

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG073016\  
 Data File : BG023349.D  
 Acq On : 30 Jul 2016 1:14  
 Operator : UM/SJ  
 Sample : H4176-18  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-36-6.5-15.0

Quant Time: Jul 30 03:18:40 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

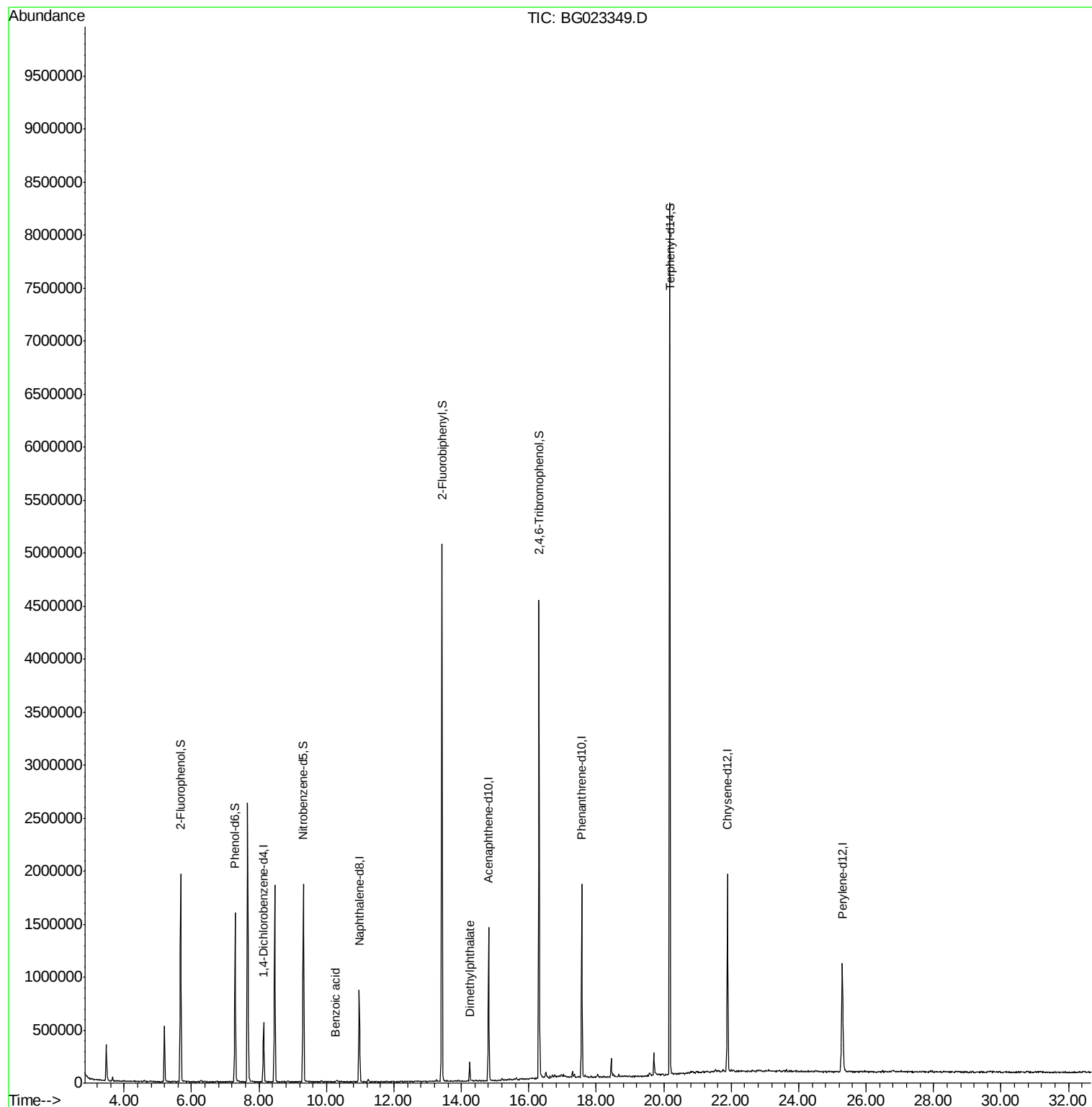
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 152995   | 20.00  | ng    | 0.00       |
| 21) Naphthalene-d8          | 10.97 | 136  | 706378   | 20.00  | ng    | 0.00       |
| 38) Acenaphthene-d10        | 14.80 | 164  | 486006   | 20.00  | ng    | 0.00       |
| 63) Phenanthrene-d10        | 17.57 | 188  | 1097787  | 20.00  | ng    | 0.00       |
| 75) Chrysene-d12            | 21.89 | 240  | 1115895  | 20.00  | ng    | 0.00       |
| 86) Perylene-d12            | 25.30 | 264  | 1145901  | 20.00  | ng    | 0.00       |
| System Monitoring Compounds |       |      |          |        |       |            |
| 5) 2-Fluorophenol           | 5.67  | 112  | 862612   | 96.25  | ng    | 0.00       |
| 7) Phenol-d6                | 7.29  | 99   | 991644   | 72.07  | ng    | 0.00       |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 1218424  | 84.35  | ng    | 0.00       |
| 41) 2,4,6-Tribromophenol    | 16.31 | 330  | 836472   | 166.29 | ng    | 0.00       |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 2463971  | 94.89  | ng    | 0.00       |
| 78) Terphenyl-d14           | 20.18 | 244  | 2952829  | 86.02  | ng    | 0.00       |
| Target Compounds            |       |      |          |        |       |            |
| 32) Benzoic acid            | 10.26 | 122  | 112      | 8.12   | ng    | Qvalue # 1 |
| 49) Dimethylphthalate       | 14.25 | 163  | 123089   | 3.43   | ng    | 100        |

