

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\  
 Data File : BF095002.D  
 Acq On : 9 May 2017 3:02  
 Operator : SJ/MA  
 Sample : I2976-05  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 09 07:04:58 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

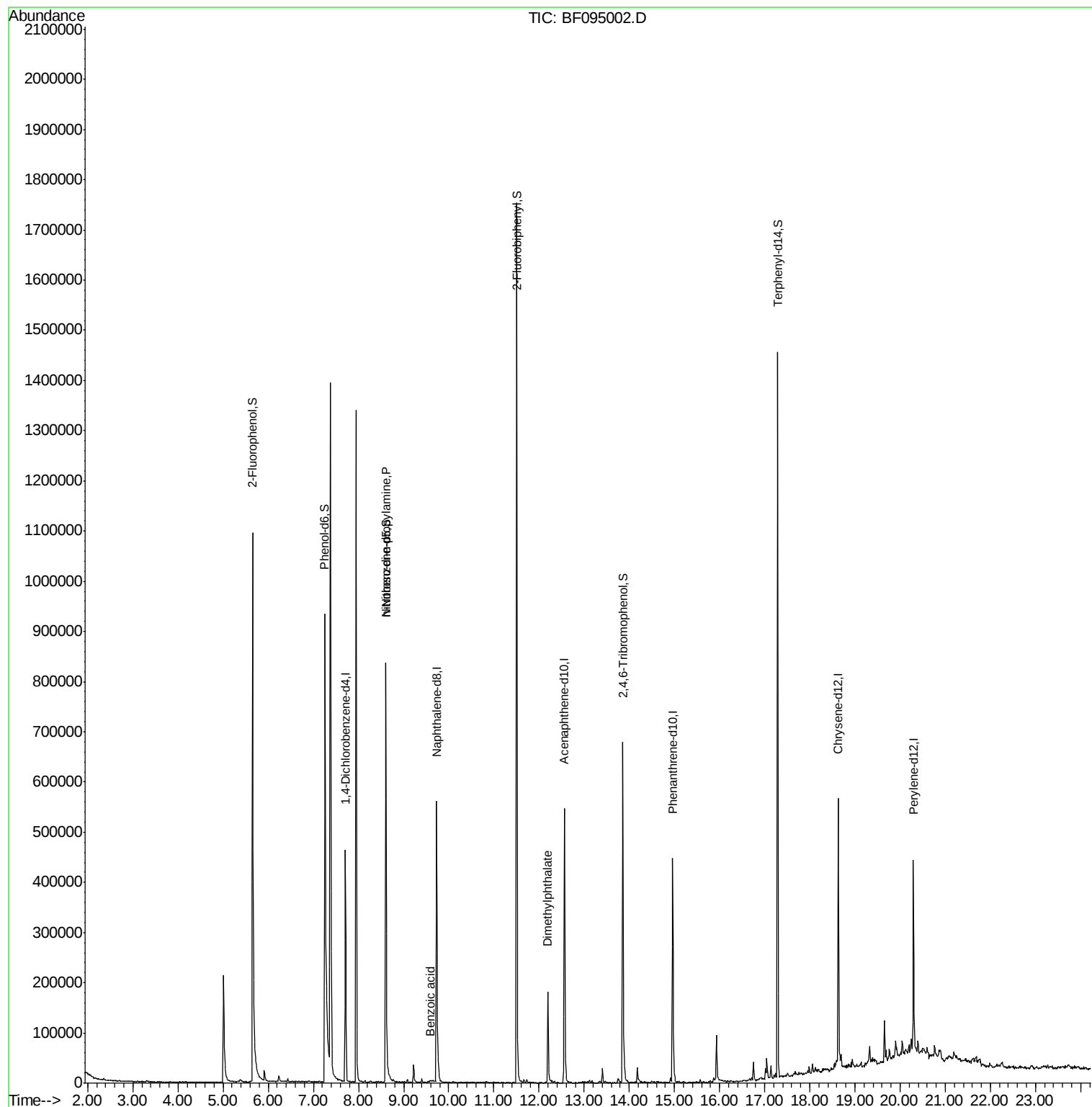
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.71  | 152  | 94649    | 20.00  | ng    | -0.02       |
| 21) Naphthalene-d8             | 9.73  | 136  | 384433   | 20.00  | ng    | -0.02       |
| 38) Acenaphthene-d10           | 12.56 | 164  | 167281   | 20.00  | ng    | -0.02       |
| 63) Phenanthrene-d10           | 14.96 | 188  | 243283   | 20.00  | ng    | -0.02       |
| 75) Chrysene-d12               | 18.63 | 240  | 208646   | 20.00  | ng    | -0.02       |
| 86) Perylene-d12               | 20.29 | 264  | 160115   | 20.00  | ng    | -0.02       |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.65  | 112  | 578545   | 101.91 | ng    | -0.02       |
| 7) Phenol-d6                   | 7.25  | 99   | 735432   | 107.97 | ng    | -0.02       |
| 23) Nitrobenzene-d5            | 8.61  | 82   | 411971   | 67.58  | ng    | -0.03       |
| 41) 2,4,6-Tribromophenol       | 13.86 | 330  | 125406   | 91.54  | ng    | -0.02       |
| 44) 2-Fluorobiphenyl           | 11.51 | 172  | 755971   | 65.05  | ng    | -0.02       |
| 78) Terphenyl-d14              | 17.29 | 244  | 513165   | 54.17  | ng    | -0.02       |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 8.61  | 70   | 51948    | 11.28  | ng    | Qvalue # 76 |
| 32) Benzoic acid               | 9.59  | 122  | 764      | 5.27   | ng    | 88          |
| 49) Dimethylphthalate          | 12.20 | 163  | 116090   | 8.45   | ng    | 98          |

