

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\  
 Data File : BF083157.D  
 Acq On : 22 Nov 2015 14:19  
 Operator : UM/IZ  
 Sample : G4504-05  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-01

Quant Time: Nov 23 04:14:19 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Nov 22 09:22:46 2015  
 Response via : Initial Calibration

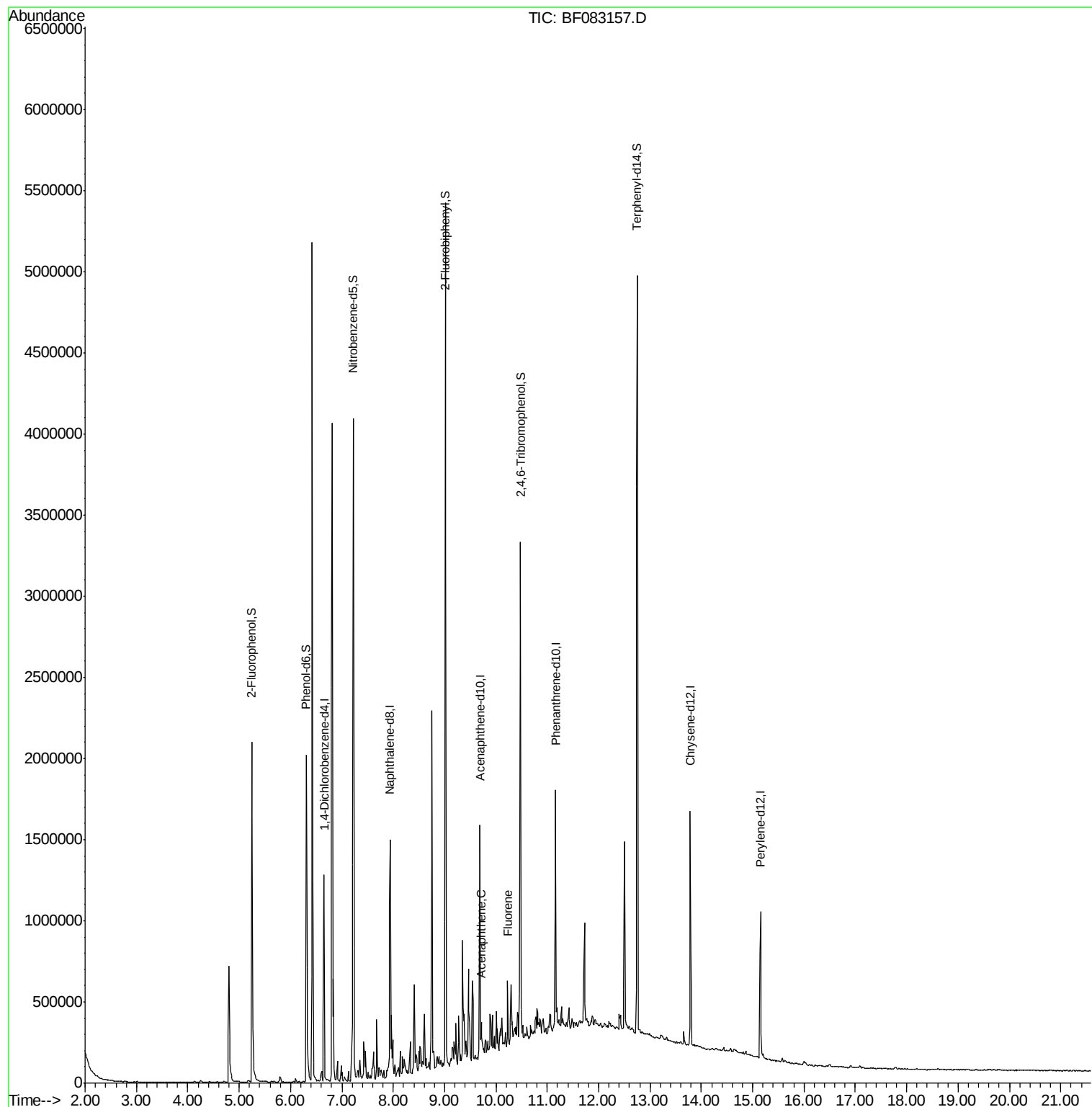
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.65  | 152  | 197679   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.94  | 136  | 754220   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.69  | 164  | 372457   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.16 | 188  | 674862   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.78 | 240  | 551851   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.15 | 264  | 462637   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.24  | 112  | 857465   | 65.58  | ng    | -0.03    |
| 7) Phenol-d6                | 6.31  | 99   | 757902   | 44.80  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.22  | 82   | 1401553  | 84.91  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.48 | 330  | 497236   | 130.49 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.02  | 172  | 2191224  | 82.04  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.75 | 244  | 1928334  | 82.29  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 51) Acenaphthene            | 9.71  | 154  | 47606    | 2.03   | ng    | 98       |
| 57) Fluorene                | 10.23 | 166  | 84875    | 3.09   | ng    | 95       |

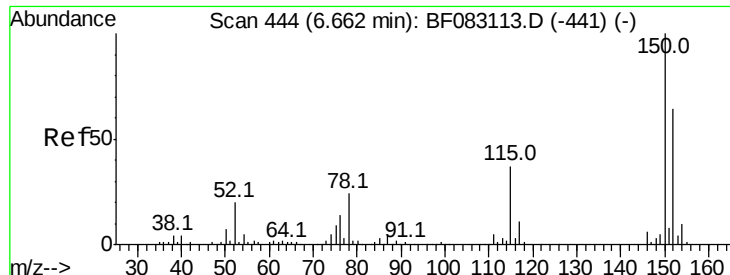
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\  
Data File : BF083157.D  
Acq On : 22 Nov 2015 14:19  
Operator : UM/IZ  
Sample : G4504-05  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-01

