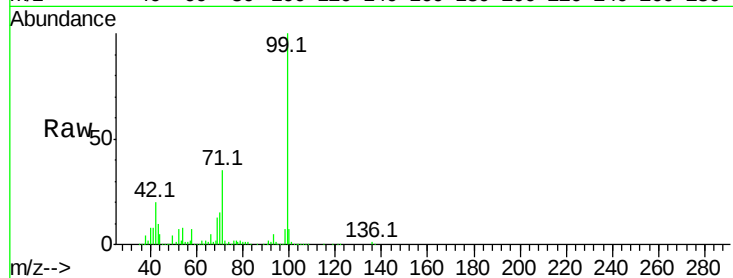
BNA\_F

ClientSampleId :

OCTOP2-01112018

Tot Ion: 99 Resp: 1365944

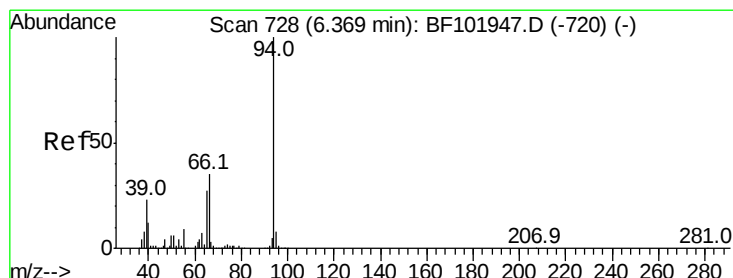
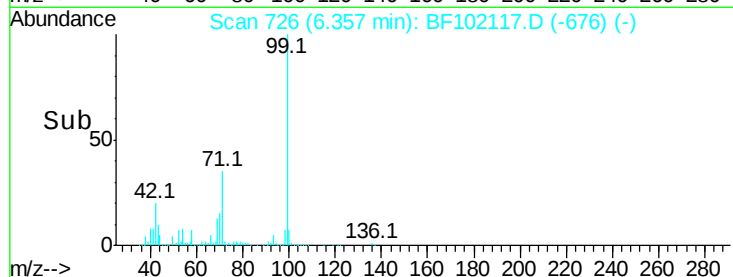
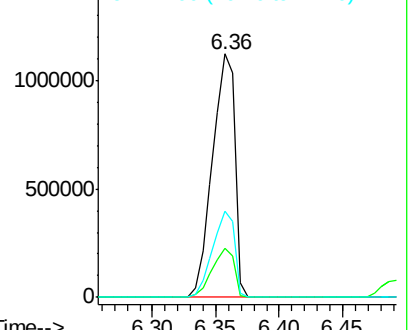
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.2  | 14.5  | 21.7  |
| 71  | 35.3  | 25.4  | 38.0  |



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: 3.919 ng

RT: 6.37 min Scan# 728

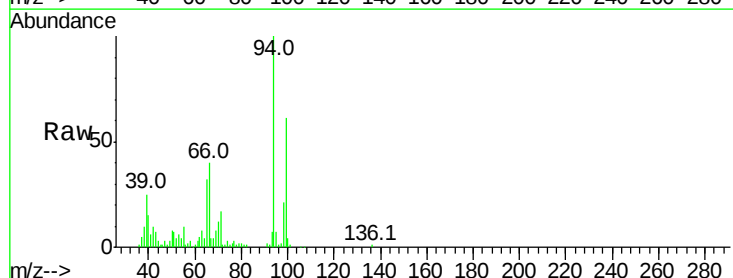
Delta R.T. -0.01 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Tgt Ion: 94 Resp: 62100

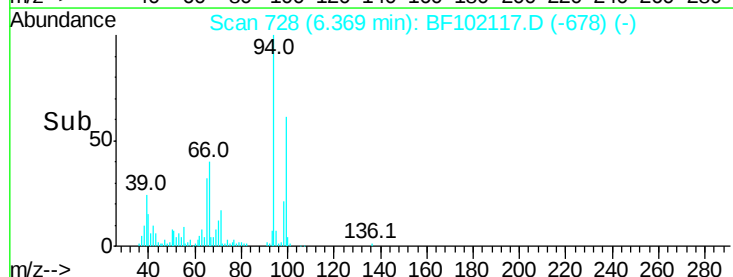
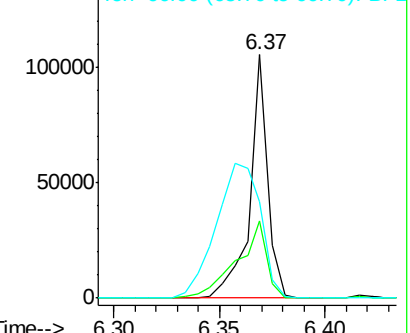
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 31.6  | 7.9   | 47.9  |
| 66  | 39.7  | 16.2  | 56.2  |



