

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051916\  
 Data File : BF087194.D  
 Acq On : 19 May 2016 18:38  
 Operator : UM/SJ  
 Sample : H3143-11  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 6-I-76(0-2)

Quant Time: May 20 02:33:41 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 17 16:55:01 2016  
 Response via : Initial Calibration

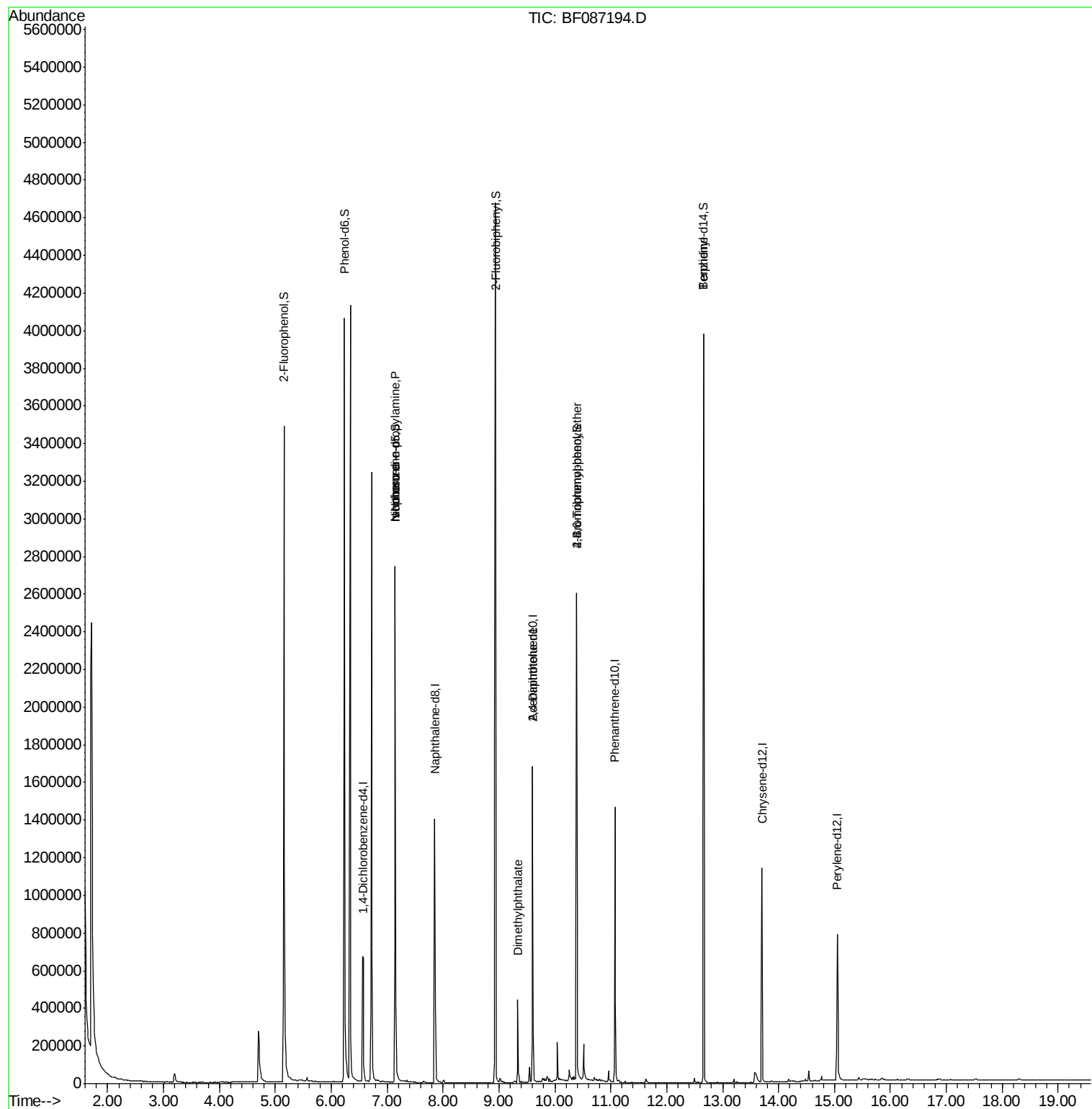
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.57  | 152  | 142994   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 7.85  | 136  | 613346   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10           | 9.60  | 164  | 301131   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10           | 11.07 | 188  | 537185   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12               | 13.70 | 240  | 384472   | 20.00  | ng    | -0.06    |
| 86) Perylene-d12               | 15.05 | 264  | 319410   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.15  | 112  | 963557   | 113.26 | ng    | -0.05    |
| 7) Phenol-d6                   | 6.24  | 99   | 1454704  | 127.49 | ng    | -0.05    |
| 23) Nitrobenzene-d5            | 7.14  | 82   | 889027   | 72.24  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol       | 10.39 | 330  | 326255   | 98.04  | ng    | -0.06    |
| 44) 2-Fluorobiphenyl           | 8.94  | 172  | 1462968  | 80.46  | ng    | -0.05    |
| 78) Terphenyl-d14              | 12.66 | 244  | 1192696  | 70.17  | ng    | -0.05    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.14  | 70   | 125396   | 14.46  | ng    | # 73     |
| 25) Isophorone                 | 7.14  | 82   | 728901   | 32.35  | ng    | # 68     |
| 49) Dimethylphthalate          | 9.34  | 163  | 156885   | 6.83   | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.60  | 165  | 38197    | 5.98   | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 10.39 | 248  | 19094    | 3.46   | ng    | # 1      |
| 76) Benzidine                  | 12.66 | 184  | 18891    | 2.27   | ng    | 97       |

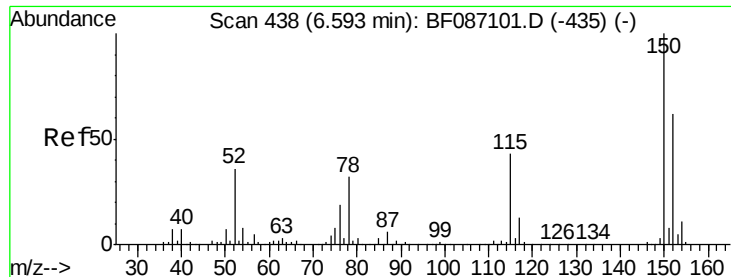
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF087194.D

Acq: 19 May 2016 18:38

Instrument :

BNA\_F

ClientSampleId :

6-I-76(0-2)

