

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060415\  
 Data File : BG017450.D  
 Acq On : 4 Jun 2015 20:08  
 Operator : TP/IZ  
 Sample : G2491-13  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SS043MW100-150602

Quant Time: Jun 05 03:59:47 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 03:51:43 2015  
 Response via : Initial Calibration

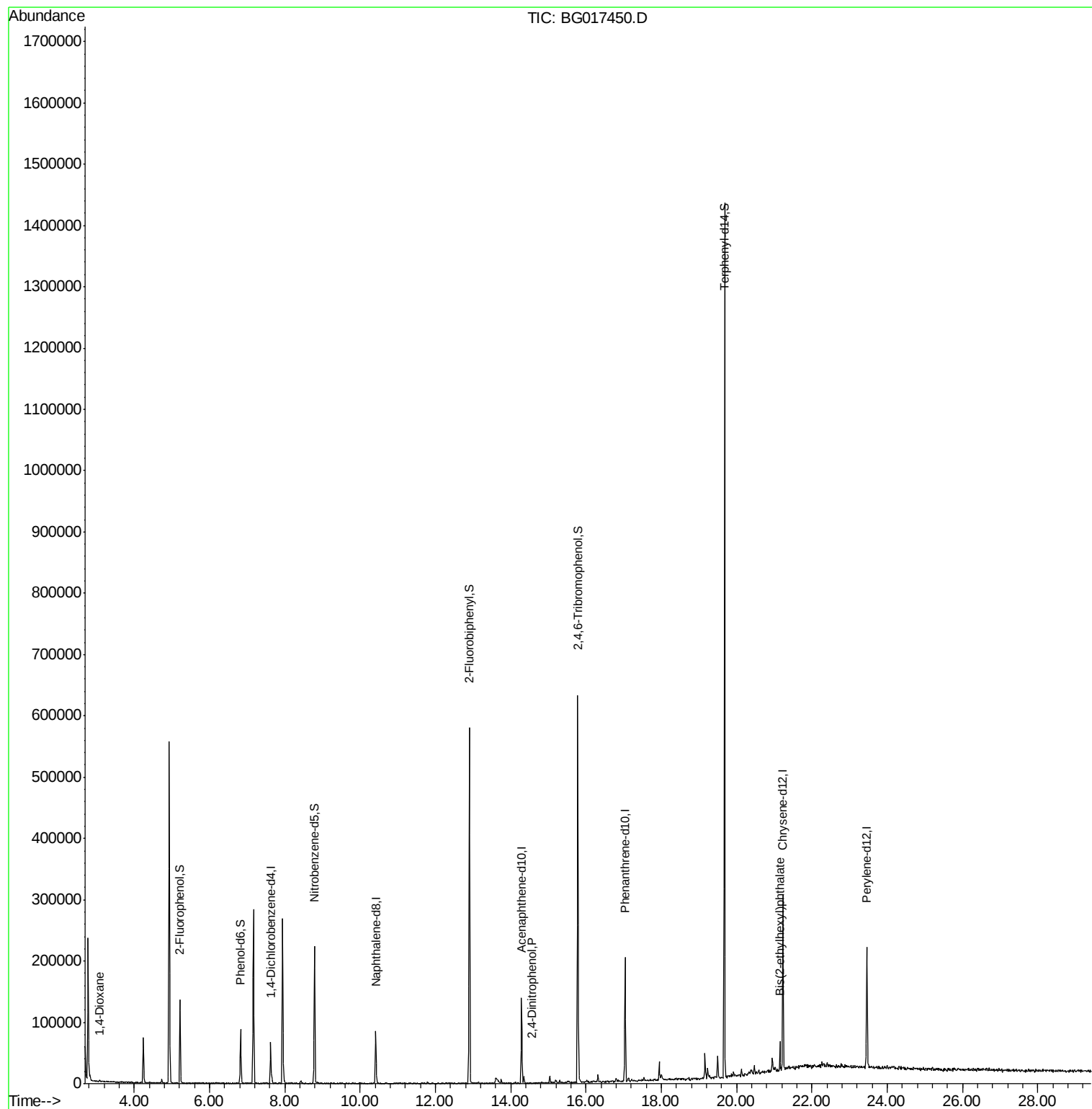
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.62  | 152  | 15356    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.42 | 136  | 61679    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.29 | 164  | 42168    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.04 | 188  | 104176   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.23 | 240  | 125920   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 23.47 | 264  | 128456   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.22  | 112  | 45639    | 52.36  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.83  | 99   | 37456    | 31.54  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.79  | 82   | 113699   | 92.02  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 15.79 | 330  | 84658    | 144.54 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 12.91 | 172  | 254213   | 90.94  | ng    | 0.00     |
| 78) Terphenyl-d14              | 19.68 | 244  | 557433   | 91.50  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 3.08  | 88   | 800      | 2.04   | ng    | # 31     |
| 53) 2,4-Dinitrophenol          | 14.57 | 184  | 57       | 7.12   | ng    | # 13     |
| 83) Bis(2-ethylhexyl)phthalate | 21.15 | 149  | 14125    | 2.92   | ng    | 97       |

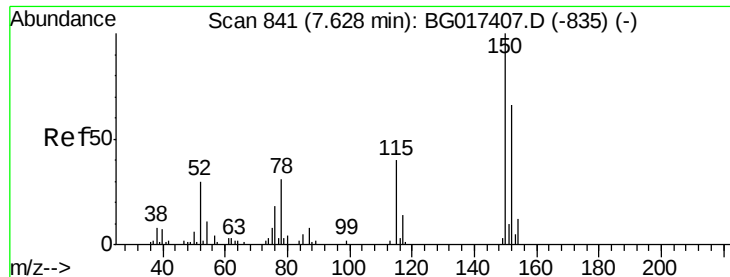
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
ClientSampleId :  
SS043MW100-150602

