

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043016\  
 Data File : BF086555.D  
 Acq On : 1 May 2016 7:07  
 Operator : UM/SJ  
 Sample : H2737-06  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BLIND-DUPLICATE-4-26-16

Quant Time: May 02 01:49:32 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 27 14:20:52 2016  
 Response via : Initial Calibration

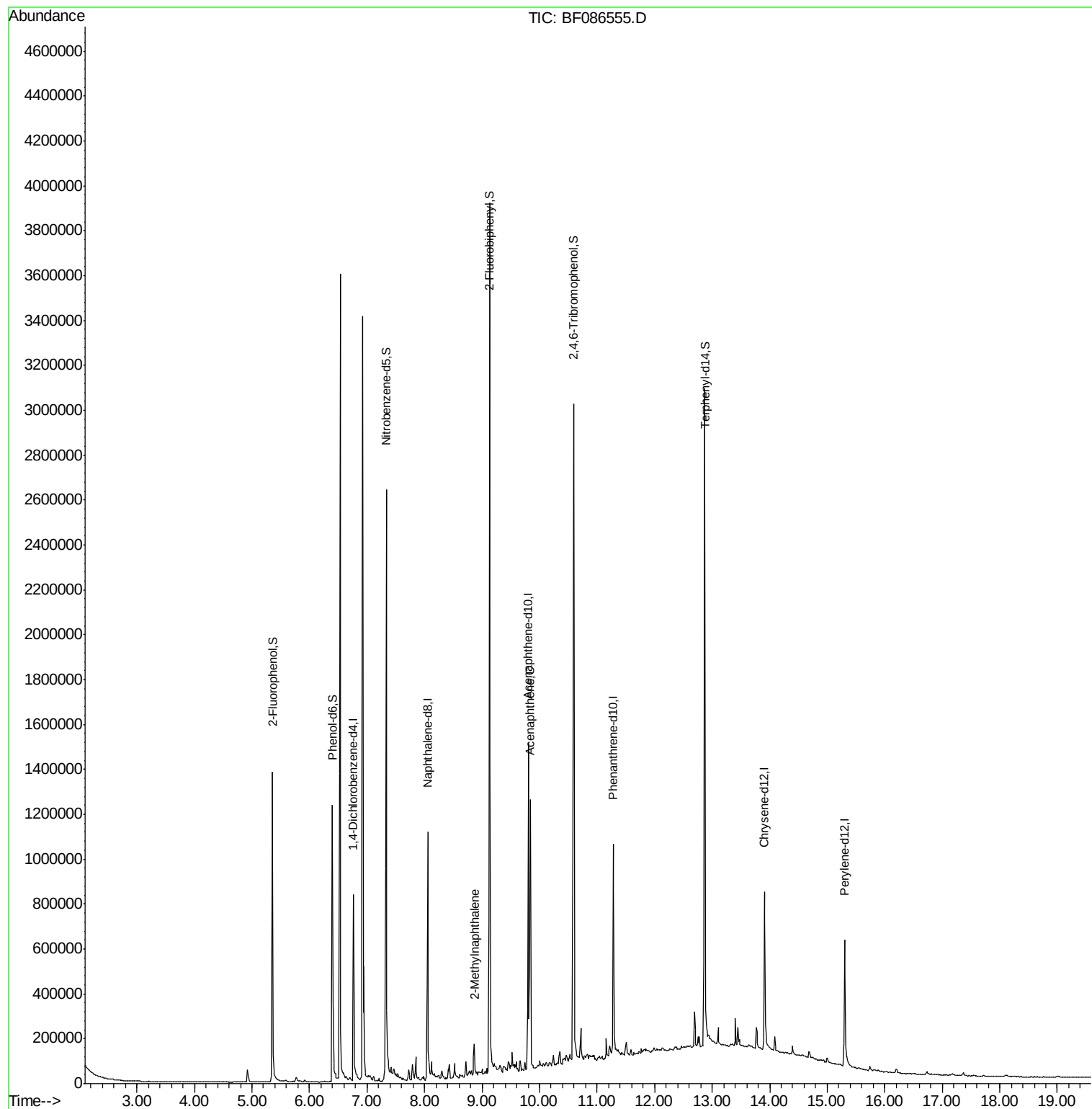
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 131114   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 8.05  | 136  | 575219   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10        | 9.80  | 164  | 279112   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 11.28 | 188  | 525233   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 13.91 | 240  | 388033   | 20.00  | ng    | -0.06    |
| 86) Perylene-d12            | 15.30 | 264  | 323738   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 514490   | 67.68  | ng    | -0.03    |
| 7) Phenol-d6                | 6.40  | 99   | 441068   | 41.57  | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 970246   | 90.92  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 362244   | 123.07 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 1406980  | 89.15  | ng    | -0.05    |
| 78) Terphenyl-d14           | 12.88 | 244  | 1418891  | 80.56  | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 37) 2-Methylnaphthalene     | 8.86  | 142  | 40054    | 2.32   | ng    | 96       |
| 51) Acenaphthene            | 9.84  | 154  | 283782   | 15.93  | ng    | 99       |

