

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060617\  
 Data File : BF095701.D  
 Acq On : 6 Jun 2017 10:51  
 Operator : SJ/MA  
 Sample : I3441-08  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-RO-6710-060117

Quant Time: Jun 06 17:06:12 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:15:31 2017  
 Response via : Initial Calibration

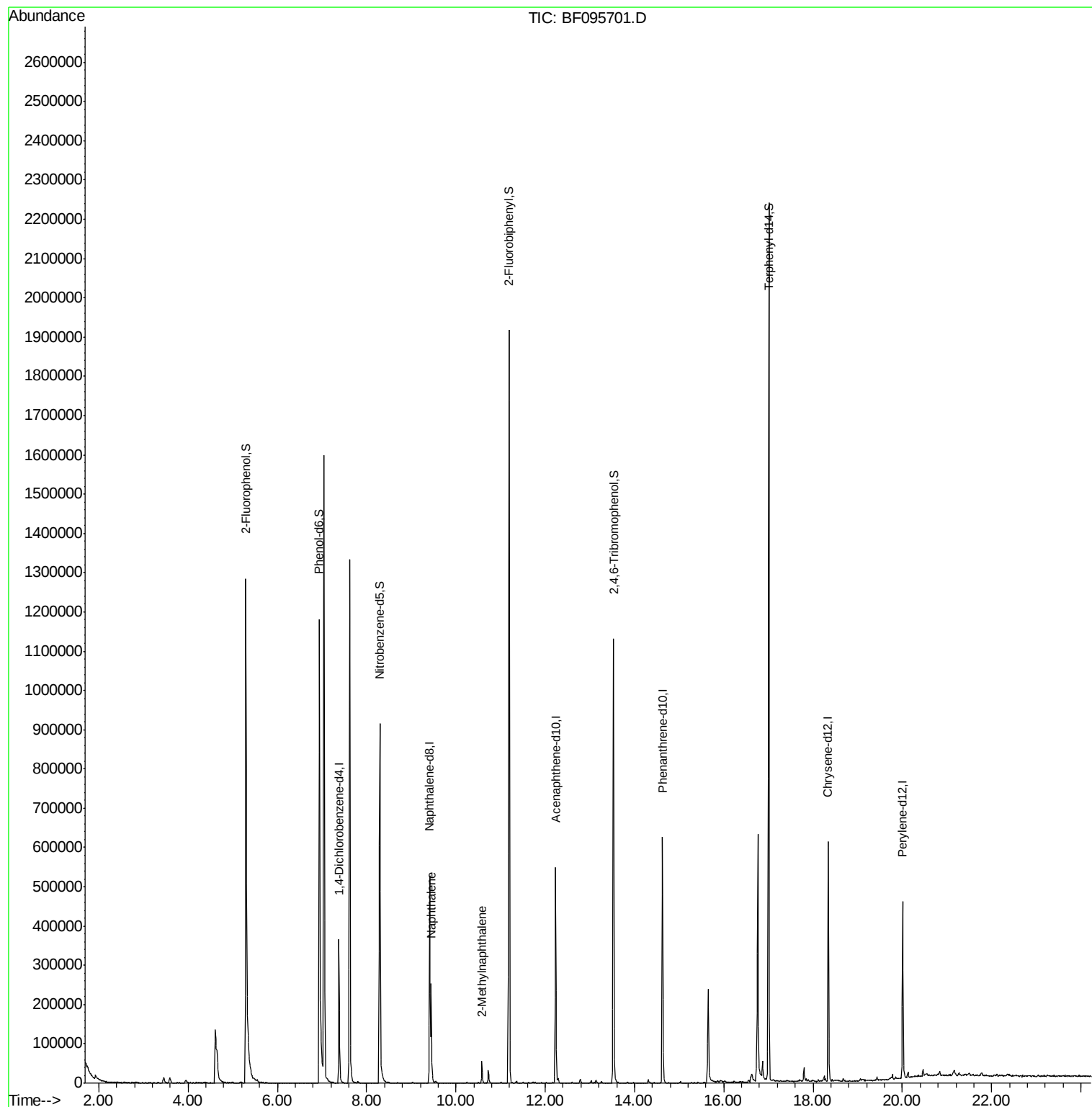
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 84737    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 9.41  | 136  | 349740   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 12.23 | 164  | 164923   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 14.63 | 188  | 320167   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 18.34 | 240  | 281739   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 20.01 | 264  | 200033   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 772961   | 145.35 | ng    | 0.00     |
| 7) Phenol-d6                | 6.94  | 99   | 752585   | 118.21 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.30  | 82   | 491317   | 87.25  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 13.53 | 330  | 203375   | 139.38 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 11.19 | 172  | 994581   | 83.92  | ng    | -0.02    |
| 78) Terphenyl-d14           | 17.01 | 244  | 960491   | 84.61  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 9.44  | 128  | 194167   | 11.062 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 10.58 | 142  | 24688    | 2.082  | ng    | 96       |

