

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF072216\  
 Data File : BF089214.D  
 Acq On : 23 Jul 2016 2:10  
 Operator : UM/SJ  
 Sample : H4129-10  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KSB-16-8.0-10.0

Quant Time: Jul 25 00:56:28 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 20 19:03:15 2016  
 Response via : Initial Calibration

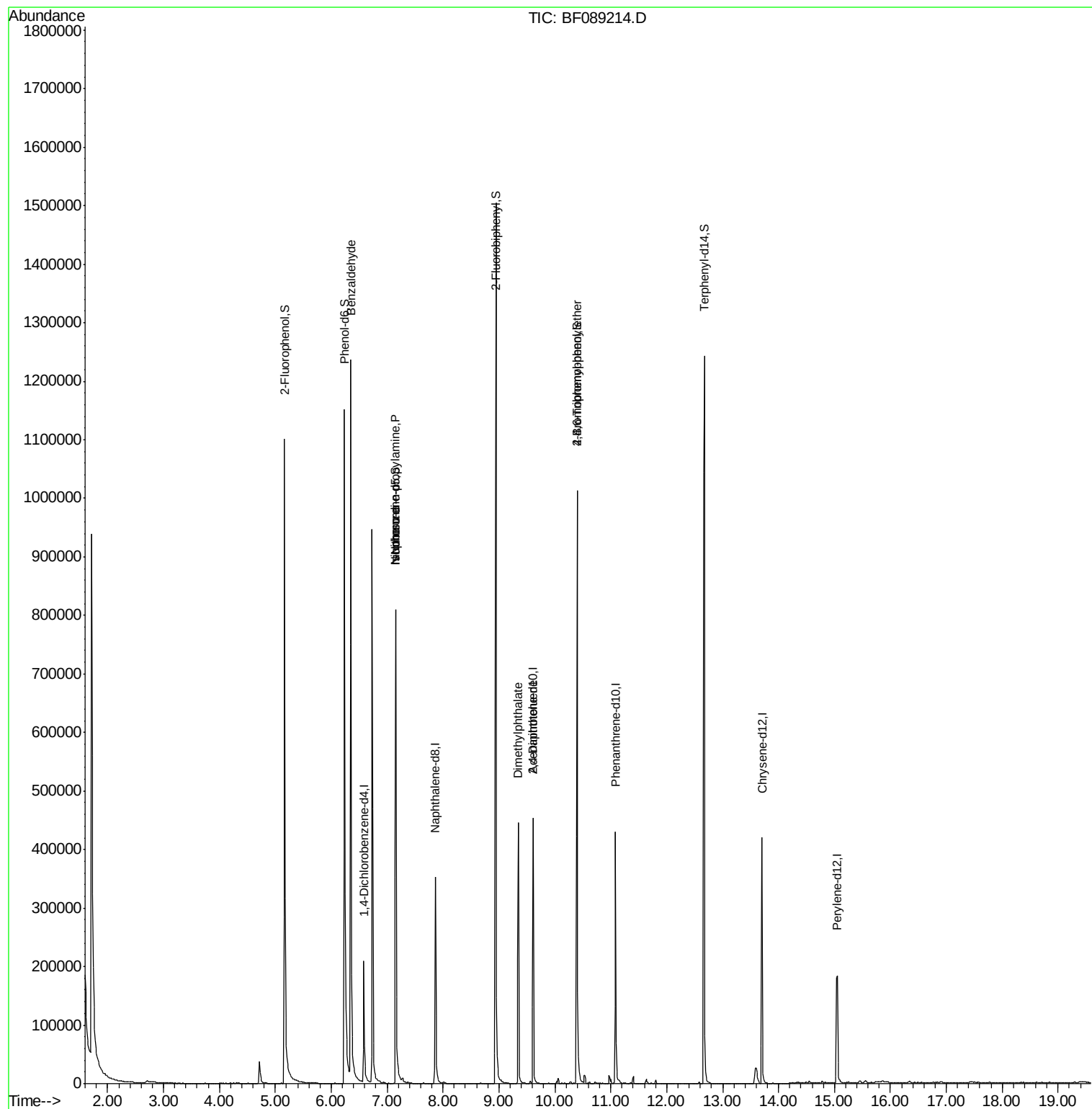
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.58  | 152  | 47052    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.86  | 136  | 203007   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.61  | 164  | 99681    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.08 | 188  | 193742   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 13.70 | 240  | 151329   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.05 | 264  | 109926   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.16  | 112  | 419739   | 135.67 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.24  | 99   | 566098   | 141.89 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.15  | 82   | 374561   | 98.03  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.40 | 330  | 122884   | 136.92 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 8.95  | 172  | 647678   | 89.52  | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.67 | 244  | 561075   | 80.42  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.35  | 77   | 10485    | 3.77   | ng    | 85       |
| 19) n-Nitroso-di-n-propylamine | 7.15  | 70   | 49948    | 19.14  | ng    | # 78     |
| 25) Isophorone                 | 7.15  | 82   | 280505   | 39.83  | ng    | # 66     |
| 49) Dimethylphthalate          | 9.35  | 163  | 237771   | 31.08  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.61  | 165  | 12335    | 5.55   | ng    | # 10     |
| 66) 4-Bromophenyl-phenylether  | 10.40 | 248  | 9820     | 5.12   | ng    | # 1      |

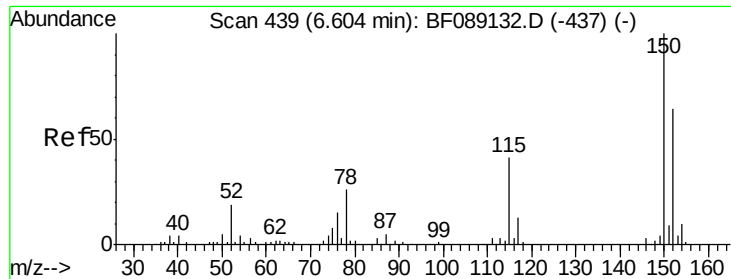
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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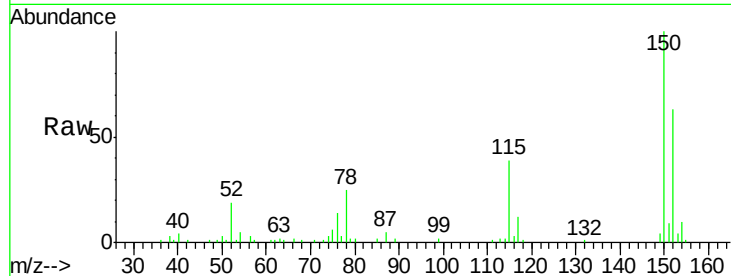


