

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF073016\  
 Data File : BF089432.D  
 Acq On : 30 Jul 2016 2:41  
 Operator : UM/SJ  
 Sample : H4221-17  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-46-10.0-15.0

Quant Time: Jul 30 03:14:44 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 30 01:00:15 2016  
 Response via : Initial Calibration

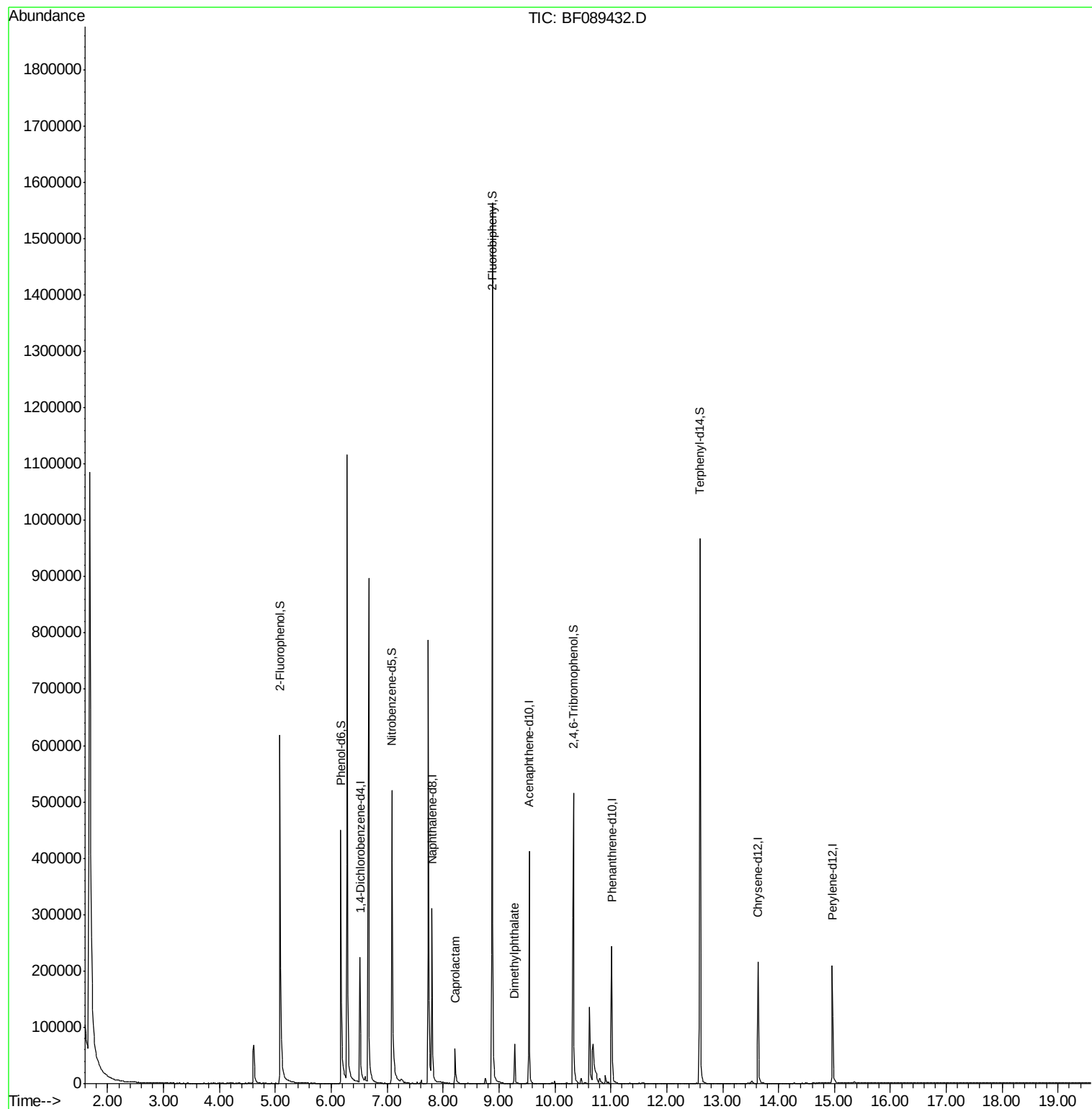
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.51  | 152  | 46815    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.80  | 136  | 180366   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.54  | 164  | 80906    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.02 | 188  | 115875   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.63 | 240  | 92631    | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 14.96 | 264  | 100122   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.08  | 112  | 227345   | 77.54  | ng    | 0.00     |
| 7) Phenol-d6                | 6.17  | 99   | 220413   | 56.89  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.08  | 82   | 297246   | 97.28  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.33 | 330  | 74324    | 110.92 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.88  | 172  | 505714   | 91.73  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.59 | 244  | 305563   | 77.20  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 35) Caprolactam             | 8.22  | 113  | 8372     | 12.29  | ng    | 92       |
| 49) Dimethylphthalate       | 9.28  | 163  | 30476    | 4.95   | ng    | 99       |

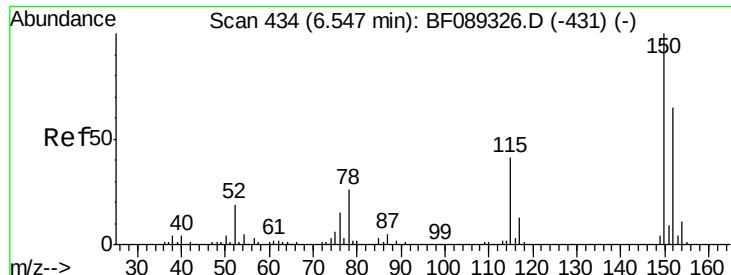
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 30 01:00:15 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.00 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

