

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
 Data File : BF087568.D  
 Acq On : 31 May 2016 1:37  
 Operator : UM/SJ  
 Sample : H3249-05  
 Misc :  
 ALS Vial : 86 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FLATBUSH-FB-1-5-23-16

Quant Time: May 31 02:04:39 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 31 00:45:12 2016  
 Response via : Initial Calibration

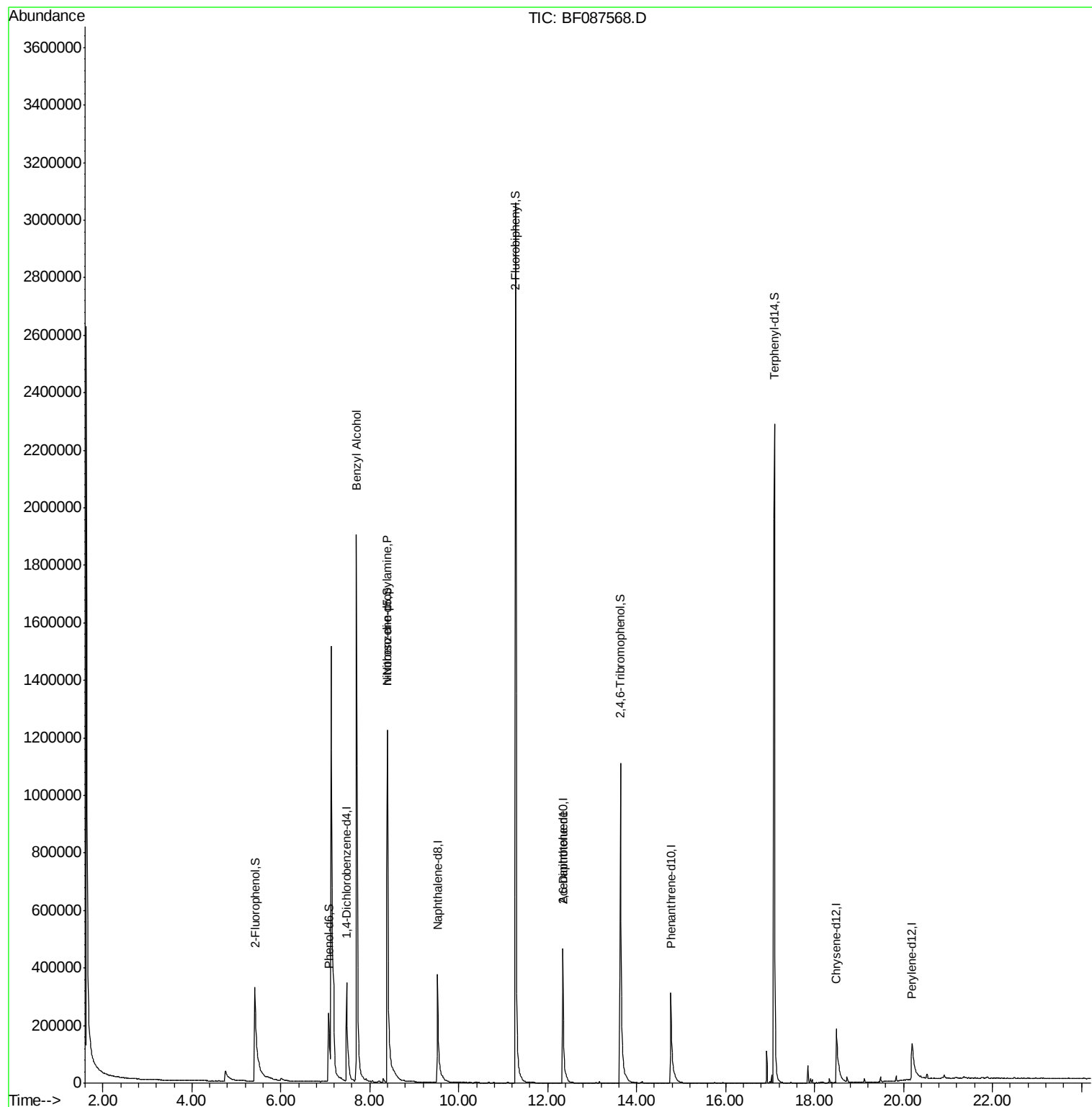
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.48  | 152  | 103612   | 20.00  | ng    | 0.01     |
| 21) Naphthalene-d8             | 9.52  | 136  | 411997   | 20.00  | ng    | 0.01     |
| 38) Acenaphthene-d10           | 12.34 | 164  | 198470   | 20.00  | ng    | 0.01     |
| 63) Phenanthrene-d10           | 14.77 | 188  | 340465   | 20.00  | ng    | 0.02     |
| 75) Chrysene-d12               | 18.49 | 240  | 243973   | 20.00  | ng    | 0.05     |
| 86) Perylene-d12               | 20.19 | 264  | 185206   | 20.00  | ng    | 0.07     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.42  | 112  | 327935   | 55.61  | ng    | 0.05     |
| 7) Phenol-d6                   | 7.07  | 99   | 235692   | 29.58  | ng    | 0.03     |
| 23) Nitrobenzene-d5            | 8.40  | 82   | 788740   | 96.48  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 13.63 | 330  | 219430   | 115.05 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 11.28 | 172  | 1300222  | 92.36  | ng    | -0.01    |
| 78) Terphenyl-d14              | 17.10 | 244  | 1118629  | 97.48  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.70  | 79   | 14149    | 2.44   | ng    | # 49     |
| 19) n-Nitroso-di-n-propylamine | 8.40  | 70   | 95402    | 16.06  | ng    | # 74     |
| 50) 2,6-Dinitrotoluene         | 12.34 | 165  | 19901    | 6.21   | ng    | # 18     |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. 0.01 min

Lab File: BF087568.D

Acq: 31 May 2016 1:37

Instrument :

