

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
 Data File : BF087551.D  
 Acq On : 30 May 2016 15:20  
 Operator : UM/SJ  
 Sample : H3317-05  
 Misc :  
 ALS Vial : 71 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-20

Quant Time: May 31 00:40:26 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

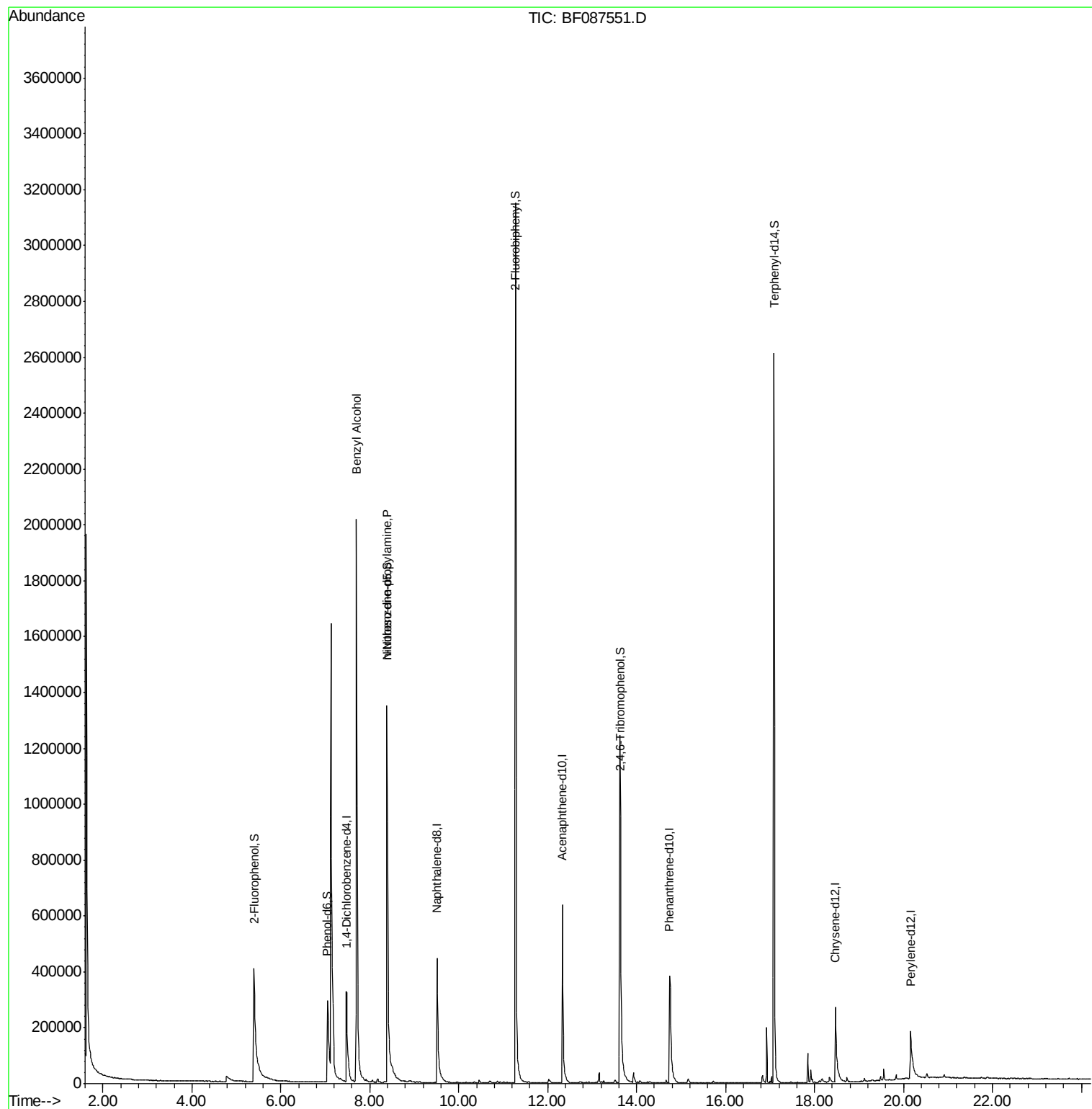
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.48  | 152  | 110173   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 9.51  | 136  | 449931   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10           | 12.33 | 164  | 204423   | 20.00  | ng    | -0.06    |
| 63) Phenanthrene-d10           | 14.74 | 188  | 372226   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 18.47 | 240  | 248551   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 20.16 | 264  | 194427   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.39  | 112  | 337603   | 53.84  | ng    | -0.02    |
| 7) Phenol-d6                   | 7.05  | 99   | 240158   | 28.35  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 8.39  | 82   | 789620   | 88.45  | ng    | -0.06    |
| 41) 2,4,6-Tribromophenol       | 13.63 | 330  | 243257   | 123.83 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 11.28 | 172  | 1291802  | 89.09  | ng    | -0.06    |
| 78) Terphenyl-d14              | 17.09 | 244  | 998155   | 85.38  | ng    | -0.05    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.70  | 79   | 14304    | 2.32   | ng    | # 44     |
| 19) n-Nitroso-di-n-propylamine | 8.39  | 70   | 98832    | 15.64  | ng    | # 71     |

