

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\  
 Data File : BF089458.D  
 Acq On : 30 Jul 2016 17:45  
 Operator : UM/SJ  
 Sample : H4284-09  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 01 01:10:08 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 28 16:02:32 2016  
 Response via : Initial Calibration

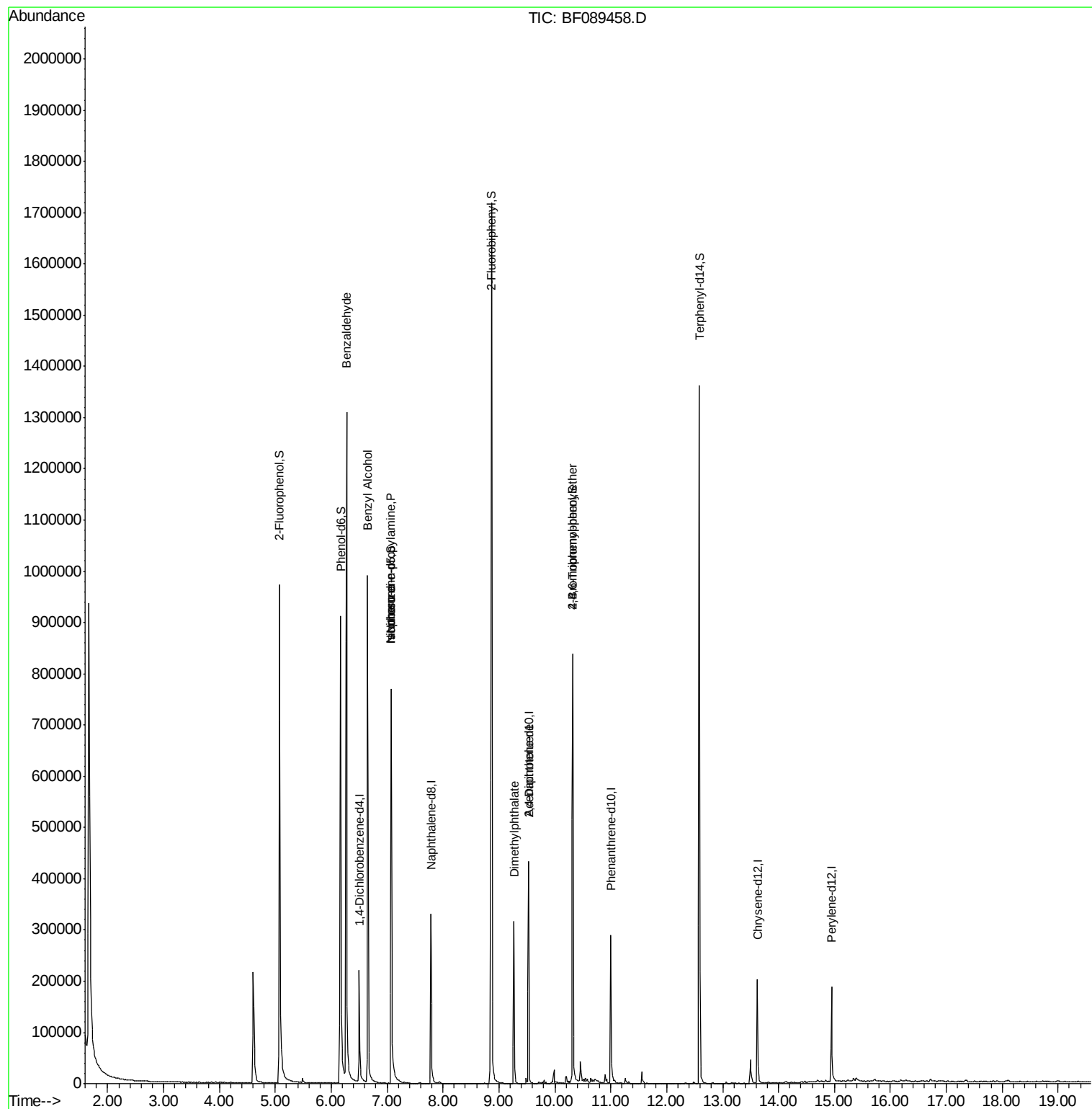
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.50  | 152  | 46189    | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8             | 7.78  | 136  | 204208   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10           | 9.53  | 164  | 99890    | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10           | 11.00 | 188  | 184930   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12               | 13.62 | 240  | 113685   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12               | 14.95 | 264  | 84570    | 20.00  | ng    | -0.06    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.07  | 112  | 431399   | 149.13 | ng    | -0.03    |
| 7) Phenol-d6                   | 6.17  | 99   | 595903   | 155.88 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.07  | 82   | 360127   | 104.09 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol       | 10.32 | 330  | 119430   | 144.36 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 8.87  | 172  | 612807   | 90.03  | ng    | -0.05    |
| 78) Terphenyl-d14              | 12.58 | 244  | 425754   | 87.65  | ng    | -0.05    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.27  | 77   | 11287    | 6.05   | ng    | 84       |
| 15) Benzyl Alcohol             | 6.65  | 79   | 5373     | 2.26   | ng    | # 50     |
| 19) n-Nitroso-di-n-propylamine | 7.07  | 70   | 47712    | 20.70  | ng    | # 81     |
| 25) Isophorone                 | 7.07  | 82   | 309634   | 44.43  | ng    | # 67     |
| 49) Dimethylphthalate          | 9.27  | 163  | 139416   | 18.34  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.53  | 165  | 12171    | 5.92   | ng    | # 7      |
| 66) 4-Bromophenyl-phenylether  | 10.32 | 248  | 8764     | 4.96   | ng    | # 1      |

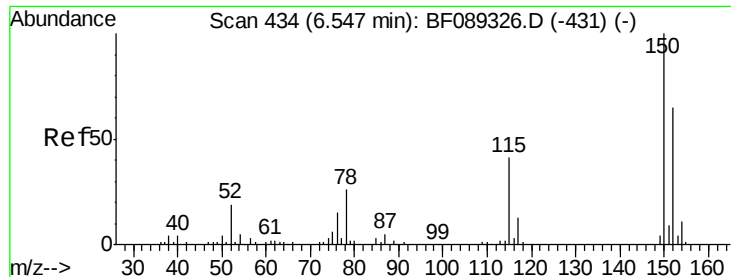
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.05 min

Lab File: BF089458.D

Acq: 30 Jul 2016 17:45

Instrument :

BNA\_F

ClientSampleId :