BNA\_F

ClientSampleId :

FLATBUSH-FB-1-5-23-16

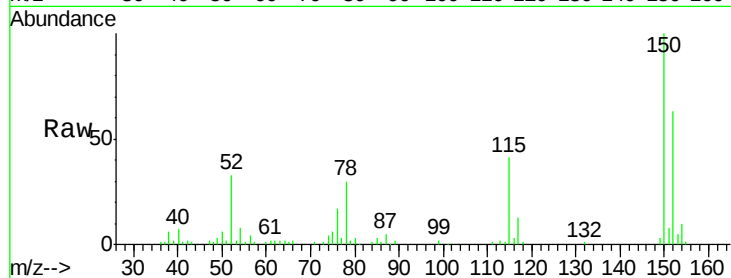
Tgt Ion:152 Resp: 103612

Ion Ratio Lower Upper

152 100

150 157.8 125.8 188.6

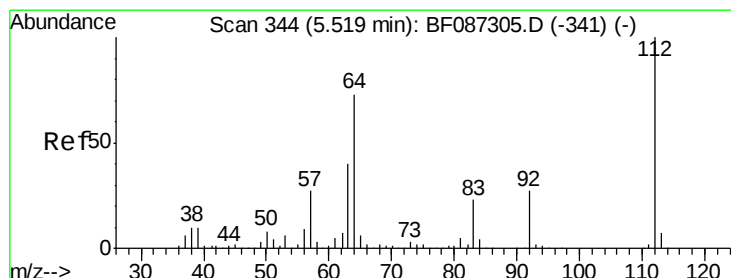
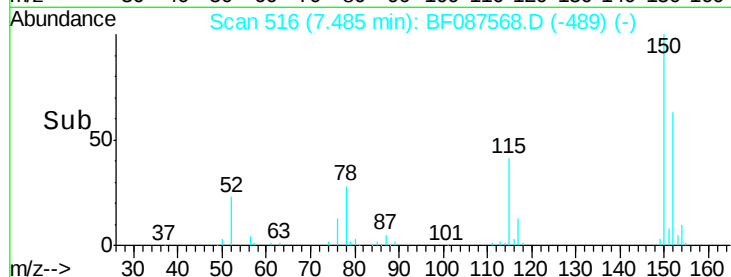
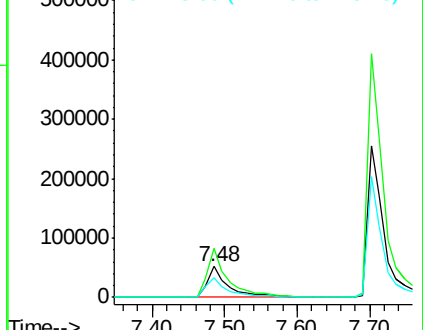
115 65.2 51.5 77.3



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: 55.61 ng

RT: 5.42 min Scan# 335

Delta R.T. 0.05 min

Lab File: BF087568.D

Acq: 31 May 2016 1:37

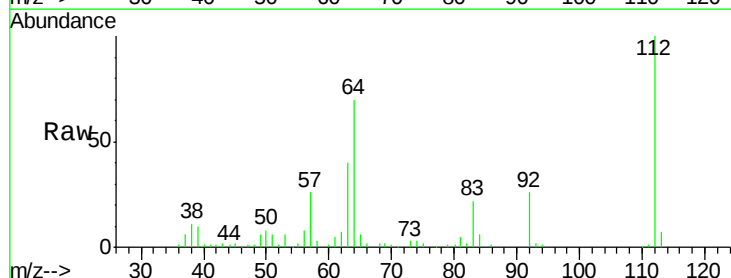
Tgt Ion:112 Resp: 327935

Ion Ratio Lower Upper

112 100

64 69.8 52.1 78.1

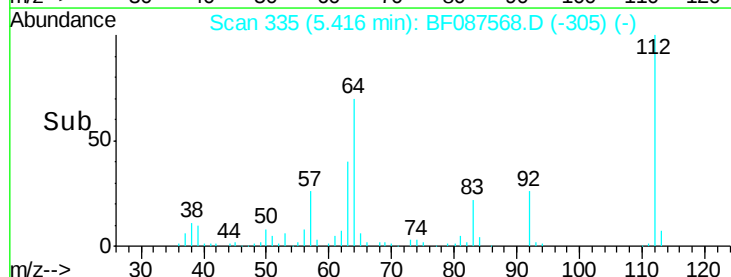
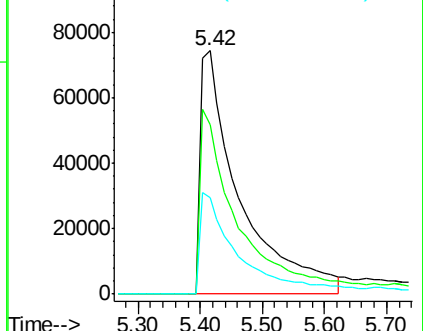
63 39.7 25.7 38.5#



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: 29.58 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.03 min

Lab File: BF087568.D

Acq: 31 May 2016 1:37

Instrument :

BNA\_F

ClientSampleId :

