

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063016\  
 Data File : BF088552.D  
 Acq On : 1 Jul 2016 2:17  
 Operator : UM/SJ  
 Sample : H3630-06  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1409-TP-DUP01-0616

Quant Time: Jul 01 05:32:37 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 01 01:58:49 2016  
 Response via : Initial Calibration

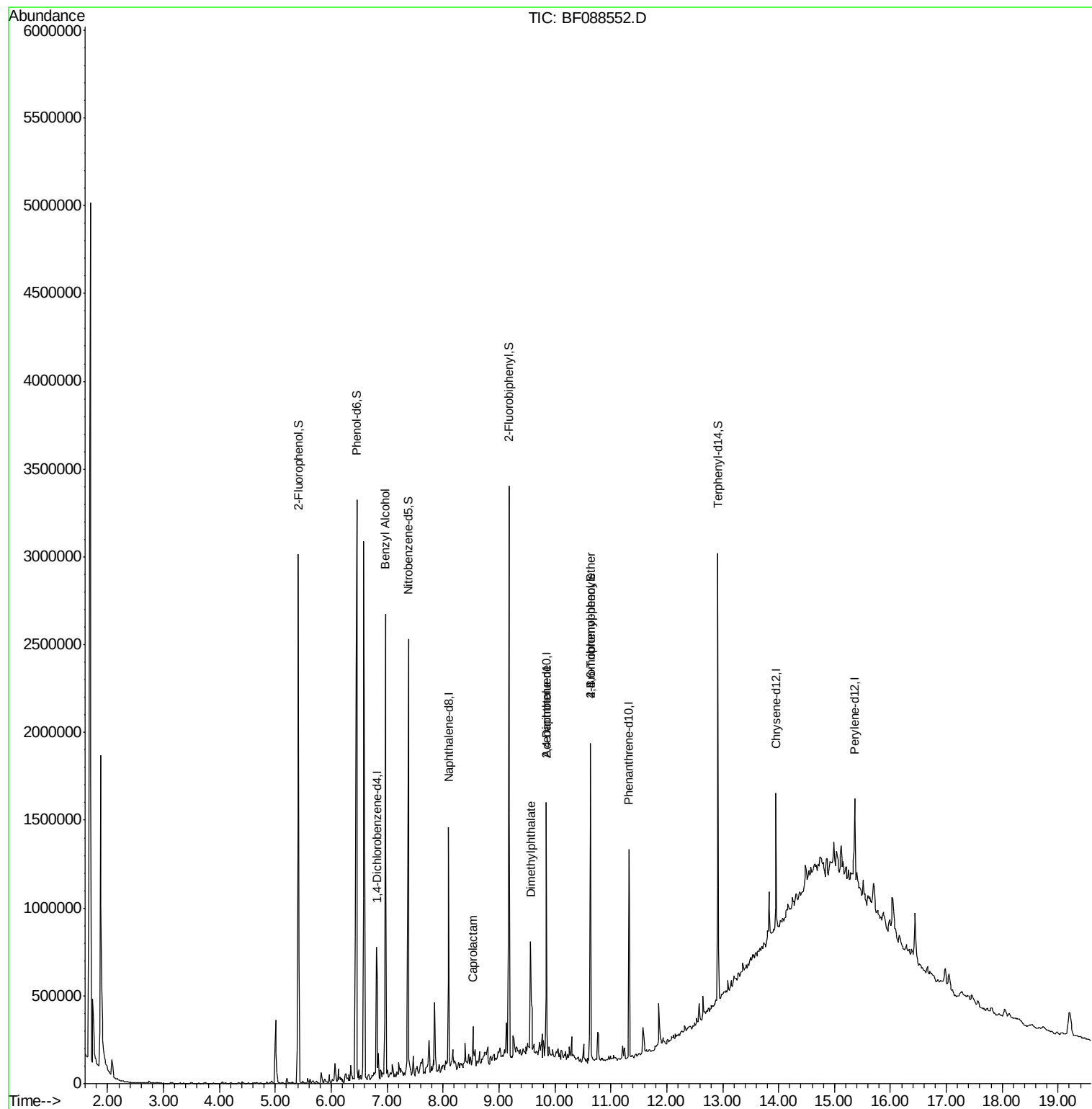
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 6.81  | 152  | 140055   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.10  | 136  | 593243   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 9.85  | 164  | 254269   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 11.32 | 188  | 393718   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 13.95 | 240  | 256943   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.36 | 264  | 261685   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.42  | 112  | 1066745  | 114.15 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.46  | 99   | 1613253  | 133.60 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.38  | 82   | 932981   | 82.42  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 10.64 | 330  | 284659   | 120.56 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 9.18  | 172  | 1224663  | 76.08  | ng    | 0.00     |
| 78) Terphenyl-d14             | 12.91 | 244  | 774466   | 67.14  | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       |          |
| 15) Benzyl Alcohol            | 6.97  | 79   | 20866    | 2.35   | ng    | # 47     |
| 35) Caprolactam               | 8.54  | 113  | 5547     | 2.07   | ng    | # 23     |
| 49) Dimethylphthalate         | 9.56  | 163  | 221355   | 12.22  | ng    | # 99     |
| 56) 2,4-Dinitrotoluene        | 9.85  | 165  | 34187    | 6.51   | ng    | # 39     |
| 66) 4-Bromophenyl-phenylether | 10.64 | 248  | 19425    | 4.90   | ng    | # 1      |

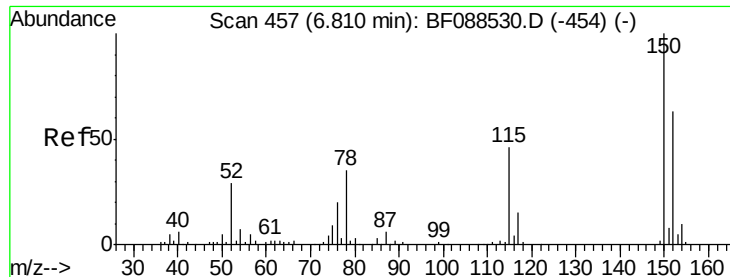
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063016\  
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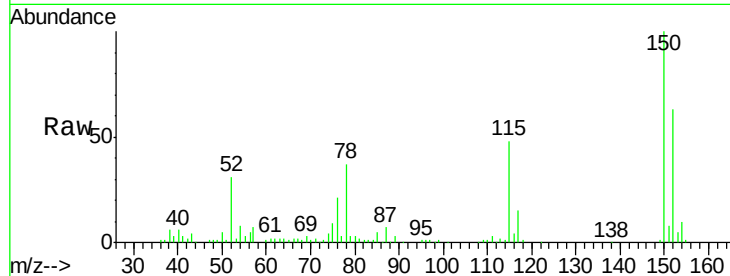