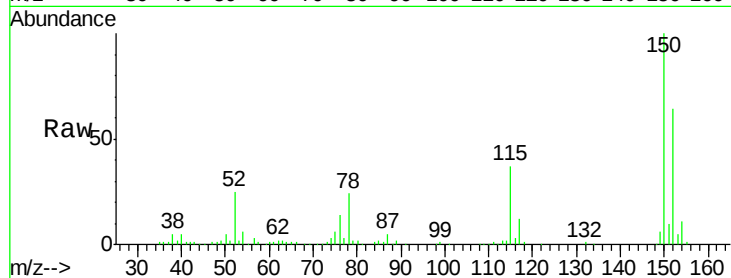
Tgt Ion:152 Resp: 142994

Ion Ratio Lower Upper

152 100

150 156.4 125.8 188.6

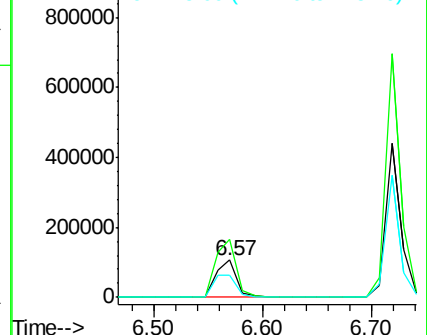
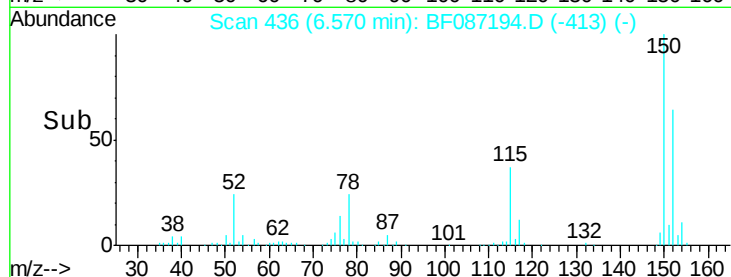
115 58.5 51.5 77.3



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: 113.26 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087194.D

Acq: 19 May 2016 18:38

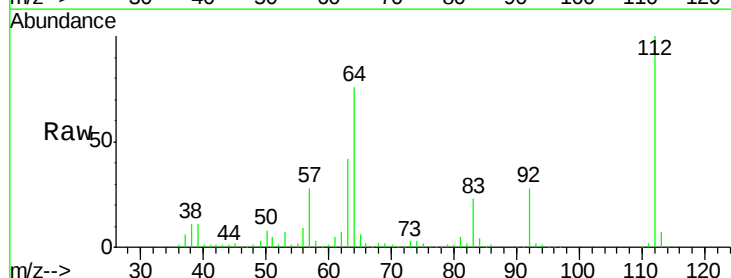
Tgt Ion:112 Resp: 963557

Ion Ratio Lower Upper

112 100

64 76.5 52.1 78.1

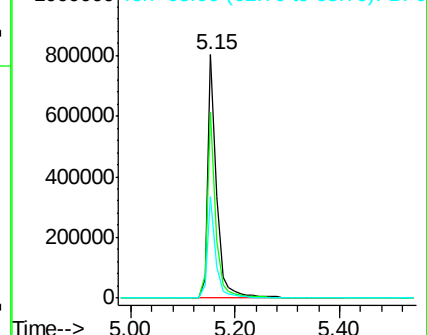
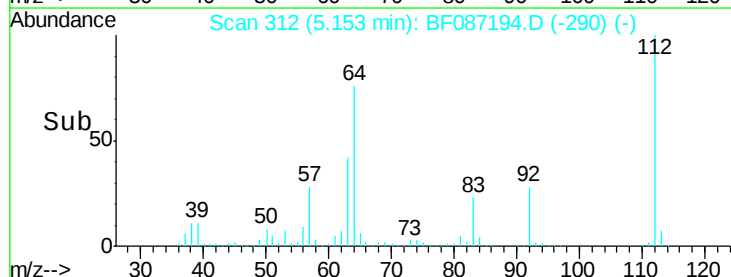
63 41.8 25.7 38.5#



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: 127.49 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087194.D

Acq: 19 May 2016 18:38

Instrument :

BNA\_F

ClientSampleId :

6-I-76(0-2)

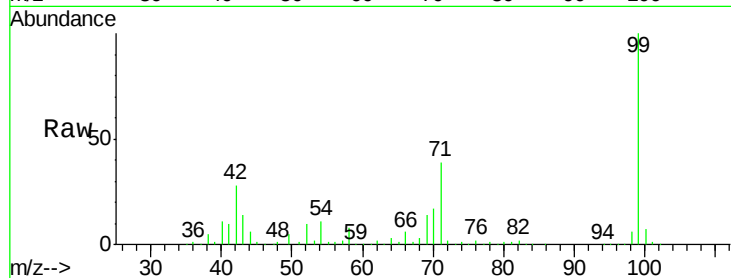
Tgt Ion: 99 Resp: 1454704

Ion Ratio Lower Upper

99 100

42 27.8 13.6 20.4#

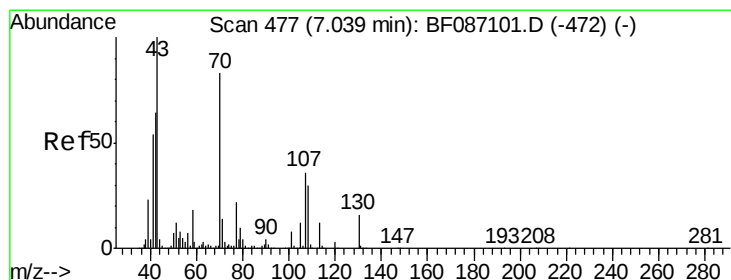
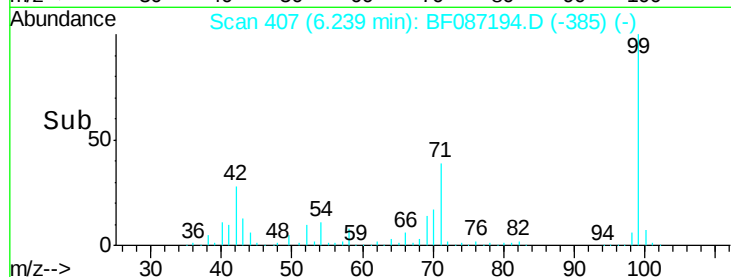
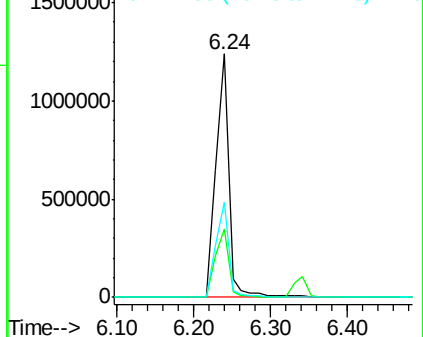
71 39.3 24.6 36.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.46 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.09 min