#1

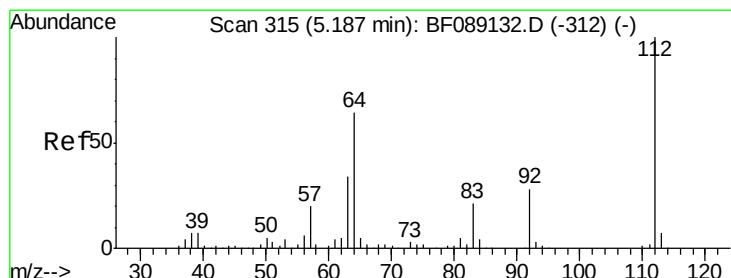
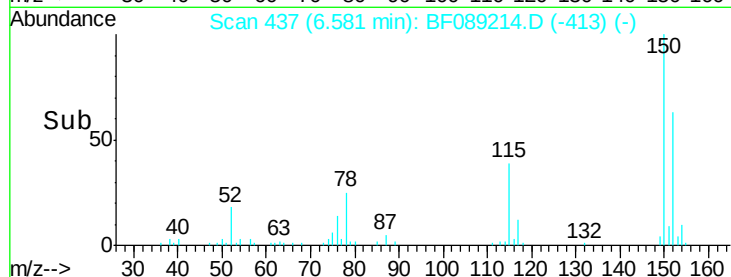
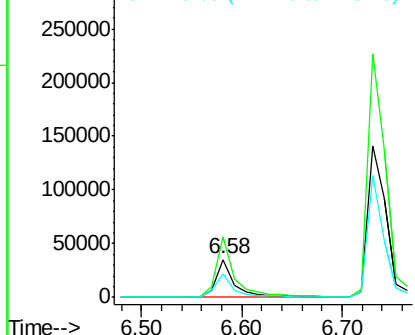
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.58 min Scan# 437  
Delta R.T. -0.02 min  
Lab File: BF089214.D  
Acq: 23 Jul 2016 2:10

Instrument :  
BNA\_F  
ClientSampleId :  
KSB-16-8.0-10.0

Tgt Ion:152 Resp: 47052  
Ion Ratio Lower Upper  
152 100  
150 158.5 125.1 187.7  
115 62.3 51.1 76.7



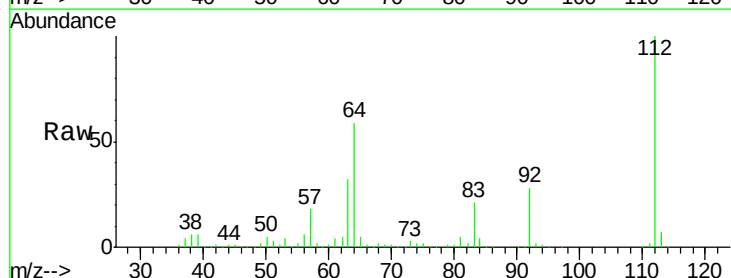
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



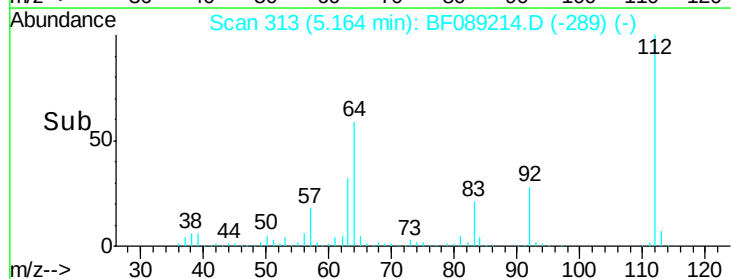
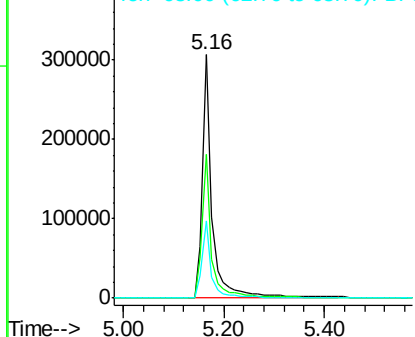
#5

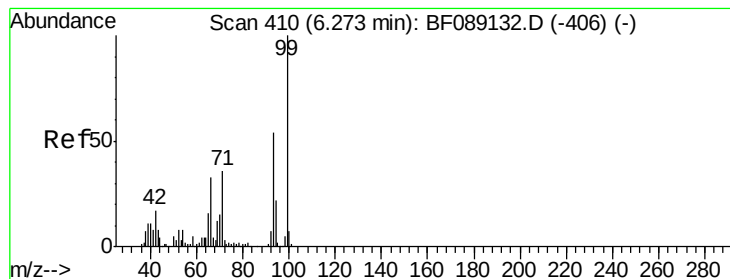
2-Fluorophenol  
Concen: 135.67 ng  
RT: 5.16 min Scan# 313  
Delta R.T. -0.02 min  
Lab File: BF089214.D  
Acq: 23 Jul 2016 2:10

Tgt Ion:112 Resp: 419739  
Ion Ratio Lower Upper  
112 100  
64 58.9 51.0 76.4  
63 31.9 27.3 40.9



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: 141.89 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089214.D

Acq: 23 Jul 2016 2:10

Instrument :

BNA\_F

ClientSampleId :

KSB-16-8.0-10.0

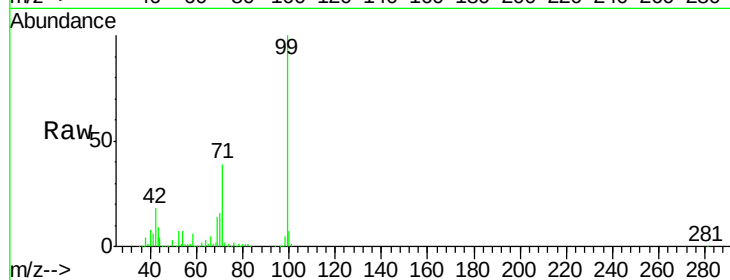
Tgt Ion: 99 Resp: 566098

Ion Ratio Lower Upper

99 100

42 18.4 13.5 20.3

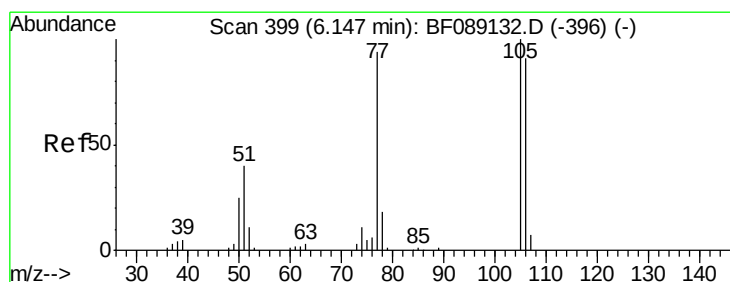
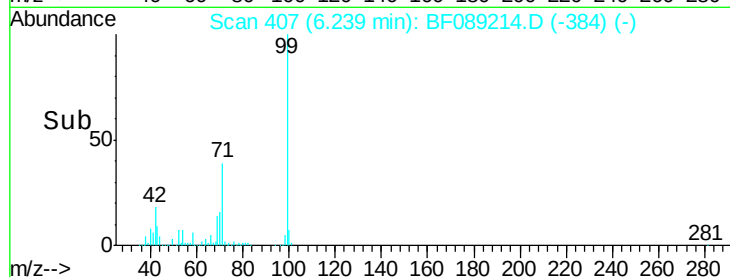
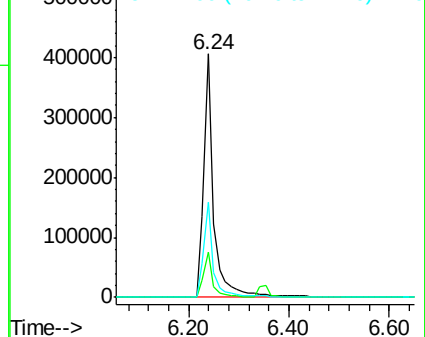
71 39.2 28.9 43.3



