

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070717\  
 Data File : BF096559.D  
 Acq On : 7 Jul 2017 15:15  
 Operator : SJ/MA  
 Sample : I4064-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 07 15:47:15 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 07 13:02:33 2017  
 Response via : Initial Calibration

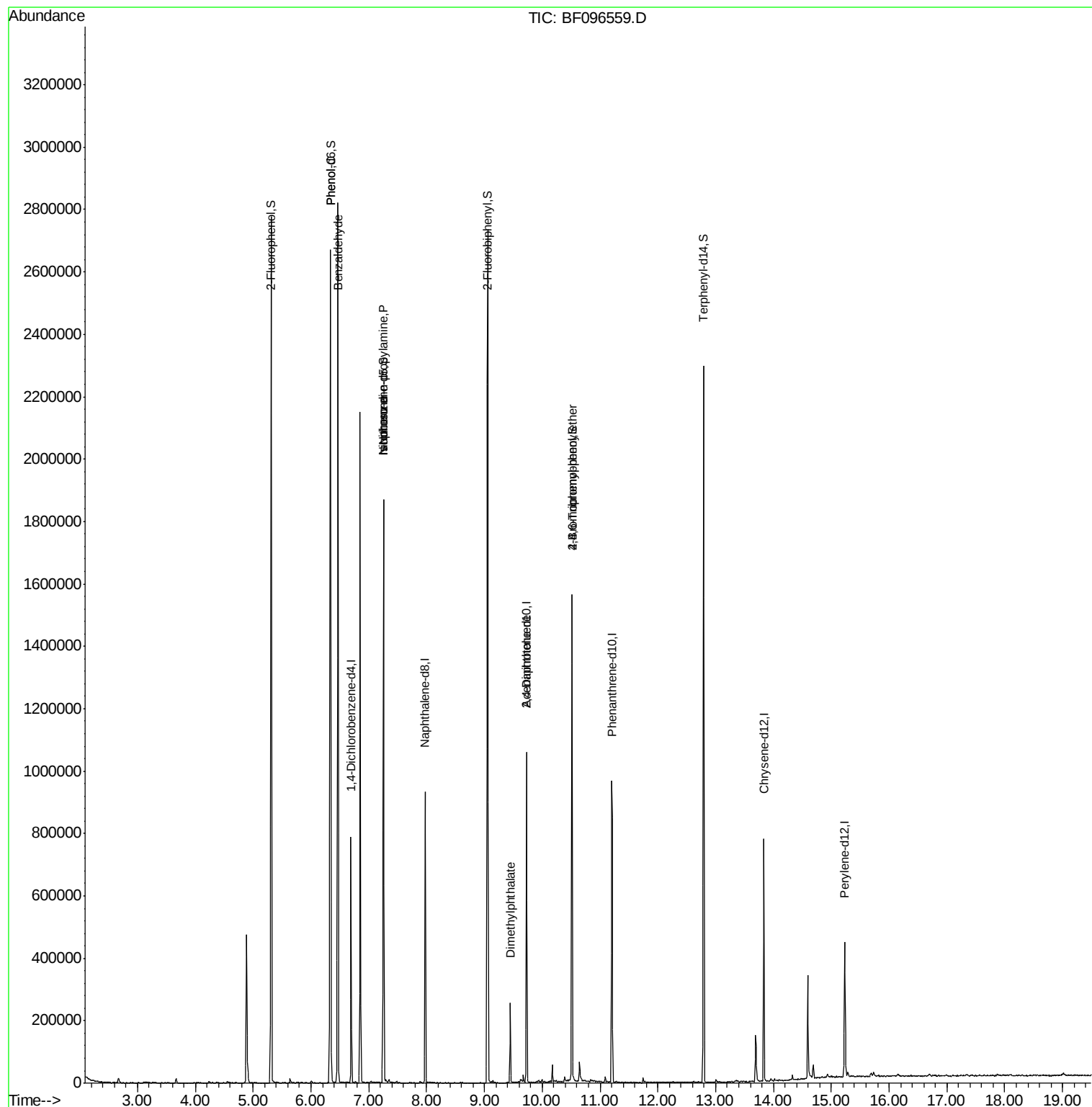
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.69  | 152  | 115971   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.97  | 136  | 440652   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.73  | 164  | 196369   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.20 | 188  | 350198   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.83 | 240  | 235901   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.23 | 264  | 180768   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.31  | 112  | 798508   | 101.63 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.34  | 99   | 992488   | 102.75 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 585770   | 79.88  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.52 | 330  | 187421   | 122.19 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.06  | 172  | 908014   | 79.06  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.79 | 244  | 725082   | 65.68  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.47  | 77   | 15887    | 2.63   | ng    | 84       |
| 10) Phenol                     | 6.35  | 94   | 34525    | 3.14   | ng    | 97       |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 78193    | 13.59  | ng    | # 87     |
| 25) Isophorone                 | 7.26  | 82   | 583562   | 41.04  | ng    | # 67     |
| 49) Dimethylphthalate          | 9.45  | 163  | 99041    | 6.76   | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.73  | 165  | 24429    | 5.95   | ng    | # 33     |
| 66) 4-Bromophenyl-phenylether  | 10.52 | 248  | 11168    | 3.28   | ng    | # 1      |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070717\  
Data File : BF096559.D  
Acq On : 7 Jul 2017 15:15  
Operator : SJ/MA  
Sample : I4064-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jul 07 15:47:15 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 07 13:02:33 2017  
Response via : Initial Calibration



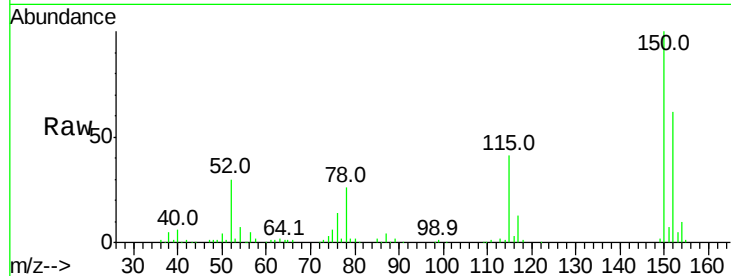


#1

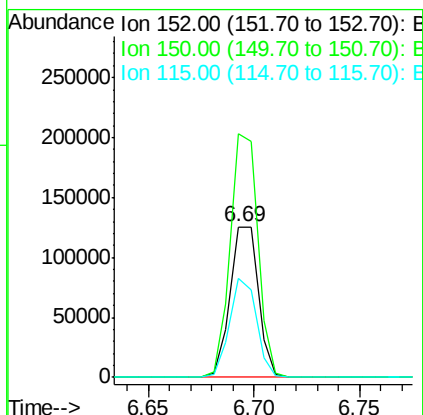
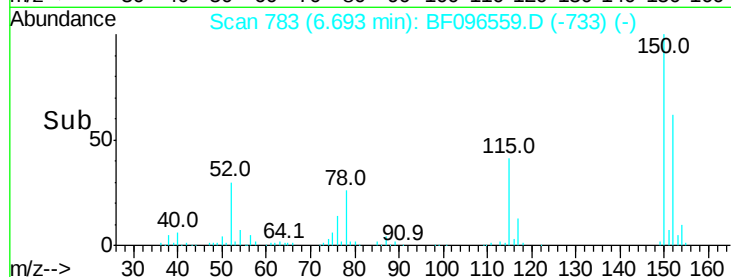
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.69 min Scan# 783  
Delta R.T. -0.01 min  
Lab File: BF096559.D  
Acq: 7 Jul 2017 15:15

