

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020818\  
 Data File : BG032621.D  
 Acq On : 8 Feb 2018 21:49  
 Operator : SJ/JU  
 Sample : J1473-32  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B8

Quant Time: Feb 09 03:34:47 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 06 18:57:08 2018  
 Response via : Initial Calibration

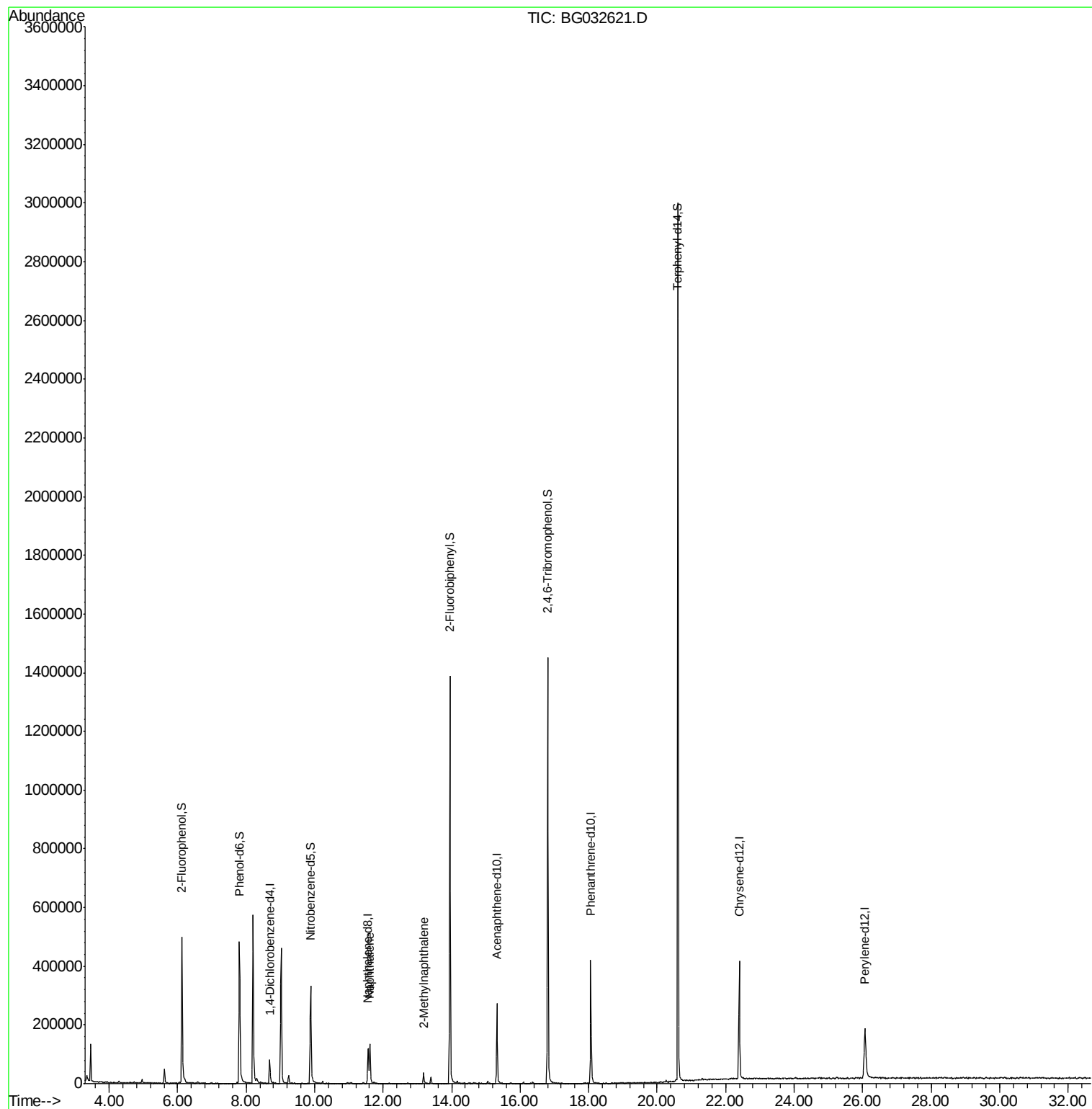
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.68  | 152  | 31402    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 11.56 | 136  | 129294   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 15.32 | 164  | 107499   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 18.06 | 188  | 326063   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 22.39 | 240  | 344385   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 26.06 | 264  | 210249   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.12  | 112  | 264451   | 169.15 | ng    | -0.02    |
| 7) Phenol-d6                | 7.80  | 99   | 319714   | 153.25 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.88  | 82   | 228387   | 110.33 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 16.80 | 330  | 324082   | 158.38 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.95 | 172  | 856195   | 94.67  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.61 | 244  | 1652565  | 102.79 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 11.61 | 128  | 137643   | 21.797 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 13.18 | 142  | 20269    | 3.821  | ng    | 90       |

