

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\  
 Data File : BF098144.D  
 Acq On : 30 Aug 2017 8:02  
 Operator : SJ/JU  
 Sample : I4989-03  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BERGEN-GEN-S1-COMP

Quant Time: Aug 30 08:42:48 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 21 15:59:04 2017  
 Response via : Initial Calibration

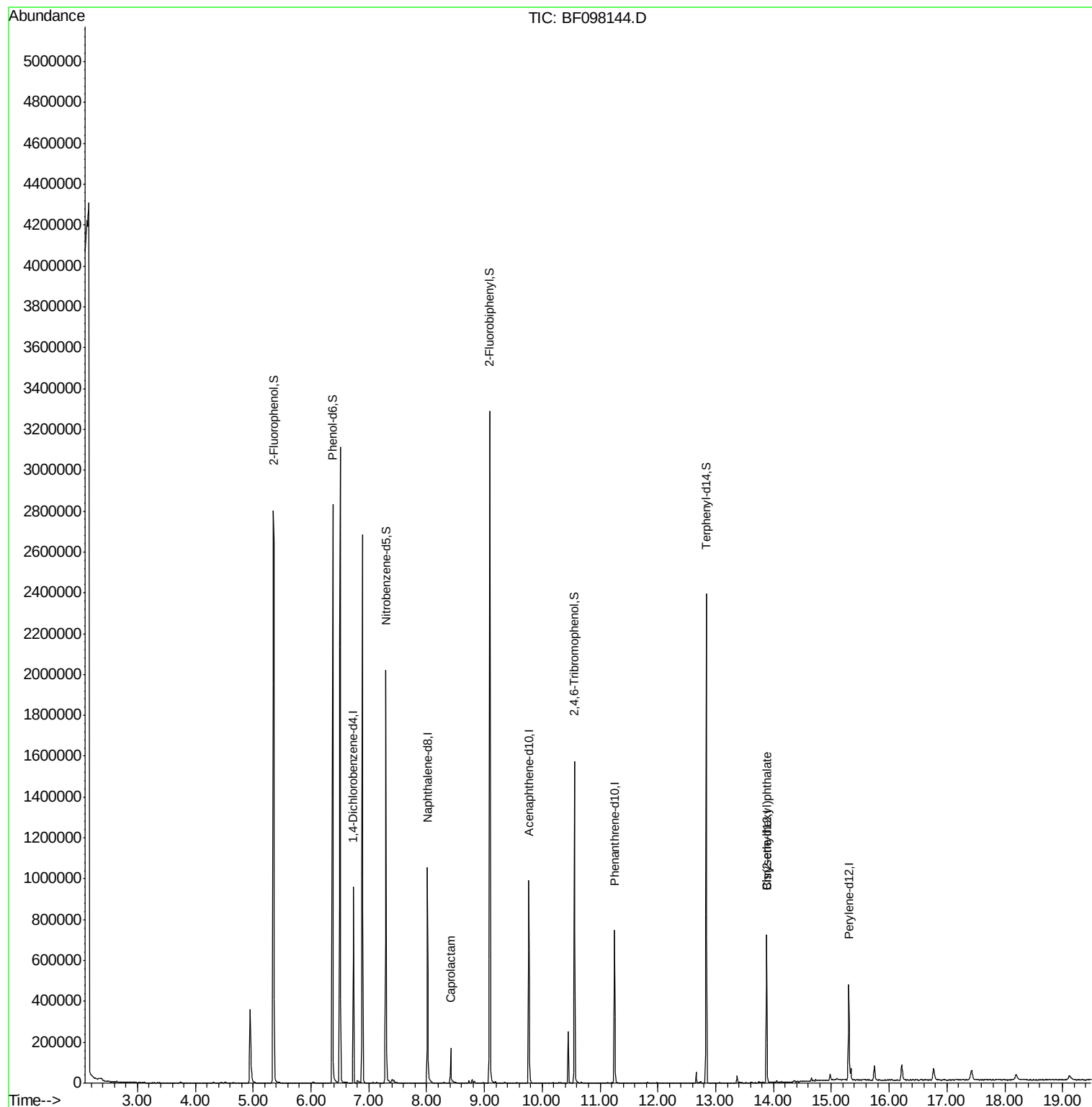
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.73  | 152  | 124074   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.02  | 136  | 472551   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.77  | 164  | 179759   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.25 | 188  | 259366   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.89 | 240  | 244075   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.30 | 264  | 209648   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.35  | 112  | 943303   | 115.64 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.37  | 99   | 1149950  | 103.76 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.30  | 82   | 826605   | 95.03  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.56 | 330  | 175544   | 112.55 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.09  | 172  | 1135740  | 92.83  | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.84 | 244  | 695653   | 59.44  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 35) Caprolactam                | 8.42  | 113  | 18651    | 8.761  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149  | 62798    | 7.404  | ng    | # 99     |

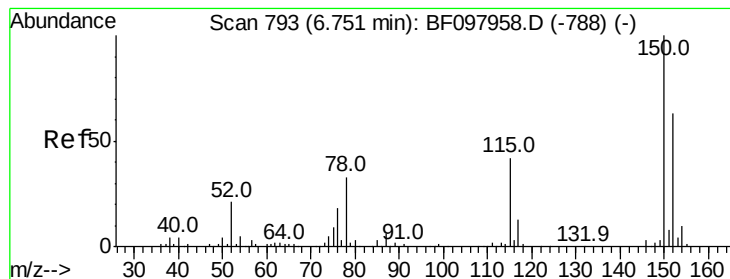
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.73 min Scan# 790