Quant Time: Jun 05 03:59:47 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 05 03:51:43 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.62 min Scan# 840

Delta R.T. 0.00 min

Lab File: BG017450.D

Acq: 4 Jun 2015 20:08

Instrument :

BNA\_G

ClientSampleId :

SS043MW100-150602

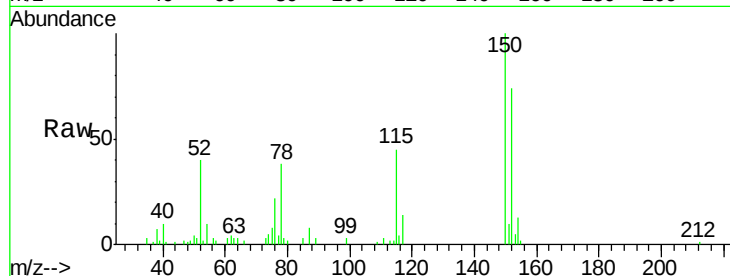
Tgt Ion:152 Resp: 15356

Ion Ratio Lower Upper

152 100

150 134.5 121.7 182.5

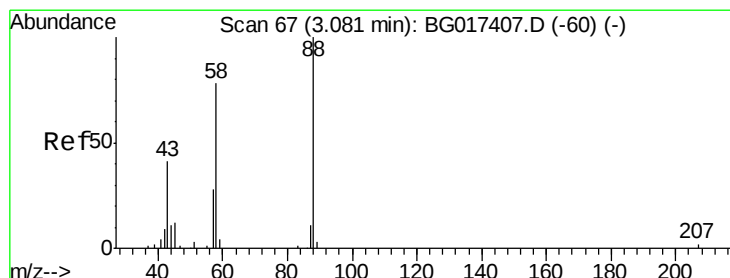
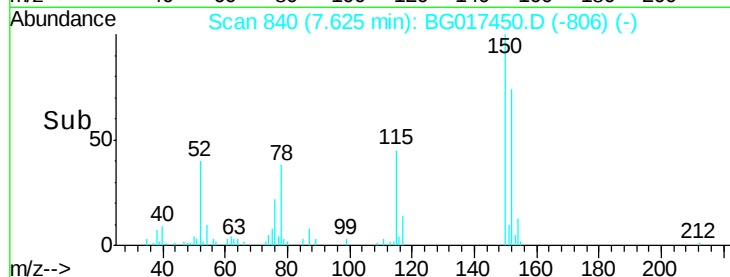
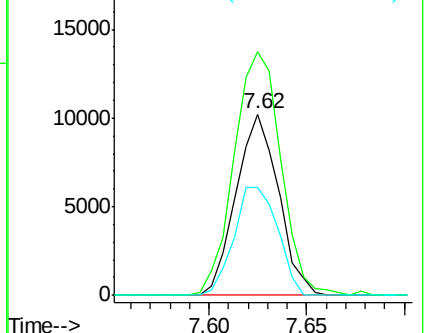
115 59.9 48.6 73.0



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



#2

1,4-Dioxane

Concen: 2.04 ng

RT: 3.08 min Scan# 67

Delta R.T. 0.01 min

Lab File: BG017450.D

Acq: 4 Jun 2015 20:08

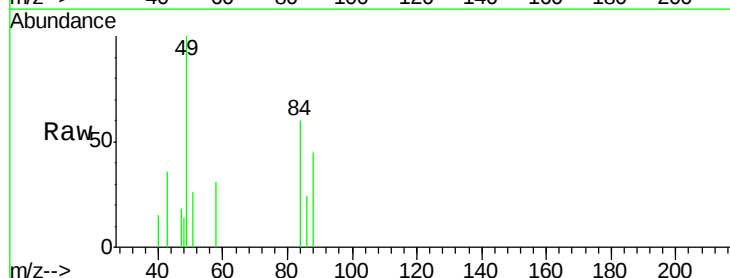
Tgt Ion: 88 Resp: 800

Ion Ratio Lower Upper

88 100

58 102.3 59.0 88.6#

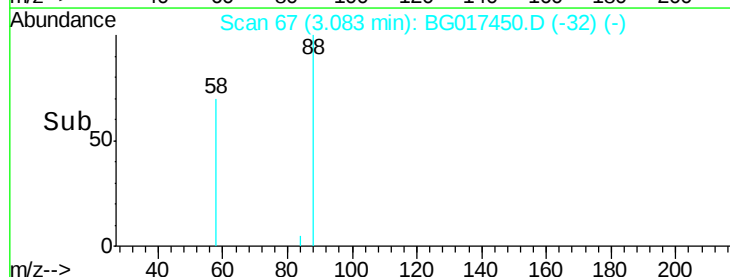
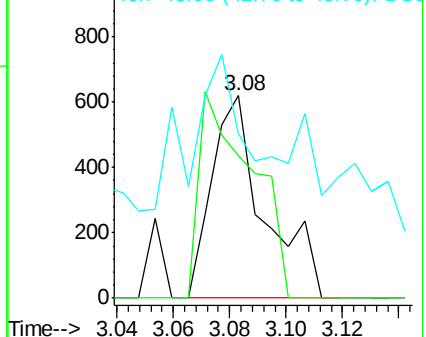
43 125.1 34.5 51.7#

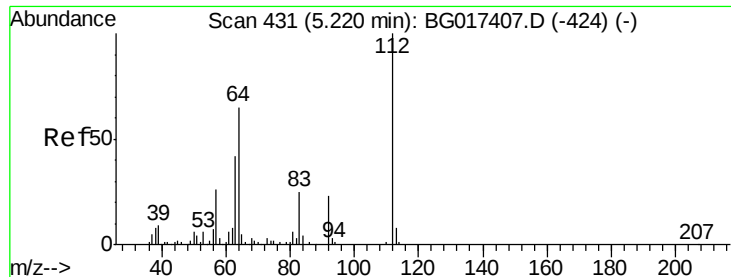


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 52.36 ng

RT: 5.22 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG017450.D

Acq: 4 Jun 2015 20:08

Instrument :

