

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071416\  
 Data File : BF088998.D  
 Acq On : 14 Jul 2016 21:20  
 Operator : UM/SJ  
 Sample : H3996-11  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U2-B2(6-12)C

Quant Time: Jul 15 01:18:37 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 11 18:13:32 2016  
 Response via : Initial Calibration

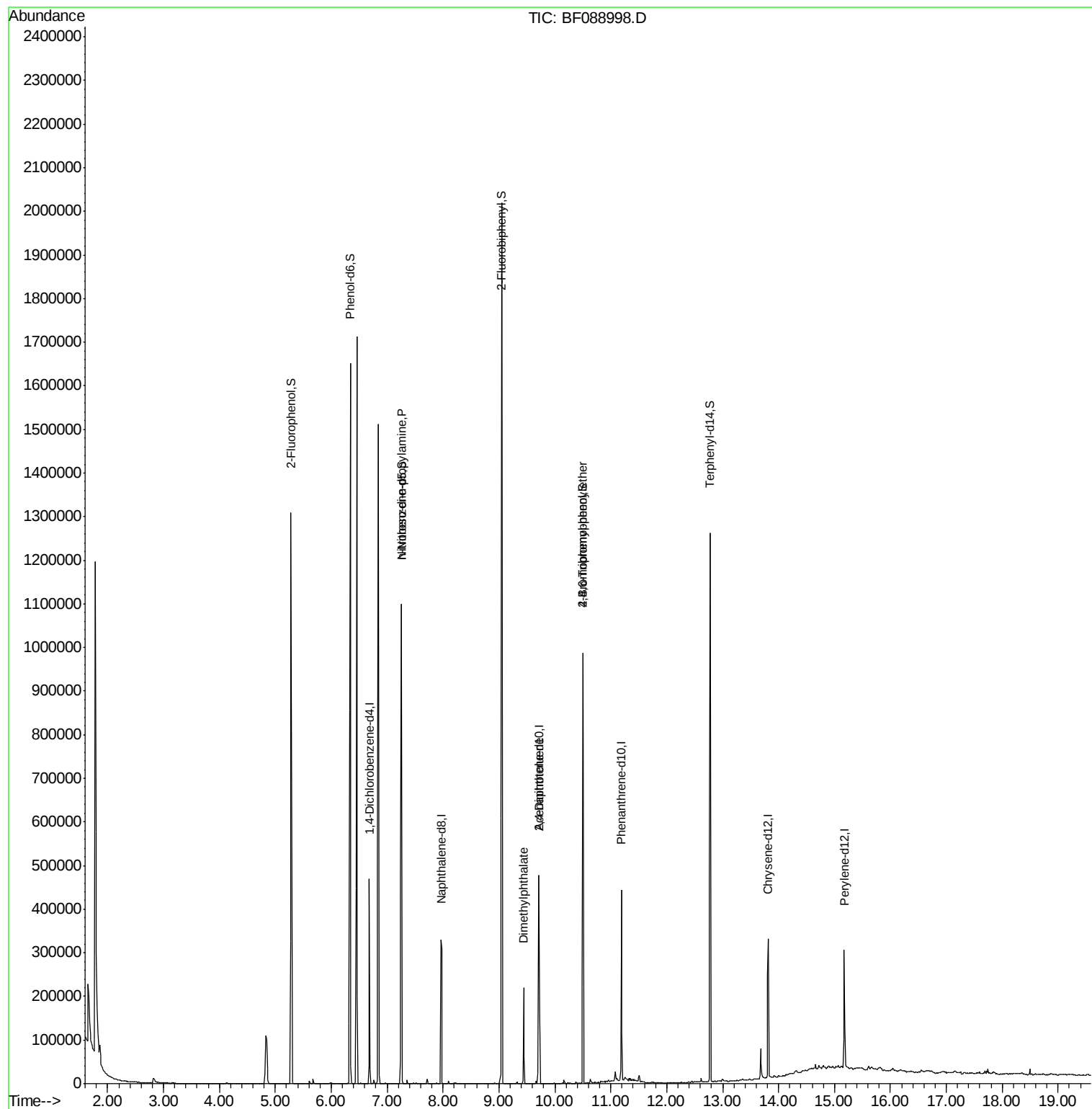
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.68  | 152  | 60746    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.98  | 136  | 222780   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.71  | 164  | 93055    | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10           | 11.19 | 188  | 152875   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 13.82 | 240  | 126545   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 15.18 | 264  | 102526   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.28  | 112  | 468438   | 115.57 | ng    | -0.01    |
| 7) Phenol-d6                   | 6.34  | 99   | 627957   | 119.90 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 394594   | 92.82  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.50 | 330  | 84517    | 97.81  | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 9.05  | 172  | 598574   | 101.61 | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.78 | 244  | 380404   | 66.96  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 55087    | 15.66  | ng    | # 72     |
| 49) Dimethylphthalate          | 9.44  | 163  | 87374    | 13.18  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.71  | 165  | 12364    | 6.44   | ng    | # 36     |
| 66) 4-Bromophenyl-phenylether  | 10.50 | 248  | 7081     | 4.60   | ng    | # 1      |

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

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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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U2-B2(6-12)C

Quant Time: Jul 15 01:18:37 2016  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 11 18:13:32 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF088998.D

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Instrument :

BNA\_F

ClientSampleId :

