

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\  
 Data File : BF094954.D  
 Acq On : 6 May 2017 11:20  
 Operator : SJ/MA  
 Sample : I2947-08  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 08 07:54:49 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 Response via : Initial Calibration

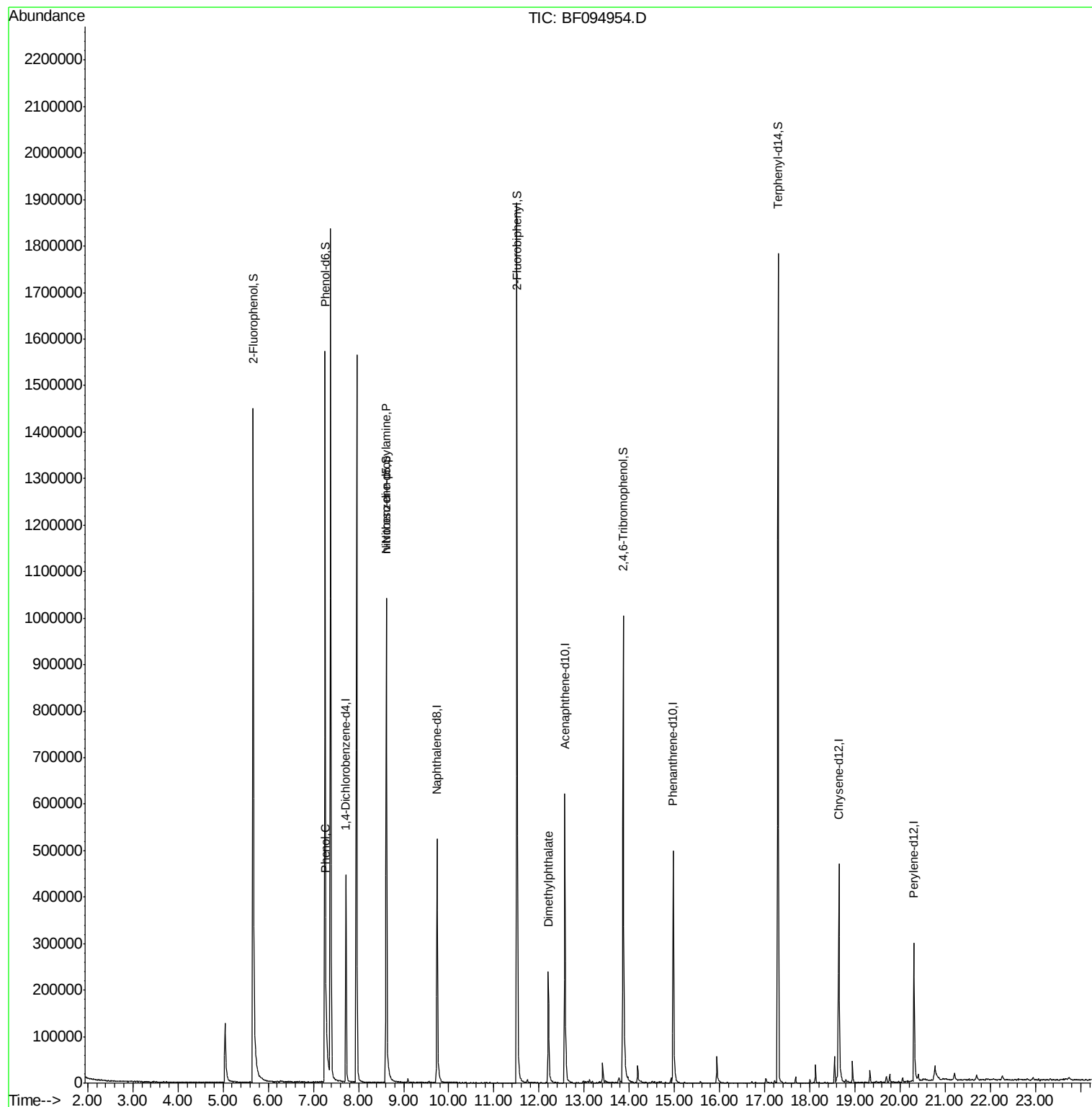
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.72  | 152  | 96861    | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8             | 9.74  | 136  | 396706   | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10           | 12.57 | 164  | 187997   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10           | 14.97 | 188  | 314875   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12               | 18.64 | 240  | 253983   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12               | 20.31 | 264  | 164574   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.67  | 112  | 690557   | 118.86 | ng    | -0.01     |
| 7) Phenol-d6                   | 7.26  | 99   | 862921   | 123.79 | ng    | -0.02     |
| 23) Nitrobenzene-d5            | 8.62  | 82   | 500673   | 79.58  | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol       | 13.87 | 330  | 189184   | 122.88 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl           | 11.51 | 172  | 859291   | 65.79  | ng    | -0.02     |
| 78) Terphenyl-d14              | 17.29 | 244  | 711777   | 61.73  | ng    | -0.02     |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 7.28  | 94   | 23038    | 3.14   | ng    | Qvalue 82 |
| 19) n-Nitroso-di-n-propylamine | 8.62  | 70   | 63460    | 13.46  | ng    | # 77      |
| 49) Dimethylphthalate          | 12.21 | 163  | 163358   | 10.58  | ng    | 99        |

