

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF053116\  
 Data File : BF087606.D  
 Acq On : 1 Jun 2016 5:28  
 Operator : UM/SJ  
 Sample : H3258-02RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-2RE

Quant Time: Jun 01 06:56:05 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 25 16:26:52 2016  
 Response via : Initial Calibration

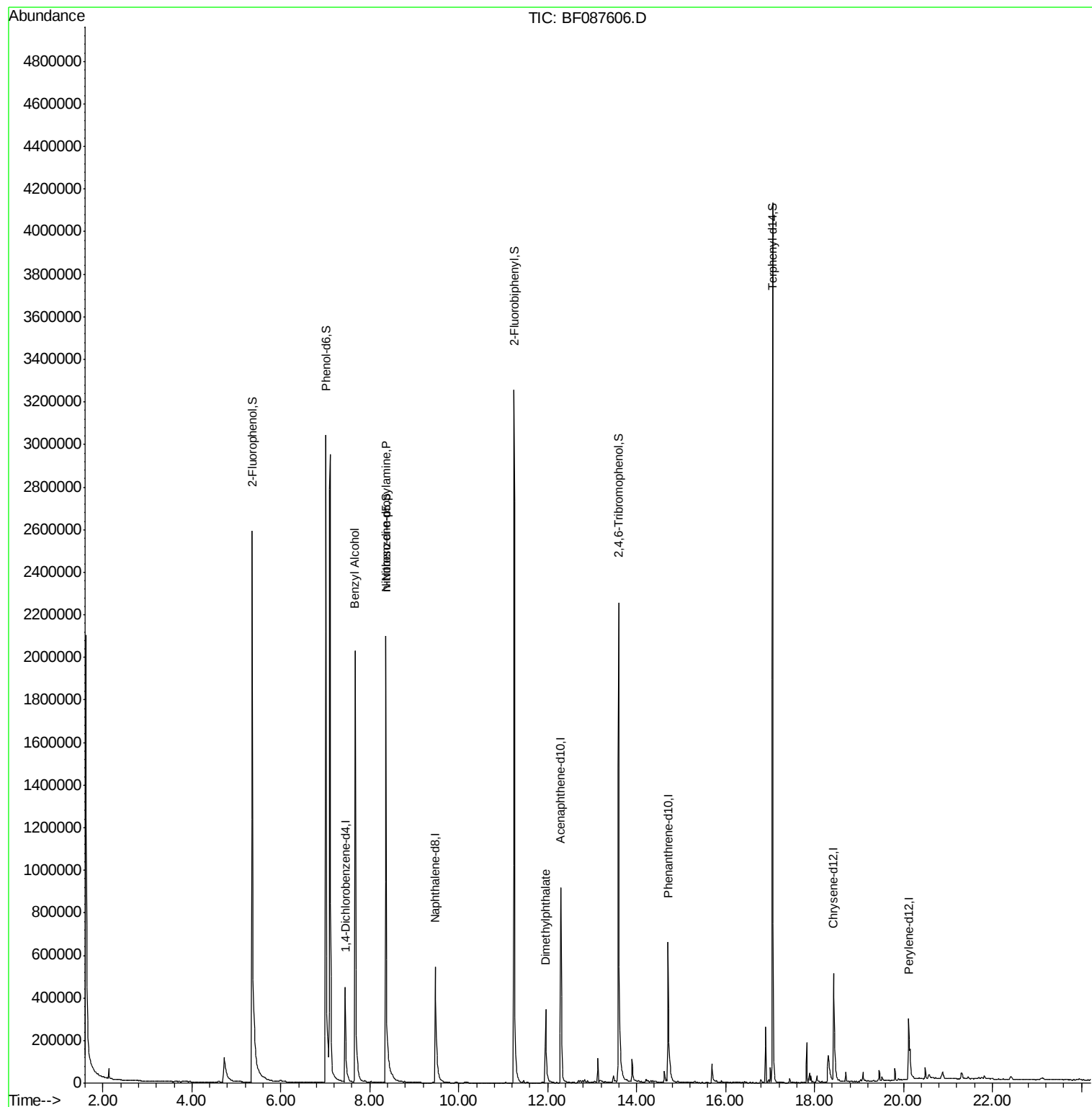
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.45  | 152  | 129180   | 20.00  | ng    | -0.07    |
| 21) Naphthalene-d8             | 9.47  | 136  | 524557   | 20.00  | ng    | -0.08    |
| 38) Acenaphthene-d10           | 12.30 | 164  | 244979   | 20.00  | ng    | -0.09    |
| 63) Phenanthrene-d10           | 14.71 | 188  | 454634   | 20.00  | ng    | -0.07    |
| 75) Chrysene-d12               | 18.42 | 240  | 371689   | 20.00  | ng    | -0.06    |
| 86) Perylene-d12               | 20.11 | 264  | 247093   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.36  | 112  | 1142046  | 155.35 | ng    | -0.06    |
| 7) Phenol-d6                   | 7.02  | 99   | 1505353  | 151.54 | ng    | -0.06    |
| 23) Nitrobenzene-d5            | 8.36  | 82   | 1049136  | 100.80 | ng    | -0.08    |
| 41) 2,4,6-Tribromophenol       | 13.60 | 330  | 372930   | 158.41 | ng    | -0.08    |
| 44) 2-Fluorobiphenyl           | 11.25 | 172  | 1685092  | 96.97  | ng    | -0.09    |
| 78) Terphenyl-d14              | 17.06 | 244  | 1487467  | 85.08  | ng    | -0.07    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.67  | 79   | 17894    | 2.47   | ng    | # 48     |
| 19) n-Nitroso-di-n-propylamine | 8.36  | 70   | 132903   | 17.94  | ng    | # 75     |
| 49) Dimethylphthalate          | 11.95 | 163  | 242934   | 12.38  | ng    | 100      |