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



#9

Benzaldehyde

Concen: 3.77 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.21 min

Lab File: BF089214.D

Acq: 23 Jul 2016 2:10

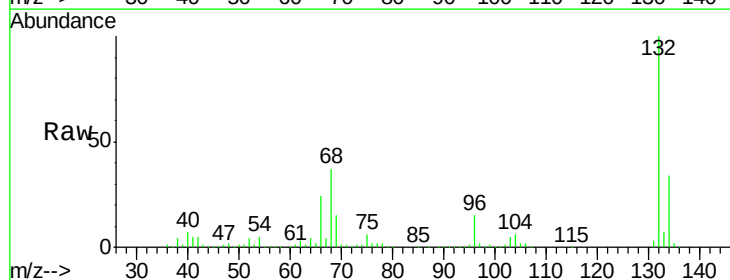
Tgt Ion: 77 Resp: 10485

Ion Ratio Lower Upper

77 100

105 89.3 86.2 126.2

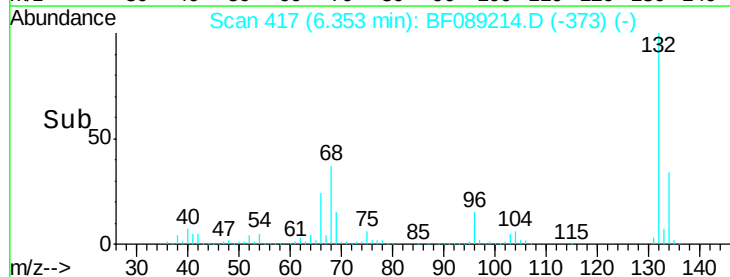
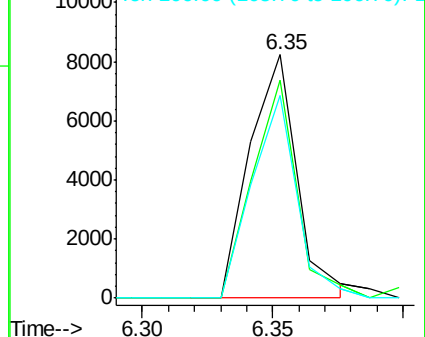
106 83.3 76.3 116.3

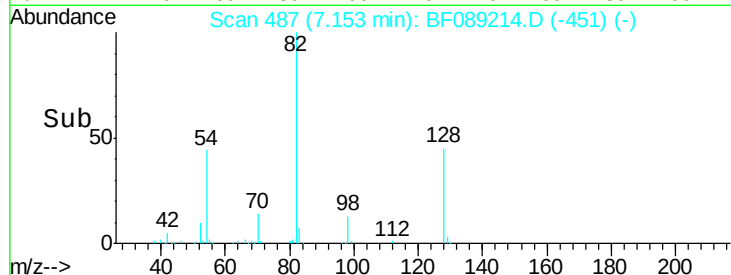
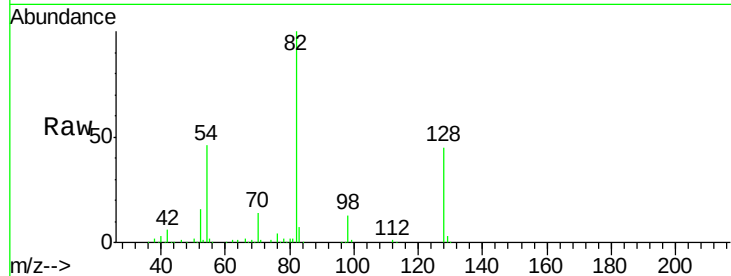
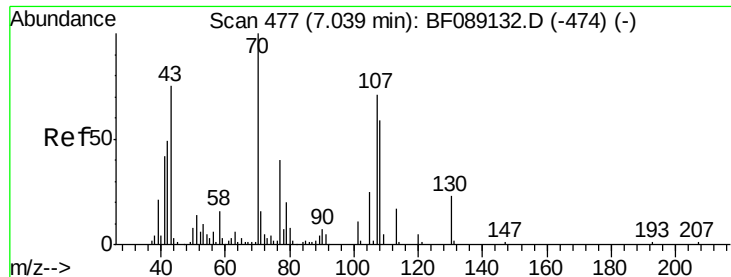


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

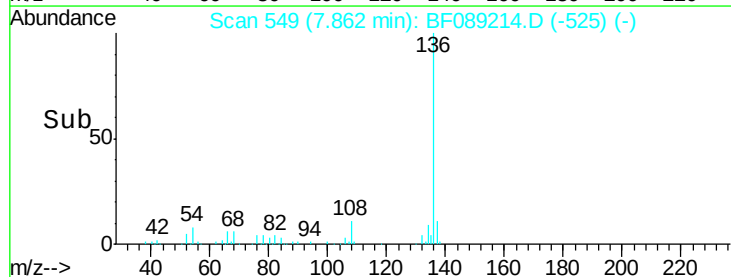
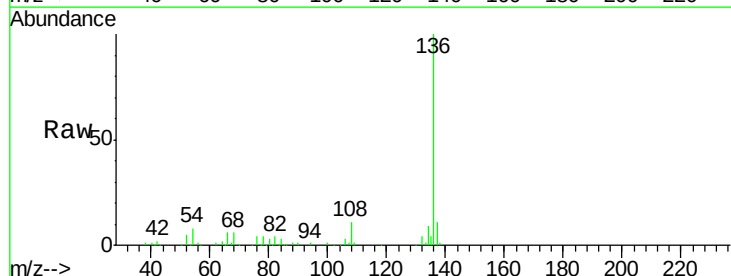
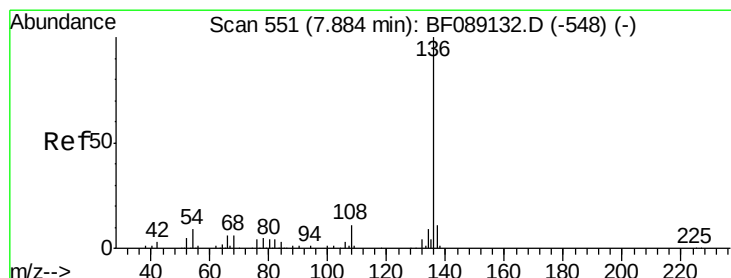
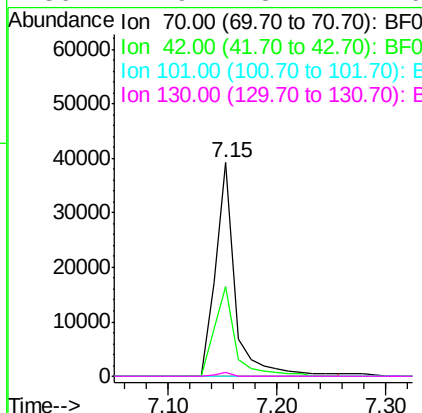




