

Data Path : Z:\HPCHEM1\BNA M\DATA\BM090217\  
 Data File : BM011420.D  
 Acq On : 02 Sep 2017 17:54  
 Operator : SJ/JU  
 Sample : I5049-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TR-04-083017

Quant Time: Sep 04 03:02:28 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM083117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 31 18:39:59 2017  
 Response via : Initial Calibration

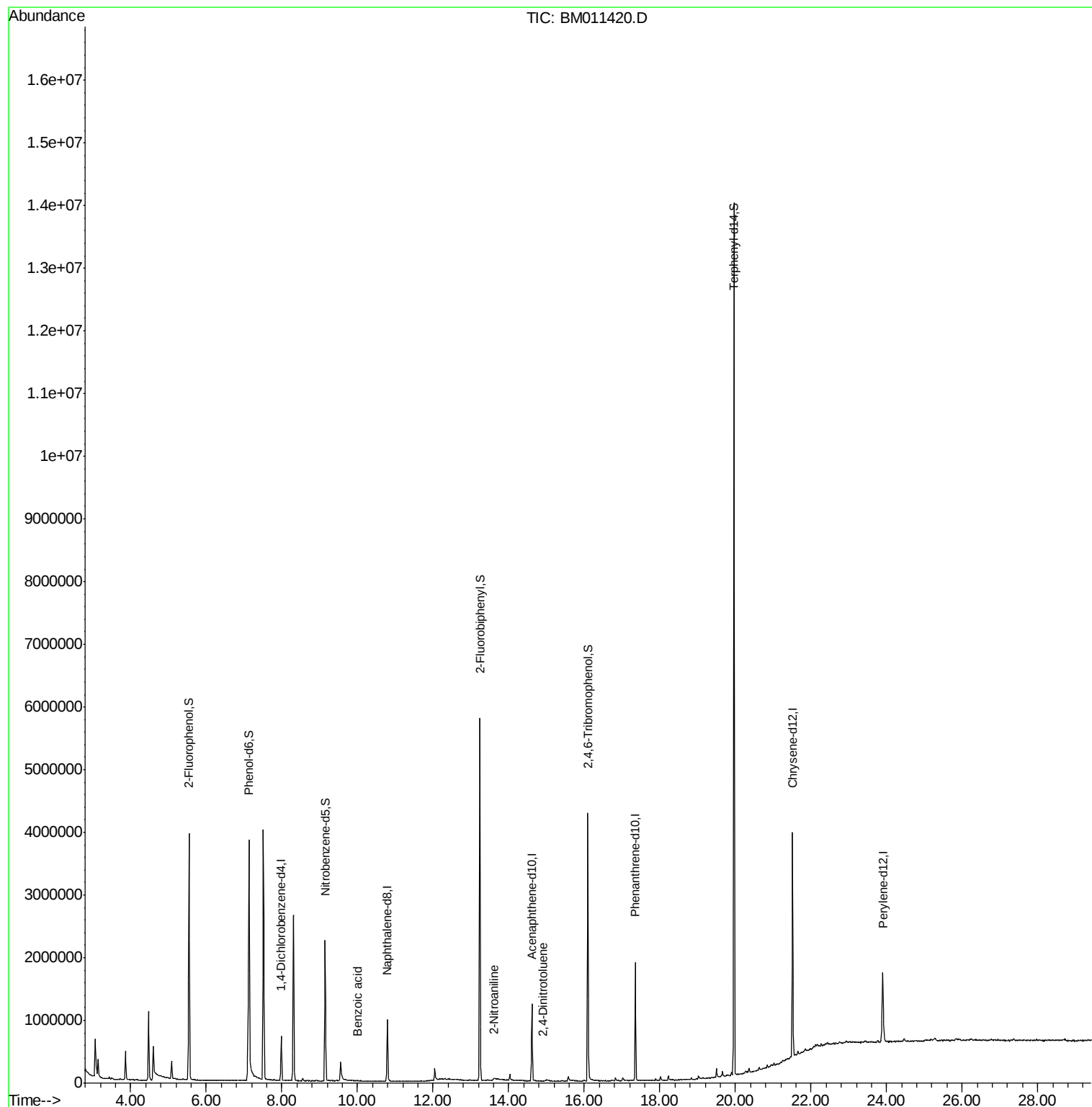
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.99  | 152  | 196549   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.79 | 136  | 801685   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.62 | 164  | 376943   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.35 | 188  | 1073478  | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.51 | 240  | 1532650  | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 23.89 | 264  | 498962   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.54  | 112  | 1590939  | 136.25 | ng    | 0.00     |
| 7) Phenol-d6                | 7.13  | 99   | 1843016  | 113.83 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.15  | 82   | 1139178  | 93.64  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.10 | 330  | 664153   | 152.29 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.24 | 172  | 2795045  | 106.89 | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.96 | 244  | 5259206  | 85.14  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 9.99  | 122  | 1046     | 6.645  | ng    | # 24     |
| 47) 2-Nitroaniline          | 13.62 | 65   | 107      | 5.449  | ng    | # 1      |
| 56) 2,4-Dinitrotoluene      | 14.91 | 165  | 131      | 5.154  | ng    | # 11     |

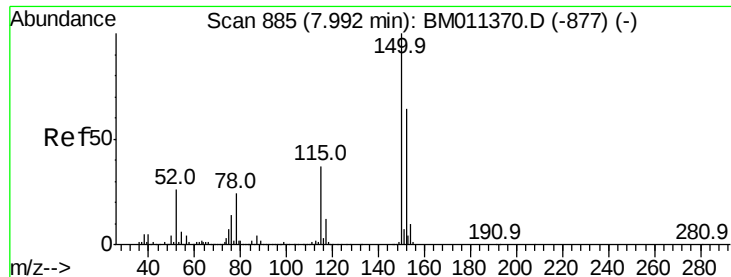
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM090217\  
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

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Response via : Initial Calibration



