

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070916\  
 Data File : BF088867.D  
 Acq On : 9 Jul 2016 13:15  
 Operator : UM/SJ  
 Sample : H3813-26  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-WW002-01

Quant Time: Jul 11 04:33:34 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 08 18:51:20 2016  
 Response via : Initial Calibration

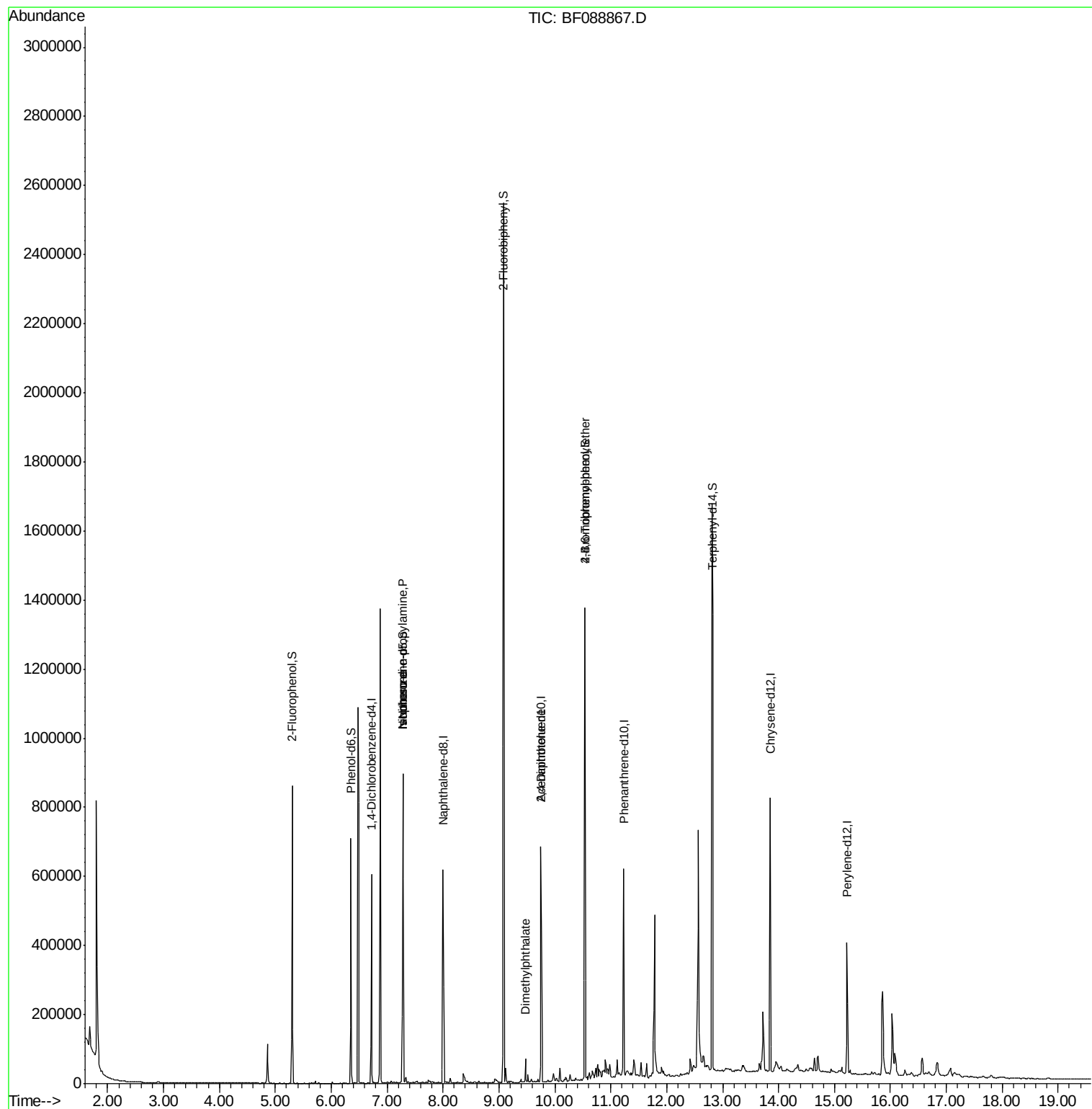
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 81755    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.00  | 136  | 308503   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.75  | 164  | 153476   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.23 | 188  | 320201   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.85 | 240  | 241009   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.22 | 264  | 171460   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.30  | 112  | 228975   | 41.97  | ng    | -0.02    |
| 7) Phenol-d6                   | 6.35  | 99   | 230359   | 32.68  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 410484   | 69.73  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.54 | 330  | 159944   | 112.23 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 814311   | 83.81  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.82 | 244  | 721373   | 66.67  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 53708    | 11.34  | ng    | # 73     |
| 25) Isophorone                 | 7.28  | 82   | 363275   | 33.31  | ng    | # 65     |
| 49) Dimethylphthalate          | 9.47  | 163  | 23749    | 2.17   | ng    | 96       |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 19666    | 6.21   | ng    | # 38     |
| 66) 4-Bromophenyl-phenylether  | 10.54 | 248  | 10255    | 3.18   | ng    | # 1      |

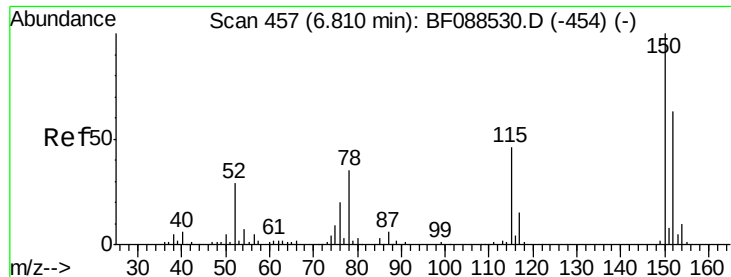
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF088867.D

Acq: 9 Jul 2016 13:15

Instrument :

BNA\_F

ClientSampleId :