GW-46-10.0-15.0

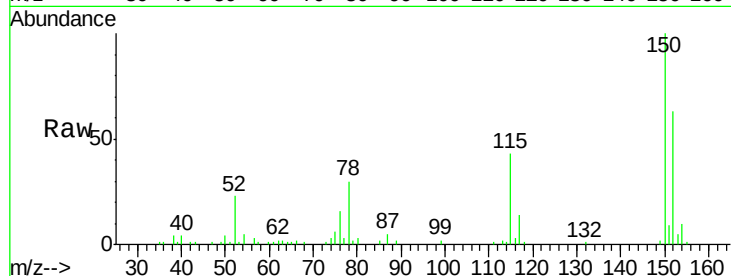
Tgt Ion:152 Resp: 46815

Ion Ratio Lower Upper

152 100

150 159.8 129.5 194.3

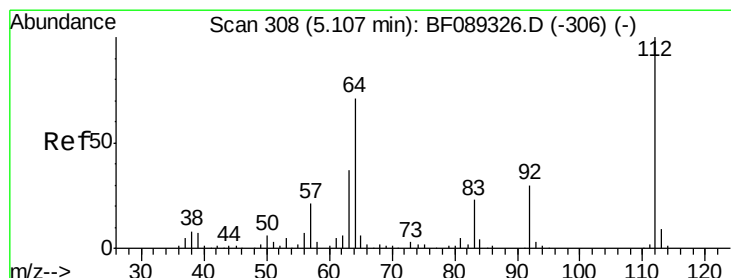
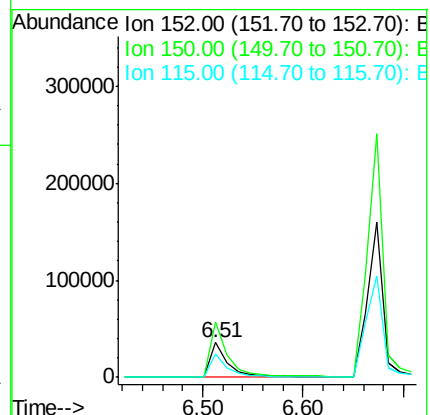
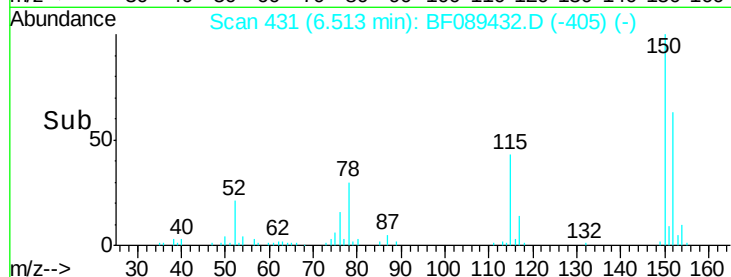
115 69.0 51.4 77.2



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: 77.54 ng

RT: 5.08 min Scan# 306

Delta R.T. -0.00 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

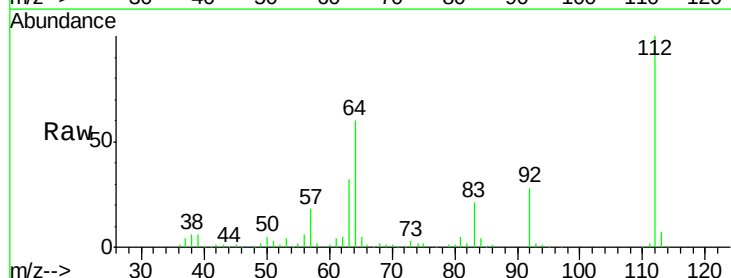
Tgt Ion:112 Resp: 227345

Ion Ratio Lower Upper

112 100

64 60.2 55.0 82.6

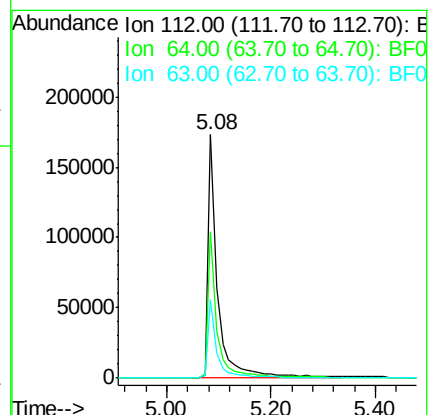
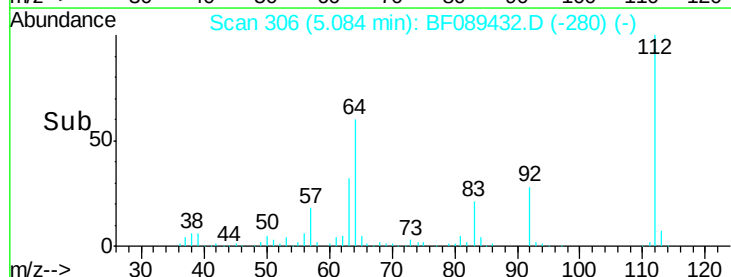
63 32.0 29.4 44.2

