

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073116\  
 Data File : BG023374.D  
 Acq On : 31 Jul 2016 18:57  
 Operator : UM/SJ  
 Sample : H4285-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 01 01:27:42 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 27 17:30:33 2016  
 Response via : Initial Calibration

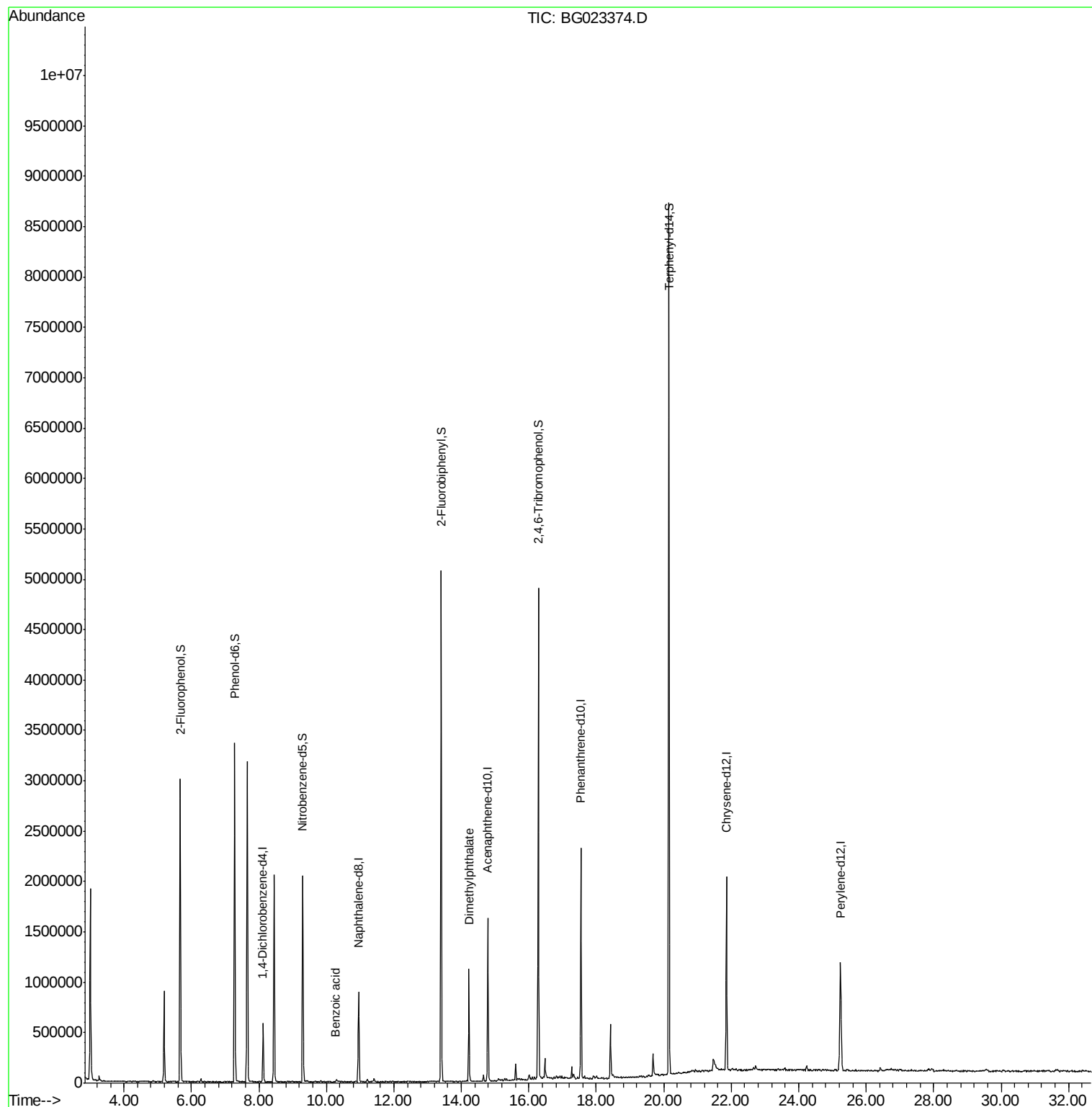
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 157543   | 20.00  | ng    | -0.02      |
| 21) Naphthalene-d8          | 10.95 | 136  | 748059   | 20.00  | ng    | -0.02      |
| 38) Acenaphthene-d10        | 14.78 | 164  | 543659   | 20.00  | ng    | -0.03      |
| 63) Phenanthrene-d10        | 17.54 | 188  | 1342942  | 20.00  | ng    | -0.03      |
| 75) Chrysene-d12            | 21.86 | 240  | 1164917  | 20.00  | ng    | -0.03      |
| 86) Perylene-d12            | 25.24 | 264  | 1169581  | 20.00  | ng    | -0.06      |
| System Monitoring Compounds |       |      |          |        |       |            |
| 5) 2-Fluorophenol           | 5.67  | 112  | 1333680  | 144.52 | ng    | 0.00       |
| 7) Phenol-d6                | 7.28  | 99   | 2044881  | 144.33 | ng    | 0.00       |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 1339028  | 87.53  | ng    | 0.00       |
| 41) 2,4,6-Tribromophenol    | 16.28 | 330  | 871161   | 154.82 | ng    | -0.03      |
| 44) 2-Fluorobiphenyl        | 13.40 | 172  | 2488851  | 85.68  | ng    | -0.02      |
| 78) Terphenyl-d14           | 20.15 | 244  | 3011866  | 84.05  | ng    | -0.03      |
| Target Compounds            |       |      |          |        |       |            |
| 32) Benzoic acid            | 10.25 | 122  | 66       | 8.12   | ng    | Qvalue # 1 |
| 49) Dimethylphthalate       | 14.23 | 163  | 729296   | 18.18  | ng    | 98         |