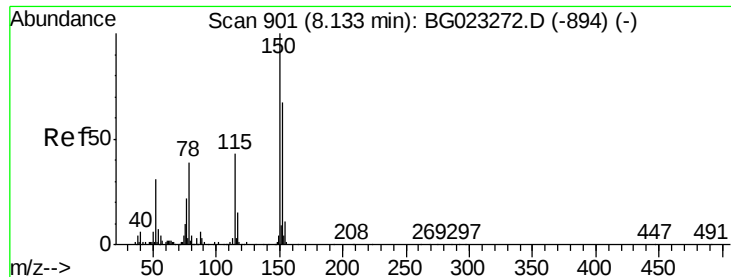
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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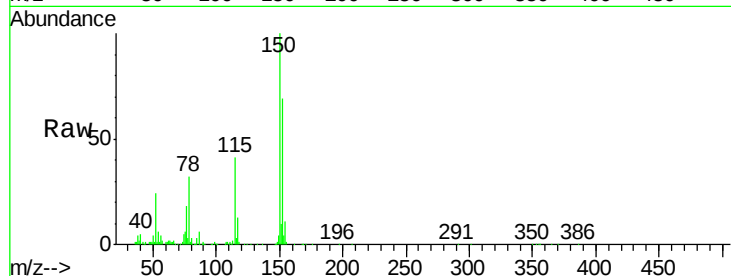


#1

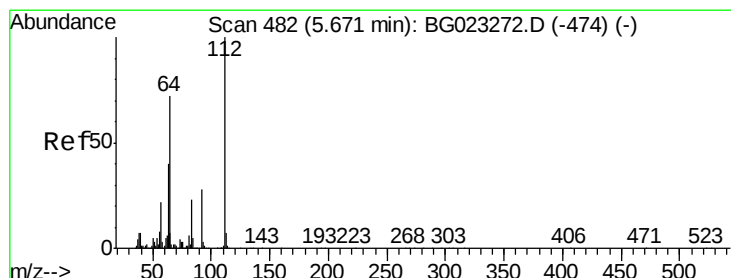
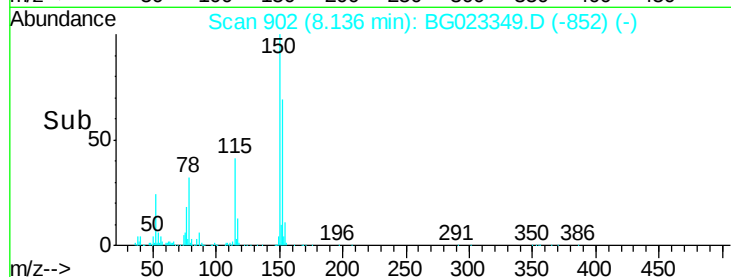
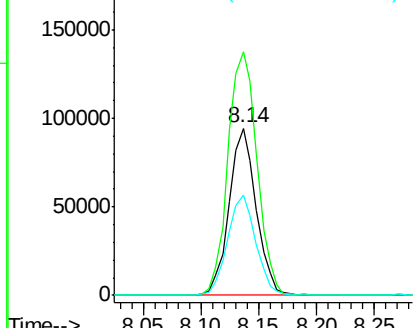
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.14 min Scan# 902  
Delta R.T. -0.00 min  
Lab File: BG023349.D  
Acq: 30 Jul 2016 1:14

Instrument :  
BNA\_G  
ClientSampleId :  
GW-36-6.5-15.0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 145.8 | 144.7 | 217.1 |
| 115     | 60.1  | 64.0  | 96.0  |



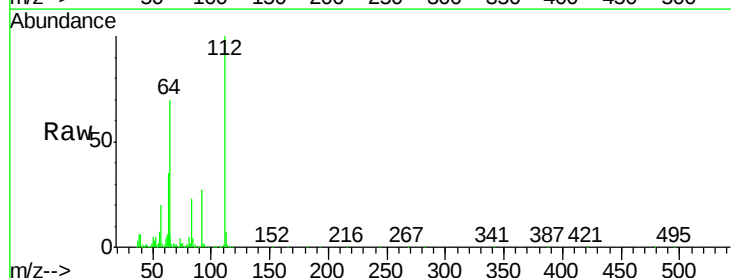
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



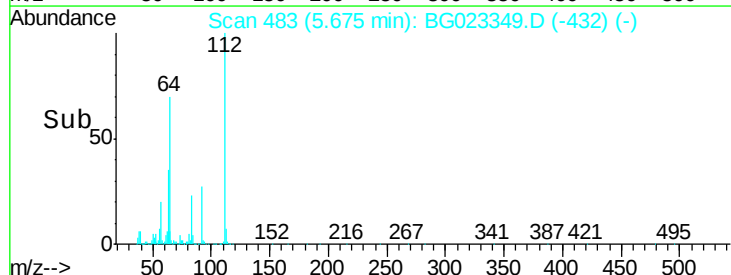
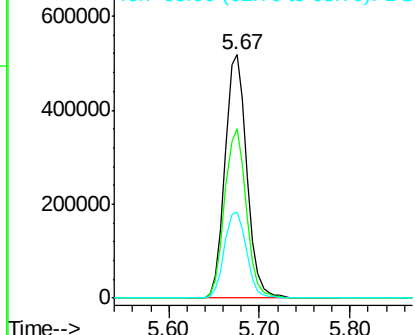
#5

