

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\  
 Data File : BF090567.D  
 Acq On : 14 Oct 2016 13:50  
 Operator : UM/SJ  
 Sample : H4977-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 15M

Quant Time: Oct 14 15:00:09 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 14 02:03:28 2016  
 Response via : Initial Calibration

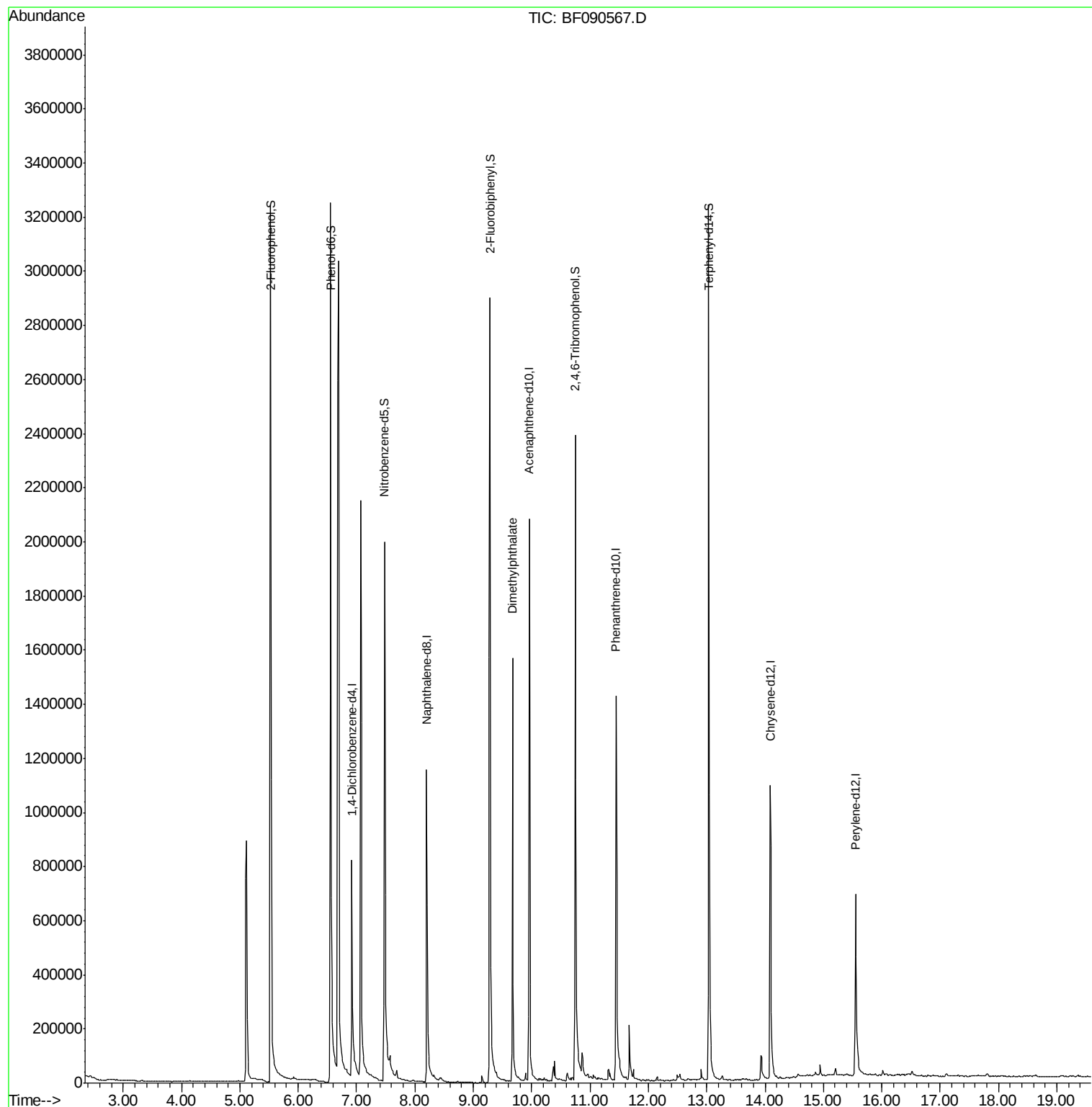
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 198363   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 850308   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.96  | 164  | 470392   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.45 | 188  | 776545   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.09 | 240  | 616986   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.55 | 264  | 400663   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 1176179  | 108.70 | ng    | 0.00     |
| 7) Phenol-d6                | 6.55  | 99   | 1761528  | 109.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 1023865  | 66.89  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 400182   | 95.42  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 1358658  | 47.59  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.04 | 244  | 1213501  | 45.80  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.67  | 163  | 718969   | 23.56  | ng    | 99       |

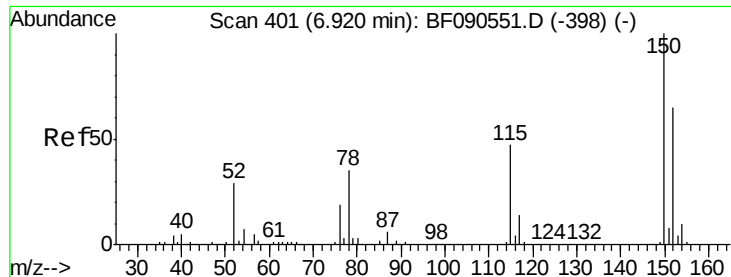
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\  
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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
15M

