

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090915\  
 Data File : BF081565.D  
 Acq On : 9 Sep 2015 21:47  
 Operator : UM/IZ  
 Sample : G3540-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1507293456THRU-1507293463-CO

Quant Time: Sep 10 04:46:33 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 10 04:43:26 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.33  | 152  | 42969    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.62  | 136  | 152788   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.36  | 164  | 64373    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 10.82 | 188  | 115391   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.45 | 240  | 86263    | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 14.74 | 264  | 83261    | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 5) 2-Fluorophenol           | 4.88  | 112  | 10557    | 3.81 | ng    | 0.01     |
| 7) Phenol-d6                | 6.01  | 99   | 22636    | 6.17 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 6.91  | 82   | 11143    | 3.52 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.15 | 330  | 712      | 1.24 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.71  | 172  | 18707    | 3.72 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.41 | 244  | 14671    | 3.96 | ng    | 0.00     |

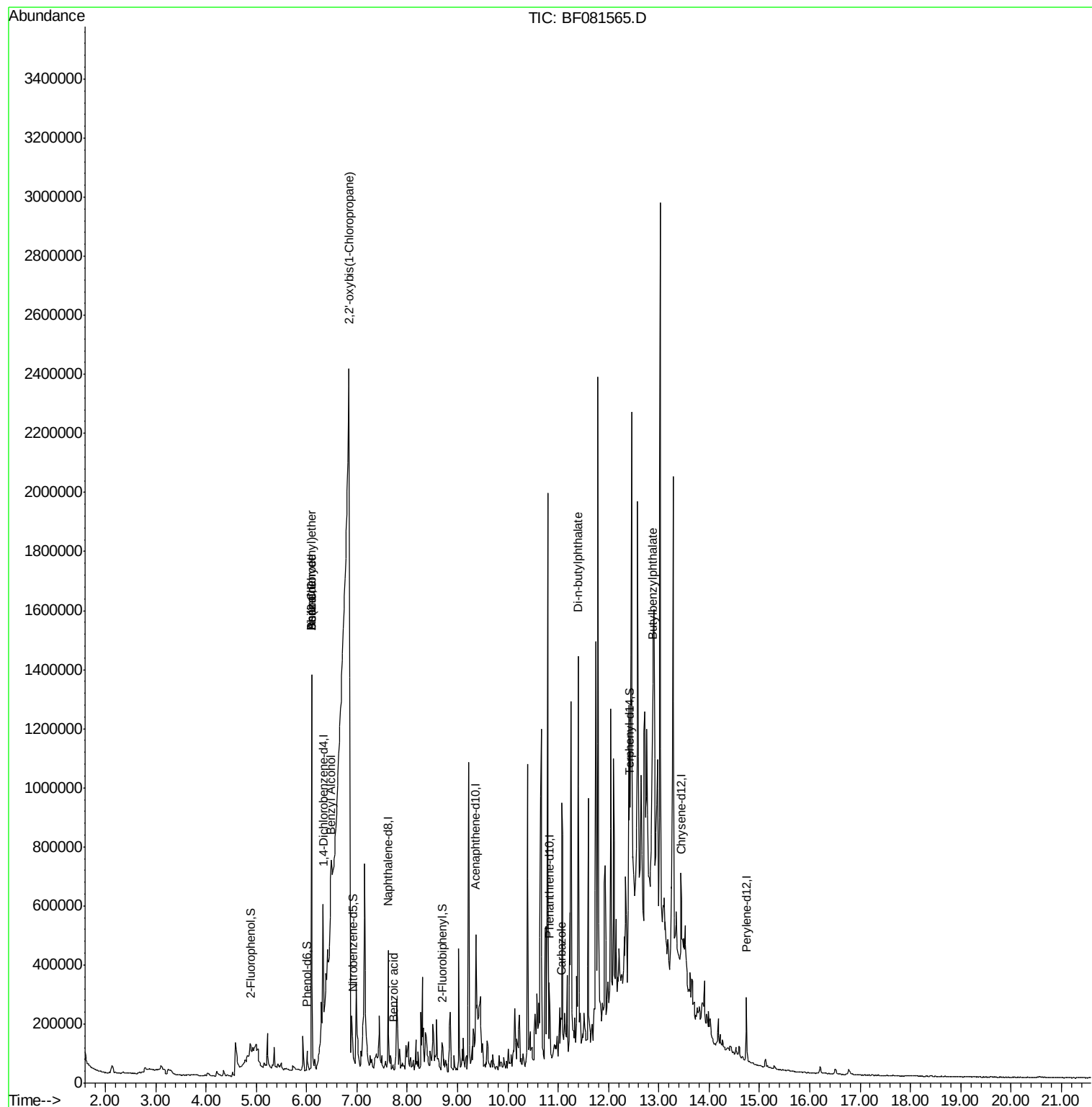
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 6) Aniline                     | 6.10  | 93   | 184261   | 35.59  | ng    | # 59   |
| 9) Benzaldehyde                | 6.10  | 77   | 35496    | 15.45  | ng    | # 1    |
| 10) Phenol                     | 6.10  | 94   | 20428    | 4.81   | ng    | # 18   |
| 11) bis(2-Chloroethyl)ether    | 6.10  | 93   | 184261   | 60.07  | ng    | # 19   |
| 15) Benzyl Alcohol             | 6.48  | 79   | 9879     | 3.29   | ng    | # 25   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.84  | 45   | 638432   | 108.59 | ng    | # 88   |
| 32) Benzoic acid               | 7.72  | 122  | 261      | 2.68   | ng    | # 29   |
| 72) Carbazole                  | 11.06 | 167  | 13546    | 2.19   | ng    | # 73   |
| 73) Di-n-butylphthalate        | 11.39 | 149  | 23393    | 3.20   | ng    | # 84   |
| 79) Butylbenzylphthalate       | 12.88 | 149  | 22225    | 8.00   | ng    | # 25   |

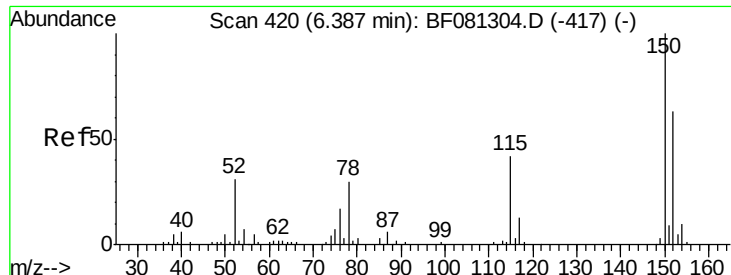
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090915\  
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Operator : UM/IZ  
Sample : G3540-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
1507293456THRU-1507293463-CO

Quant Time: Sep 10 04:46:33 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 10 04:43:26 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF081565.D

Acq: 9 Sep 2015 21:47

Instrument :

BNA\_F

ClientSampleId :

1507293456THRU-1507293463-CO

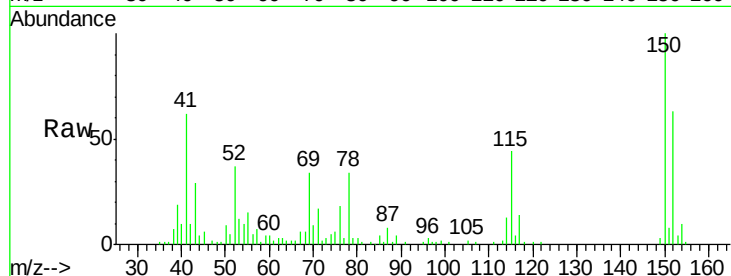
Tot Ion:152 Resp: 42969

Ion Ratio Lower Upper

152 100

150 159.2 124.7 187.1

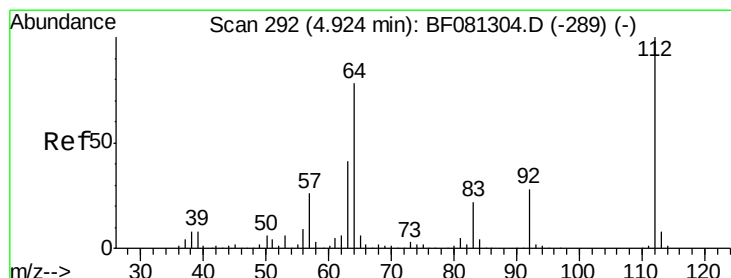
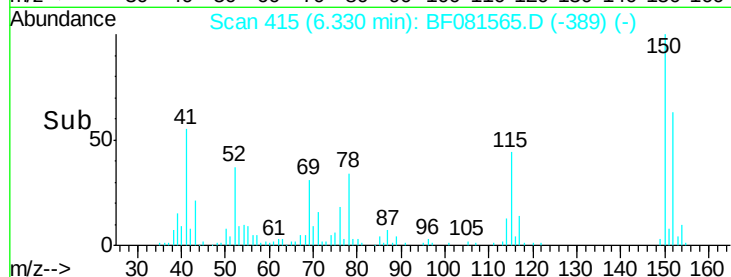
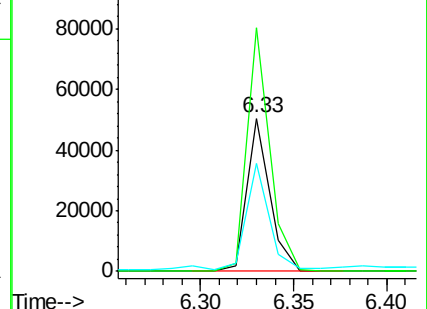
115 70.2 39.0 58.4#