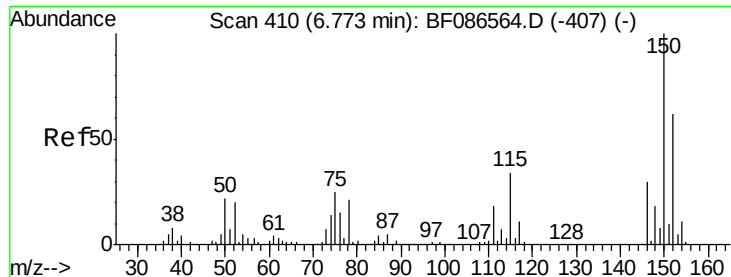
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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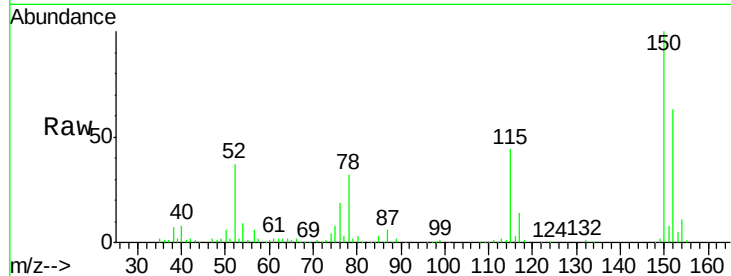


#1

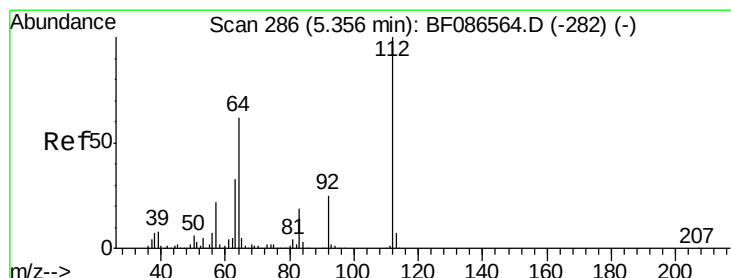
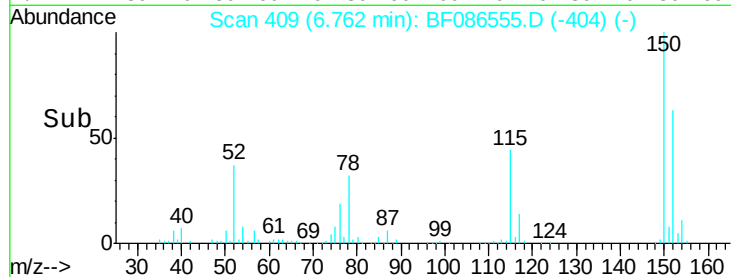
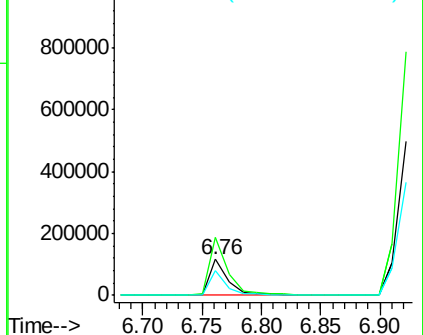
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.76 min Scan# 409  
 Delta R.T. -0.05 min  
 Lab File: BF086555.D  
 Acq: 1 May 2016 7:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BLIND-DUPLICATE-4-26-16

Tot Ion:152 Resp: 131114  
 Ion Ratio Lower Upper  
 152 100  
 150 159.7 125.8 188.6  
 115 69.8 51.5 77.3



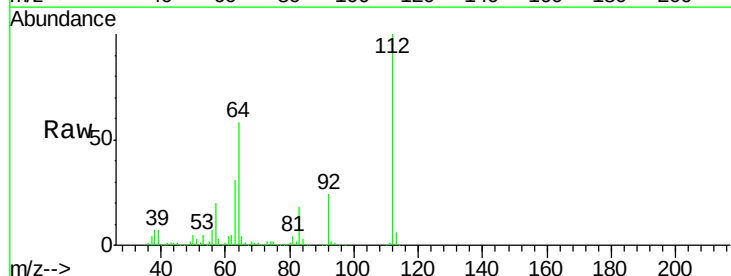
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



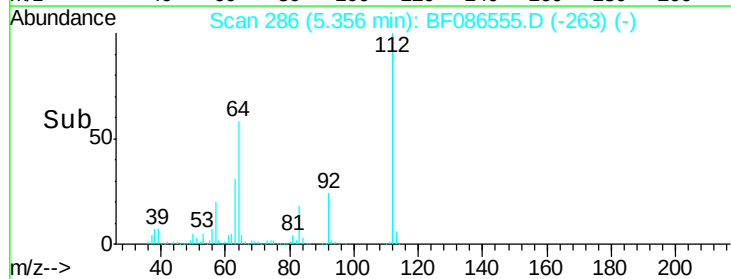
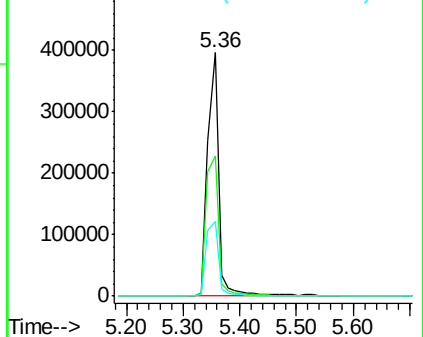
#5