Quant Time: Oct 14 15:00:09 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 14 02:03:28 2016  
Response via : Initial Calibration



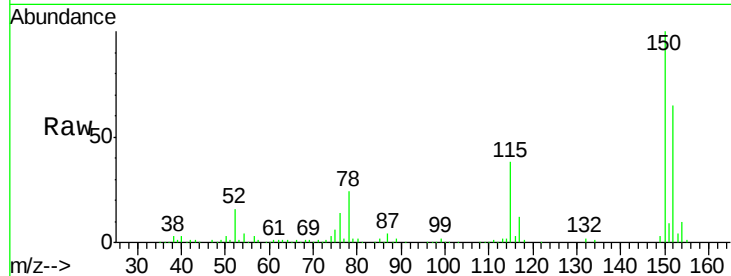


#1

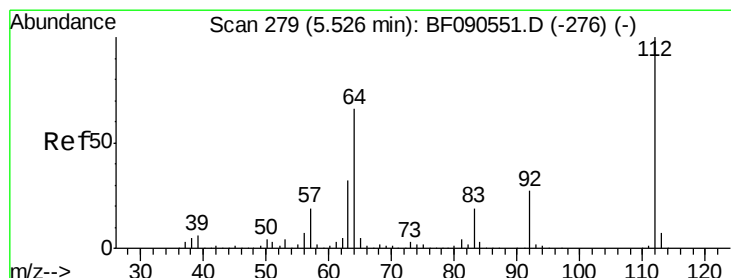
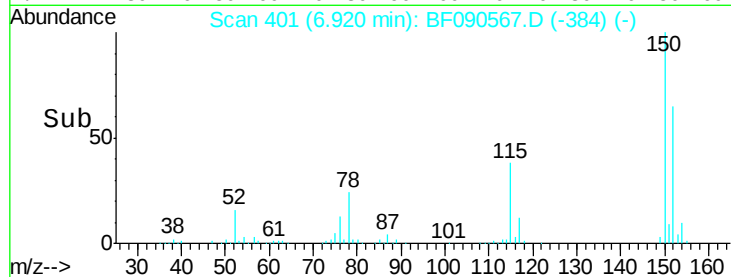
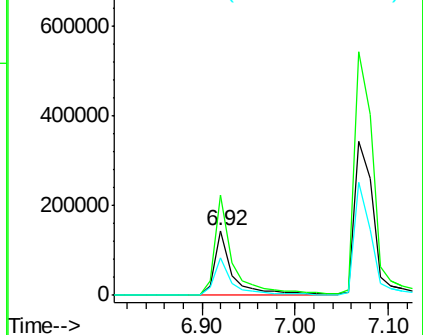
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.92 min Scan# 401  
Delta R.T. 0.00 min  
Lab File: BF090567.D  
Acq: 14 Oct 2016 13:50

Instrument :  
BNA\_F  
ClientSampleId :  
15M

Tot Ion:152 Resp: 198363  
Ion Ratio Lower Upper  
152 100  
150 153.9 127.2 190.8  
115 58.2 58.6 88.0#



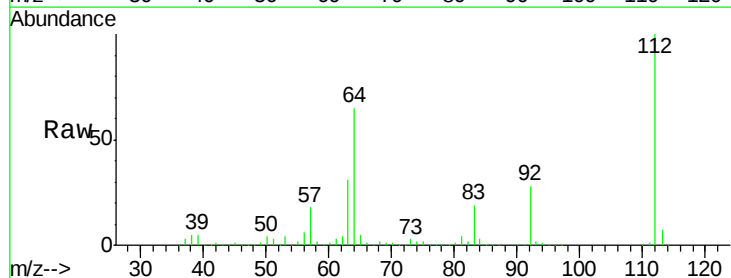
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



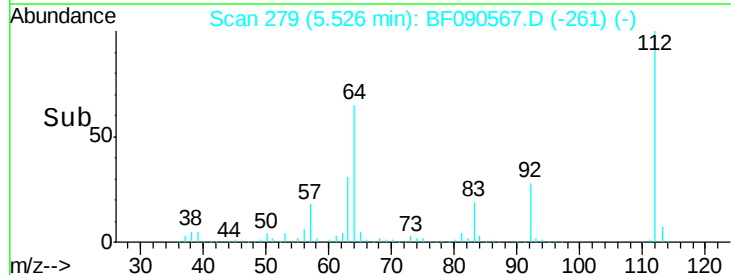
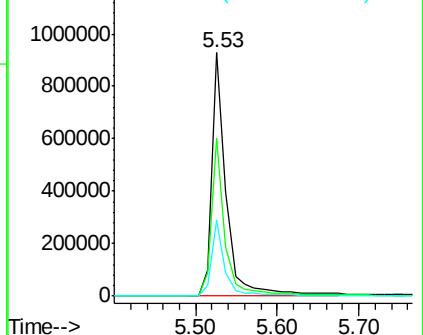
#5