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.07 min

Lab File: BF087606.D

Acq: 1 Jun 2016 5:28

Instrument :

BNA\_F

ClientSampleId :

B-2RE

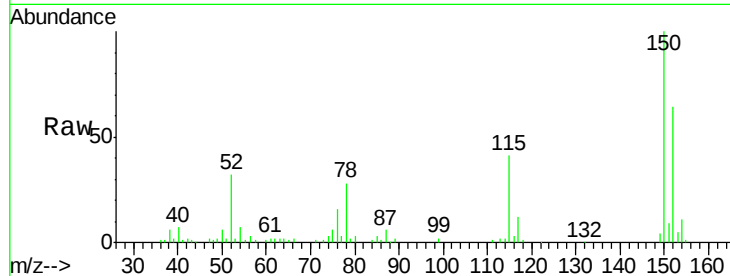
Tgt Ion:152 Resp: 129180

Ion Ratio Lower Upper

152 100

150 157.1 125.8 188.6

115 63.8 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

600000

500000

400000

300000

200000

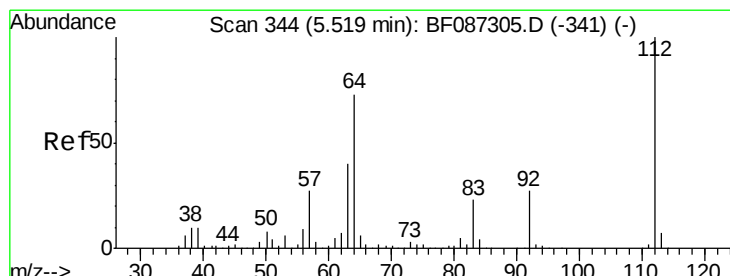
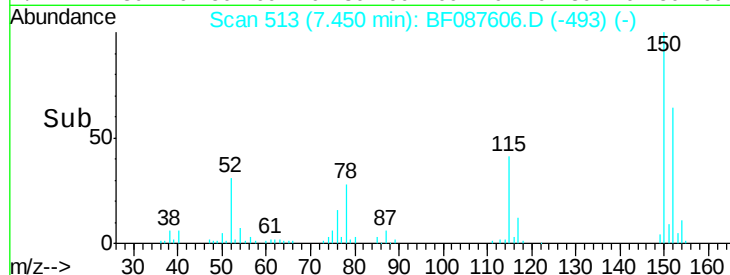
100000

0

7.45

7.40 7.50 7.60

Time-->



#5

2-Fluorophenol

Concen: 155.35 ng

RT: 5.36 min Scan# 330

Delta R.T. -0.06 min

Lab File: BF087606.D

Acq: 1 Jun 2016 5:28

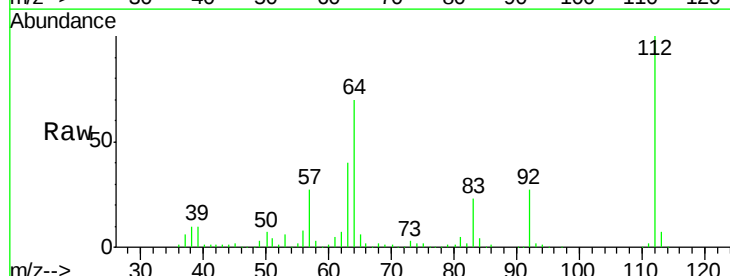
Tgt Ion:112 Resp: 1142046

Ion Ratio Lower Upper

112 100

64 69.9 52.1 78.1

63 39.6 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

800000

600000

400000

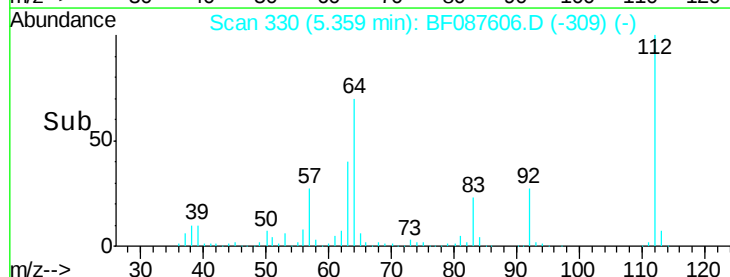
200000

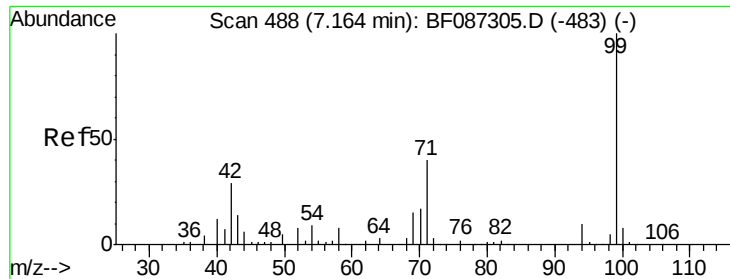
0

5.36

5.20 5.40 5.60

Time-->





#7

Phenol-d6

Concen: 151.54 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.06 min

Lab File: BF087606.D

Acq: 1 Jun 2016 5:28

Instrument :

BNA\_F

ClientSampleId :