Delta R.T. -0.02 min

Lab File: BF098144.D

Acq: 30 Aug 2017 8:02

Instrument :

BNA\_F

ClientSampleId :

BERGEN-GEN-S1-COMP

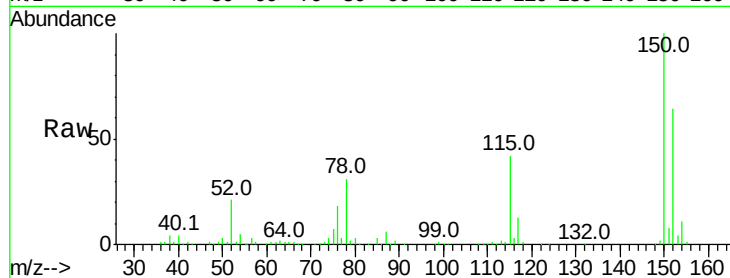
Tot Ion:152 Resp: 124074

Ion Ratio Lower Upper

152 100

150 155.7 126.2 189.2

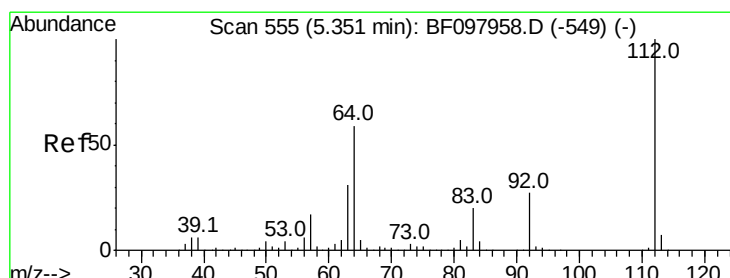
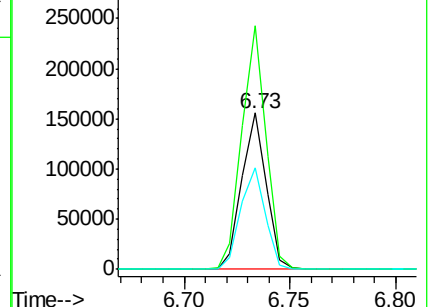
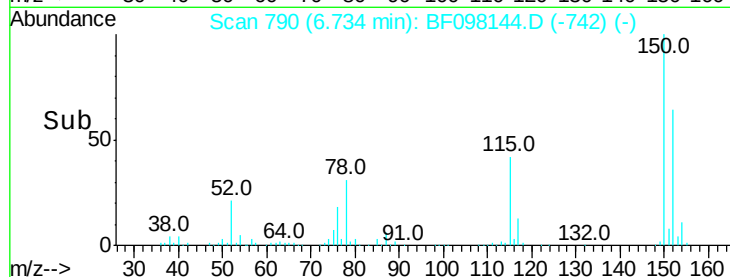
115 64.9 52.2 78.2



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: 115.643 ng

RT: 5.35 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF098144.D

Acq: 30 Aug 2017 8:02

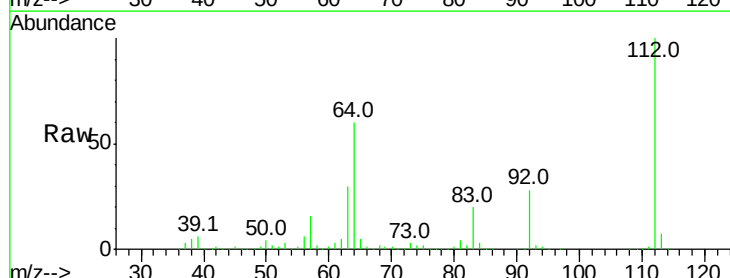
Tgt Ion:112 Resp: 943303

Ion Ratio Lower Upper

112 100

64 59.8 46.0 69.0

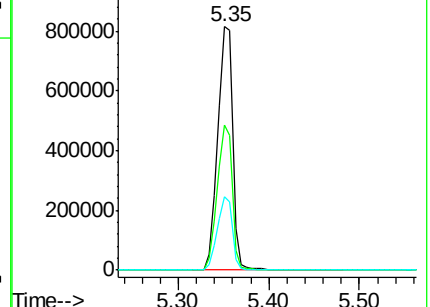
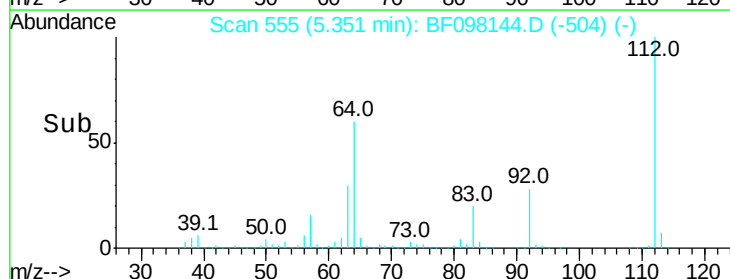
63 30.4 23.4 35.0

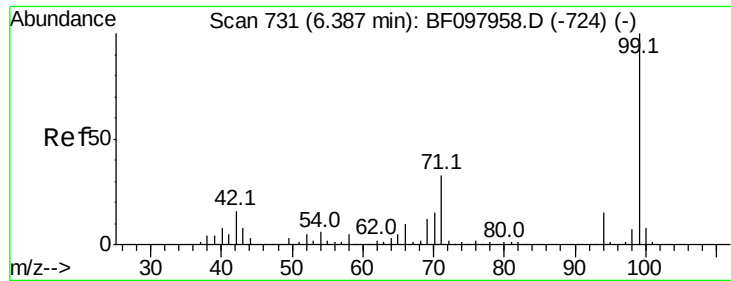


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.758 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098144.D