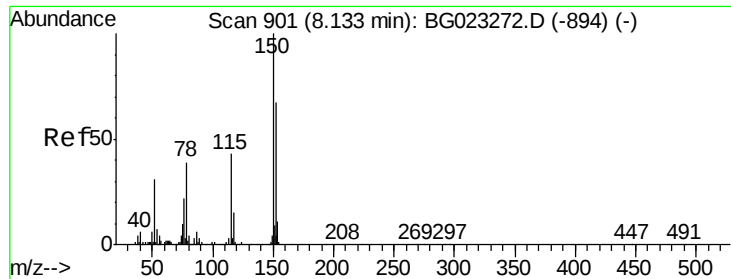
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 10 Sample Multiplier: 1

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BNA\_G  
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QLast Update : Wed Jul 27 17:30:33 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.02 min

Lab File: BG023374.D

Acq: 31 Jul 2016 18:57

Instrument :

BNA\_G

ClientSampleId :

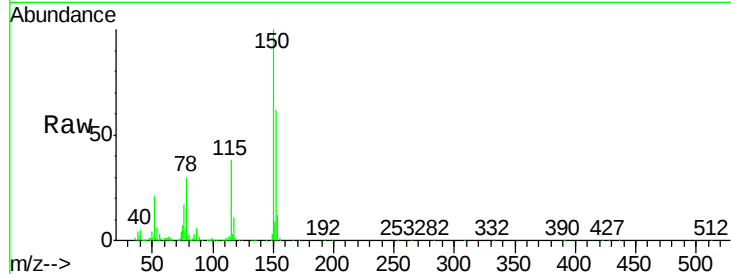
Tot Ion:152 Resp: 157543

Ion Ratio Lower Upper

152 100

150 161.3 144.7 217.1

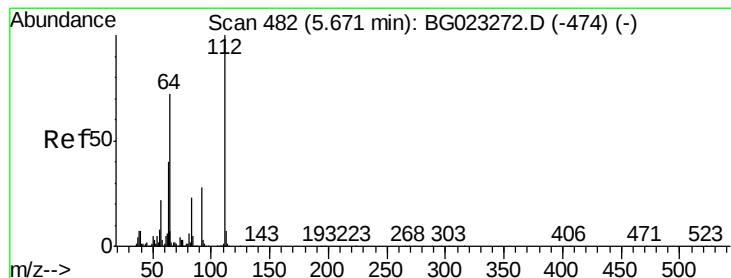
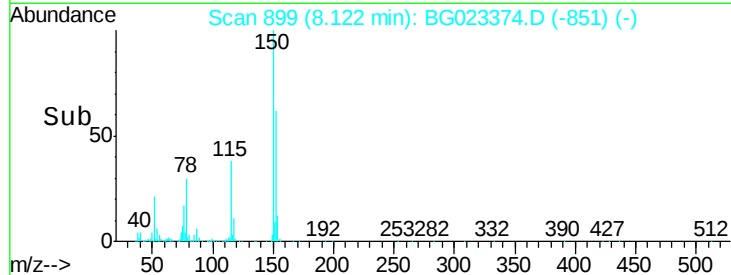
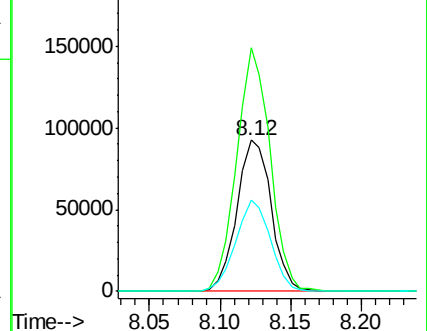
115 60.8 64.0 96.0#



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



#5

2-Fluorophenol

Concen: 144.52 ng

RT: 5.67 min Scan# 481

Delta R.T. -0.01 min

Lab File: BG023374.D

Acq: 31 Jul 2016 18:57

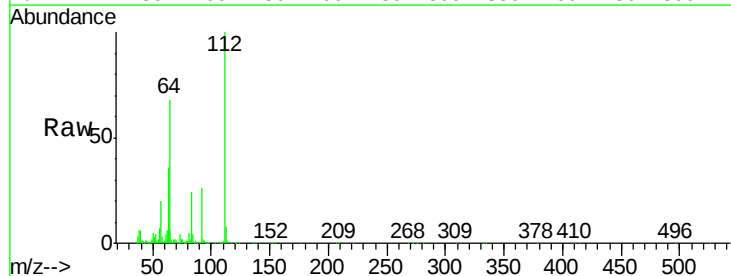
Tgt Ion:112 Resp: 1333680

Ion Ratio Lower Upper

112 100

64 68.2 59.0 88.4

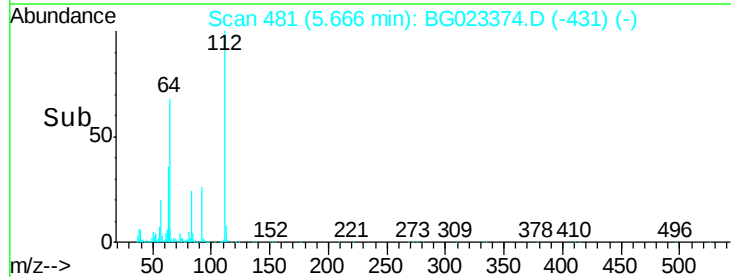
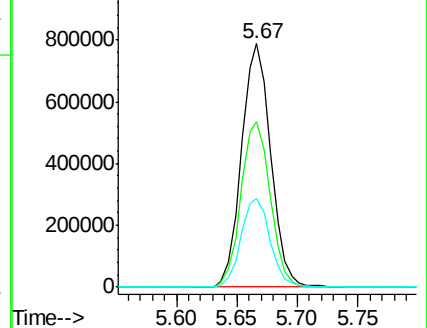
63 36.2 37.8 56.8#

