

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
 Data File : BG017012.D  
 Acq On : 10 May 2015 6:47  
 Operator : TP/IZ  
 Sample : G2139-01  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-A

Quant Time: May 19 07:32:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 05 16:13:58 2015  
 Response via : Initial Calibration

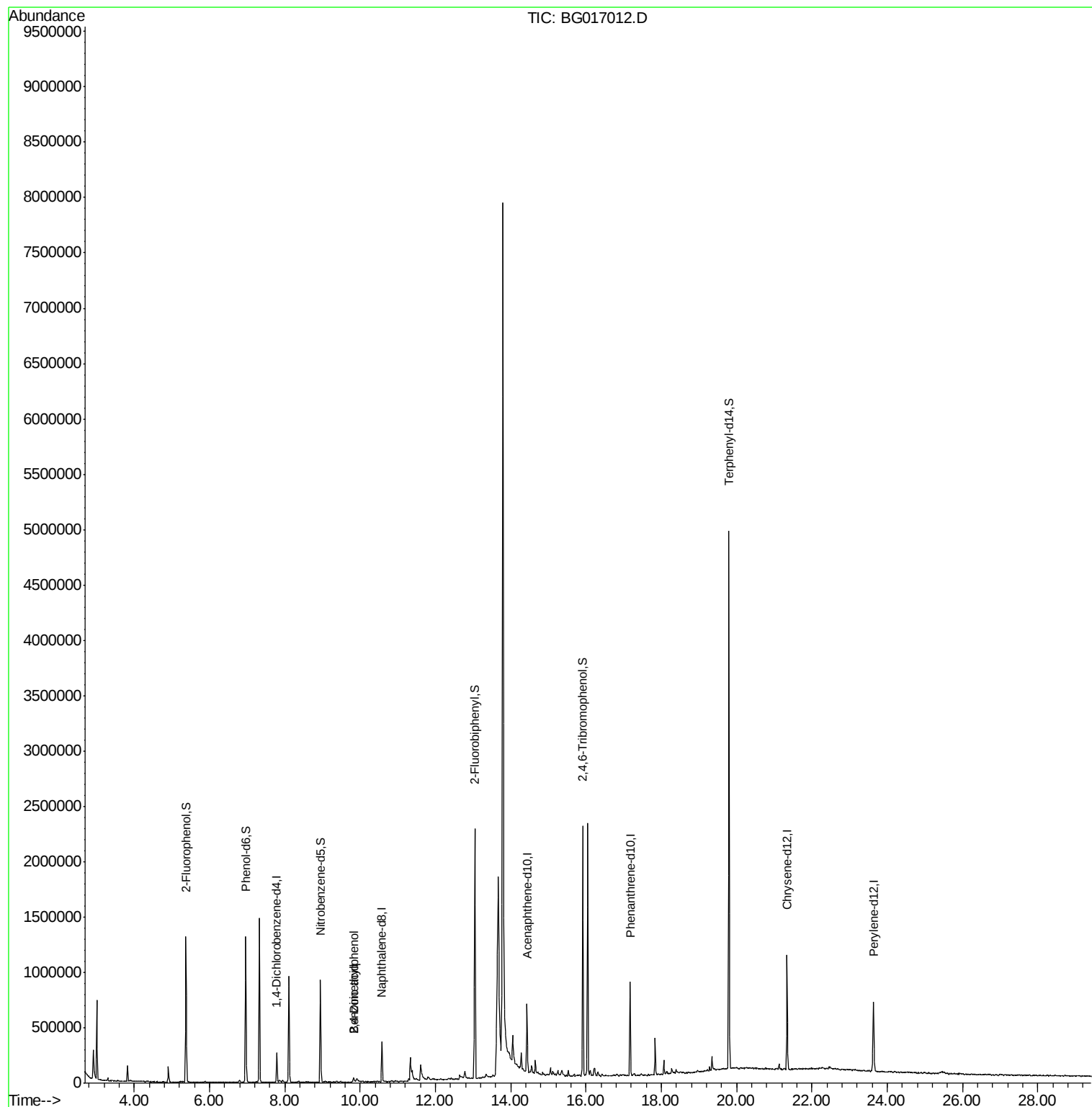
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.79  | 152  | 59356    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.58 | 136  | 275365   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.43 | 164  | 187064   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.17 | 188  | 442661   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.34 | 240  | 441990   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 23.64 | 264  | 438171   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 470571   | 138.04 | ng    | -0.01    |
| 7) Phenol-d6                | 6.96  | 99   | 617481   | 126.79 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.94  | 82   | 484723   | 85.99  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 15.92 | 330  | 316013   | 168.28 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.05 | 172  | 1009864  | 81.46  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.80 | 244  | 1705577  | 90.46  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 27) 2,4-Dimethylphenol      | 9.83  | 122  | 14703    | 3.51   | ng    | # 2      |
| 32) Benzoic acid            | 9.83  | 122  | 14703    | 7.93   | ng    | # 78     |

