

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062415\  
 Data File : BF080130.D  
 Acq On : 24 Jun 2015 14:16  
 Operator : TP/IZ  
 Sample : G2758-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BOTTOMEAST-062315

Quant Time: Jun 25 00:57:59 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 25 00:52:28 2015  
 Response via : Initial Calibration

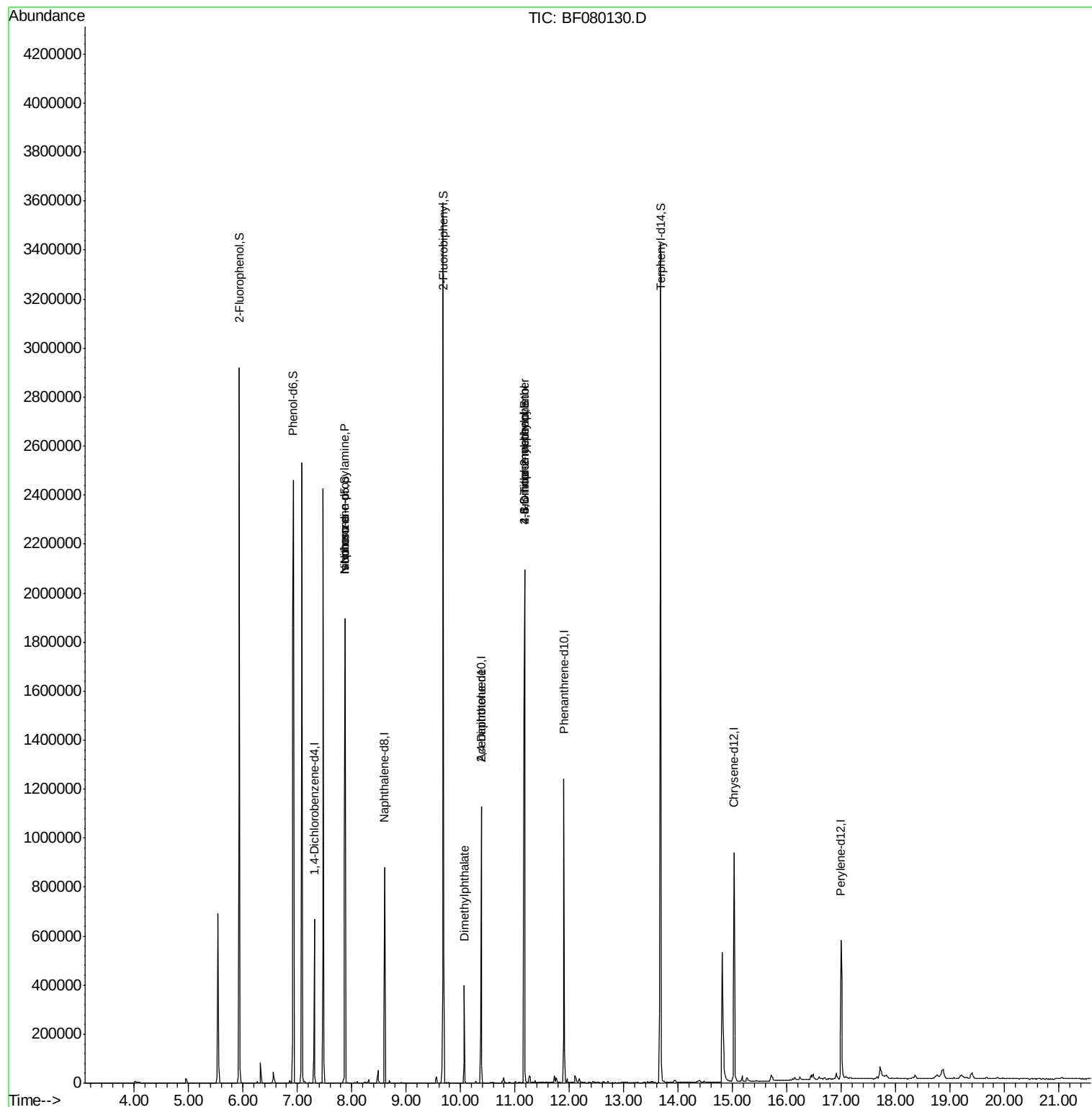
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.32  | 152  | 94170    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.61  | 136  | 382018   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.38 | 164  | 206760   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.90 | 188  | 431338   | 20.00  | ng    | 0.01     |
| 75) Chrysene-d12               | 15.03 | 240  | 402101   | 20.00  | ng    | 0.10     |
| 86) Perylene-d12               | 17.00 | 264  | 339373   | 20.00  | ng    | 0.16     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.93  | 112  | 810407   | 152.34 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.93  | 99   | 1138899  | 160.88 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.88  | 82   | 679772   | 103.59 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 11.18 | 330  | 327523   | 162.00 | ng    | 0.01     |
| 44) 2-Fluorobiphenyl           | 9.68  | 172  | 1032290  | 71.20  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.68 | 244  | 1548511  | 89.94  | ng    | 0.07     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.88  | 70   | 89881    | 18.29  | ng    | # 57     |
| 25) Isophorone                 | 7.88  | 82   | 674247   | 51.06  | ng    | # 58     |
| 49) Dimethylphthalate          | 10.07 | 163  | 159965   | 10.29  | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 10.38 | 165  | 26948    | 6.81   | ng    | # 33     |
| 64) 4,6-Dinitro-2-methylphenol | 11.18 | 198  | 856      | 3.97   | ng    | # 37     |
| 66) 4-Bromophenyl-phenylether  | 11.18 | 248  | 24474    | 5.34   | ng    | # 1      |