P001-WW002-01

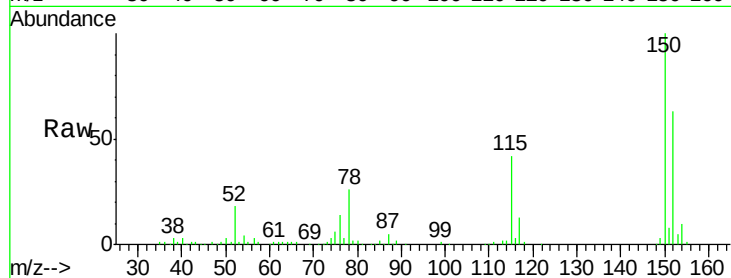
Tgt Ion:152 Resp: 81755

Ion Ratio Lower Upper

152 100

150 158.5 123.8 185.6

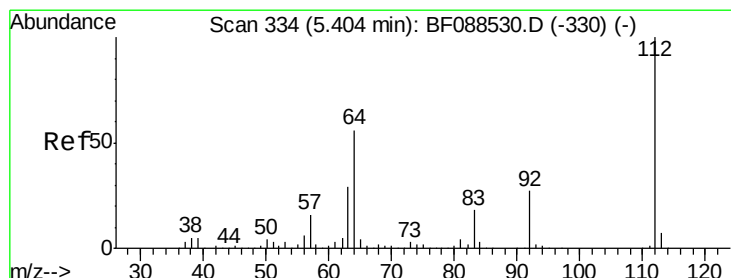
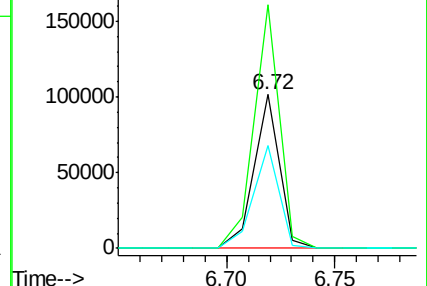
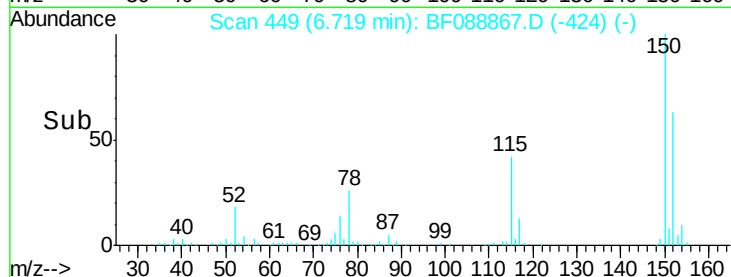
115 66.8 39.6 59.4#



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: 41.97 ng

RT: 5.30 min Scan# 325

Delta R.T. -0.02 min

Lab File: BF088867.D

Acq: 9 Jul 2016 13:15

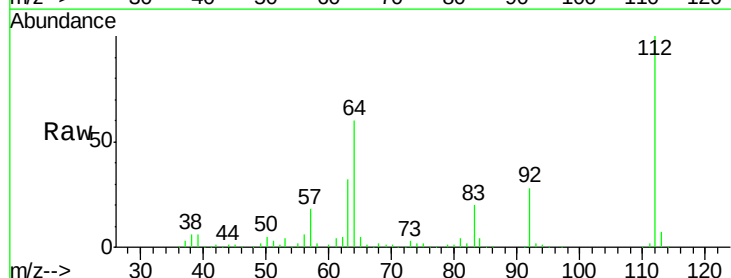
Tgt Ion:112 Resp: 228975

Ion Ratio Lower Upper

112 100

64 60.3 42.2 63.2

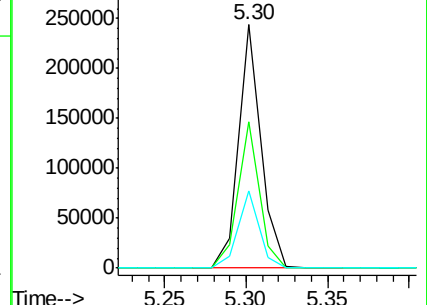
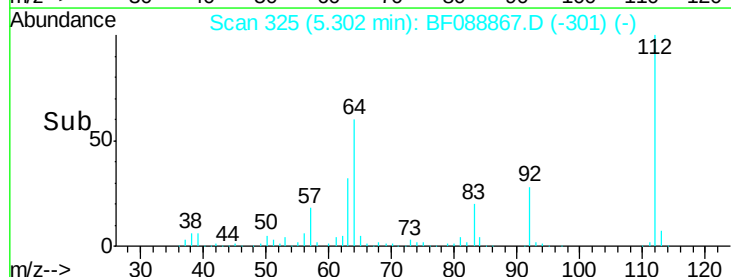
63 31.7 21.8 32.8

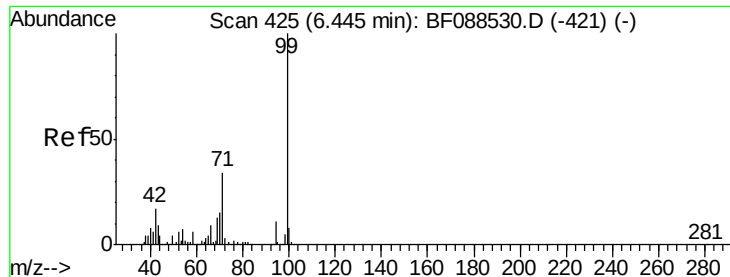


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.68 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF088867.D

Acq: 9 Jul 2016 13:15

Instrument :

BNA\_F

ClientSampleId :