FLATBUSH-FB-1-5-23-16

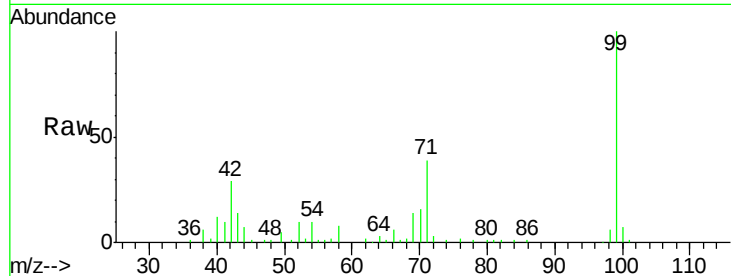
Tgt Ion: 99 Resp: 235692

Ion Ratio Lower Upper

99 100

42 29.0 13.6 20.4#

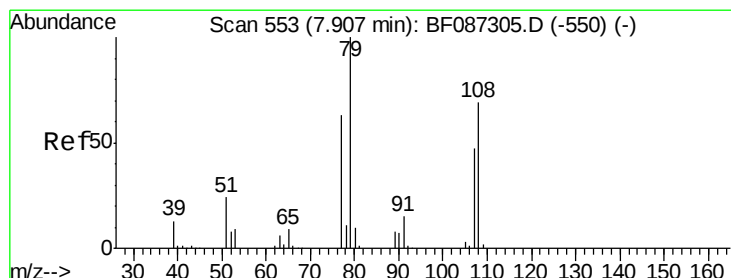
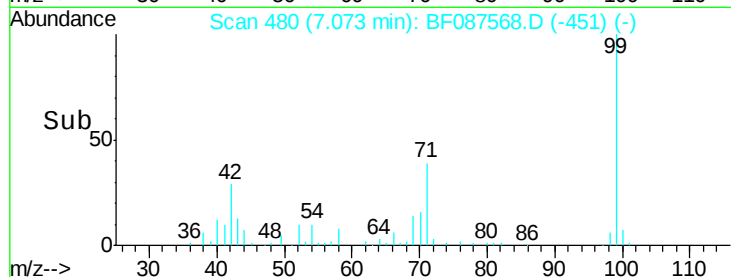
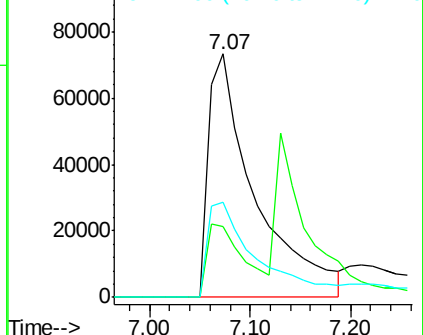
71 39.0 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.44 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.08 min

Lab File: BF087568.D

Acq: 31 May 2016 1:37

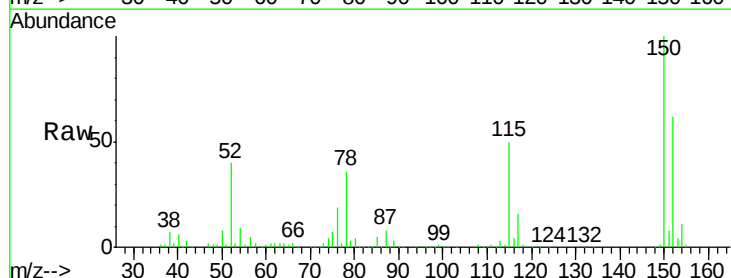
Tgt Ion: 79 Resp: 14149

Ion Ratio Lower Upper

79 100

108 32.4 68.4 102.6#

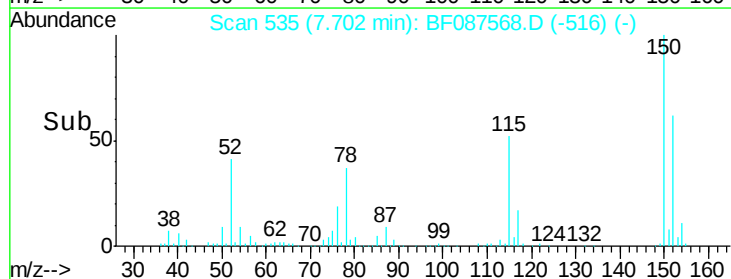
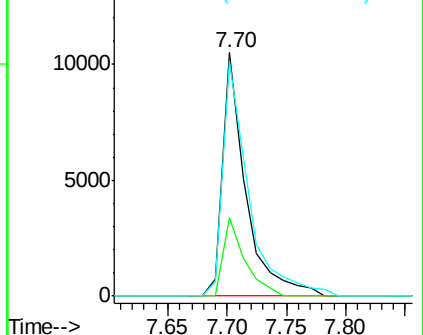
77 96.4 50.6 76.0#