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: 3.81 ng

RT: 4.88 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF081565.D

Acq: 9 Sep 2015 21:47

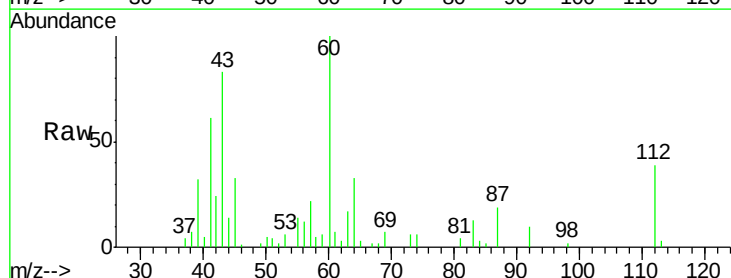
Tgt Ion:112 Resp: 10557

Ion Ratio Lower Upper

112 100

64 83.3 39.7 59.5#

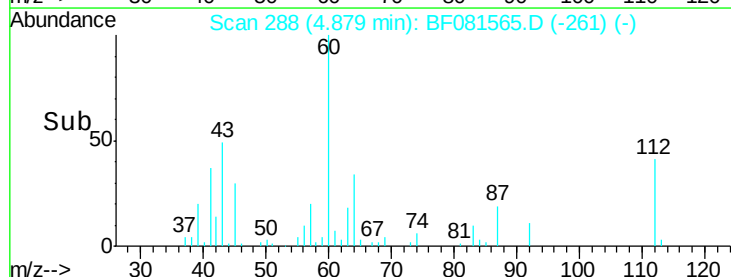
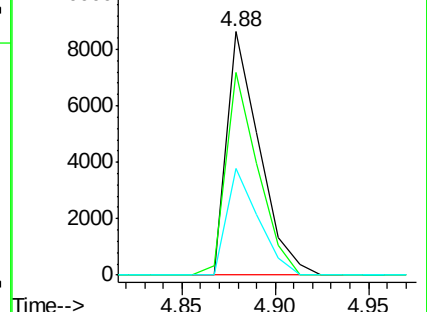
63 43.6 17.4 26.0#

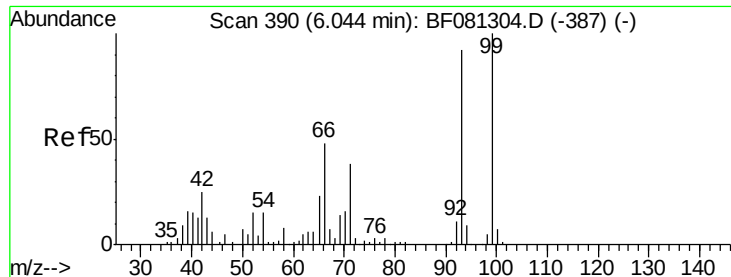


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 35.59 ng

RT: 6.10 min Scan# 395

Delta R.T. 0.10 min

Lab File: BF081565.D

Acq: 9 Sep 2015 21:47

Instrument :

BNA\_F

ClientSampleId :

1507293456THRU-1507293463-CO

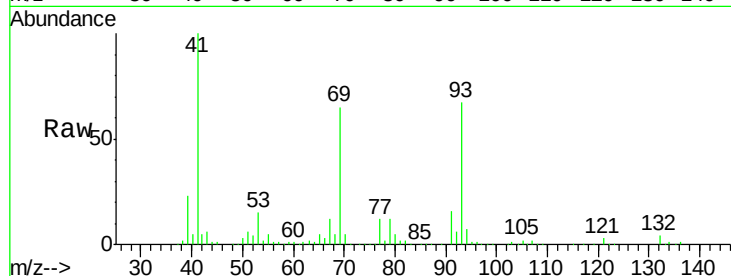
Tot Ion: 93 Resp: 184261

Ion Ratio Lower Upper

93 100

66 4.9 27.2 40.8#

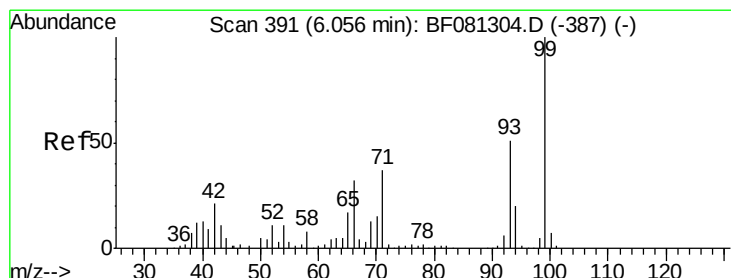
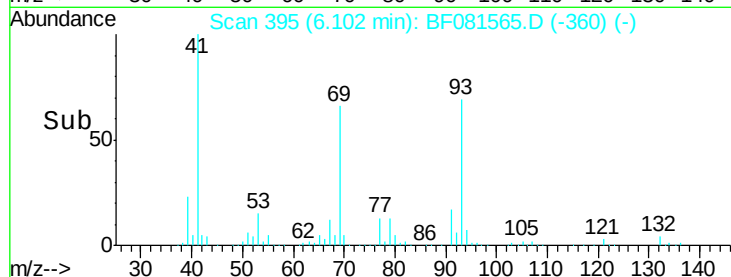
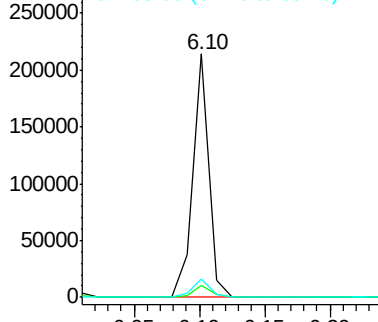
65 7.7 14.7 22.1#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 6.17 ng

RT: 6.01 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF081565.D

Acq: 9 Sep 2015 21:47

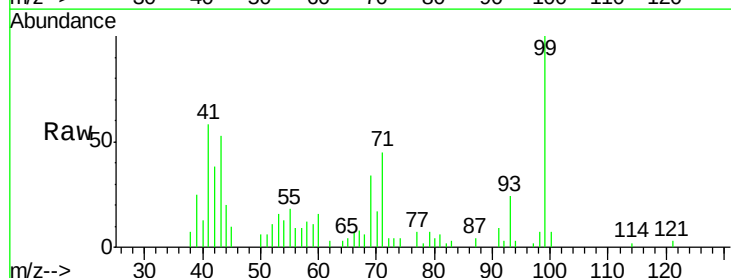
Tgt Ion: 99 Resp: 22636

Ion Ratio Lower Upper

99 100

42 38.1 13.7 20.5#

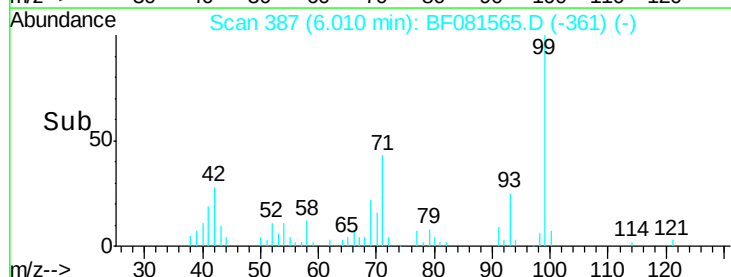
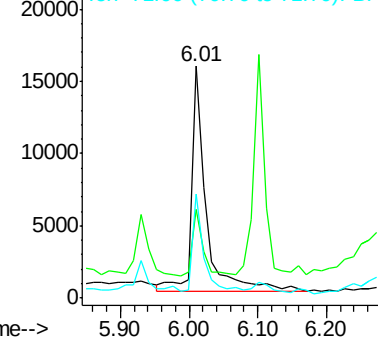
71 44.7 14.2 21.2#

