

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG122916\  
 Data File : BG025404.D  
 Acq On : 29 Dec 2016 14:52  
 Operator : UM/SJ  
 Sample : H6226-08  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDW-02-122116

Quant Time: Dec 30 00:00:27 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 18:42:01 2016  
 Response via : Initial Calibration

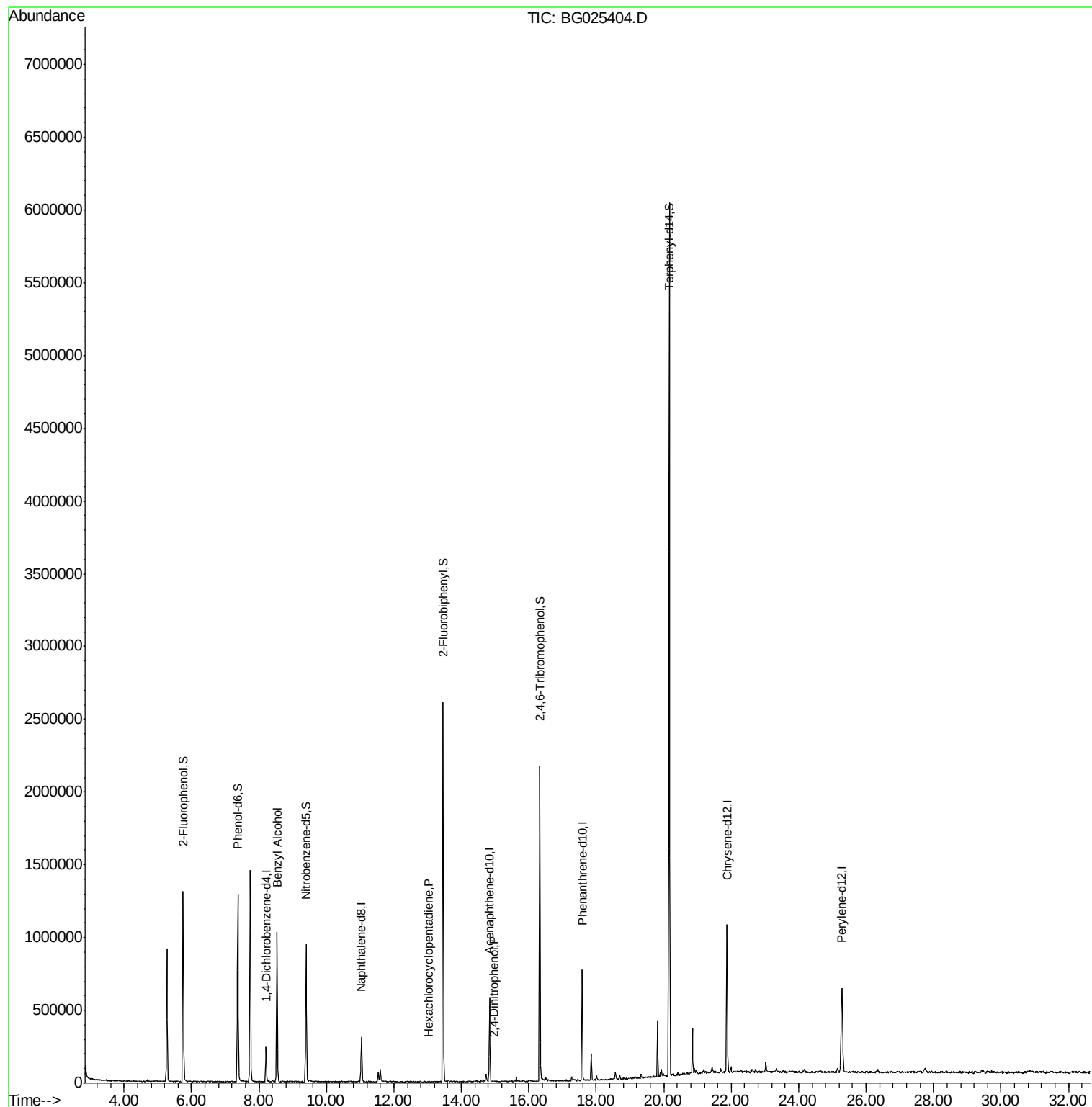
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.21  | 152  | 63289    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.04 | 136  | 245208   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.84 | 164  | 204088   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 17.58 | 188  | 472790   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 21.87 | 240  | 679469   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 25.28 | 264  | 715509   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.75  | 112  | 505581   | 145.20 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.37  | 99   | 672709   | 137.18 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.39  | 82   | 587805   | 105.90 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol      | 16.32 | 330  | 437958   | 133.29 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 13.45 | 172  | 1275151  | 101.15 | ng    | 0.00     |
| 78) Terphenyl-d14             | 20.16 | 244  | 2459991  | 95.99  | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       |          |
| 15) Benzyl Alcohol            | 8.53  | 79   | 9446     | 2.02   | ng    | # 47     |
| 40) Hexachlorocyclopentadiene | 13.03 | 237  | 53       | 8.53   | ng    | # 29     |
| 53) 2,4-Dinitrophenol         | 14.96 | 184  | 96       | 5.12   | ng    | # 44     |

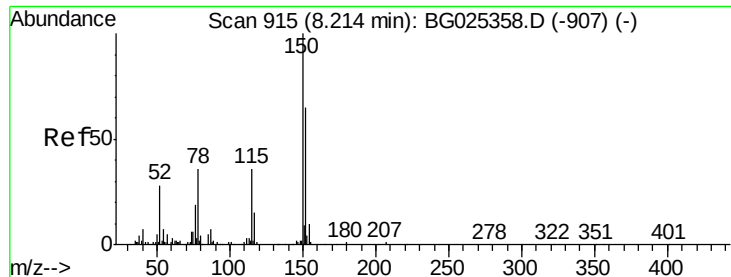
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 6 Sample Multiplier: 1

