

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG062516\  
 Data File : BG022568.D  
 Acq On : 25 Jun 2016 10:47  
 Operator : UM/SJ  
 Sample : H3633-17  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEMW2-20

Quant Time: Jun 27 01:05:34 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG062516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 24 20:14:59 2016  
 Response via : Initial Calibration

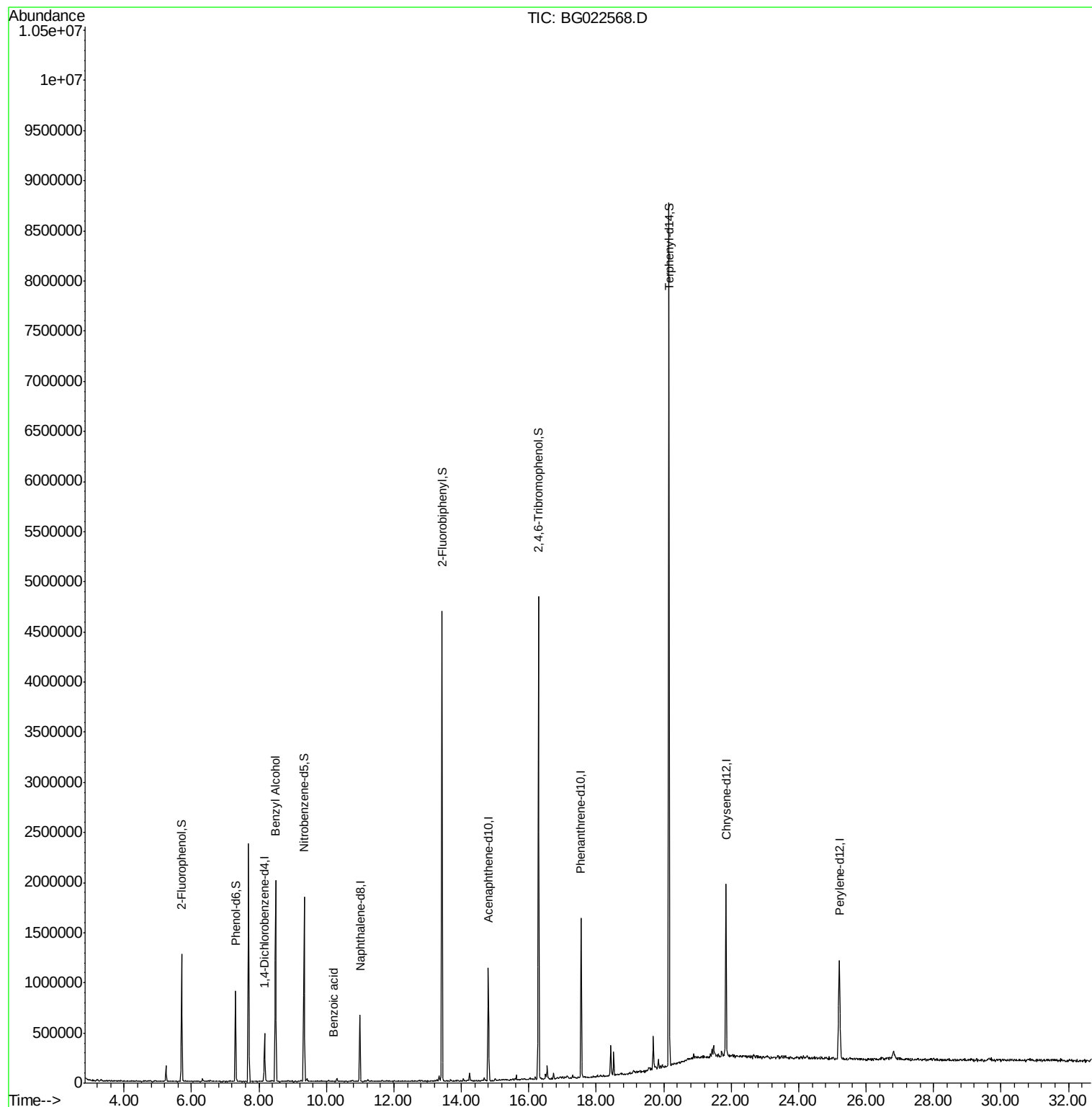
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 127966   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.99 | 136  | 528973   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.80 | 164  | 382470   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.55 | 188  | 960726   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.85 | 240  | 1085728  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.20 | 264  | 1137139  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 491861   | 61.65  | ng    | 0.00     |
| 7) Phenol-d6                | 7.30  | 99   | 481418   | 42.81  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.34  | 82   | 1172399  | 93.81  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 842486   | 140.05 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.43 | 172  | 2195322  | 91.03  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.15 | 244  | 3124493  | 76.24  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 15) Benzyl Alcohol          | 8.49  | 79   | 23887    | 2.30   | ng    | # 69     |
| 32) Benzoic acid            | 10.21 | 122  | 344      | 5.16   | ng    | # 3      |

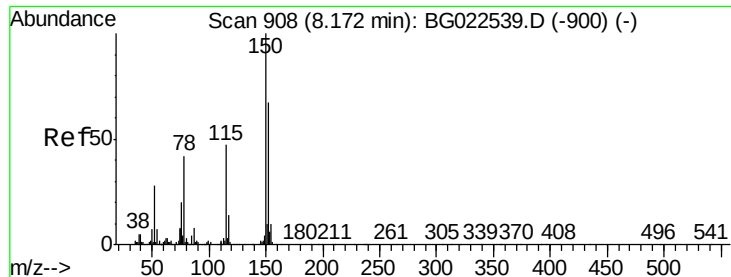
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 24 20:14:59 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 907