BNA\_G

ClientSampleId :

SS043MW100-150602

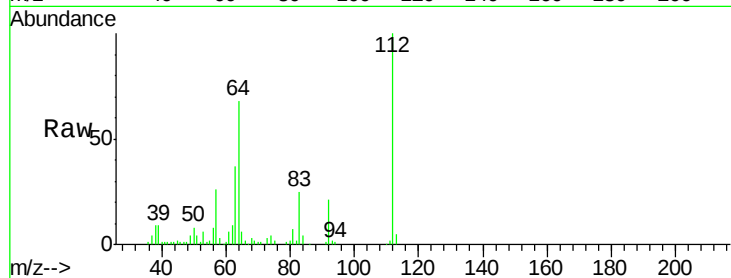
Tgt Ion: 112 Resp: 45639

Ion Ratio Lower Upper

112 100

64 67.6 51.6 77.4

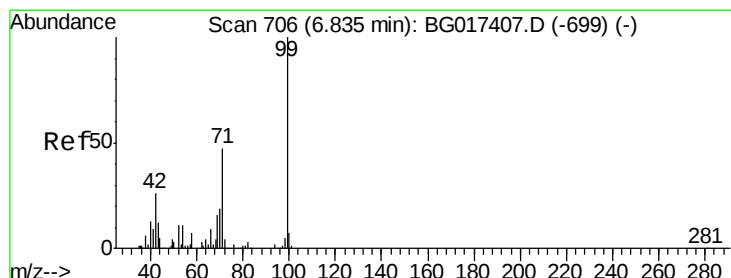
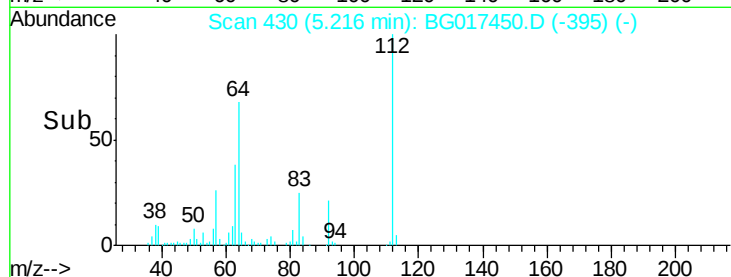
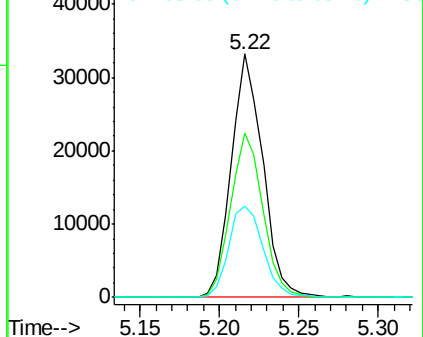
63 37.5 33.3 49.9



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 31.54 ng

RT: 6.83 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG017450.D

Acq: 4 Jun 2015 20:08

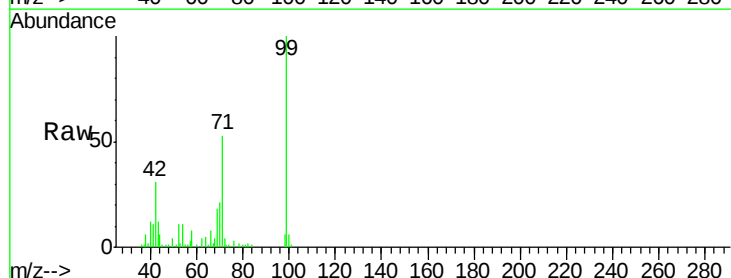
Tgt Ion: 99 Resp: 37456

Ion Ratio Lower Upper

99 100

42 31.3 21.0 31.6

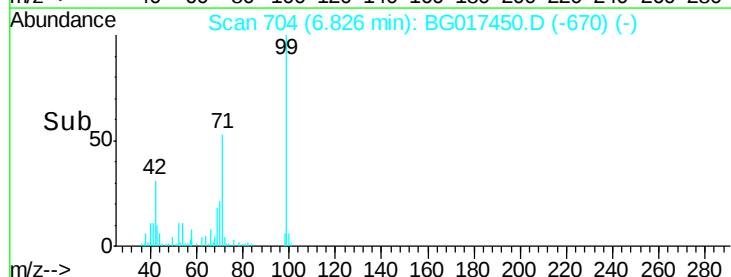
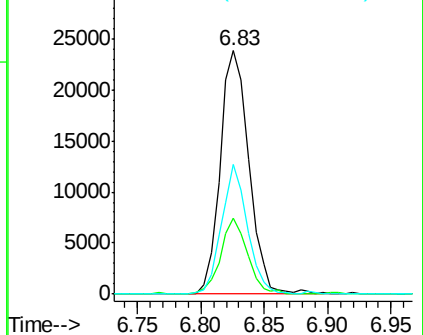
71 53.2 37.2 55.8