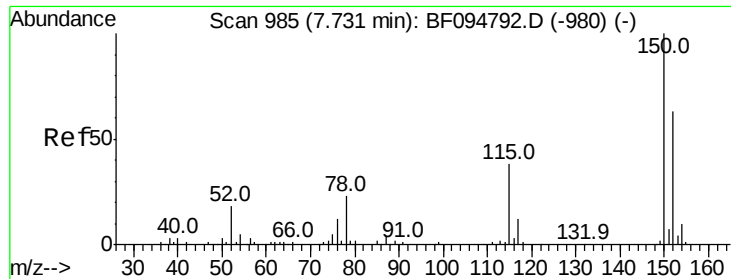
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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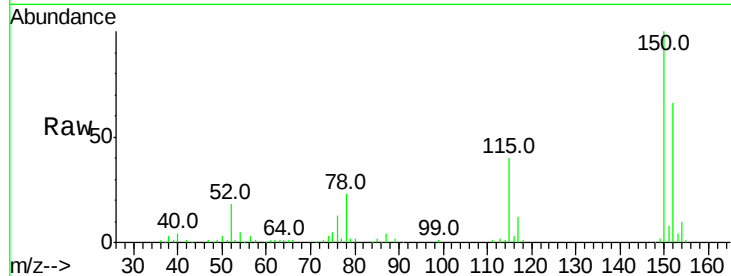


#1

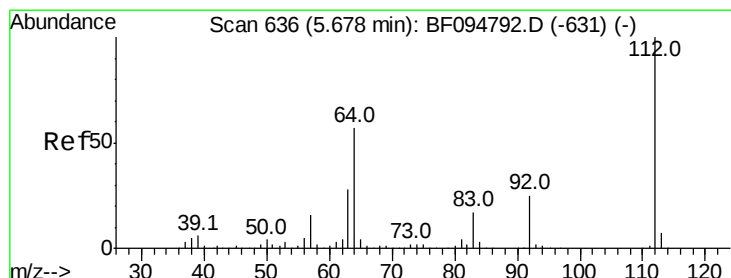
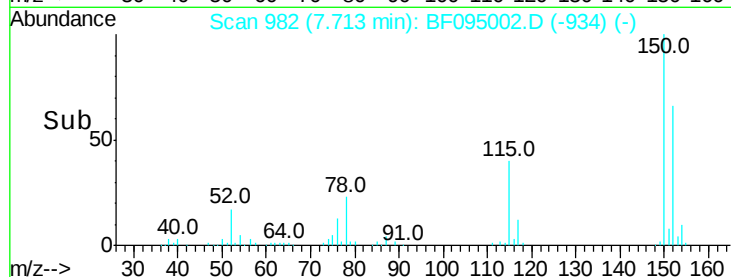
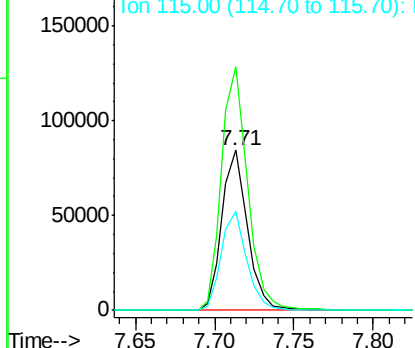
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.71 min Scan# 982  
Delta R.T. -0.02 min  
Lab File: BF095002.D  
Acq: 9 May 2017 3:02

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 94649  
Ion Ratio Lower Upper  
152 100  
150 152.2 126.2 189.2  
115 61.6 52.2 78.2



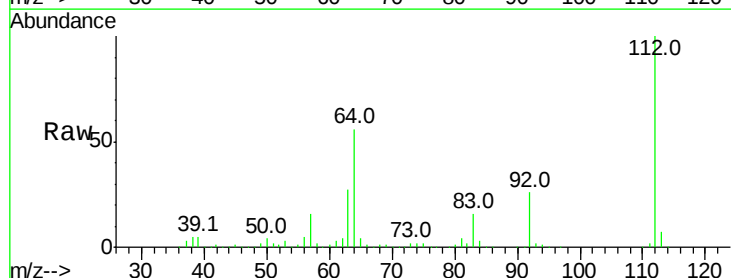
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



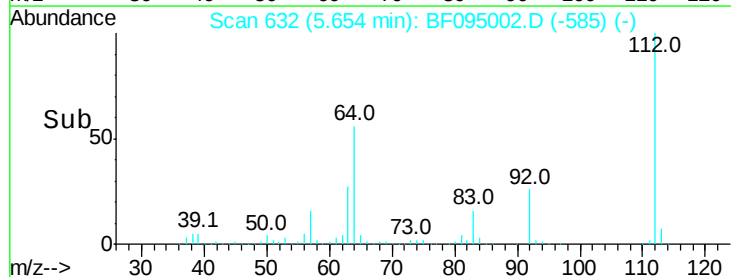
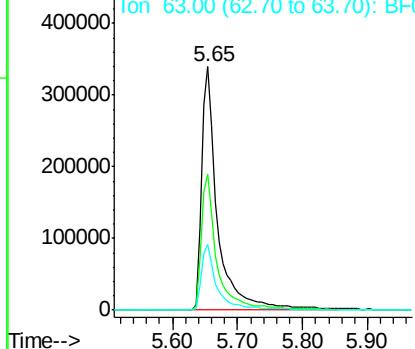
#5