Quant Time: Nov 23 04:14:19 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Nov 22 09:22:46 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083157.D

Acq: 22 Nov 2015 14:19

Instrument :

BNA\_F

ClientSampled :

MW-01

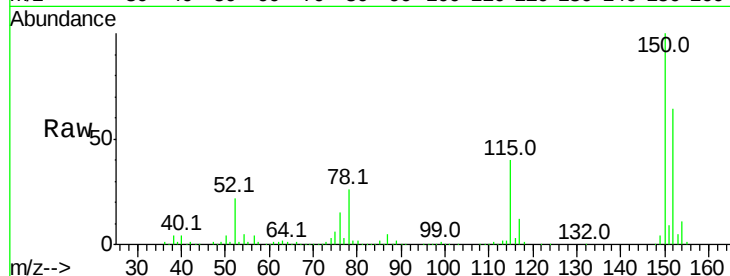
Tot Ion:152 Resp: 197679

Ion Ratio Lower Upper

152 100

150 156.5 125.8 188.8

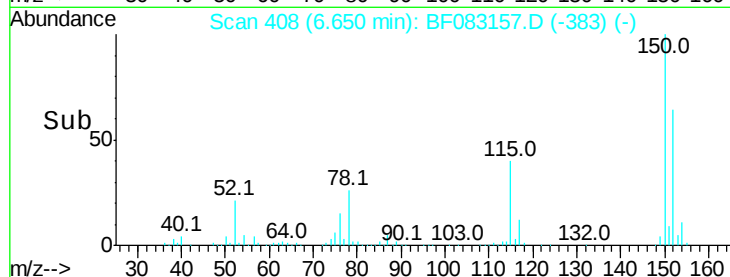
115 62.0 46.9 70.3



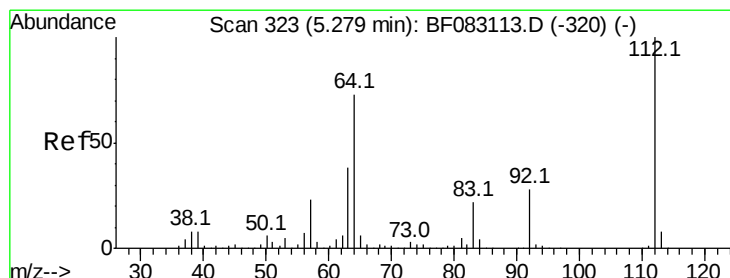
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 65.58 ng

RT: 5.24 min Scan# 285

Delta R.T. -0.03 min

Lab File: BF083157.D

Acq: 22 Nov 2015 14:19

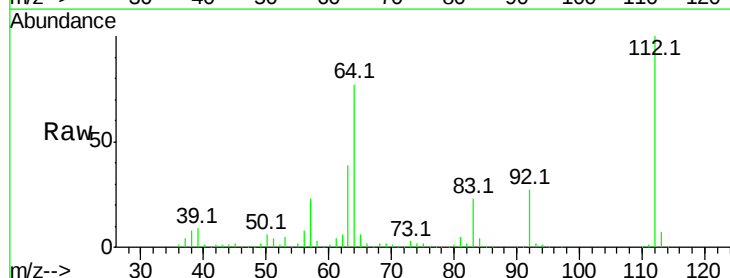
Tgt Ion:112 Resp: 857465

Ion Ratio Lower Upper

112 100

64 76.8 58.4 87.6

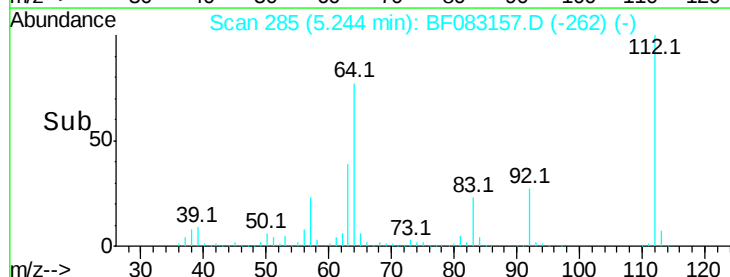
63 38.5 30.0 45.0



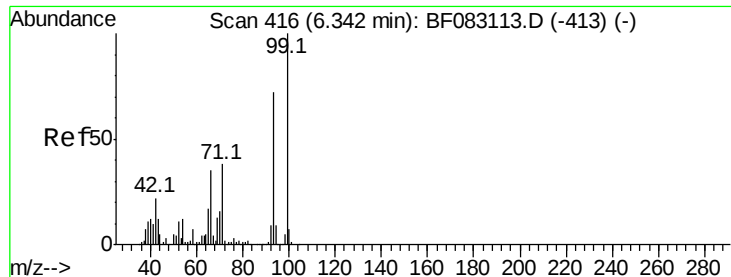
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 44.80 ng

RT: 6.31 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF083157.D

Acq: 22 Nov 2015 14:19

Instrument :

BNA\_F

ClientSampleId :