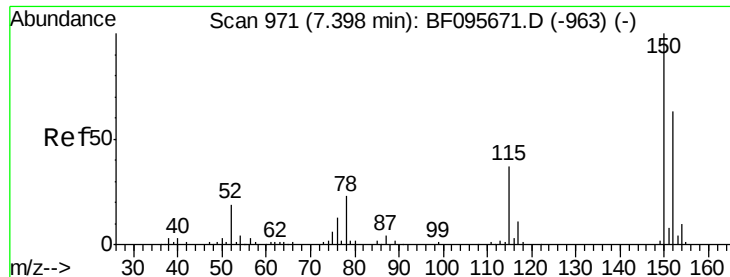
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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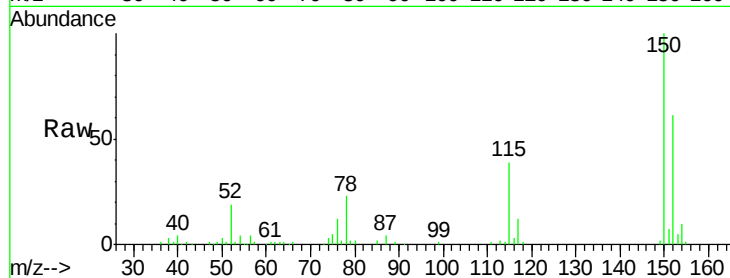


#1

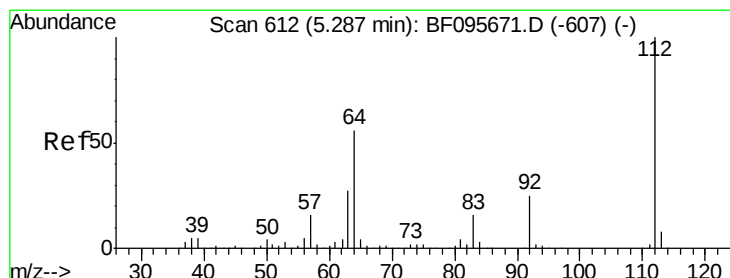
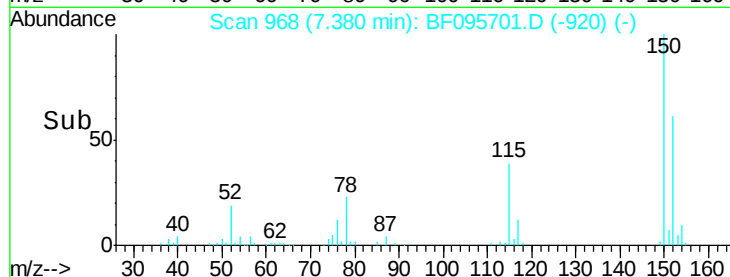
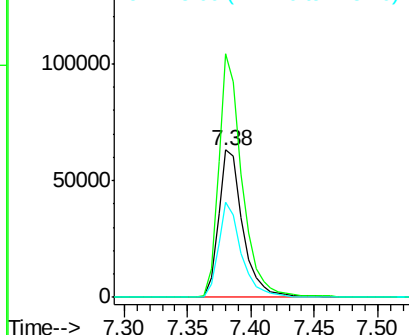
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.38 min Scan# 968  
 Delta R.T. -0.02 min  
 Lab File: BF095701.D  
 Acq: 6 Jun 2017 10:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-RO-6710-060117

Tgt Ion:152 Resp: 84737  
 Ion Ratio Lower Upper  
 152 100  
 150 165.0 126.2 189.2  
 115 64.3 52.2 78.2



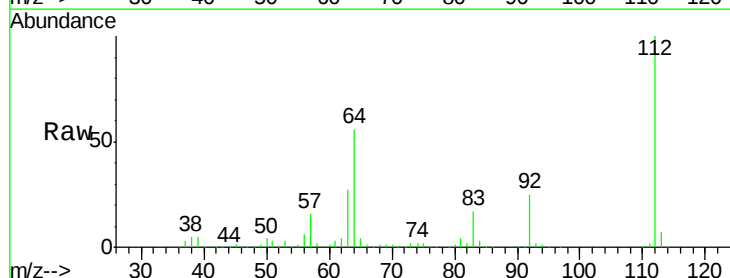
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



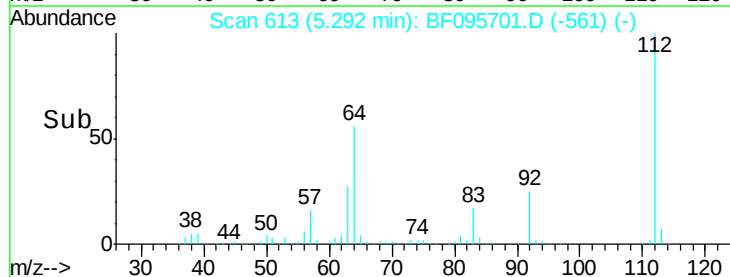
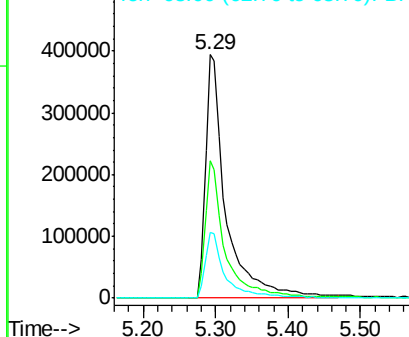
#5

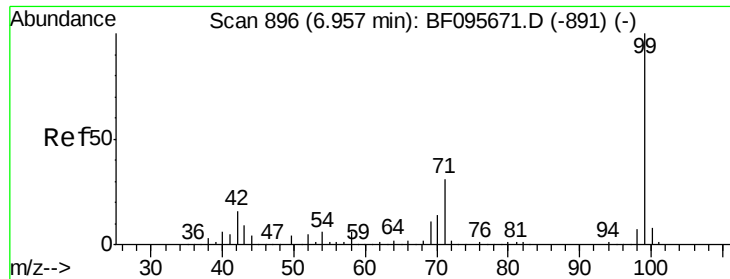
2-Fluorophenol  
 Concen: 145.353 ng  
 RT: 5.29 min Scan# 613  
 Delta R.T. 0.01 min  
 Lab File: BF095701.D  
 Acq: 6 Jun 2017 10:51