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.14 ng  
RT: 7.15 min Scan# 487  
Delta R.T. 0.11 min  
Lab File: BF089214.D  
Acq: 23 Jul 2016 2:10

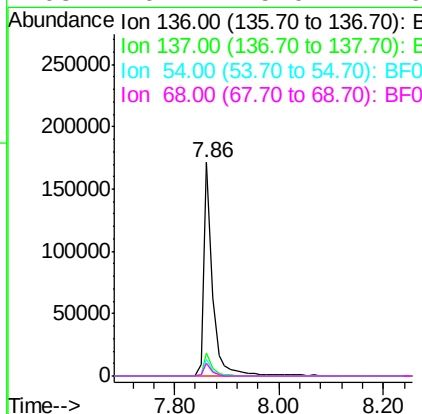
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-16-8.0-10.0

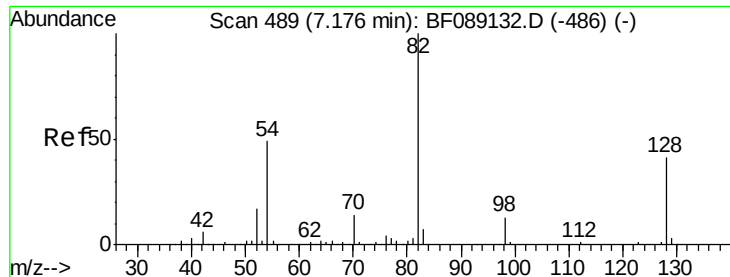
Tgt Ion: 70 Resp: 49948  
Ion Ratio Lower Upper  
70 100  
42 42.1 39.2 58.8  
101 0.0 8.5 12.7#  
130 1.9 18.4 27.6#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.86 min Scan# 549  
Delta R.T. -0.02 min  
Lab File: BF089214.D  
Acq: 23 Jul 2016 2:10

Tgt Ion: 136 Resp: 203007  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 8.0 7.0 10.4  
68 6.1 5.0 7.6

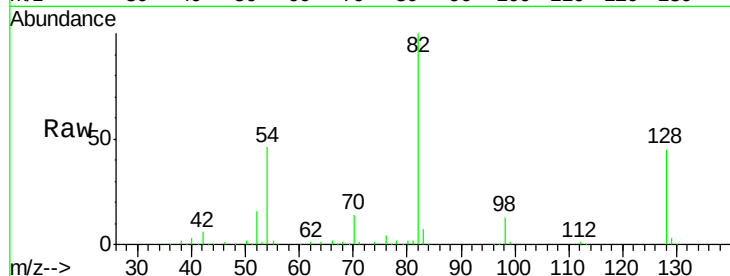




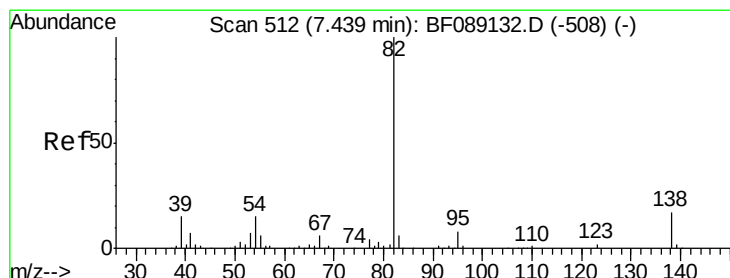
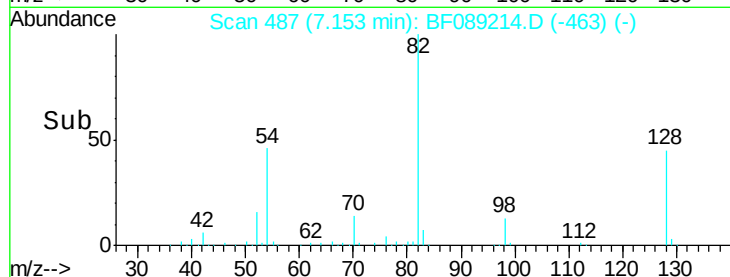
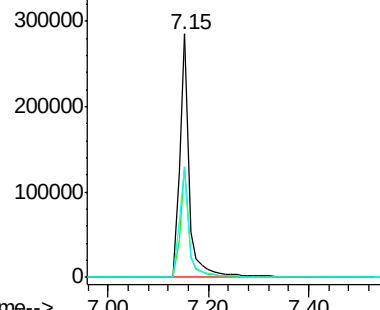
#23  
 Nitrobenzene-d5  
 Concen: 98.03 ng  
 RT: 7.15 min Scan# 487  
 Delta R.T. -0.02 min  
 Lab File: BF089214.D  
 Acq: 23 Jul 2016 2:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KSB-16-8.0-10.0

Tgt Ion: 82 Resp: 374561  
 Ion Ratio Lower Upper  
 82 100  
 128 45.3 33.0 49.6  
 54 45.6 39.0 58.4

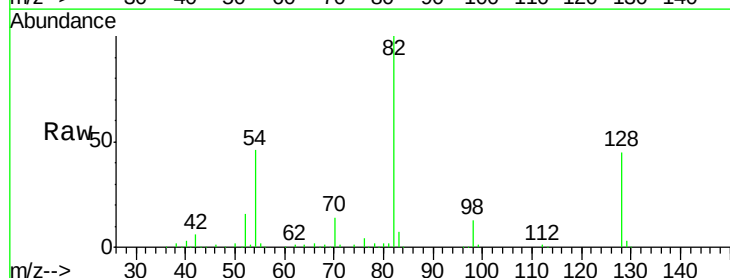


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

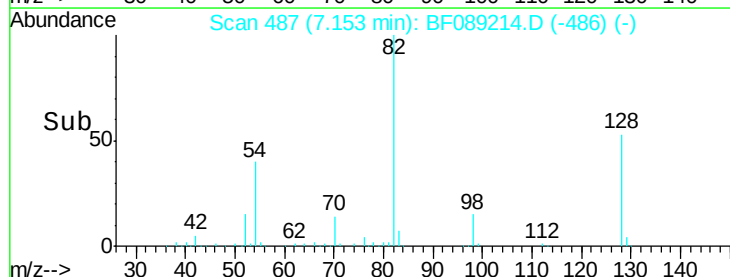
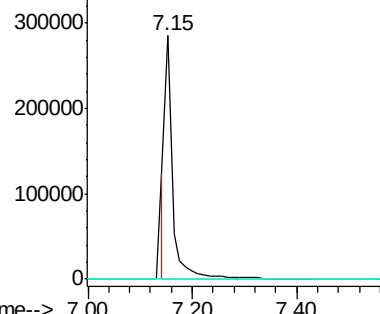