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

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QLast Update : Wed May 03 17:24:51 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.72 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF094954.D

Acq: 6 May 2017 11:20

Instrument :

BNA\_F

ClientSampleId :

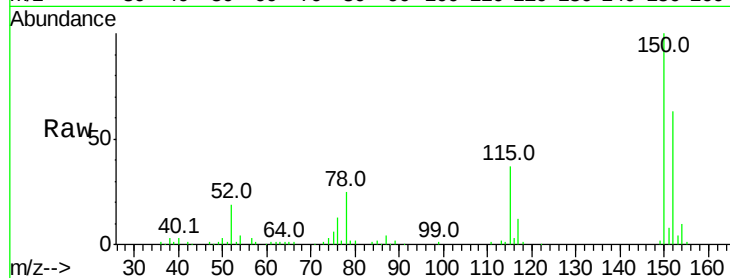
Tot Ion:152 Resp: 96861

Ion Ratio Lower Upper

152 100

150 157.9 126.2 189.2

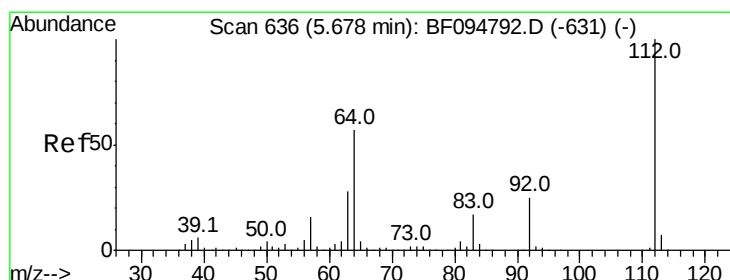
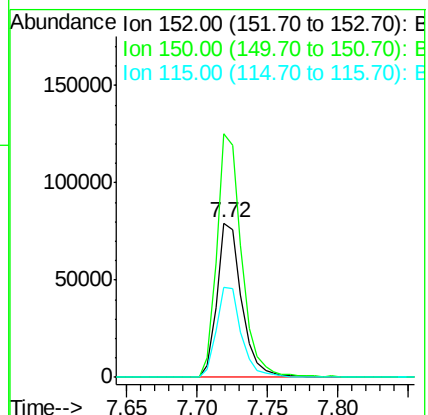
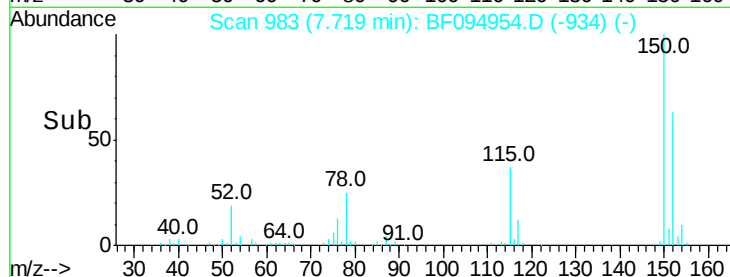
115 58.3 52.2 78.2



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: 118.86 ng

RT: 5.67 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF094954.D

Acq: 6 May 2017 11:20

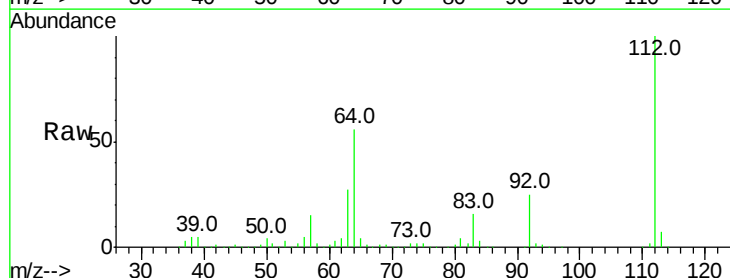
Tgt Ion:112 Resp: 690557

Ion Ratio Lower Upper

112 100

64 56.4 46.0 69.0

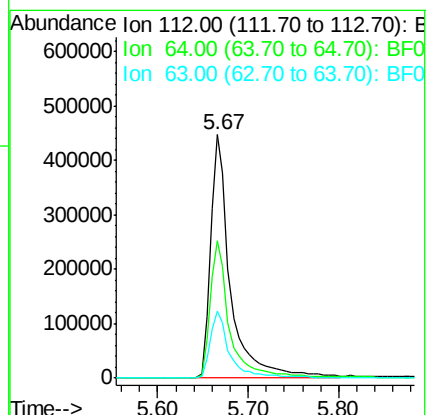
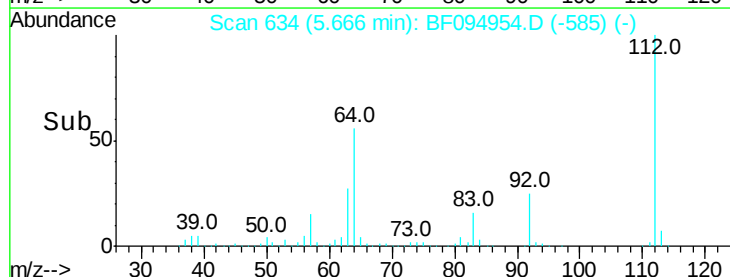
63 27.4 23.4 35.0



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: 123.79 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094954.D

Acq: 6 May 2017 11:20

Instrument :