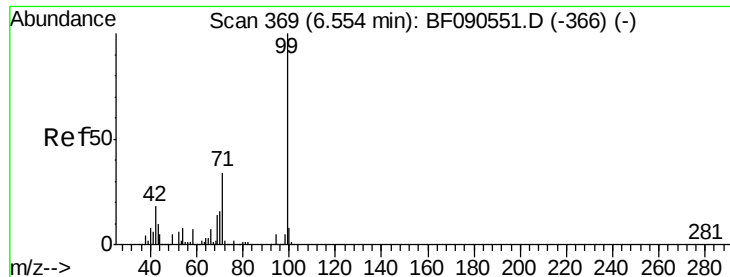
2-Fluorophenol  
Concen: 108.70 ng  
RT: 5.53 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: BF090567.D  
Acq: 14 Oct 2016 13:50

Tgt Ion:112 Resp: 1176179  
Ion Ratio Lower Upper  
112 100  
64 64.6 52.6 78.8  
63 31.3 26.0 39.0



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: 109.56 ng

RT: 6.55 min Scan# 369

Delta R.T. 0.00 min

Lab File: BF090567.D

Acq: 14 Oct 2016 13:50

Instrument :

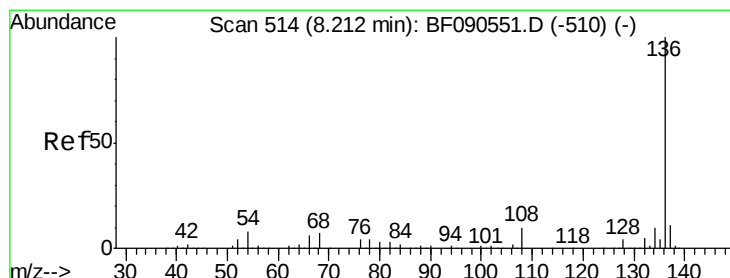
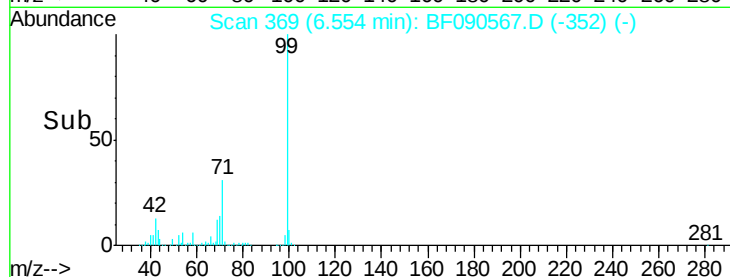
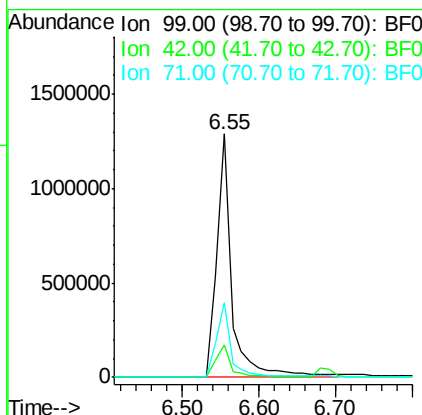
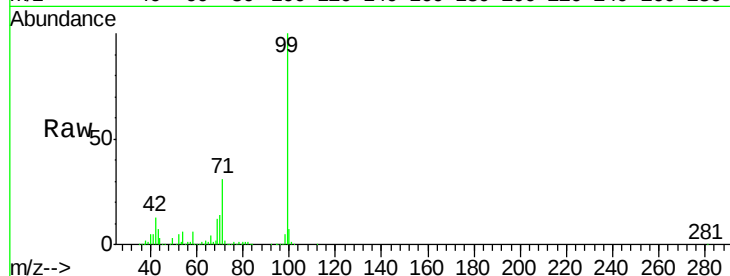
BNA\_F

ClientSampleId :

15M

Tot Ion: 99 Resp: 1761528

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.4  | 14.7  | 22.1# |
| 71  | 30.7  | 27.6  | 41.4  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 513