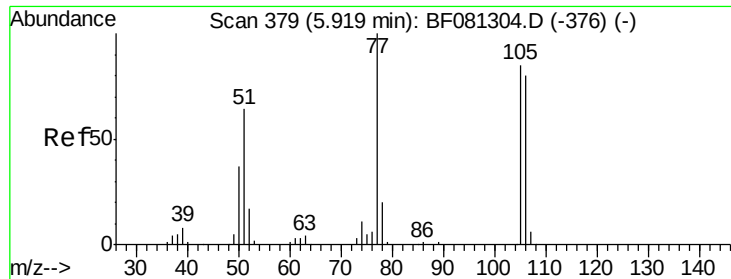


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 15.45 ng

RT: 6.10 min Scan# 395

Delta R.T. 0.23 min

Lab File: BF081565.D

Acq: 9 Sep 2015 21:47

Instrument :

BNA\_F

ClientSampleId :

1507293456THRU-1507293463-CO

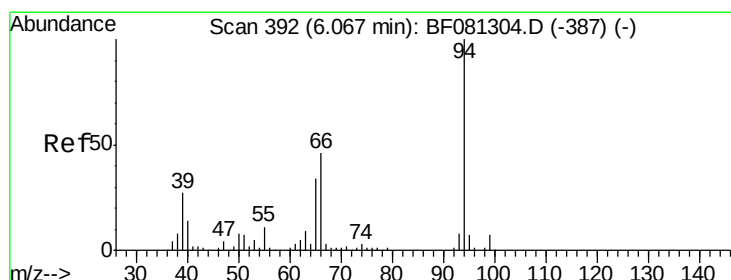
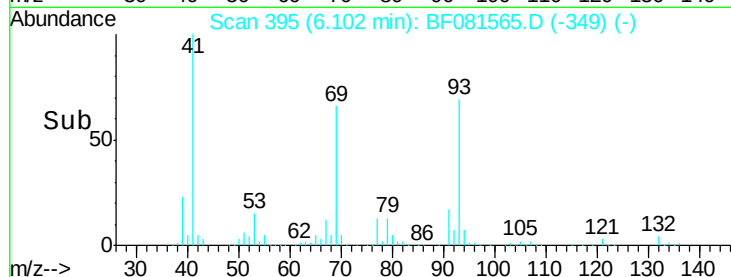
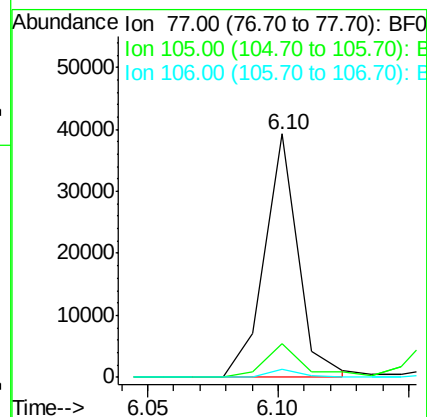
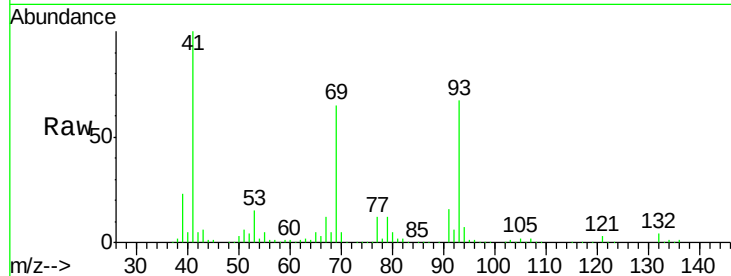
Tot Ion: 77 Resp: 35496

Ion Ratio Lower Upper

77 100

105 13.6 91.6 131.6#

106 3.6 102.6 142.6#



#10

Phenol

Concen: 4.81 ng

RT: 6.10 min Scan# 395

Delta R.T. 0.08 min

Lab File: BF081565.D

Acq: 9 Sep 2015 21:47

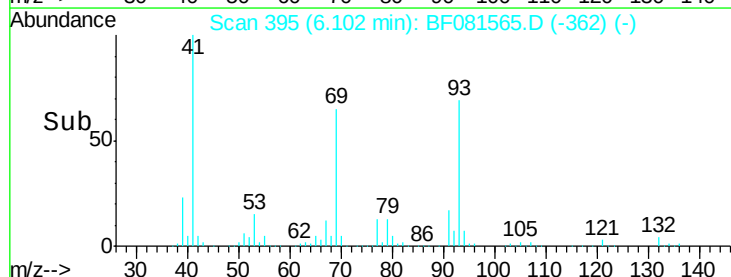
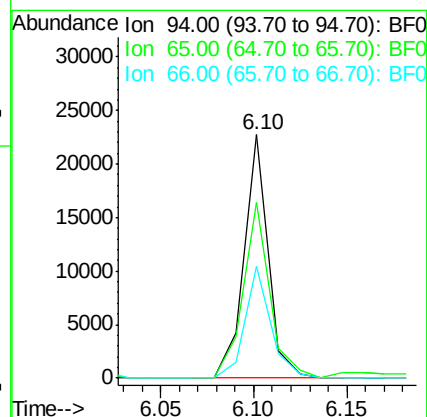
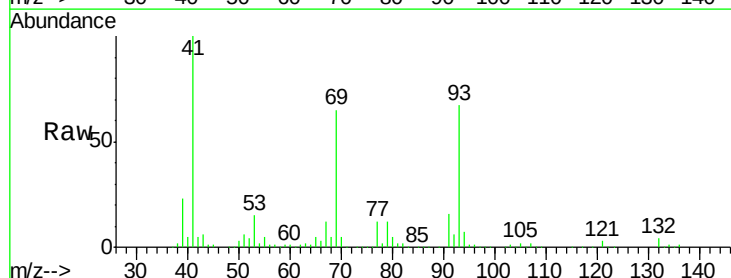
Tgt Ion: 94 Resp: 20428

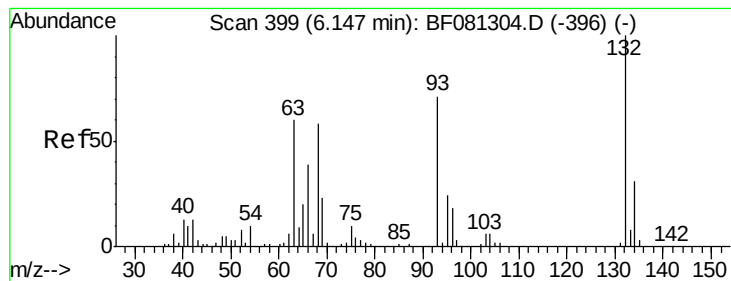
Ion Ratio Lower Upper

94 100

65 72.2 0.7 40.7#

66 45.9 0.8 40.8#

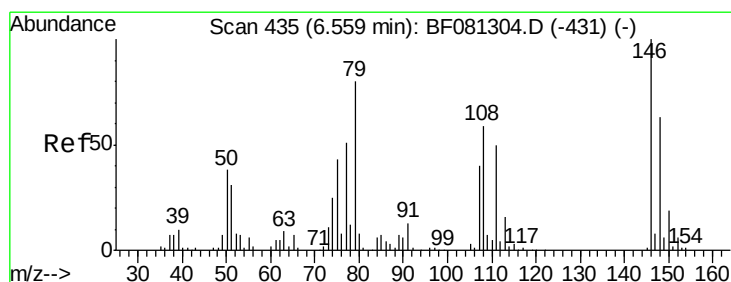
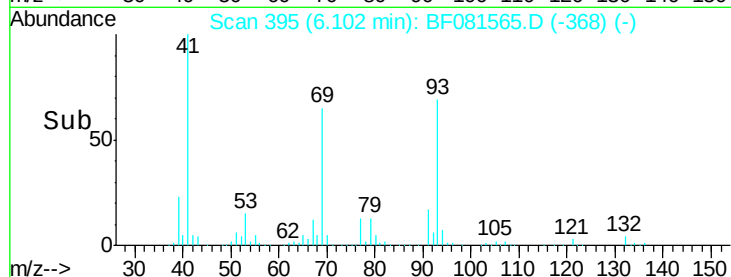
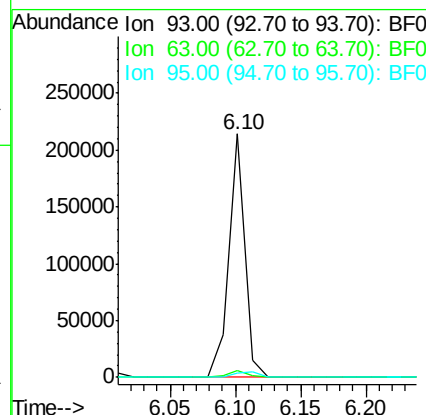
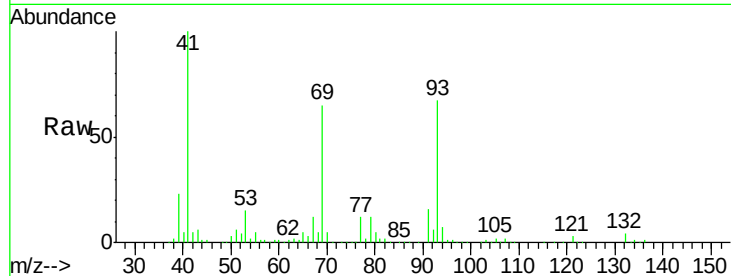