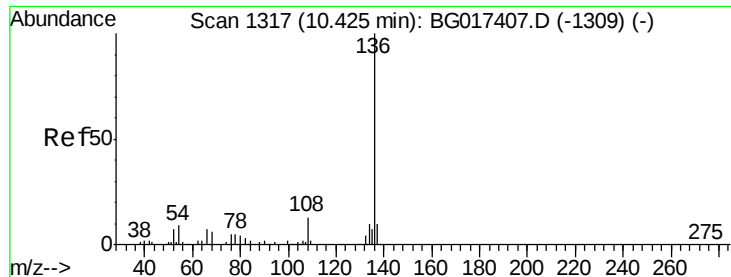


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

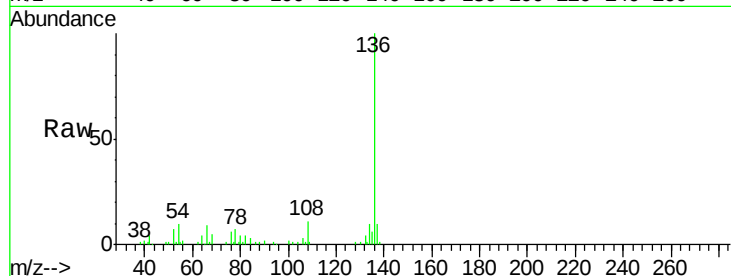




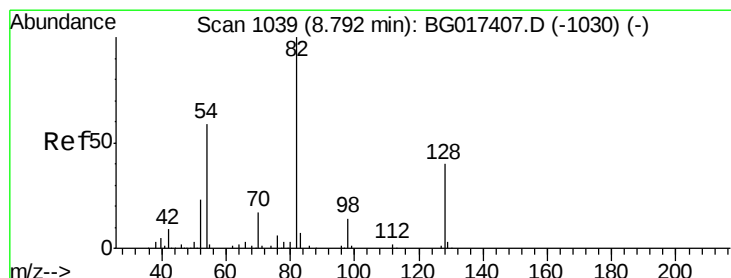
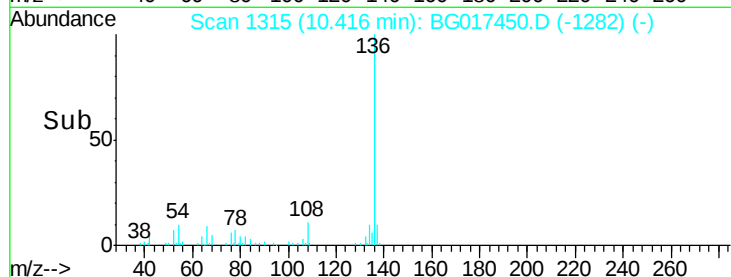
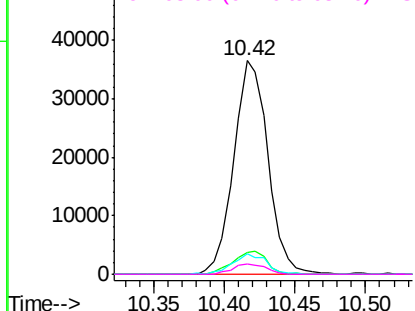
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.42 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: BG017450.D  
Acq: 4 Jun 2015 20:08

Instrument :  
BNA\_G  
ClientSampleId :  
SS043MW100-150602

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 61679 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 10.1  | 7.9   | 11.9  |
| 54       | 9.6   | 7.2   | 10.8  |
| 68       | 5.1   | 4.5   | 6.7   |

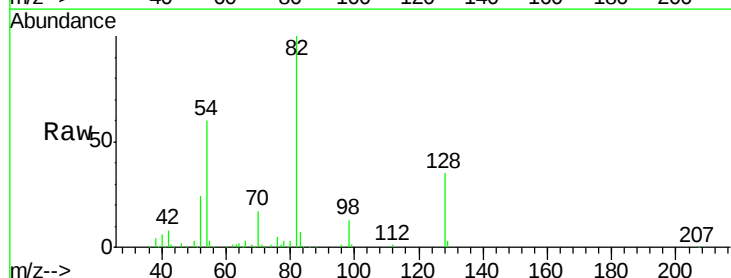


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

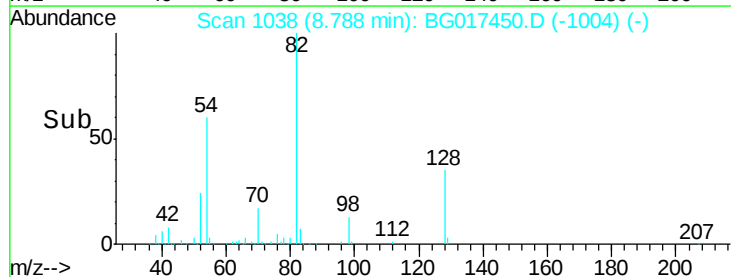
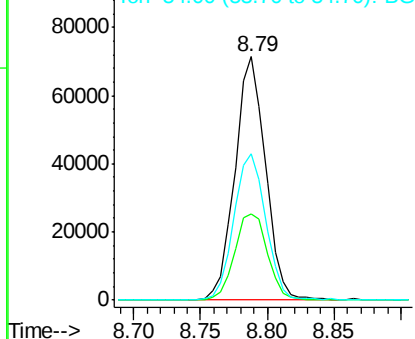


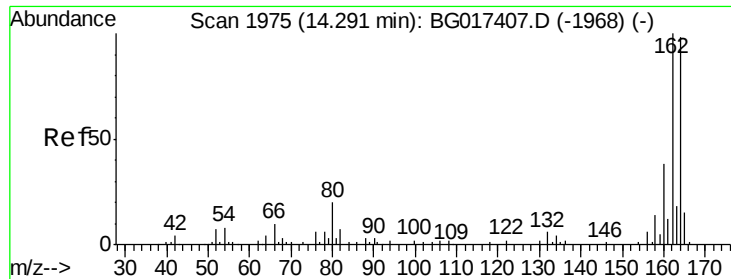
#23  
Nitrobenzene-d5  
Concen: 92.02 ng  
RT: 8.79 min Scan# 1038  
Delta R.T. 0.00 min  
Lab File: BG017450.D  
Acq: 4 Jun 2015 20:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 113699 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 35.2  | 32.2  | 48.4   |
| 54       | 60.2  | 47.4  | 71.2   |



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.29 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG017450.D

Acq: 4 Jun 2015 20:08

Instrument :

BNA\_G

ClientSampleId :

