

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041416\  
 Data File : BG021689.D  
 Acq On : 15 Apr 2016 15:57  
 Operator : UM/SJ  
 Sample : H2376-02  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EFF-WW

Quant Time: Apr 15 16:39:02 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 13 15:48:13 2016  
 Response via : Initial Calibration

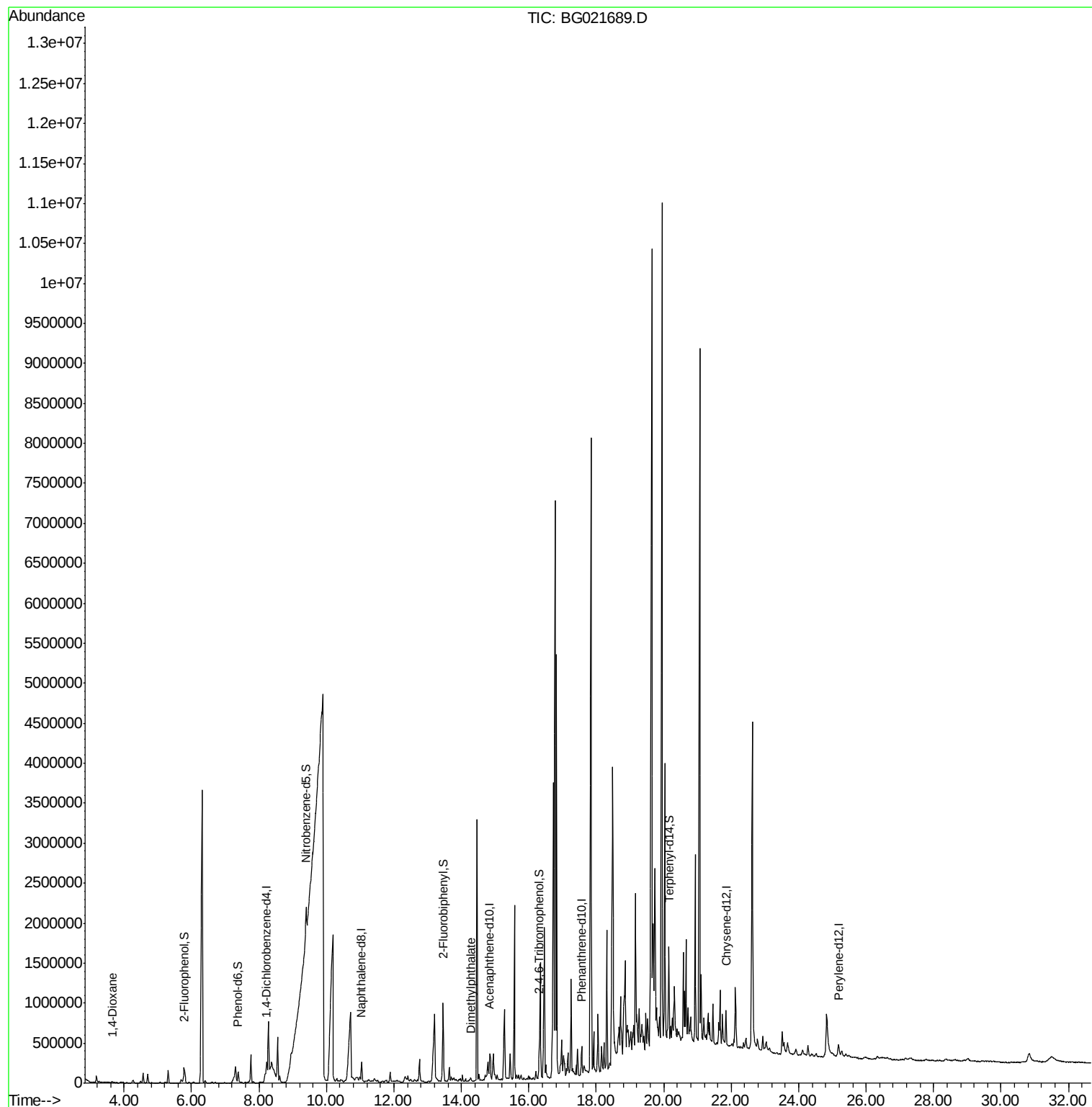
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.23  | 152  | 44871    | 20.00 | ng    | 0.00        |
| 21) Naphthalene-d8          | 11.05 | 136  | 184084   | 20.00 | ng    | 0.00        |
| 38) Acenaphthene-d10        | 14.84 | 164  | 102823   | 20.00 | ng    | 0.00        |
| 63) Phenanthrene-d10        | 17.57 | 188  | 213340   | 20.00 | ng    | 0.00        |
| 75) Chrysene-d12            | 21.84 | 240  | 238926   | 20.00 | ng    | 0.00        |
| 86) Perylene-d12            | 25.18 | 264  | 185810   | 20.00 | ng    | 0.02        |
| System Monitoring Compounds |       |      |          |       |       |             |
| 5) 2-Fluorophenol           | 5.79  | 112  | 81858    | 30.38 | ng    | 0.03        |
| 7) Phenol-d6                | 7.38  | 99   | 75055    | 18.65 | ng    | 0.02        |
| 23) Nitrobenzene-d5         | 9.39  | 82   | 250039   | 69.82 | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 16.31 | 330  | 88968    | 80.28 | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 13.46 | 172  | 468064   | 66.70 | ng    | 0.00        |
| 78) Terphenyl-d14           | 20.15 | 244  | 442238   | 46.18 | ng    | 0.00        |
| Target Compounds            |       |      |          |       |       |             |
| 2) 1,4-Dioxane              | 3.64  | 88   | 9633     | 8.03  | ng    | Qvalue # 76 |
| 49) Dimethylphthalate       | 14.28 | 163  | 27604    | 3.10  | ng    | 98          |