B-2RE

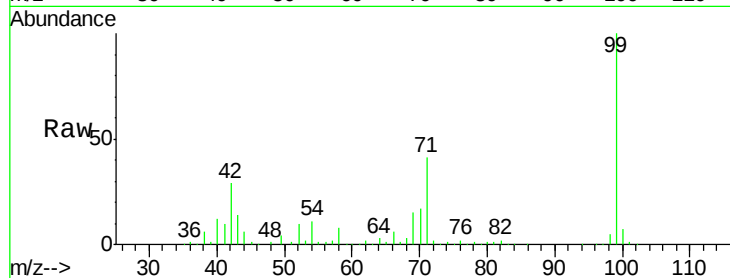
Tgt Ion: 99 Resp: 1505353

Ion Ratio Lower Upper

99 100

42 29.0 13.6 20.4#

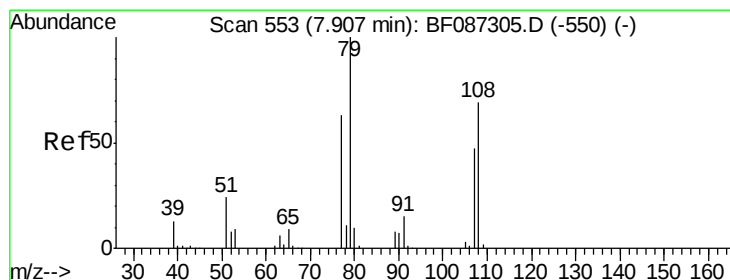
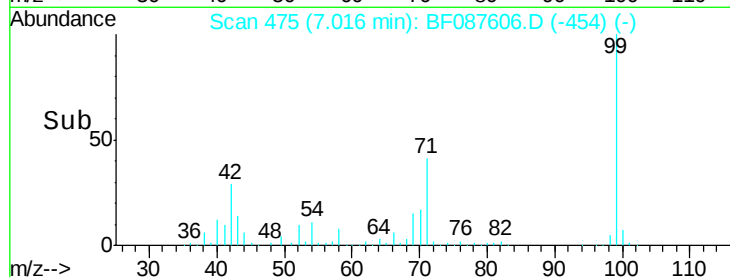
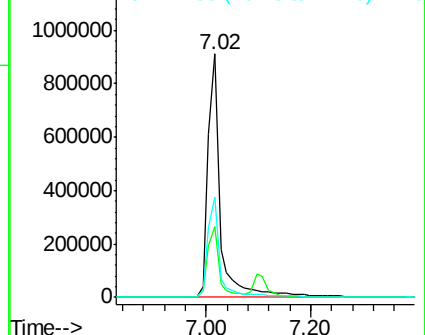
71 41.1 24.6 36.8#



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: 2.47 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.15 min

Lab File: BF087606.D

Acq: 1 Jun 2016 5:28

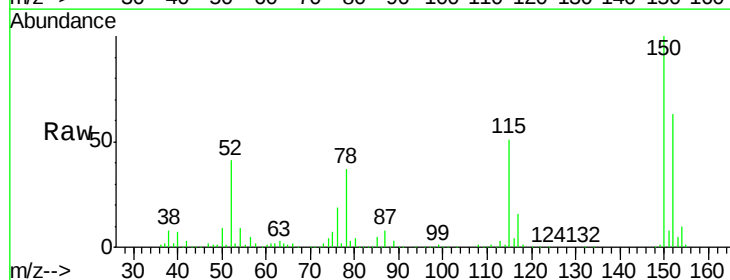
Tgt Ion: 79 Resp: 17894

Ion Ratio Lower Upper

79 100

108 27.4 68.4 102.6#

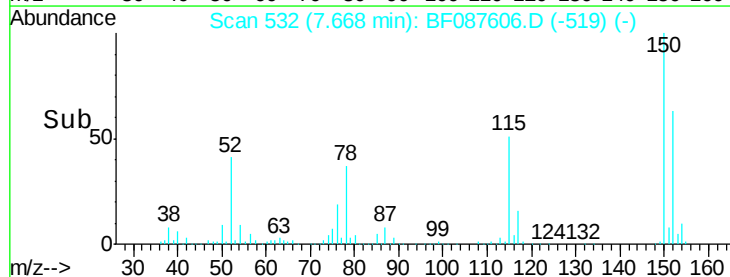
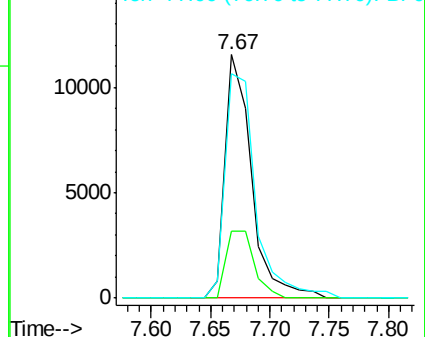
77 92.1 50.6 76.0#