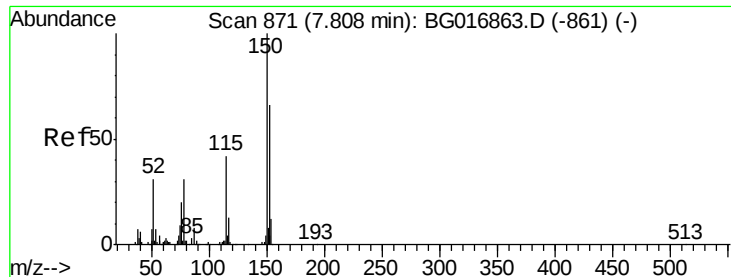
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
Data File : BG017012.D  
Acq On : 10 May 2015 6:47  
Operator : TP/IZ  
Sample : G2139-01  
Misc :  
ALS Vial : 54 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
LAR9794-A

Quant Time: May 19 07:32:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 05 16:13:58 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 868

Delta R.T. -0.02 min

Lab File: BG017012.D

Acq: 10 May 2015 6:47

Instrument :

BNA\_G

ClientSampleId :

LAR9794-A

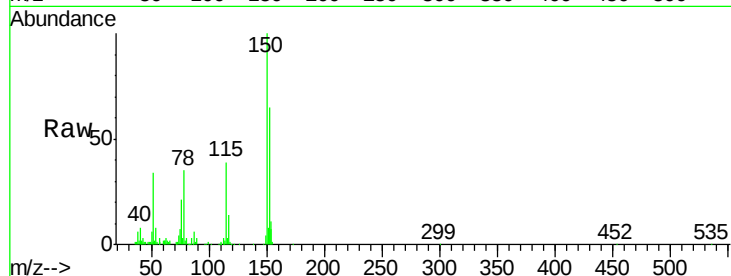
Tgt Ion:152 Resp: 59356

Ion Ratio Lower Upper

152 100

150 153.2 121.0 181.4

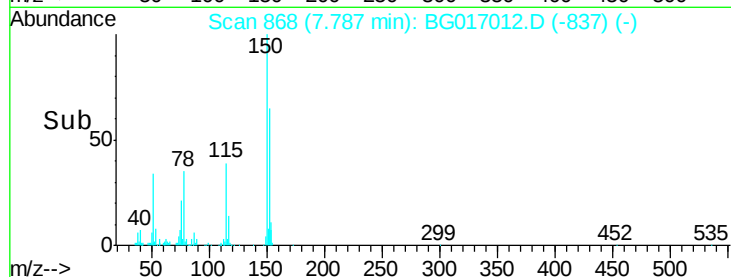
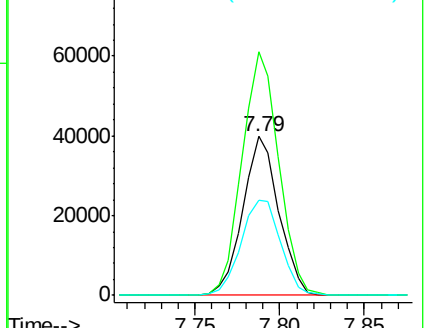
115 59.5 50.5 75.7



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: 138.04 ng

RT: 5.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: BG017012.D

Acq: 10 May 2015 6:47

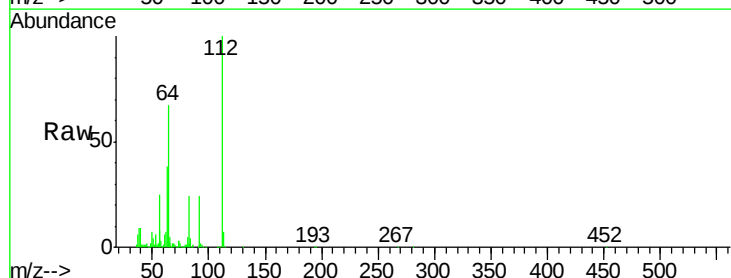
Tgt Ion:112 Resp: 470571

Ion Ratio Lower Upper

112 100

64 66.6 51.4 77.2

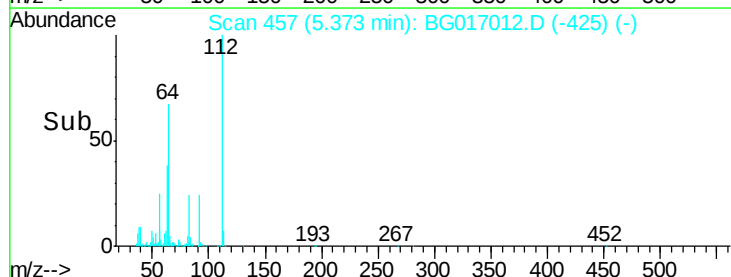
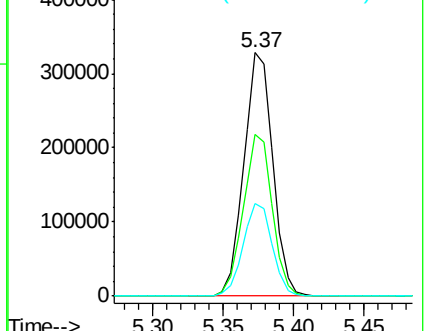
63 38.1 28.1 42.1

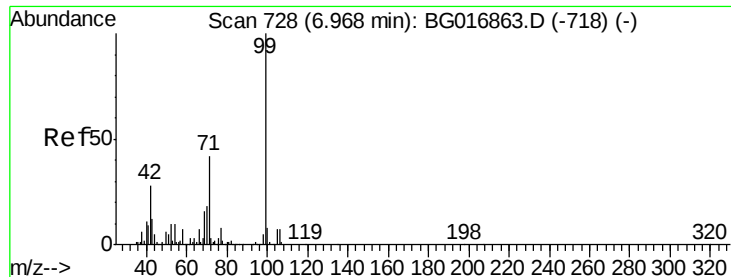


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 126.79 ng

RT: 6.96 min Scan# 728

Delta R.T. -0.00 min

Lab File: BG017012.D

Acq: 10 May 2015 6:47

Instrument :