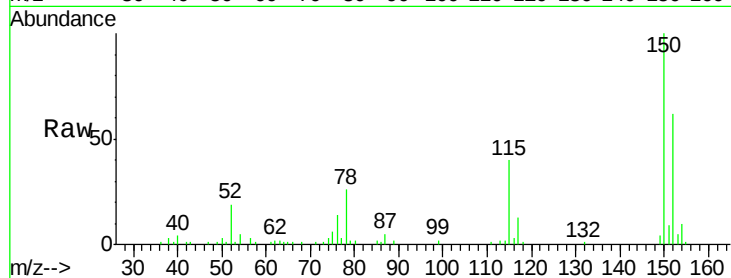
Tot Ion:152 Resp: 46189

Ion Ratio Lower Upper

152 100

150 160.2 129.5 194.3

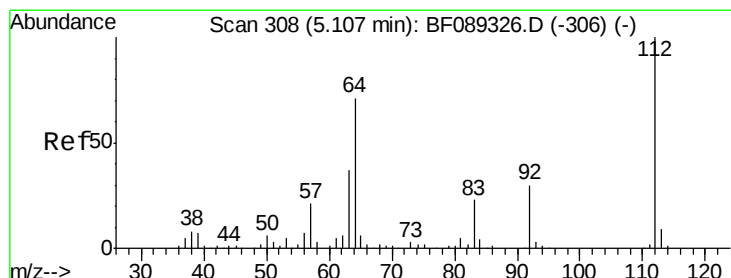
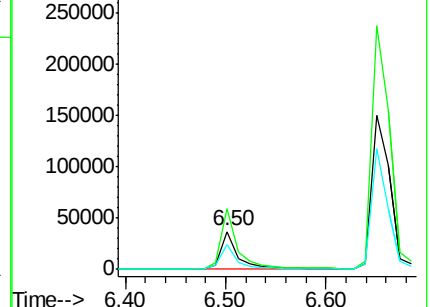
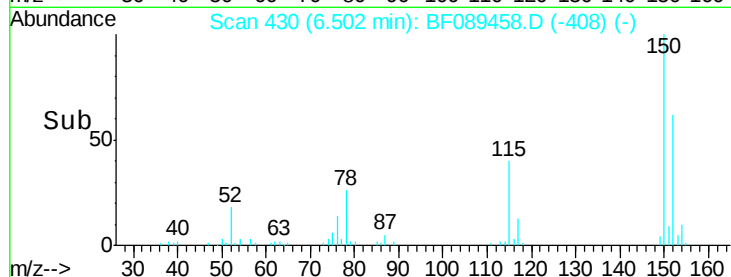
115 64.6 51.4 77.2



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: 149.13 ng

RT: 5.07 min Scan# 305

Delta R.T. -0.03 min

Lab File: BF089458.D

Acq: 30 Jul 2016 17:45

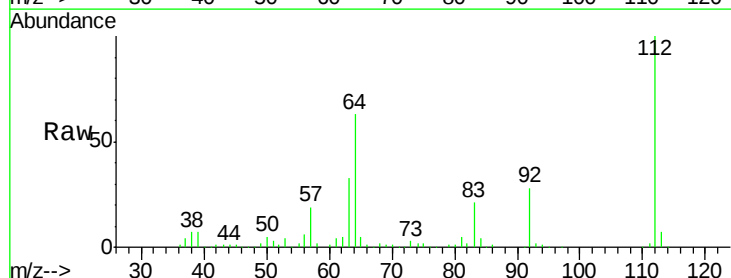
Tgt Ion:112 Resp: 431399

Ion Ratio Lower Upper

112 100

64 62.8 55.0 82.6

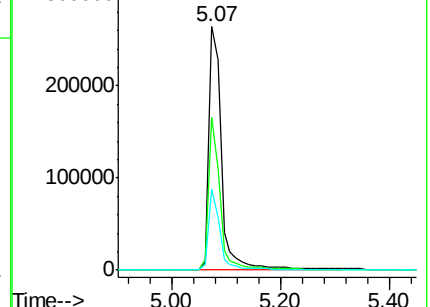
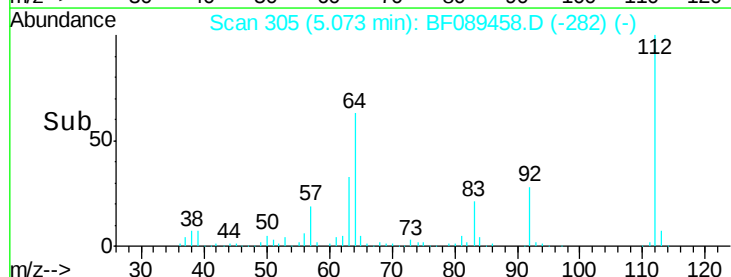
63 33.5 29.4 44.2



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: 155.88 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.03 min

Lab File: BF089458.D

Acq: 30 Jul 2016 17:45

Instrument :

BNA\_F

ClientSampled :

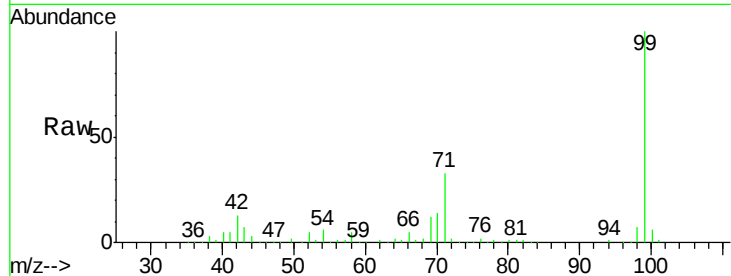
Tot Ion: 99 Resp: 595903

Ion Ratio Lower Upper

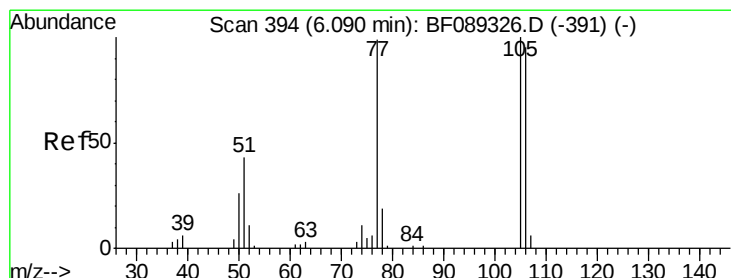
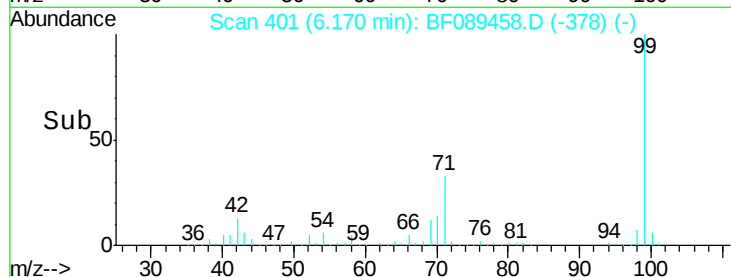
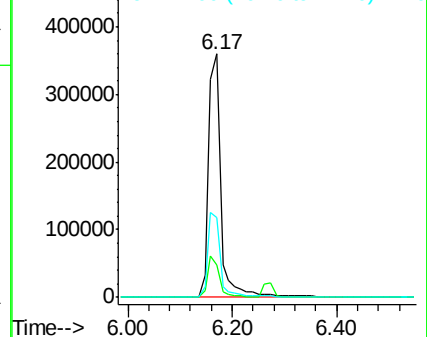
99 100

42 13.5 13.6 20.4#

71 32.7 29.4 44.2



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: 6.05 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.18 min