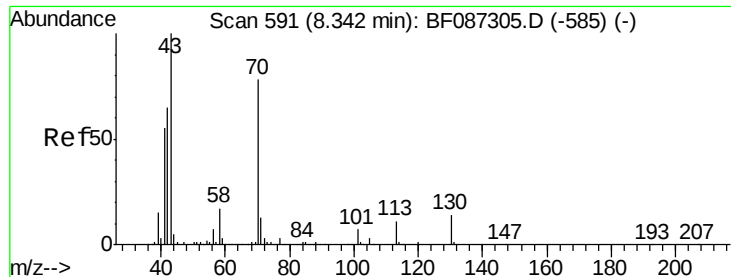


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

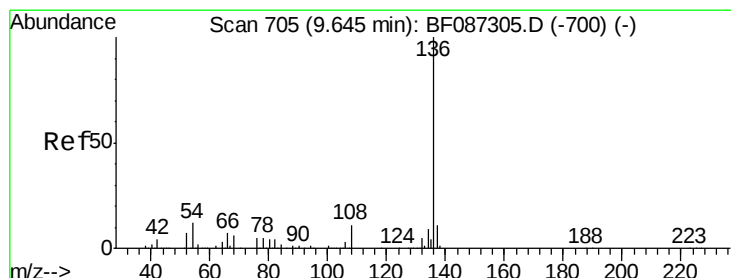
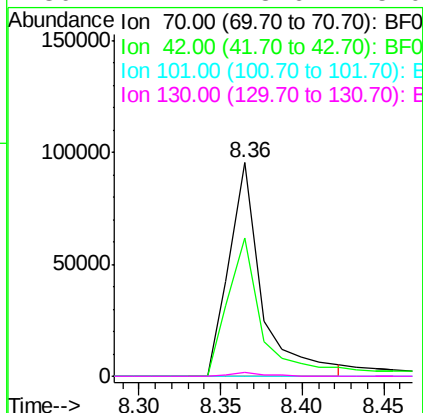
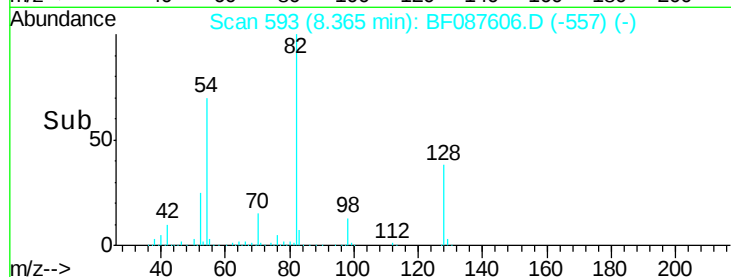
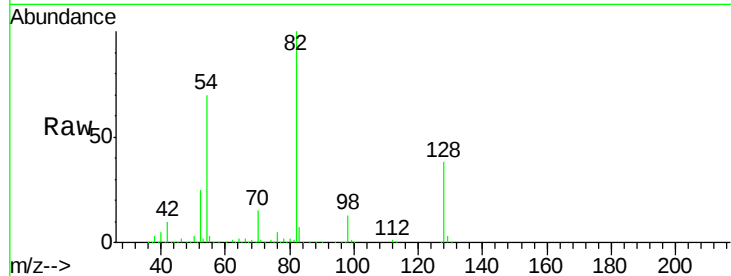




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.94 ng  
RT: 8.36 min Scan# 593  
Delta R.T. 0.11 min  
Lab File: BF087606.D  
Acq: 1 Jun 2016 5:28

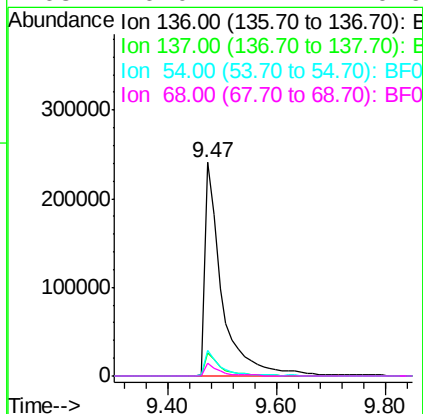
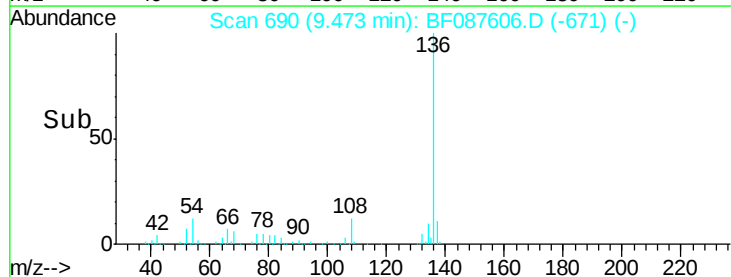
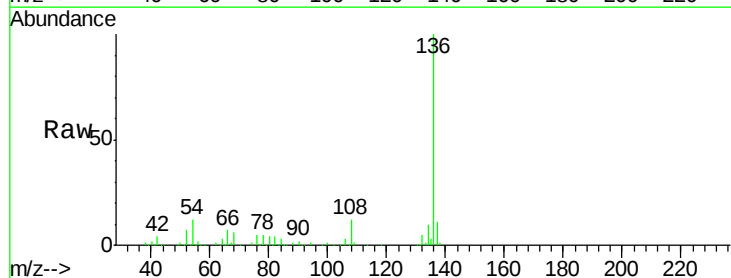
Instrument :  
BNA\_F  
ClientSampled :  
B-2RE

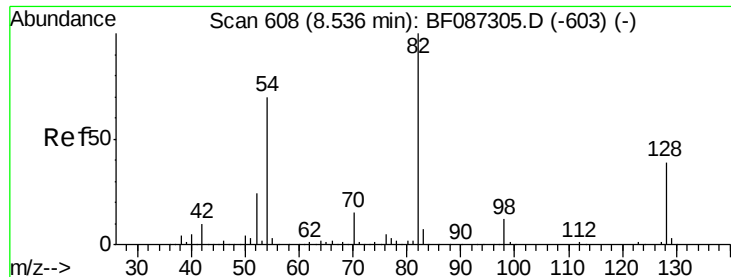
Tgt Ion: 70 Resp: 132903  
Ion Ratio Lower Upper  
70 100  
42 65.0 43.1 64.7#  
101 0.0 8.1 12.1#  
130 1.7 18.6 28.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.47 min Scan# 690  
Delta R.T. -0.08 min  
Lab File: BF087606.D  
Acq: 1 Jun 2016 5:28

Tgt Ion: 136 Resp: 524557  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 12.1 5.0 7.4#  
68 6.0 4.4 6.6