BNA\_F

ClientSampled :

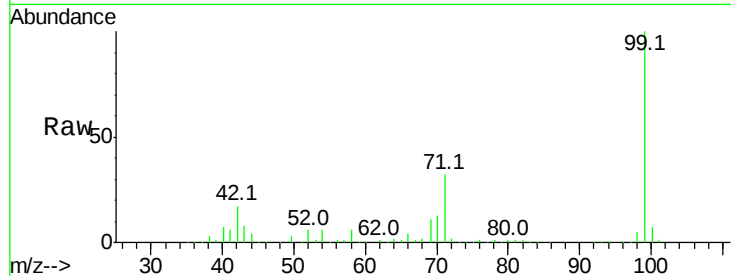
Tot Ion: 99 Resp: 862921

Ion Ratio Lower Upper

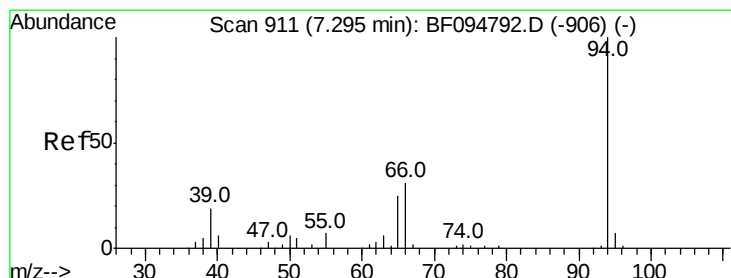
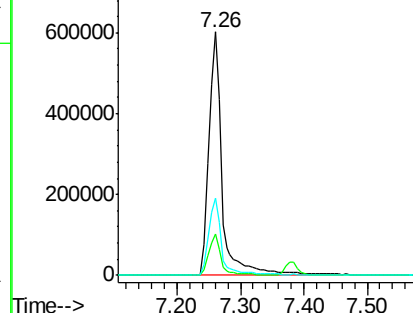
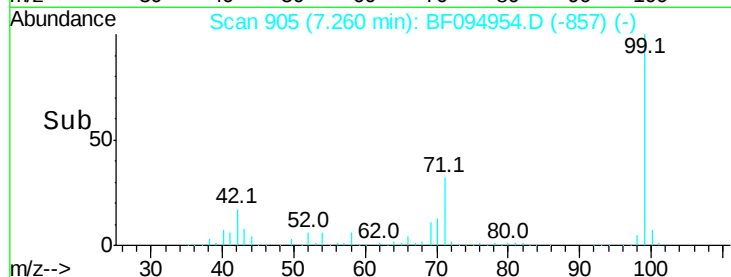
99 100

42 17.0 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



#10

Phenol

Concen: 3.14 ng

RT: 7.28 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF094954.D

Acq: 6 May 2017 11:20

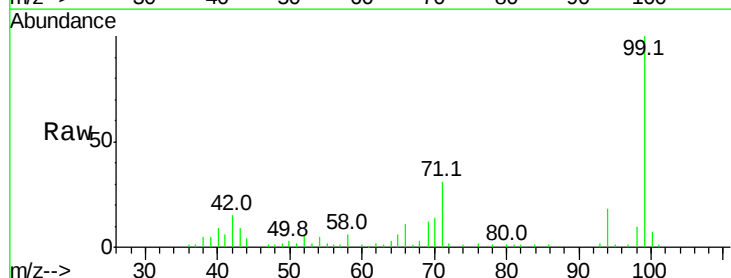
Tgt Ion: 94 Resp: 23038

Ion Ratio Lower Upper

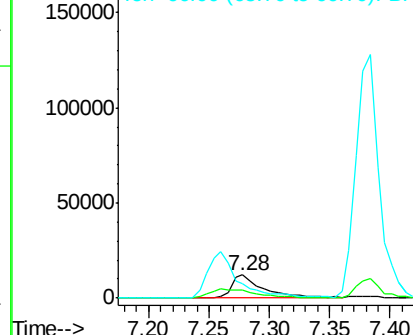
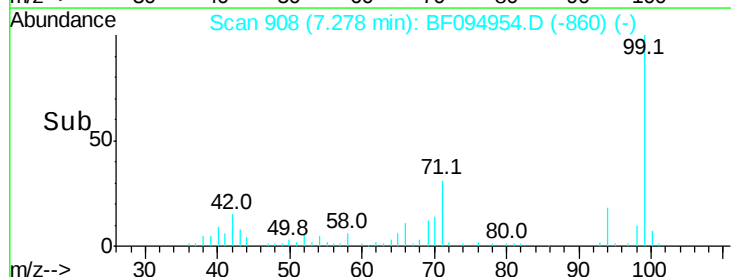
94 100