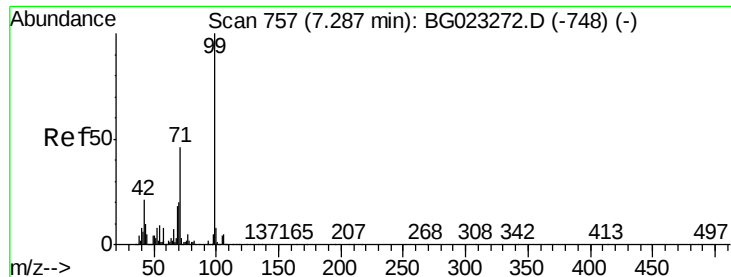


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 144.33 ng

RT: 7.28 min Scan# 756

Delta R.T. -0.01 min

Lab File: BG023374.D

Acq: 31 Jul 2016 18:57

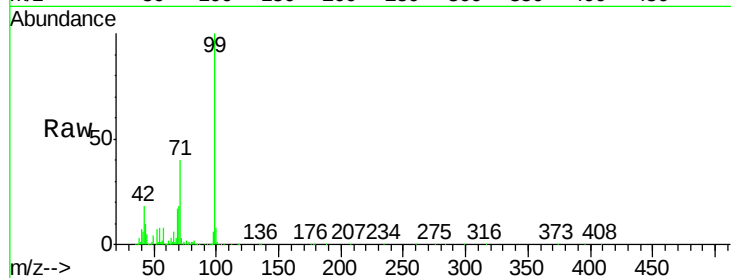
Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 99 Resp: 2044881

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.1  | 17.8  | 26.6  |
| 71  | 39.9  | 41.5  | 62.3  |

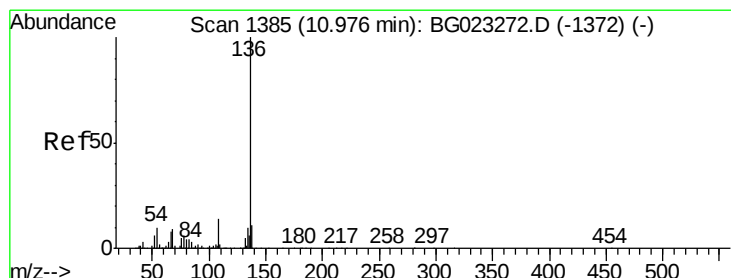
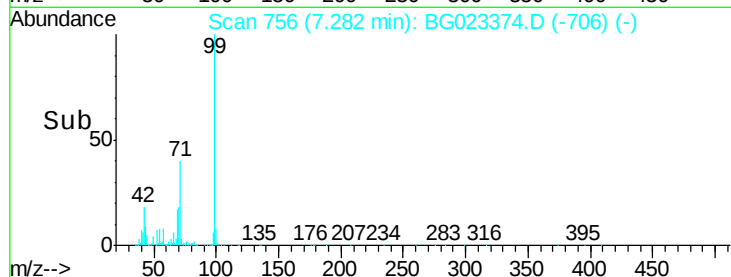
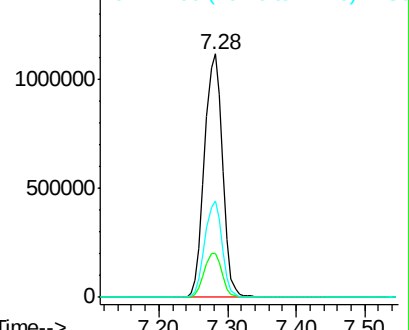


Abundance

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: 10.95 min Scan# 1381

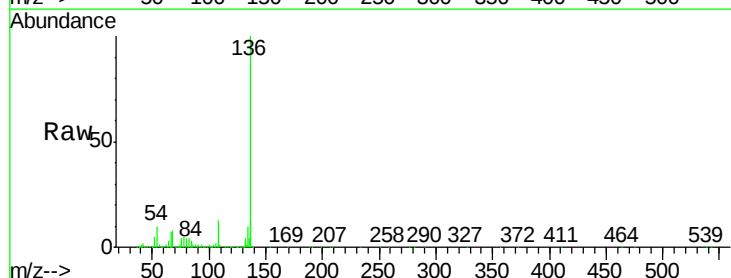
Delta R.T. -0.02 min

Lab File: BG023374.D

Acq: 31 Jul 2016 18:57

Tgt Ion: 136 Resp: 748059

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 12.9  | 9.6   | 14.4  |
| 54  | 9.6   | 7.3   | 10.9  |
| 68  | 8.2   | 5.3   | 7.9   |



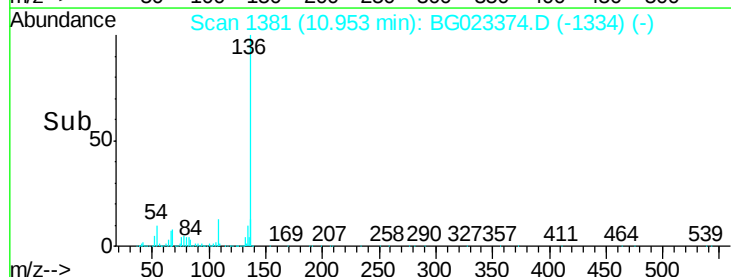
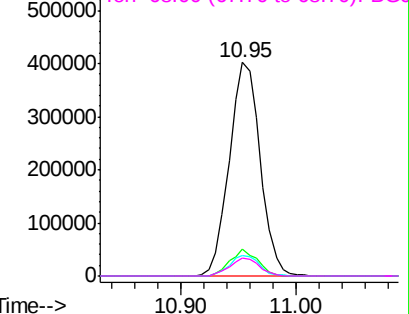
Abundance

