

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101716\  
 Data File : BF090618.D  
 Acq On : 17 Oct 2016 20:07  
 Operator : UM/SJ  
 Sample : H5227-04 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 4

Quant Time: Oct 18 01:37:23 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 17 19:19:58 2016  
 Response via : Initial Calibration

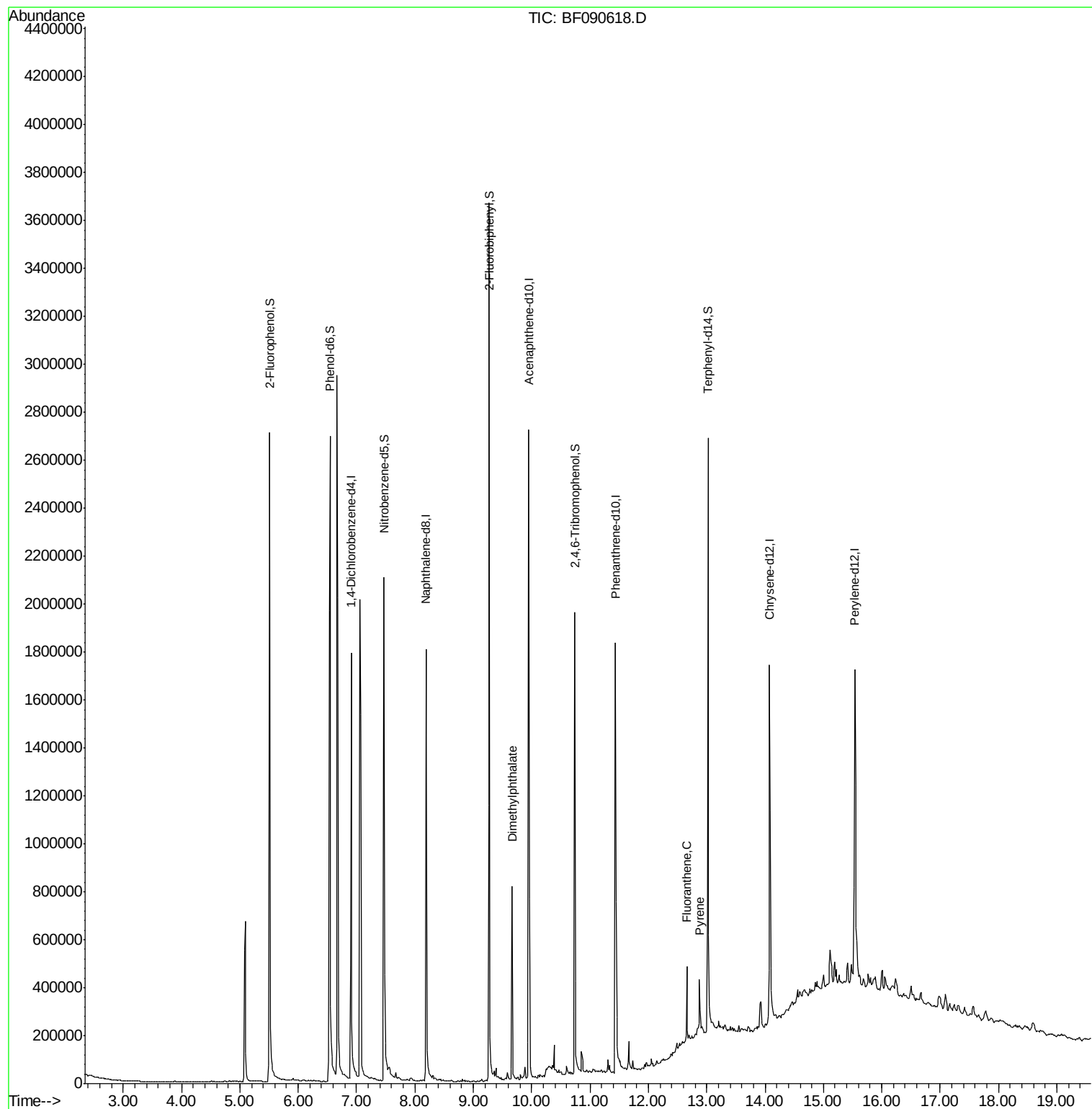
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.91  | 152  | 304770   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.19  | 136  | 1179388  | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.95  | 164  | 555892   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.43 | 188  | 736056   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 14.08 | 240  | 635987   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.54 | 264  | 652303   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 1067157  | 64.19 | ng    | 0.00     |
| 7) Phenol-d6                | 6.54  | 99   | 1403542  | 56.82 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.47  | 82   | 848190   | 39.95 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.74 | 330  | 192842   | 38.91 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.27  | 172  | 1186753  | 35.18 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.02 | 244  | 790402   | 28.94 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 9.66  | 163  | 284475   | 7.89  | ng    | 99       |
| 74) Fluoranthene            | 12.66 | 202  | 109277   | 2.77  | ng    | 94       |
| 77) Pyrene                  | 12.88 | 202  | 94298    | 2.24  | ng    | 98       |