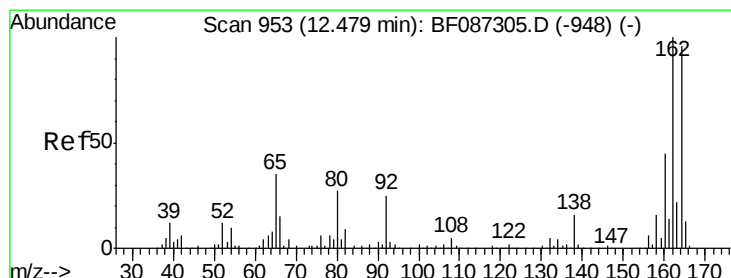
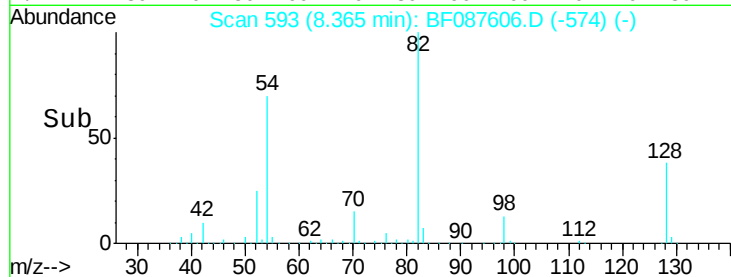
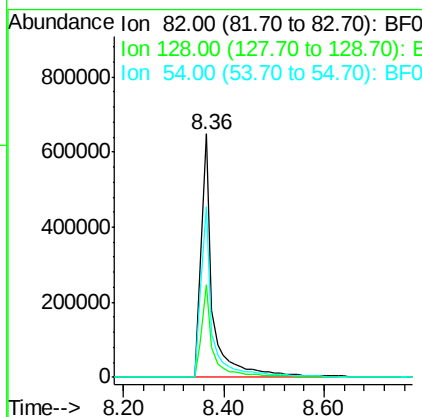
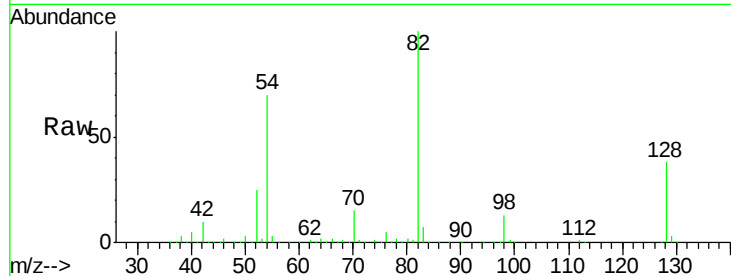




#23  
 Nitrobenzene-d5  
 Concen: 100.80 ng  
 RT: 8.36 min Scan# 593  
 Delta R.T. -0.08 min  
 Lab File: BF087606.D  
 Acq: 1 Jun 2016 5:28

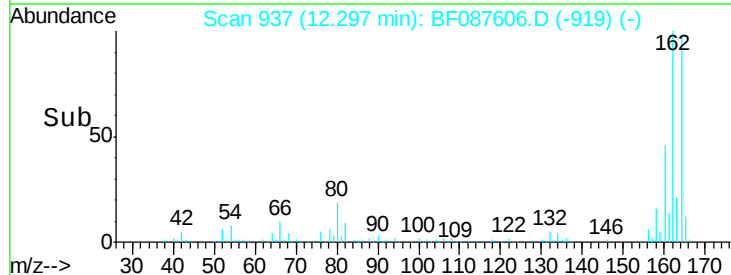
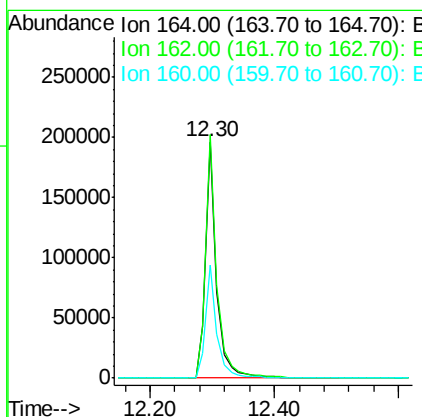
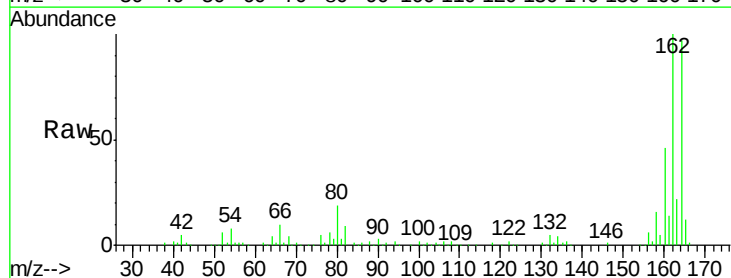
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-2RE

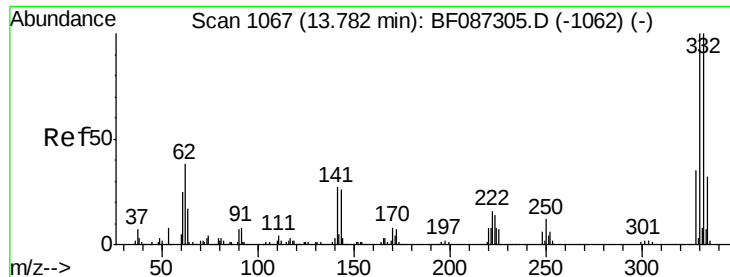
Tgt Ion: 82 Resp: 1049136  
 Ion Ratio Lower Upper  
 82 100  
 128 38.1 40.6 61.0#  
 54 69.9 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.30 min Scan# 937  
 Delta R.T. -0.09 min  
 Lab File: BF087606.D  
 Acq: 1 Jun 2016 5:28

Tgt Ion: 164 Resp: 244979  
 Ion Ratio Lower Upper  
 164 100  
 162 103.0 82.8 124.2  
 160 47.6 36.9 55.3