MW-01

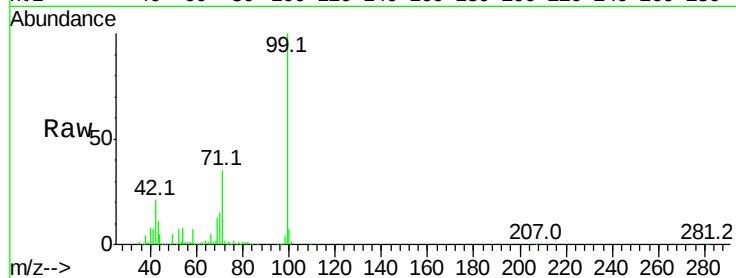
Tot Ion: 99 Resp: 757902

Ion Ratio Lower Upper

99 100

42 20.9 17.7 26.5

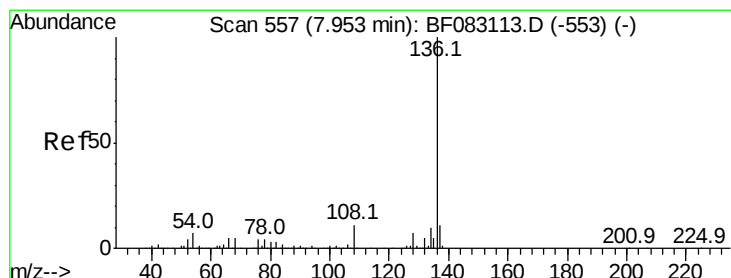
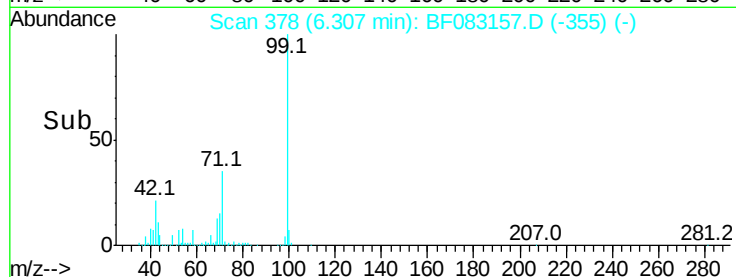
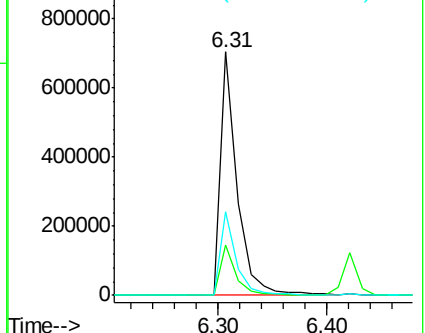
71 34.5 30.2 45.4



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF083157.D

Acq: 22 Nov 2015 14:19

Tgt Ion: 136 Resp: 754220

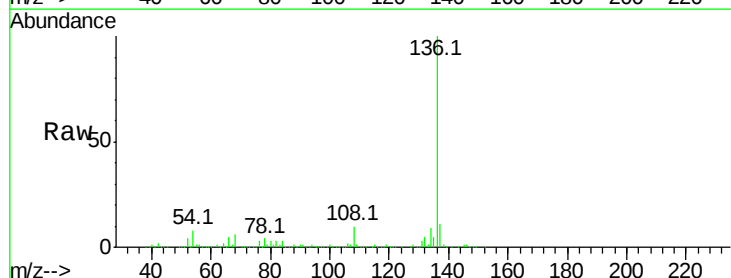
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.6 5.8 8.6

68 6.1 3.8 5.8#

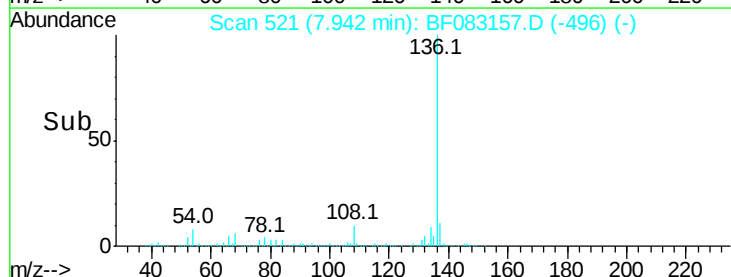
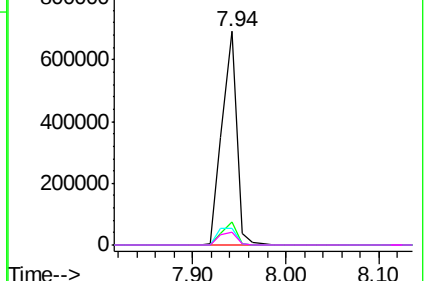


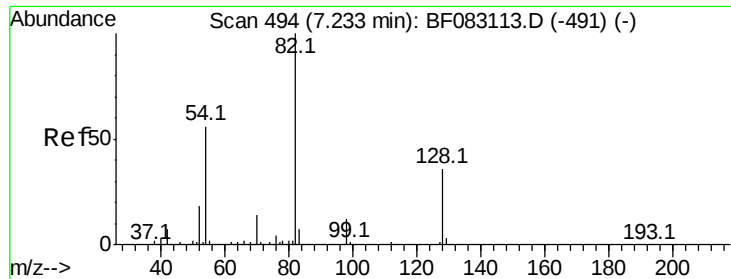
Abundance Ion 136.00 (135.70 to 136.70): E