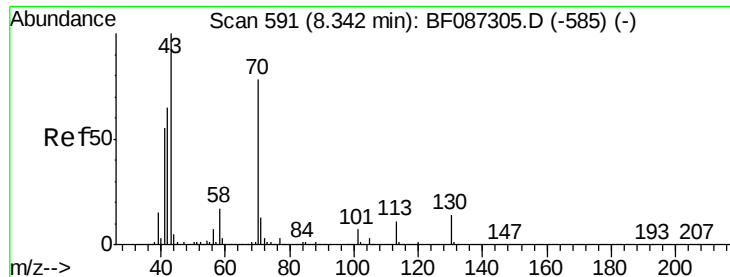


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

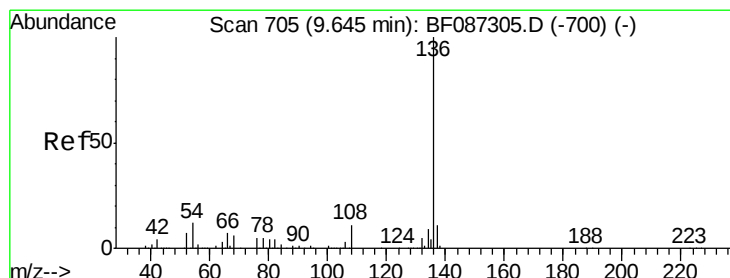
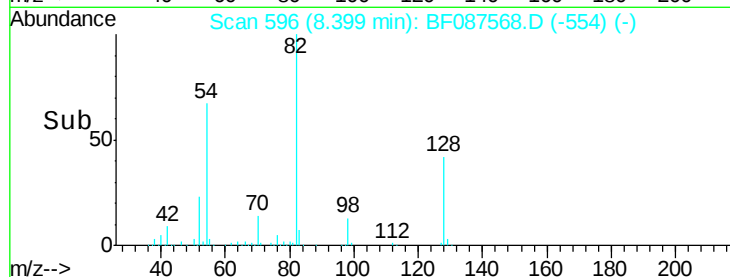
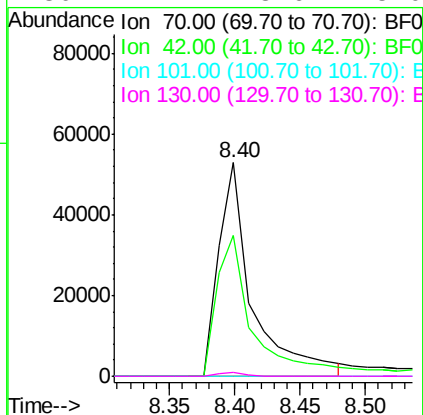
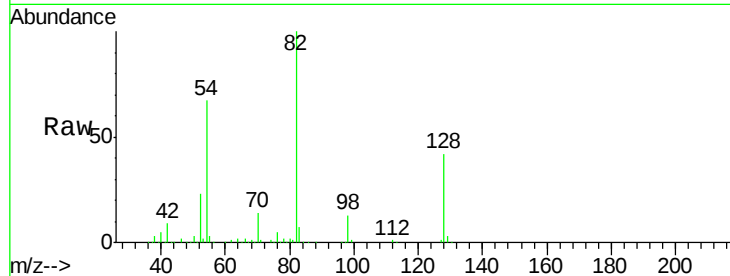




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.06 ng  
RT: 8.40 min Scan# 596  
Delta R.T. 0.18 min  
Lab File: BF087568.D  
Acq: 31 May 2016 1:37

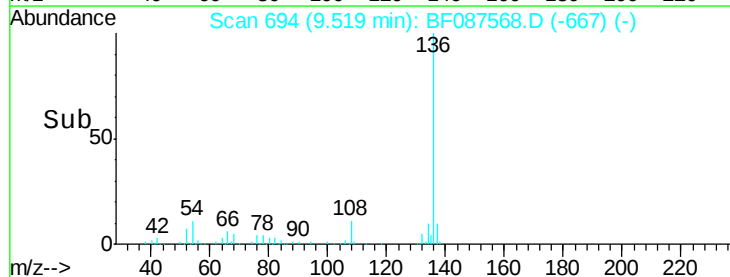
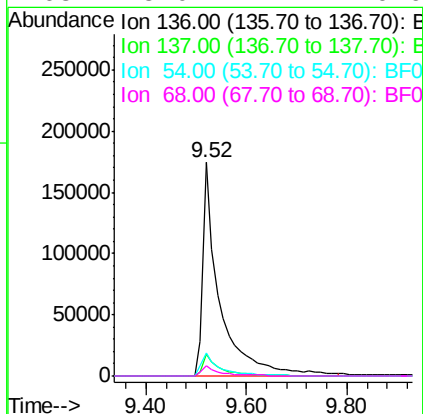
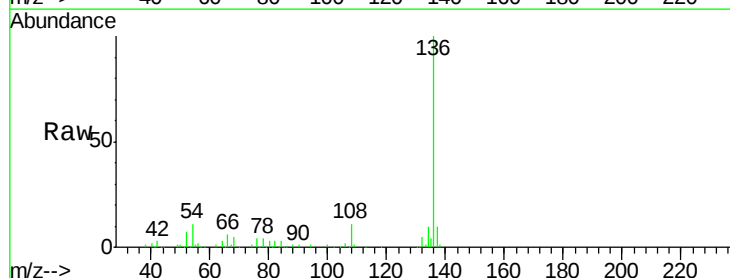
Instrument :  
BNA\_F  
ClientSampleId :  
FLATBUSH-FB-1-5-23-16

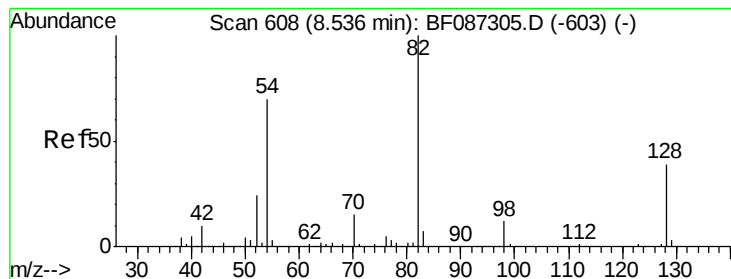
Tgt Ion: 70 Resp: 95402  
Ion Ratio Lower Upper  
70 100  
42 66.2 43.1 64.7#  
101 0.0 8.1 12.1#  
130 1.7 18.6 28.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.52 min Scan# 694  
Delta R.T. 0.01 min  
Lab File: BF087568.D  
Acq: 31 May 2016 1:37

Tgt Ion: 136 Resp: 411997  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.8 13.2  
54 10.9 5.0 7.4#  
68 5.0 4.4 6.6





#23

Nitrobenzene-d5

Concen: 96.48 ng

RT: 8.40 min Scan# 596

Delta R.T. -0.01 min

Lab File: BF087568.D

Acq: 31 May 2016 1:37

Instrument :

BNA\_F

ClientSampleId :