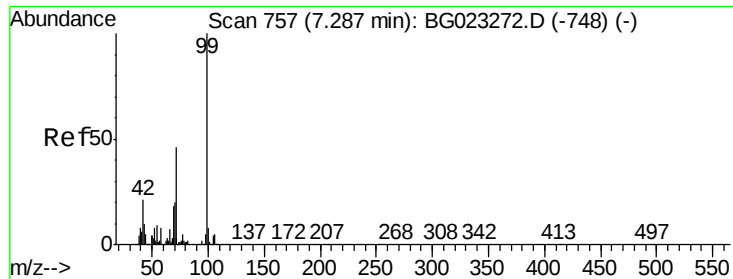
2-Fluorophenol  
Concen: 96.25 ng  
RT: 5.67 min Scan# 483  
Delta R.T. 0.00 min  
Lab File: BG023349.D  
Acq: 30 Jul 2016 1:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.5  | 59.0  | 88.4  |
| 63      | 35.5  | 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: 72.07 ng

RT: 7.29 min Scan# 758

Delta R.T. 0.00 min

Lab File: BG023349.D

Acq: 30 Jul 2016 1:14

Instrument :

BNA\_G

ClientSampleId :

GW-36-6.5-15.0

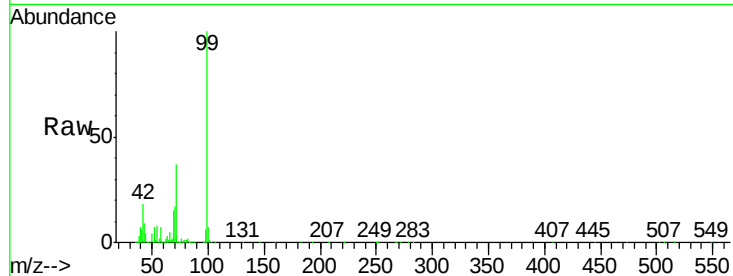
Tgt Ion: 99 Resp: 991644

Ion Ratio Lower Upper

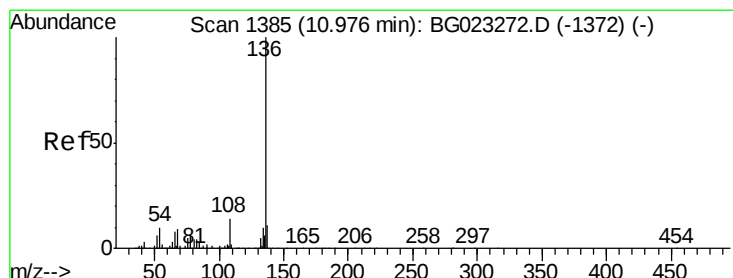
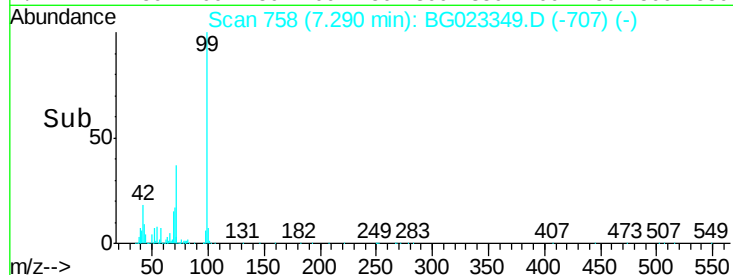
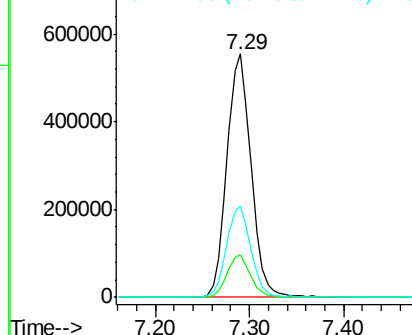
99 100

42 17.8 17.8 26.6

71 37.3 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: 10.97 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BG023349.D

Acq: 30 Jul 2016 1:14

Tgt Ion: 136 Resp: 706378

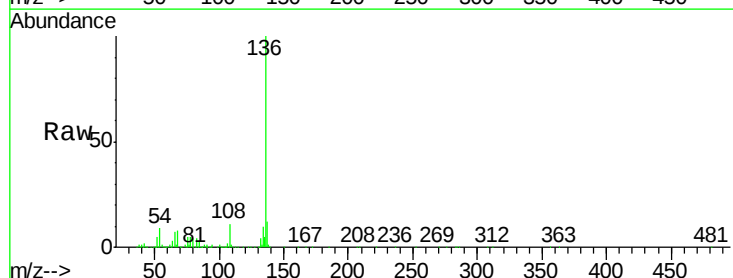
Ion Ratio Lower Upper

136 100

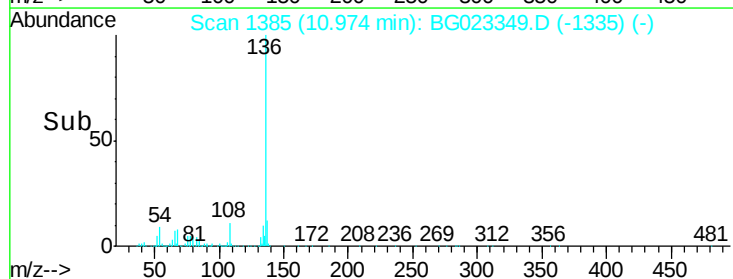
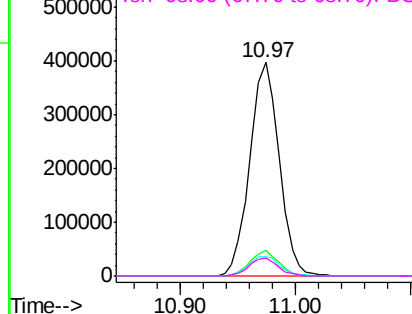
137 12.2 9.6 14.4