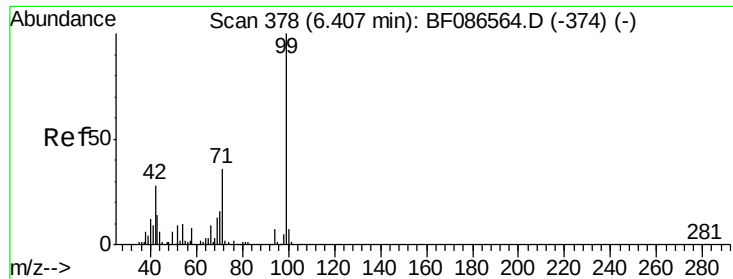
2-Fluorophenol  
 Concen: 67.68 ng  
 RT: 5.36 min Scan# 286  
 Delta R.T. -0.03 min  
 Lab File: BF086555.D  
 Acq: 1 May 2016 7:07

Tgt Ion:112 Resp: 514490  
 Ion Ratio Lower Upper  
 112 100  
 64 57.7 52.1 78.1  
 63 30.7 25.7 38.5



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: 41.57 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

Instrument :

BNA\_F

ClientSampleId :

BLIND-DUPLICATE-4-26-16

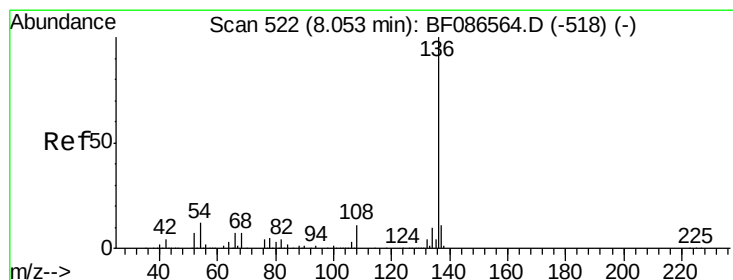
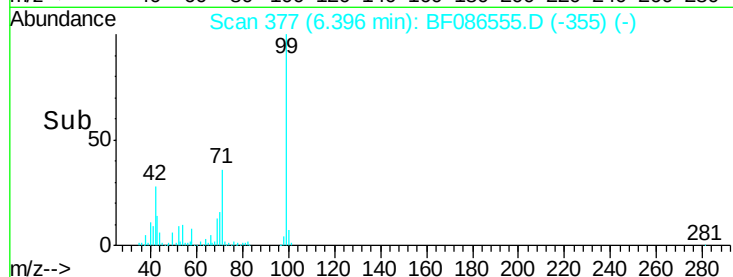
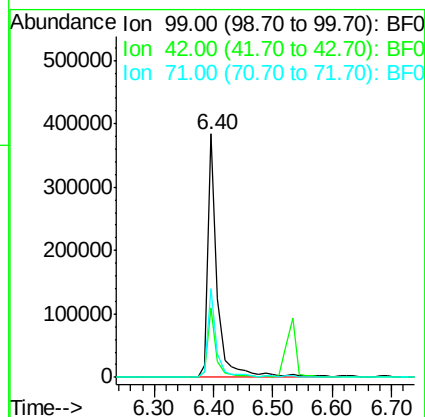
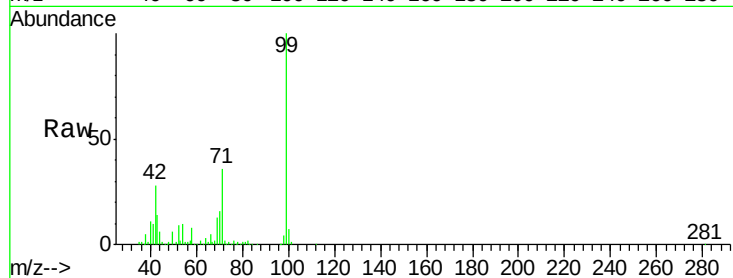
Tot Ion: 99 Resp: 441068

Ion Ratio Lower Upper

99 100

42 28.5 13.6 20.4#

71 36.2 24.6 36.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.05 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

Tgt Ion: 136 Resp: 575219

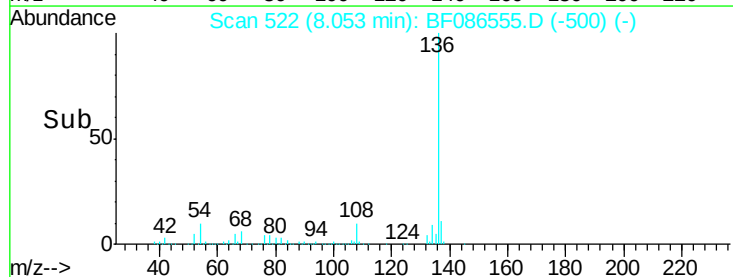
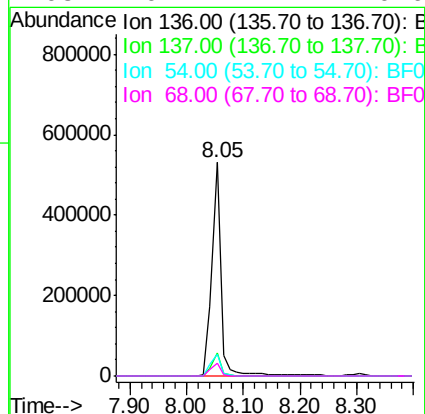
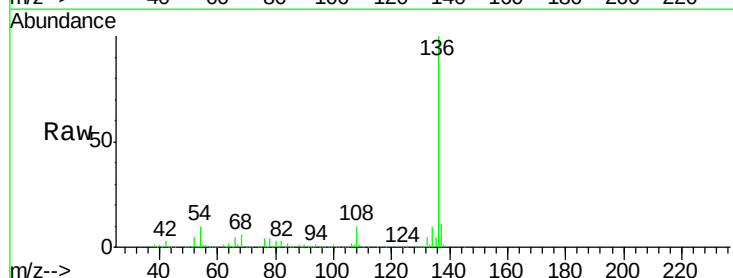
Ion Ratio Lower Upper