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 115971  
Ion Ratio Lower Upper  
152 100  
150 161.8 126.2 189.2  
115 66.1 52.2 78.2



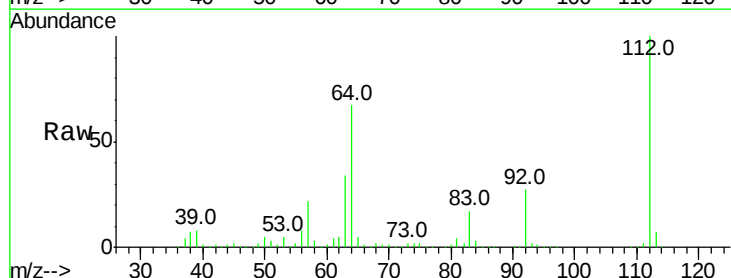
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



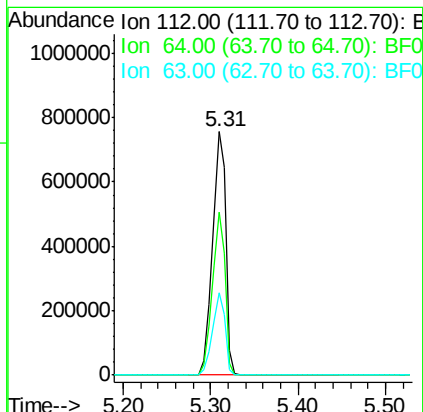
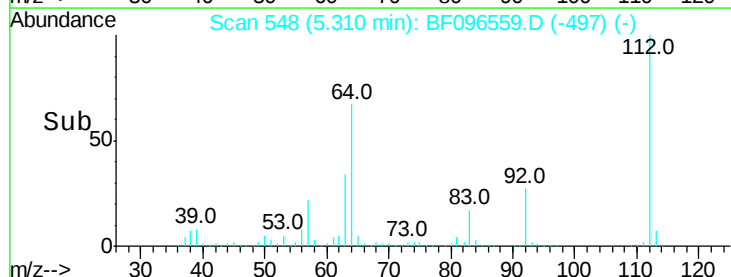
#5

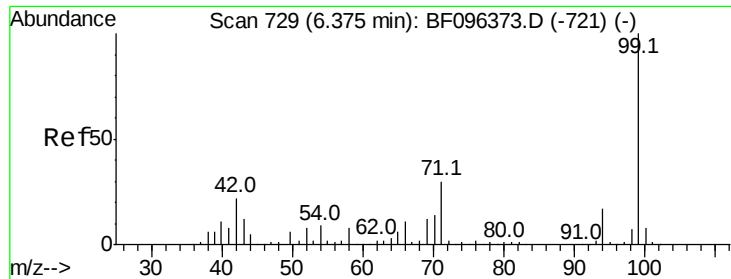
2-Fluorophenol  
Concen: 101.63 ng  
RT: 5.31 min Scan# 548  
Delta R.T. 0.00 min  
Lab File: BF096559.D  
Acq: 7 Jul 2017 15:15

Tgt Ion:112 Resp: 798508  
Ion Ratio Lower Upper  
112 100  
64 66.9 46.0 69.0  
63 33.8 23.4 35.0



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





#7

Phenol-d6

Concen: 102.75 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096559.D

Acq: 7 Jul 2017 15:15

Instrument :

BNA\_F

ClientSampleId :

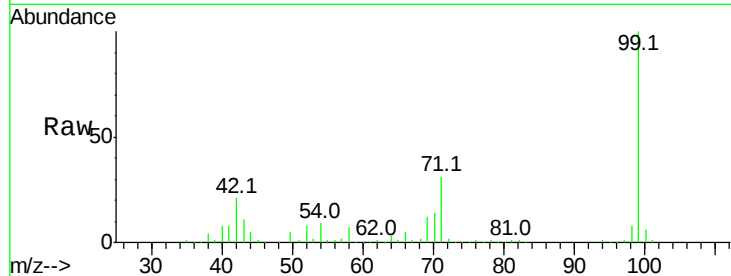
Tot Ion: 99 Resp: 992488

Ion Ratio Lower Upper

99 100

42 21.5 13.5 20.3#

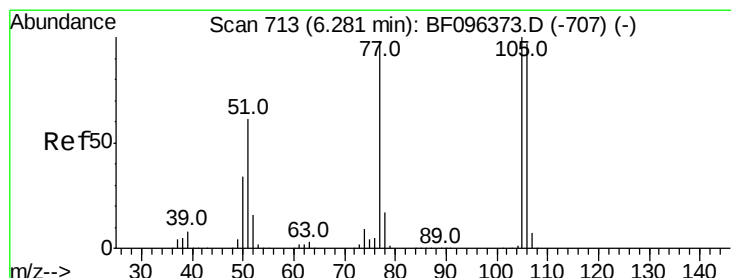
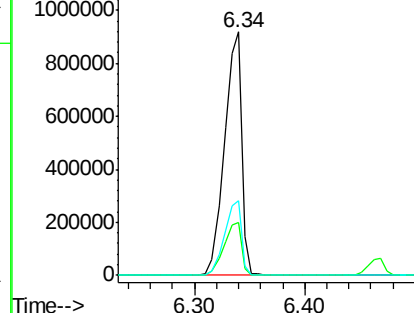
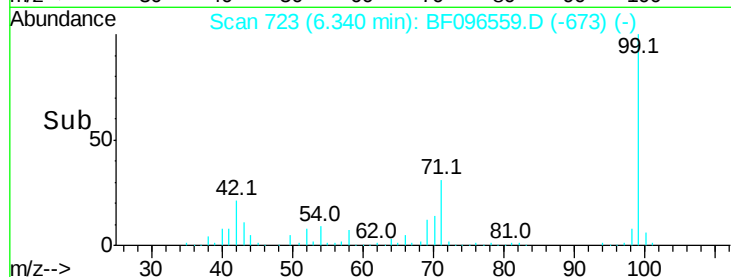
71 30.6 24.5 36.7



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: 2.63 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.22 min

