

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050515\  
 Data File : BG016883.D  
 Acq On : 6 May 2015 3:13  
 Operator : TP/IZ  
 Sample : G2114-17  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID-6(6-12)

Quant Time: May 06 03:58:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 06 03:35:52 2015  
 Response via : Initial Calibration

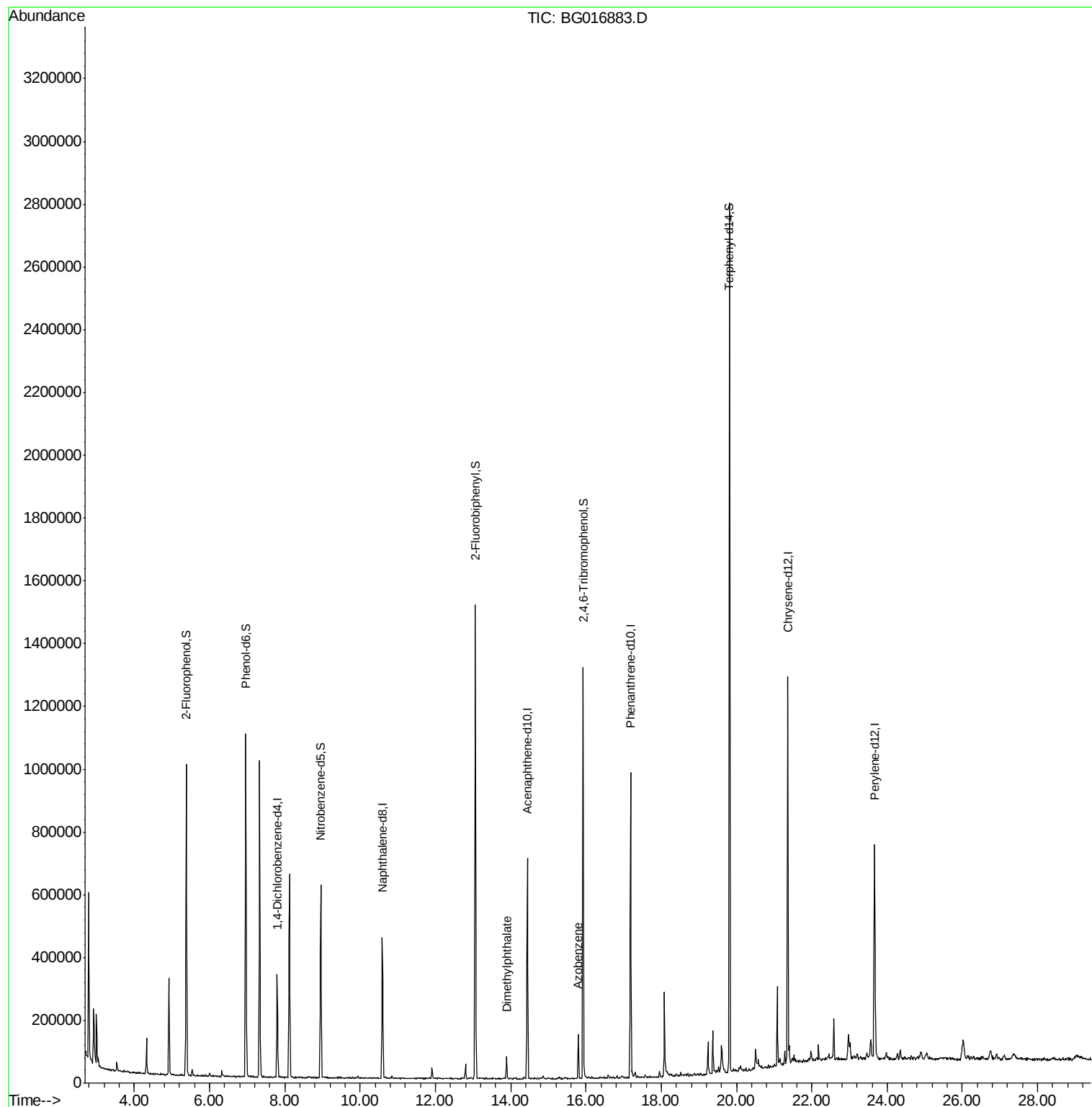
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.80  | 152  | 76472    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.59 | 136  | 332809   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.44 | 164  | 226296   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.19 | 188  | 505655   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12            | 21.36 | 240  | 501892   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12            | 23.67 | 264  | 488190   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 362299   | 82.49     | ng    | 0.00     |
| 7) Phenol-d6                | 6.97  | 99   | 508669   | 81.07     | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.96  | 82   | 318570   | 46.76     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.93 | 330  | 184824   | 81.36     | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.07 | 172  | 678745   | 45.26     | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.81 | 244  | 1064164  | 49.71     | ng    | 0.00     |
| Target Compounds            |       |      |          |           |       |          |
| 32) Benzoic acid            | 9.83  | 122  | 203      | Below Cal | #     | 1        |
| 49) Dimethylphthalate       | 13.89 | 163  | 40248    | 2.38      | ng    | 98       |
| 62) Azobenzene              | 15.80 | 77   | 37548    | 2.03      | ng    | # 1      |

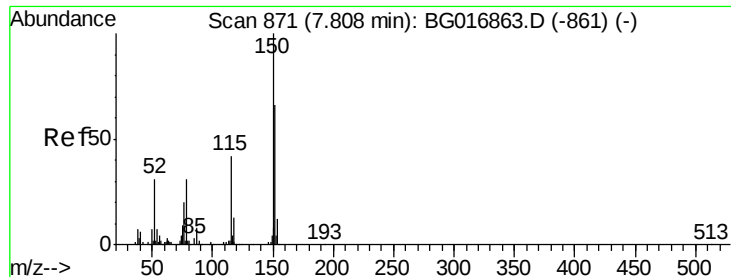
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 03:35:52 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.80 min Scan# 870

