

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082316\  
 Data File : BG023877.D  
 Acq On : 24 Aug 2016 6:10  
 Operator : UM/SJ  
 Sample : H4556-11  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-DUP

Quant Time: Aug 24 07:11:52 2016  
 Quant Method : Z:\HPCHEM1\BNA G\Methods\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
 Response via : Initial Calibration

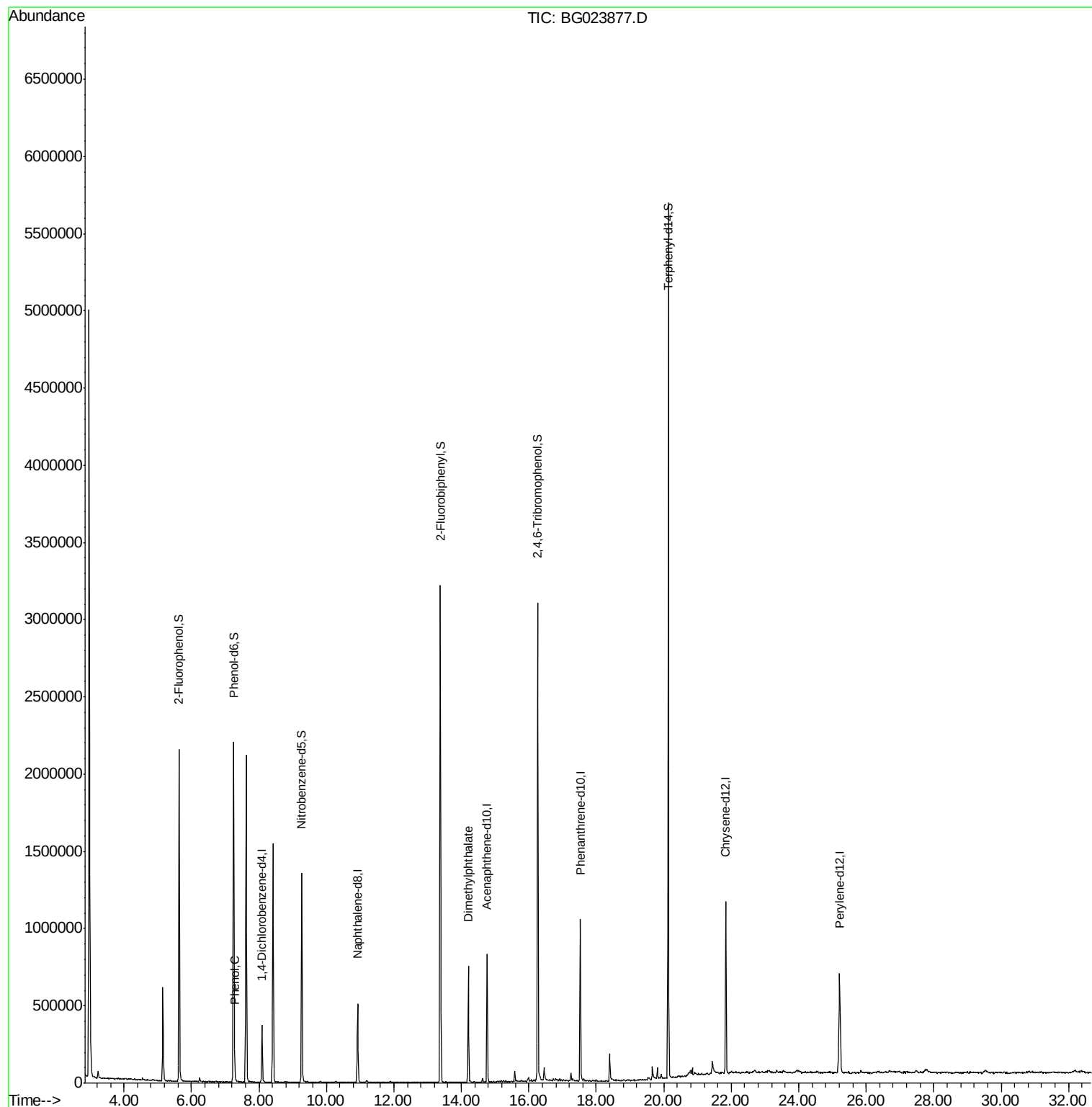
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 98124    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.92 | 136  | 422628   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 14.76 | 164  | 279439   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.53 | 188  | 665522   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.84 | 240  | 698047   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 25.22 | 264  | 690167   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 877121   | 150.47 | ng    | -0.03    |
| 7) Phenol-d6                | 7.25  | 99   | 1279934  | 140.97 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 882746   | 103.84 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 16.26 | 330  | 530775   | 129.86 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 1647069  | 99.42  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.13 | 244  | 2171067  | 100.92 | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.28  | 94   | 25662    | 2.64   | ng    | 82       |
| 49) Dimethylphthalate       | 14.21 | 163  | 497495   | 23.20  | ng    | 99       |

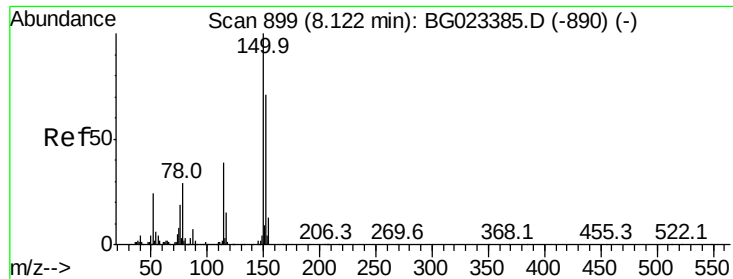
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082316\  
Data File : BG023877.D  
Acq On : 24 Aug 2016 6:10  
Operator : UM/SJ  
Sample : H4556-11  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-DUP