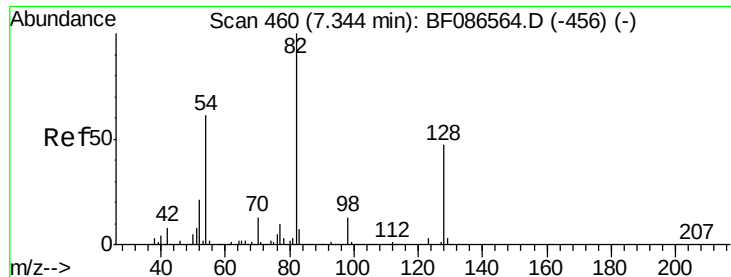
136 100

137 10.8 8.8 13.2

54 9.9 5.0 7.4#

68 6.1 4.4 6.6

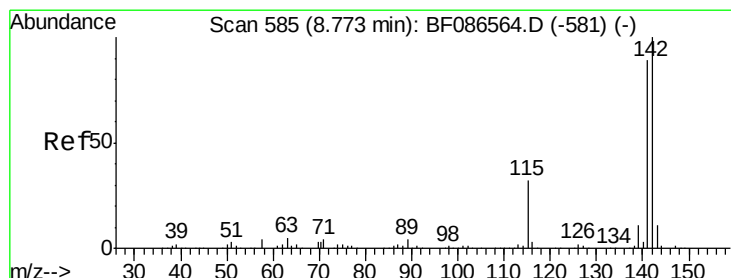
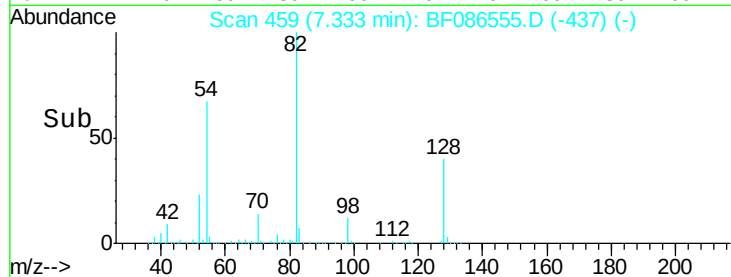
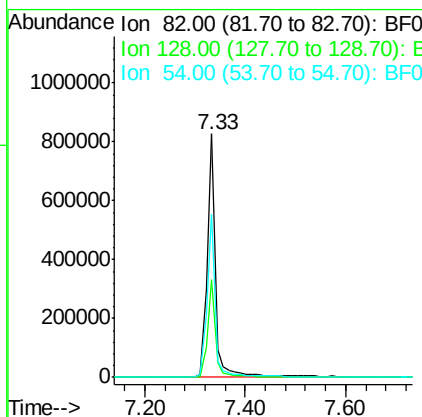
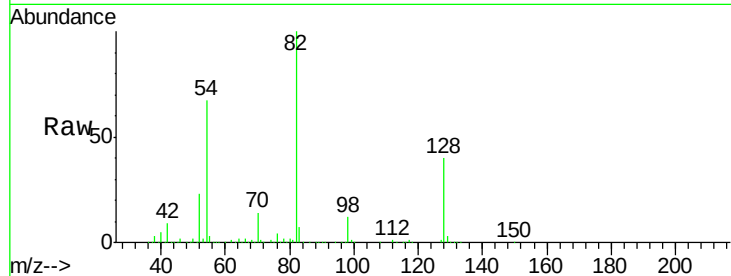




#23  
 Nitrobenzene-d5  
 Concen: 90.92 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.05 min  
 Lab File: BF086555.D  
 Acq: 1 May 2016 7:07

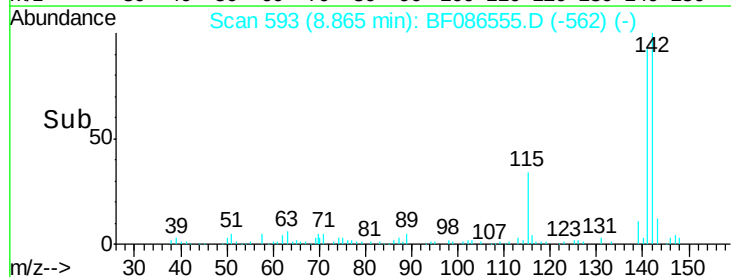
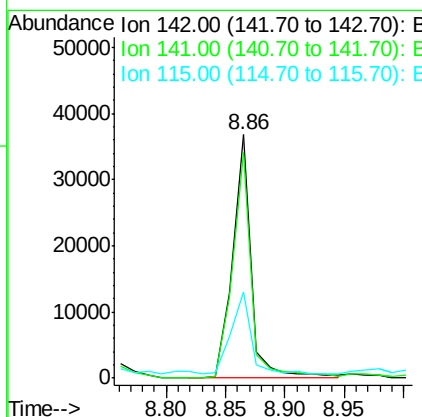
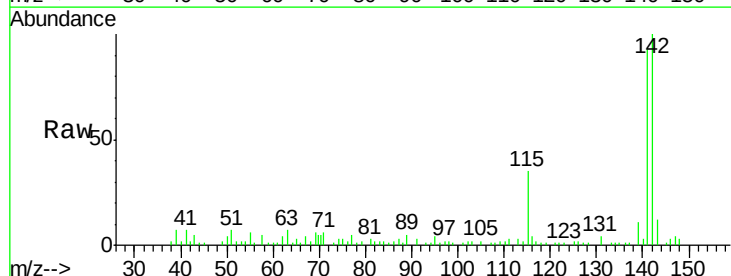
Instrument :  
 BNA\_F  
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 BLIND-DUPLICATE-4-26-16