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

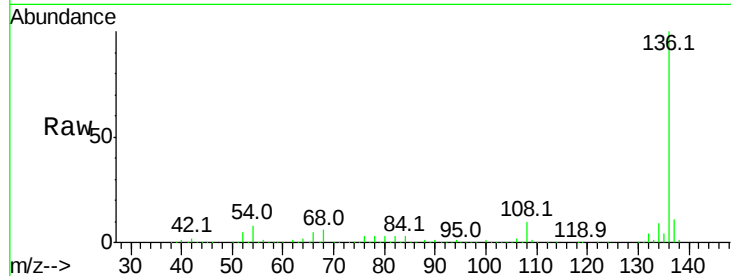




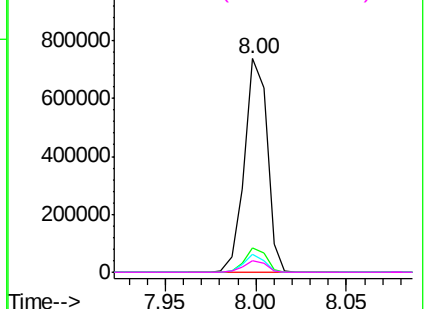
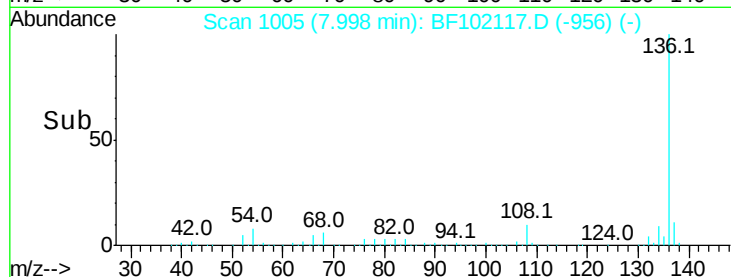
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: BF102117.D  
Acq: 16 Jan 2018 18:48

Instrument :  
BNA\_F  
ClientSampleId :  
OCTOP2-01112018

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 643718 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 8.9   | 13.3   |
| 54       | 8.1   | 6.6   | 9.8    |
| 68       | 5.6   | 5.0   | 7.4    |

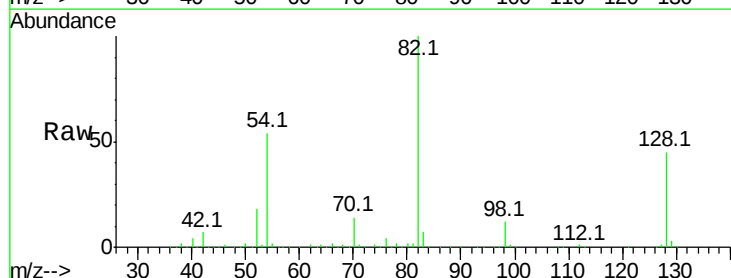


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

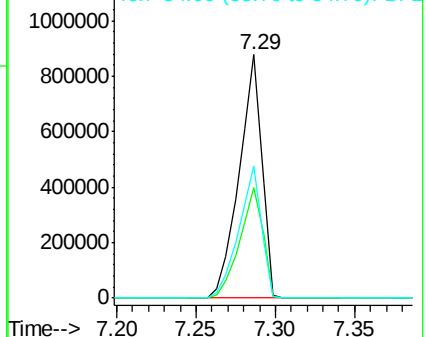
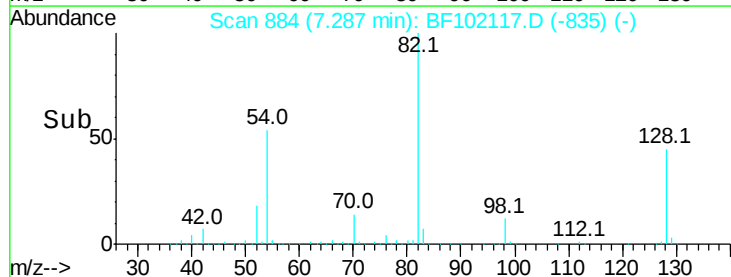