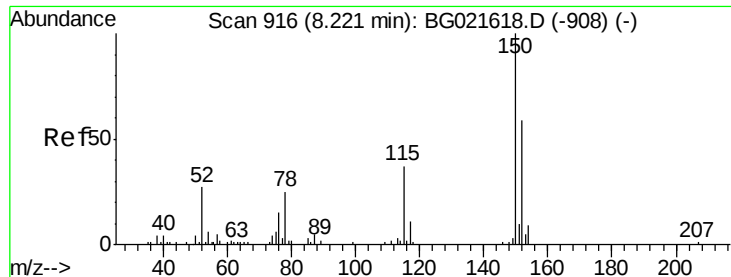
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041416\  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.23 min Scan# 917

Delta R.T. 0.00 min

Lab File: BG021689.D

Acq: 15 Apr 2016 15:57

Instrument :

BNA\_G

ClientSampleId :

EFF-WW

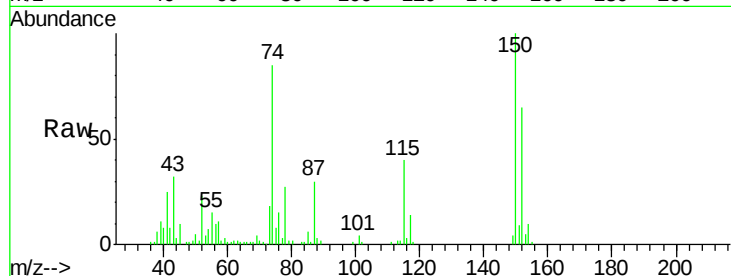
Tgt Ion:152 Resp: 44871

Ion Ratio Lower Upper

152 100

150 154.2 130.1 195.1

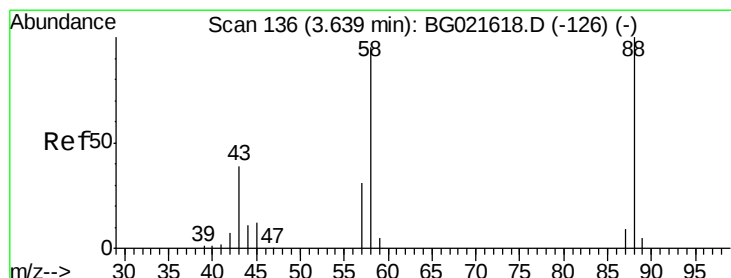
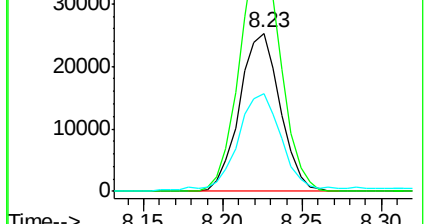
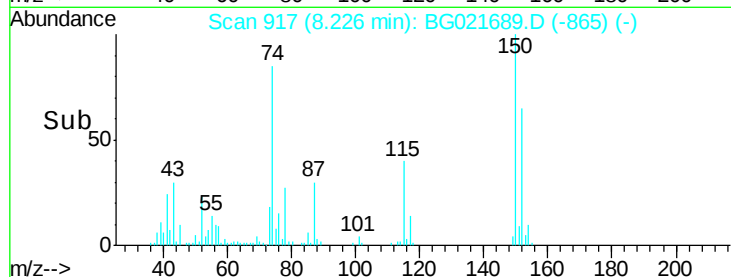
115 61.9 62.2 93.2#



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: 8.03 ng

RT: 3.64 min Scan# 137

Delta R.T. 0.00 min

Lab File: BG021689.D

Acq: 15 Apr 2016 15:57

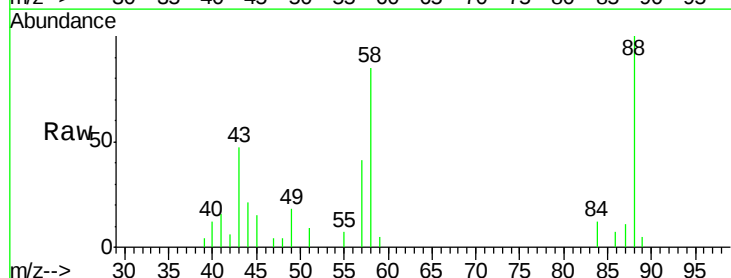
Tgt Ion: 88 Resp: 9633

Ion Ratio Lower Upper

88 100

58 97.1 61.8 92.8#

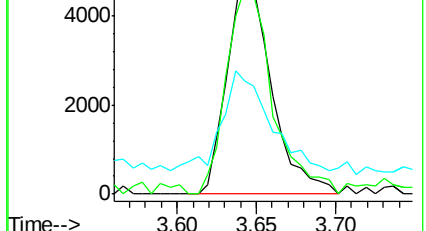
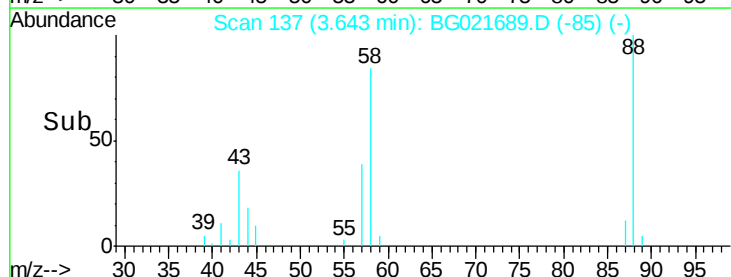
43 49.3 27.3 40.9#