Delta R.T. -0.01 min

Lab File: BG022568.D

Acq: 25 Jun 2016 10:47

Instrument :

BNA\_G

ClientSampleId :

TEMW2-20

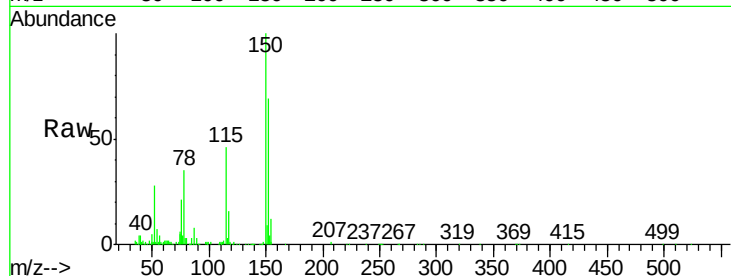
Tgt Ion:152 Resp: 127966

Ion Ratio Lower Upper

152 100

150 144.3 144.7 217.1#

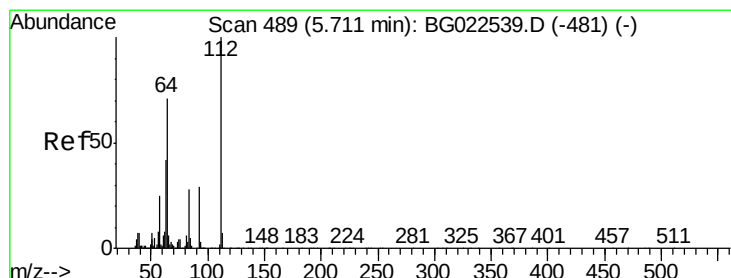
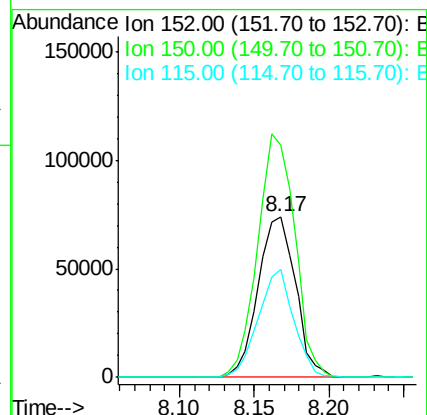
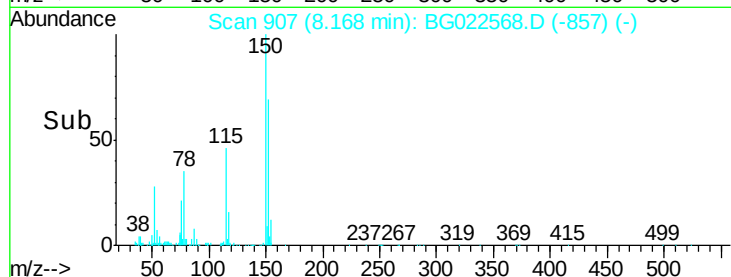
115 66.9 64.0 96.0



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: 61.65 ng

RT: 5.71 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG022568.D

Acq: 25 Jun 2016 10:47

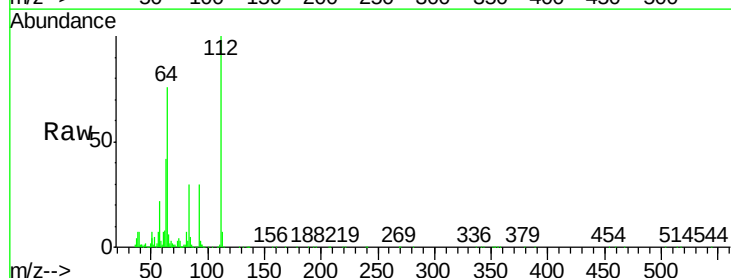
Tgt Ion:112 Resp: 491861

Ion Ratio Lower Upper

112 100

64 75.8 59.0 88.4

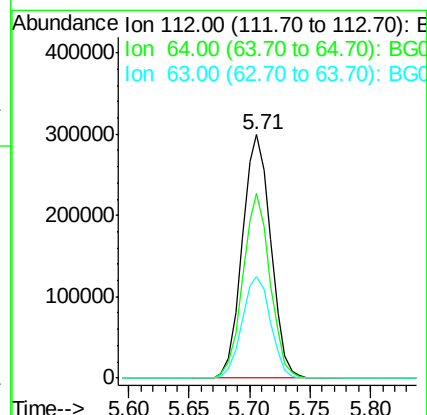
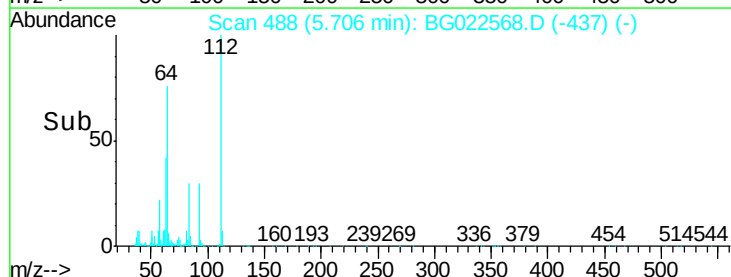
63 41.8 37.8 56.8