Quant Time: Aug 24 07:11:52 2016  
Quant Method : Z:\HPCHEM1\BNA G\Methods\8270-BG080116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 01 19:22:14 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.09 min Scan# 894

Delta R.T. -0.03 min

Lab File: BG023877.D

Acq: 24 Aug 2016 6:10

Instrument :

BNA\_G

ClientSampleId :

SB-DUP

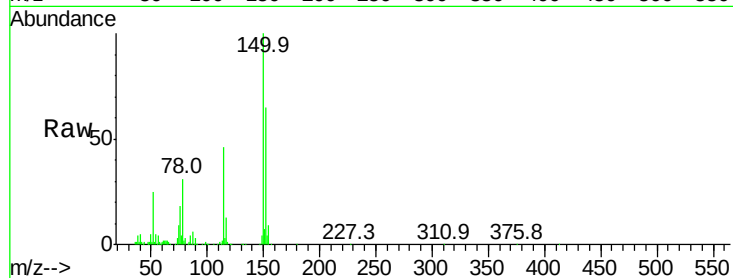
Tot Ion:152 Resp: 98124

Ion Ratio Lower Upper

152 100

150 153.5 144.7 217.1

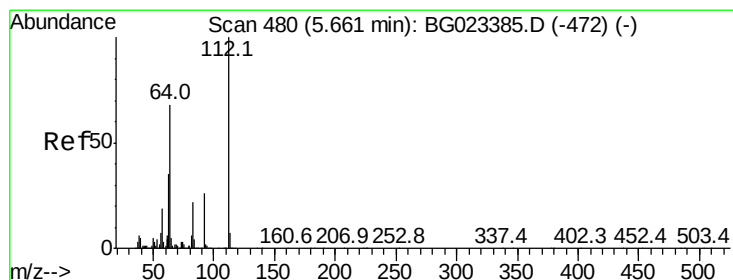
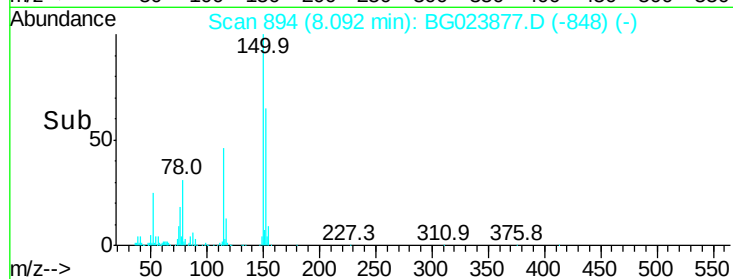
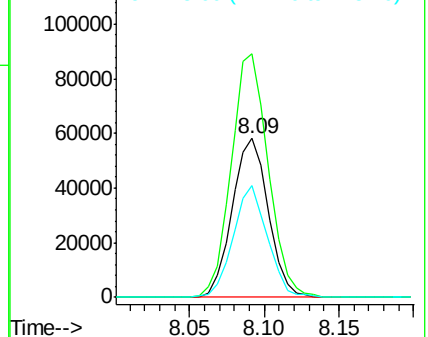
115 70.3 64.0 96.0



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: 150.47 ng

RT: 5.63 min Scan# 475

Delta R.T. -0.03 min

Lab File: BG023877.D

Acq: 24 Aug 2016 6:10

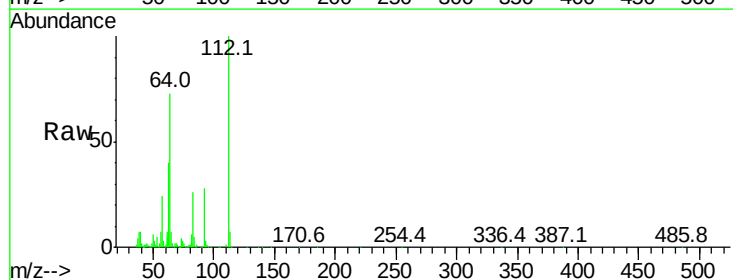
Tgt Ion:112 Resp: 877121

Ion Ratio Lower Upper

112 100

64 73.1 59.0 88.4

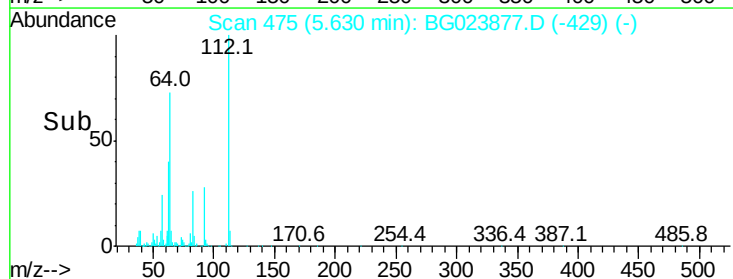
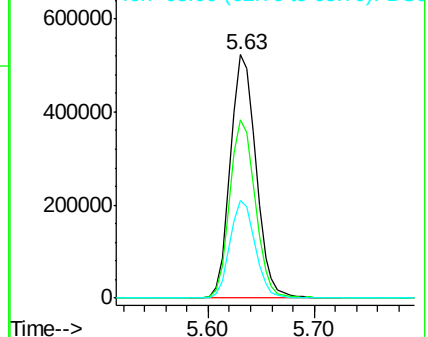
63 40.2 37.8 56.8