P001-WW002-01

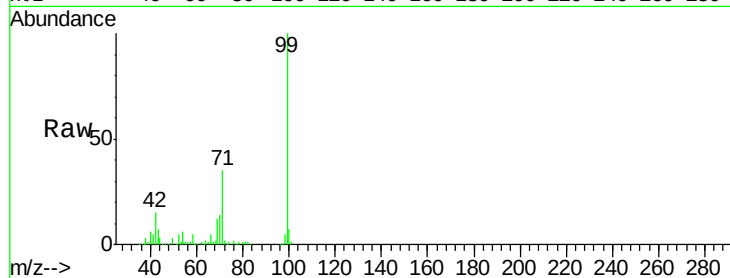
Tgt Ion: 99 Resp: 230359

Ion Ratio Lower Upper

99 100

42 15.1 12.2 18.2

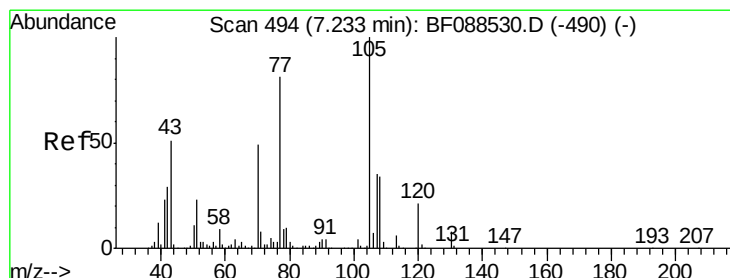
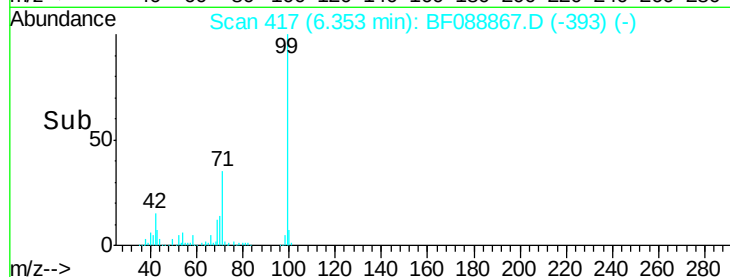
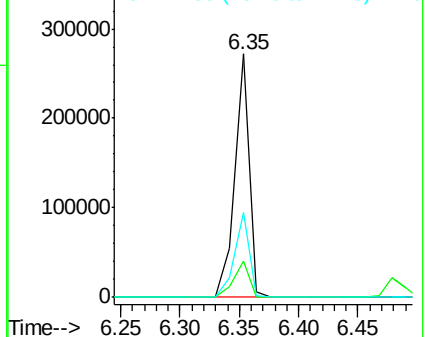
71 34.9 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.34 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.11 min

Lab File: BF088867.D

Acq: 9 Jul 2016 13:15

Tgt Ion: 70 Resp: 53708

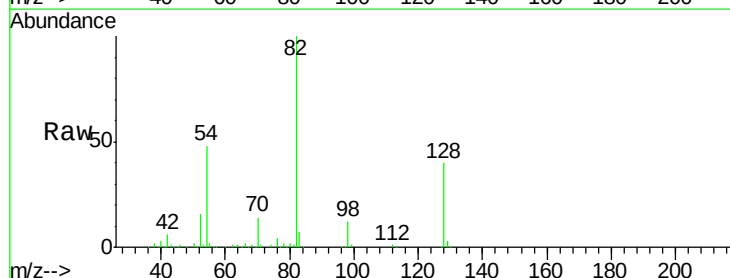
Ion Ratio Lower Upper

70 100

42 43.2 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#

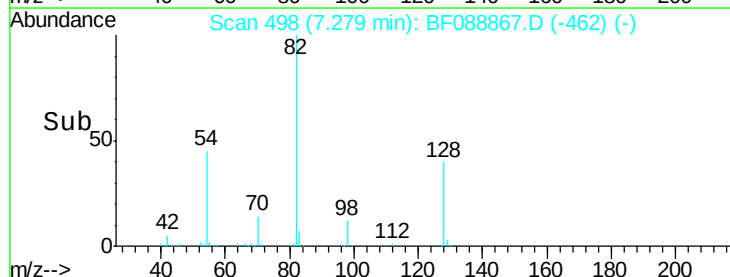
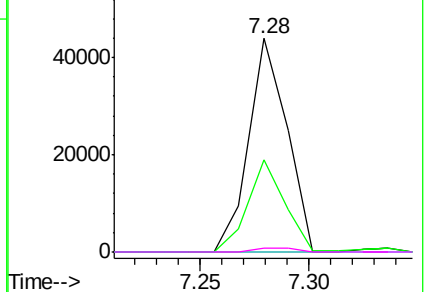


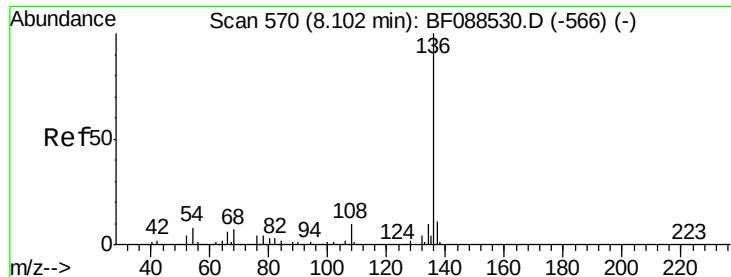
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. -0.02 min

Lab File: BF088867.D

Acq: 9 Jul 2016 13:15

Instrument :

BNA\_F

ClientSampleId :

P001-WW002-01

Tgt Ion:136 Resp: 308503

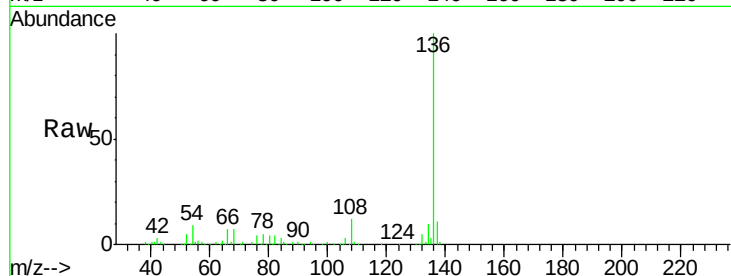
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.0 6.6 10.0

68 7.0 5.1 7.7

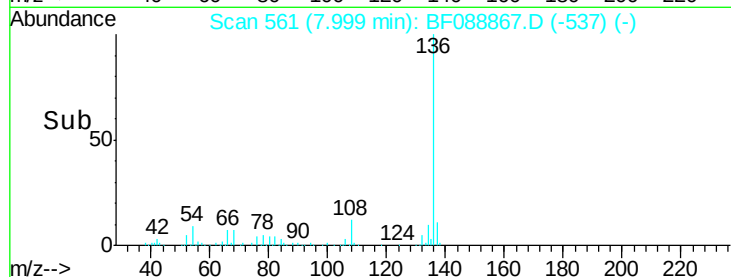


Abundance Ion 136.00 (135.70 to 136.70): E

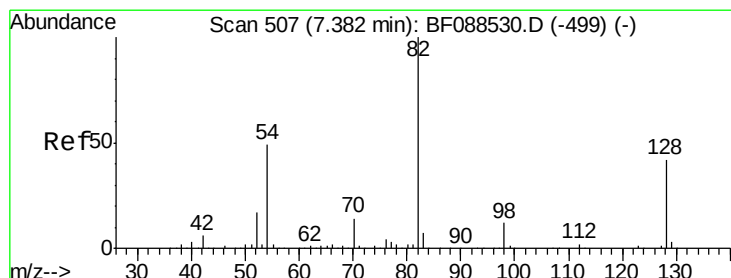
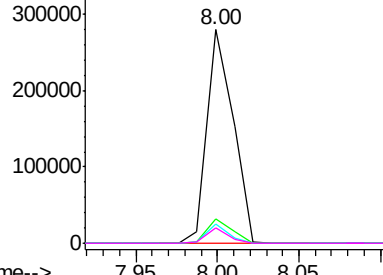
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 69.73 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.02 min

