

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070616\  
 Data File : BF088762.D  
 Acq On : 7 Jul 2016 4:47  
 Operator : UM/SJ  
 Sample : H3879-04  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C2.1-06

Quant Time: Jul 07 06:41:07 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 07 01:24:07 2016  
 Response via : Initial Calibration

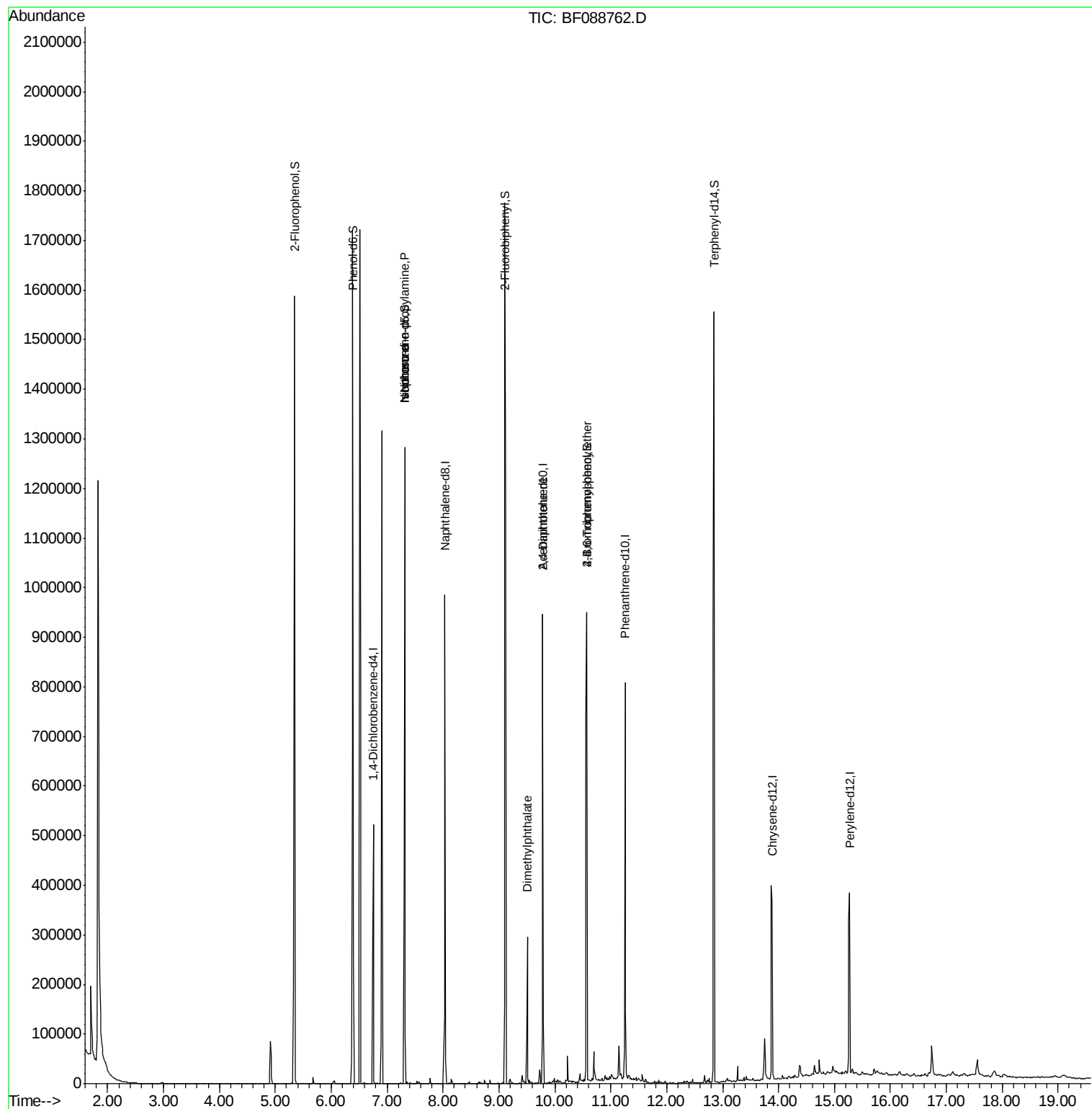
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.75  | 152  | 94730    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.03  | 136  | 390655   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.78  | 164  | 167206   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.26 | 188  | 265364   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 13.89 | 240  | 184915   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 15.27 | 264  | 185750   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.35  | 112  | 609135   | 96.37 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.39  | 99   | 660580   | 80.88 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.31  | 82   | 433349   | 58.13 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.57 | 330  | 153392   | 98.79 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.11  | 172  | 753898   | 71.22 | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.85 | 244  | 561834   | 67.67 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.31  | 70   | 59147    | 10.78 | ng    | # 73     |
| 25) Isophorone                 | 7.31  | 82   | 335022   | 24.26 | ng    | # 65     |
| 49) Dimethylphthalate          | 9.51  | 163  | 123397   | 10.36 | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.78  | 165  | 21692    | 6.28  | ng    | # 38     |
| 66) 4-Bromophenyl-phenylether  | 10.57 | 248  | 9550     | 3.57  | ng    | # 1      |

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

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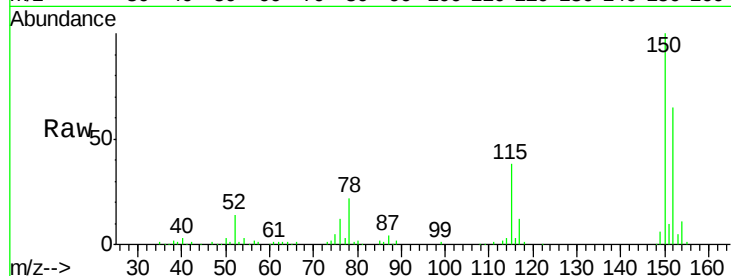