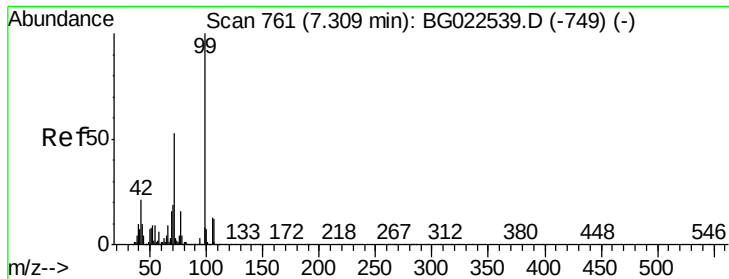


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 42.81 ng

RT: 7.30 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022568.D

Acq: 25 Jun 2016 10:47

Instrument :

BNA\_G

ClientSampleId :

TEMW2-20

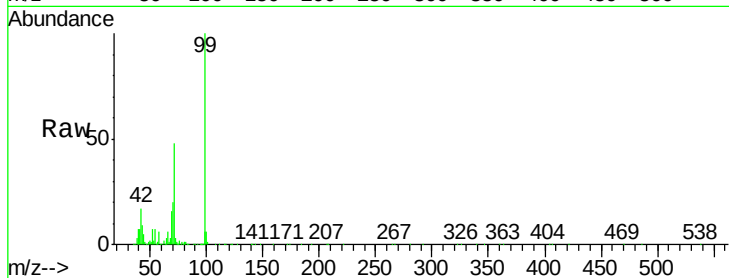
Tgt Ion: 99 Resp: 481418

Ion Ratio Lower Upper

99 100

42 16.6 17.8 26.6#

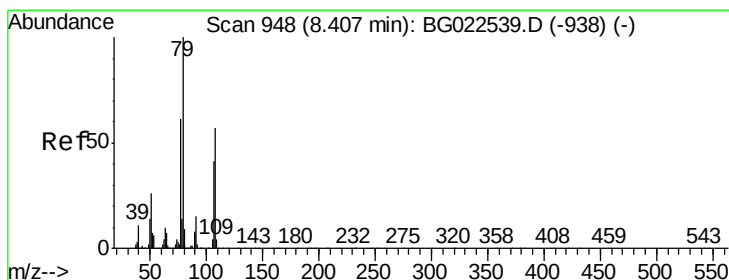
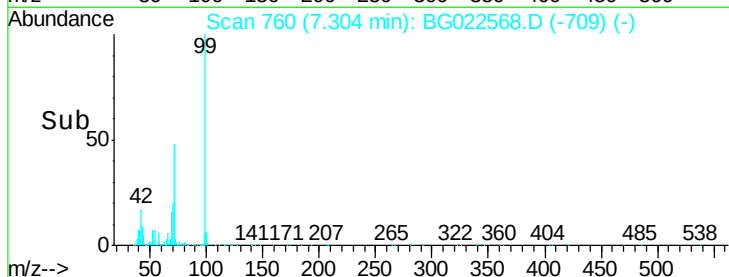
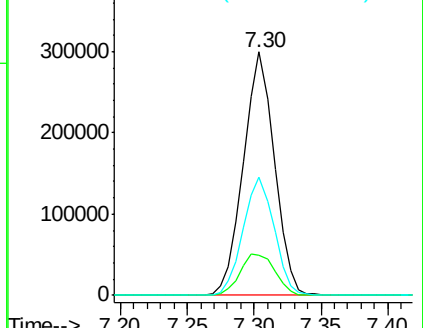
71 48.3 41.5 62.3



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



#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 8.49 min Scan# 962

Delta R.T. 0.09 min

Lab File: BG022568.D

Acq: 25 Jun 2016 10:47

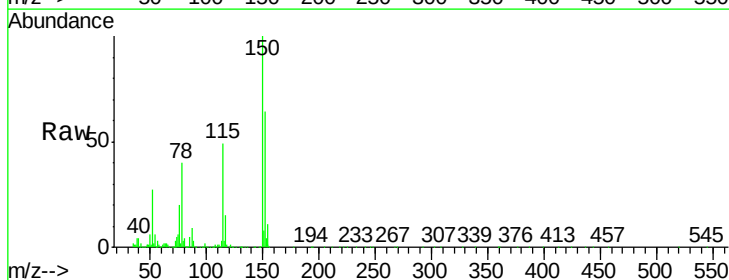
Tgt Ion: 79 Resp: 23887

Ion Ratio Lower Upper

79 100

108 19.9 46.5 69.7#

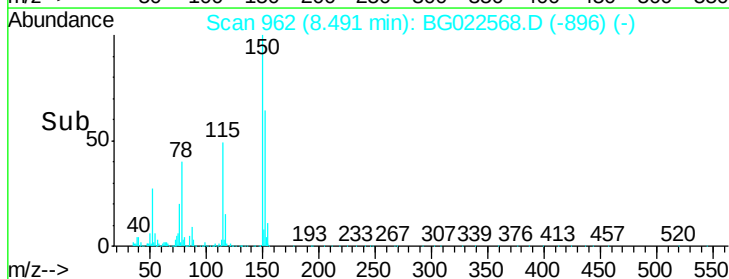
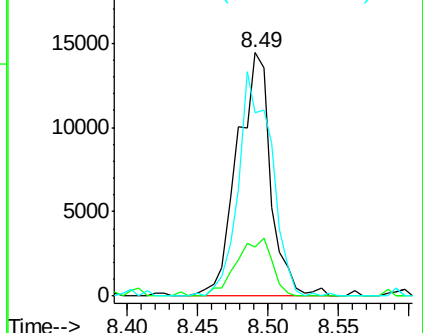
77 75.2 52.3 78.5