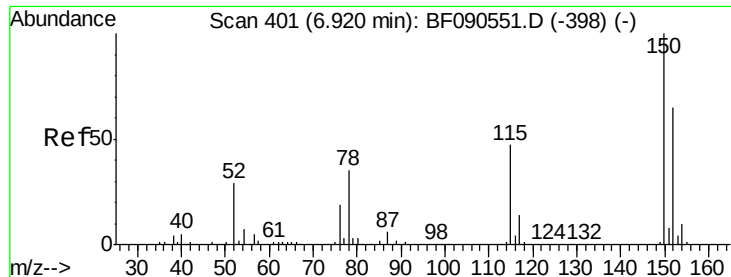
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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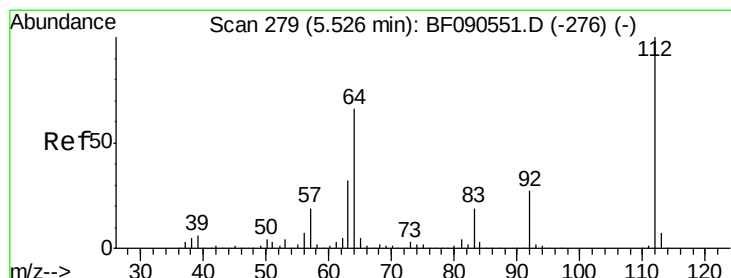
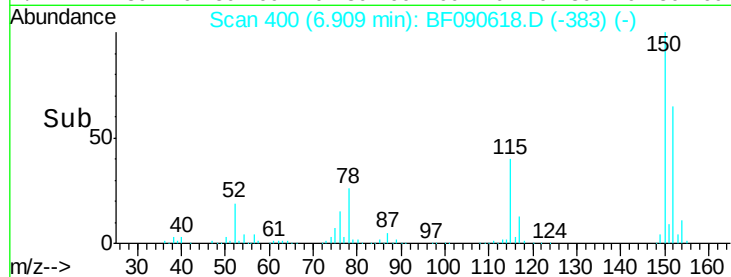
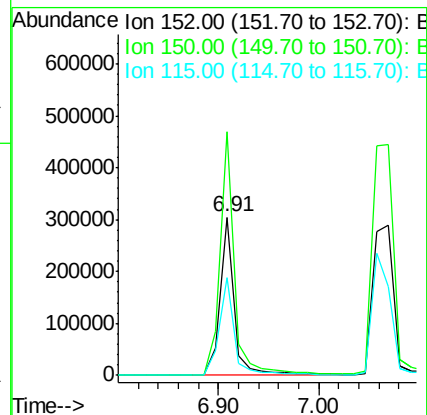
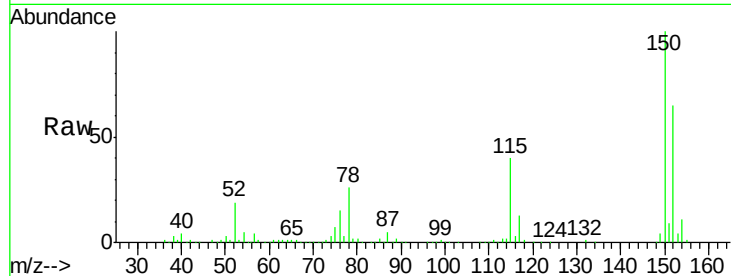


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.91 min Scan# 400  
Delta R.T. -0.00 min  
Lab File: BF090618.D  
Acq: 17 Oct 2016 20:07

Instrument :  
BNA\_F  
ClientSampleId :  
4

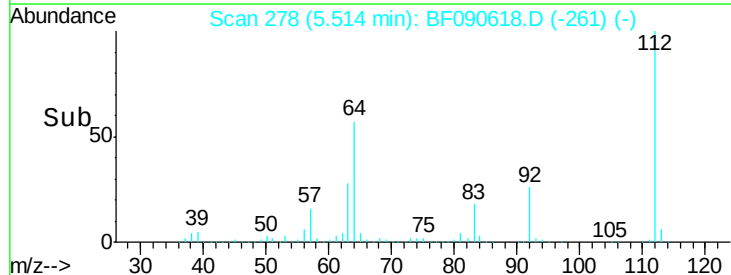
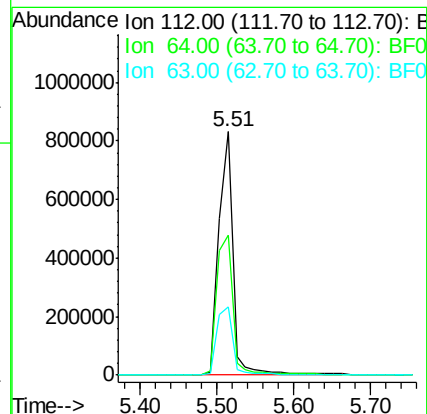
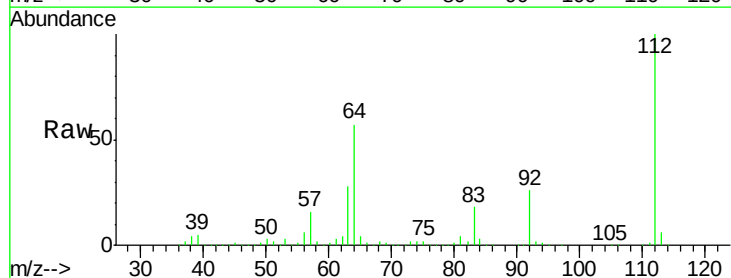
Tot Ion:152 Resp: 304770  
Ion Ratio Lower Upper  
152 100  
150 153.8 127.2 190.8  
115 61.9 58.6 88.0

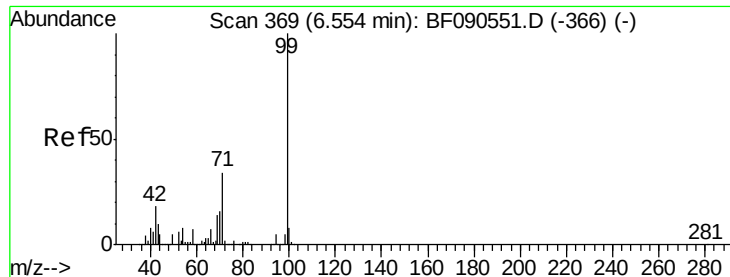


#5

2-Fluorophenol  
Concen: 64.19 ng  
RT: 5.51 min Scan# 278  
Delta R.T. -0.00 min  
Lab File: BF090618.D  
Acq: 17 Oct 2016 20:07

Tgt Ion:112 Resp: 1067157  
Ion Ratio Lower Upper  
112 100  
64 57.3 52.6 78.8  
63 28.2 26.0 39.0