FLATBUSH-FB-1-5-23-16

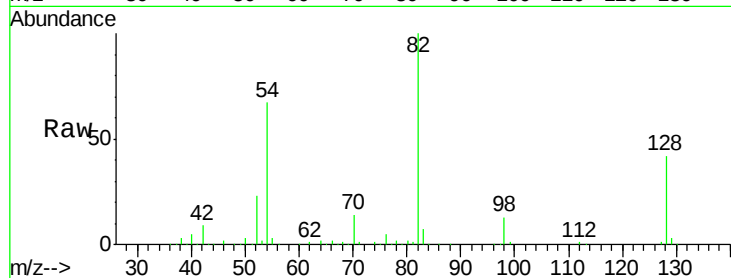
Tgt Ion: 82 Resp: 788740

Ion Ratio Lower Upper

82 100

128 41.9 40.6 61.0

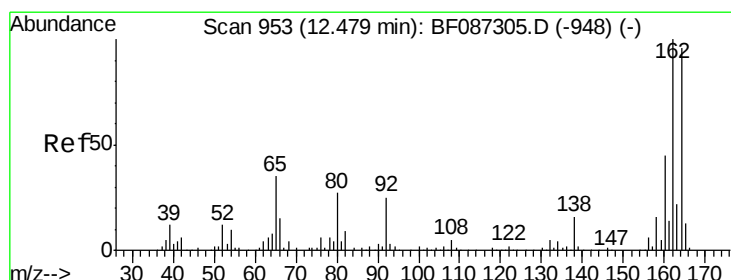
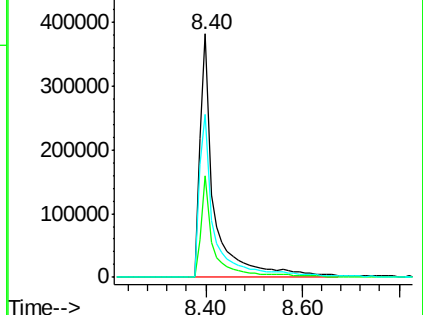
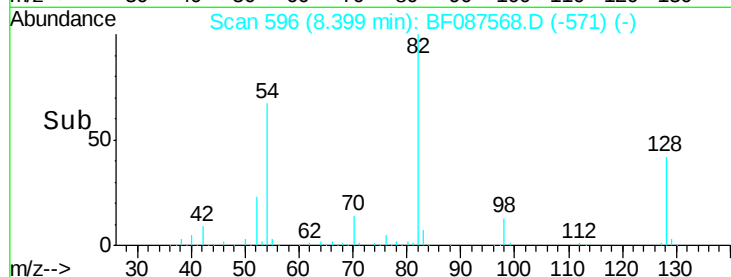
54 66.7 38.1 57.1#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.34 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF087568.D

Acq: 31 May 2016 1:37

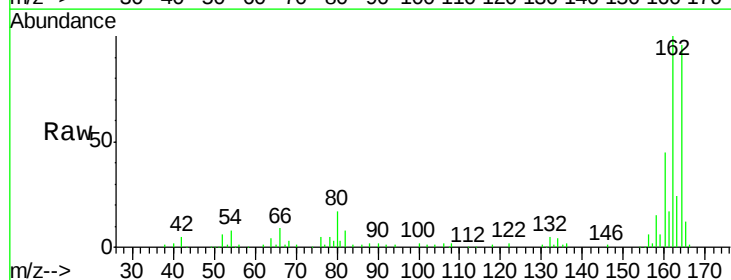
Tgt Ion: 164 Resp: 198470

Ion Ratio Lower Upper

164 100

162 103.8 82.8 124.2

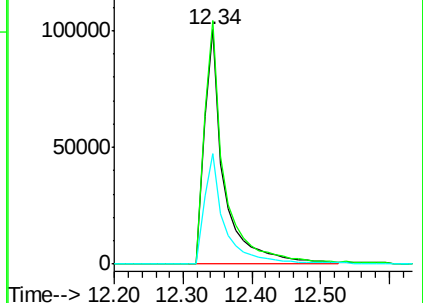
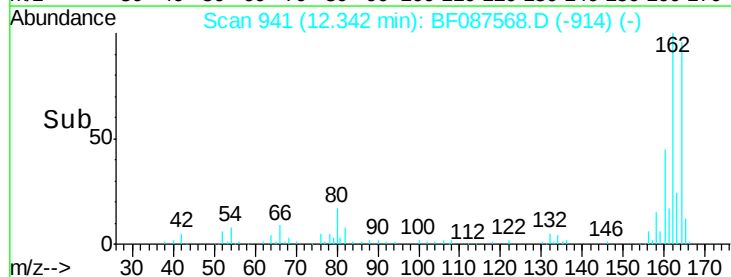
160 47.2 36.9 55.3