SS043MW100-150602

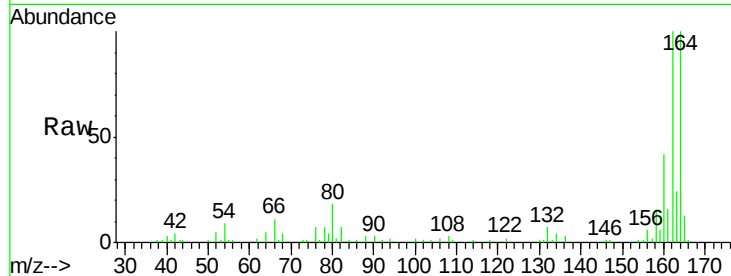
Tgt Ion:164 Resp: 42168

Ion Ratio Lower Upper

164 100

162 99.9 81.8 122.6

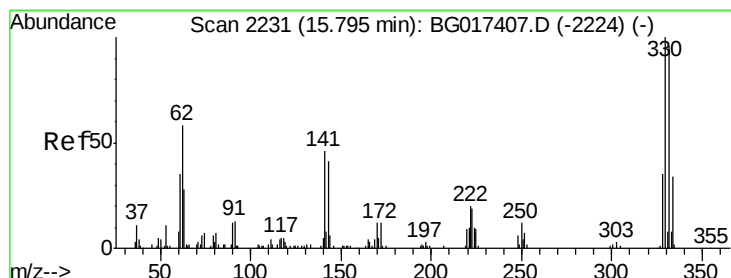
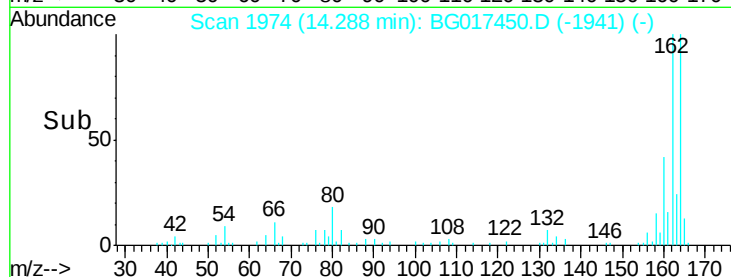
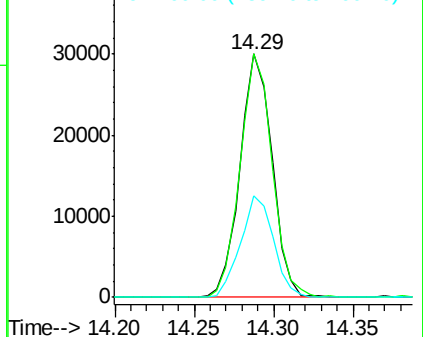
160 42.0 31.0 46.4



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: 144.54 ng

RT: 15.79 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG017450.D

Acq: 4 Jun 2015 20:08

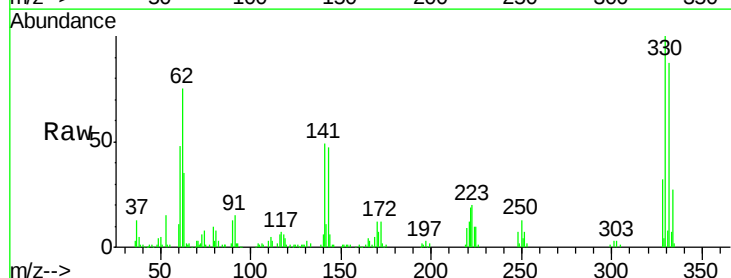
Tgt Ion:330 Resp: 84658

Ion Ratio Lower Upper

330 100

332 93.6 75.9 113.9

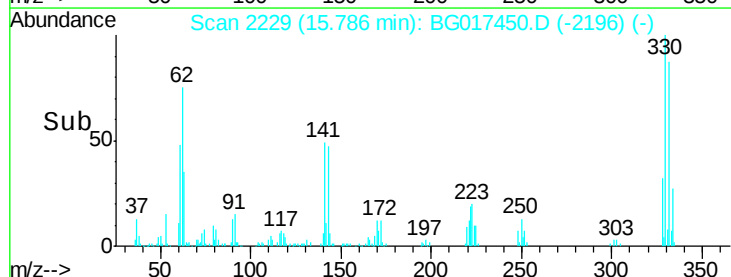
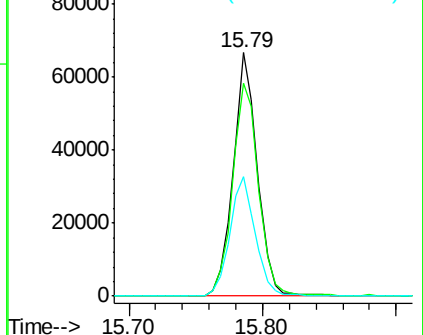
141 51.4 40.2 60.4