Acq: 30 Aug 2017 8:02

Instrument :

BNA\_F

ClientSampleId :

BERGEN-GEN-S1-COMP

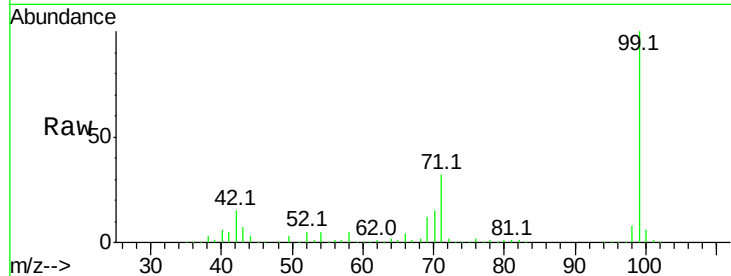
Tot Ion: 99 Resp: 1149950

Ion Ratio Lower Upper

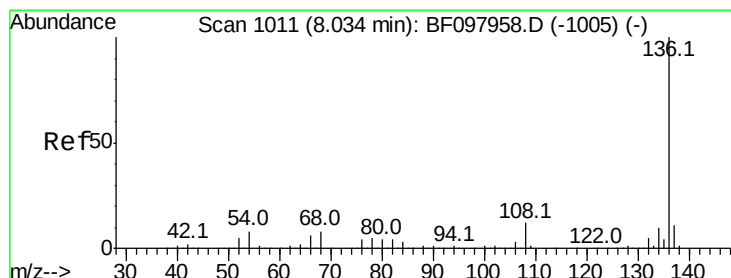
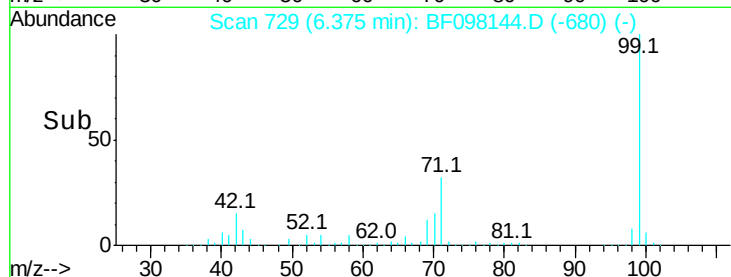
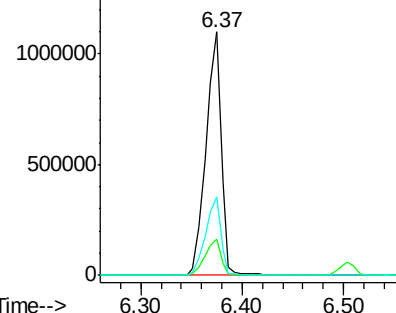
99 100

42 14.7 13.5 20.3

71 32.2 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: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF098144.D

Acq: 30 Aug 2017 8:02

Tgt Ion: 136 Resp: 472551

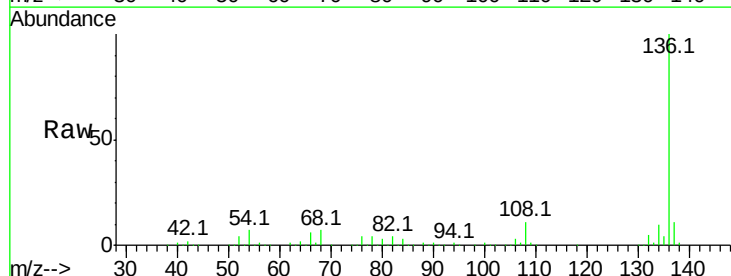
Ion Ratio Lower Upper

136 100

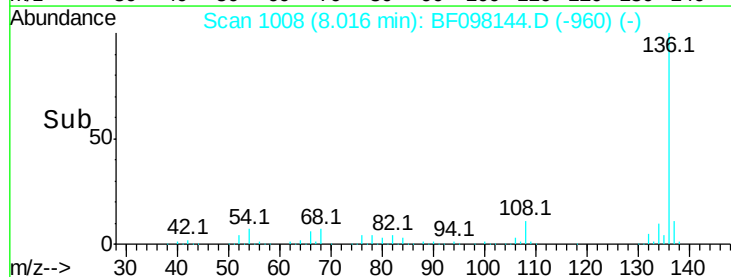
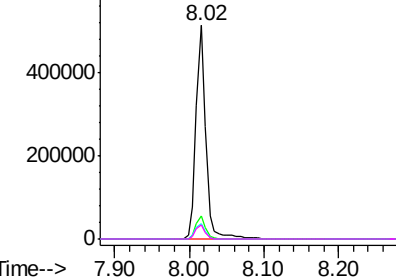
137 10.7 8.5 12.7

