

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071317\  
 Data File : BF096751.D  
 Acq On : 14 Jul 2017 2:18  
 Operator : SJ/JU  
 Sample : I4164-01  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11975-COMP

Quant Time: Jul 14 04:50:23 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 13 14:49:34 2017  
 Response via : Initial Calibration

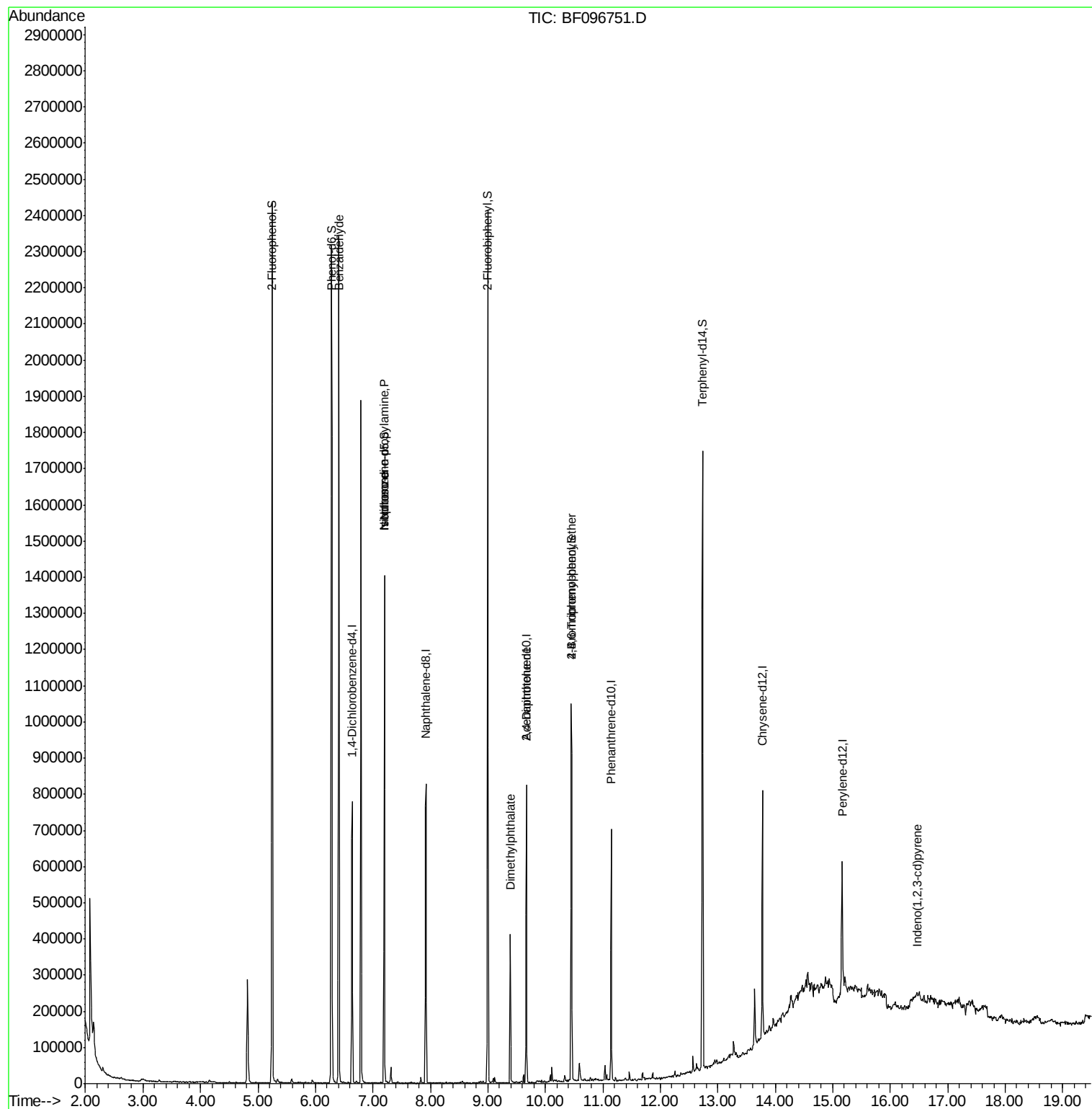
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.64  | 152  | 112633   | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8             | 7.92  | 136  | 381069   | 20.00 | ng    | 0.00      |
| 38) Acenaphthene-d10           | 9.67  | 164  | 146839   | 20.00 | ng    | 0.00      |
| 63) Phenanthrene-d10           | 11.15 | 188  | 236400   | 20.00 | ng    | 0.00      |
| 75) Chrysene-d12               | 13.77 | 240  | 217284   | 20.00 | ng    | 0.00      |
| 86) Perylene-d12               | 15.16 | 264  | 148031   | 20.00 | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 5) 2-Fluorophenol              | 5.25  | 112  | 698320   | 93.22 | ng    | 0.01      |
| 7) Phenol-d6                   | 6.28  | 99   | 819123   | 91.12 | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 7.20  | 82   | 411736   | 66.93 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol       | 10.46 | 330  | 111190   | 88.71 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl           | 9.00  | 172  | 706665   | 76.03 | ng    | 0.00      |
| 78) Terphenyl-d14              | 12.73 | 244  | 514152   | 41.04 | ng    | 0.00      |
| Target Compounds               |       |      |          |       |       |           |
| 9) Benzaldehyde                | 6.41  | 77   | 12869    | 2.48  | ng    | Qvalue 82 |
| 19) n-Nitroso-di-n-propylamine | 7.20  | 70   | 54598    | 10.08 | ng    | # 86      |
| 25) Isophorone                 | 7.20  | 82   | 401739   | 35.10 | ng    | # 67      |
| 49) Dimethylphthalate          | 9.39  | 163  | 152438   | 13.79 | ng    | 100       |
| 56) 2,4-Dinitrotoluene         | 9.67  | 165  | 18986    | 6.17  | ng    | # 34      |
| 66) 4-Bromophenyl-phenylether  | 10.45 | 248  | 7092     | 2.94  | ng    | # 1       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.47 | 276  | 568      | 3.37  | ng    | # 44      |