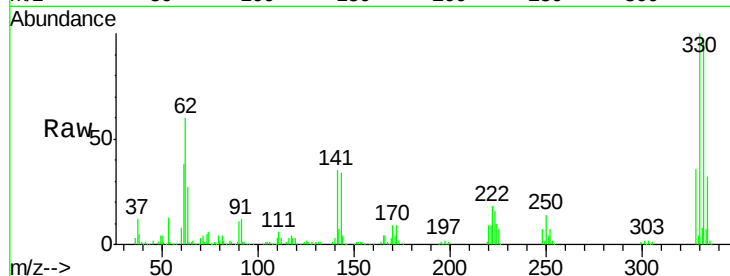




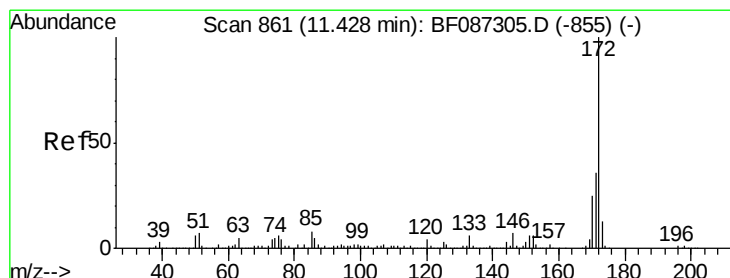
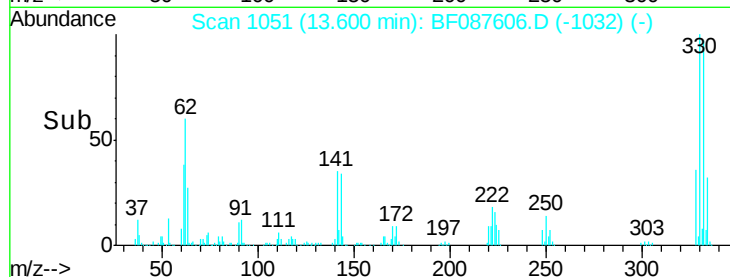
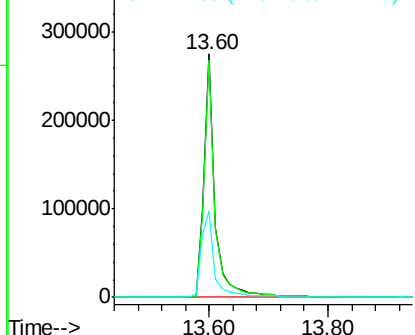
#41  
 2,4,6-Tribromophenol  
 Concen: 158.41 ng  
 RT: 13.60 min Scan# 1051  
 Delta R.T. -0.08 min  
 Lab File: BF087606.D  
 Acq: 1 Jun 2016 5:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-2RE

Tgt Ion:330 Resp: 372930  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 79.0 118.4  
 141 42.3 31.2 46.8

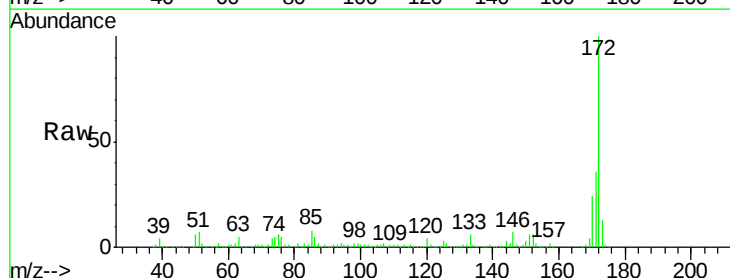


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

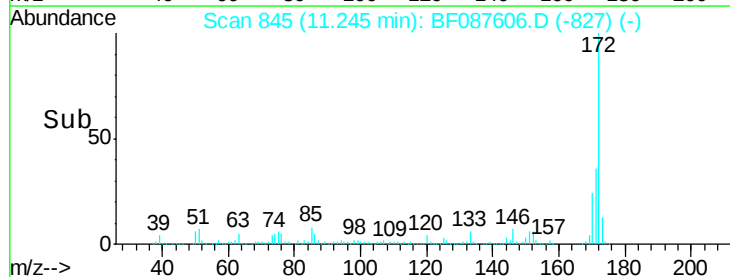
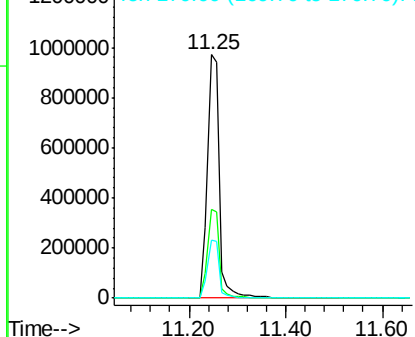


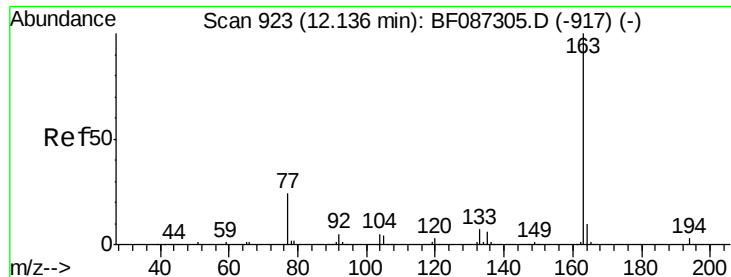
#44  
 2-Fluorobiphenyl  
 Concen: 96.97 ng  
 RT: 11.25 min Scan# 845  
 Delta R.T. -0.09 min  
 Lab File: BF087606.D  
 Acq: 1 Jun 2016 5:28

Tgt Ion:172 Resp: 1685092  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.0 43.6  
 170 24.1 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: 12.38 ng

RT: 11.95 min Scan# 907

Delta R.T. -0.09 min

Lab File: BF087606.D

Acq: 1 Jun 2016 5:28

Instrument :

BNA\_F

ClientSampleId :