Delta R.T. -0.00 min

Lab File: BG016883.D

Acq: 6 May 2015 3:13

Instrument :

BNA\_F

ClientSampleId :

GRID-6(6-12)

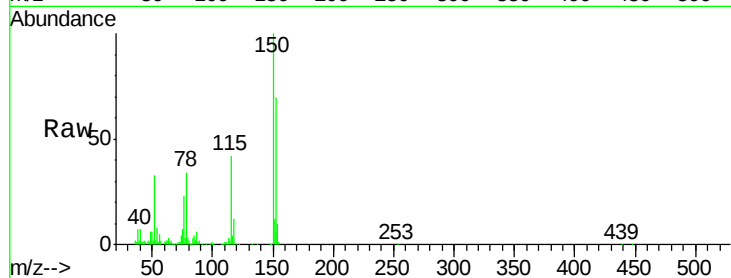
Tgt Ion:152 Resp: 76472

Ion Ratio Lower Upper

152 100

150 142.7 121.0 181.4

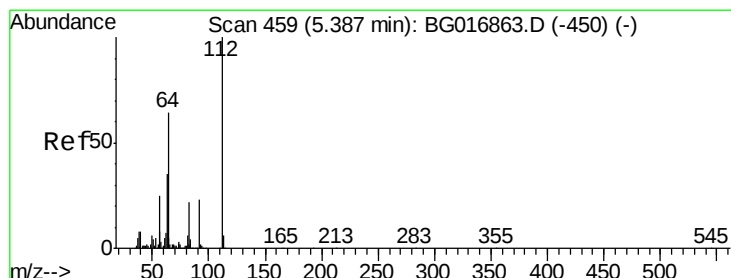
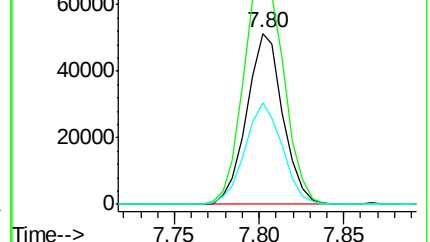
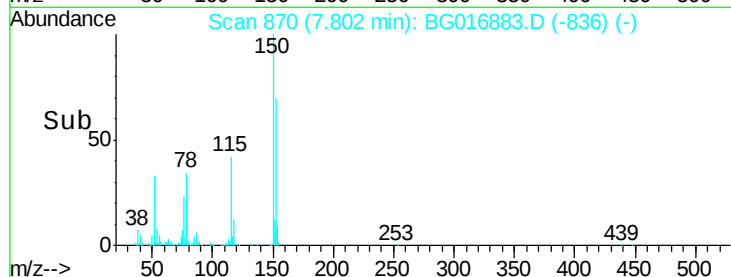
115 59.3 50.5 75.7



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: 82.49 ng

RT: 5.38 min Scan# 458

Delta R.T. -0.00 min

Lab File: BG016883.D

Acq: 6 May 2015 3:13

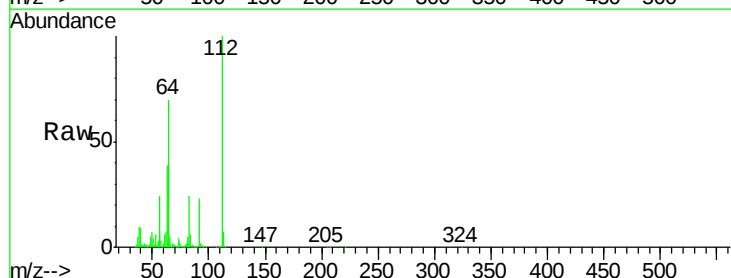
Tgt Ion:112 Resp: 362299

Ion Ratio Lower Upper

112 100

64 70.3 51.4 77.2

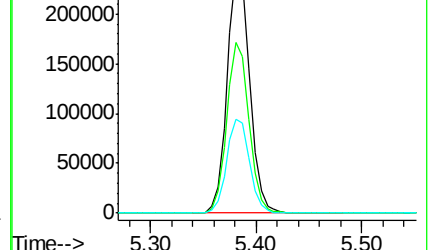
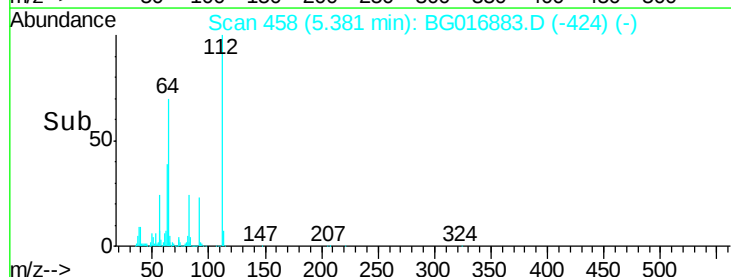
63 38.6 28.1 42.1