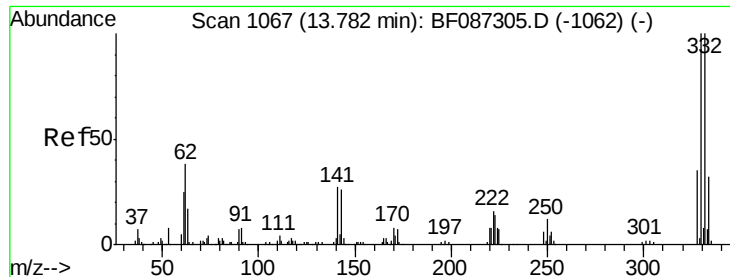


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

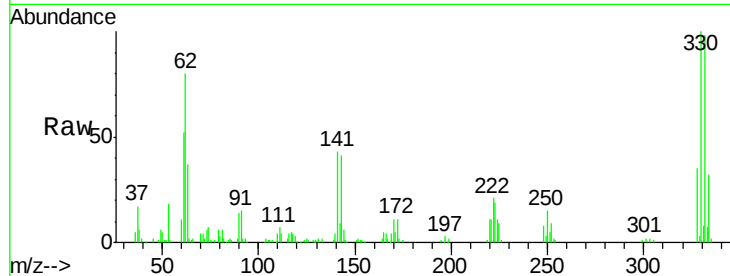




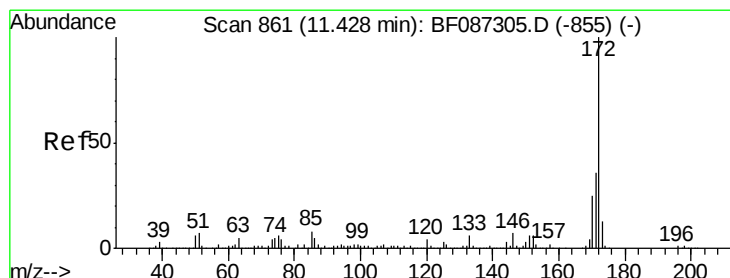
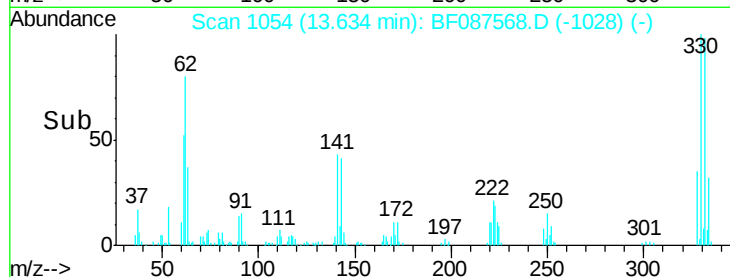
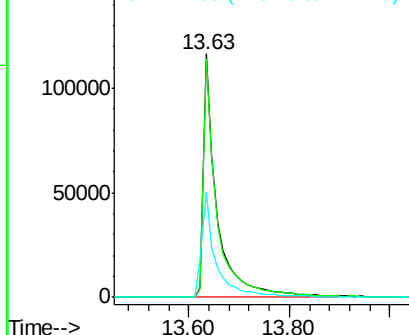
#41  
 2,4,6-Tribromophenol  
 Concen: 115.05 ng  
 RT: 13.63 min Scan# 1054  
 Delta R.T. 0.00 min  
 Lab File: BF087568.D  
 Acq: 31 May 2016 1:37

Instrument :  
 BNA\_F  
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 FLATBUSH-FB-1-5-23-16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.8  | 79.0  | 118.4 |
| 141     | 45.8  | 31.2  | 46.8  |

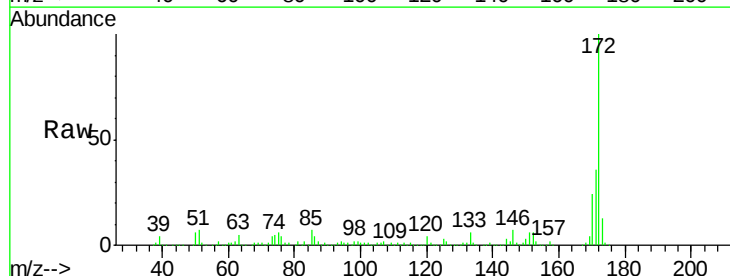


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

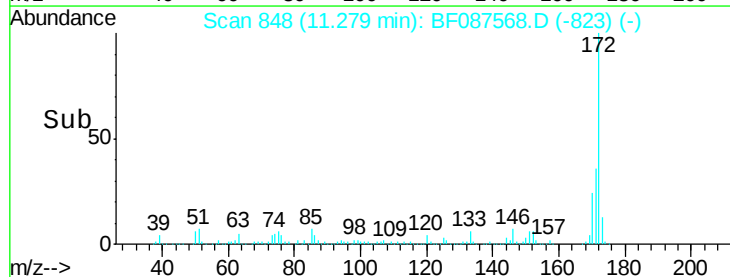
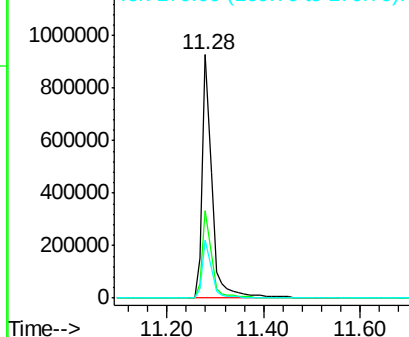


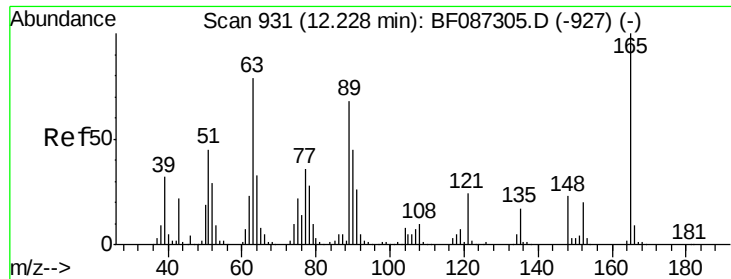
#44  
 2-Fluorobiphenyl  
 Concen: 92.36 ng  
 RT: 11.28 min Scan# 848  
 Delta R.T. -0.01 min  
 Lab File: BF087568.D  
 Acq: 31 May 2016 1:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.0  | 43.6  |
| 170     | 24.0  | 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





#50

2,6-Dinitrotoluene

Concen: 6.21 ng

RT: 12.34 min Scan# 941

Delta R.T. 0.24 min

Lab File: BF087568.D

Acq: 31 May 2016 1:37

Instrument :

BNA\_F

ClientSampleId :