#1

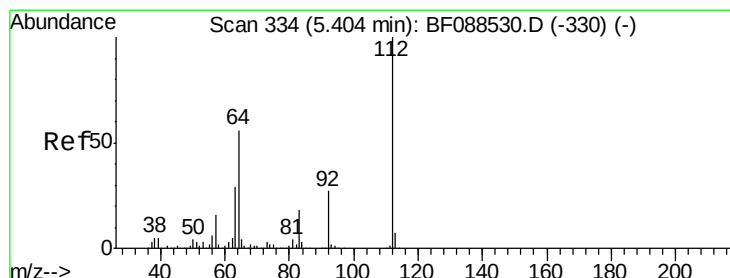
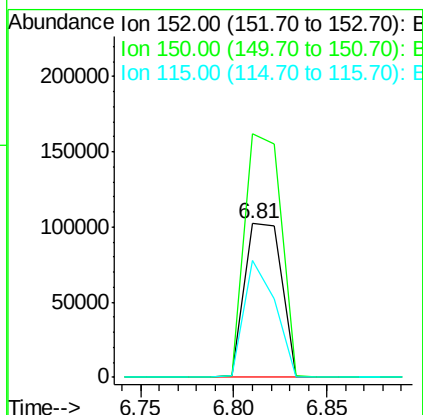
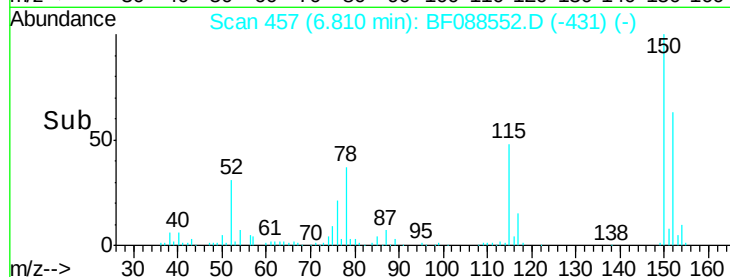
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.81 min Scan# 457  
Delta R.T. 0.00 min  
Lab File: BF088552.D  
Acq: 1 Jul 2016 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
B1409-TP-DUP01-0616

Tgt Ion:152 Resp: 140055  
Ion Ratio Lower Upper  
152 100  
150 158.2 123.8 185.6  
115 76.1 39.6 59.4#



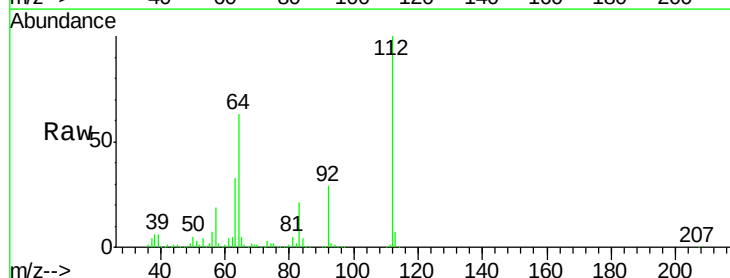
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



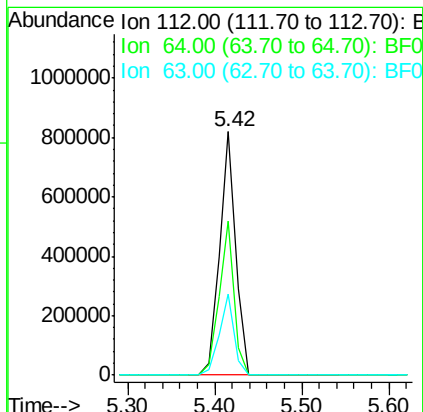
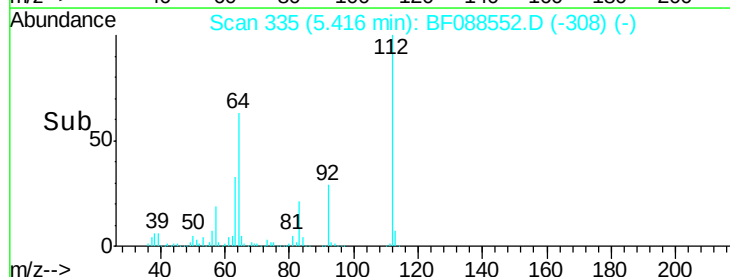
#5

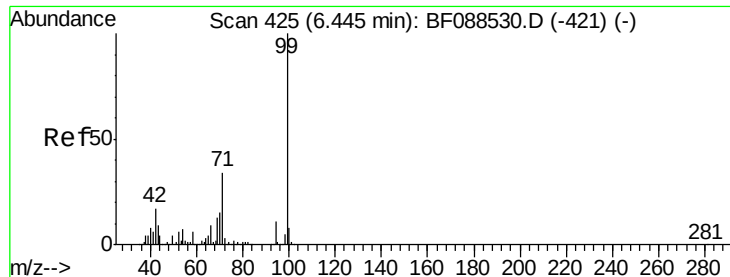
2-Fluorophenol  
Concen: 114.15 ng  
RT: 5.42 min Scan# 335  
Delta R.T. 0.01 min  
Lab File: BF088552.D  
Acq: 1 Jul 2016 2:17

Tgt Ion:112 Resp: 1066745  
Ion Ratio Lower Upper  
112 100  
64 63.3 42.2 63.2#  
63 33.4 21.8 32.8#



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: 133.60 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

Instrument :

BNA\_F

ClientSampleId :