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BNA\_G  
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IDW-02-122116

Quant Time: Dec 30 00:00:27 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 21 18:42:01 2016  
Response via : Initial Calibration



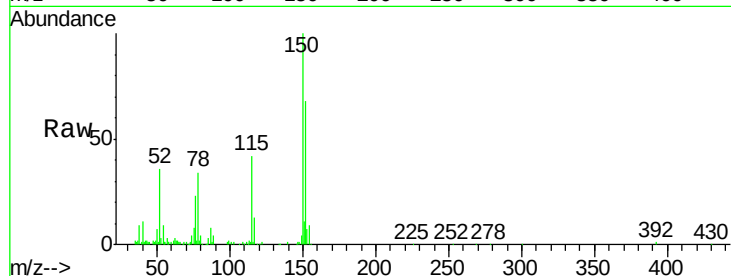


#1

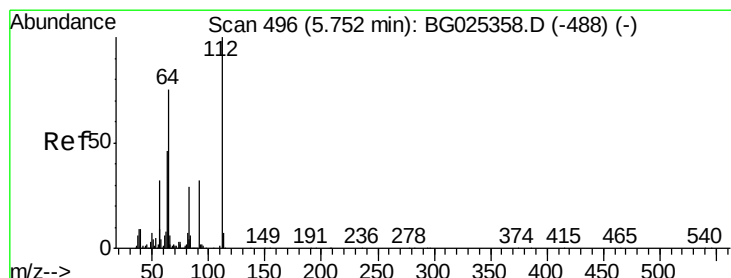
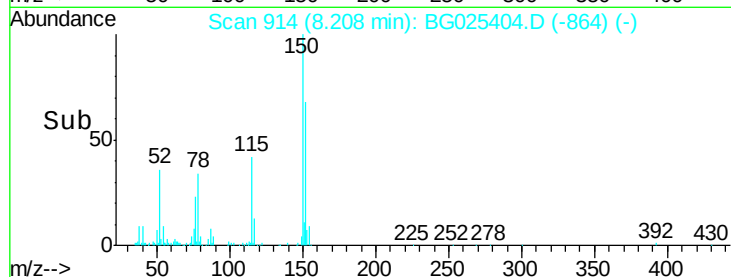
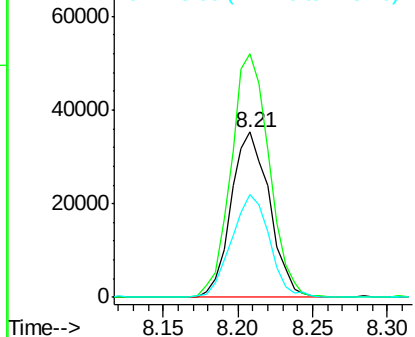
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.21 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: BG025404.D  
Acq: 29 Dec 2016 14:52

Instrument :  
BNA\_G  
ClientSampleId :  
IDW-02-122116

Tgt Ion:152 Resp: 63289  
Ion Ratio Lower Upper  
152 100  
150 147.1 114.0 171.0  
115 62.3 48.1 72.1



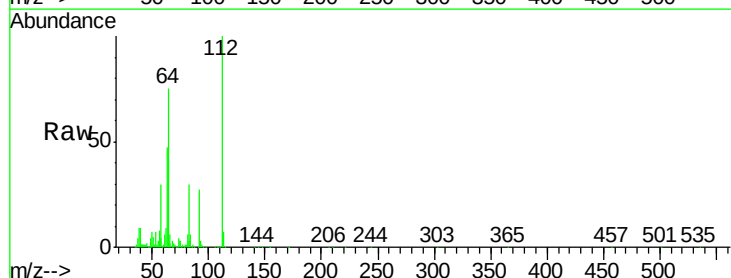
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



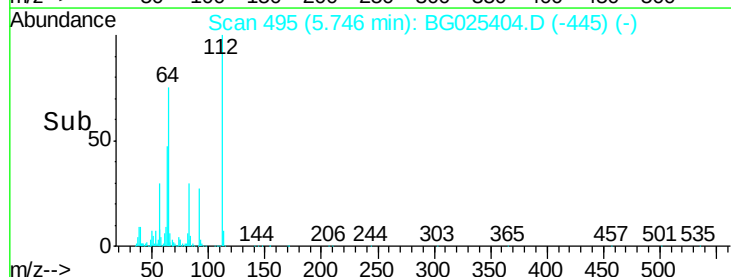
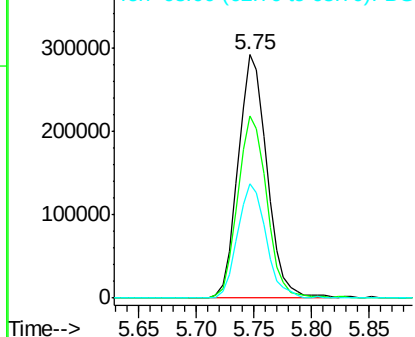
#5

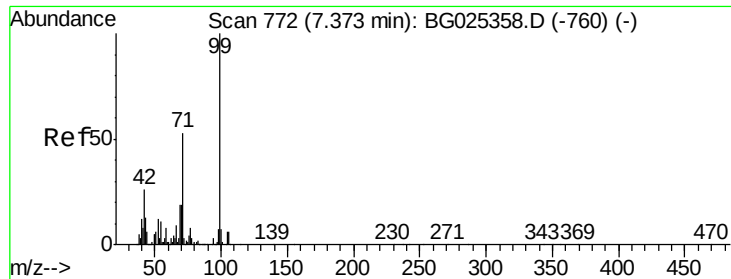
2-Fluorophenol  
Concen: 145.20 ng  
RT: 5.75 min Scan# 495  
Delta R.T. -0.01 min  
Lab File: BG025404.D  
Acq: 29 Dec 2016 14:52