FLATBUSH-FB-1-5-23-16

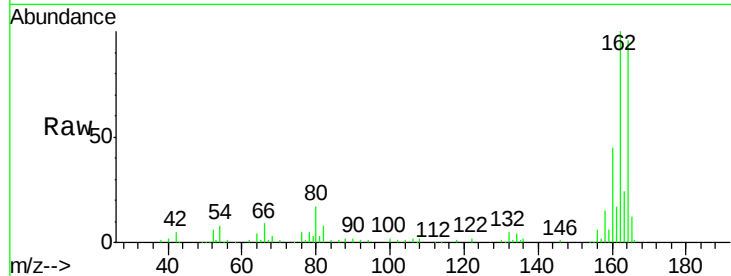
Tgt Ion:165 Resp: 19901

Ion Ratio Lower Upper

165 100

63 0.0 51.8 77.8#

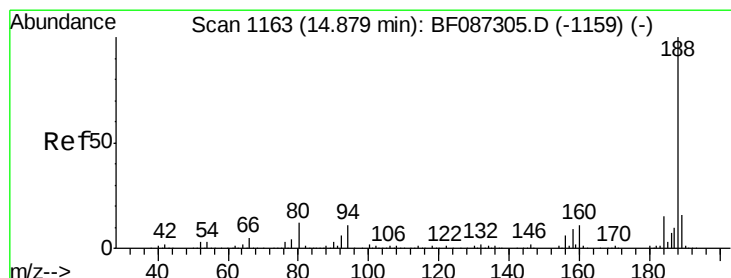
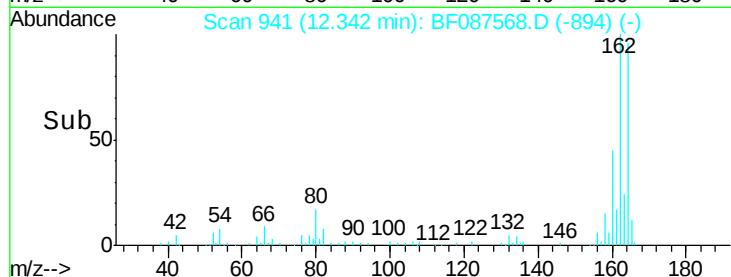
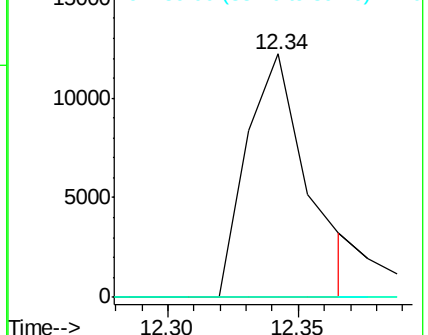
89 0.0 50.7 76.1#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.77 min Scan# 1153

Delta R.T. 0.02 min

Lab File: BF087568.D

Acq: 31 May 2016 1:37

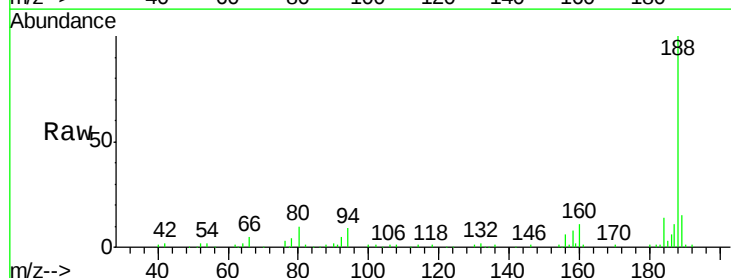
Tgt Ion:188 Resp: 340465

Ion Ratio Lower Upper

188 100

94 8.6 6.8 10.2

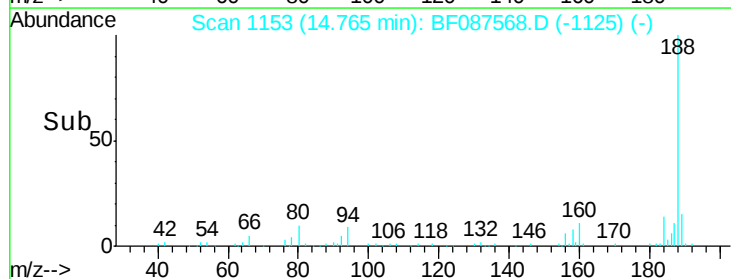
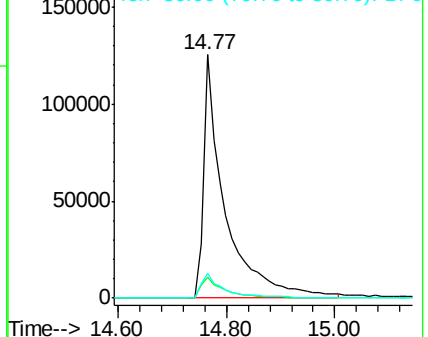
80 10.1 7.1 10.7



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: 18.49 min Scan# 1479

Delta R.T. 0.05 min

Lab File: BF087568.D

Acq: 31 May 2016 1:37

Instrument :

BNA\_F

ClientSampleId :