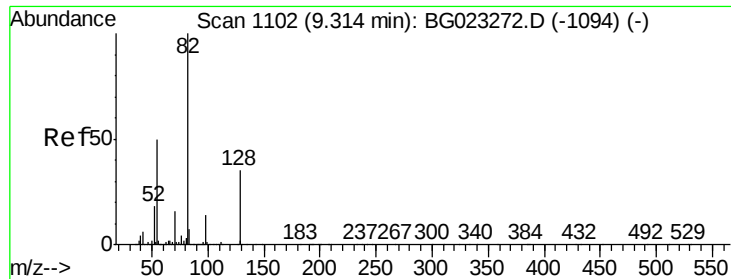
54 8.7 7.3 10.9

68 8.5 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

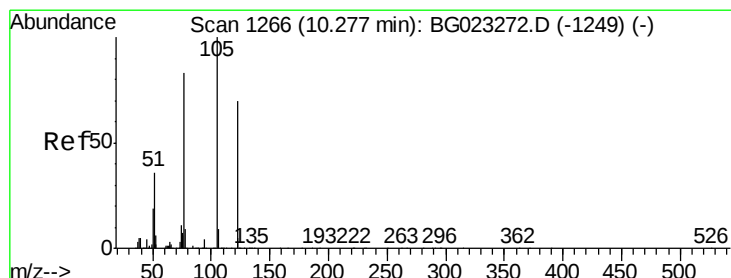
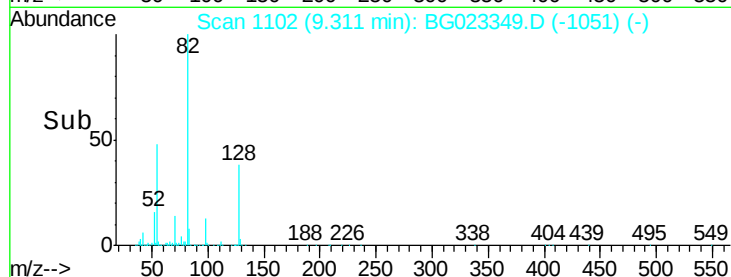
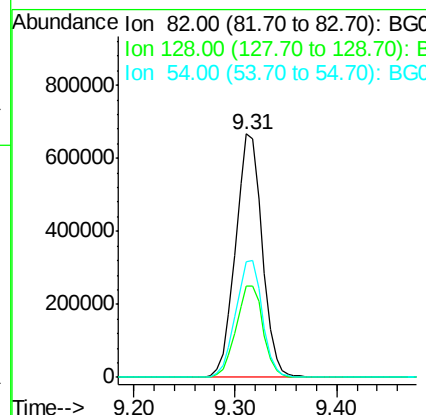
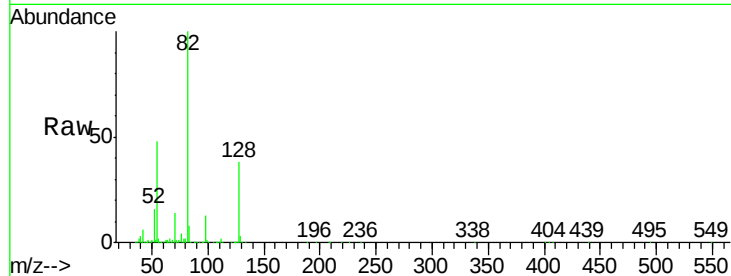




#23  
 Nitrobenzene-d5  
 Concen: 84.35 ng  
 RT: 9.31 min Scan# 1102  
 Delta R.T. 0.00 min  
 Lab File: BG023349.D  
 Acq: 30 Jul 2016 1:14

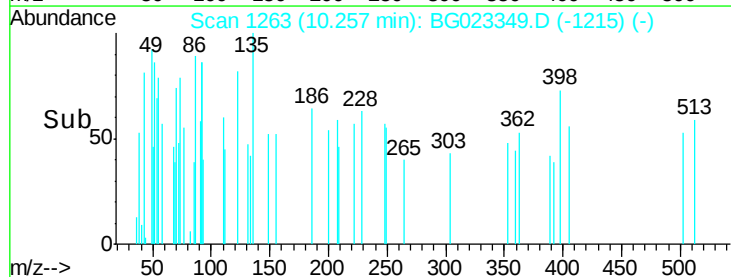
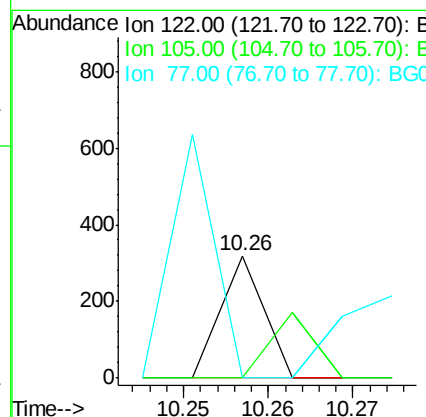
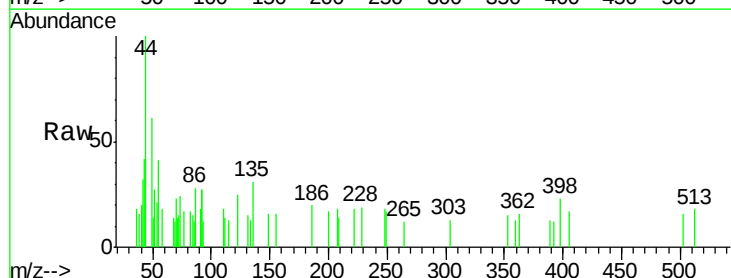
Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-36-6.5-15.0