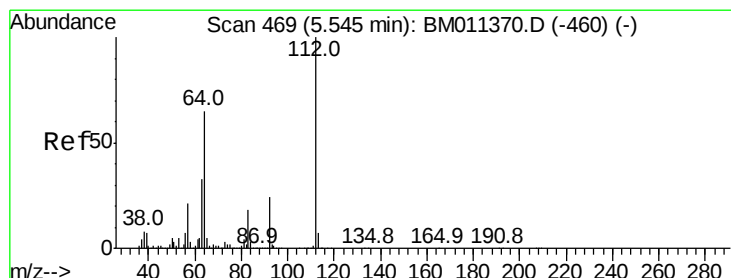
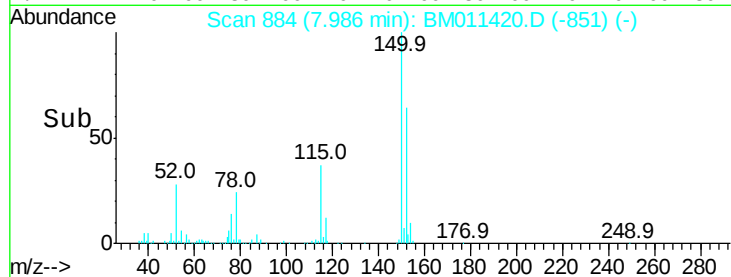
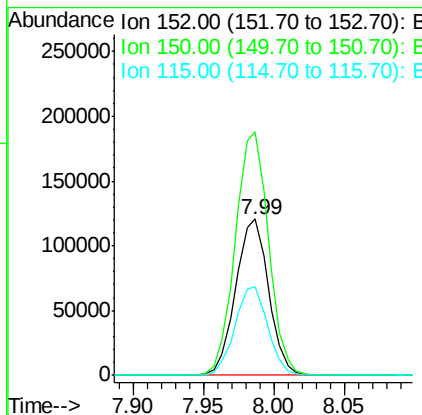
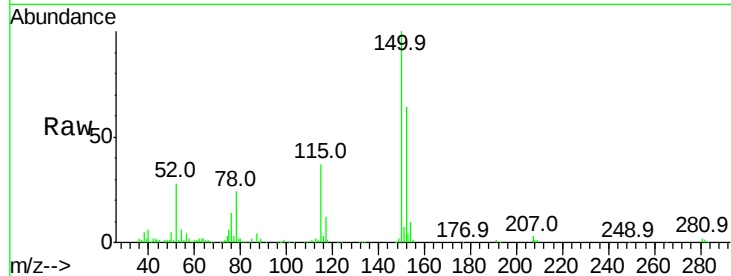


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.99 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BM011420.D  
Acq: 02 Sep 2017 17:54

Instrument :  
BNA\_M  
ClientSampleId :  
TR-04-083017

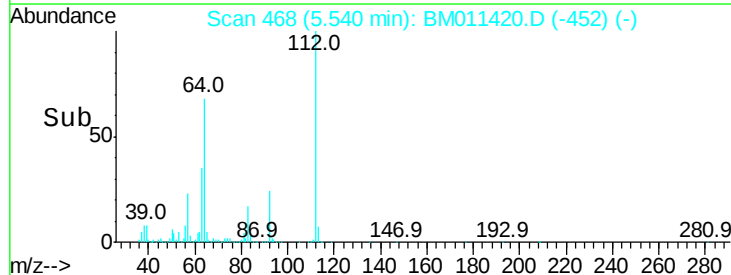
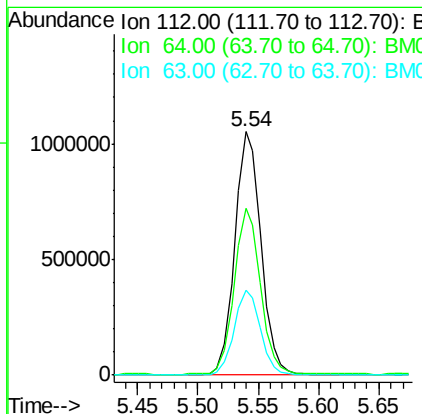
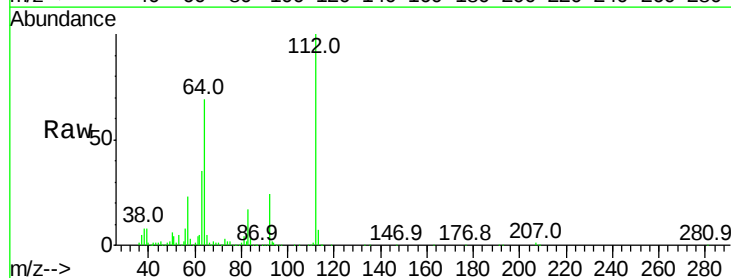
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.7 | 119.5 | 179.3 |
| 115     | 56.9  | 43.0  | 64.4  |

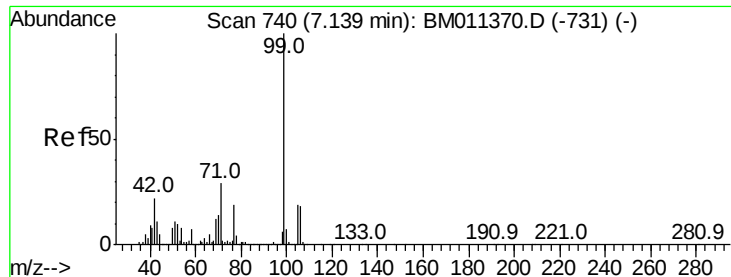


#5

2-Fluorophenol  
Concen: 136.250 ng  
RT: 5.54 min Scan# 468  
Delta R.T. -0.01 min  
Lab File: BM011420.D  
Acq: 02 Sep 2017 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.6  | 38.6  | 57.8# |
| 63      | 35.0  | 19.3  | 28.9# |





#7

Phenol-d6

Concen: 113.830 ng

RT: 7.13 min Scan# 739

Delta R.T. -0.01 min

Lab File: BM011420.D

Acq: 02 Sep 2017 17:54

Instrument :