FLATBUSH-FB-1-5-23-16

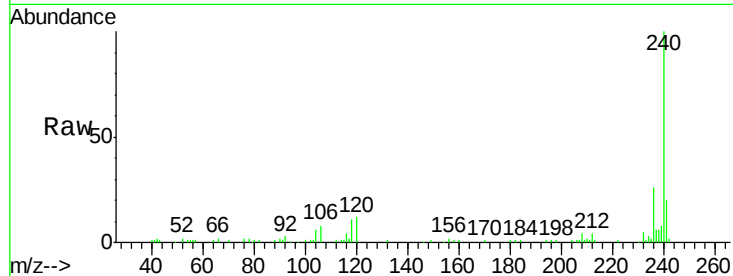
Tgt Ion:240 Resp: 243973

Ion Ratio Lower Upper

240 100

120 12.3 11.2 16.8

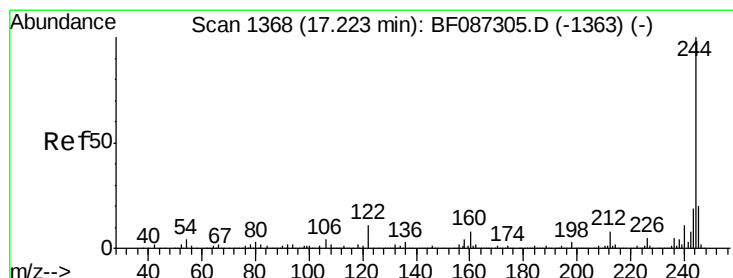
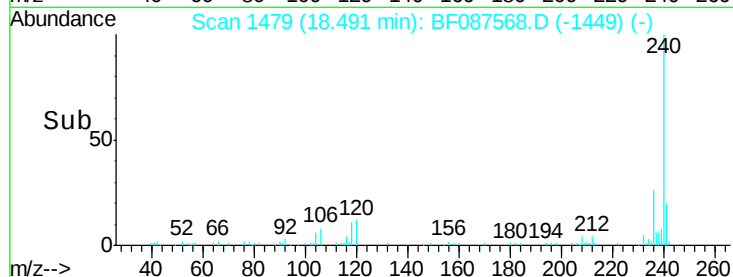
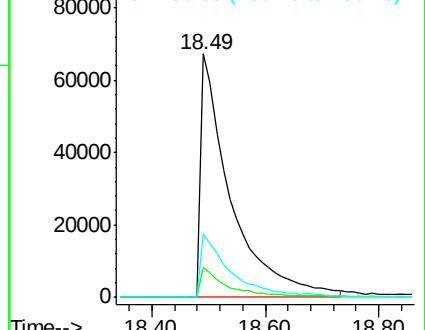
236 26.0 21.2 31.8



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: 97.48 ng

RT: 17.10 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BF087568.D

Acq: 31 May 2016 1:37

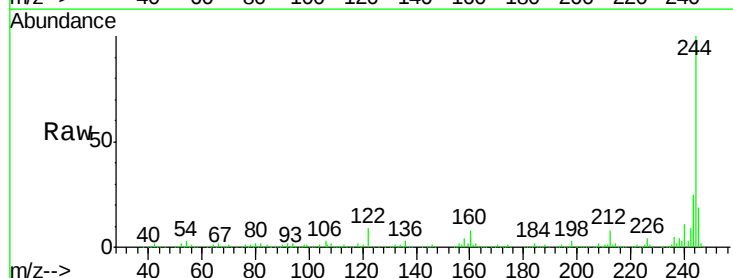
Tgt Ion:244 Resp: 1118629

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

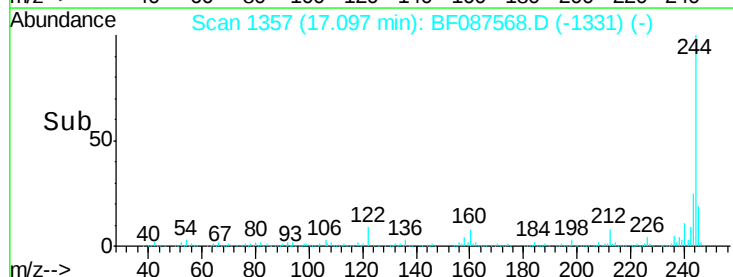
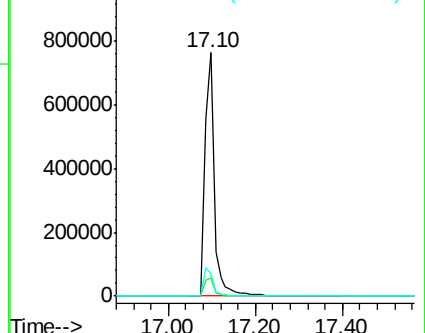
122 9.1 12.0 18.0#

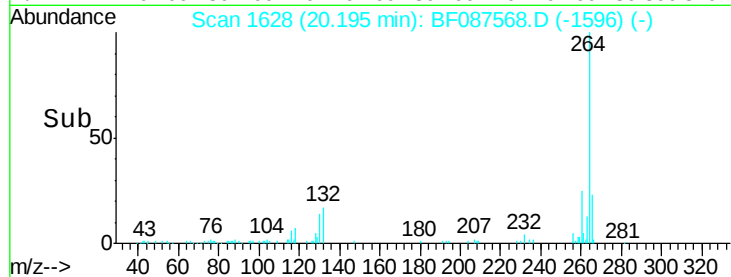
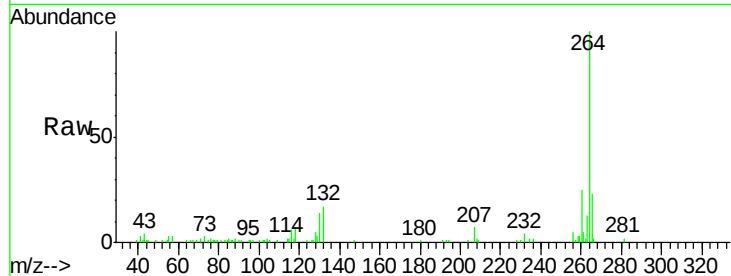
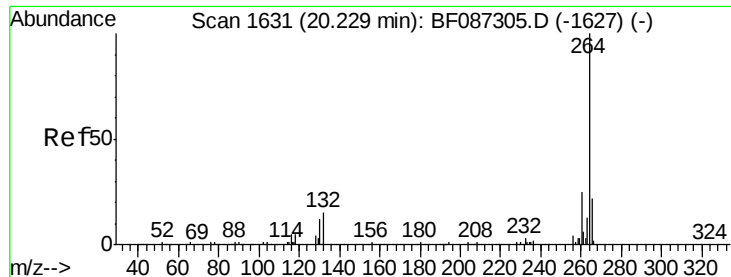


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 20.19 min Scan# 1628

Delta R.T. 0.07 min

Lab File: BF087568.D

Acq: 31 May 2016 1:37

Instrument :

BNA\_F

ClientSampleId :

FLATBUSH-FB-1-5-23-16

Tgt Ion: 264 Resp: 185206

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 22.8 17.3 25.9