Tgt Ion:112 Resp: 772961  
 Ion Ratio Lower Upper  
 112 100  
 64 56.3 46.0 69.0  
 63 27.1 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: 118.213 ng

RT: 6.94 min Scan# 893

Delta R.T. -0.02 min

Lab File: BF095701.D

Acq: 6 Jun 2017 10:51

Instrument :

BNA\_F

ClientSampleId :

OR-RO-6710-060117

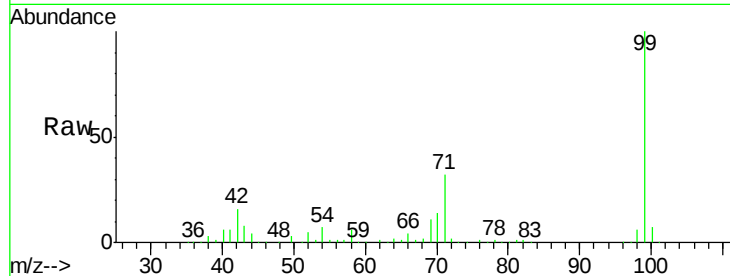
Tgt Ion: 99 Resp: 752585

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

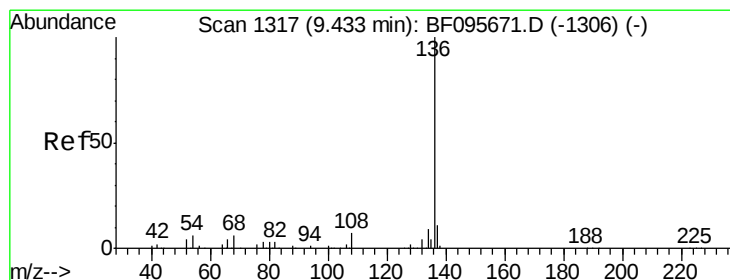
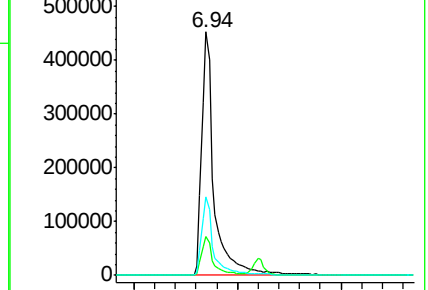
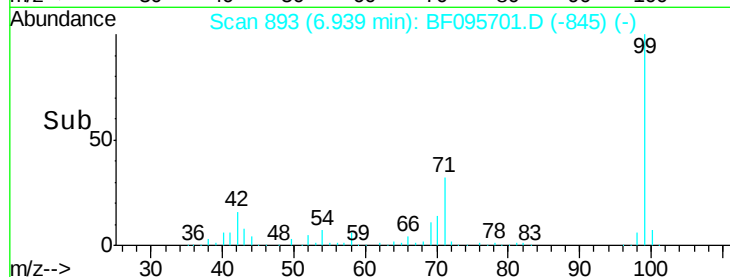
71 32.5 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.41 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF095701.D

Acq: 6 Jun 2017 10:51

Tgt Ion: 136 Resp: 349740

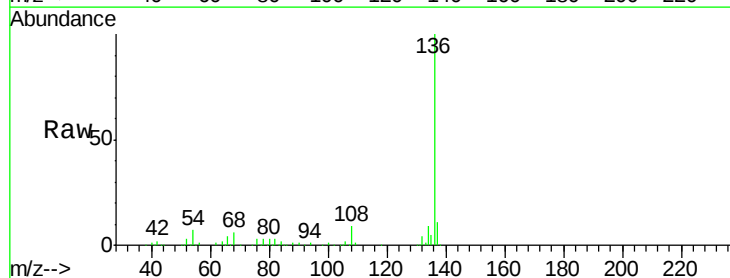
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 6.8 4.9 7.3

68 5.6 4.1 6.1

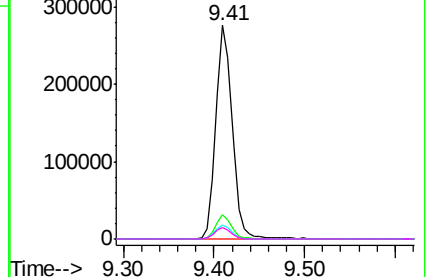
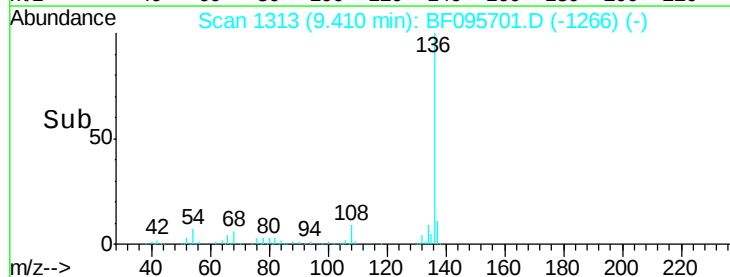