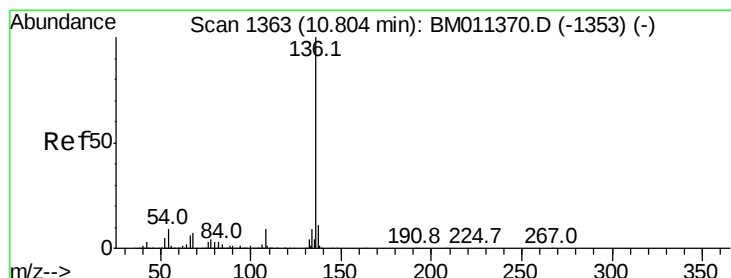
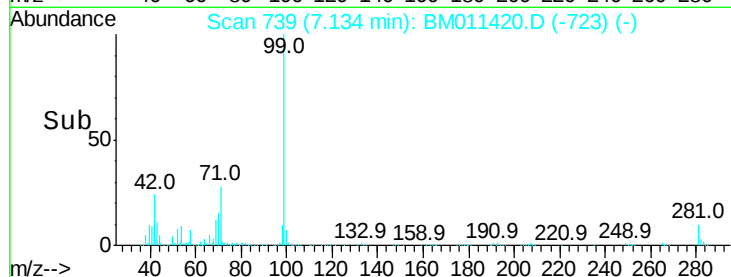
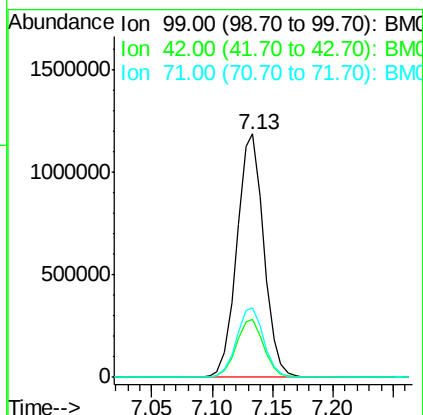
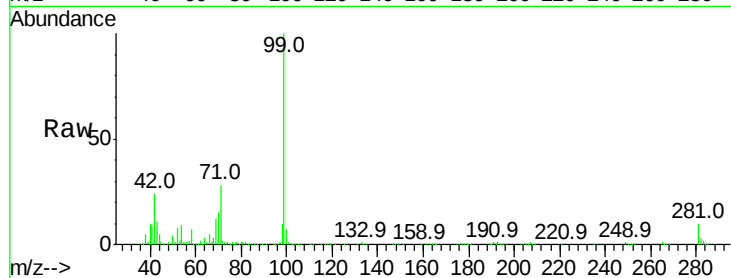
BNA\_M

ClientSampleId :

TR-04-083017

Tot Ion: 99 Resp: 1843016

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.7  | 11.0  | 16.4# |
| 71  | 28.4  | 23.4  | 35.2  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.79 min Scan# 1361

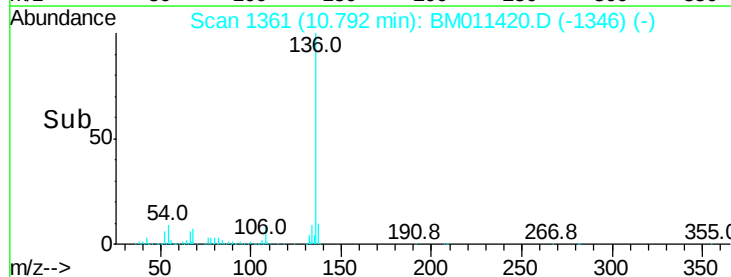
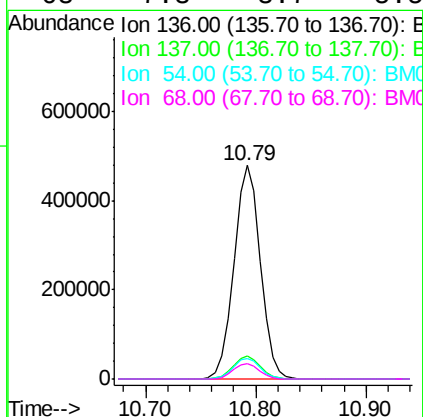
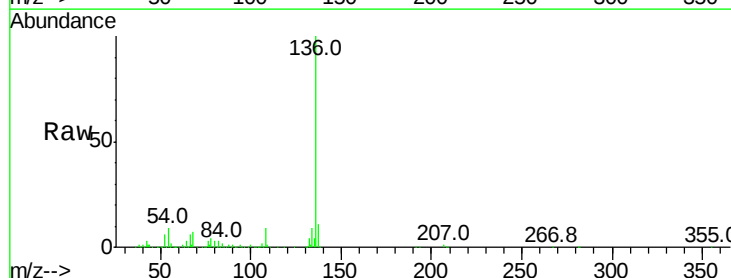
Delta R.T. -0.01 min

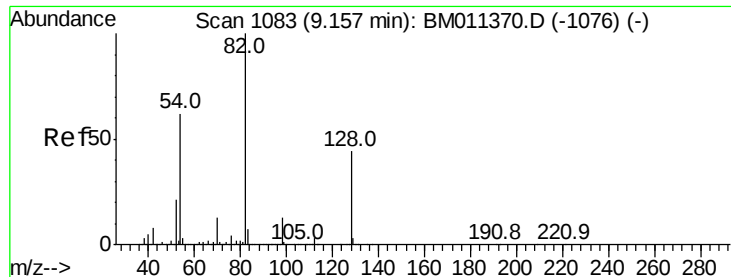
Lab File: BM011420.D

Acq: 02 Sep 2017 17:54

Tgt Ion: 136 Resp: 801685

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.7   | 13.1  |
| 54  | 9.4   | 4.6   | 6.8#  |
| 68  | 7.3   | 3.7   | 5.5#  |