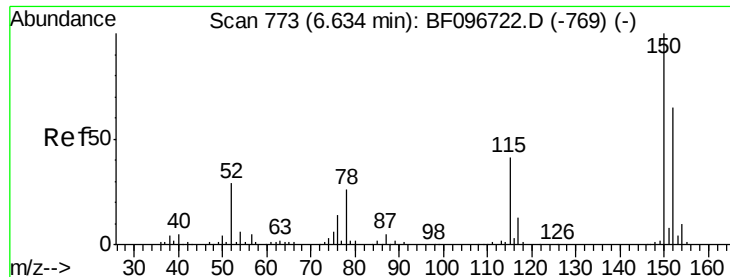
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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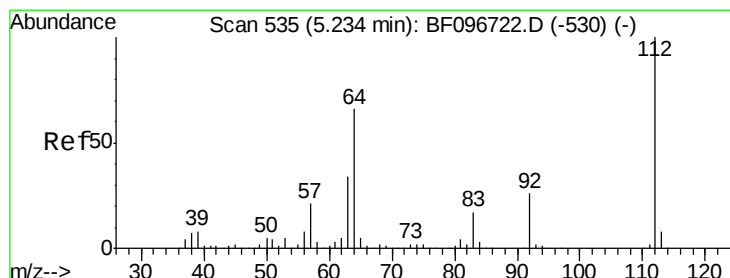
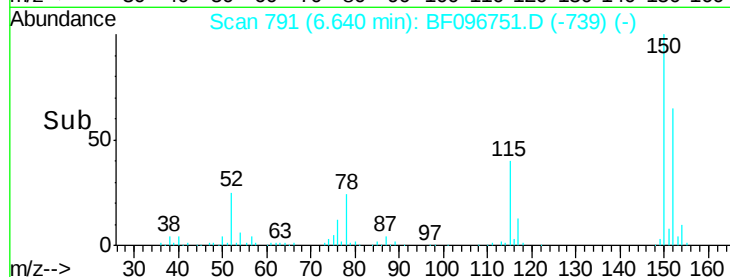
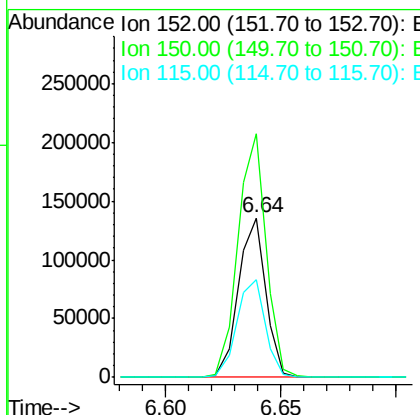
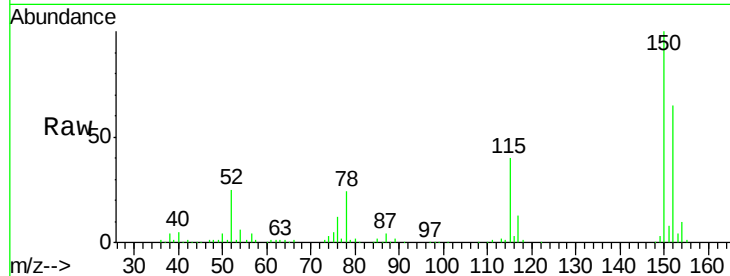


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.64 min Scan# 791  
Delta R.T. 0.01 min  
Lab File: BF096751.D  
Acq: 14 Jul 2017 2:18

Instrument :  
BNA\_F  
ClientSampleId :  
72-11975-COMP

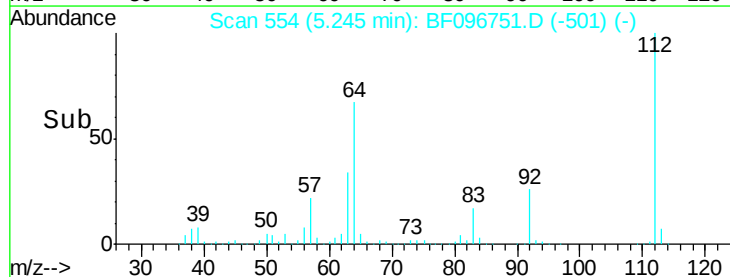
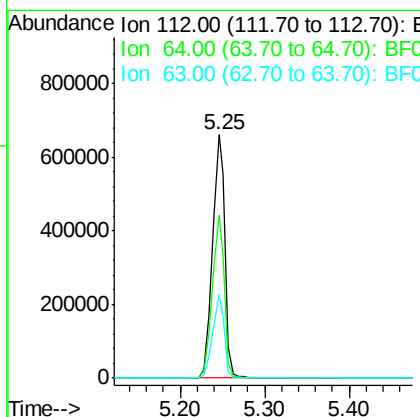
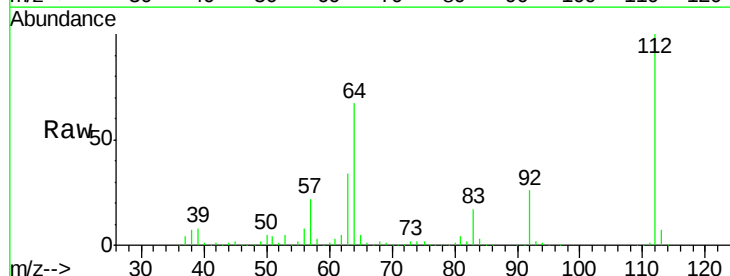
Tot Ion:152 Resp: 112633  
Ion Ratio Lower Upper  
152 100  
150 153.0 126.2 189.2  
115 61.2 52.2 78.2

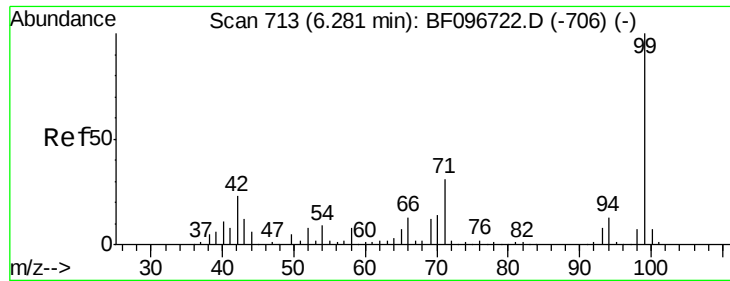


#5

2-Fluorophenol  
Concen: 93.22 ng  
RT: 5.25 min Scan# 554  
Delta R.T. 0.01 min  
Lab File: BF096751.D  
Acq: 14 Jul 2017 2:18

Tgt Ion:112 Resp: 698320  
Ion Ratio Lower Upper  
112 100  
64 66.8 46.0 69.0  
63 34.4 23.4 35.0





#7

Phenol-d6

Concen: 91.12 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF096751.D

Acq: 14 Jul 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

72-11975-COMP

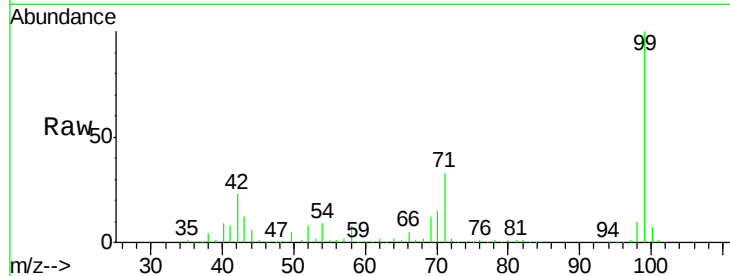
Tot Ion: 99 Resp: 819123

Ion Ratio Lower Upper

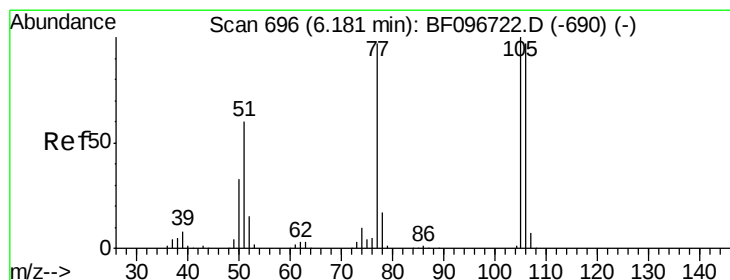
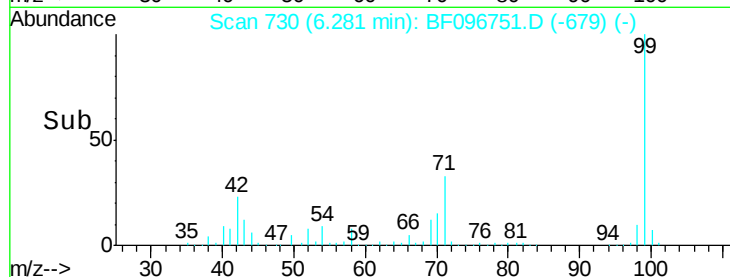
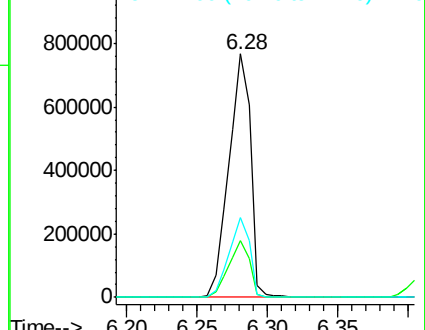
99 100

