

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
 Data File : BF087567.D  
 Acq On : 31 May 2016 1:02  
 Operator : UM/SJ  
 Sample : H3249-04  
 Misc :  
 ALS Vial : 85 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-17

Quant Time: May 31 02:04:26 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

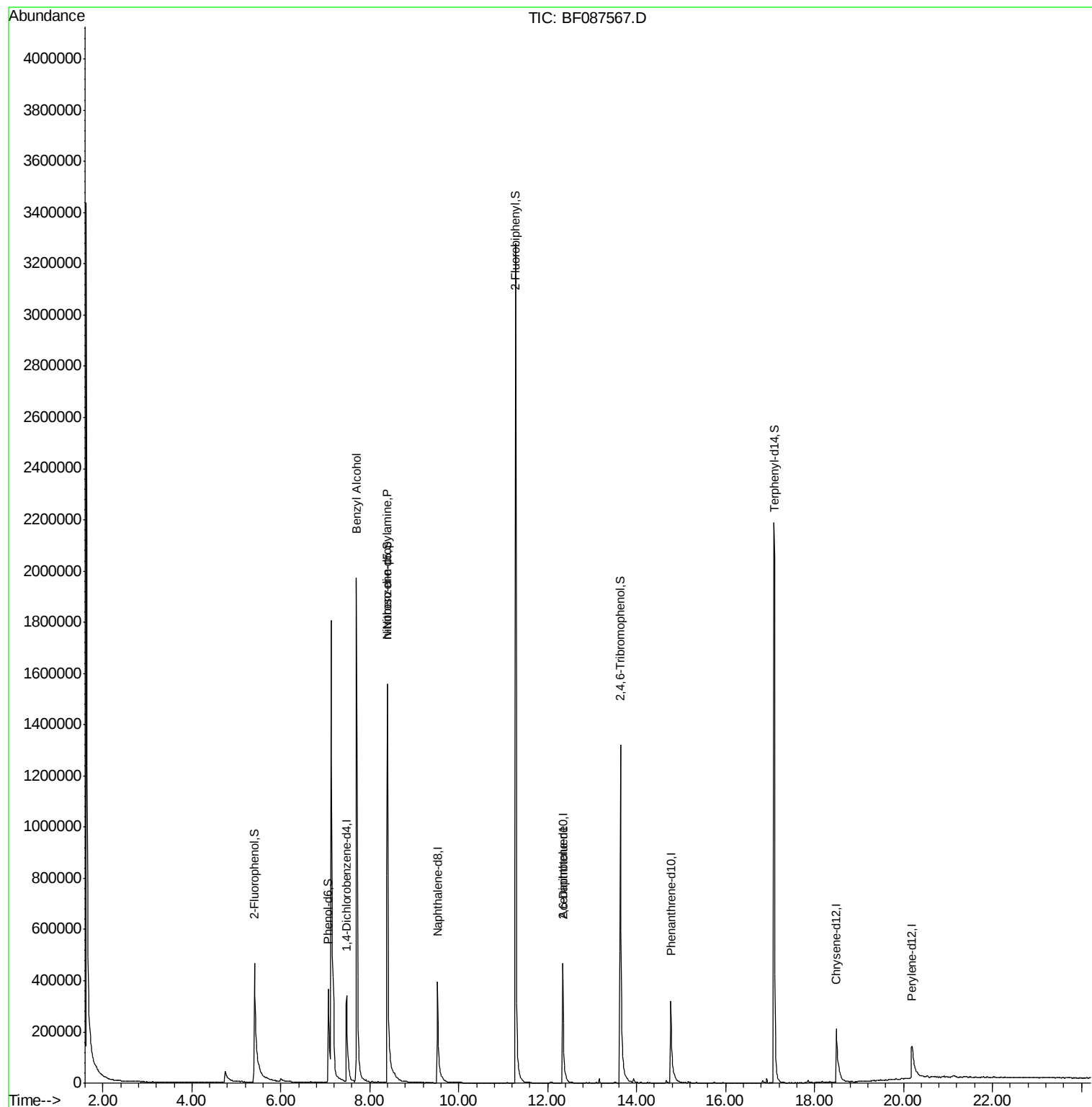
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.48  | 152  | 113194   | 20.00  | ng    | 0.01     |
| 21) Naphthalene-d8             | 9.52  | 136  | 441904   | 20.00  | ng    | 0.01     |
| 38) Acenaphthene-d10           | 12.34 | 164  | 212112   | 20.00  | ng    | 0.01     |
| 63) Phenanthrene-d10           | 14.77 | 188  | 363677   | 20.00  | ng    | 0.02     |
| 75) Chrysene-d12               | 18.49 | 240  | 247516   | 20.00  | ng    | 0.05     |
| 86) Perylene-d12               | 20.19 | 264  | 201595   | 20.00  | ng    | 0.07     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 370527   | 57.52  | ng    | 0.03     |
| 7) Phenol-d6                   | 7.06  | 99   | 274211   | 31.50  | ng    | 0.02     |
| 23) Nitrobenzene-d5            | 8.40  | 82   | 870991   | 99.34  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 13.63 | 330  | 246251   | 120.81 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 11.28 | 172  | 1392297  | 92.54  | ng    | -0.01    |
| 78) Terphenyl-d14              | 17.10 | 244  | 1127181  | 96.82  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.70  | 79   | 14987    | 2.36   | ng    | # 44     |
| 19) n-Nitroso-di-n-propylamine | 8.40  | 70   | 109170   | 16.82  | ng    | # 77     |
| 50) 2,6-Dinitrotoluene         | 12.34 | 165  | 21803    | 6.37   | ng    | # 20     |