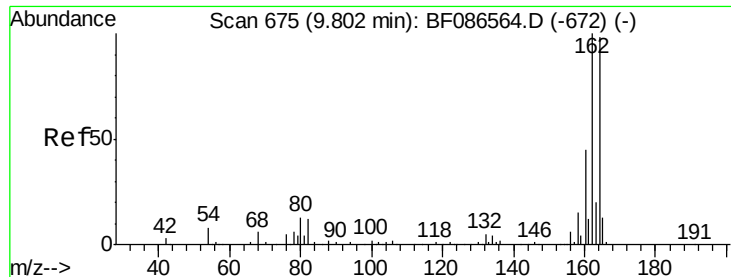
Tot Ion: 82 Resp: 970246  
 Ion Ratio Lower Upper  
 82 100  
 128 40.3 40.6 61.0#  
 54 66.8 38.1 57.1#



#37  
 2-Methylnaphthalene  
 Concen: 2.32 ng  
 RT: 8.86 min Scan# 593  
 Delta R.T. 0.06 min  
 Lab File: BF086555.D  
 Acq: 1 May 2016 7:07

Tgt Ion: 142 Resp: 40054  
 Ion Ratio Lower Upper  
 142 100  
 141 92.8 71.0 106.6  
 115 35.3 26.6 39.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.05 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

Instrument :

BNA\_F

ClientSampleId :

BLIND-DUPLICATE-4-26-16

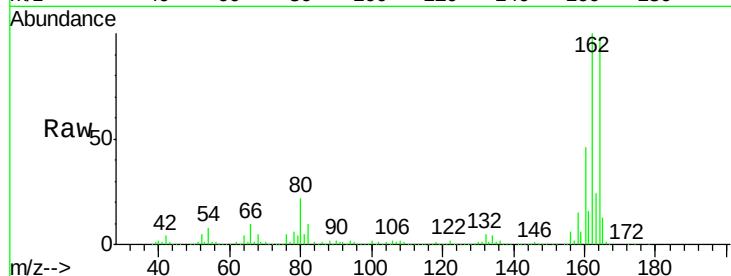
Tot Ion:164 Resp: 279112

Ion Ratio Lower Upper

164 100

162 102.3 82.8 124.2

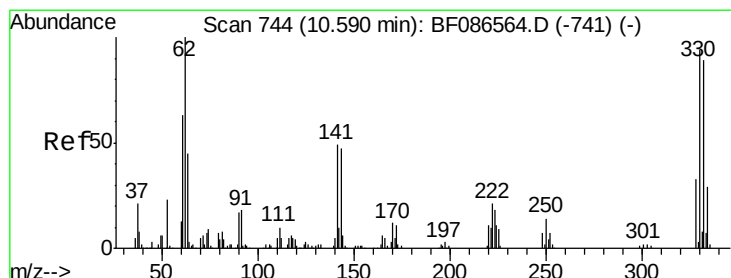
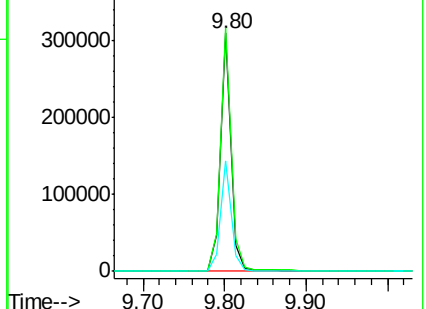
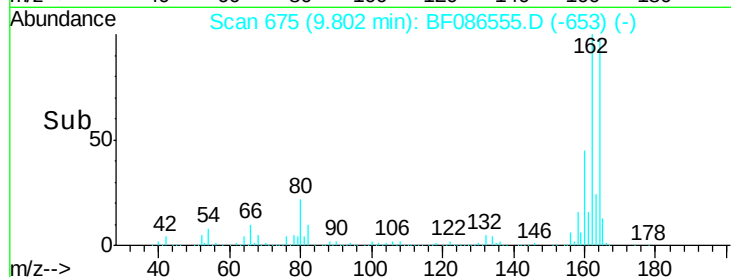
160 46.7 36.9 55.3



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: 123.07 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.05 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

