

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\  
 Data File : BF088649.D  
 Acq On : 3 Jul 2016 15:04  
 Operator : UM/SJ  
 Sample : H3837-08  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C1.2-6

Quant Time: Jul 04 05:49:42 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 30 18:01:55 2016  
 Response via : Initial Calibration

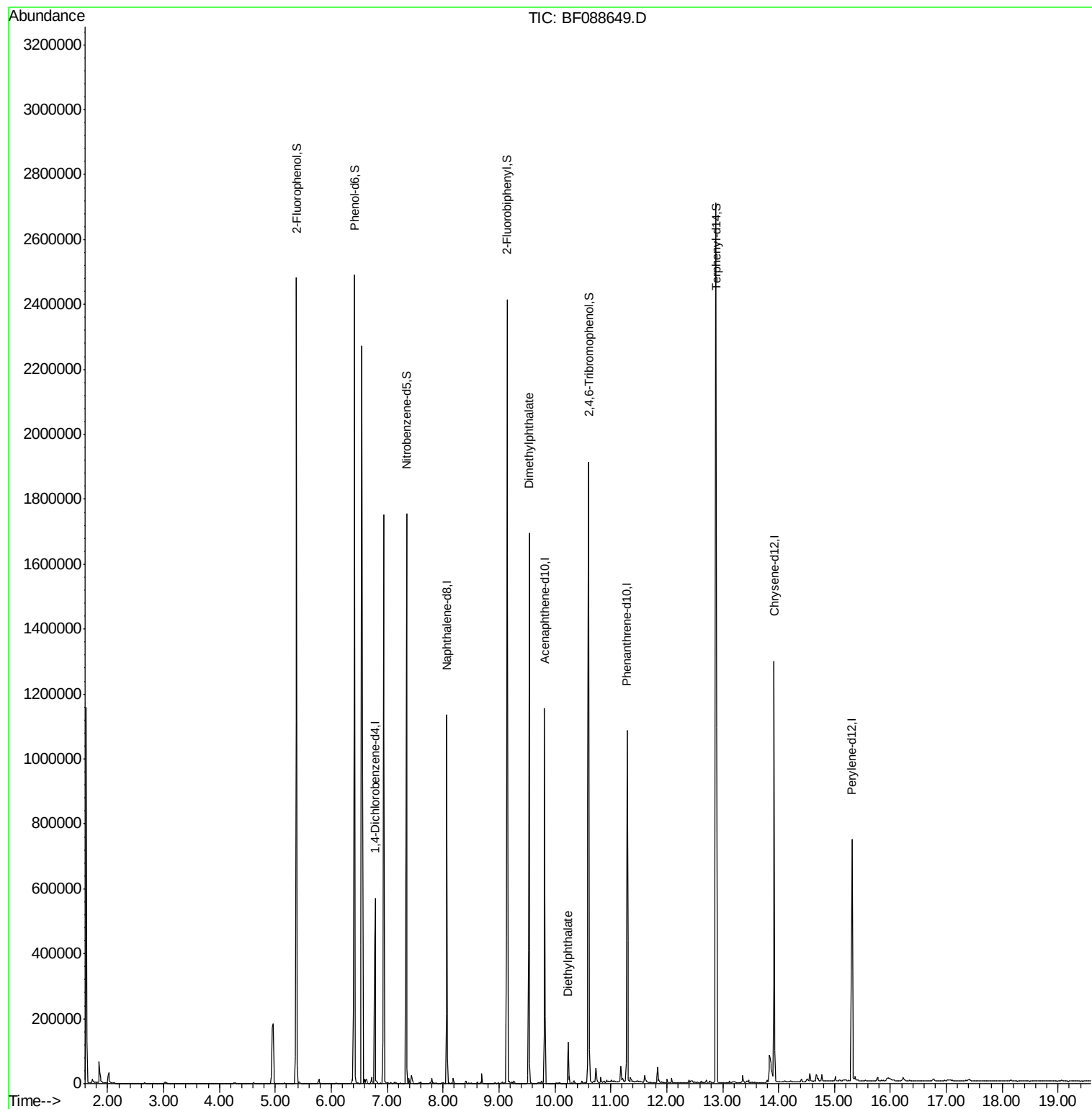
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 111328   | 20.00  | ng    | -0.02         |
| 21) Naphthalene-d8          | 8.07  | 136  | 471313   | 20.00  | ng    | -0.03         |
| 38) Acenaphthene-d10        | 9.82  | 164  | 212514   | 20.00  | ng    | -0.03         |
| 63) Phenanthrene-d10        | 11.29 | 188  | 417109   | 20.00  | ng    | -0.03         |
| 75) Chrysene-d12            | 13.92 | 240  | 370955   | 20.00  | ng    | -0.03         |
| 86) Perylene-d12            | 15.31 | 264  | 310161   | 20.00  | ng    | -0.03         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.38  | 112  | 716390   | 96.44  | ng    | -0.02         |
| 7) Phenol-d6                | 6.42  | 99   | 1017655  | 106.02 | ng    | -0.02         |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 628482   | 69.88  | ng    | -0.03         |
| 41) 2,4,6-Tribromophenol    | 10.60 | 330  | 225871   | 114.46 | ng    | -0.03         |
| 44) 2-Fluorobiphenyl        | 9.14  | 172  | 1053119  | 78.28  | ng    | -0.03         |
| 78) Terphenyl-d14           | 12.88 | 244  | 982327   | 58.98  | ng    | -0.03         |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 9.54  | 163  | 624687   | 41.26  | ng    | Qvalue<br>100 |
| 59) Diethylphthalate        | 10.24 | 149  | 42509    | 2.80   | ng    | 99            |