Tgt Ion:112 Resp: 505581  
Ion Ratio Lower Upper  
112 100  
64 74.8 61.8 92.6  
63 46.9 37.2 55.8



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: 137.18 ng

RT: 7.37 min Scan# 771

Delta R.T. -0.01 min

Lab File: BG025404.D

Acq: 29 Dec 2016 14:52

Instrument :

BNA\_G

ClientSampleId :

IDW-02-122116

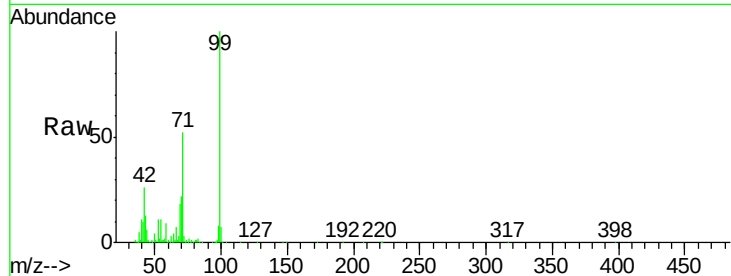
Tgt Ion: 99 Resp: 672709

Ion Ratio Lower Upper

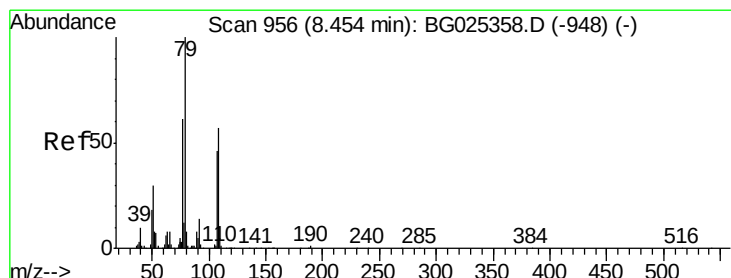
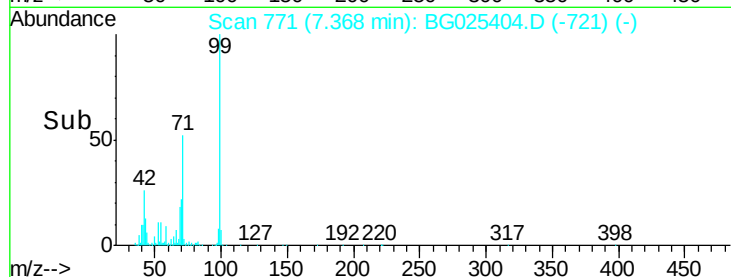
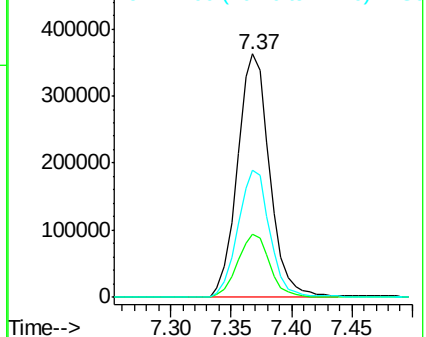
99 100

42 26.1 20.5 30.7

71 52.1 37.6 56.4



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



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 8.53 min Scan# 969

Delta R.T. 0.08 min

Lab File: BG025404.D

Acq: 29 Dec 2016 14:52

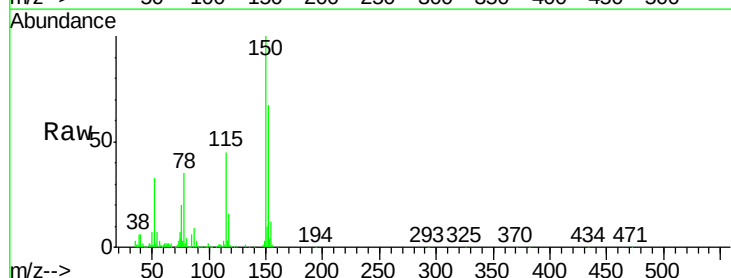
Tgt Ion: 79 Resp: 9446

Ion Ratio Lower Upper

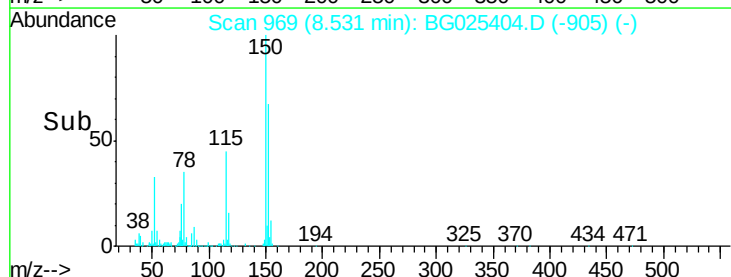
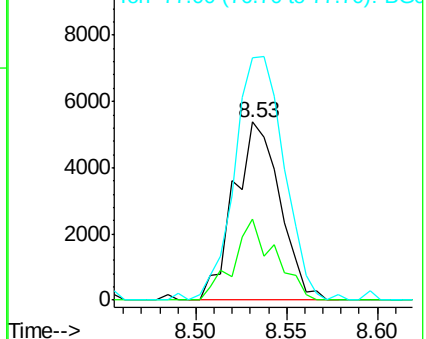
79 100