#7

Phenol-d6

Concen: 56.82 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF090618.D

Acq: 17 Oct 2016 20:07

Instrument :

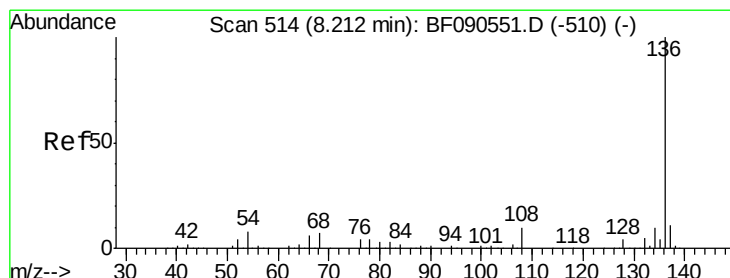
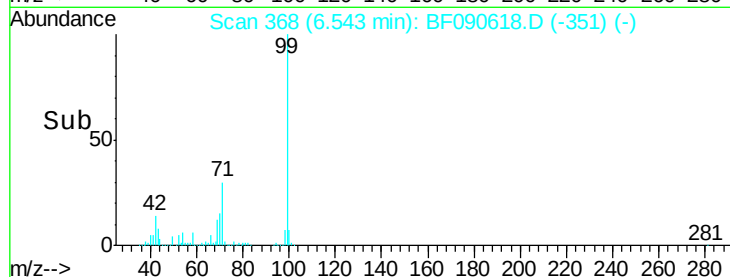
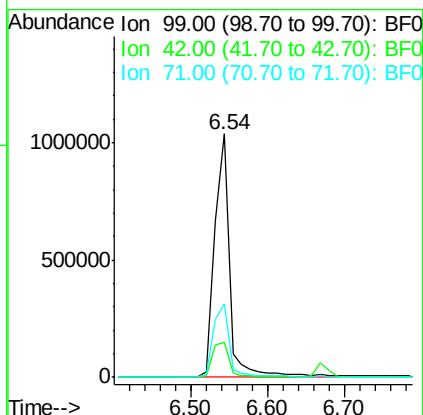
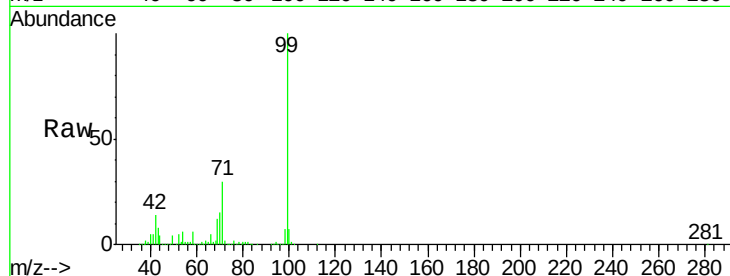
BNA\_F

ClientSampled :

4

Tot Ion: 99 Resp: 1403542

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.4  | 14.7  | 22.1# |
| 71  | 30.4  | 27.6  | 41.4  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 512

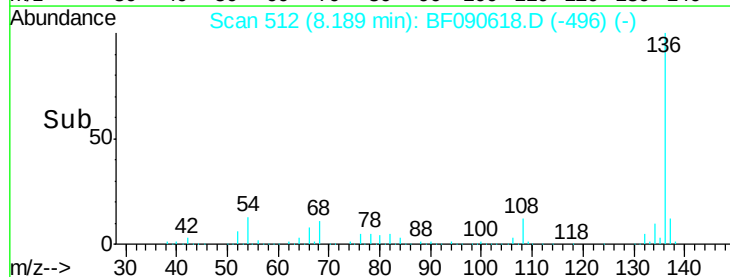
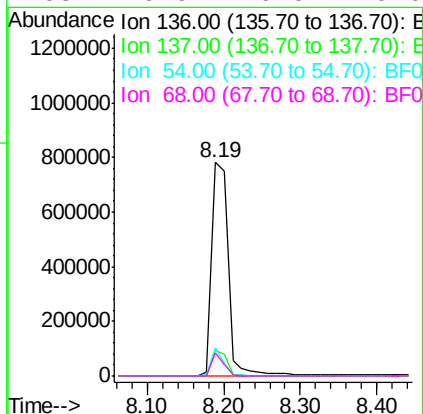
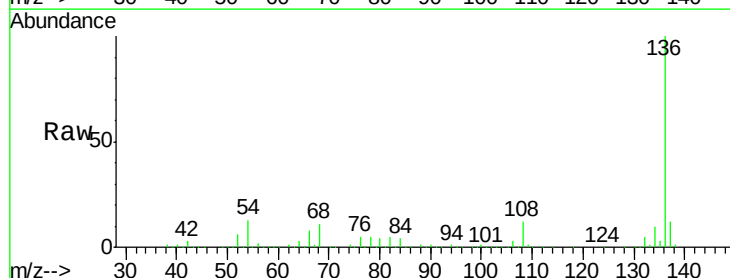
Delta R.T. -0.01 min

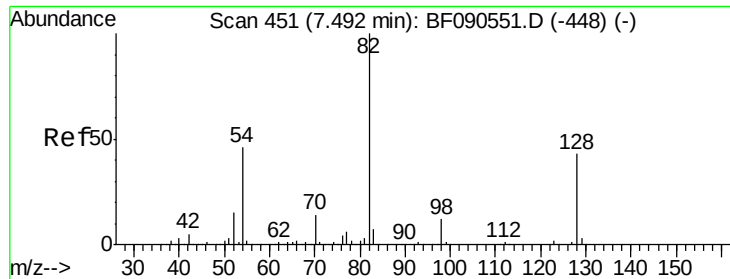
Lab File: BF090618.D

Acq: 17 Oct 2016 20:07

Tgt Ion: 136 Resp: 1179388

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.7  | 8.8   | 13.2  |
| 54  | 13.3  | 6.8   | 10.2# |
| 68  | 10.9  | 6.0   | 9.0#  |