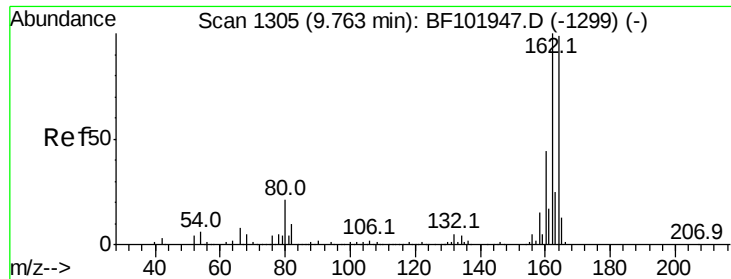
#23  
Nitrobenzene-d5  
Concen: 79.136 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF102117.D  
Acq: 16 Jan 2018 18:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 866879 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.2  | 36.1  | 54.1   |
| 54       | 54.4  | 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

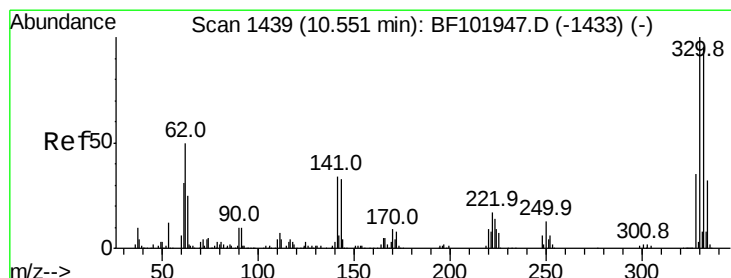
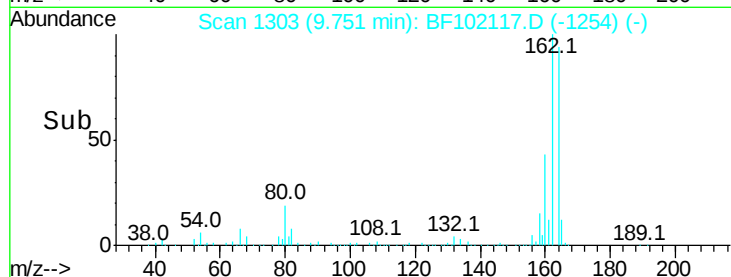
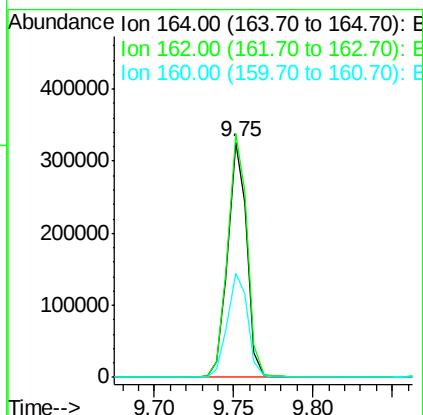
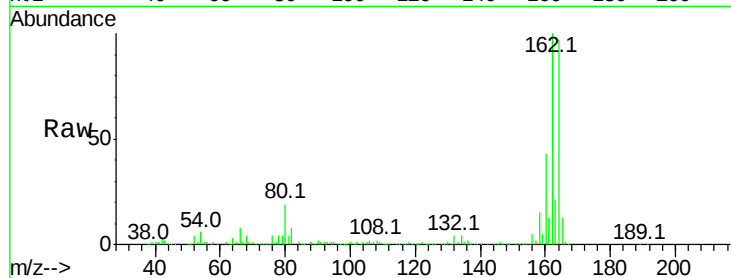




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.75 min Scan# 1303  
 Delta R.T. -0.01 min  
 Lab File: BF102117.D  
 Acq: 16 Jan 2018 18:48