B1409-TP-DUP01-0616

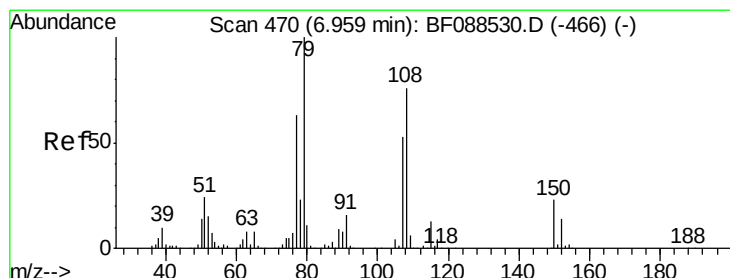
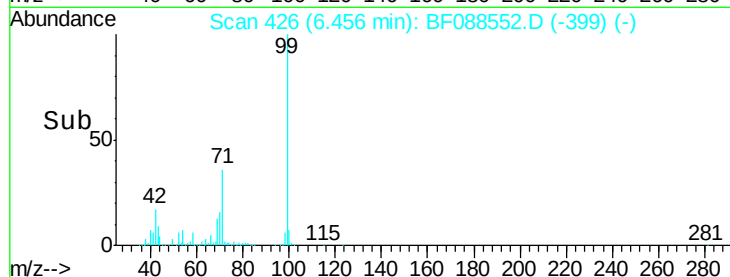
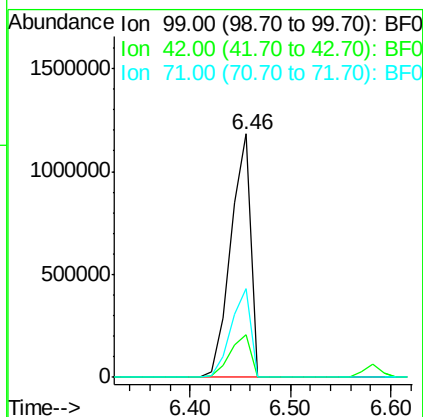
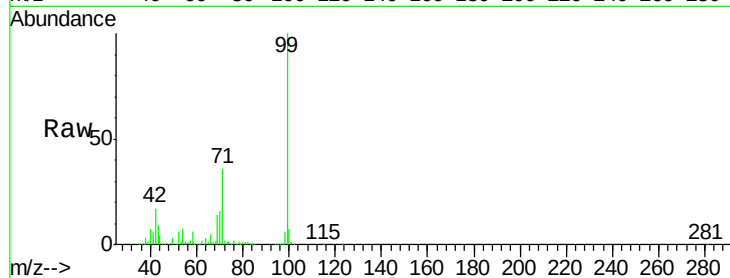
Tgt Ion: 99 Resp: 1613253

Ion Ratio Lower Upper

99 100

42 17.4 12.2 18.2

71 36.3 23.4 35.0#



#15

Benzyl Alcohol

Concen: 2.35 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.01 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

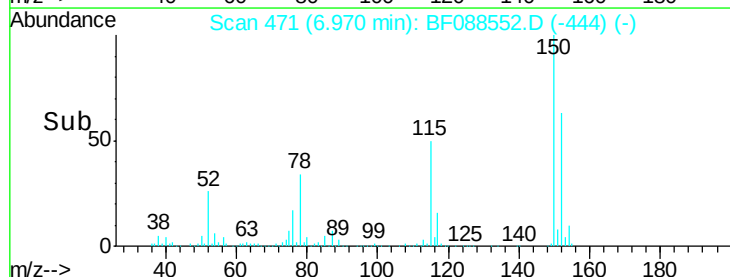
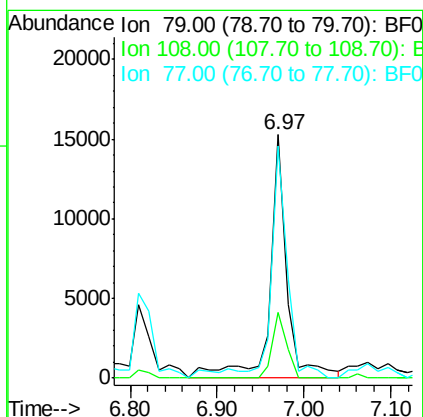
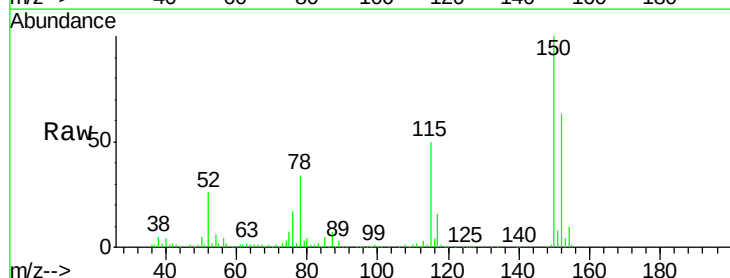
Tgt Ion: 79 Resp: 20866

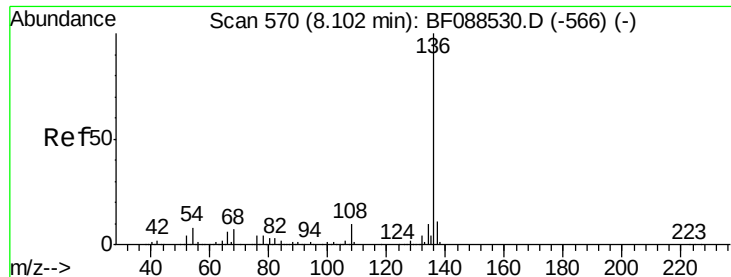
Ion Ratio Lower Upper

79 100

108 27.2 65.0 97.6#

77 95.5 50.3 75.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

Instrument :

BNA\_F

ClientSampleId :

B1409-TP-DUP01-0616

Tgt Ion:136 Resp: 593243

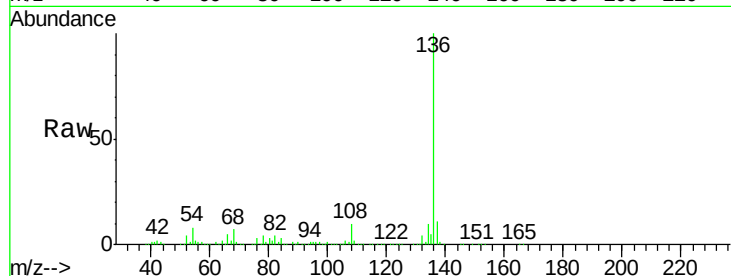
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.5 6.6 10.0

68 6.7 5.1 7.7

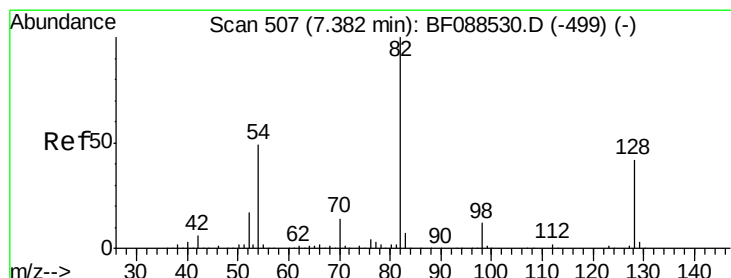
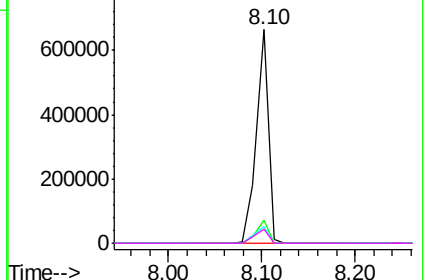
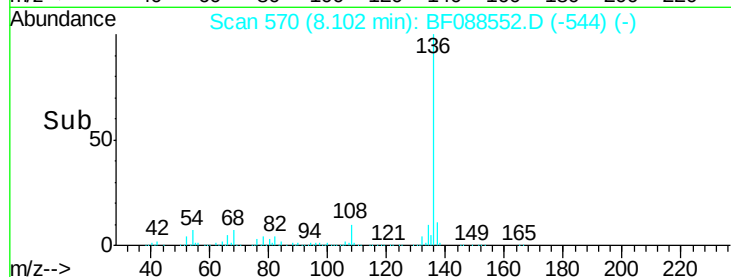