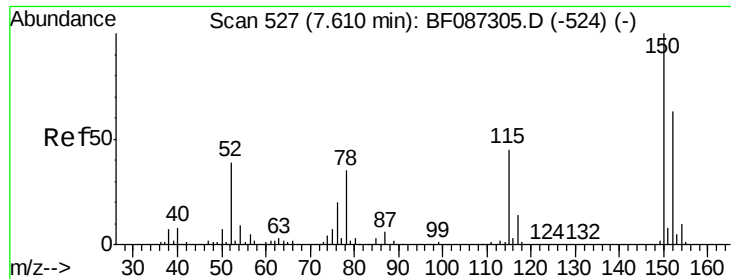
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087567.D

Acq: 31 May 2016 1:02

Instrument :

BNA\_F

ClientSampled :

MW-17

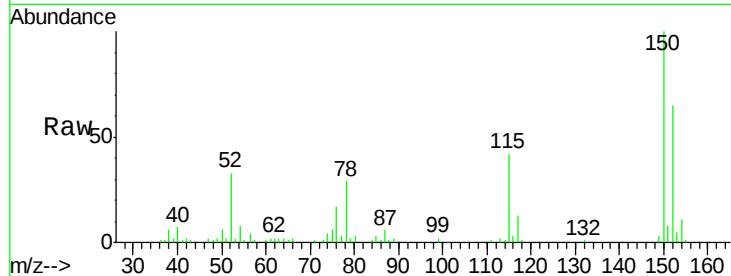
Tgt Ion:152 Resp: 113194

Ion Ratio Lower Upper

152 100

150 153.6 125.8 188.6

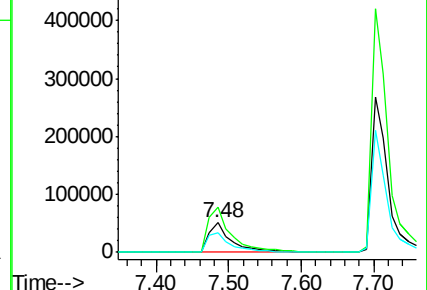
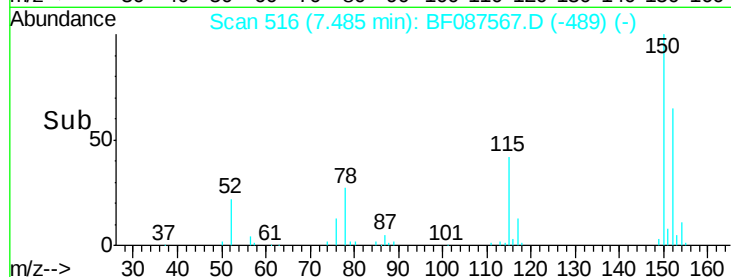
115 64.3 51.5 77.3



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: 57.52 ng

RT: 5.40 min Scan# 334

Delta R.T. 0.03 min

Lab File: BF087567.D

Acq: 31 May 2016 1:02

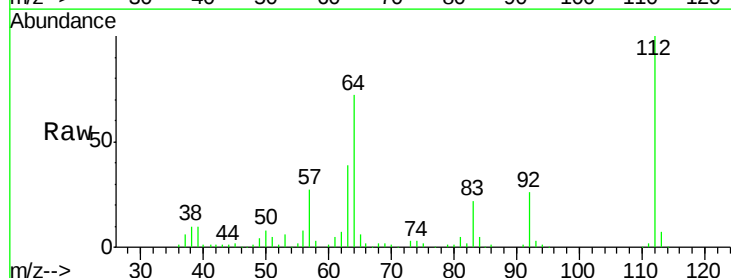
Tgt Ion:112 Resp: 370527

Ion Ratio Lower Upper

112 100

64 71.9 52.1 78.1

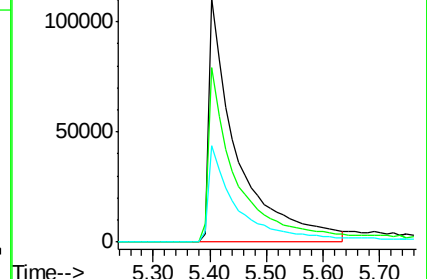
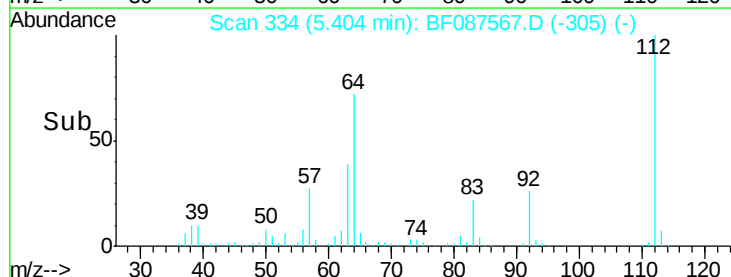
63 39.5 25.7 38.5#



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: 31.50 ng

RT: 7.06 min Scan# 479

Delta R.T. 0.02 min

Lab File: BF087567.D

Acq: 31 May 2016 1:02

Instrument :

BNA\_F

ClientSampled :