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

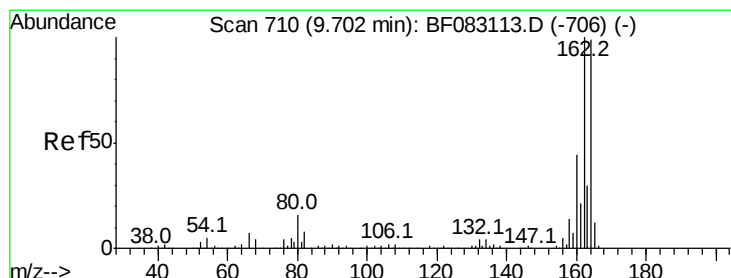
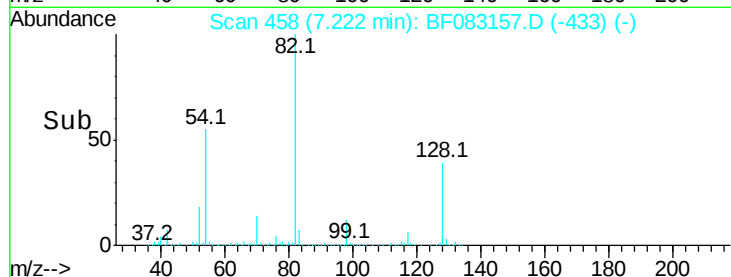
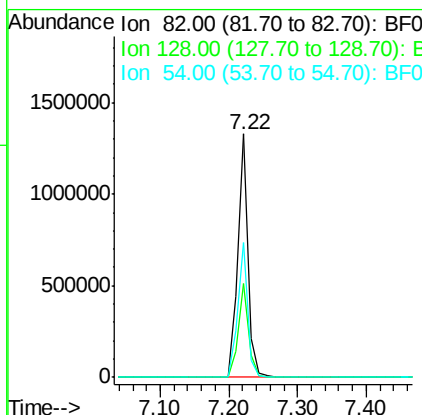
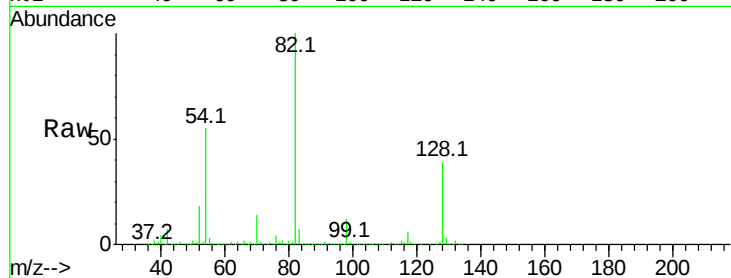




#23  
 Nitrobenzene-d5  
 Concen: 84.91 ng  
 RT: 7.22 min Scan# 458  
 Delta R.T. -0.01 min  
 Lab File: BF083157.D  
 Acq: 22 Nov 2015 14:19

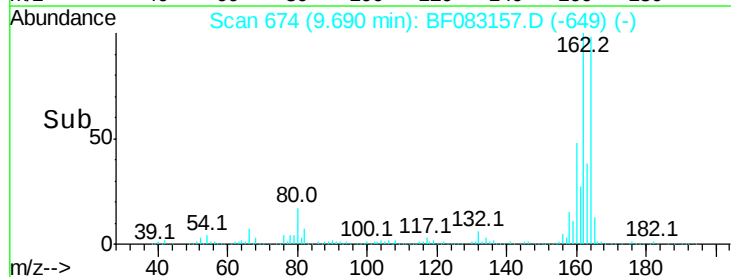
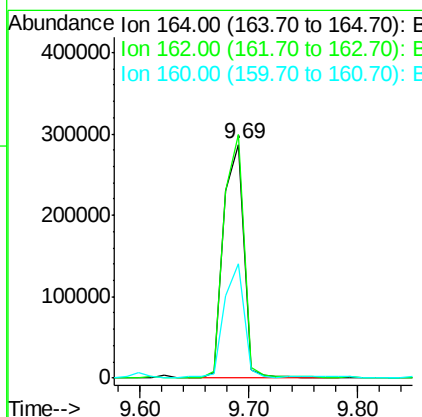
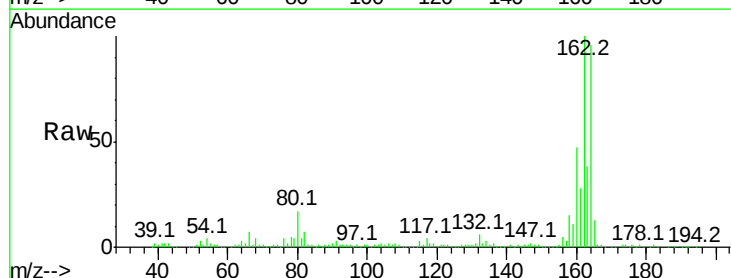
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-01

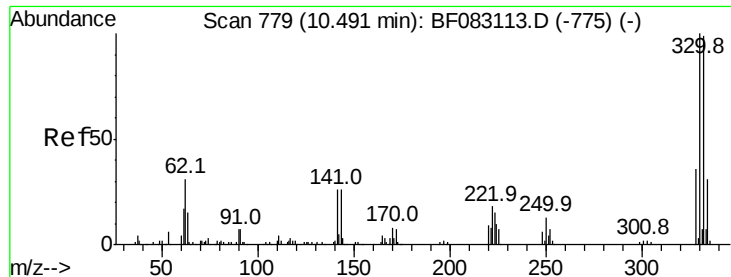
Tot Ion: 82 Resp: 1401553  
 Ion Ratio Lower Upper  
 82 100  
 128 38.8 28.5 42.7  
 54 55.2 44.6 67.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.69 min Scan# 674  
 Delta R.T. -0.01 min  
 Lab File: BF083157.D  
 Acq: 22 Nov 2015 14:19