Lab File: BF096559.D

Acq: 7 Jul 2017 15:15

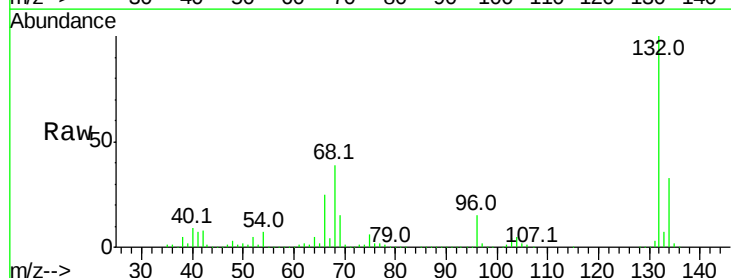
Tgt Ion: 77 Resp: 15887

Ion Ratio Lower Upper

77 100

105 91.3 83.8 123.8

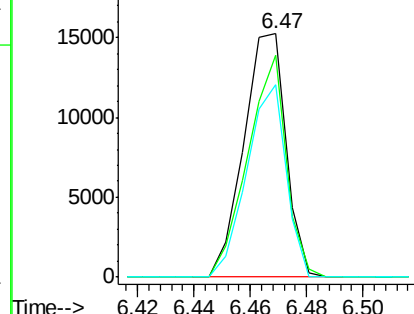
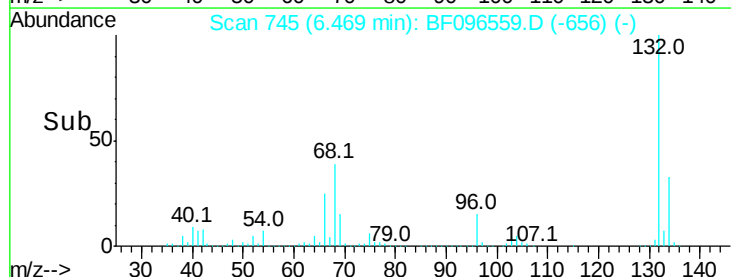
106 79.1 79.1 119.1

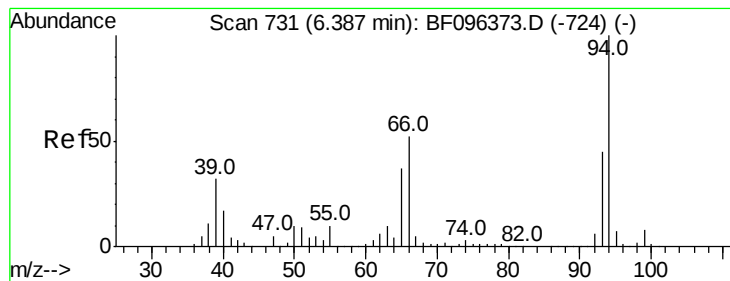


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.14 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096559.D

Acq: 7 Jul 2017 15:15

Instrument :

BNA\_F

ClientSampleId :

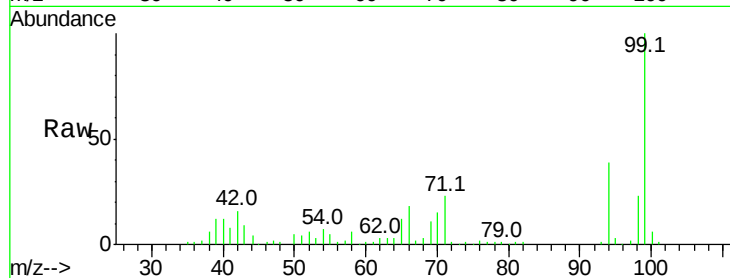
Tot Ion: 94 Resp: 34525

Ion Ratio Lower Upper

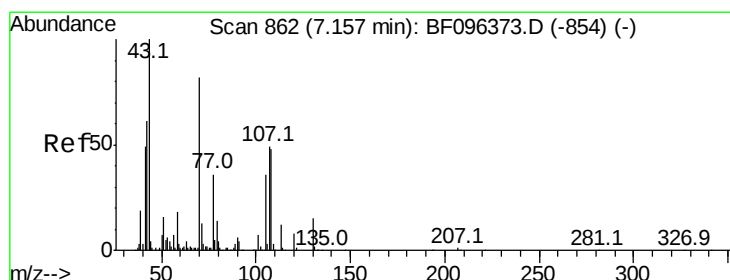
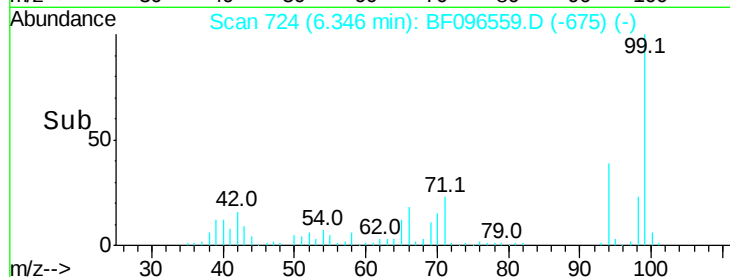
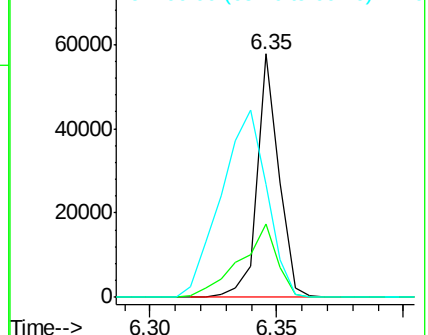
94 100

65 30.3 9.9 49.9

66 46.3 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.59 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF096559.D

Acq: 7 Jul 2017 15:15

Tgt Ion: 70 Resp: 78193

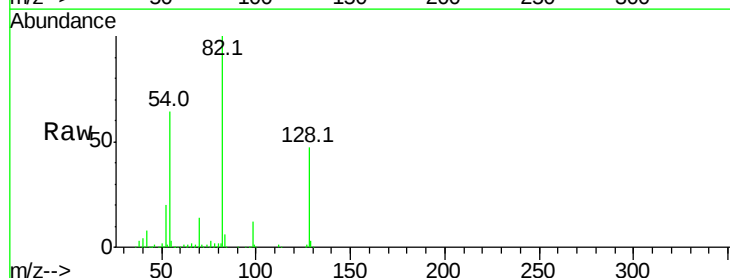
Ion Ratio Lower Upper

70 100

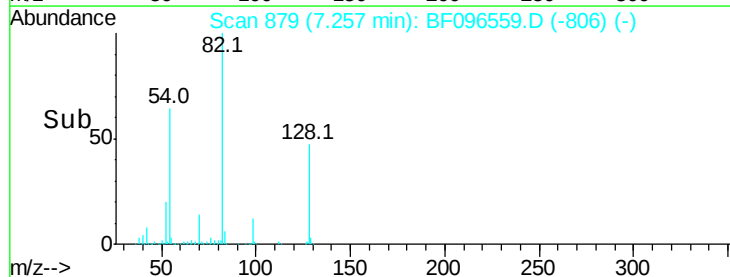
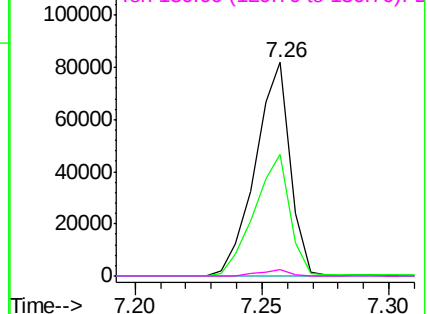
42 56.7 47.2 70.8

