

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062217\  
 Data File : BF096146.D  
 Acq On : 23 Jun 2017 5:23  
 Operator : SJ/MA  
 Sample : I3815-01  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 23 06:44:56 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 16:05:47 2017  
 Response via : Initial Calibration

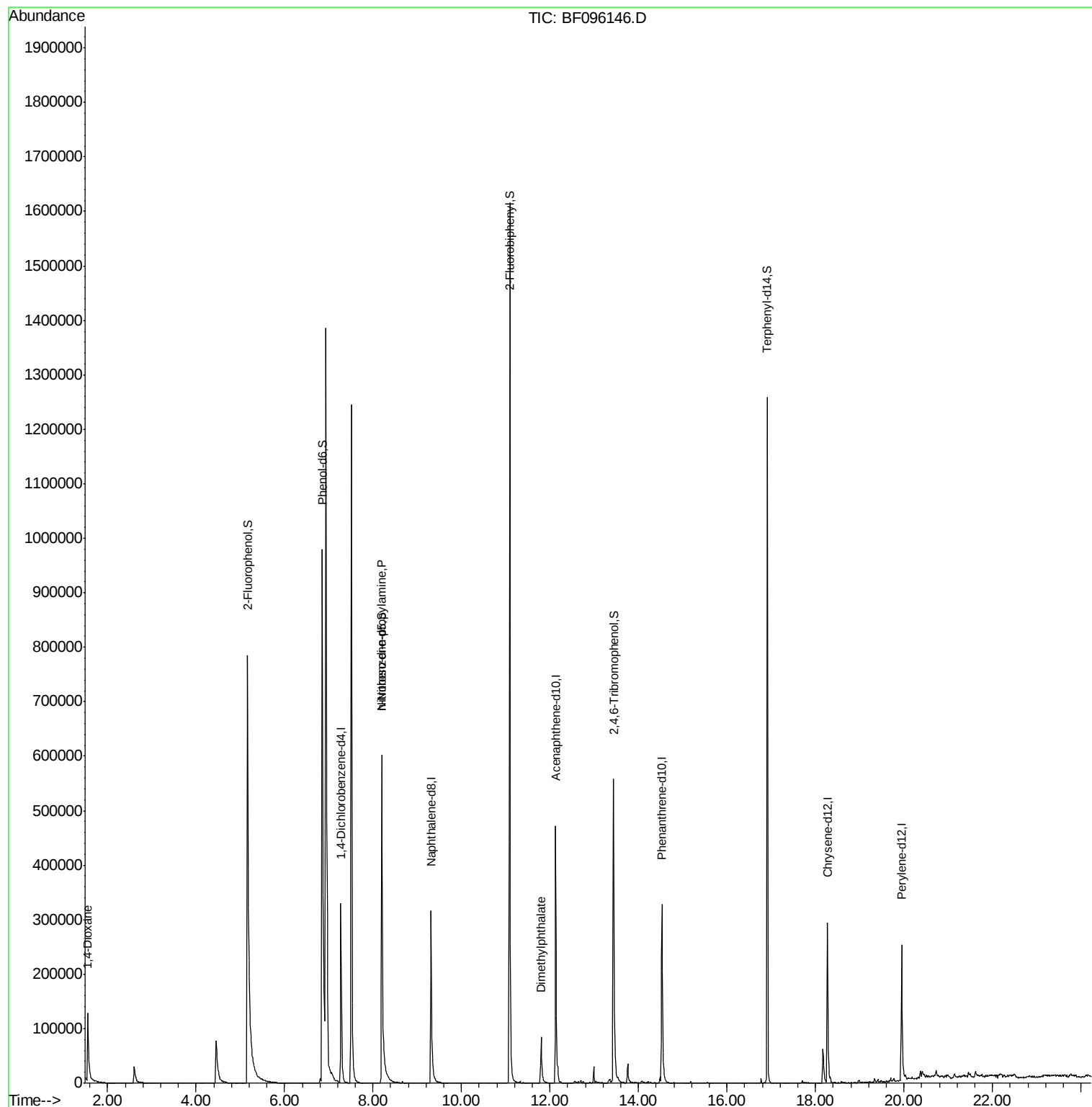
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.27  | 152  | 85789    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 9.31  | 136  | 296539   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 12.13 | 164  | 144976   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 14.53 | 188  | 232733   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 18.27 | 240  | 175838   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 19.94 | 264  | 147877   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.16  | 112  | 648132   | 120.38 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.85  | 99   | 803893   | 124.72 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 8.20  | 82   | 398982   | 83.56  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 13.43 | 330  | 130179   | 101.49 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 11.09 | 172  | 802537   | 77.03  | ng    | -0.02    |
| 78) Terphenyl-d14              | 16.91 | 244  | 508645   | 71.79  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 1.55  | 88   | 6360     | 2.48   | ng    | # 22     |
| 19) n-Nitroso-di-n-propylamine | 8.20  | 70   | 45765    | 11.20  | ng    | # 75     |
| 49) Dimethylphthalate          | 11.80 | 163  | 81726    | 7.42   | ng    | 99       |

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

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QLast Update : Tue Jun 20 16:05:47 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.27 min Scan# 984

Delta R.T. -0.02 min

Lab File: BF096146.D

Acq: 23 Jun 2017 5:23

Instrument :

BNA\_F

ClientSampleId :