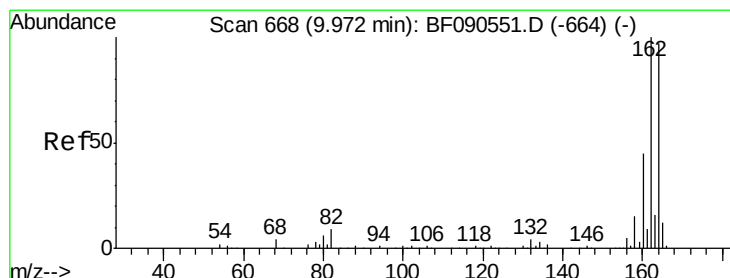
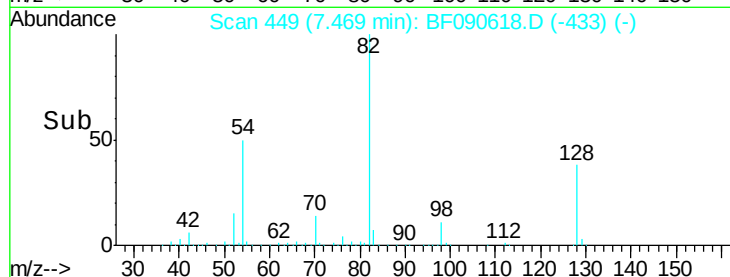
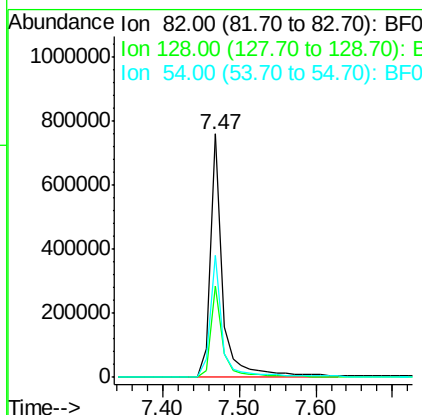
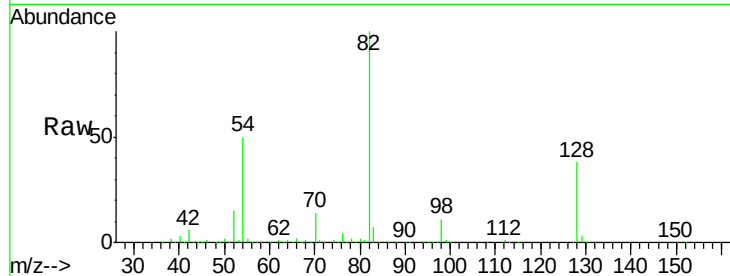




#23  
 Nitrobenzene-d5  
 Concen: 39.95 ng  
 RT: 7.47 min Scan# 449  
 Delta R.T. -0.01 min  
 Lab File: BF090618.D  
 Acq: 17 Oct 2016 20:07

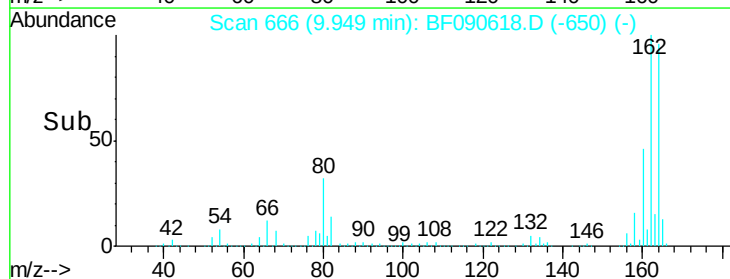
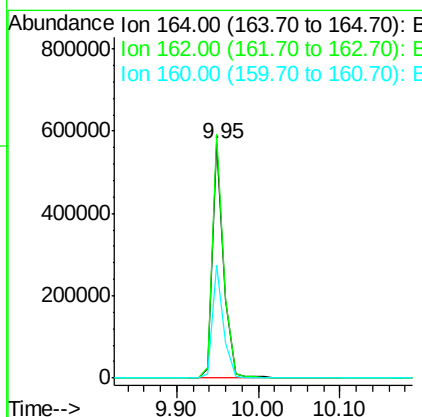
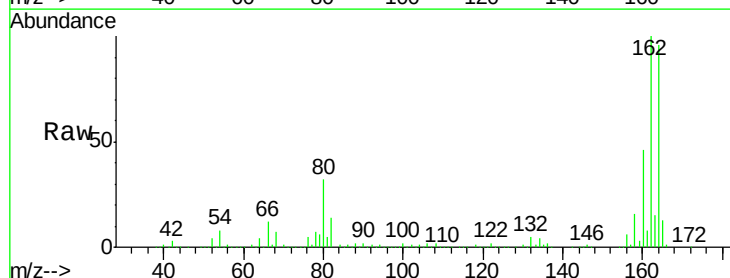
Instrument :  
 BNA\_F  
 ClientSampleId :  
 4

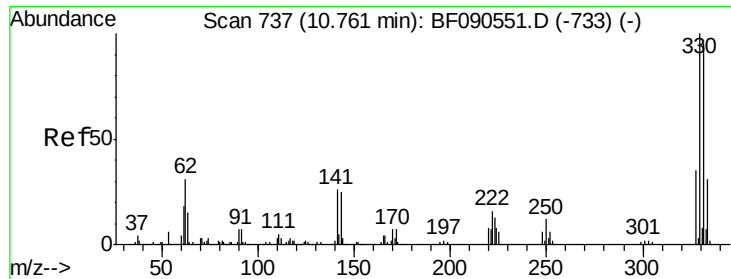
| Tot Ion   | 82    | Resp  | 848190 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.8  | 34.3  | 51.5   |
| 54        | 50.0  | 37.0  | 55.6   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.95 min Scan# 666  
 Delta R.T. -0.01 min  
 Lab File: BF090618.D  
 Acq: 17 Oct 2016 20:07

| Tgt Ion   | 164   | Resp  | 555892 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.0 | 82.2  | 123.4  |
| 160       | 48.2  | 36.6  | 55.0   |