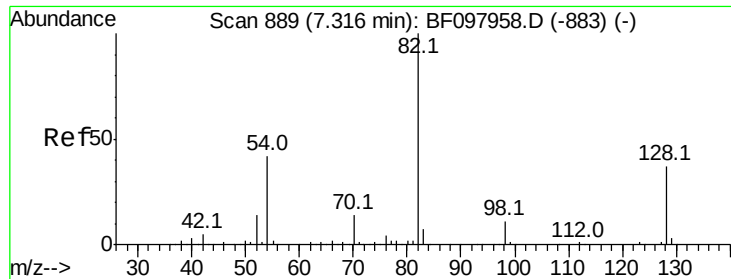
54 7.3 4.9 7.3

68 6.9 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

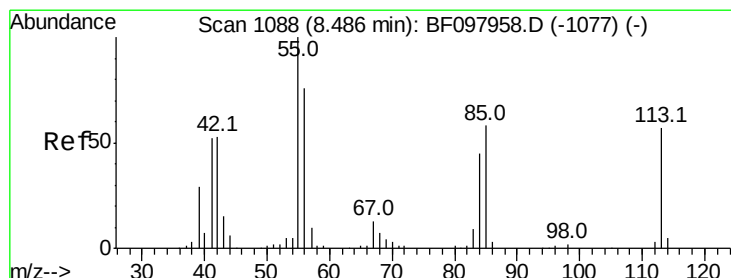
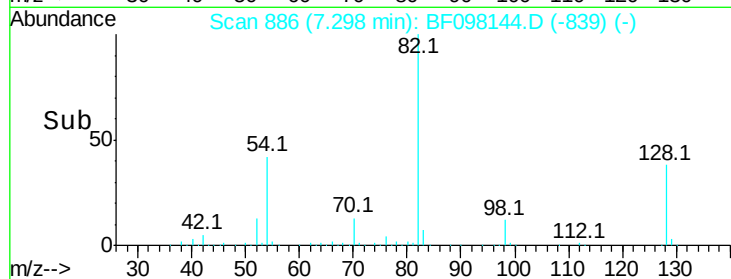
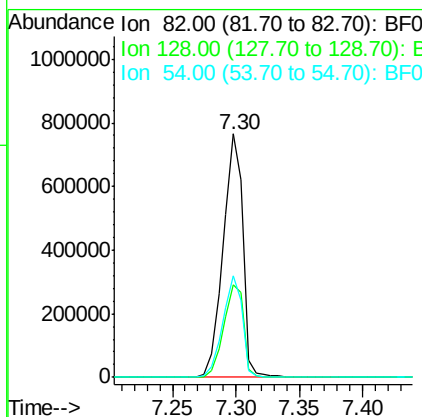
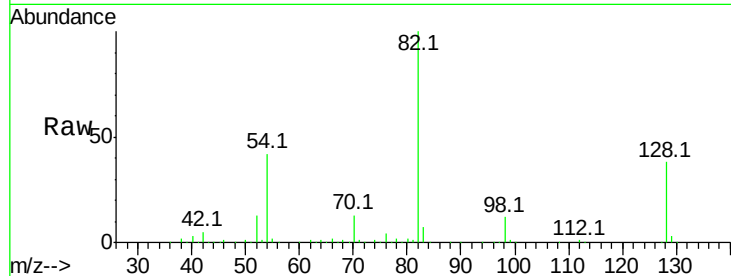




#23  
 Nitrobenzene-d5  
 Concen: 95.027 ng  
 RT: 7.30 min Scan# 886  
 Delta R.T. -0.02 min  
 Lab File: BF098144.D  
 Acq: 30 Aug 2017 8:02

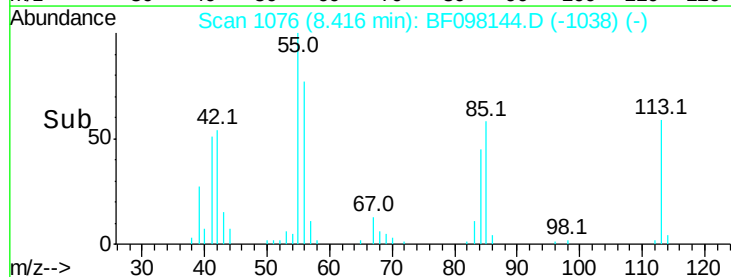
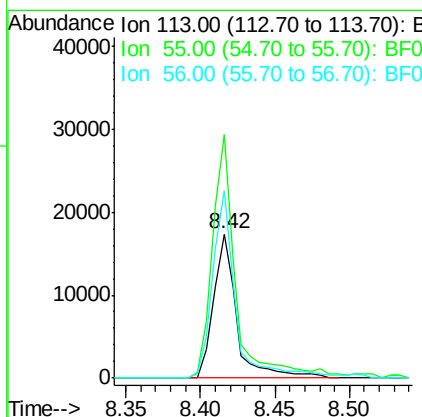
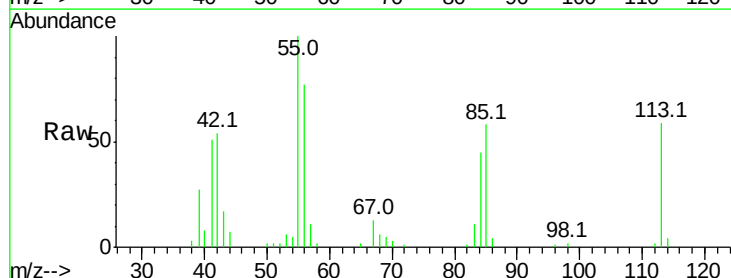
Instrument :  
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 ClientSampleId :  
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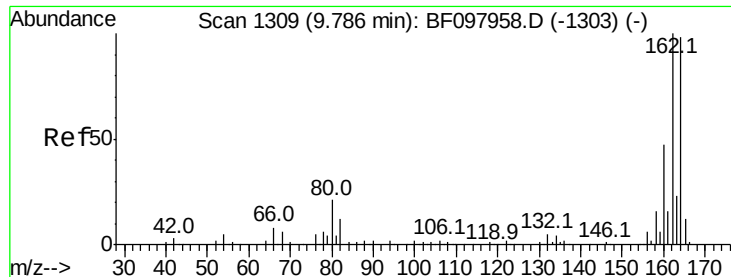
Tot Ion: 82 Resp: 826605  
 Ion Ratio Lower Upper  
 82 100  
 128 38.1 34.0 51.0  
 54 41.5 42.2 63.2#