BNA\_G

ClientSampleId :

LAR9794-A

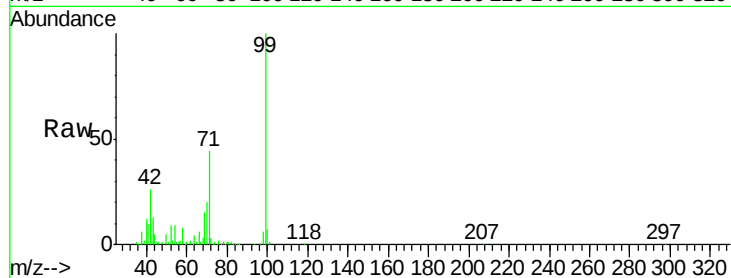
Tgt Ion: 99 Resp: 617481

Ion Ratio Lower Upper

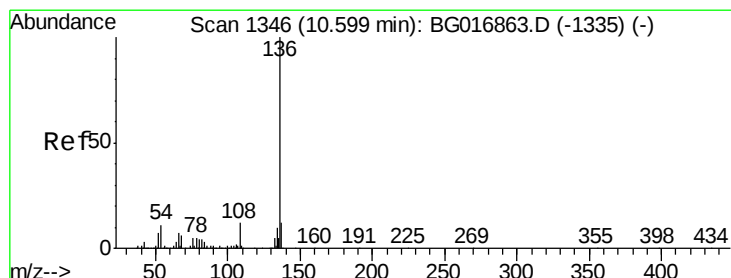
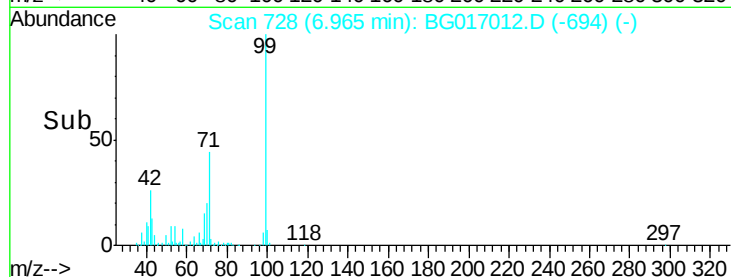
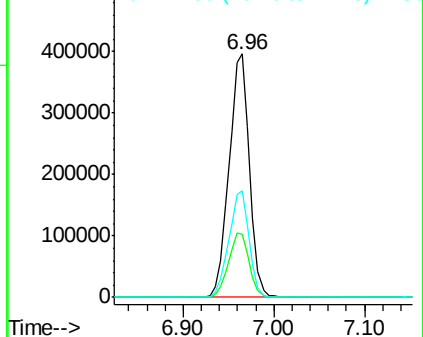
99 100

42 26.2 22.1 33.1

71 43.9 33.4 50.0



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.58 min Scan# 1343

Delta R.T. -0.02 min

Lab File: BG017012.D

Acq: 10 May 2015 6:47

Tgt Ion: 136 Resp: 275365

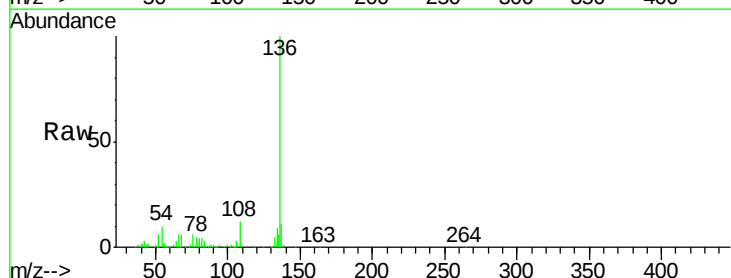
Ion Ratio Lower Upper

136 100

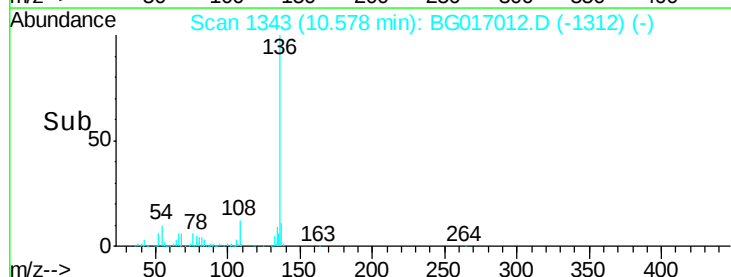
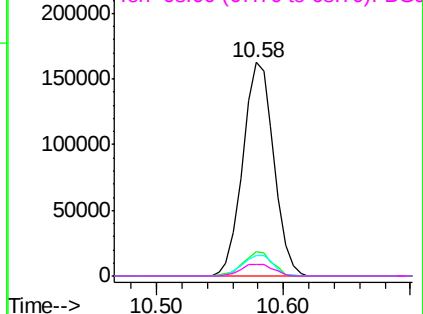
137 11.1 9.8 14.8