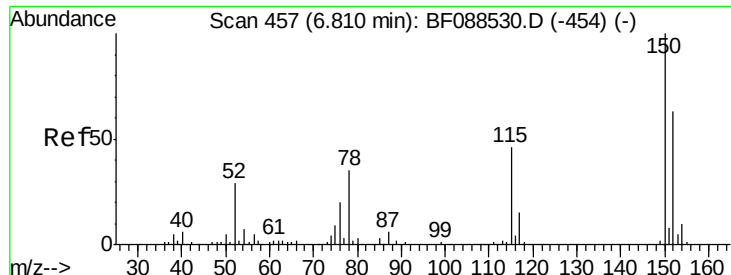
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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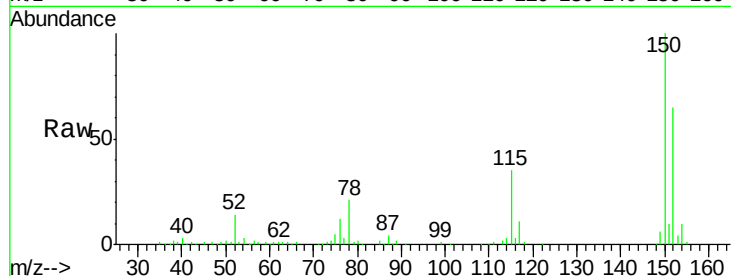


#1

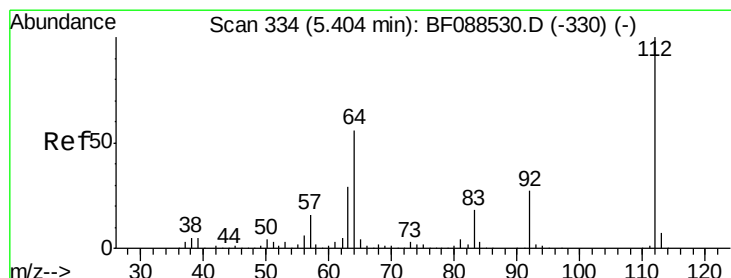
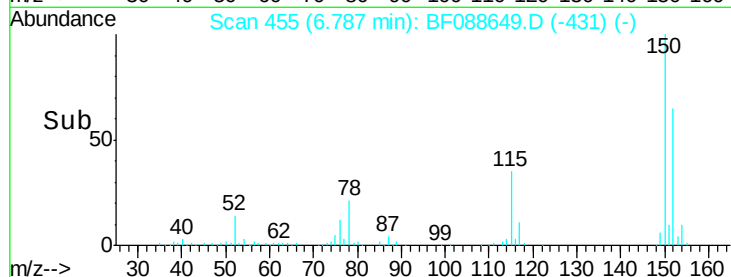
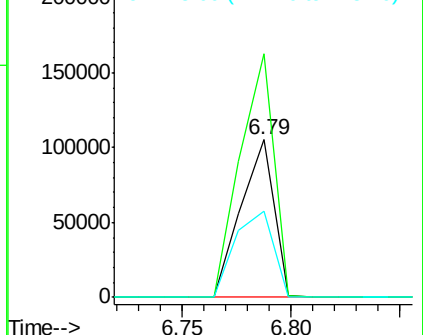
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.79 min Scan# 455  
Delta R.T. -0.02 min  
Lab File: BF088649.D  
Acq: 3 Jul 2016 15:04

Instrument :  
BNA\_F  
ClientSampleId :  
C1.2-6

Tot Ion:152 Resp: 111328  
Ion Ratio Lower Upper  
152 100  
150 154.6 123.8 185.6  
115 54.6 39.6 59.4



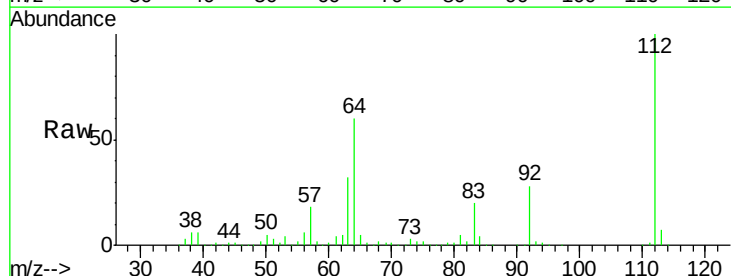
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



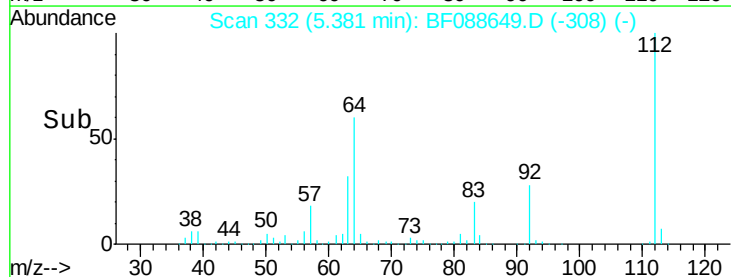
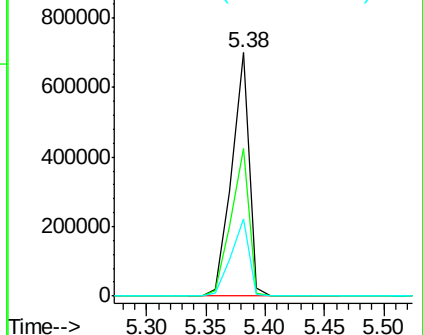
#5