#35  
 Caprolactam  
 Concen: 8.761 ng  
 RT: 8.42 min Scan# 1076  
 Delta R.T. -0.08 min  
 Lab File: BF098144.D  
 Acq: 30 Aug 2017 8:02

Tgt Ion: 113 Resp: 18651  
 Ion Ratio Lower Upper  
 113 100  
 55 169.3 150.2 190.2  
 56 130.1 107.8 147.8

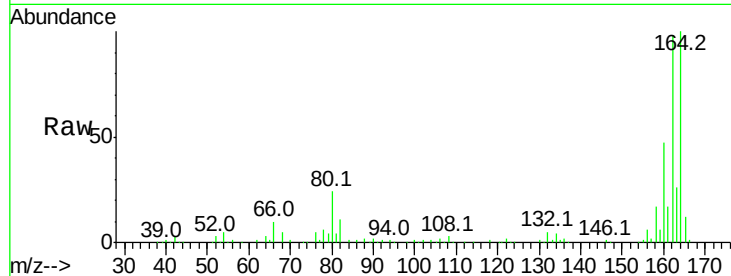




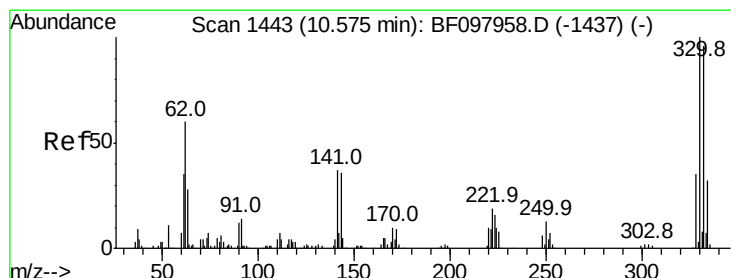
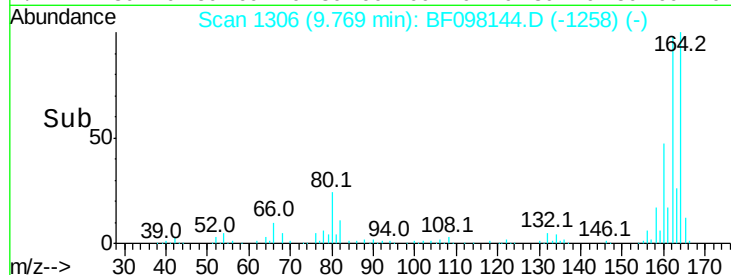
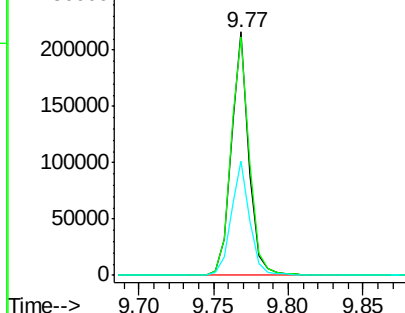
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1306  
 Delta R.T. -0.02 min  
 Lab File: BF098144.D  
 Acq: 30 Aug 2017 8:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BERGEN-GEN-S1-COMP

Tot Ion:164 Resp: 179759  
 Ion Ratio Lower Upper  
 164 100  
 162 97.7 82.6 123.8  
 160 46.9 36.2 54.2

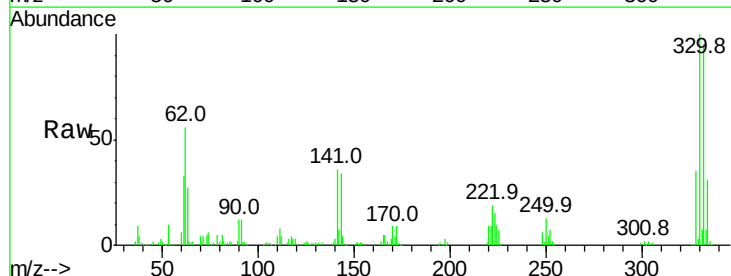


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

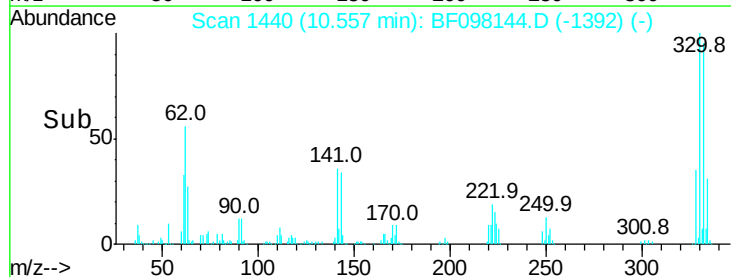
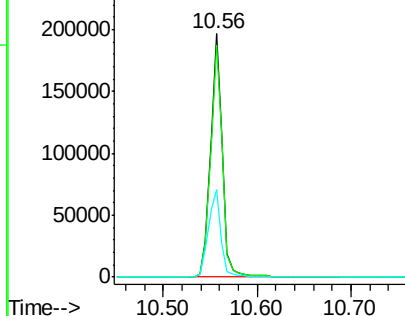