54 9.8 8.7 13.1

68 5.7 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

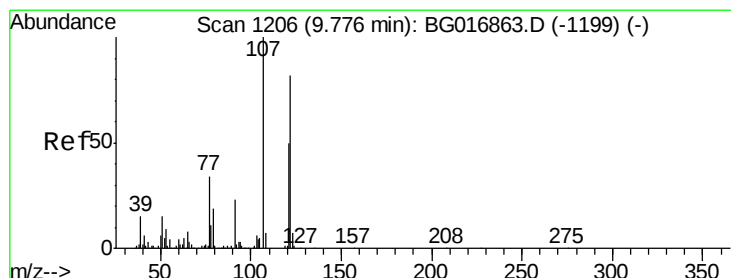
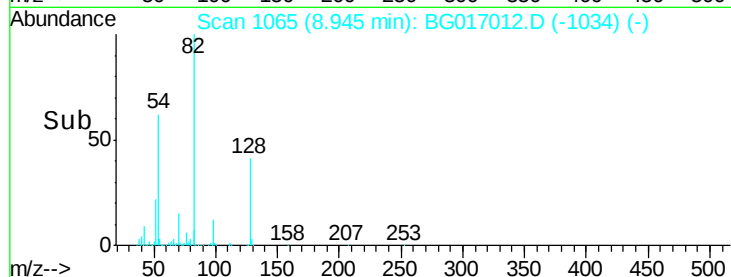
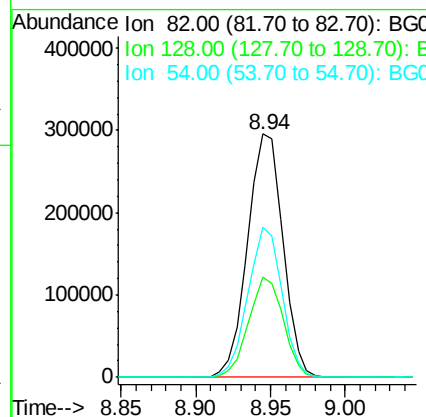
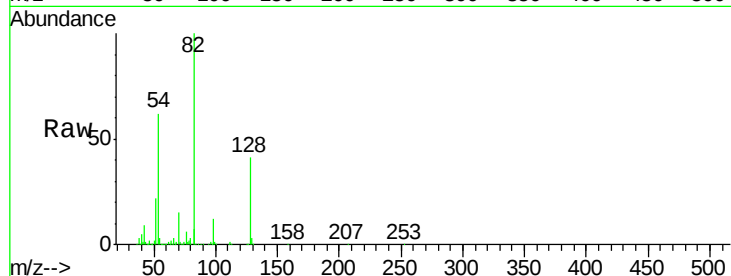




#23  
 Nitrobenzene-d5  
 Concen: 85.99 ng  
 RT: 8.94 min Scan# 1065  
 Delta R.T. -0.02 min  
 Lab File: BG017012.D  
 Acq: 10 May 2015 6:47

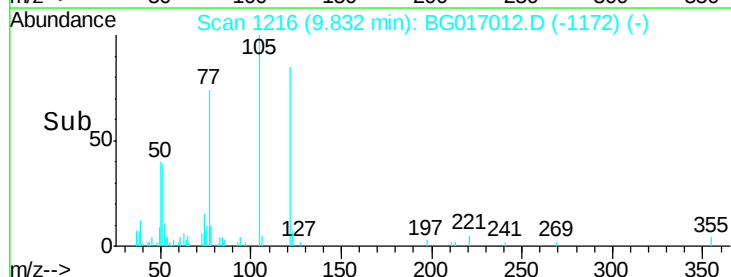
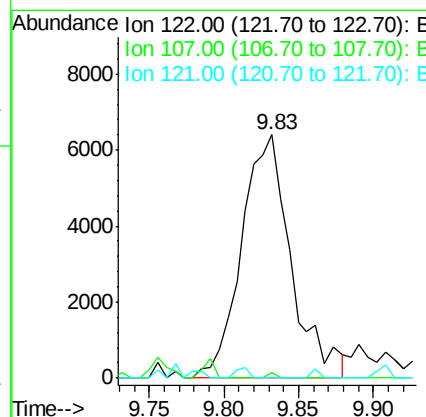
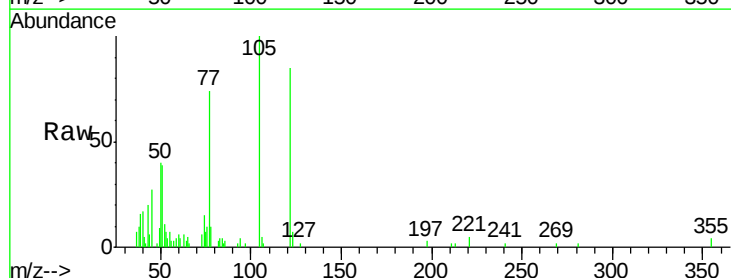
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-A

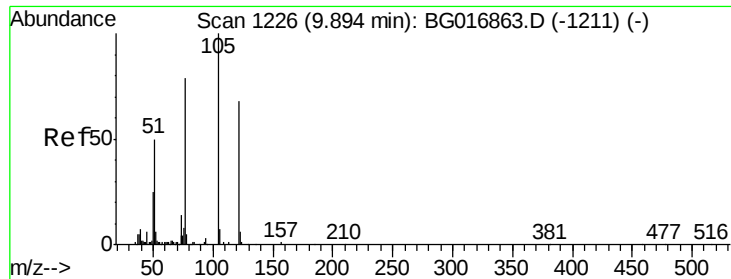
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.4  | 33.2  | 49.8  |
| 54      | 61.8  | 48.6  | 72.8  |