Lab File: BF087194.D

Acq: 19 May 2016 18:38

Tgt Ion: 70 Resp: 125396

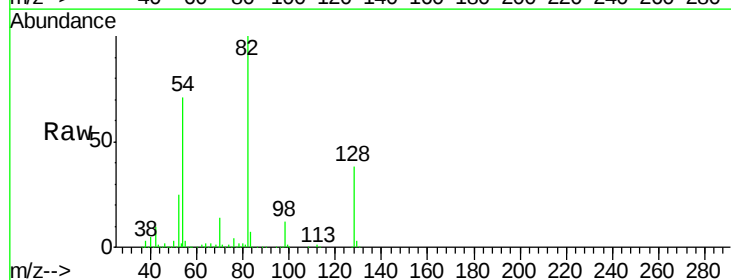
Ion Ratio Lower Upper

70 100

42 68.0 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

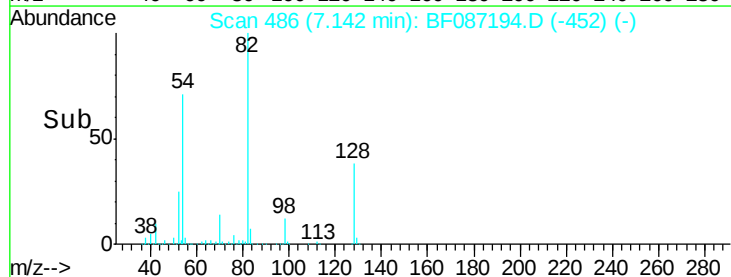
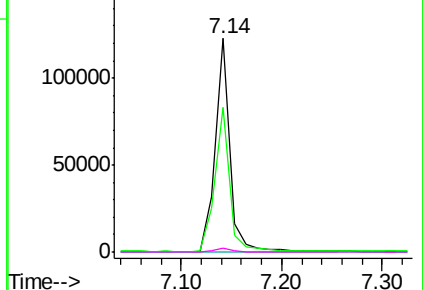


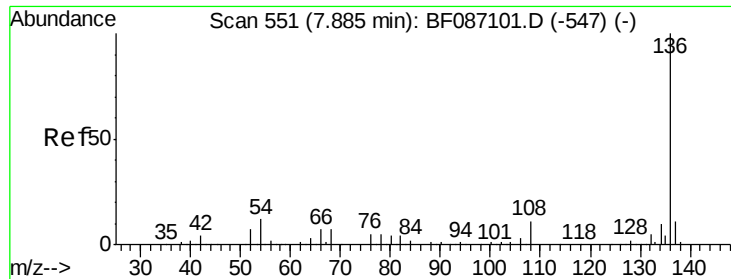
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

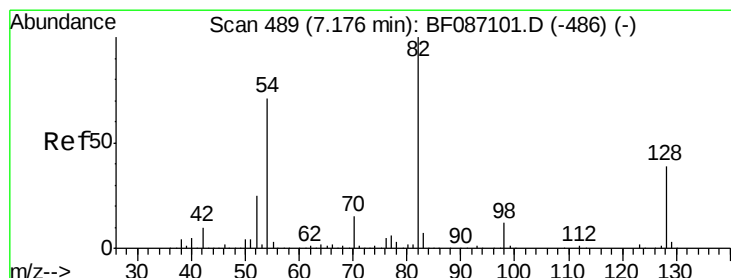
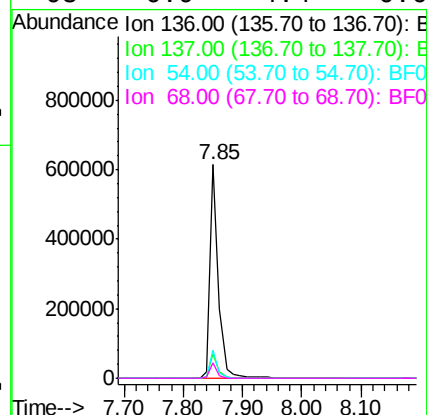
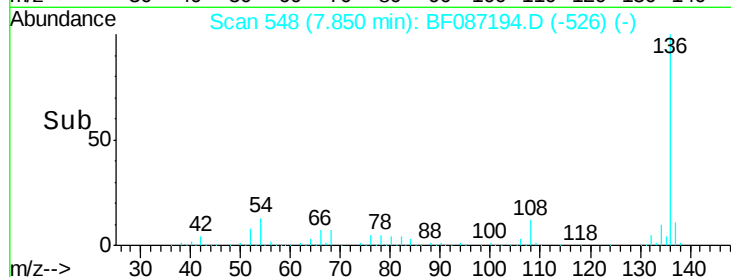
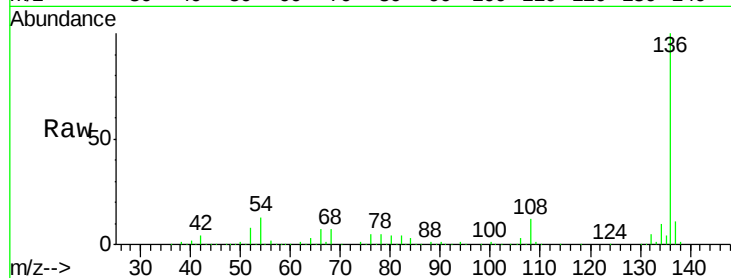




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.85 min Scan# 548  
Delta R.T. -0.05 min  
Lab File: BF087194.D  
Acq: 19 May 2016 18:38

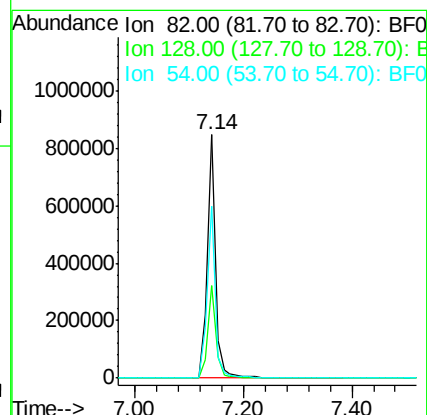
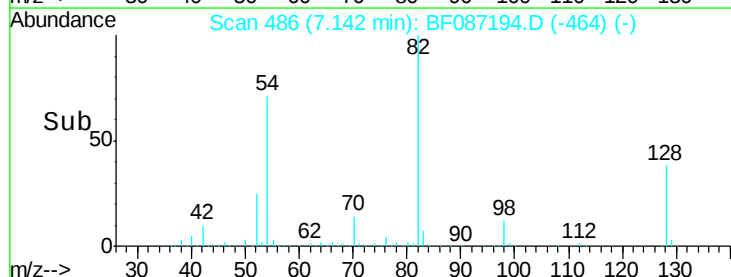
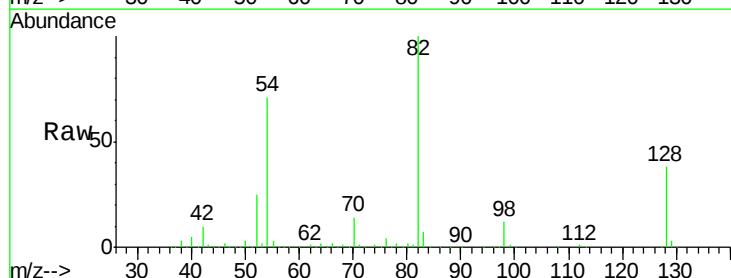
Instrument :  
BNA\_F  
ClientSampleId :  
6-I-76(0-2)