Lab File: BF088867.D

Acq: 9 Jul 2016 13:15

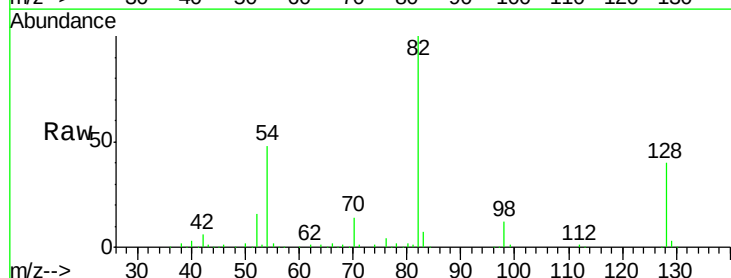
Tgt Ion: 82 Resp: 410484

Ion Ratio Lower Upper

82 100

128 40.4 35.9 53.9

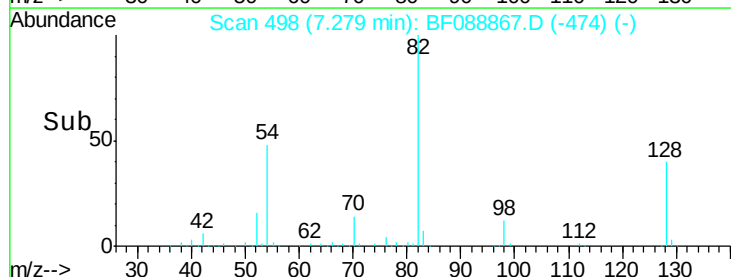
54 47.9 40.9 61.3



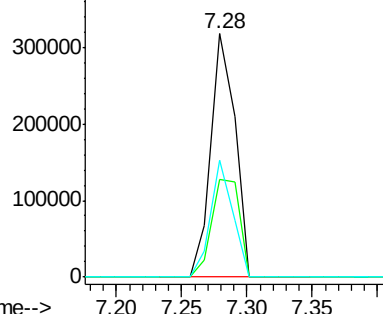
Abundance Ion 82.00 (81.70 to 82.70): BF0

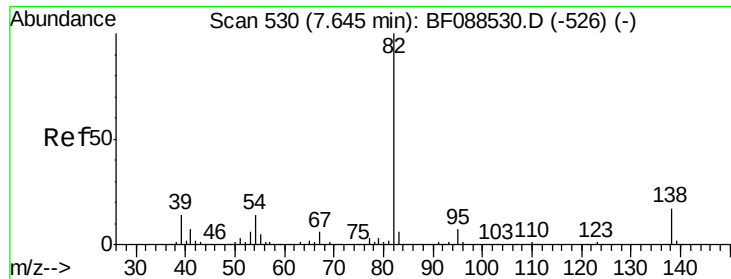
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 33.31 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.29 min

Lab File: BF088867.D

Acq: 9 Jul 2016 13:15

Instrument :

BNA\_F

ClientSampleId :

P001-WW002-01

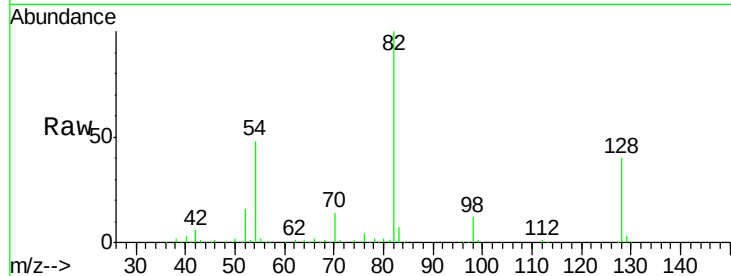
Tgt Ion: 82 Resp: 363275

Ion Ratio Lower Upper

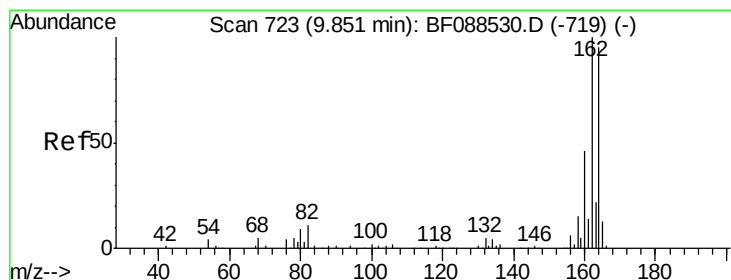
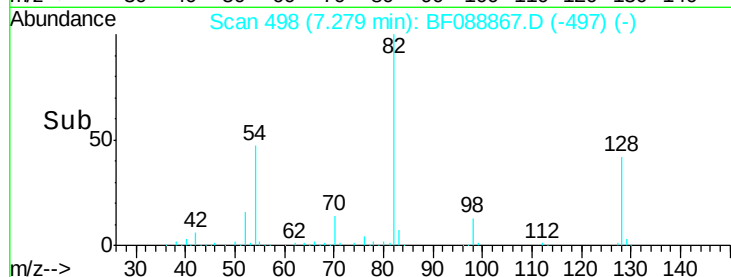
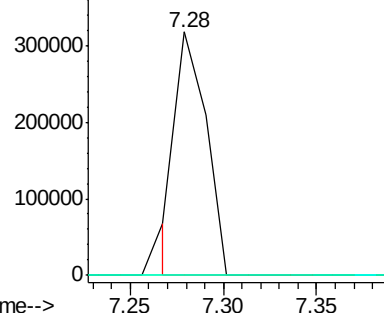
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



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: 9.75 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF088867.D

Acq: 9 Jul 2016 13:15

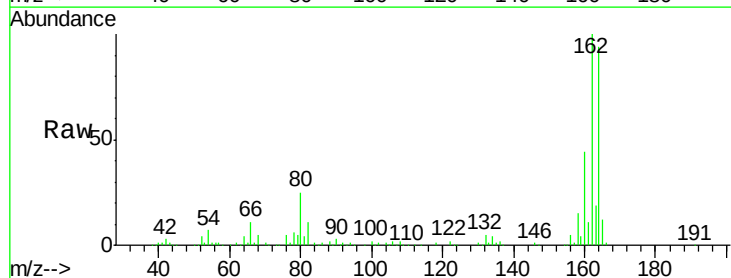
Tgt Ion:164 Resp: 153476

Ion Ratio Lower Upper

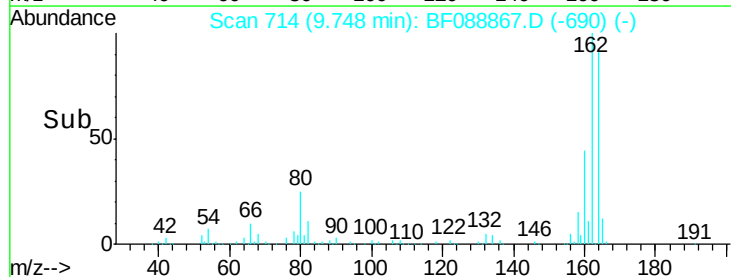
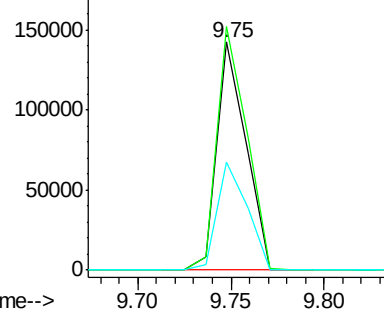
164 100