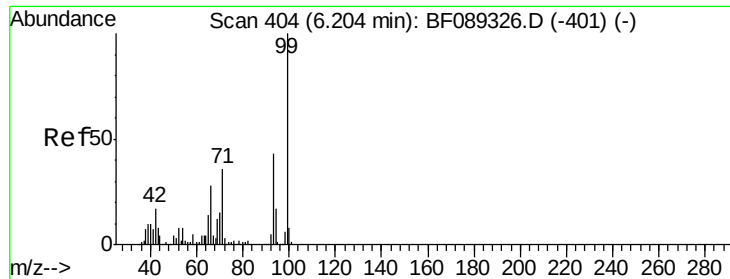


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 56.89 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

GW-46-10.0-15.0

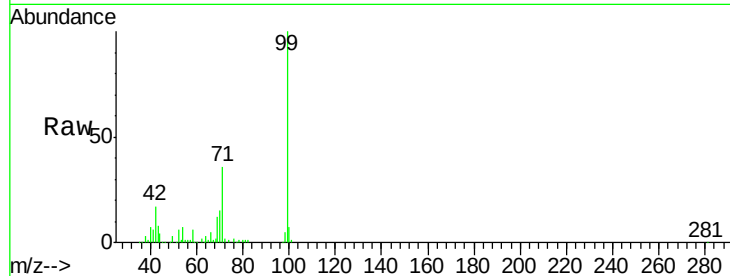
Tgt Ion: 99 Resp: 220413

Ion Ratio Lower Upper

99 100

42 16.9 13.6 20.4

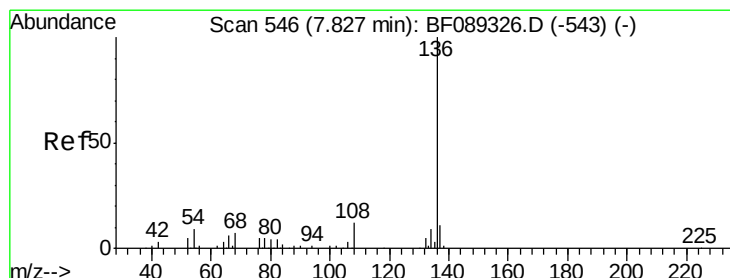
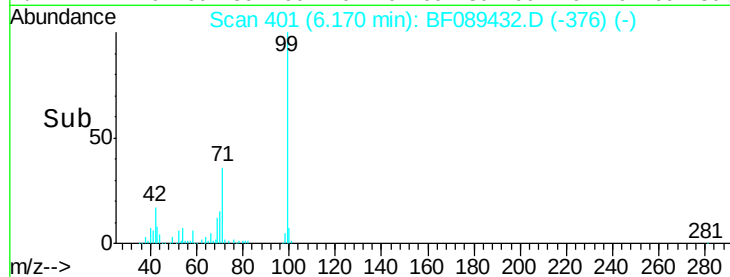
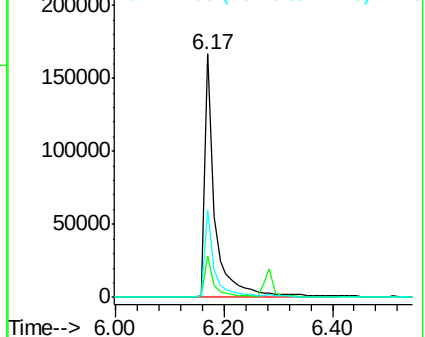
71 36.0 29.4 44.2



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: 7.80 min Scan# 544

Delta R.T. -0.00 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

Tgt Ion: 136 Resp: 180366

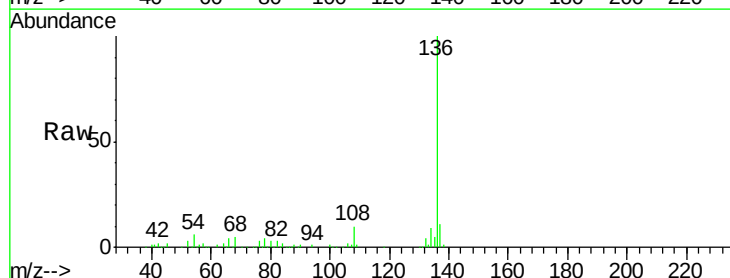
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 5.5 7.0 10.4#

68 4.7 4.9 7.3#

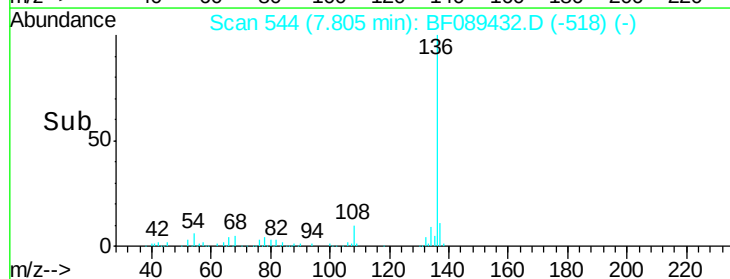
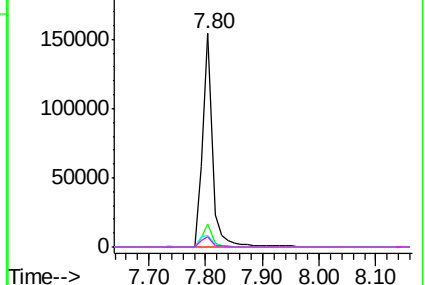