Tgt Ion: 164 Resp: 372457  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 81.2 121.8  
 160 48.9 35.6 53.4

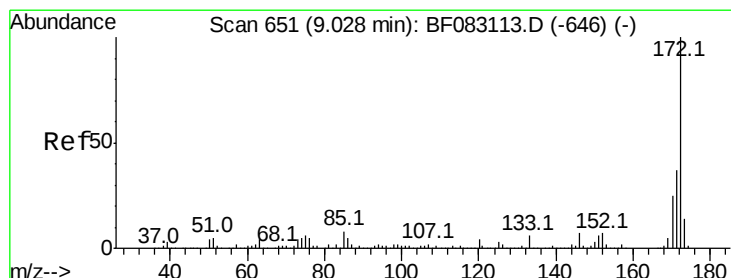
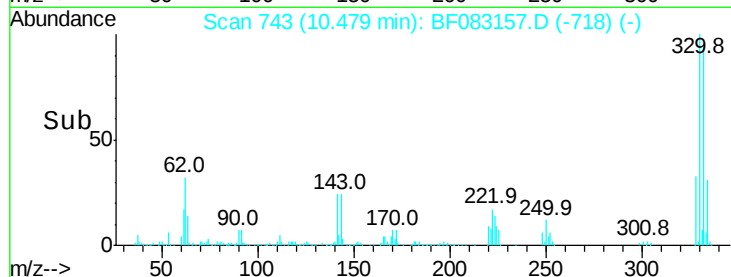
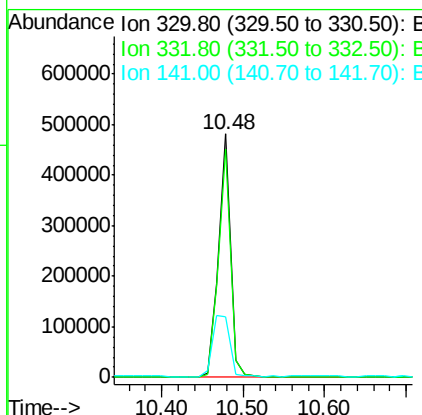
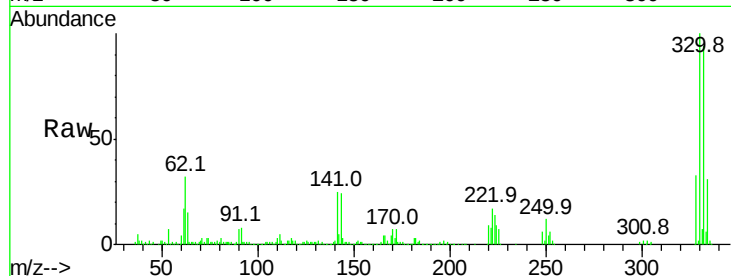




#41  
 2,4,6-Tribromophenol  
 Concen: 130.49 ng  
 RT: 10.48 min Scan# 743  
 Delta R.T. -0.01 min  
 Lab File: BF083157.D  
 Acq: 22 Nov 2015 14:19

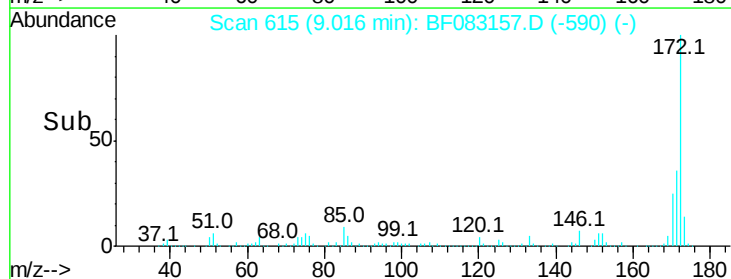
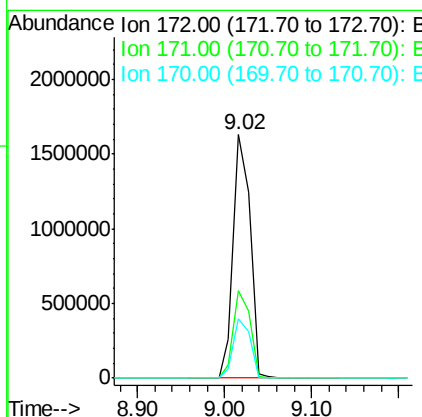
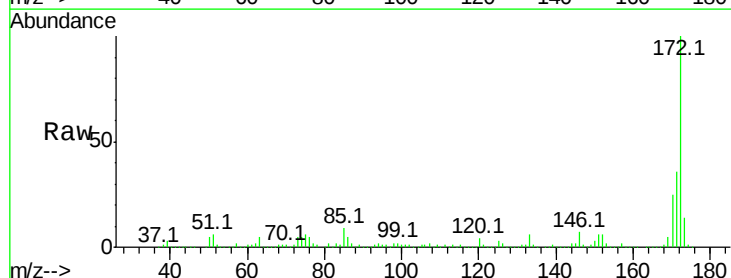
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-01