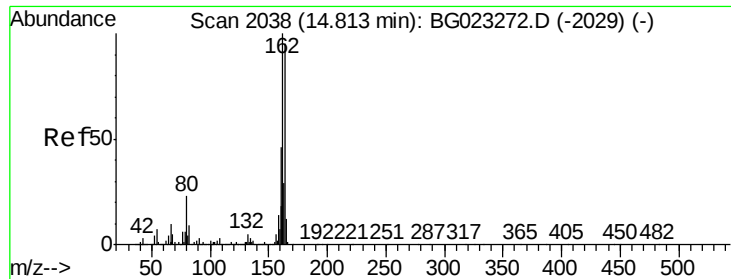
Tgt Ion: 82 Resp: 1218424  
 Ion Ratio Lower Upper  
 82 100  
 128 37.5 24.4 36.6#  
 54 47.6 41.4 62.0



#32  
 Benzoic acid  
 Concen: 8.12 ng  
 RT: 10.26 min Scan# 1263  
 Delta R.T. -0.02 min  
 Lab File: BG023349.D  
 Acq: 30 Jul 2016 1:14

Tgt Ion: 122 Resp: 112  
 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: 14.80 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BG023349.D

Acq: 30 Jul 2016 1:14

Instrument :

BNA\_G

ClientSampleId :

GW-36-6.5-15.0

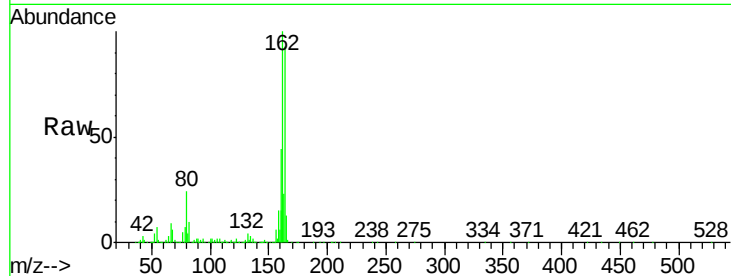
Tgt Ion:164 Resp: 486006

Ion Ratio Lower Upper

164 100

162 108.1 87.7 131.5

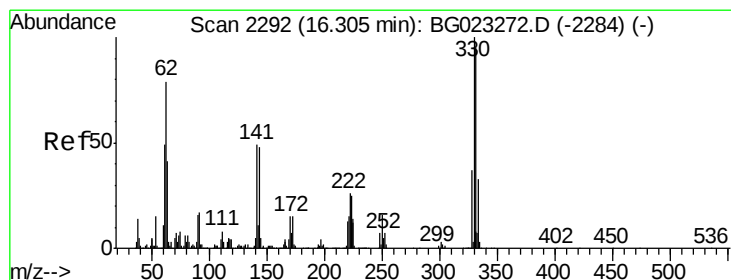
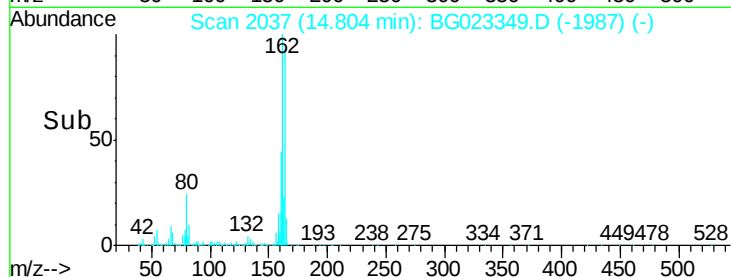
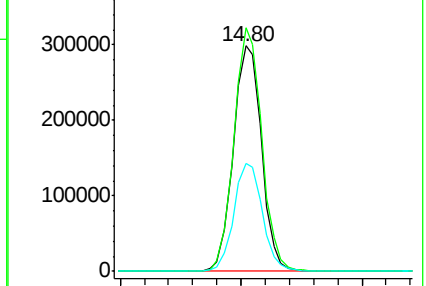
160 47.9 37.2 55.8



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



#41

2,4,6-Tribromophenol

Concen: 166.29 ng

RT: 16.31 min Scan# 2293

Delta R.T. 0.00 min

Lab File: BG023349.D

Acq: 30 Jul 2016 1:14

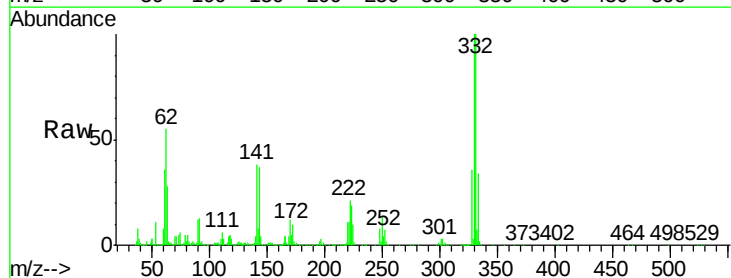
Tgt Ion:330 Resp: 836472

Ion Ratio Lower Upper

330 100

332 100.1 77.4 116.2

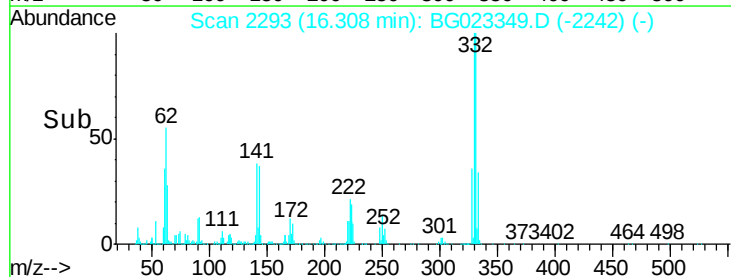
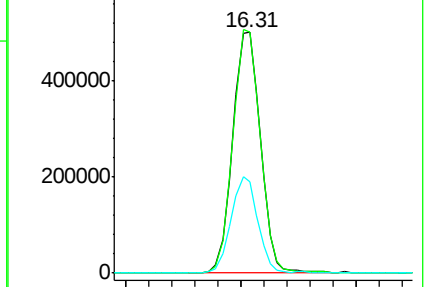
141 39.0 31.7 47.5