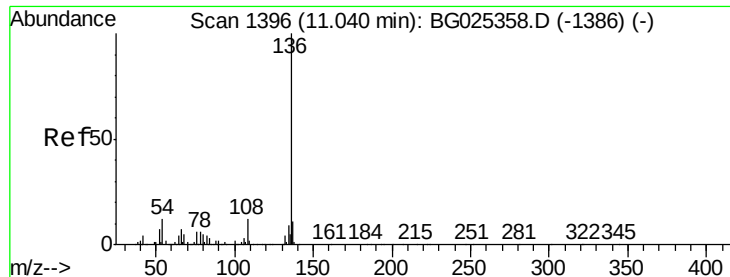
108 45.4 45.5 68.3#

77 136.1 54.3 81.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

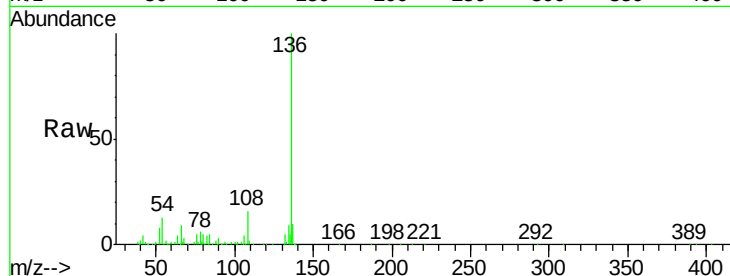




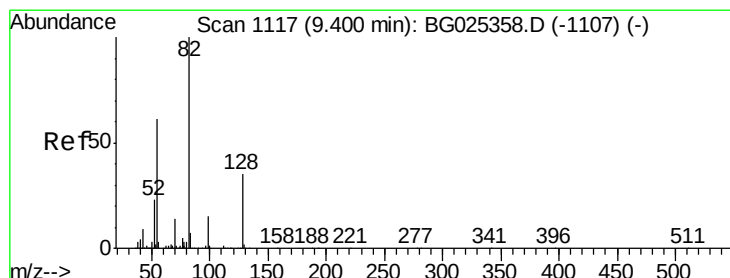
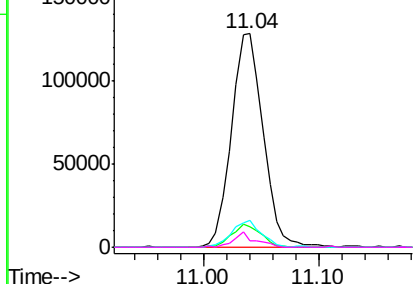
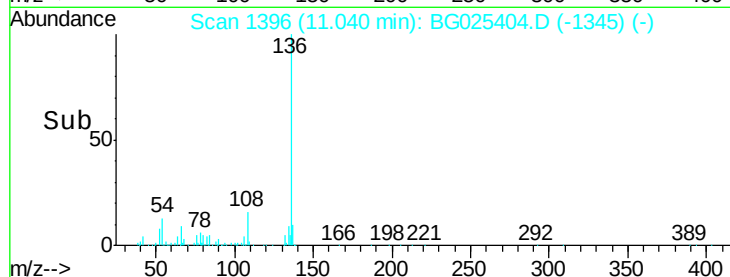
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.04 min Scan# 1396  
Delta R.T. 0.00 min  
Lab File: BG025404.D  
Acq: 29 Dec 2016 14:52

Instrument :  
BNA\_G  
ClientSampleId :  
IDW-02-122116

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 245208 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 9.9   | 8.9   | 13.3   |
| 54       | 12.8  | 9.3   | 13.9   |
| 68       | 3.1   | 5.1   | 7.7#   |

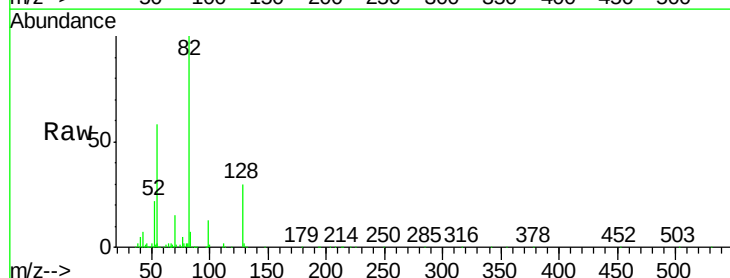


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

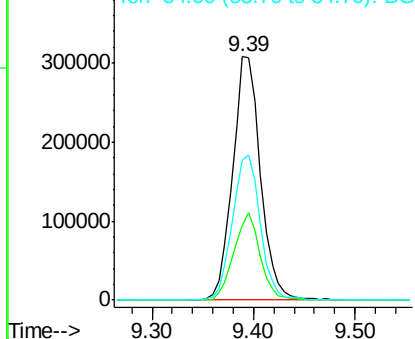
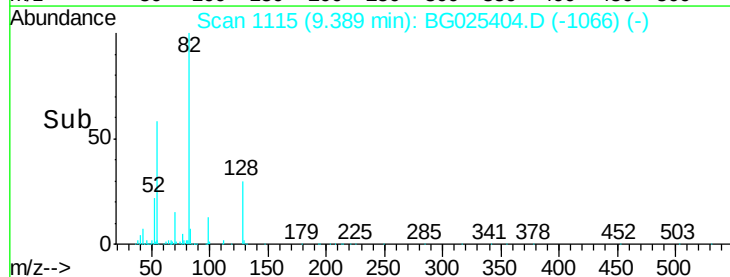


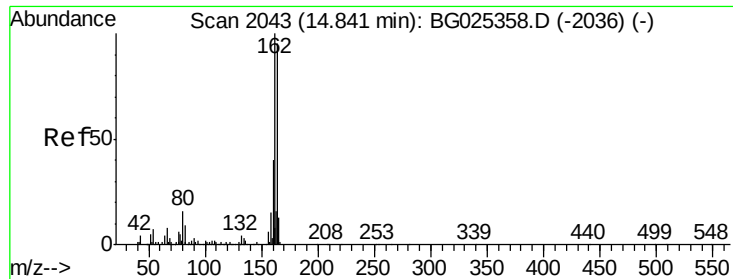
#23  
Nitrobenzene-d5  
Concen: 105.90 ng  
RT: 9.39 min Scan# 1115  
Delta R.T. -0.01 min  
Lab File: BG025404.D  
Acq: 29 Dec 2016 14:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 587805 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 30.5  | 26.4  | 39.6   |
| 54       | 57.7  | 49.4  | 74.2   |