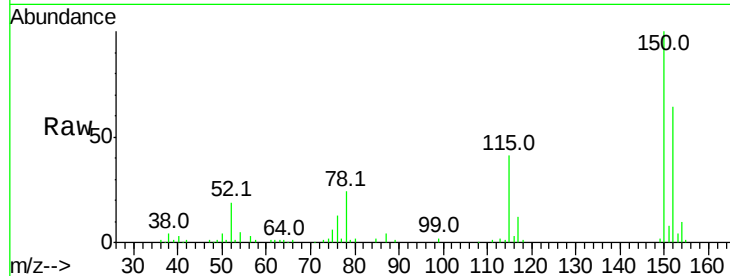
Tot Ion:152 Resp: 85789

Ion Ratio Lower Upper

152 100

150 156.4 126.2 189.2

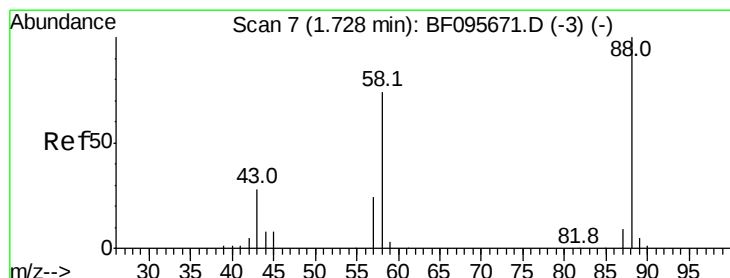
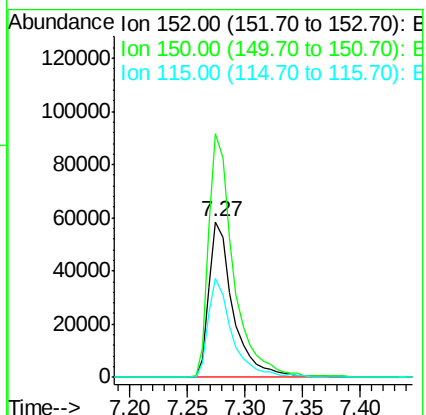
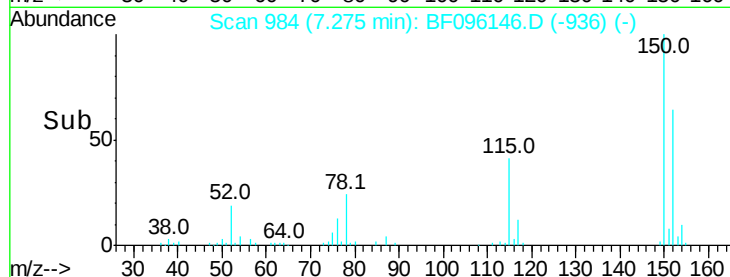
115 63.4 52.2 78.2



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



#2

1,4-Dioxane

Concen: 2.48 ng

RT: 1.55 min Scan# 11

Delta R.T. -0.06 min

Lab File: BF096146.D

Acq: 23 Jun 2017 5:23

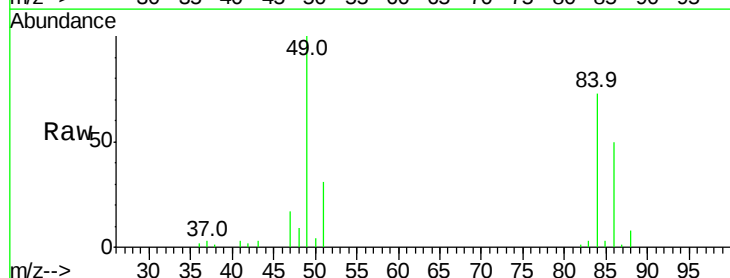
Tgt Ion: 88 Resp: 6360

Ion Ratio Lower Upper

88 100

58 1.7 61.4 92.0#

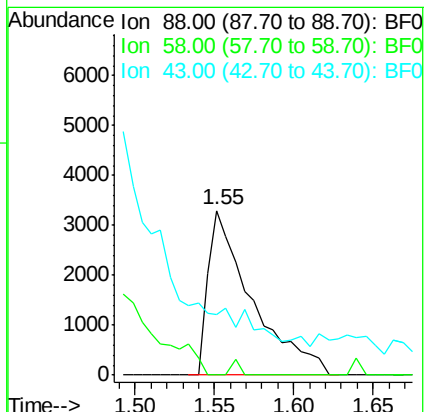
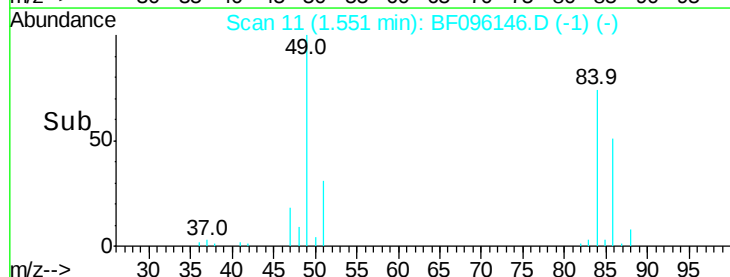
43 0.0 23.4 35.0#

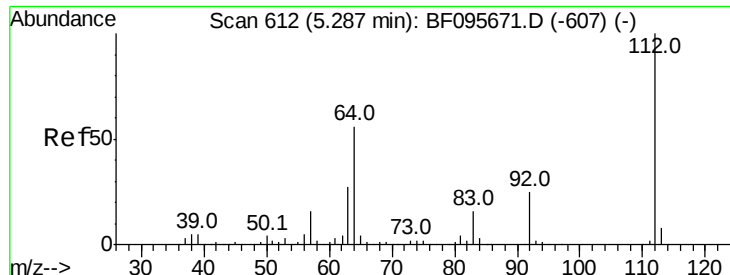


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 120.38 ng

RT: 5.16 min Scan# 625

Delta R.T. -0.02 min

Lab File: BF096146.D

Acq: 23 Jun 2017 5:23

Instrument :

BNA\_F

ClientSampleId :