#11  
bis(2-Chloroethyl)ether  
Concen: 60.07 ng  
RT: 6.10 min Scan# 395  
Delta R.T. 0.01 min  
Lab File: BF081565.D  
Acq: 9 Sep 2015 21:47

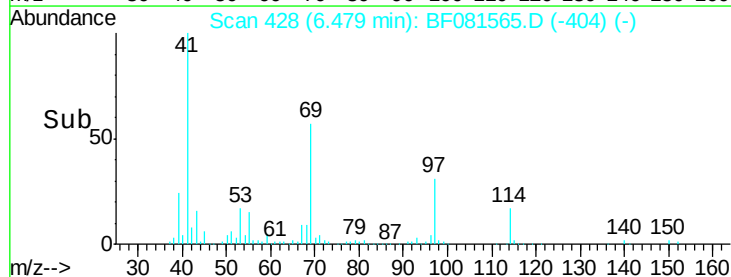
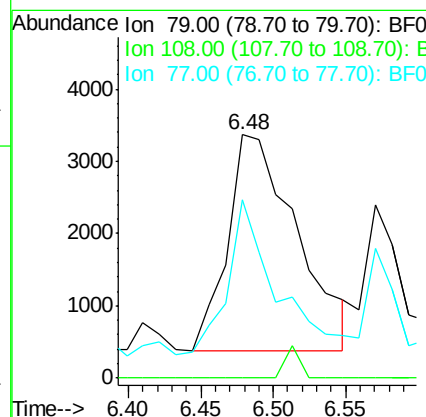
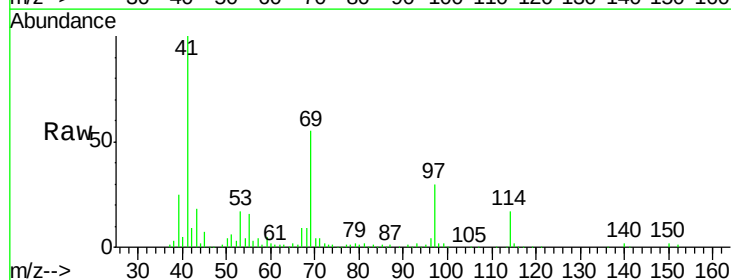
Instrument :  
BNA\_F  
ClientSampleId :  
1507293456THRU-1507293463-CO

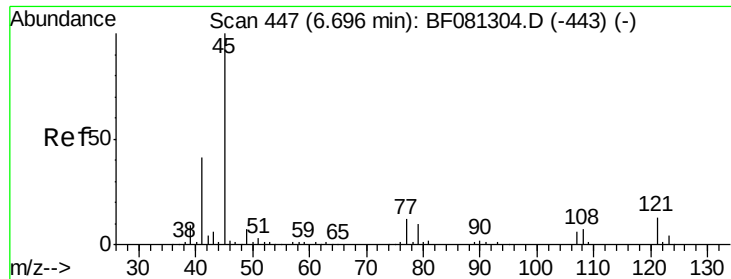
Tot Ion: 93 Resp: 184261  
Ion Ratio Lower Upper  
93 100  
63 2.7 65.6 105.6#  
95 1.8 13.6 53.6#



#15  
Benzyl Alcohol  
Concen: 3.29 ng  
RT: 6.48 min Scan# 428  
Delta R.T. -0.02 min  
Lab File: BF081565.D  
Acq: 9 Sep 2015 21:47

Tgt Ion: 79 Resp: 9879  
Ion Ratio Lower Upper  
79 100  
108 0.0 88.6 132.8#  
77 73.4 47.0 70.4#

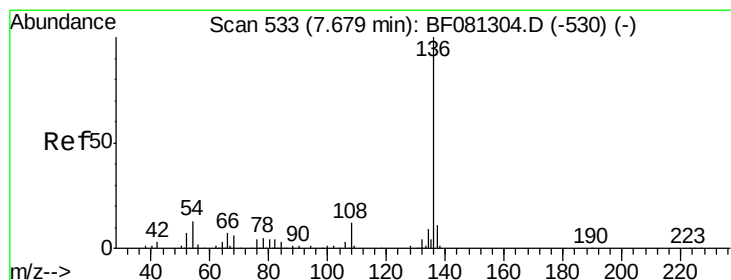
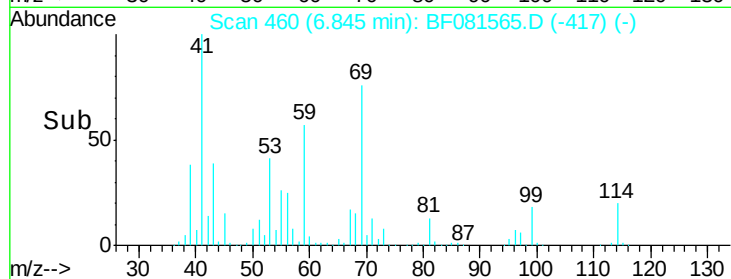
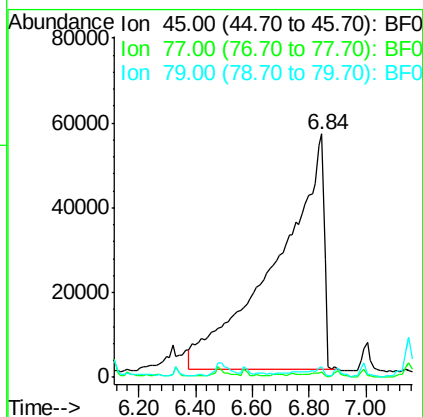
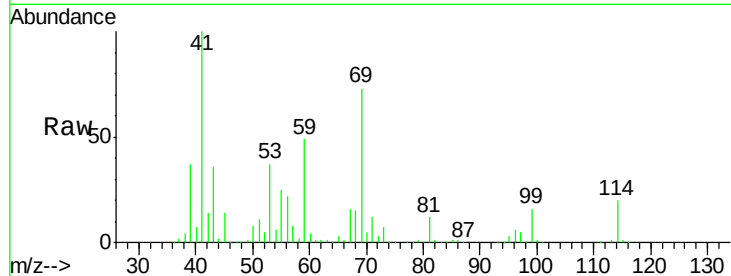




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 108.59 ng  
RT: 6.84 min Scan# 460  
Delta R.T. 0.19 min  
Lab File: BF081565.D  
Acq: 9 Sep 2015 21:47

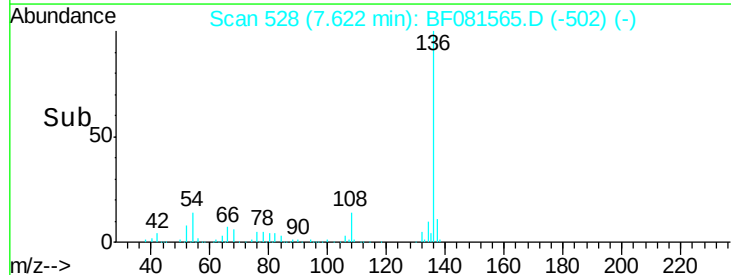
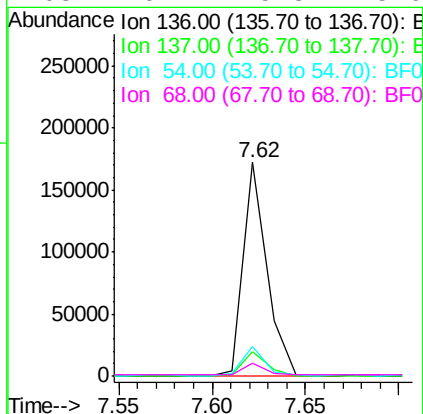
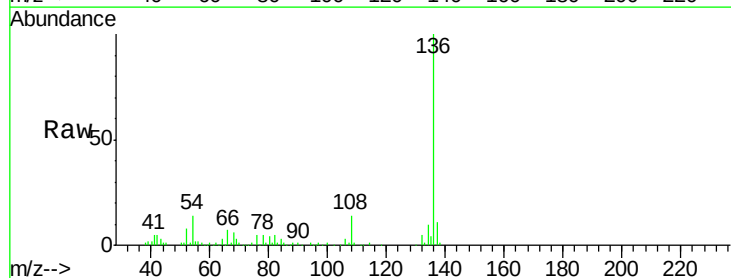
Instrument :  
BNA\_F  
ClientSampleId :  
1507293456THRU-1507293463-CO