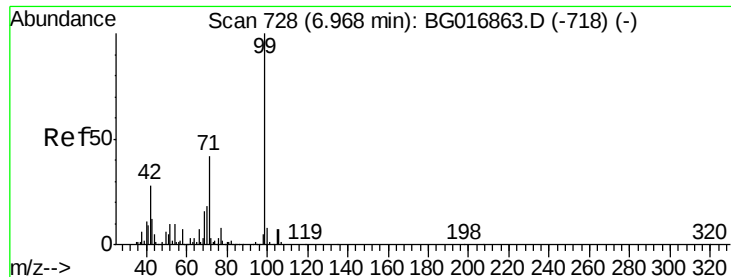


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 81.07 ng

RT: 6.97 min Scan# 728

Delta R.T. 0.00 min

Lab File: BG016883.D

Acq: 6 May 2015 3:13

Instrument :

BNA\_F

ClientSampleId :

GRID-6(6-12)

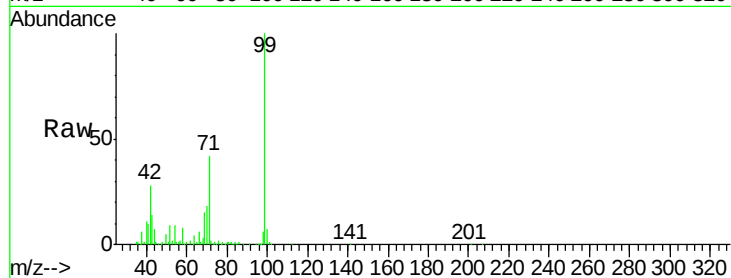
Tgt Ion: 99 Resp: 508669

Ion Ratio Lower Upper

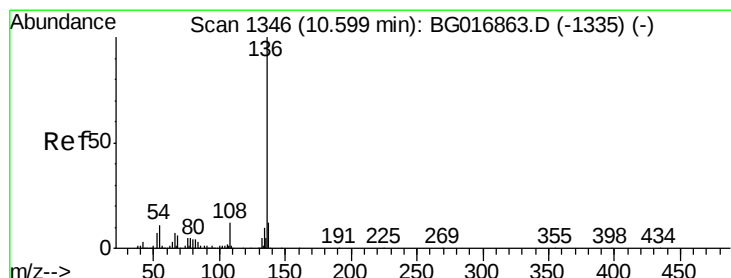
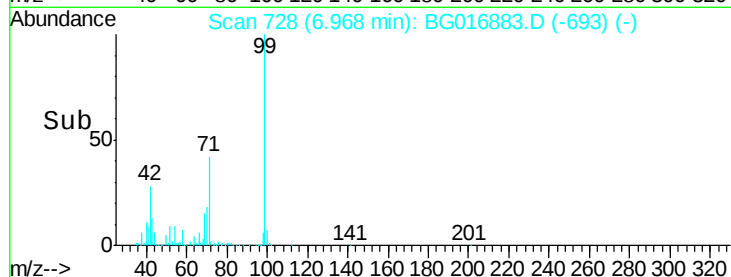
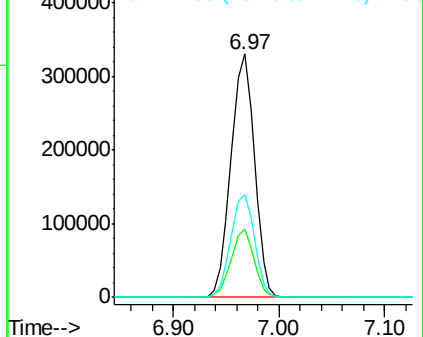
99 100

42 27.9 22.1 33.1

71 42.4 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: 10.59 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BG016883.D

Acq: 6 May 2015 3:13

Tgt Ion: 136 Resp: 332809

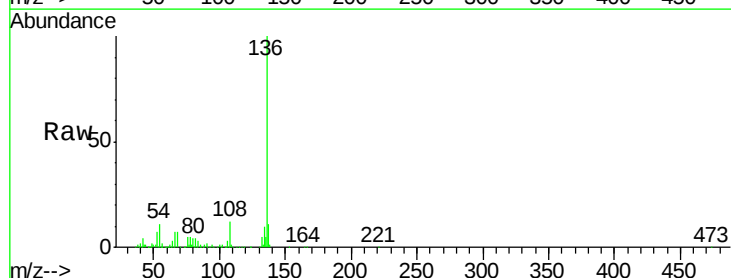
Ion Ratio Lower Upper

136 100

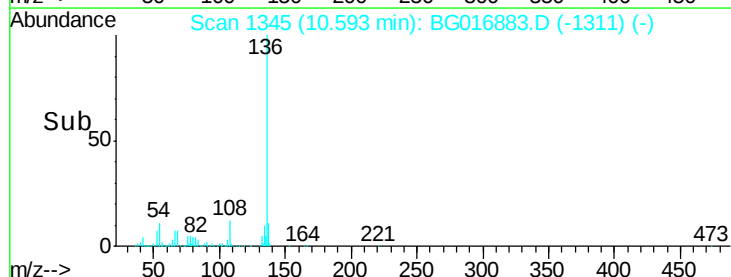
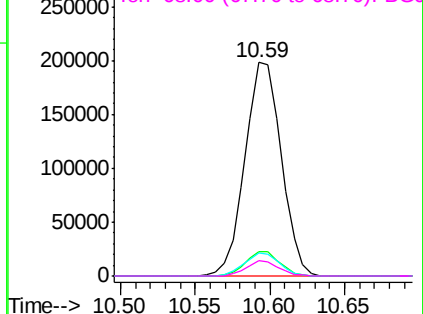
137 11.5 9.8 14.8