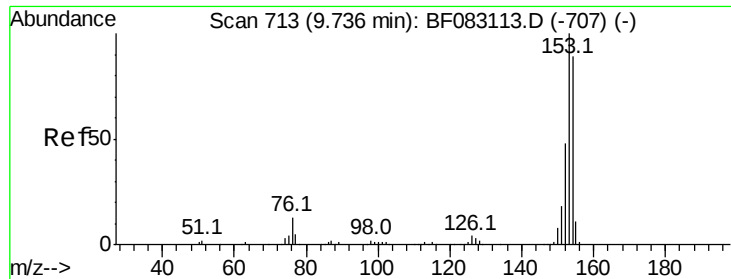
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 77.7  | 116.5 |
| 141     | 36.6  | 29.7  | 44.5  |



#44  
 2-Fluorobiphenyl  
 Concen: 82.04 ng  
 RT: 9.02 min Scan# 615  
 Delta R.T. -0.01 min  
 Lab File: BF083157.D  
 Acq: 22 Nov 2015 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.5  | 44.3  |
| 170     | 24.6  | 19.9  | 29.9  |





#51

Acenaphthene

Concen: 2.03 ng

RT: 9.71 min Scan# 676

Delta R.T. -0.02 min

Lab File: BF083157.D

Acq: 22 Nov 2015 14:19

Instrument :

BNA\_F

ClientSampleId :

MW-01

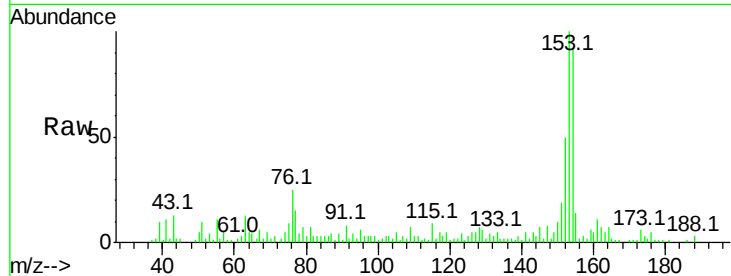
Tot Ion:154 Resp: 47606

Ion Ratio Lower Upper

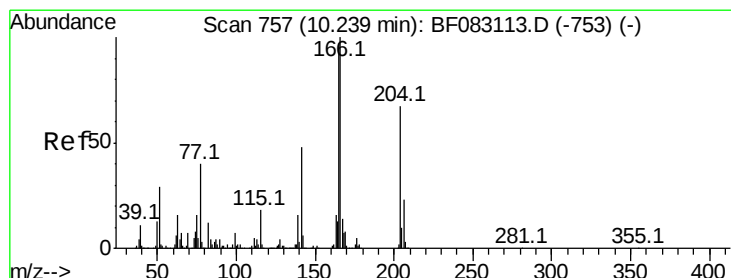
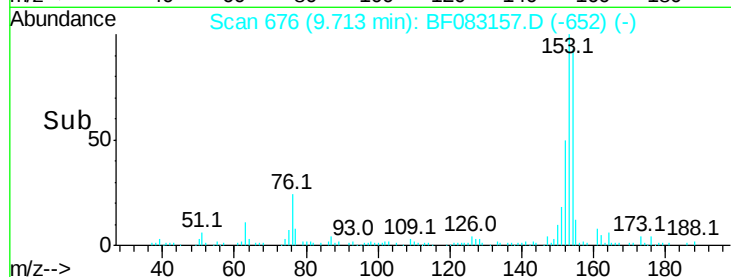
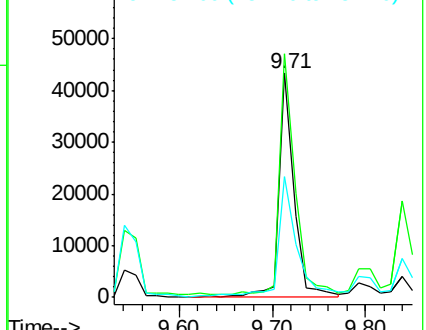
154 100

153 108.7 89.6 134.4

152 53.9 43.3 64.9



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



#57

Fluorene

Concen: 3.09 ng

RT: 10.23 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF083157.D

Acq: 22 Nov 2015 14:19

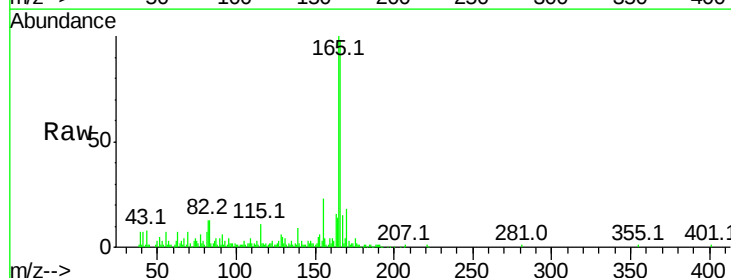
Tgt Ion:166 Resp: 84875

Ion Ratio Lower Upper

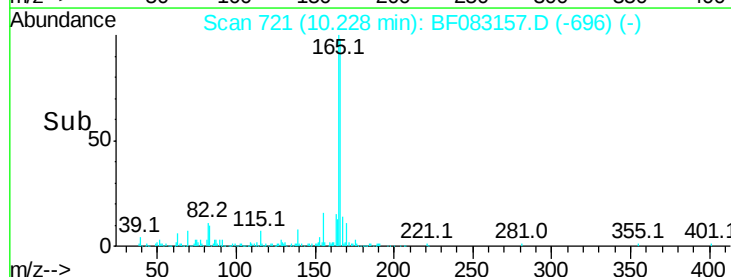
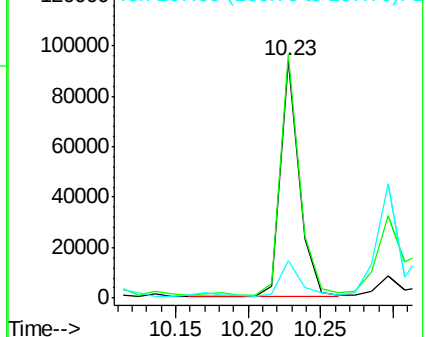
166 100