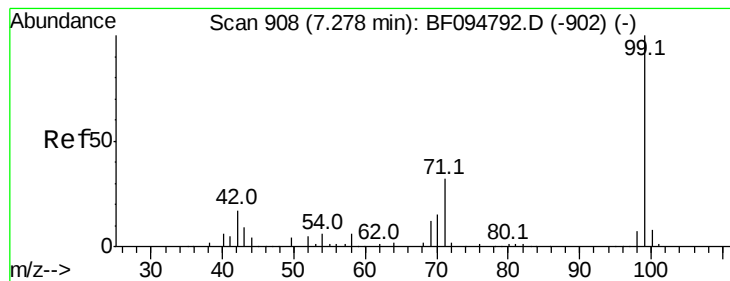
2-Fluorophenol  
Concen: 101.91 ng  
RT: 5.65 min Scan# 632  
Delta R.T. -0.02 min  
Lab File: BF095002.D  
Acq: 9 May 2017 3:02

Tgt Ion:112 Resp: 578545  
Ion Ratio Lower Upper  
112 100  
64 55.7 46.0 69.0  
63 27.0 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: 107.97 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF095002.D

Acq: 9 May 2017 3:02

Instrument :

BNA\_F

ClientSampled :

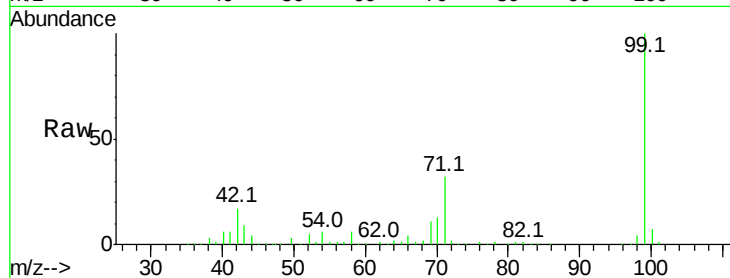
Tot Ion: 99 Resp: 735432

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

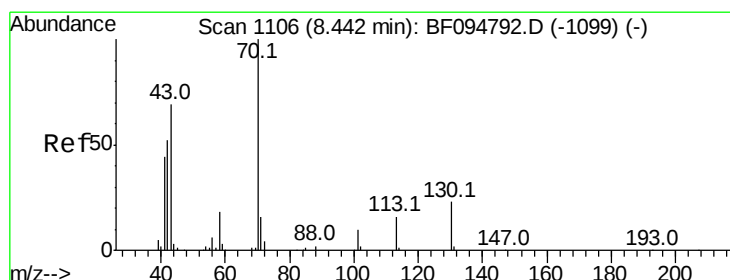
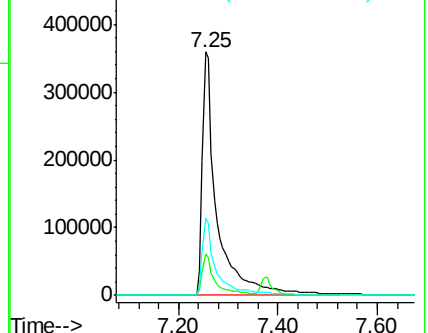
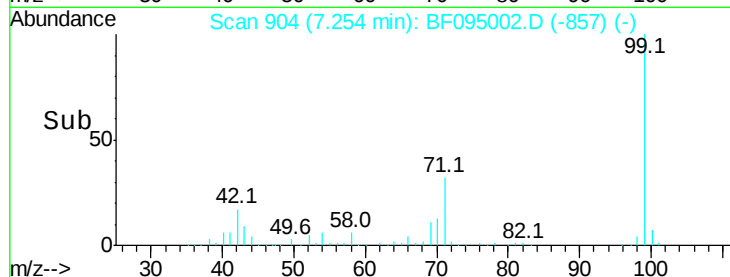
71 31.8 24.5 36.7



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: 11.28 ng

RT: 8.61 min Scan# 1134

Delta R.T. 0.16 min

Lab File: BF095002.D

Acq: 9 May 2017 3:02

Tgt Ion: 70 Resp: 51948

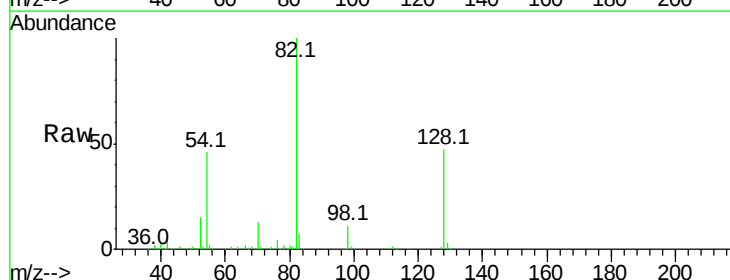
Ion Ratio Lower Upper

70 100

42 44.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

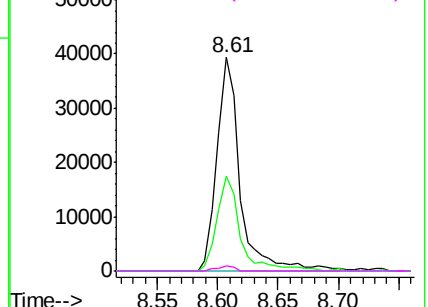
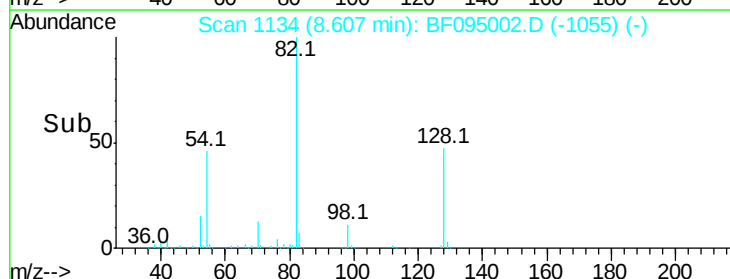