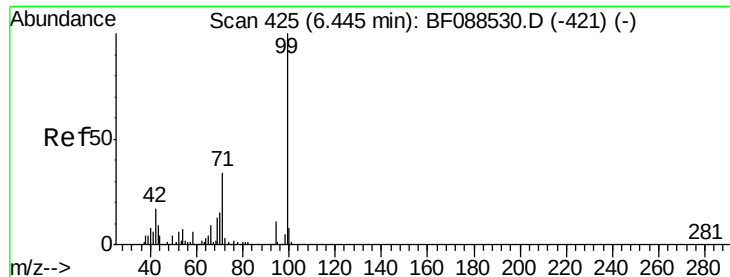
2-Fluorophenol  
Concen: 96.44 ng  
RT: 5.38 min Scan# 332  
Delta R.T. -0.02 min  
Lab File: BF088649.D  
Acq: 3 Jul 2016 15:04

Tgt Ion:112 Resp: 716390  
Ion Ratio Lower Upper  
112 100  
64 60.4 42.2 63.2  
63 31.7 21.8 32.8



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: 106.02 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088649.D

Acq: 3 Jul 2016 15:04

Instrument :

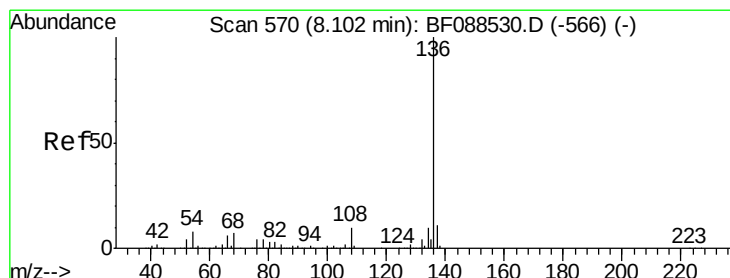
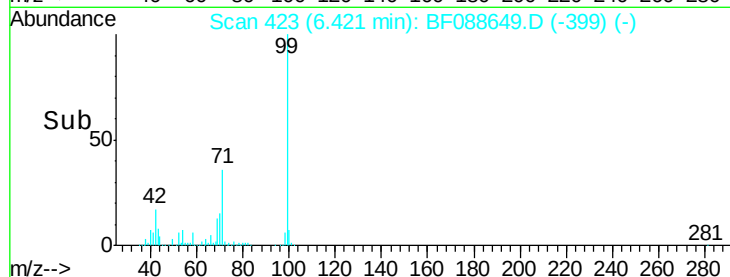
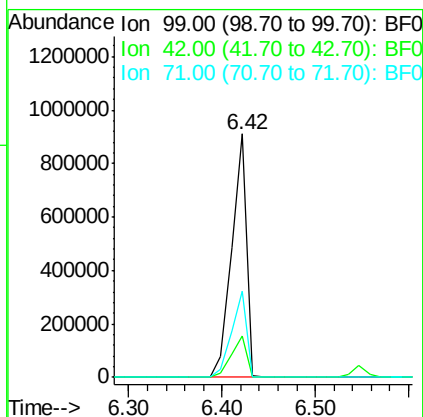
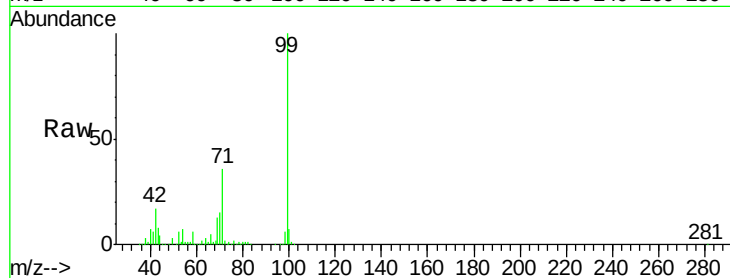
BNA\_F

ClientSampleId :

C1.2-6

Tot Ion: 99 Resp: 1017655

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.1  | 12.2  | 18.2  |
| 71  | 35.6  | 23.4  | 35.0# |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

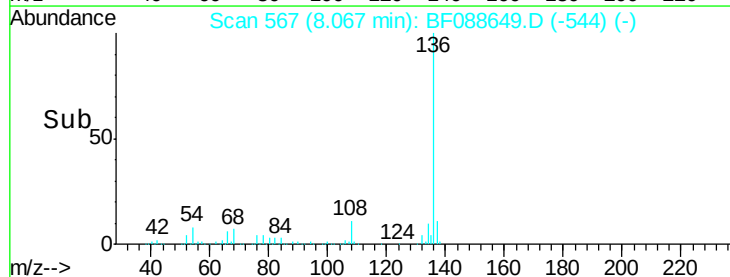
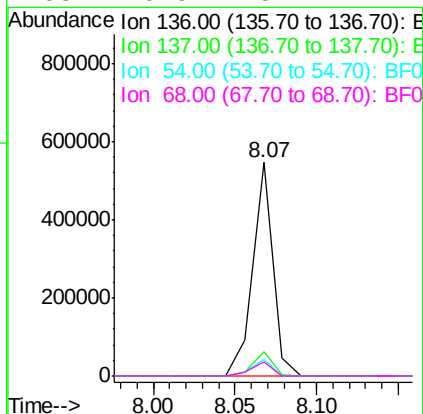
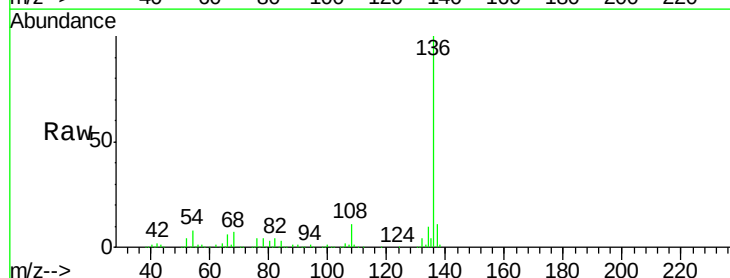
Delta R.T. -0.03 min