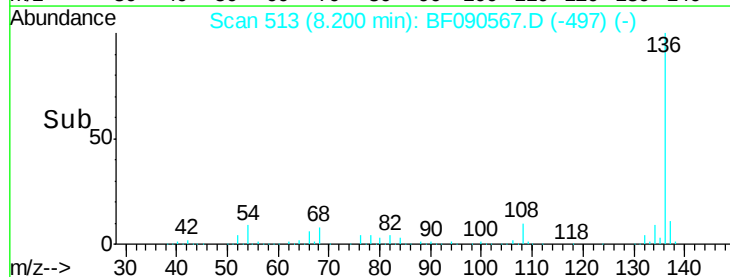
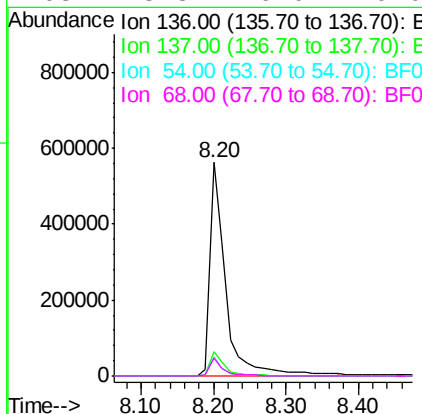
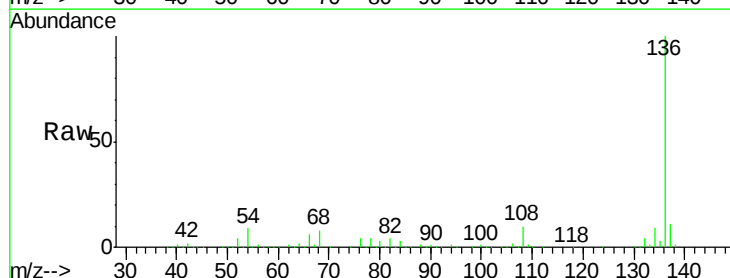
Delta R.T. -0.01 min

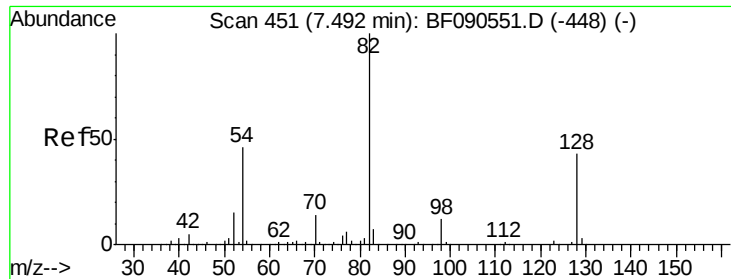
Lab File: BF090567.D

Acq: 14 Oct 2016 13:50

Tgt Ion: 136 Resp: 850308

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.8   | 13.2  |
| 54  | 9.2   | 6.8   | 10.2  |
| 68  | 8.3   | 6.0   | 9.0   |



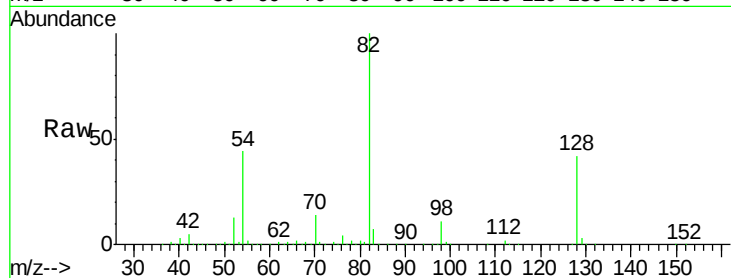


#23  
 Nitrobenzene-d5  
 Concen: 66.89 ng  
 RT: 7.48 min Scan# 450  
 Delta R.T. -0.01 min  
 Lab File: BF090567.D  
 Acq: 14 Oct 2016 13:50

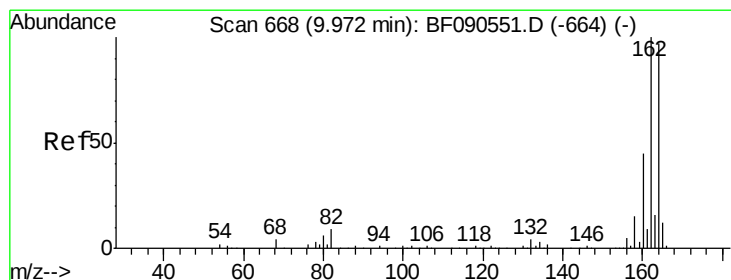
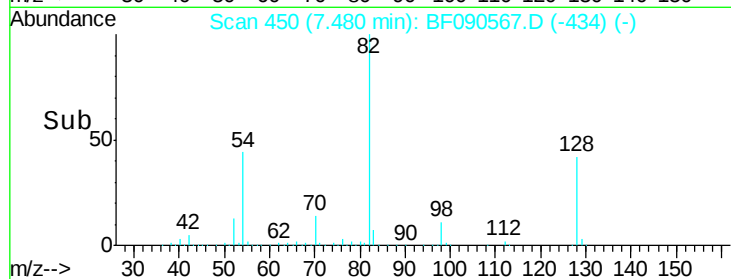
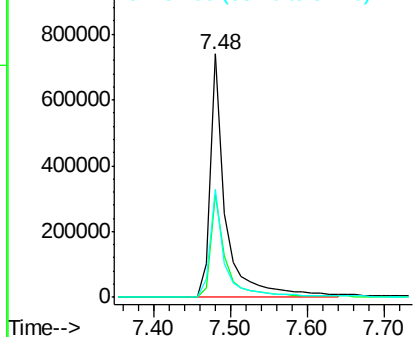
Instrument :  
 BNA\_F  
 ClientSampled :  
 15M

Tot Ion: 82 Resp: 1023865  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.3  | 34.3  | 51.5  |
| 54  | 44.1  | 37.0  | 55.6  |