U2-B2(6-12)C

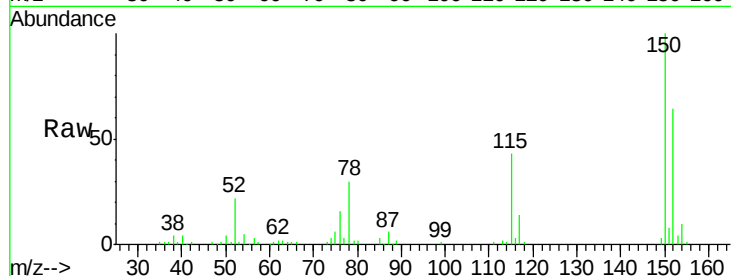
Tgt Ion:152 Resp: 60746

Ion Ratio Lower Upper

152 100

150 156.3 123.8 185.6

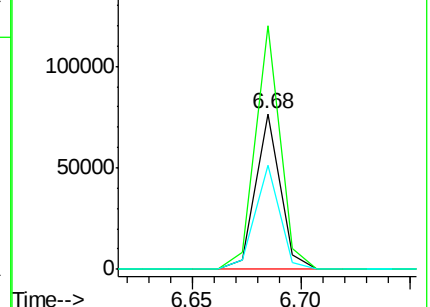
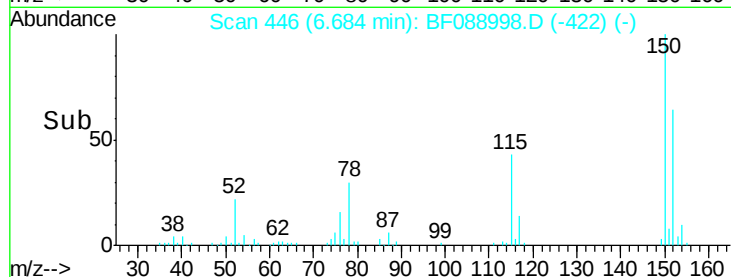
115 67.2 39.6 59.4#



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: 115.57 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.01 min

Lab File: BF088998.D

Acq: 14 Jul 2016 21:20

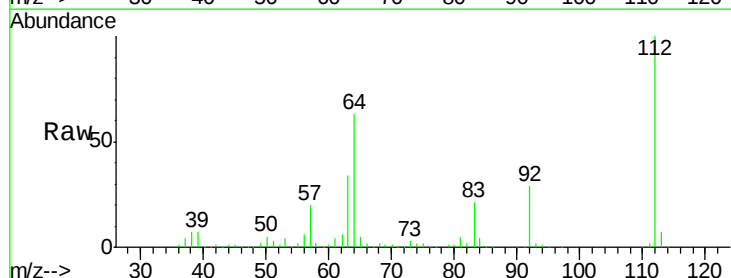
Tgt Ion:112 Resp: 468438

Ion Ratio Lower Upper

112 100

64 62.6 42.2 63.2

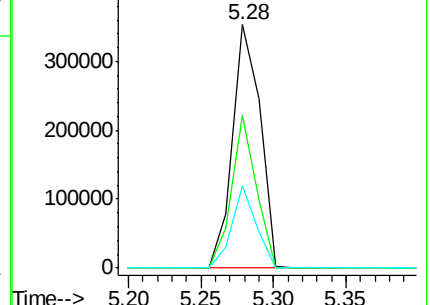
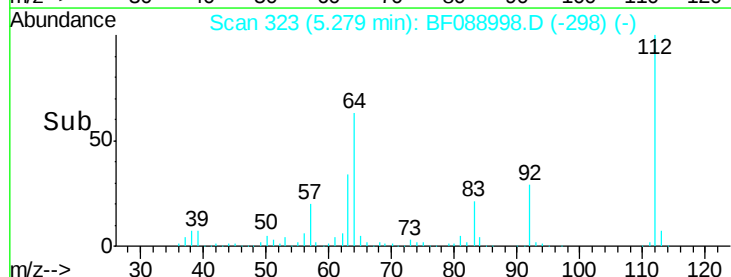
63 33.8 21.8 32.8#



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: 119.90 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088998.D

Acq: 14 Jul 2016 21:20

Instrument :

BNA\_F

ClientSampleId :

U2-B2(6-12)C

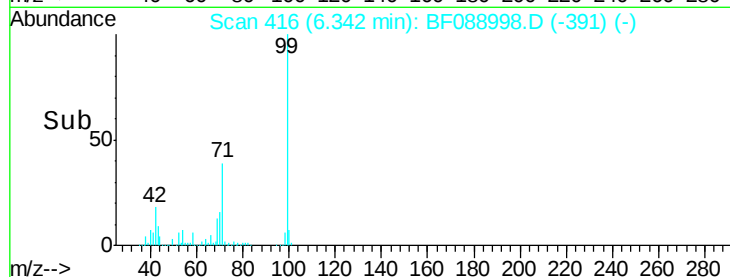
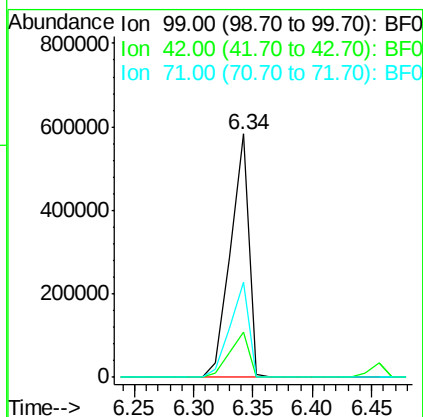
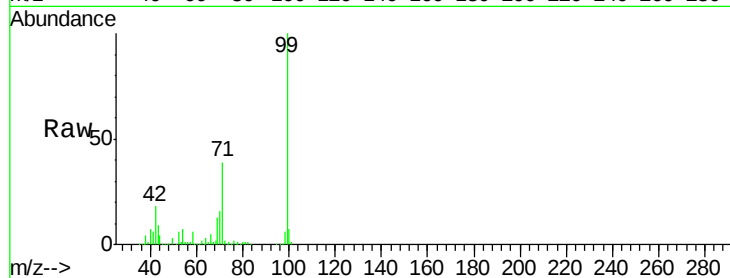
Tgt Ion: 99 Resp: 627957