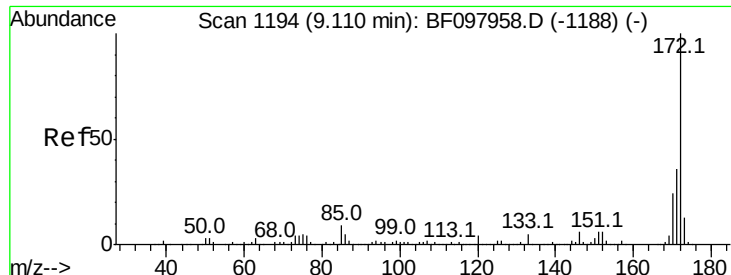
#41  
 2,4,6-Tribromophenol  
 Concen: 112.550 ng  
 RT: 10.56 min Scan# 1440  
 Delta R.T. -0.02 min  
 Lab File: BF098144.D  
 Acq: 30 Aug 2017 8:02

Tgt Ion:330 Resp: 175544  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 76.6 115.0  
 141 38.1 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



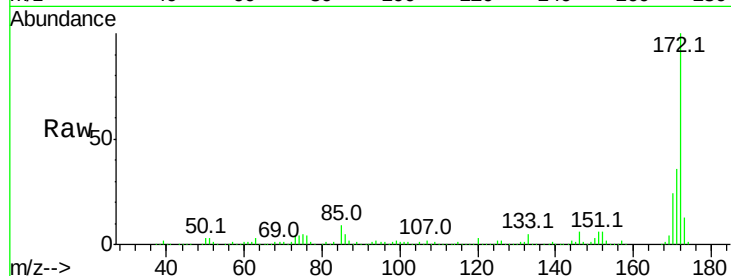


#44  
 2-Fluorobiphenyl  
 Concen: 92.826 ng  
 RT: 9.09 min Scan# 1191  
 Delta R.T. -0.02 min  
 Lab File: BF098144.D  
 Acq: 30 Aug 2017 8:02

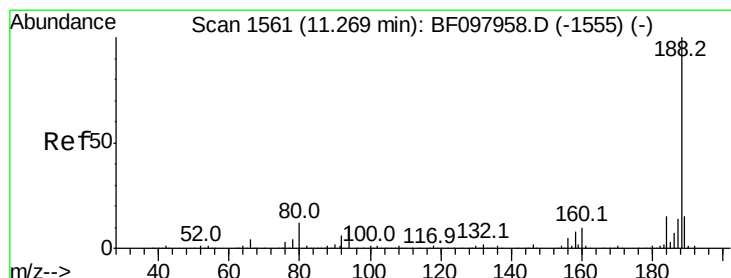
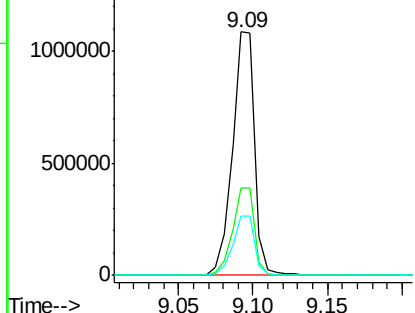
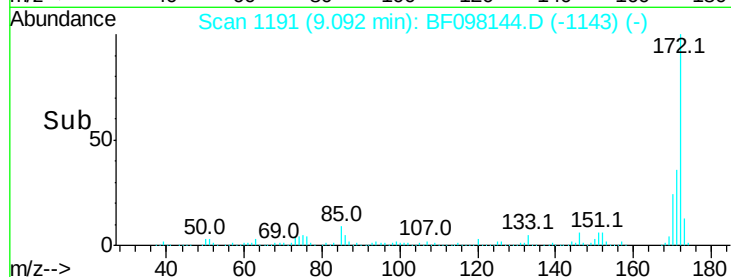
Instrument :  
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Tot Ion:172 Resp: 1135740  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.8  | 29.6  | 44.4  |
| 170 | 24.2  | 19.8  | 29.8  |



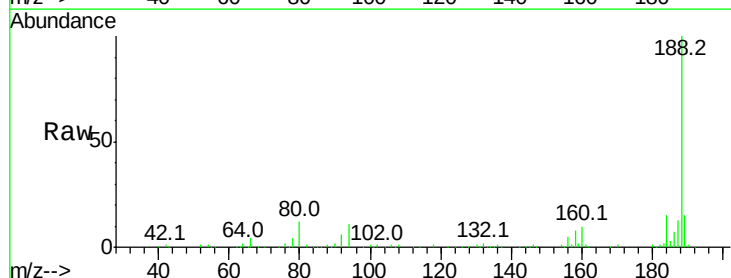
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