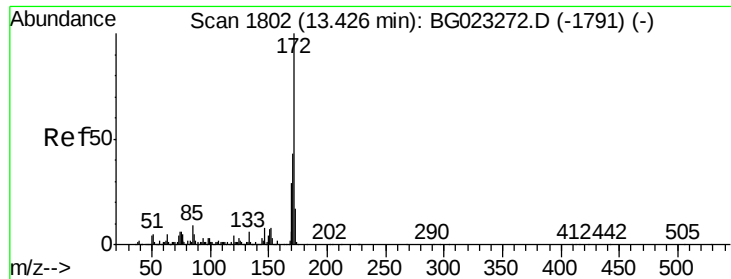


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

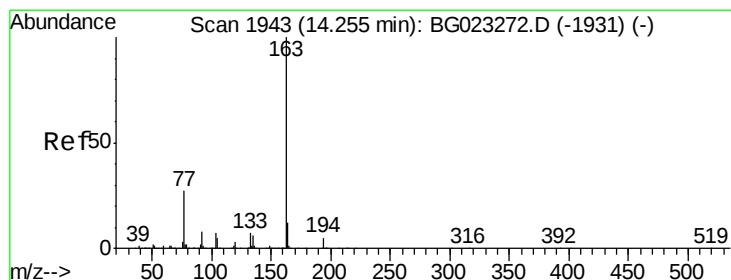
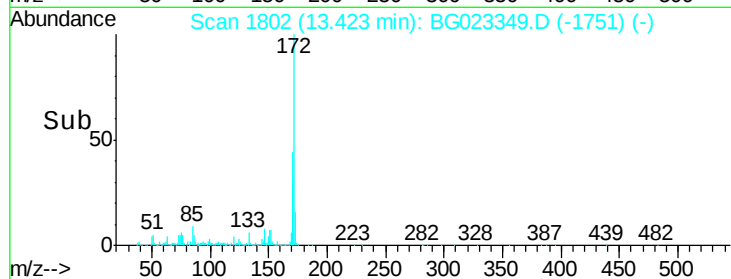
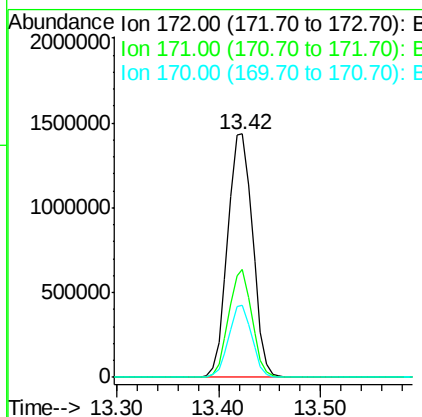
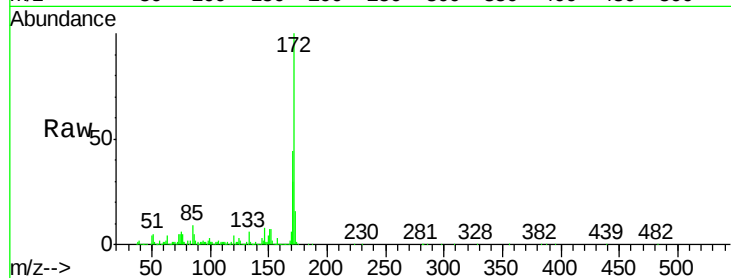




#44  
2-Fluorobiphenyl  
Concen: 94.89 ng  
RT: 13.42 min Scan# 1802  
Delta R.T. 0.00 min  
Lab File: BG023349.D  
Acq: 30 Jul 2016 1:14

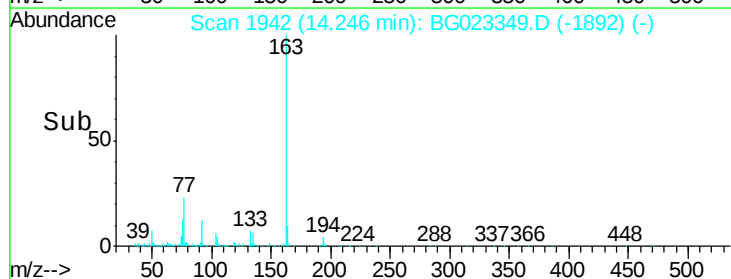
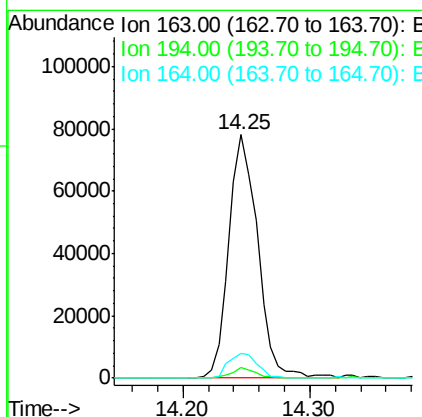
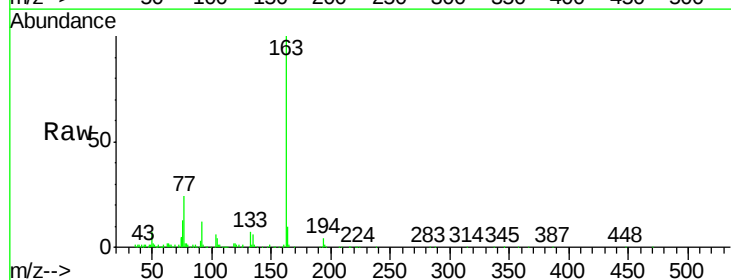
Instrument :  
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GW-36-6.5-15.0