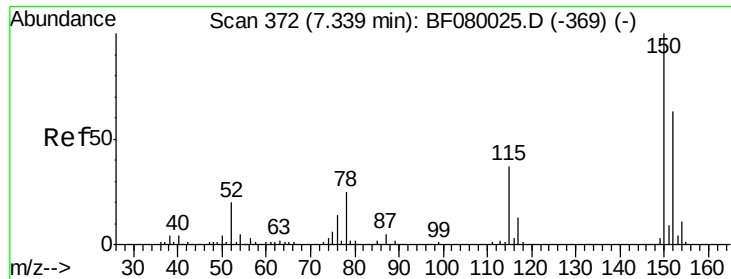
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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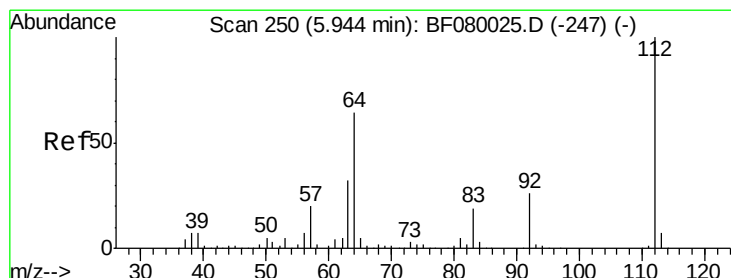
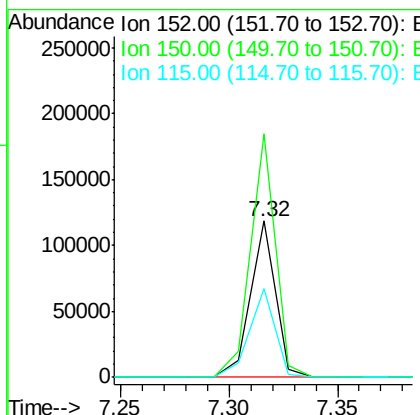
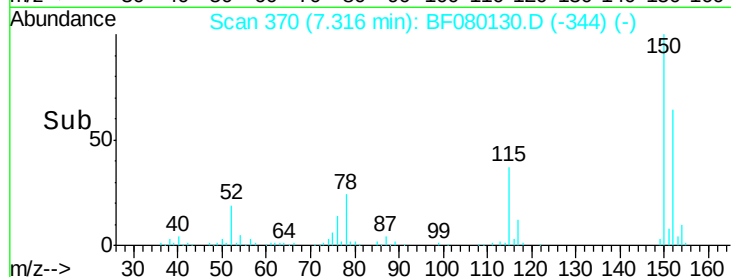
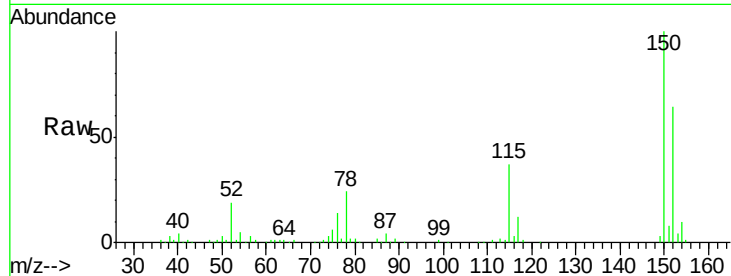




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.32 min Scan# 370  
 Delta R.T. 0.00 min  
 Lab File: BF080130.D  
 Acq: 24 Jun 2015 14:16

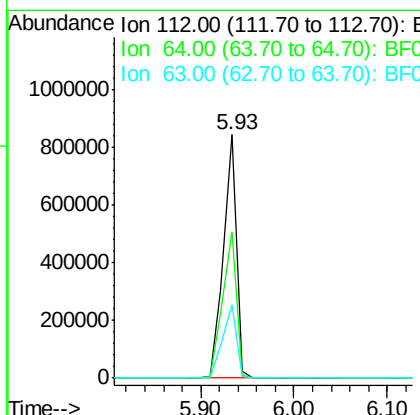
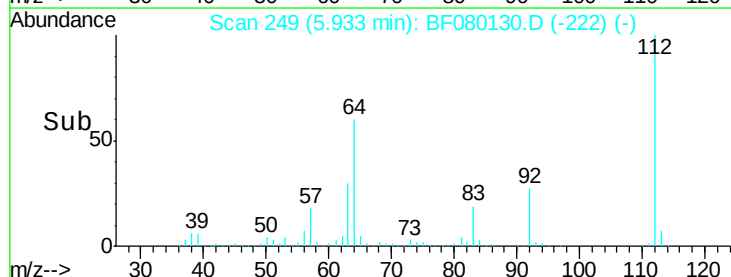
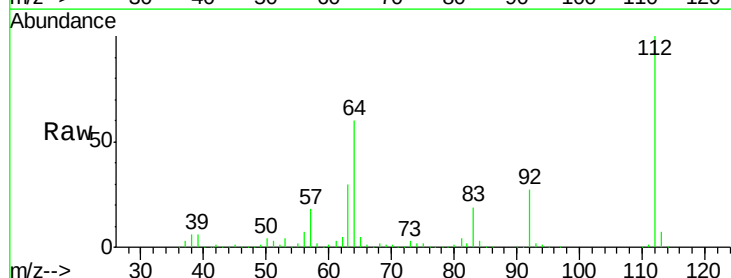
Instrument :  
 BNA\_F  
 ClientSampleId :  
 BOTTOMEAST-062315

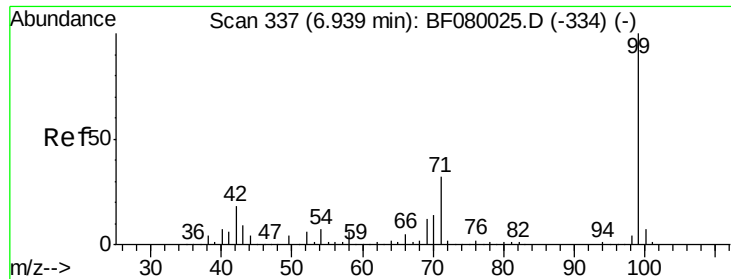
Tgt Ion:152 Resp: 94170  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 124.7 187.1  
 115 57.2 39.0 58.4



#5  
 2-Fluorophenol  
 Concen: 152.34 ng  
 RT: 5.93 min Scan# 249  
 Delta R.T. 0.01 min  
 Lab File: BF080130.D  
 Acq: 24 Jun 2015 14:16

Tgt Ion:112 Resp: 810407  
 Ion Ratio Lower Upper  
 112 100  
 64 60.3 39.7 59.5#  
 63 30.3 17.4 26.0#





#7

Phenol-d6

Concen: 160.88 ng

RT: 6.93 min Scan# 336

Delta R.T. 0.01 min

Lab File: BF080130.D

Acq: 24 Jun 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

BOTTOMEAST-062315

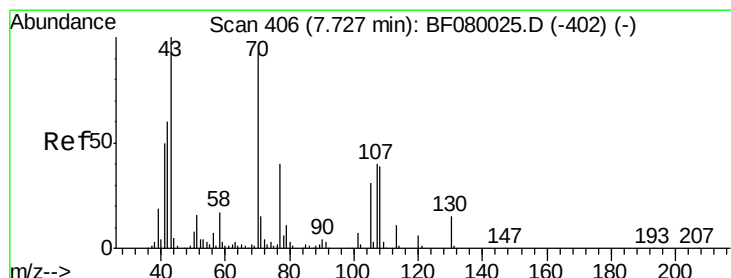
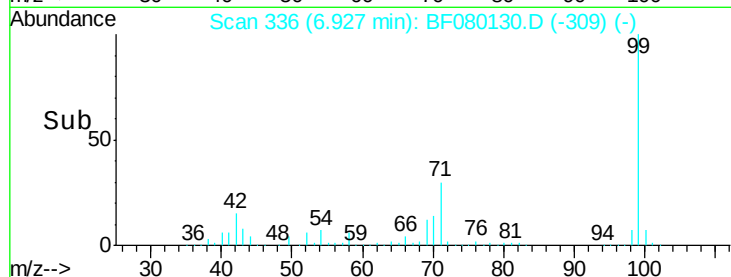
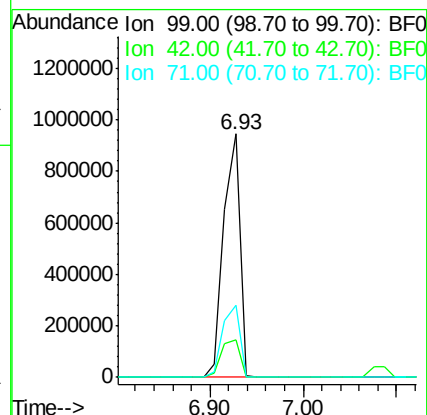
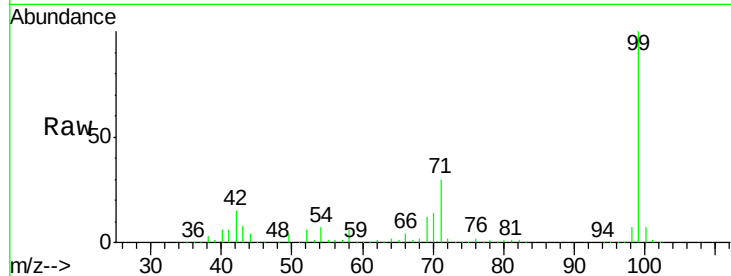
Tgt Ion: 99 Resp: 1138899