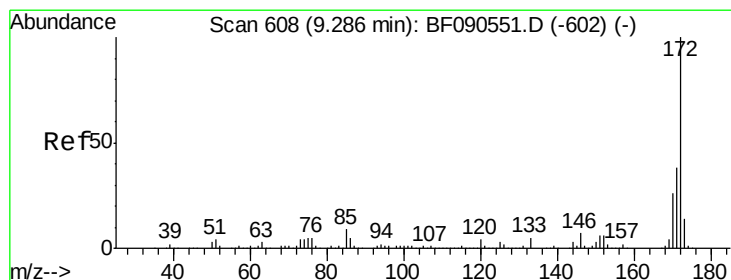
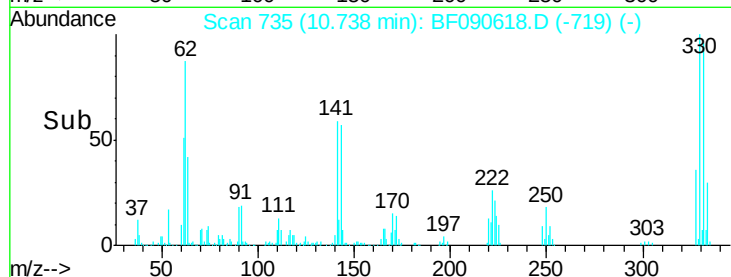
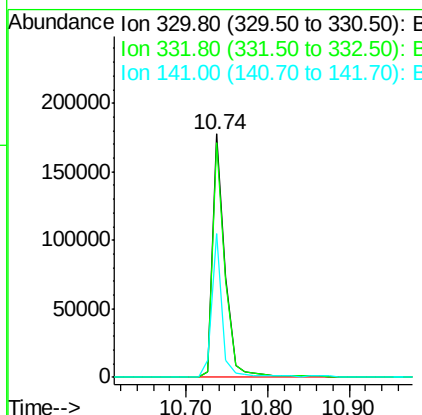
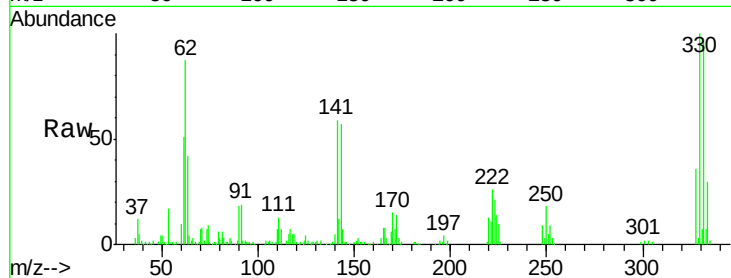




#41  
 2,4,6-Tribromophenol  
 Concen: 38.91 ng  
 RT: 10.74 min Scan# 735  
 Delta R.T. -0.01 min  
 Lab File: BF090618.D  
 Acq: 17 Oct 2016 20:07

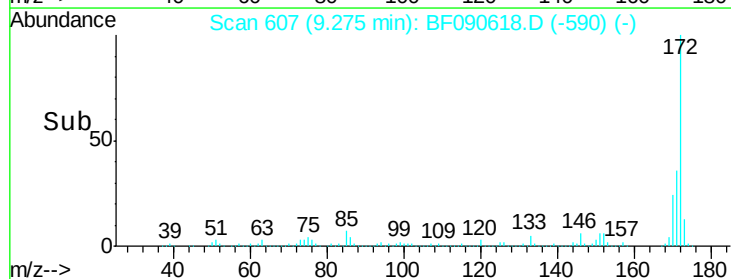
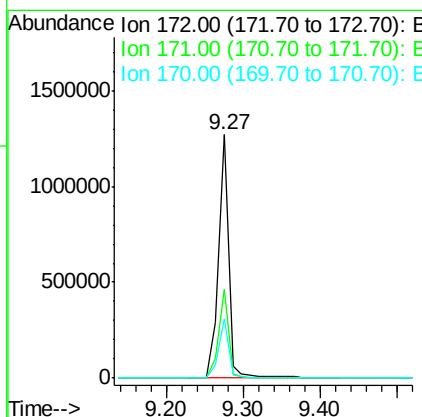
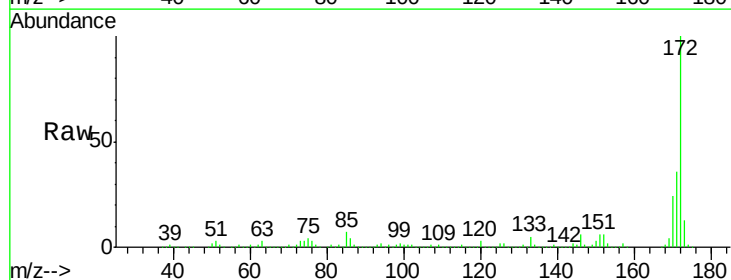
Instrument :  
 BNA\_F  
 ClientSampleId :  
 4

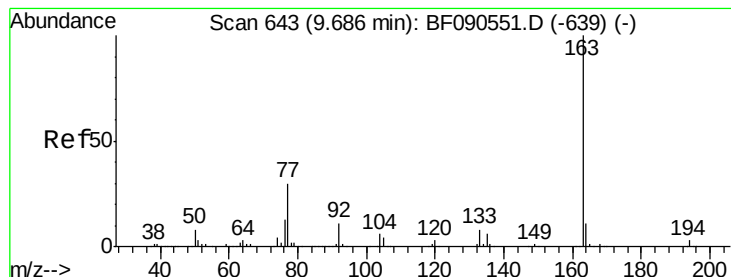
Tot Ion:330 Resp: 192842  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 76.2 114.2  
 141 50.8 31.4 47.2#