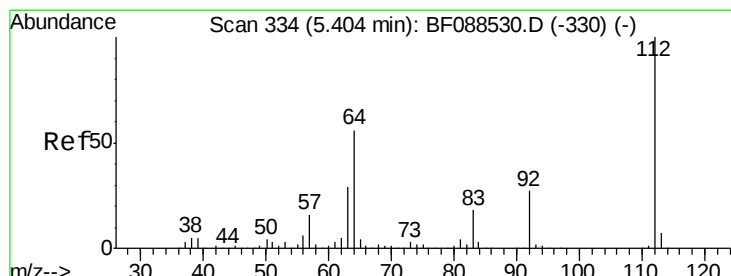
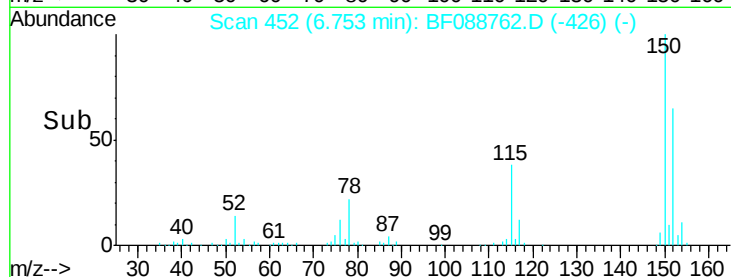
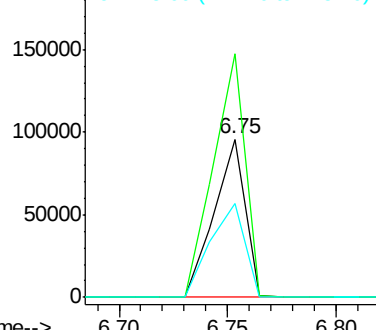
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.75 min Scan# 452  
 Delta R.T. -0.00 min  
 Lab File: BF088762.D  
 Acq: 7 Jul 2016 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C2.1-06

Tgt Ion:152 Resp: 94730  
 Ion Ratio Lower Upper  
 152 100  
 150 153.8 123.8 185.6  
 115 59.0 39.6 59.4

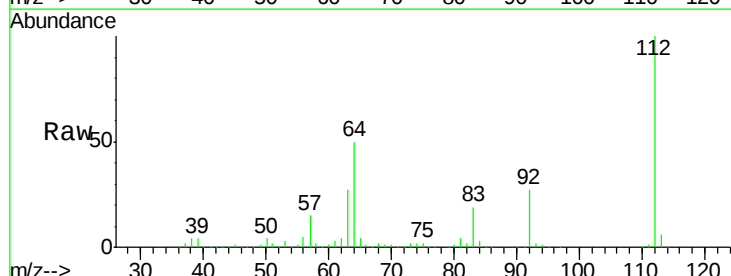


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

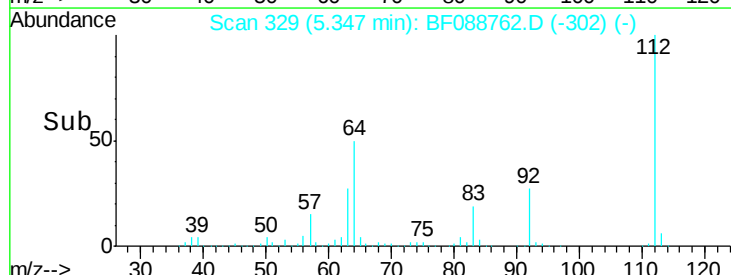
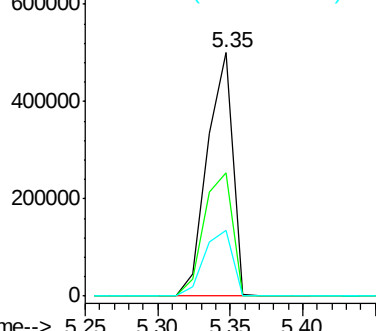


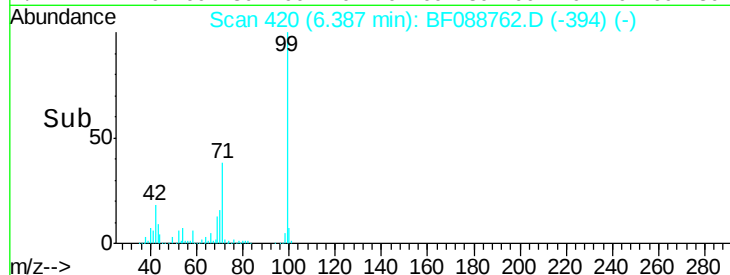
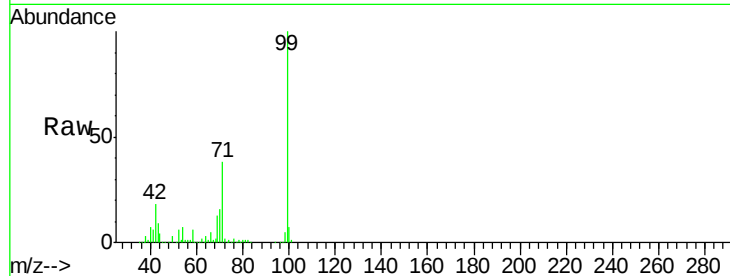
#5  
 2-Fluorophenol  
 Concen: 96.37 ng  
 RT: 5.35 min Scan# 329  
 Delta R.T. 0.01 min  
 Lab File: BF088762.D  
 Acq: 7 Jul 2016 4:47

Tgt Ion:112 Resp: 609135  
 Ion Ratio Lower Upper  
 112 100  
 64 50.4 42.2 63.2  
 63 26.7 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: 80.88 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF088762.D

Acq: 7 Jul 2016 4:47

Instrument :

BNA\_F

ClientSampleId :