65 32.1 9.9 49.9

66 60.6 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: 13.46 ng

RT: 8.62 min Scan# 1136

Delta R.T. 0.18 min

Lab File: BF094954.D

Acq: 6 May 2017 11:20

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 63460

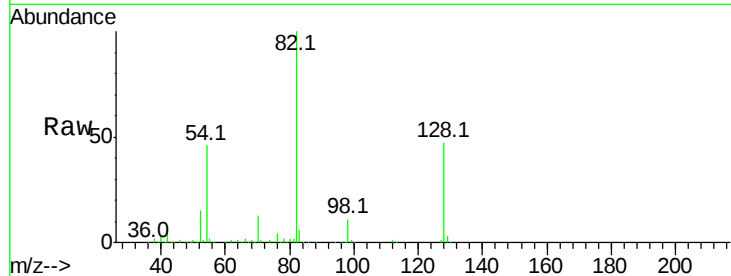
Ion Ratio Lower Upper

70 100

42 45.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

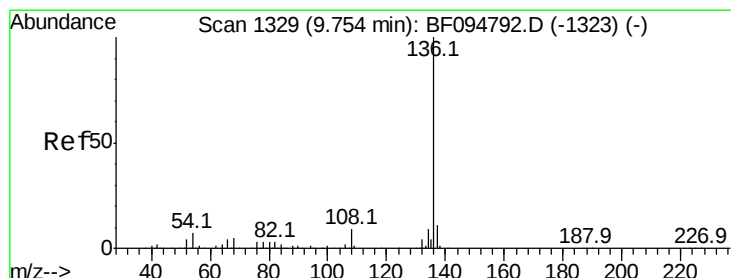
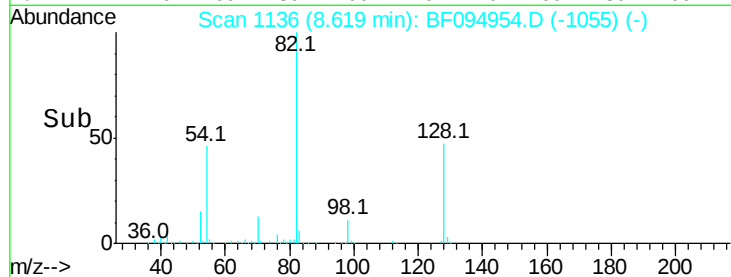
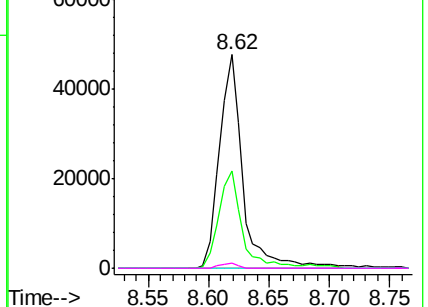


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.74 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF094954.D

Acq: 6 May 2017 11:20

Tgt Ion: 136 Resp: 396706

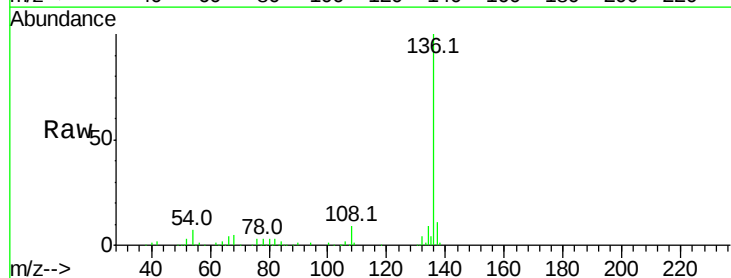
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 6.5 4.9 7.3

68 5.4 4.1 6.1

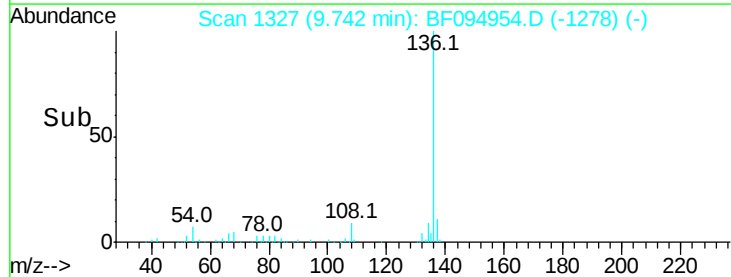
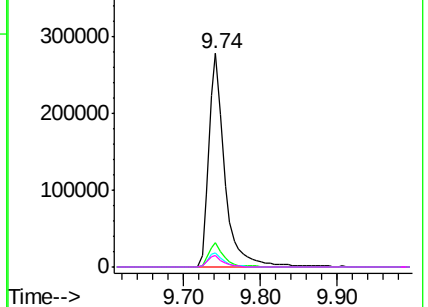


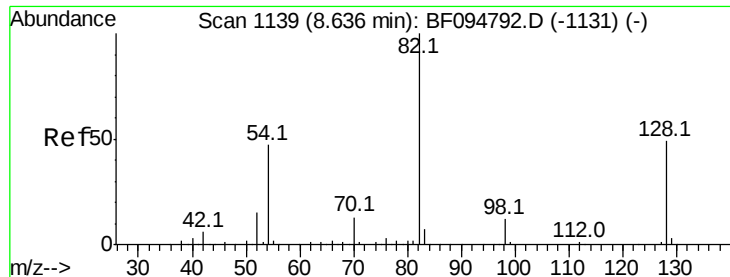
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