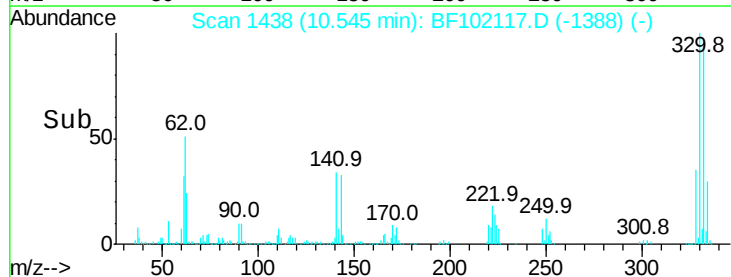
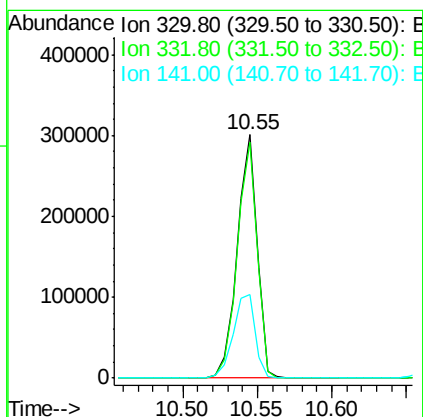
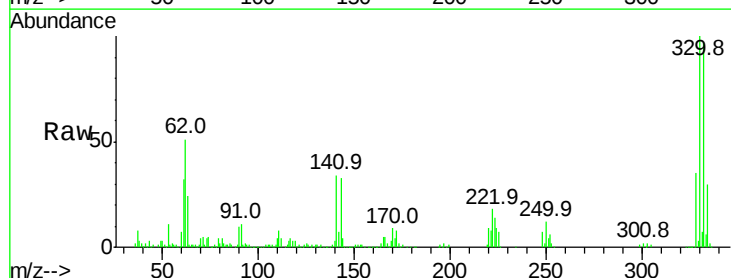
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OCTOP2-01112018

Tot Ion:164 Resp: 271755  
 Ion Ratio Lower Upper  
 164 100  
 162 103.5 86.1 129.1  
 160 44.4 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 119.026 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF102117.D  
 Acq: 16 Jan 2018 18:48

Tgt Ion:330 Resp: 282278  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.0 115.6  
 141 38.8 29.9 44.9

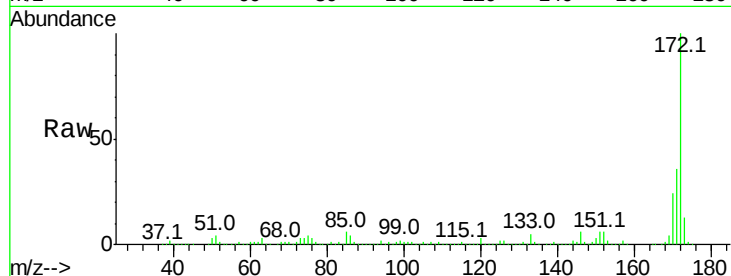




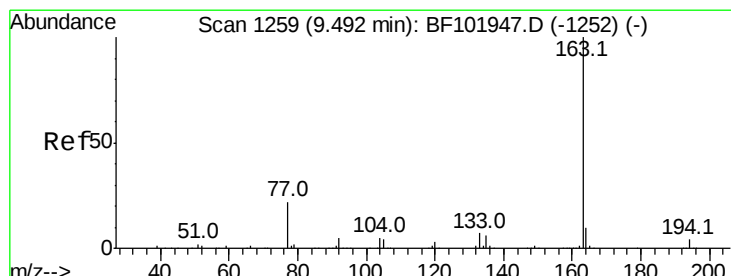
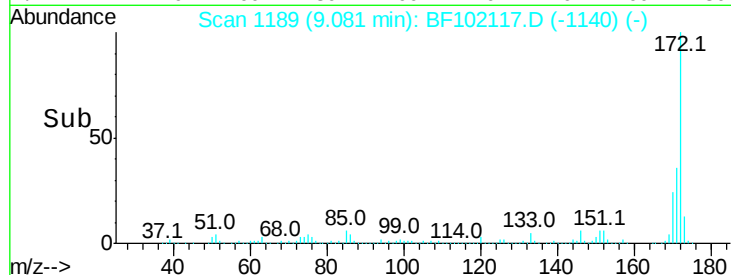
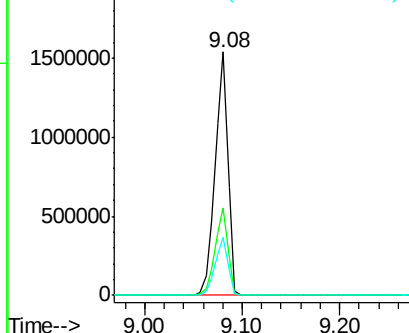
#44  
 2-Fluorobiphenyl  
 Concen: 80.601 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF102117.D  
 Acq: 16 Jan 2018 18:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OCTOP2-01112018