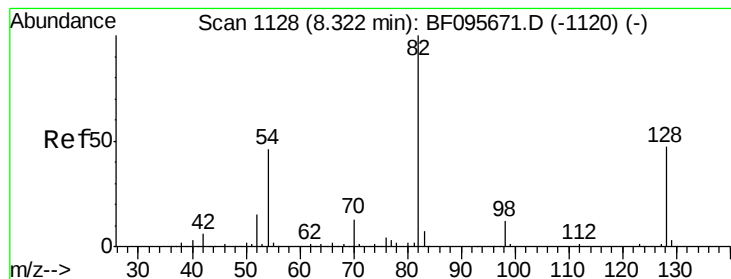
Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.245 ng

RT: 8.30 min Scan# 1124

Delta R.T. -0.02 min

Lab File: BF095701.D

Acq: 6 Jun 2017 10:51

Instrument :

BNA\_F

ClientSampleId :

OR-RO-6710-060117

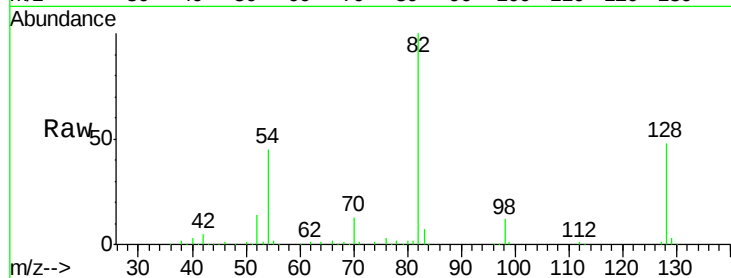
Tgt Ion: 82 Resp: 491317

Ion Ratio Lower Upper

82 100

128 48.5 34.0 51.0

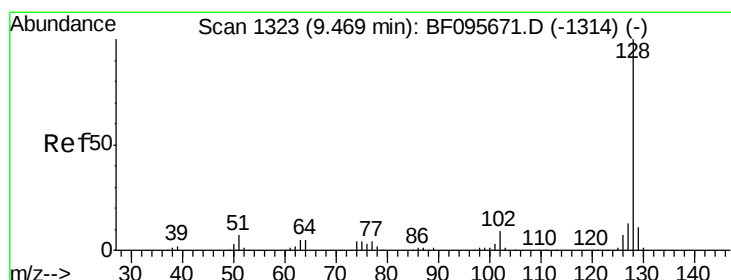
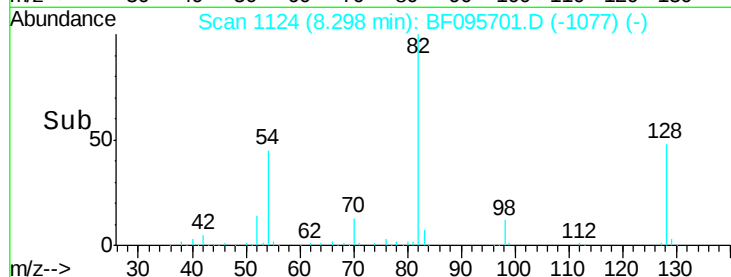
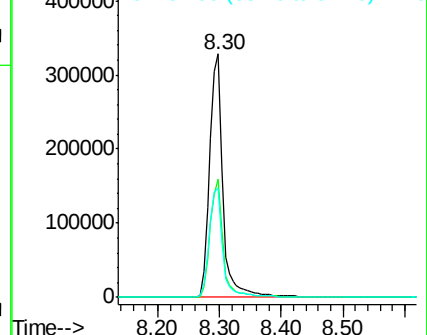
54 45.0 42.2 63.2



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



#31

Naphthalene

Concen: 11.062 ng

RT: 9.44 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BF095701.D

Acq: 6 Jun 2017 10:51

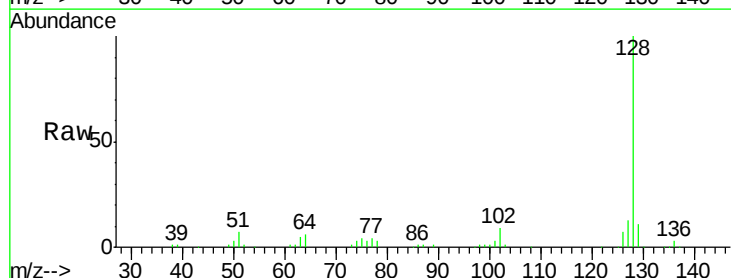
Tgt Ion: 128 Resp: 194167

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

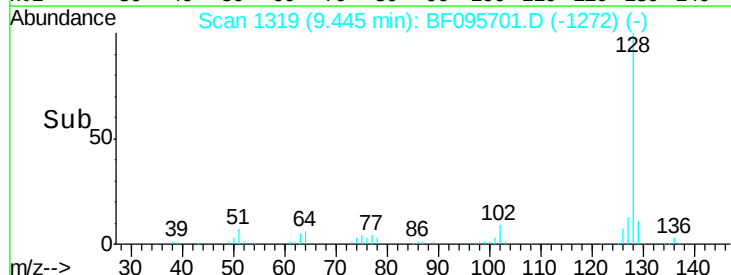
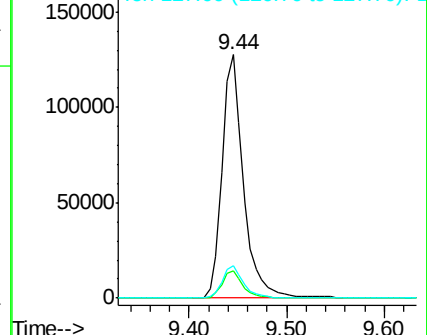
127 13.1 10.8 16.2