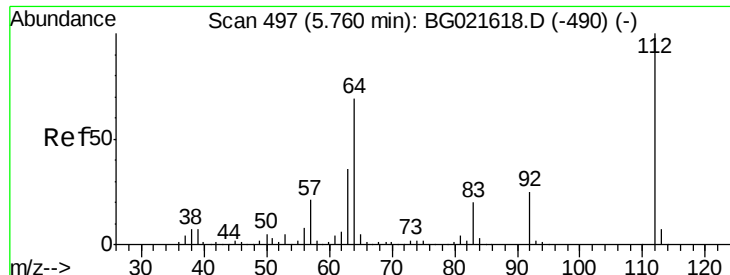


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 30.38 ng

RT: 5.79 min Scan# 502

Delta R.T. 0.03 min

Lab File: BG021689.D

Acq: 15 Apr 2016 15:57

Instrument :

BNA\_G

ClientSampleId :

EFF-WW

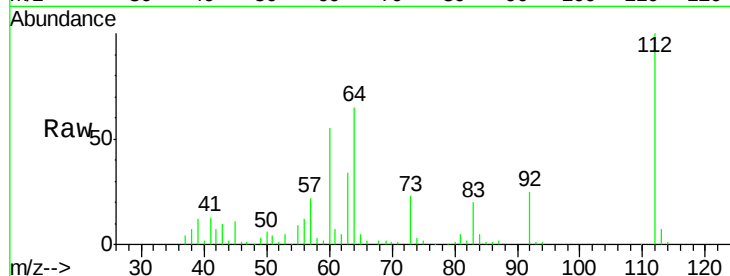
Tgt Ion:112 Resp: 81858

Ion Ratio Lower Upper

112 100

64 65.3 51.1 76.7

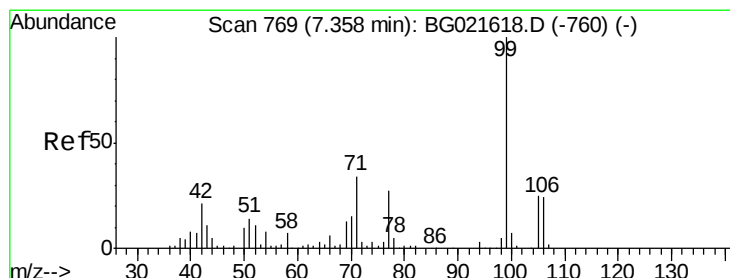
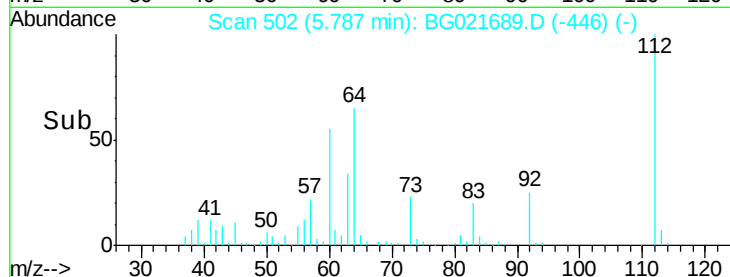
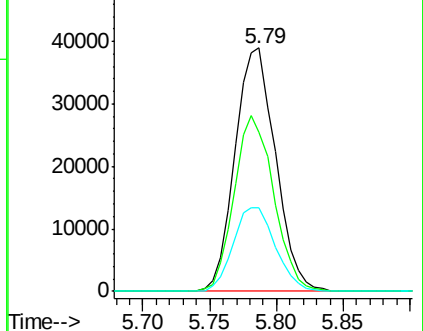
63 34.3 24.6 37.0



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: 18.65 ng

RT: 7.38 min Scan# 773

Delta R.T. 0.02 min

Lab File: BG021689.D

Acq: 15 Apr 2016 15:57

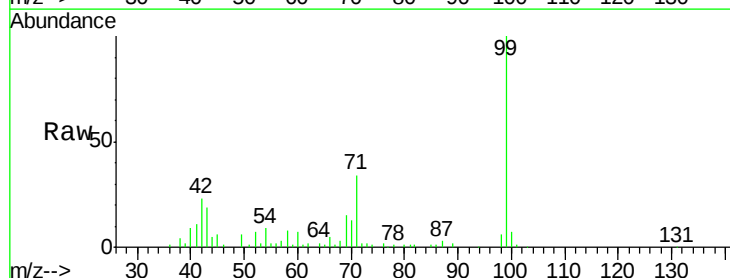
Tgt Ion: 99 Resp: 75055

Ion Ratio Lower Upper

99 100

42 23.1 16.4 24.6

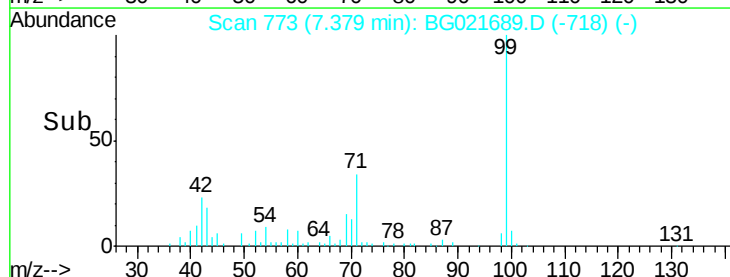
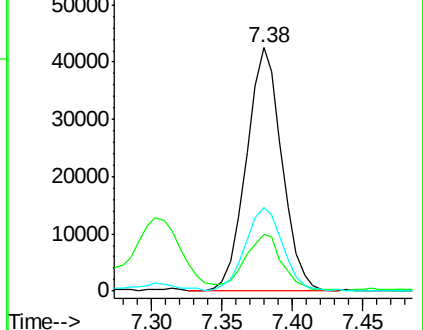
71 34.3 25.0 37.4