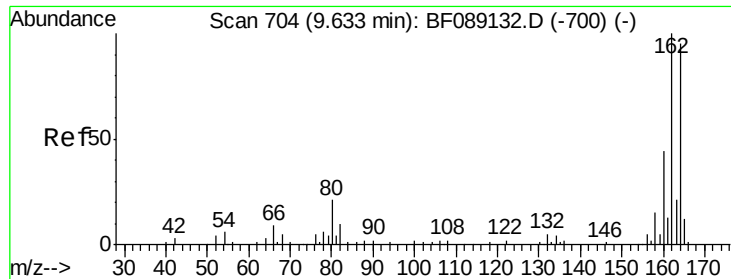
#25  
 Isophorone  
 Concen: 39.83 ng  
 RT: 7.15 min Scan# 487  
 Delta R.T. -0.29 min  
 Lab File: BF089214.D  
 Acq: 23 Jul 2016 2:10

Tgt Ion: 82 Resp: 280505  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 6.1 9.1#  
 138 0.0 13.6 20.4#



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): BF0

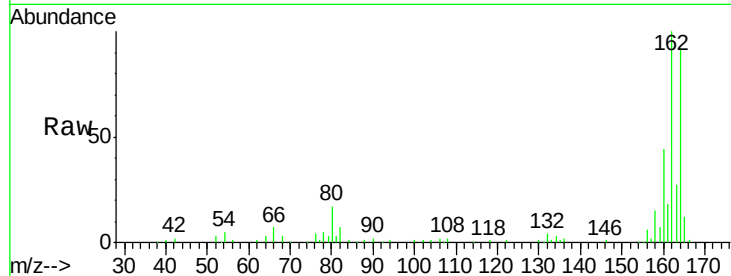




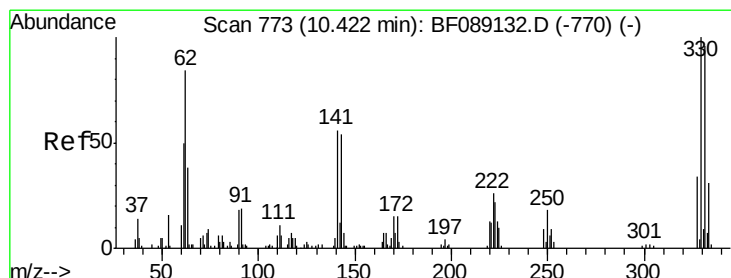
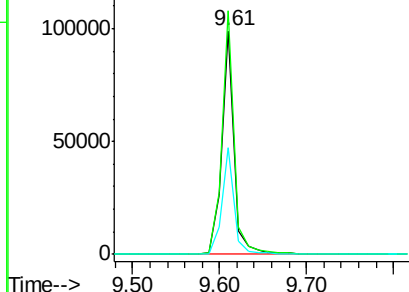
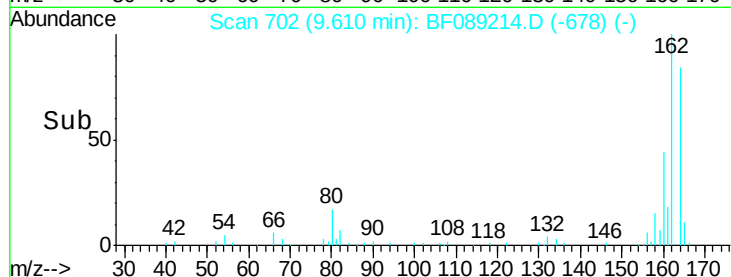
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.61 min Scan# 702  
Delta R.T. -0.02 min  
Lab File: BF089214.D  
Acq: 23 Jul 2016 2:10

Instrument :  
BNA\_F  
ClientSampleId :  
KSB-16-8.0-10.0

Tgt Ion:164 Resp: 99681  
Ion Ratio Lower Upper  
164 100  
162 109.0 84.1 126.1  
160 47.7 37.1 55.7

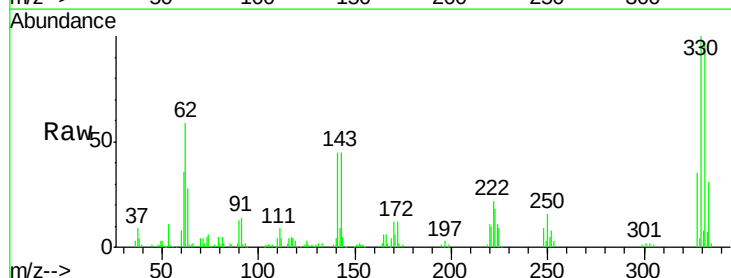


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

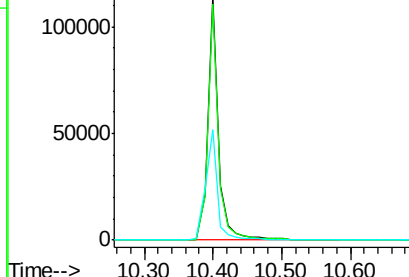
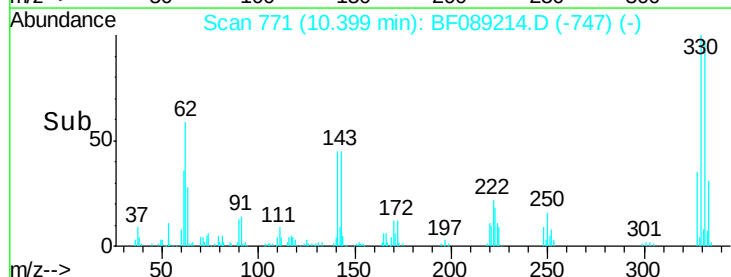


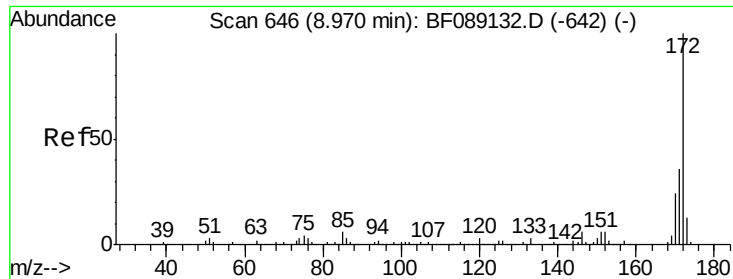
#41  
2,4,6-Tribromophenol  
Concen: 136.92 ng  
RT: 10.40 min Scan# 771  
Delta R.T. -0.02 min  
Lab File: BF089214.D  
Acq: 23 Jul 2016 2:10