Tot Ion:172 Resp: 1402042  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.7 44.5  
 170 23.8 19.6 29.4

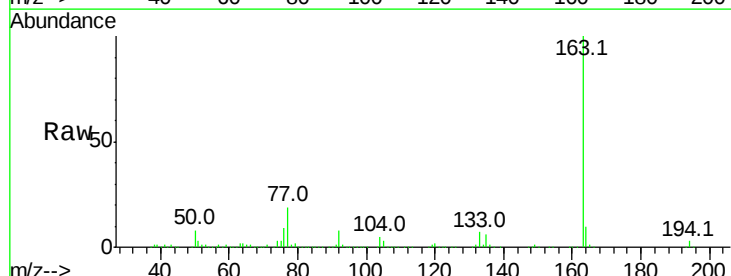


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

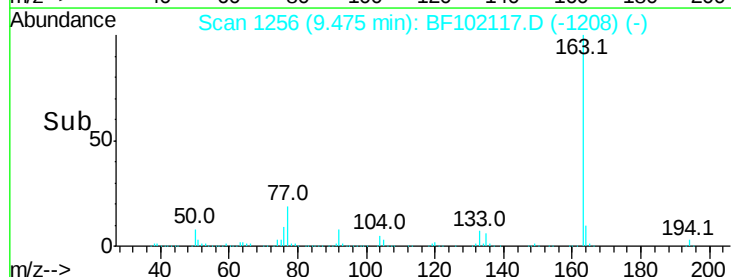
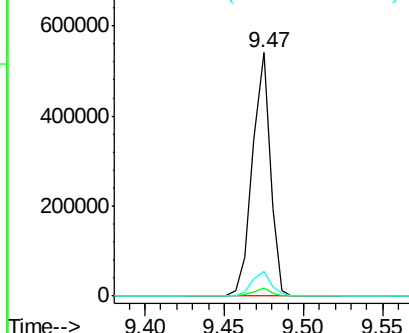


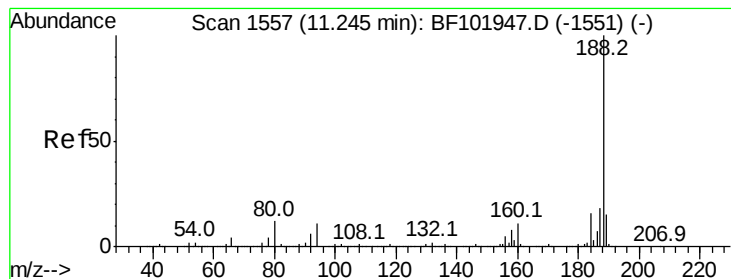
#49  
 Dimethylphthalate  
 Concen: 19.378 ng  
 RT: 9.47 min Scan# 1256  
 Delta R.T. -0.02 min  
 Lab File: BF102117.D  
 Acq: 16 Jan 2018 18:48

Tgt Ion:163 Resp: 422449  
 Ion Ratio Lower Upper  
 163 100  
 194 3.3 2.7 4.1  
 164 10.2 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Instrument :

BNA\_F

ClientSampleId :