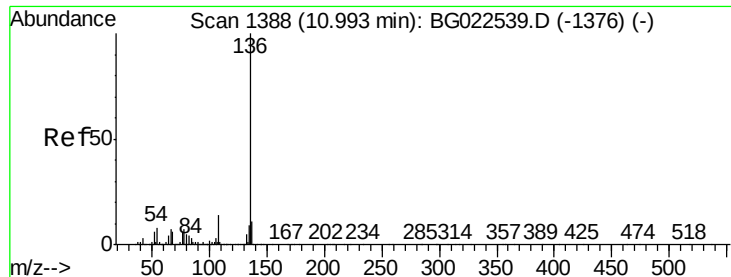


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

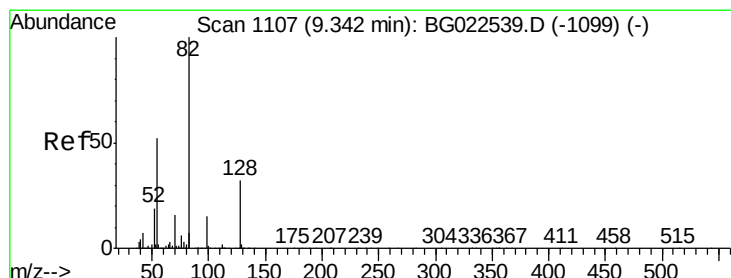
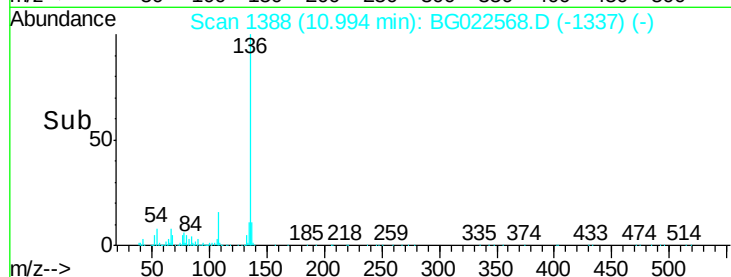
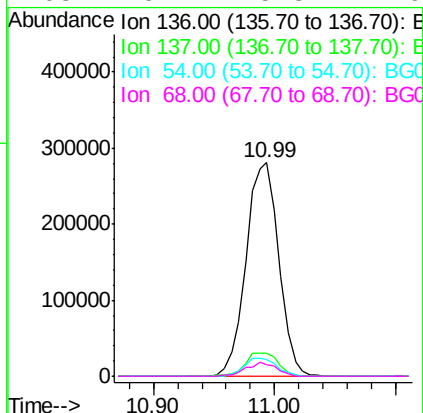
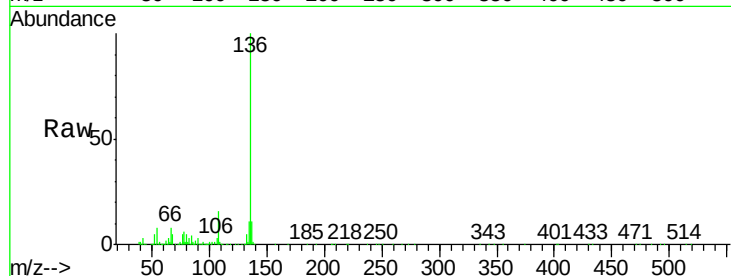




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.99 min Scan# 1388  
Delta R.T. 0.00 min  
Lab File: BG022568.D  
Acq: 25 Jun 2016 10:47

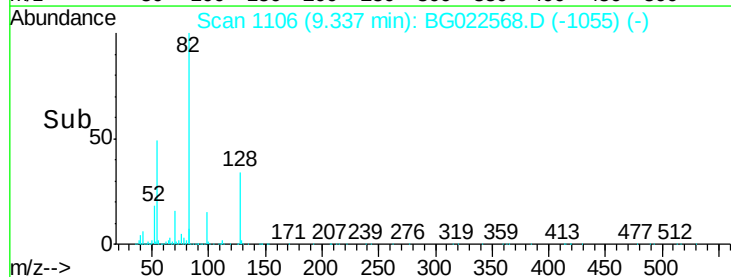
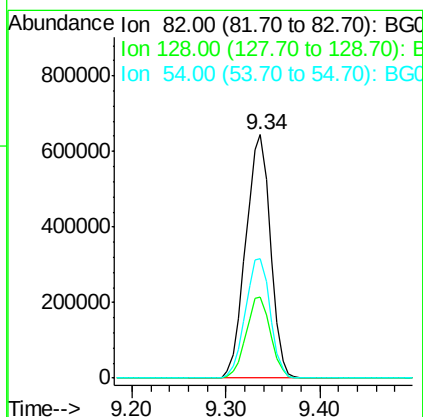
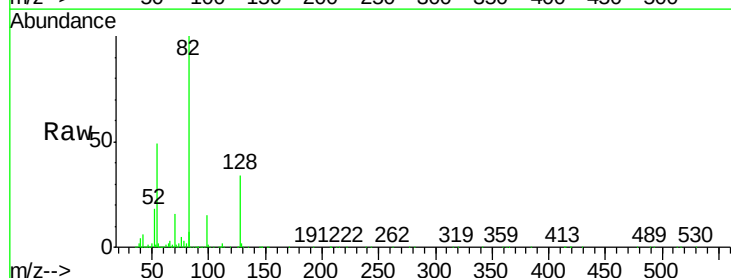
Instrument :  
BNA\_G  
ClientSampleId :  
TEMW2-20