Ion Ratio Lower Upper

99 100

42 15.4 13.7 20.5

71 29.9 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 18.29 ng

RT: 7.88 min Scan# 419

Delta R.T. 0.17 min

Lab File: BF080130.D

Acq: 24 Jun 2015 14:16

Tgt Ion: 70 Resp: 89881

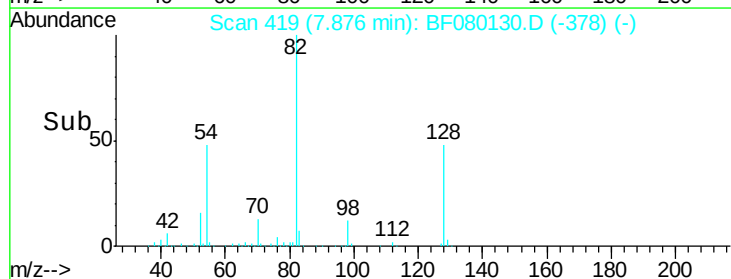
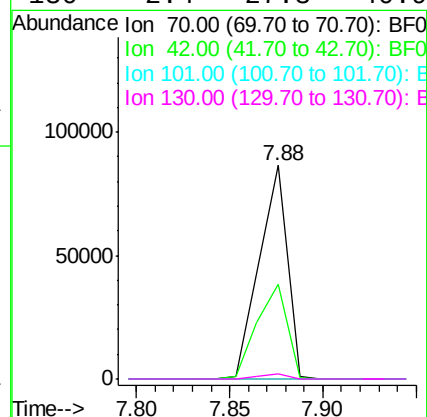
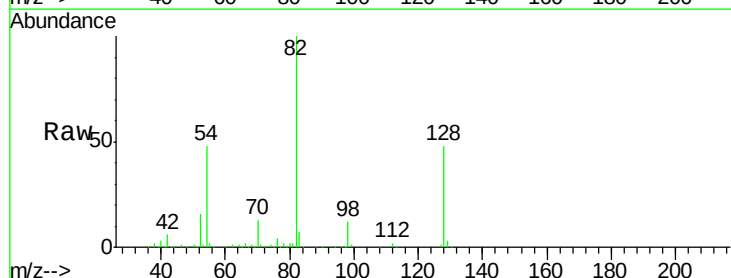
Ion Ratio Lower Upper

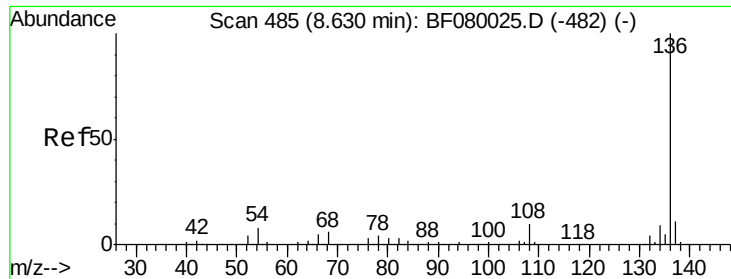
70 100

42 44.2 63.8 95.6#

101 0.0 9.2 13.8#

130 2.4 27.3 40.9#

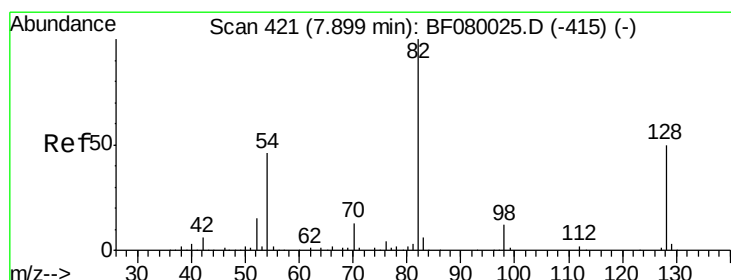
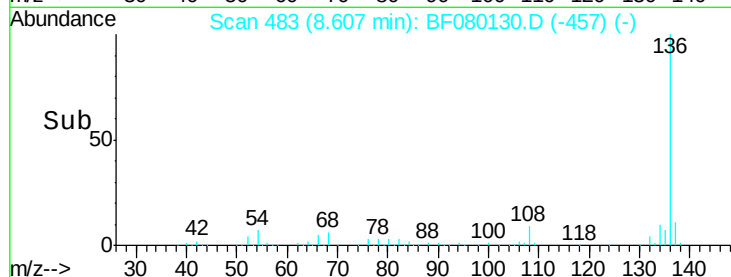
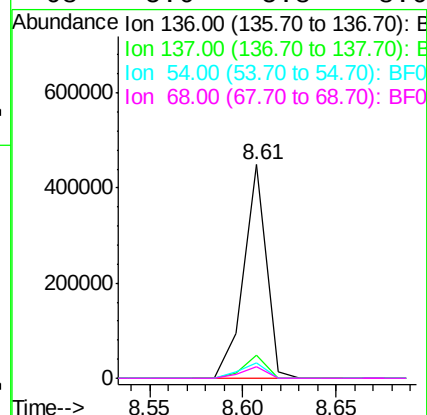
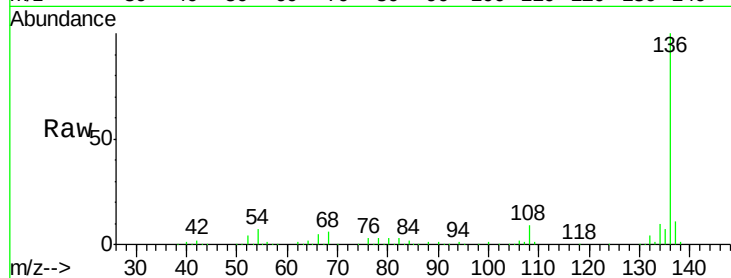




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.61 min Scan# 483  
Delta R.T. 0.00 min  
Lab File: BF080130.D  
Acq: 24 Jun 2015 14:16