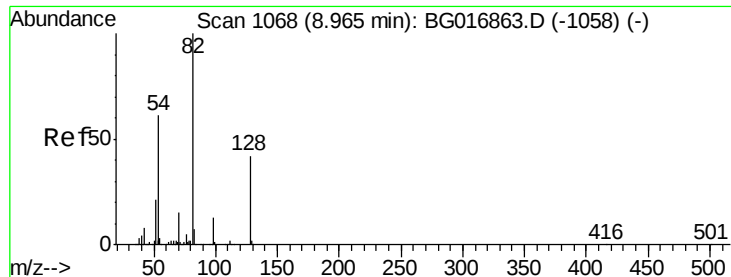
54 10.9 8.7 13.1

68 7.0 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

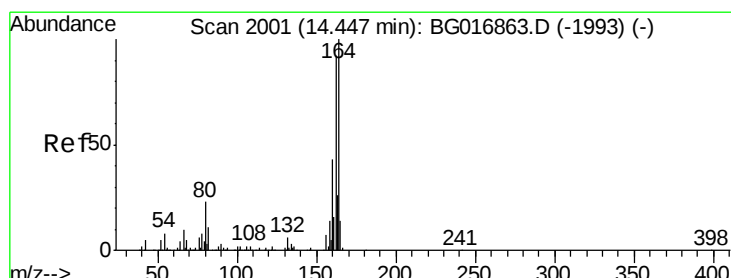
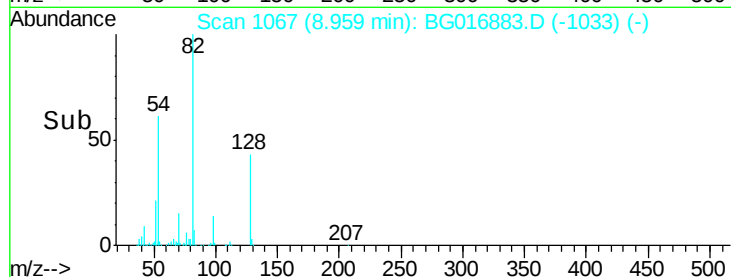
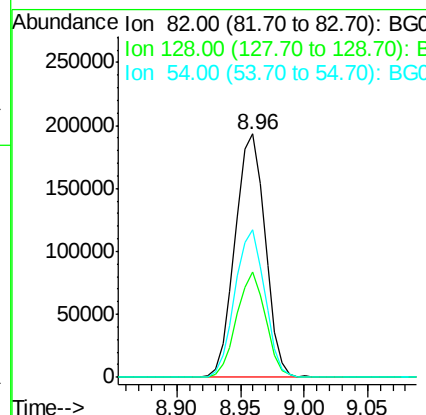
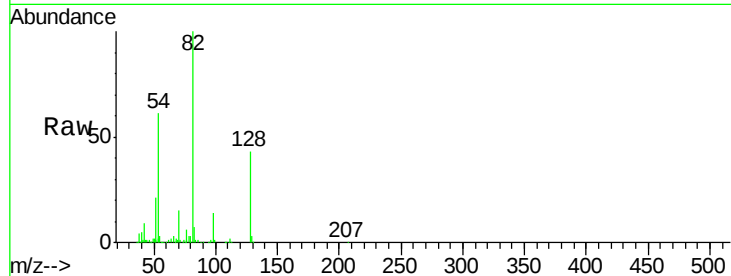




#23  
 Nitrobenzene-d5  
 Concen: 46.76 ng  
 RT: 8.96 min Scan# 1067  
 Delta R.T. -0.00 min  
 Lab File: BG016883.D  
 Acq: 6 May 2015 3:13

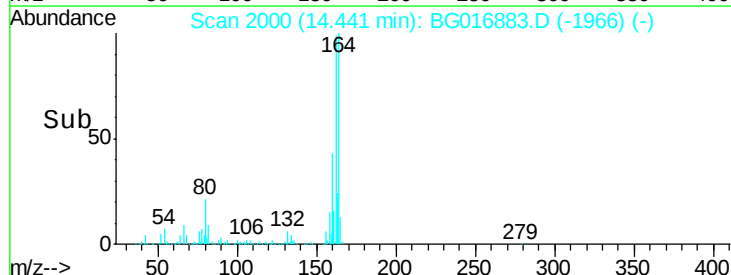
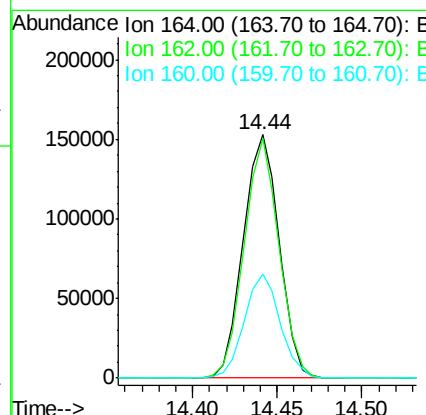
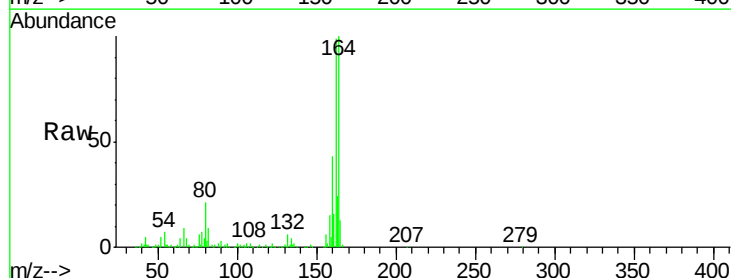
Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID-6(6-12)