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: BG025404.D

Acq: 29 Dec 2016 14:52

Instrument :

BNA\_G

ClientSampleId :

IDW-02-122116

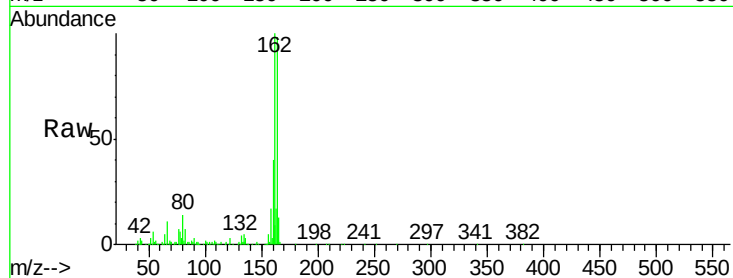
Tgt Ion:164 Resp: 204088

Ion Ratio Lower Upper

164 100

162 102.2 85.1 127.7

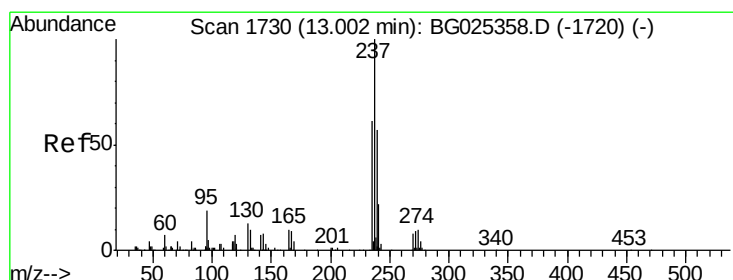
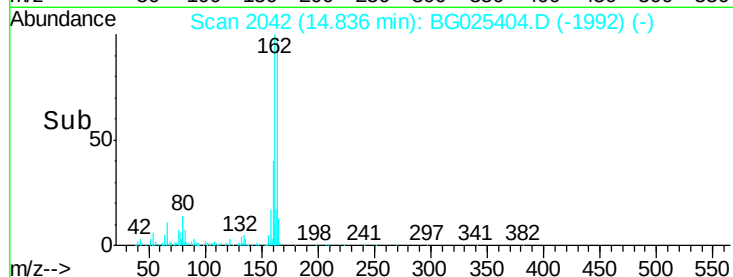
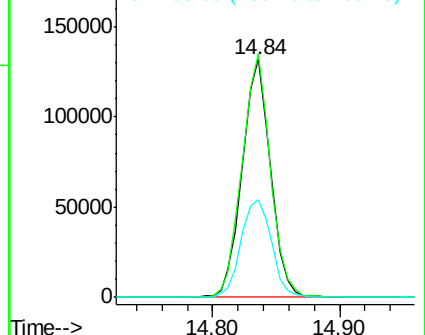
160 41.1 34.7 52.1



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



#40

Hexachlorocyclopentadiene

Concen: 8.53 ng

RT: 13.03 min Scan# 1734

Delta R.T. 0.02 min

Lab File: BG025404.D

Acq: 29 Dec 2016 14:52

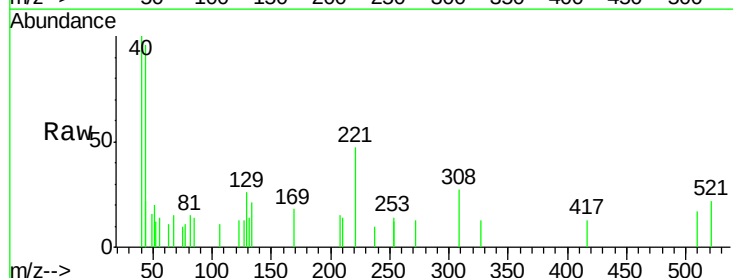
Tgt Ion:237 Resp: 53

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

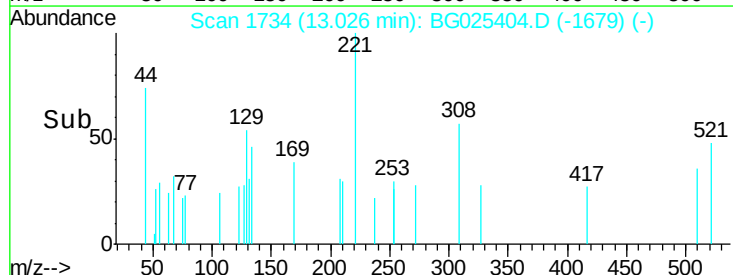
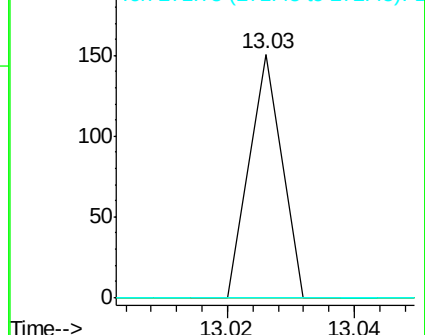
272 0.0 0.0 32.0