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 82.42 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.00 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

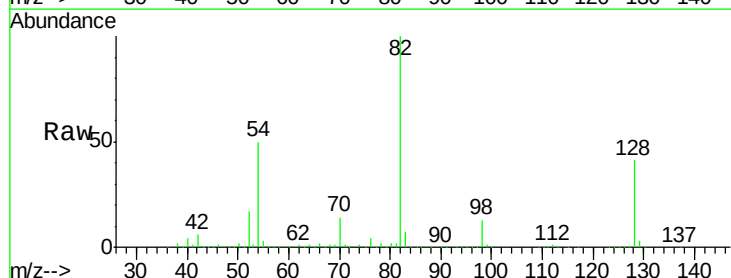
Tgt Ion: 82 Resp: 932981

Ion Ratio Lower Upper

82 100

128 41.3 35.9 53.9

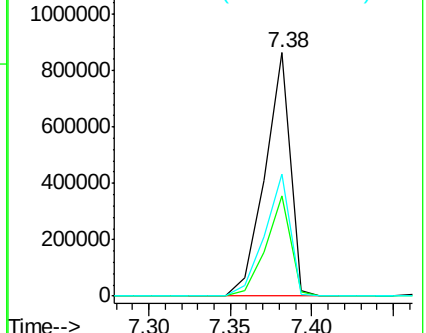
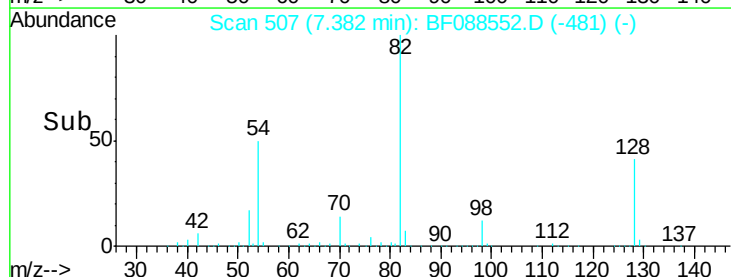
54 50.0 40.9 61.3

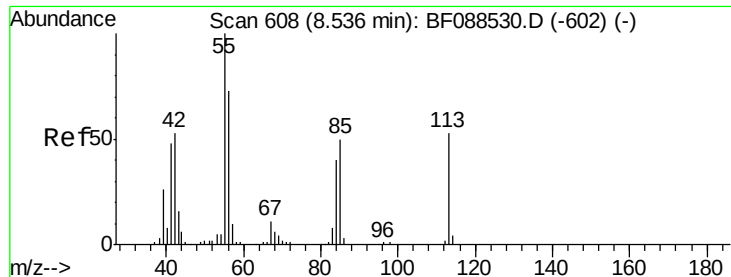


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#35

Caprolactam

Concen: 2.07 ng

RT: 8.54 min Scan# 608

Delta R.T. -0.01 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

Instrument :

BNA\_F

ClientSampleId :

B1409-TP-DUP01-0616

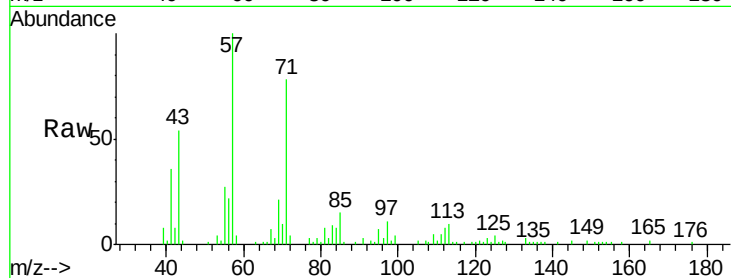
Tgt Ion:113 Resp: 5547

Ion Ratio Lower Upper

113 100

55 279.0 158.6 198.6#

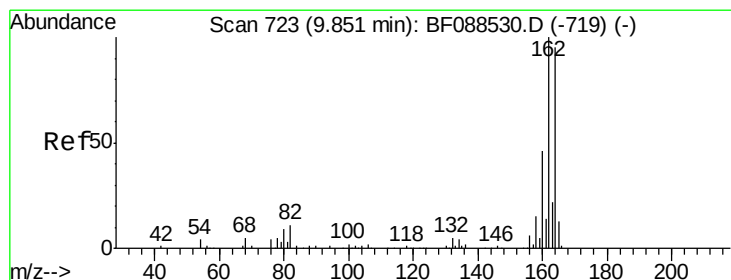
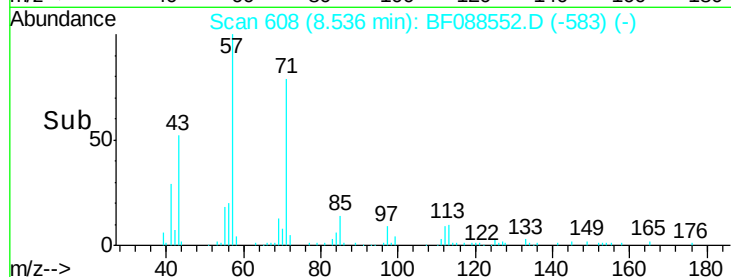
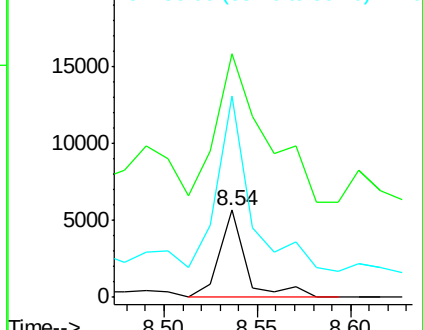
56 230.6 110.6 150.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