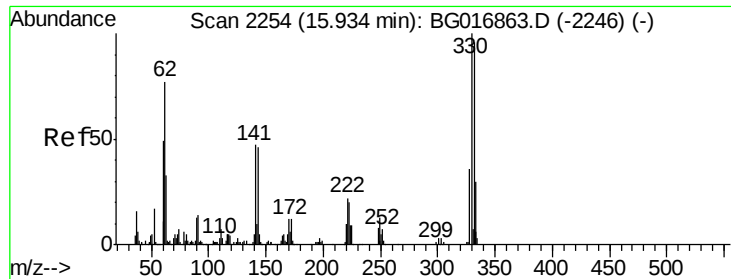
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.2  | 33.2  | 49.8  |
| 54      | 60.6  | 48.6  | 72.8  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.44 min Scan# 2000  
 Delta R.T. -0.00 min  
 Lab File: BG016883.D  
 Acq: 6 May 2015 3:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.7  | 74.0  | 111.0 |
| 160     | 43.0  | 34.7  | 52.1  |

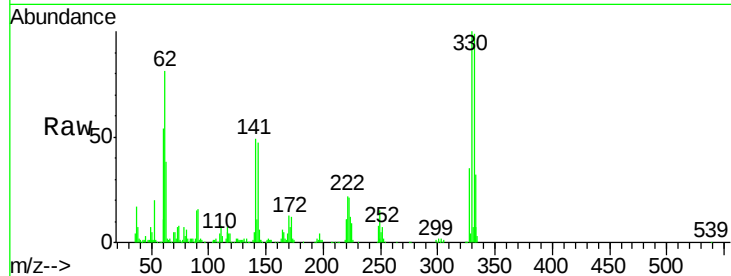




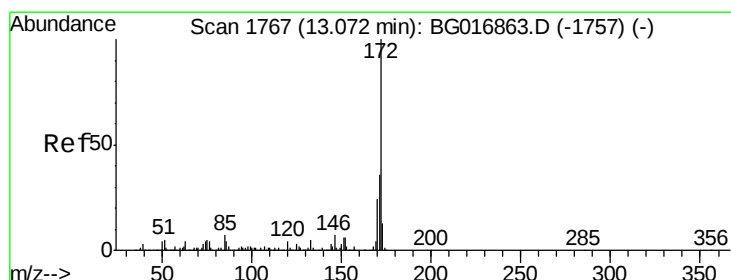
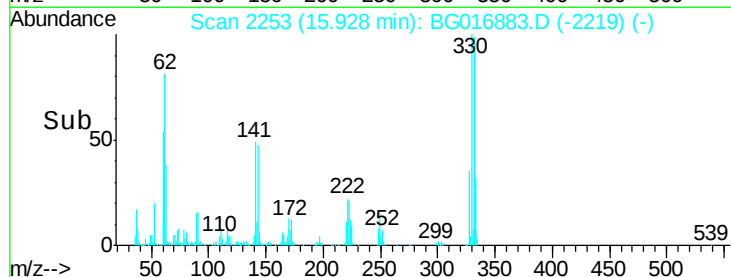
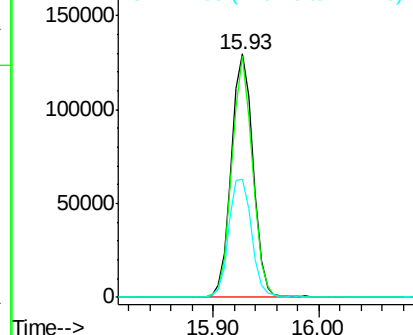
#41  
 2,4,6-Tribromophenol  
 Concen: 81.36 ng  
 RT: 15.93 min Scan# 2253  
 Delta R.T. -0.00 min  
 Lab File: BG016883.D  
 Acq: 6 May 2015 3:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID-6(6-12)

Tgt Ion:330 Resp: 184824  
 Ion Ratio Lower Upper  
 330 100  
 332 93.1 0.0 0.0#  
 141 50.9 0.0 0.0#

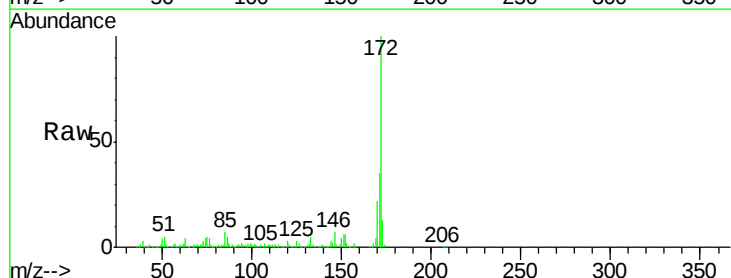


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

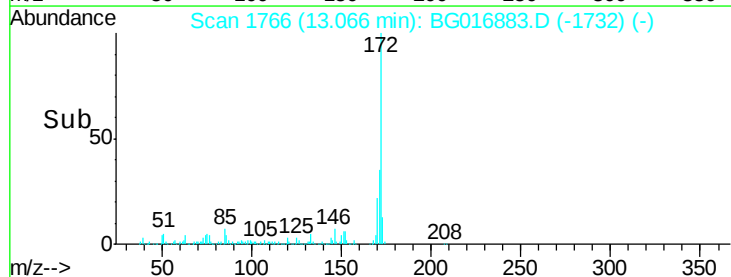
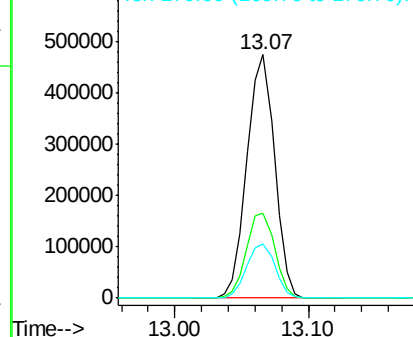