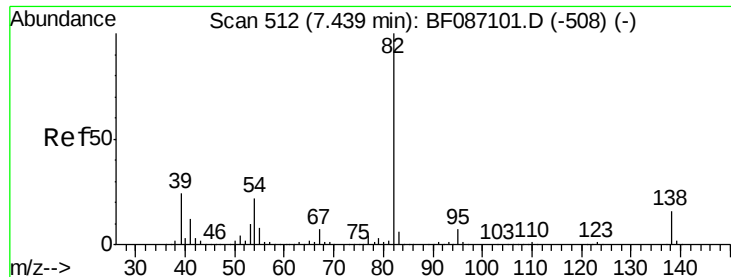
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 613346 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 8.8   | 13.2   |
| 54       | 13.3  | 5.0   | 7.4#   |
| 68       | 6.9   | 4.4   | 6.6#   |



#23  
Nitrobenzene-d5  
Concen: 72.24 ng  
RT: 7.14 min Scan# 486  
Delta R.T. -0.05 min  
Lab File: BF087194.D  
Acq: 19 May 2016 18:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 889027 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 37.8  | 40.6  | 61.0#  |
| 54       | 70.9  | 38.1  | 57.1#  |





#25

Isophorone

Concen: 32.35 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.31 min

Lab File: BF087194.D

Acq: 19 May 2016 18:38

Instrument :

BNA\_F

ClientSampleId :

6-I-76(0-2)

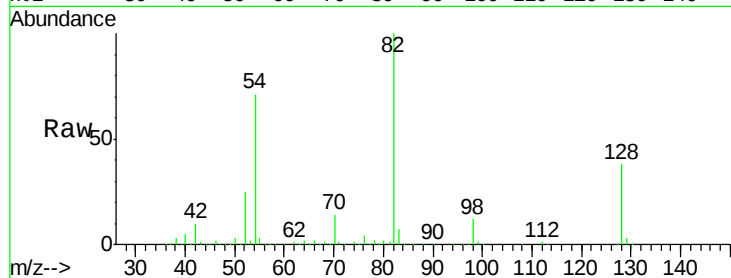
Tgt Ion: 82 Resp: 728901

Ion Ratio Lower Upper

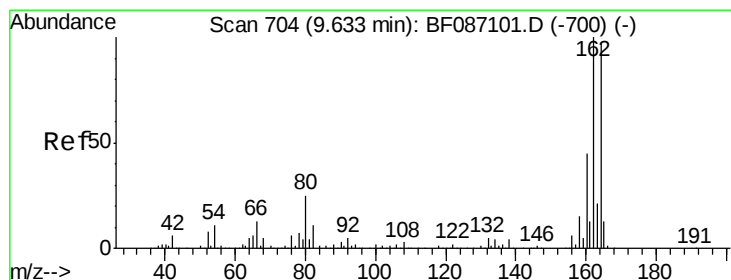
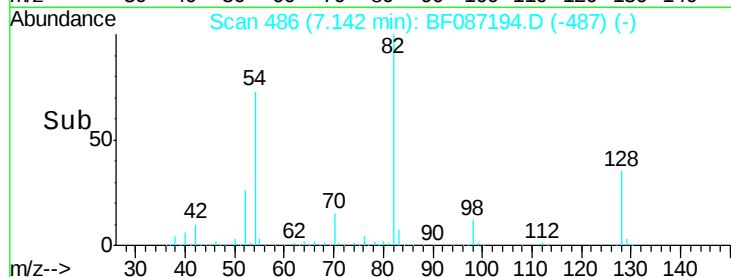
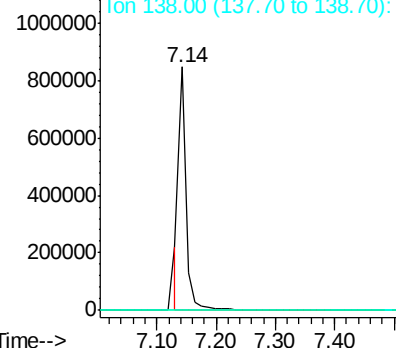
82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.05 min

Lab File: BF087194.D

Acq: 19 May 2016 18:38

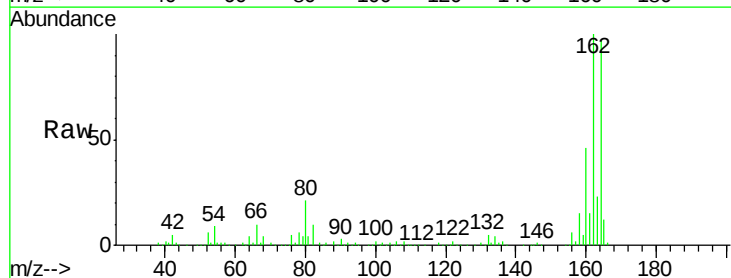
Tgt Ion: 164 Resp: 301131

Ion Ratio Lower Upper

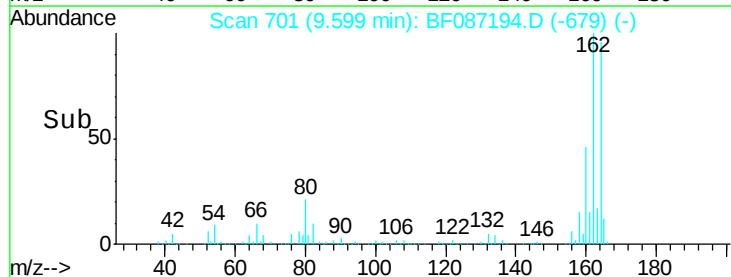
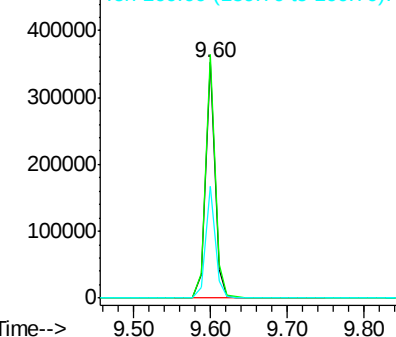
164 100