#44  
 2-Fluorobiphenyl  
 Concen: 35.18 ng  
 RT: 9.27 min Scan# 607  
 Delta R.T. -0.00 min  
 Lab File: BF090618.D  
 Acq: 17 Oct 2016 20:07

Tgt Ion:172 Resp: 1186753  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 30.1 45.1  
 170 24.4 20.6 30.8





#49

Dimethylphthalate

Concen: 7.89 ng

RT: 9.66 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF090618.D

Acq: 17 Oct 2016 20:07

Instrument :

BNA\_F

ClientSampleId :

4

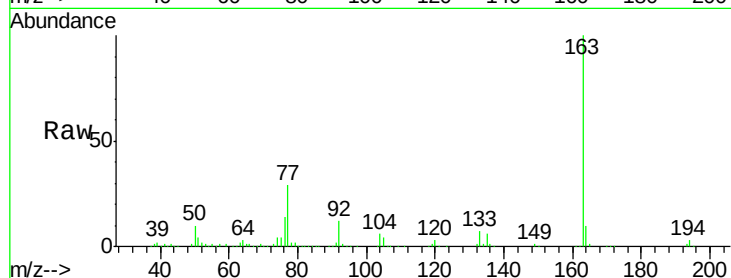
Tot Ion:163 Resp: 284475

Ion Ratio Lower Upper

163 100

194 2.8 2.3 3.5

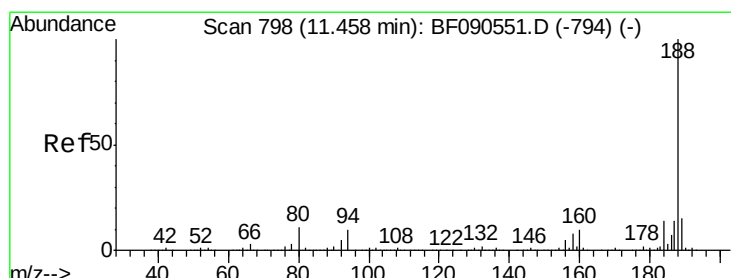
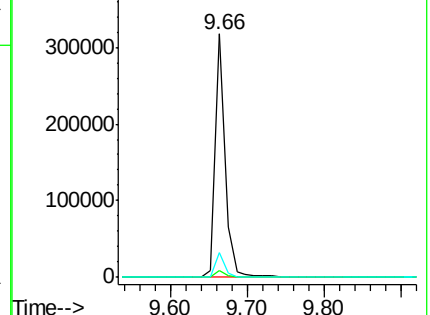
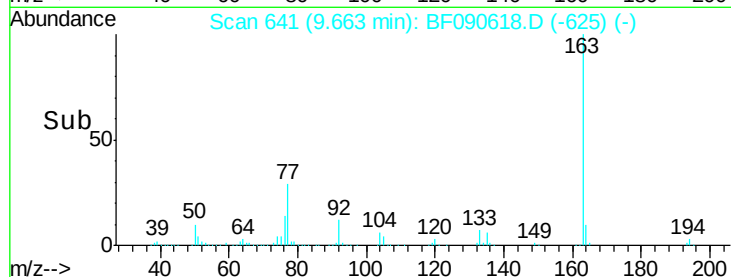
164 10.2 8.6 13.0



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: 20.00 ng

RT: 11.43 min Scan# 796

Delta R.T. -0.01 min

Lab File: BF090618.D

Acq: 17 Oct 2016 20:07

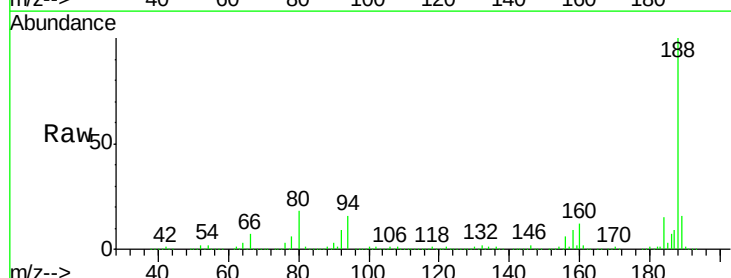
Tgt Ion:188 Resp: 736056

Ion Ratio Lower Upper

188 100

94 15.6 7.7 11.5#

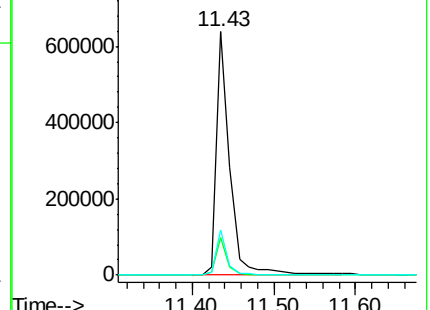
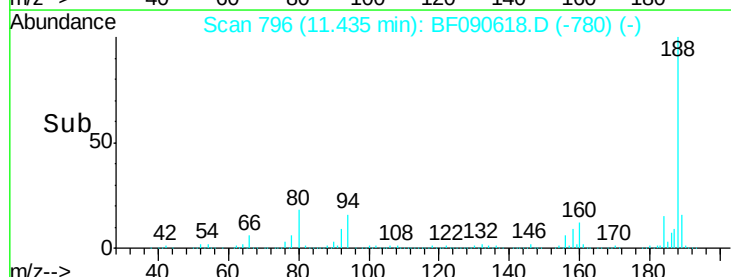
80 18.4 8.6 12.8#