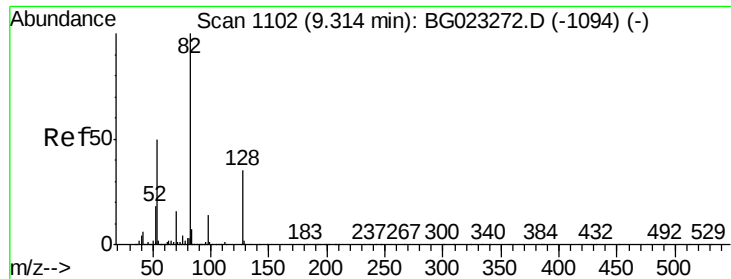
Ion 136.00 (135.70 to 136.70): BGC

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

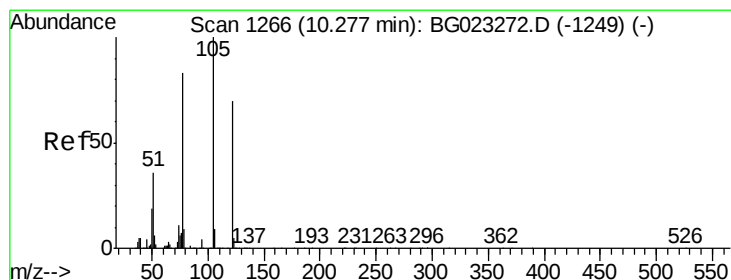
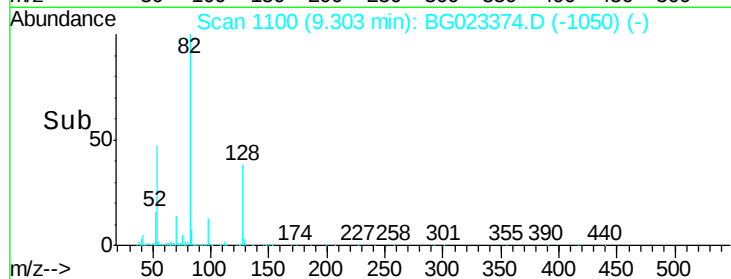
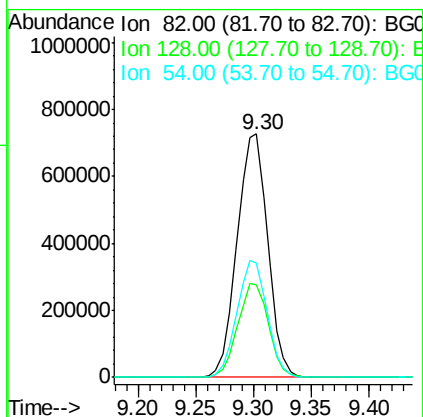
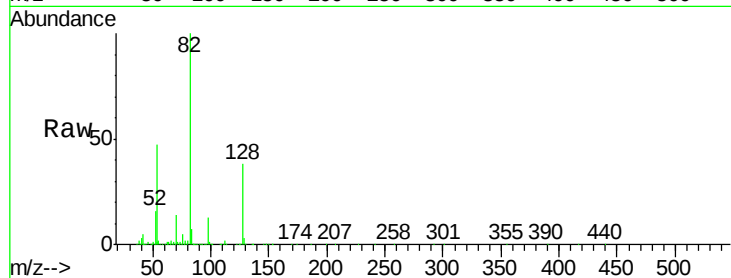




#23  
 Nitrobenzene-d5  
 Concen: 87.53 ng  
 RT: 9.30 min Scan# 1100  
 Delta R.T. -0.01 min  
 Lab File: BG023374.D  
 Acq: 31 Jul 2016 18:57

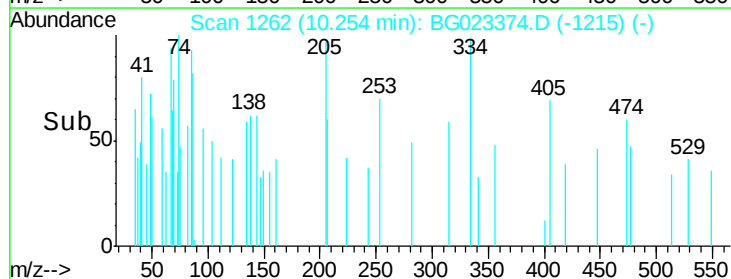
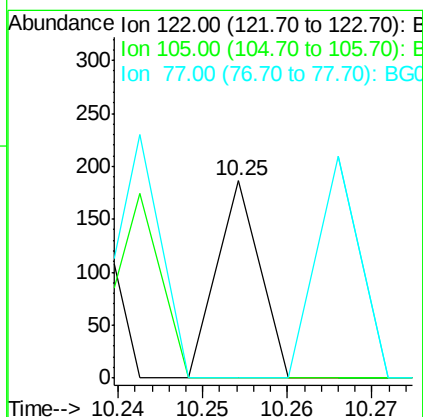
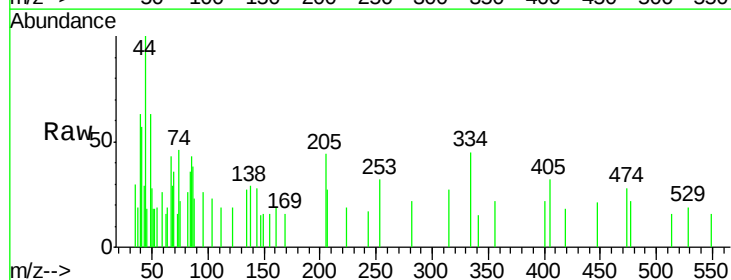
Instrument :  
 BNA\_G  
 ClientSampleID :