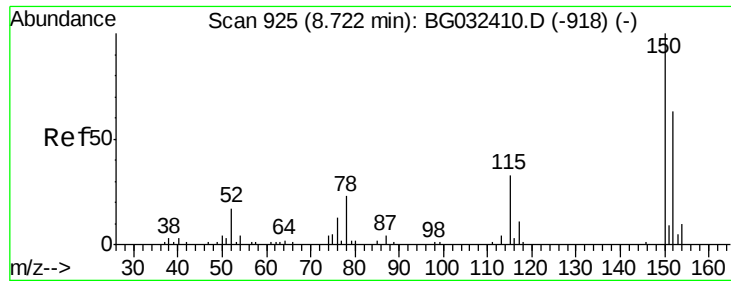
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020818\  
Data File : BG032621.D  
Acq On : 8 Feb 2018 21:49  
Operator : SJ/JU  
Sample : J1473-32  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B8

Quant Time: Feb 09 03:34:47 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 06 18:57:08 2018  
Response via : Initial Calibration

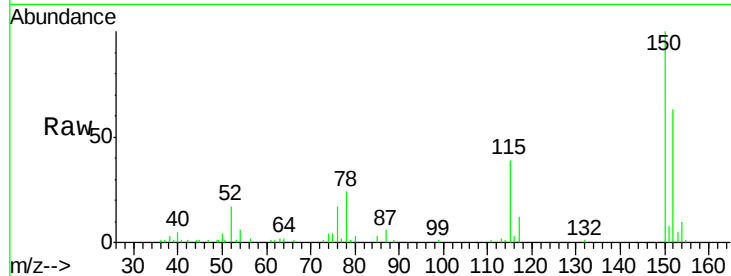




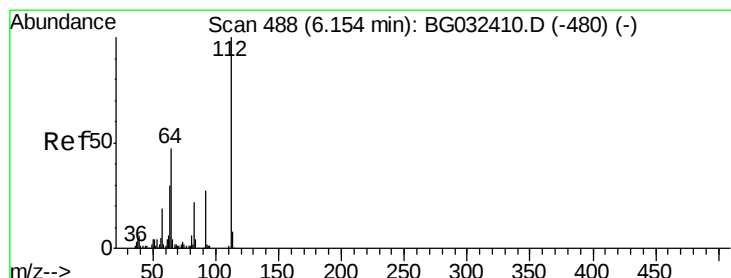
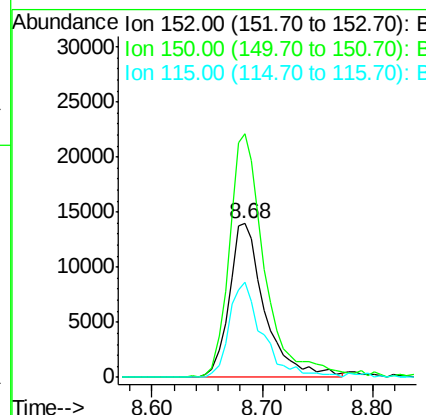
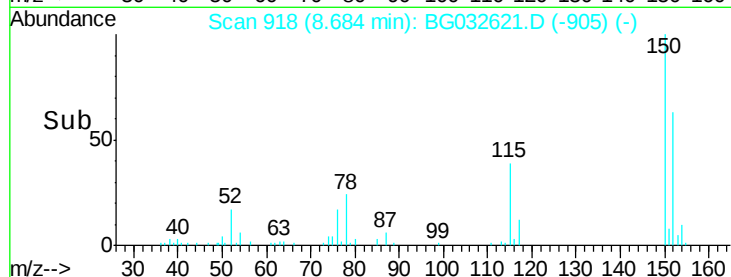
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.68 min Scan# 918  
 Delta R.T. -0.03 min  
 Lab File: BG032621.D  
 Acq: 8 Feb 2018 21:49

Instrument :  
 BNA\_G  
 ClientSampled :  
 B8

Tot Ion:152 Resp: 31402  
 Ion Ratio Lower Upper  
 152 100  
 150 158.5 126.6 189.8  
 115 62.2 53.0 79.4