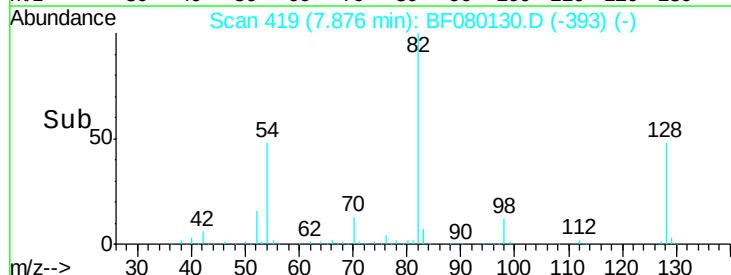
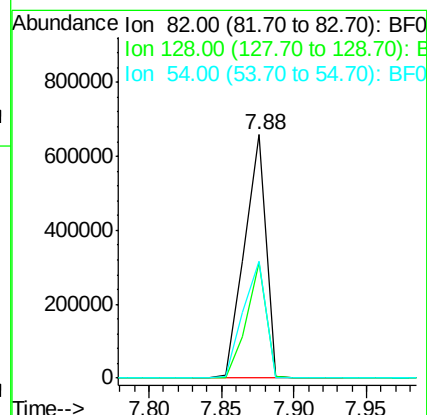
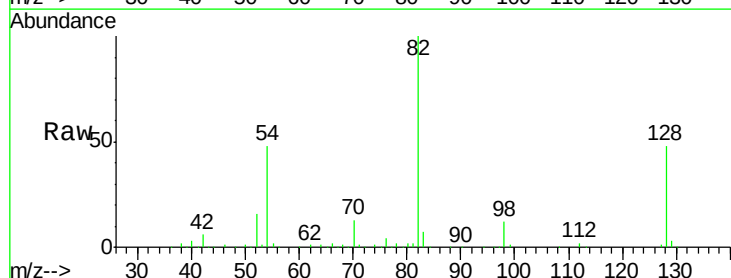
Instrument :  
BNA\_F  
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BOTTOMEAST-062315

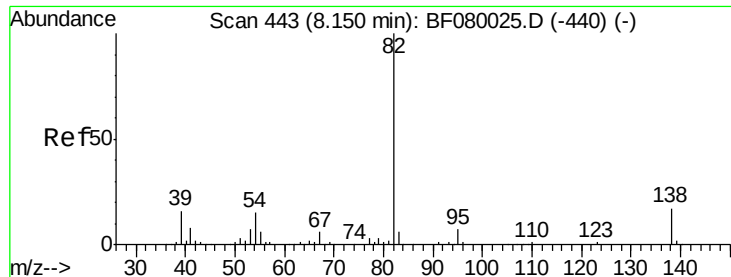
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 382018 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.7  | 9.0   | 13.6   |
| 54        | 7.3   | 8.2   | 12.2#  |
| 68        | 5.6   | 5.8   | 8.6#   |



#23  
Nitrobenzene-d5  
Concen: 103.59 ng  
RT: 7.88 min Scan# 419  
Delta R.T. 0.00 min  
Lab File: BF080130.D  
Acq: 24 Jun 2015 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 679772 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.6  | 51.0  | 76.6#  |
| 54        | 48.1  | 47.5  | 71.3   |





#25

Isophorone

Concen: 51.06 ng

RT: 7.88 min Scan# 419

Delta R.T. -0.25 min

Lab File: BF080130.D

Acq: 24 Jun 2015 14:16

Instrument :

BNA\_F

ClientSampleId :

BOTTOMEAST-062315

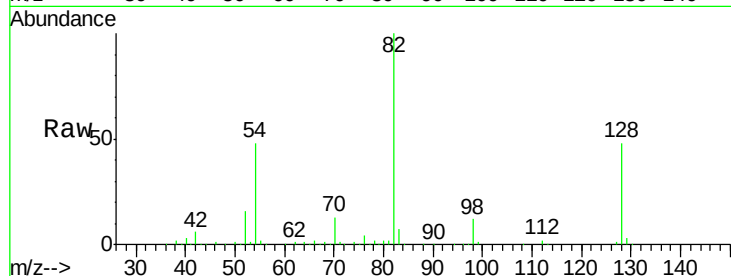
Tgt Ion: 82 Resp: 674247

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

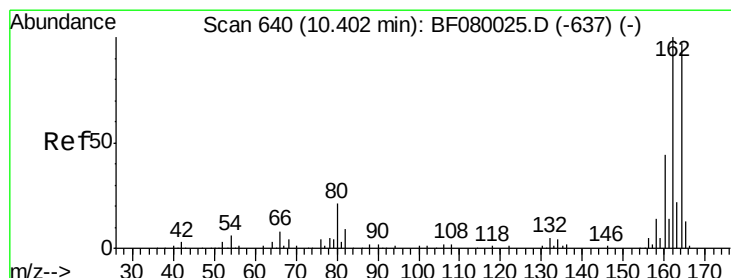
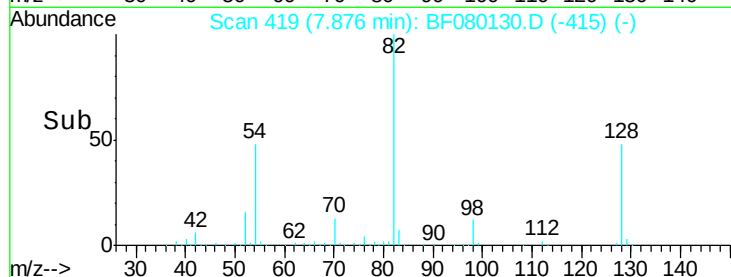
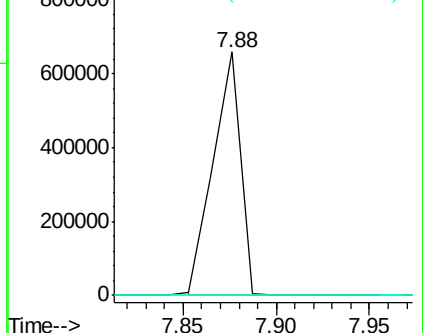
138 0.0 18.3 27.5#



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: 10.38 min Scan# 638

Delta R.T. 0.00 min

Lab File: BF080130.D

Acq: 24 Jun 2015 14:16

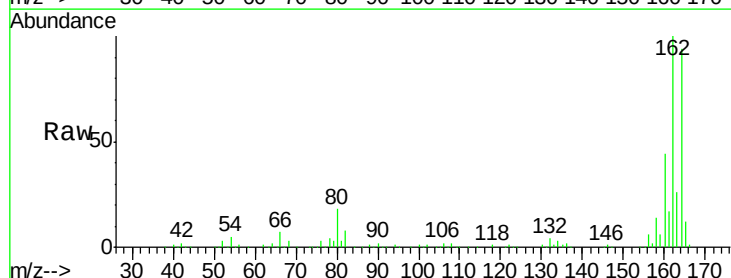
Tgt Ion: 164 Resp: 206760

Ion Ratio Lower Upper

164 100

162 105.9 75.2 112.8

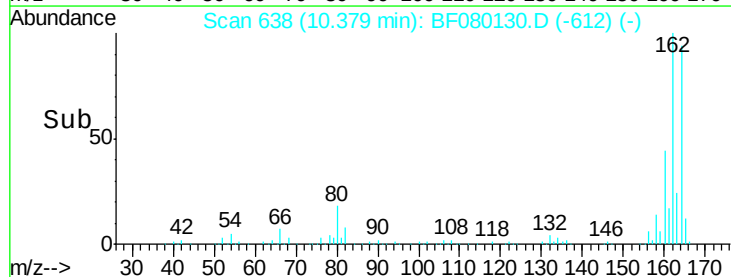
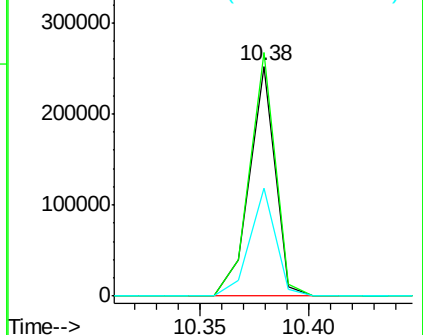
160 46.9 31.5 47.3