C2.1-06

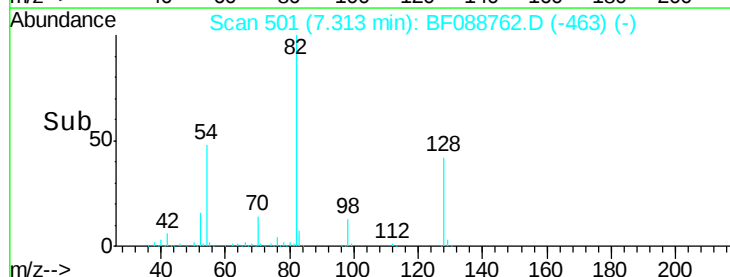
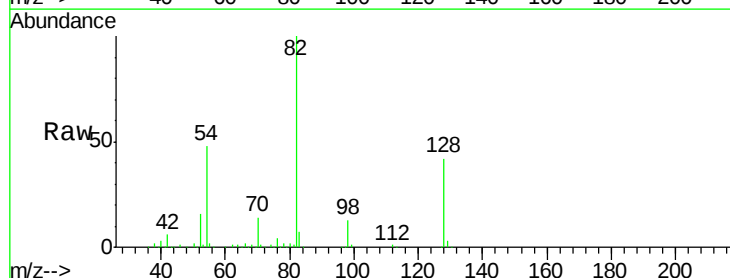
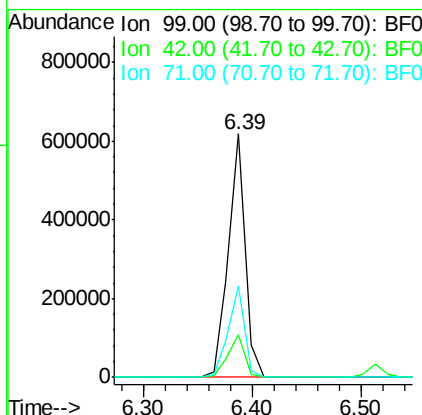
Tgt Ion: 99 Resp: 660580

Ion Ratio Lower Upper

99 100

42 17.6 12.2 18.2

71 37.7 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 10.78 ng

RT: 7.31 min Scan# 501

Delta R.T. 0.14 min

Lab File: BF088762.D

Acq: 7 Jul 2016 4:47

Tgt Ion: 70 Resp: 59147

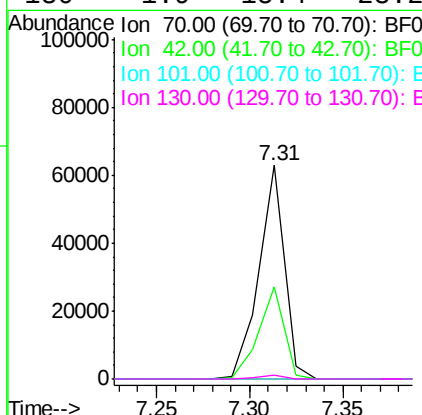
Ion Ratio Lower Upper

70 100

42 43.3 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: 8.03 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF088762.D

Acq: 7 Jul 2016 4:47

Instrument :

BNA\_F

ClientSampleId :

C2.1-06

Tgt Ion: 136 Resp: 390655

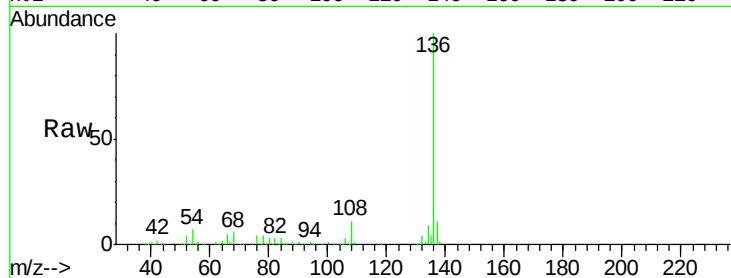
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.2 6.6 10.0

68 5.9 5.1 7.7

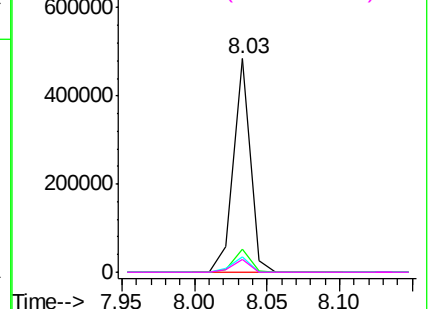
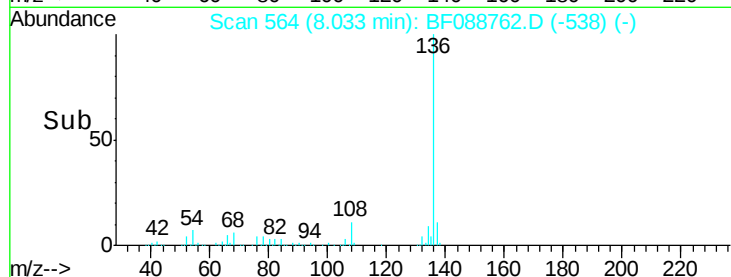


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.13 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.01 min

Lab File: BF088762.D

Acq: 7 Jul 2016 4:47

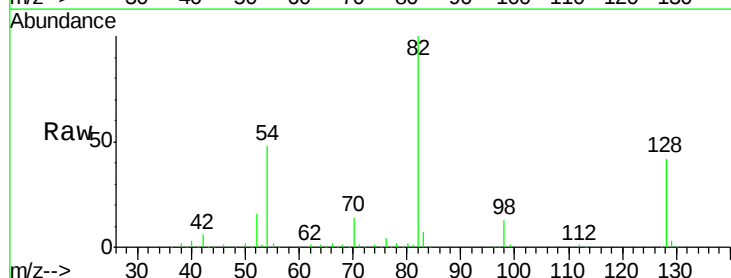
Tgt Ion: 82 Resp: 433349

Ion Ratio Lower Upper

82 100

128 41.7 35.9 53.9

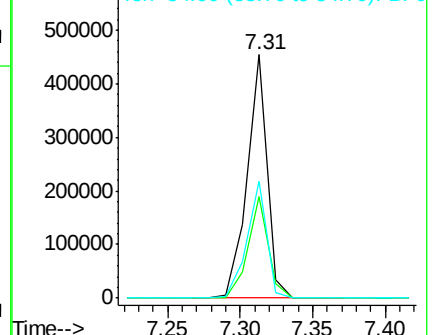
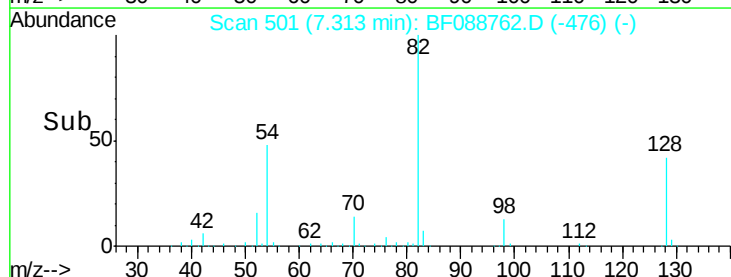
54 48.2 40.9 61.3