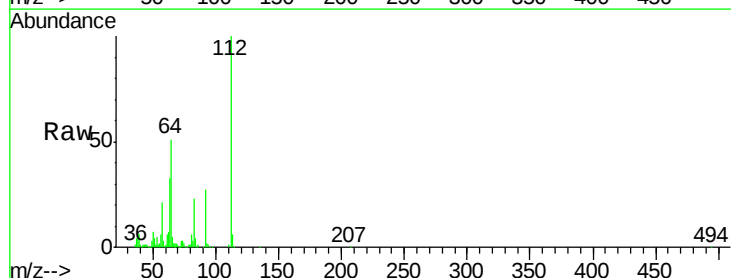


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

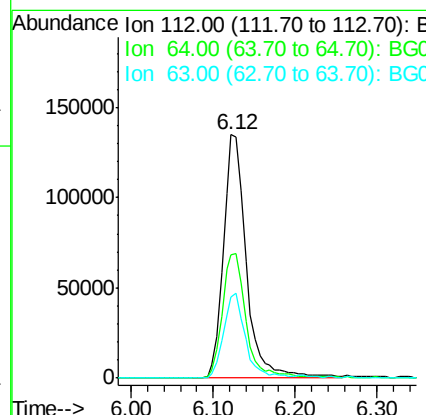
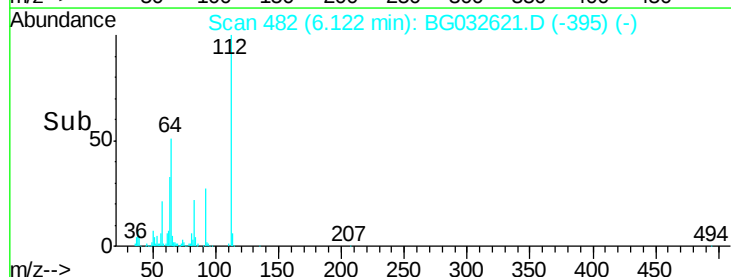


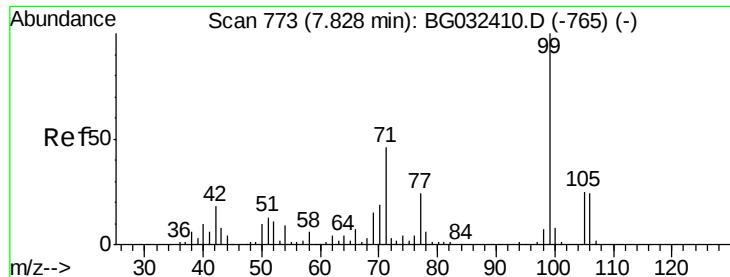
#5  
 2-Fluorophenol  
 Concen: 169.150 ng  
 RT: 6.12 min Scan# 482  
 Delta R.T. -0.02 min  
 Lab File: BG032621.D  
 Acq: 8 Feb 2018 21:49

Tgt Ion:112 Resp: 264451  
 Ion Ratio Lower Upper  
 112 100  
 64 50.8 56.3 84.5#  
 63 33.4 30.1 45.1



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: 153.249 ng

RT: 7.80 min Scan# 768

Delta R.T. -0.02 min

Lab File: BG032621.D

Acq: 8 Feb 2018 21:49

Instrument :

BNA\_G

ClientSampleId :