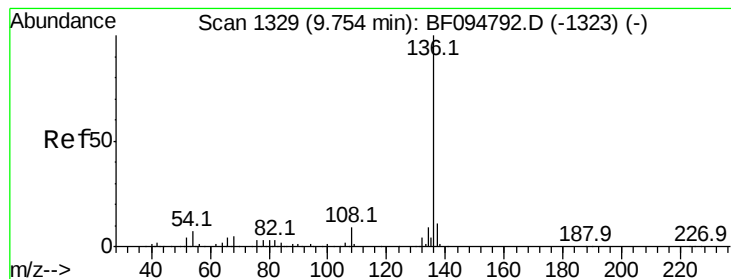
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.73 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF095002.D

Acq: 9 May 2017 3:02

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 384433

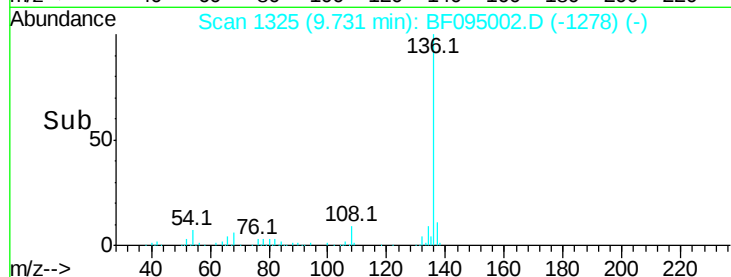
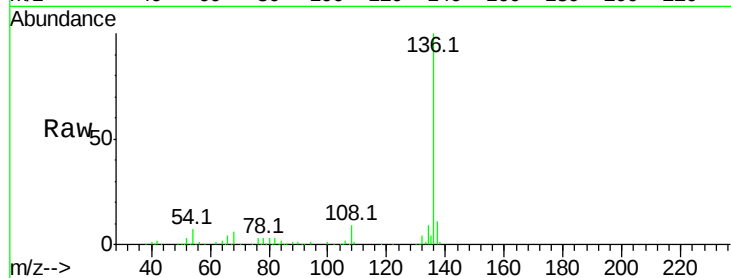
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.0 4.9 7.3

68 5.8 4.1 6.1

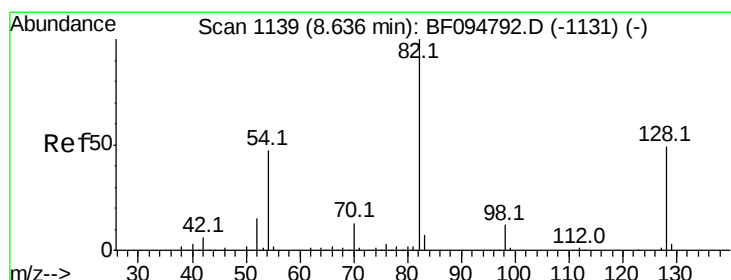
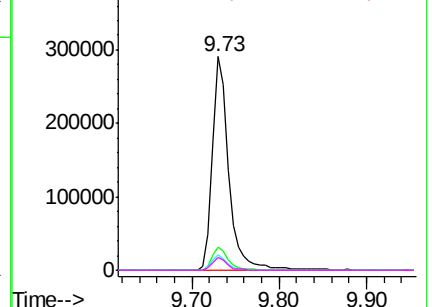


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 67.58 ng

RT: 8.61 min Scan# 1134

Delta R.T. -0.03 min

Lab File: BF095002.D

Acq: 9 May 2017 3:02

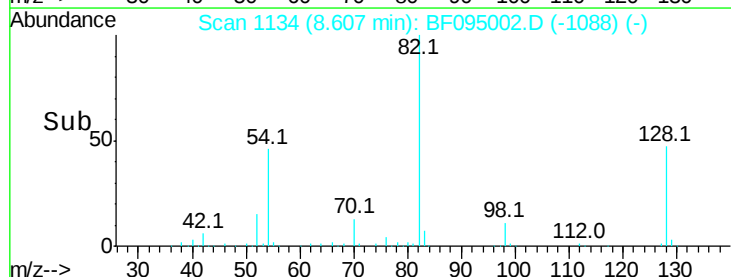
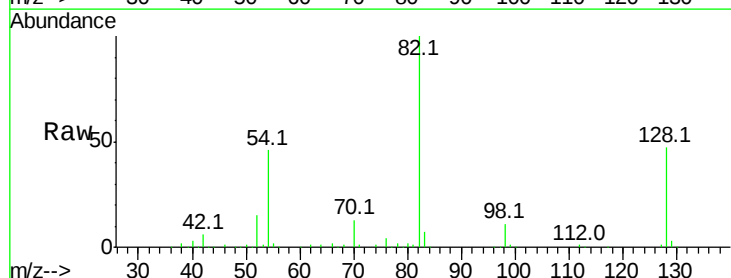
Tgt Ion: 82 Resp: 411971

Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

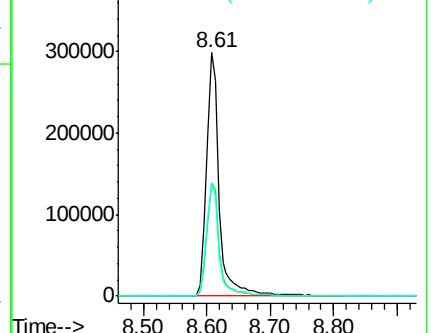
54 46.4 42.2 63.2

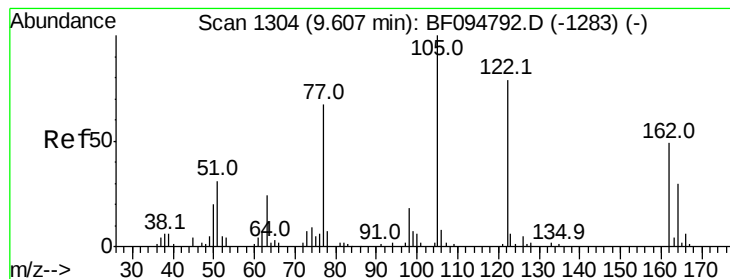


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 5.27 ng

RT: 9.59 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF095002.D

Acq: 9 May 2017 3:02

Instrument :