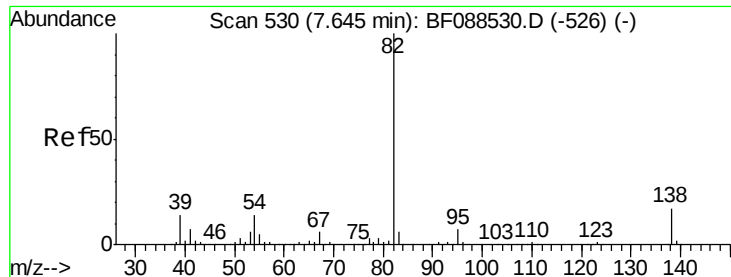


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

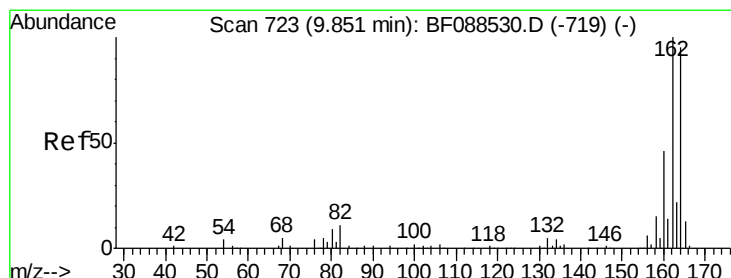
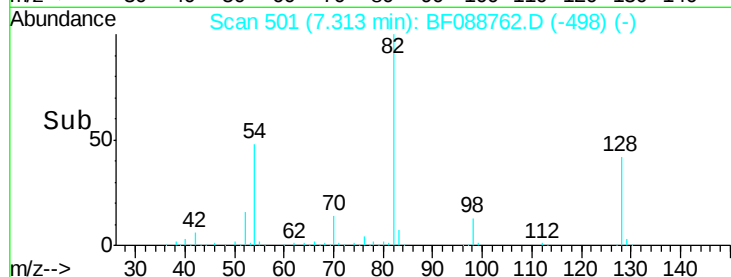
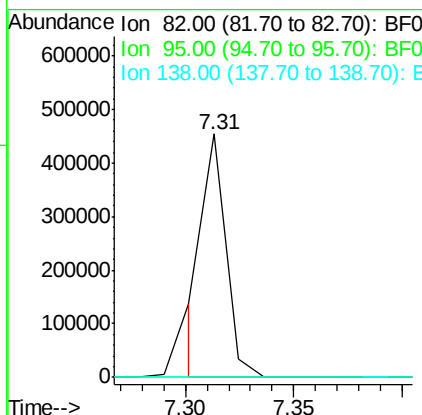
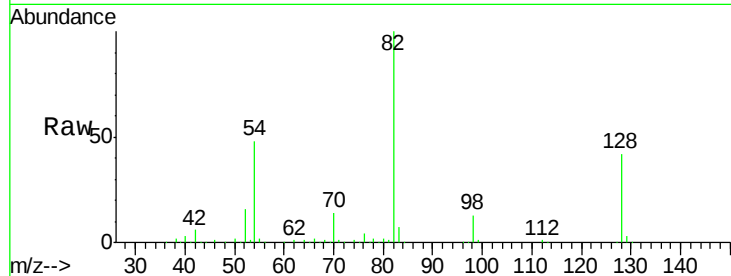




#25  
Isophorone  
Concen: 24.26 ng  
RT: 7.31 min Scan# 501  
Delta R.T. -0.26 min  
Lab File: BF088762.D  
Acq: 7 Jul 2016 4:47

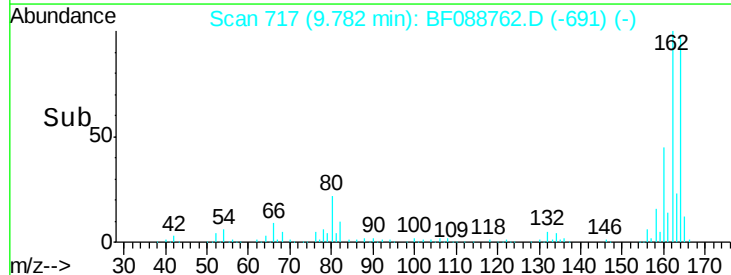
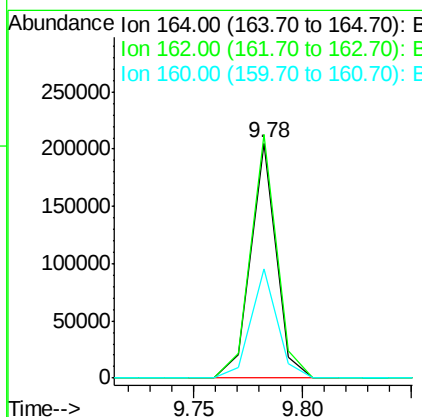
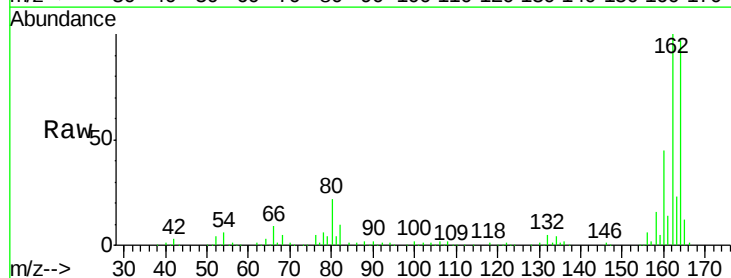
Instrument :  
BNA\_F  
ClientSampleId :  
C2.1-06