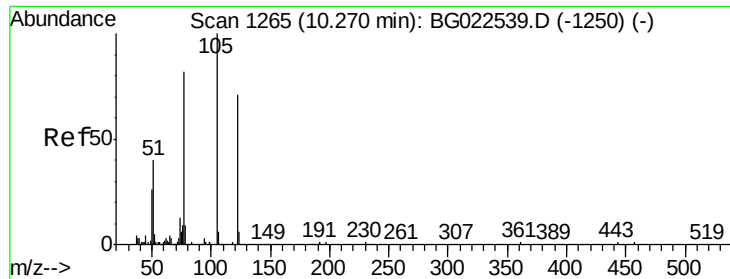
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 528973 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 9.6   | 14.4   |
| 54       | 8.0   | 7.3   | 10.9   |
| 68       | 5.4   | 5.3   | 7.9    |



#23  
Nitrobenzene-d5  
Concen: 93.81 ng  
RT: 9.34 min Scan# 1106  
Delta R.T. 0.00 min  
Lab File: BG022568.D  
Acq: 25 Jun 2016 10:47

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1172399 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 33.5  | 24.4  | 36.6    |
| 54       | 49.1  | 41.4  | 62.0    |

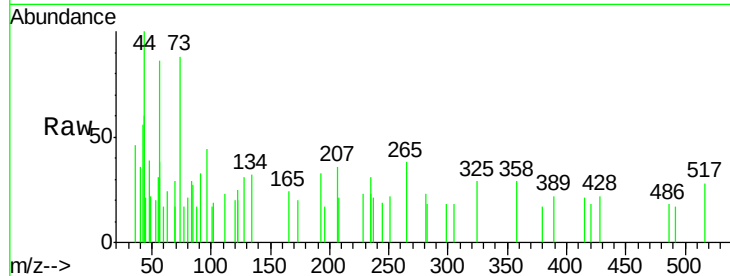




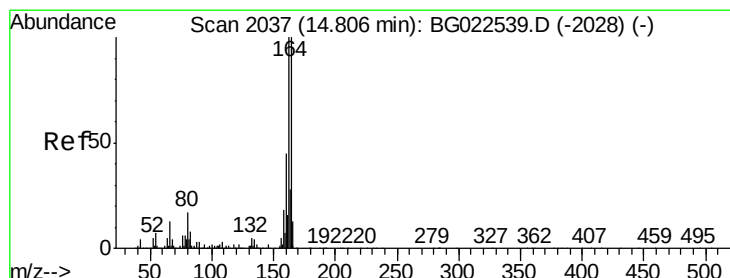
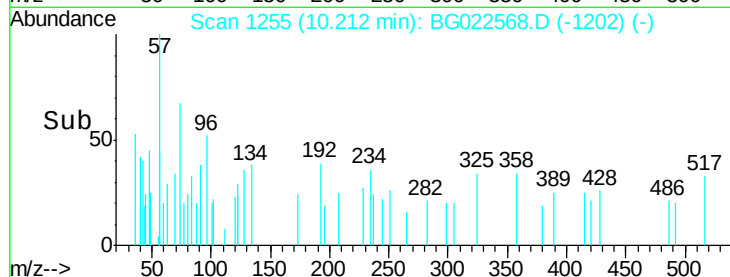
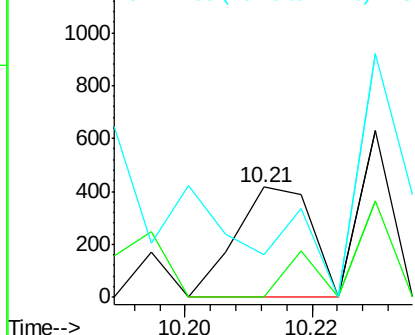
#32  
Benzoic acid  
Concen: 5.16 ng  
RT: 10.21 min Scan# 1255  
Delta R.T. 0.01 min  
Lab File: BG022568.D  
Acq: 25 Jun 2016 10:47

Instrument :  
BNA\_G  
ClientSampleId :  
TEMW2-20

Tgt Ion:122 Resp: 344  
Ion Ratio Lower Upper  
122 100  
105 0.0 117.2 157.2#  
77 38.8 109.2 149.2#

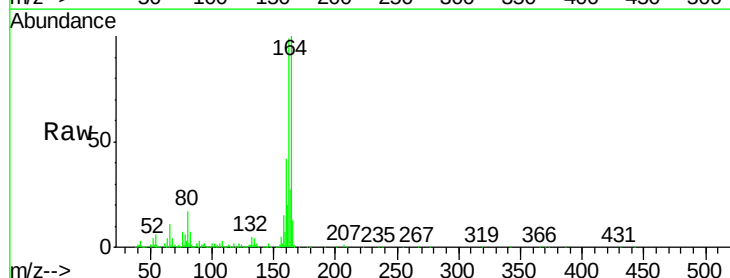


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BGC

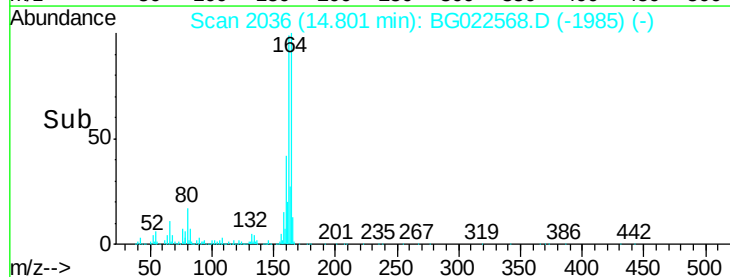
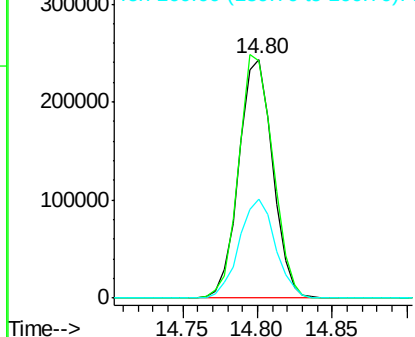