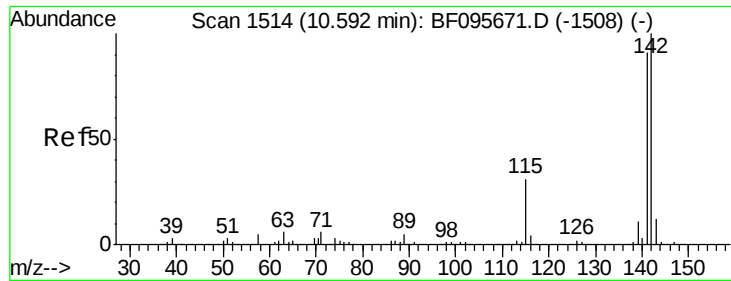


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

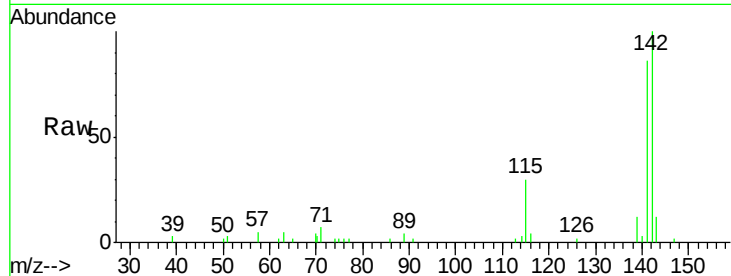




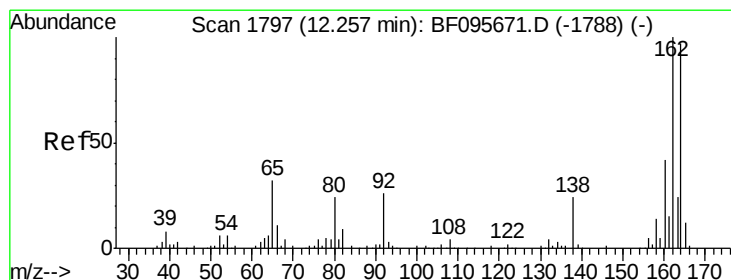
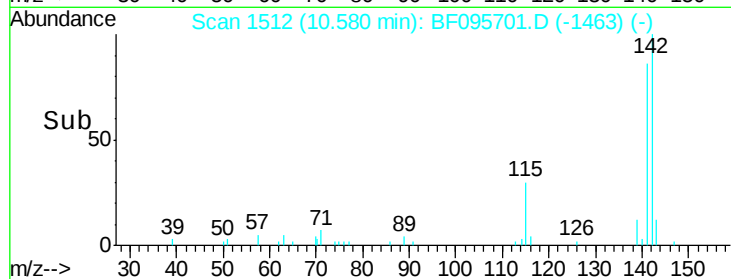
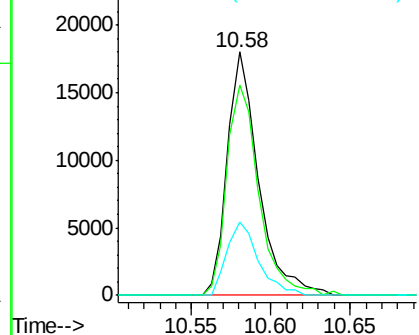
#37  
 2-Methylnaphthalene  
 Concen: 2.082 ng  
 RT: 10.58 min Scan# 1512  
 Delta R.T. -0.01 min  
 Lab File: BF095701.D  
 Acq: 6 Jun 2017 10:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-RO-6710-060117

Tgt Ion:142 Resp: 24688  
 Ion Ratio Lower Upper  
 142 100  
 141 86.2 71.3 106.9  
 115 30.3 27.1 40.7

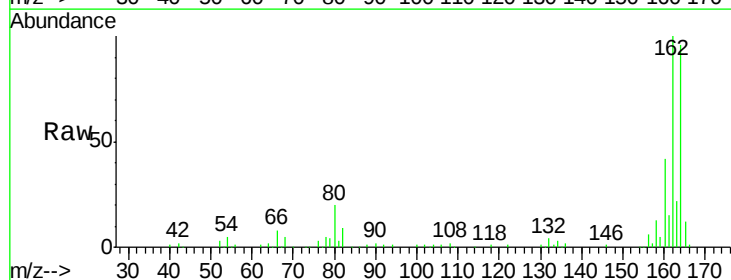


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

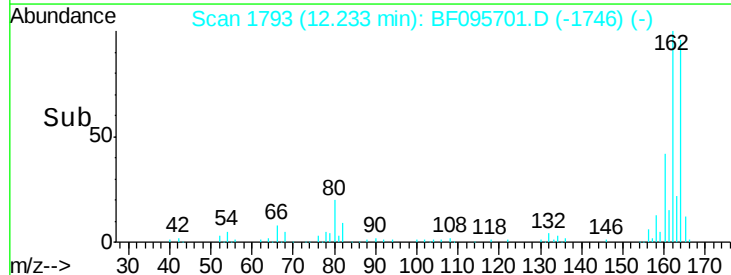
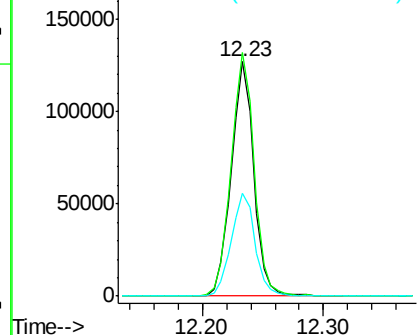