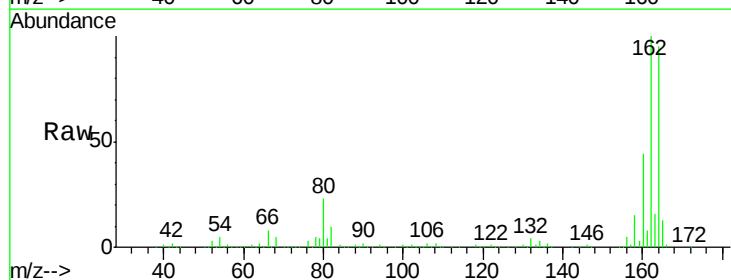
Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0



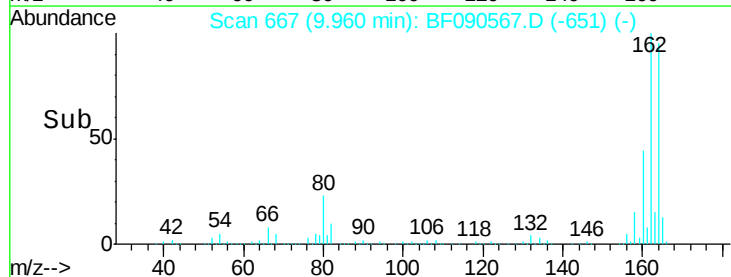
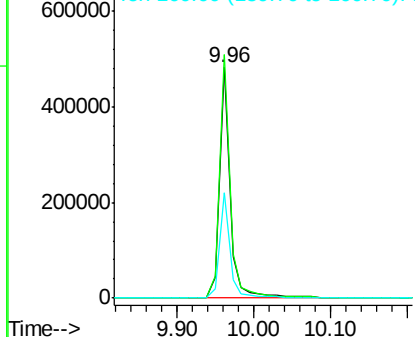
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.96 min Scan# 667  
 Delta R.T. -0.01 min  
 Lab File: BF090567.D  
 Acq: 14 Oct 2016 13:50

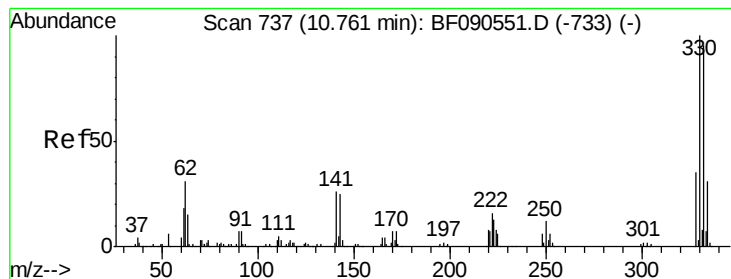
Tgt Ion: 164 Resp: 470392  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 105.6 | 82.2  | 123.4 |
| 160 | 46.0  | 36.6  | 55.0  |



Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 95.42 ng

RT: 10.75 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF090567.D

Acq: 14 Oct 2016 13:50

Instrument :

BNA\_F

ClientSampleId :

15M

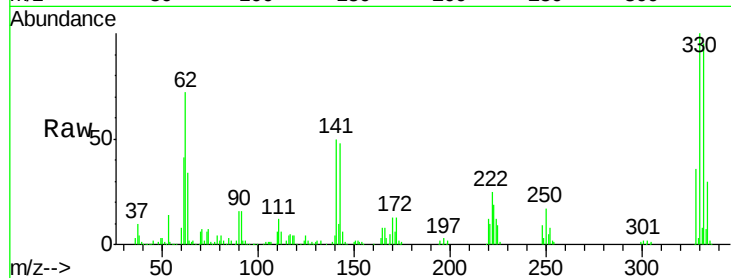
Tot Ion:330 Resp: 400182

Ion Ratio Lower Upper

330 100

332 95.9 76.2 114.2

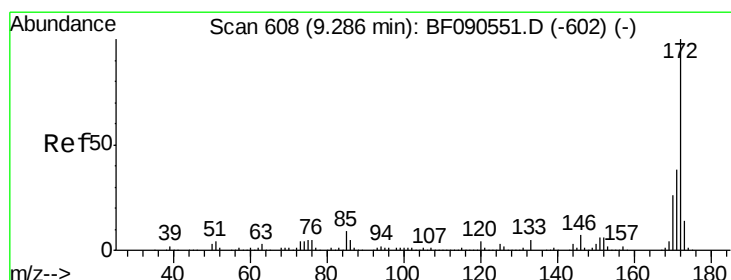
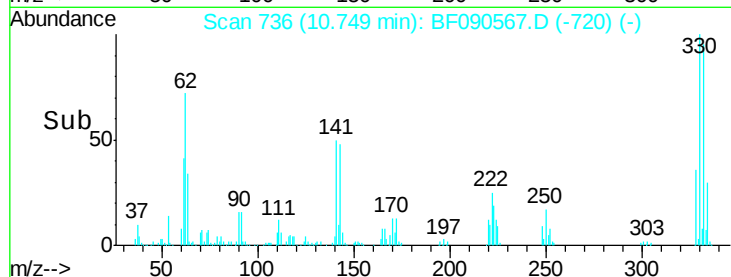
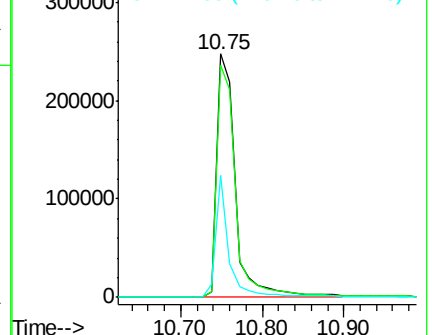
141 36.0 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 47.59 ng