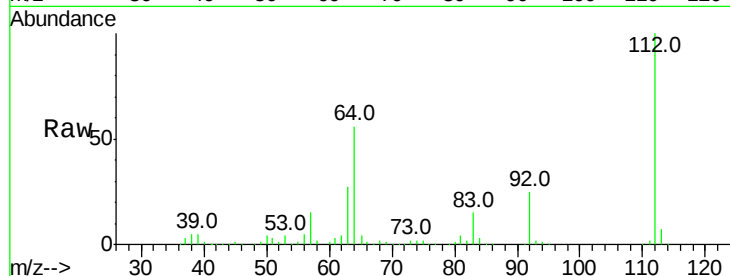
Tot Ion: 112 Resp: 648132

Ion Ratio Lower Upper

112 100

64 55.8 46.0 69.0

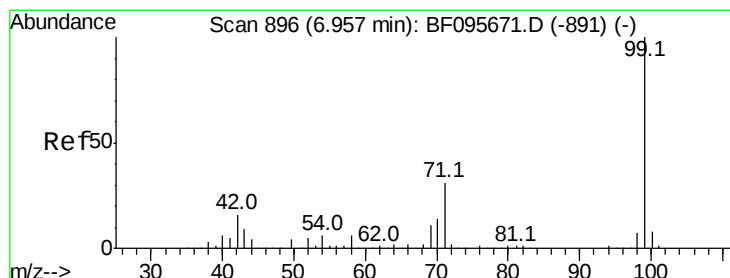
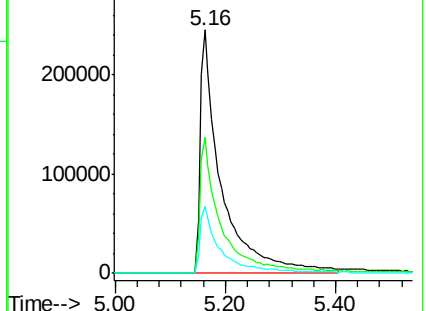
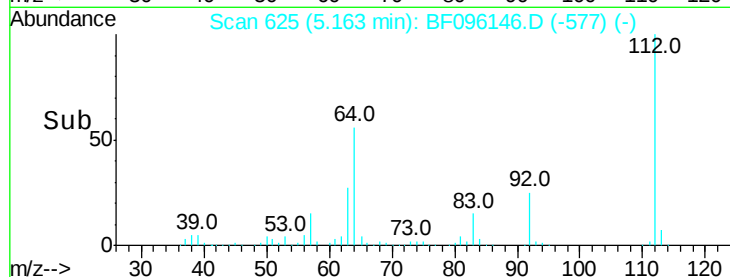
63 27.4 23.4 35.0



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: 124.72 ng

RT: 6.85 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF096146.D

Acq: 23 Jun 2017 5:23

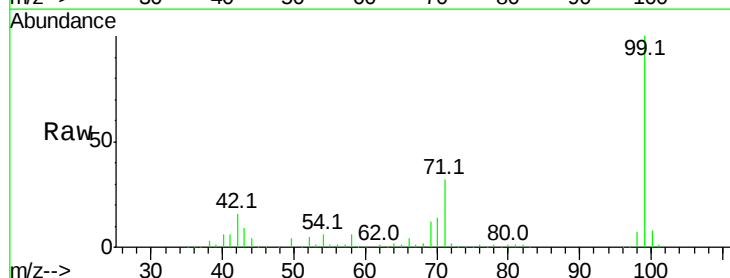
Tgt Ion: 99 Resp: 803893

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

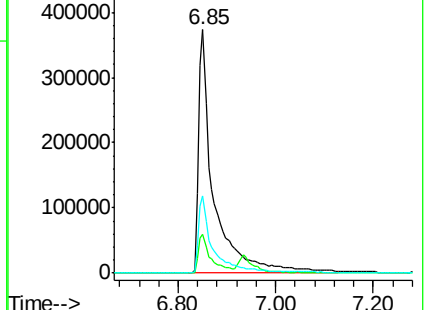
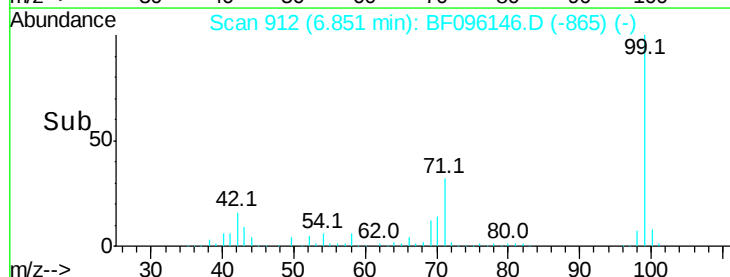
71 31.9 24.5 36.7

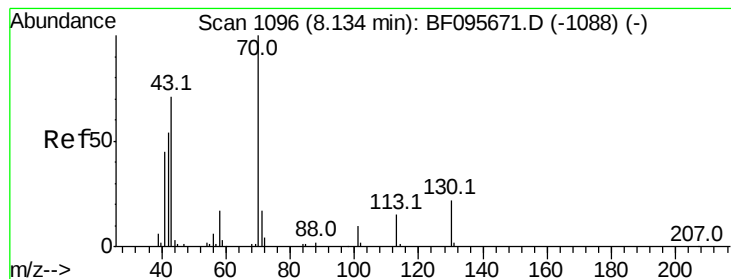


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 11.20 ng

RT: 8.20 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF096146.D

Acq: 23 Jun 2017 5:23

Instrument :

BNA\_F

ClientSampled :