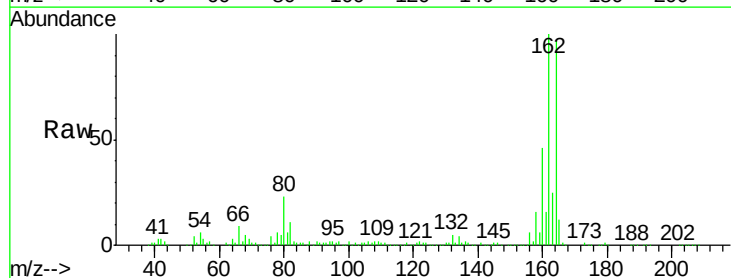
Tgt Ion:164 Resp: 254269

Ion Ratio Lower Upper

164 100

162 102.8 85.4 128.2

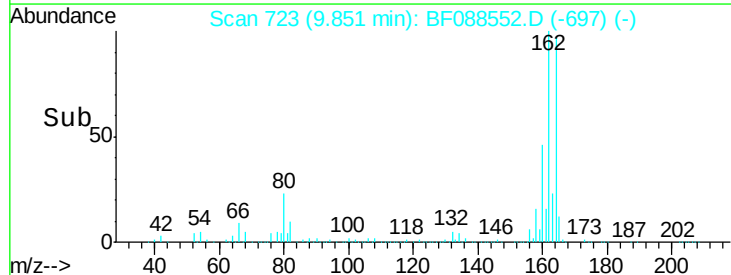
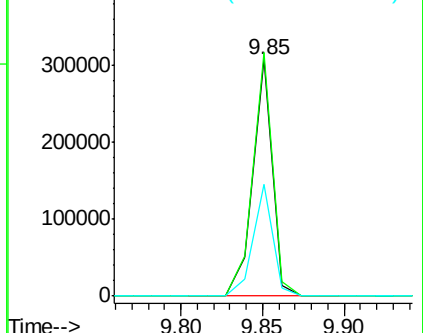
160 47.0 39.5 59.3

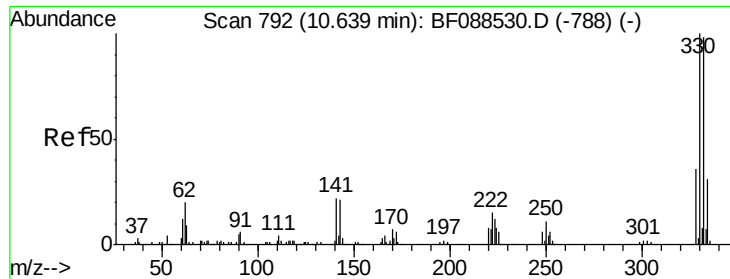


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

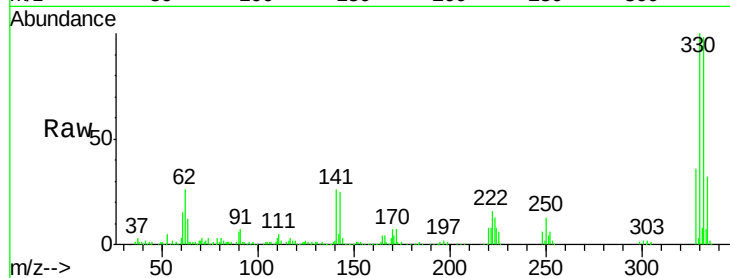




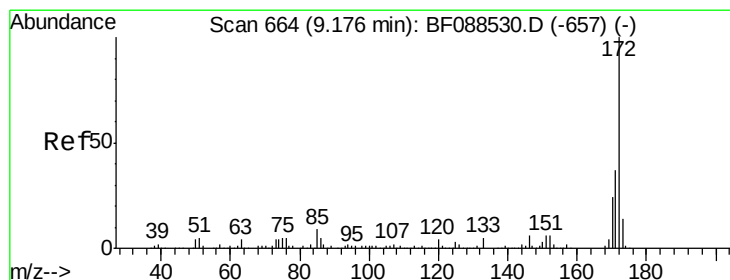
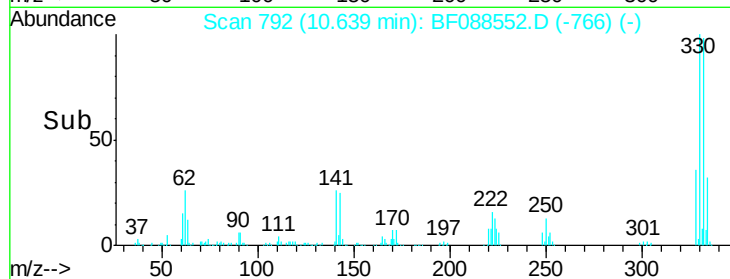
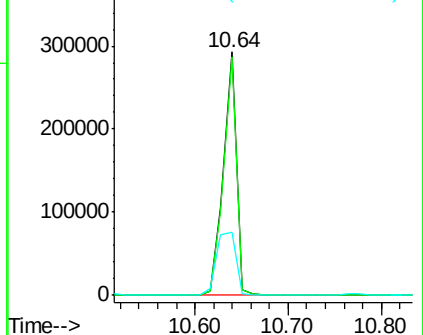
#41  
 2,4,6-Tribromophenol  
 Concen: 120.56 ng  
 RT: 10.64 min Scan# 792  
 Delta R.T. 0.00 min  
 Lab File: BF088552.D  
 Acq: 1 Jul 2016 2:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1409-TP-DUP01-0616

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 0.0   | 0.0#  |
| 141     | 37.8  | 0.0   | 0.0#  |

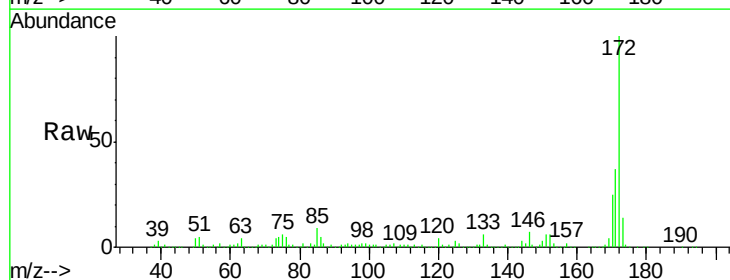


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

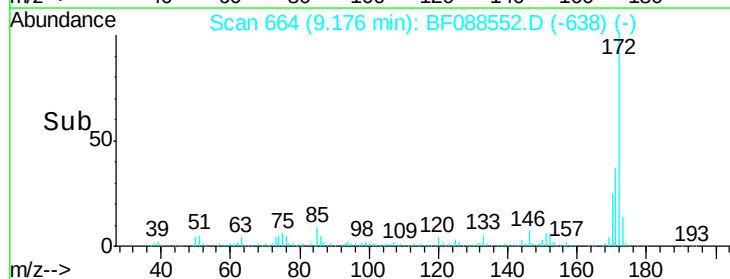
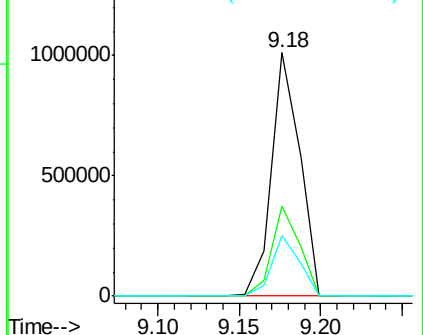