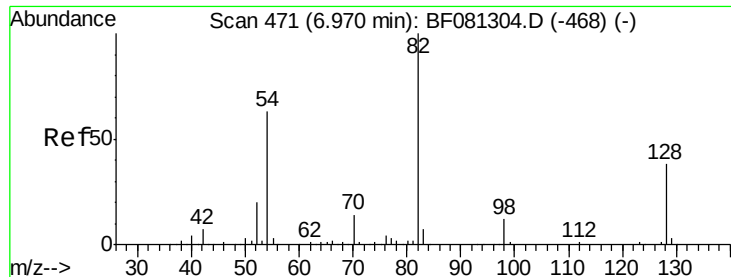
Tot Ion: 45 Resp: 638432  
Ion Ratio Lower Upper  
45 100  
77 2.1 0.0 28.1  
79 4.5 0.0 26.0



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.62 min Scan# 528  
Delta R.T. -0.00 min  
Lab File: BF081565.D  
Acq: 9 Sep 2015 21:47

Tgt Ion: 136 Resp: 152788  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.0 13.6  
54 14.1 8.2 12.2#  
68 6.2 5.8 8.6





#23

Nitrobenzene-d5

Concen: 3.52 ng

RT: 6.91 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF081565.D

Acq: 9 Sep 2015 21:47

Instrument :

BNA\_F

ClientSampleId :

1507293456THRU-1507293463-CO

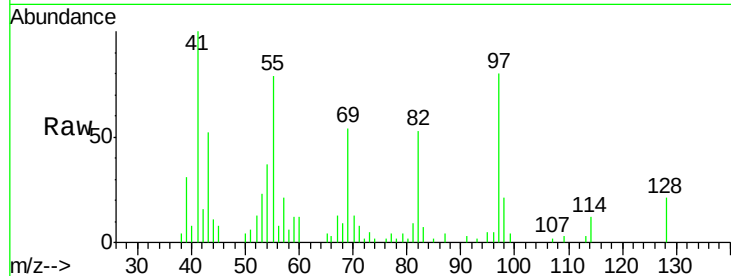
Tot Ion: 82 Resp: 11143

Ion Ratio Lower Upper

82 100

128 40.4 51.0 76.6#

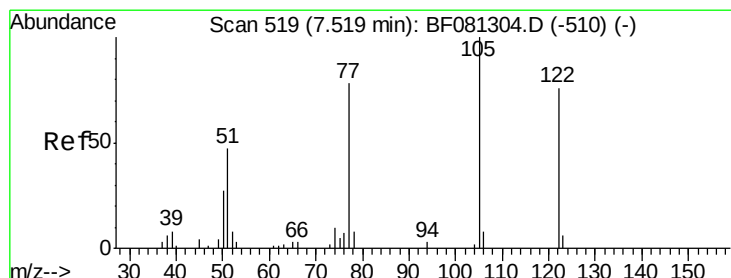
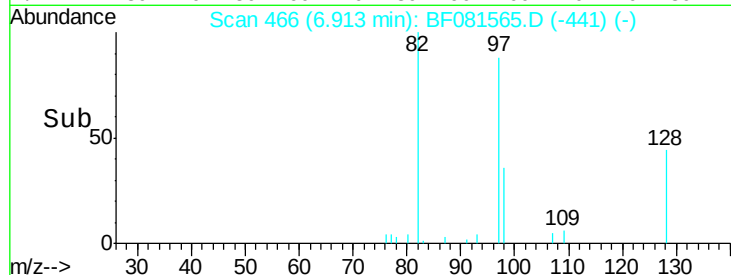
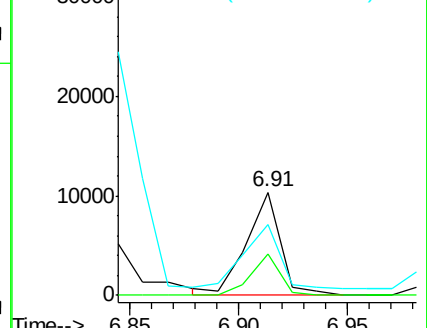
54 68.9 47.5 71.3



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



#32

Benzoic acid

Concen: 2.68 ng

RT: 7.72 min Scan# 537

Delta R.T. 0.23 min

Lab File: BF081565.D

Acq: 9 Sep 2015 21:47

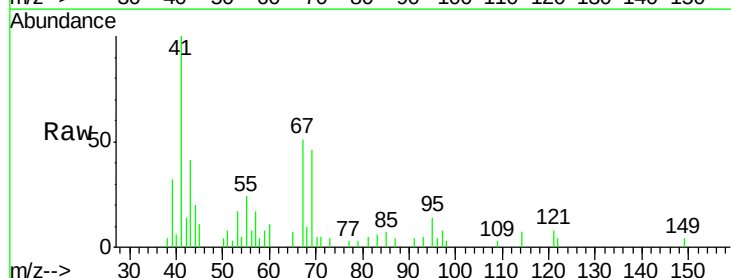
Tgt Ion: 122 Resp: 261

Ion Ratio Lower Upper

122 100

105 0.0 76.1 116.1#

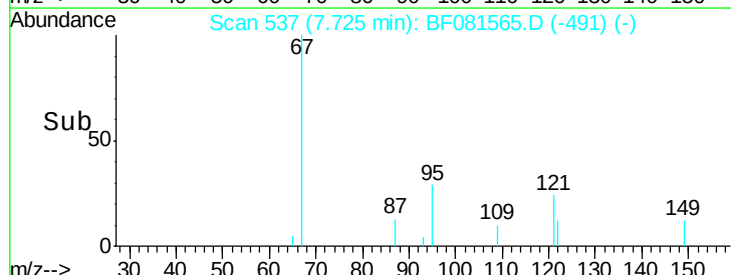
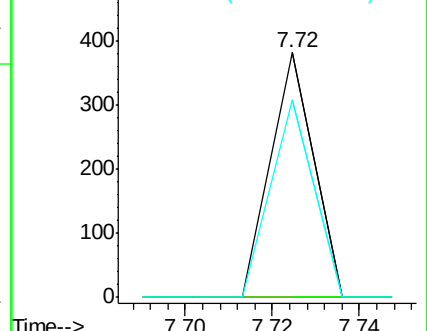
77 80.8 40.5 80.5#



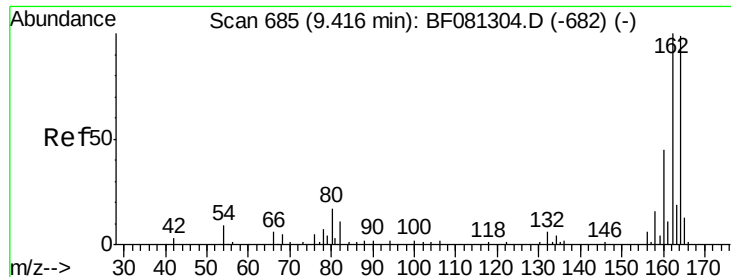
Abundance Ion 122.00 (121.70 to 122.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