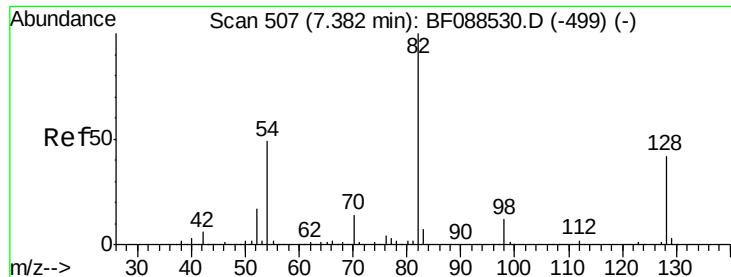
Lab File: BF088649.D

Acq: 3 Jul 2016 15:04

Tgt Ion: 136 Resp: 471313

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 9.1   | 13.7  |
| 54  | 8.0   | 6.6   | 10.0  |
| 68  | 6.9   | 5.1   | 7.7   |

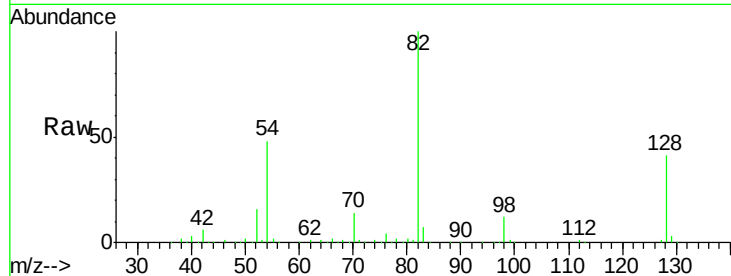




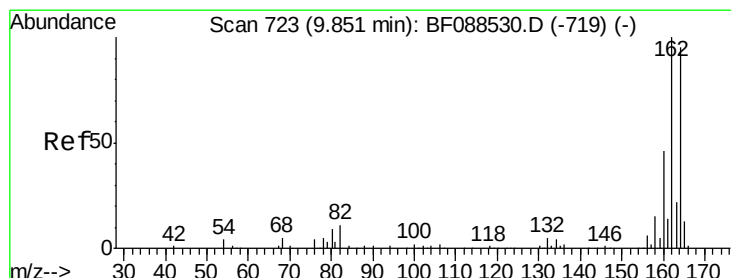
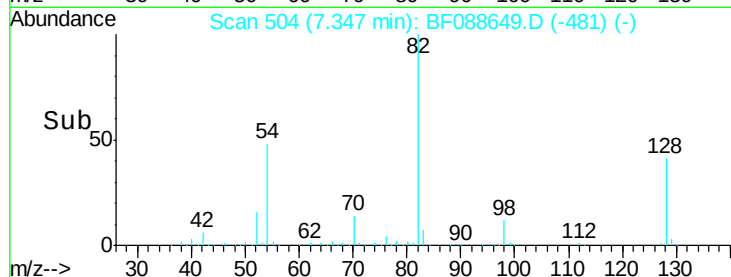
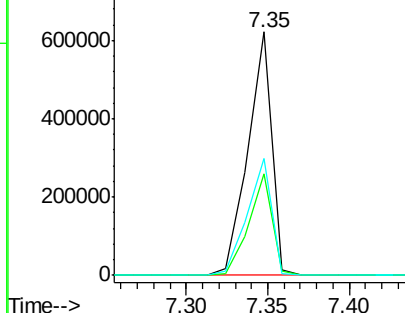
#23  
 Nitrobenzene-d5  
 Concen: 69.88 ng  
 RT: 7.35 min Scan# 504  
 Delta R.T. -0.03 min  
 Lab File: BF088649.D  
 Acq: 3 Jul 2016 15:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C1.2-6

| Tot Ion   | 82    | Resp  | 628482 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.4  | 35.9  | 53.9   |
| 54        | 48.1  | 40.9  | 61.3   |

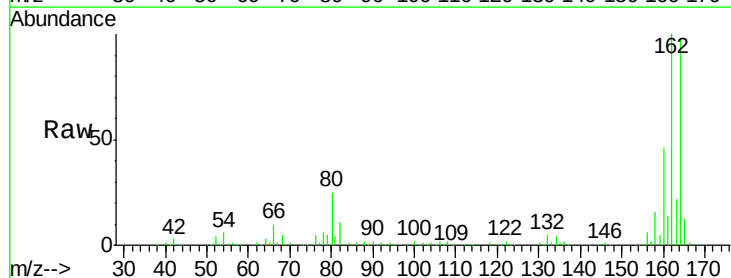


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

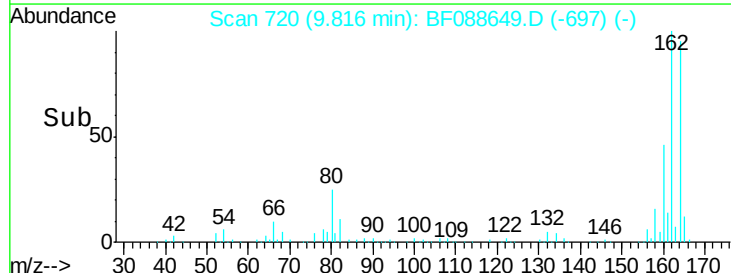
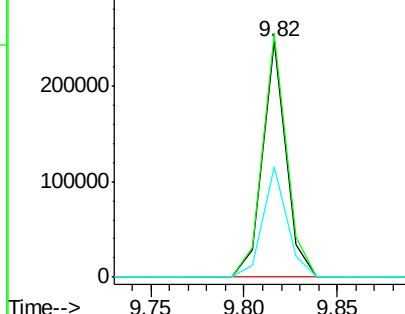