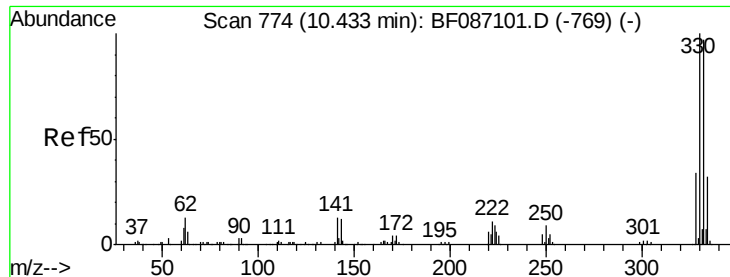
162 103.4 82.8 124.2

160 47.3 36.9 55.3



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

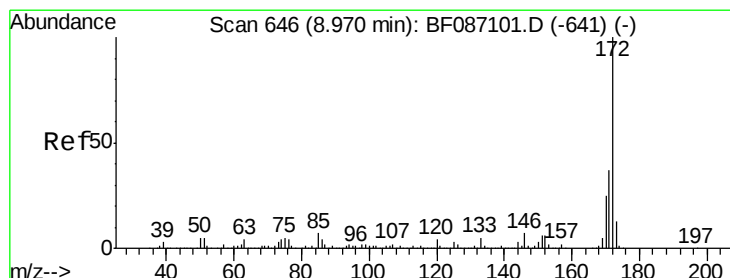
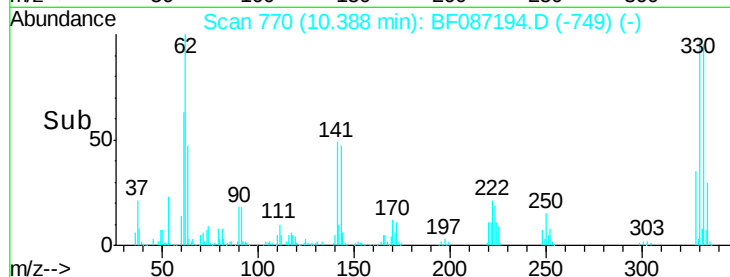
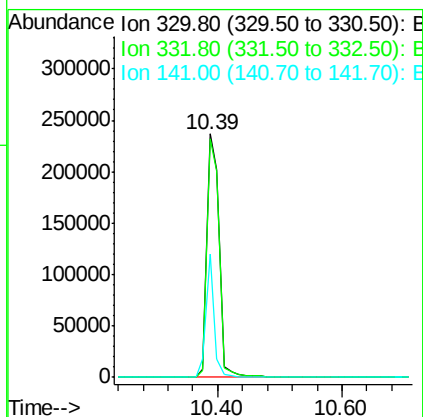
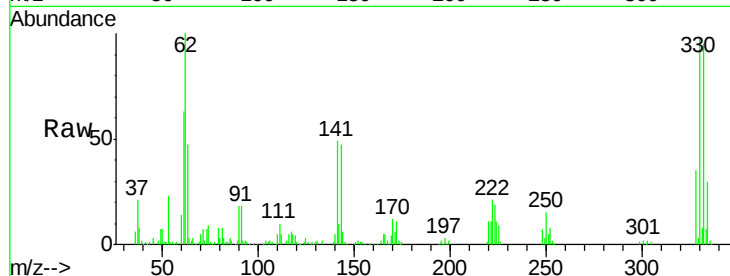




#41  
 2,4,6-Tribromophenol  
 Concen: 98.04 ng  
 RT: 10.39 min Scan# 770  
 Delta R.T. -0.06 min  
 Lab File: BF087194.D  
 Acq: 19 May 2016 18:38

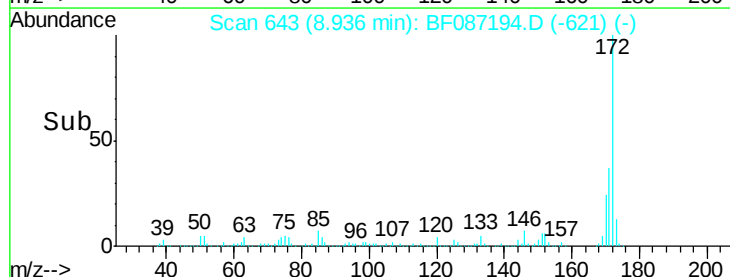
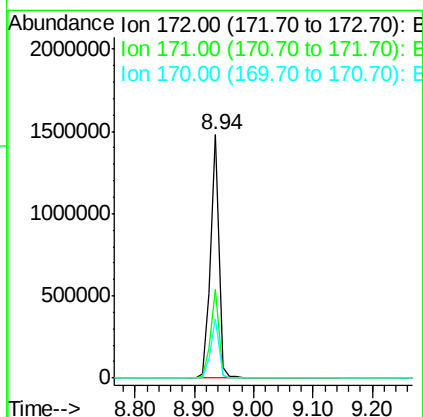
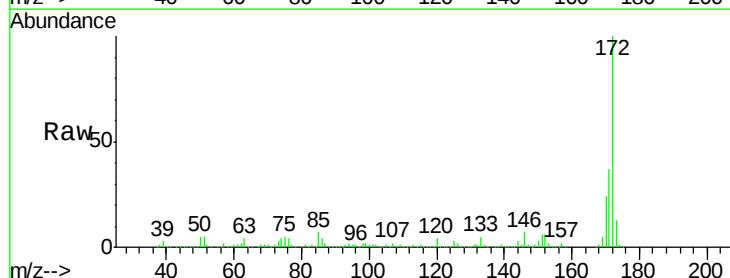
Instrument :  
 BNA\_F  
 ClientSampleId :  
 6-I-76(0-2)

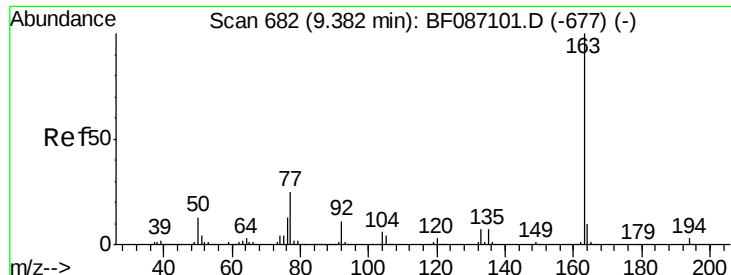
Tgt Ion:330 Resp: 326255  
 Ion Ratio Lower Upper  
 330 100  
 332 98.3 79.0 118.4  
 141 34.4 31.2 46.8



#44  
 2-Fluorobiphenyl  
 Concen: 80.46 ng  
 RT: 8.94 min Scan# 643  
 Delta R.T. -0.05 min  
 Lab File: BF087194.D  
 Acq: 19 May 2016 18:38

Tgt Ion:172 Resp: 1462968  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.0 43.6  
 170 24.5 19.8 29.8