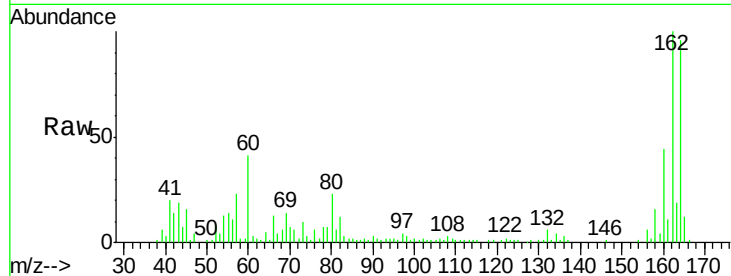




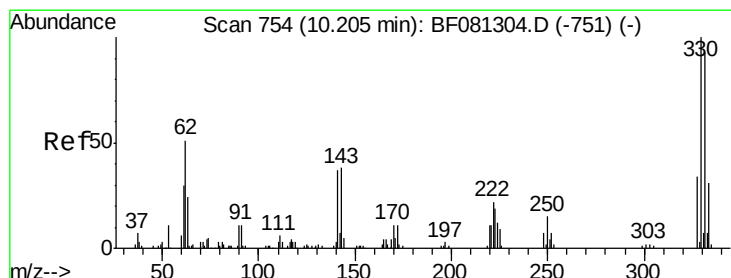
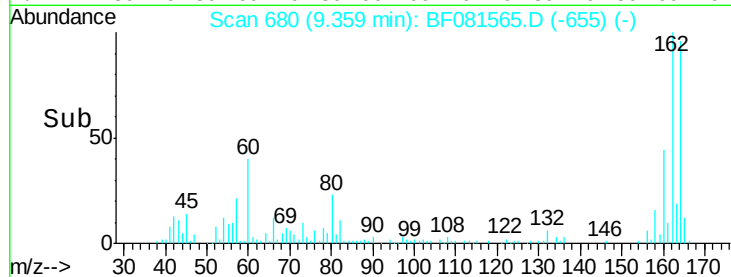
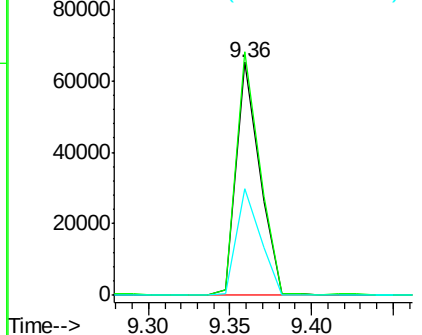
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.36 min Scan# 680  
 Delta R.T. -0.01 min  
 Lab File: BF081565.D  
 Acq: 9 Sep 2015 21:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1507293456THRU-1507293463-CO

Tot Ion:164 Resp: 64373  
 Ion Ratio Lower Upper  
 164 100  
 162 104.3 75.2 112.8  
 160 45.5 31.5 47.3

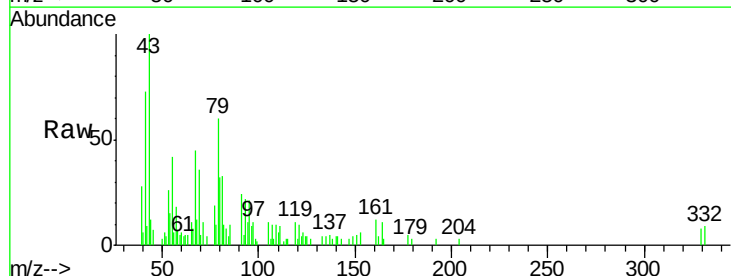


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

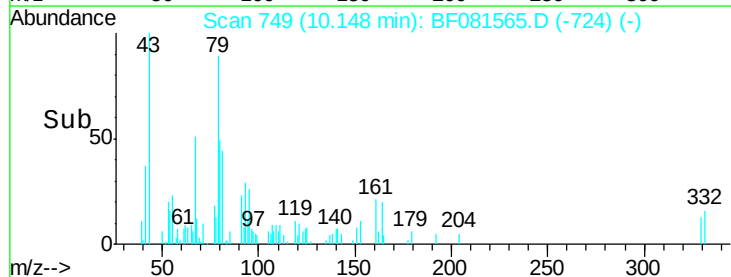
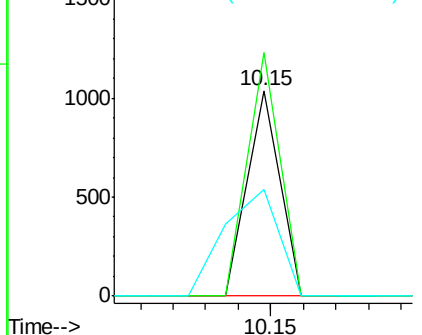


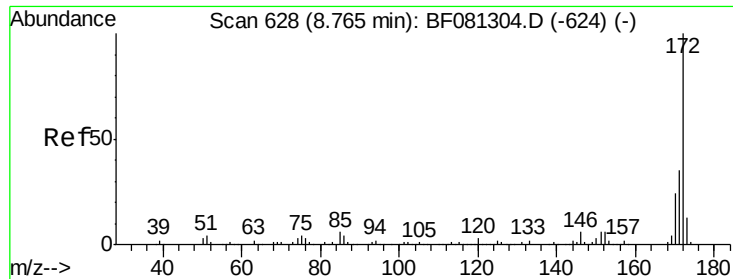
#41  
 2,4,6-Tribromophenol  
 Concen: 1.24 ng  
 RT: 10.15 min Scan# 749  
 Delta R.T. -0.01 min  
 Lab File: BF081565.D  
 Acq: 9 Sep 2015 21:47

Tgt Ion:330 Resp: 712  
 Ion Ratio Lower Upper  
 330 100  
 332 118.4 76.6 114.8#  
 141 87.2 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

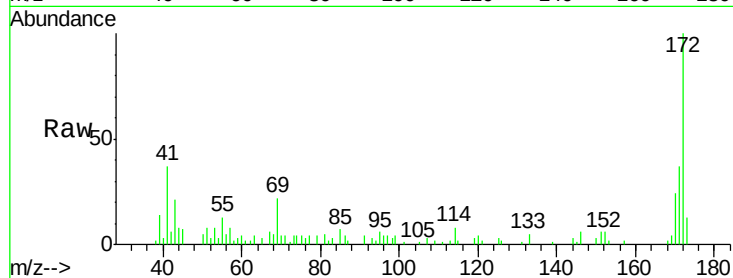




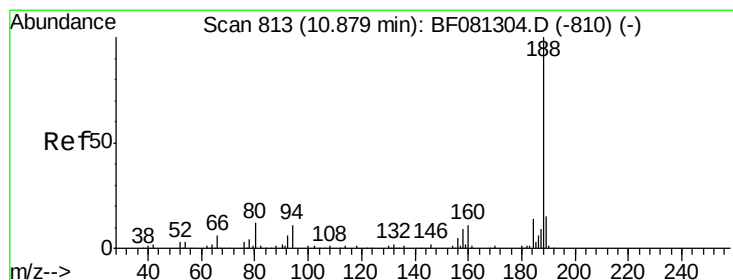
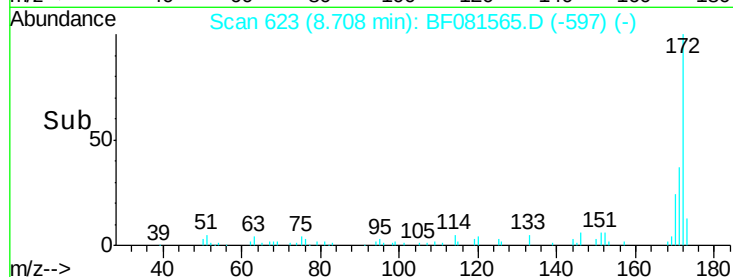
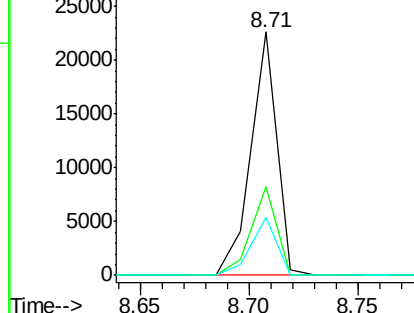
#44  
 2-Fluorobiphenyl  
 Concen: 3.72 ng  
 RT: 8.71 min Scan# 623  
 Delta R.T. -0.00 min  
 Lab File: BF081565.D  
 Acq: 9 Sep 2015 21:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1507293456THRU-1507293463-CO

Tot Ion:172 Resp: 18707  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 26.1 39.1  
 170 23.7 17.4 26.2