MW-17

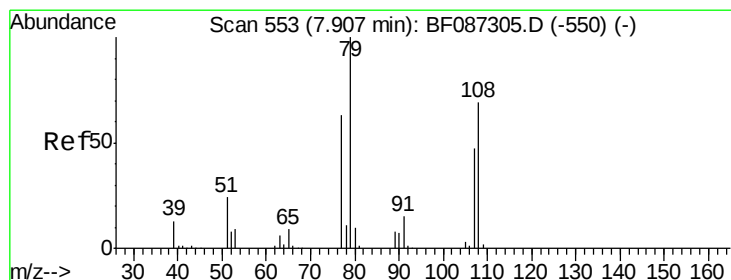
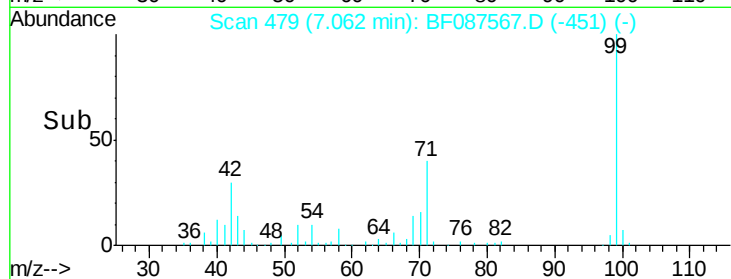
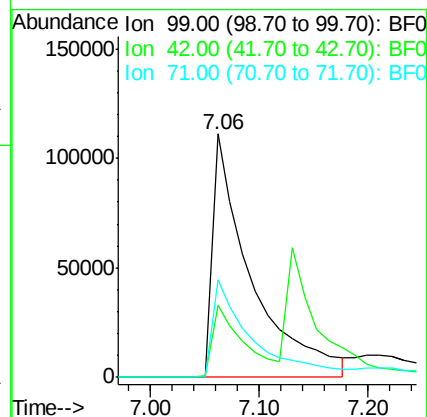
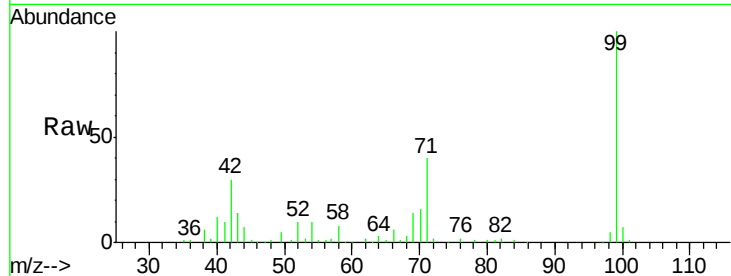
Tgt Ion: 99 Resp: 274211

Ion Ratio Lower Upper

99 100

42 29.6 13.6 20.4#

71 39.9 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.36 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.08 min

Lab File: BF087567.D

Acq: 31 May 2016 1:02

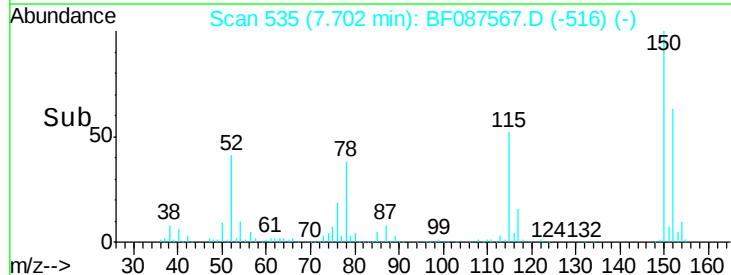
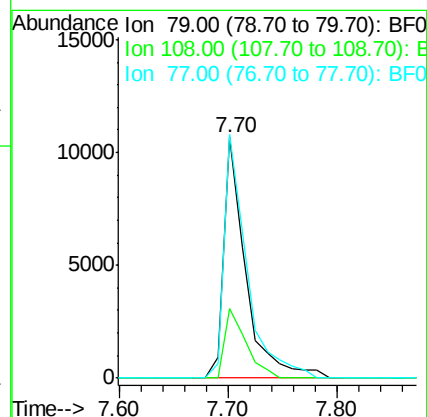
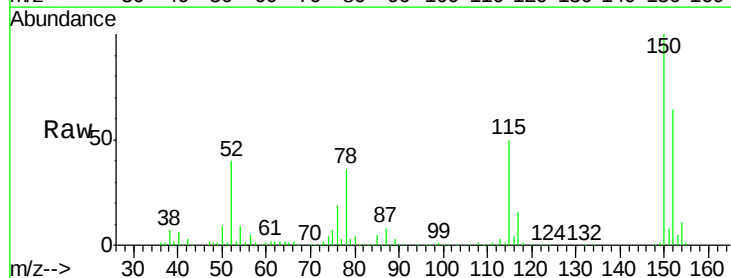
Tgt Ion: 79 Resp: 14987