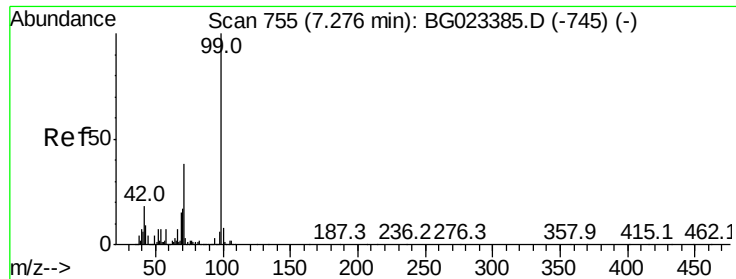


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 140.97 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.02 min

Lab File: BG023877.D

Acq: 24 Aug 2016 6:10

Instrument :

BNA\_G

ClientSampleId :

SB-DUP

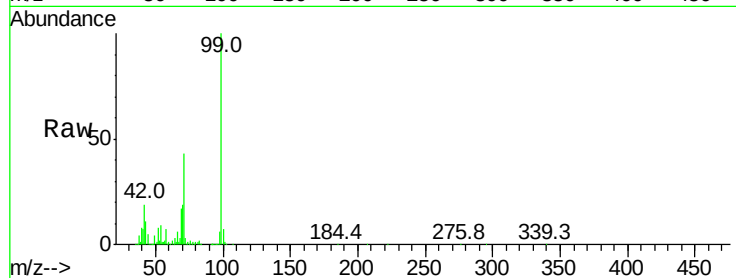
Tot Ion: 99 Resp: 1279934

Ion Ratio Lower Upper

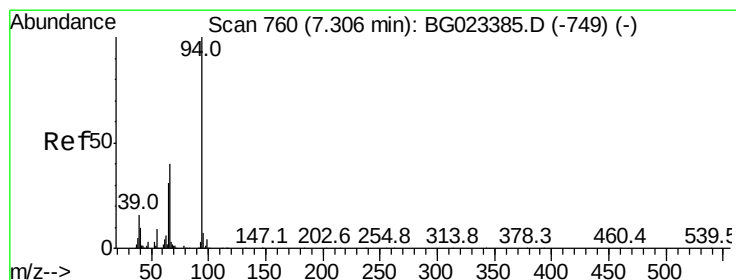
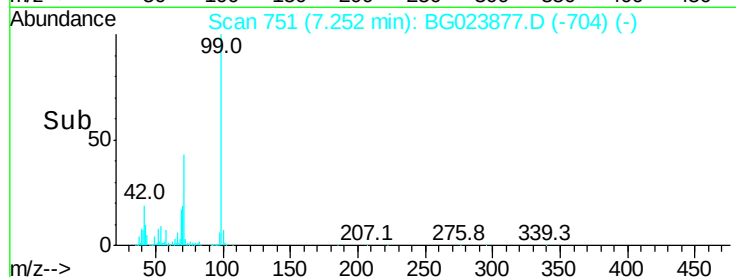
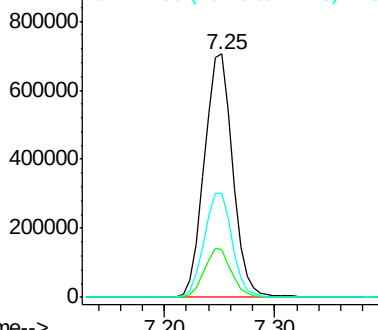
99 100

42 19.5 17.8 26.6

71 42.5 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



#10

Phenol

Concen: 2.64 ng

RT: 7.28 min Scan# 756

Delta R.T. -0.02 min

Lab File: BG023877.D

Acq: 24 Aug 2016 6:10

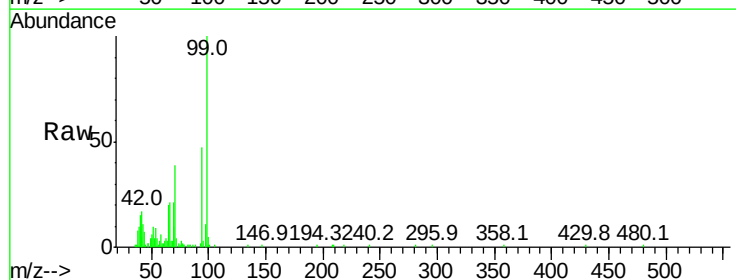
Tgt Ion: 94 Resp: 25662

Ion Ratio Lower Upper

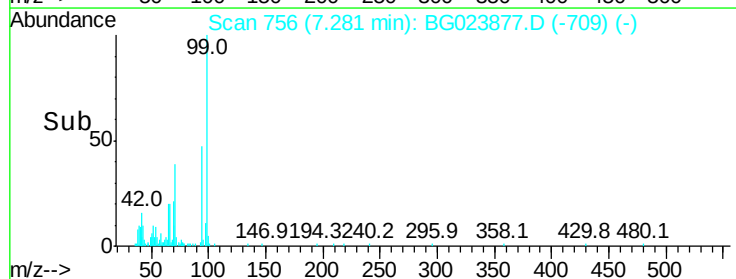
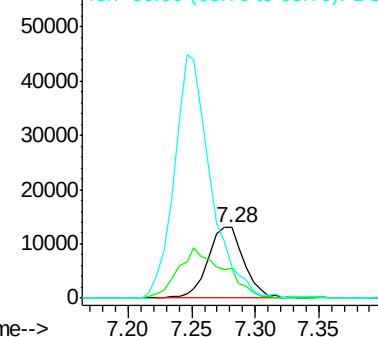
94 100