42 23.4 13.5 20.3#

71 32.7 24.5 36.7



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: 2.48 ng

RT: 6.41 min Scan# 752

Delta R.T. 0.23 min

Lab File: BF096751.D

Acq: 14 Jul 2017 2:18

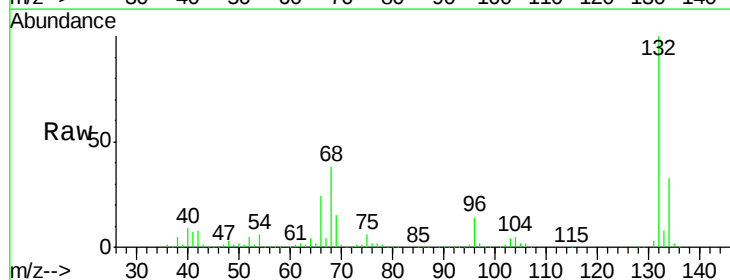
Tgt Ion: 77 Resp: 12869

Ion Ratio Lower Upper

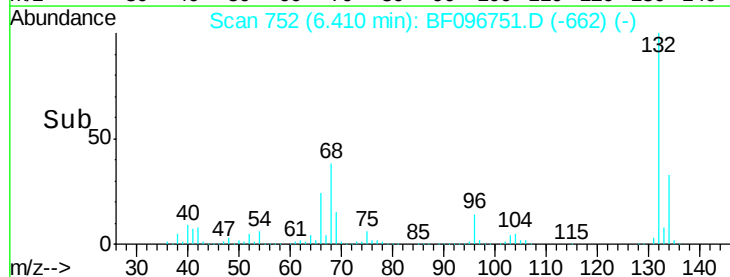
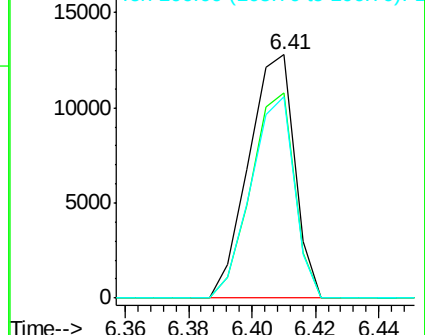
77 100

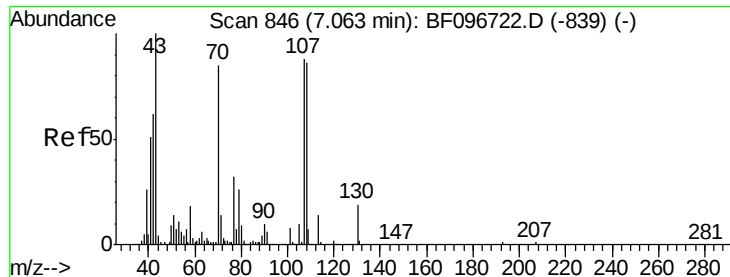
105 84.2 83.8 123.8

106 82.7 79.1 119.1



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

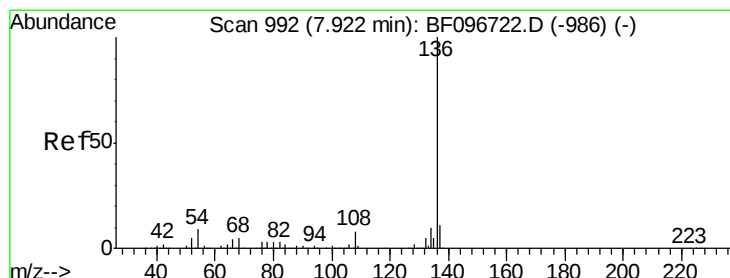
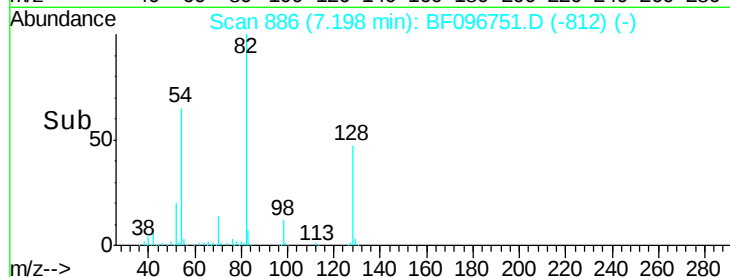
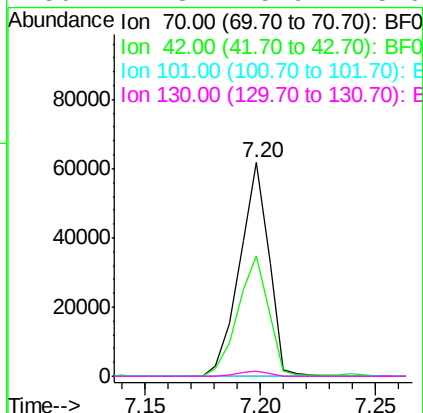
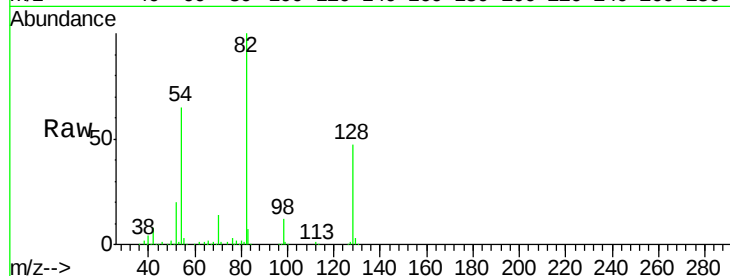




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.08 ng  
RT: 7.20 min Scan# 886  
Delta R.T. 0.14 min  
Lab File: BF096751.D  
Acq: 14 Jul 2017 2:18

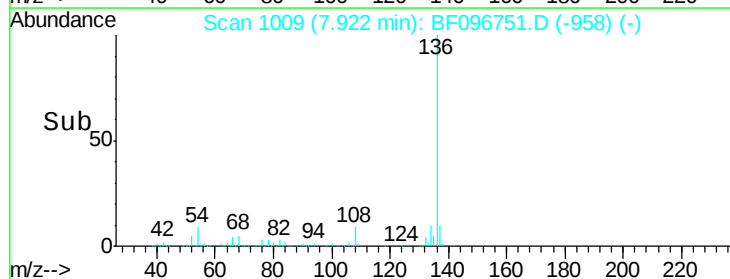
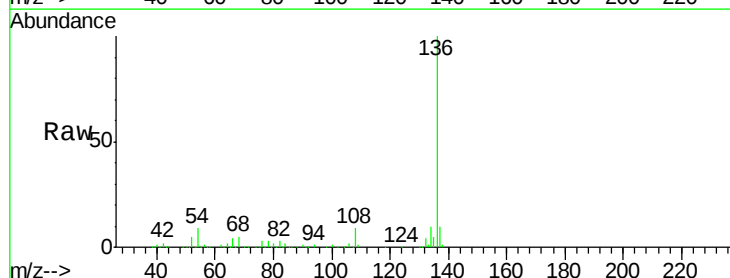
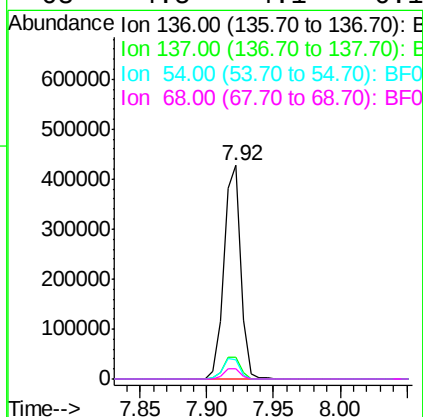
Instrument :  
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72-11975-COMP