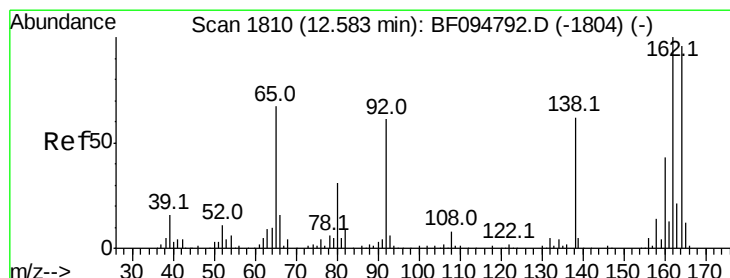
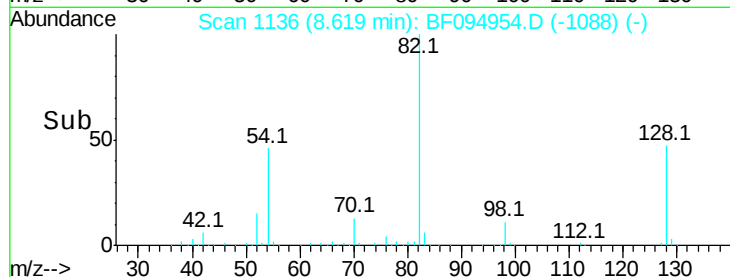
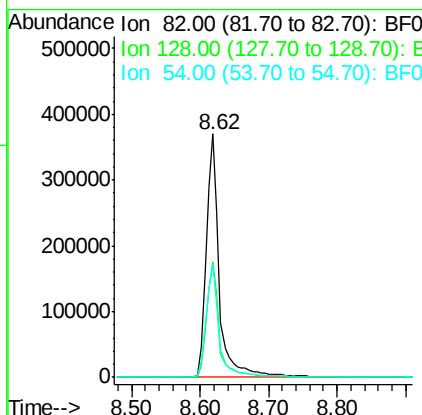
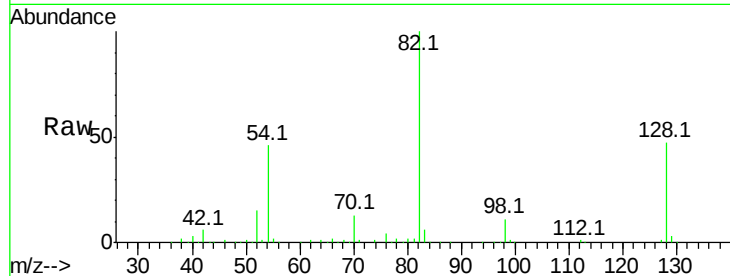




#23  
 Nitrobenzene-d5  
 Concen: 79.58 ng  
 RT: 8.62 min Scan# 1136  
 Delta R.T. -0.02 min  
 Lab File: BF094954.D  
 Acq: 6 May 2017 11:20

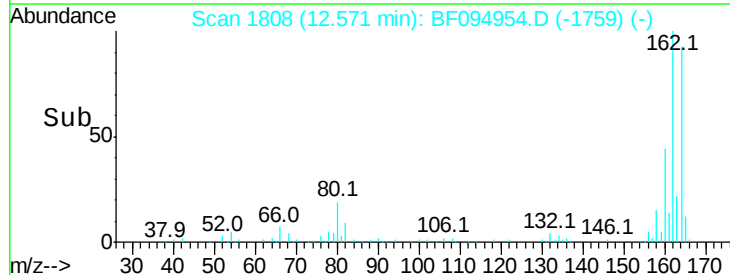
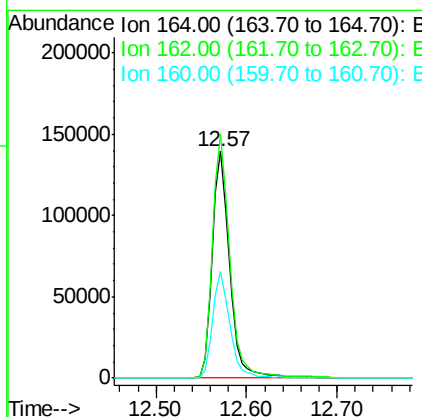
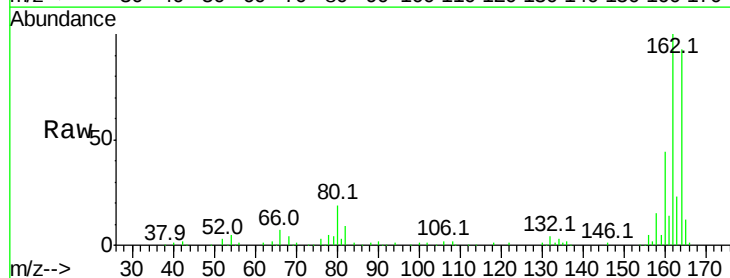
Instrument :  
 BNA\_F  
 ClientSampleID :

Tot Ion: 82 Resp: 500673  
 Ion Ratio Lower Upper  
 82 100  
 128 47.3 34.0 51.0  
 54 46.4 42.2 63.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.57 min Scan# 1808  
 Delta R.T. -0.01 min  
 Lab File: BF094954.D  
 Acq: 6 May 2017 11:20

Tgt Ion:164 Resp: 187997  
 Ion Ratio Lower Upper  
 164 100  
 162 107.4 82.6 123.8  
 160 46.9 36.2 54.2