B8

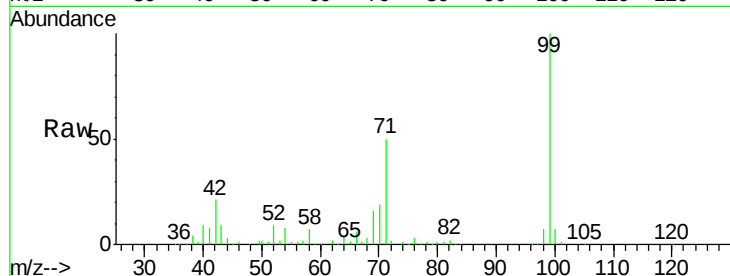
Tot Ion: 99 Resp: 319714

Ion Ratio Lower Upper

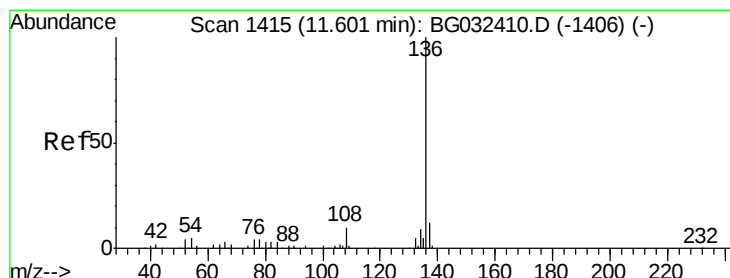
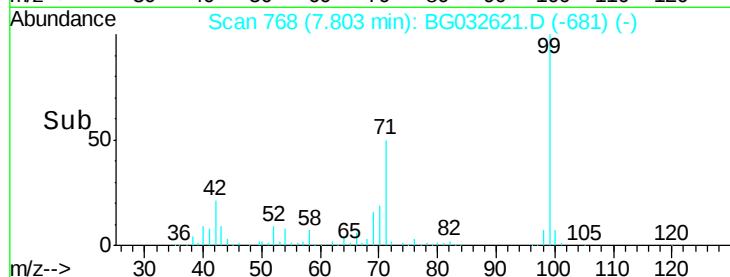
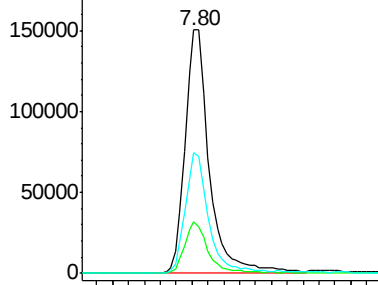
99 100

42 21.0 14.1 21.1

71 49.5 26.1 39.1#



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: 20.000 ng

RT: 11.56 min Scan# 1407

Delta R.T. -0.03 min

Lab File: BG032621.D

Acq: 8 Feb 2018 21:49

Tgt Ion: 136 Resp: 129294

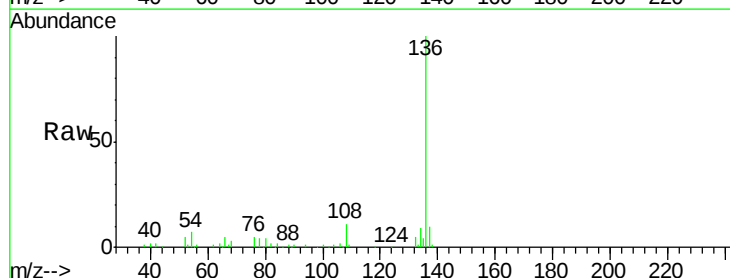
Ion Ratio Lower Upper

136 100

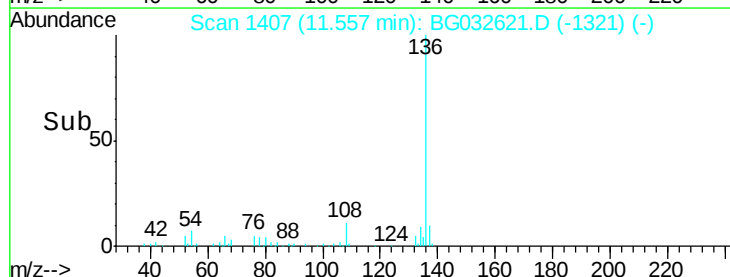
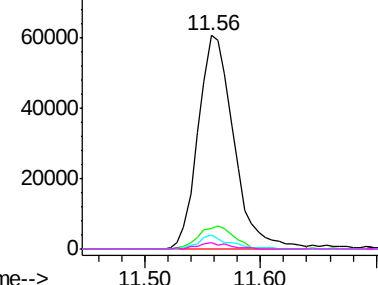
137 9.5 9.2 13.8