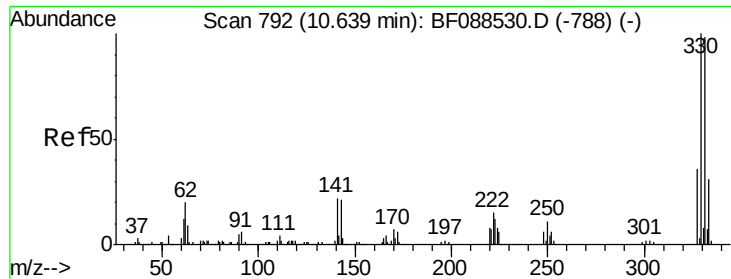
162 106.7 85.4 128.2

160 47.4 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

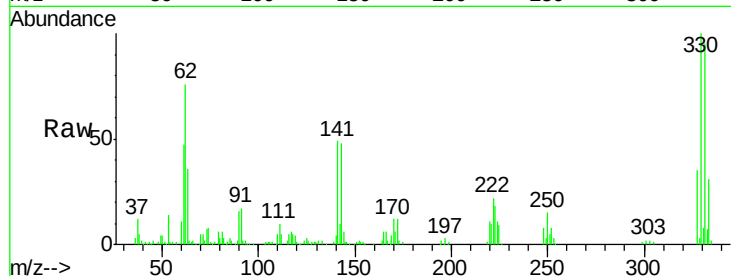




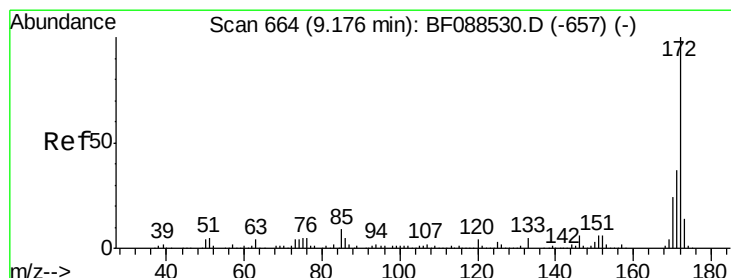
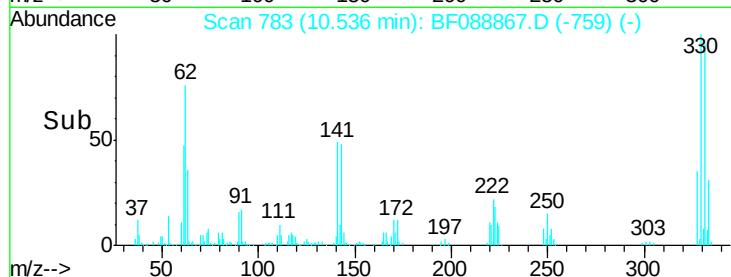
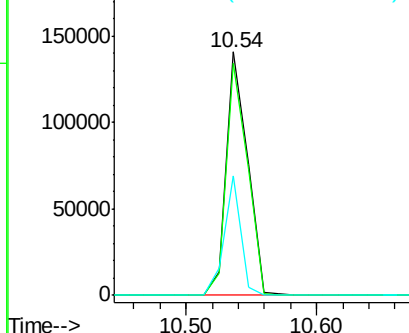
#41  
 2,4,6-Tribromophenol  
 Concen: 112.23 ng  
 RT: 10.54 min Scan# 783  
 Delta R.T. -0.02 min  
 Lab File: BF088867.D  
 Acq: 9 Jul 2016 13:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-WW002-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 0.0   | 0.0#  |
| 141     | 38.8  | 0.0   | 0.0#  |

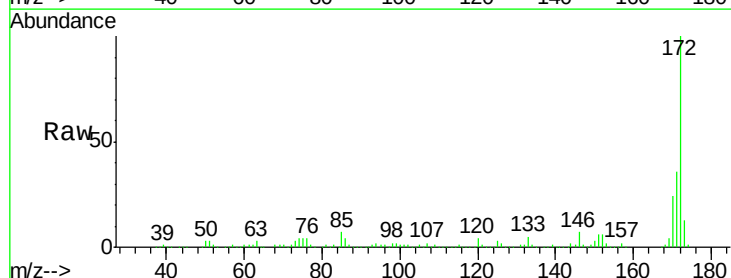


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

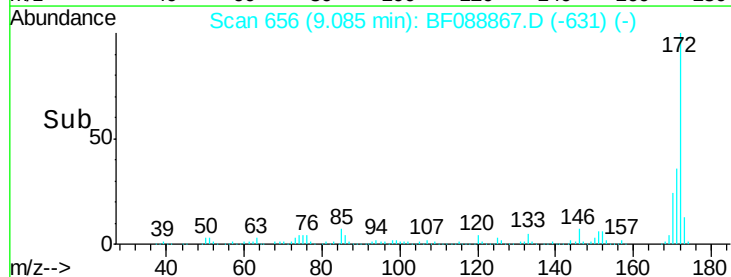
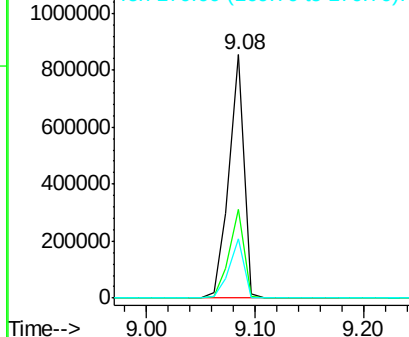