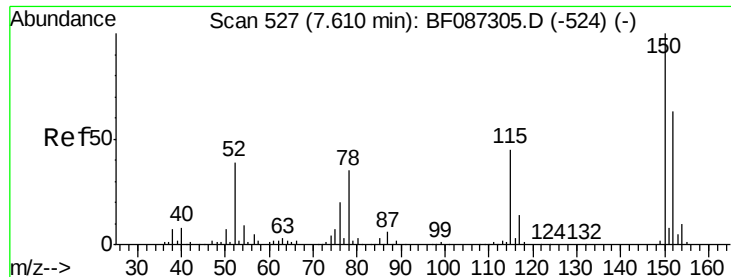
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
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Misc :  
ALS Vial : 71 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-20

Quant Time: May 31 00:40:26 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF087551.D

Acq: 30 May 2016 15:20

Instrument :

BNA\_F

ClientSampleId :

MW-20

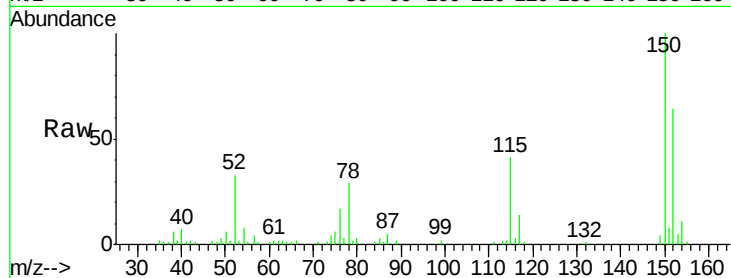
Tgt Ion:152 Resp: 110173

Ion Ratio Lower Upper

152 100

150 155.2 125.8 188.6

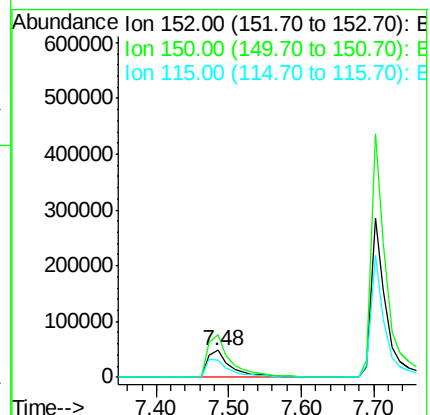
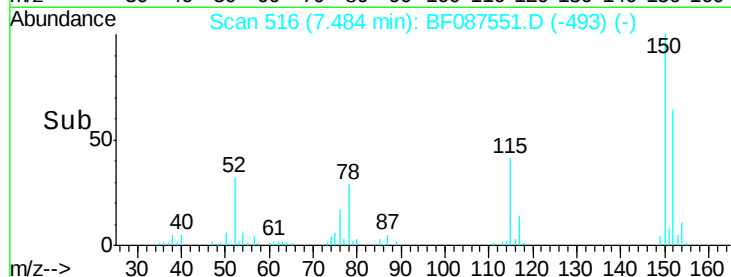
115 64.4 51.5 77.3



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: 53.84 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.02 min

Lab File: BF087551.D

Acq: 30 May 2016 15:20

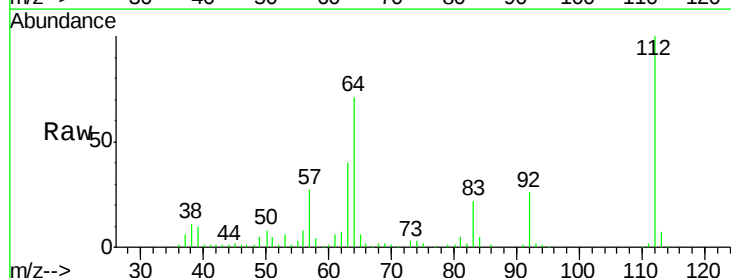
Tgt Ion:112 Resp: 337603

Ion Ratio Lower Upper

112 100

64 70.9 52.1 78.1

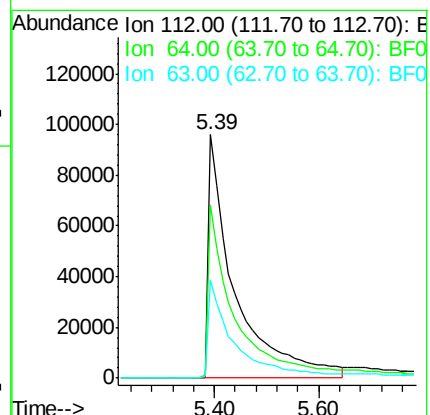
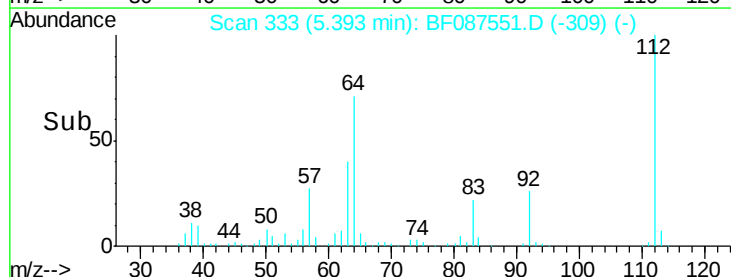
63 40.1 25.7 38.5#



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: 28.35 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.02 min

Lab File: BF087551.D

Acq: 30 May 2016 15:20

Instrument :

BNA\_F

ClientSampled :