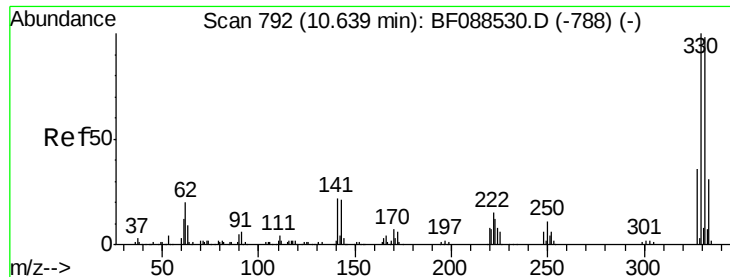
Tgt Ion: 82 Resp: 335022  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.2#  
138 0.0 14.6 21.8#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.78 min Scan# 717  
Delta R.T. -0.00 min  
Lab File: BF088762.D  
Acq: 7 Jul 2016 4:47

Tgt Ion: 164 Resp: 167206  
Ion Ratio Lower Upper  
164 100  
162 103.6 85.4 128.2  
160 46.7 39.5 59.3

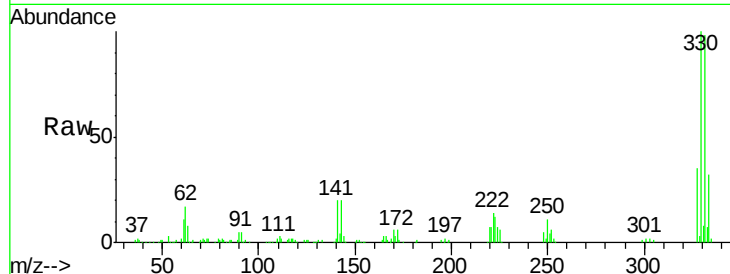




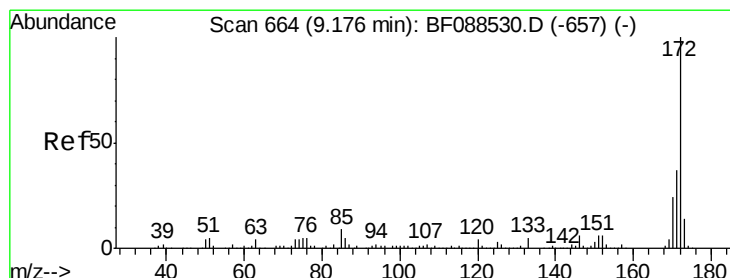
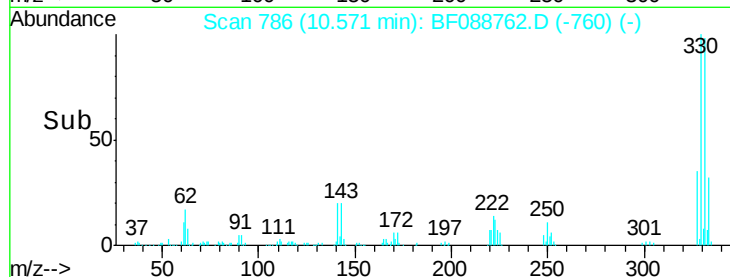
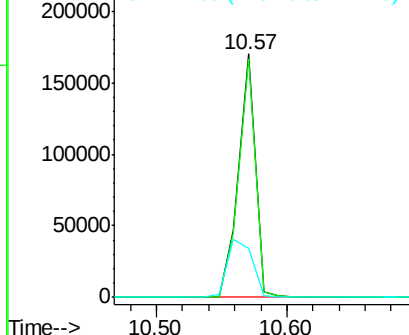
#41  
 2,4,6-Tribromophenol  
 Concen: 98.79 ng  
 RT: 10.57 min Scan# 786  
 Delta R.T. -0.00 min  
 Lab File: BF088762.D  
 Acq: 7 Jul 2016 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C2.1-06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 0.0   | 0.0#  |
| 141     | 34.7  | 0.0   | 0.0#  |

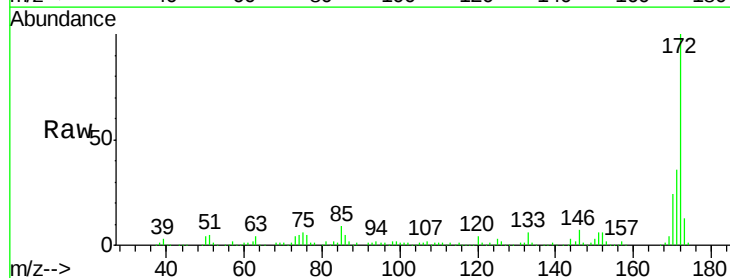


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

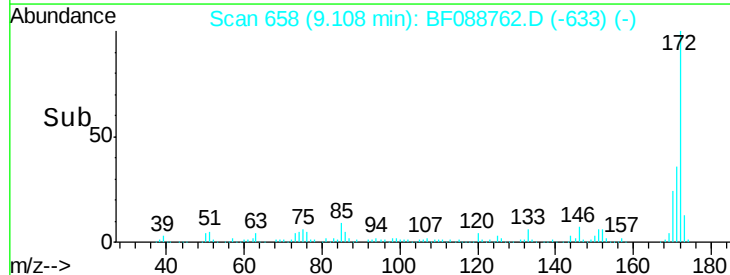
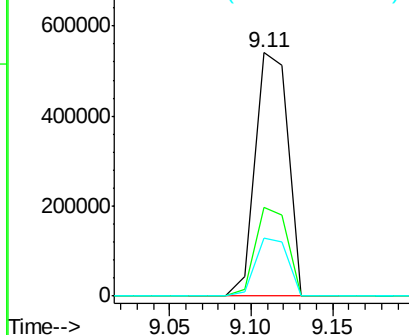