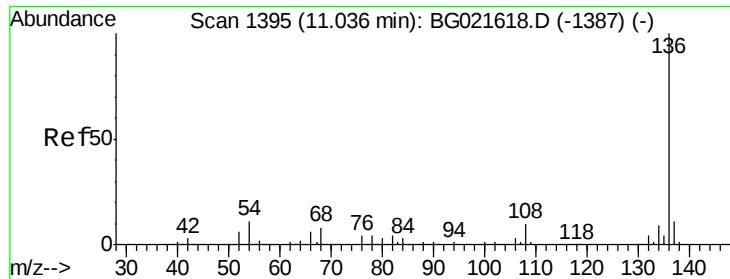


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

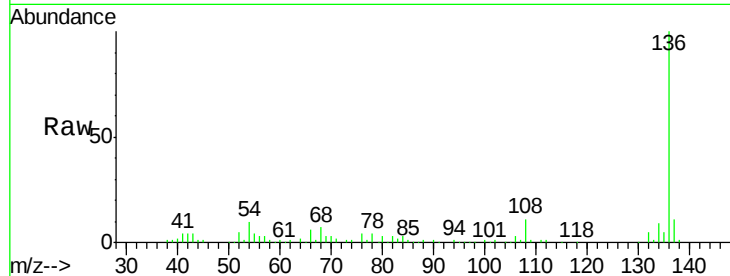




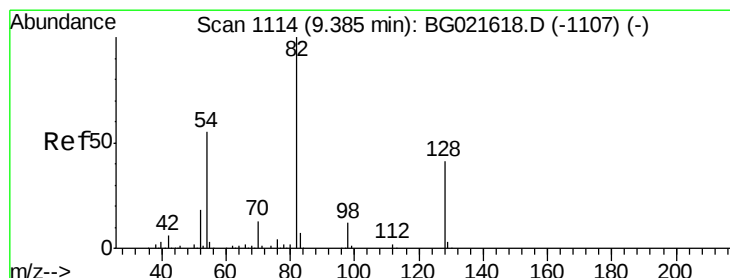
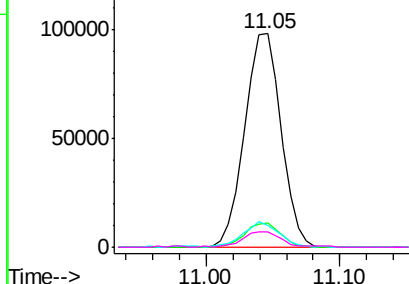
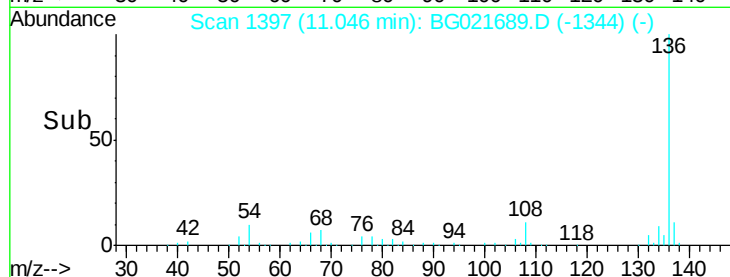
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.05 min Scan# 1397  
Delta R.T. 0.01 min  
Lab File: BG021689.D  
Acq: 15 Apr 2016 15:57

Instrument :  
BNA\_G  
ClientSampleId :  
EFF-WW

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 184084 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 9.0   | 13.4   |
| 54       | 10.5  | 9.6   | 14.4   |
| 68       | 6.9   | 6.4   | 9.6    |

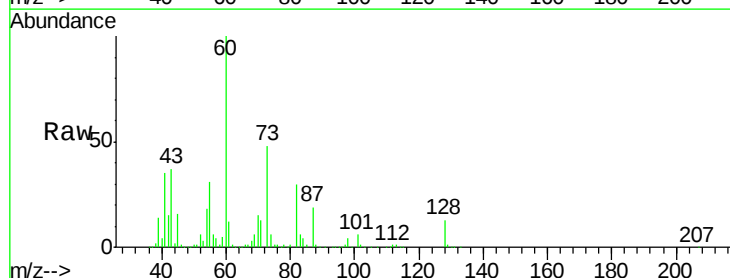


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

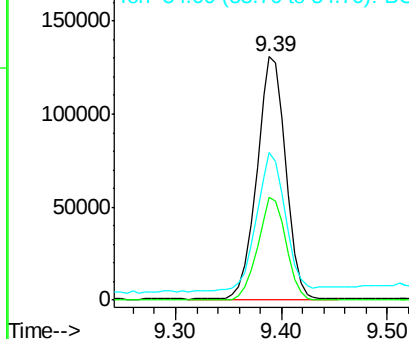
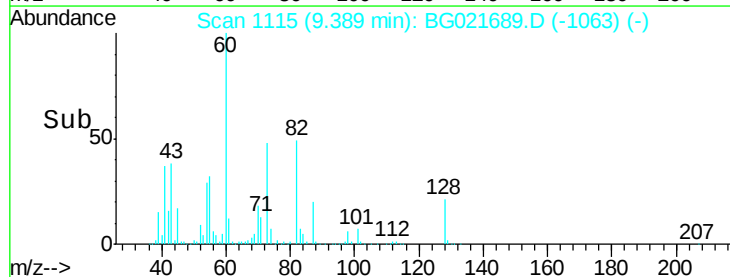