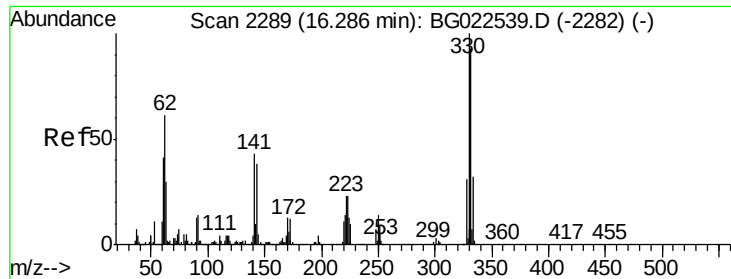
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.80 min Scan# 2036  
Delta R.T. 0.00 min  
Lab File: BG022568.D  
Acq: 25 Jun 2016 10:47

Tgt Ion:164 Resp: 382470  
Ion Ratio Lower Upper  
164 100  
162 99.4 87.7 131.5  
160 41.7 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

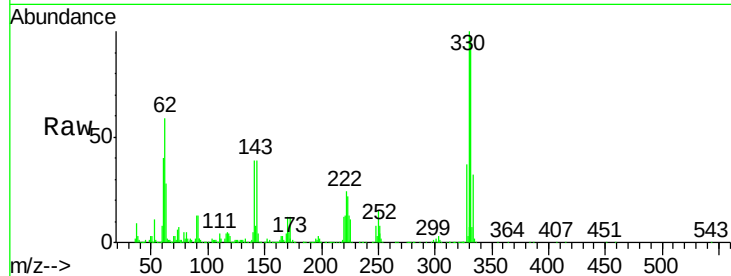




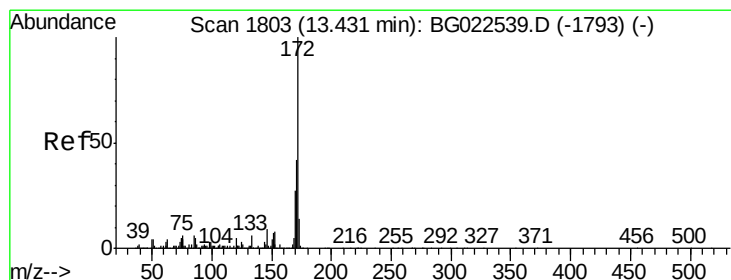
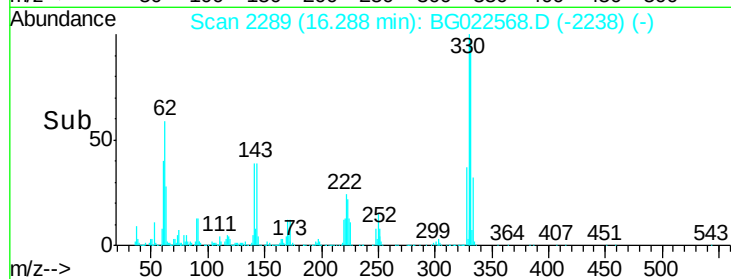
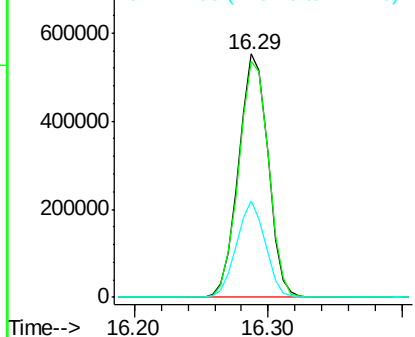
#41  
 2,4,6-Tribromophenol  
 Concen: 140.05 ng  
 RT: 16.29 min Scan# 2289  
 Delta R.T. 0.00 min  
 Lab File: BG022568.D  
 Acq: 25 Jun 2016 10:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEMW2-20

Tgt Ion:330 Resp: 842486  
 Ion Ratio Lower Upper  
 330 100  
 332 98.7 77.4 116.2  
 141 39.0 31.7 47.5

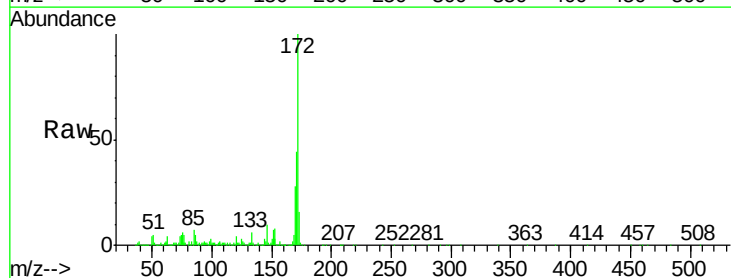


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

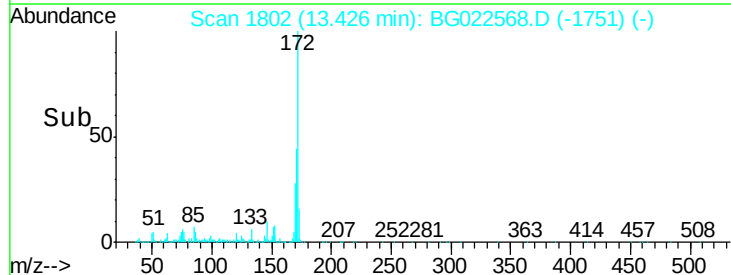
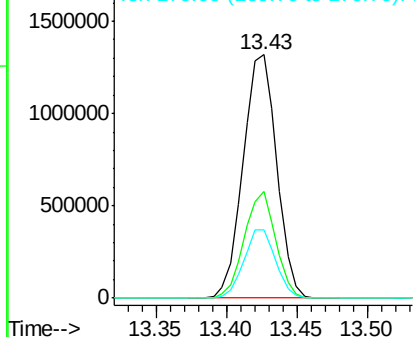