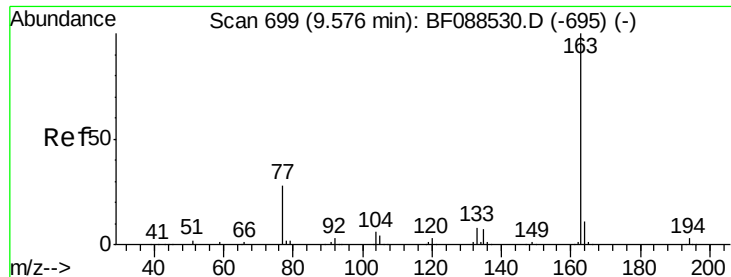
#44  
 2-Fluorobiphenyl  
 Concen: 83.81 ng  
 RT: 9.08 min Scan# 656  
 Delta R.T. -0.01 min  
 Lab File: BF088867.D  
 Acq: 9 Jul 2016 13:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 28.6  | 43.0  |
| 170     | 24.3  | 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

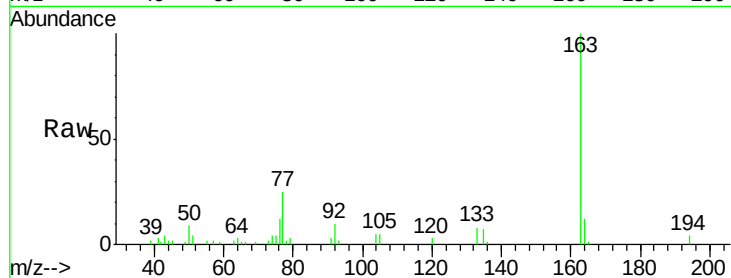




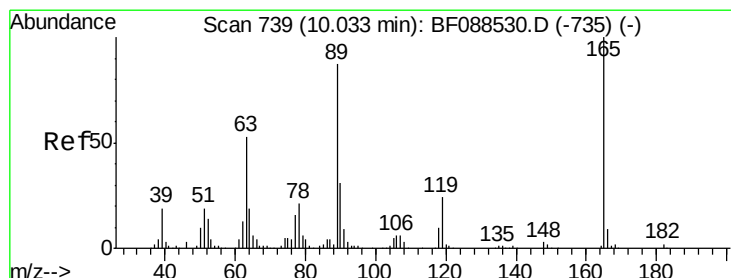
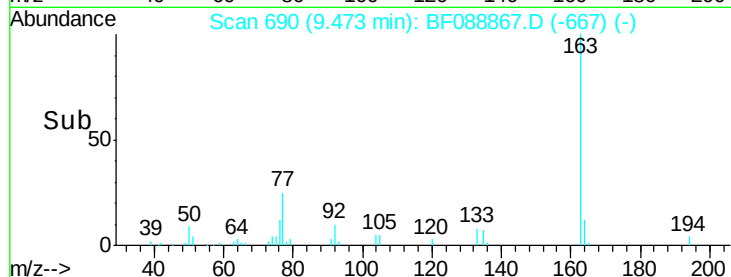
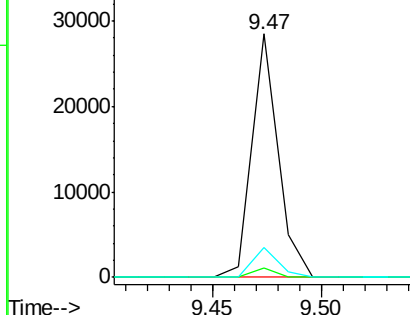
#49  
Dimethylphthalate  
Concen: 2.17 ng  
RT: 9.47 min Scan# 690  
Delta R.T. -0.03 min  
Lab File: BF088867.D  
Acq: 9 Jul 2016 13:15

Instrument :  
BNA\_F  
ClientSampleId :  
P001-WW002-01

Tgt Ion:163 Resp: 23749  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.8 4.2  
164 12.3 8.3 12.5

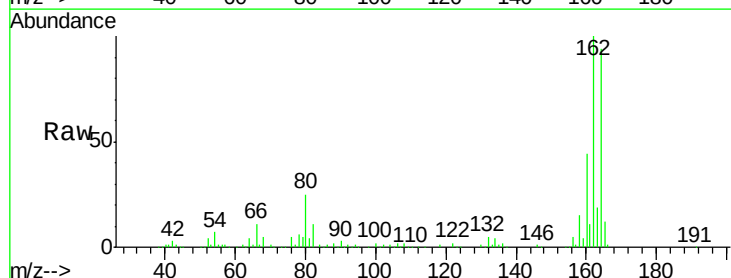


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

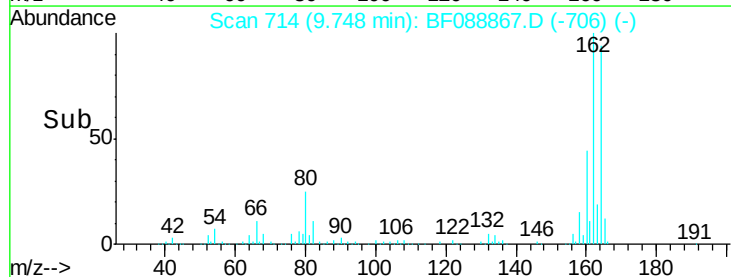
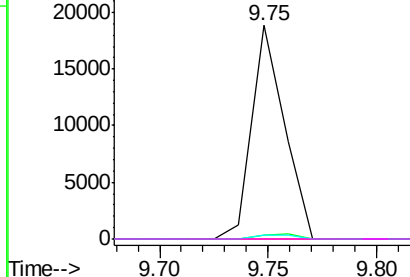


#56  
2,4-Dinitrotoluene  
Concen: 6.21 ng  
RT: 9.75 min Scan# 714  
Delta R.T. -0.21 min  
Lab File: BF088867.D  
Acq: 9 Jul 2016 13:15

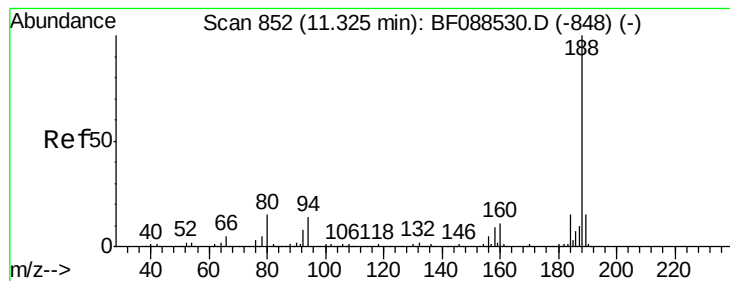
Tgt Ion:165 Resp: 19666  
Ion Ratio Lower Upper  
165 100  
63 2.1 22.0 33.0#  
89 1.7 41.1 61.7#  
182 0.0 2.0 3.0#