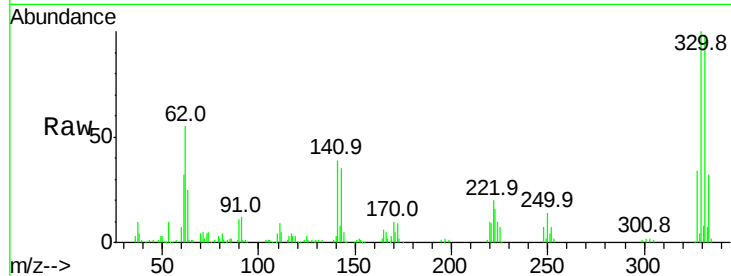




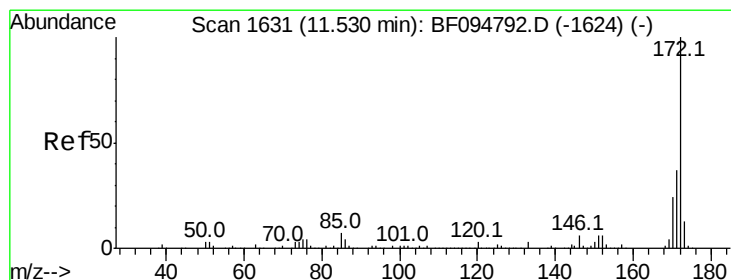
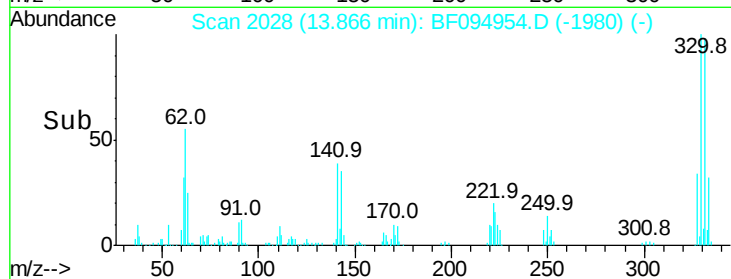
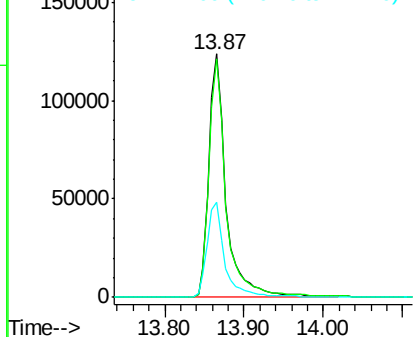
#41  
 2,4,6-Tribromophenol  
 Concen: 122.88 ng  
 RT: 13.87 min Scan# 2028  
 Delta R.T. -0.02 min  
 Lab File: BF094954.D  
 Acq: 6 May 2017 11:20

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 76.6  | 115.0 |
| 141     | 40.7  | 31.4  | 47.2  |

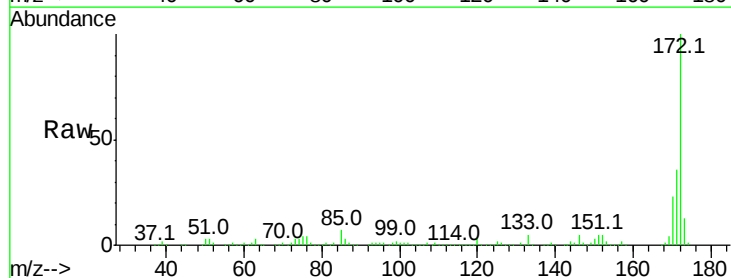


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

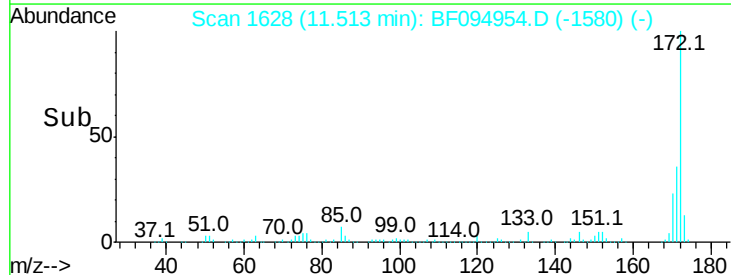
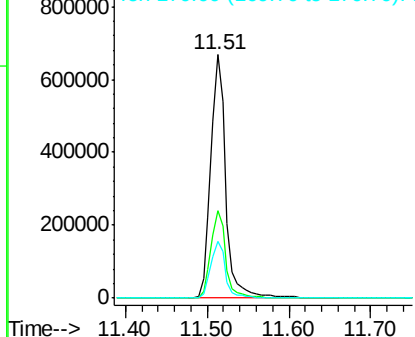


#44  
 2-Fluorobiphenyl  
 Concen: 65.79 ng  
 RT: 11.51 min Scan# 1628  
 Delta R.T. -0.02 min  
 Lab File: BF094954.D  
 Acq: 6 May 2017 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.6  | 44.4  |
| 170     | 23.3  | 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: 10.58 ng

RT: 12.21 min Scan# 1746

Delta R.T. -0.02 min

Lab File: BF094954.D

Acq: 6 May 2017 11:20

Instrument :

BNA\_F

ClientSampleId :