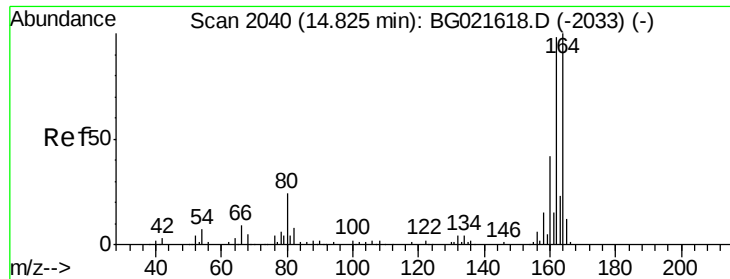
#23  
Nitrobenzene-d5  
Concen: 69.82 ng  
RT: 9.39 min Scan# 1115  
Delta R.T. 0.00 min  
Lab File: BG021689.D  
Acq: 15 Apr 2016 15:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 250039 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.2  | 33.4  | 50.0   |
| 54       | 60.8  | 46.1  | 69.1   |



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

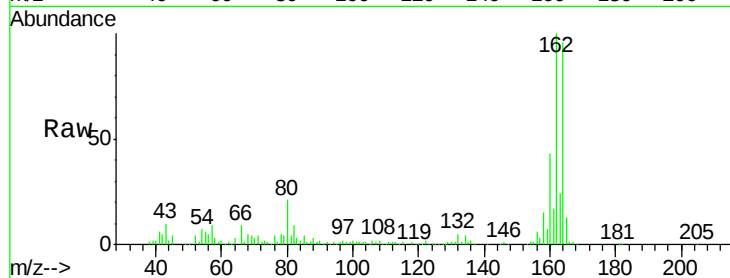




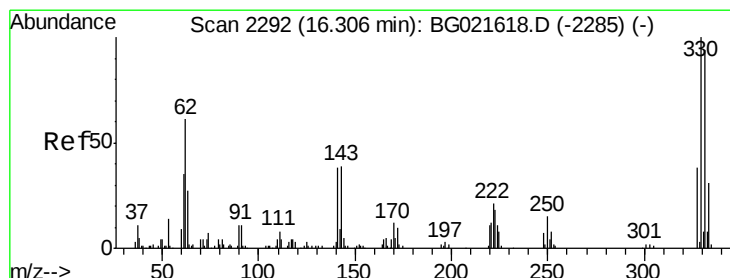
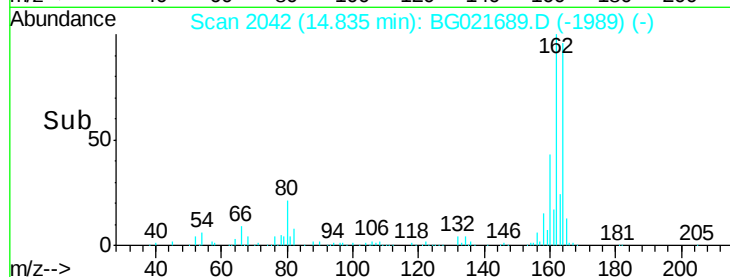
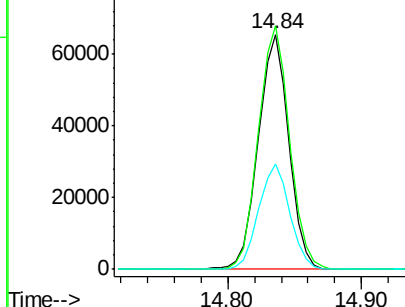
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.84 min Scan# 2042  
 Delta R.T. 0.01 min  
 Lab File: BG021689.D  
 Acq: 15 Apr 2016 15:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EFF-WW

Tgt Ion:164 Resp: 102823  
 Ion Ratio Lower Upper  
 164 100  
 162 103.7 78.0 117.0  
 160 44.9 32.9 49.3

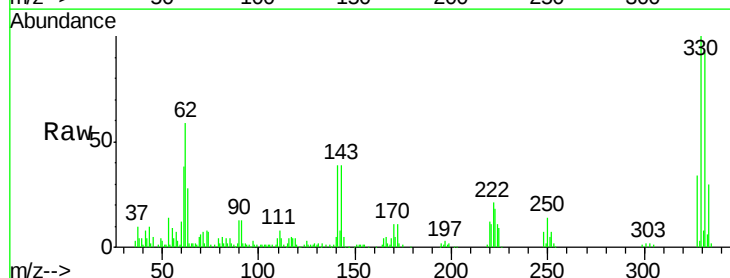


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

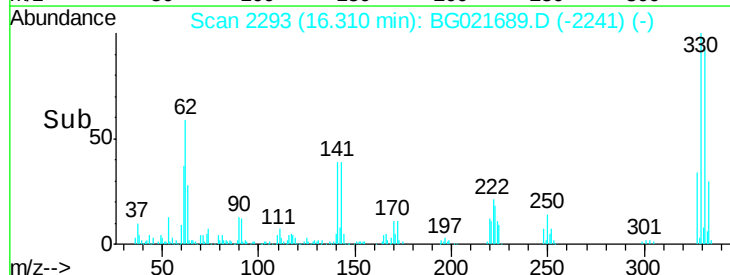
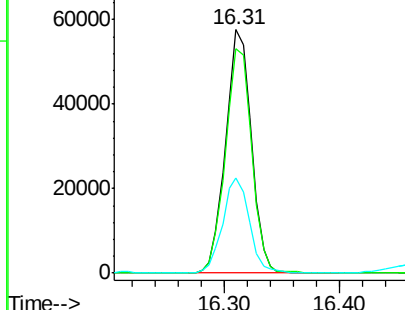