Tot Ion: 70 Resp: 45765

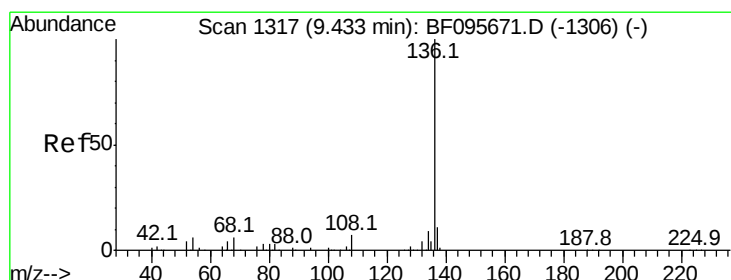
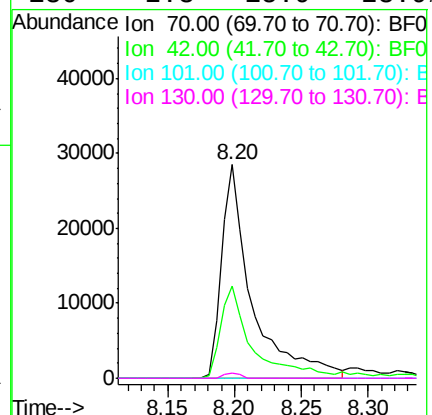
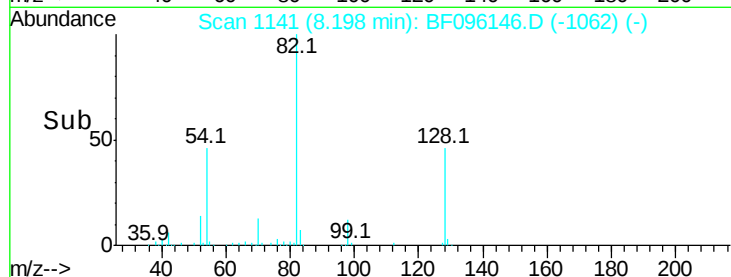
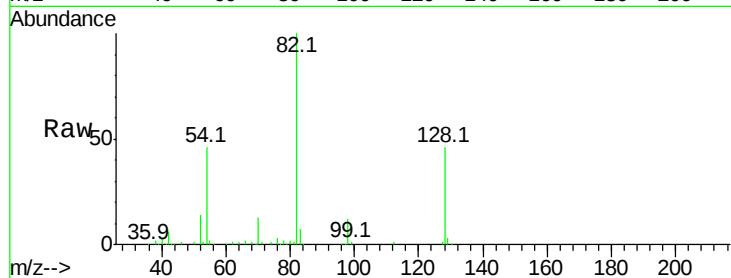
Ion Ratio Lower Upper

70 100

42 43.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.31 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF096146.D

Acq: 23 Jun 2017 5:23

Tgt Ion: 136 Resp: 296539

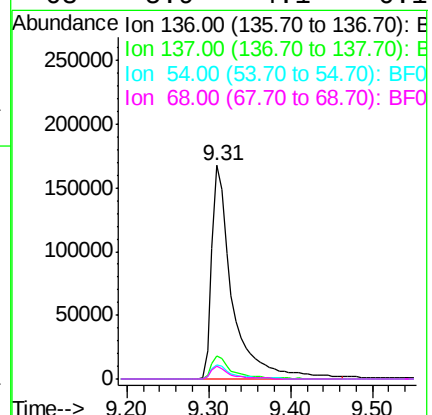
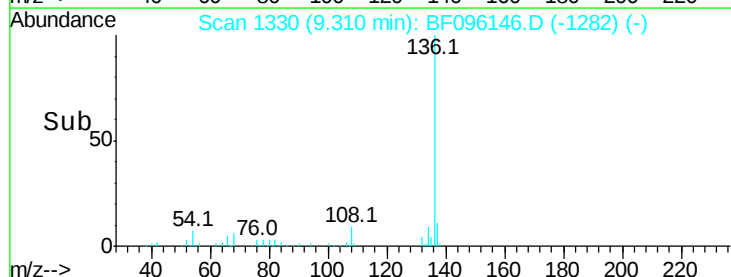
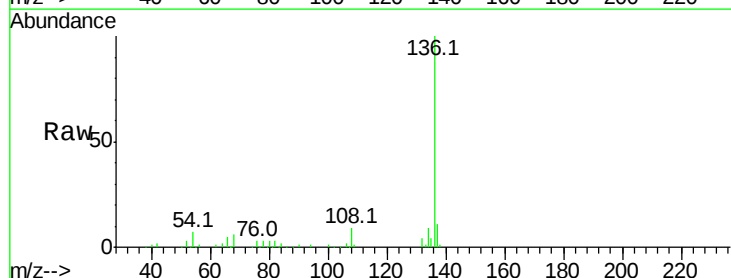
Ion Ratio Lower Upper