Lab File: BF089458.D

Acq: 30 Jul 2016 17:45

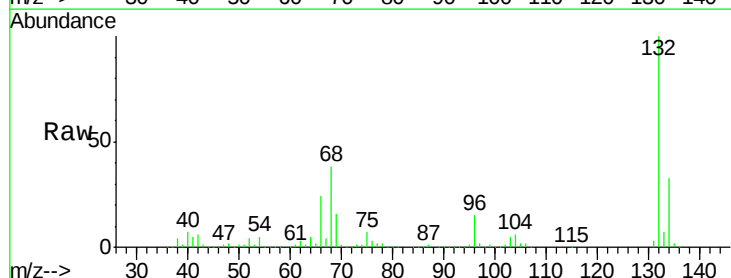
Tgt Ion: 77 Resp: 11287

Ion Ratio Lower Upper

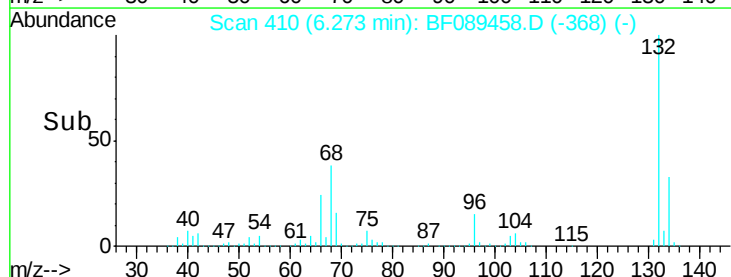
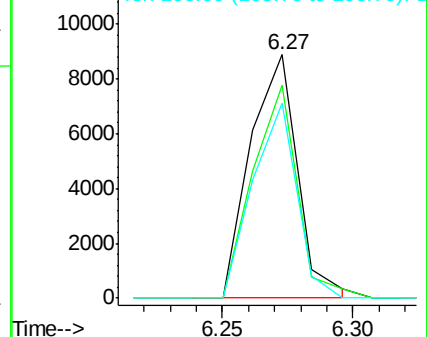
77 100

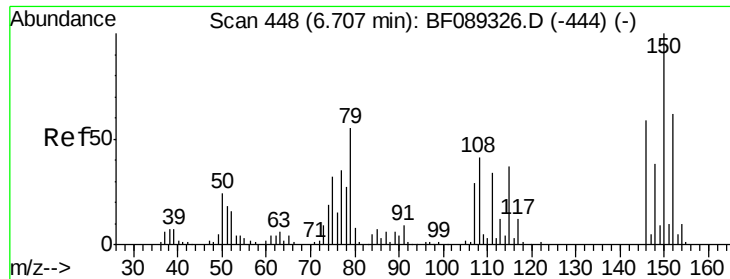
105 87.5 82.9 122.9

106 80.2 75.9 115.9



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 105.00 (104.70 to 105.70): BF0  
Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 2.26 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.06 min

Lab File: BF089458.D

Acq: 30 Jul 2016 17:45

Instrument :

BNA\_F

ClientSampled :

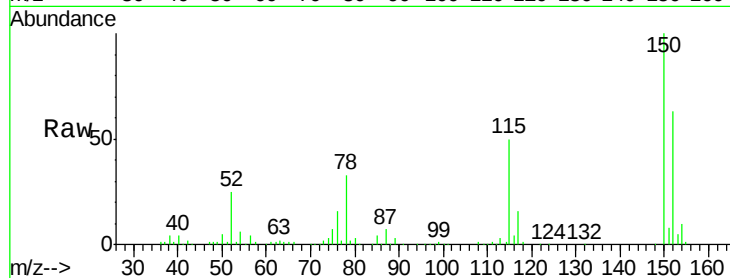
Tot Ion: 79 Resp: 5373

Ion Ratio Lower Upper

79 100

108 31.2 59.8 89.6#

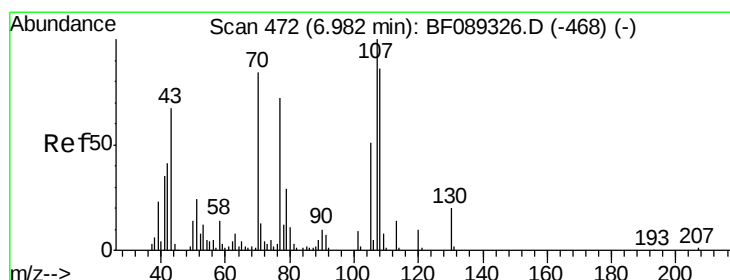
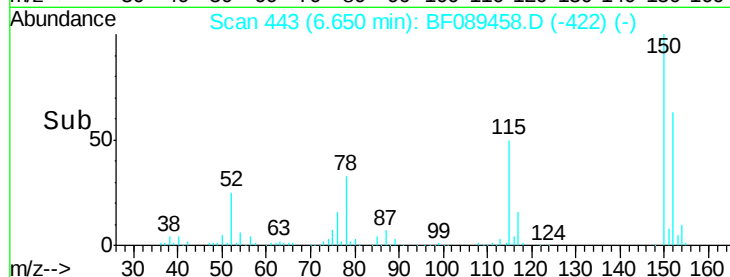
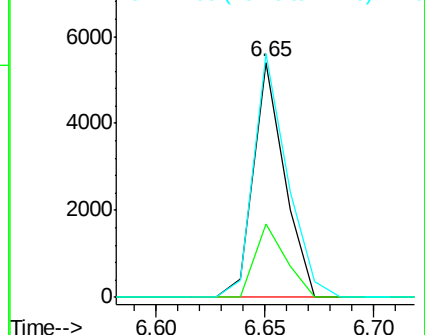
77 103.6 51.7 77.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 20.70 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.09 min

Lab File: BF089458.D

Acq: 30 Jul 2016 17:45

Tgt Ion: 70 Resp: 47712

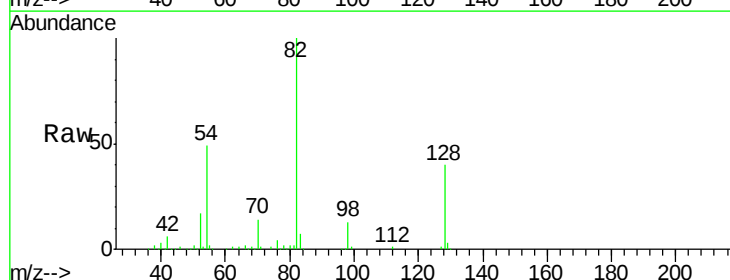
Ion Ratio Lower Upper

70 100

42 45.1 38.6 57.8

101 0.0 8.3 12.5#

130 1.7 19.0 28.4#

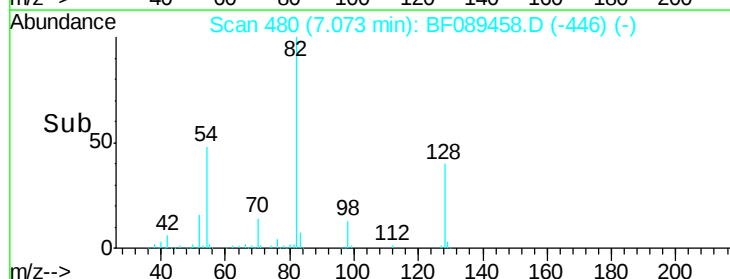
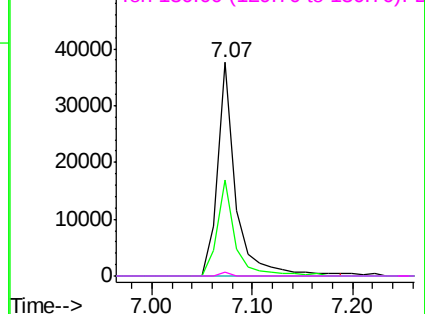