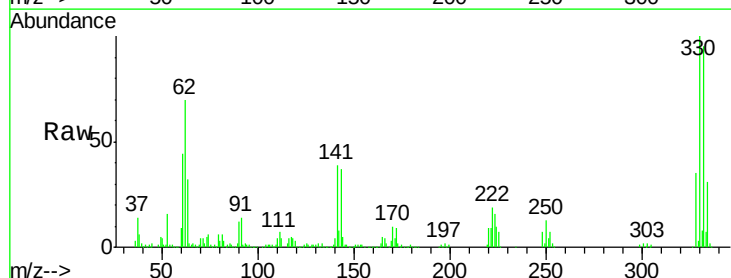
Tgt Ion:330 Resp: 362244

Ion Ratio Lower Upper

330 100

332 96.2 79.0 118.4

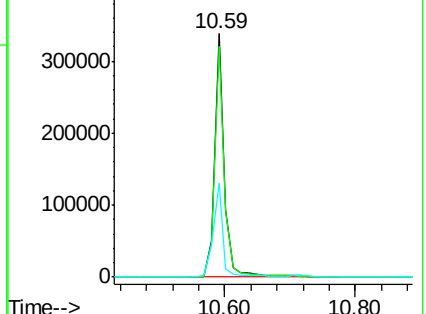
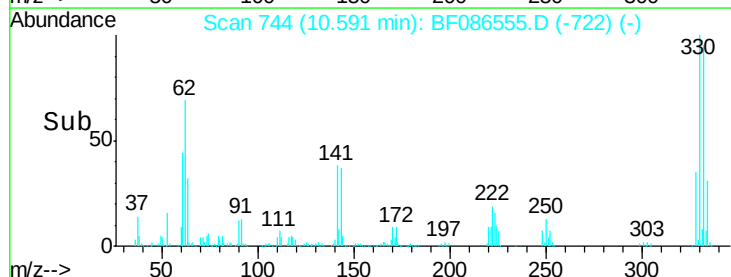
141 37.7 31.2 46.8

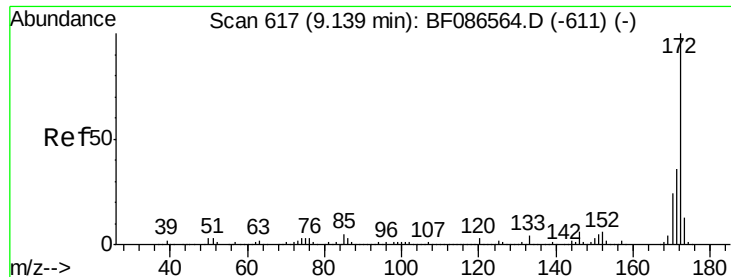


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

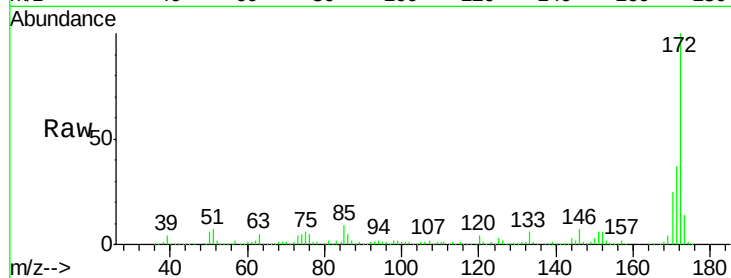




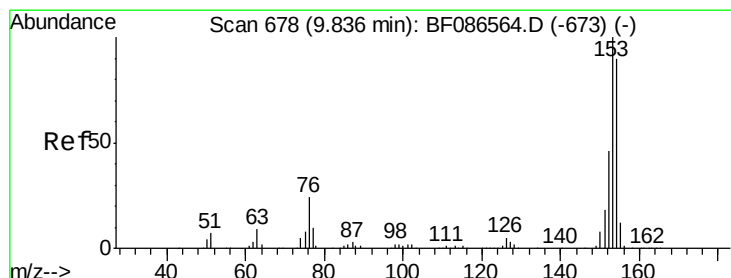
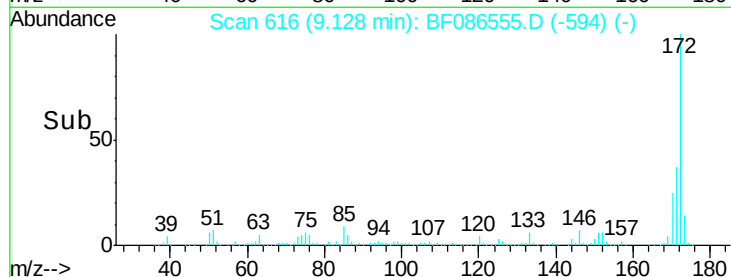
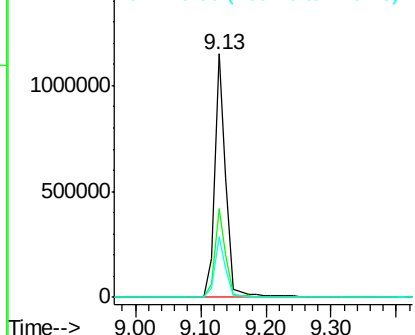
#44  
2-Fluorobiphenyl  
Concen: 89.15 ng  
RT: 9.13 min Scan# 616  
Delta R.T. -0.05 min  
Lab File: BF086555.D  
Acq: 1 May 2016 7:07

Instrument :  
BNA\_F  
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BLIND-DUPLICATE-4-26-16

Tot Ion:172 Resp: 1406980  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.0 43.6  
170 24.7 19.8 29.8