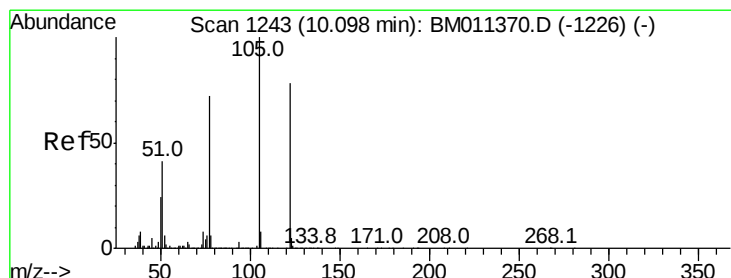
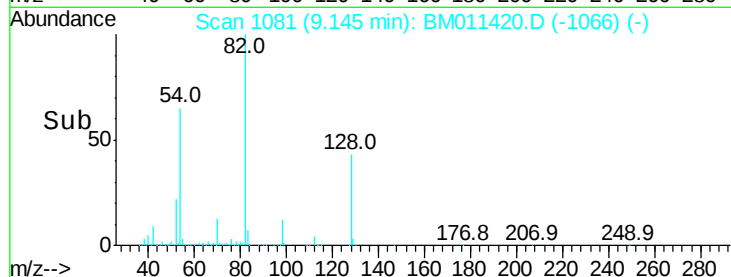
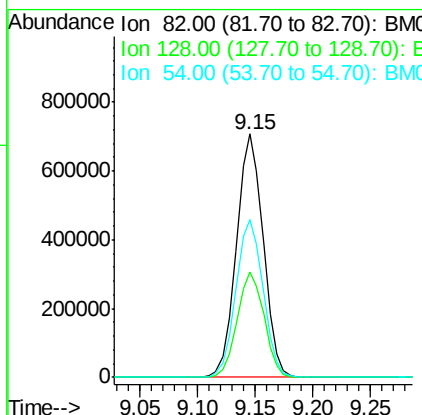
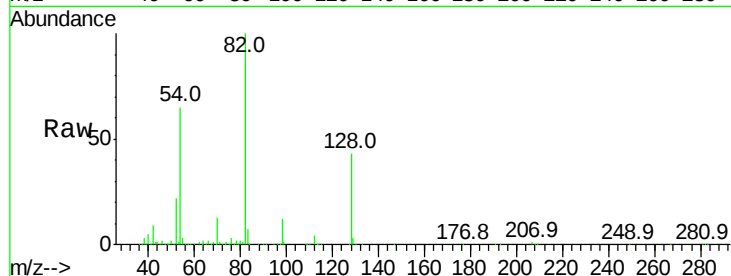


#23  
 Nitrobenzene-d5  
 Concen: 93.640 ng  
 RT: 9.15 min Scan# 1081  
 Delta R.T. -0.01 min  
 Lab File: BM011420.D  
 Acq: 02 Sep 2017 17:54

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TR-04-083017

Tot Ion: 82 Resp: 1139178  

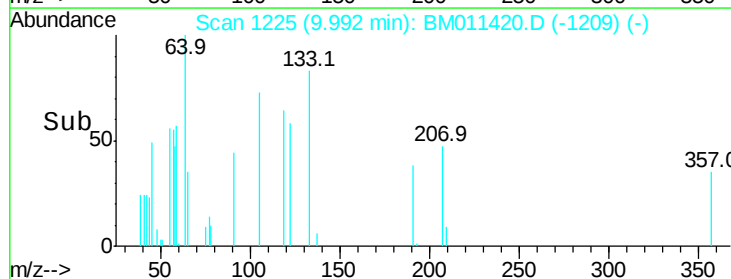
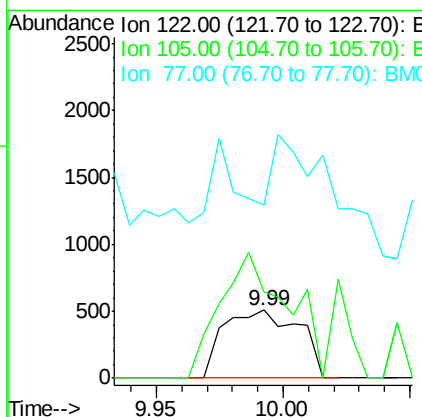
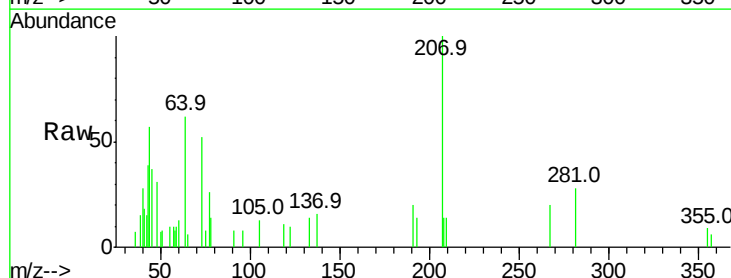
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.3  | 32.8  | 49.2  |
| 54  | 64.9  | 40.6  | 60.8# |

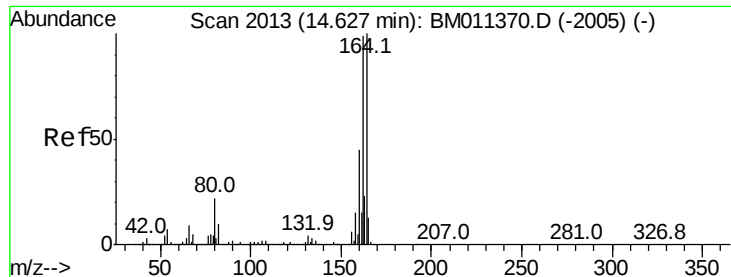


#32  
 Benzoic acid  
 Concen: 6.645 ng  
 RT: 9.99 min Scan# 1225  
 Delta R.T. -0.11 min  
 Lab File: BM011420.D  
 Acq: 02 Sep 2017 17:54

Tgt Ion: 122 Resp: 1046  

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 122 | 100   |       |        |
| 105 | 126.2 | 99.9  | 139.9  |
| 77  | 254.6 | 73.7  | 113.7# |