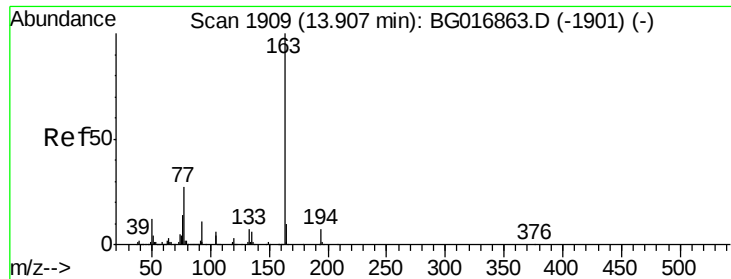
#44  
 2-Fluorobiphenyl  
 Concen: 45.26 ng  
 RT: 13.07 min Scan# 1766  
 Delta R.T. -0.00 min  
 Lab File: BG016883.D  
 Acq: 6 May 2015 3:13

Tgt Ion:172 Resp: 678745  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 29.0 43.4  
 170 22.1 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

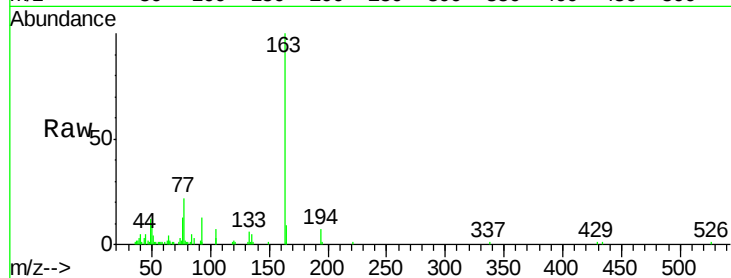




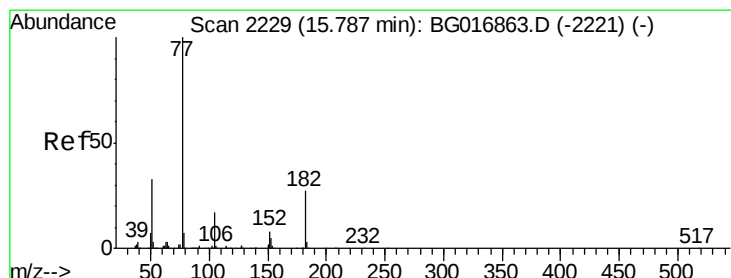
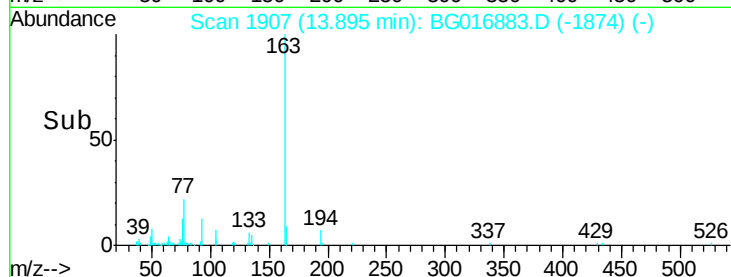
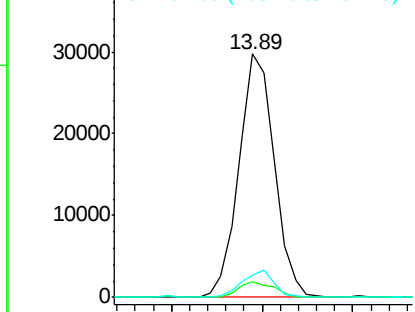
#49  
Dimethylphthalate  
Concen: 2.38 ng  
RT: 13.89 min Scan# 1907  
Delta R.T. -0.01 min  
Lab File: BG016883.D  
Acq: 6 May 2015 3:13

Instrument :  
BNA\_F  
ClientSampleId :  
GRID-6(6-12)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 6.7   | 5.2   | 7.8   |
| 164     | 9.2   | 8.4   | 12.6  |

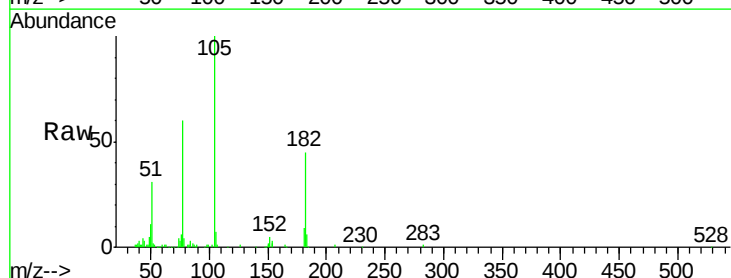


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

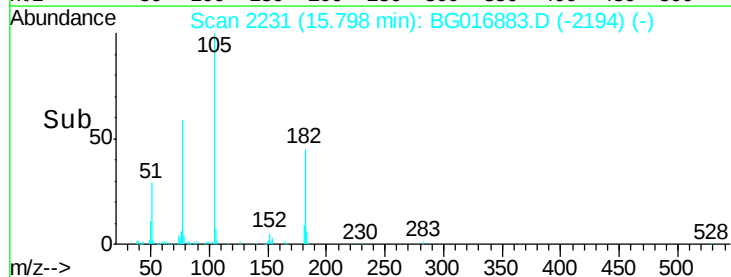
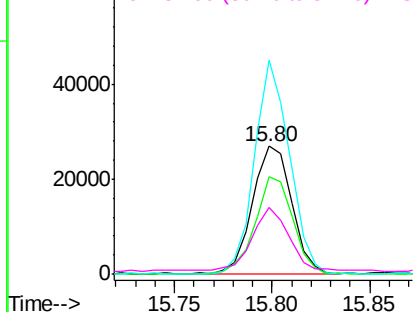