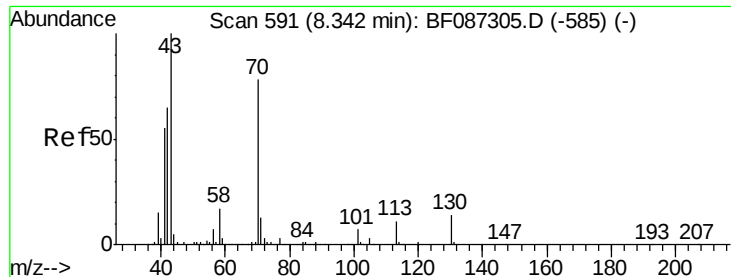
Ion Ratio Lower Upper

79 100

108 28.7 68.4 102.6#

77 101.0 50.6 76.0#

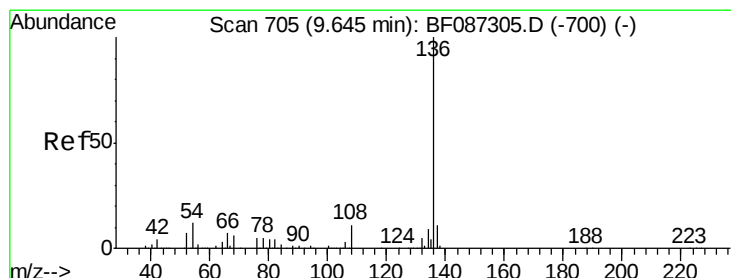
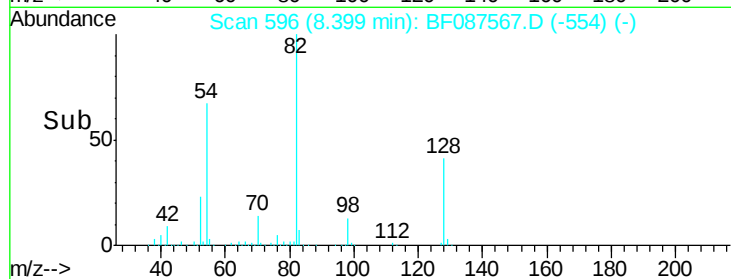
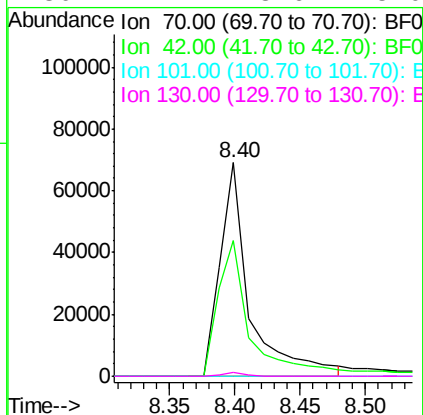
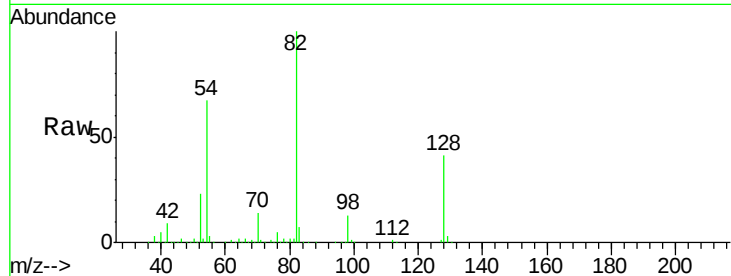




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.82 ng  
RT: 8.40 min Scan# 596  
Delta R.T. 0.18 min  
Lab File: BF087567.D  
Acq: 31 May 2016 1:02

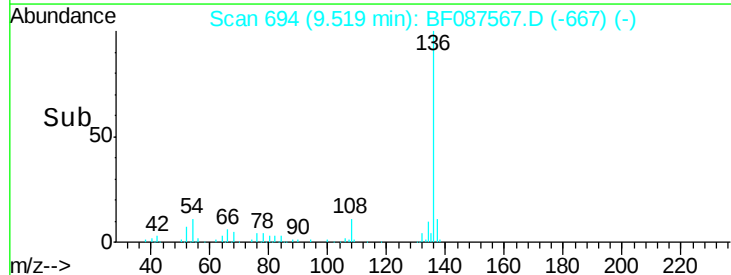
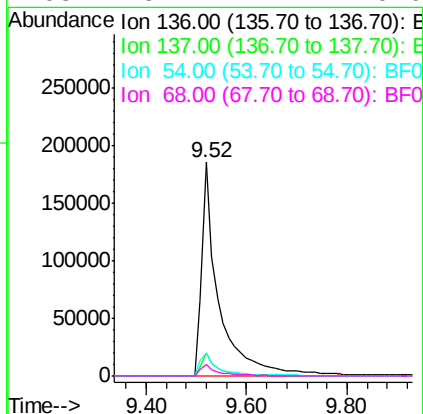
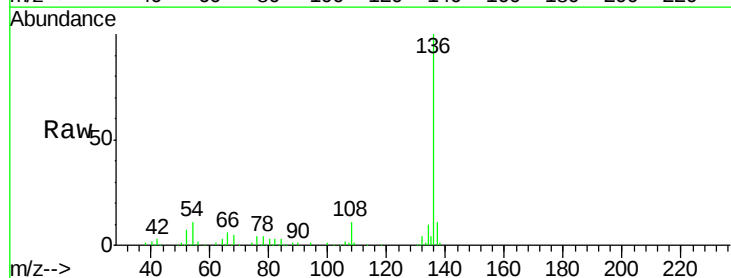
Instrument :  
BNA\_F  
ClientSampleId :  
MW-17

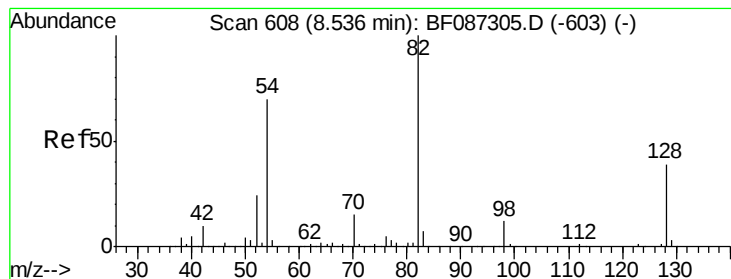
Tgt Ion: 70 Resp: 109170  
Ion Ratio Lower Upper  
70 100  
42 63.5 43.1 64.7  
101 0.0 8.1 12.1#  
130 2.1 18.6 28.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.52 min Scan# 694  
Delta R.T. 0.01 min  
Lab File: BF087567.D  
Acq: 31 May 2016 1:02

Tgt Ion: 136 Resp: 441904  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 10.5 5.0 7.4#  
68 5.1 4.4 6.6





#23

Nitrobenzene-d5

Concen: 99.34 ng

RT: 8.40 min Scan# 596

Delta R.T. -0.01 min

Lab File: BF087567.D

Acq: 31 May 2016 1:02

Instrument :

BNA\_F

ClientSampleId :