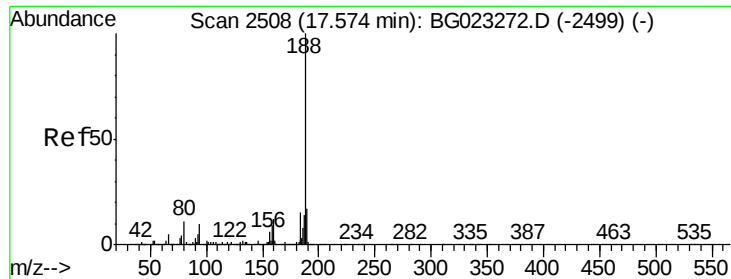
Tgt Ion:172 Resp: 2463971  
Ion Ratio Lower Upper  
172 100  
171 44.2 31.6 47.4  
170 29.5 21.3 31.9



#49  
Dimethylphthalate  
Concen: 3.43 ng  
RT: 14.25 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: BG023349.D  
Acq: 30 Jul 2016 1:14

Tgt Ion:163 Resp: 123089  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.6 5.4  
164 10.0 8.1 12.1

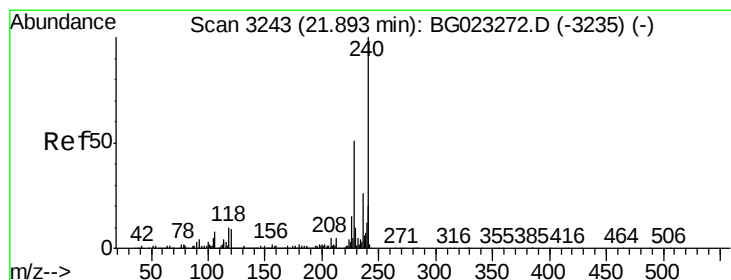
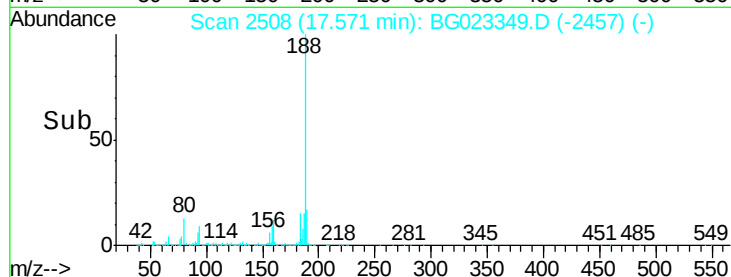
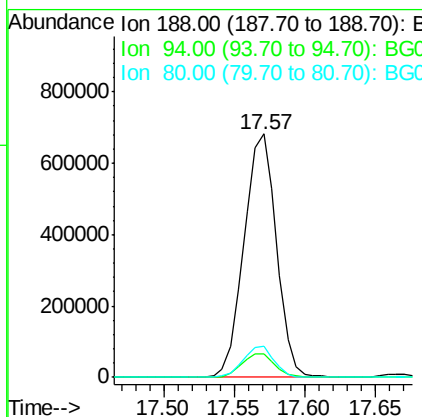
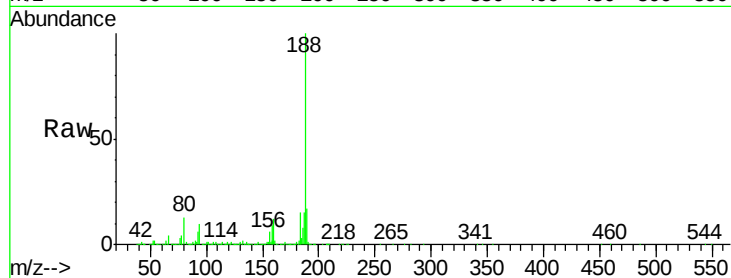




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.57 min Scan# 2508  
Delta R.T. 0.00 min  
Lab File: BG023349.D  
Acq: 30 Jul 2016 1:14