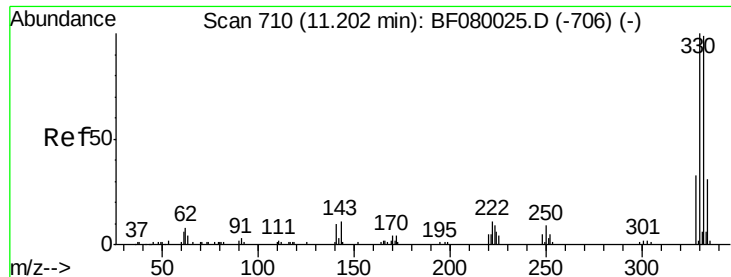


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

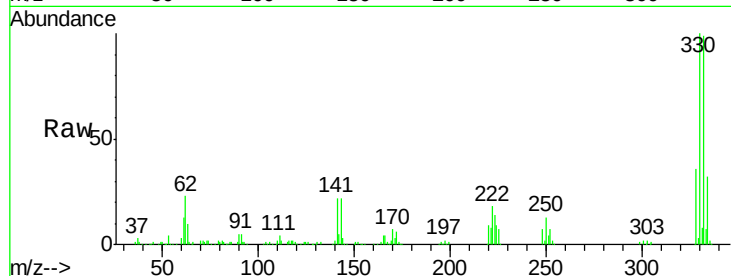




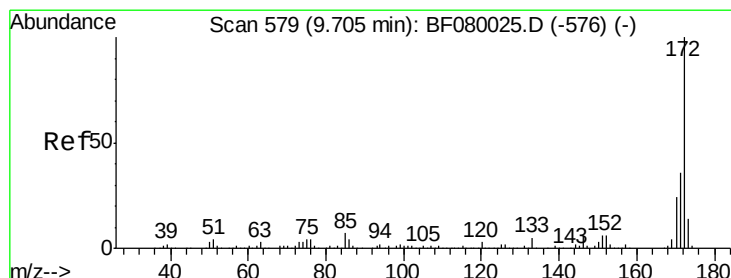
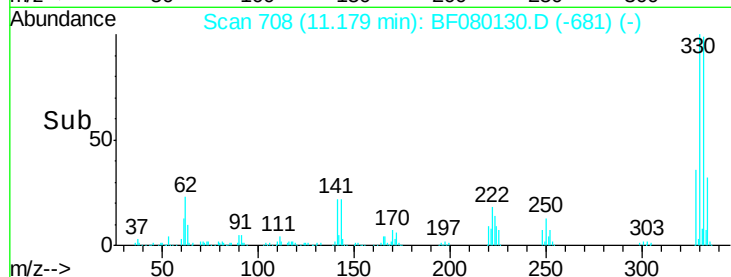
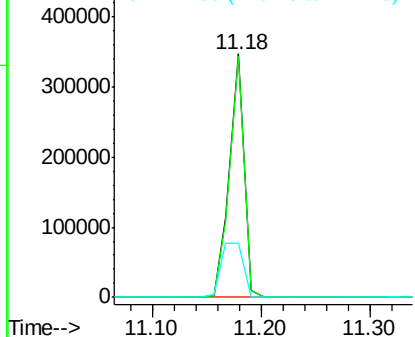
#41  
 2,4,6-Tribromophenol  
 Concen: 162.00 ng  
 RT: 11.18 min Scan# 708  
 Delta R.T. 0.01 min  
 Lab File: BF080130.D  
 Acq: 24 Jun 2015 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BOTTOMEAST-062315

Tgt Ion:330 Resp: 327523  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 76.6 114.8  
 141 33.9 29.7 44.5

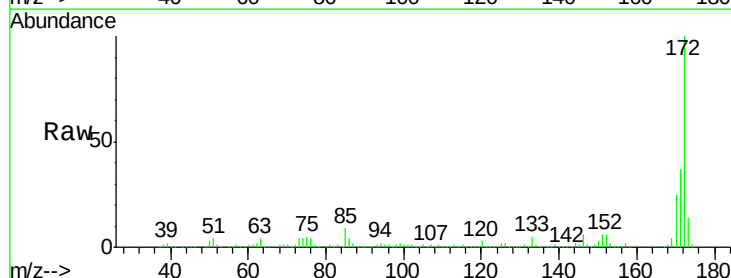


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

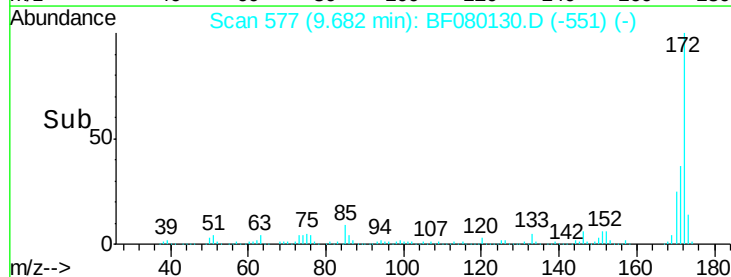
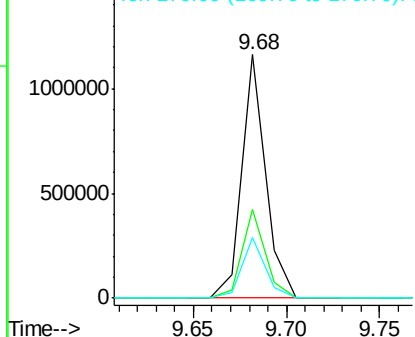


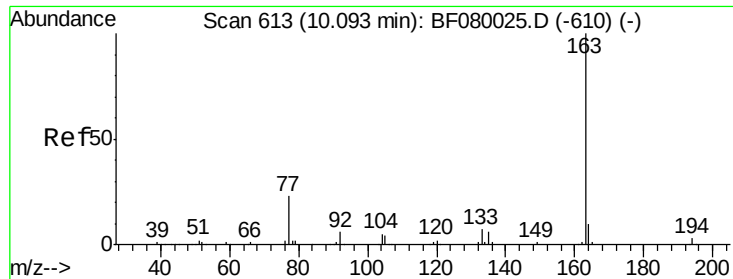
#44  
 2-Fluorobiphenyl  
 Concen: 71.20 ng  
 RT: 9.68 min Scan# 577  
 Delta R.T. 0.00 min  
 Lab File: BF080130.D  
 Acq: 24 Jun 2015 14:16