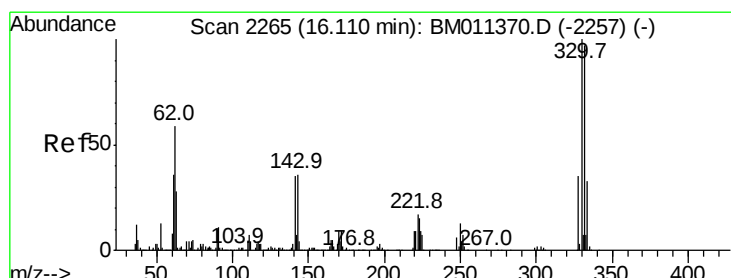
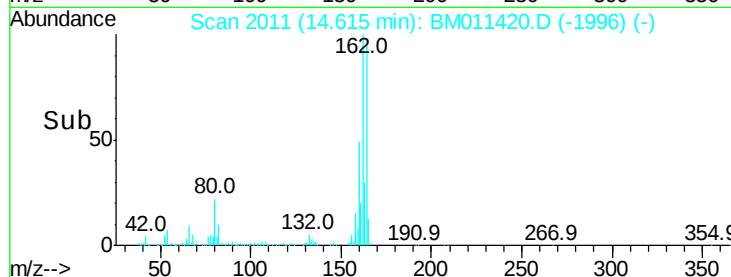
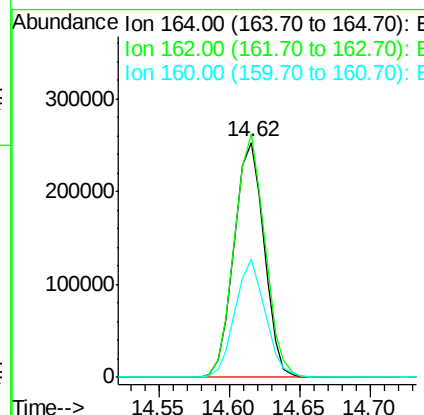
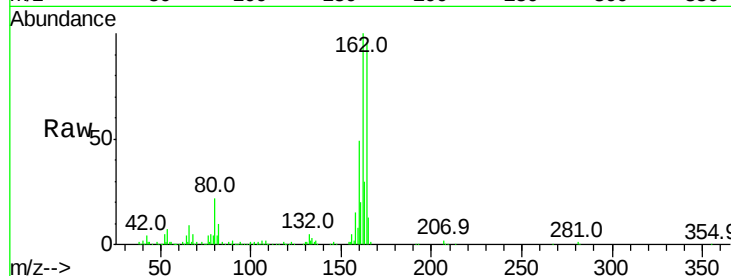




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.62 min Scan# 2011  
 Delta R.T. -0.01 min  
 Lab File: BM011420.D  
 Acq: 02 Sep 2017 17:54

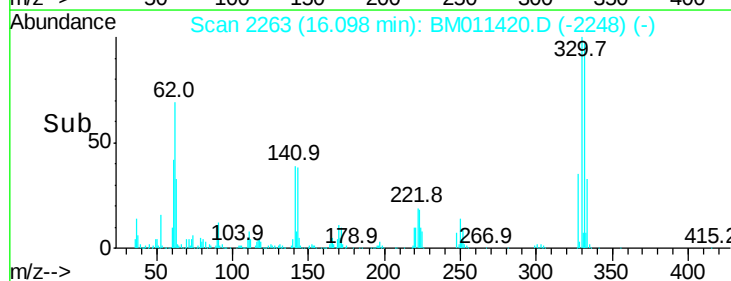
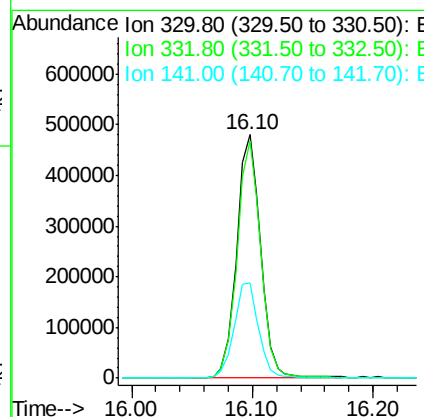
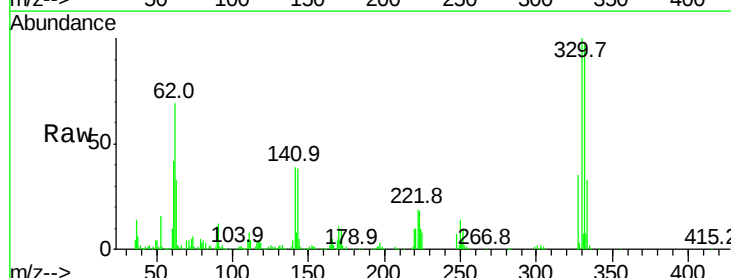
Instrument :  
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 TR-04-083017

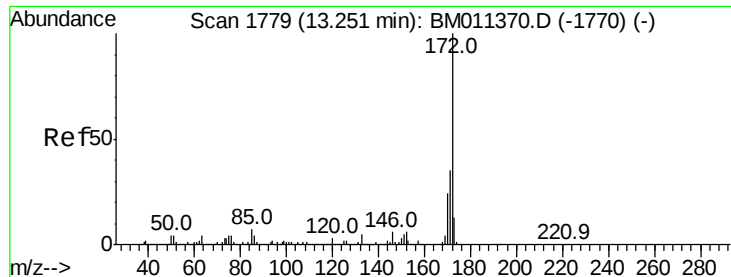
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.7 | 82.4  | 123.6 |
| 160     | 50.5  | 35.8  | 53.6  |



#41  
 2,4,6-Tribromophenol  
 Concen: 152.291 ng  
 RT: 16.10 min Scan# 2263  
 Delta R.T. -0.01 min  
 Lab File: BM011420.D  
 Acq: 02 Sep 2017 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 0.0   | 0.0#  |
| 141     | 40.4  | 0.0   | 0.0#  |