RT: 9.29 min Scan# 608

Delta R.T. 0.00 min

Lab File: BF090567.D

Acq: 14 Oct 2016 13:50

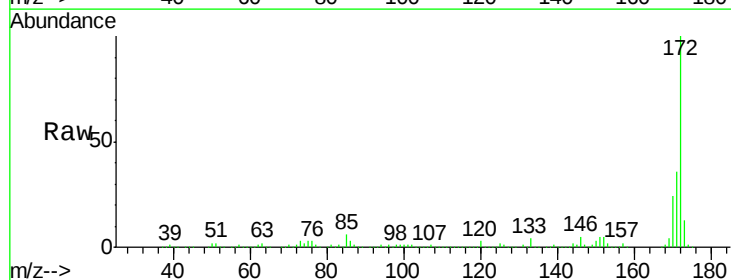
Tgt Ion:172 Resp: 1358658

Ion Ratio Lower Upper

172 100

171 35.8 30.1 45.1

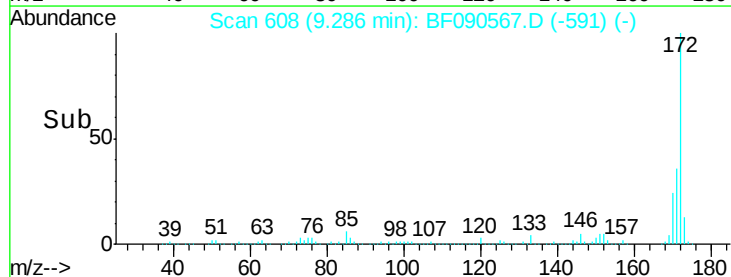
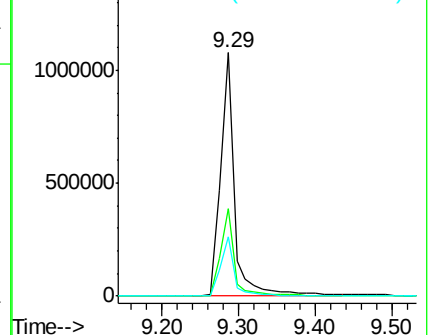
170 24.1 20.6 30.8

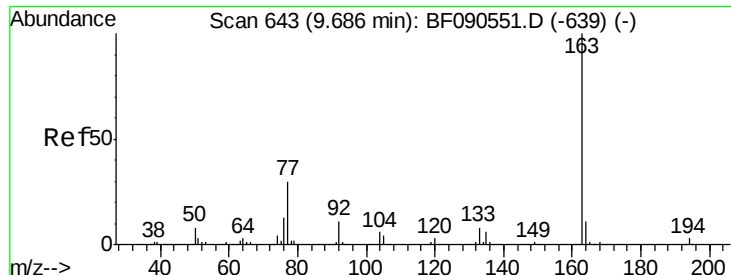


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 23.56 ng

RT: 9.67 min Scan# 642

Delta R.T. -0.01 min

Lab File: BF090567.D

Acq: 14 Oct 2016 13:50

Instrument :

BNA\_F

ClientSampleId :