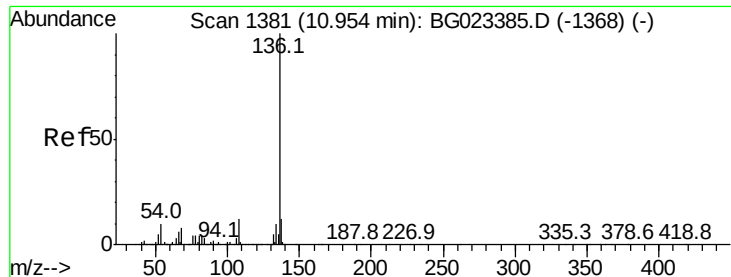
65 43.1 18.1 58.1

66 44.1 42.1 82.1



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.92 min Scan# 1376

Delta R.T. -0.03 min

Lab File: BG023877.D

Acq: 24 Aug 2016 6:10

Instrument :

BNA\_G

ClientSampleId :

SB-DUP

Tot Ion:136 Resp: 422628

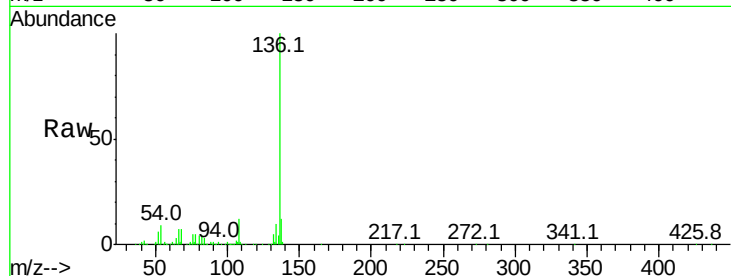
Ion Ratio Lower Upper

136 100

137 12.0 9.6 14.4

54 8.7 7.3 10.9

68 6.7 5.3 7.9

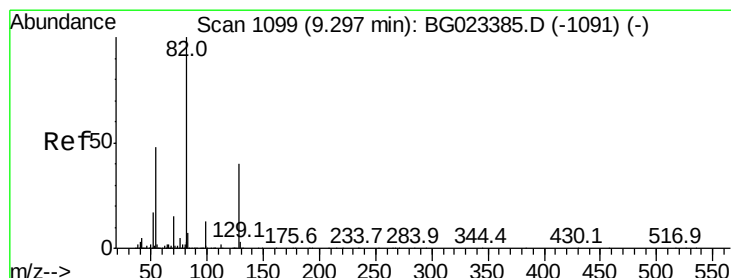
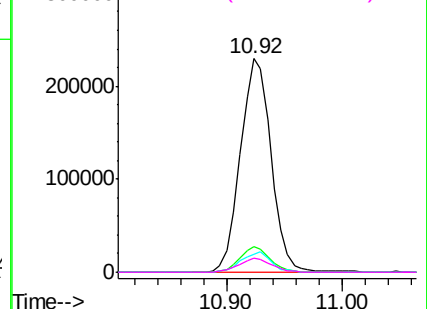
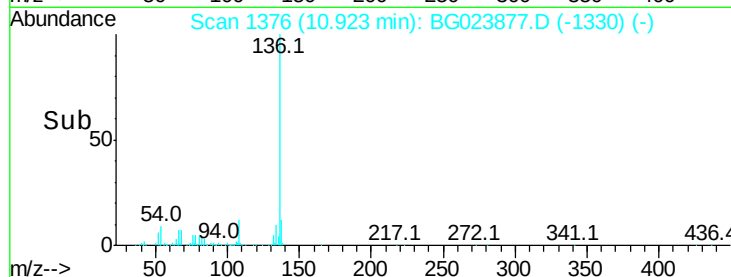


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.84 ng

RT: 9.27 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BG023877.D

Acq: 24 Aug 2016 6:10

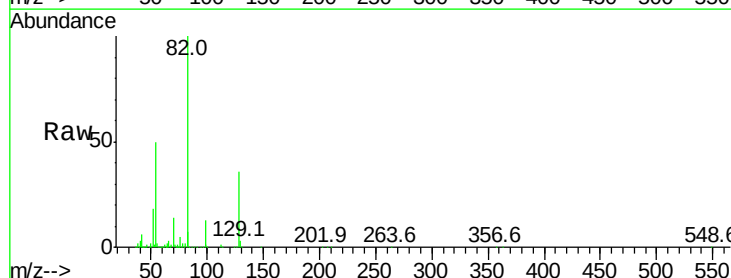
Tgt Ion: 82 Resp: 882746

Ion Ratio Lower Upper

82 100

128 35.6 24.4 36.6

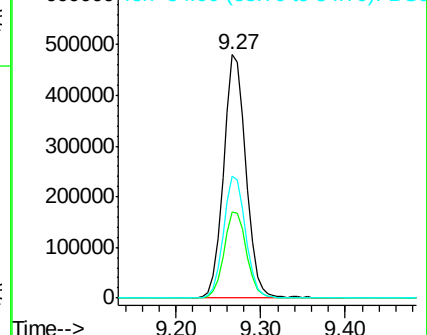
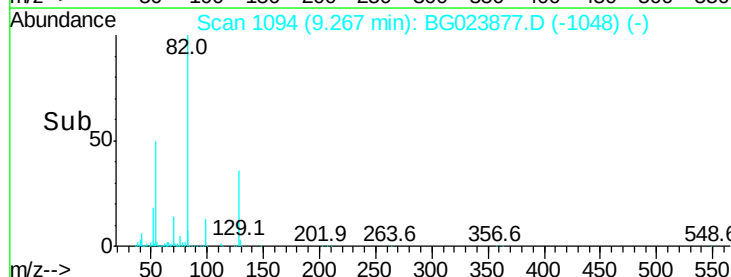
54 49.9 41.4 62.0