Tgt Ion:172 Resp: 1032290  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 26.1 39.1  
 170 25.0 17.4 26.2



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

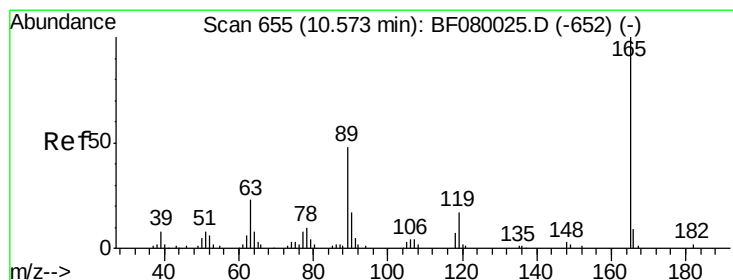
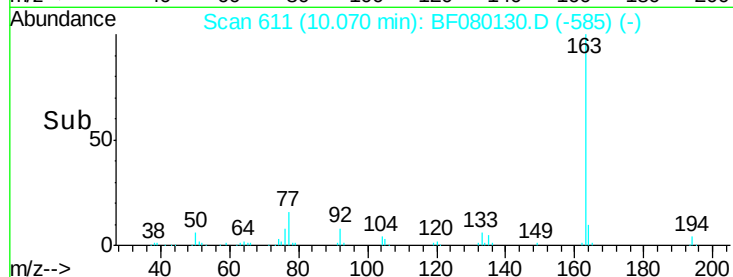
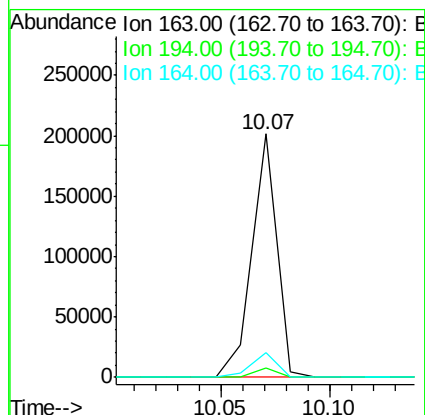
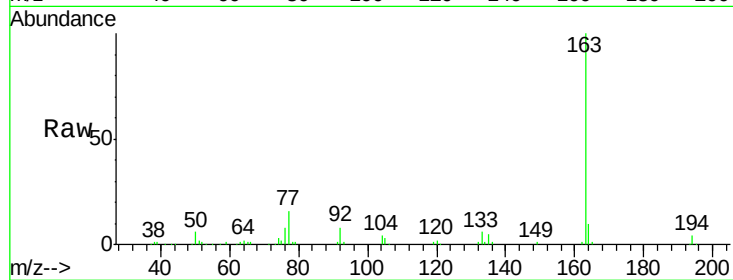




#49  
Dimethylphthalate  
Concen: 10.29 ng  
RT: 10.07 min Scan# 611  
Delta R.T. 0.00 min  
Lab File: BF080130.D  
Acq: 24 Jun 2015 14:16

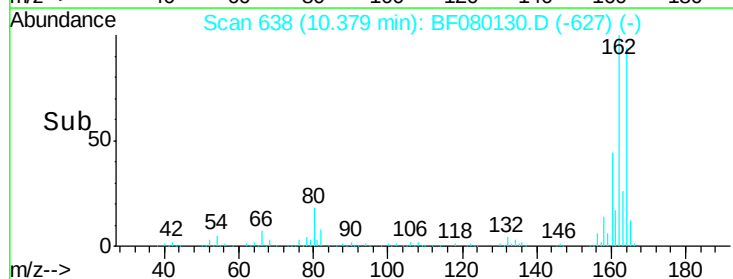
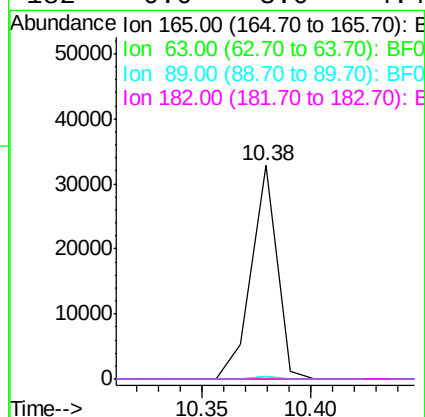
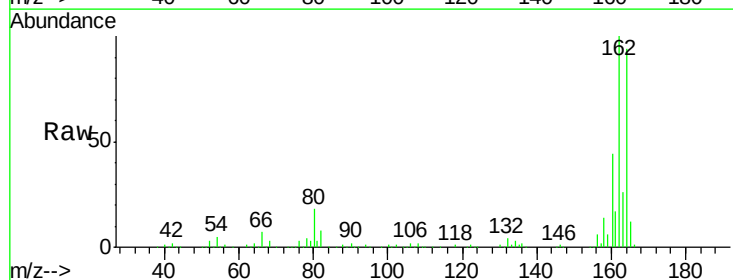
Instrument :  
BNA\_F  
ClientSampleId :  
BOTTOMEAST-062315

Tgt Ion:163 Resp: 159965  
Ion Ratio Lower Upper  
163 100  
194 3.6 4.4 6.6#  
164 10.0 8.3 12.5

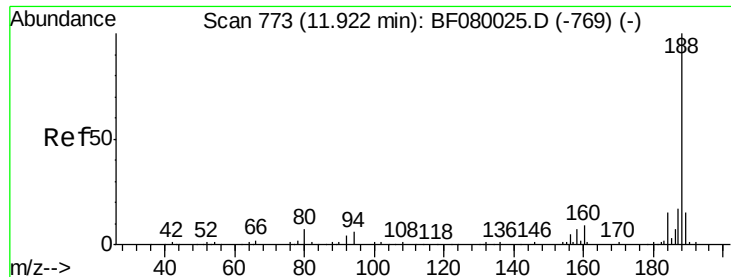


#56  
2,4-Dinitrotoluene  
Concen: 6.81 ng  
RT: 10.38 min Scan# 638  
Delta R.T. -0.17 min  
Lab File: BF080130.D  
Acq: 24 Jun 2015 14:16

Tgt Ion:165 Resp: 26948  
Ion Ratio Lower Upper  
165 100  
63 1.4 29.8 44.6#  
89 1.1 44.5 66.7#  
182 0.0 3.0 4.4#