Ion Ratio Lower Upper

99 100

42 18.4 12.2 18.2#

71 38.9 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 15.66 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.11 min

Lab File: BF088998.D

Acq: 14 Jul 2016 21:20

Tgt Ion: 70 Resp: 55087

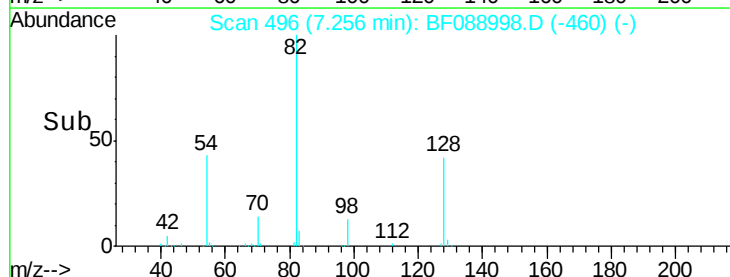
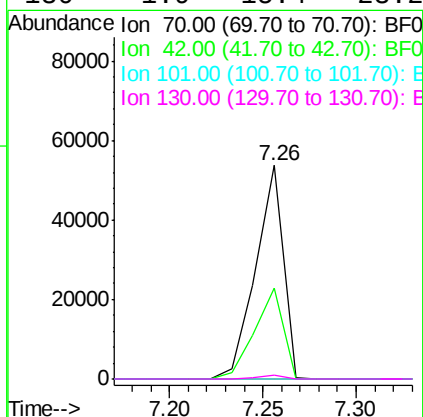
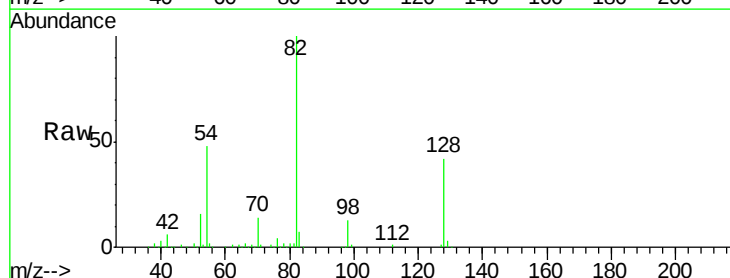
Ion Ratio Lower Upper

70 100

42 42.9 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF088998.D

Acq: 14 Jul 2016 21:20

Instrument :

BNA\_F

ClientSampleId :

U2-B2(6-12)C

Tgt Ion:136 Resp: 222780

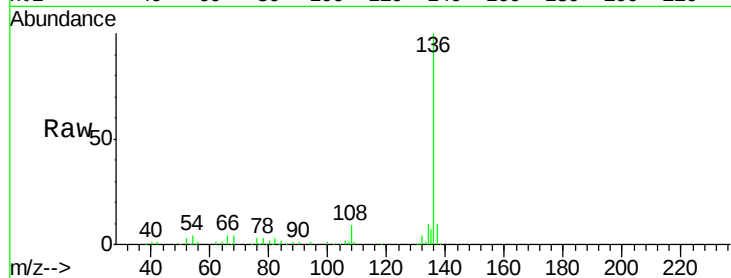
Ion Ratio Lower Upper

136 100

137 9.9 9.1 13.7

54 4.3 6.6 10.0#

68 3.6 5.1 7.7#

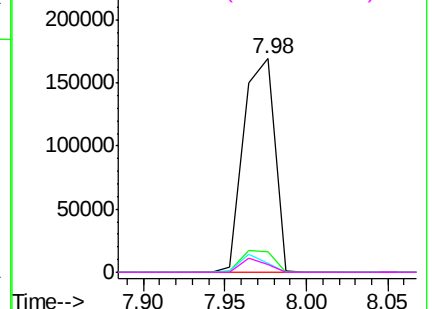
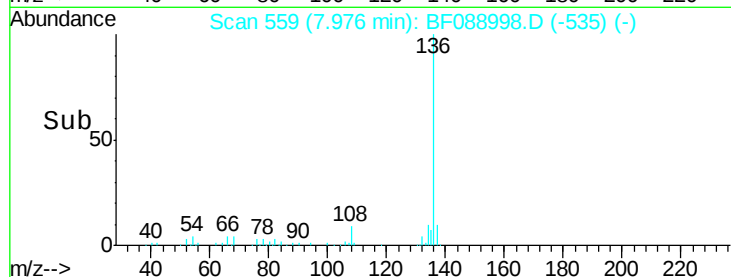


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 92.82 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088998.D