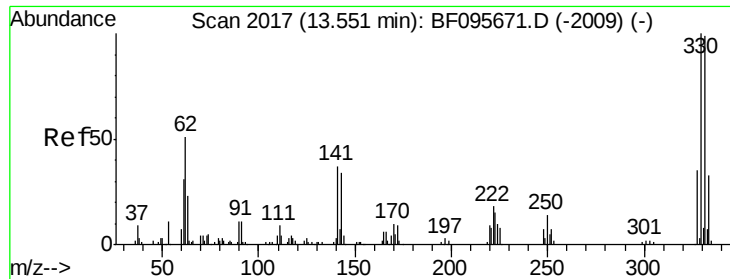
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 12.23 min Scan# 1793  
 Delta R.T. -0.02 min  
 Lab File: BF095701.D  
 Acq: 6 Jun 2017 10:51

Tgt Ion:164 Resp: 164923  
 Ion Ratio Lower Upper  
 164 100  
 162 103.9 82.6 123.8  
 160 44.2 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

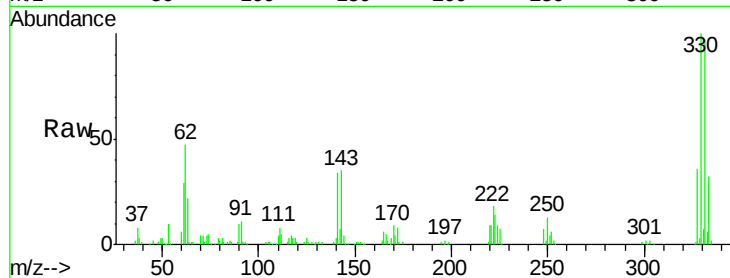




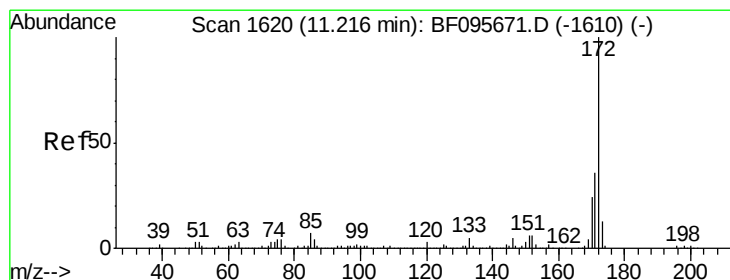
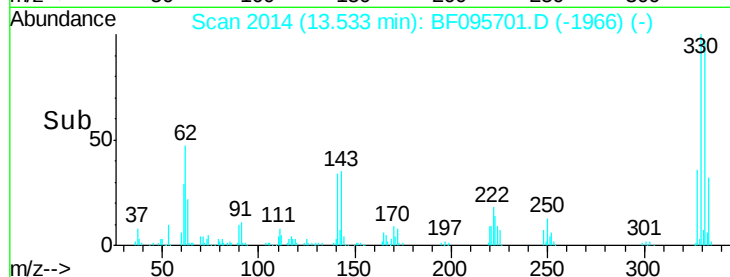
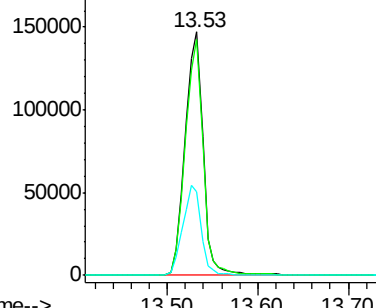
#41  
 2,4,6-Tribromophenol  
 Concen: 139.376 ng  
 RT: 13.53 min Scan# 2014  
 Delta R.T. -0.02 min  
 Lab File: BF095701.D  
 Acq: 6 Jun 2017 10:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-RO-6710-060117

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 76.6  | 115.0 |
| 141     | 38.0  | 31.4  | 47.2  |

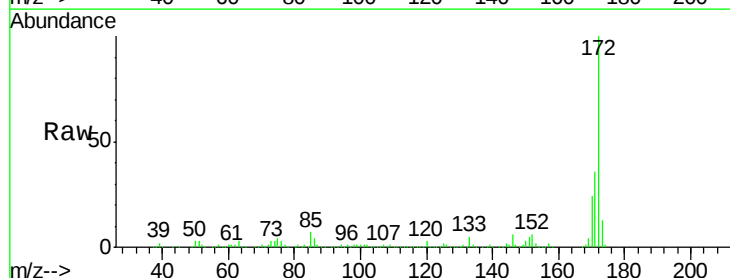


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

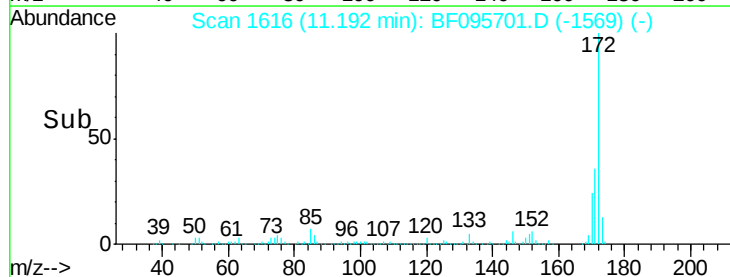
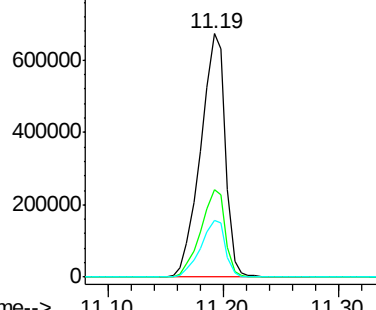