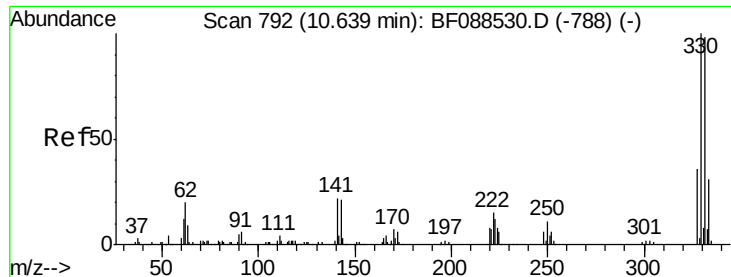
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.82 min Scan# 720  
 Delta R.T. -0.03 min  
 Lab File: BF088649.D  
 Acq: 3 Jul 2016 15:04

| Tgt Ion   | 164   | Resp  | 212514 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.5 | 85.4  | 128.2  |
| 160       | 47.2  | 39.5  | 59.3   |



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

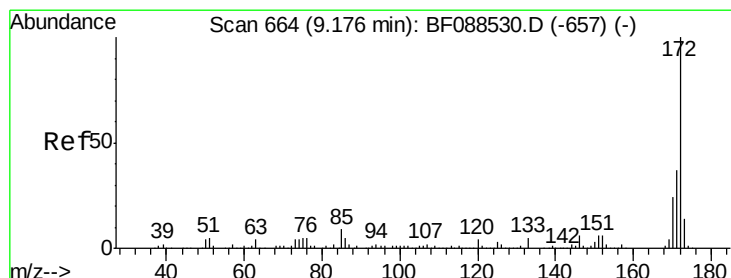
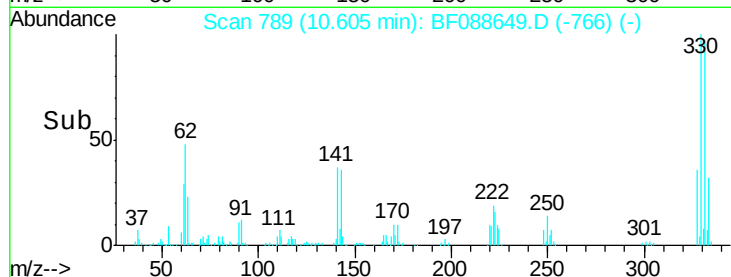
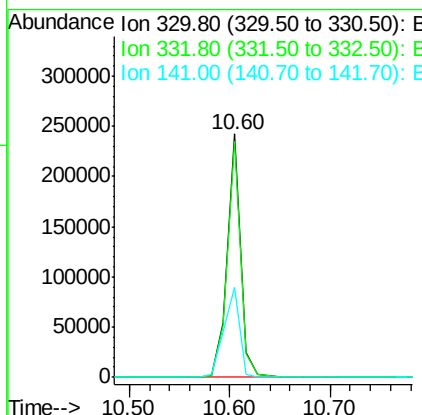
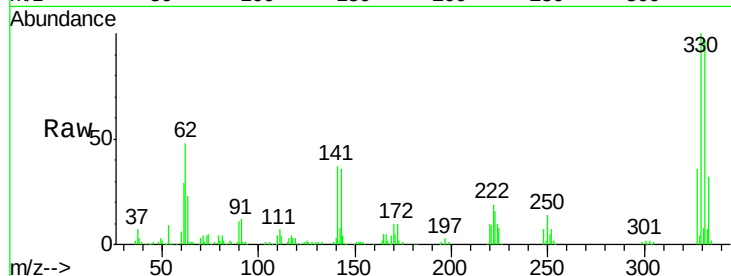




#41  
 2,4,6-Tribromophenol  
 Concen: 114.46 ng  
 RT: 10.60 min Scan# 789  
 Delta R.T. -0.03 min  
 Lab File: BF088649.D  
 Acq: 3 Jul 2016 15:04

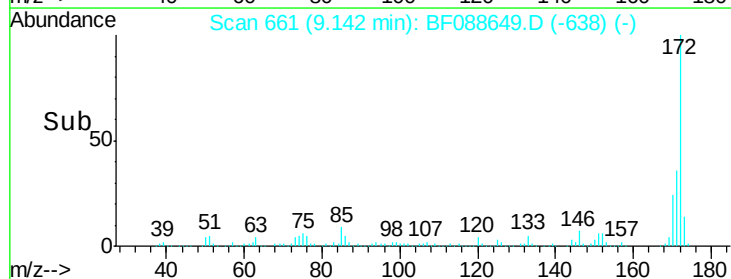
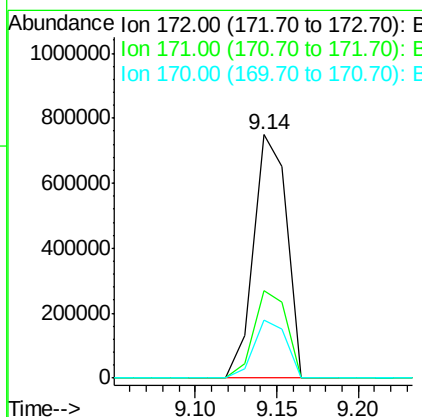
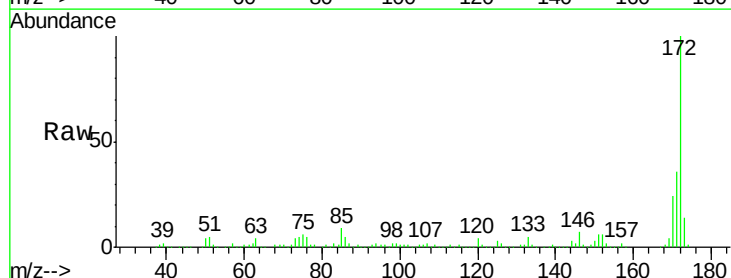
Instrument :  
 BNA\_F  
 ClientSampleId :  
 C1.2-6