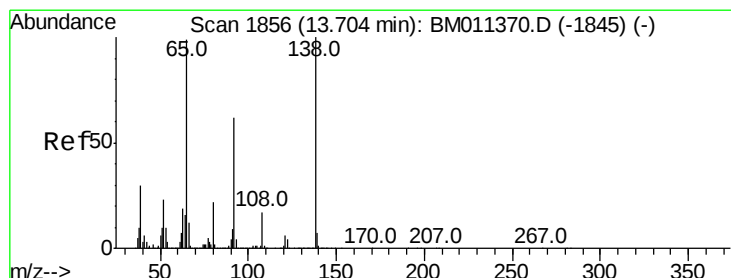
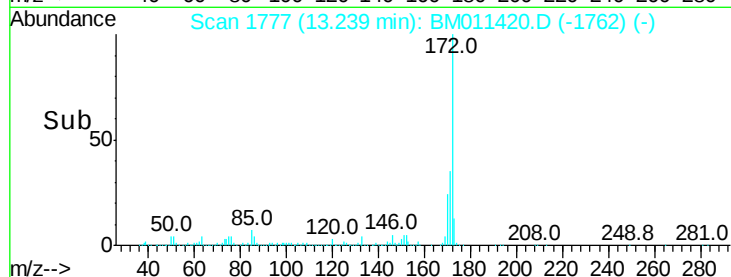
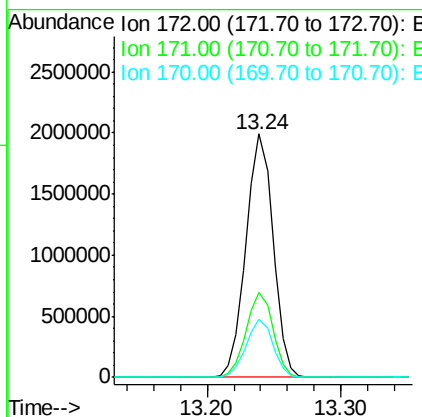
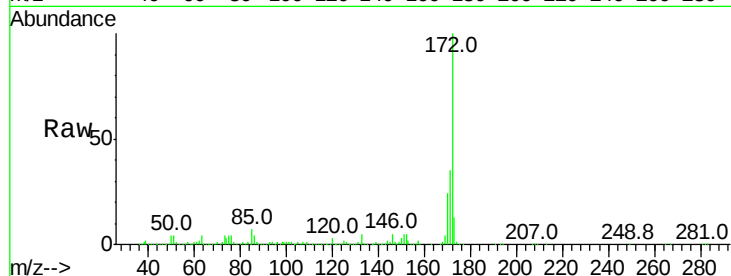




#44  
2-Fluorobiphenyl  
Concen: 106.886 ng  
RT: 13.24 min Scan# 1777  
Delta R.T. -0.01 min  
Lab File: BM011420.D  
Acq: 02 Sep 2017 17:54

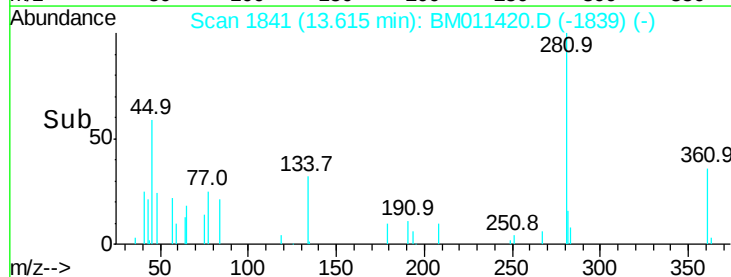
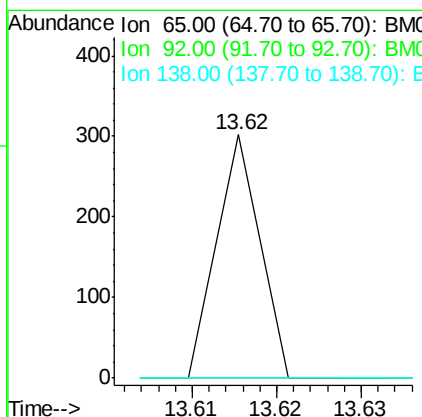
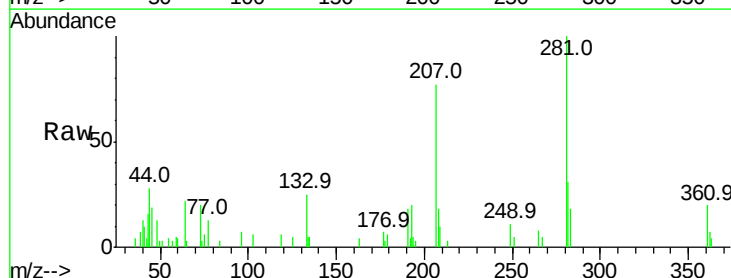
Instrument :  
BNA\_M  
ClientSampleId :  
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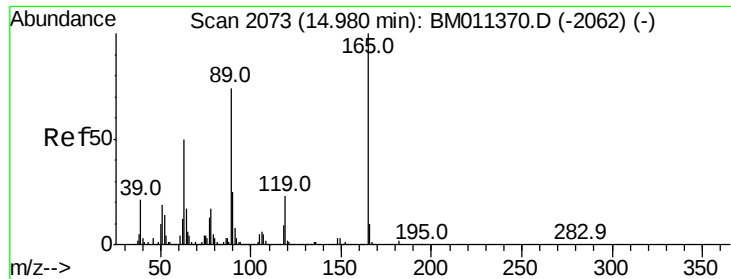
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Ion Ratio Lower Upper  
172 100  
171 34.8 28.5 42.7  
170 23.9 18.8 28.2



#47  
2-Nitroaniline  
Concen: 5.449 ng  
RT: 13.62 min Scan# 1841  
Delta R.T. -0.09 min  
Lab File: BM011420.D  
Acq: 02 Sep 2017 17:54

Tgt Ion: 65 Resp: 107  
Ion Ratio Lower Upper  
65 100  
92 0.0 59.1 88.7#  
138 0.0 93.9 140.9#