Tgt Ion:330 Resp: 122884  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.2 115.8  
141 50.0 42.2 63.2



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

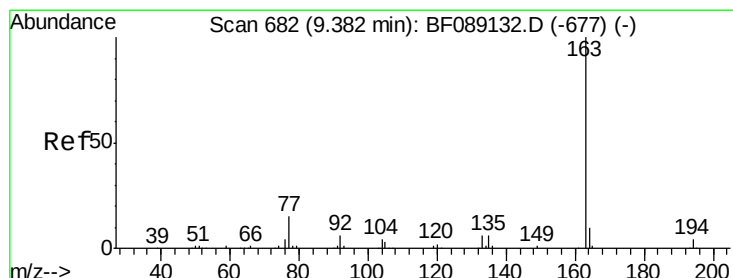
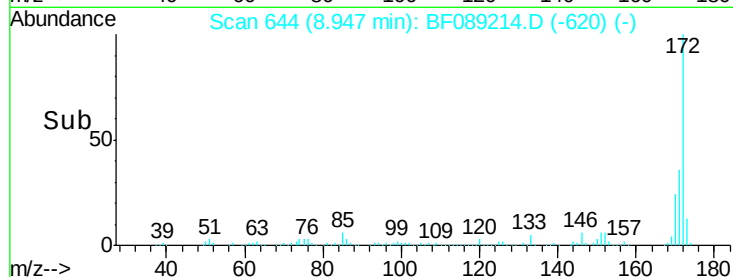
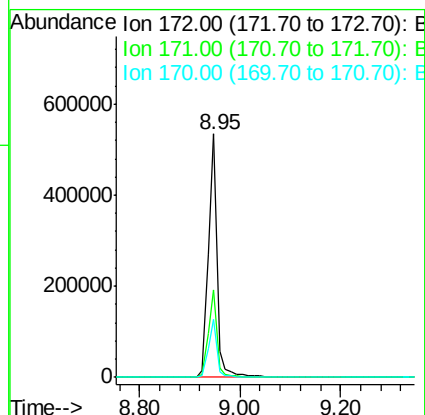
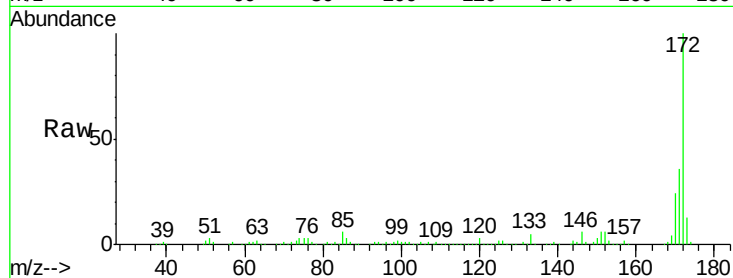




#44  
2-Fluorobiphenyl  
Concen: 89.52 ng  
RT: 8.95 min Scan# 644  
Delta R.T. -0.02 min  
Lab File: BF089214.D  
Acq: 23 Jul 2016 2:10

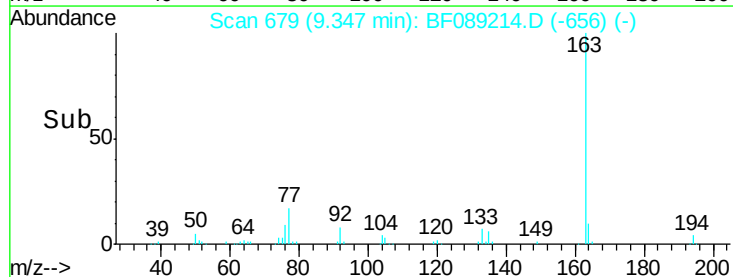
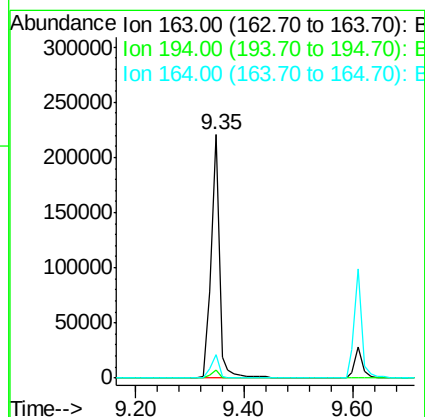
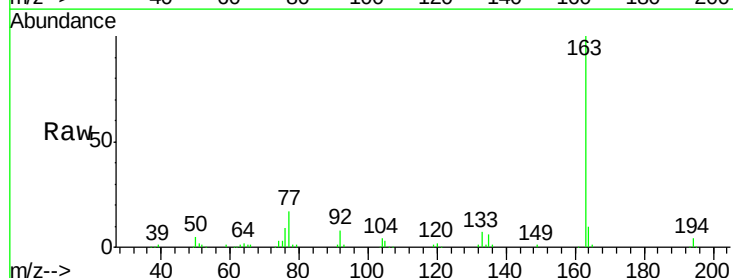
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-16-8.0-10.0

Tgt Ion:172 Resp: 647678  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.2 43.8  
170 23.8 19.1 28.7

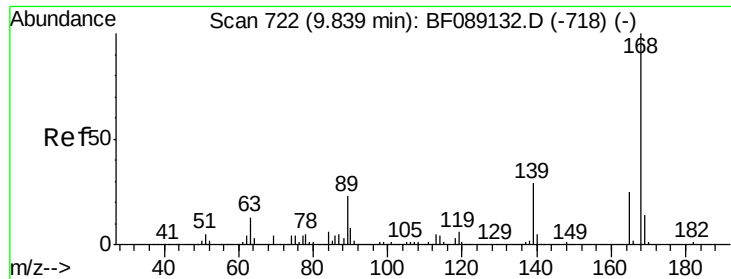


#49  
Dimethylphthalate  
Concen: 31.08 ng  
RT: 9.35 min Scan# 679  
Delta R.T. -0.03 min  
Lab File: BF089214.D  
Acq: 23 Jul 2016 2:10

Tgt Ion:163 Resp: 237771  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.9 4.3  
164 9.9 7.6 11.4



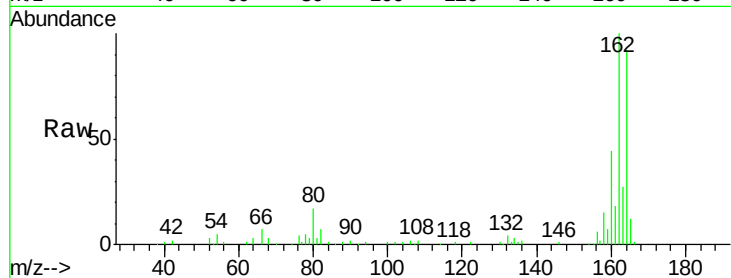




#56  
 2,4-Dinitrotoluene  
 Concen: 5.55 ng  
 RT: 9.61 min Scan# 702  
 Delta R.T. -0.23 min  
 Lab File: BF089214.D  
 Acq: 23 Jul 2016 2:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KSB-16-8.0-10.0