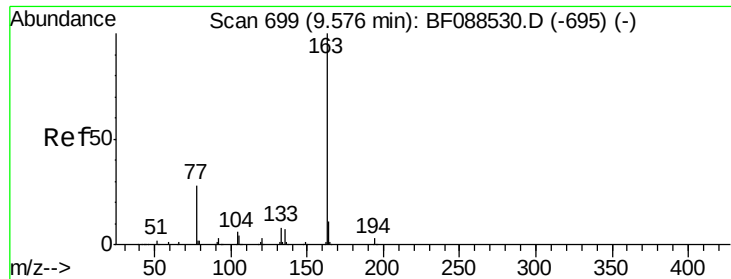
Tot Ion:330 Resp: 225871  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 0.0 0.0#  
 141 43.2 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 78.28 ng  
 RT: 9.14 min Scan# 661  
 Delta R.T. -0.03 min  
 Lab File: BF088649.D  
 Acq: 3 Jul 2016 15:04

Tgt Ion:172 Resp: 1053119  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.6 43.0  
 170 23.9 19.2 28.8

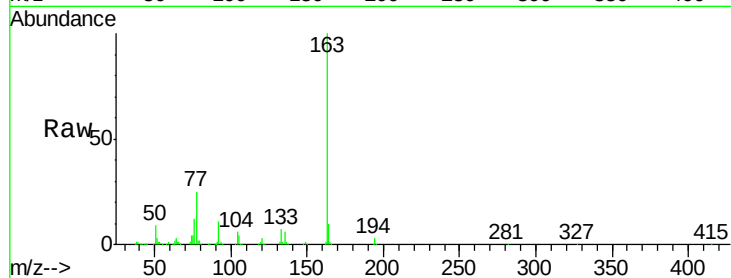




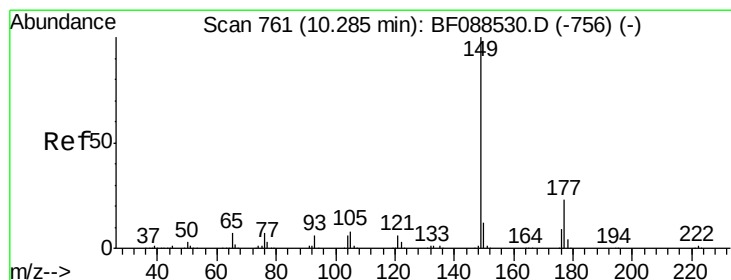
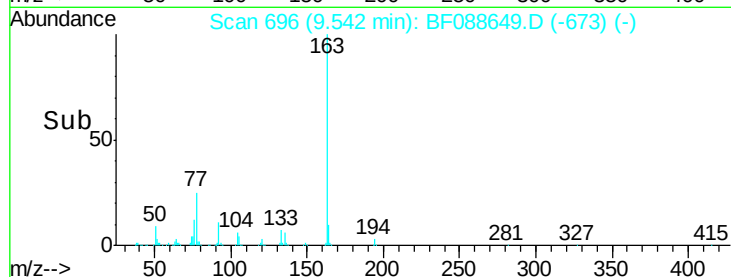
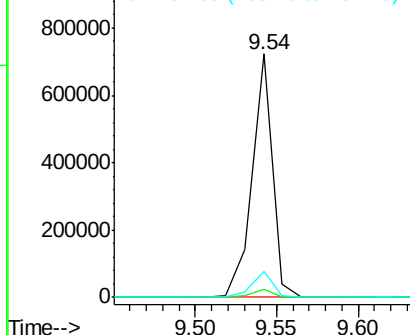
#49  
Dimethylphthalate  
Concen: 41.26 ng  
RT: 9.54 min Scan# 696  
Delta R.T. -0.03 min  
Lab File: BF088649.D  
Acq: 3 Jul 2016 15:04

Instrument :  
BNA\_F  
ClientSampleId :  
C1.2-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.4   | 2.8   | 4.2   |
| 164     | 10.4  | 8.3   | 12.5  |

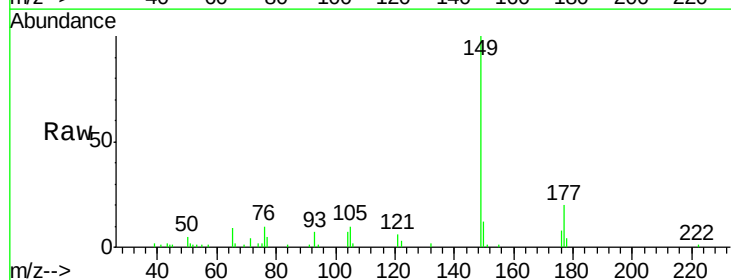


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

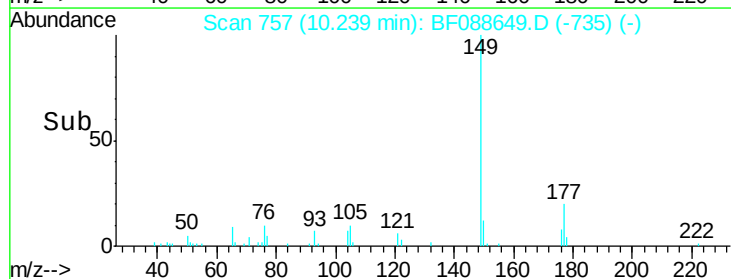
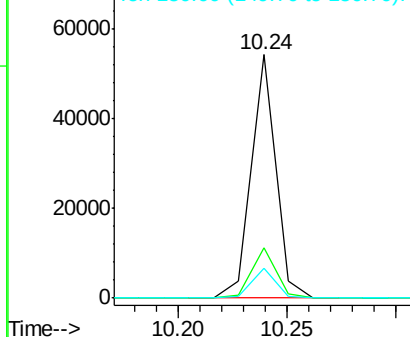