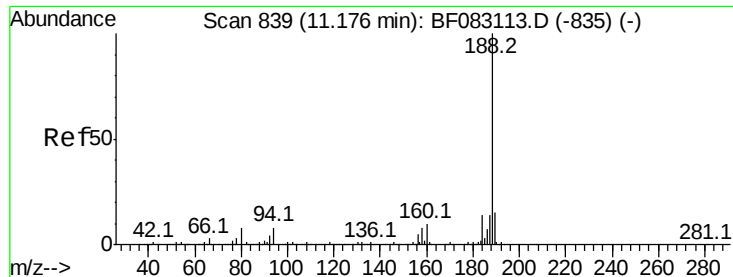
165 102.5 78.0 117.0

167 15.8 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E

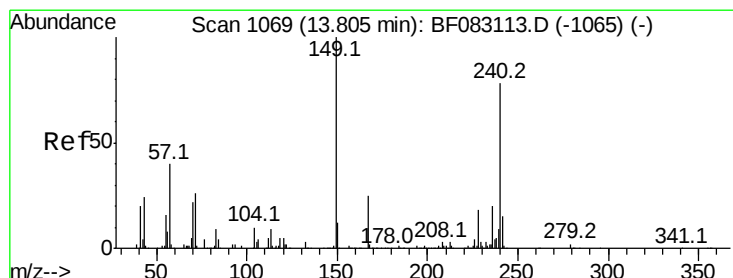
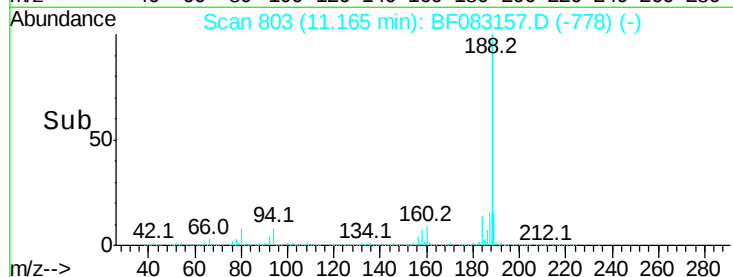
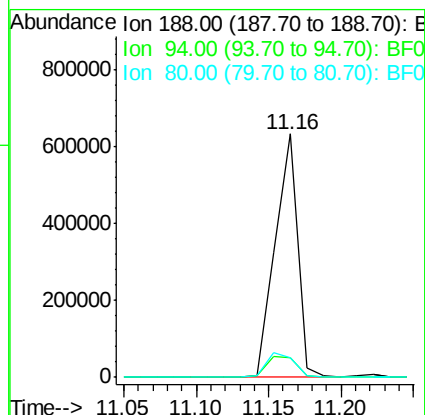
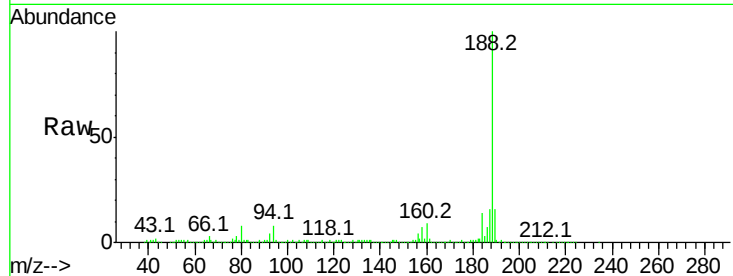




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.16 min Scan# 803  
Delta R.T. -0.01 min  
Lab File: BF083157.D  
Acq: 22 Nov 2015 14:19

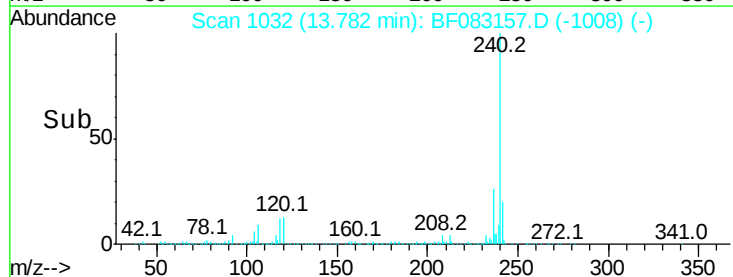
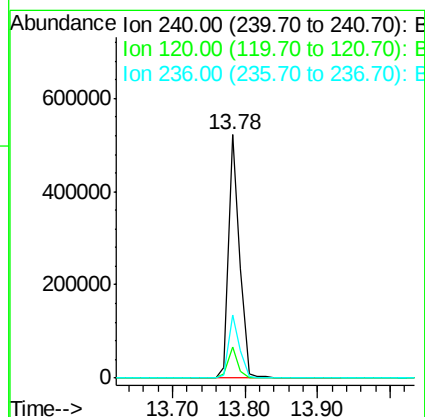
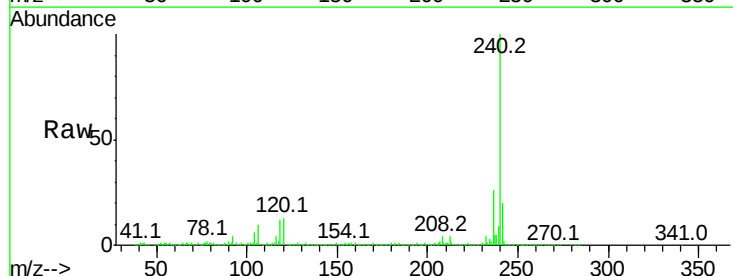
Instrument :  
BNA\_F  
ClientSampleId :  
MW-01