MW-20

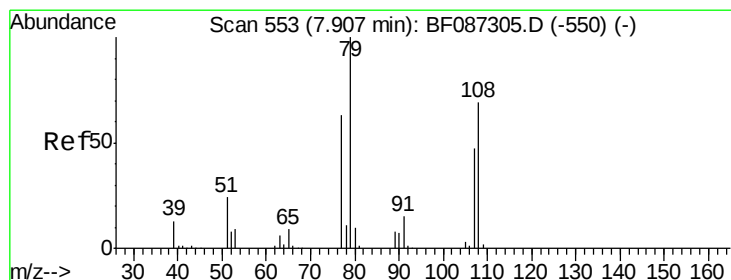
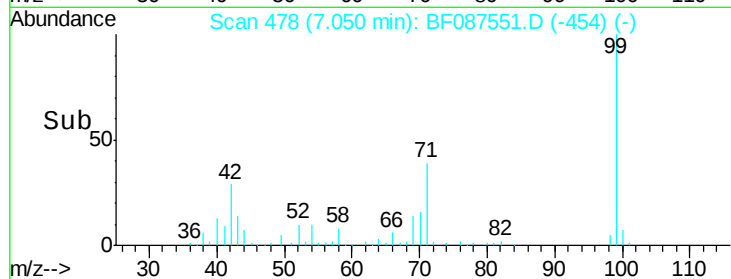
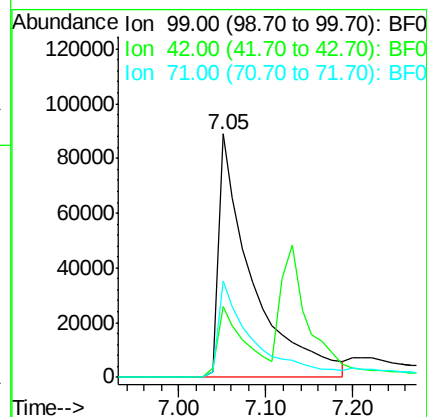
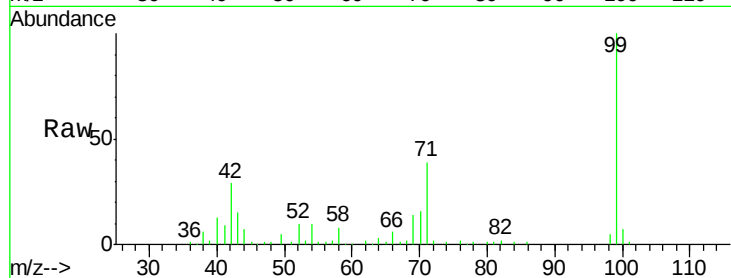
Tgt Ion: 99 Resp: 240158

Ion Ratio Lower Upper

99 100

42 29.1 13.6 20.4#

71 39.5 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.32 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.11 min

Lab File: BF087551.D

Acq: 30 May 2016 15:20

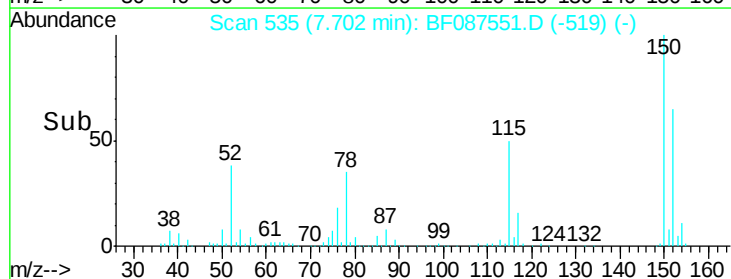
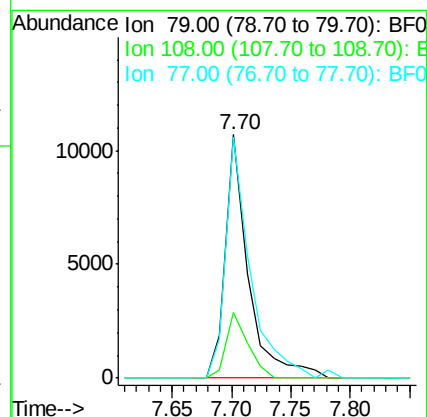
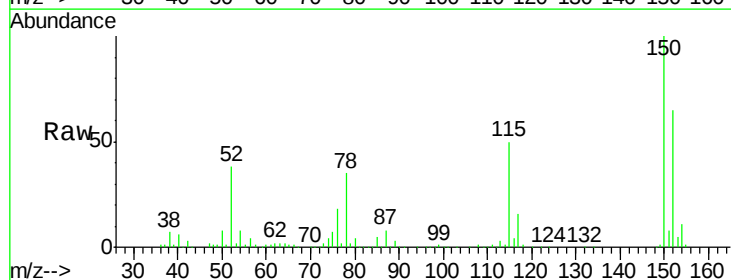
Tgt Ion: 79 Resp: 14304