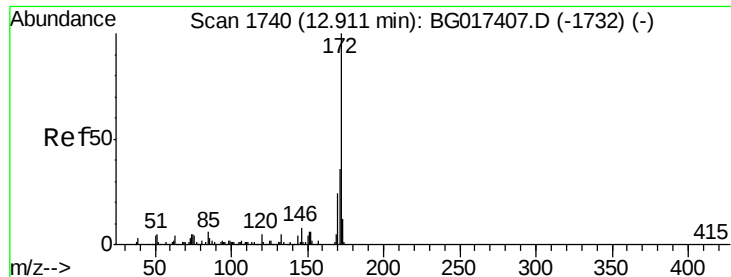


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

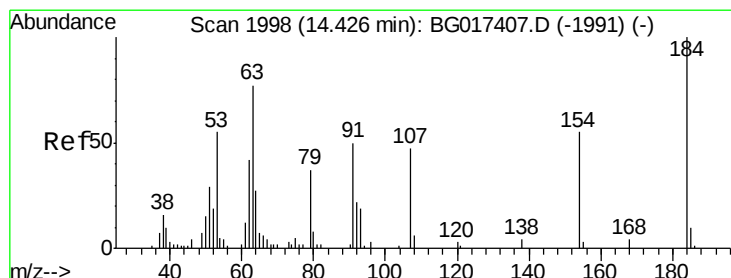
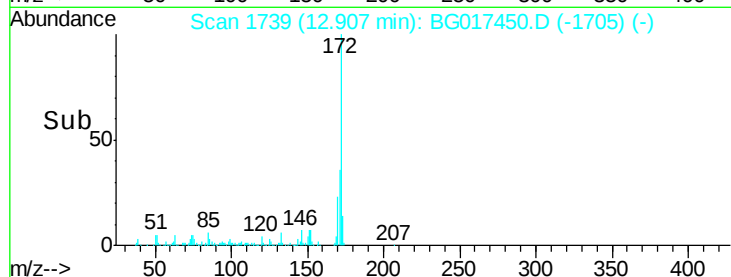
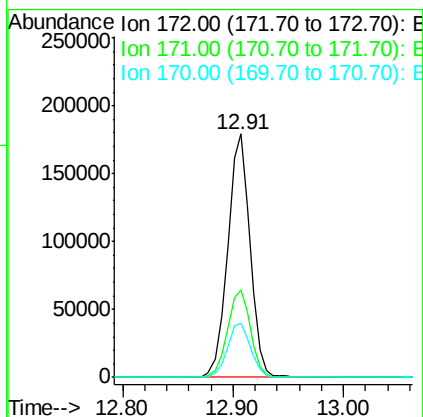
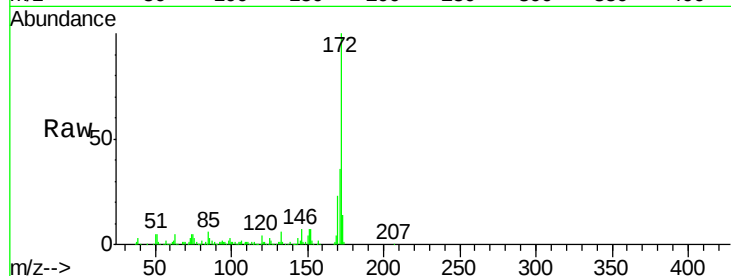




#44  
2-Fluorobiphenyl  
Concen: 90.94 ng  
RT: 12.91 min Scan# 1739  
Delta R.T. 0.00 min  
Lab File: BG017450.D  
Acq: 4 Jun 2015 20:08

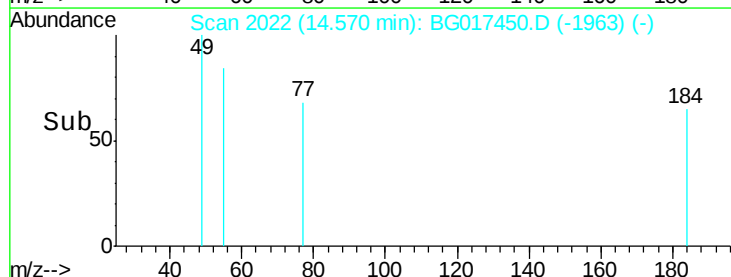
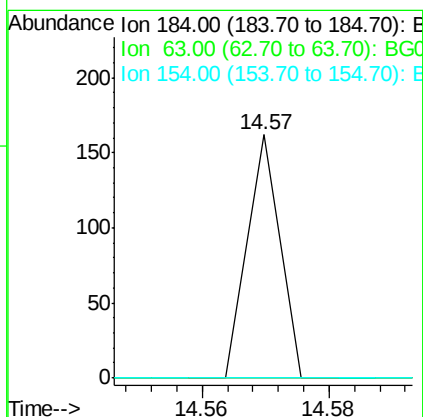
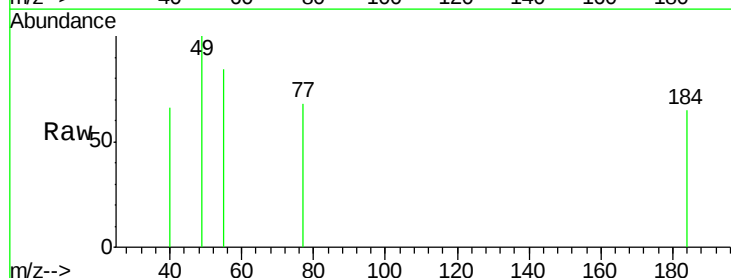
Instrument :  
BNA\_G  
ClientSampleId :  
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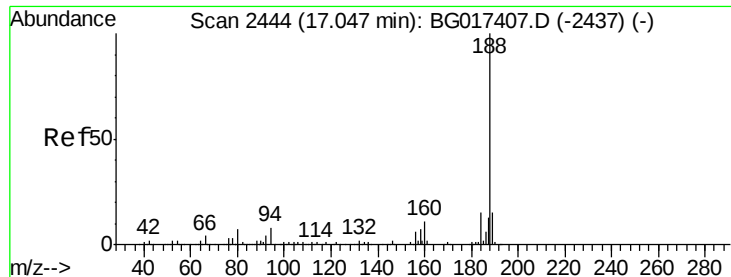
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.0  | 43.6  |
| 170     | 22.5  | 18.9  | 28.3  |



#53  
2,4-Dinitrophenol  
Concen: 7.12 ng  
RT: 14.57 min Scan# 2022  
Delta R.T. 0.15 min  
Lab File: BG017450.D  
Acq: 4 Jun 2015 20:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 0.0   | 61.5  | 92.3# |
| 154     | 0.0   | 53.8  | 80.8# |