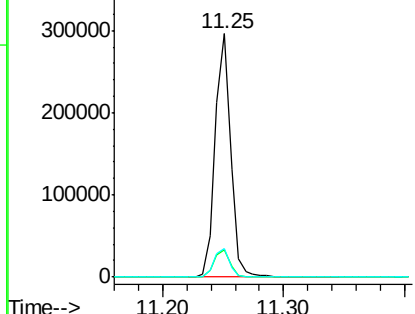
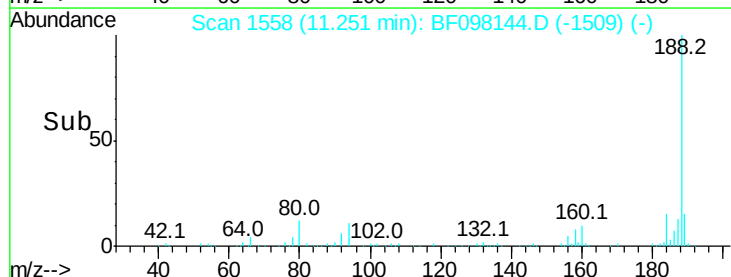
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.25 min Scan# 1558  
 Delta R.T. -0.01 min  
 Lab File: BF098144.D  
 Acq: 30 Aug 2017 8:02

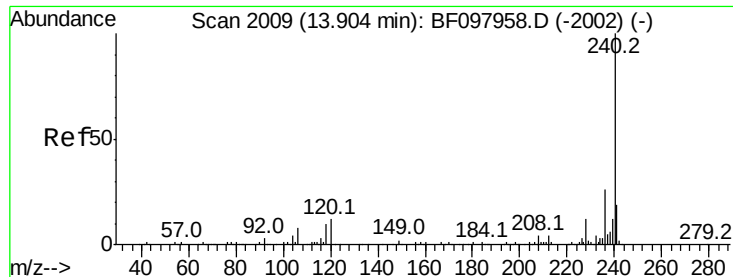
Tgt Ion:188 Resp: 259366  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 11.0  | 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: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098144.D

Acq: 30 Aug 2017 8:02

Instrument :

BNA\_F

ClientSampleId :

BERGEN-GEN-S1-COMP

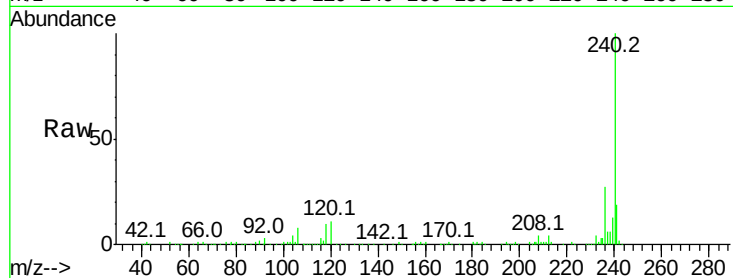
Tot Ion:240 Resp: 244075

Ion Ratio Lower Upper

240 100

120 11.4 5.8 8.8#

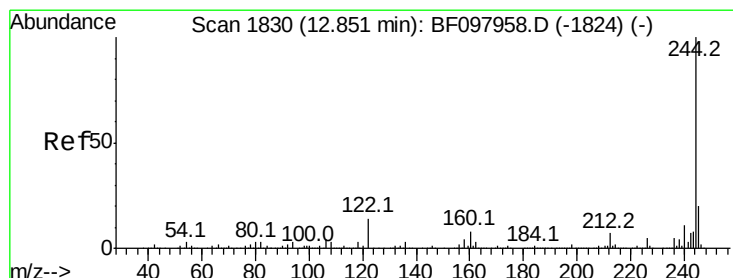
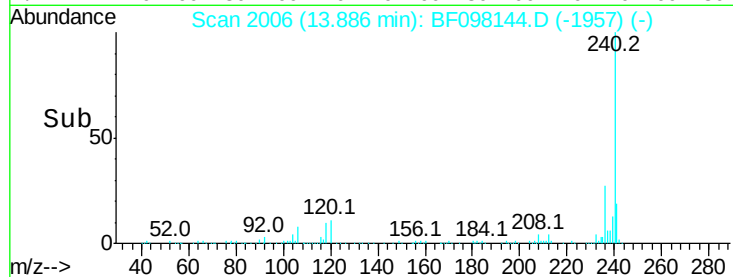
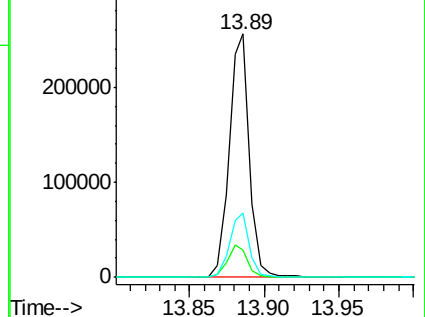
236 26.7 20.5 30.7



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: 59.435 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098144.D