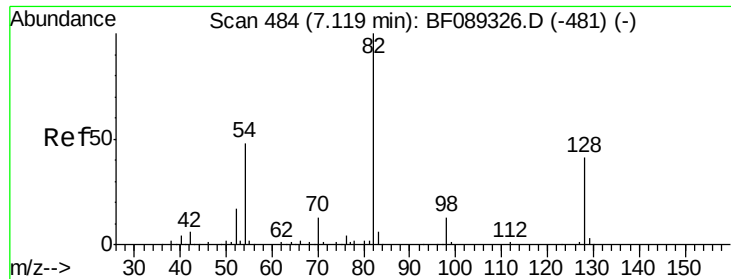
Abundance Ion 136.00 (135.70 to 136.70): E

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

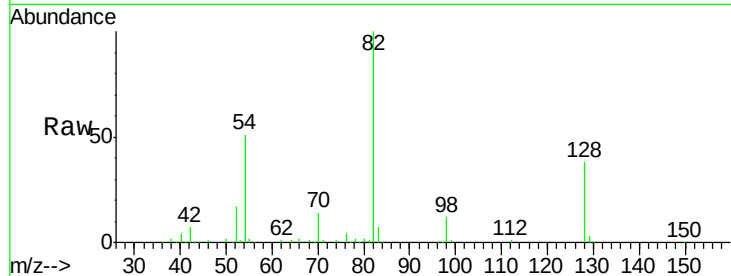




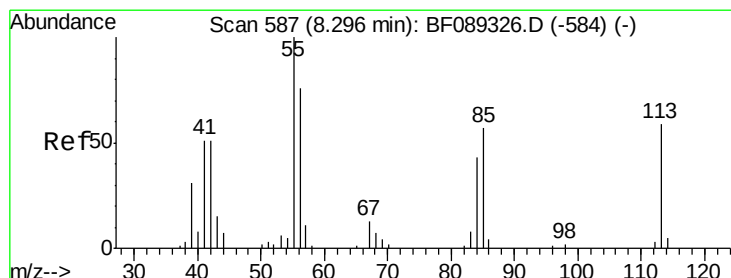
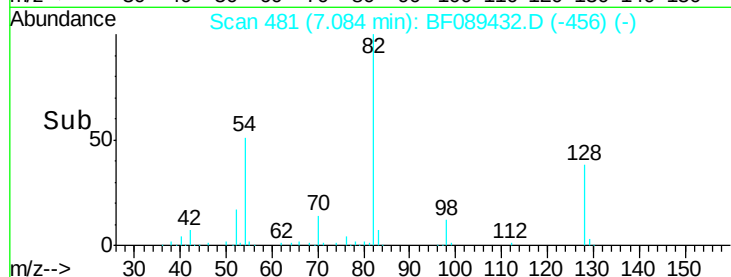
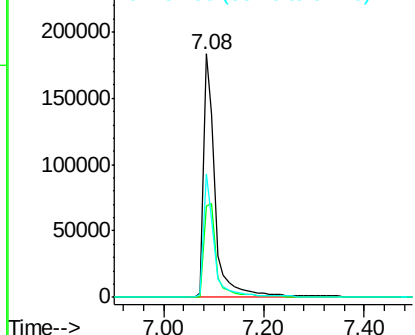
#23  
 Nitrobenzene-d5  
 Concen: 97.28 ng  
 RT: 7.08 min Scan# 481  
 Delta R.T. -0.01 min  
 Lab File: BF089432.D  
 Acq: 30 Jul 2016 2:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-46-10.0-15.0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.5  | 32.5  | 48.7  |
| 54      | 50.7  | 38.8  | 58.2  |

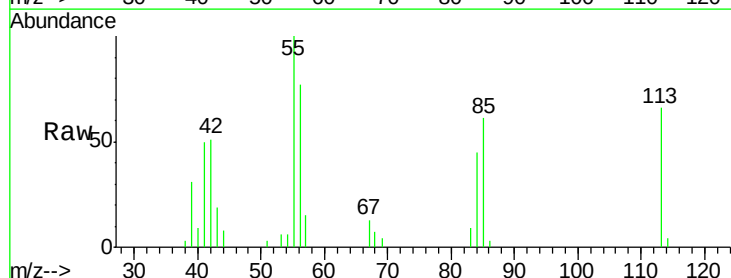


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

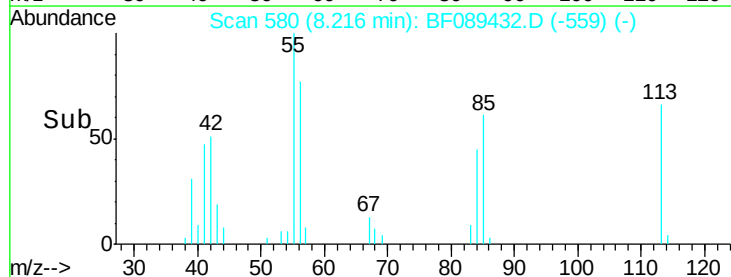
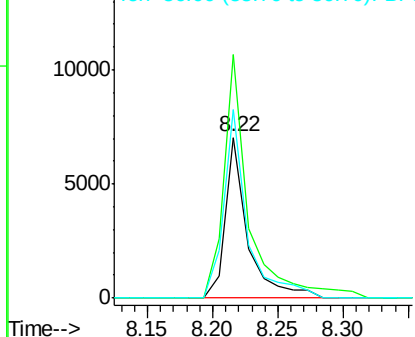