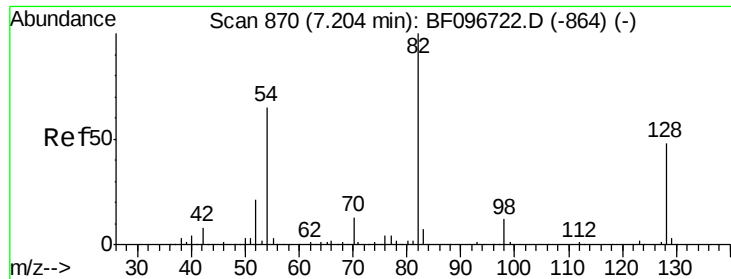
Tot Ion: 70 Resp: 54598  
Ion Ratio Lower Upper  
70 100  
42 56.1 47.2 70.8  
101 0.0 7.2 10.8#  
130 2.3 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.92 min Scan# 1009  
Delta R.T. -0.00 min  
Lab File: BF096751.D  
Acq: 14 Jul 2017 2:18

Tgt Ion:136 Resp: 381069  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.5 12.7  
54 9.0 4.9 7.3#  
68 4.5 4.1 6.1

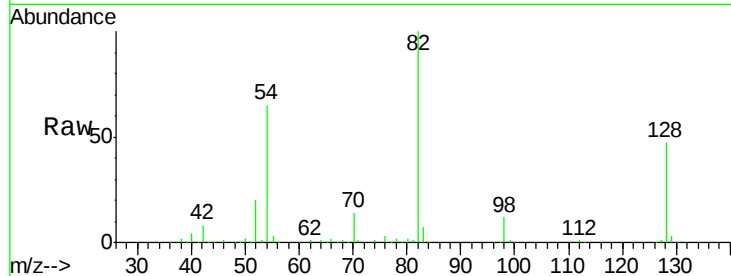




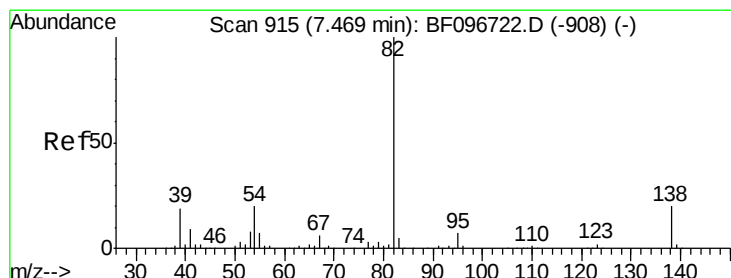
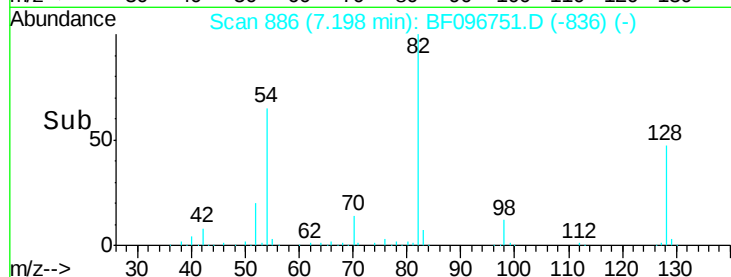
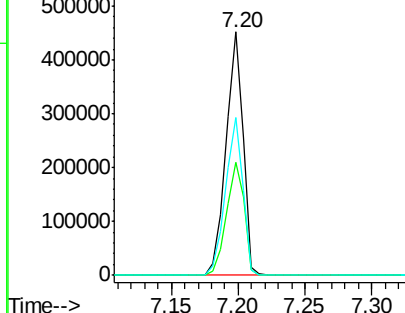
#23  
Nitrobenzene-d5  
Concen: 66.93 ng  
RT: 7.20 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF096751.D  
Acq: 14 Jul 2017 2:18

Instrument :  
BNA\_F  
ClientSampleId :  
72-11975-COMP

Tot Ion: 82 Resp: 411736  
Ion Ratio Lower Upper  
82 100  
128 46.6 34.0 51.0  
54 64.8 42.2 63.2#

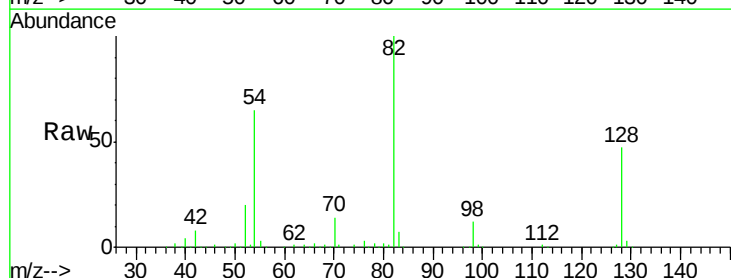


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): BF0  
Ion 54.00 (53.70 to 54.70): BF0

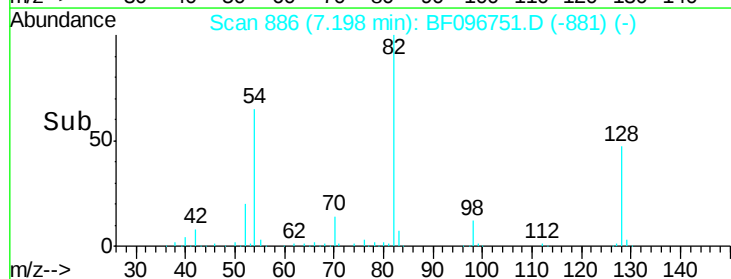
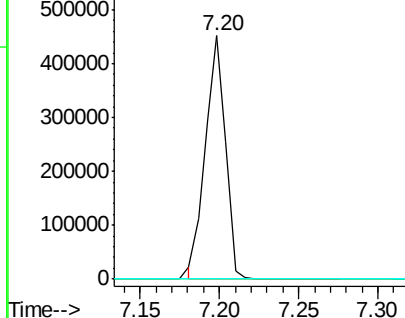


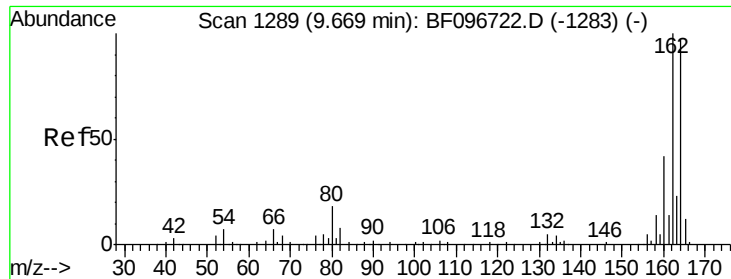
#25  
Isophorone  
Concen: 35.10 ng  
RT: 7.20 min Scan# 886  
Delta R.T. -0.27 min  
Lab File: BF096751.D  
Acq: 14 Jul 2017 2:18

Tgt Ion: 82 Resp: 401739  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.3 7.9#  
138 0.0 13.1 19.7#