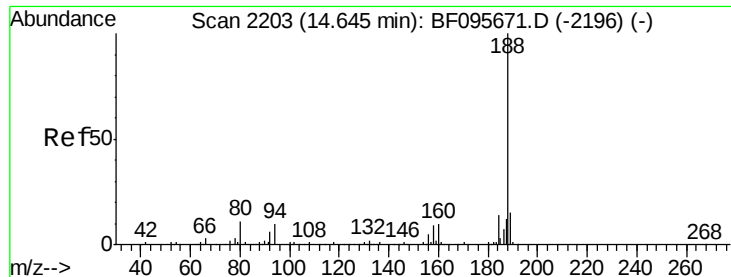
#44  
 2-Fluorobiphenyl  
 Concen: 83.920 ng  
 RT: 11.19 min Scan# 1616  
 Delta R.T. -0.02 min  
 Lab File: BF095701.D  
 Acq: 6 Jun 2017 10:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 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

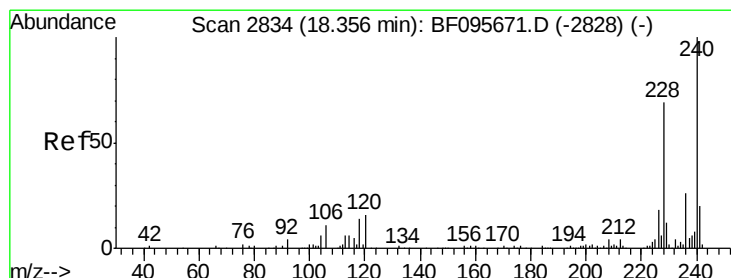
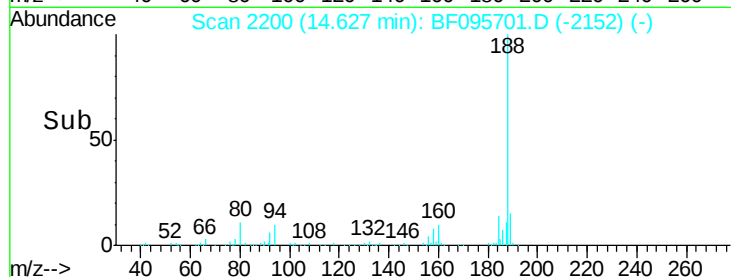
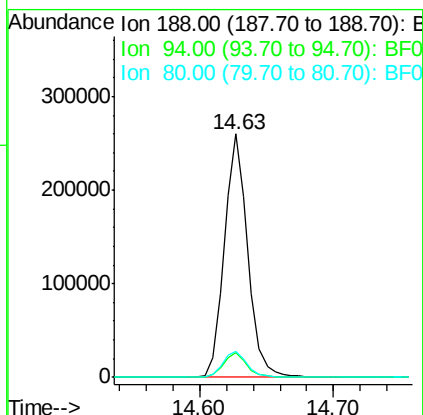
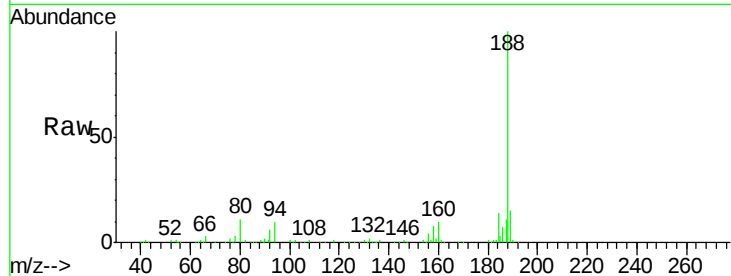




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 14.63 min Scan# 2200  
Delta R.T. -0.02 min  
Lab File: BF095701.D  
Acq: 6 Jun 2017 10:51

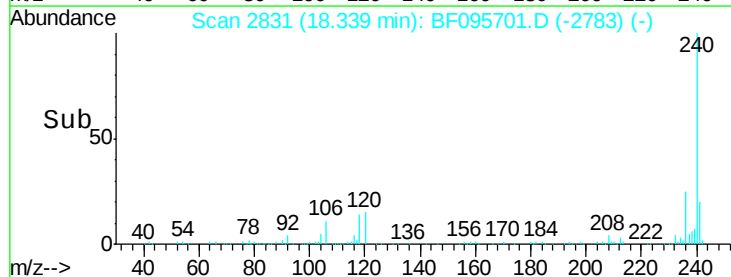
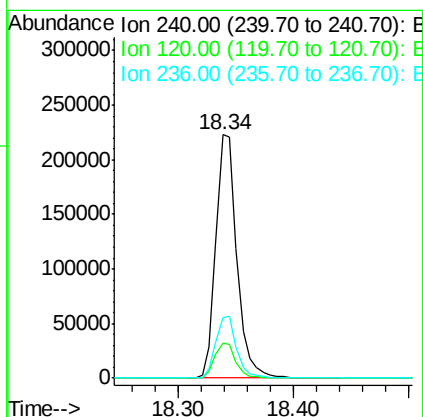
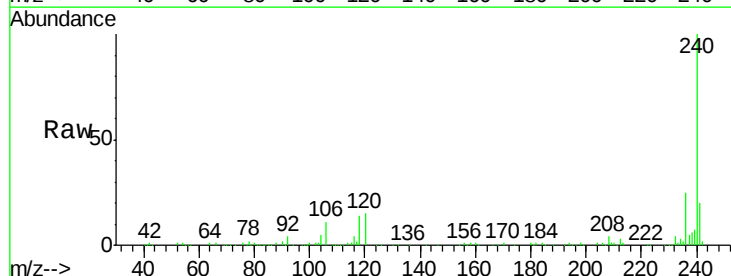
Instrument :  
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OR-RO-6710-060117