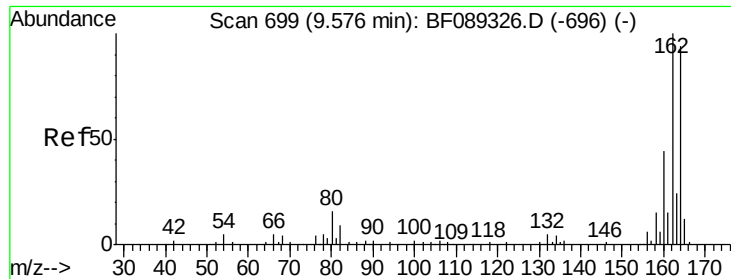
#35  
 Caprolactam  
 Concen: 12.29 ng  
 RT: 8.22 min Scan# 580  
 Delta R.T. -0.06 min  
 Lab File: BF089432.D  
 Acq: 30 Jul 2016 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 151.4 | 142.3 | 182.3 |
| 56      | 117.1 | 105.8 | 145.8 |



Abundance Ion 113.00 (112.70 to 113.70): BF0  
 Ion 55.00 (54.70 to 55.70): BF0  
 Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.00 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

Instrument :

BNA\_F

ClientSampleId :

GW-46-10.0-15.0

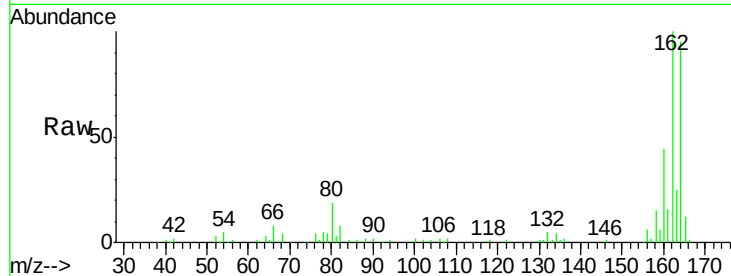
Tgt Ion:164 Resp: 80906

Ion Ratio Lower Upper

164 100

162 105.2 83.7 125.5

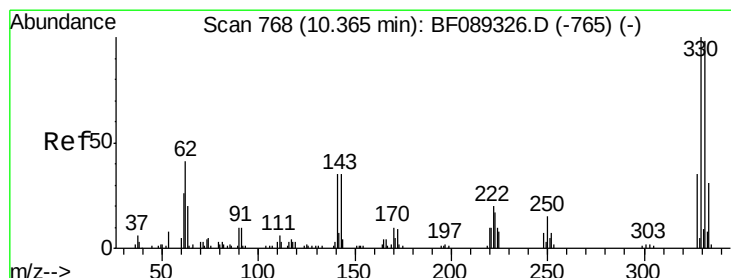
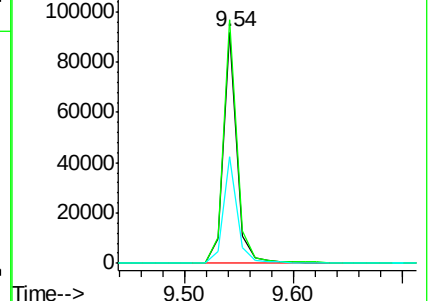
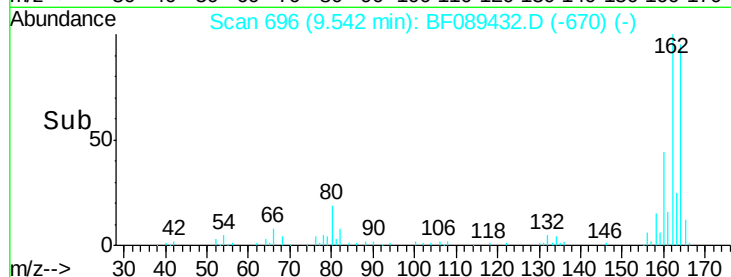
160 46.2 37.8 56.6



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: 110.92 ng

RT: 10.33 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

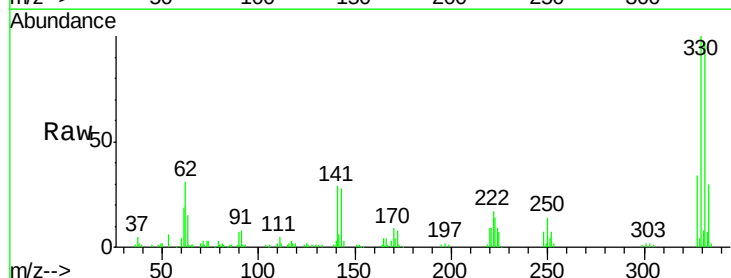
Tgt Ion:330 Resp: 74324

Ion Ratio Lower Upper

330 100

332 97.2 76.8 115.2

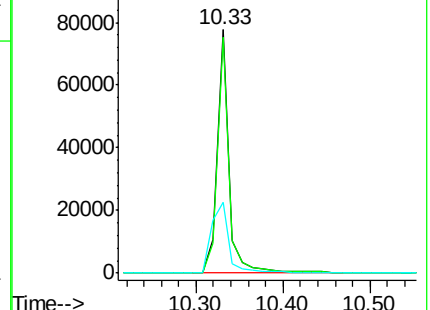
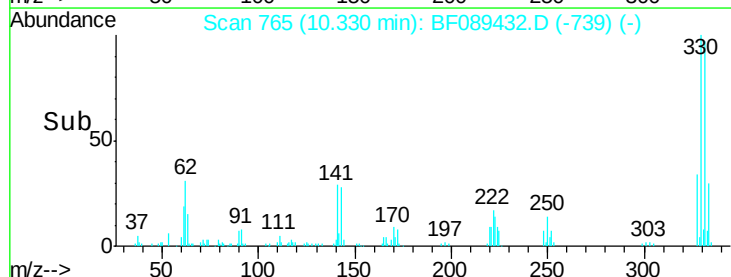
141 42.9 37.3 55.9