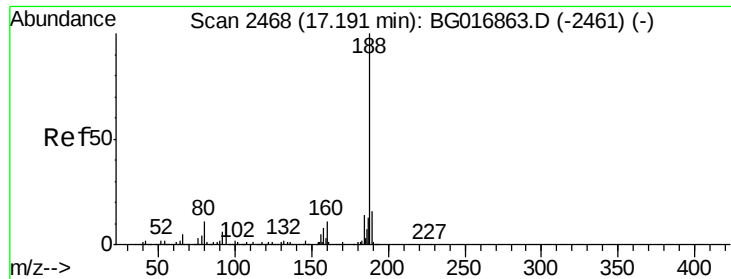
#62  
Azobenzene  
Concen: 2.03 ng  
RT: 15.80 min Scan# 2231  
Delta R.T. 0.01 min  
Lab File: BG016883.D  
Acq: 6 May 2015 3:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 76.0  | 7.4   | 47.4# |
| 105     | 167.3 | 0.0   | 36.6# |
| 51      | 51.8  | 13.4  | 53.4  |



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.19 min Scan# 2467

Delta R.T. -0.00 min

Lab File: BG016883.D

Acq: 6 May 2015 3:13

Instrument :

BNA\_F

ClientSampleId :

GRID-6(6-12)

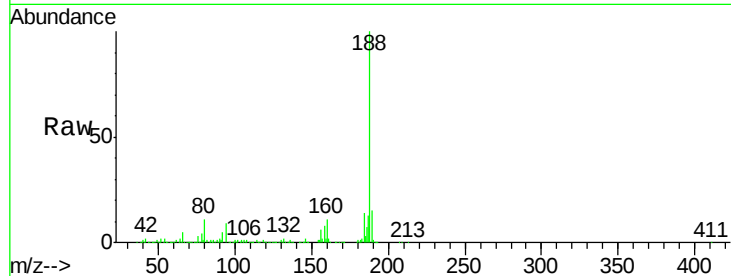
Tgt Ion:188 Resp: 505655

Ion Ratio Lower Upper

188 100

94 9.3 8.2 12.4

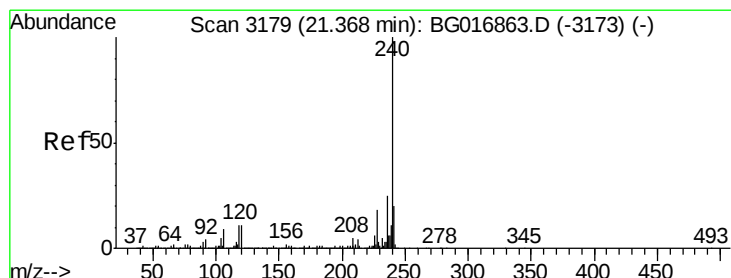
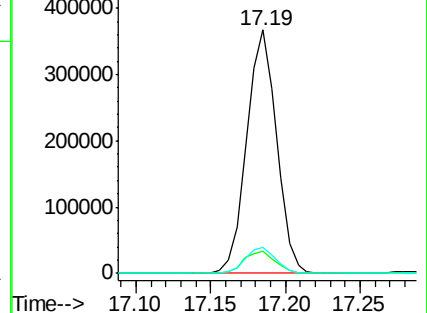
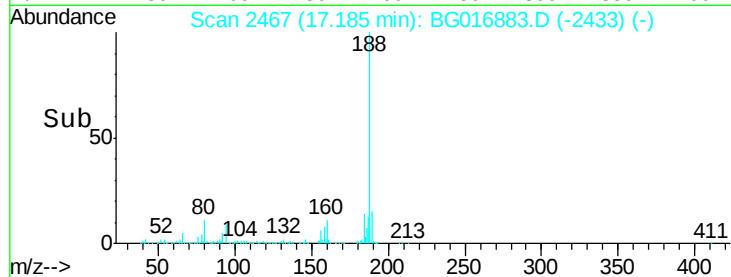
80 10.7 8.8 13.2



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: 21.36 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BG016883.D