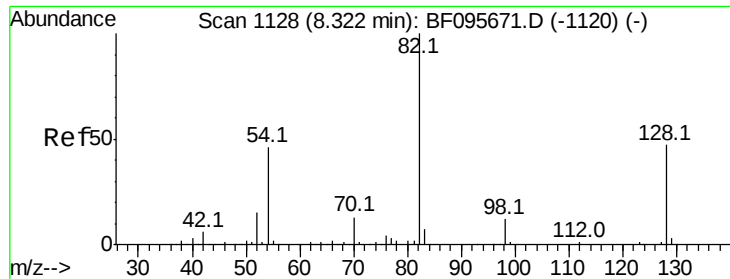
136 100

137 10.9 8.5 12.7

54 6.9 4.9 7.3

68 5.9 4.1 6.1

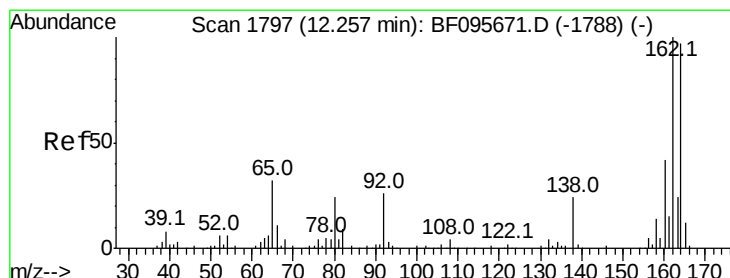
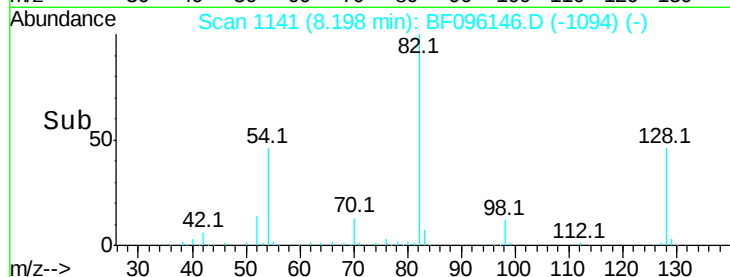
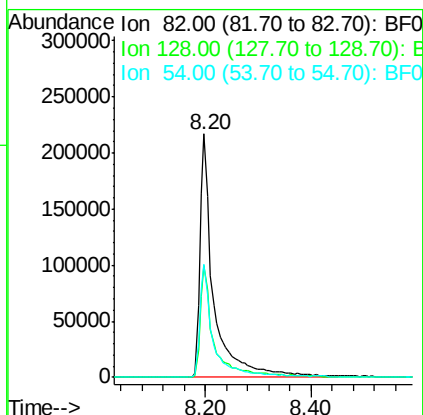
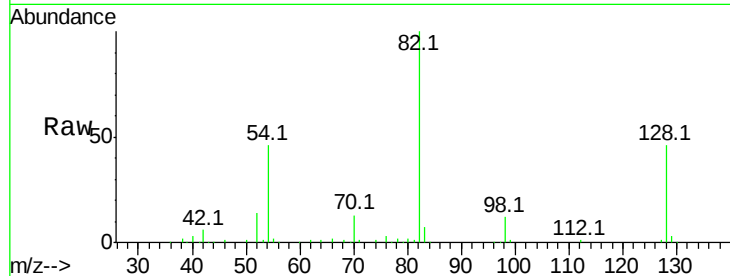




#23  
Nitrobenzene-d5  
Concen: 83.56 ng  
RT: 8.20 min Scan# 1141  
Delta R.T. -0.02 min  
Lab File: BF096146.D  
Acq: 23 Jun 2017 5:23

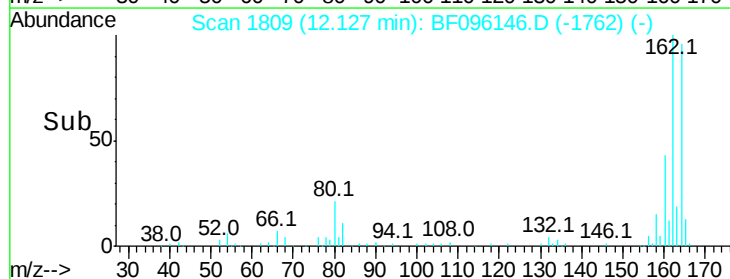
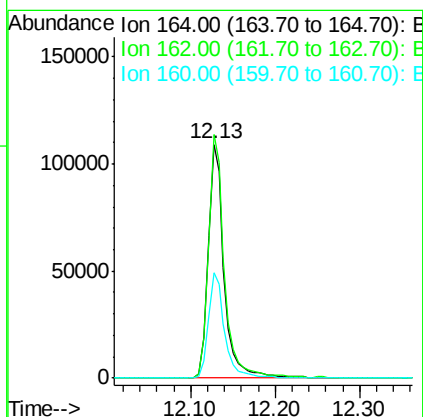
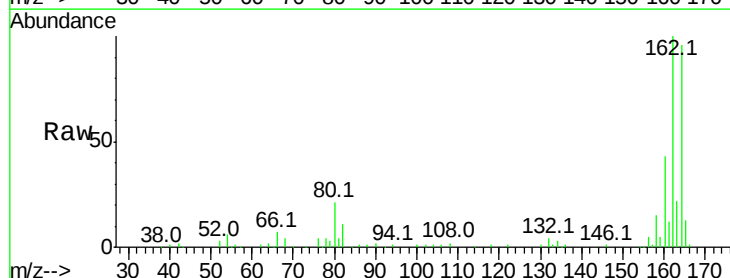
Instrument :  
BNA\_F  
ClientSampled :

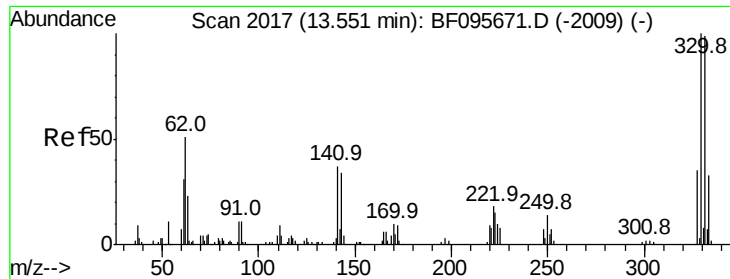
Tot Ion: 82 Resp: 398982  
Ion Ratio Lower Upper  
82 100  
128 46.0 34.0 51.0  
54 46.4 42.2 63.2



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.13 min Scan# 1809  
Delta R.T. -0.02 min  
Lab File: BF096146.D  
Acq: 23 Jun 2017 5:23

Tgt Ion:164 Resp: 144976  
Ion Ratio Lower Upper  
164 100  
162 104.1 82.6 123.8  
160 44.8 36.2 54.2