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

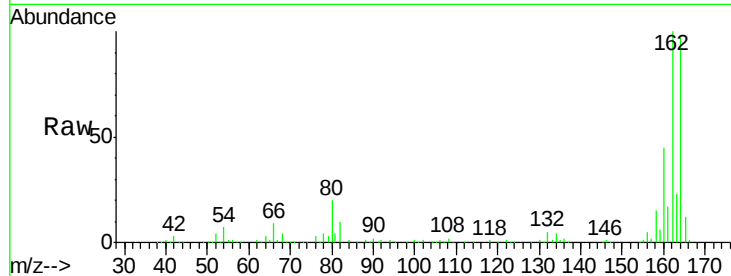




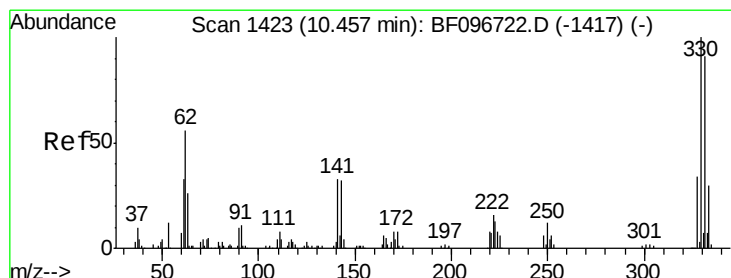
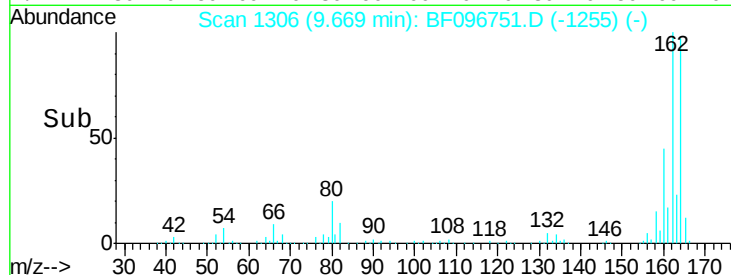
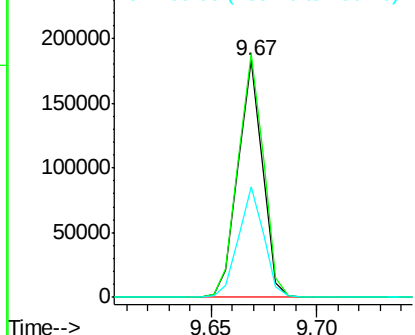
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.67 min Scan# 1306  
 Delta R.T. -0.00 min  
 Lab File: BF096751.D  
 Acq: 14 Jul 2017 2:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11975-COMP

Tot Ion:164 Resp: 146839  
 Ion Ratio Lower Upper  
 164 100  
 162 102.8 82.6 123.8  
 160 46.6 36.2 54.2

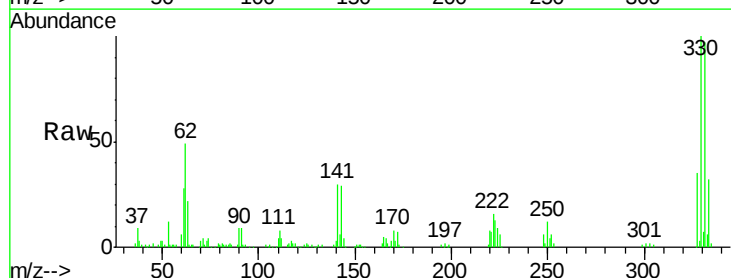


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

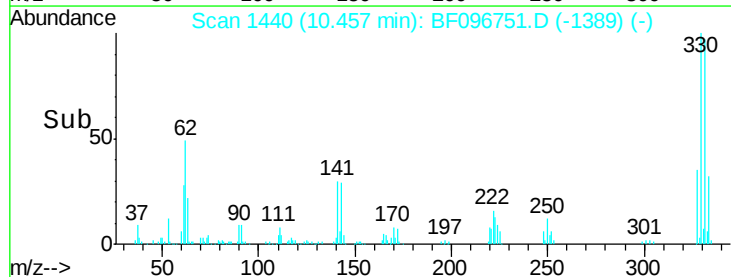
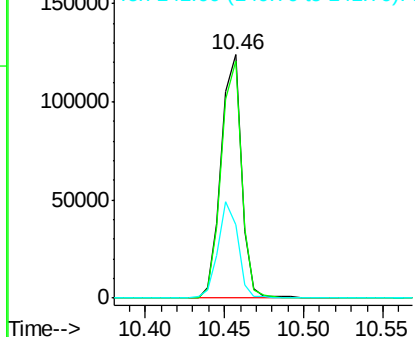


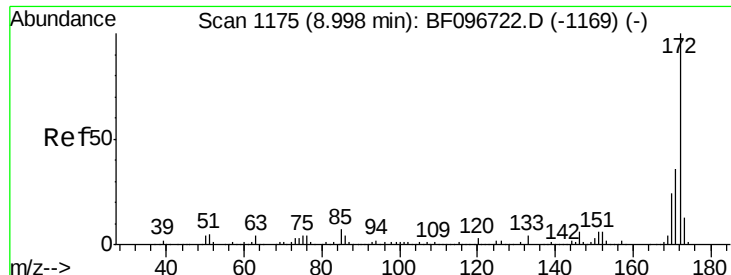
#41  
 2,4,6-Tribromophenol  
 Concen: 88.71 ng  
 RT: 10.46 min Scan# 1440  
 Delta R.T. -0.00 min  
 Lab File: BF096751.D  
 Acq: 14 Jul 2017 2:18

Tgt Ion:330 Resp: 111190  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 76.6 115.0  
 141 38.9 31.4 47.2



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

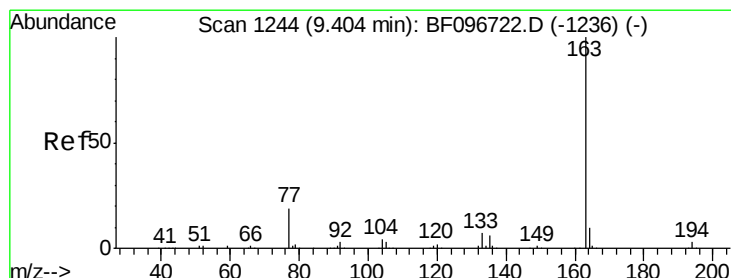
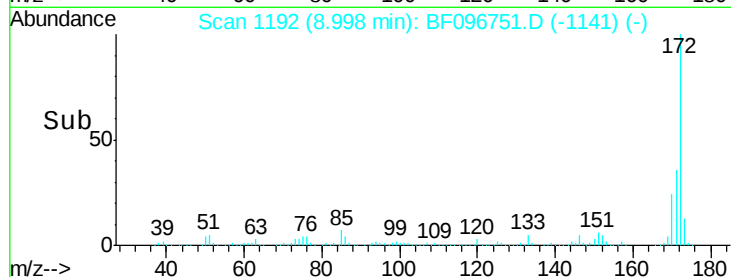
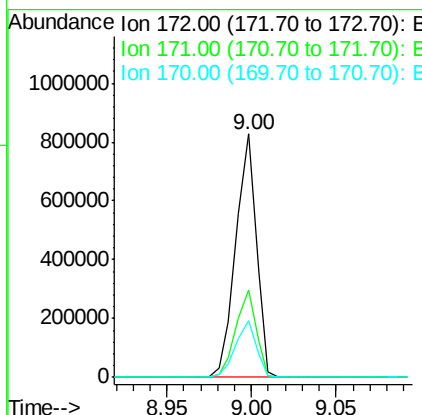
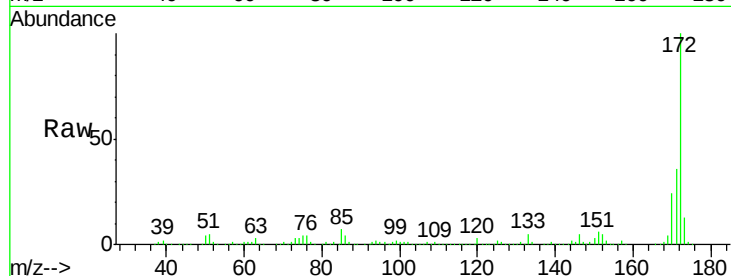