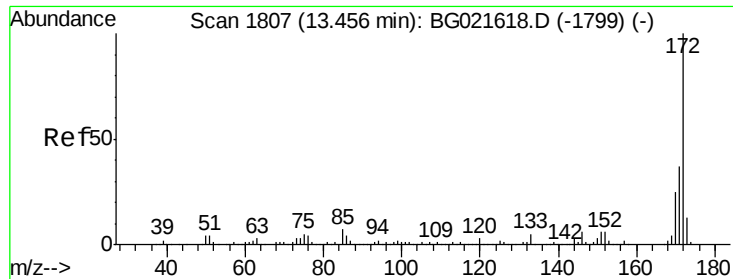
#41  
 2,4,6-Tribromophenol  
 Concen: 80.28 ng  
 RT: 16.31 min Scan# 2293  
 Delta R.T. 0.00 min  
 Lab File: BG021689.D  
 Acq: 15 Apr 2016 15:57

Tgt Ion:330 Resp: 88968  
 Ion Ratio Lower Upper  
 330 100  
 332 94.7 78.0 117.0  
 141 41.1 33.8 50.8



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

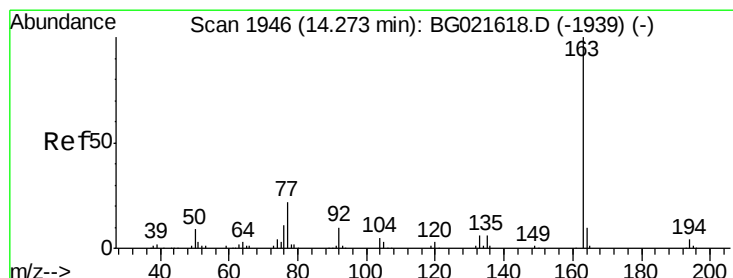
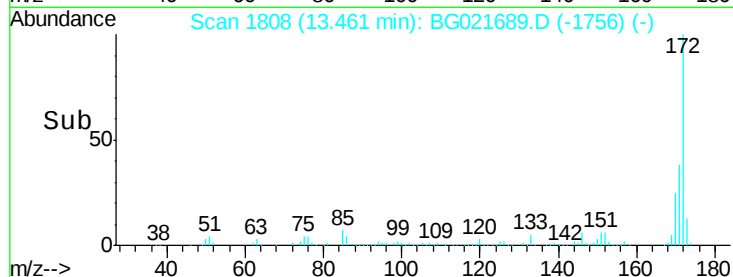
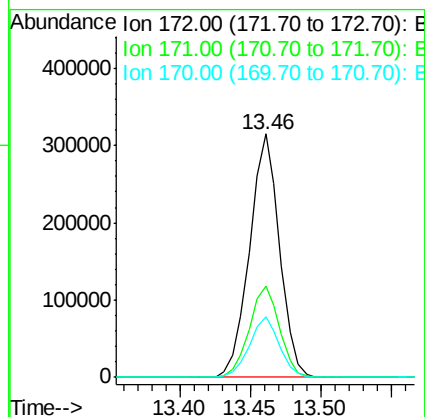
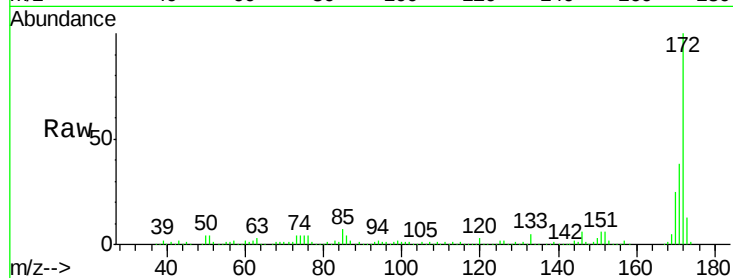




#44  
2-Fluorobiphenyl  
Concen: 66.70 ng  
RT: 13.46 min Scan# 1808  
Delta R.T. 0.00 min  
Lab File: BG021689.D  
Acq: 15 Apr 2016 15:57

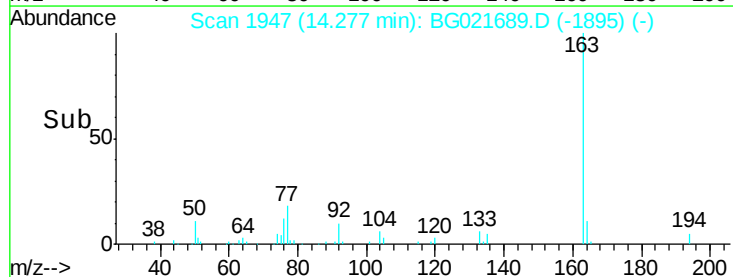
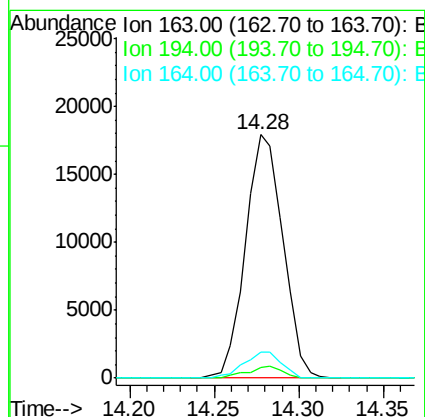
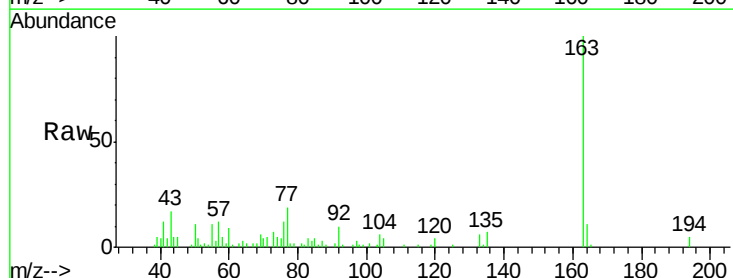
Instrument :  
BNA\_G  
ClientSampleId :  
EFF-WW