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: 11.23 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF088867.D

Acq: 9 Jul 2016 13:15

Instrument :

BNA\_F

ClientSampleId :

P001-WW002-01

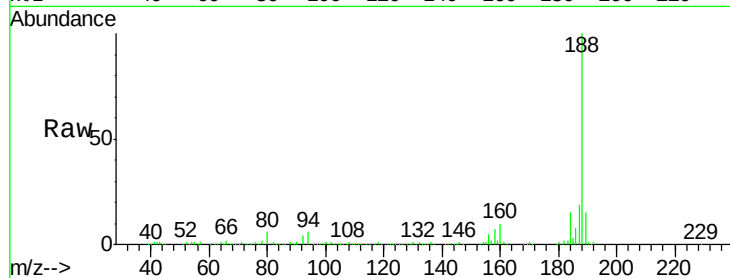
Tgt Ion:188 Resp: 320201

Ion Ratio Lower Upper

188 100

94 5.9 9.0 13.6#

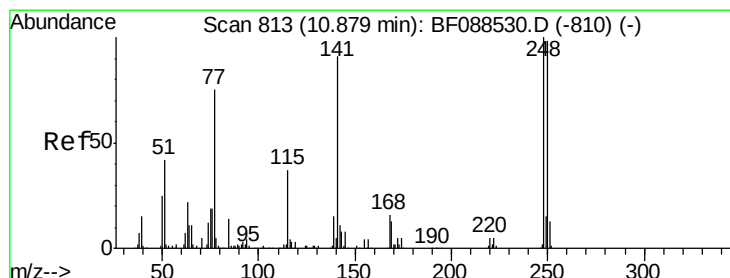
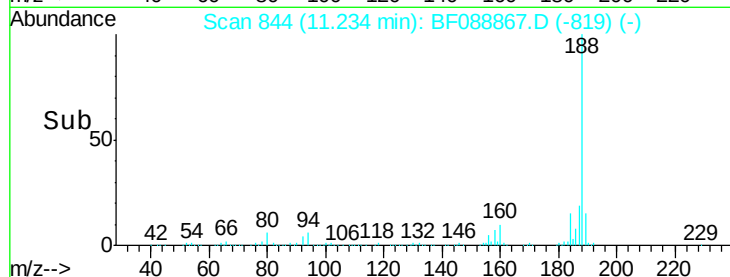
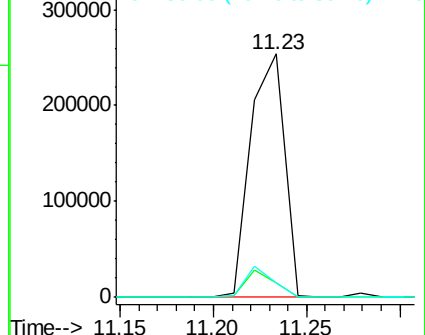
80 6.2 10.0 15.0#



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: 3.18 ng

RT: 10.54 min Scan# 783

Delta R.T. -0.26 min

Lab File: BF088867.D

Acq: 9 Jul 2016 13:15

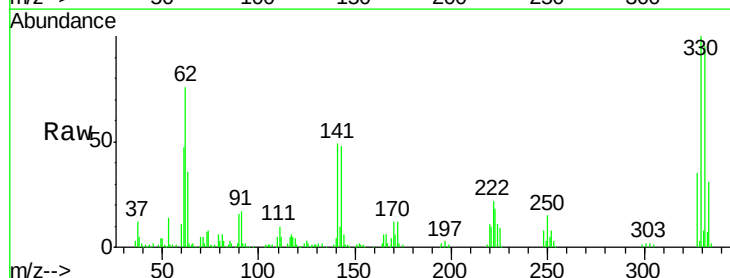
Tgt Ion:248 Resp: 10255

Ion Ratio Lower Upper

248 100

250 194.0 77.1 115.7#

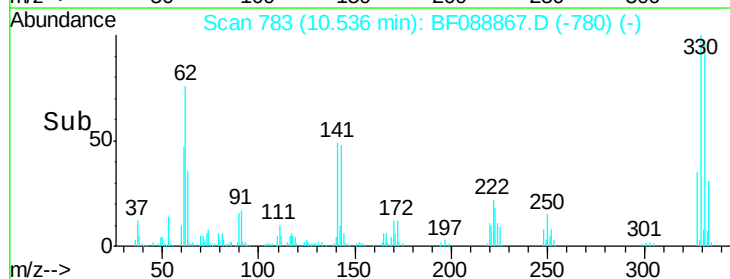
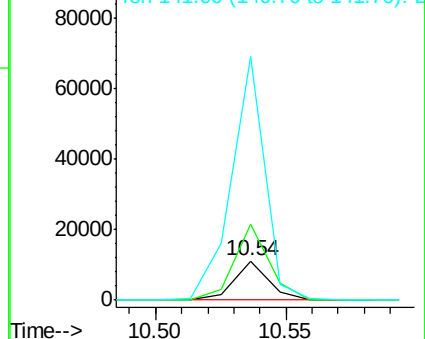
141 618.0 50.6 76.0#

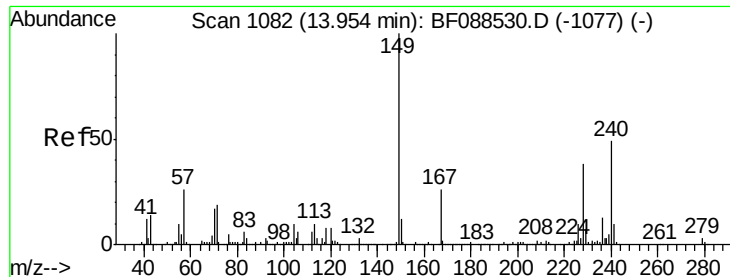


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.85 min Scan# 1073

Delta R.T. -0.02 min

Lab File: BF088867.D

Acq: 9 Jul 2016 13:15

Instrument :

BNA\_F

ClientSampleId :