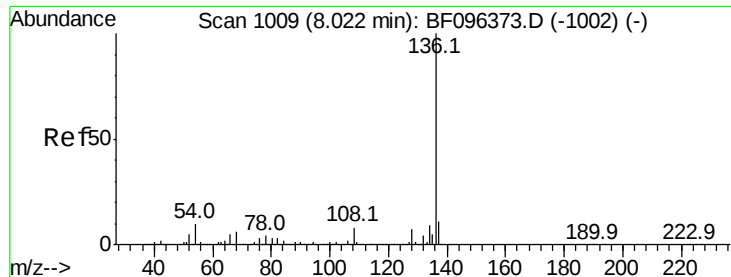
101 0.0 7.2 10.8#

130 3.0 15.9 23.9#



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

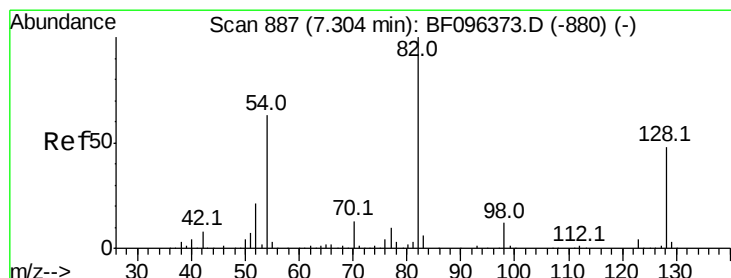
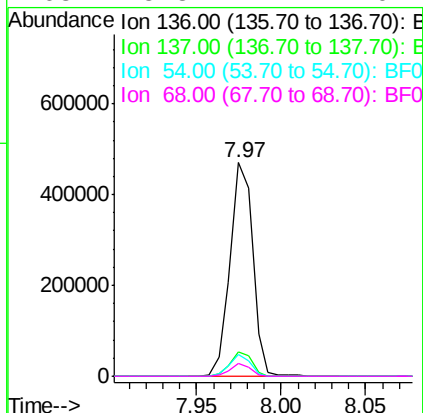
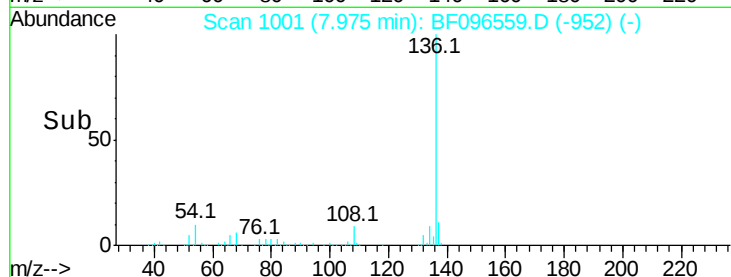
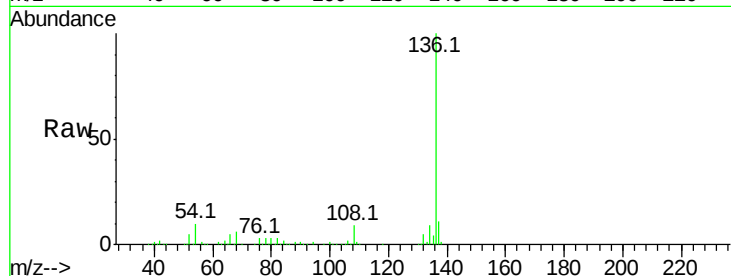




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.01 min  
Lab File: BF096559.D  
Acq: 7 Jul 2017 15:15

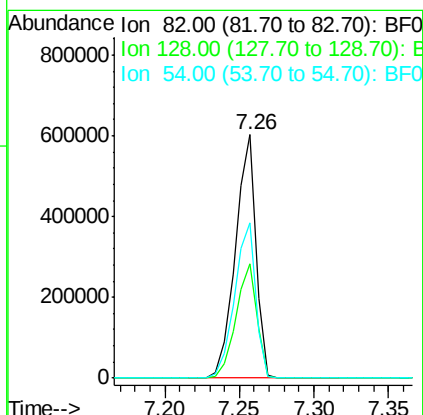
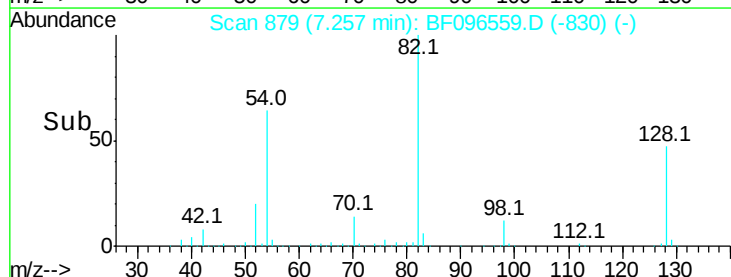
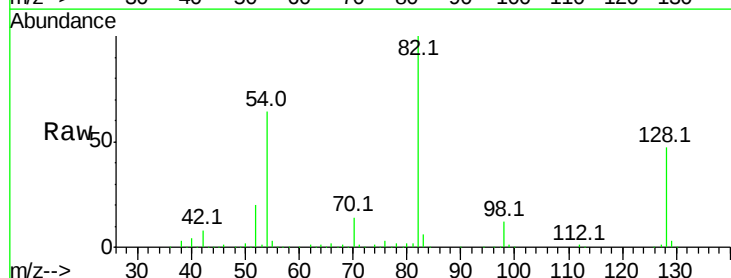
Instrument :  
BNA\_F  
ClientSampleId :

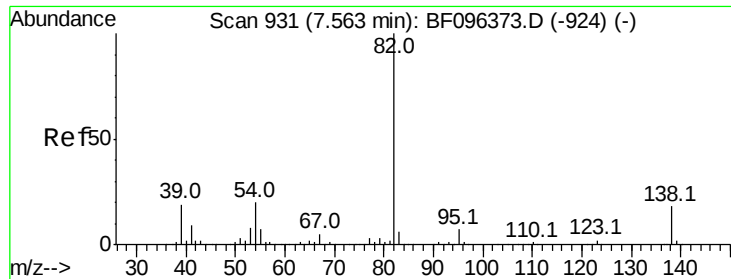
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 440652 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 8.5   | 12.7   |
| 54       | 10.1  | 4.9   | 7.3#   |
| 68       | 5.8   | 4.1   | 6.1    |



#23  
Nitrobenzene-d5  
Concen: 79.88 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.01 min  
Lab File: BF096559.D  
Acq: 7 Jul 2017 15:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 585770 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.0  | 34.0  | 51.0   |
| 54       | 64.0  | 42.2  | 63.2#  |





#25

Isophorone

Concen: 41.04 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.27 min

Lab File: BF096559.D

Acq: 7 Jul 2017 15:15

Instrument :

BNA\_F

ClientSampleId :