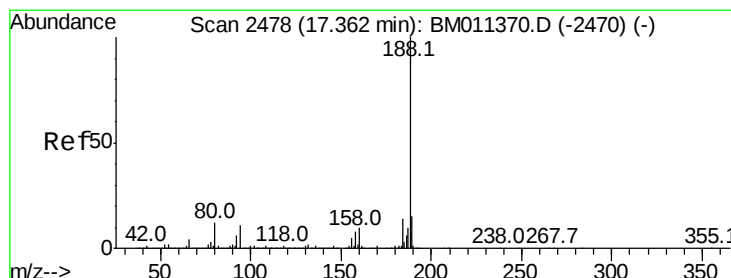
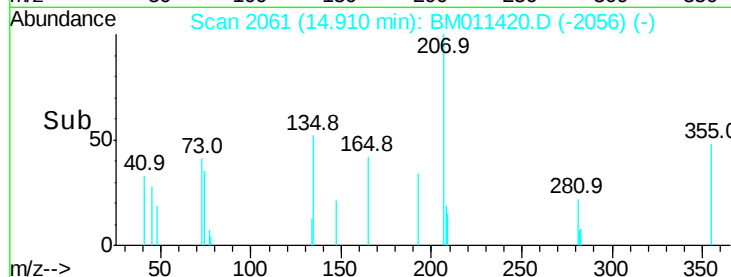
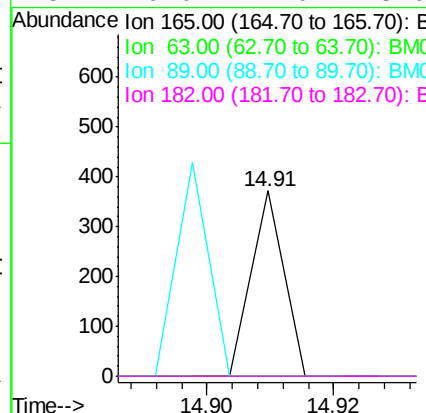
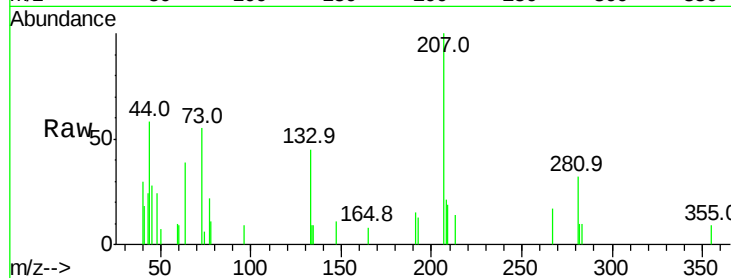




#56  
 2,4-Dinitrotoluene  
 Concen: 5.154 ng  
 RT: 14.91 min Scan# 2061  
 Delta R.T. -0.07 min  
 Lab File: BM011420.D  
 Acq: 02 Sep 2017 17:54

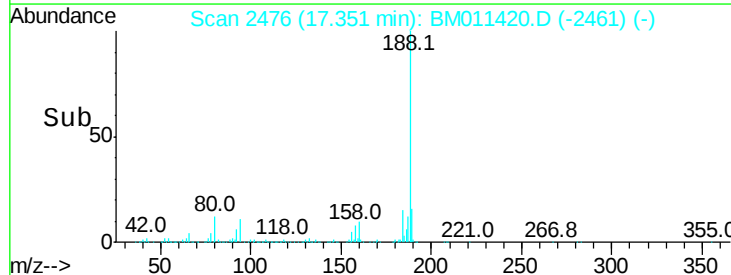
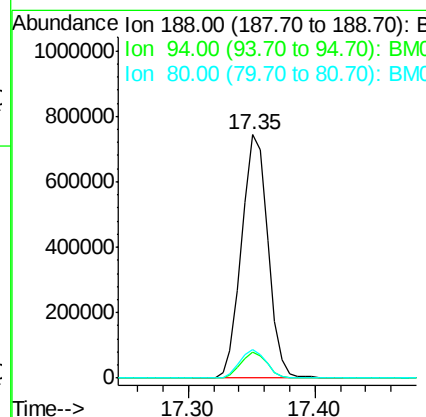
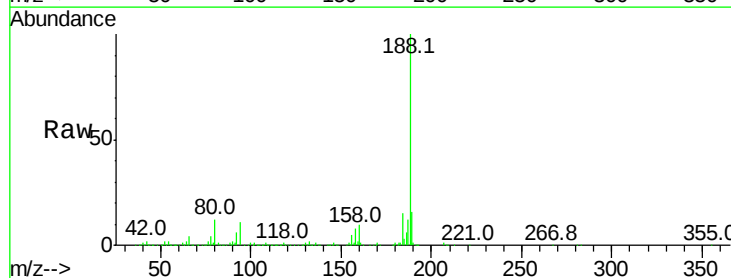
Instrument :  
 BNA\_M  
 ClientSampleId :  
 TR-04-083017

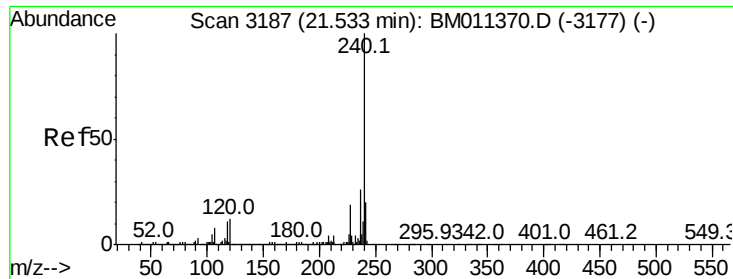
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 52.4  | 78.6#  |
| 89      | 0.0   | 72.4  | 108.6# |
| 182     | 0.0   | 2.0   | 3.0#   |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.35 min Scan# 2476  
 Delta R.T. -0.01 min  
 Lab File: BM011420.D  
 Acq: 02 Sep 2017 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.8  | 8.7   | 13.1  |
| 80      | 11.9  | 9.3   | 13.9  |