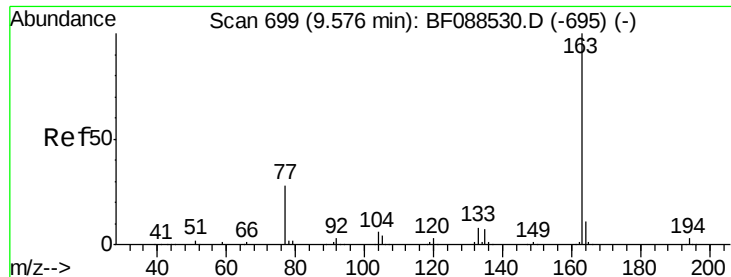
#44  
 2-Fluorobiphenyl  
 Concen: 71.22 ng  
 RT: 9.11 min Scan# 658  
 Delta R.T. -0.01 min  
 Lab File: BF088762.D  
 Acq: 7 Jul 2016 4:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 28.6  | 43.0  |
| 170     | 24.1  | 19.2  | 28.8  |



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: 10.36 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF088762.D

Acq: 7 Jul 2016 4:47

Instrument :

BNA\_F

ClientSampleId :

C2.1-06

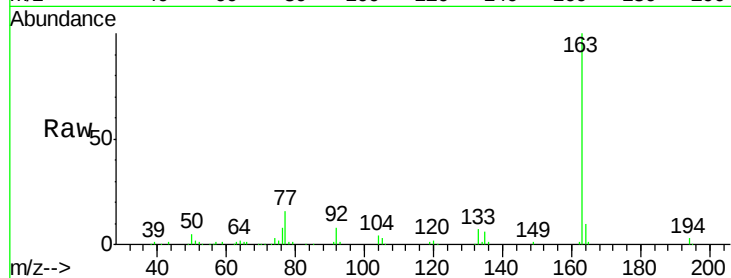
Tgt Ion:163 Resp: 123397

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

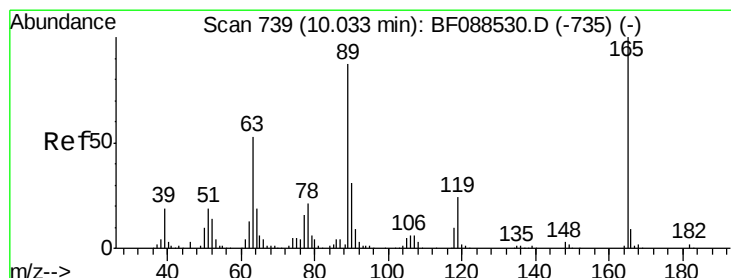
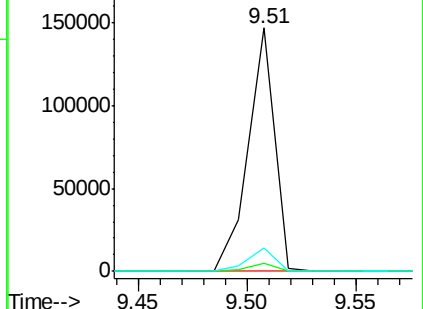
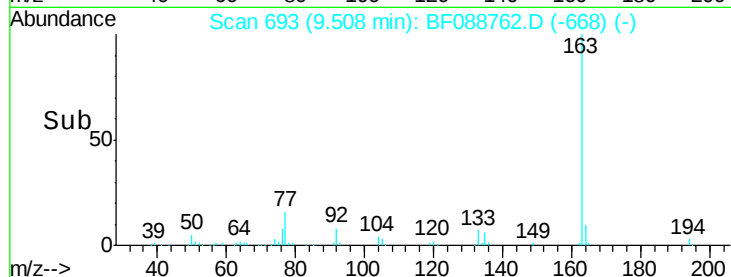
164 9.6 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.28 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.19 min

Lab File: BF088762.D

Acq: 7 Jul 2016 4:47

Tgt Ion:165 Resp: 21692

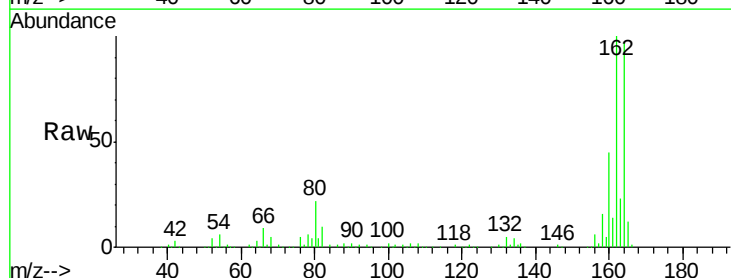
Ion Ratio Lower Upper

165 100

63 1.3 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#

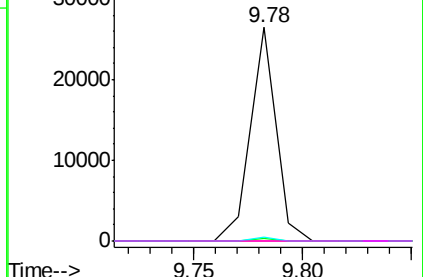
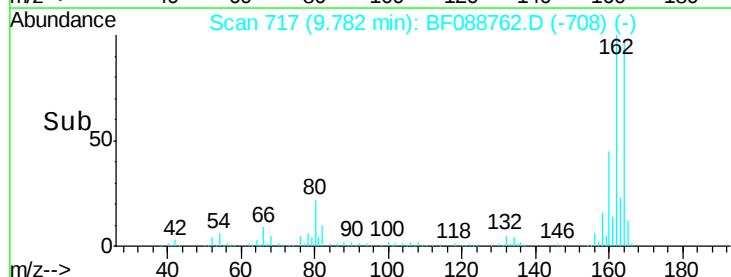