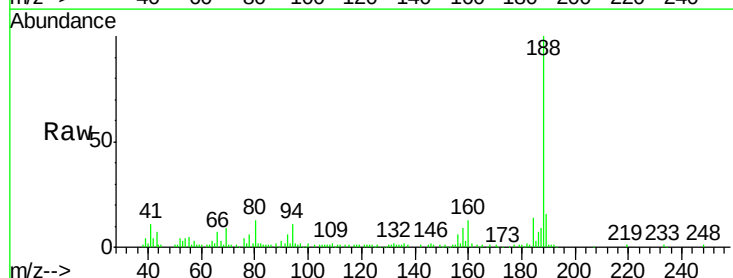


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

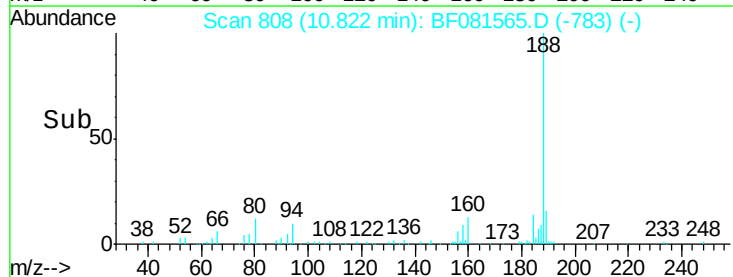
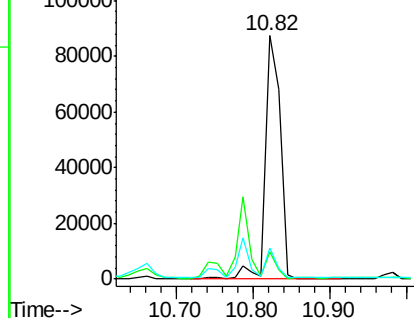


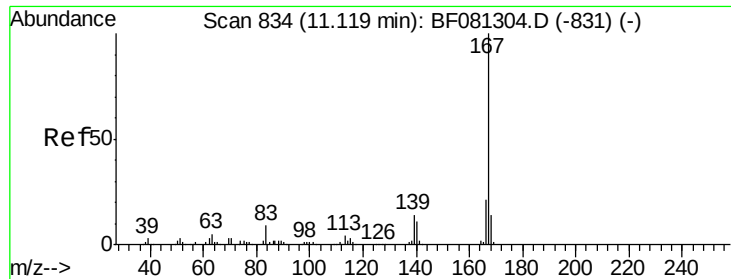
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 10.82 min Scan# 808  
 Delta R.T. -0.01 min  
 Lab File: BF081565.D  
 Acq: 9 Sep 2015 21:47

Tgt Ion:188 Resp: 115391  
 Ion Ratio Lower Upper  
 188 100  
 94 11.1 11.1 16.7#  
 80 12.7 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

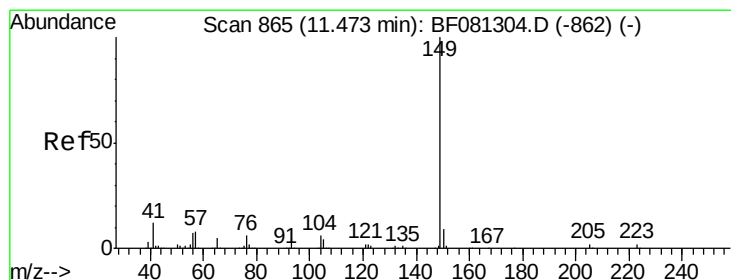
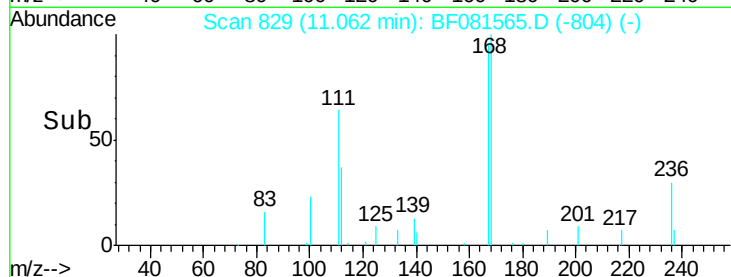
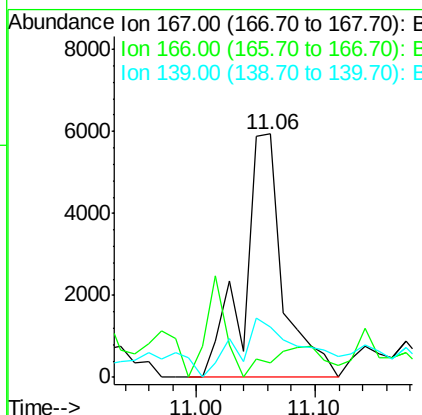
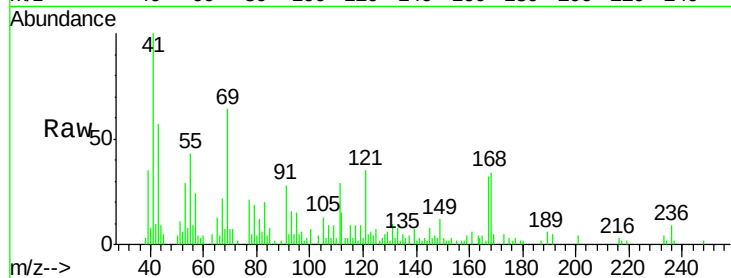




#72  
 Carbazole  
 Concen: 2.19 ng  
 RT: 11.06 min Scan# 829  
 Delta R.T. -0.01 min  
 Lab File: BF081565.D  
 Acq: 9 Sep 2015 21:47

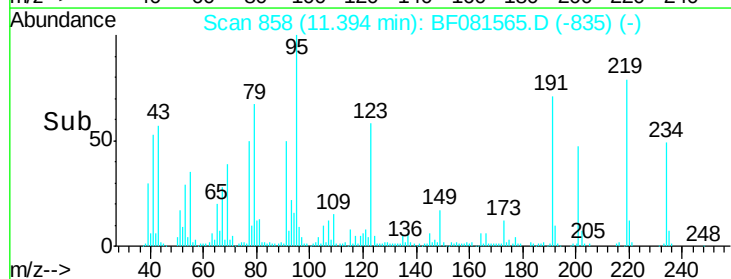
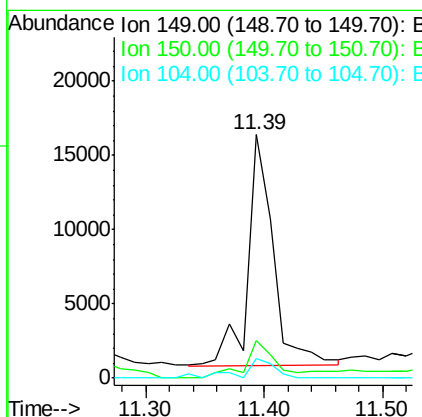
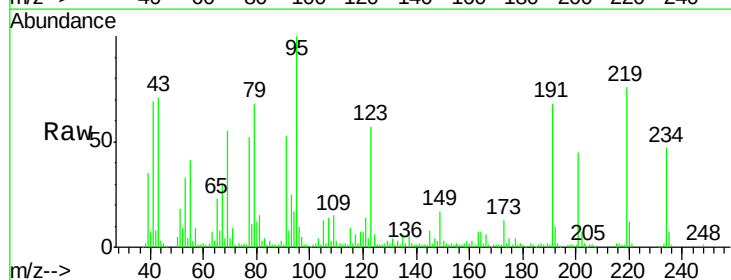
Instrument :  
 BNA\_F  
 ClientSampleId :  
 1507293456THRU-1507293463-CO

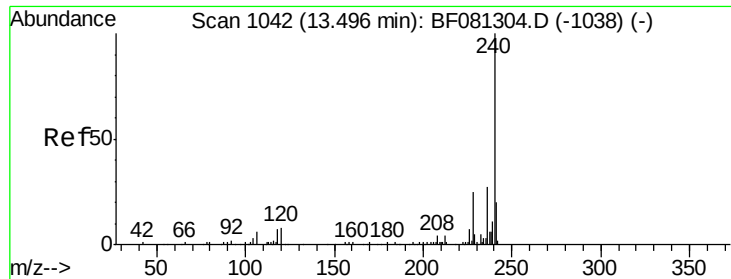
Tot Ion:167 Resp: 13546  
 Ion Ratio Lower Upper  
 167 100  
 166 5.8 15.7 23.5#  
 139 20.6 9.5 14.3#



#73  
 Di-n-butylphthalate  
 Concen: 3.20 ng  
 RT: 11.39 min Scan# 858  
 Delta R.T. -0.03 min  
 Lab File: BF081565.D  
 Acq: 9 Sep 2015 21:47

Tgt Ion:149 Resp: 23393  
 Ion Ratio Lower Upper  
 149 100  
 150 15.4 7.4 11.2#  
 104 8.0 2.4 3.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.45 min Scan# 1038

Delta R.T. 0.01 min

Lab File: BF081565.D

Acq: 9 Sep 2015 21:47

Instrument :

BNA\_F

ClientSampleId :