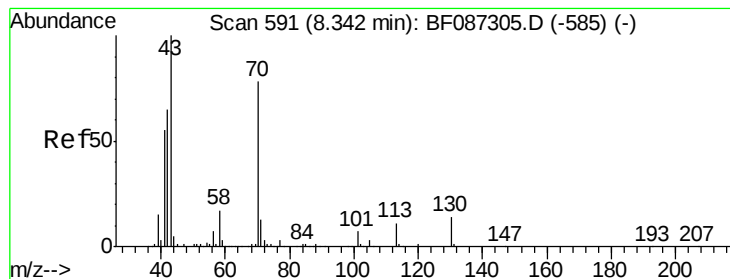
Ion Ratio Lower Upper

79 100

108 26.9 68.4 102.6#

77 98.9 50.6 76.0#





#19

n-Nitroso-di-n-propylamine

Concen: 15.64 ng

RT: 8.39 min Scan# 595

Delta R.T. 0.14 min

Lab File: BF087551.D

Acq: 30 May 2016 15:20

Instrument :

BNA\_F

ClientSampleId :

MW-20

Tgt Ion: 70 Resp: 98832

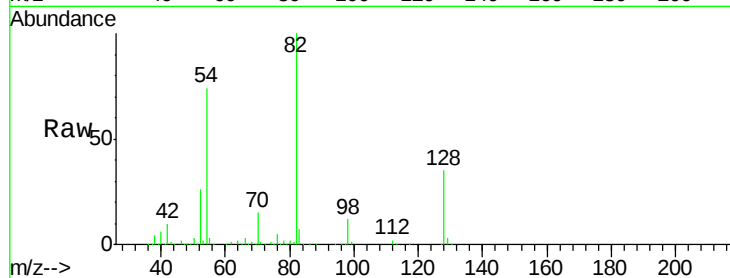
Ion Ratio Lower Upper

70 100

42 70.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.6 18.6 28.0#

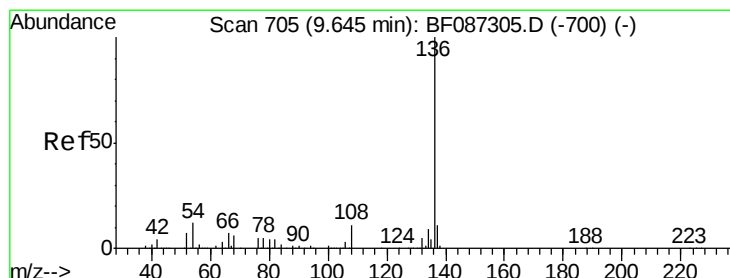
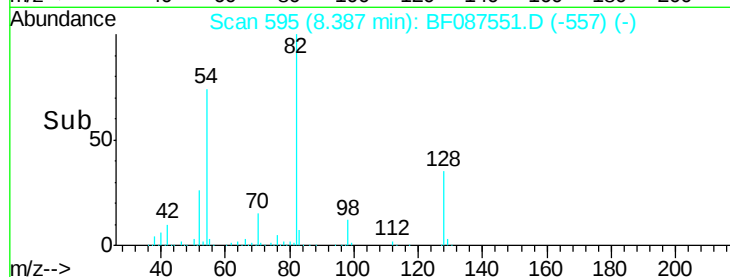
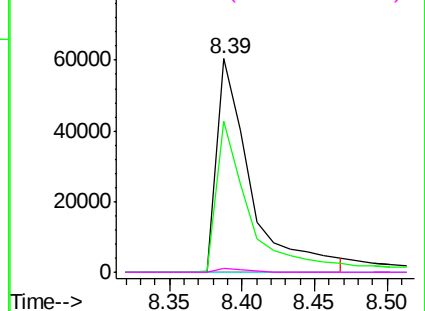


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.05 min

Lab File: BF087551.D

Acq: 30 May 2016 15:20

Tgt Ion: 136 Resp: 449931

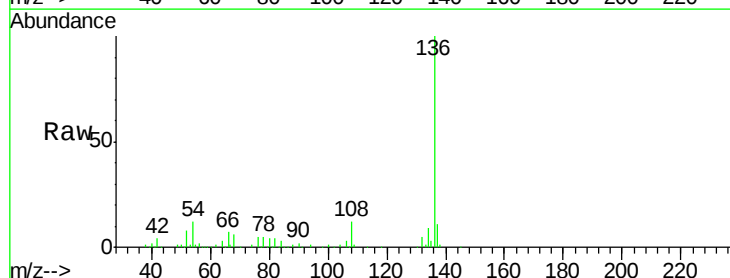
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 12.3 5.0 7.4#

68 5.7 4.4 6.6

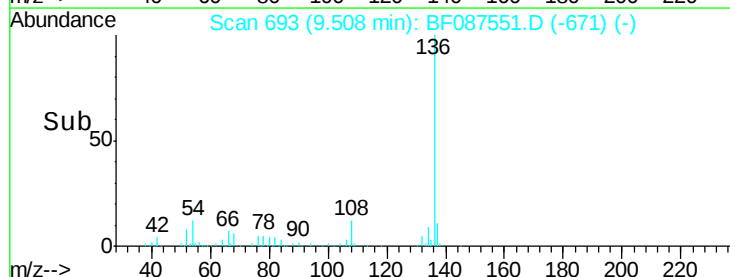
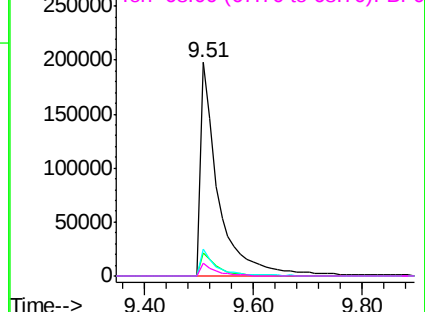