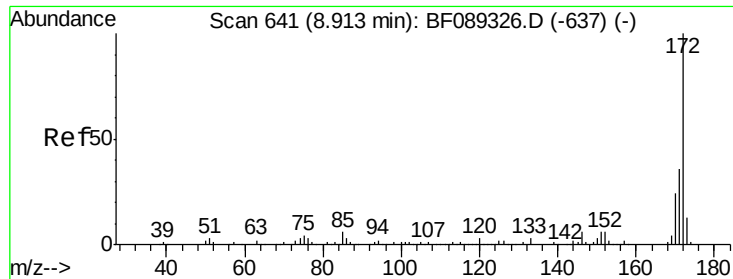


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

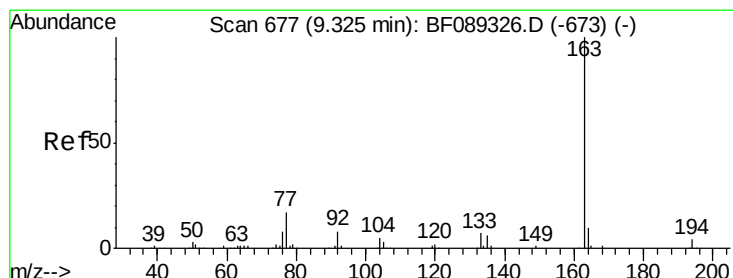
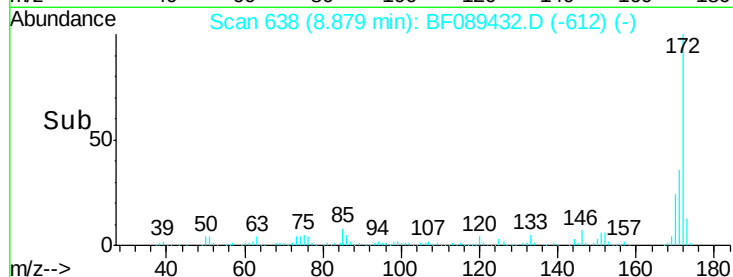
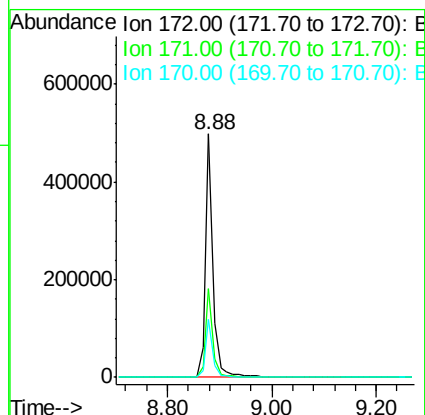
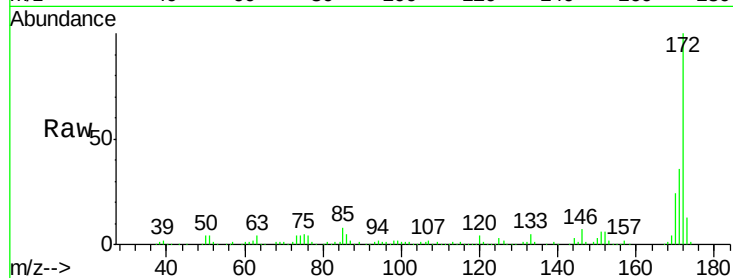




#44  
 2-Fluorobiphenyl  
 Concen: 91.73 ng  
 RT: 8.88 min Scan# 638  
 Delta R.T. -0.00 min  
 Lab File: BF089432.D  
 Acq: 30 Jul 2016 2:41

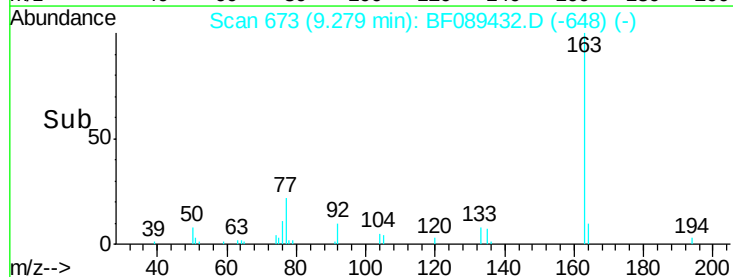
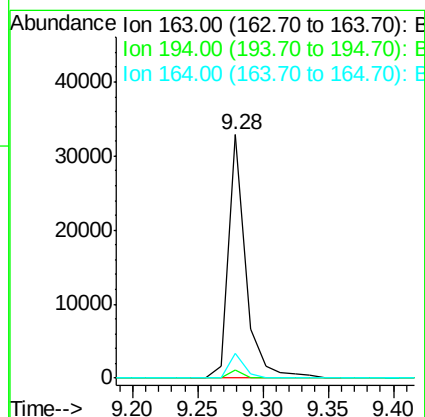
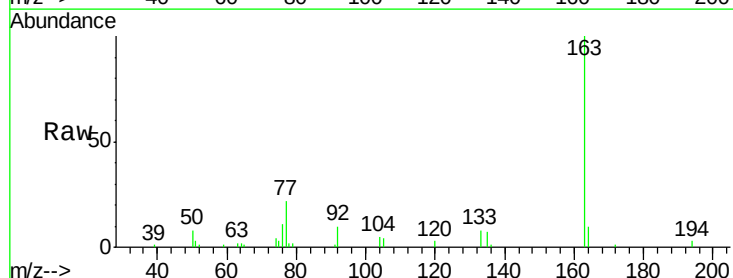
Instrument :  
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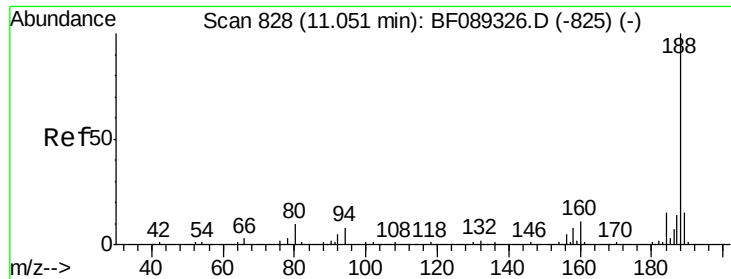
Tgt Ion:172 Resp: 505714  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.2 43.8  
 170 23.8 19.2 28.8