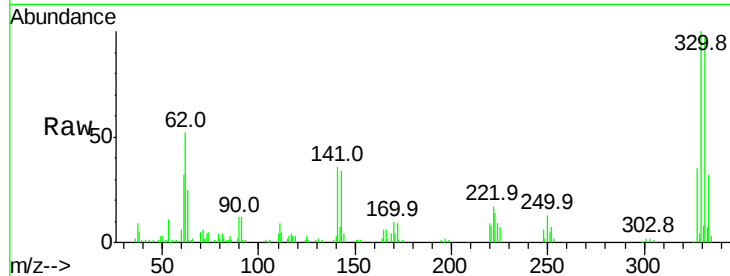




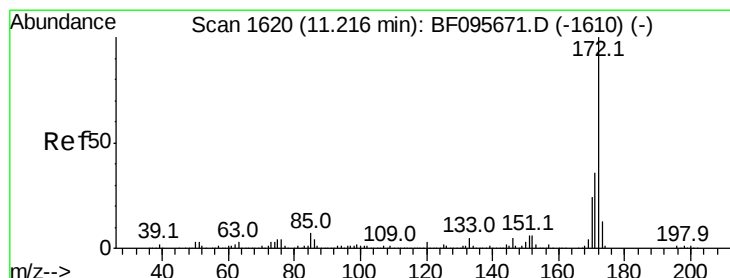
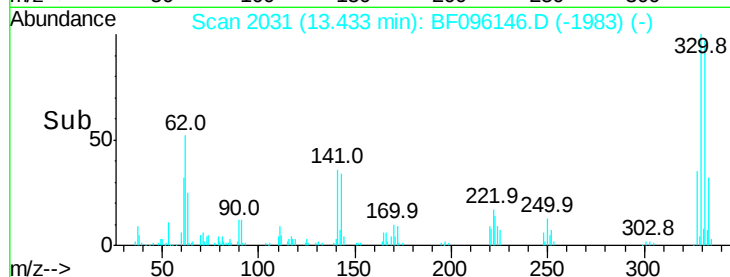
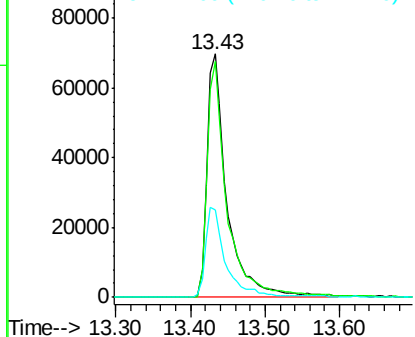
#41  
 2,4,6-Tribromophenol  
 Concen: 101.49 ng  
 RT: 13.43 min Scan# 2031  
 Delta R.T. -0.02 min  
 Lab File: BF096146.D  
 Acq: 23 Jun 2017 5:23

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 130179  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 76.6 115.0  
 141 36.9 31.4 47.2

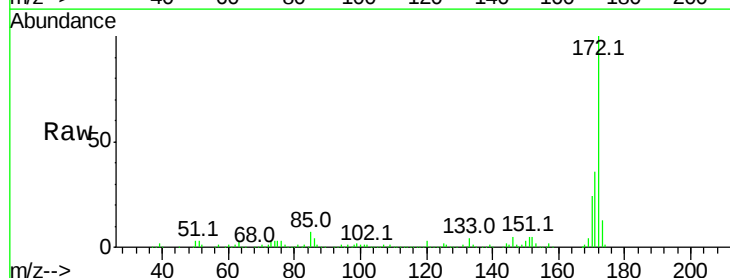


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

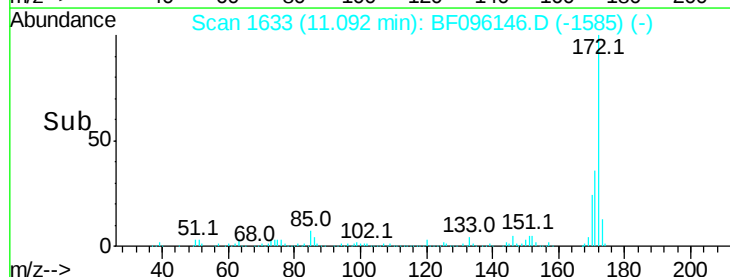
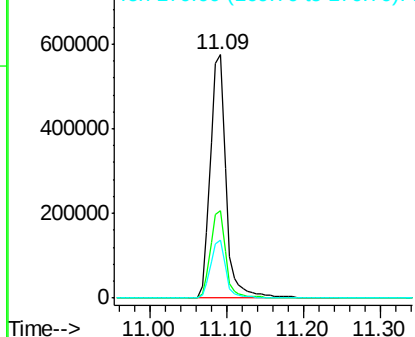


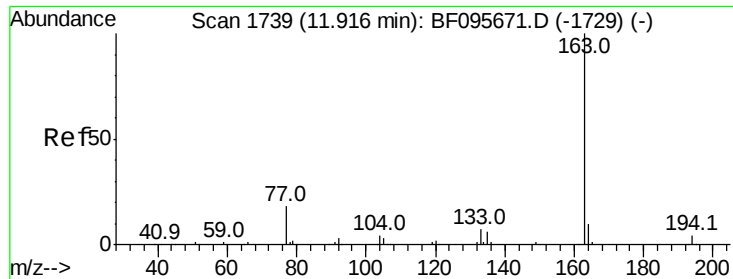
#44  
 2-Fluorobiphenyl  
 Concen: 77.03 ng  
 RT: 11.09 min Scan# 1633  
 Delta R.T. -0.02 min  
 Lab File: BF096146.D  
 Acq: 23 Jun 2017 5:23

Tgt Ion:172 Resp: 802537  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.6 44.4  
 170 23.7 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: 7.42 ng

RT: 11.80 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096146.D

Acq: 23 Jun 2017 5:23

Instrument :

BNA\_F

ClientSampled :