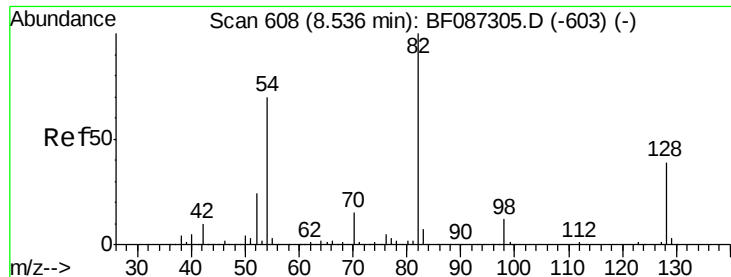
Abundance Ion 136.00 (135.70 to 136.70): E

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

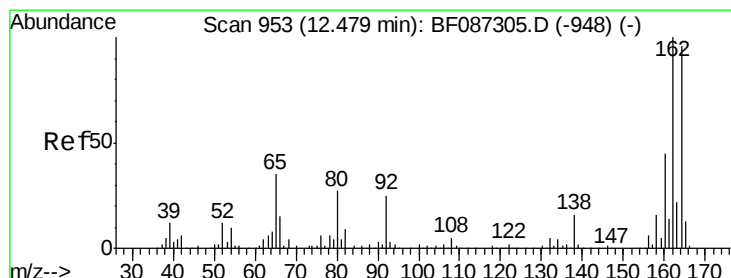
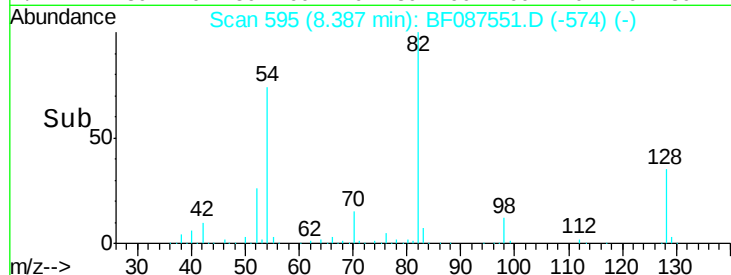
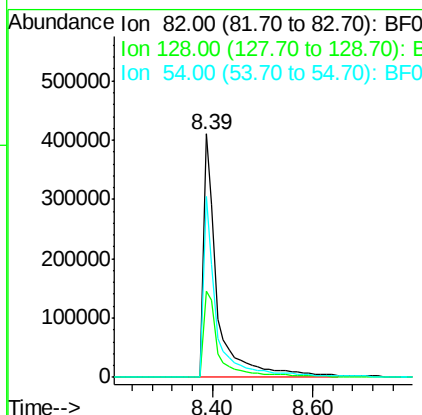
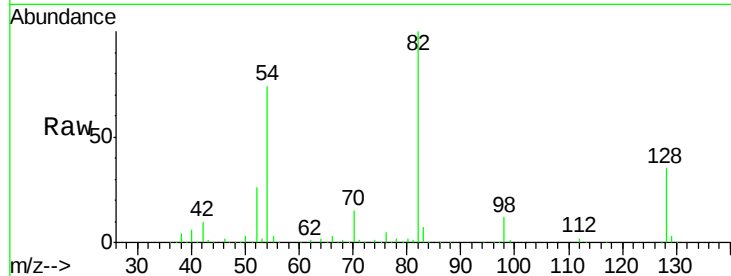




#23  
 Nitrobenzene-d5  
 Concen: 88.45 ng  
 RT: 8.39 min Scan# 595  
 Delta R.T. -0.06 min  
 Lab File: BF087551.D  
 Acq: 30 May 2016 15:20

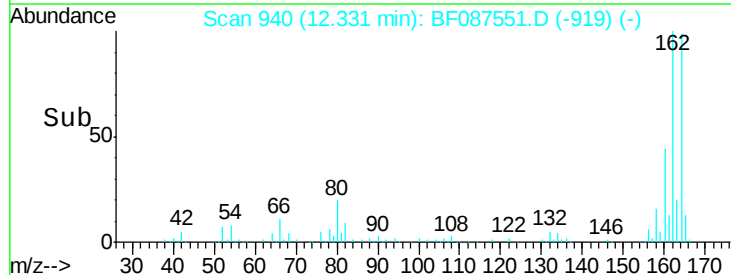
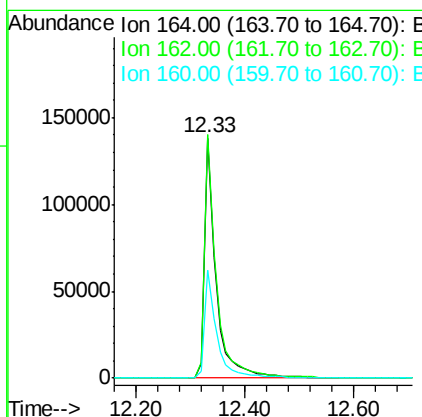
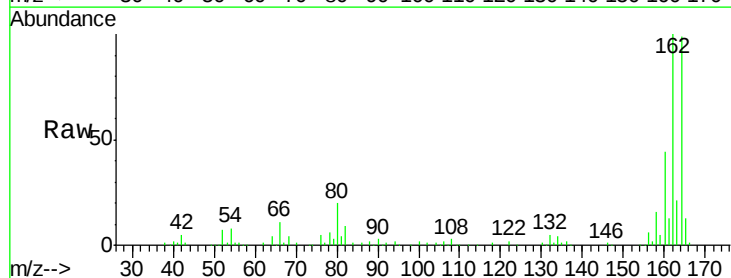
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-20