Acq: 14 Jul 2016 21:20

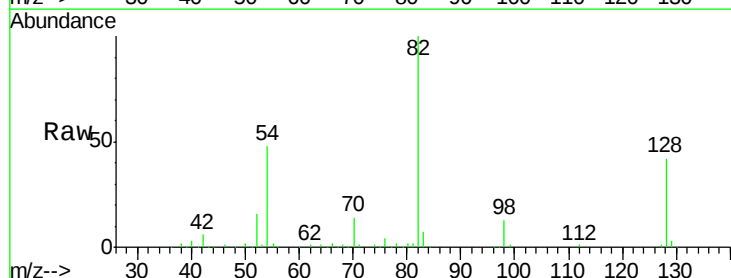
Tgt Ion: 82 Resp: 394594

Ion Ratio Lower Upper

82 100

128 42.4 35.9 53.9

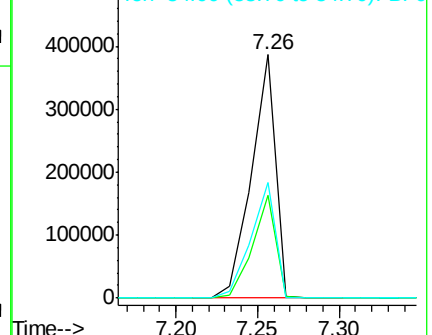
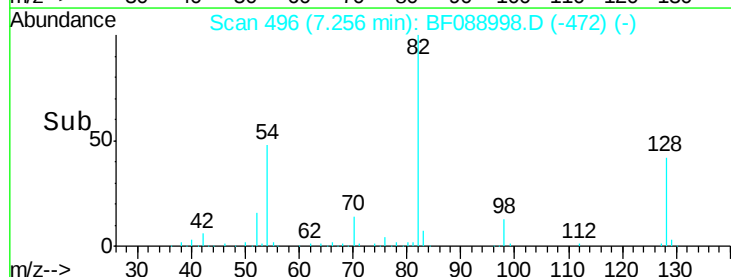
54 47.6 40.9 61.3

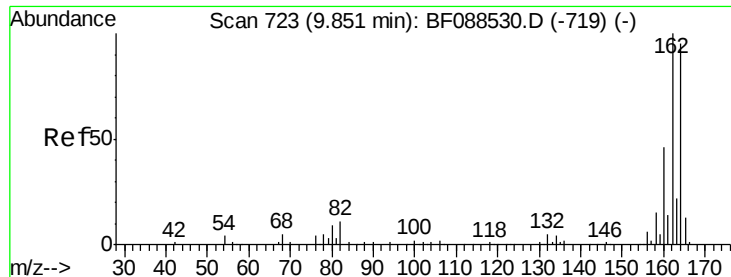


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

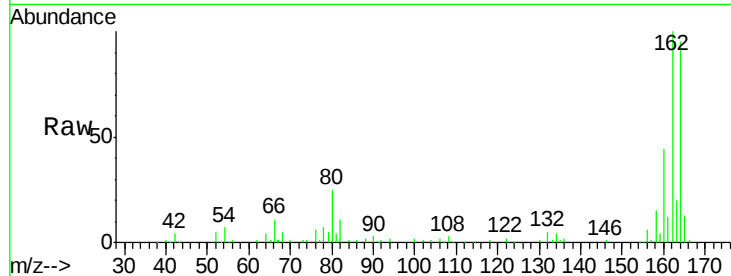




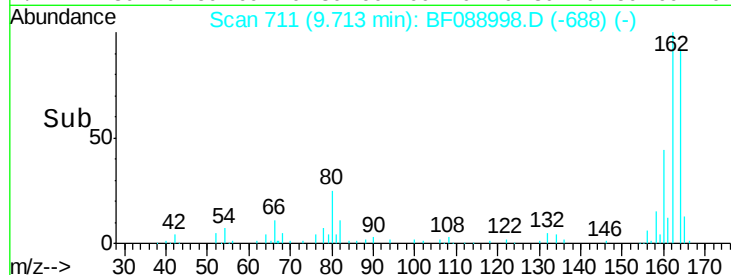
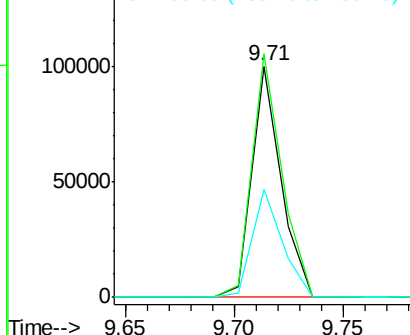
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.71 min Scan# 711  
 Delta R.T. -0.03 min  
 Lab File: BF088998.D  
 Acq: 14 Jul 2016 21:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U2-B2(6-12)C

Tgt Ion:164 Resp: 93055  
 Ion Ratio Lower Upper  
 164 100  
 162 105.2 85.4 128.2  
 160 46.5 39.5 59.3

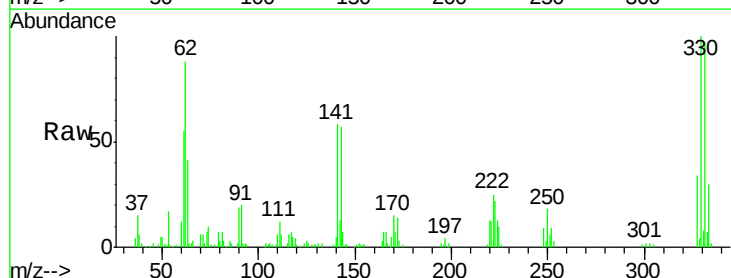


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

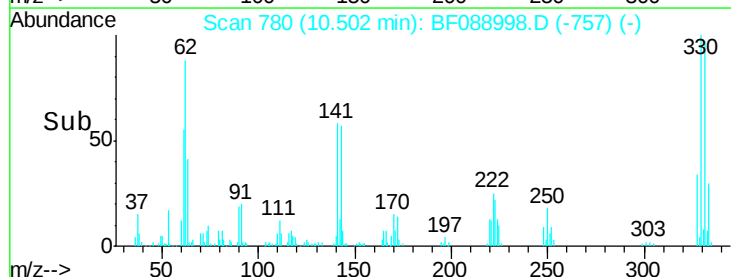
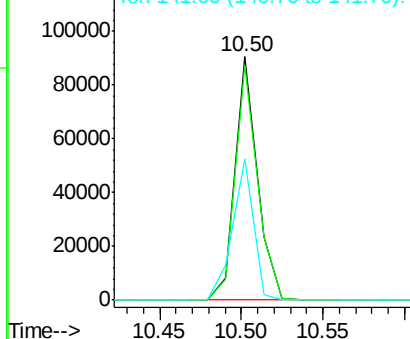