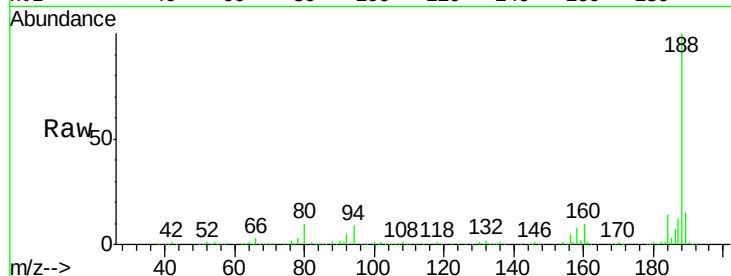




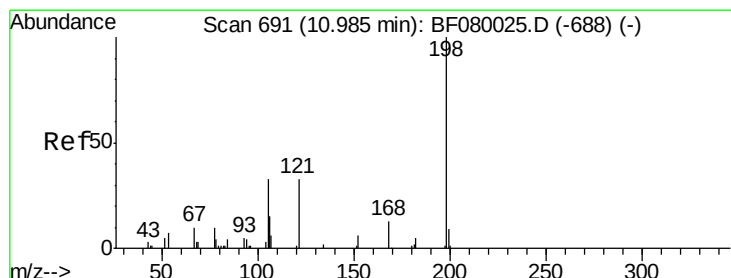
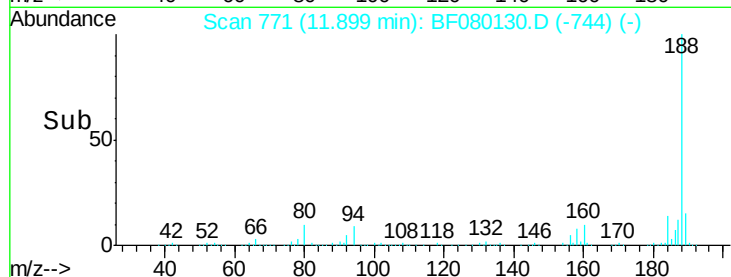
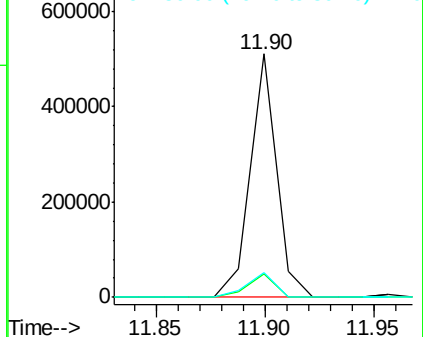
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.90 min Scan# 771  
 Delta R.T. 0.01 min  
 Lab File: BF080130.D  
 Acq: 24 Jun 2015 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BOTTOMEAST-062315

Tgt Ion:188 Resp: 431338  
 Ion Ratio Lower Upper  
 188 100  
 94 9.4 11.1 16.7#  
 80 10.3 11.0 16.4#

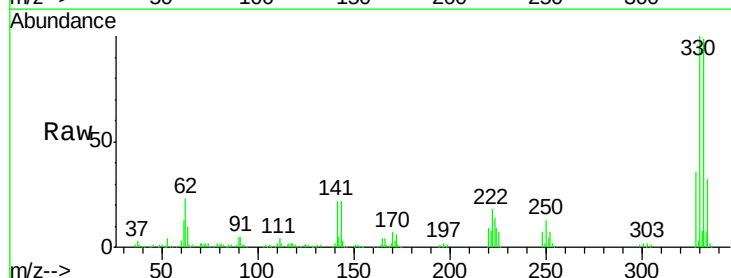


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

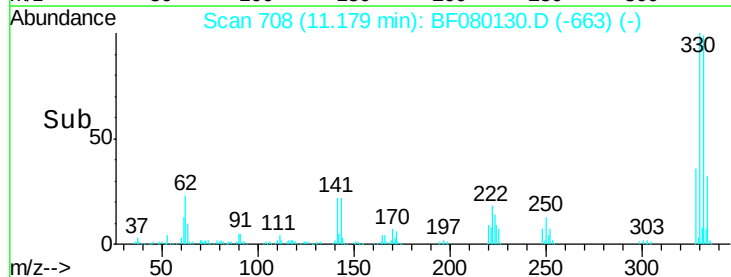
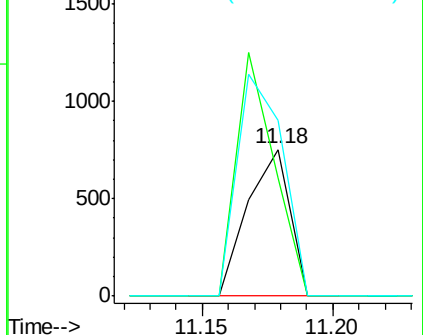


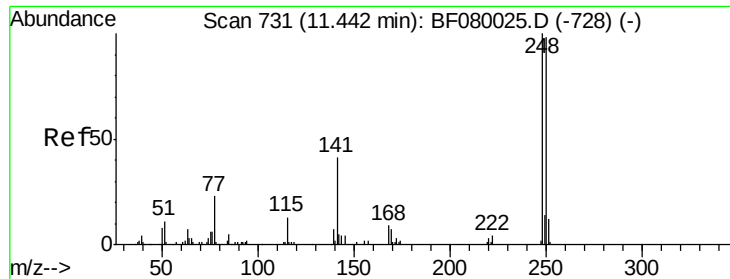
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 3.97 ng  
 RT: 11.18 min Scan# 708  
 Delta R.T. 0.22 min  
 Lab File: BF080130.D  
 Acq: 24 Jun 2015 14:16

Tgt Ion:198 Resp: 856  
 Ion Ratio Lower Upper  
 198 100  
 51 80.7 39.6 79.6#  
 105 119.9 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF0  
 Ion 105.00 (104.70 to 105.70): E

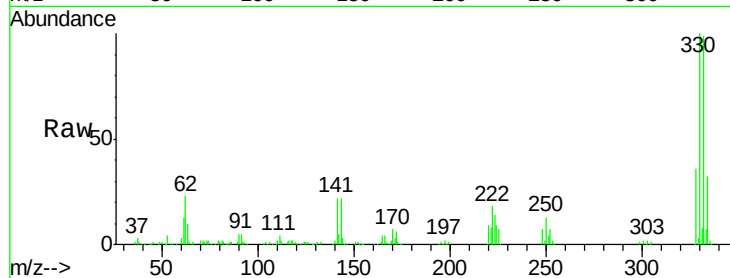




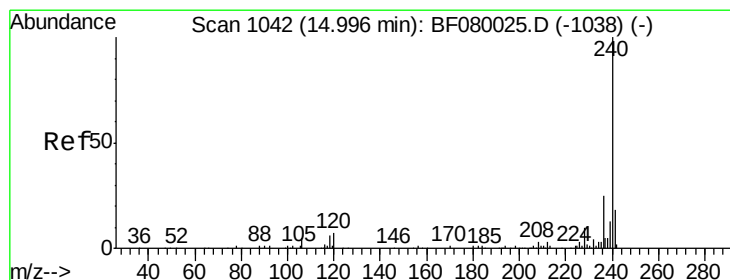
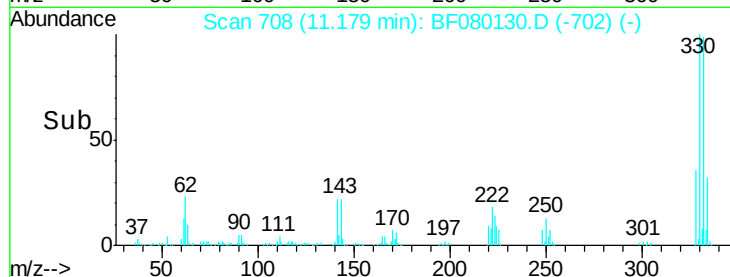
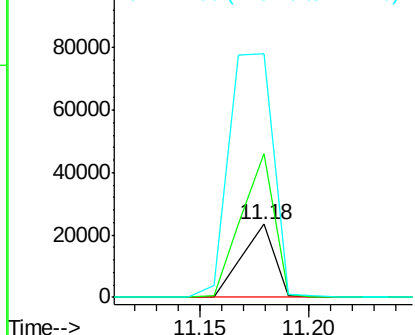
#66  
4-Bromophenyl-phenylether  
Concen: 5.34 ng  
RT: 11.18 min Scan# 708  
Delta R.T. -0.23 min  
Lab File: BF080130.D  
Acq: 24 Jun 2015 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
BOTTOMEAST-062315