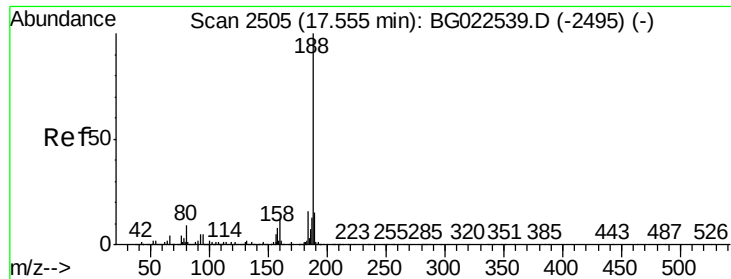
#44  
 2-Fluorobiphenyl  
 Concen: 91.03 ng  
 RT: 13.43 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: BG022568.D  
 Acq: 25 Jun 2016 10:47

Tgt Ion:172 Resp: 2195322  
 Ion Ratio Lower Upper  
 172 100  
 171 43.9 31.6 47.4  
 170 28.2 21.3 31.9



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

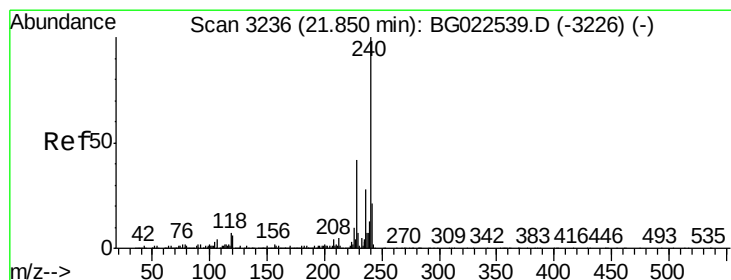
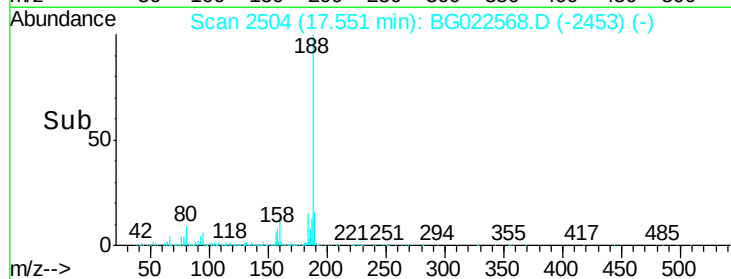
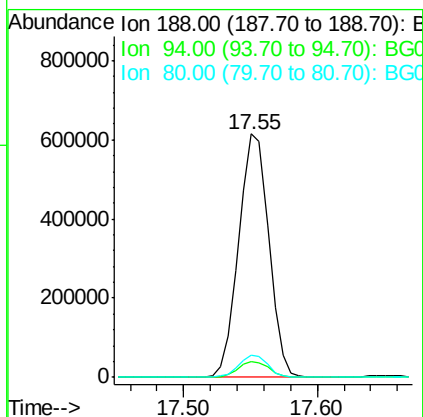
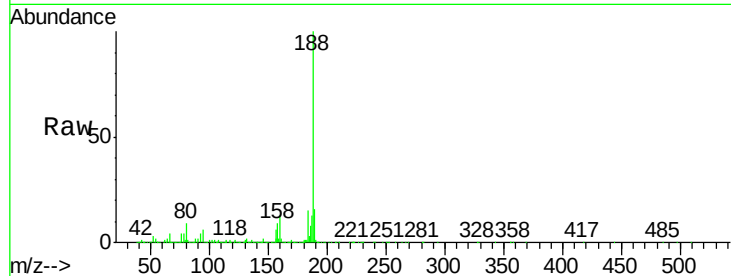




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.55 min Scan# 2504  
Delta R.T. 0.00 min  
Lab File: BG022568.D  
Acq: 25 Jun 2016 10:47

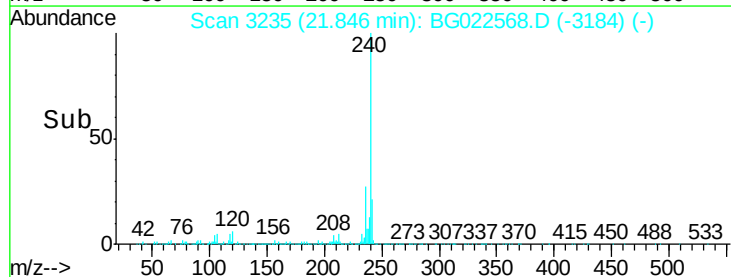
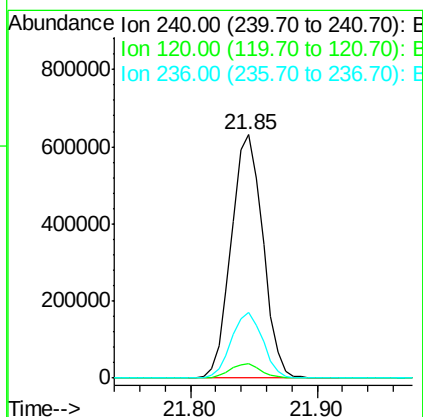
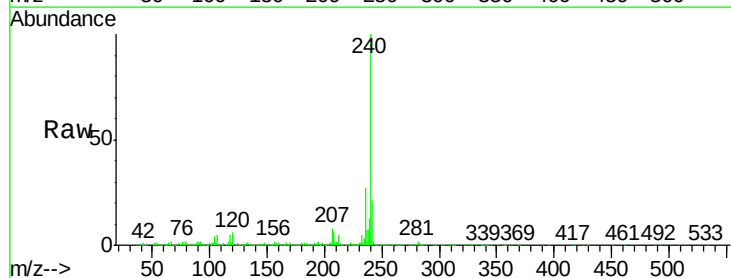
Instrument :  
BNA\_G  
ClientSampleId :  
TEMW2-20