#27  
 2,4-Dimethylphenol  
 Concen: 3.51 ng  
 RT: 9.83 min Scan# 1216  
 Delta R.T. 0.06 min  
 Lab File: BG017012.D  
 Acq: 10 May 2015 6:47

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 107     | 2.4   | 97.6  | 146.4# |
| 121     | 0.0   | 48.4  | 72.6#  |





#32

Benzoic acid

Concen: 7.93 ng

RT: 9.83 min Scan# 1216

Delta R.T. -0.06 min

Lab File: BG017012.D

Acq: 10 May 2015 6:47

Instrument :

BNA\_G

ClientSampleId :

LAR9794-A

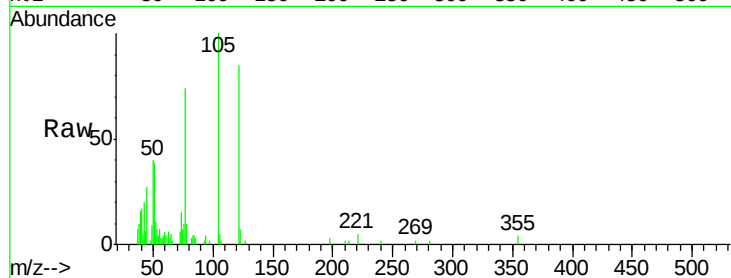
Tgt Ion:122 Resp: 14703

Ion Ratio Lower Upper

122 100

105 117.9 123.2 163.2#

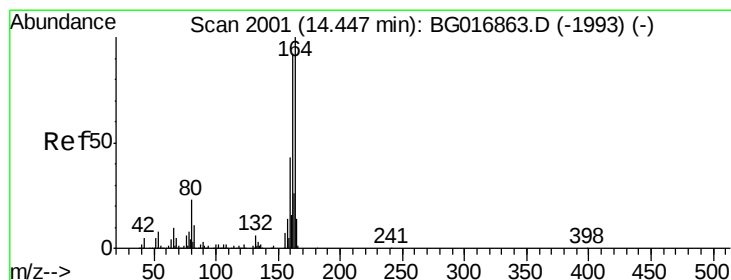
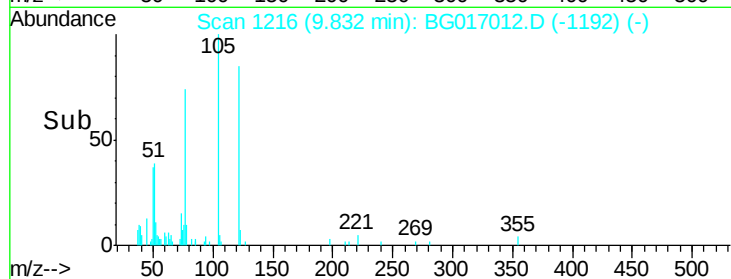
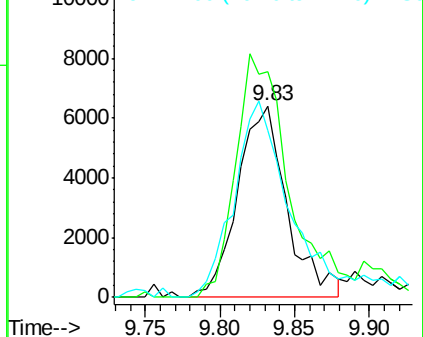
77 87.4 93.0 133.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.43 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BG017012.D

Acq: 10 May 2015 6:47

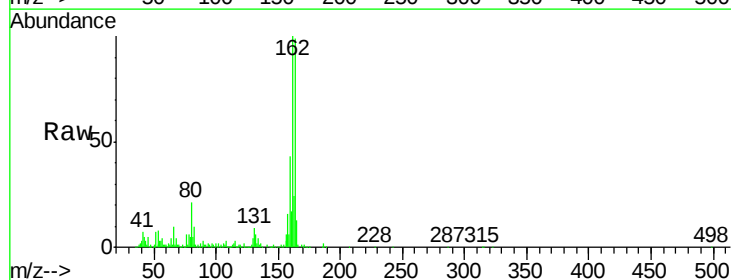
Tgt Ion:164 Resp: 187064

Ion Ratio Lower Upper

164 100

162 100.7 74.0 111.0

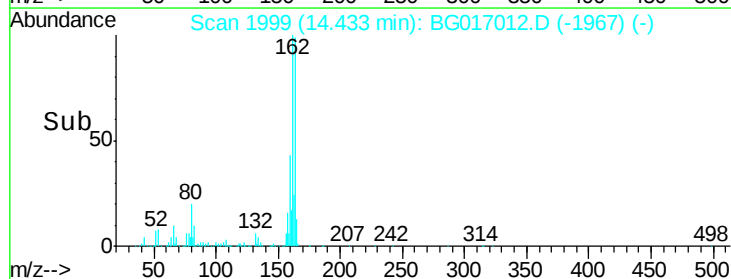
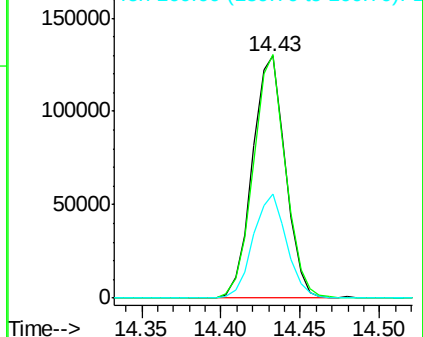
160 43.3 34.7 52.1