Tgt Ion:248 Resp: 24474  
Ion Ratio Lower Upper  
248 100  
250 198.2 78.5 117.7#  
141 334.5 59.0 88.6#

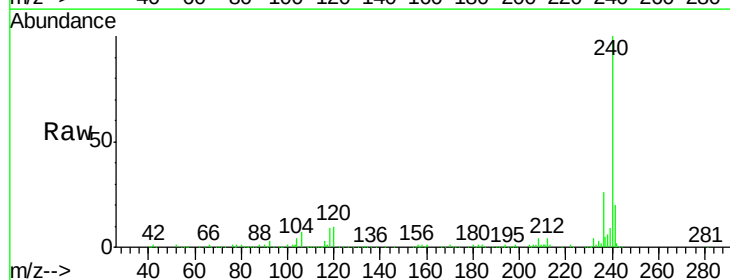


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

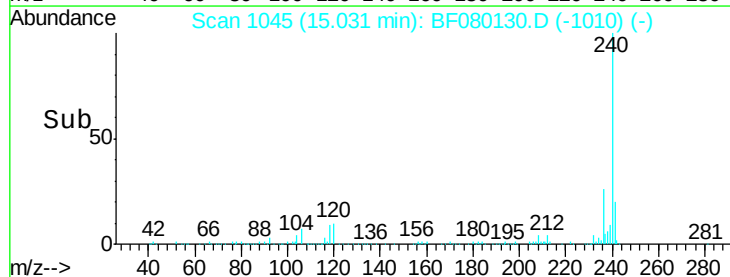
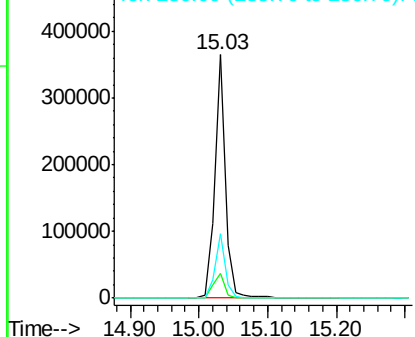


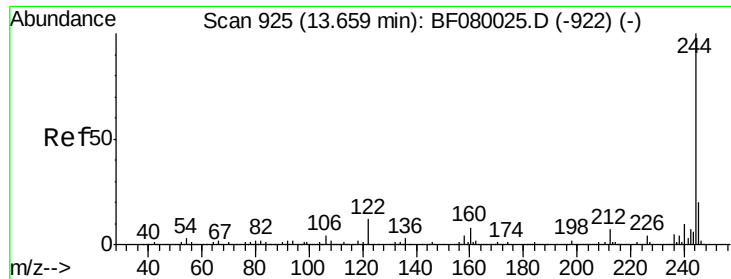
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.03 min Scan# 1045  
Delta R.T. 0.10 min  
Lab File: BF080130.D  
Acq: 24 Jun 2015 14:16

Tgt Ion:240 Resp: 402101  
Ion Ratio Lower Upper  
240 100  
120 10.2 16.2 24.2#  
236 26.3 18.4 27.6



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

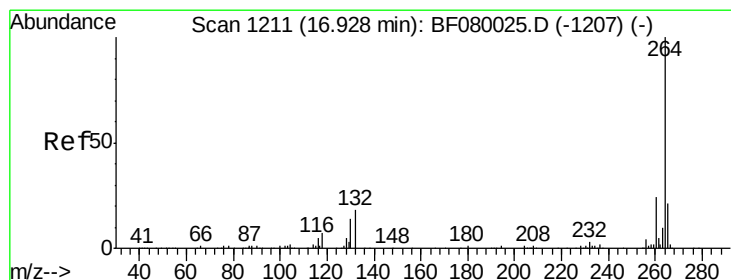
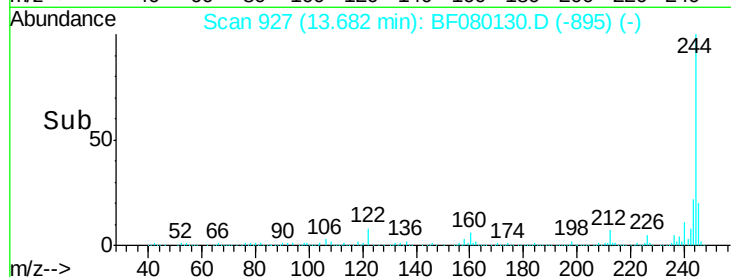
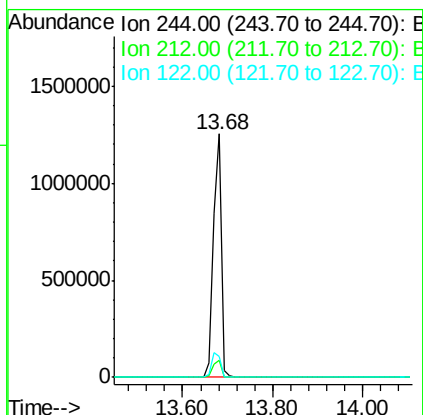
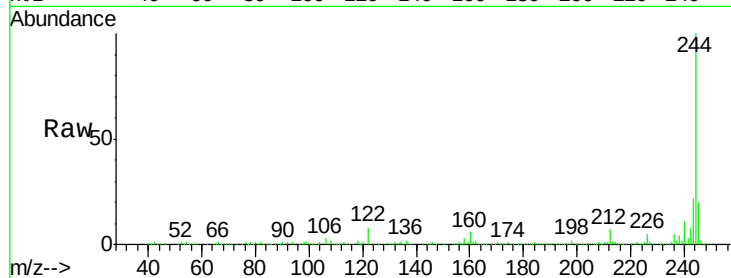




#78  
 Terphenyl-d14  
 Concen: 89.94 ng  
 RT: 13.68 min Scan# 927  
 Delta R.T. 0.07 min  
 Lab File: BF080130.D  
 Acq: 24 Jun 2015 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BOTTOMEAST-062315

Tgt Ion:244 Resp: 1548511  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 4.3 6.5#  
 122 8.4 17.4 26.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.00 min Scan# 1217  
 Delta R.T. 0.16 min  
 Lab File: BF080130.D  
 Acq: 24 Jun 2015 14:16

Tgt Ion:264 Resp: 339373  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 16.7 25.1  
 265 22.1 17.2 25.8