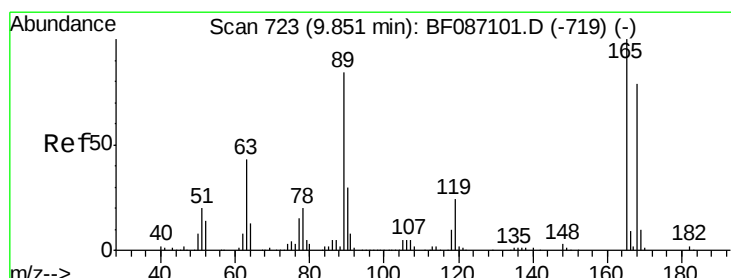
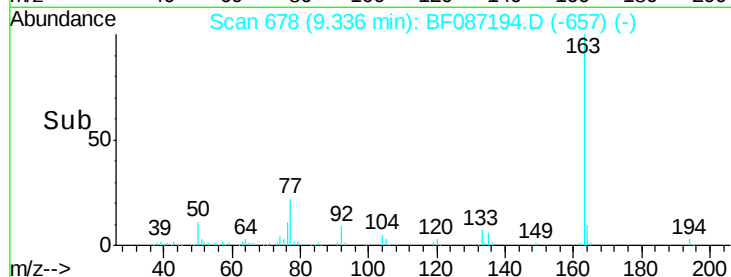
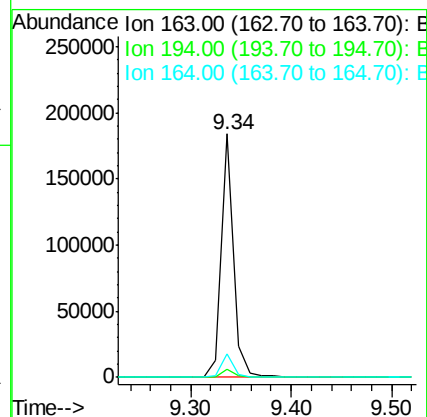
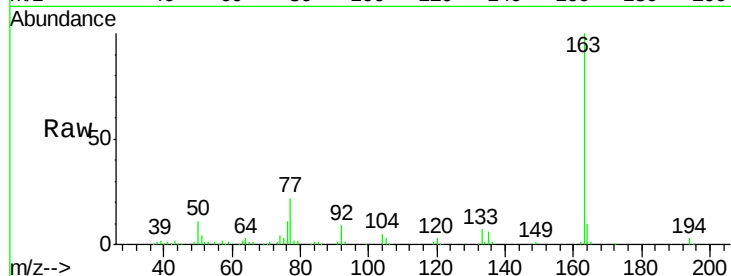




#49  
Dimethylphthalate  
Concen: 6.83 ng  
RT: 9.34 min Scan# 678  
Delta R.T. -0.06 min  
Lab File: BF087194.D  
Acq: 19 May 2016 18:38

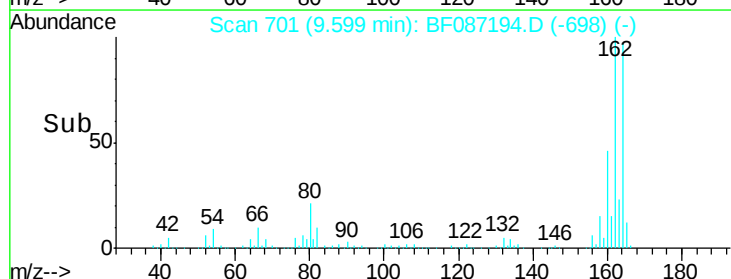
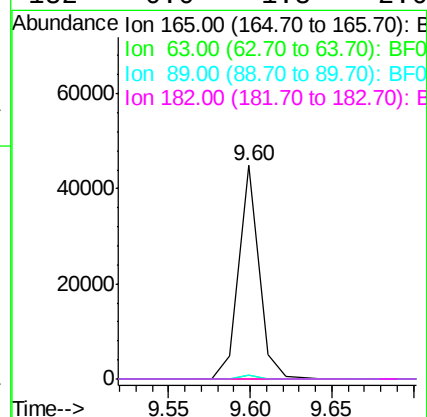
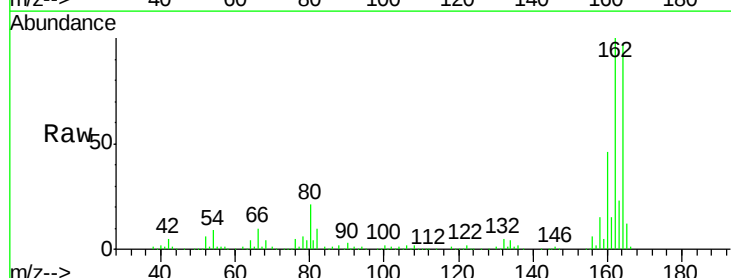
Instrument :  
BNA\_F  
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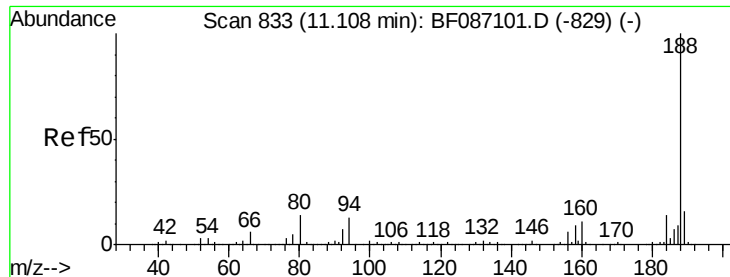
Tgt Ion:163 Resp: 156885  
Ion Ratio Lower Upper  
163 100  
194 3.1 2.6 4.0  
164 9.9 8.2 12.4



#56  
2,4-Dinitrotoluene  
Concen: 5.98 ng  
RT: 9.60 min Scan# 701  
Delta R.T. -0.26 min  
Lab File: BF087194.D  
Acq: 19 May 2016 18:38

Tgt Ion:165 Resp: 38197  
Ion Ratio Lower Upper  
165 100  
63 2.0 44.3 66.5#  
89 1.8 70.0 105.0#  
182 0.0 1.8 2.6#