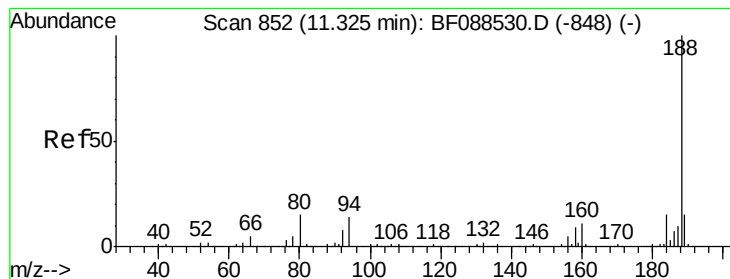
#59  
Diethylphthalate  
Concen: 2.80 ng  
RT: 10.24 min Scan# 757  
Delta R.T. -0.05 min  
Lab File: BF088649.D  
Acq: 3 Jul 2016 15:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 20.4  | 16.9  | 25.3  |
| 150     | 12.2  | 10.1  | 15.1  |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 849

Delta R.T. -0.03 min

Lab File: BF088649.D

Acq: 3 Jul 2016 15:04

Instrument :

BNA\_F

ClientSampleId :

C1.2-6

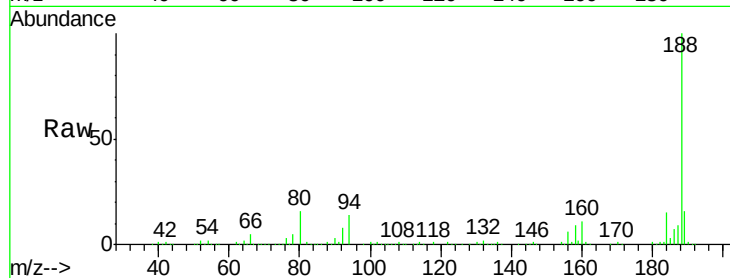
Tot Ion:188 Resp: 417109

Ion Ratio Lower Upper

188 100

94 13.7 9.0 13.6#

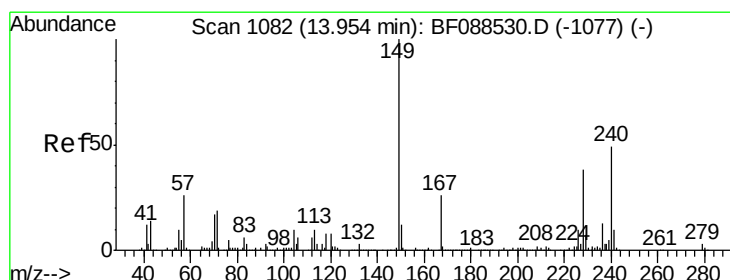
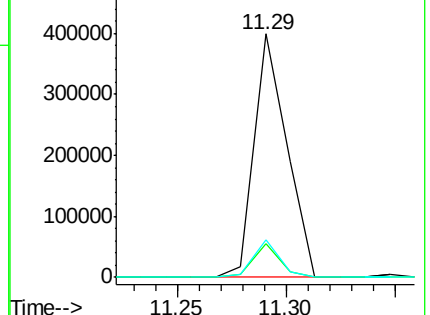
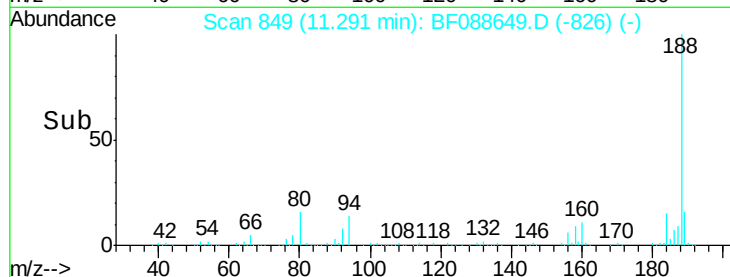
80 15.6 10.0 15.0#