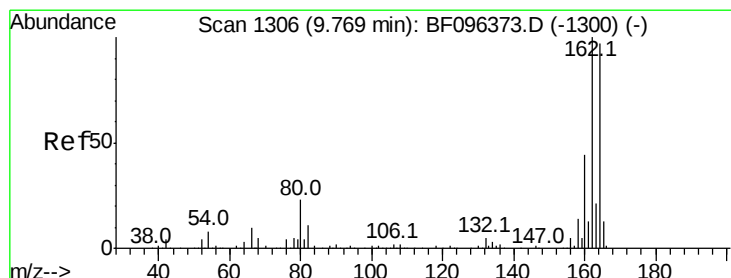
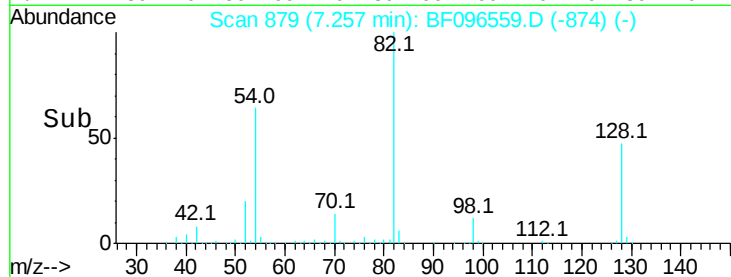
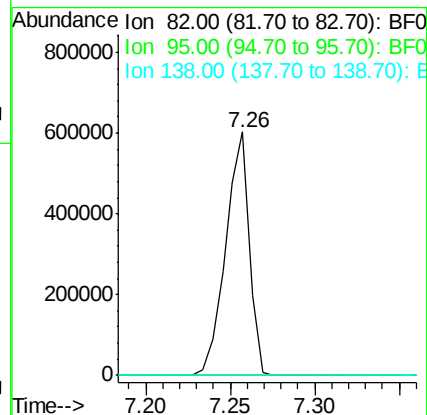
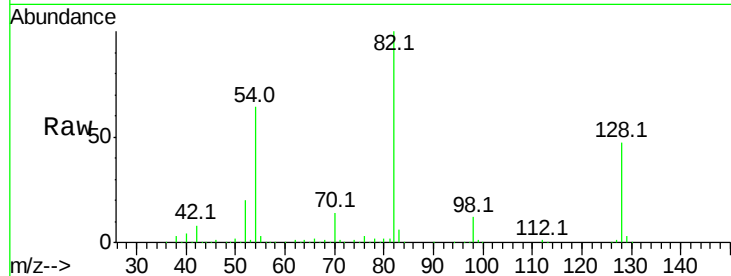
Tot Ion: 82 Resp: 583562

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF096559.D

Acq: 7 Jul 2017 15:15

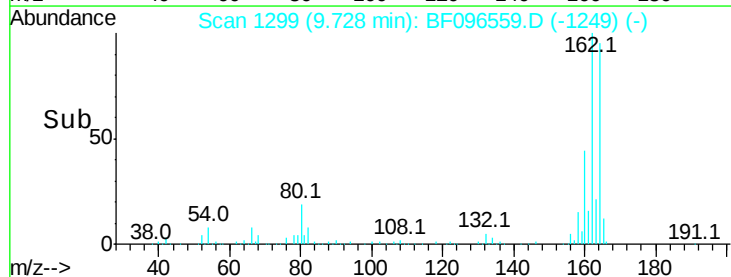
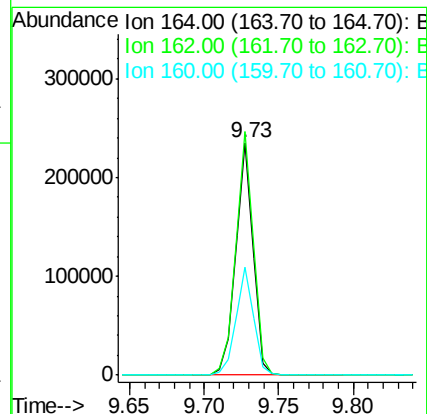
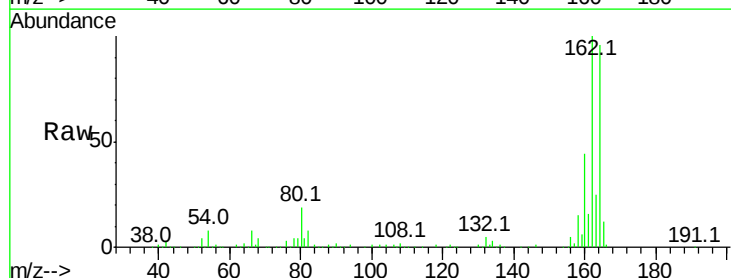
Tgt Ion:164 Resp: 196369

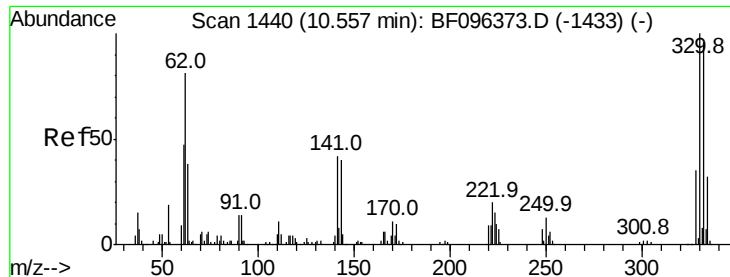
Ion Ratio Lower Upper

164 100

162 104.7 82.6 123.8

160 46.2 36.2 54.2

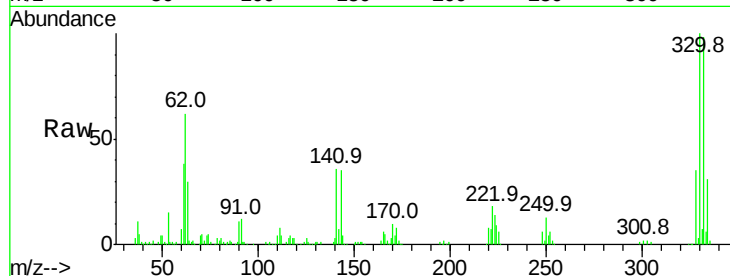




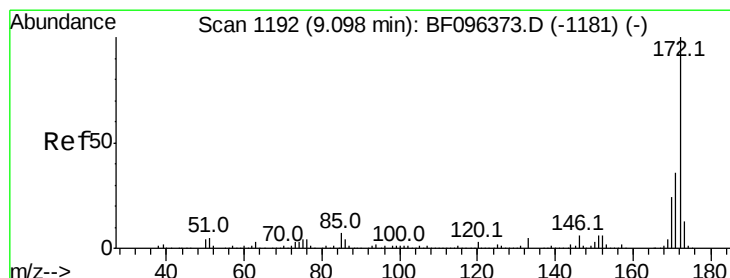
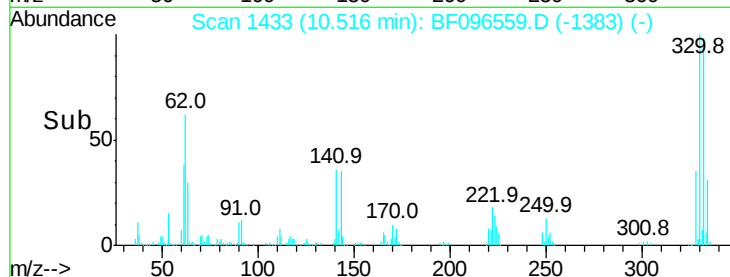
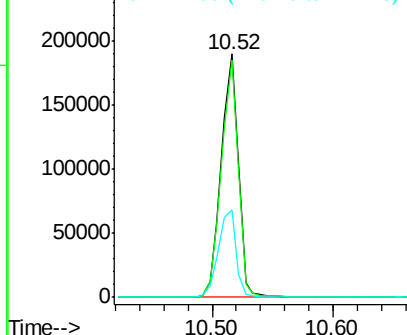
#41  
 2,4,6-Tribromophenol  
 Concen: 122.19 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.01 min  
 Lab File: BF096559.D  
 Acq: 7 Jul 2017 15:15