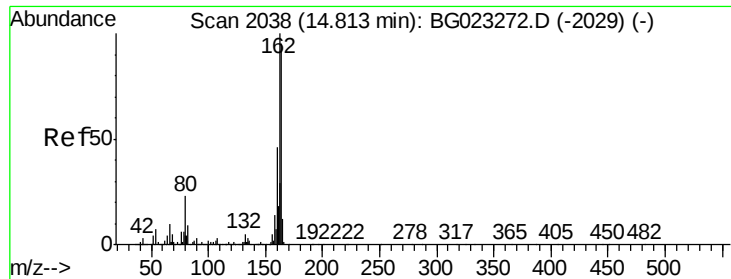
Tot Ion: 82 Resp: 1339028  
 Ion Ratio Lower Upper  
 82 100  
 128 38.2 24.4 36.6#  
 54 46.9 41.4 62.0



#32  
 Benzoic acid  
 Concen: 8.12 ng  
 RT: 10.25 min Scan# 1262  
 Delta R.T. -0.02 min  
 Lab File: BG023374.D  
 Acq: 31 Jul 2016 18:57

Tgt Ion: 122 Resp: 66  
 Ion Ratio Lower Upper  
 122 100  
 105 0.0 117.2 157.2#  
 77 0.0 109.2 149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.78 min Scan# 2033

Delta R.T. -0.03 min

Lab File: BG023374.D

Acq: 31 Jul 2016 18:57

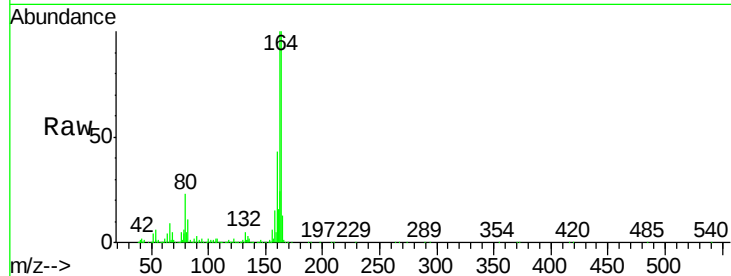
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:164 Resp: 543659

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 99.6  | 87.7  | 131.5 |
| 160 | 43.3  | 37.2  | 55.8  |



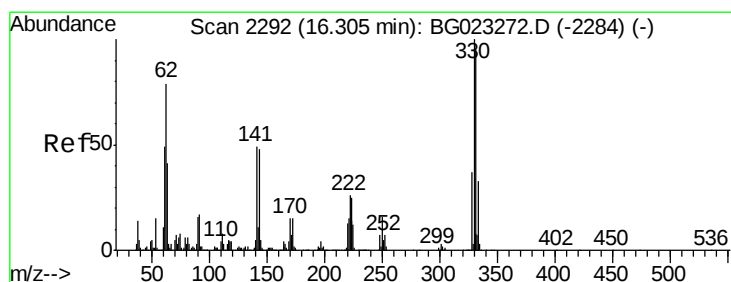
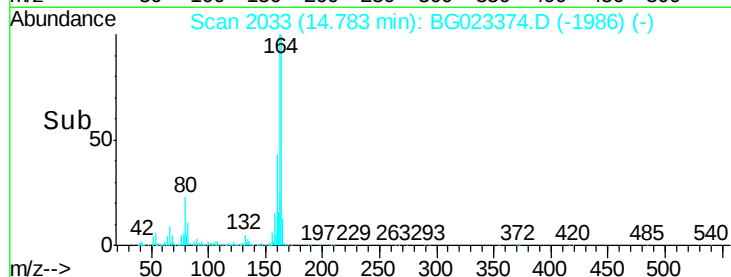
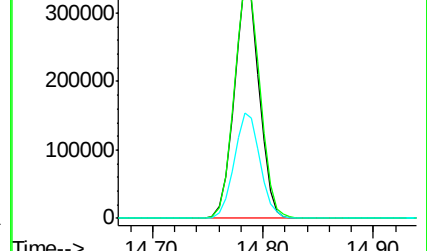
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.78

Time-->



#41

2,4,6-Tribromophenol

Concen: 154.82 ng

RT: 16.28 min Scan# 2288

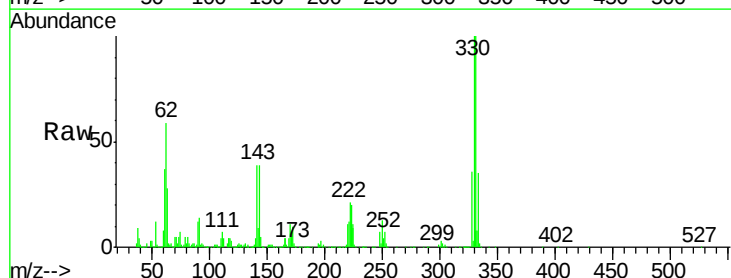
Delta R.T. -0.03 min

Lab File: BG023374.D

Acq: 31 Jul 2016 18:57

Tgt Ion:330 Resp: 871161

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 99.8  | 77.4  | 116.2 |
| 141 | 38.3  | 31.7  | 47.5  |