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: 13.92 min Scan# 1079

Delta R.T. -0.03 min

Lab File: BF088649.D

Acq: 3 Jul 2016 15:04

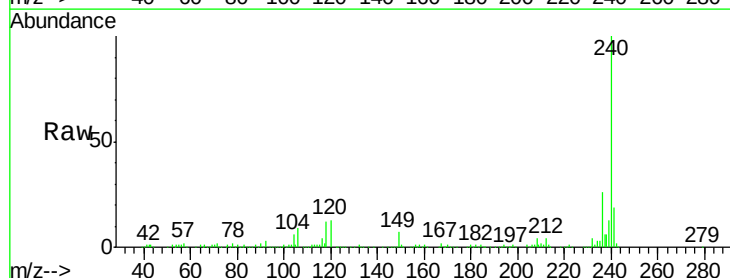
Tgt Ion:240 Resp: 370955

Ion Ratio Lower Upper

240 100

120 12.8 6.8 10.2#

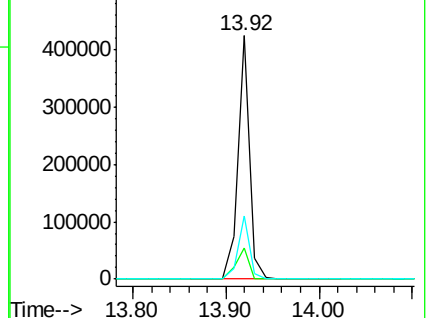
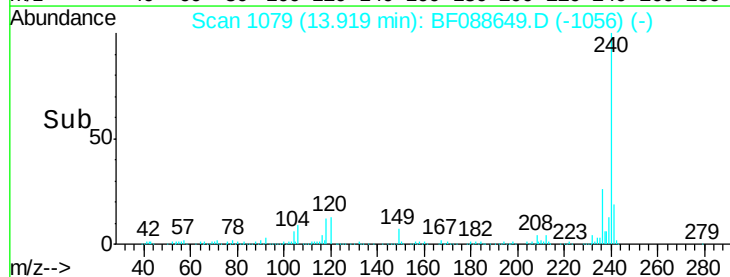
236 26.1 20.2 30.2



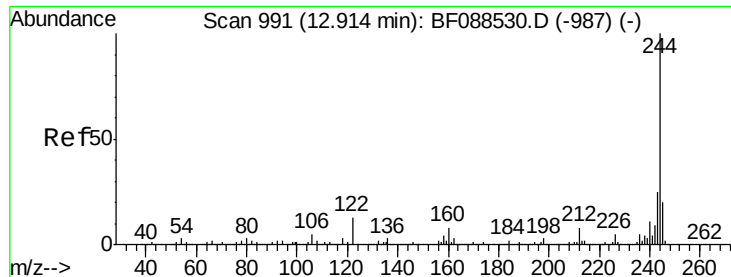
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 58.98 ng

RT: 12.88 min Scan# 988

Delta R.T. -0.03 min

Lab File: BF088649.D

Acq: 3 Jul 2016 15:04

Instrument :

BNA\_F

ClientSampled :

C1.2-6

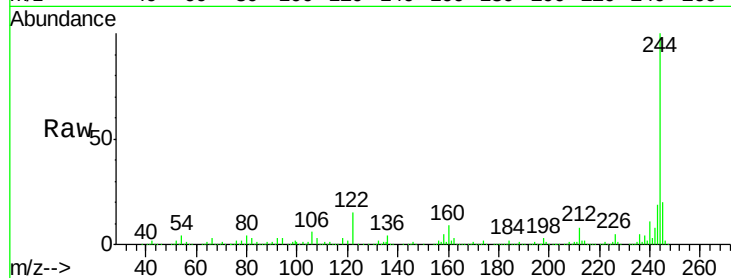
Tot Ion:244 Resp: 982327

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

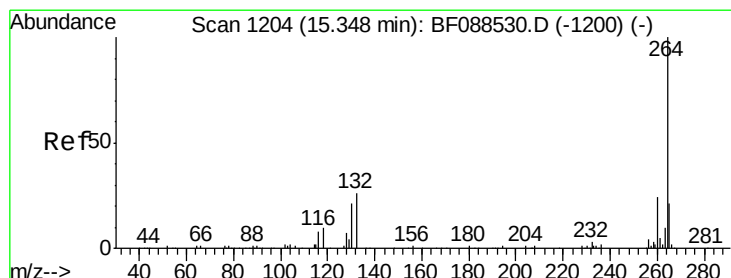
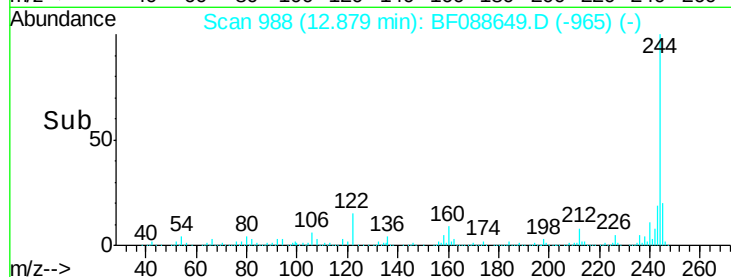
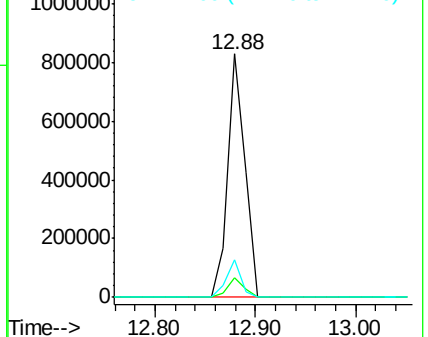
122 15.3 11.2 16.8



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: 20.00 ng

RT: 15.31 min Scan# 1201

Delta R.T. -0.03 min

Lab File: BF088649.D

Acq: 3 Jul 2016 15:04

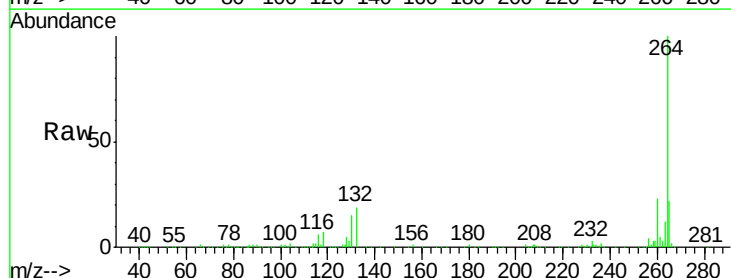
Tgt Ion:264 Resp: 310161

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.5 16.9 25.3



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