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 187421  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 76.6 115.0  
 141 36.7 31.4 47.2

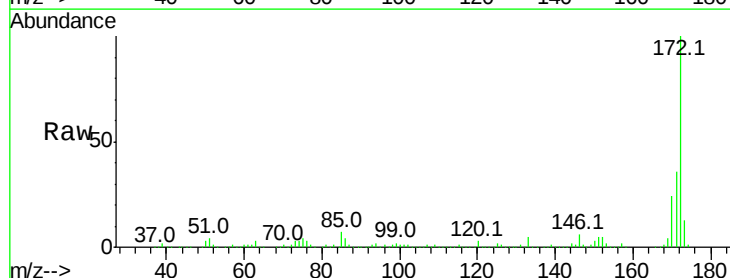


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

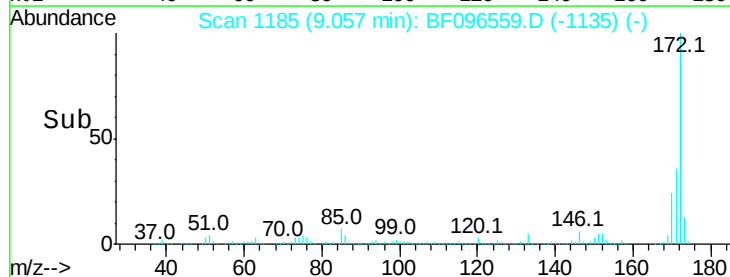
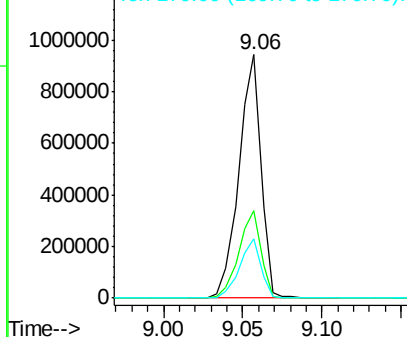


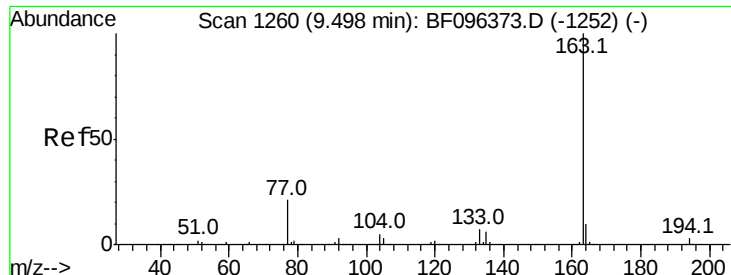
#44  
 2-Fluorobiphenyl  
 Concen: 79.06 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.01 min  
 Lab File: BF096559.D  
 Acq: 7 Jul 2017 15:15

Tgt Ion:172 Resp: 908014  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.6 44.4  
 170 24.2 19.8 29.8



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

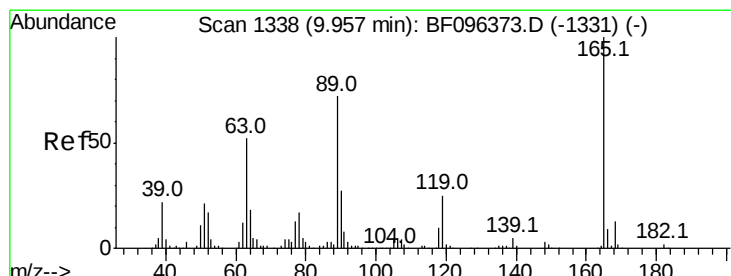
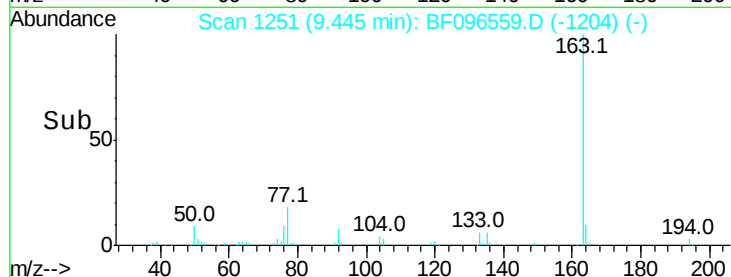
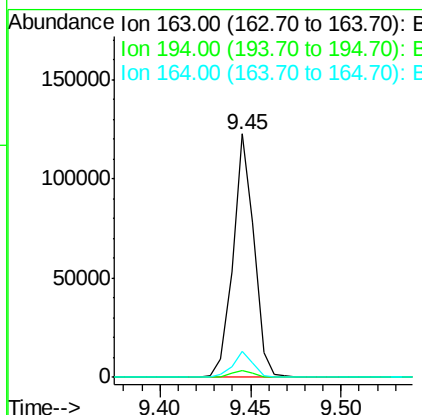
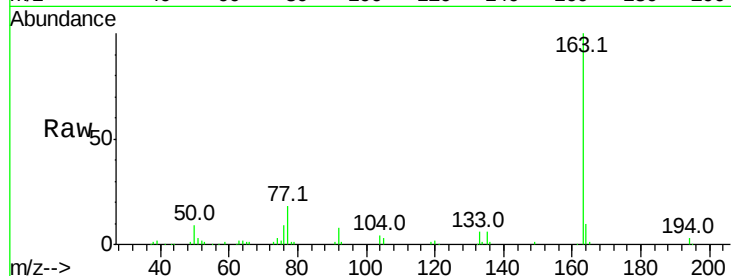




#49  
 Dimethylphthalate  
 Concen: 6.76 ng  
 RT: 9.45 min Scan# 1251  
 Delta R.T. -0.02 min  
 Lab File: BF096559.D  
 Acq: 7 Jul 2017 15:15

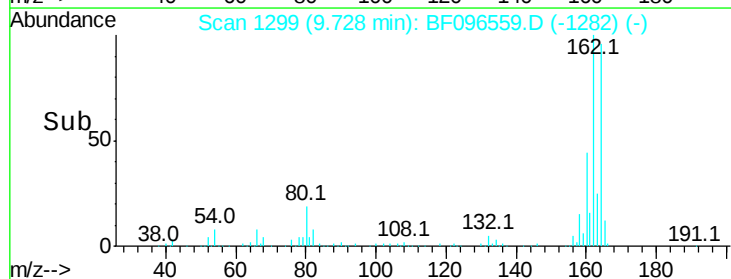
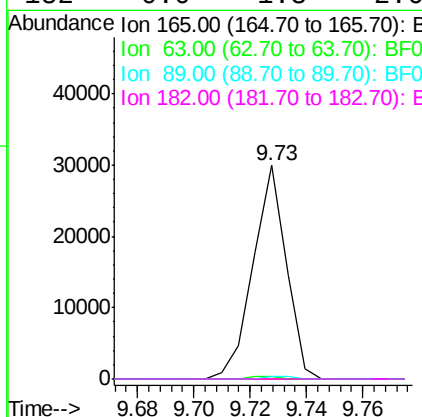
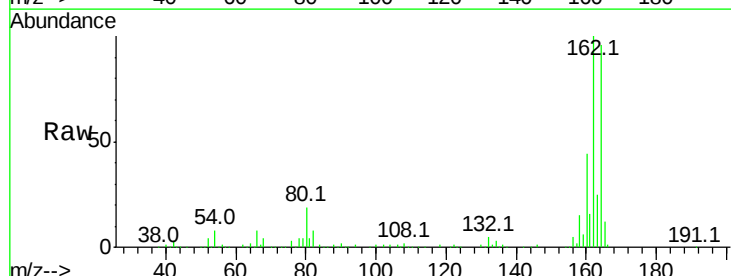
Instrument :  
 BNA\_F  
 ClientSampleId :