1507293456THRU-1507293463-CO

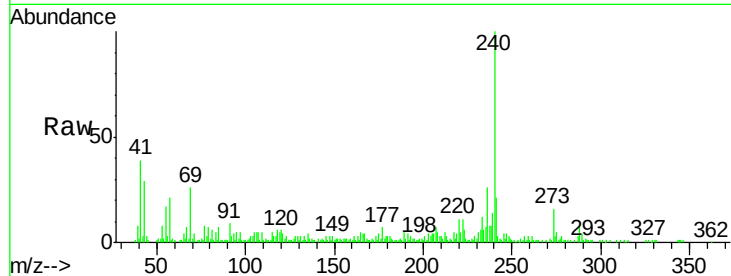
Tot Ion:240 Resp: 86263

Ion Ratio Lower Upper

240 100

120 6.4 16.2 24.2#

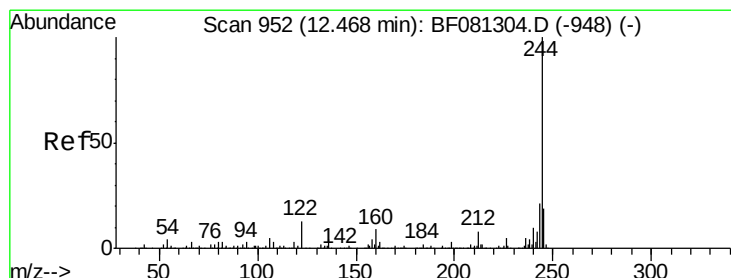
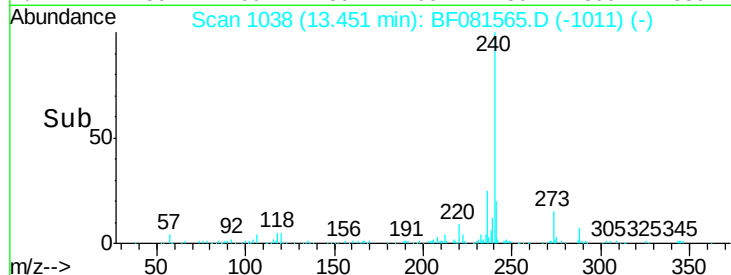
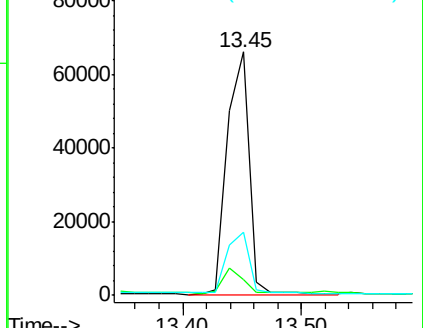
236 26.0 18.4 27.6



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: 3.96 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.00 min

Lab File: BF081565.D

Acq: 9 Sep 2015 21:47

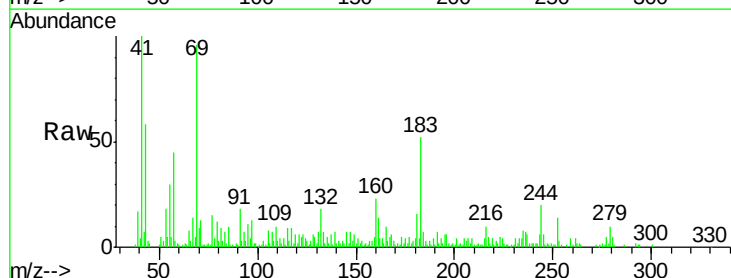
Tgt Ion:244 Resp: 14671

Ion Ratio Lower Upper

244 100

212 9.8 4.3 6.5#

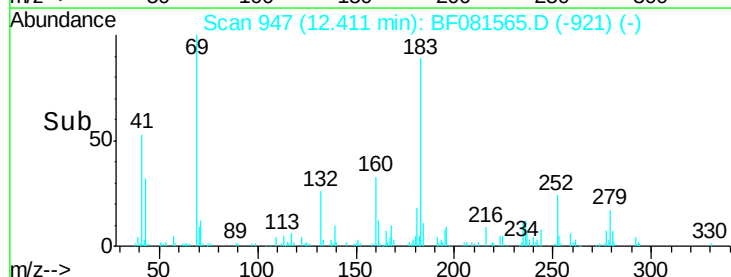
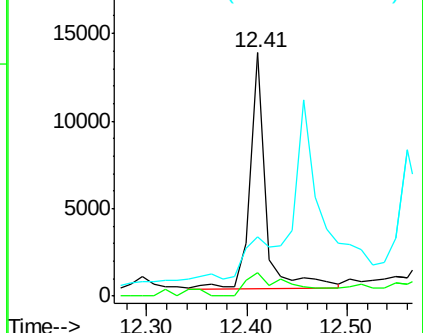
122 24.2 17.4 26.2

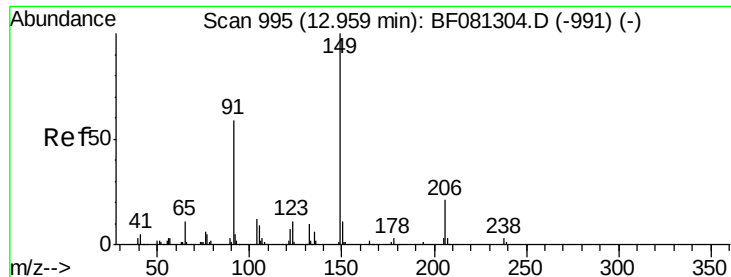


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

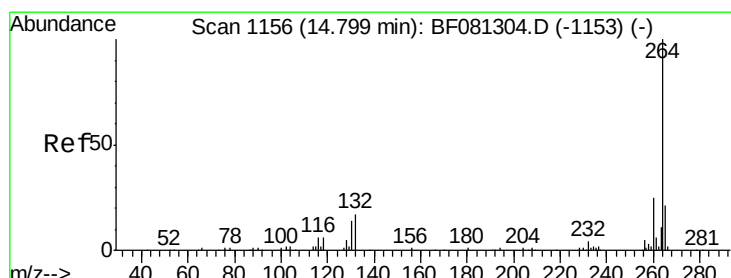
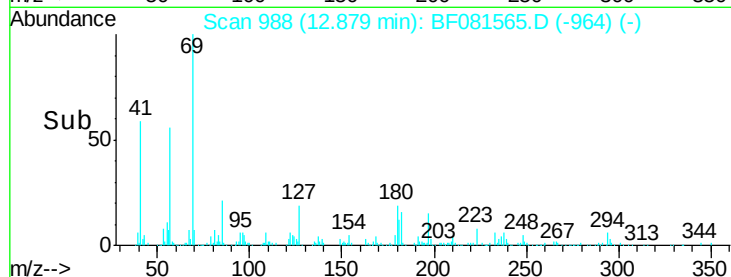
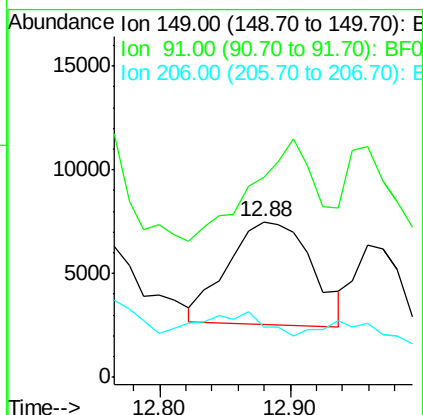
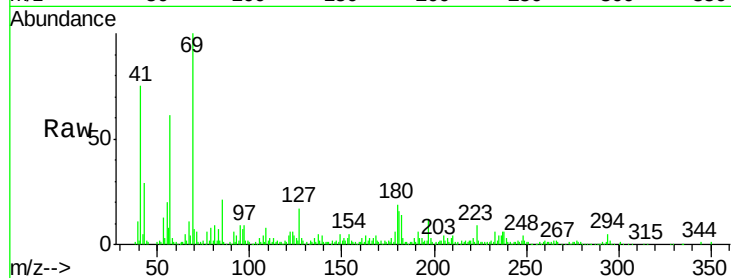




#79  
Butylbenzylphthalate  
Concen: 8.00 ng  
RT: 12.88 min Scan# 988  
Delta R.T. -0.02 min  
Lab File: BF081565.D  
Acq: 9 Sep 2015 21:47

Instrument :  
BNA\_F  
ClientSampleId :  
1507293456THRU-1507293463-CO

Tot Ion:149 Resp: 22225  
Ion Ratio Lower Upper  
149 100  
91 128.3 48.6 72.8#  
206 32.3 14.9 22.3#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 14.74 min Scan# 1151  
Delta R.T. -0.00 min  
Lab File: BF081565.D  
Acq: 9 Sep 2015 21:47

Tgt Ion:264 Resp: 83261  
Ion Ratio Lower Upper  
264 100  
260 24.0 16.7 25.1  
265 21.6 17.2 25.8