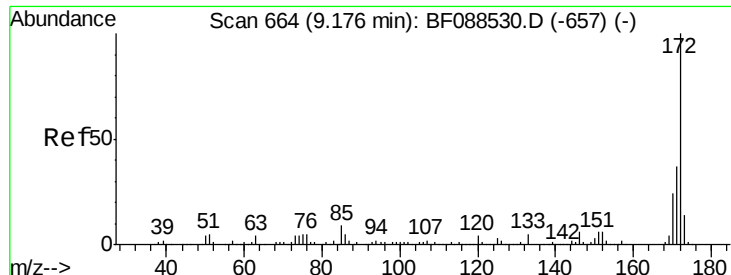
#41  
 2,4,6-Tribromophenol  
 Concen: 97.81 ng  
 RT: 10.50 min Scan# 780  
 Delta R.T. -0.03 min  
 Lab File: BF088998.D  
 Acq: 14 Jul 2016 21:20

Tgt Ion:330 Resp: 84517  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 0.0 0.0#  
 141 55.0 0.0 0.0#



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

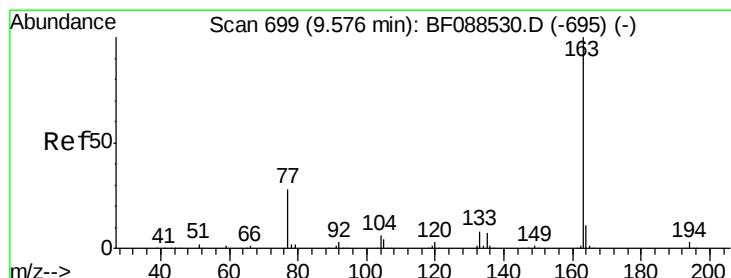
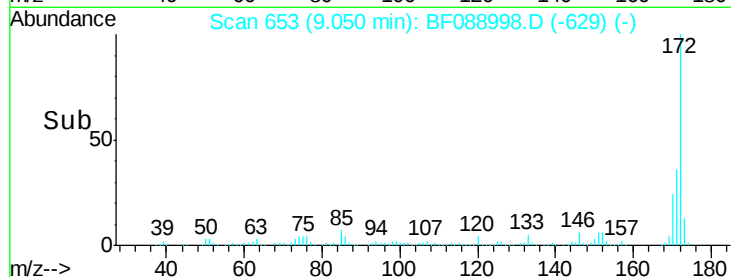
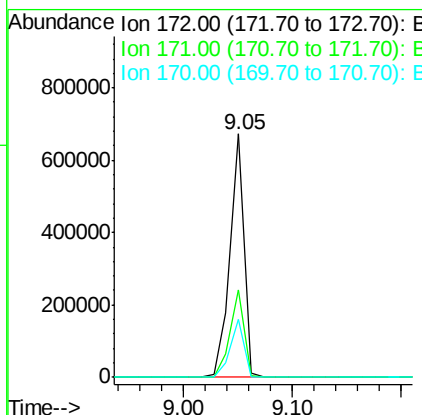
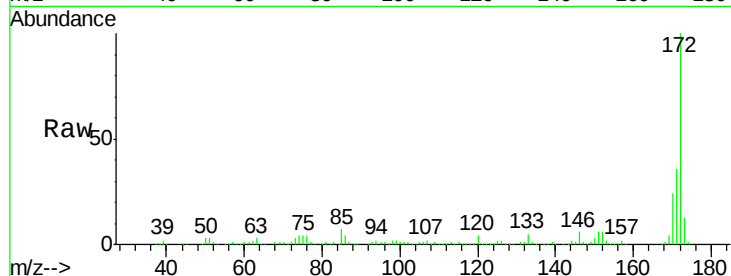




#44  
 2-Fluorobiphenyl  
 Concen: 101.61 ng  
 RT: 9.05 min Scan# 653  
 Delta R.T. -0.02 min  
 Lab File: BF088998.D  
 Acq: 14 Jul 2016 21:20