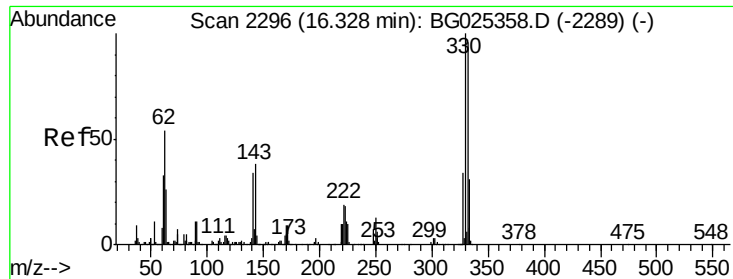


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

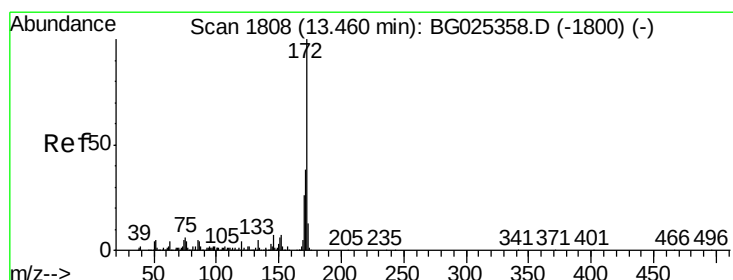
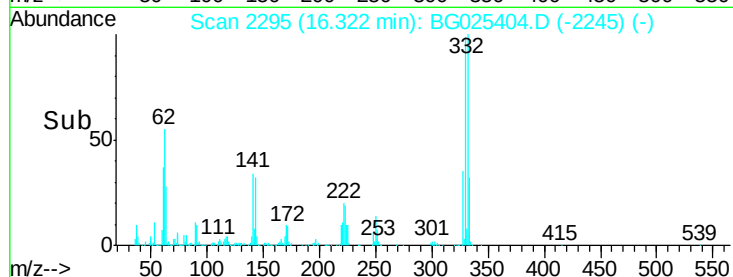
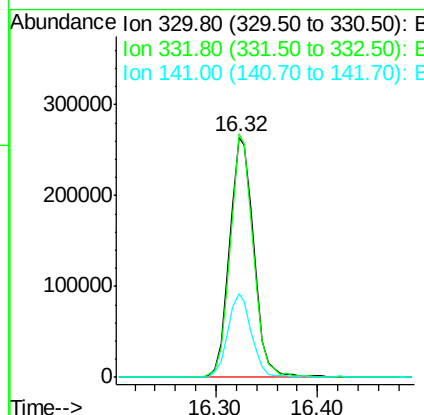
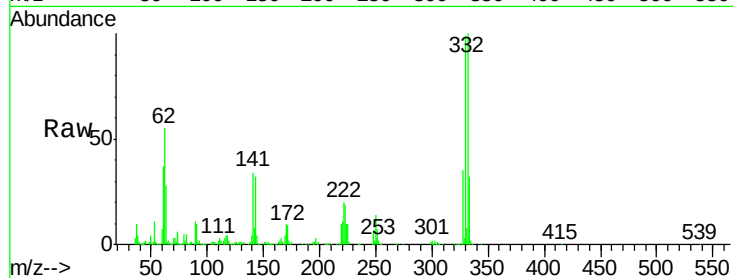




#41  
 2,4,6-Tribromophenol  
 Concen: 133.29 ng  
 RT: 16.32 min Scan# 2295  
 Delta R.T. -0.01 min  
 Lab File: BG025404.D  
 Acq: 29 Dec 2016 14:52

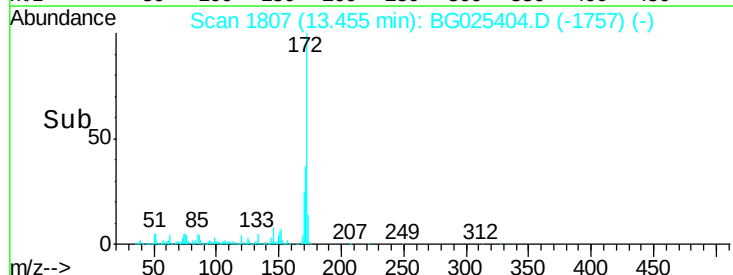
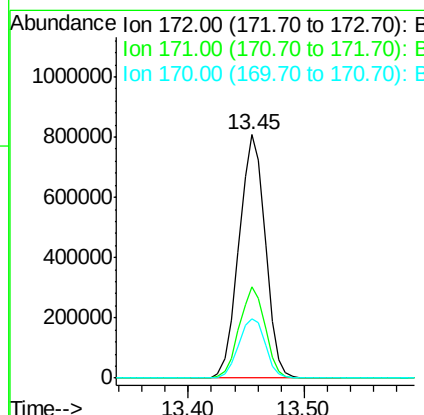
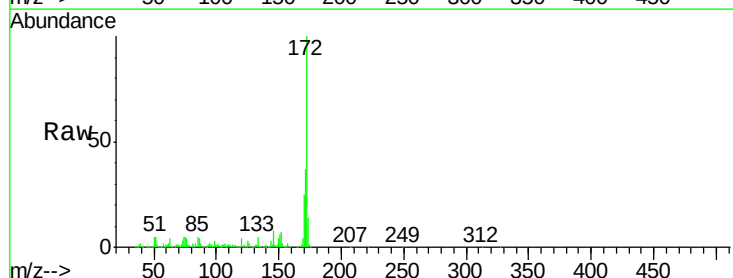
Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDW-02-122116

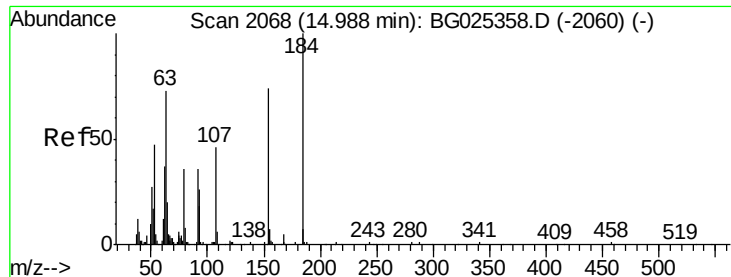
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.3  | 115.9 |
| 141     | 34.0  | 32.1  | 48.1  |



#44  
 2-Fluorobiphenyl  
 Concen: 101.15 ng  
 RT: 13.45 min Scan# 1807  
 Delta R.T. -0.01 min  
 Lab File: BG025404.D  
 Acq: 29 Dec 2016 14:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 32.2  | 48.2  |
| 170     | 24.5  | 21.8  | 32.6  |