P001-WW002-01

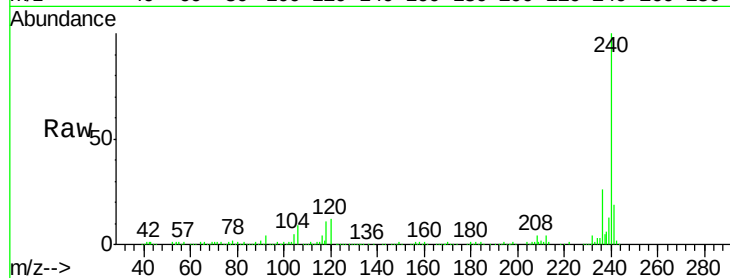
Tgt Ion:240 Resp: 241009

Ion Ratio Lower Upper

240 100

120 12.4 6.8 10.2#

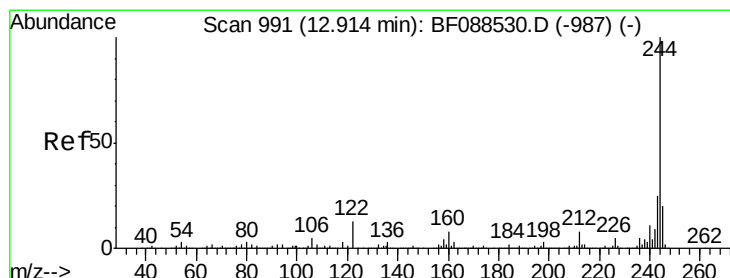
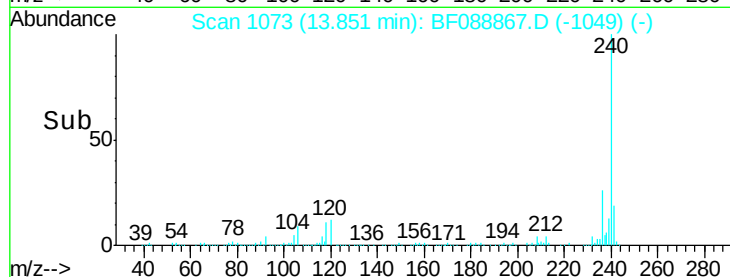
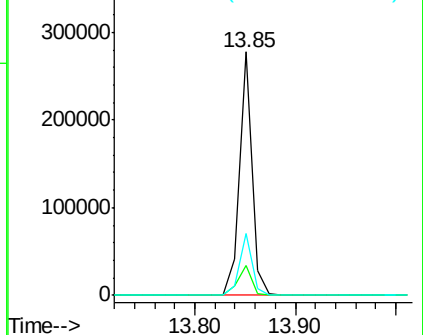
236 25.6 20.2 30.2



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: 66.67 ng

RT: 12.82 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF088867.D

Acq: 9 Jul 2016 13:15

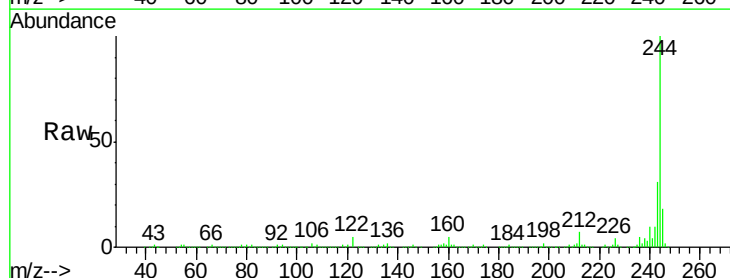
Tgt Ion:244 Resp: 721373

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

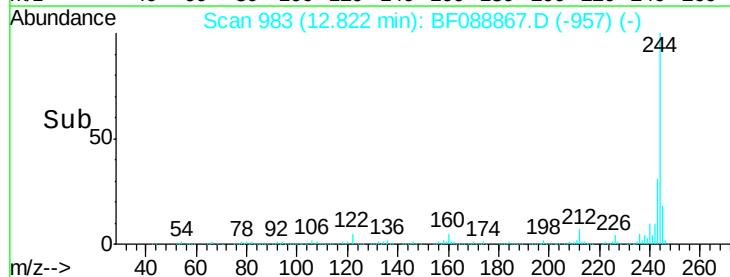
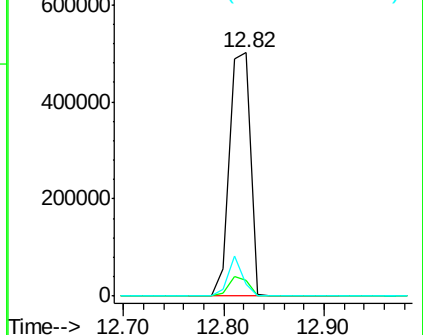
122 5.1 11.2 16.8#

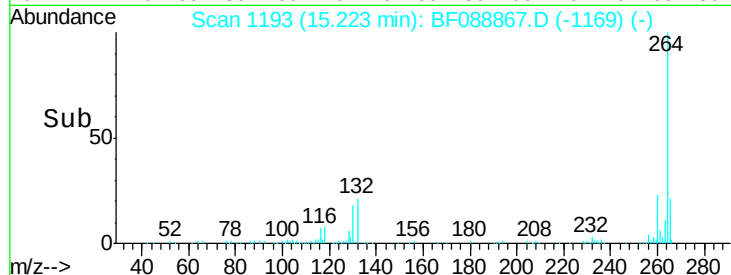
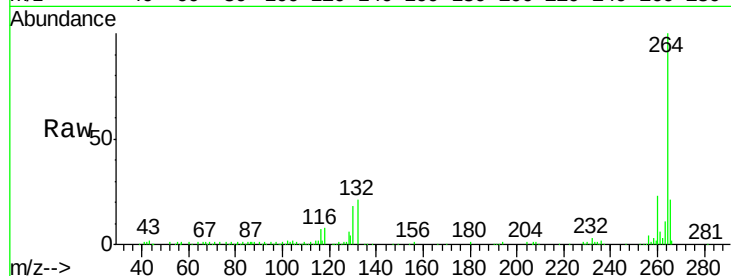
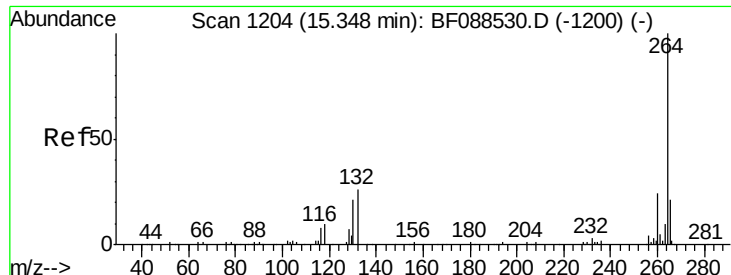


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.22 min Scan# 1193  
Delta R.T. -0.02 min  
Lab File: BF088867.D  
Acq: 9 Jul 2016 13:15

Instrument :  
BNA\_F  
ClientSampleId :  
P001-WW002-01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 171460 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.3  | 19.2  | 28.8   |
| 265      | 21.3  | 16.9  | 25.3   |