Acq: 30 Aug 2017 8:02

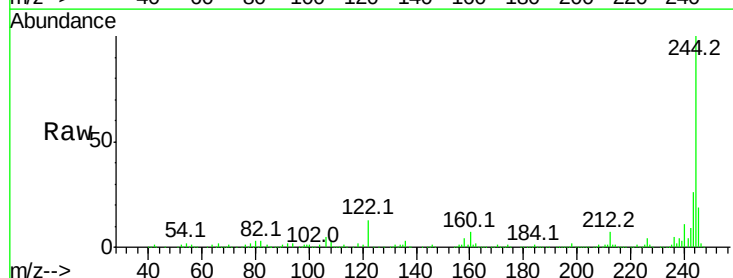
Tgt Ion:244 Resp: 695653

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

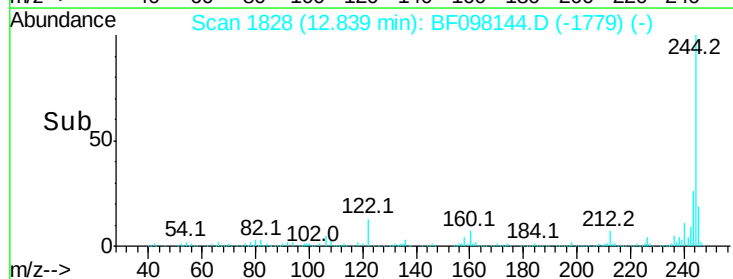
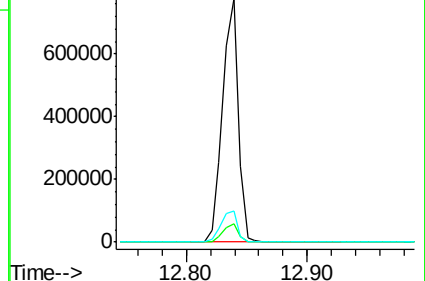
122 12.7 10.3 15.5



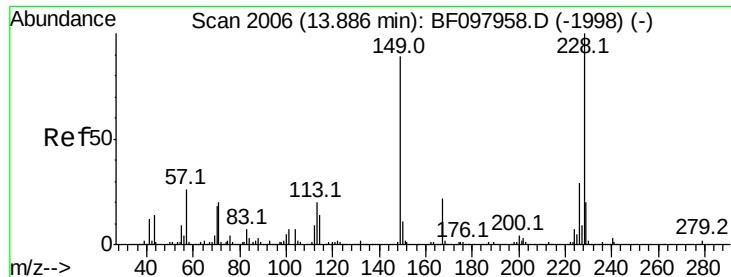
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#83

Bis(2-ethylhexyl)phthalate

Concen: 7.404 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF098144.D

Acq: 30 Aug 2017 8:02

Instrument :

BNA\_F

ClientSampleId :

BERGEN-GEN-S1-COMP

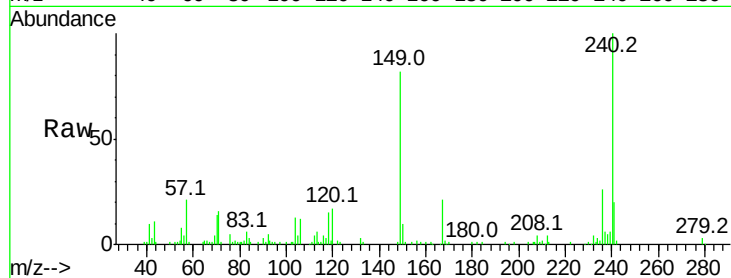
Tot Ion:149 Resp: 62798

Ion Ratio Lower Upper

149 100

167 25.5 21.0 31.4

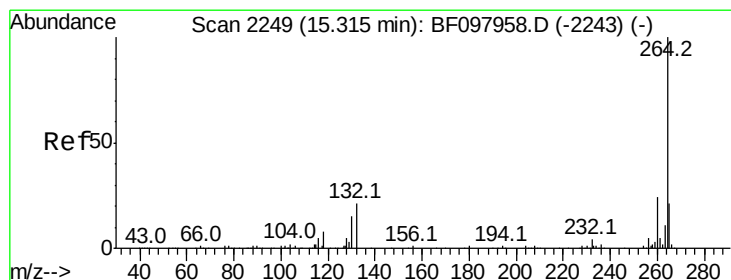
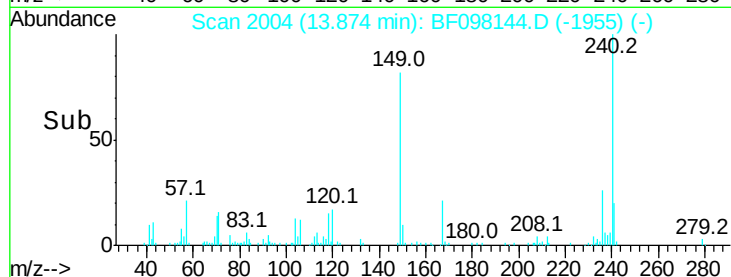
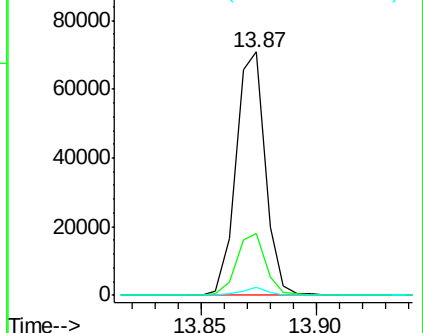
279 3.6 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BF098144.D

Acq: 30 Aug 2017 8:02

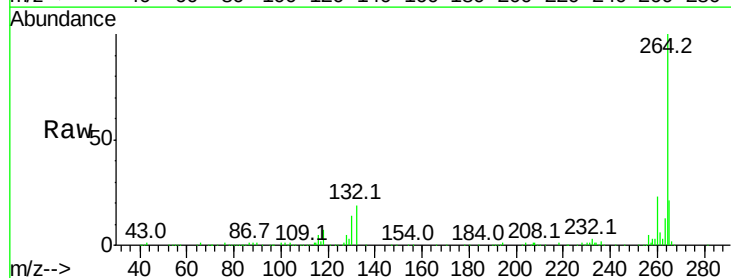
Tgt Ion:264 Resp: 209648

Ion Ratio Lower Upper

264 100

260 23.4 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