Abundance Ion 165.00 (164.70 to 165.70): E

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

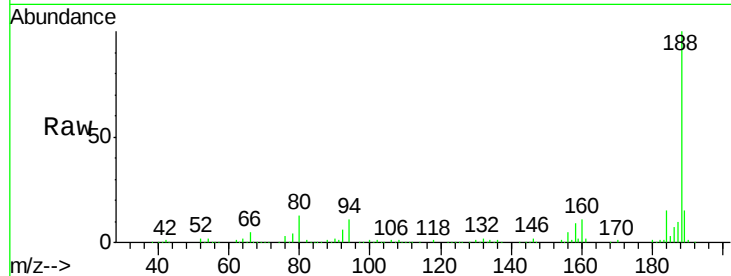




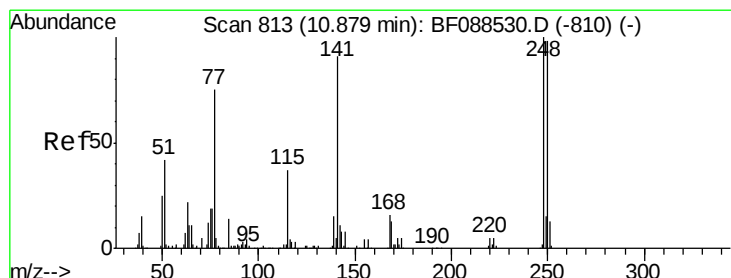
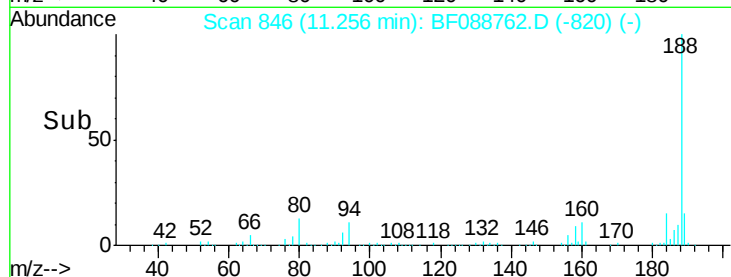
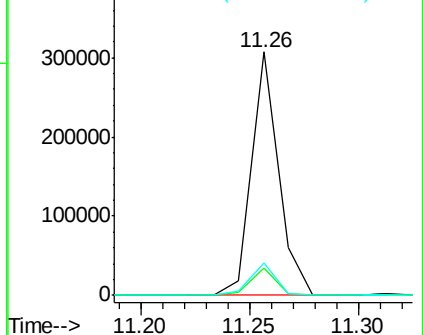
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.26 min Scan# 846  
Delta R.T. -0.00 min  
Lab File: BF088762.D  
Acq: 7 Jul 2016 4:47

Instrument :  
BNA\_F  
ClientSampleId :  
C2.1-06

Tgt Ion:188 Resp: 265364  
Ion Ratio Lower Upper  
188 100  
94 11.3 9.0 13.6  
80 13.1 10.0 15.0

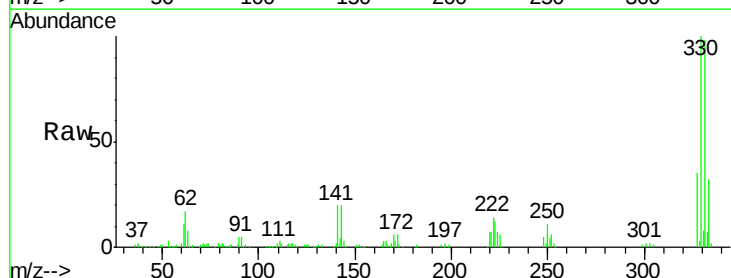


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

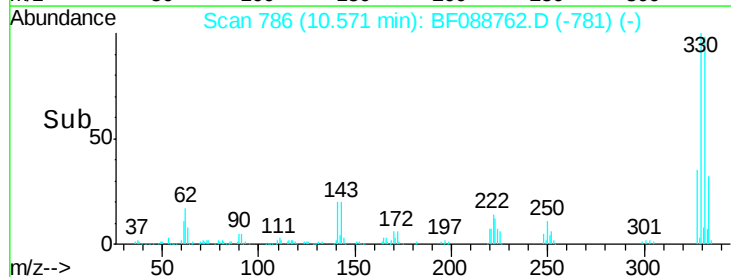
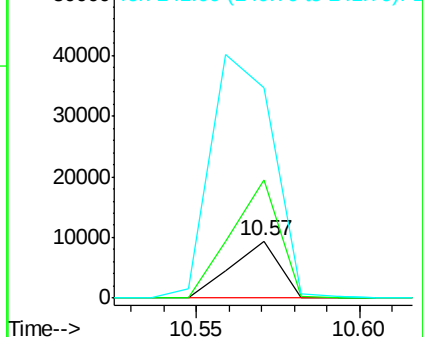


#66  
4-Bromophenyl-phenylether  
Concen: 3.57 ng  
RT: 10.57 min Scan# 786  
Delta R.T. -0.24 min  
Lab File: BF088762.D  
Acq: 7 Jul 2016 4:47

Tgt Ion:248 Resp: 9550  
Ion Ratio Lower Upper  
248 100  
250 207.7 77.1 115.7#  
141 370.9 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: 13.89 min Scan# 1076

Delta R.T. -0.00 min

Lab File: BF088762.D

Acq: 7 Jul 2016 4:47

Instrument :

BNA\_F

ClientSampleId :