BNA\_F

ClientSampled :

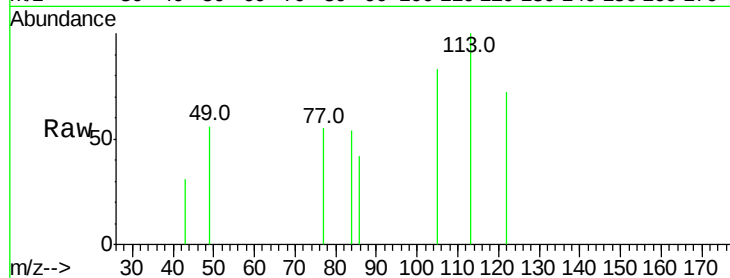
Tot Ion:122 Resp: 764

Ion Ratio Lower Upper

122 100

105 115.1 103.3 143.3

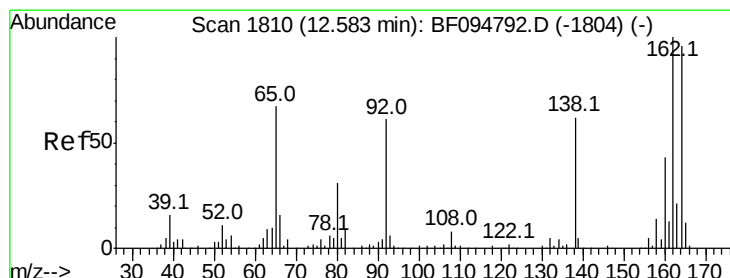
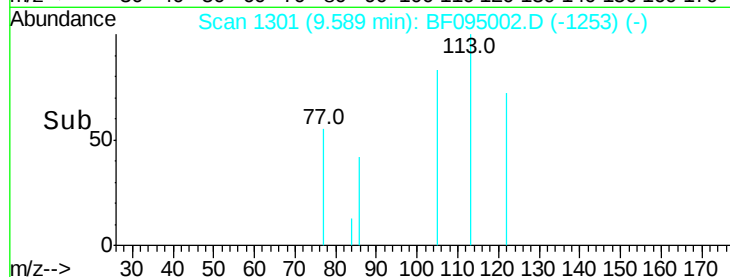
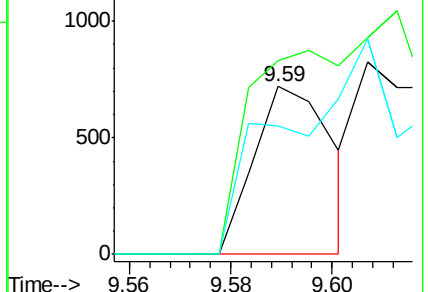
77 76.3 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.56 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF095002.D

Acq: 9 May 2017 3:02

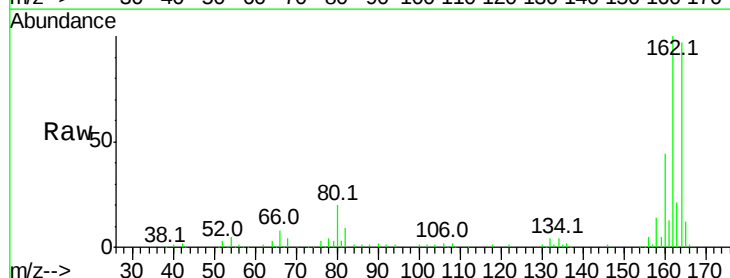
Tgt Ion:164 Resp: 167281

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

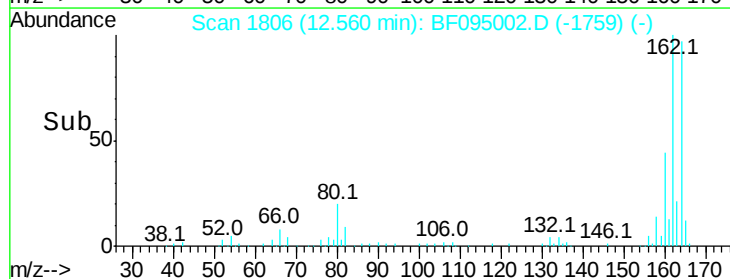
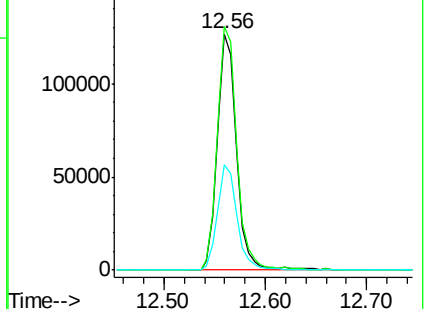
160 44.9 36.2 54.2