15M

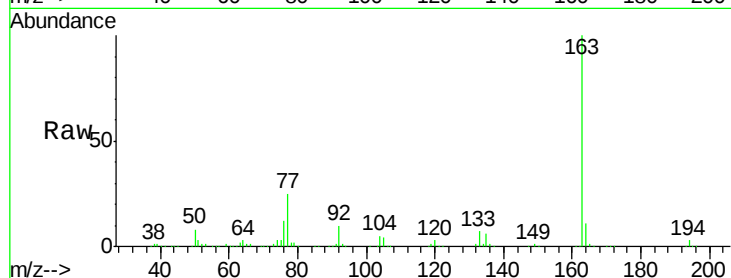
Tot Ion:163 Resp: 718969

Ion Ratio Lower Upper

163 100

194 3.2 2.3 3.5

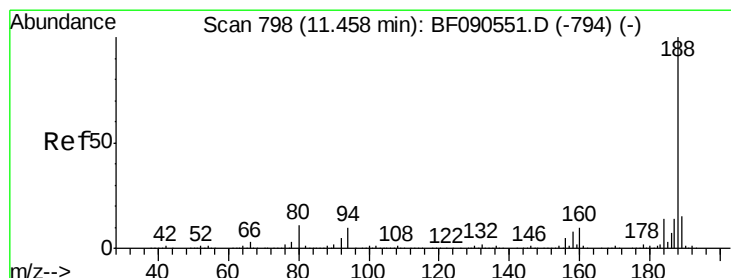
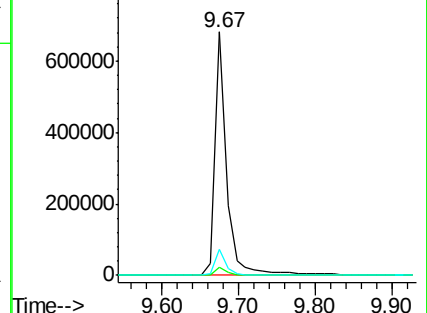
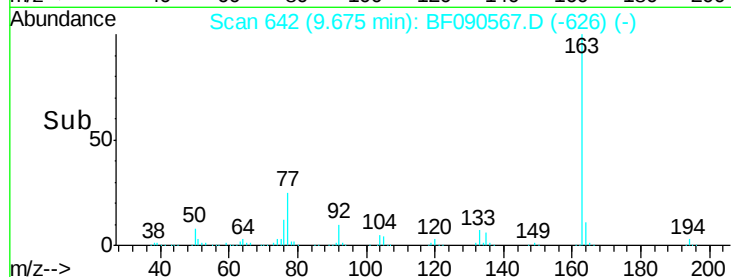
164 10.6 8.6 13.0



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: 11.45 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF090567.D

Acq: 14 Oct 2016 13:50

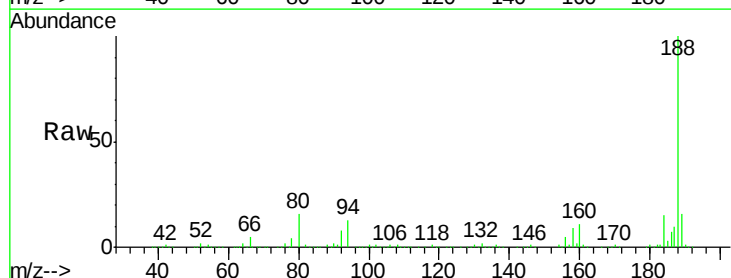
Tgt Ion:188 Resp: 776545

Ion Ratio Lower Upper

188 100

94 13.3 7.7 11.5#

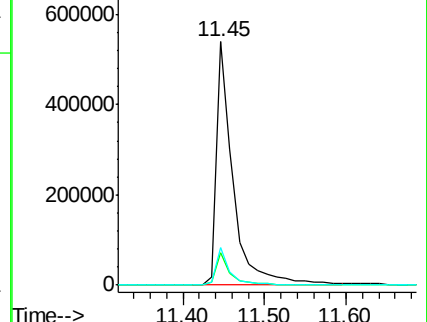
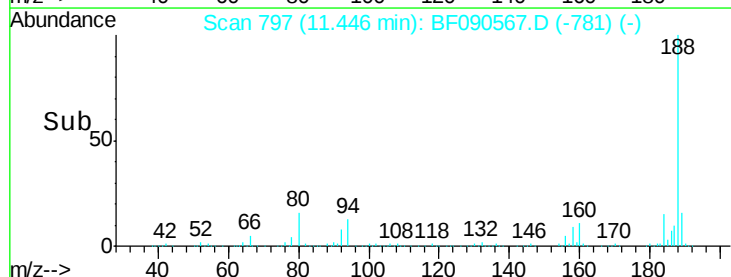
80 15.5 8.6 12.8#

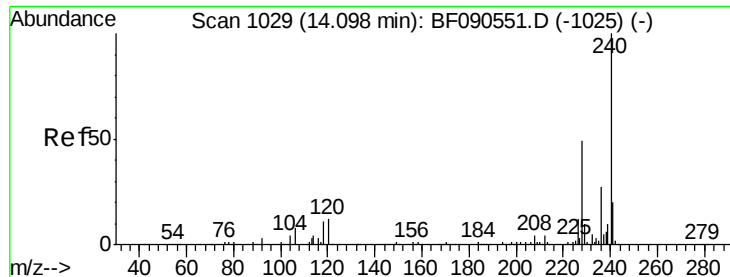


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF090567.D

Acq: 14 Oct 2016 13:50

Instrument :

BNA\_F

ClientSampled :