B-2RE

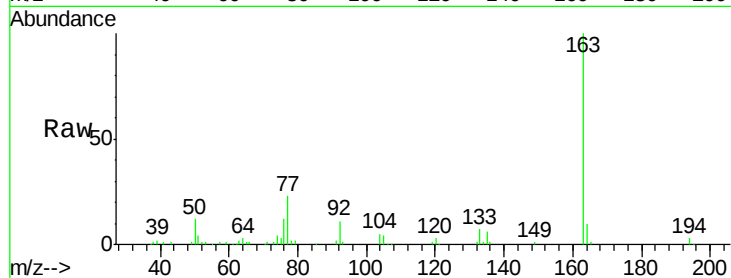
Tgt Ion:163 Resp: 242934

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

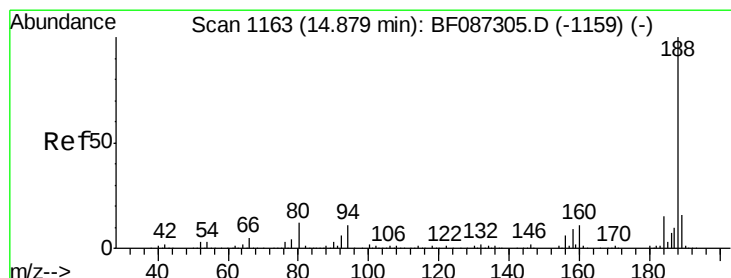
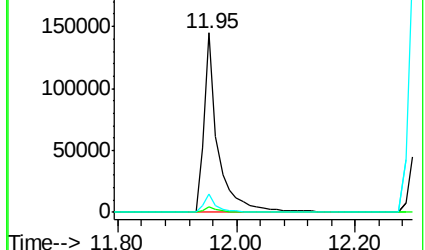
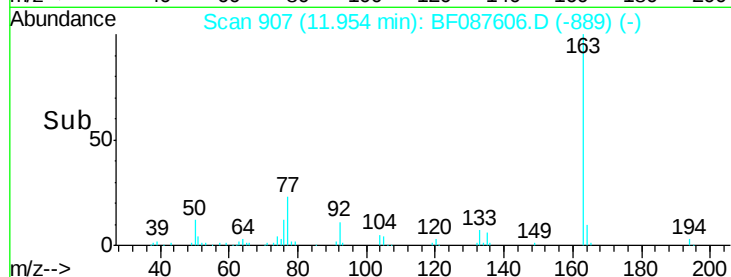
164 10.4 8.2 12.4



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: 14.71 min Scan# 1148

Delta R.T. -0.07 min

Lab File: BF087606.D

Acq: 1 Jun 2016 5:28

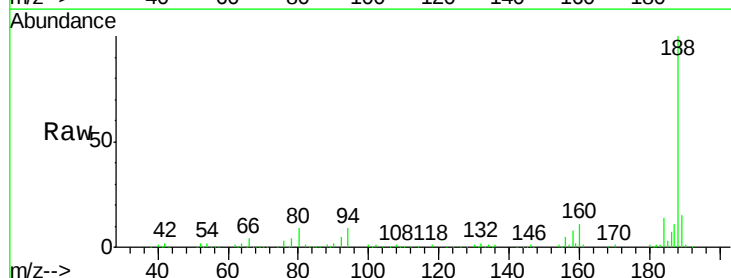
Tgt Ion:188 Resp: 454634

Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

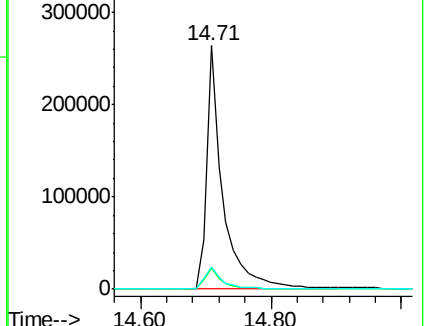
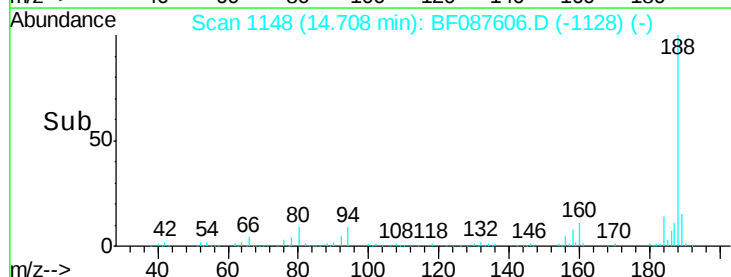
80 9.2 7.1 10.7



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: 18.42 min Scan# 1473

Delta R.T. -0.06 min

Lab File: BF087606.D

Acq: 1 Jun 2016 5:28

Instrument :

BNA\_F

ClientSampleId :