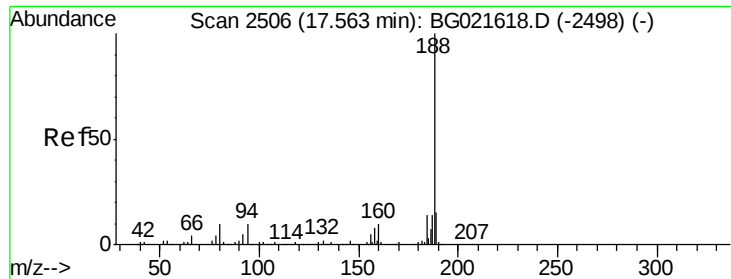
Tgt Ion:172 Resp: 468064  
Ion Ratio Lower Upper  
172 100  
171 37.6 27.8 41.6  
170 24.8 19.6 29.4



#49  
Dimethylphthalate  
Concen: 3.10 ng  
RT: 14.28 min Scan# 1947  
Delta R.T. 0.00 min  
Lab File: BG021689.D  
Acq: 15 Apr 2016 15:57

Tgt Ion:163 Resp: 27604  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.0 4.6  
164 10.9 8.1 12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG021689.D

Acq: 15 Apr 2016 15:57

Instrument :

BNA\_G

ClientSampleId :

EFF-WW

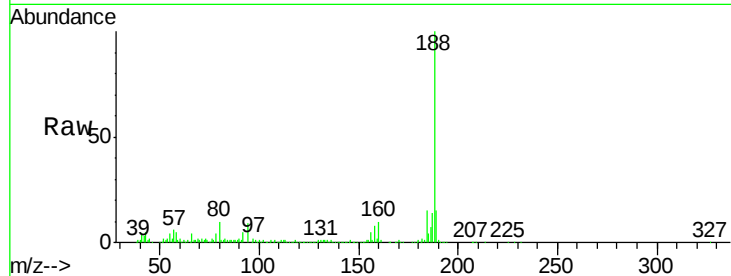
Tgt Ion:188 Resp: 213340

Ion Ratio Lower Upper

188 100

94 9.0 7.5 11.3

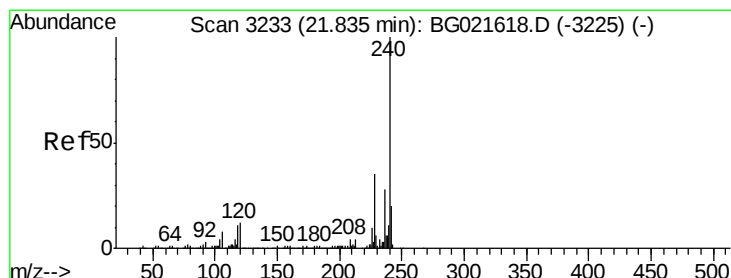
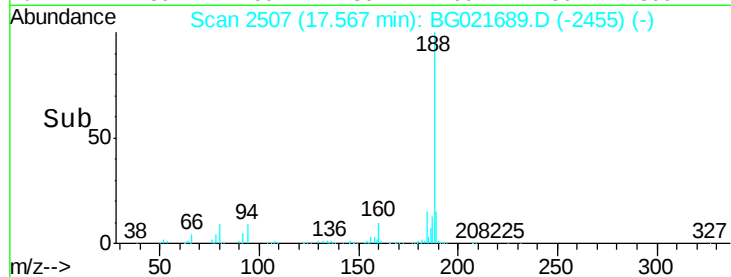
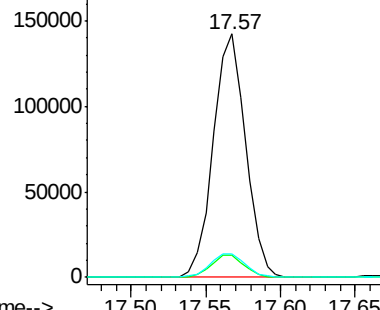
80 9.6 8.6 13.0