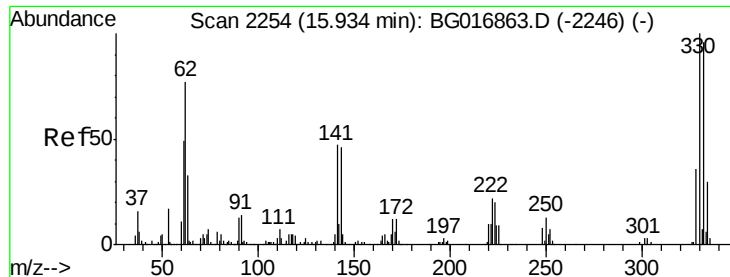


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

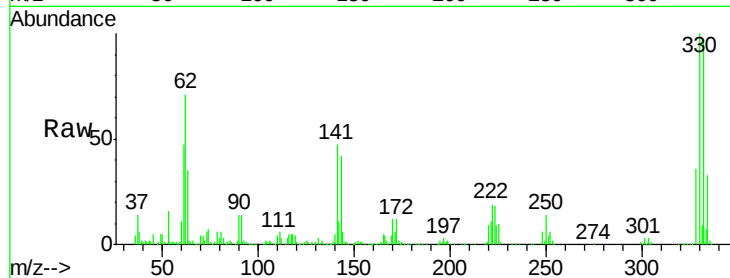




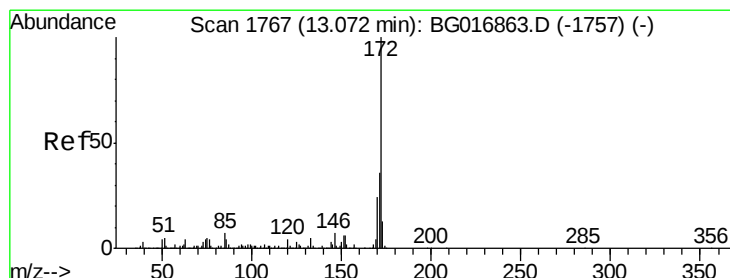
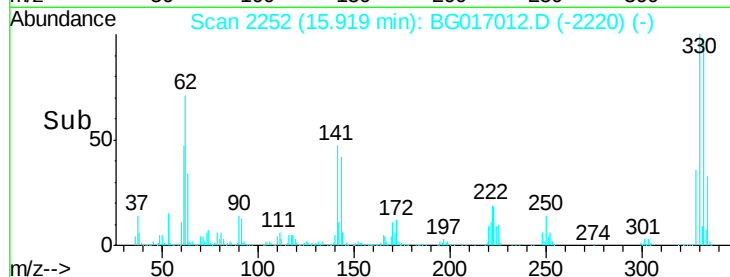
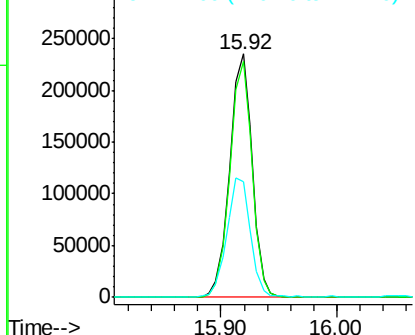
#41  
 2,4,6-Tribromophenol  
 Concen: 168.28 ng  
 RT: 15.92 min Scan# 2252  
 Delta R.T. -0.01 min  
 Lab File: BG017012.D  
 Acq: 10 May 2015 6:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-A

Tgt Ion:330 Resp: 316013  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 0.0 0.0#  
 141 50.9 0.0 0.0#

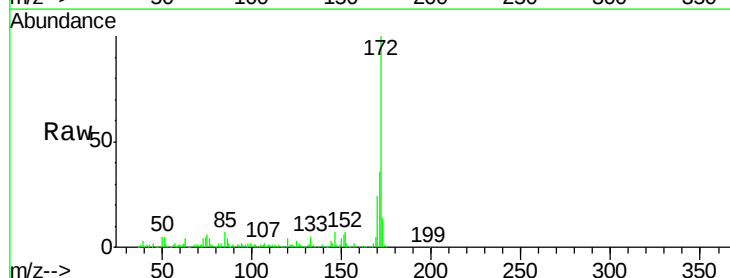


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

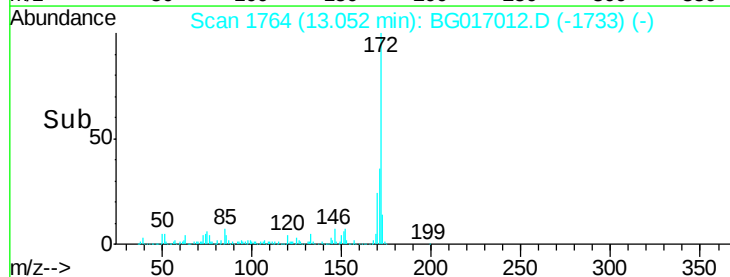
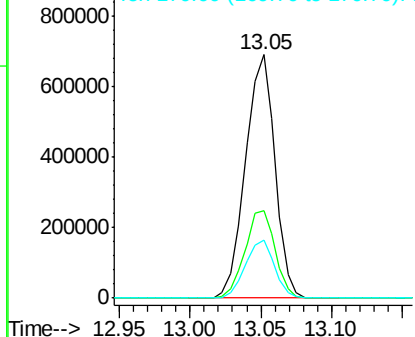