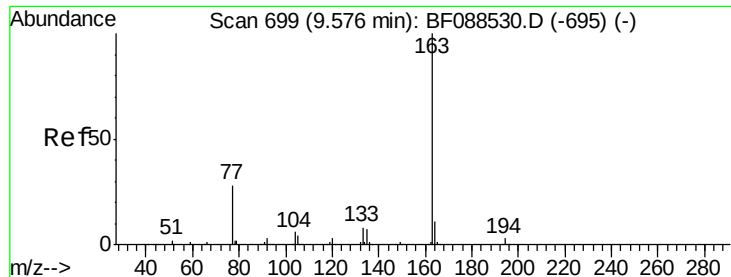
#44  
 2-Fluorobiphenyl  
 Concen: 76.08 ng  
 RT: 9.18 min Scan# 664  
 Delta R.T. 0.00 min  
 Lab File: BF088552.D  
 Acq: 1 Jul 2016 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 28.6  | 43.0  |
| 170     | 24.6  | 19.2  | 28.8  |



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

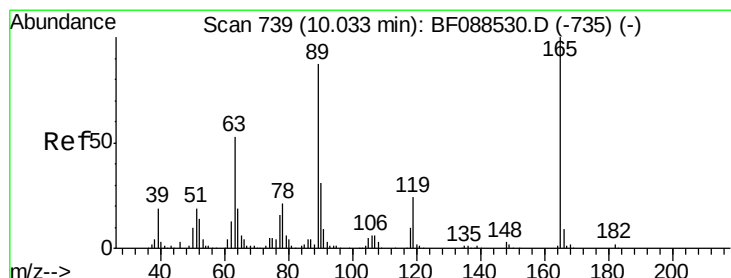
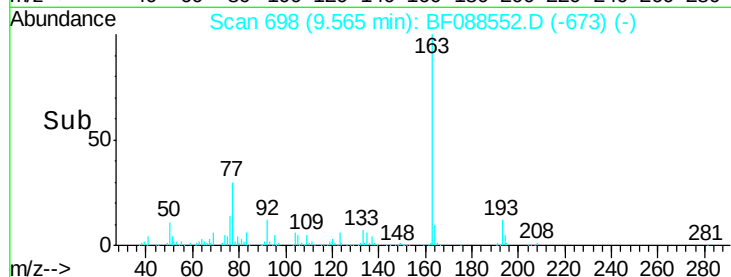
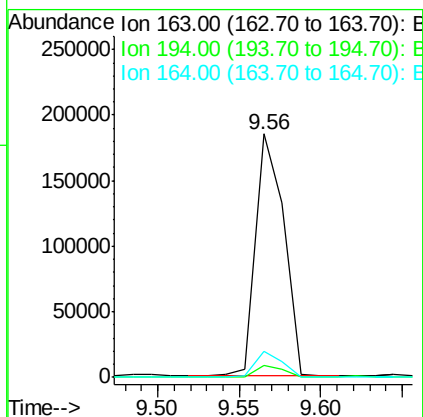
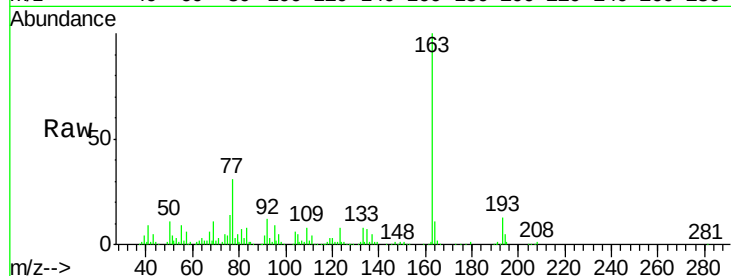




#49  
Dimethylphthalate  
Concen: 12.22 ng  
RT: 9.56 min Scan# 698  
Delta R.T. -0.01 min  
Lab File: BF088552.D  
Acq: 1 Jul 2016 2:17

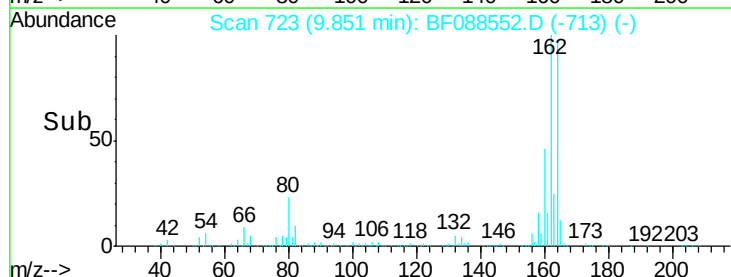
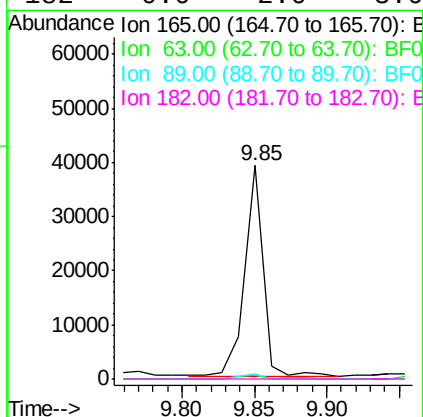
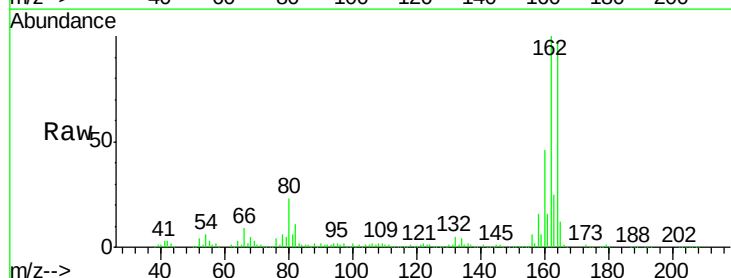
Instrument :  
BNA\_F  
ClientSampleId :  
B1409-TP-DUP01-0616

Tgt Ion:163 Resp: 221355  
Ion Ratio Lower Upper  
163 100  
194 4.7 2.8 4.2#  
164 10.6 8.3 12.5

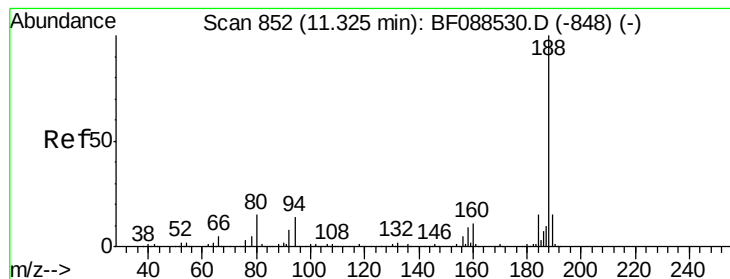


#56  
2,4-Dinitrotoluene  
Concen: 6.51 ng  
RT: 9.85 min Scan# 723  
Delta R.T. -0.18 min  
Lab File: BF088552.D  
Acq: 1 Jul 2016 2:17