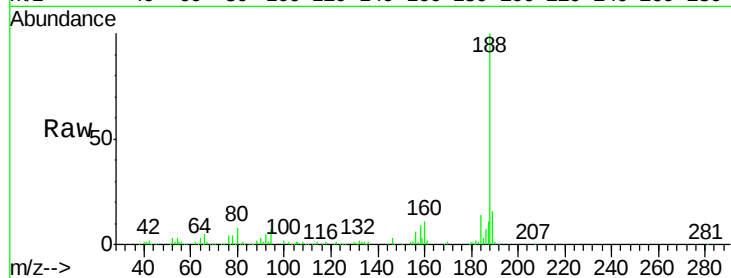




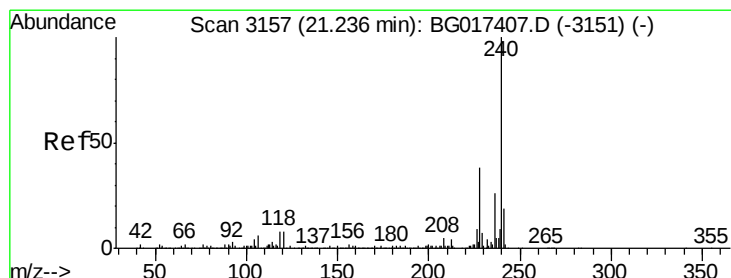
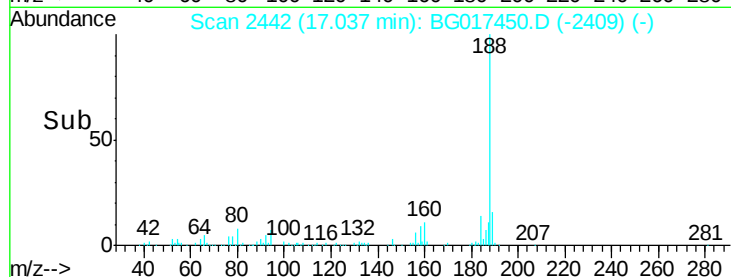
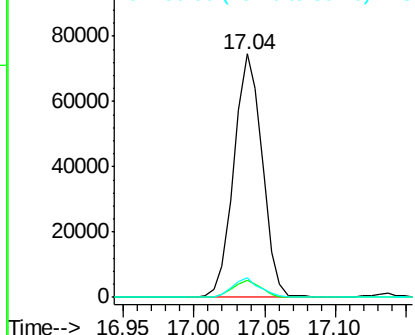
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.04 min Scan# 2442  
Delta R.T. -0.00 min  
Lab File: BG017450.D  
Acq: 4 Jun 2015 20:08

Instrument :  
BNA\_G  
ClientSampleId :  
SS043MW100-150602

Tgt Ion:188 Resp: 104176  
Ion Ratio Lower Upper  
188 100  
94 7.1 6.3 9.5  
80 7.8 5.2 7.8#

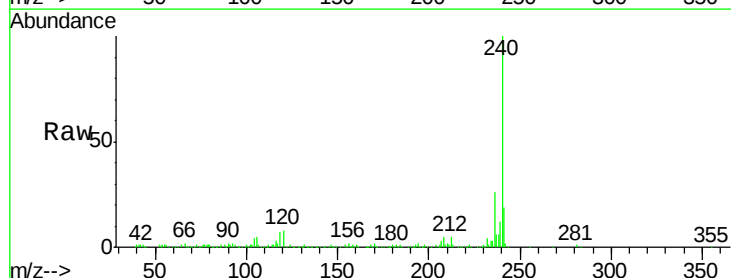


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

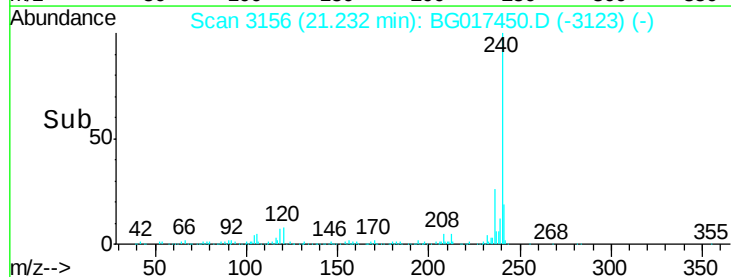
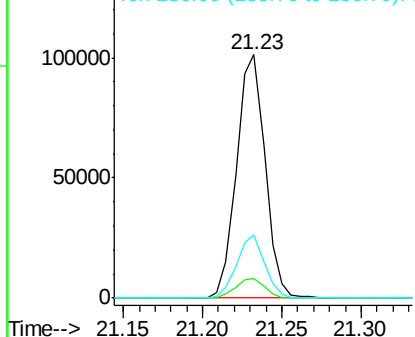


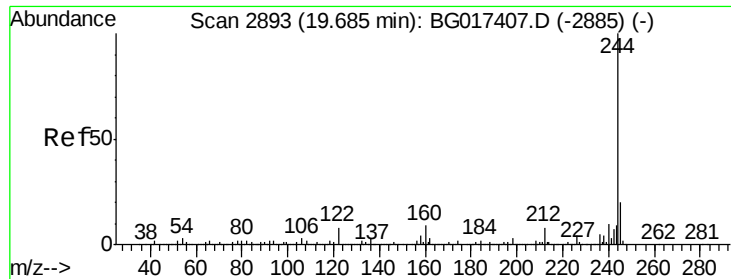
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.23 min Scan# 3156  
Delta R.T. -0.00 min  
Lab File: BG017450.D  
Acq: 4 Jun 2015 20:08

Tgt Ion:240 Resp: 125920  
Ion Ratio Lower Upper  
240 100  
120 8.0 6.5 9.7  
236 25.7 20.8 31.2



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: 91.50 ng

RT: 19.68 min Scan# 2892

Delta R.T. 0.00 min

Lab File: BG017450.D

Acq: 4 Jun 2015 20:08

Instrument :