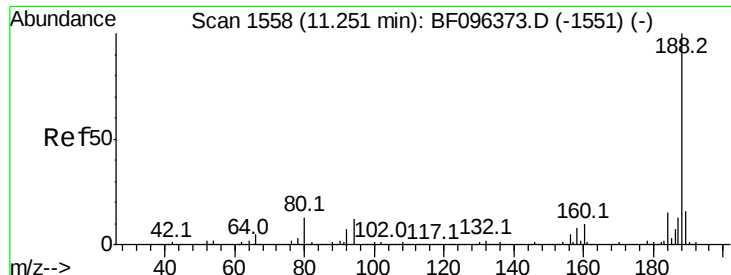
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 163   | Resp: | 99041 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 2.9   | 2.6   | 4.0   |
| 164      | 10.5  | 8.4   | 12.6  |



#56  
 2,4-Dinitrotoluene  
 Concen: 5.95 ng  
 RT: 9.73 min Scan# 1299  
 Delta R.T. -0.20 min  
 Lab File: BF096559.D  
 Acq: 7 Jul 2017 15:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 24429 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.5   | 25.4  | 38.0# |
| 89       | 1.0   | 46.4  | 69.6# |
| 182      | 0.0   | 1.8   | 2.6#  |

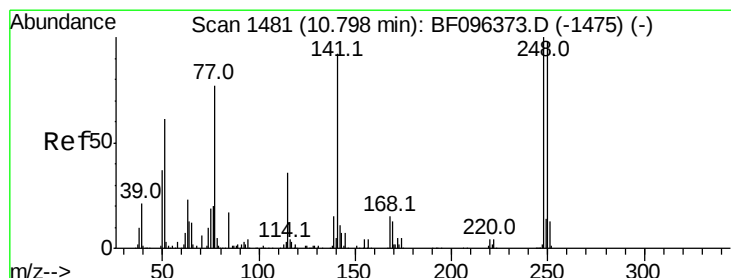
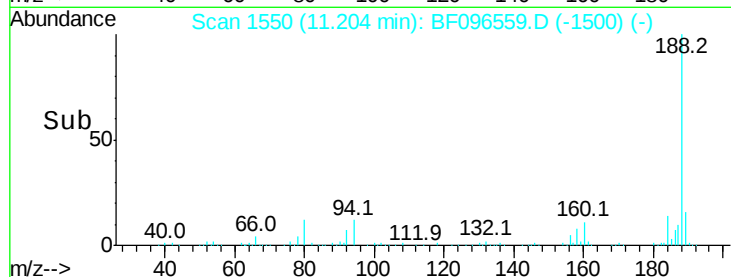
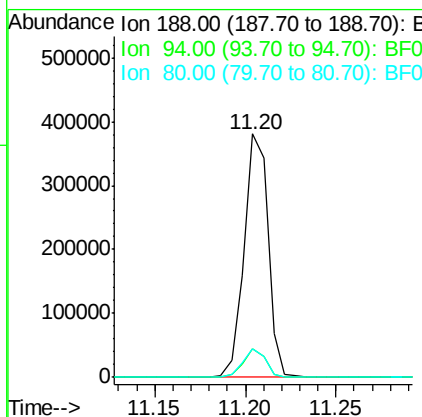
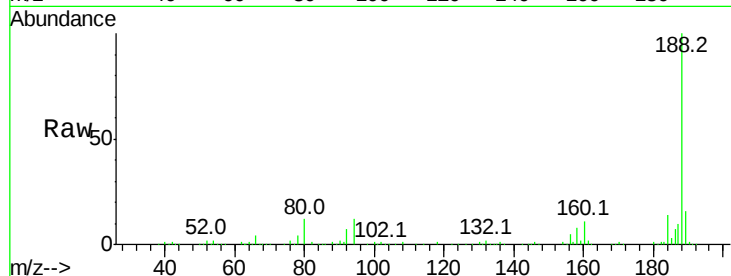




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.20 min Scan# 1550  
 Delta R.T. -0.01 min  
 Lab File: BF096559.D  
 Acq: 7 Jul 2017 15:15

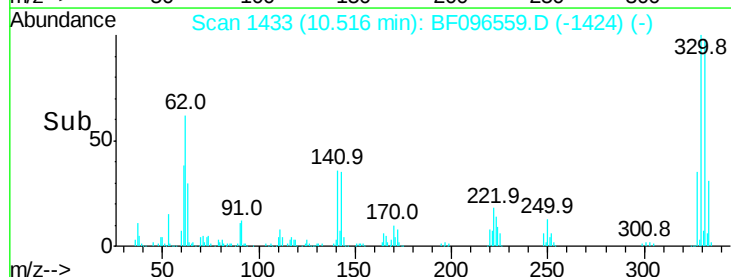
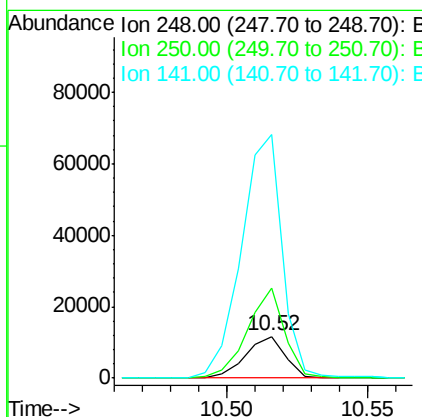
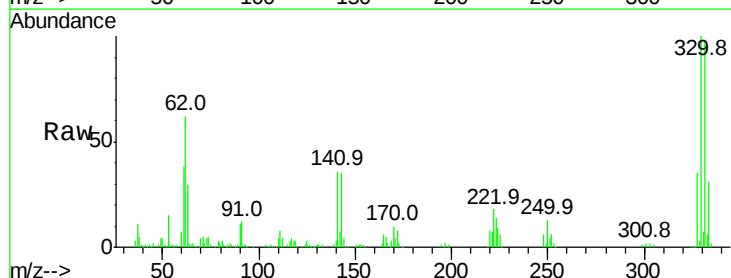
Instrument :  
 BNA\_F  
 ClientSampleId :