MW-17

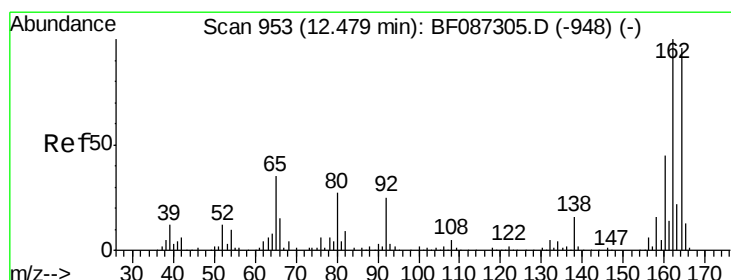
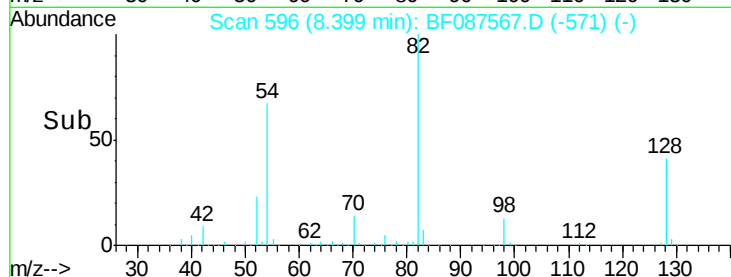
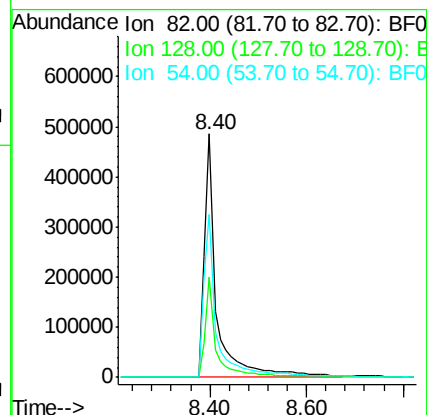
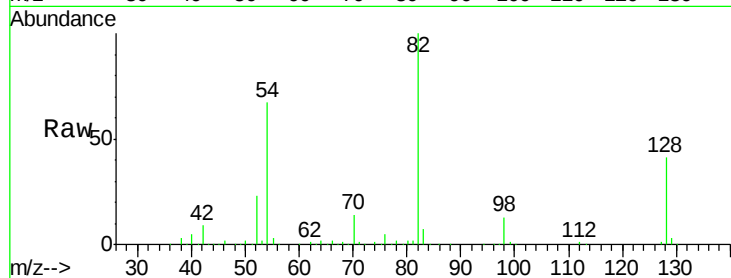
Tgt Ion: 82 Resp: 870991

Ion Ratio Lower Upper

82 100

128 41.2 40.6 61.0

54 66.8 38.1 57.1#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.34 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF087567.D

Acq: 31 May 2016 1:02

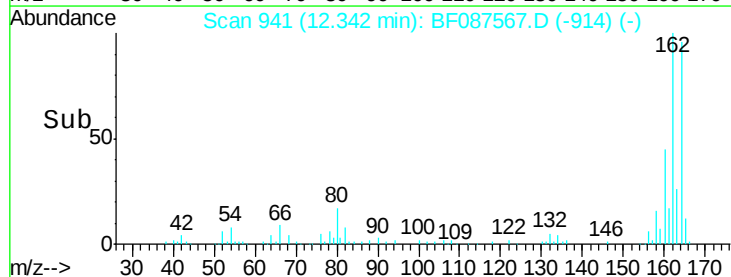
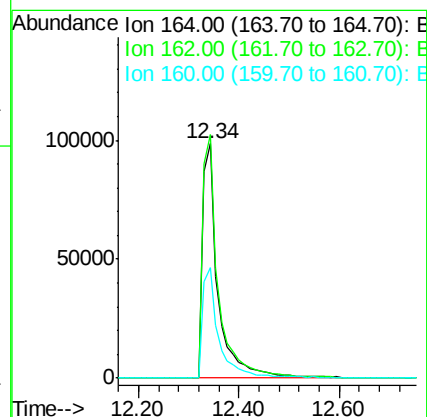
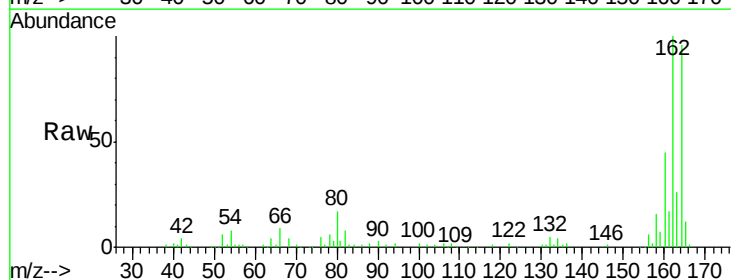
Tgt Ion: 164 Resp: 212112