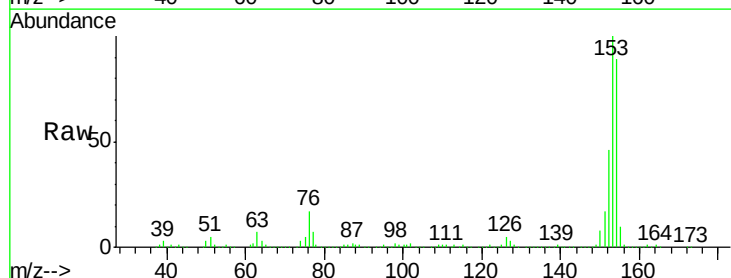


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

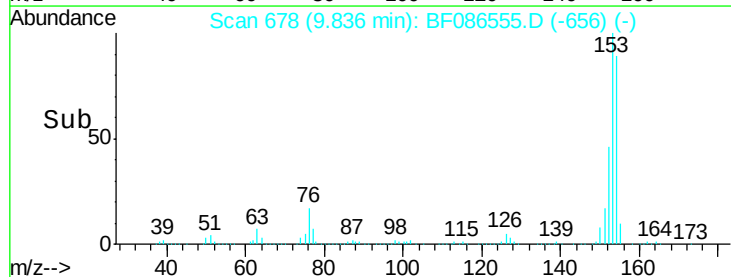
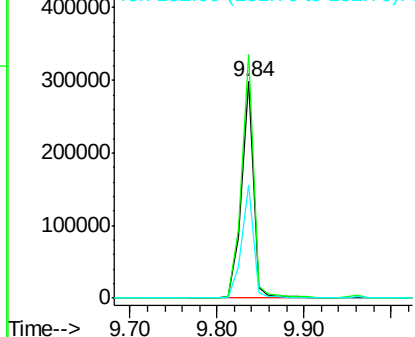


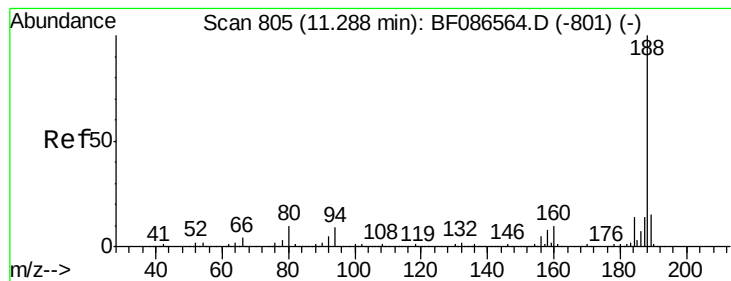
#51  
Acenaphthene  
Concen: 15.93 ng  
RT: 9.84 min Scan# 678  
Delta R.T. -0.05 min  
Lab File: BF086555.D  
Acq: 1 May 2016 7:07

Tgt Ion:154 Resp: 283782  
Ion Ratio Lower Upper  
154 100  
153 112.4 89.8 134.6  
152 51.9 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.05 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

Instrument :

BNA\_F

ClientSampleId :

BLIND-DUPLICATE-4-26-16

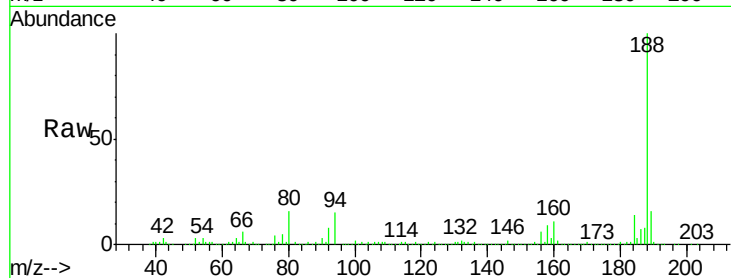
Tot Ion:188 Resp: 525233

Ion Ratio Lower Upper

188 100

94 14.9 6.8 10.2#

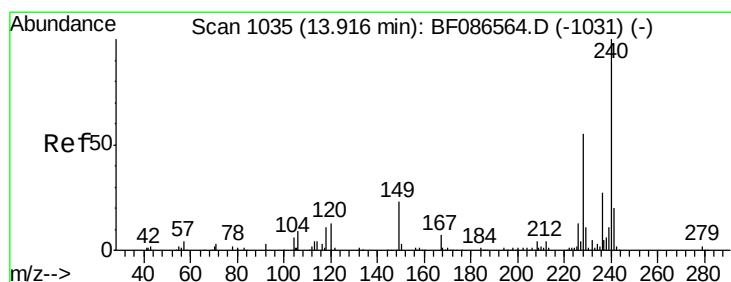
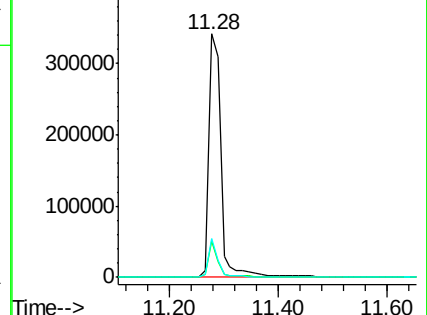
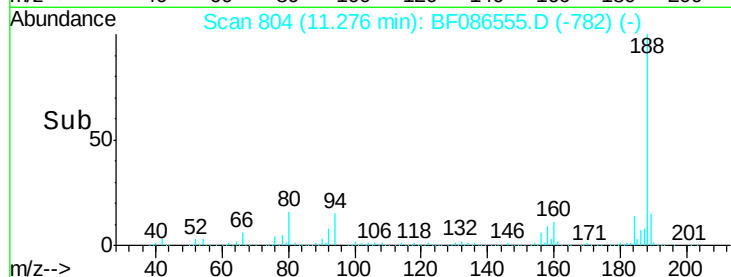
80 16.2 7.1 10.7#



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: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