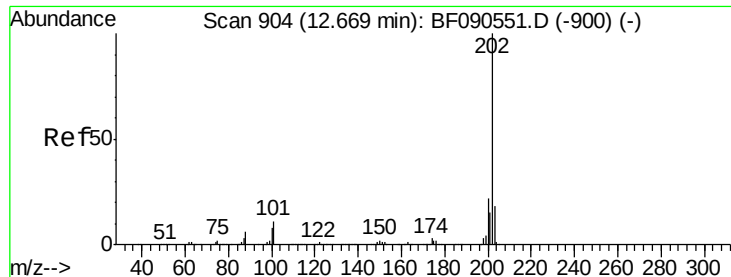


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.77 ng

RT: 12.66 min Scan# 903

Delta R.T. -0.00 min

Lab File: BF090618.D

Acq: 17 Oct 2016 20:07

Instrument :

BNA\_F

ClientSampleId :

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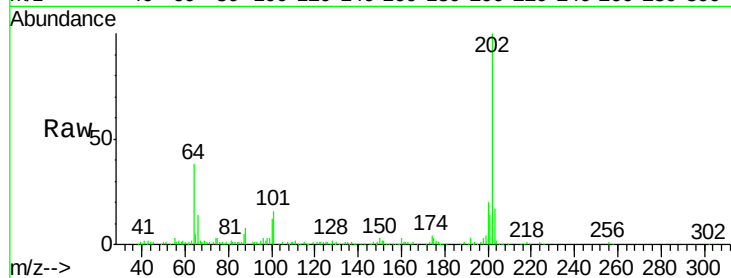
Tot Ion:202 Resp: 109277

Ion Ratio Lower Upper

202 100

101 15.9 0.0 31.1

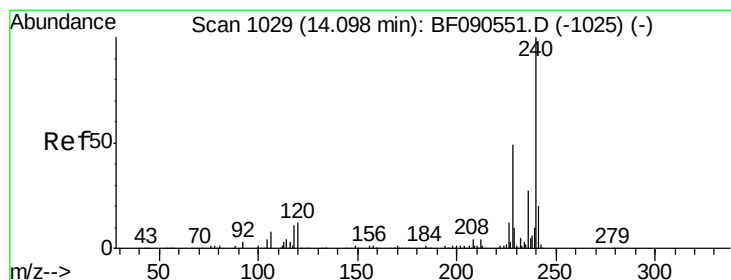
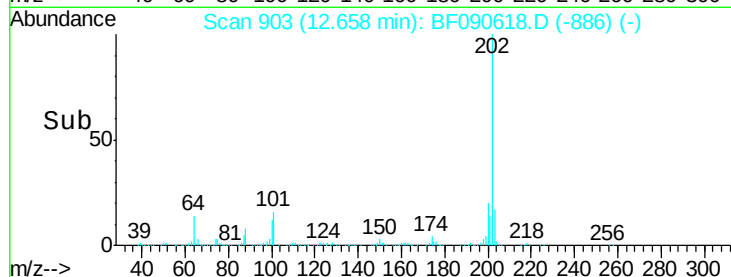
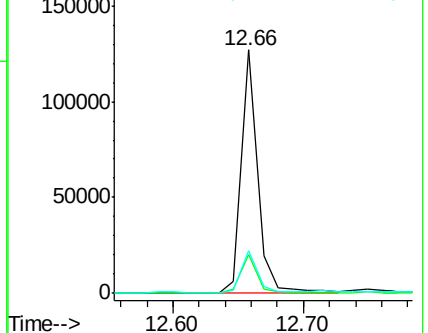
203 17.5 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF090618.D

Acq: 17 Oct 2016 20:07

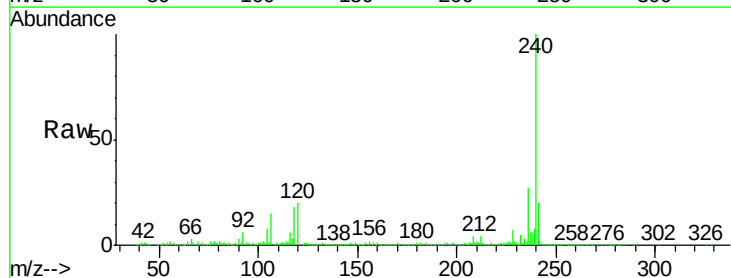
Tgt Ion:240 Resp: 635987

Ion Ratio Lower Upper

240 100

120 20.3 9.8 14.8#

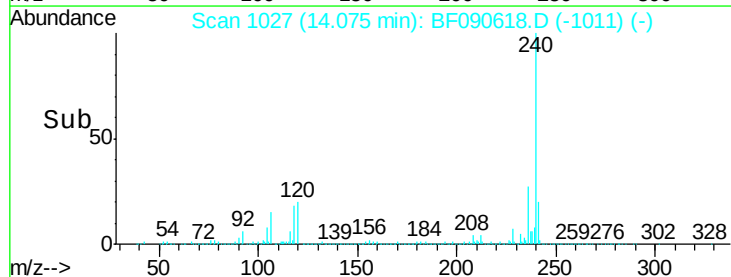
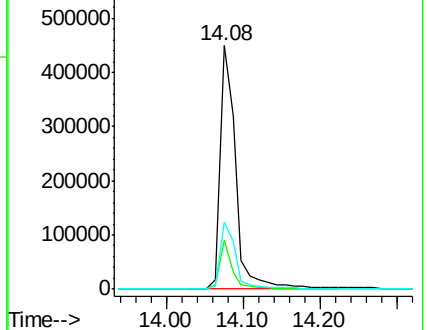
236 27.4 21.7 32.5



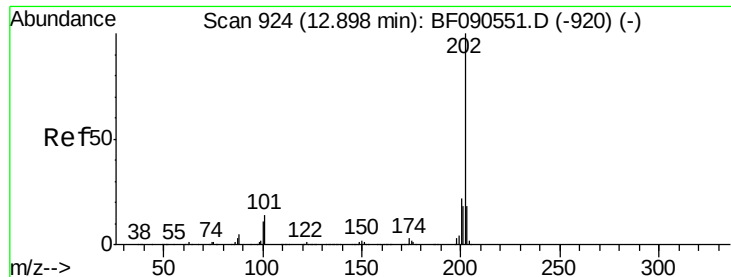
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#77