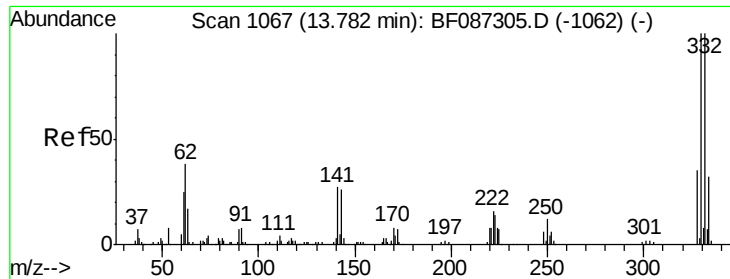
Ion Ratio Lower Upper

164 100

162 103.9 82.8 124.2

160 47.1 36.9 55.3

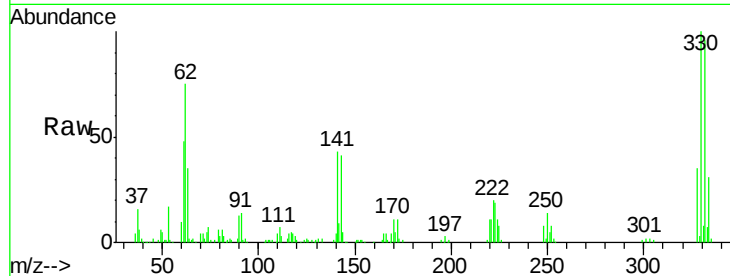




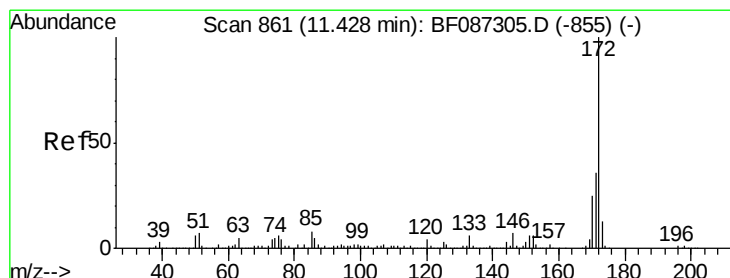
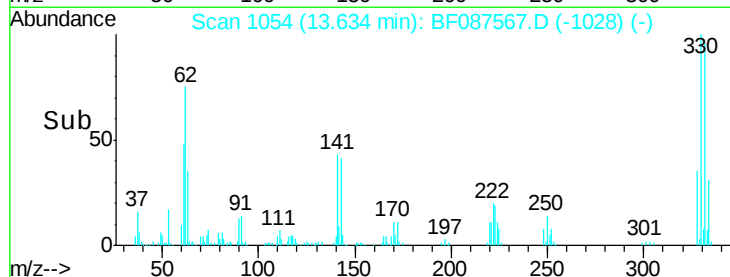
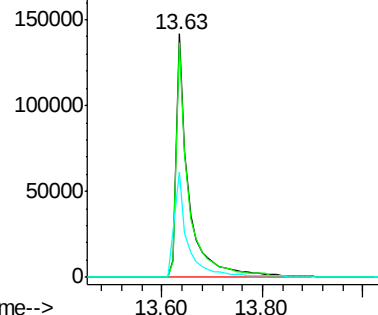
#41  
 2,4,6-Tribromophenol  
 Concen: 120.81 ng  
 RT: 13.63 min Scan# 1054  
 Delta R.T. 0.00 min  
 Lab File: BF087567.D  
 Acq: 31 May 2016 1:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-17

Tgt Ion:330 Resp: 246251  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 79.0 118.4  
 141 47.1 31.2 46.8#

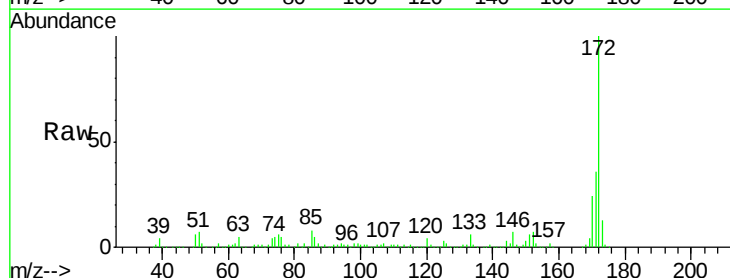


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

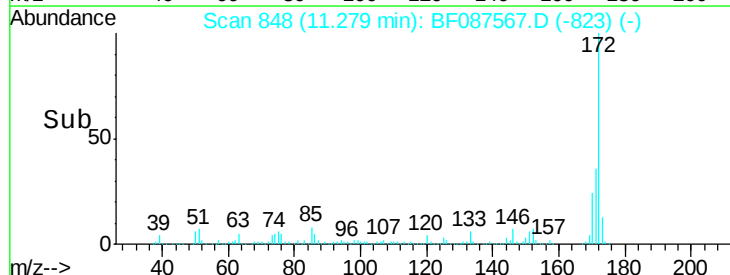
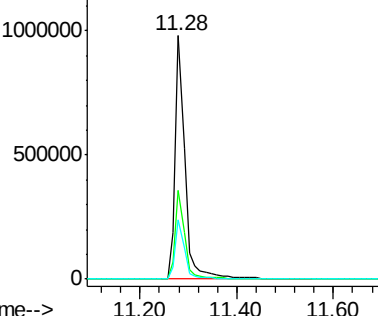


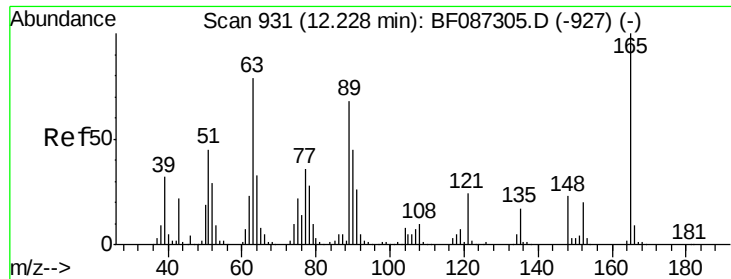
#44  
 2-Fluorobiphenyl  
 Concen: 92.54 ng  
 RT: 11.28 min Scan# 848  
 Delta R.T. -0.01 min  
 Lab File: BF087567.D  
 Acq: 31 May 2016 1:02

Tgt Ion:172 Resp: 1392297  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.0 43.6  
 170 24.4 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

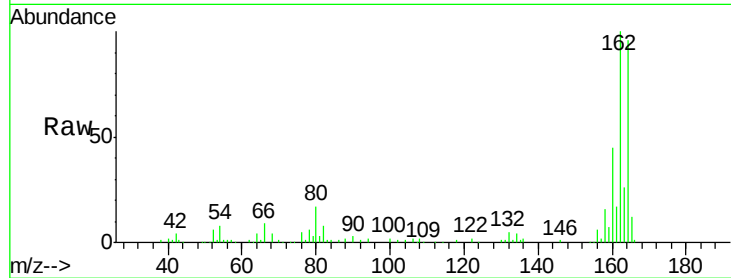




#50  
 2,6-Dinitrotoluene  
 Concen: 6.37 ng  
 RT: 12.34 min Scan# 941  
 Delta R.T. 0.24 min  
 Lab File: BF087567.D  
 Acq: 31 May 2016 1:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-17