Tgt Ion:165 Resp: 34187  
Ion Ratio Lower Upper  
165 100  
63 1.8 22.0 33.0#  
89 2.1 41.1 61.7#  
182 0.0 2.0 3.0#







#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

Instrument :

BNA\_F

ClientSampleId :

B1409-TP-DUP01-0616

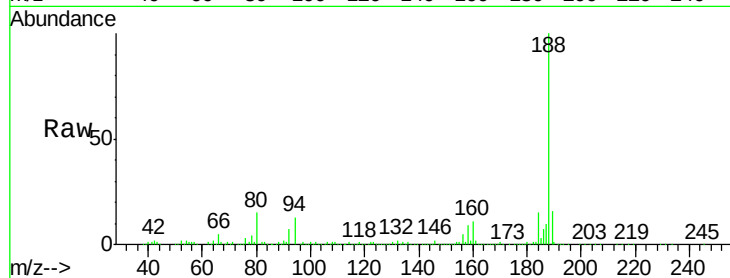
Tgt Ion:188 Resp: 393718

Ion Ratio Lower Upper

188 100

94 12.8 9.0 13.6

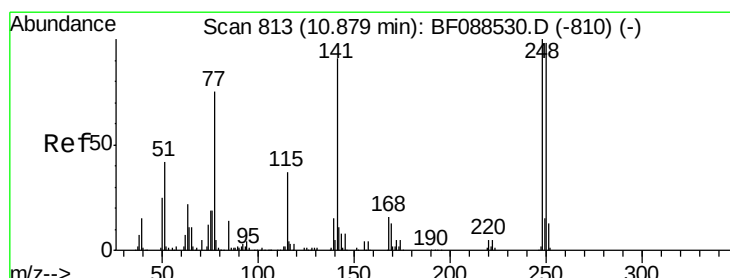
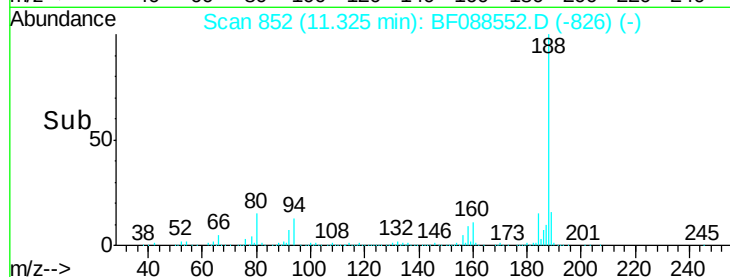
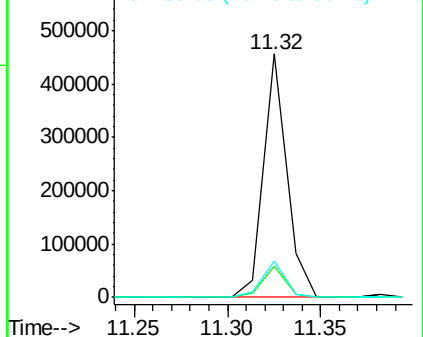
80 14.8 10.0 15.0



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: 4.90 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.24 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

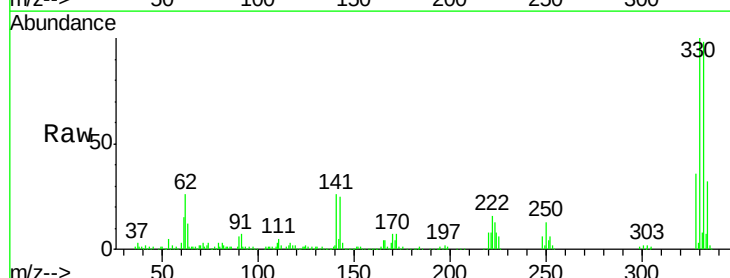
Tgt Ion:248 Resp: 19425

Ion Ratio Lower Upper

248 100

250 201.3 77.1 115.7#

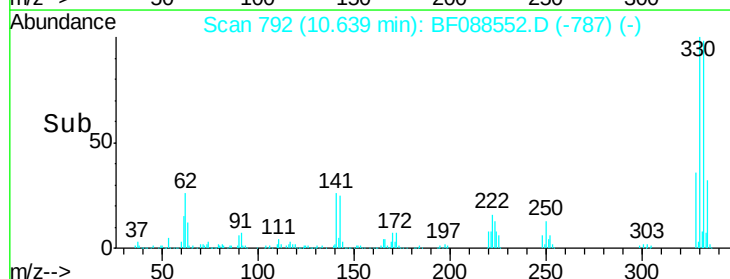
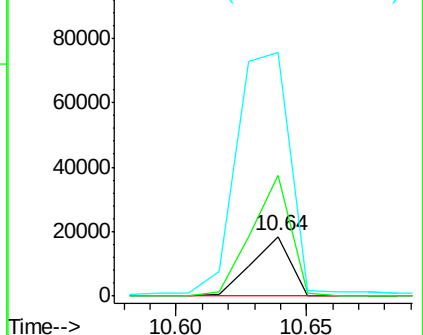
141 406.8 50.6 76.0#

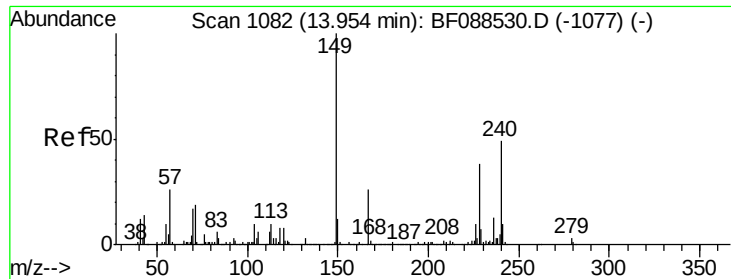


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.95 min Scan# 1082

Delta R.T. 0.00 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

Instrument :

BNA\_F

ClientSampleId :