C2.1-06

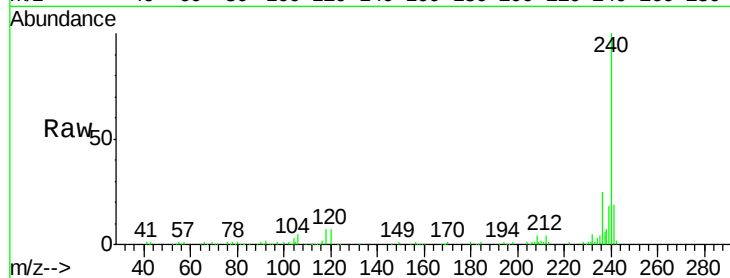
Tgt Ion:240 Resp: 184915

Ion Ratio Lower Upper

240 100

120 7.3 6.8 10.2

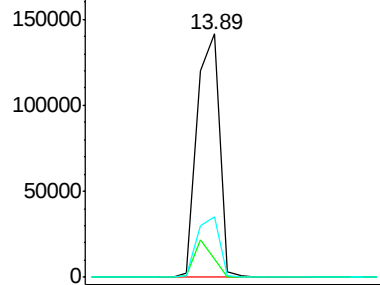
236 24.9 20.2 30.2



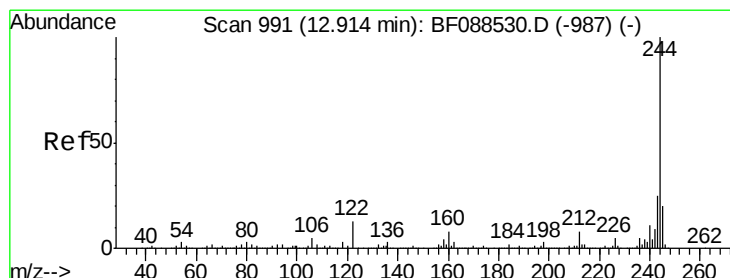
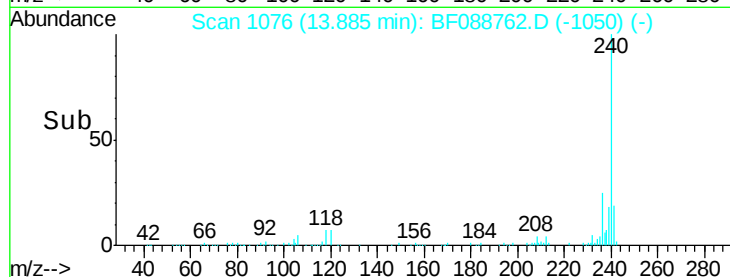
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 67.67 ng

RT: 12.85 min Scan# 985

Delta R.T. -0.00 min

Lab File: BF088762.D

Acq: 7 Jul 2016 4:47

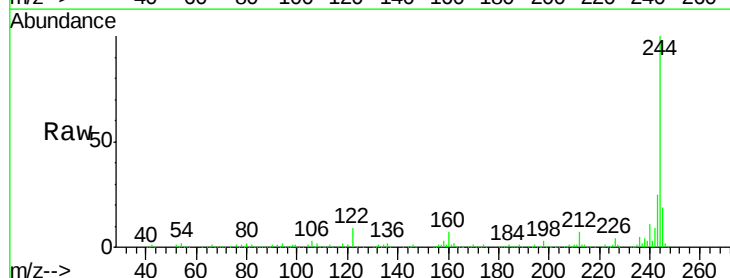
Tgt Ion:244 Resp: 561834

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

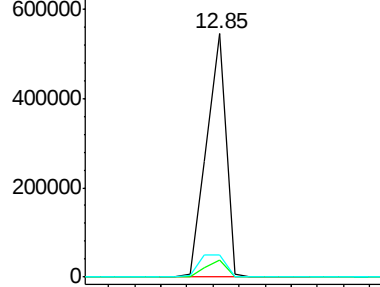
122 9.1 11.2 16.8#



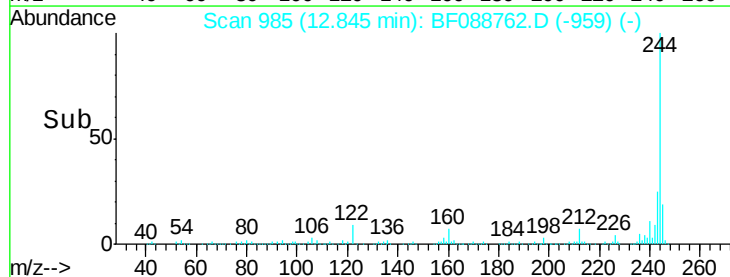
Abundance Ion 244.00 (243.70 to 244.70): E

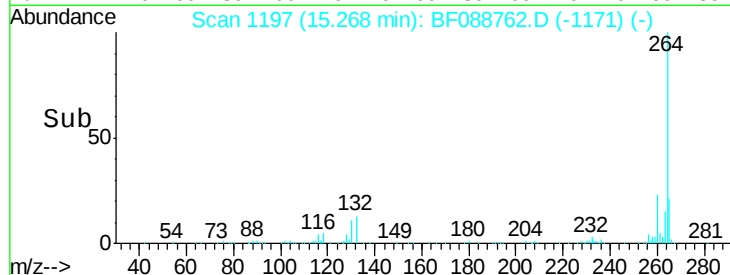
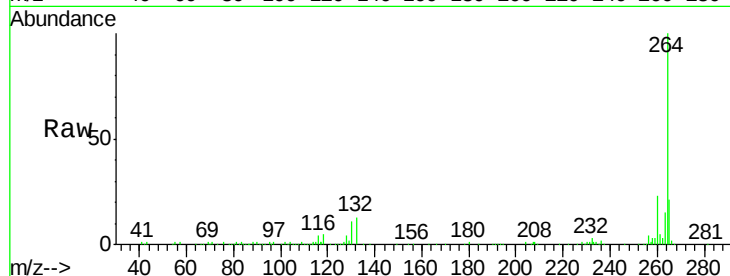
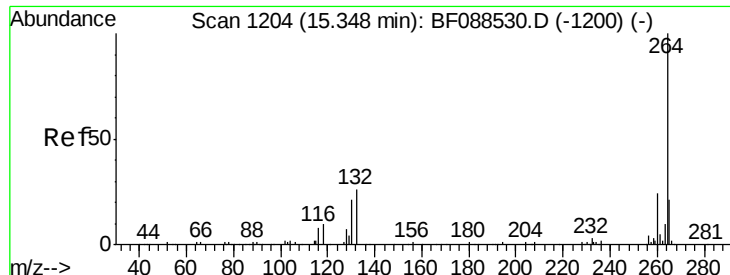
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.27 min Scan# 1197

Delta R.T. -0.00 min

Lab File: BF088762.D

Acq: 7 Jul 2016 4:47

Instrument :

BNA\_F

ClientSampleId :

C2.1-06

Tgt Ion: 264 Resp: 185750

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 20.8 16.9 25.3