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.78 min Scan# 542

Delta R.T. -0.05 min

Lab File: BF089458.D

Acq: 30 Jul 2016 17:45

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 204208

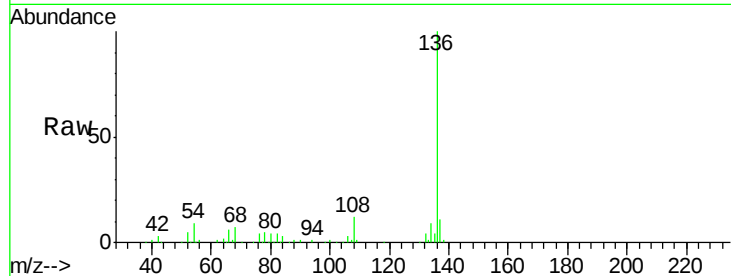
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.8 7.0 10.4

68 6.7 4.9 7.3

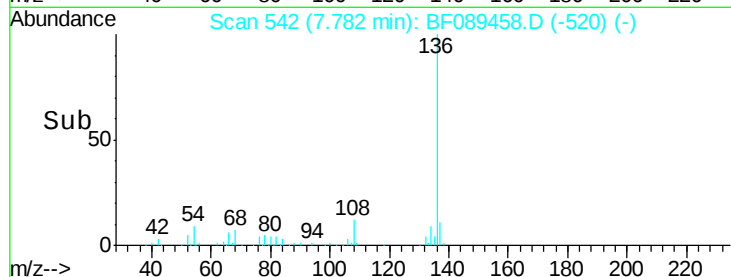


Abundance Ion 136.00 (135.70 to 136.70): E

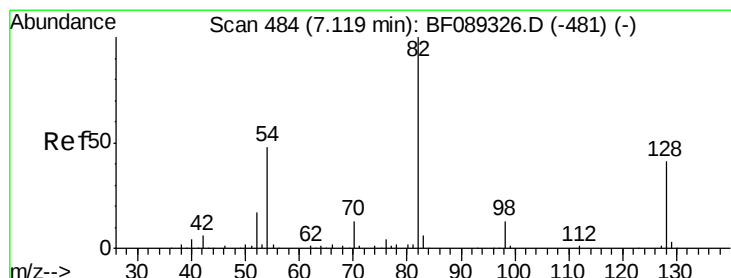
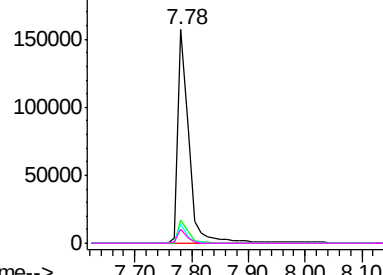
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 104.09 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.05 min

Lab File: BF089458.D

Acq: 30 Jul 2016 17:45

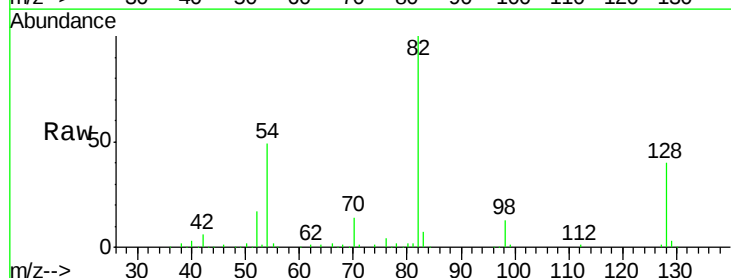
Tgt Ion: 82 Resp: 360127

Ion Ratio Lower Upper

82 100

128 40.2 32.5 48.7

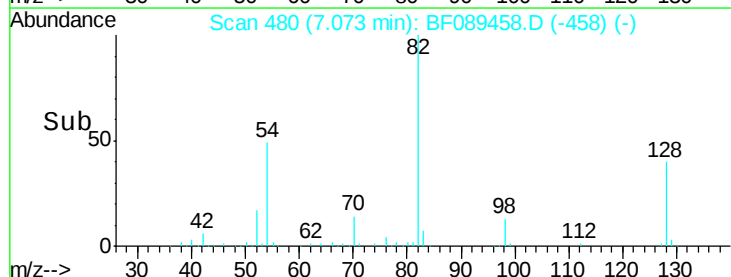
54 48.7 38.8 58.2



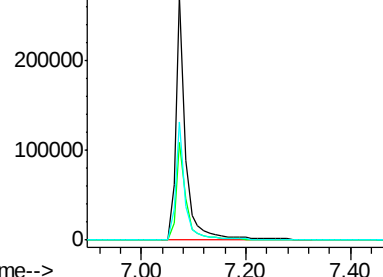
Abundance Ion 82.00 (81.70 to 82.70): BF0

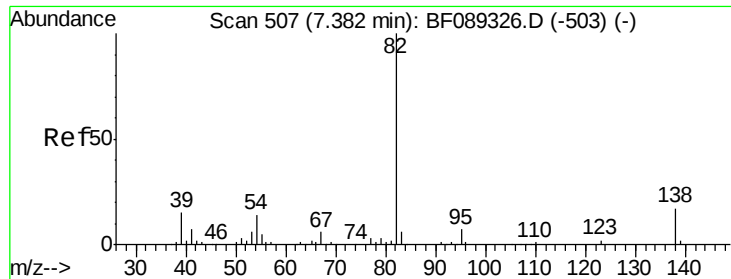
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 44.43 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.31 min

Lab File: BF089458.D

Acq: 30 Jul 2016 17:45

Instrument :

BNA\_F

ClientSampleId :