#44  
 2-Fluorobiphenyl  
 Concen: 76.03 ng  
 RT: 9.00 min Scan# 1192  
 Delta R.T. -0.00 min  
 Lab File: BF096751.D  
 Acq: 14 Jul 2017 2:18

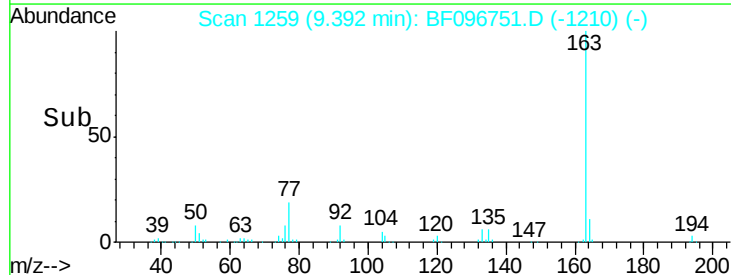
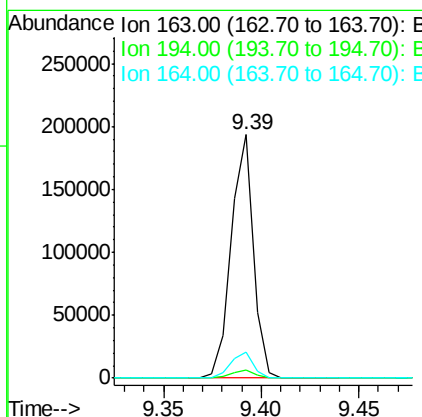
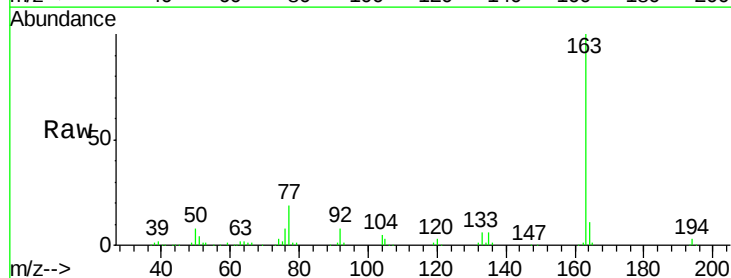
Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11975-COMP

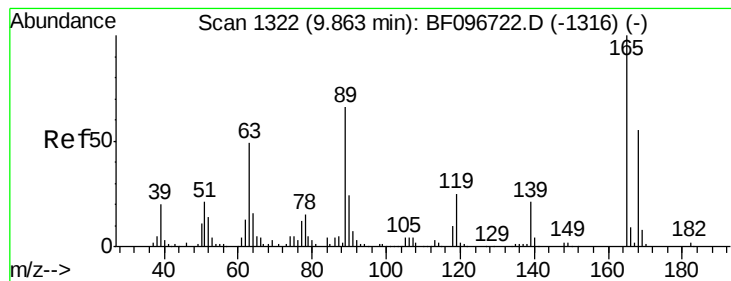
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.6  | 44.4  |
| 170     | 23.5  | 19.8  | 29.8  |



#49  
 Dimethylphthalate  
 Concen: 13.79 ng  
 RT: 9.39 min Scan# 1259  
 Delta R.T. -0.01 min  
 Lab File: BF096751.D  
 Acq: 14 Jul 2017 2:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.1   | 2.6   | 4.0   |
| 164     | 10.6  | 8.4   | 12.6  |





#56

2,4-Dinitrotoluene

Concen: 6.17 ng

RT: 9.67 min Scan# 1306

Delta R.T. -0.19 min

Lab File: BF096751.D

Acq: 14 Jul 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

72-11975-COMP

Tot Ion:165 Resp: 18986

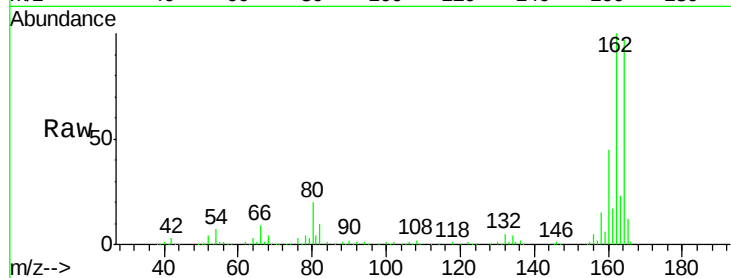
Ion Ratio Lower Upper

165 100

63 2.6 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#

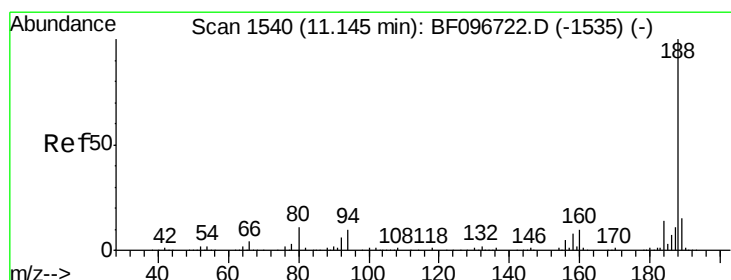
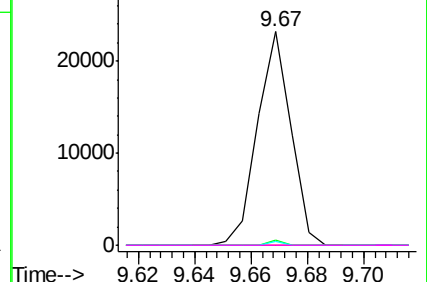
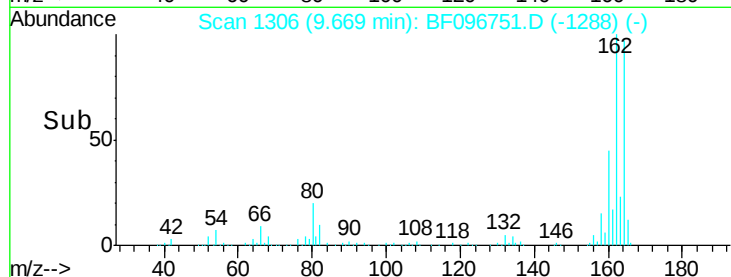


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.15 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BF096751.D