BNA\_G

ClientSampleId :

SS043MW100-150602

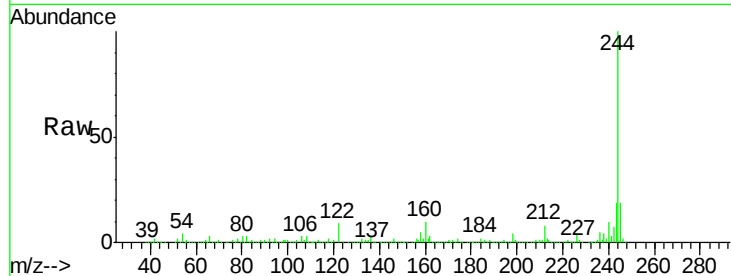
Tgt Ion:244 Resp: 557433

Ion Ratio Lower Upper

244 100

212 8.1 6.4 9.6

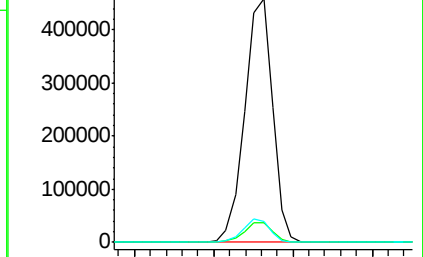
122 8.7 6.6 10.0



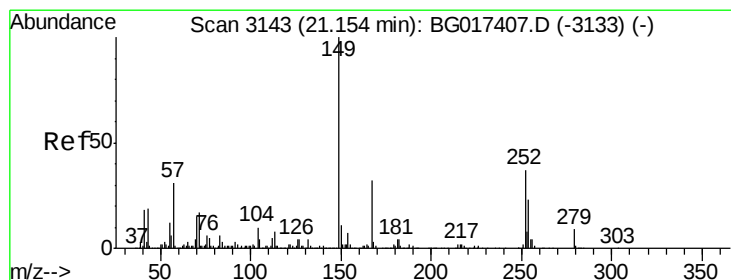
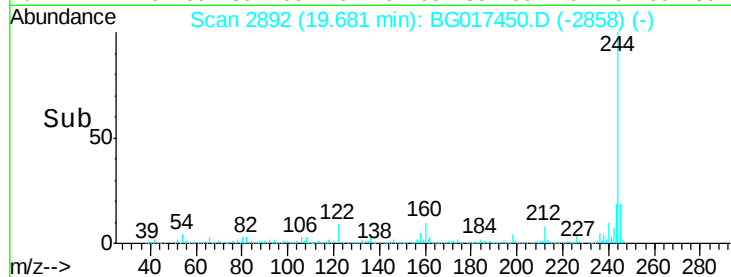
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.92 ng

RT: 21.15 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG017450.D

Acq: 4 Jun 2015 20:08

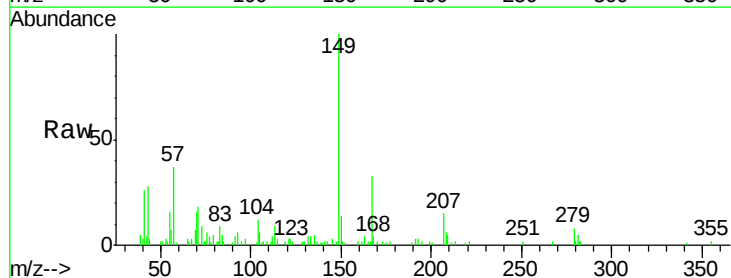
Tgt Ion:149 Resp: 14125

Ion Ratio Lower Upper

149 100

167 33.3 25.4 38.2

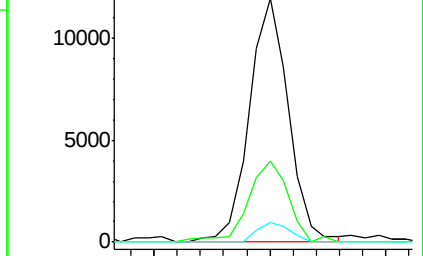
279 7.9 7.1 10.7



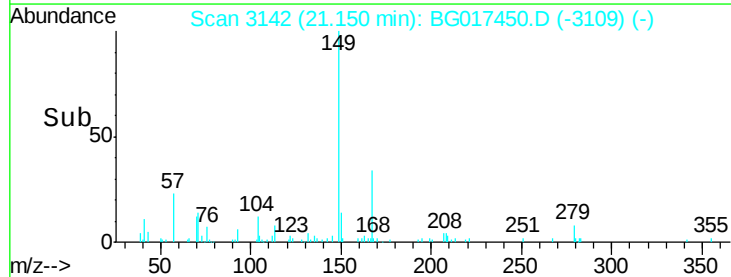
Abundance Ion 149.00 (148.70 to 149.70): E

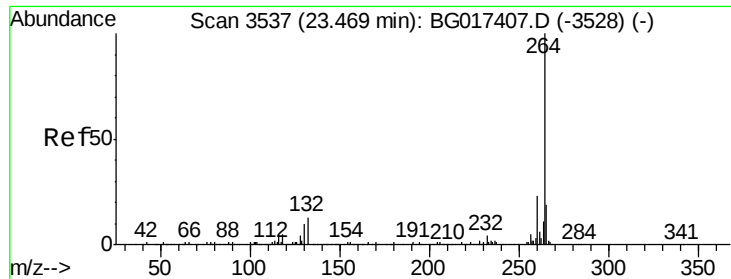
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.47 min Scan# 3536  
Delta R.T. -0.00 min  
Lab File: BG017450.D  
Acq: 4 Jun 2015 20:08

Instrument :  
BNA\_G  
ClientSampleId :  
SS043MW100-150602

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 18.2  | 27.4  |
| 265     | 21.6  | 15.8  | 23.6  |