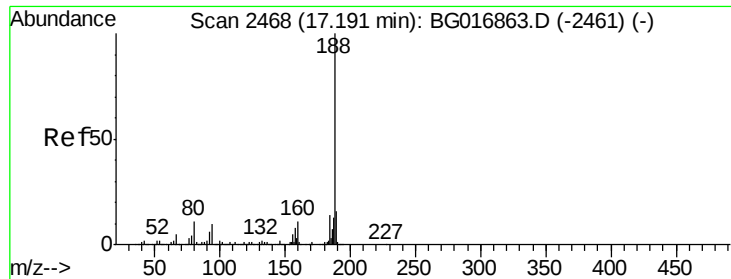
#44  
 2-Fluorobiphenyl  
 Concen: 81.46 ng  
 RT: 13.05 min Scan# 1764  
 Delta R.T. -0.02 min  
 Lab File: BG017012.D  
 Acq: 10 May 2015 6:47

Tgt Ion:172 Resp: 1009864  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.0 43.4  
 170 23.7 19.0 28.4



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

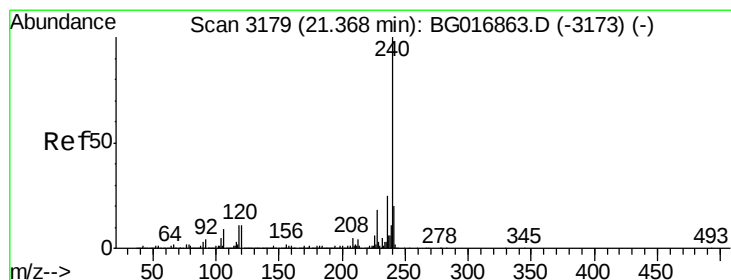
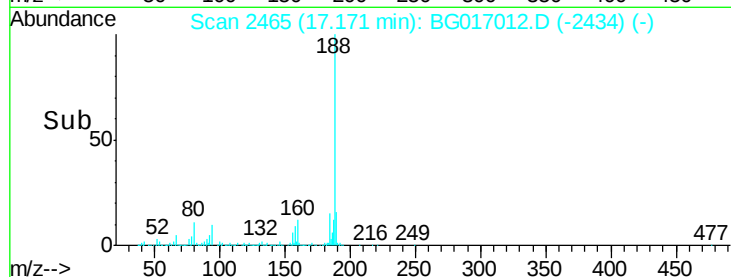
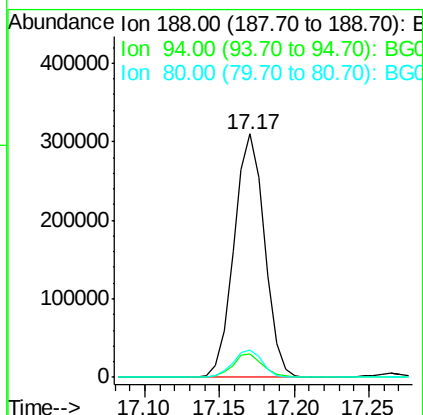
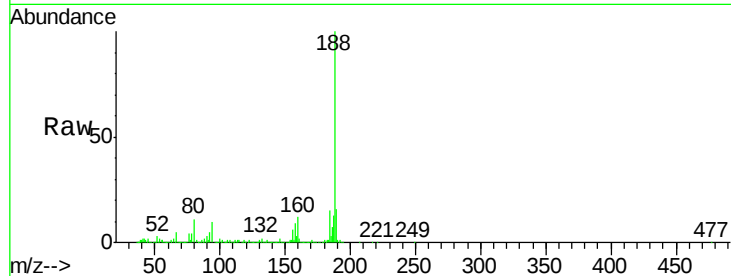




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.17 min Scan# 2465  
Delta R.T. -0.02 min  
Lab File: BG017012.D  
Acq: 10 May 2015 6:47

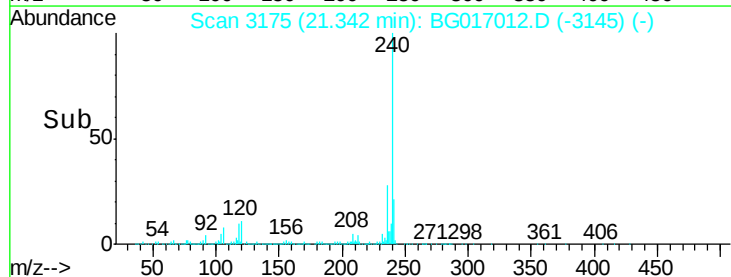
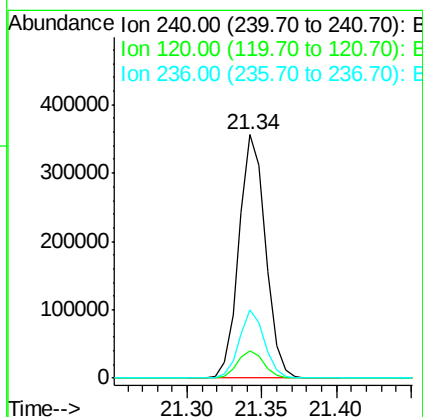
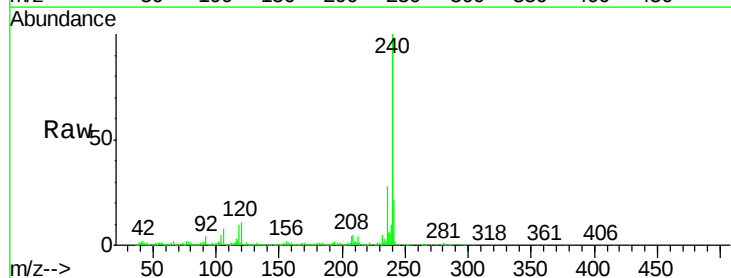
Instrument :  
BNA\_G  
ClientSampleId :  
LAR9794-A