Acq: 14 Jul 2017 2:18

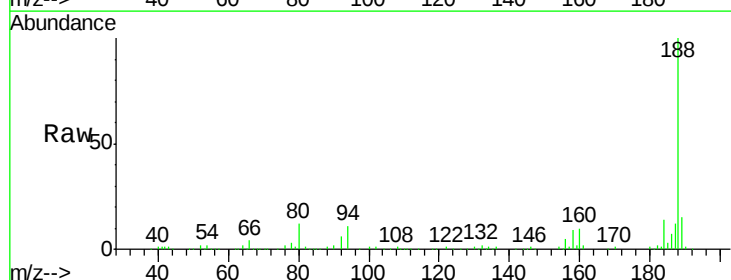
Tgt Ion:188 Resp: 236400

Ion Ratio Lower Upper

188 100

94 11.3 9.4 14.2

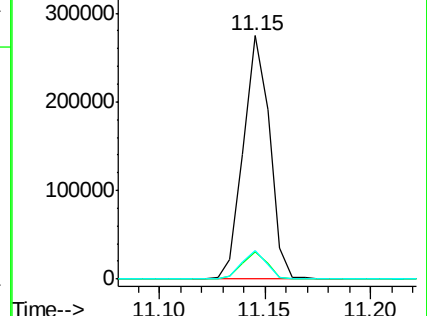
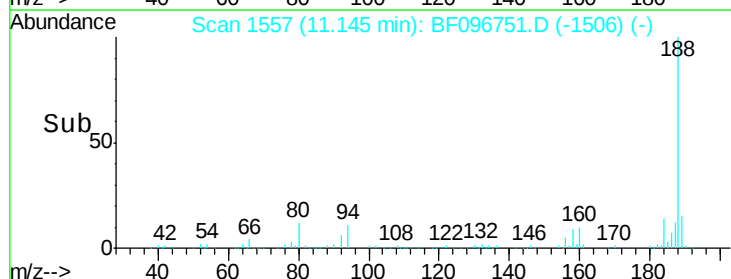
80 11.9 10.2 15.2

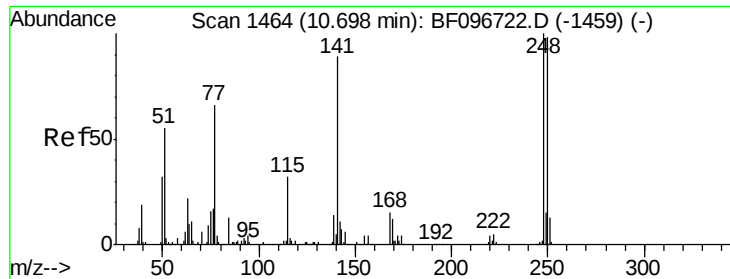


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

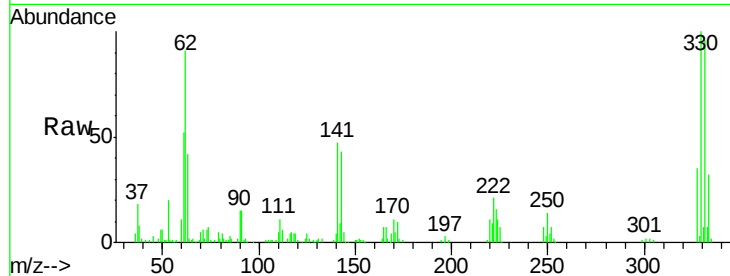




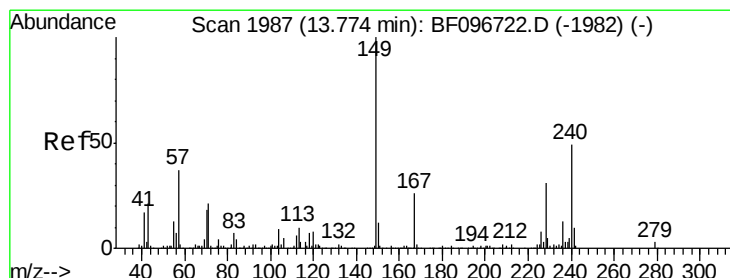
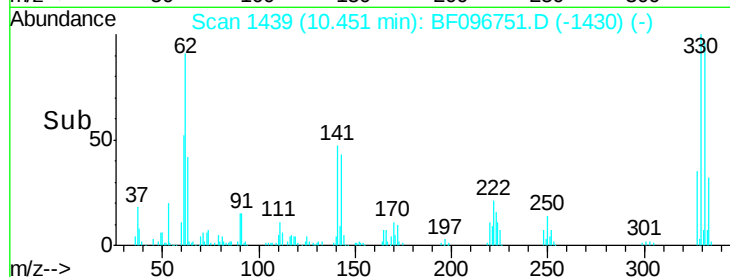
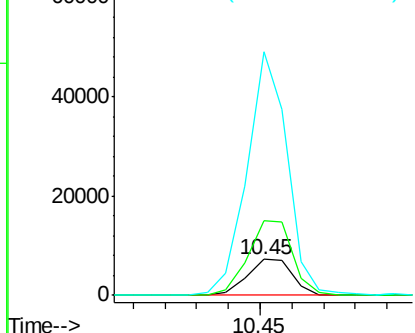
#66  
4-Bromophenyl-phenylether  
Concen: 2.94 ng  
RT: 10.45 min Scan# 1439  
Delta R.T. -0.25 min  
Lab File: BF096751.D  
Acq: 14 Jul 2017 2:18

Instrument :  
BNA\_F  
ClientSampleId :  
72-11975-COMP

Tot Ion:248 Resp: 7092  
Ion Ratio Lower Upper  
248 100  
250 208.6 76.8 115.2#  
141 681.3 68.6 103.0#

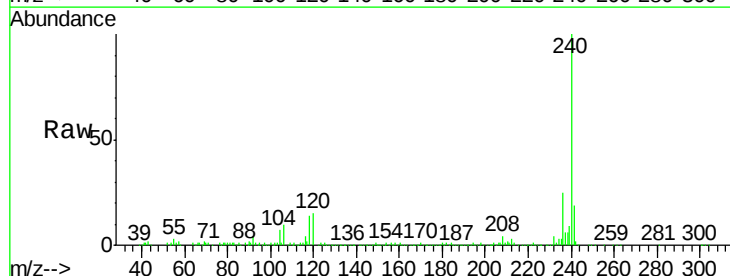


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

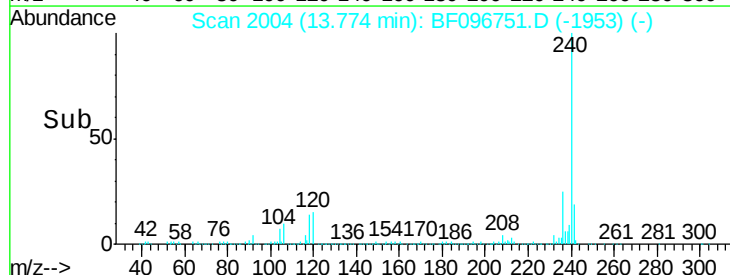
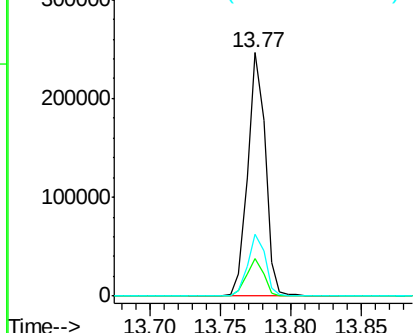


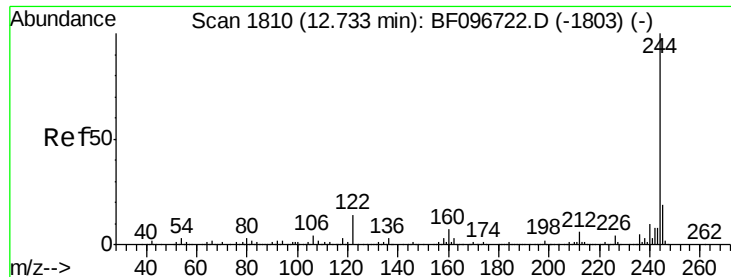
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.77 min Scan# 2004  
Delta R.T. -0.00 min  
Lab File: BF096751.D  
Acq: 14 Jul 2017 2:18