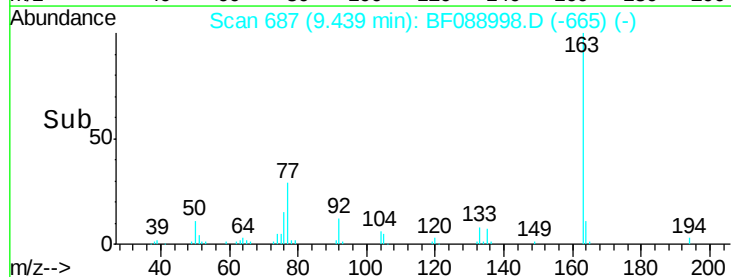
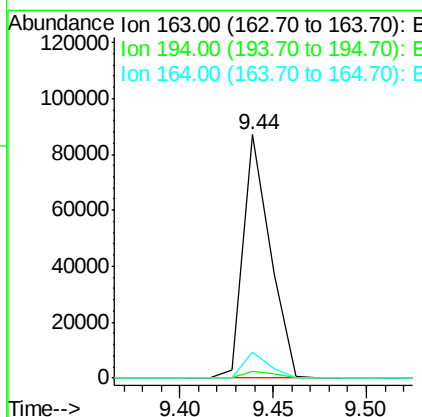
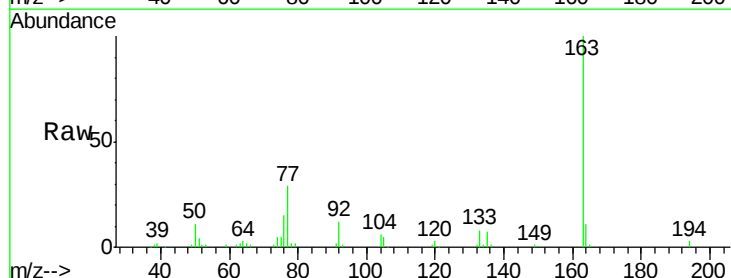
Instrument :  
 BNA\_F  
 ClientSampleId :  
 U2-B2(6-12)C

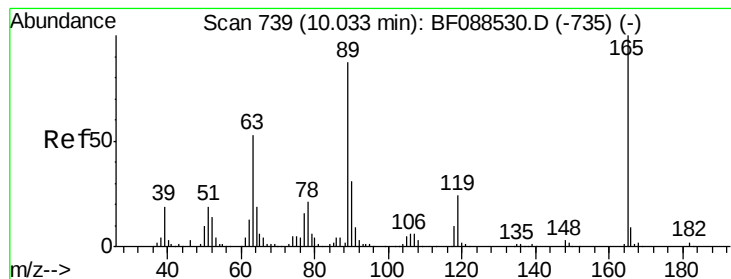
Tgt Ion:172 Resp: 598574  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.6 43.0  
 170 24.0 19.2 28.8



#49  
 Dimethylphthalate  
 Concen: 13.18 ng  
 RT: 9.44 min Scan# 687  
 Delta R.T. -0.05 min  
 Lab File: BF088998.D  
 Acq: 14 Jul 2016 21:20

Tgt Ion:163 Resp: 87374  
 Ion Ratio Lower Upper  
 163 100  
 194 2.9 2.8 4.2  
 164 10.6 8.3 12.5





#56

2,4-Dinitrotoluene

Concen: 6.44 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.23 min

Lab File: BF088998.D

Acq: 14 Jul 2016 21:20

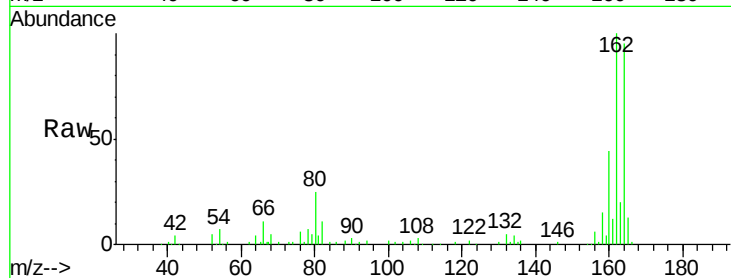
Instrument :

BNA\_F

ClientSampleId :

U2-B2(6-12)C

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 12364 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 22.0  | 33.0# |
| 89       | 0.0   | 41.1  | 61.7# |
| 182      | 0.0   | 2.0   | 3.0#  |

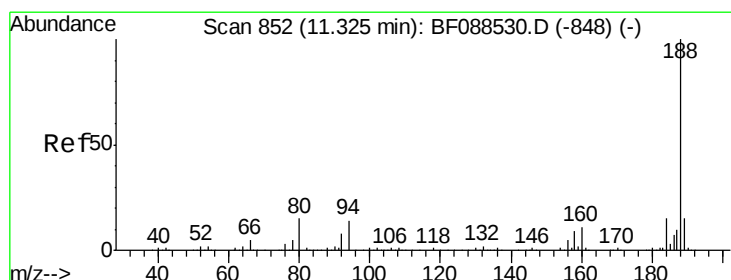
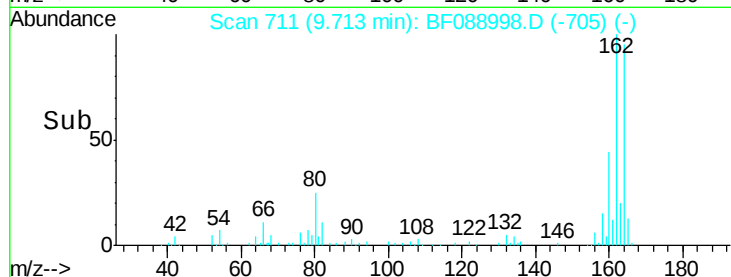
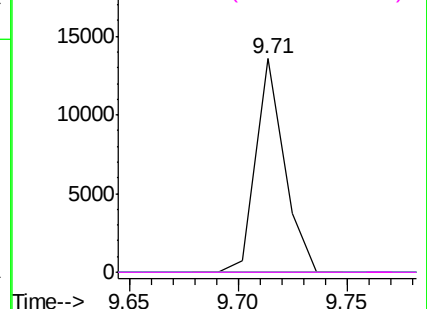