B-2RE

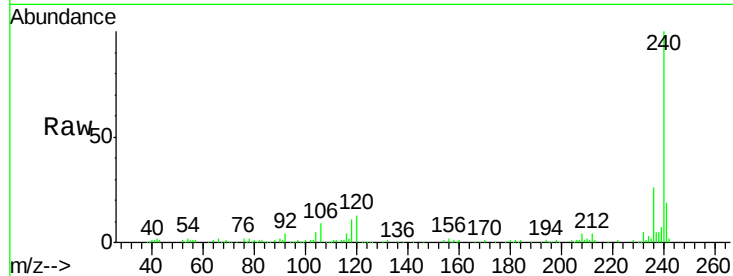
Tgt Ion:240 Resp: 371689

Ion Ratio Lower Upper

240 100

120 12.5 11.2 16.8

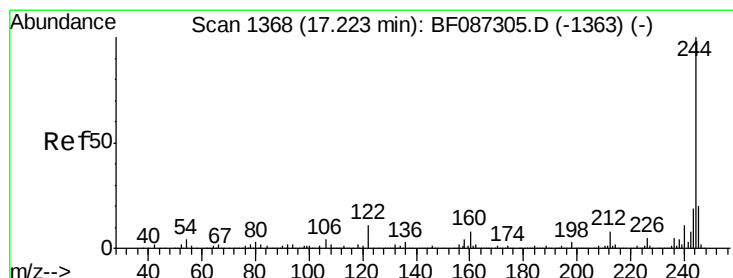
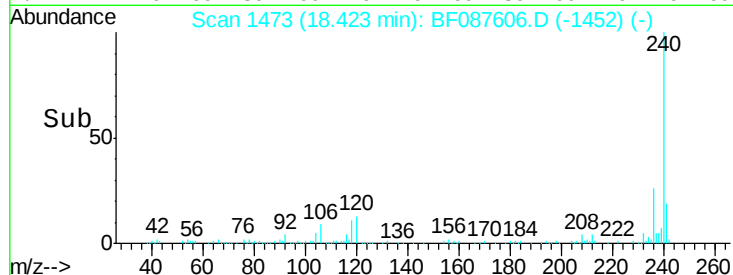
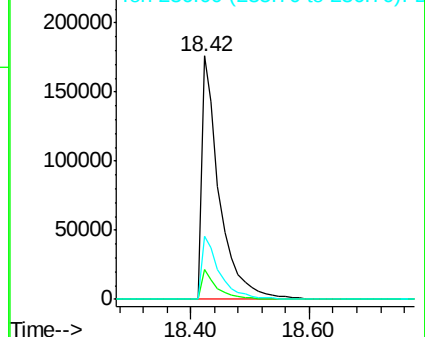
236 25.8 21.2 31.8



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: 85.08 ng

RT: 17.06 min Scan# 1354

Delta R.T. -0.07 min

Lab File: BF087606.D

Acq: 1 Jun 2016 5:28

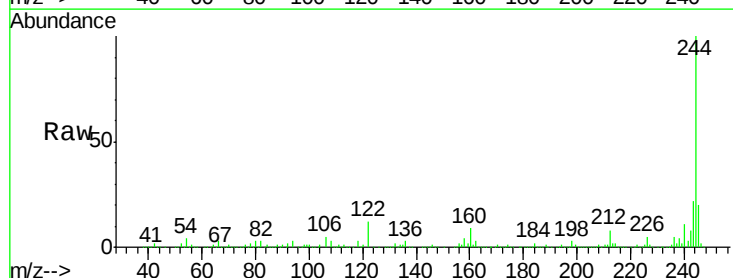
Tgt Ion:244 Resp: 1487467

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

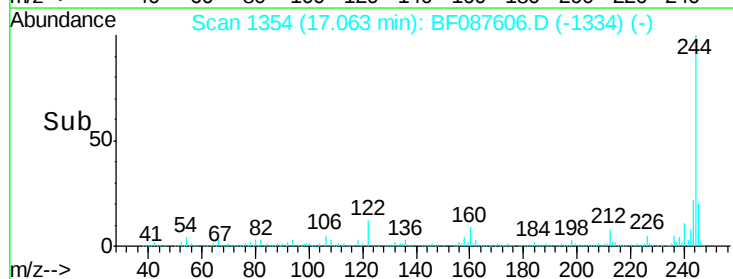
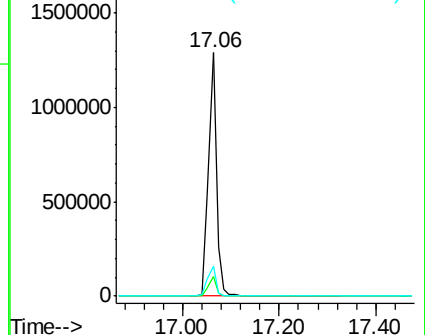
122 12.5 12.0 18.0

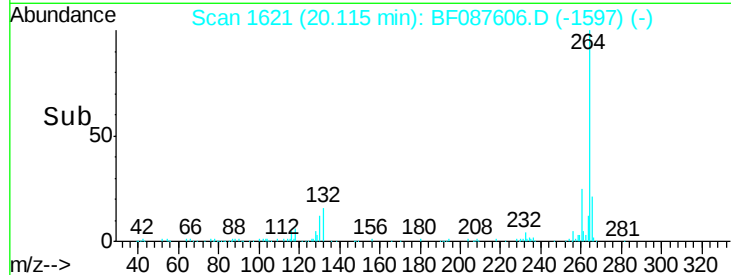
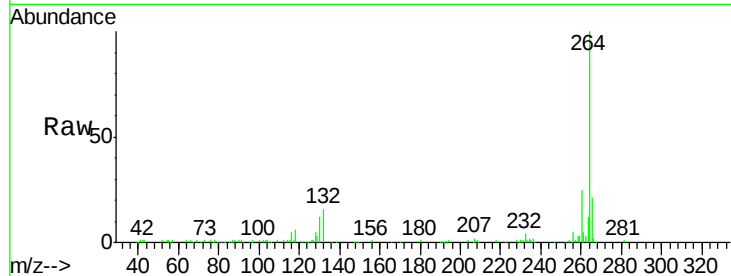
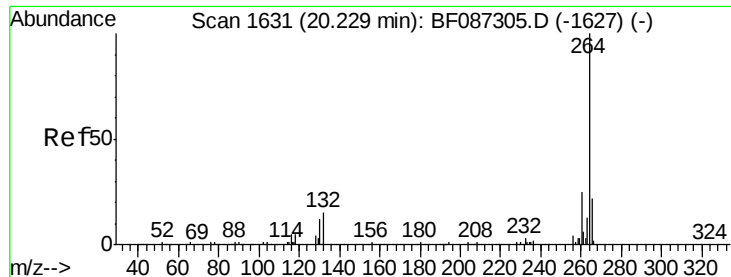


Abundance Ion 244.00 (243.70 to 244.70): E

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: 20.11 min Scan# 1621  
Delta R.T. -0.02 min  
Lab File: BF087606.D  
Acq: 1 Jun 2016 5:28

Instrument :  
BNA\_F  
ClientSampleId :  
B-2RE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 19.5  | 29.3  |
| 265     | 21.3  | 17.3  | 25.9  |