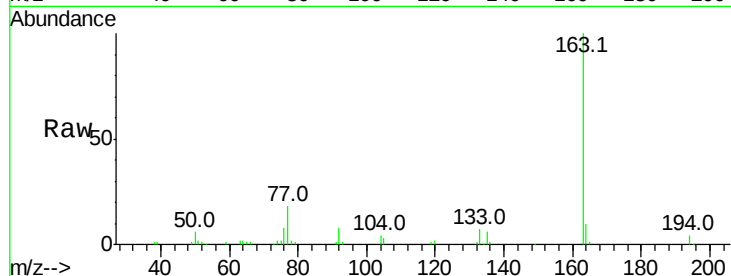
Tot Ion:163 Resp: 163358

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

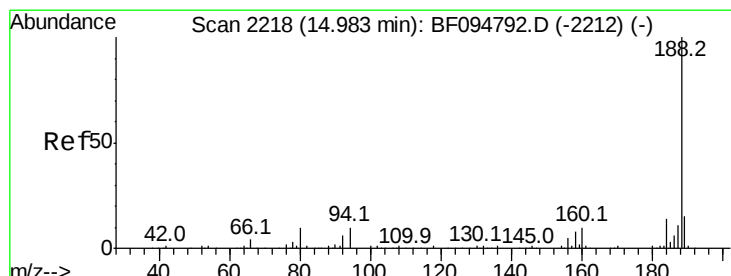
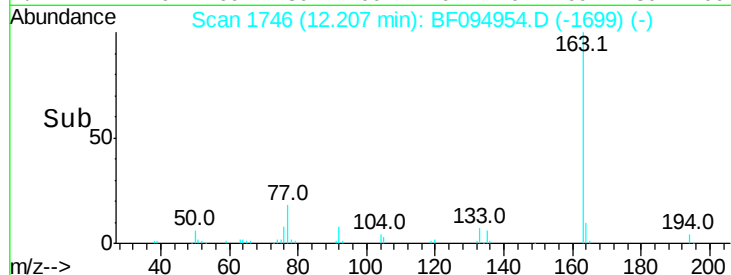
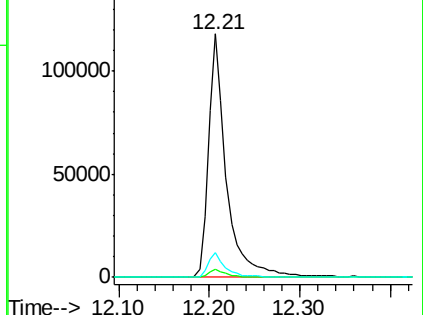
164 10.1 8.4 12.6



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: 14.97 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BF094954.D

Acq: 6 May 2017 11:20

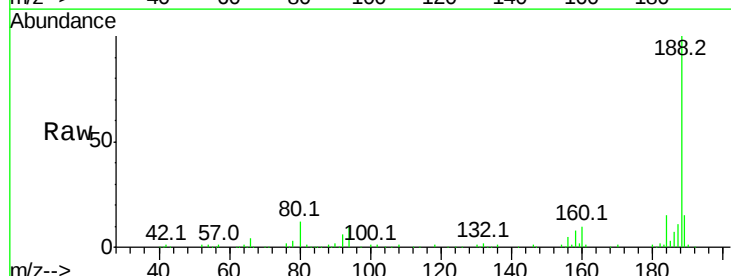
Tgt Ion:188 Resp: 314875

Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.2

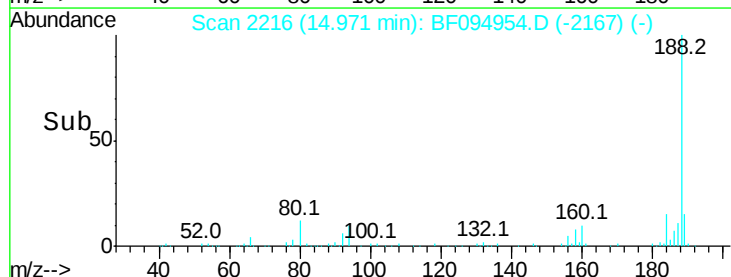
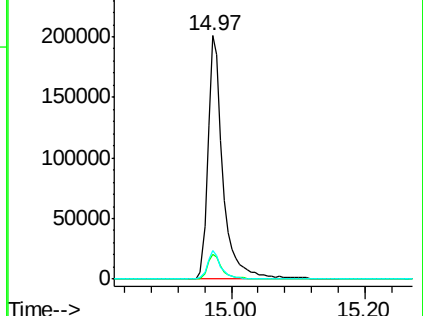
80 11.7 10.2 15.2