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

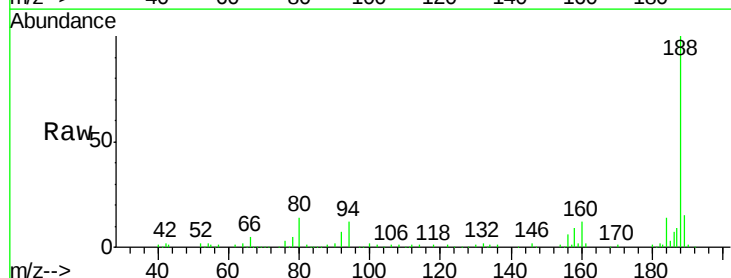
RT: 11.19 min Scan# 840

Delta R.T. -0.03 min

Lab File: BF088998.D

Acq: 14 Jul 2016 21:20

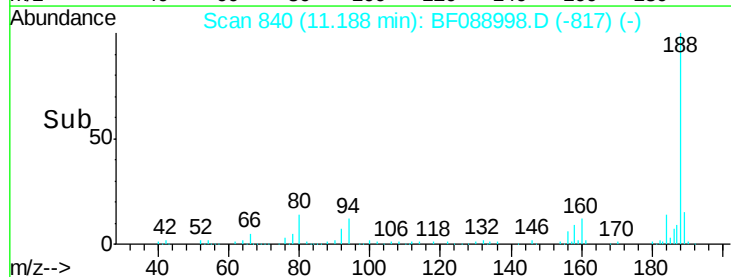
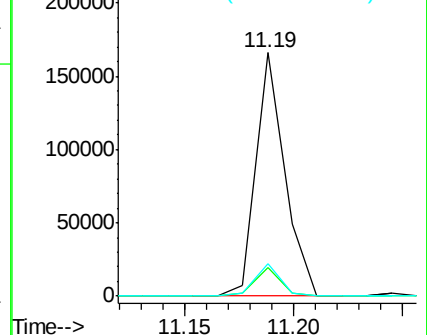
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 152875 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 11.7  | 9.0   | 13.6   |
| 80       | 13.5  | 10.0  | 15.0   |

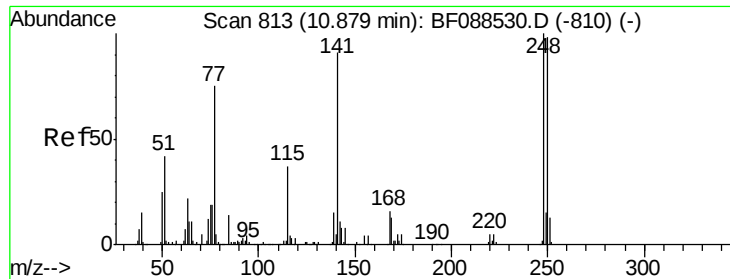


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

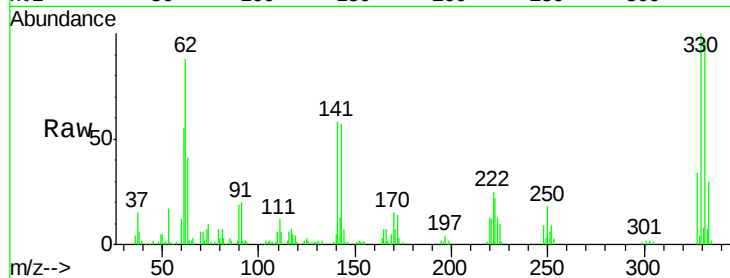




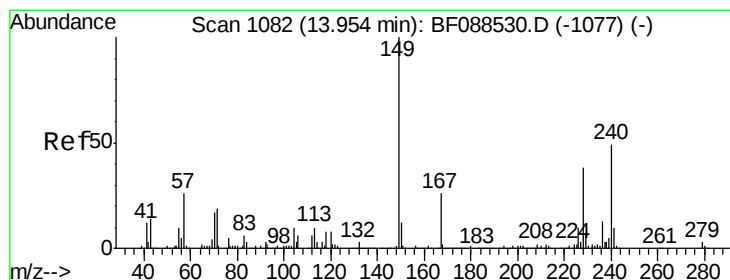
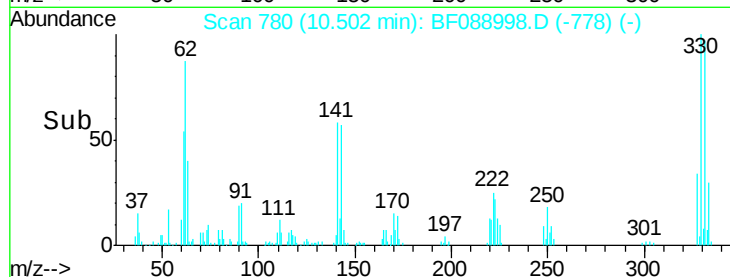
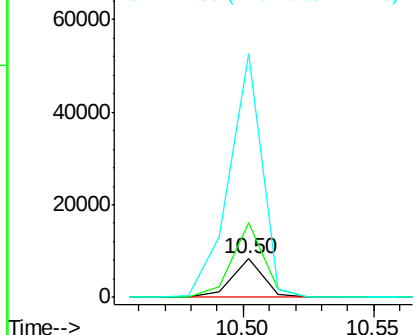
#66  
4-Bromophenyl-phenylether  
Concen: 4.60 ng  
RT: 10.50 min Scan# 780  
Delta R.T. -0.27 min  
Lab File: BF088998.D  
Acq: 14 Jul 2016 21:20

Instrument :  
BNA\_F  
ClientSampleId :  
U2-B2(6-12)C

Tgt Ion:248 Resp: 7081  
Ion Ratio Lower Upper  
248 100  
250 193.9 77.1 115.7#  
141 632.6 50.6 76.0#