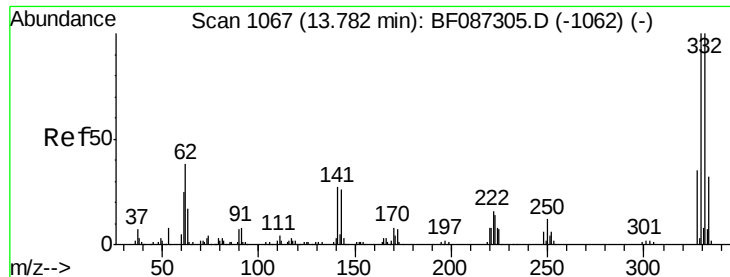
Tgt Ion: 82 Resp: 789620  
 Ion Ratio Lower Upper  
 82 100  
 128 35.2 40.6 61.0#  
 54 74.2 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.33 min Scan# 940  
 Delta R.T. -0.06 min  
 Lab File: BF087551.D  
 Acq: 30 May 2016 15:20

Tgt Ion: 164 Resp: 204423  
 Ion Ratio Lower Upper  
 164 100  
 162 101.3 82.8 124.2  
 160 45.0 36.9 55.3

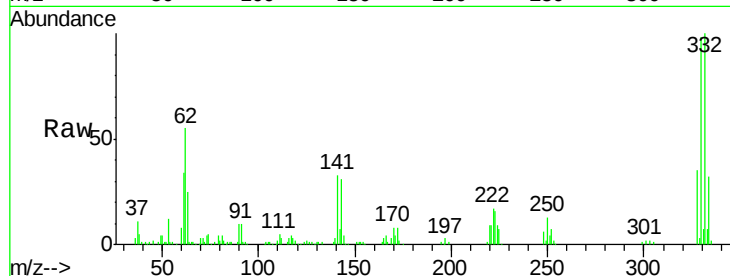




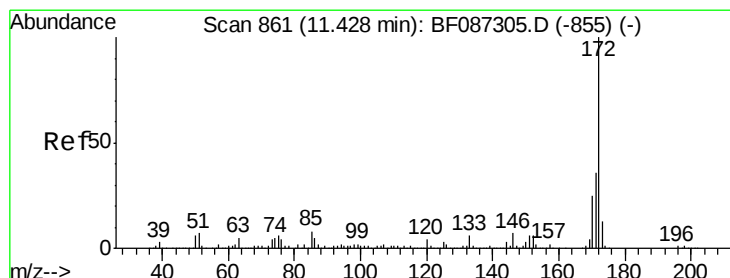
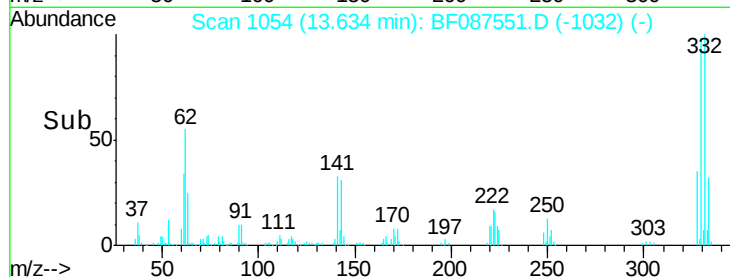
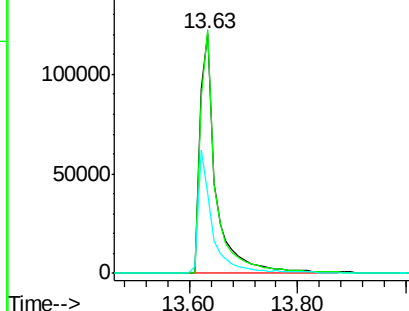
#41  
 2,4,6-Tribromophenol  
 Concen: 123.83 ng  
 RT: 13.63 min Scan# 1054  
 Delta R.T. -0.05 min  
 Lab File: BF087551.D  
 Acq: 30 May 2016 15:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-20

Tgt Ion:330 Resp: 243257  
 Ion Ratio Lower Upper  
 330 100  
 332 98.2 79.0 118.4  
 141 45.9 31.2 46.8