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

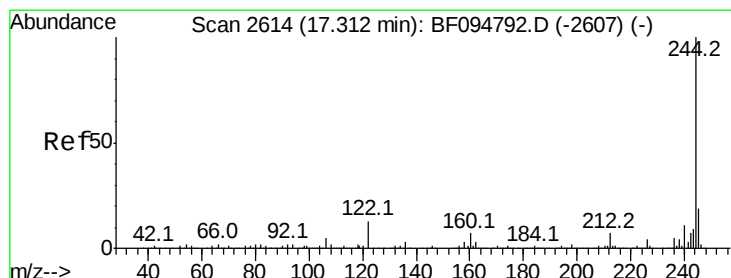
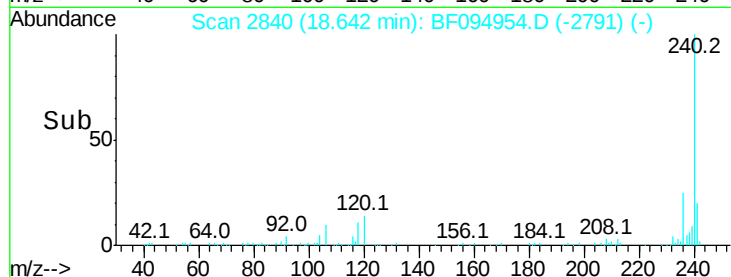
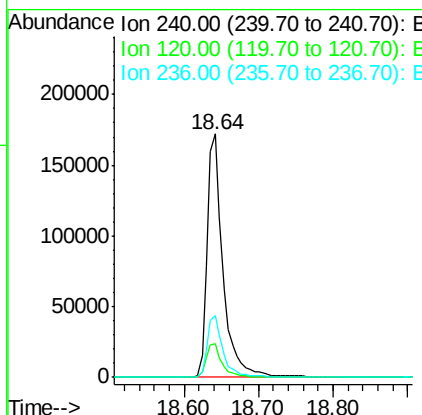
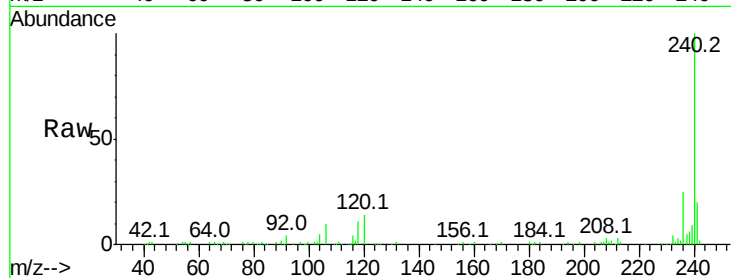




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.64 min Scan# 2840  
 Delta R.T. -0.01 min  
 Lab File: BF094954.D  
 Acq: 6 May 2017 11:20

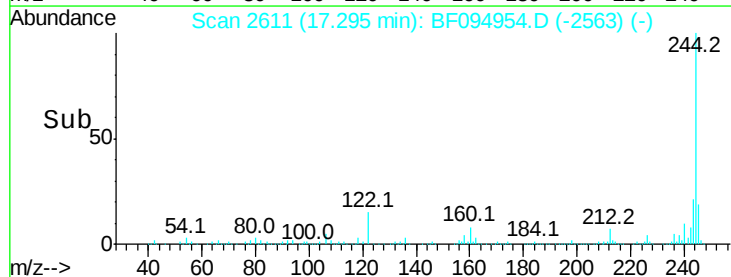
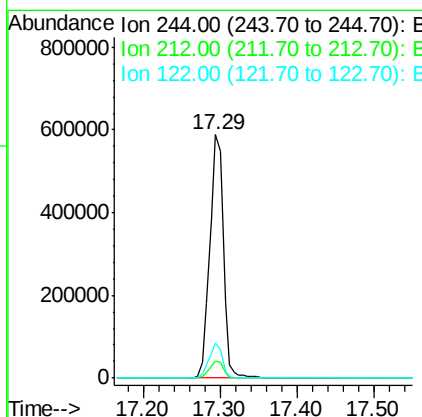
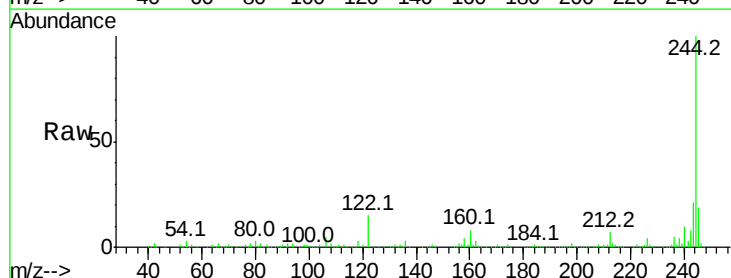
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:240 Resp: 253983  
 Ion Ratio Lower Upper  
 240 100  
 120 13.6 5.8 8.8#  
 236 25.4 20.5 30.7



#78  
 Terphenyl-d14  
 Concen: 61.73 ng  
 RT: 17.29 min Scan# 2611  
 Delta R.T. -0.02 min  
 Lab File: BF094954.D  
 Acq: 6 May 2017 11:20

Tgt Ion:244 Resp: 711777  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 14.6 10.3 15.5

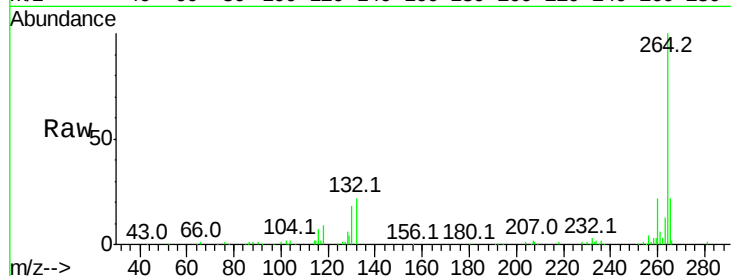




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 20.31 min Scan# 3123  
 Delta R.T. -0.01 min  
 Lab File: BF094954.D  
 Acq: 6 May 2017 11:20

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.9  | 19.5  | 29.3  |
| 265     | 21.9  | 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