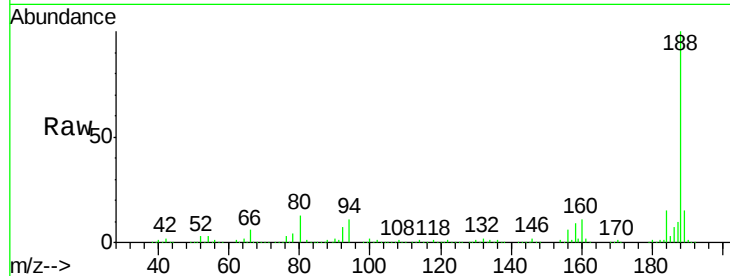




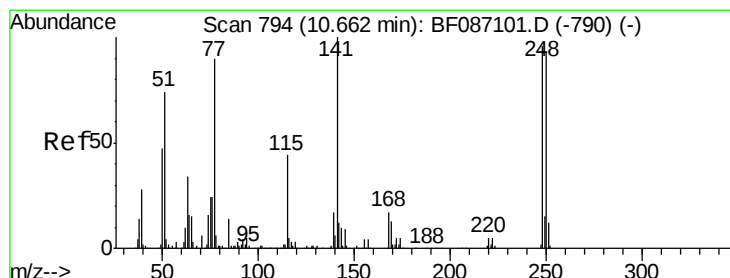
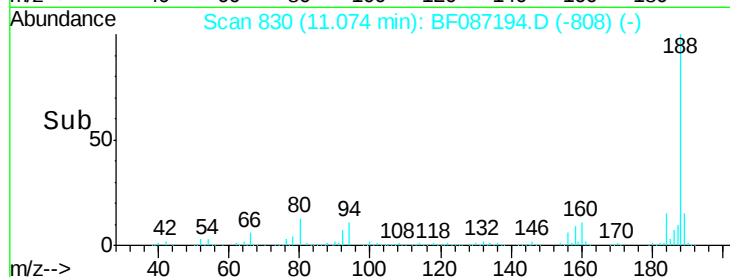
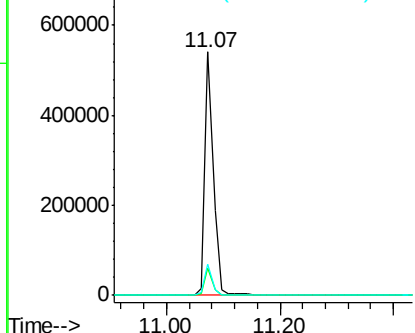
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.07 min Scan# 830  
 Delta R.T. -0.05 min  
 Lab File: BF087194.D  
 Acq: 19 May 2016 18:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 6-I-76(0-2)

Tgt Ion:188 Resp: 537185  
 Ion Ratio Lower Upper  
 188 100  
 94 11.4 6.8 10.2#  
 80 13.0 7.1 10.7#

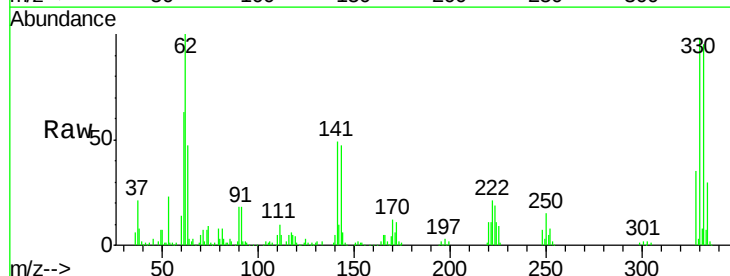


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

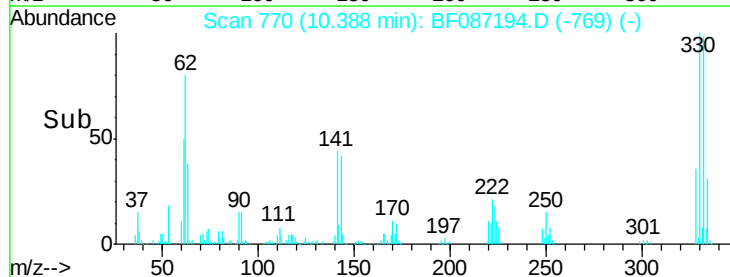
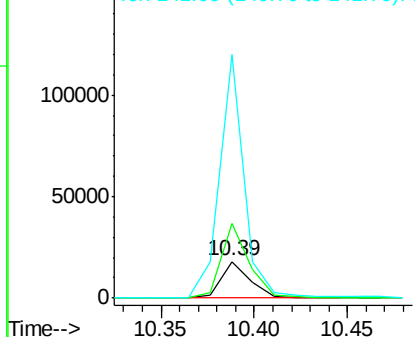


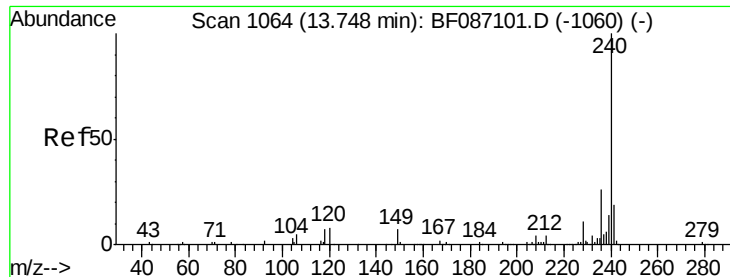
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.46 ng  
 RT: 10.39 min Scan# 770  
 Delta R.T. -0.29 min  
 Lab File: BF087194.D  
 Acq: 19 May 2016 18:38

Tgt Ion:248 Resp: 19094  
 Ion Ratio Lower Upper  
 248 100  
 250 201.8 78.6 117.8#  
 141 662.1 76.0 114.0#



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: 13.70 min Scan# 1060

Delta R.T. -0.06 min

Lab File: BF087194.D

Acq: 19 May 2016 18:38

Instrument :

BNA\_F

ClientSampleId :

6-I-76(0-2)

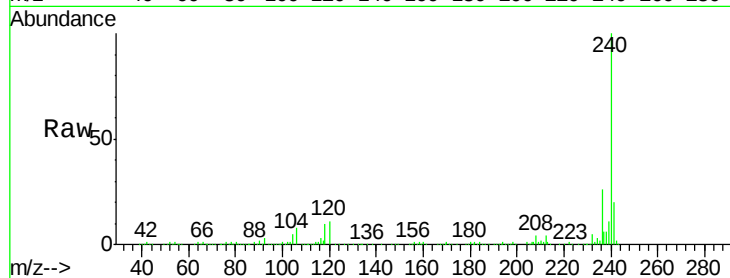
Tgt Ion:240 Resp: 384472

Ion Ratio Lower Upper

240 100

120 11.0 11.2 16.8#

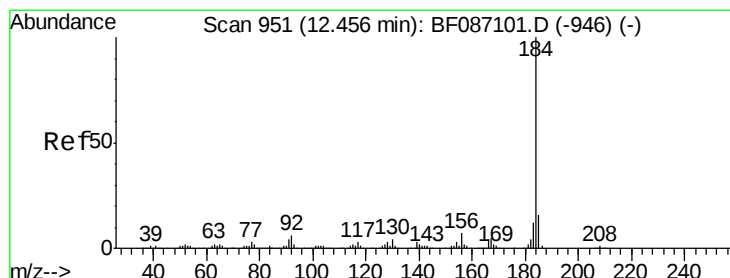
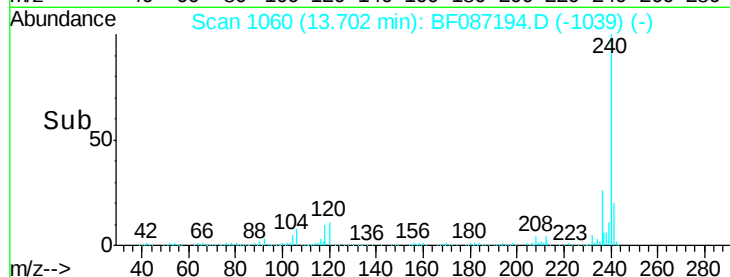
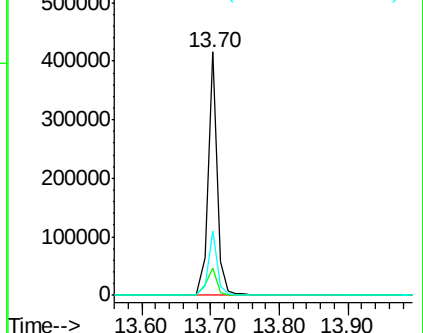
236 26.2 21.2 31.8