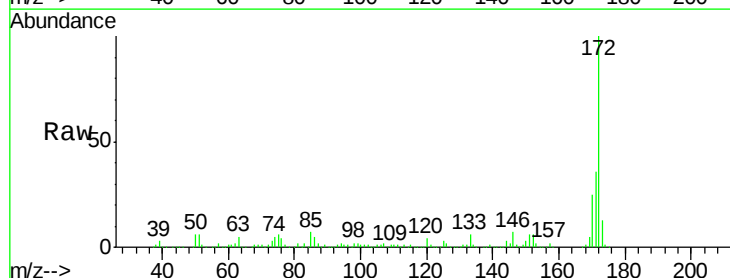


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

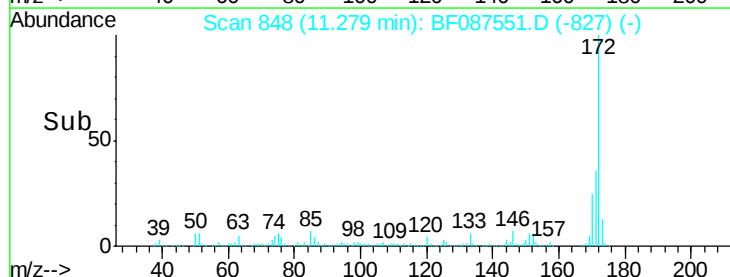
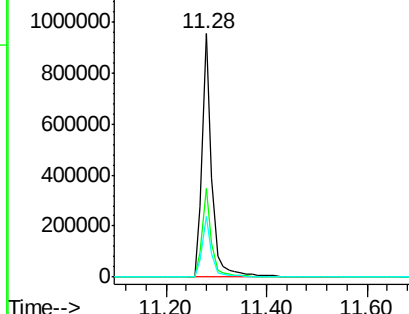


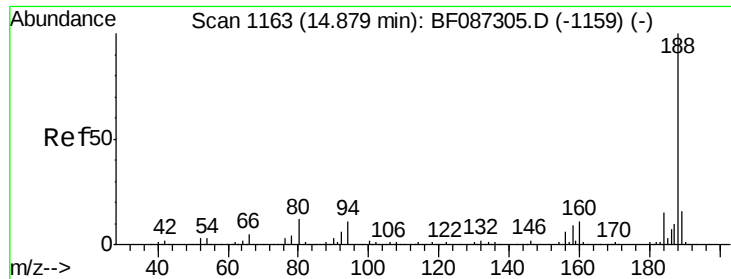
#44  
 2-Fluorobiphenyl  
 Concen: 89.09 ng  
 RT: 11.28 min Scan# 848  
 Delta R.T. -0.06 min  
 Lab File: BF087551.D  
 Acq: 30 May 2016 15:20

Tgt Ion:172 Resp: 1291802  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 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

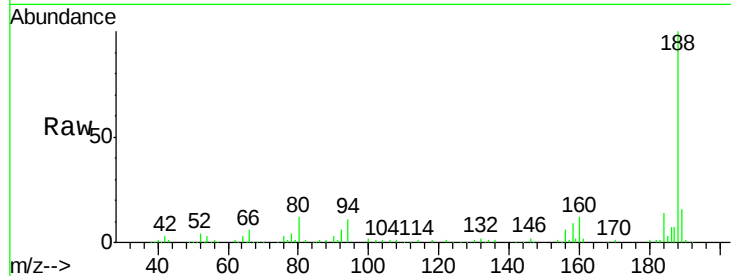




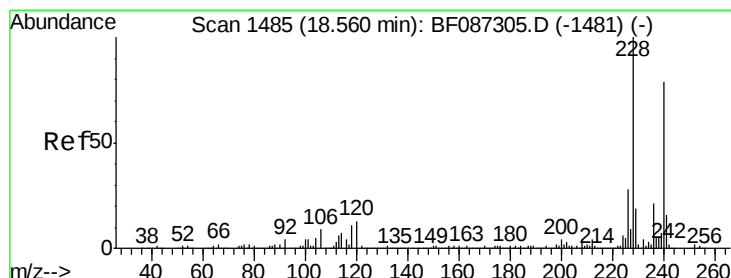
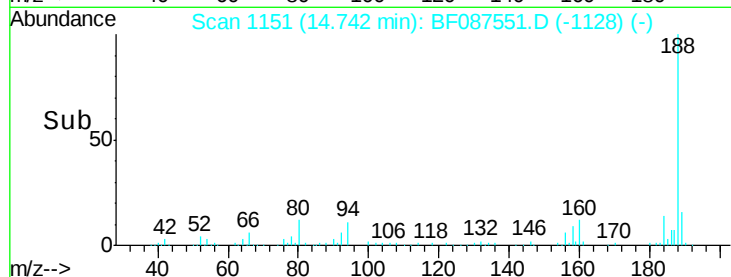
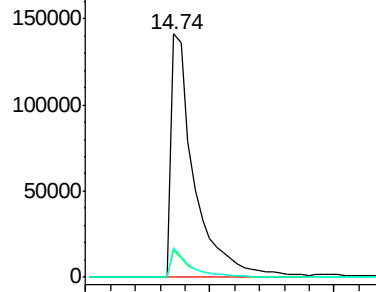
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.74 min Scan# 1151  
Delta R.T. -0.03 min  
Lab File: BF087551.D  
Acq: 30 May 2016 15:20

Instrument :  
BNA\_F  
ClientSampleId :  
MW-20

Tgt Ion:188 Resp: 372226  
Ion Ratio Lower Upper  
188 100  
94 11.2 6.8 10.2#  
80 12.4 7.1 10.7#