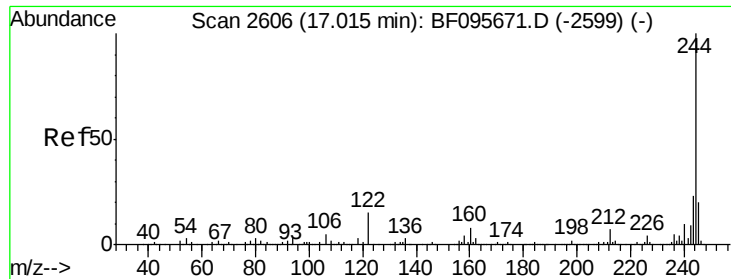
Tgt Ion:188 Resp: 320167  
Ion Ratio Lower Upper  
188 100  
94 10.2 9.4 14.2  
80 10.5 10.2 15.2



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 18.34 min Scan# 2831  
Delta R.T. -0.02 min  
Lab File: BF095701.D  
Acq: 6 Jun 2017 10:51

Tgt Ion:240 Resp: 281739  
Ion Ratio Lower Upper  
240 100  
120 14.5 5.8 8.8#  
236 25.1 20.5 30.7





#78

Terphenyl-d14

Concen: 84.606 ng

RT: 17.01 min Scan# 2605

Delta R.T. -0.01 min

Lab File: BF095701.D

Acq: 6 Jun 2017 10:51

Instrument :

BNA\_F

ClientSampleId :

OR-RO-6710-060117

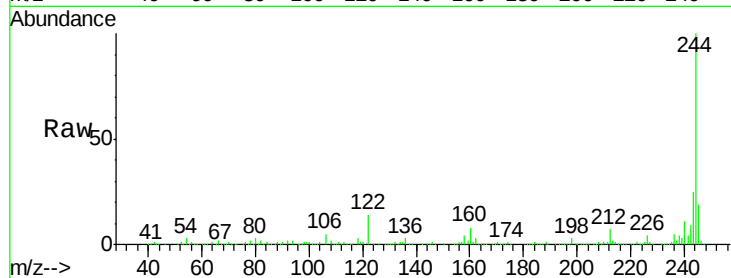
Tgt Ion:244 Resp: 960491

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

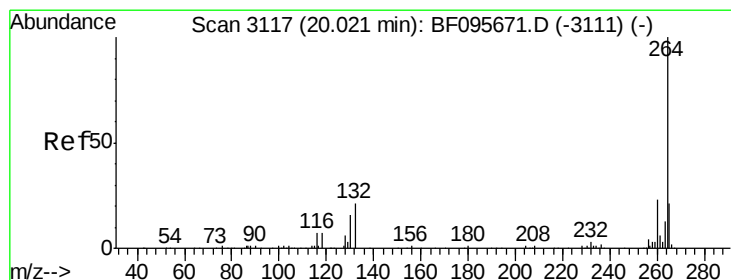
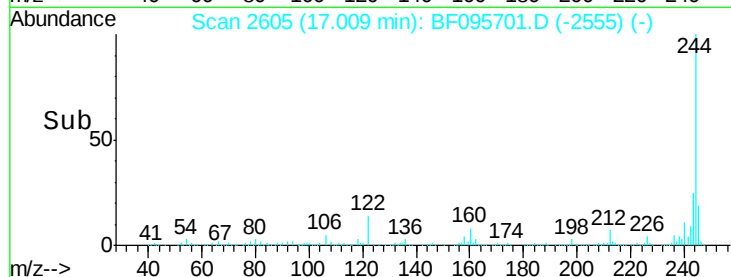
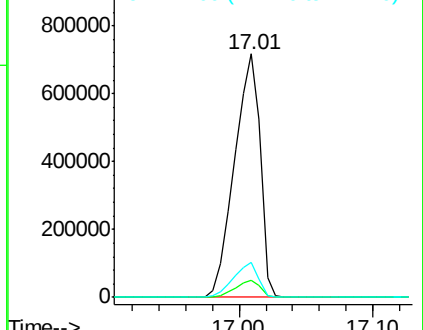
122 14.4 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 20.01 min Scan# 3115

Delta R.T. -0.01 min

Lab File: BF095701.D

Acq: 6 Jun 2017 10:51

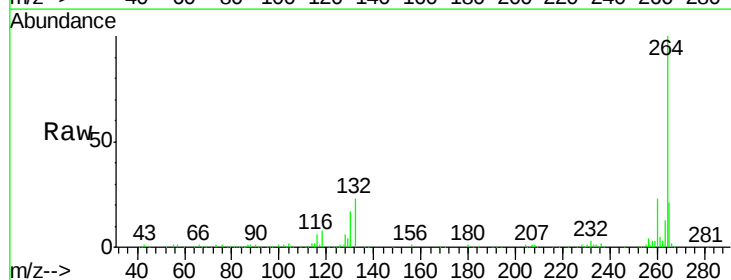
Tgt Ion:264 Resp: 200033

Ion Ratio Lower Upper

264 100

260 22.7 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