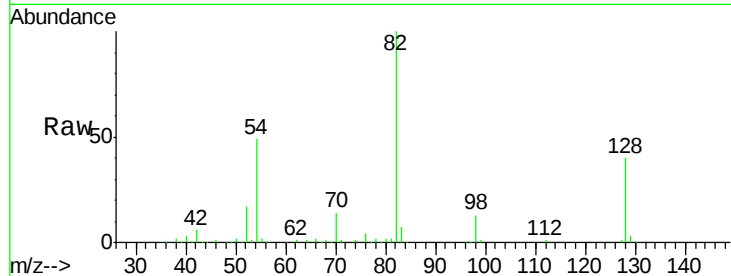
Tot Ion: 82 Resp: 309634

Ion Ratio Lower Upper

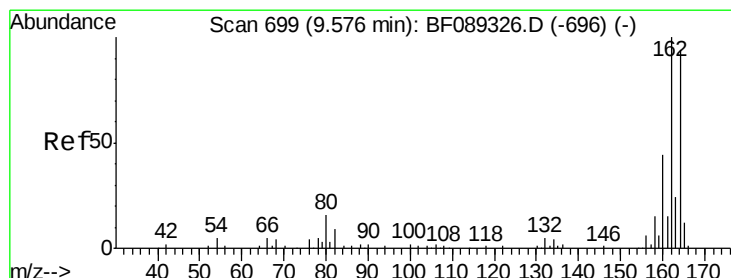
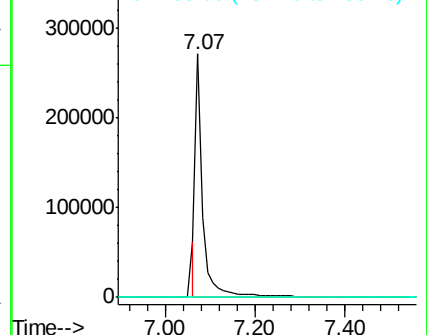
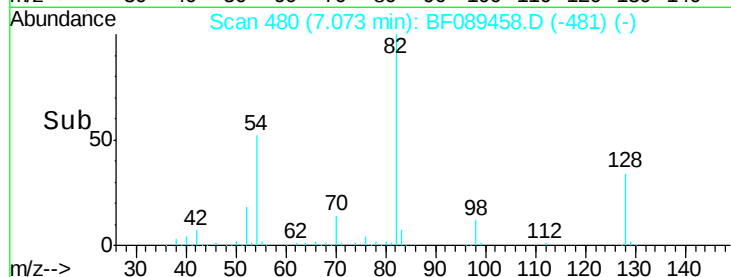
82 100

95 0.0 6.0 9.0#

138 0.0 13.3 19.9#



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: 9.53 min Scan# 695

Delta R.T. -0.05 min

Lab File: BF089458.D

Acq: 30 Jul 2016 17:45

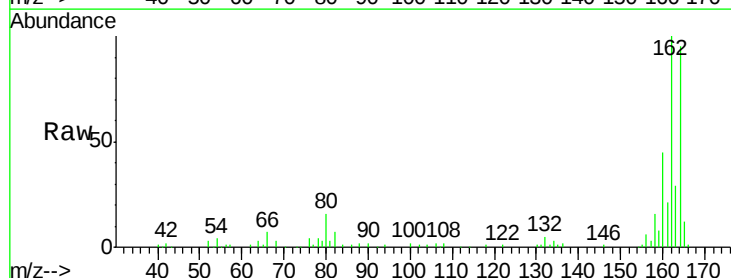
Tgt Ion: 164 Resp: 99890

Ion Ratio Lower Upper

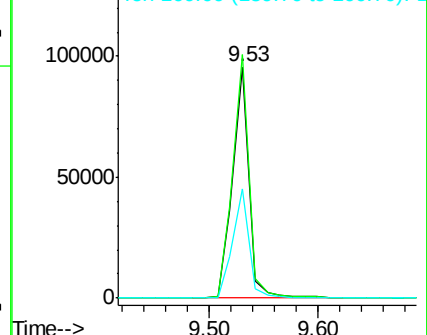
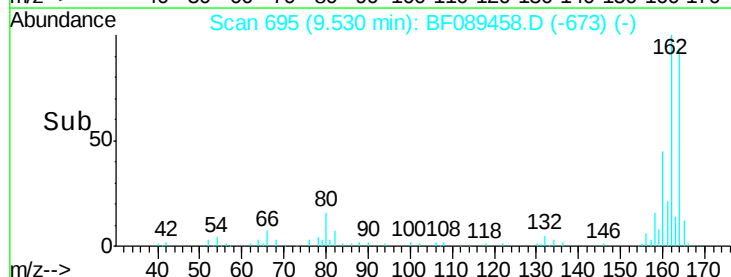
164 100

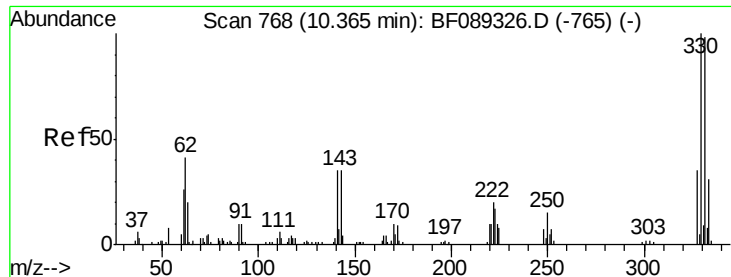
162 105.2 83.7 125.5

160 47.1 37.8 56.6



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

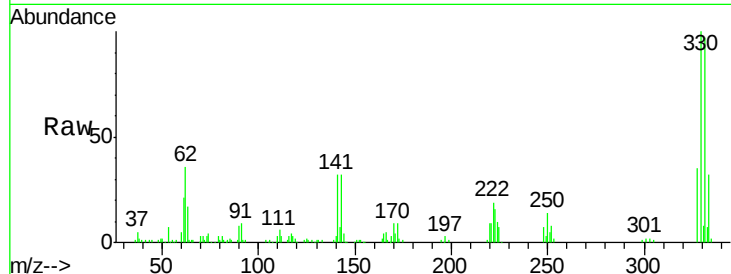




#41  
 2,4,6-Tribromophenol  
 Concen: 144.36 ng  
 RT: 10.32 min Scan# 764  
 Delta R.T. -0.05 min  
 Lab File: BF089458.D  
 Acq: 30 Jul 2016 17:45

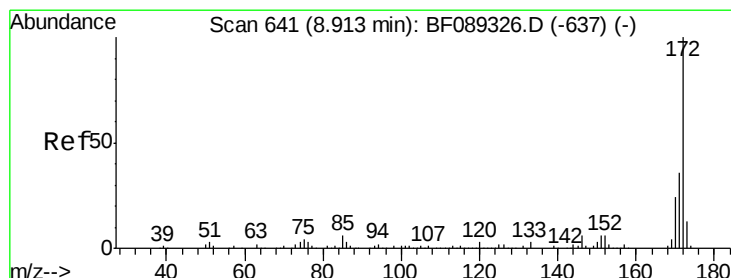
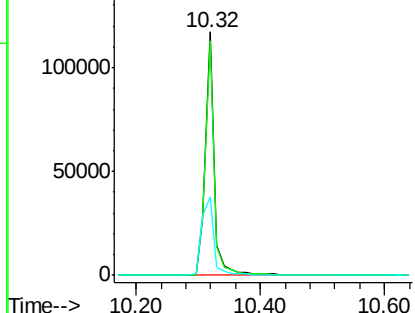
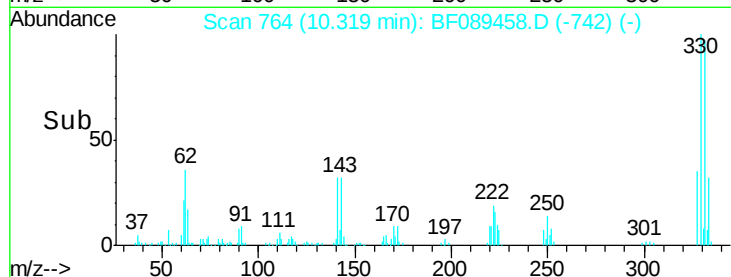
Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 76.8  | 115.2 |
| 141     | 44.2  | 37.3  | 55.9  |