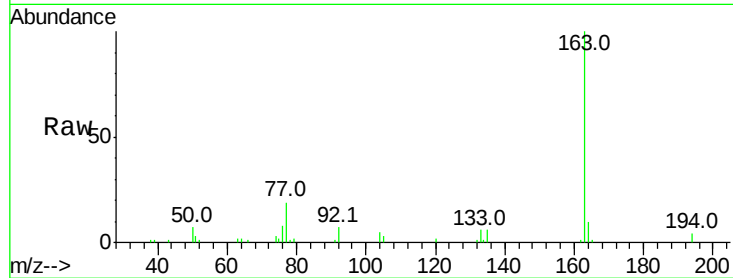
Tot Ion:163 Resp: 81726

Ion Ratio Lower Upper

163 100

194 3.9 2.6 4.0

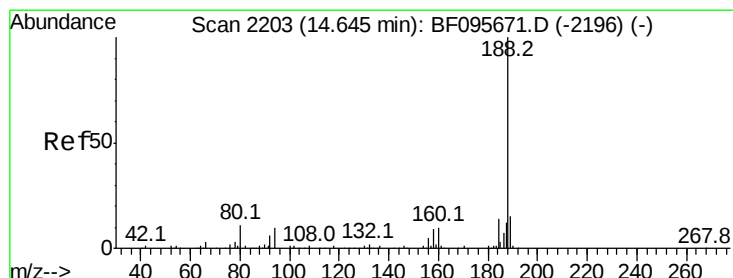
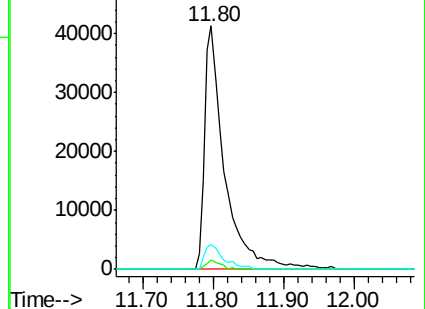
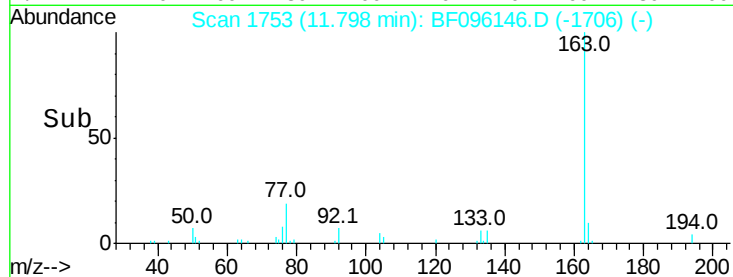
164 10.2 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.53 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF096146.D

Acq: 23 Jun 2017 5:23

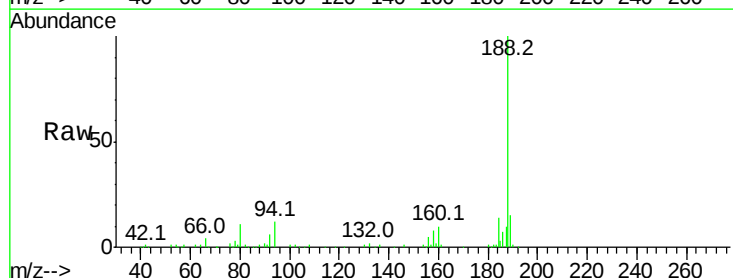
Tgt Ion:188 Resp: 232733

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

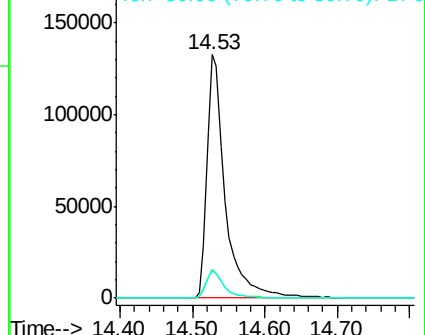
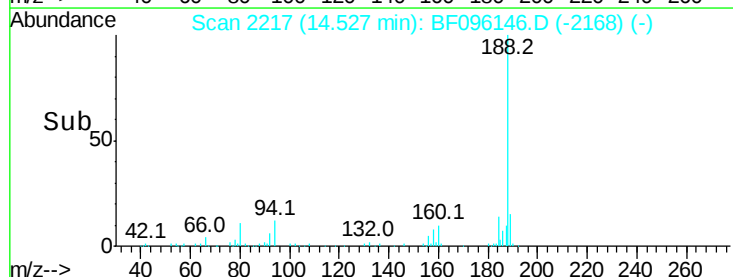
80 11.4 10.2 15.2