OCTOP2-01112018

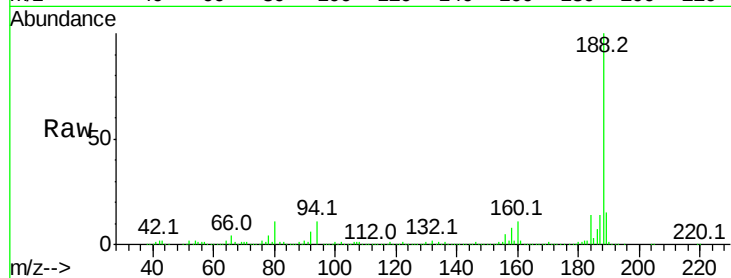
Tot Ion:188 Resp: 428734

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

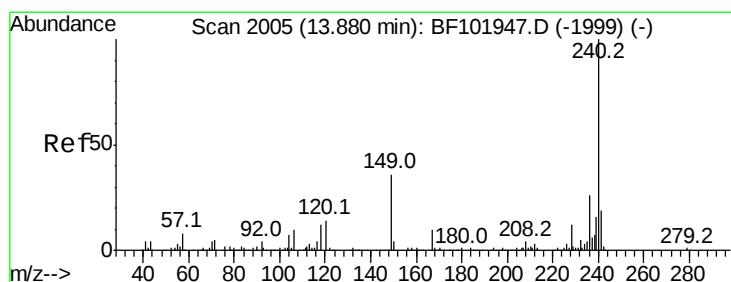
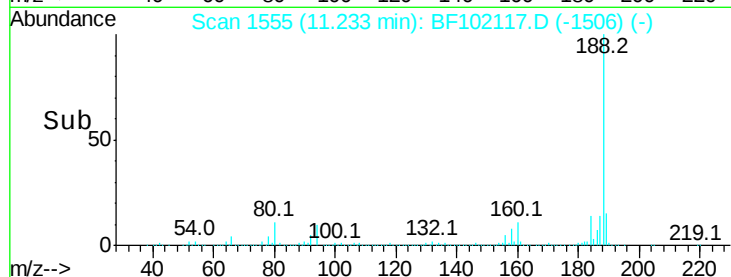
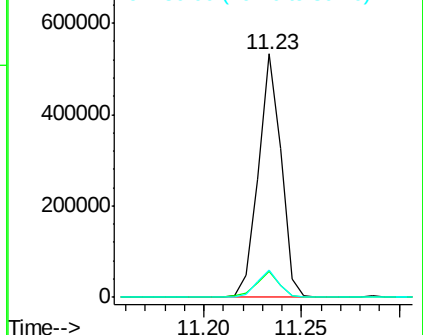
80 11.3 9.2 13.8



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

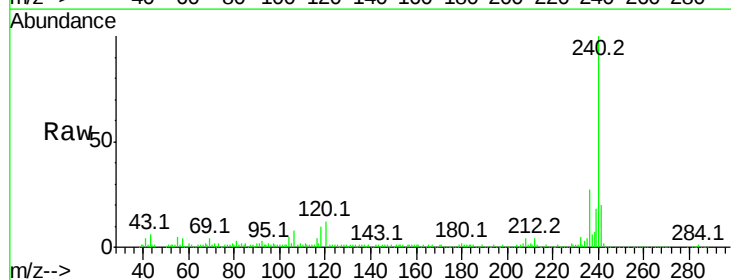
Tgt Ion:240 Resp: 273050

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

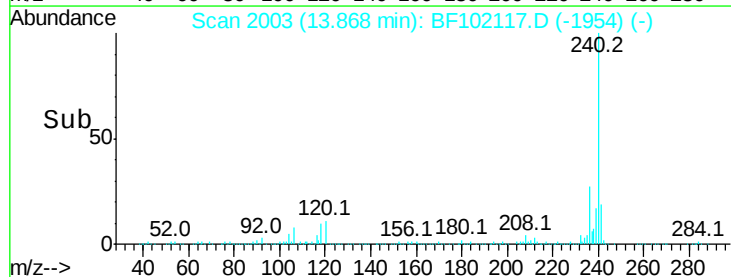
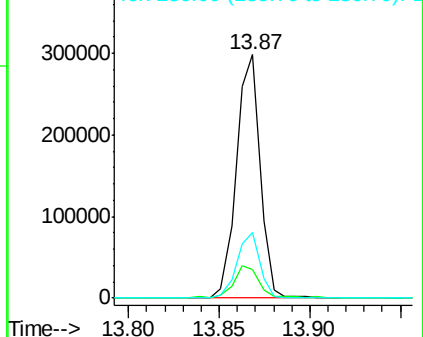
236 26.8 20.7 31.1

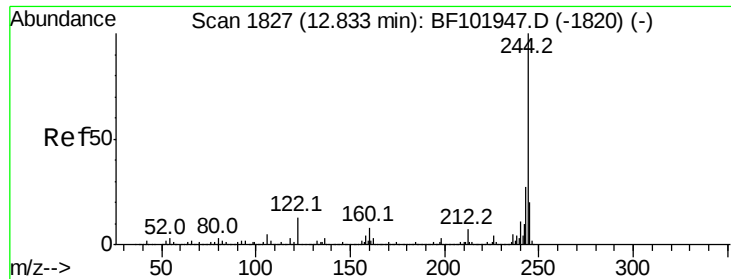


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 71.456 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Instrument :