Tgt Ion:188 Resp: 960726  
Ion Ratio Lower Upper  
188 100  
94 6.4 5.2 7.8  
80 9.0 7.2 10.8

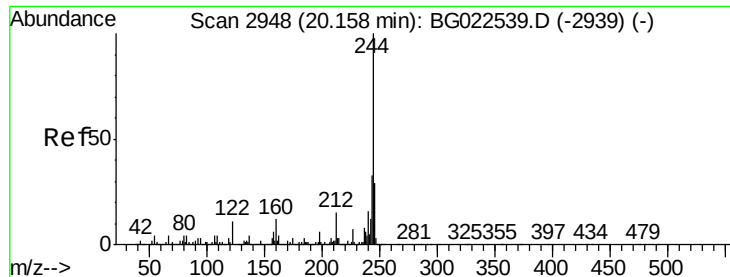


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.85 min Scan# 3235  
Delta R.T. 0.00 min  
Lab File: BG022568.D  
Acq: 25 Jun 2016 10:47

Tgt Ion:240 Resp: 1085728  
Ion Ratio Lower Upper  
240 100  
120 5.8 4.1 6.1  
236 26.8 21.1 31.7







#78

Terphenyl-d14

Concen: 76.24 ng

RT: 20.15 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG022568.D

Acq: 25 Jun 2016 10:47

Instrument :

BNA\_G

ClientSampleId :

TEMW2-20

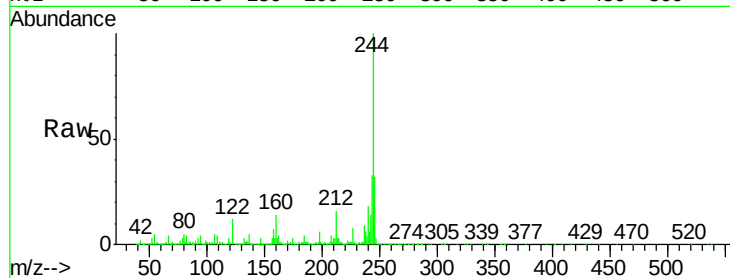
Tgt Ion:244 Resp: 3124493

Ion Ratio Lower Upper

244 100

212 15.8 10.8 16.2

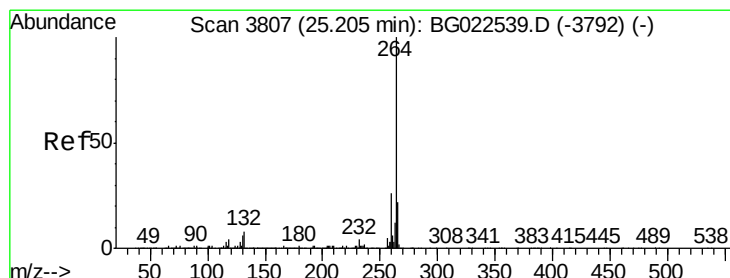
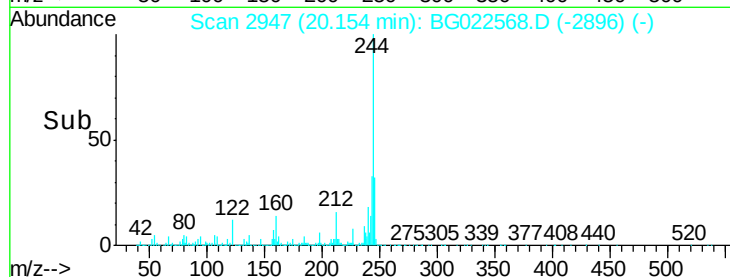
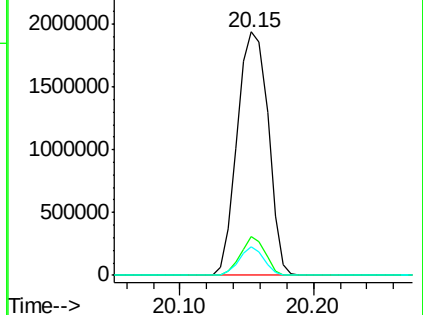
122 12.0 8.0 12.0



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: 25.20 min Scan# 3806

Delta R.T. -0.01 min

Lab File: BG022568.D

Acq: 25 Jun 2016 10:47

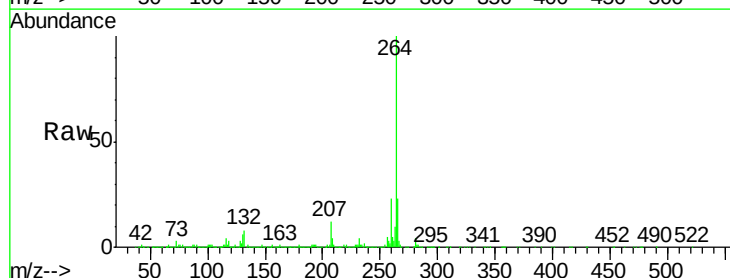
Tgt Ion:264 Resp: 1137139

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 22.8 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