#49  
 Dimethylphthalate  
 Concen: 4.95 ng  
 RT: 9.28 min Scan# 673  
 Delta R.T. -0.01 min  
 Lab File: BF089432.D  
 Acq: 30 Jul 2016 2:41

Tgt Ion:163 Resp: 30476  
 Ion Ratio Lower Upper  
 163 100  
 194 3.3 2.8 4.2  
 164 10.3 7.8 11.8

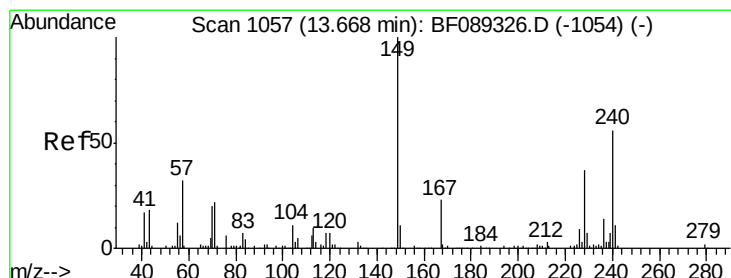
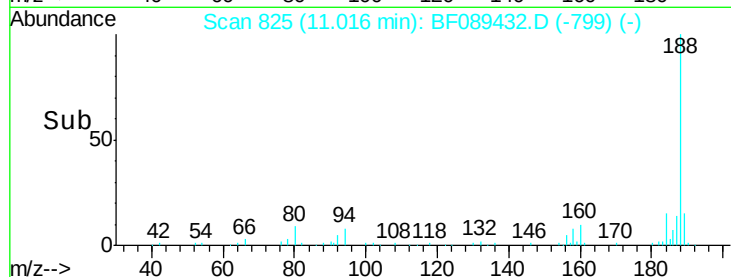
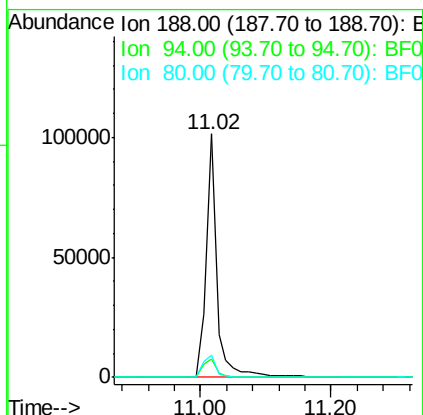
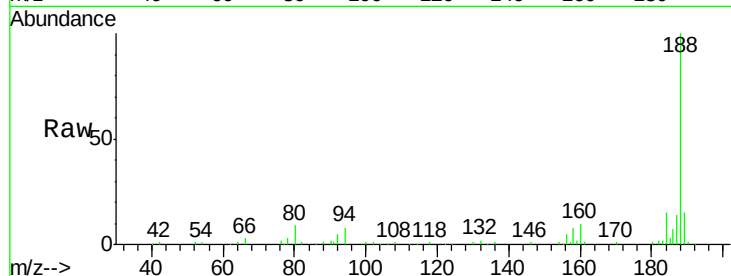




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.02 min Scan# 825  
Delta R.T. -0.00 min  
Lab File: BF089432.D  
Acq: 30 Jul 2016 2:41