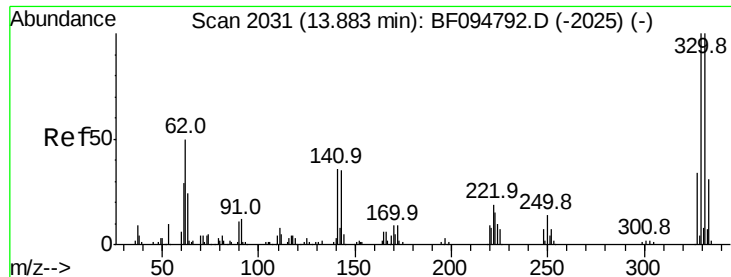


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

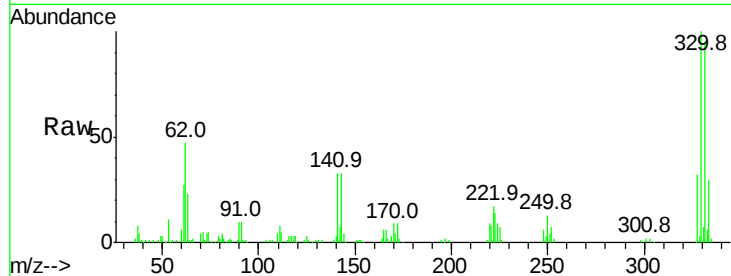




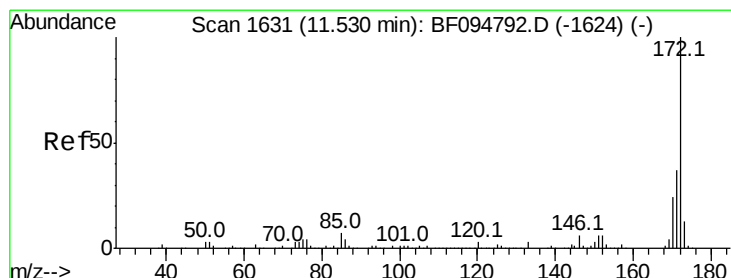
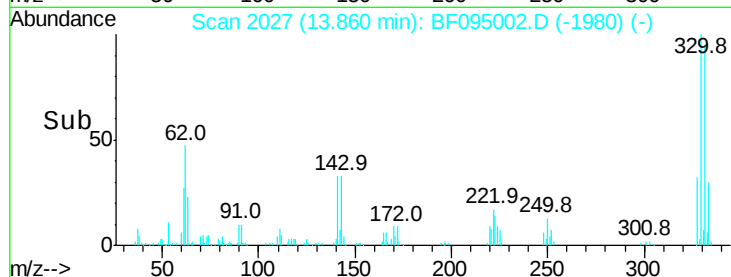
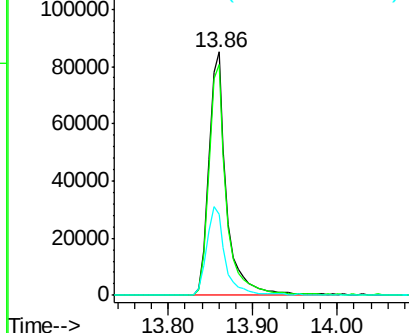
#41  
 2,4,6-Tribromophenol  
 Concen: 91.54 ng  
 RT: 13.86 min Scan# 2027  
 Delta R.T. -0.02 min  
 Lab File: BF095002.D  
 Acq: 9 May 2017 3:02

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 125406  
 Ion Ratio Lower Upper  
 330 100  
 332 94.1 76.6 115.0  
 141 38.0 31.4 47.2

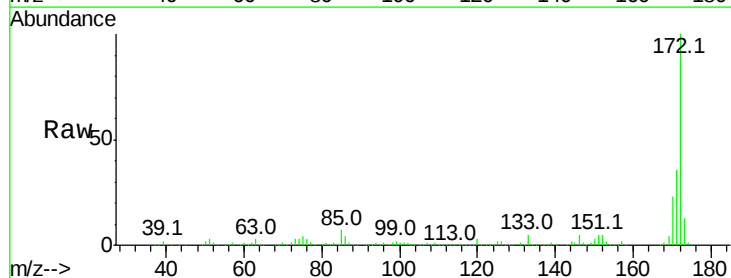


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

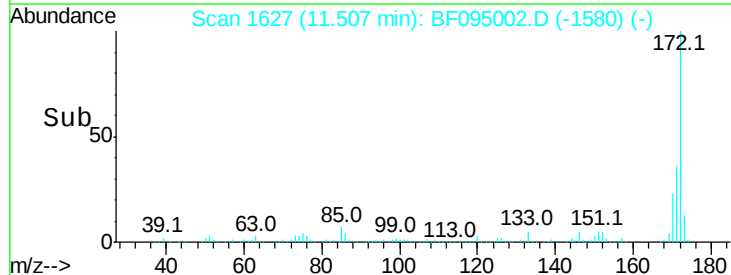
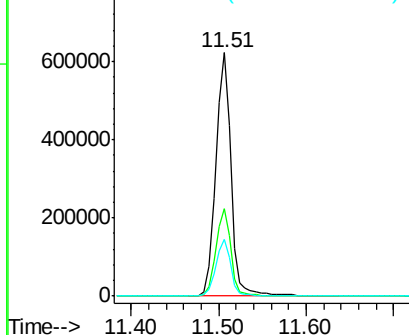


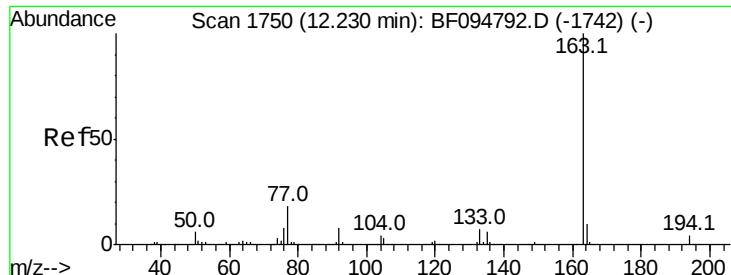
#44  
 2-Fluorobiphenyl  
 Concen: 65.05 ng  
 RT: 11.51 min Scan# 1627  
 Delta R.T. -0.02 min  
 Lab File: BF095002.D  
 Acq: 9 May 2017 3:02