B1409-TP-DUP01-0616

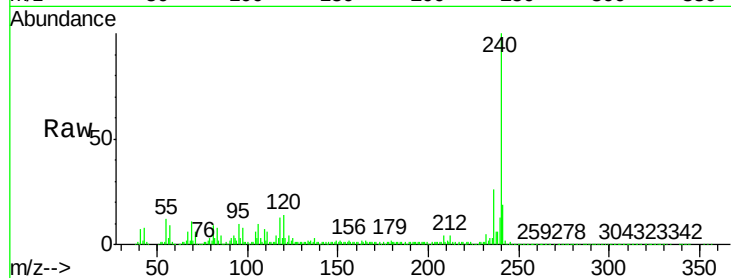
Tgt Ion:240 Resp: 256943

Ion Ratio Lower Upper

240 100

120 14.2 6.8 10.2#

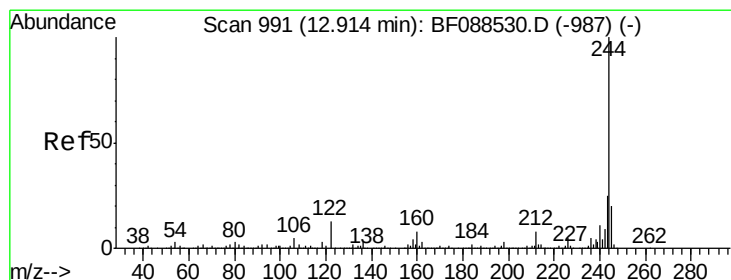
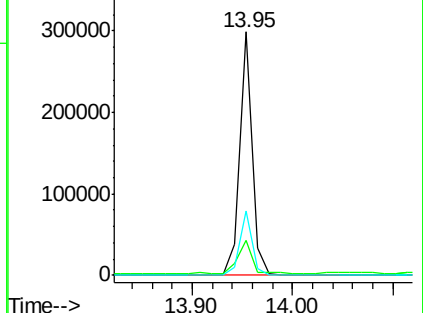
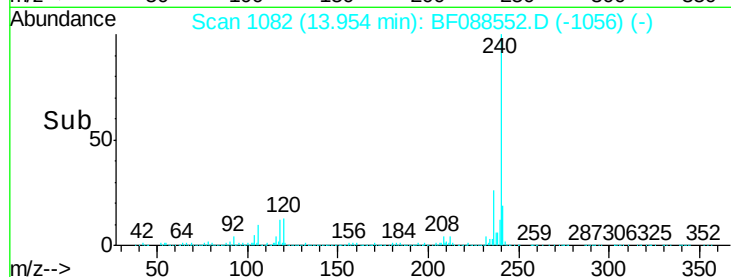
236 26.3 20.2 30.2



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: 67.14 ng

RT: 12.91 min Scan# 991

Delta R.T. 0.00 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

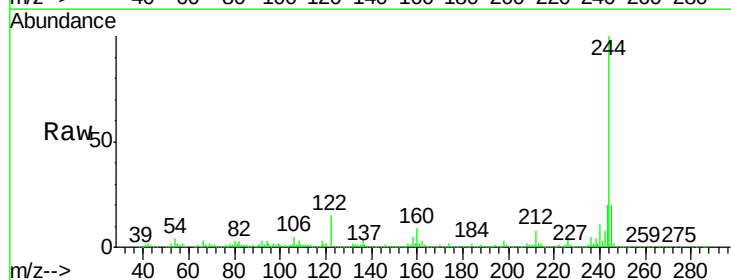
Tgt Ion:244 Resp: 774466

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

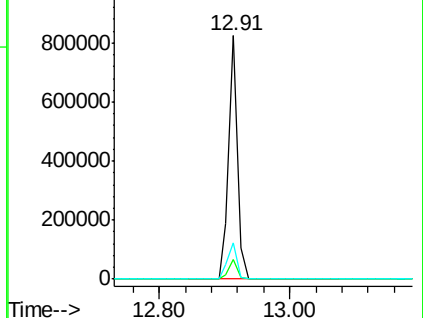
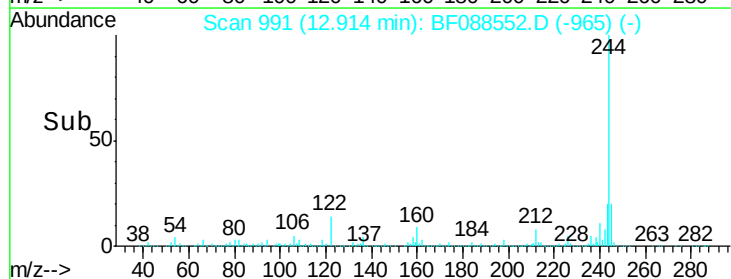
122 14.6 11.2 16.8

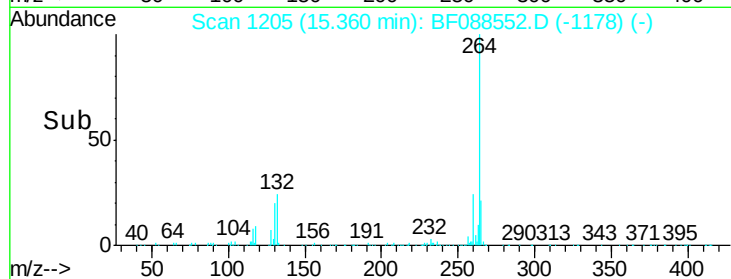
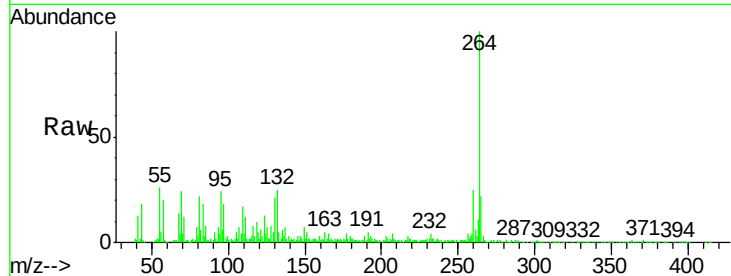
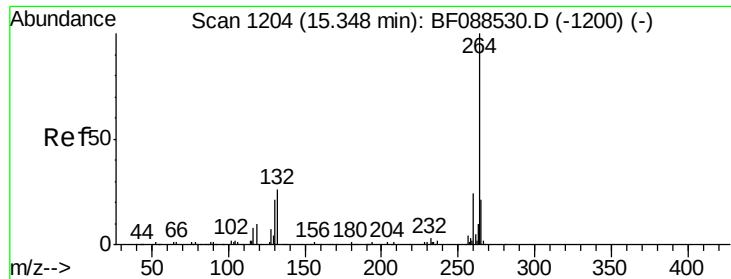


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.36 min Scan# 1205  
Delta R.T. 0.01 min  
Lab File: BF088552.D  
Acq: 1 Jul 2016 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
B1409-TP-DUP01-0616

Tgt Ion: 264 Resp: 261685  
Ion Ratio Lower Upper  
264 100  
260 24.6 19.2 28.8  
265 21.8 16.9 25.3