15M

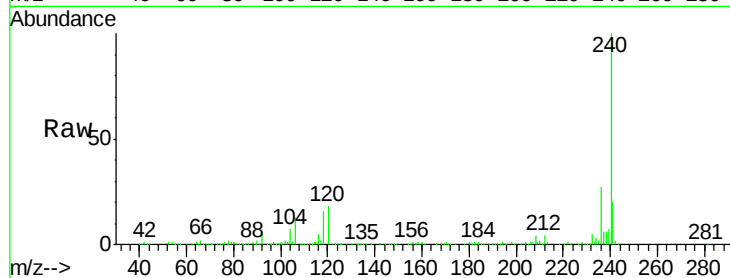
Tot Ion:240 Resp: 616986

Ion Ratio Lower Upper

240 100

120 18.2 9.8 14.8#

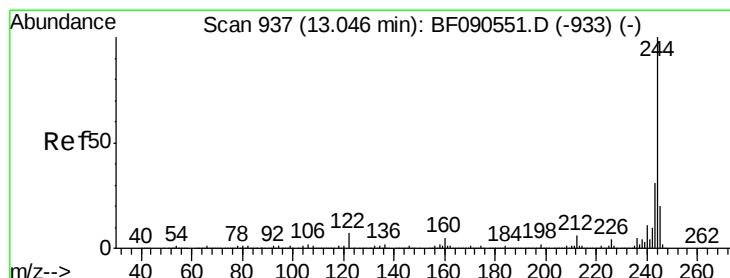
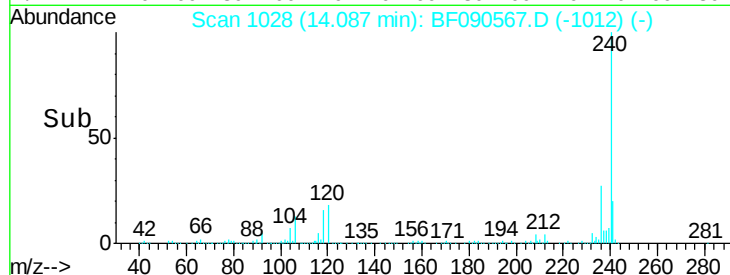
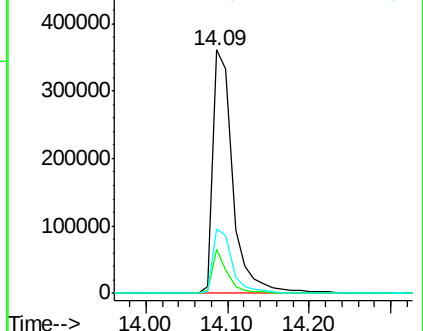
236 26.7 21.7 32.5



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



#78

Terphenyl-d14

Concen: 45.80 ng

RT: 13.04 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF090567.D

Acq: 14 Oct 2016 13:50

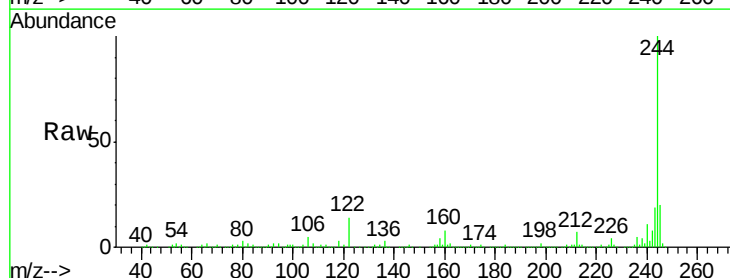
Tgt Ion:244 Resp: 1213501

Ion Ratio Lower Upper

244 100

212 7.1 5.0 7.4

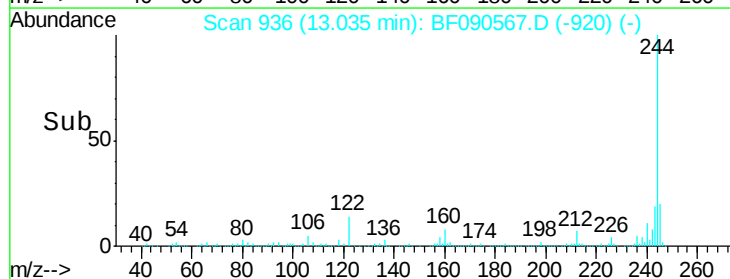
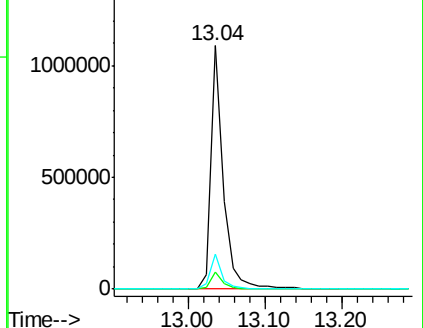
122 14.3 5.6 8.4#

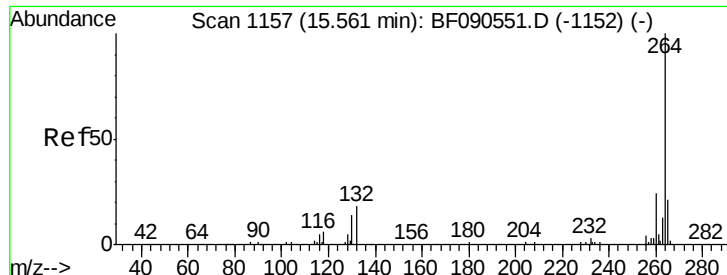


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.55 min Scan# 1156  
Delta R.T. -0.01 min  
Lab File: BF090567.D  
Acq: 14 Oct 2016 13:50

Instrument :  
BNA\_F  
ClientSampleId :  
15M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.3  | 28.9  |
| 265     | 21.6  | 16.7  | 25.1  |