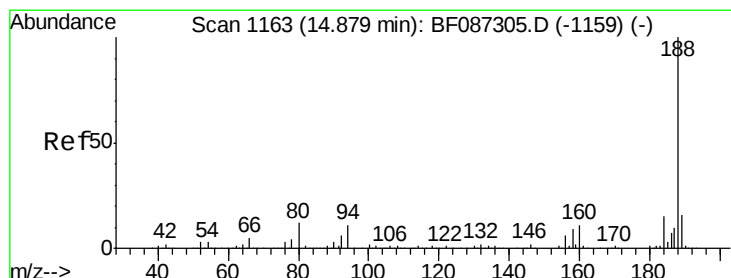
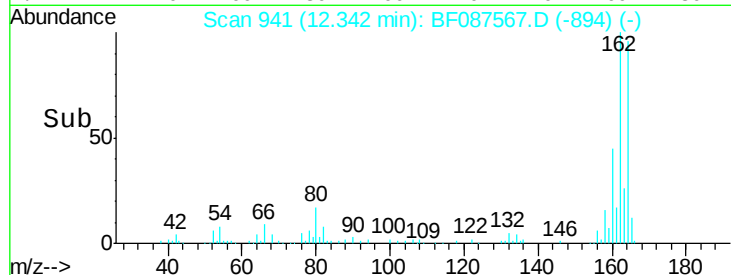
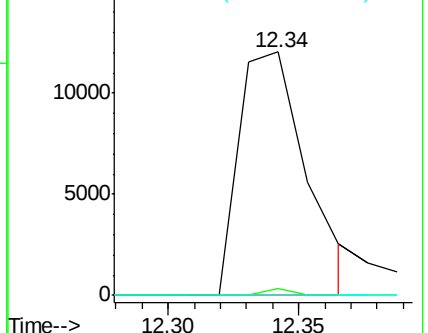
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.8   | 51.8  | 77.8# |
| 89      | 0.0   | 50.7  | 76.1# |



Abundance Ion 165.00 (164.70 to 165.70): E

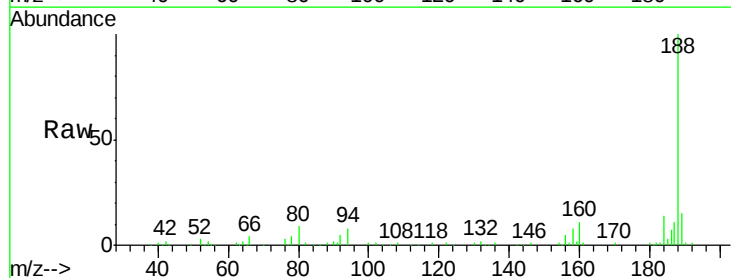
Ion 63.00 (62.70 to 63.70): BF0

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: BF087567.D  
 Acq: 31 May 2016 1:02

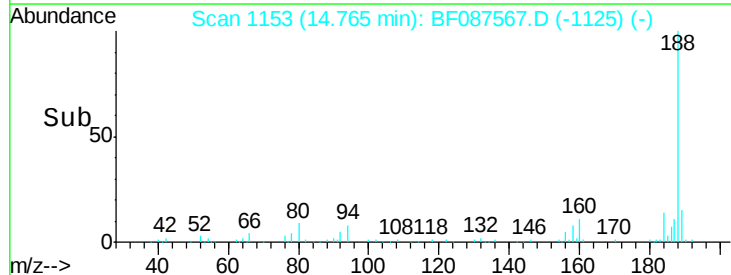
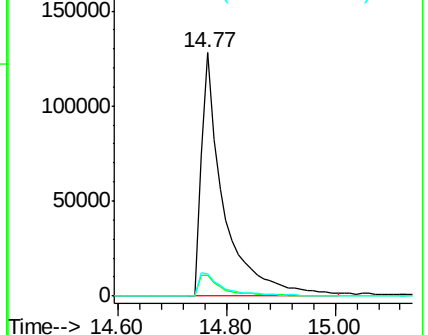
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.5   | 6.8   | 10.2  |
| 80      | 9.2   | 7.1   | 10.7  |



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: 18.49 min Scan# 1479

Delta R.T. 0.05 min

Lab File: BF087567.D

Acq: 31 May 2016 1:02

Instrument :

BNA\_F

ClientSampleId :