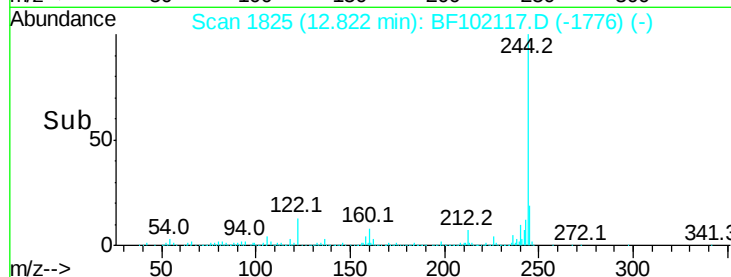
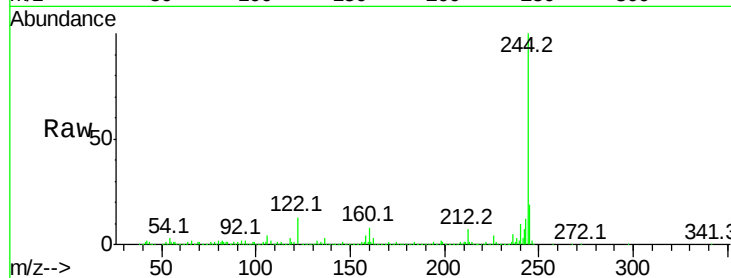
BNA\_F

ClientSampleId :

OCTOP2-01112018

Tot Ion:244 Resp: 939727

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.9   | 5.4   | 8.0   |
| 122 | 12.9  | 11.0  | 16.4  |

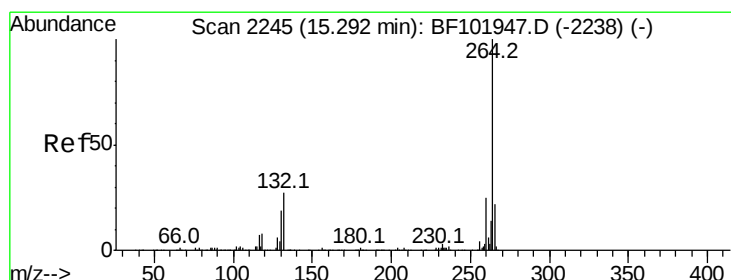
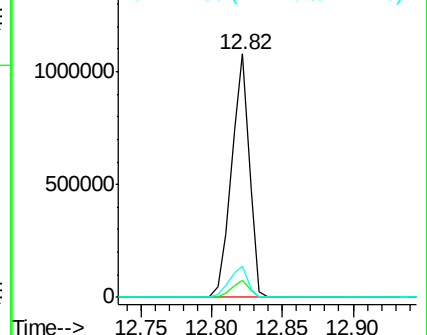


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

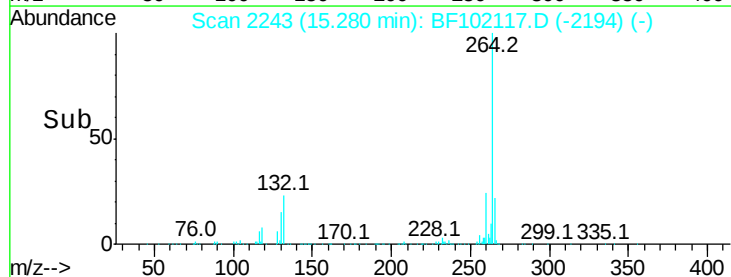
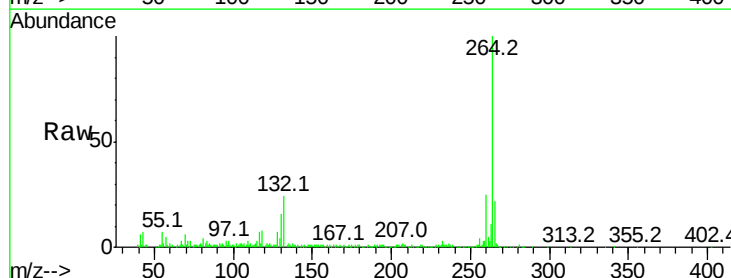
Delta R.T. -0.01 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Tgt Ion:264 Resp: 274703

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.6  | 19.2  | 28.8  |
| 265 | 22.0  | 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