#53

2,4-Dinitrophenol

Concen: 5.12 ng

RT: 14.96 min Scan# 2064

Delta R.T. -0.02 min

Lab File: BG025404.D

Acq: 29 Dec 2016 14:52

Instrument :

BNA\_G

ClientSampleId :

IDW-02-122116

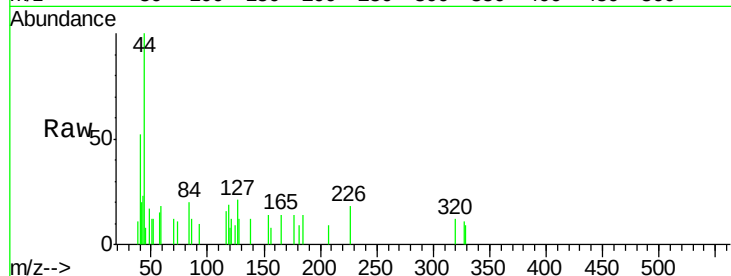
Tgt Ion:184 Resp: 96

Ion Ratio Lower Upper

184 100

63 0.0 52.7 79.1#

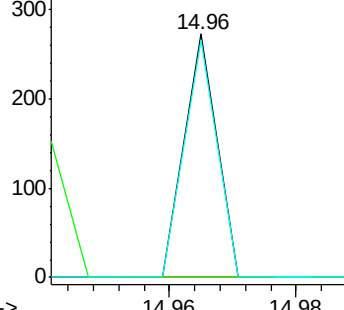
154 97.4 57.3 85.9#



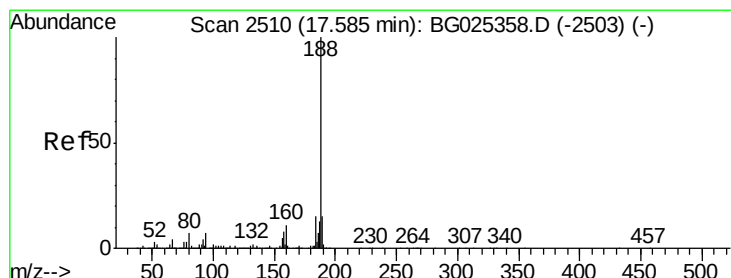
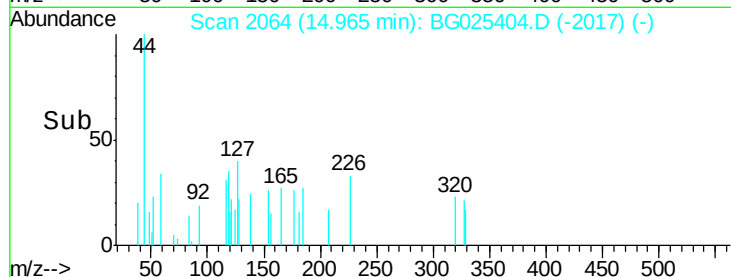
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.58 min Scan# 2509

Delta R.T. -0.01 min

Lab File: BG025404.D

Acq: 29 Dec 2016 14:52

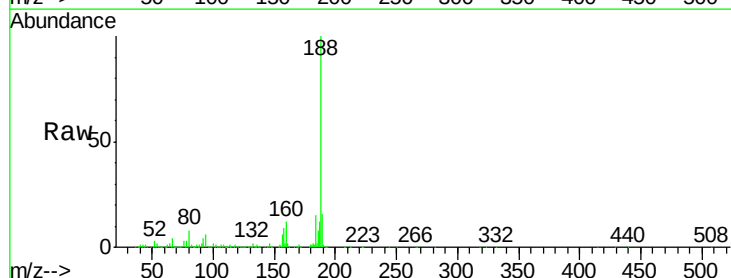
Tgt Ion:188 Resp: 472790

Ion Ratio Lower Upper

188 100

94 5.6 5.8 8.8#

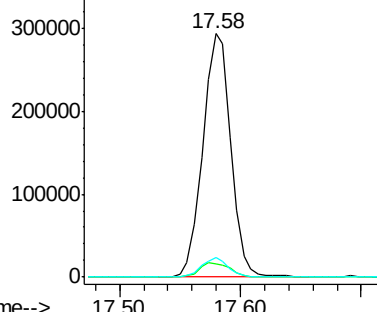
80 8.2 7.5 11.3



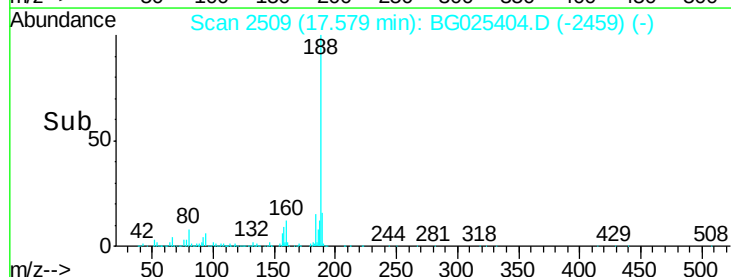
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

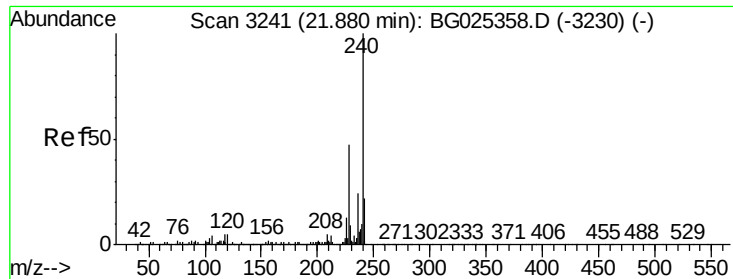
Ion 80.00 (79.70 to 80.70): BGC



Time-->







#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.87 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BG025404.D

Acq: 29 Dec 2016 14:52

Instrument :

BNA\_G

ClientSampleId :