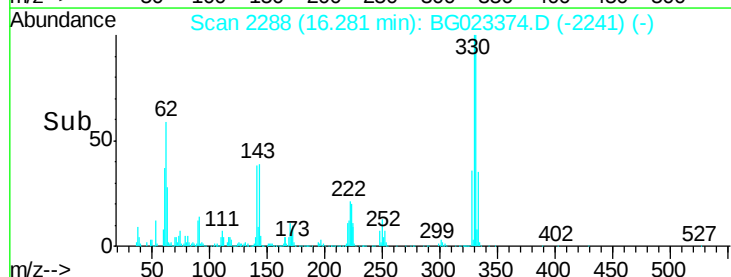
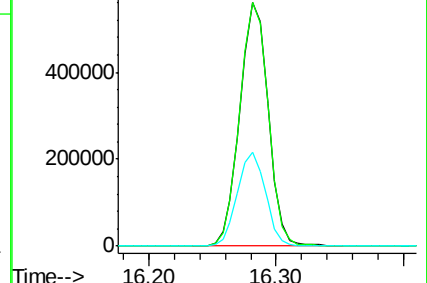


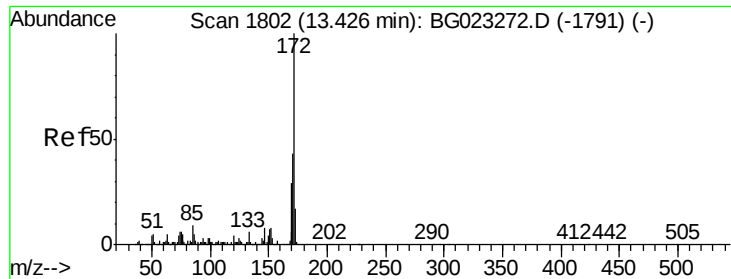
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

16.28

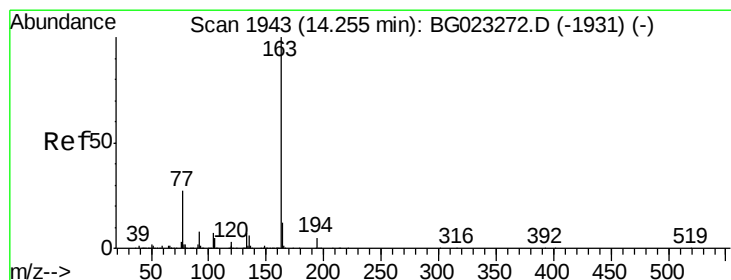
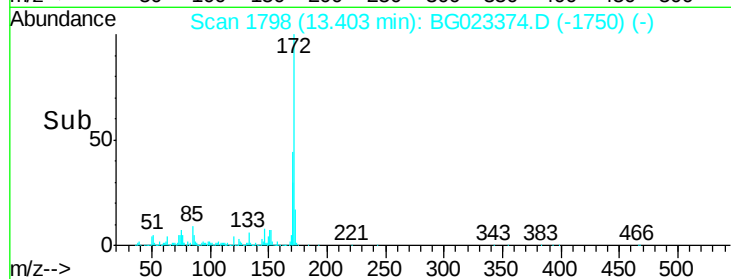
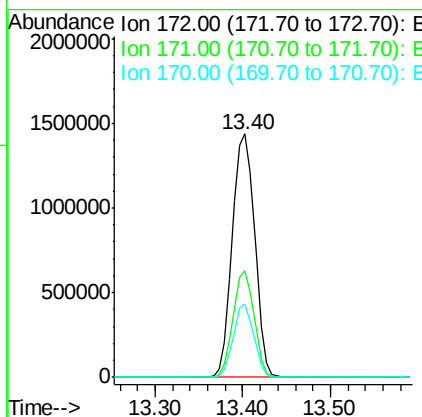
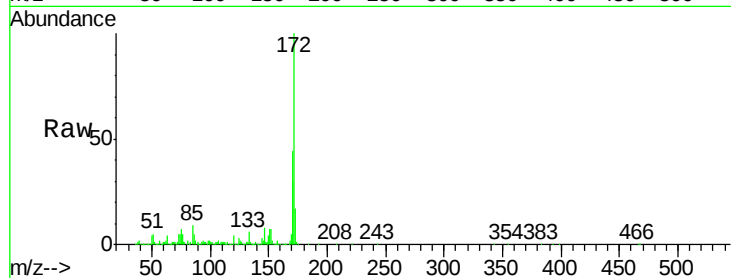




#44  
2-Fluorobiphenyl  
Concen: 85.68 ng  
RT: 13.40 min Scan# 1798  
Delta R.T. -0.02 min  
Lab File: BG023374.D  
Acq: 31 Jul 2016 18:57

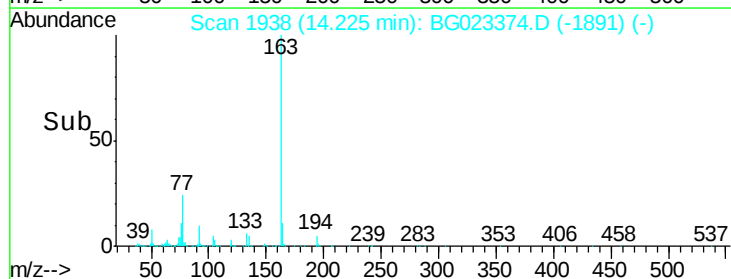
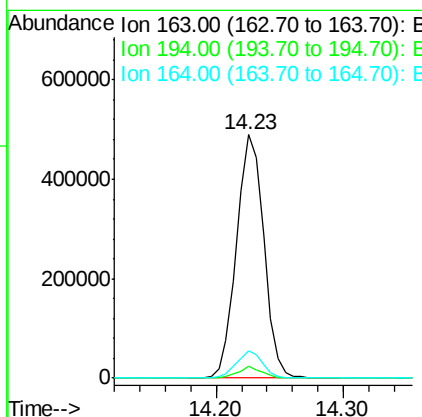
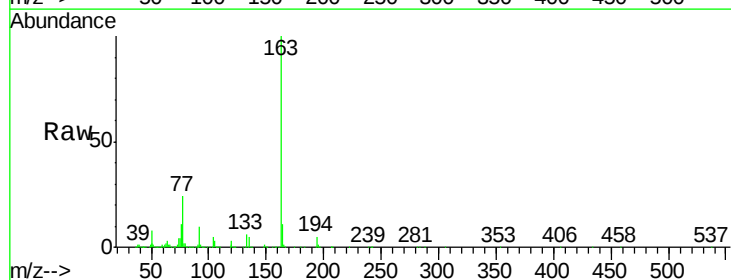
Instrument :  
BNA\_G  
ClientSampleId :