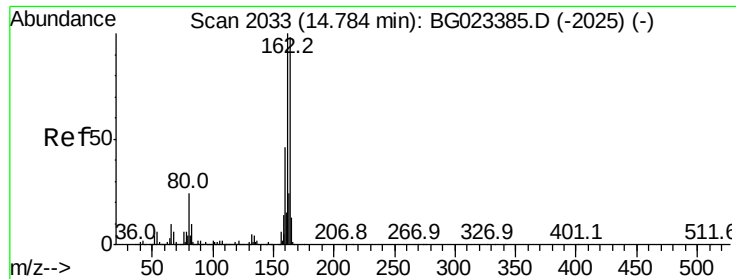


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.76 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BG023877.D

Acq: 24 Aug 2016 6:10

Instrument :

BNA\_G

ClientSampleId :

SB-DUP

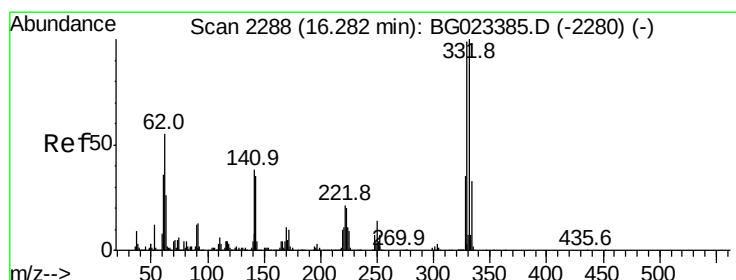
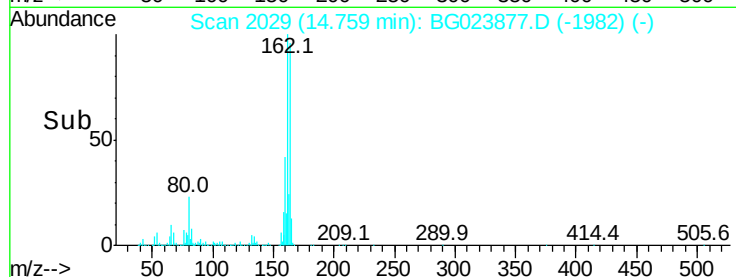
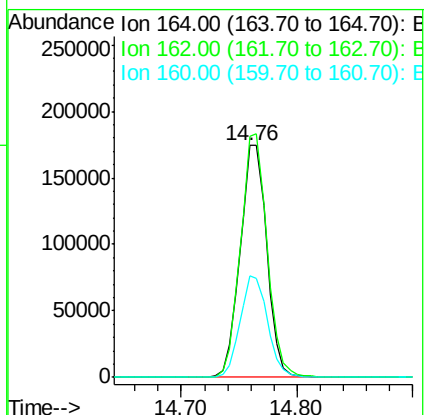
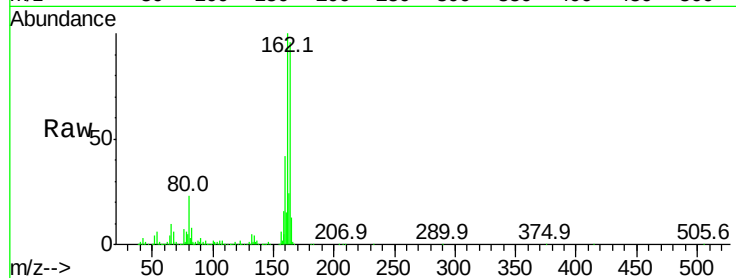
Tot Ion:164 Resp: 279439

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 104.1 | 87.7  | 131.5 |
| 160 | 43.7  | 37.2  | 55.8  |

164 100

162 104.1 87.7 131.5

160 43.7 37.2 55.8



#41

2,4,6-Tribromophenol

Concen: 129.86 ng

RT: 16.26 min Scan# 2285

Delta R.T. -0.02 min

Lab File: BG023877.D

Acq: 24 Aug 2016 6:10

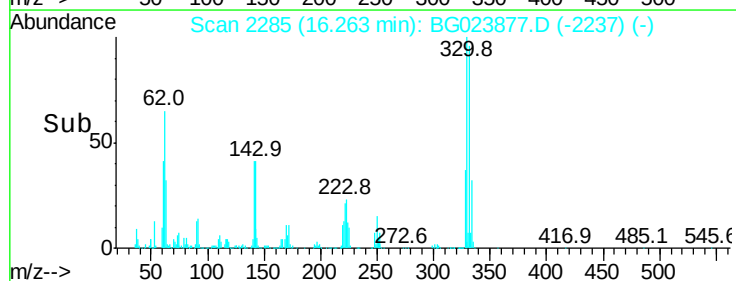
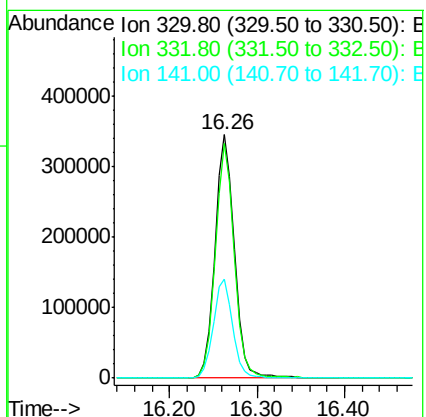
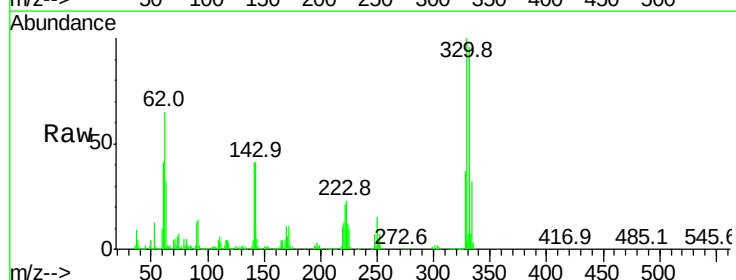
Tgt Ion:330 Resp: 530775