MW-17

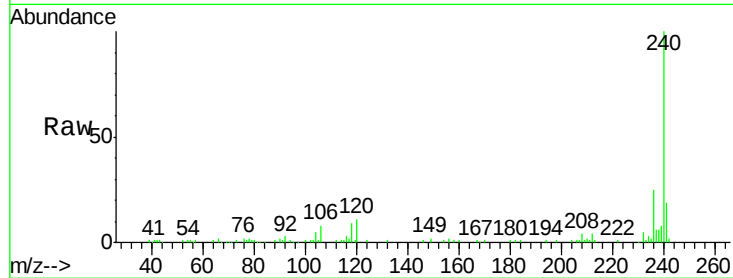
Tgt Ion:240 Resp: 247516

Ion Ratio Lower Upper

240 100

120 11.3 11.2 16.8

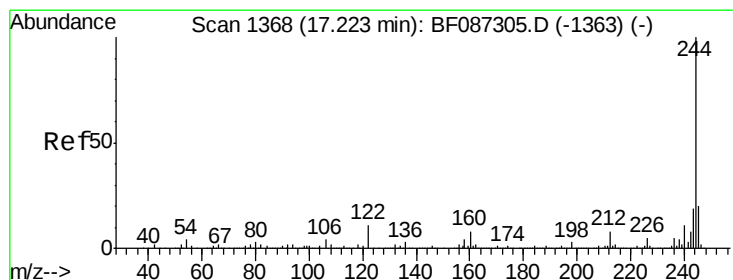
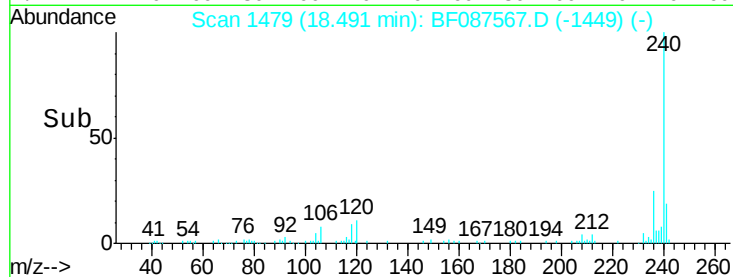
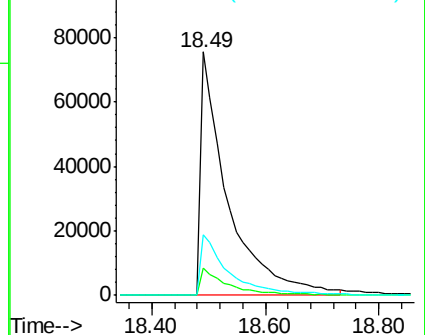
236 25.1 21.2 31.8



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: 96.82 ng

RT: 17.10 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BF087567.D

Acq: 31 May 2016 1:02

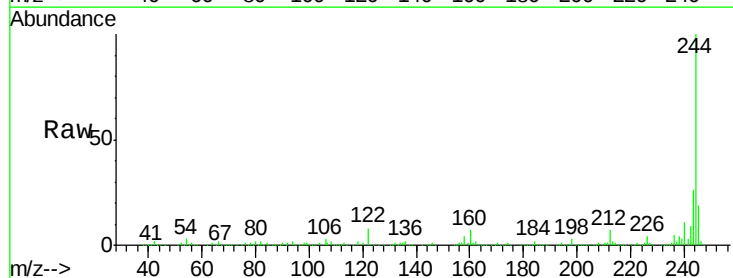
Tgt Ion:244 Resp: 1127181

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

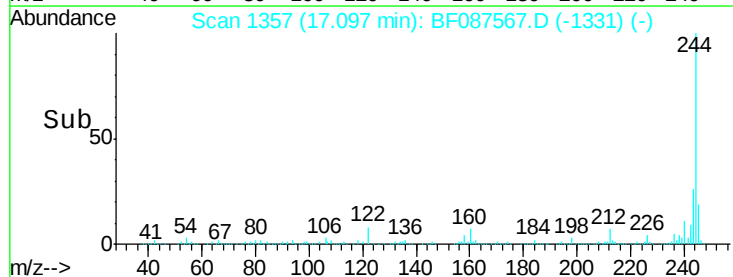
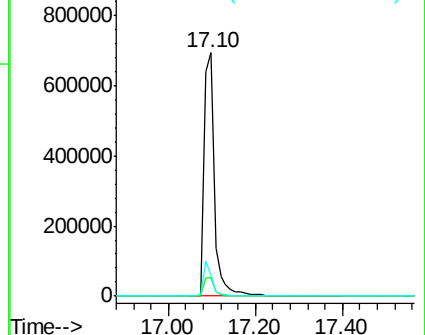
122 8.4 12.0 18.0#

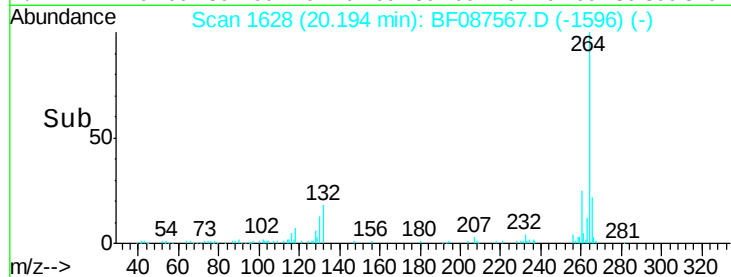
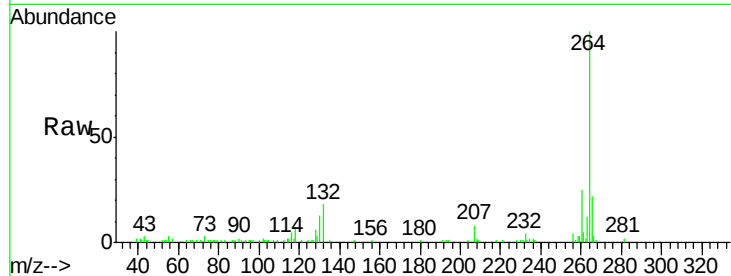
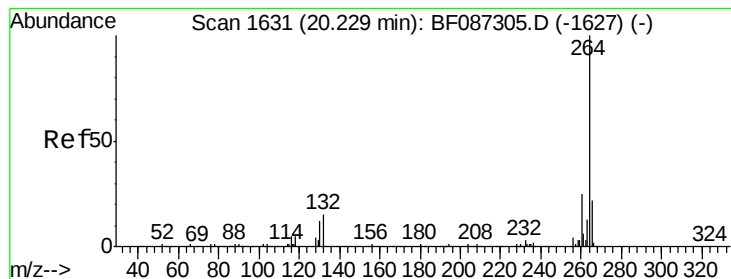


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF087567.D

Acq: 31 May 2016 1:02

Instrument :

BNA\_F

ClientSampleId :

MW-17

Tgt Ion: 264 Resp: 201595

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 22.0 17.3 25.9