Tgt Ion:240 Resp: 217284  
Ion Ratio Lower Upper  
240 100  
120 15.2 5.8 8.8#  
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: 41.04 ng

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF096751.D

Acq: 14 Jul 2017 2:18

Instrument :

BNA\_F

ClientSampleId :

72-11975-COMP

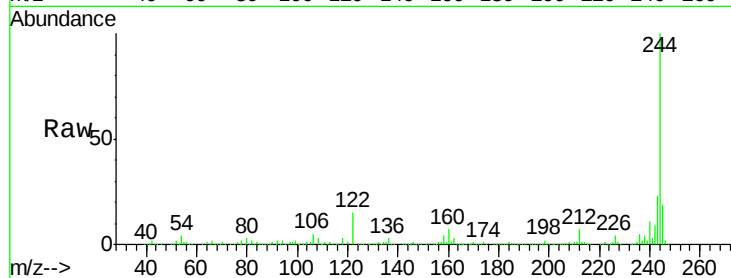
Tot Ion:244 Resp: 514152

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

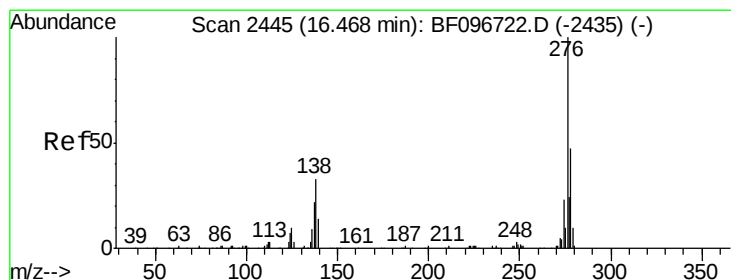
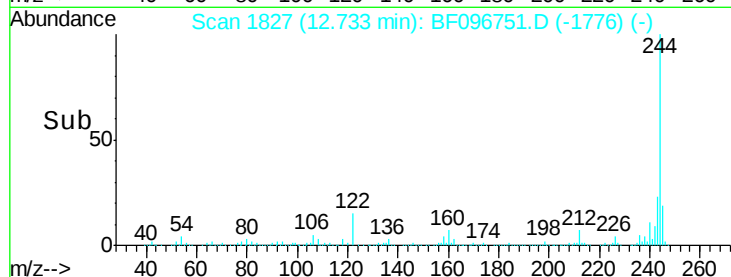
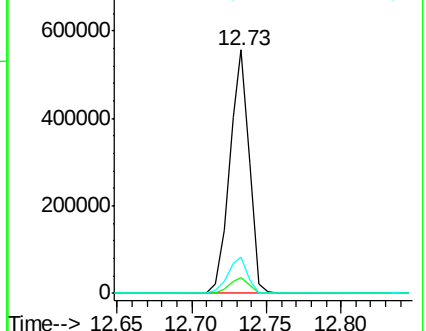
122 14.7 10.3 15.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.37 ng

RT: 16.47 min Scan# 2462

Delta R.T. 0.00 min

Lab File: BF096751.D

Acq: 14 Jul 2017 2:18

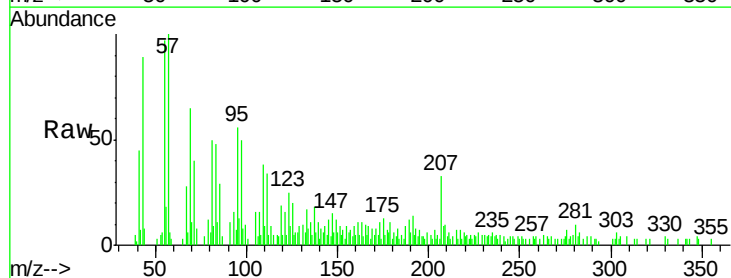
Tgt Ion:276 Resp: 568

Ion Ratio Lower Upper

276 100

138 0.0 27.8 41.6#

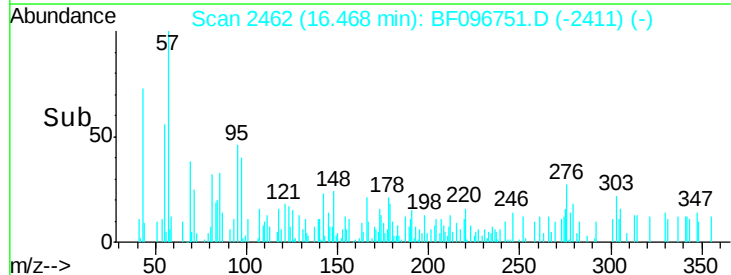
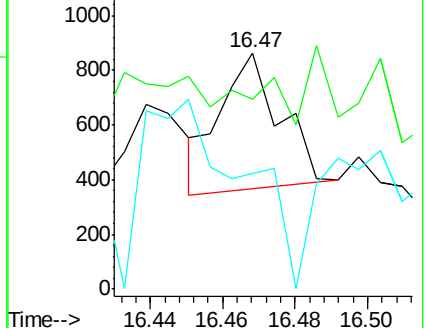
277 0.0 20.2 30.4#

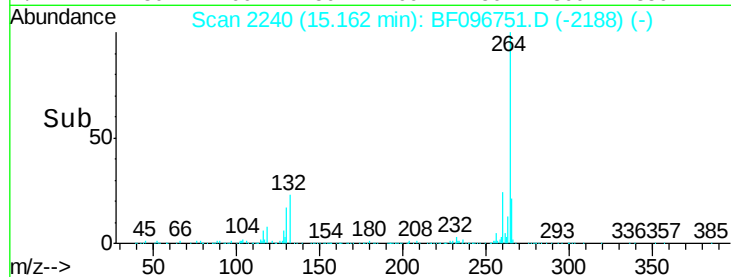
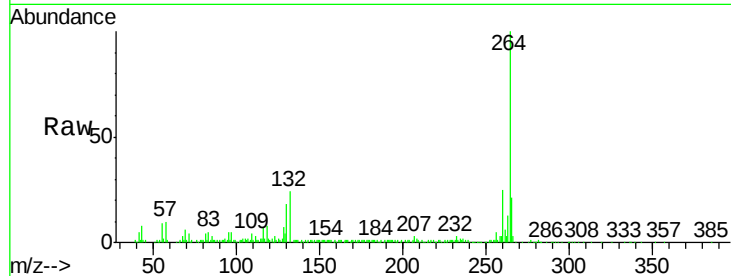
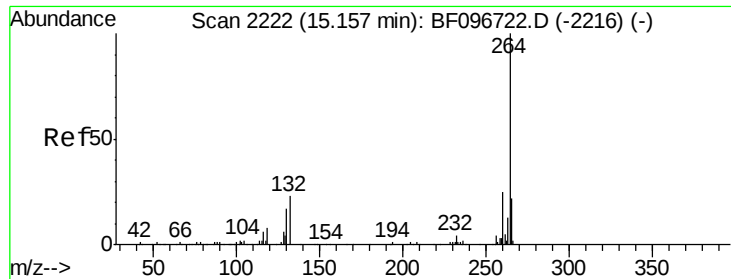


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.16 min Scan# 2240  
Delta R.T. 0.01 min  
Lab File: BF096751.D  
Acq: 14 Jul 2017 2:18

Instrument :  
BNA\_F  
ClientSampleId :  
72-11975-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.5  | 29.3  |
| 265     | 21.4  | 17.2  | 25.8  |