Tgt Ion:172 Resp: 755971  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.6 44.4  
 170 23.5 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: 8.45 ng

RT: 12.20 min Scan# 1744

Delta R.T. -0.04 min

Lab File: BF095002.D

Acq: 9 May 2017 3:02

Instrument :

BNA\_F

ClientSampleId :

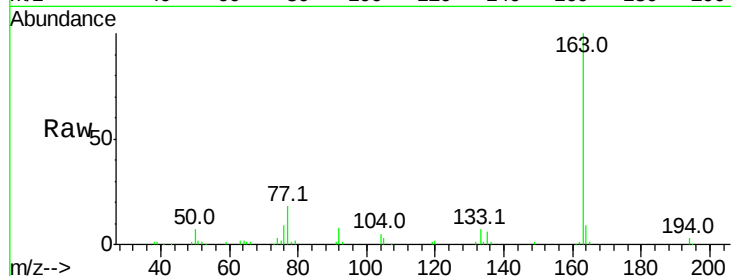
Tot Ion:163 Resp: 116090

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

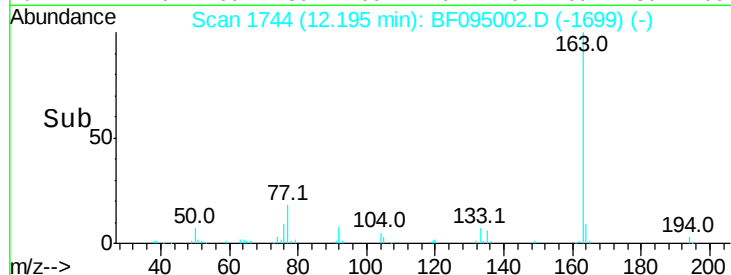
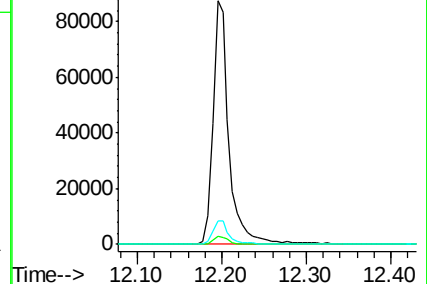
164 9.4 8.4 12.6



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: 14.96 min Scan# 2214

Delta R.T. -0.02 min

Lab File: BF095002.D

Acq: 9 May 2017 3:02

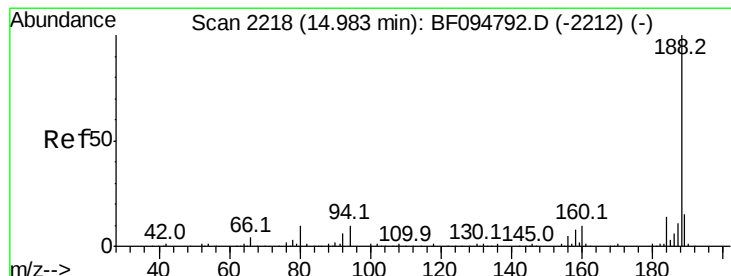
Tgt Ion:188 Resp: 243283

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

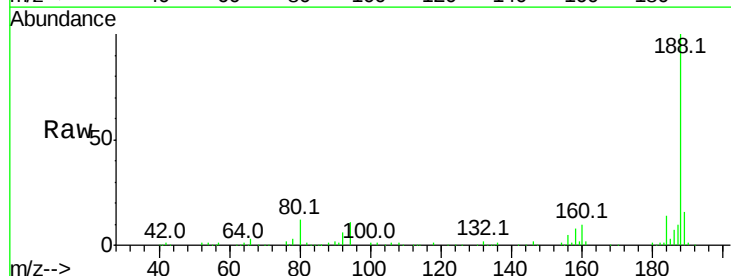
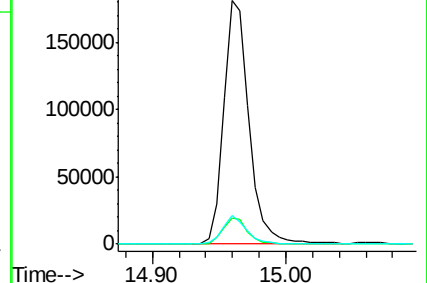
80 11.6 10.2 15.2

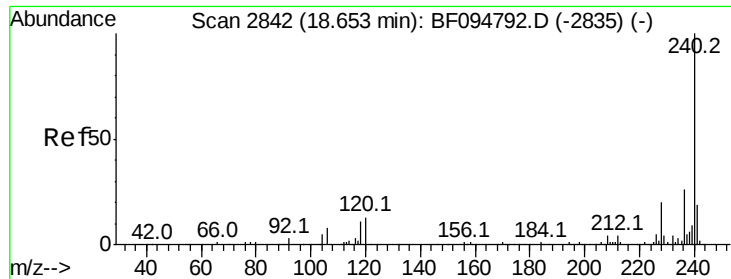


Abundance Ion 188.00 (187.70 to 188.70): E

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: 18.63 min Scan# 2838

Delta R.T. -0.02 min

Lab File: BF095002.D

Acq: 9 May 2017 3:02

Instrument :

BNA\_F

ClientSampleId :