IDW-02-122116

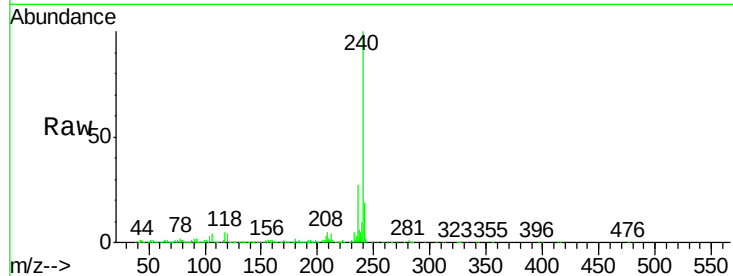
Tgt Ion:240 Resp: 679469

Ion Ratio Lower Upper

240 100

120 4.4 5.7 8.5#

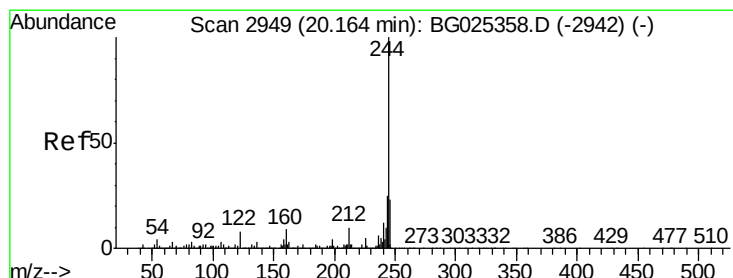
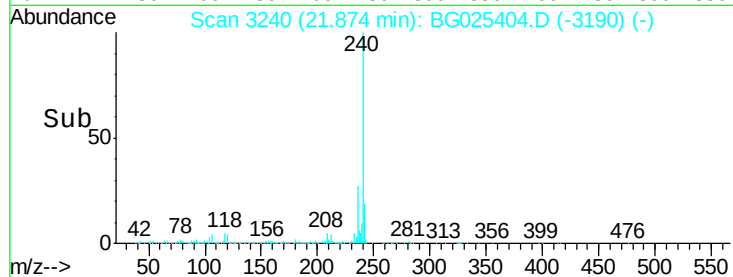
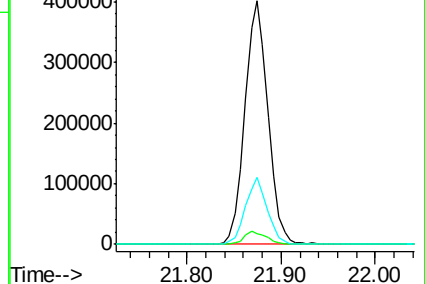
236 27.4 22.2 33.4



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: 95.99 ng

RT: 20.16 min Scan# 2949

Delta R.T. 0.00 min

Lab File: BG025404.D

Acq: 29 Dec 2016 14:52

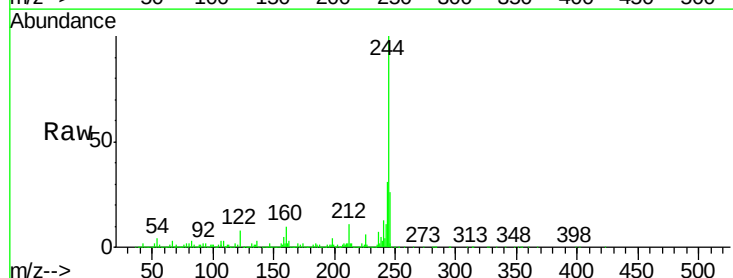
Tgt Ion:244 Resp: 2459991

Ion Ratio Lower Upper

244 100

212 11.1 10.0 15.0

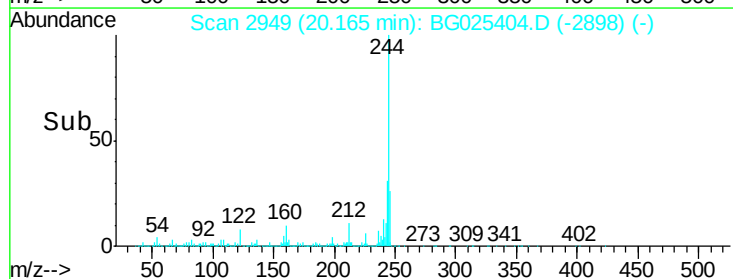
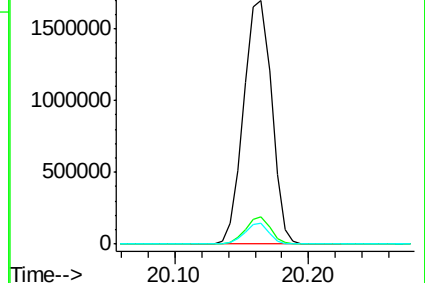
122 8.4 8.6 12.8#

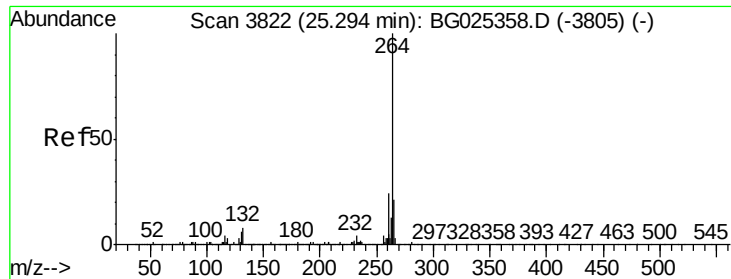


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.28 min Scan# 3820  
Delta R.T. -0.01 min  
Lab File: BG025404.D  
Acq: 29 Dec 2016 14:52

Instrument :  
BNA\_G  
ClientSampleId :  
IDW-02-122116

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 715509 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.6  | 21.8  | 32.8   |
| 265      | 23.2  | 18.2  | 27.4   |