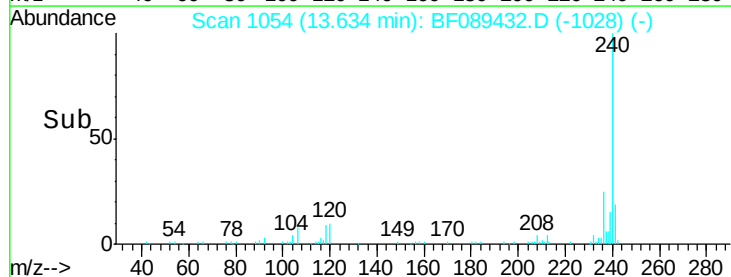
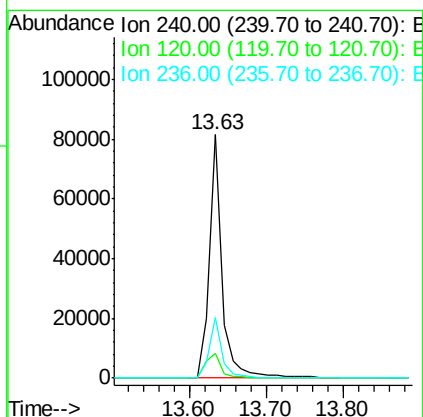
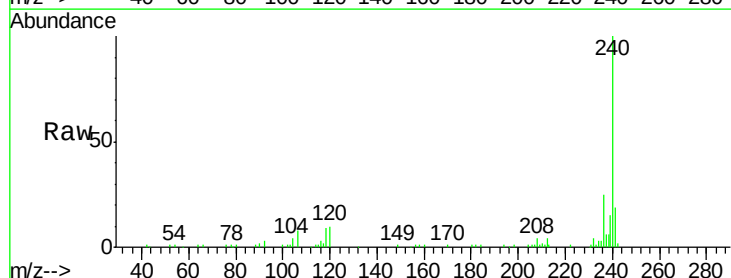
Instrument :  
BNA\_F  
ClientSampleId :  
GW-46-10.0-15.0

Tgt Ion:188 Resp: 115875  
Ion Ratio Lower Upper  
188 100  
94 7.7 6.5 9.7  
80 9.0 7.2 10.8

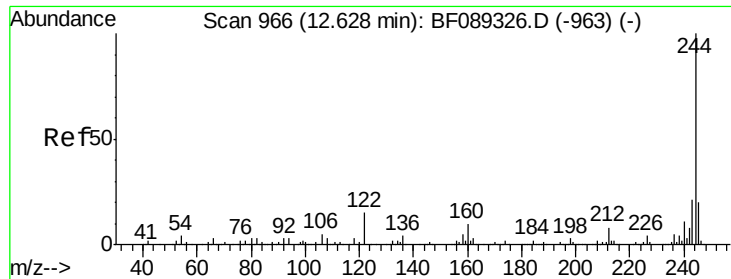


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.63 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: BF089432.D  
Acq: 30 Jul 2016 2:41

Tgt Ion:240 Resp: 92631  
Ion Ratio Lower Upper  
240 100  
120 10.1 9.1 13.7  
236 24.9 20.6 30.8



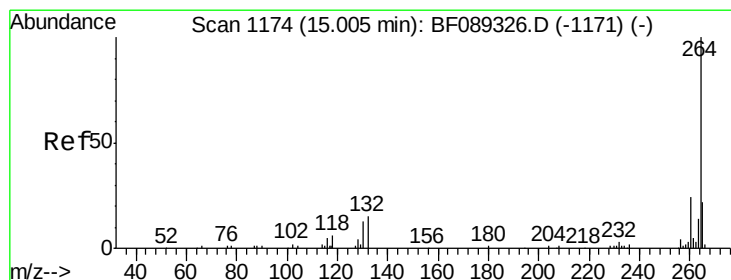
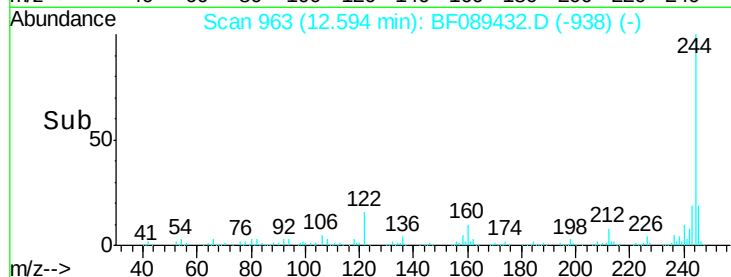
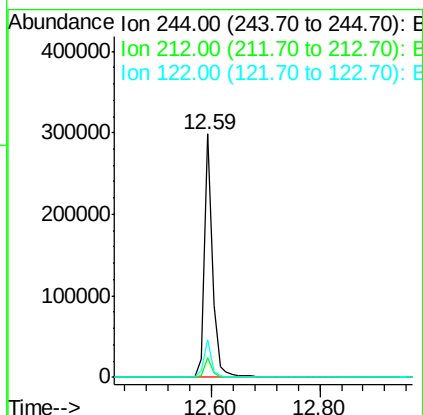
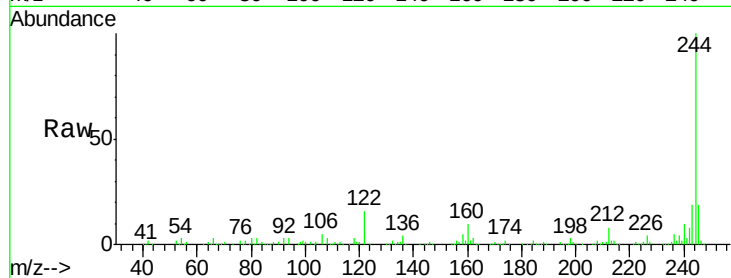




#78  
 Terphenyl-d14  
 Concen: 77.20 ng  
 RT: 12.59 min Scan# 963  
 Delta R.T. -0.01 min  
 Lab File: BF089432.D  
 Acq: 30 Jul 2016 2:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-46-10.0-15.0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.0   | 6.5   | 9.7   |
| 122     | 15.5  | 11.4  | 17.0  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.96 min Scan# 1170  
 Delta R.T. -0.01 min  
 Lab File: BF089432.D  
 Acq: 30 Jul 2016 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 19.0  | 28.4  |
| 265     | 21.7  | 17.5  | 26.3  |