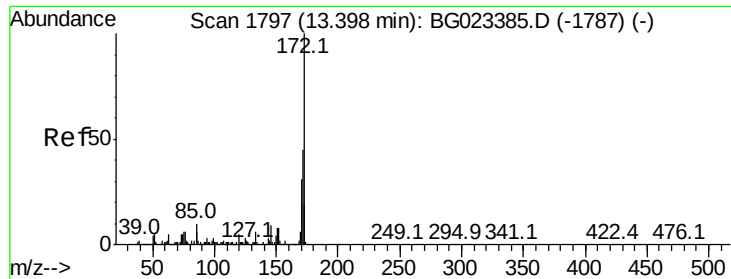
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 94.9  | 77.4  | 116.2 |
| 141 | 40.6  | 31.7  | 47.5  |

330 100

332 94.9 77.4 116.2

141 40.6 31.7 47.5

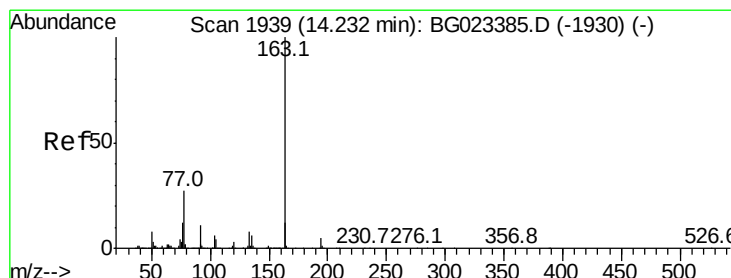
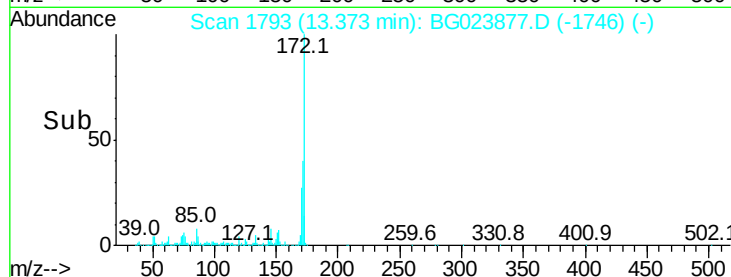
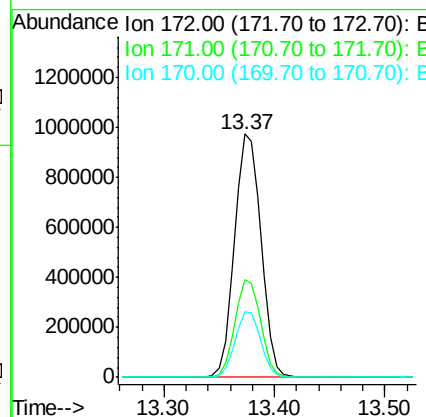
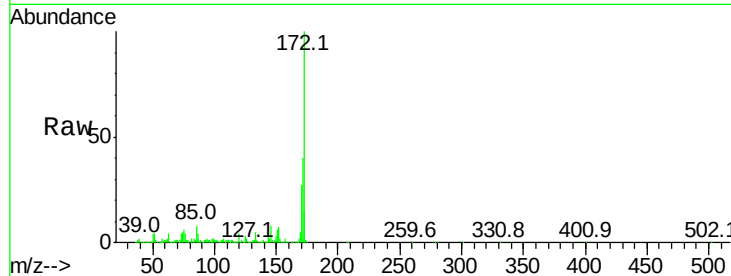




#44  
2-Fluorobiphenyl  
Concen: 99.42 ng  
RT: 13.37 min Scan# 1793  
Delta R.T. -0.02 min  
Lab File: BG023877.D  
Acq: 24 Aug 2016 6:10

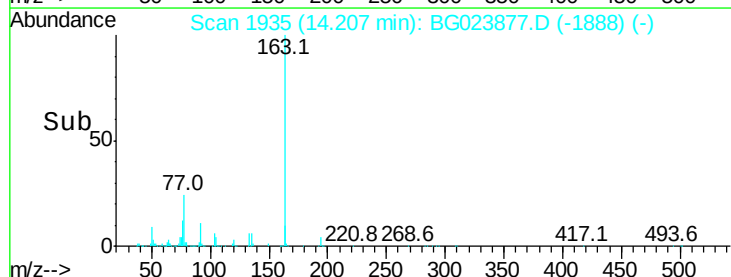
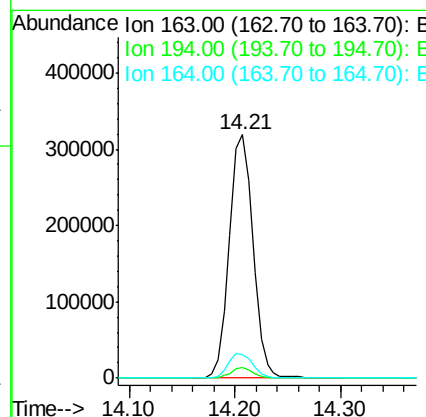
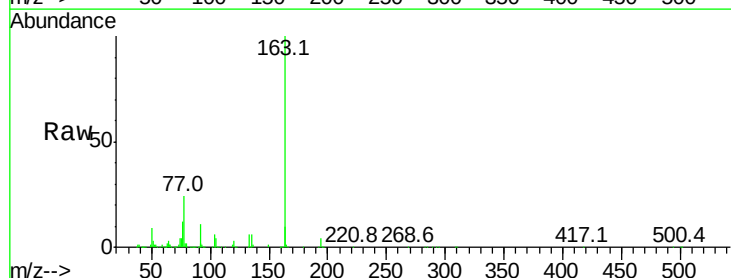
Instrument :  
BNA\_G  
ClientSampleId :  
SB-DUP