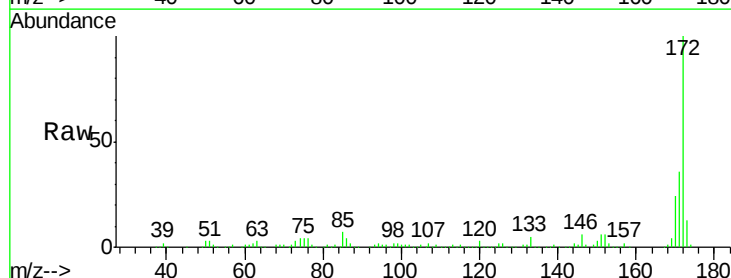
Abundance

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



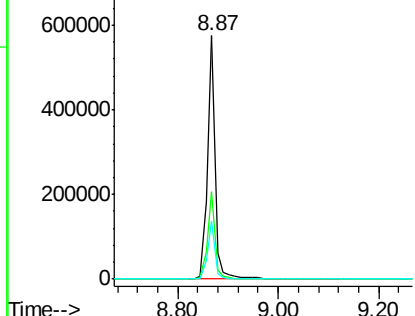
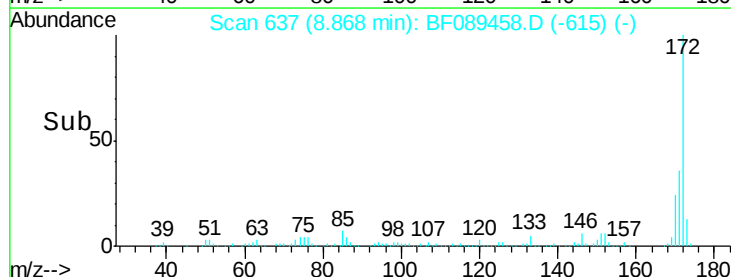
#44  
 2-Fluorobiphenyl  
 Concen: 90.03 ng  
 RT: 8.87 min Scan# 637  
 Delta R.T. -0.05 min  
 Lab File: BF089458.D  
 Acq: 30 Jul 2016 17:45

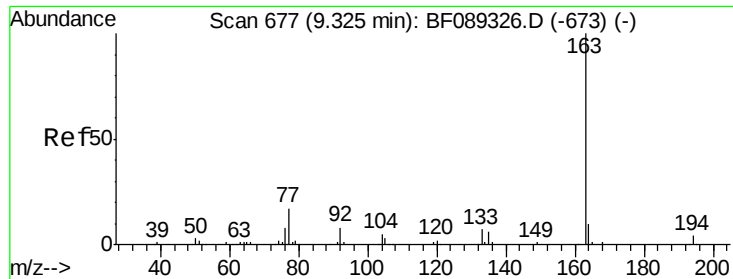
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.2  | 43.8  |
| 170     | 23.7  | 19.2  | 28.8  |



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

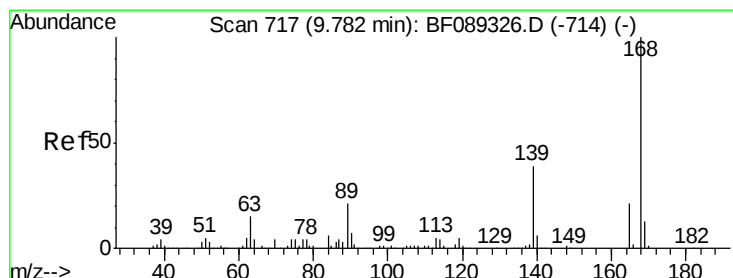
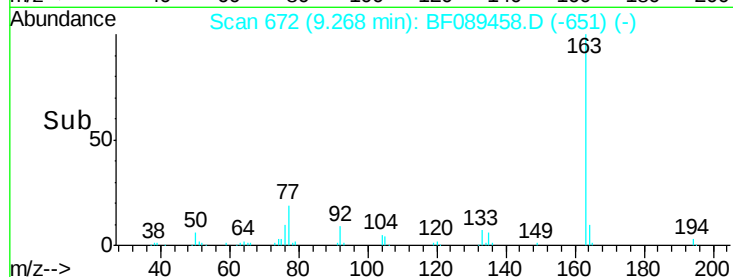
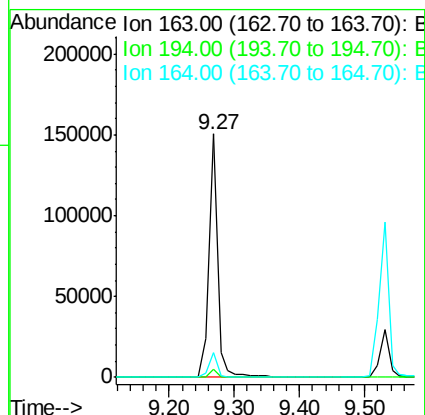
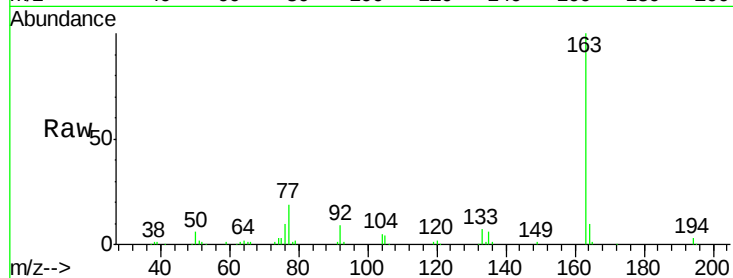




#49  
Dimethylphthalate  
Concen: 18.34 ng  
RT: 9.27 min Scan# 672  
Delta R.T. -0.06 min  
Lab File: BF089458.D  
Acq: 30 Jul 2016 17:45

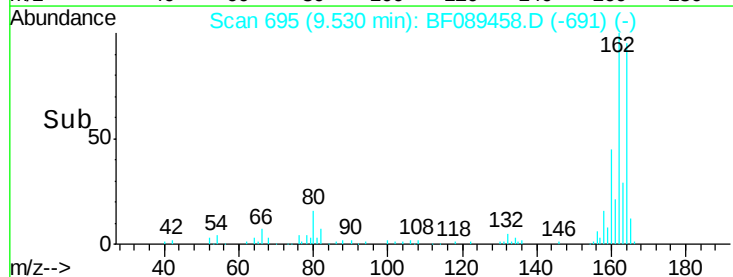
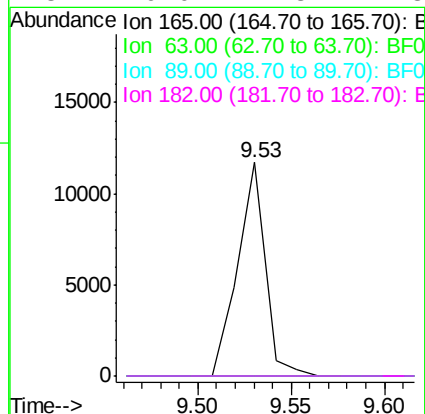
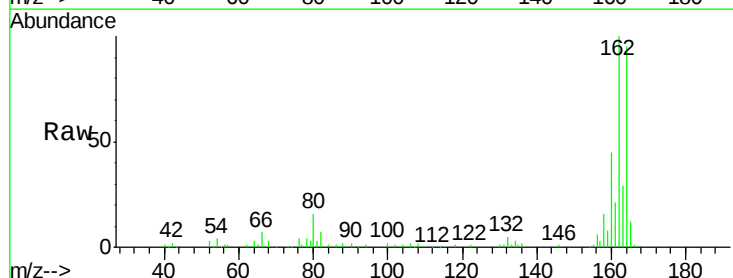
Instrument :  
BNA\_F  
ClientSampleId :