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 55.4  | 83.2#  |
| 89      | 0.0   | 74.3  | 111.5# |
| 182     | 0.0   | 2.0   | 3.0#   |

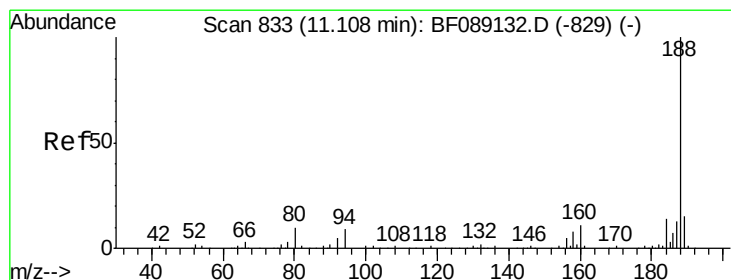
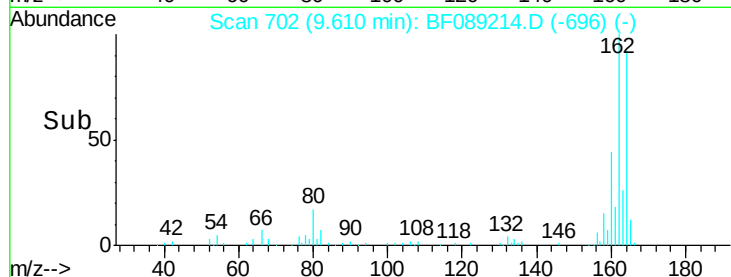
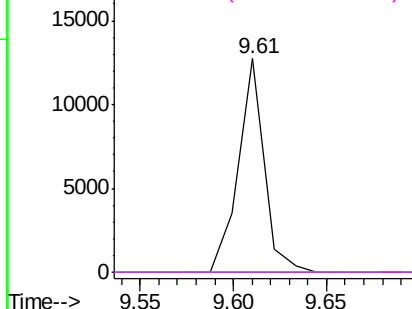


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

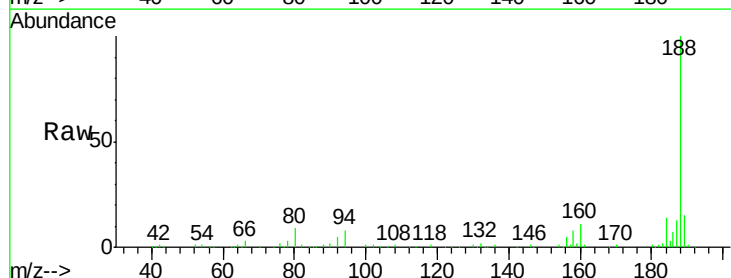
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.08 min Scan# 831  
 Delta R.T. -0.02 min  
 Lab File: BF089214.D  
 Acq: 23 Jul 2016 2:10

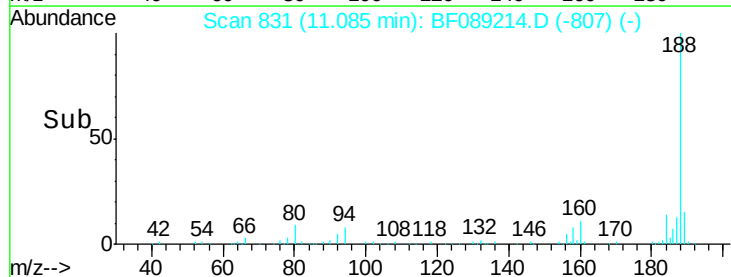
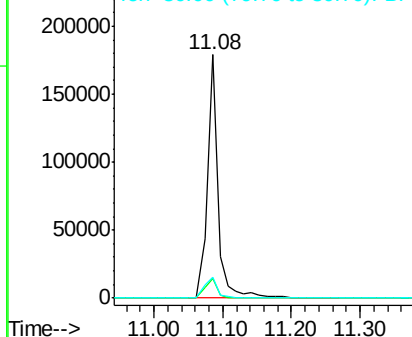
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.9   | 7.0   | 10.4  |
| 80      | 8.6   | 7.7   | 11.5  |

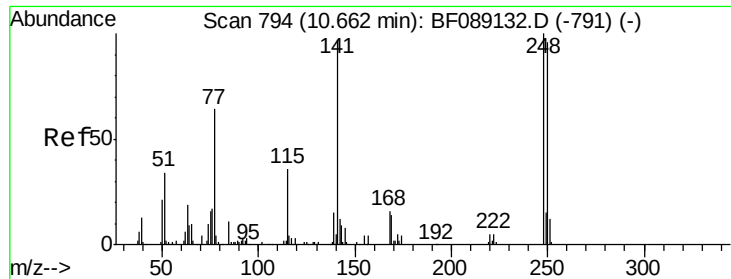


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 5.12 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.26 min

Lab File: BF089214.D

Acq: 23 Jul 2016 2:10

Instrument :

BNA\_F

ClientSampleId :

KSB-16-8.0-10.0

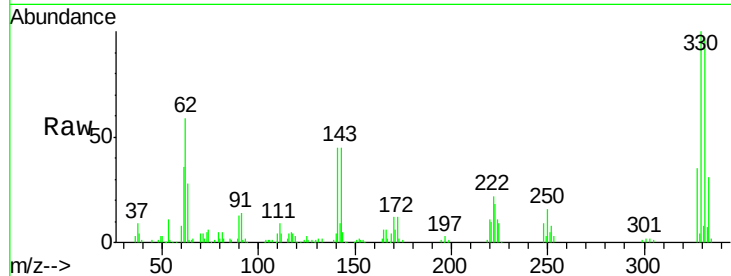
Tgt Ion:248 Resp: 9820

Ion Ratio Lower Upper

248 100

250 188.0 76.9 115.3#

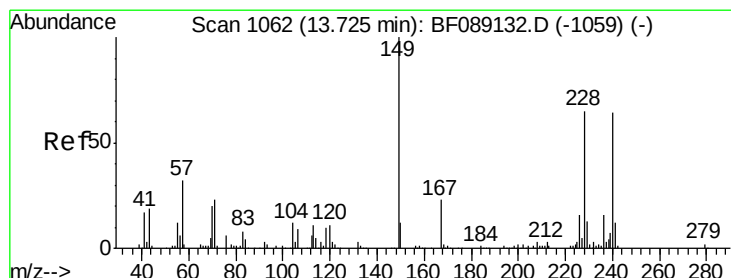
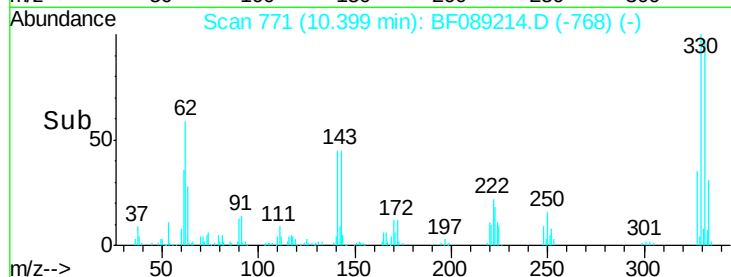
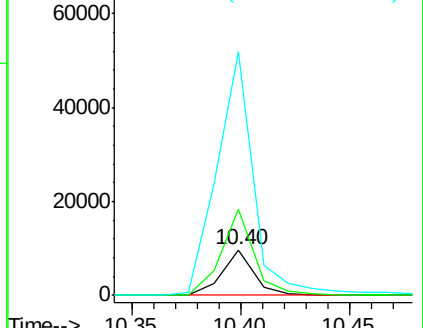
141 533.4 77.4 116.2#