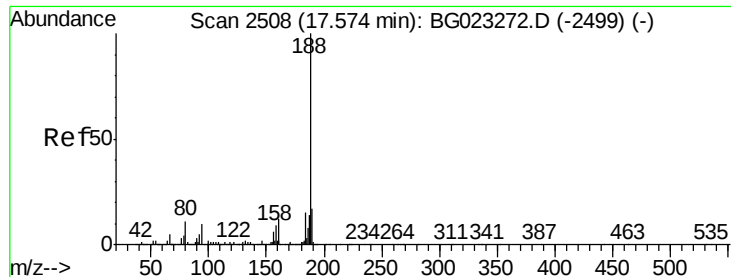
Tot Ion:172 Resp: 2488851  
Ion Ratio Lower Upper  
172 100  
171 43.8 31.6 47.4  
170 29.9 21.3 31.9



#49  
Dimethylphthalate  
Concen: 18.18 ng  
RT: 14.23 min Scan# 1938  
Delta R.T. -0.02 min  
Lab File: BG023374.D  
Acq: 31 Jul 2016 18:57

Tgt Ion:163 Resp: 729296  
Ion Ratio Lower Upper  
163 100  
194 4.7 3.6 5.4  
164 11.0 8.1 12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.54 min Scan# 2503

Delta R.T. -0.03 min

Lab File: BG023374.D

Acq: 31 Jul 2016 18:57

Instrument :

BNA\_G

ClientSampleId :

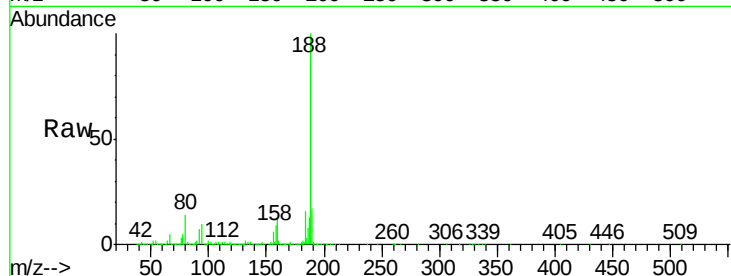
Tot Ion:188 Resp: 1342942

Ion Ratio Lower Upper

188 100

94 10.5 5.2 7.8#

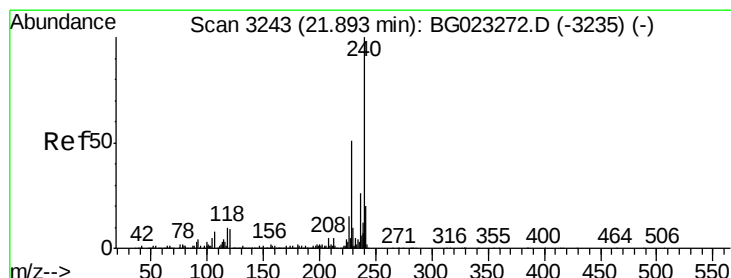
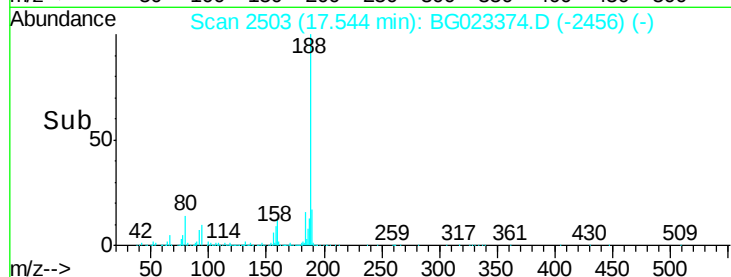
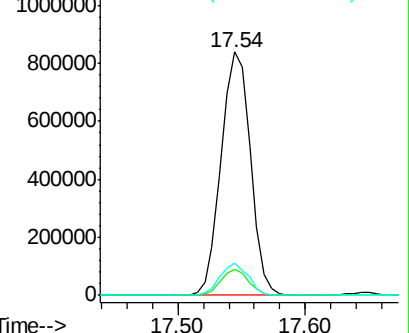
80 13.6 7.2 10.8#