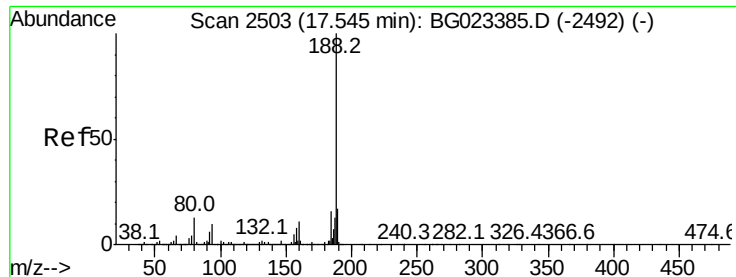
Tot Ion:172 Resp: 1647069  
Ion Ratio Lower Upper  
172 100  
171 40.1 31.6 47.4  
170 26.8 21.3 31.9



#49  
Dimethylphthalate  
Concen: 23.20 ng  
RT: 14.21 min Scan# 1935  
Delta R.T. -0.02 min  
Lab File: BG023877.D  
Acq: 24 Aug 2016 6:10

Tgt Ion:163 Resp: 497495  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.6 5.4  
164 9.8 8.1 12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BG023877.D

Acq: 24 Aug 2016 6:10

Instrument :

BNA\_G

ClientSampleID :

SB-DUP

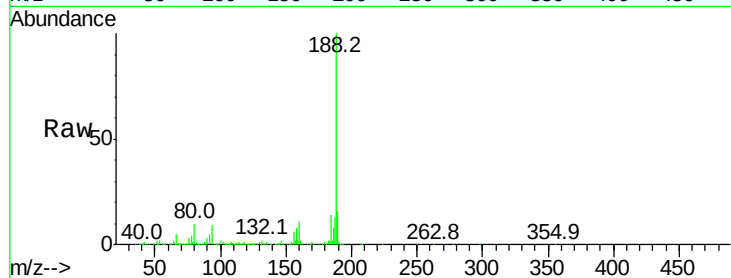
Tot Ion:188 Resp: 665522

Ion Ratio Lower Upper

188 100

94 9.4 5.2 7.8#

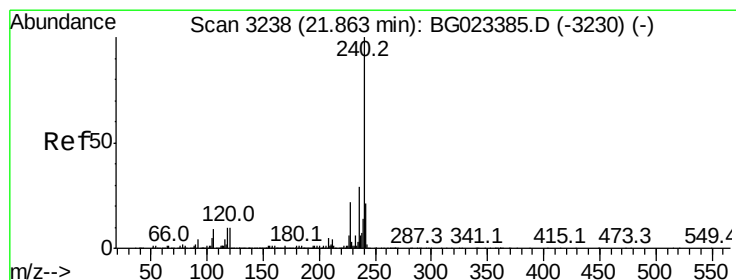
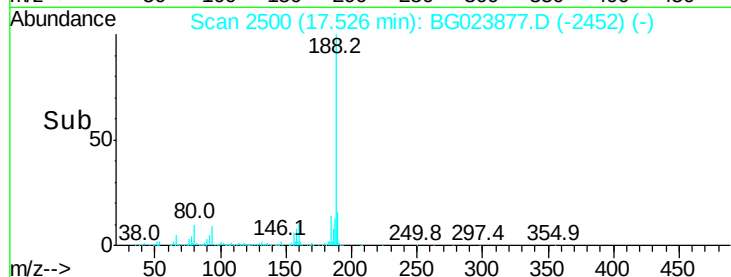
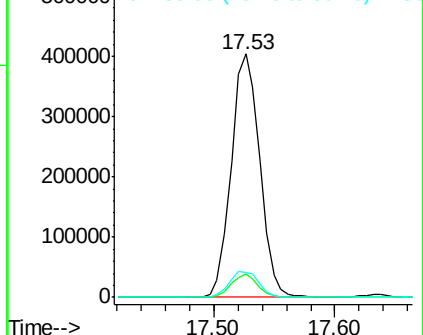
80 10.1 7.2 10.8