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. -0.02 min

Lab File: BF089214.D

Acq: 23 Jul 2016 2:10

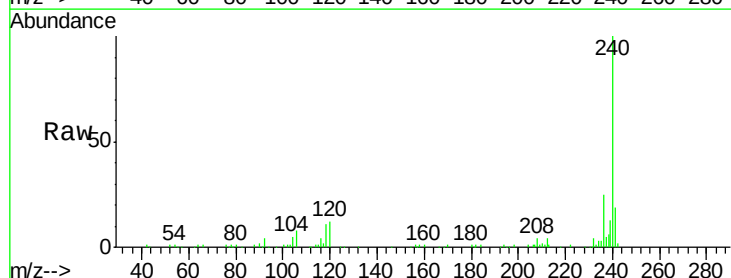
Tgt Ion:240 Resp: 151329

Ion Ratio Lower Upper

240 100

120 11.9 13.6 20.4#

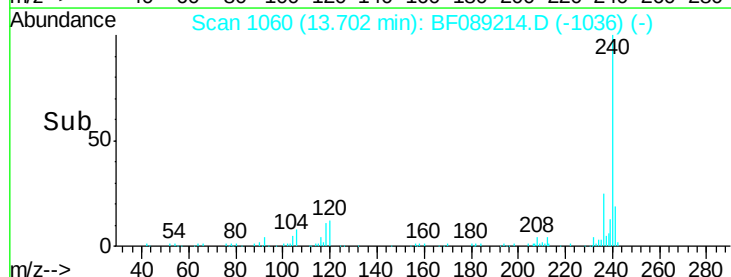
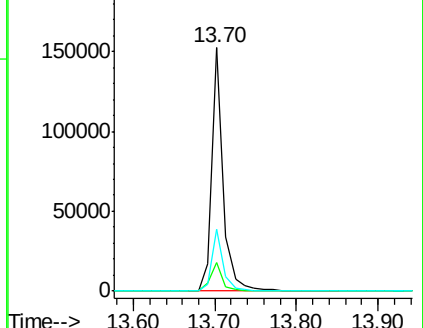
236 25.2 20.5 30.7

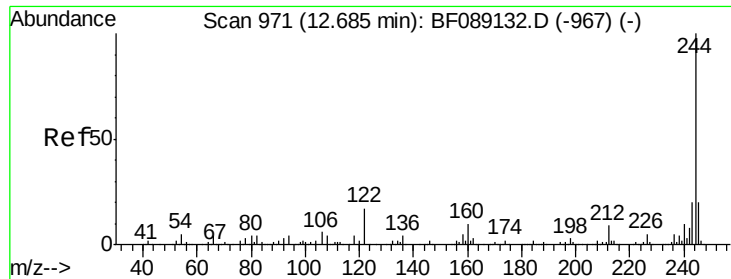


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

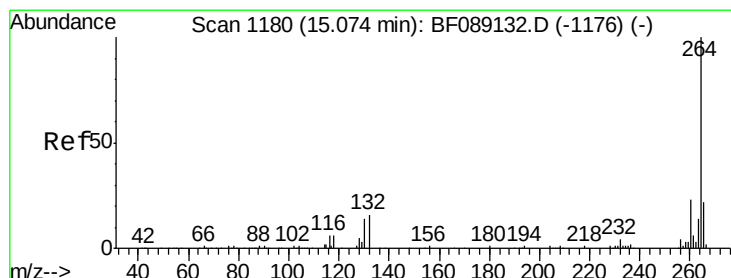
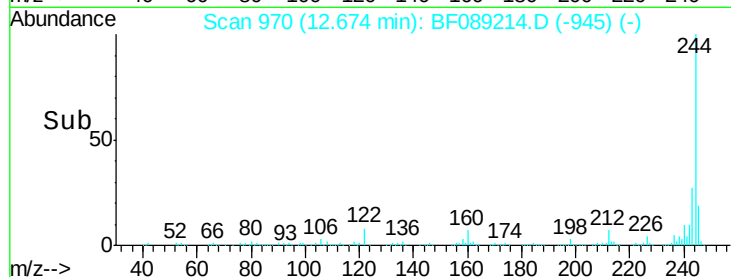
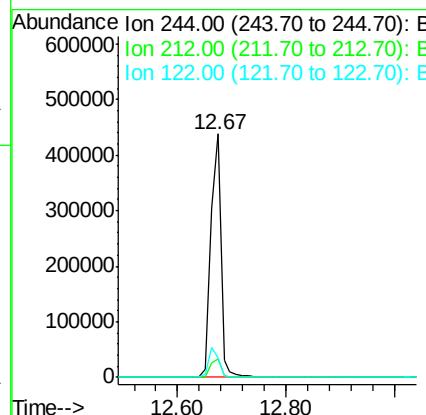
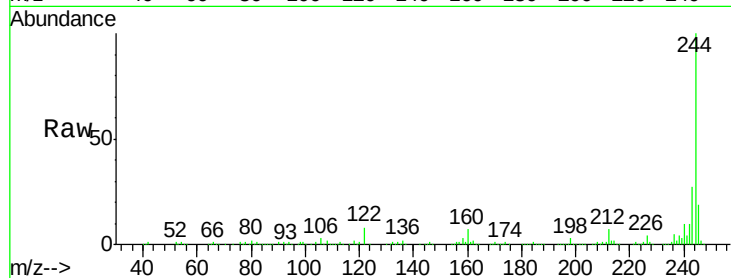




#78  
 Terphenyl-d14  
 Concen: 80.42 ng  
 RT: 12.67 min Scan# 970  
 Delta R.T. -0.01 min  
 Lab File: BF089214.D  
 Acq: 23 Jul 2016 2:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KSB-16-8.0-10.0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.4   | 7.0   | 10.4  |
| 122     | 8.3   | 13.8  | 20.8# |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.05 min Scan# 1178  
 Delta R.T. -0.02 min  
 Lab File: BF089214.D  
 Acq: 23 Jul 2016 2:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 18.5  | 27.7  |
| 265     | 21.2  | 17.3  | 25.9  |