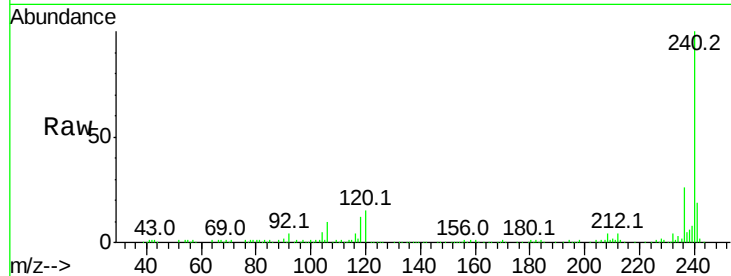
Tot Ion:240 Resp: 208646

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

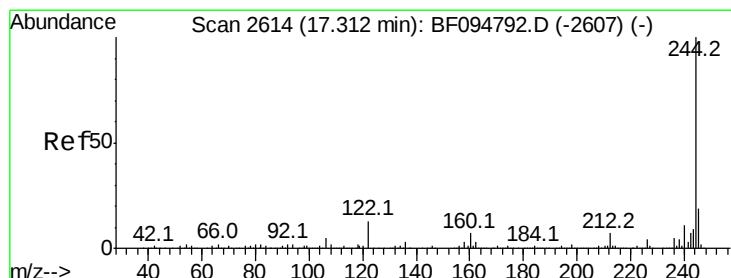
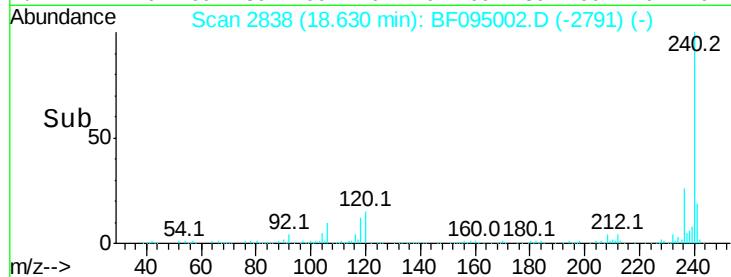
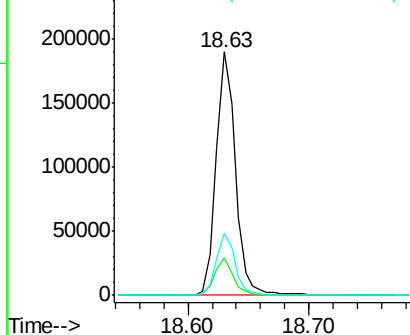
236 25.7 20.5 30.7



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: 54.17 ng

RT: 17.29 min Scan# 2610

Delta R.T. -0.02 min

Lab File: BF095002.D

Acq: 9 May 2017 3:02

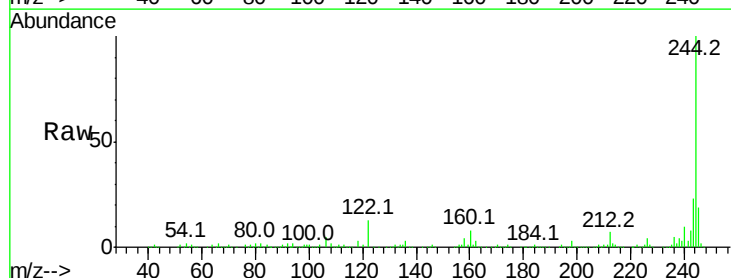
Tgt Ion:244 Resp: 513165

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

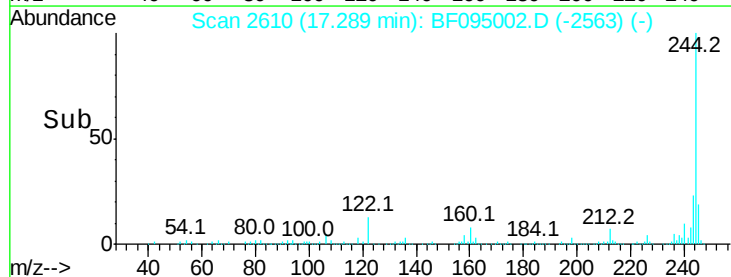
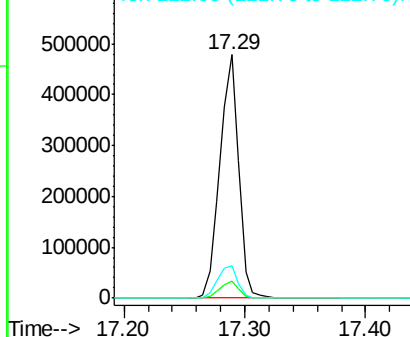
122 13.3 10.3 15.5

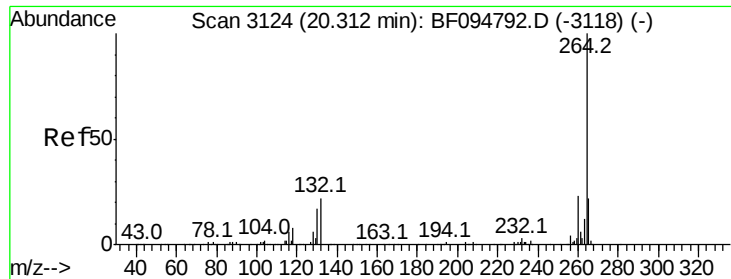


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

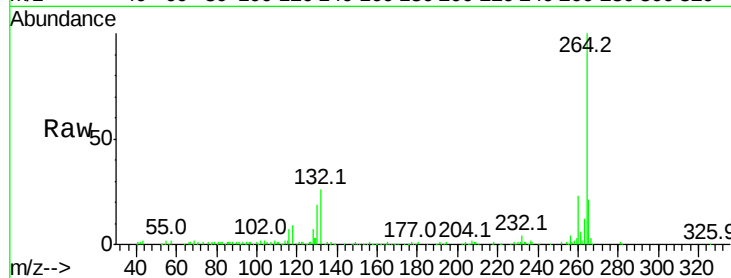




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 20.29 min Scan# 3121  
Delta R.T. -0.02 min  
Lab File: BF095002.D  
Acq: 9 May 2017 3:02

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 19.5  | 29.3  |
| 265     | 21.0  | 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