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

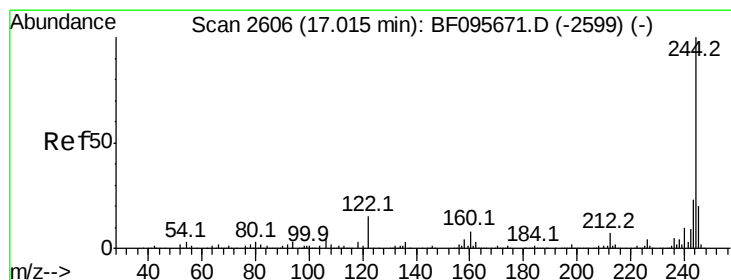
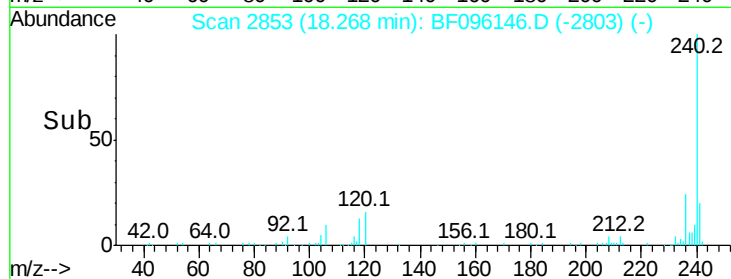
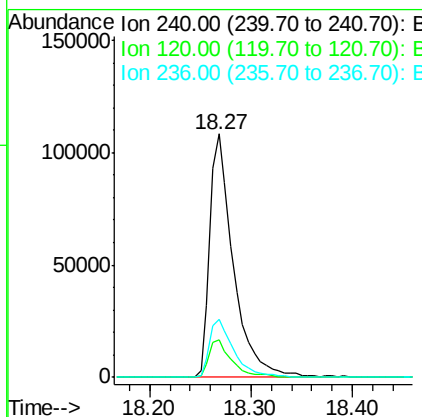
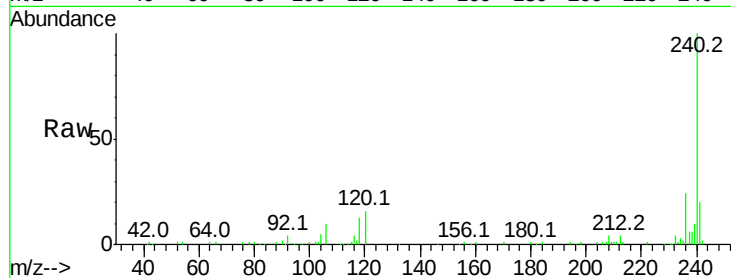




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.27 min Scan# 2853  
 Delta R.T. -0.01 min  
 Lab File: BF096146.D  
 Acq: 23 Jun 2017 5:23

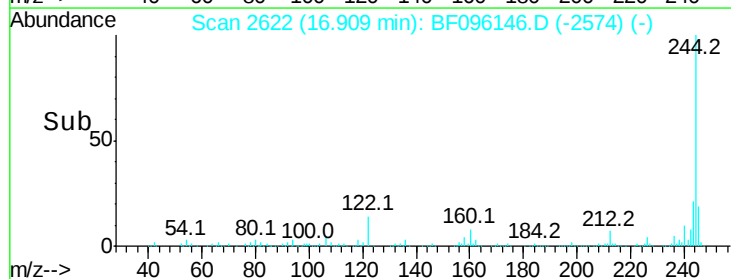
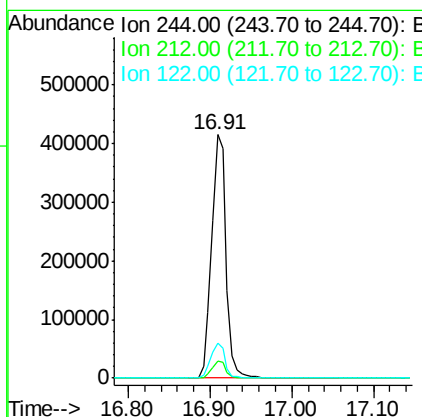
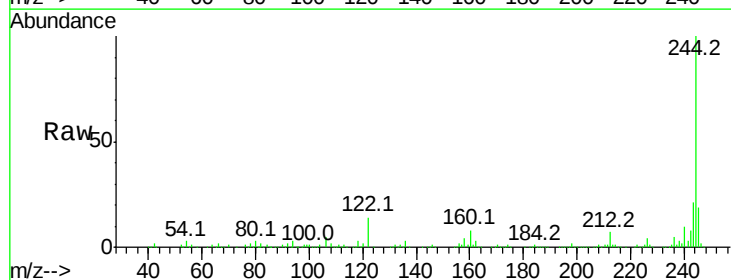
Instrument :  
 BNA\_F  
 ClientSampleID :

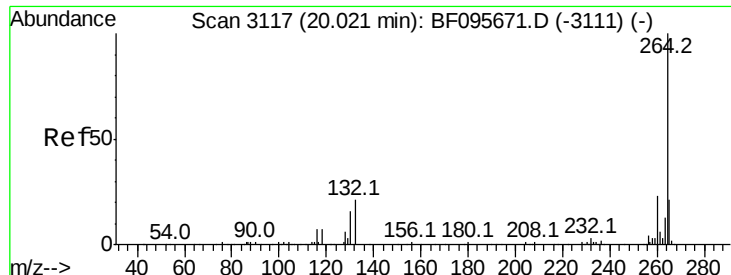
Tot Ion:240 Resp: 175838  
 Ion Ratio Lower Upper  
 240 100  
 120 15.5 5.8 8.8#  
 236 24.0 20.5 30.7



#78  
 Terphenyl-d14  
 Concen: 71.79 ng  
 RT: 16.91 min Scan# 2622  
 Delta R.T. -0.02 min  
 Lab File: BF096146.D  
 Acq: 23 Jun 2017 5:23

Tgt Ion:244 Resp: 508645  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.0 9.0  
 122 14.5 10.3 15.5

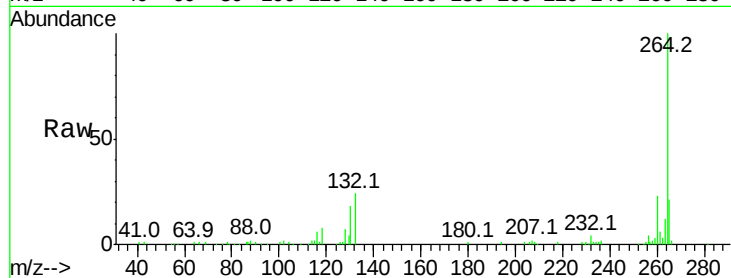




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 19.94 min Scan# 3138  
 Delta R.T. 0.01 min  
 Lab File: BF096146.D  
 Acq: 23 Jun 2017 5:23

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.5  | 29.3  |
| 265     | 21.3  | 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