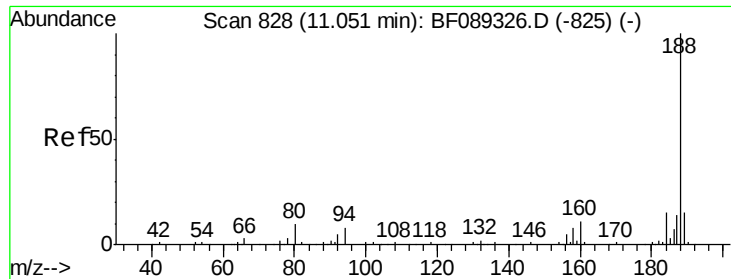
Tot Ion:163 Resp: 139416  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.8 4.2  
164 10.4 7.8 11.8



#56  
2,4-Dinitrotoluene  
Concen: 5.92 ng  
RT: 9.53 min Scan# 695  
Delta R.T. -0.25 min  
Lab File: BF089458.D  
Acq: 30 Jul 2016 17:45

Tgt Ion:165 Resp: 12171  
Ion Ratio Lower Upper  
165 100  
63 0.0 58.2 87.2#  
89 0.0 79.1 118.7#  
182 0.0 1.8 2.8#

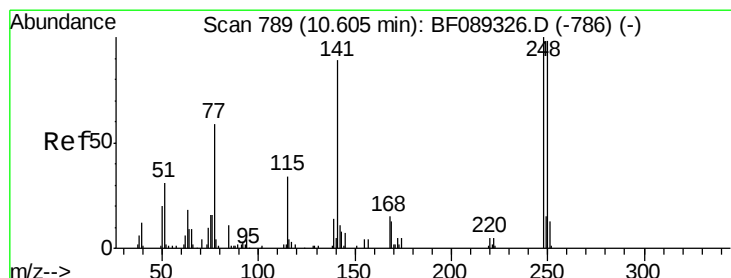
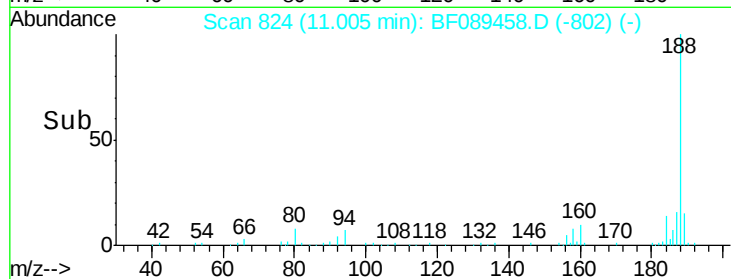
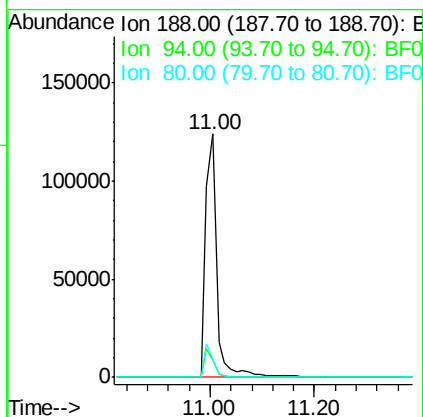
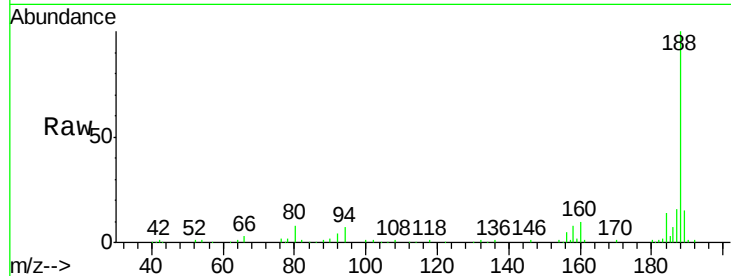




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.00 min Scan# 824  
 Delta R.T. -0.05 min  
 Lab File: BF089458.D  
 Acq: 30 Jul 2016 17:45

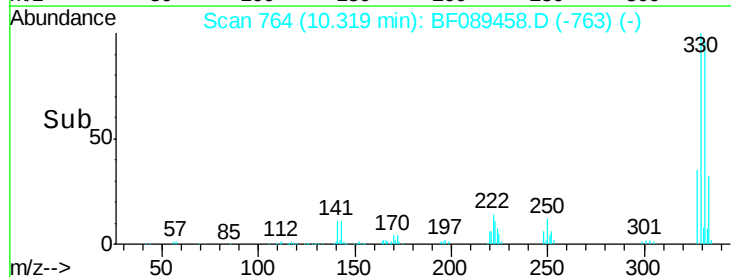
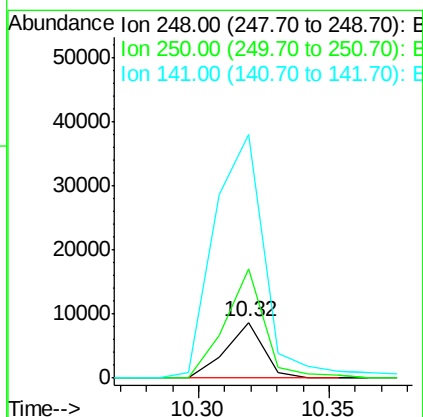
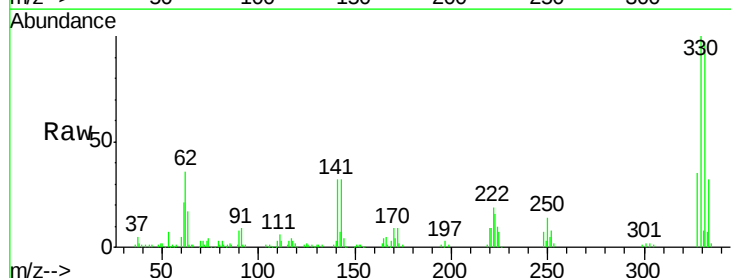
Instrument :  
 BNA\_F  
 ClientSampleId :

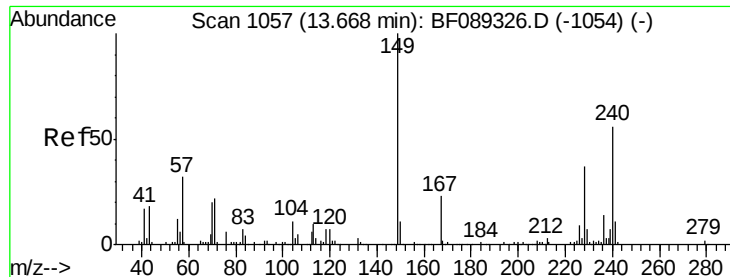
Tot Ion:188 Resp: 184930  
 Ion Ratio Lower Upper  
 188 100  
 94 7.1 6.5 9.7  
 80 7.6 7.2 10.8