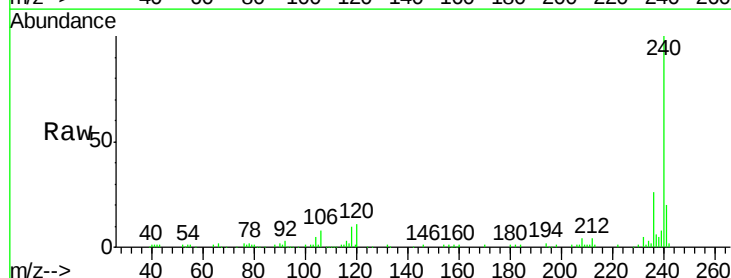


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

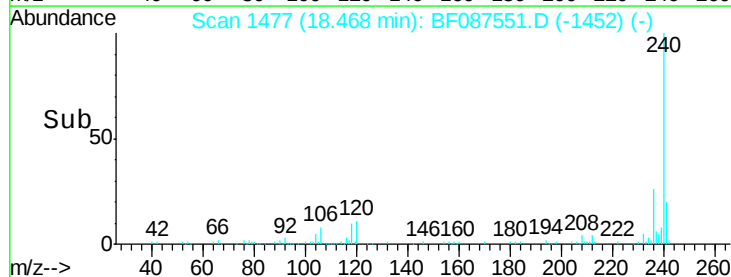
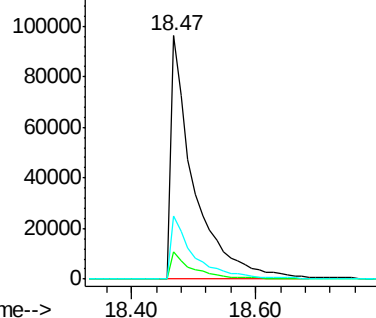


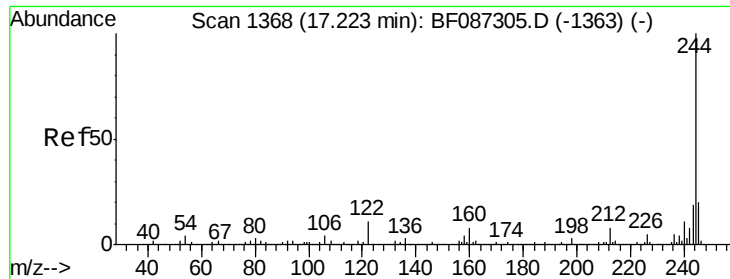
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.47 min Scan# 1477  
Delta R.T. -0.01 min  
Lab File: BF087551.D  
Acq: 30 May 2016 15:20

Tgt Ion:240 Resp: 248551  
Ion Ratio Lower Upper  
240 100  
120 11.3 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

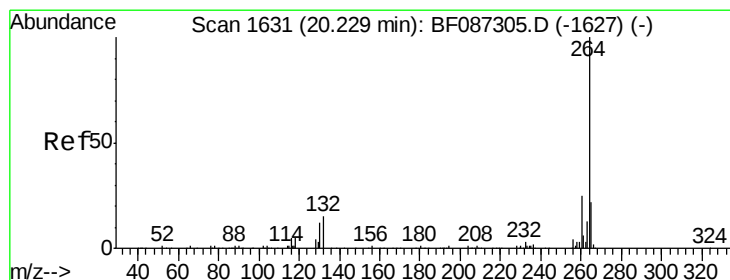
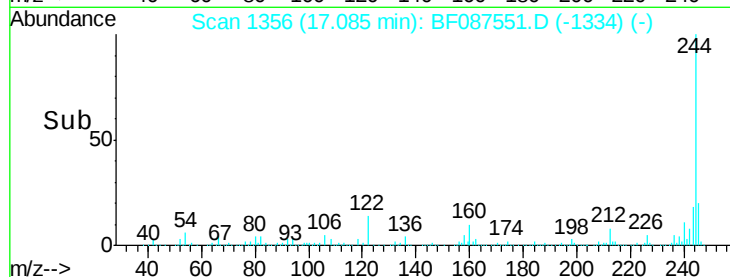
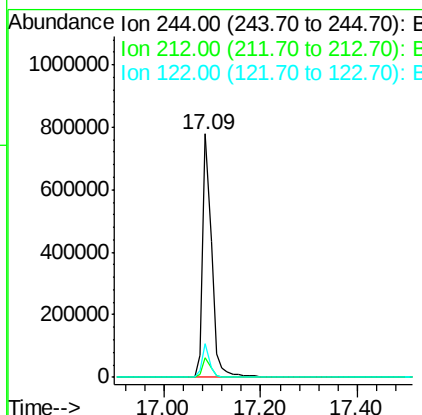
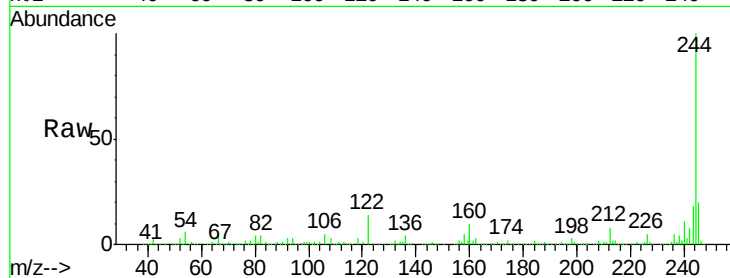




#78  
 Terphenyl-d14  
 Concen: 85.38 ng  
 RT: 17.09 min Scan# 1356  
 Delta R.T. -0.05 min  
 Lab File: BF087551.D  
 Acq: 30 May 2016 15:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.2   | 6.2   | 9.2   |
| 122     | 14.0  | 12.0  | 18.0  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.16 min Scan# 1625  
 Delta R.T. 0.02 min  
 Lab File: BF087551.D  
 Acq: 30 May 2016 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.8  | 19.5  | 29.3  |
| 265     | 21.7  | 17.3  | 25.9  |