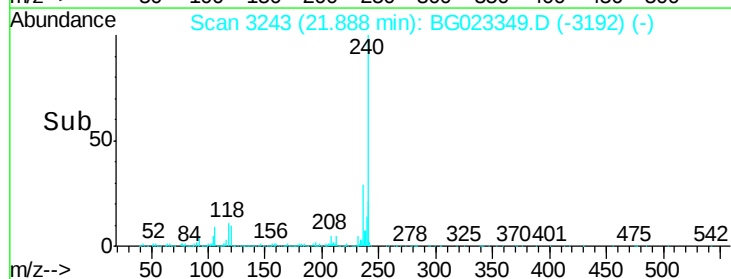
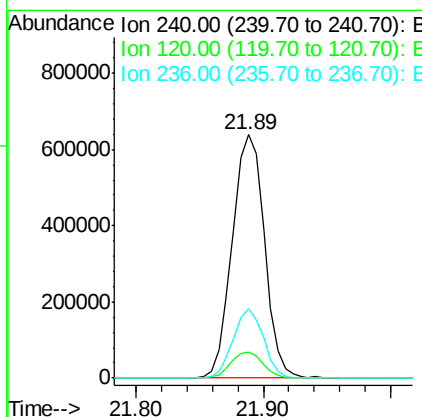
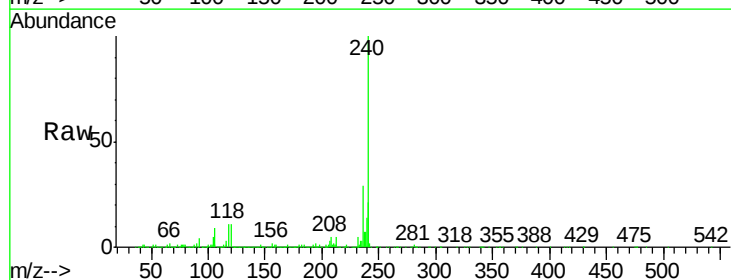
Instrument :  
BNA\_G  
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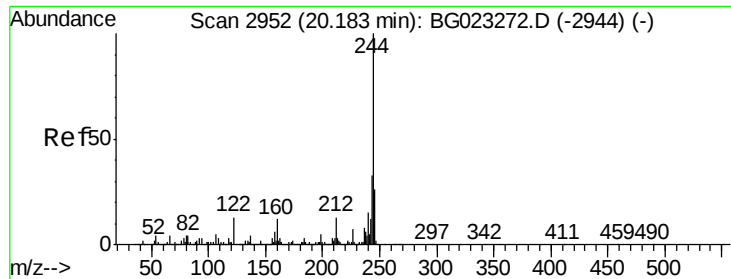
Tgt Ion:188 Resp: 1097787  
Ion Ratio Lower Upper  
188 100  
94 9.5 5.2 7.8#  
80 12.7 7.2 10.8#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.89 min Scan# 3243  
Delta R.T. -0.00 min  
Lab File: BG023349.D  
Acq: 30 Jul 2016 1:14

Tgt Ion:240 Resp: 1115895  
Ion Ratio Lower Upper  
240 100  
120 10.5 4.1 6.1#  
236 28.8 21.1 31.7





#78

Terphenyl-d14

Concen: 86.02 ng

RT: 20.18 min Scan# 2952

Delta R.T. 0.00 min

Lab File: BG023349.D

Acq: 30 Jul 2016 1:14

Instrument :

BNA\_G

ClientSampleId :

GW-36-6.5-15.0

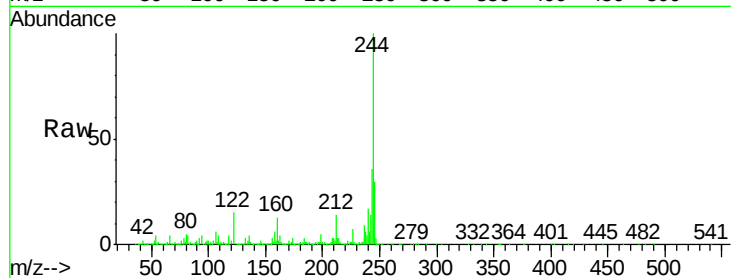
Tgt Ion:244 Resp: 2952829

Ion Ratio Lower Upper

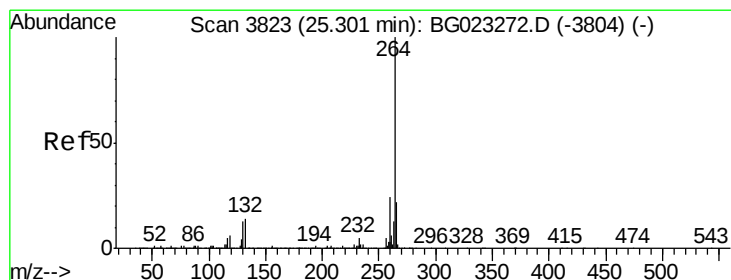
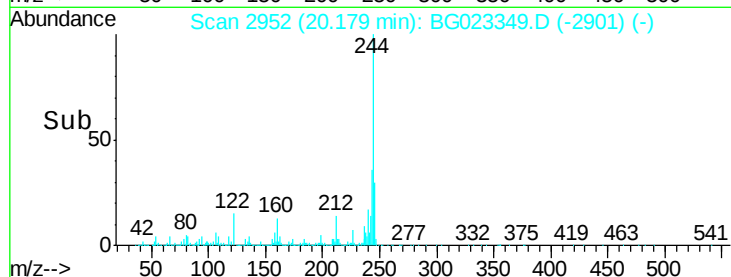
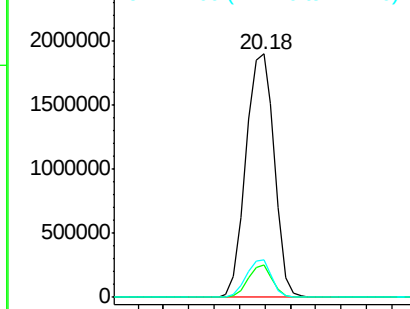
244 100

212 13.5 10.8 16.2

122 15.2 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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.30 min Scan# 3823

Delta R.T. -0.01 min

Lab File: BG023349.D

Acq: 30 Jul 2016 1:14

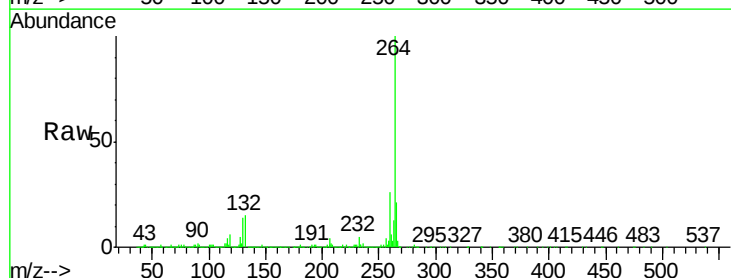
Tgt Ion:264 Resp: 1145901

Ion Ratio Lower Upper

264 100

260 25.5 18.4 27.6

265 20.9 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