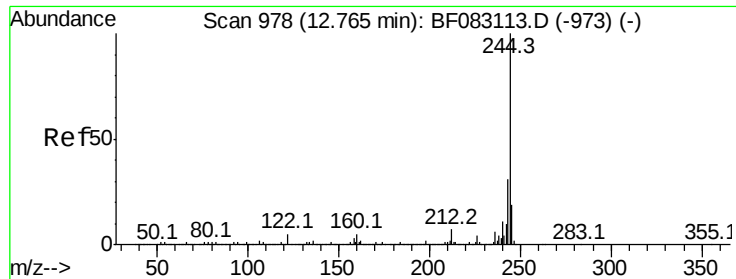
Tot Ion:188 Resp: 674862  
Ion Ratio Lower Upper  
188 100  
94 8.1 6.0 9.0  
80 8.2 6.7 10.1



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.78 min Scan# 1032  
Delta R.T. -0.02 min  
Lab File: BF083157.D  
Acq: 22 Nov 2015 14:19

Tgt Ion:240 Resp: 551851  
Ion Ratio Lower Upper  
240 100  
120 13.0 5.4 8.2#  
236 26.1 20.6 31.0

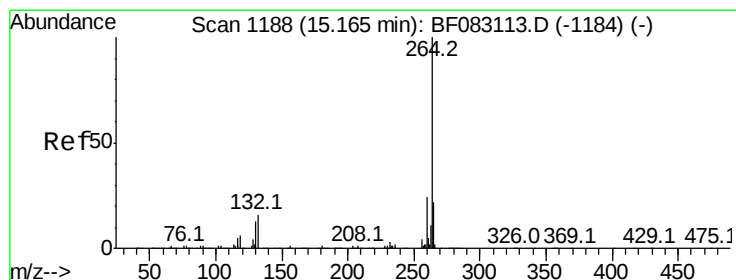
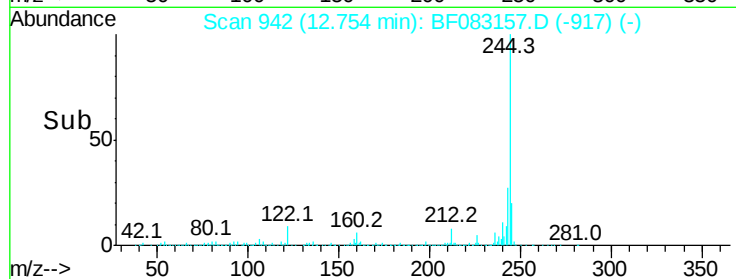
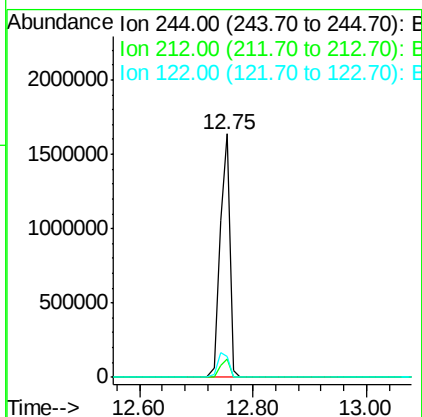
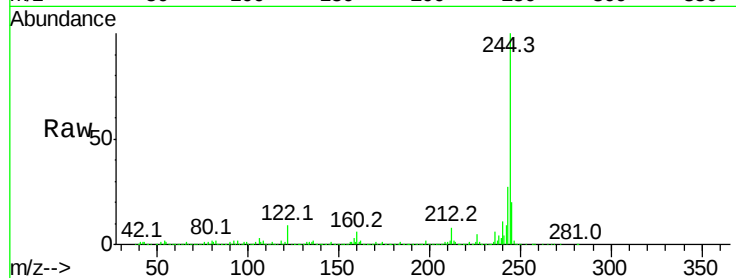




#78  
 Terphenyl-d14  
 Concen: 82.29 ng  
 RT: 12.75 min Scan# 942  
 Delta R.T. -0.01 min  
 Lab File: BF083157.D  
 Acq: 22 Nov 2015 14:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-01

Tot Ion:244 Resp: 1928334  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 5.4 8.2  
 122 8.7 4.3 6.5#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.15 min Scan# 1152  
 Delta R.T. -0.01 min  
 Lab File: BF083157.D  
 Acq: 22 Nov 2015 14:19

Tgt Ion:264 Resp: 462637  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 19.1 28.7  
 265 20.5 18.2 27.4