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



#76

Benzidine

Concen: 2.27 ng

RT: 12.66 min Scan# 969

Delta R.T. 0.20 min

Lab File: BF087194.D

Acq: 19 May 2016 18:38

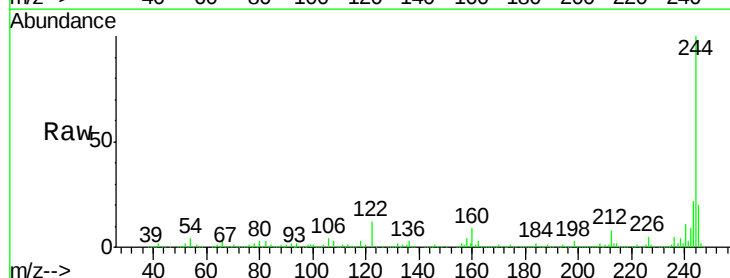
Tgt Ion:184 Resp: 18891

Ion Ratio Lower Upper

184 100

185 16.7 13.6 20.4

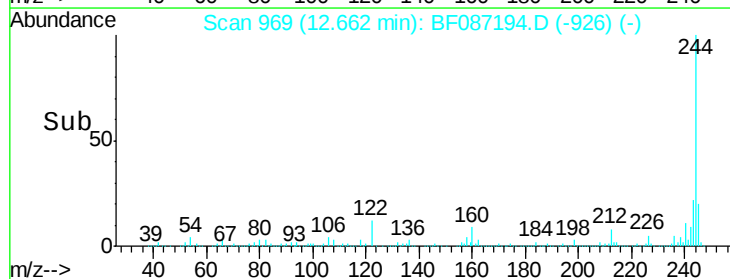
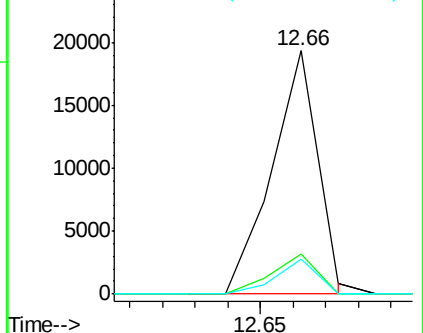
183 14.3 9.8 14.6

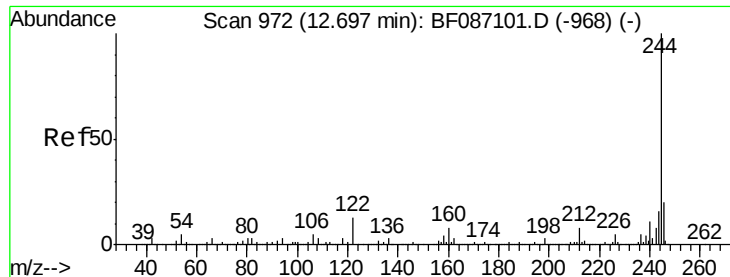


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

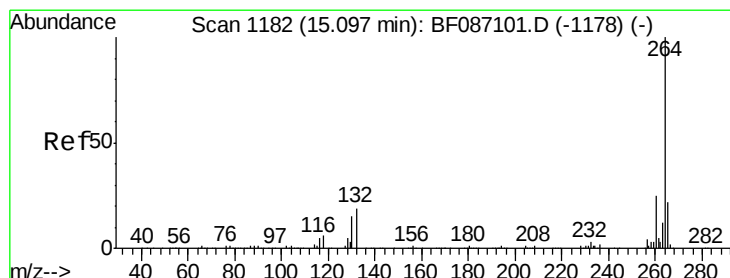
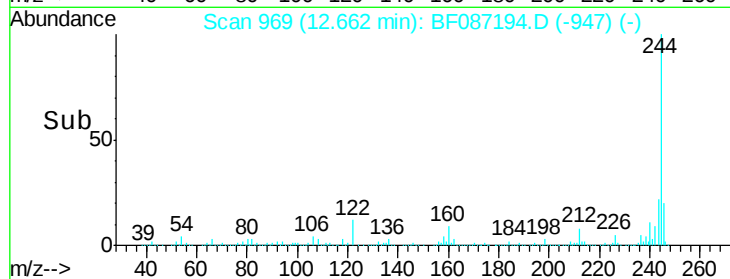
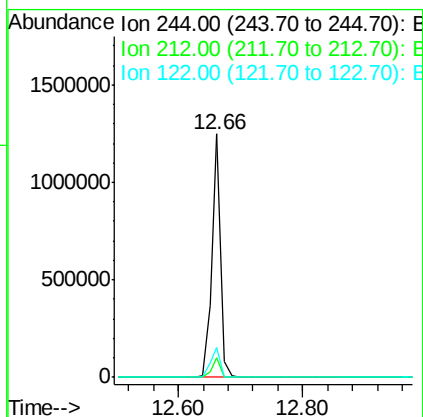
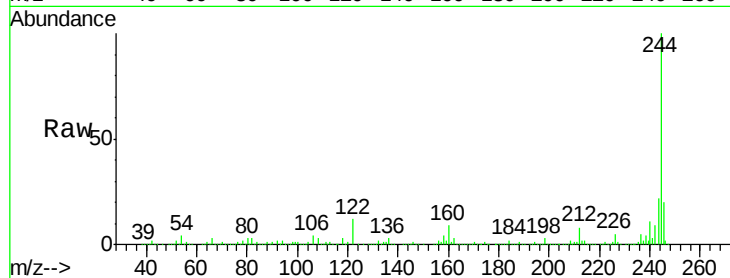




#78  
 Terphenyl-d14  
 Concen: 70.17 ng  
 RT: 12.66 min Scan# 969  
 Delta R.T. -0.05 min  
 Lab File: BF087194.D  
 Acq: 19 May 2016 18:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 6-I-76(0-2)

Tgt Ion:244 Resp: 1192696  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.2 9.2  
 122 12.3 12.0 18.0



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.05 min Scan# 1178  
 Delta R.T. -0.06 min  
 Lab File: BF087194.D  
 Acq: 19 May 2016 18:38

Tgt Ion:264 Resp: 319410  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 19.5 29.3  
 265 22.1 17.3 25.9