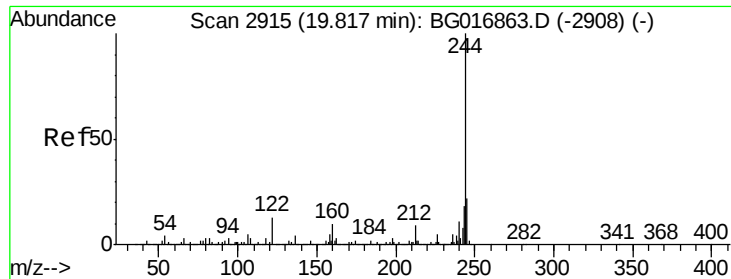
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.6   | 8.2   | 12.4  |
| 80      | 11.1  | 8.8   | 13.2  |



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.34 min Scan# 3175  
Delta R.T. -0.03 min  
Lab File: BG017012.D  
Acq: 10 May 2015 6:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.2  | 9.1   | 13.7  |
| 236     | 27.9  | 20.2  | 30.4  |

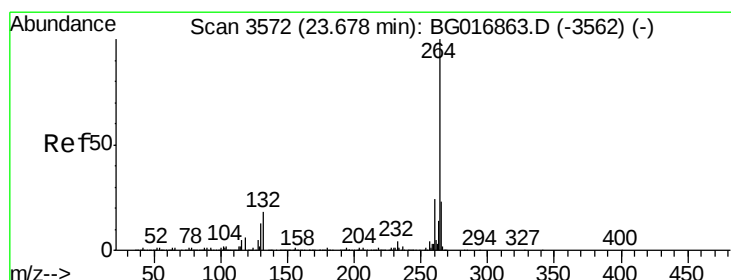
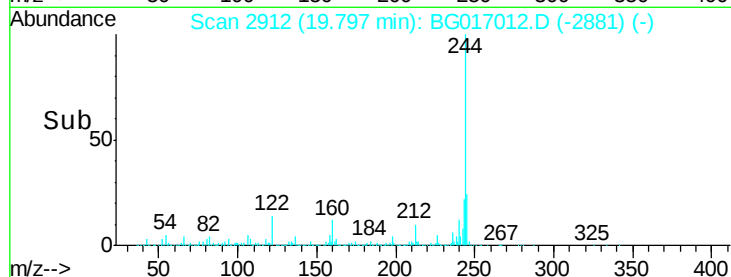
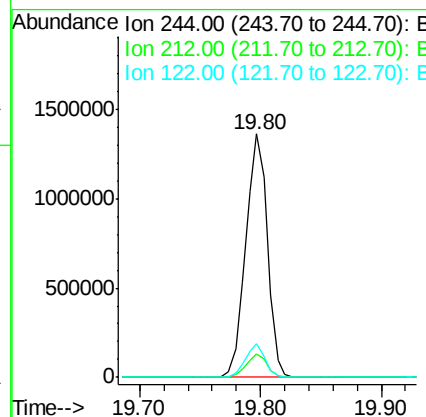
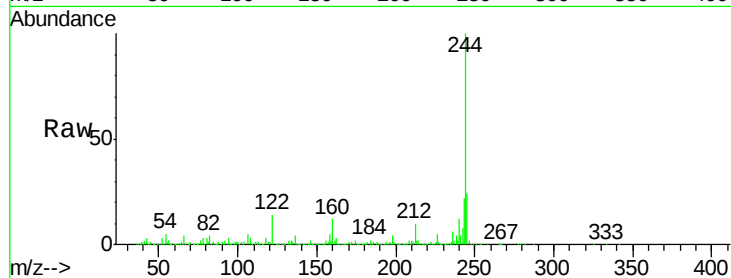




#78  
 Terphenyl-d14  
 Concen: 90.46 ng  
 RT: 19.80 min Scan# 2912  
 Delta R.T. -0.02 min  
 Lab File: BG017012.D  
 Acq: 10 May 2015 6:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LAR9794-A

Tgt Ion:244 Resp: 1705577  
 Ion Ratio Lower Upper  
 244 100  
 212 9.9 7.0 10.6  
 122 13.7 10.4 15.6



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.64 min Scan# 3566  
 Delta R.T. -0.04 min  
 Lab File: BG017012.D  
 Acq: 10 May 2015 6:47

Tgt Ion:264 Resp: 438171  
 Ion Ratio Lower Upper  
 264 100  
 260 25.1 19.5 29.3  
 265 22.5 18.5 27.7