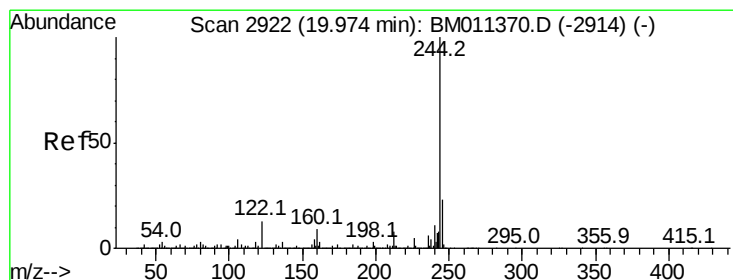
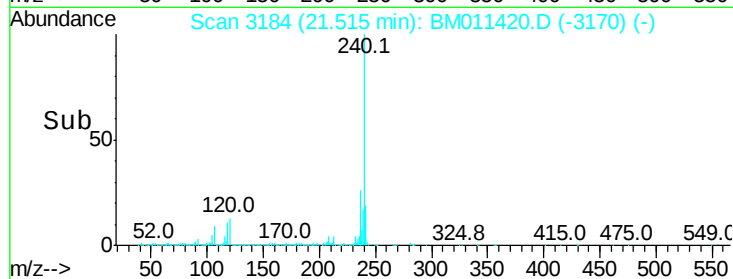
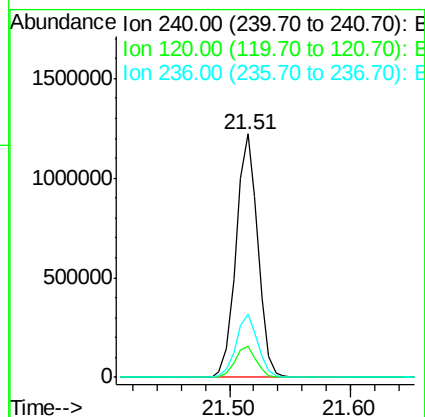
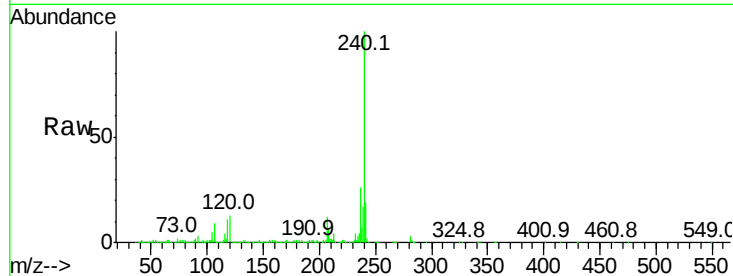




#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.51 min Scan# 3184  
 Delta R.T. -0.02 min  
 Lab File: BM011420.D  
 Acq: 02 Sep 2017 17:54

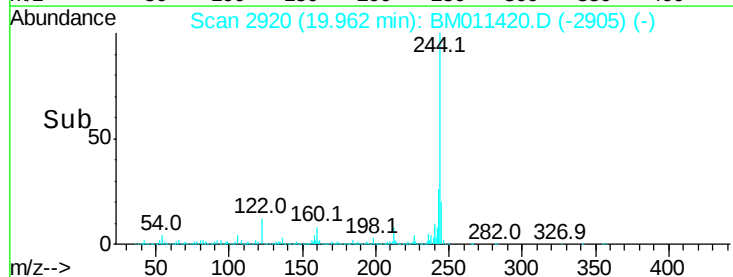
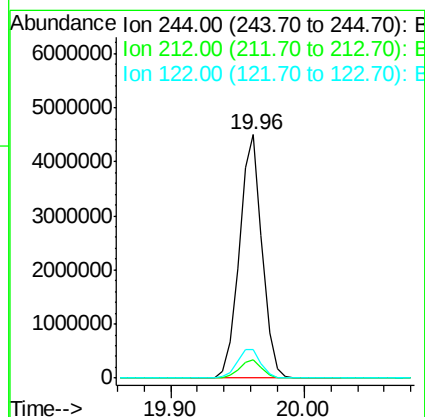
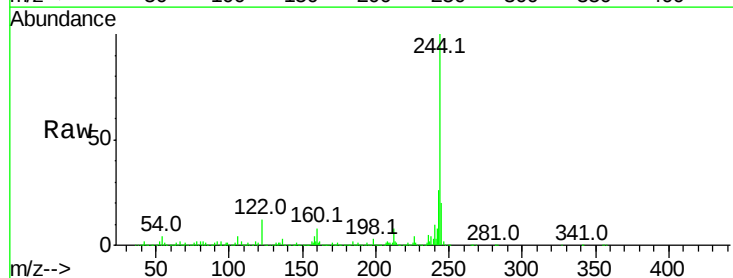
Instrument :  
 BNA\_M  
 ClientSampleId :  
 TR-04-083017

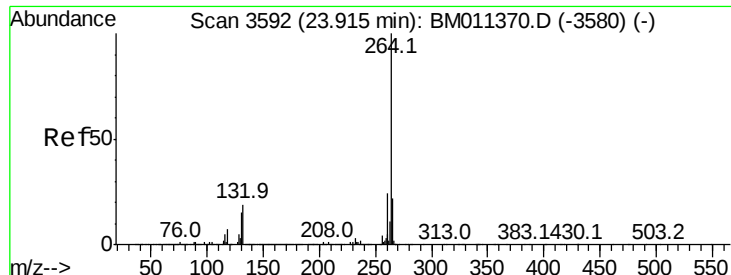
Tot Ion:240 Resp: 1532650  
 Ion Ratio Lower Upper  
 240 100  
 120 12.7 8.2 12.2#  
 236 26.1 20.0 30.0



#78  
 Terphenyl-d14  
 Concen: 85.142 ng  
 RT: 19.96 min Scan# 2920  
 Delta R.T. -0.01 min  
 Lab File: BM011420.D  
 Acq: 02 Sep 2017 17:54

Tgt Ion:244 Resp: 5259206  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 4.9 7.3#  
 122 11.6 6.2 9.4#





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.89 min Scan# 3588  
Delta R.T. -0.02 min  
Lab File: BM011420.D  
Acq: 02 Sep 2017 17:54

Instrument :  
BNA\_M  
ClientSampleId :  
TR-04-083017

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 31.8  | 18.6  | 27.8# |
| 265     | 21.4  | 17.3  | 25.9  |