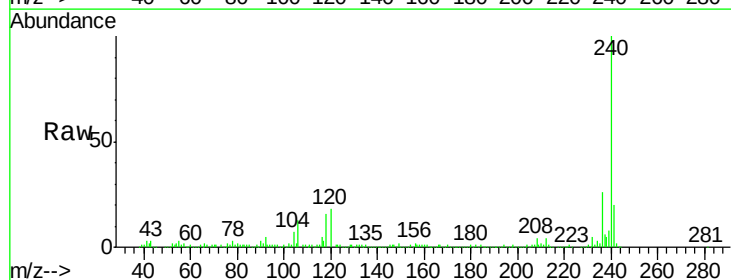
Tgt Ion:240 Resp: 388033

Ion Ratio Lower Upper

240 100

120 18.3 11.2 16.8#

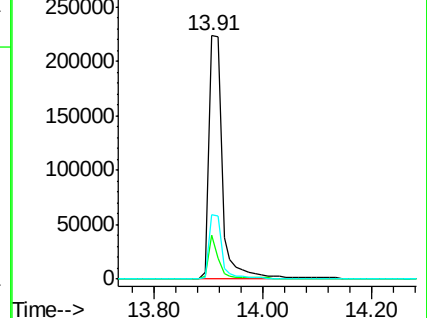
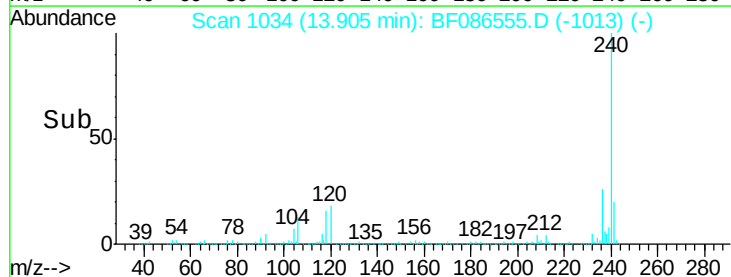
236 26.4 21.2 31.8



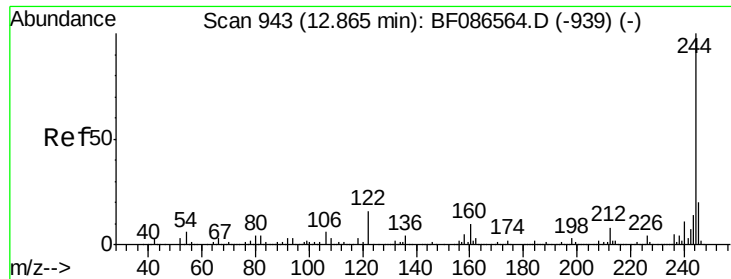
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



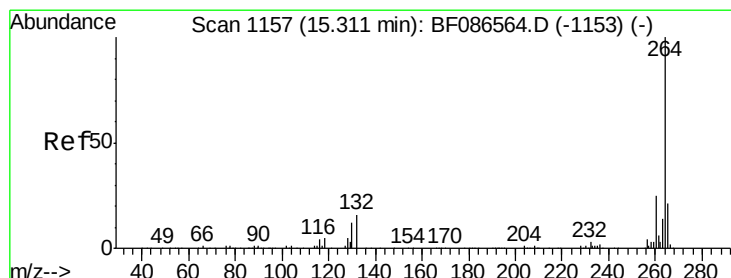
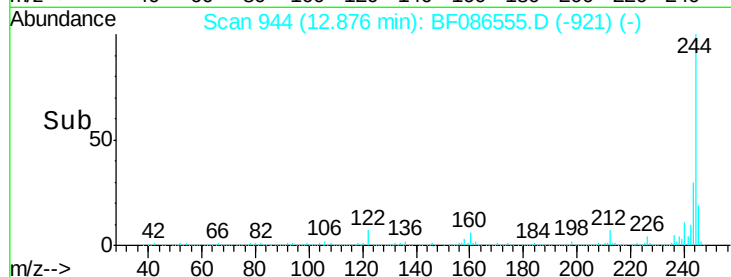
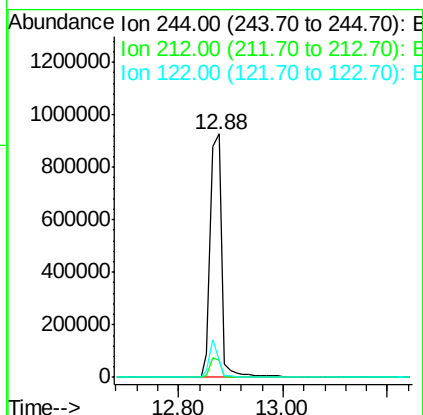
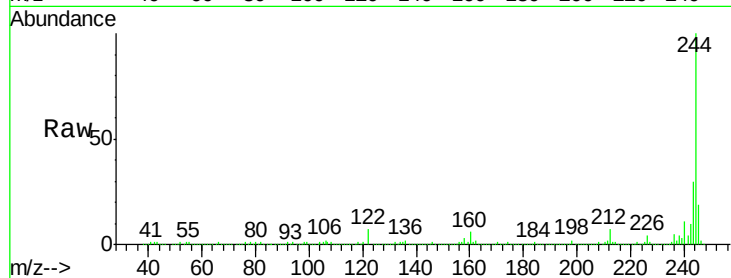




#78  
 Terphenyl-d14  
 Concen: 80.56 ng  
 RT: 12.88 min Scan# 944  
 Delta R.T. -0.03 min  
 Lab File: BF086555.D  
 Acq: 1 May 2016 7:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BLIND-DUPLICATE-4-26-16

Tot Ion:244 Resp: 1418891  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.2 9.2  
 122 7.0 12.0 18.0#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.30 min Scan# 1156  
 Delta R.T. -0.06 min  
 Lab File: BF086555.D  
 Acq: 1 May 2016 7:07

Tgt Ion:264 Resp: 323738  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.5 29.3  
 265 21.8 17.3 25.9