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: 21.86 min Scan# 3238

Delta R.T. -0.03 min

Lab File: BG023374.D

Acq: 31 Jul 2016 18:57

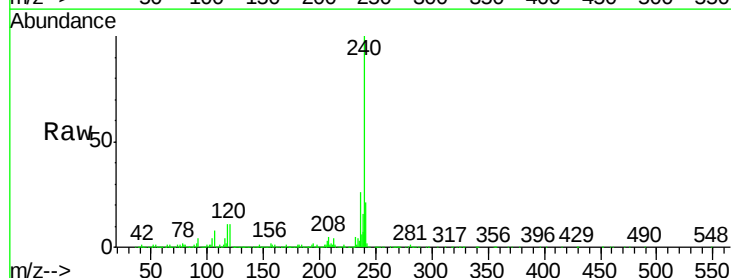
Tgt Ion:240 Resp: 1164917

Ion Ratio Lower Upper

240 100

120 10.6 4.1 6.1#

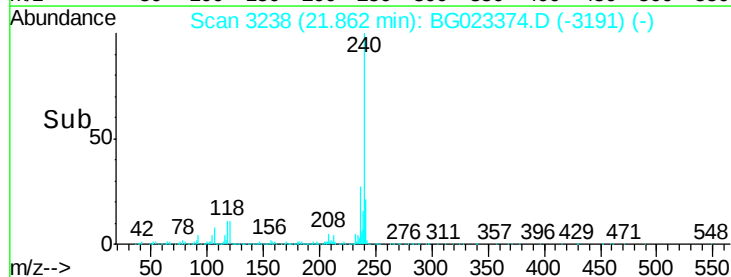
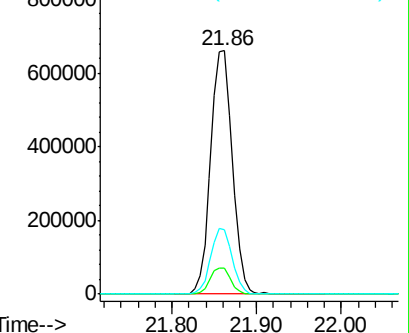
236 26.5 21.1 31.7

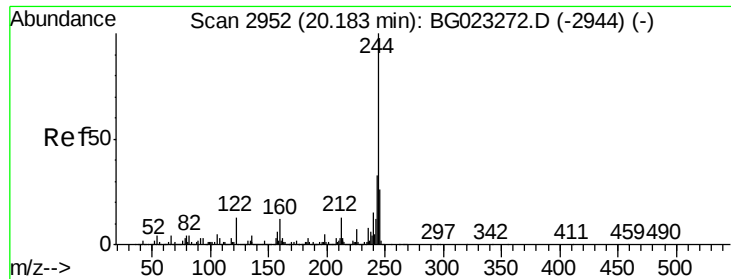


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 84.05 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.03 min

Lab File: BG023374.D

Acq: 31 Jul 2016 18:57

Instrument :

BNA\_G

ClientSampled :

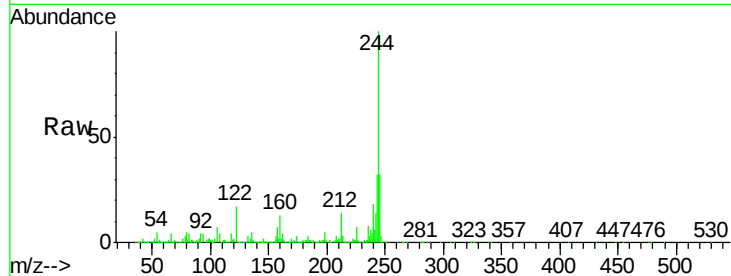
Tot Ion:244 Resp: 3011866

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 14.0  | 10.8  | 16.2  |
| 122 | 16.9  | 8.0   | 12.0  |

244 100

212 14.0 10.8 16.2

122 16.9 8.0 12.0



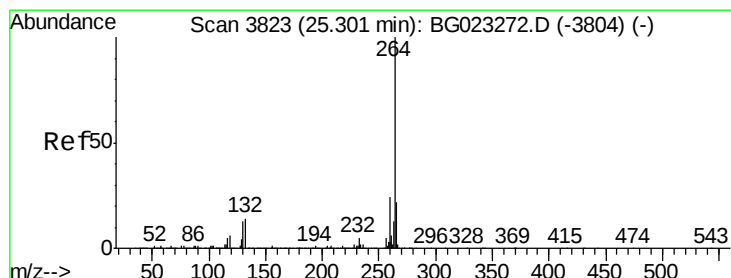
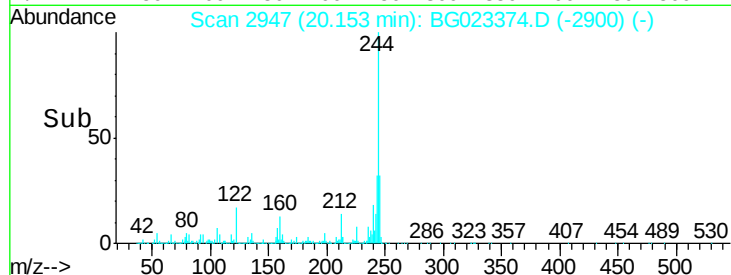
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.15

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.24 min Scan# 3813

Delta R.T. -0.06 min

Lab File: BG023374.D

Acq: 31 Jul 2016 18:57

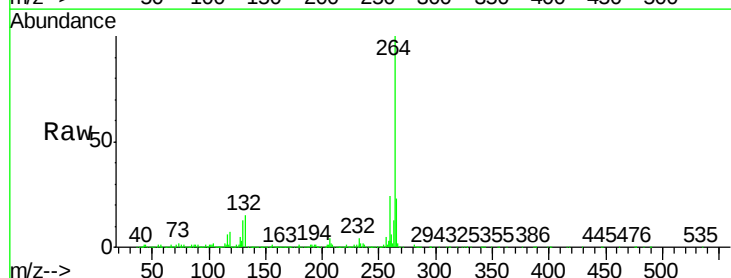
Tgt Ion:264 Resp: 1169581

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.4  | 27.6  |
| 265 | 22.9  | 18.9  | 28.3  |

264 100

260 23.8 18.4 27.6

265 22.9 18.9 28.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

25.24

Time-->