Acq: 6 May 2015 3:13

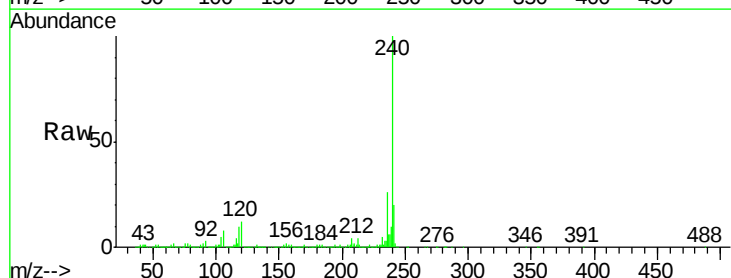
Tgt Ion:240 Resp: 501892

Ion Ratio Lower Upper

240 100

120 11.6 9.1 13.7

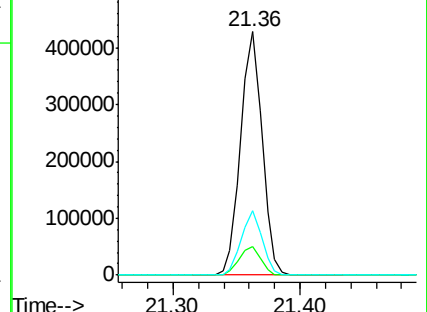
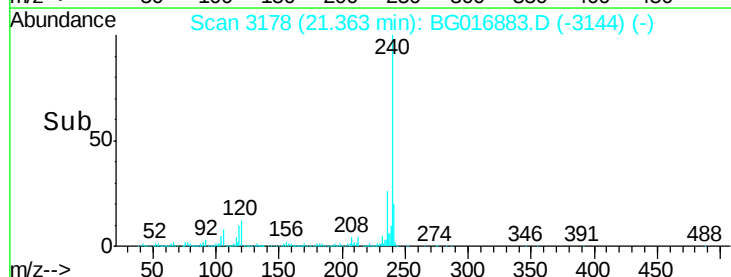
236 26.2 20.2 30.4

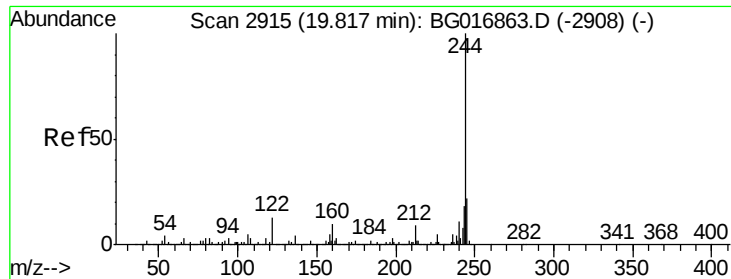


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 49.71 ng

RT: 19.81 min Scan# 2914

Delta R.T. -0.00 min

Lab File: BG016883.D

Acq: 6 May 2015 3:13

Instrument :

BNA\_F

ClientSampleId :

GRID-6(6-12)

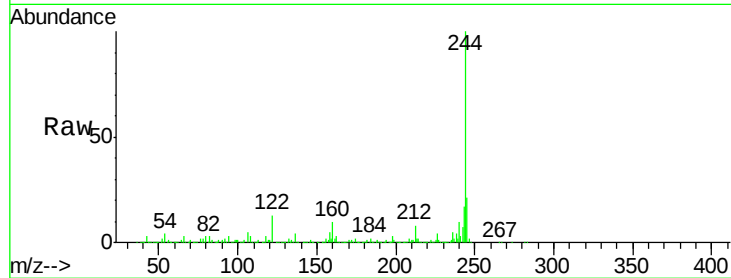
Tgt Ion:244 Resp: 1064164

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.6

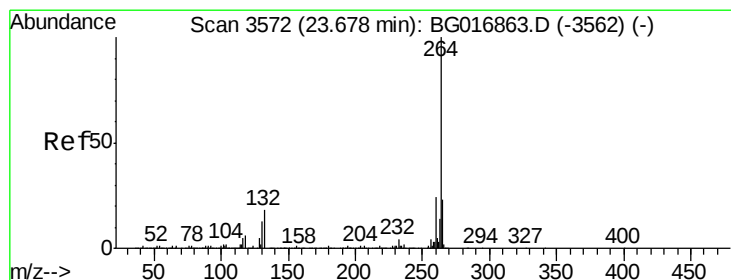
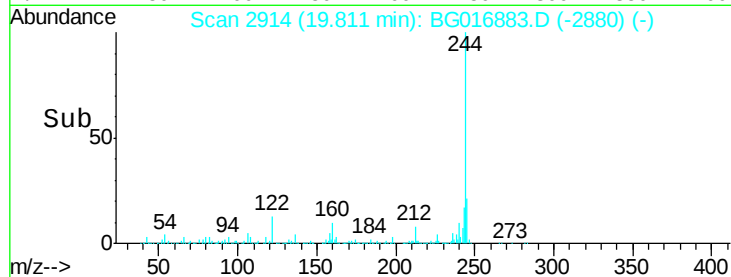
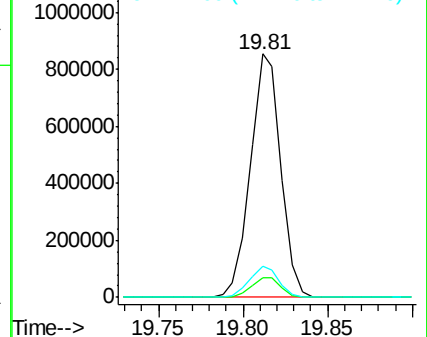
122 12.6 10.4 15.6



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: 23.67 min Scan# 3570

Delta R.T. -0.00 min

Lab File: BG016883.D

Acq: 6 May 2015 3:13

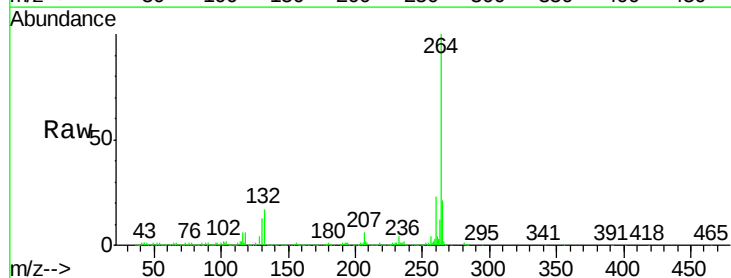
Tgt Ion:264 Resp: 488190

Ion Ratio Lower Upper

264 100

260 22.5 19.5 29.3

265 20.9 18.5 27.7



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