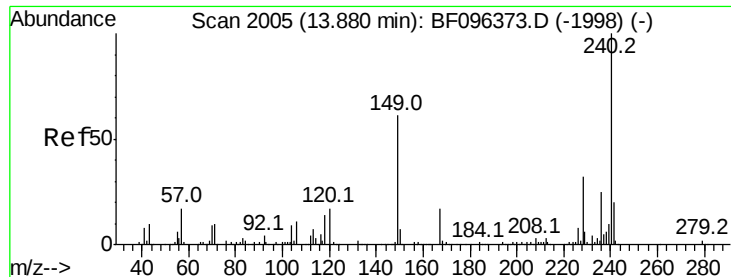
Tot Ion:188 Resp: 350198  
 Ion Ratio Lower Upper  
 188 100  
 94 11.9 9.4 14.2  
 80 11.6 10.2 15.2



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.28 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.25 min  
 Lab File: BF096559.D  
 Acq: 7 Jul 2017 15:15

Tgt Ion:248 Resp: 11168  
 Ion Ratio Lower Upper  
 248 100  
 250 213.6 76.8 115.2#  
 141 580.9 68.6 103.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF096559.D

Acq: 7 Jul 2017 15:15

Instrument :

BNA\_F

ClientSampleId :

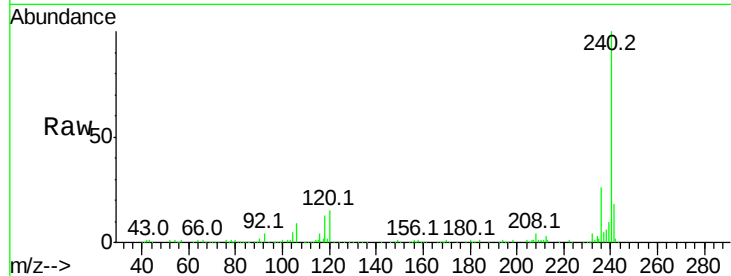
Tot Ion:240 Resp: 235901

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

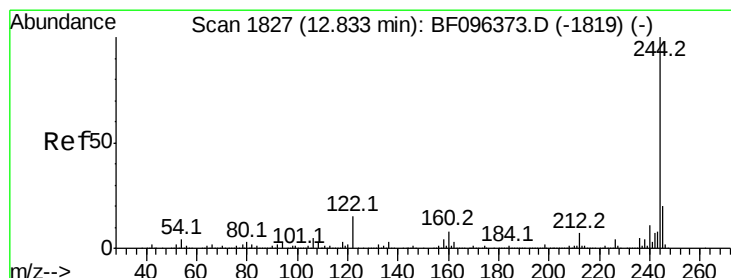
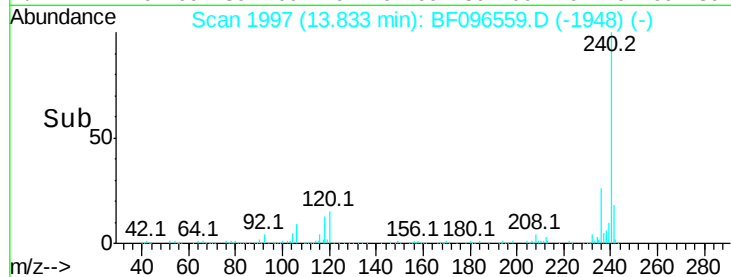
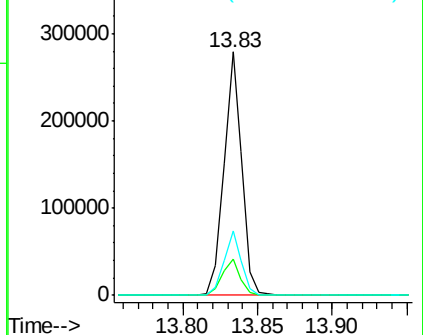
236 26.5 20.5 30.7



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: 65.68 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF096559.D

Acq: 7 Jul 2017 15:15

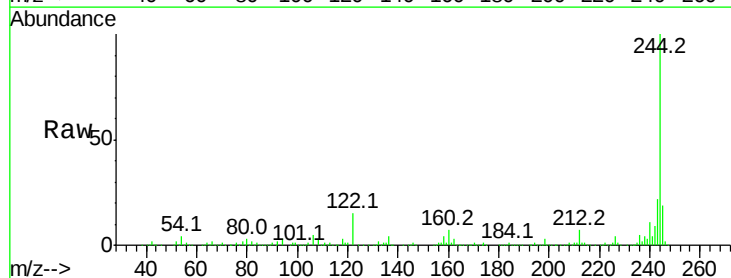
Tgt Ion:244 Resp: 725082

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

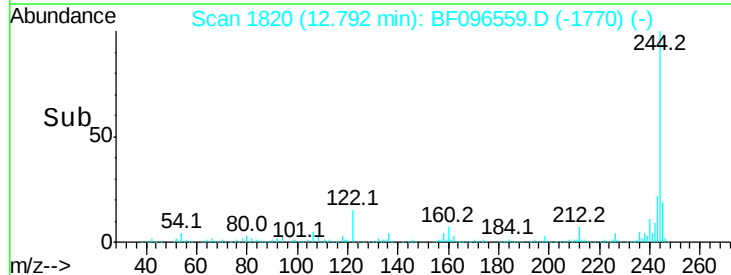
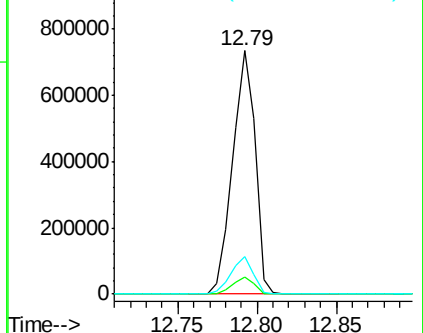
122 15.3 10.3 15.5

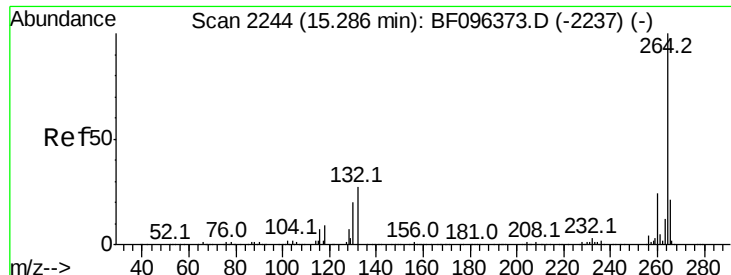


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

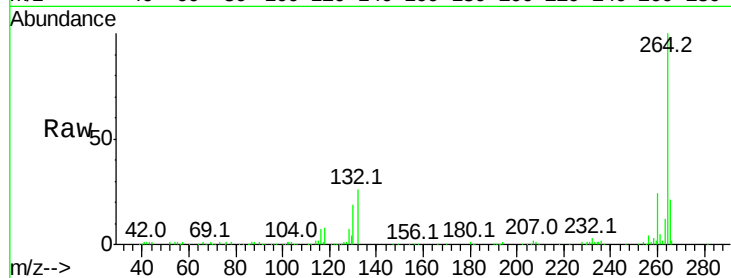




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.23 min Scan# 2235  
 Delta R.T. -0.01 min  
 Lab File: BF096559.D  
 Acq: 7 Jul 2017 15:15

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.5  | 29.3  |
| 265     | 20.8  | 17.2  | 25.8  |



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