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: 21.84 min Scan# 3234

Delta R.T. -0.02 min

Lab File: BG023877.D

Acq: 24 Aug 2016 6:10

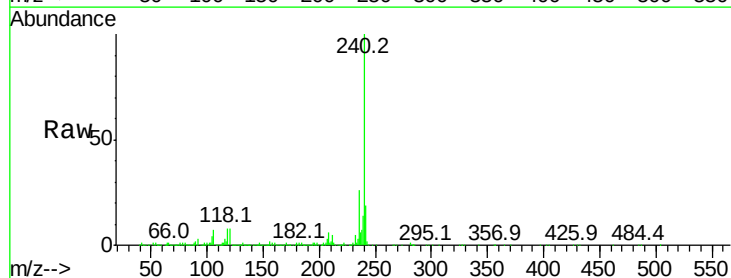
Tgt Ion:240 Resp: 698047

Ion Ratio Lower Upper

240 100

120 8.5 4.1 6.1#

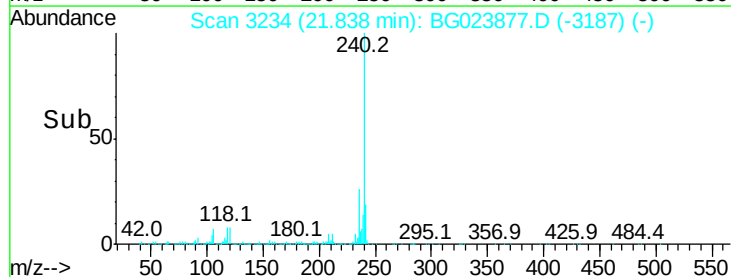
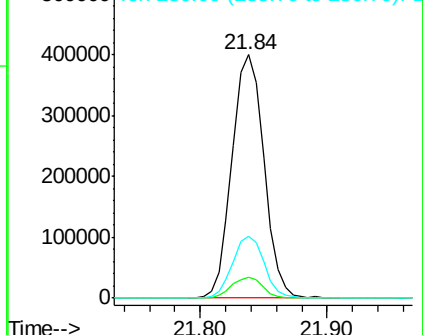
236 25.6 21.1 31.7



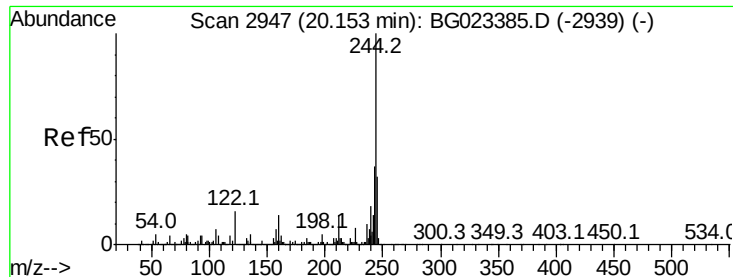
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 100.92 ng

RT: 20.13 min Scan# 2944

Delta R.T. -0.02 min

Lab File: BG023877.D

Acq: 24 Aug 2016 6:10

Instrument :

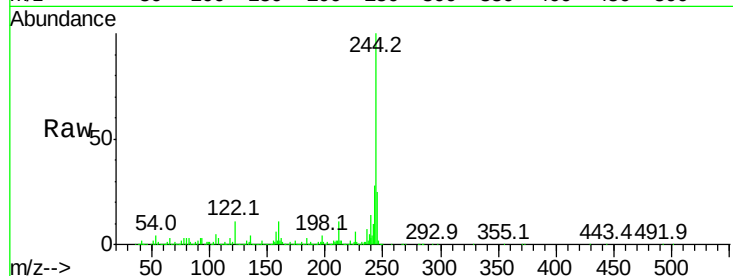
BNA\_G

ClientSampleId :

SB-DUP

Tot Ion:244 Resp: 2171067

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 10.8  | 10.8  | 16.2  |
| 122 | 10.9  | 8.0   | 12.0  |

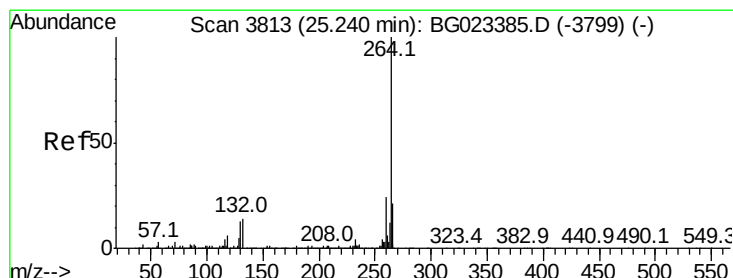
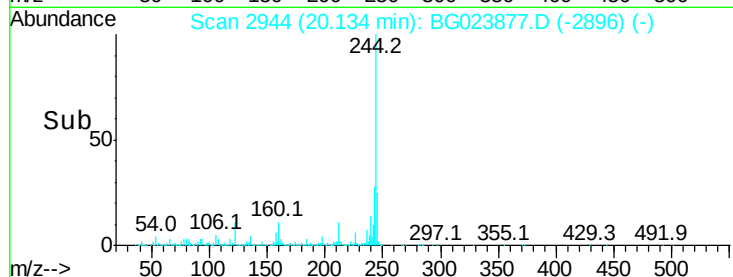
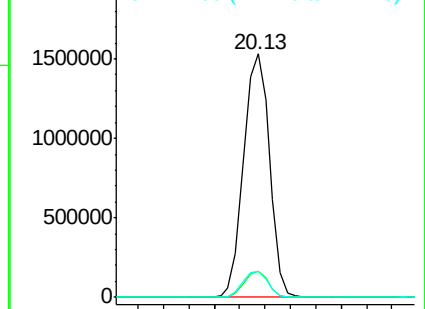


Abundance

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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.22 min Scan# 3809

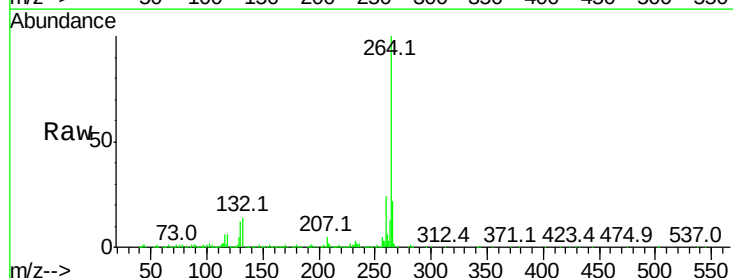
Delta R.T. -0.02 min

Lab File: BG023877.D

Acq: 24 Aug 2016 6:10

Tgt Ion:264 Resp: 690167

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.4  | 27.6  |
| 265 | 22.4  | 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