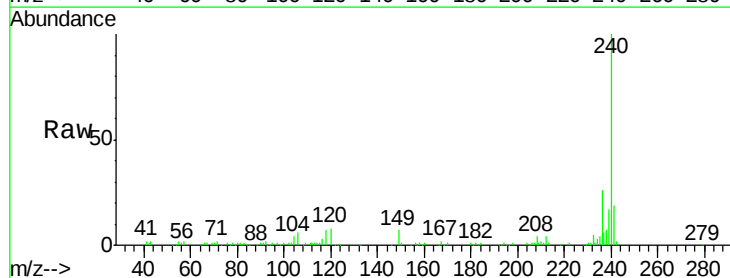


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

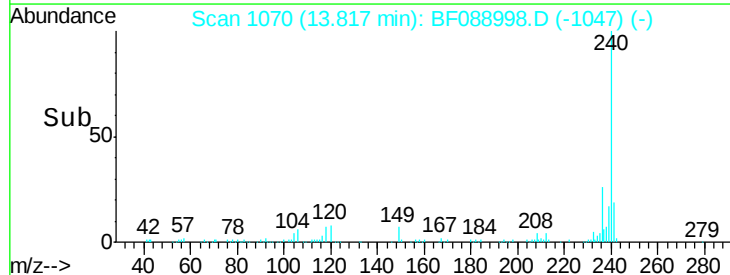
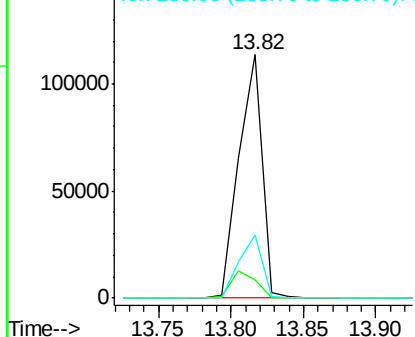


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.82 min Scan# 1070  
Delta R.T. -0.03 min  
Lab File: BF088998.D  
Acq: 14 Jul 2016 21:20

Tgt Ion:240 Resp: 126545  
Ion Ratio Lower Upper  
240 100  
120 7.8 6.8 10.2  
236 25.8 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

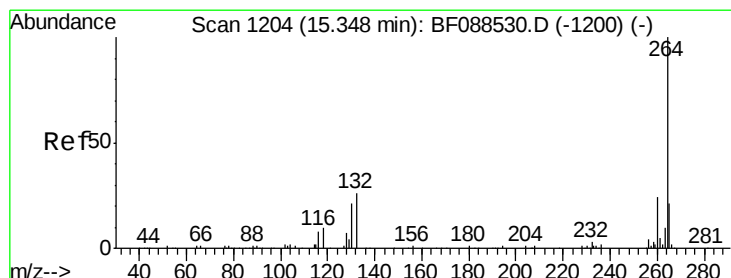
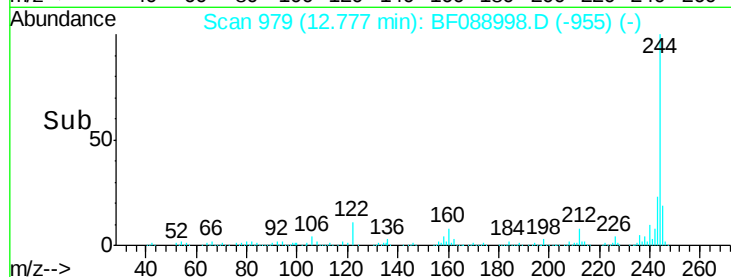
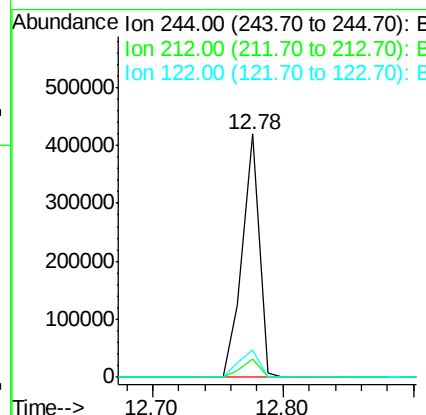
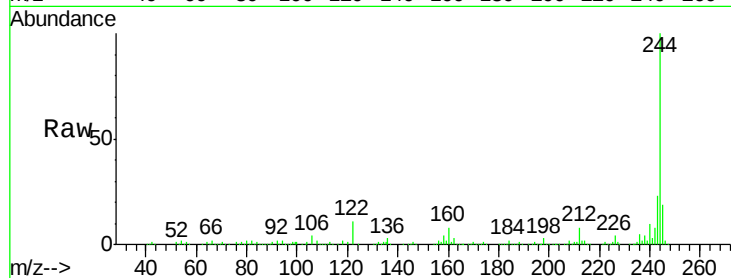




#78  
 Terphenyl-d14  
 Concen: 66.96 ng  
 RT: 12.78 min Scan# 979  
 Delta R.T. -0.02 min  
 Lab File: BF088998.D  
 Acq: 14 Jul 2016 21:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 U2-B2(6-12)C

Tgt Ion:244 Resp: 380404  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.0 9.0  
 122 11.0 11.2 16.8#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.18 min Scan# 1189  
 Delta R.T. -0.03 min  
 Lab File: BF088998.D  
 Acq: 14 Jul 2016 21:20

Tgt Ion:264 Resp: 102526  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.2 28.8  
 265 21.1 16.9 25.3