Pvrene

Concen: 2.24 ng

RT: 12.88 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF090618.D

Acq: 17 Oct 2016 20:07

Instrument :

BNA\_F

ClientSampled :

4

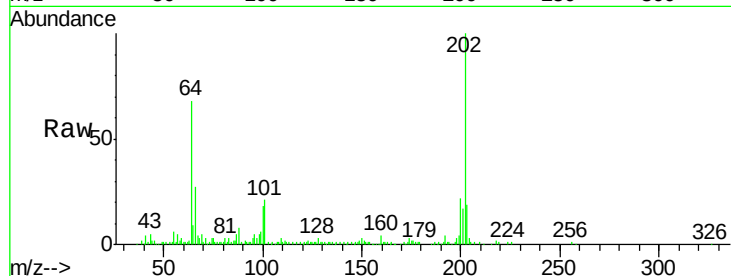
Tot Ion:202 Resp: 94298

Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.6

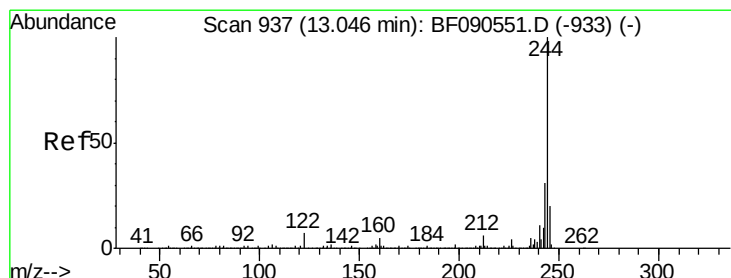
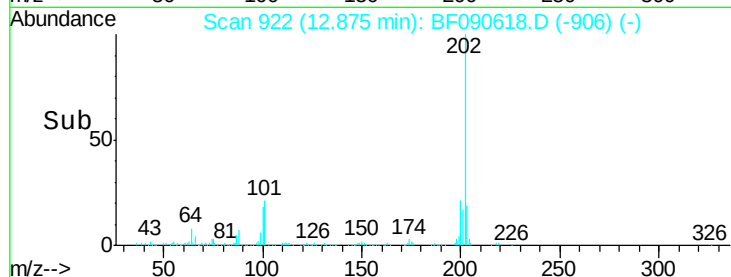
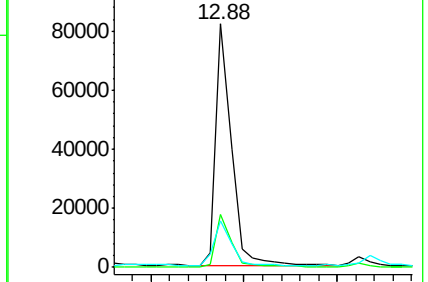
203 19.3 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 28.94 ng

RT: 13.02 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF090618.D

Acq: 17 Oct 2016 20:07

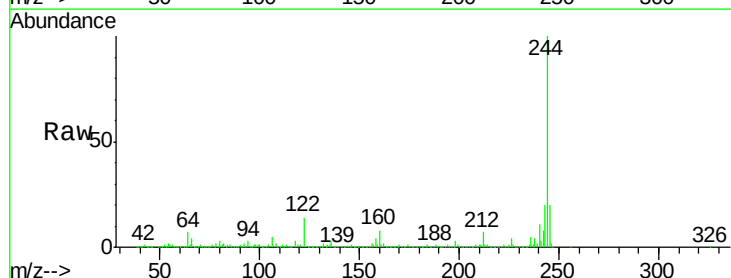
Tgt Ion:244 Resp: 790402

Ion Ratio Lower Upper

244 100

212 7.5 5.0 7.4#

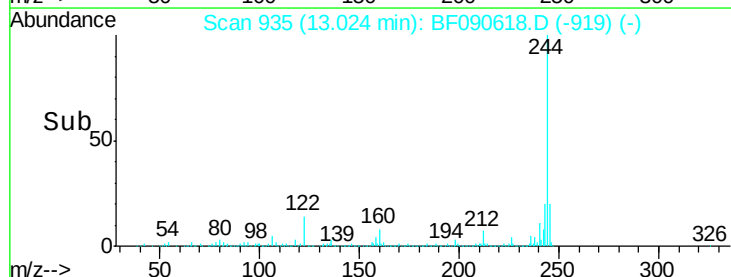
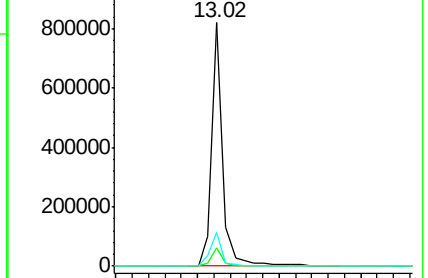
122 13.9 5.6 8.4#

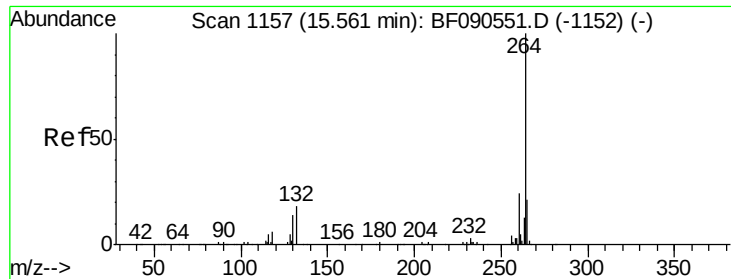


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.54 min Scan# 1155  
Delta R.T. -0.00 min  
Lab File: BF090618.D  
Acq: 17 Oct 2016 20:07

Instrument :  
BNA\_F  
ClientSampleId :  
4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.5  | 19.3  | 28.9  |
| 265     | 21.8  | 16.7  | 25.1  |