#66  
 4-Bromophenyl-phenylether  
 Concen: 4.96 ng  
 RT: 10.32 min Scan# 764  
 Delta R.T. -0.29 min  
 Lab File: BF089458.D  
 Acq: 30 Jul 2016 17:45

Tgt Ion:248 Resp: 8764  
 Ion Ratio Lower Upper  
 248 100  
 250 195.7 78.2 117.2#  
 141 438.4 62.0 93.0#





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.05 min

Lab File: BF089458.D

Acq: 30 Jul 2016 17:45

Instrument :

BNA\_F

ClientSampleId :

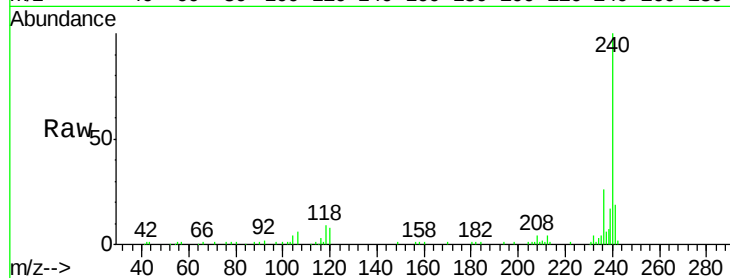
Tot Ion:240 Resp: 113685

Ion Ratio Lower Upper

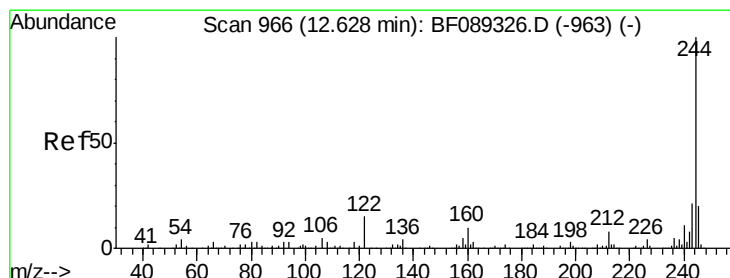
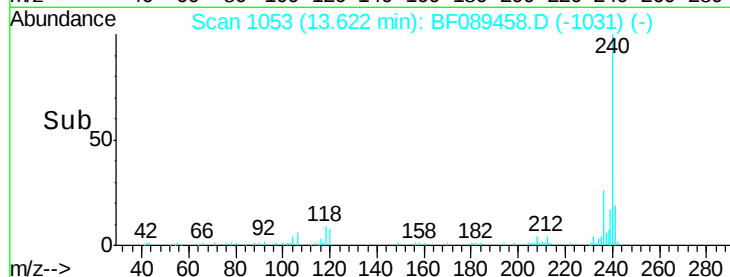
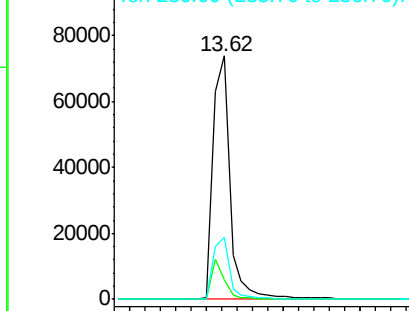
240 100

120 8.3 9.1 13.7#

236 25.5 20.6 30.8



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: 87.65 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.05 min

Lab File: BF089458.D

Acq: 30 Jul 2016 17:45

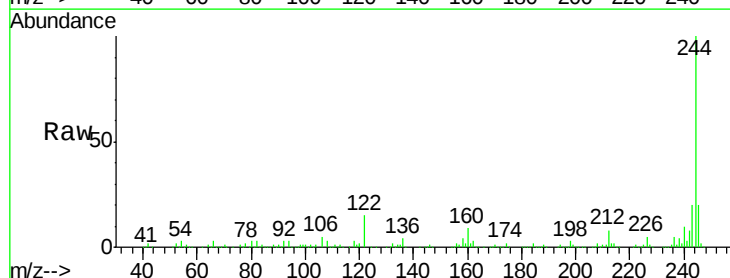
Tgt Ion:244 Resp: 425754

Ion Ratio Lower Upper

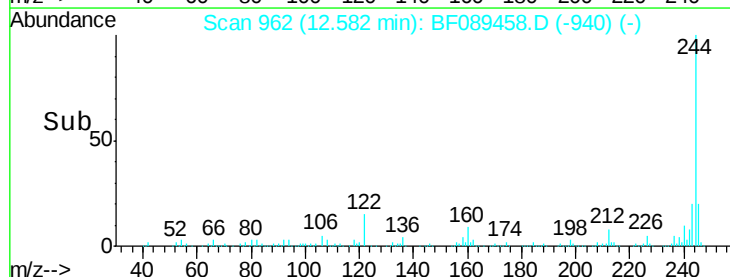
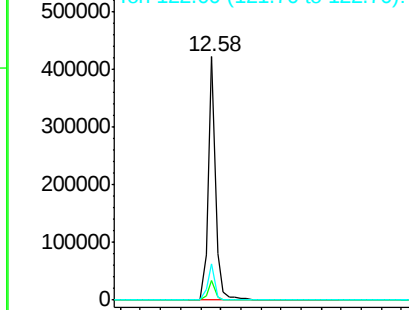
244 100

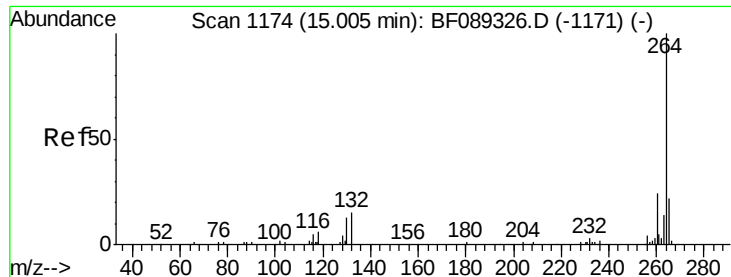
212 8.1 6.5 9.7

122 15.1 11.4 17.0



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

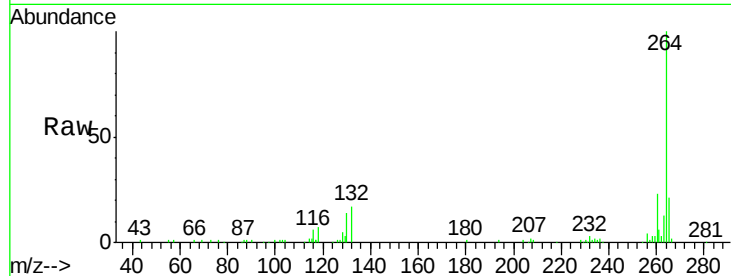




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 14.95 min Scan# 1169  
Delta R.T. -0.06 min  
Lab File: BF089458.D  
Acq: 30 Jul 2016 17:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 264 Resp: 84570  
Ion Ratio Lower Upper  
264 100  
260 23.0 19.0 28.4  
265 21.0 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