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# 3235

Delta R.T. 0.01 min

Lab File: BG021689.D

Acq: 15 Apr 2016 15:57

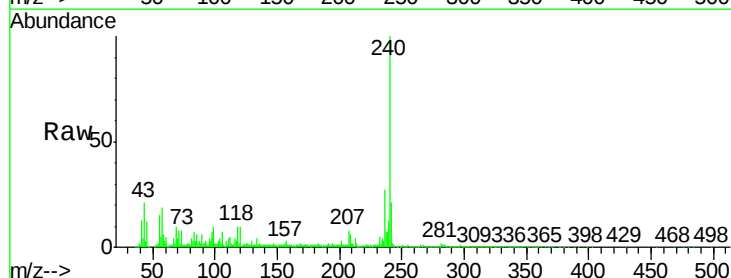
Tgt Ion:240 Resp: 238926

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

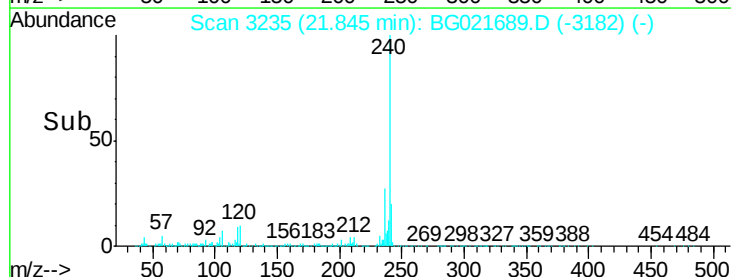
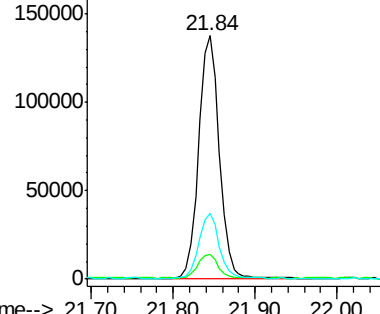
236 27.2 19.6 29.4

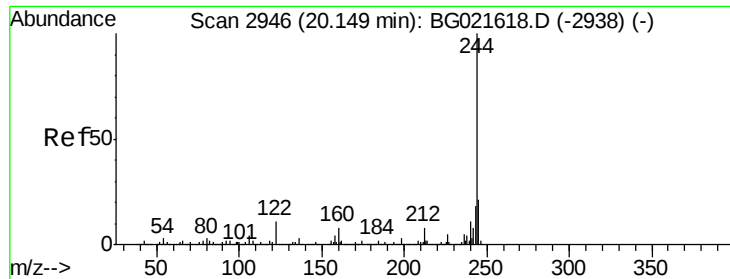


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 46.18 ng

RT: 20.15 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG021689.D

Acq: 15 Apr 2016 15:57

Instrument :

BNA\_G

ClientSampleId :

EFF-WW

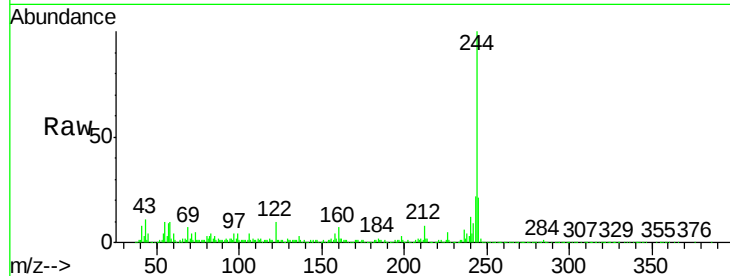
Tgt Ion:244 Resp: 442238

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

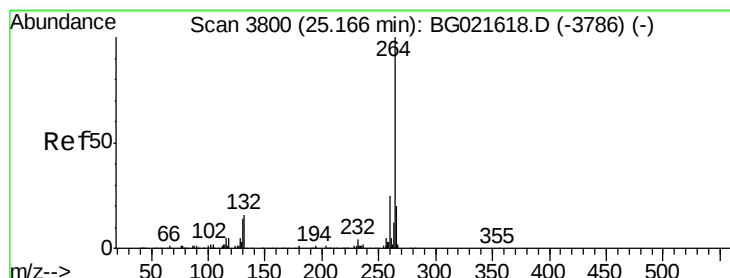
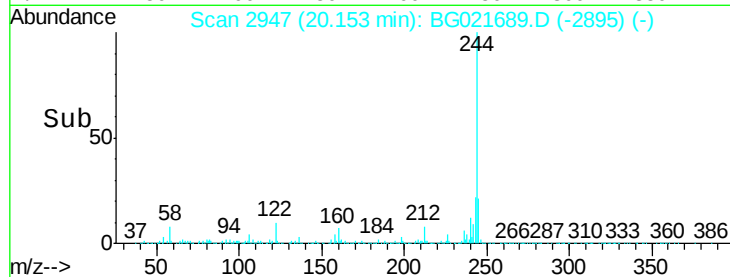
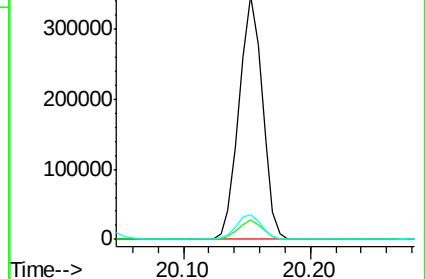
122 10.0 8.6 12.8



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: 25.18 min Scan# 3803

Delta R.T. 0.02 min

Lab File: BG021689.D

Acq: 15 Apr 2016 15:57

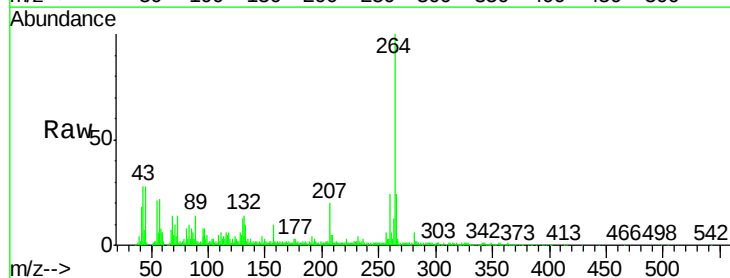
Tgt Ion:264 Resp: 185810

Ion Ratio Lower Upper

264 100

260 24.1 20.2 30.4

265 23.6 17.8 26.8



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