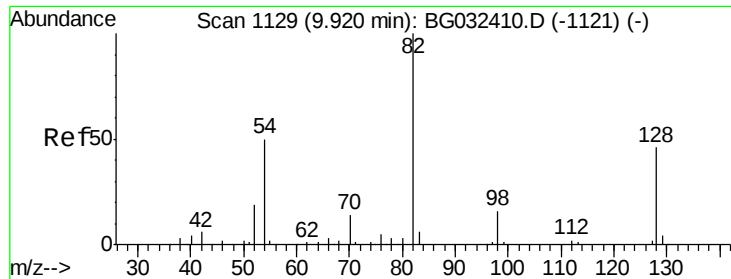
54 6.6 10.3 15.5#

68 2.9 4.5 6.7#



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

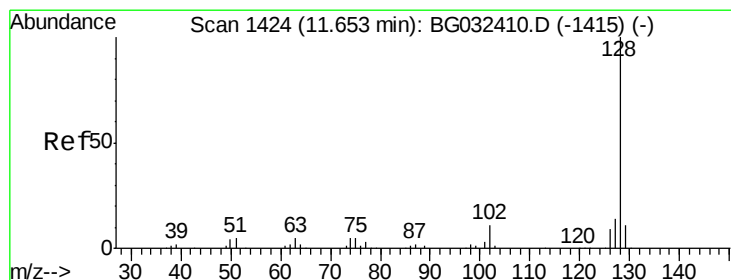
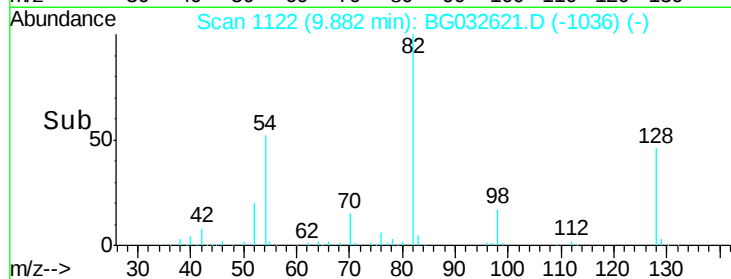
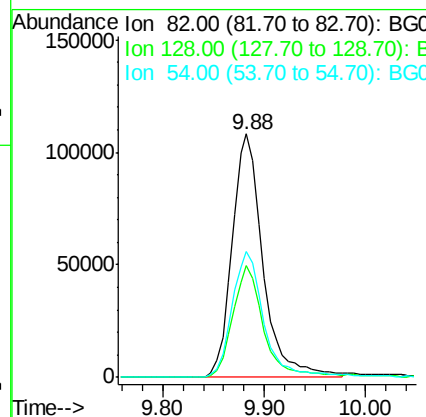
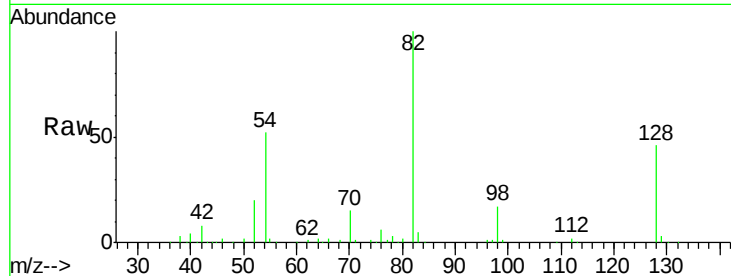




#23  
 Nitrobenzene-d5  
 Concen: 110.331 ng  
 RT: 9.88 min Scan# 1122  
 Delta R.T. -0.03 min  
 Lab File: BG032621.D  
 Acq: 8 Feb 2018 21:49

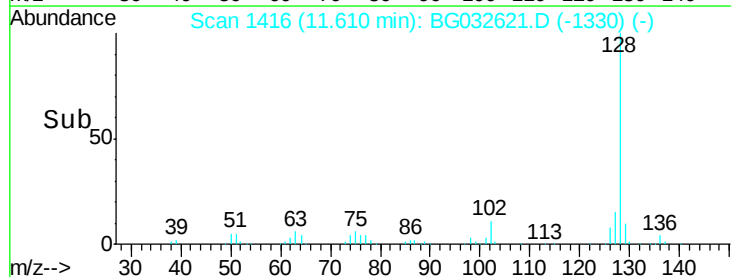
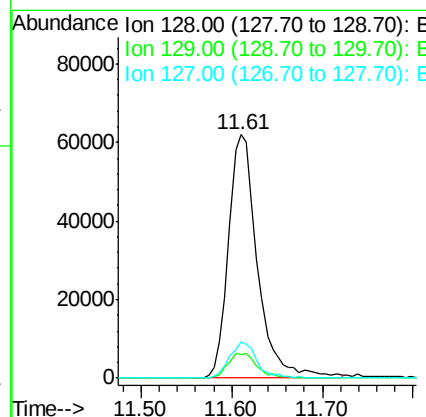
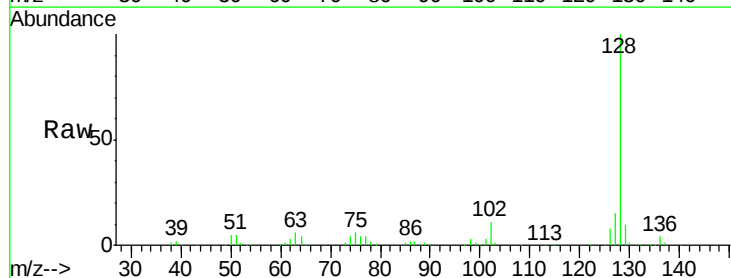
Instrument :  
 BNA\_G  
 ClientSampleID :  
 B8

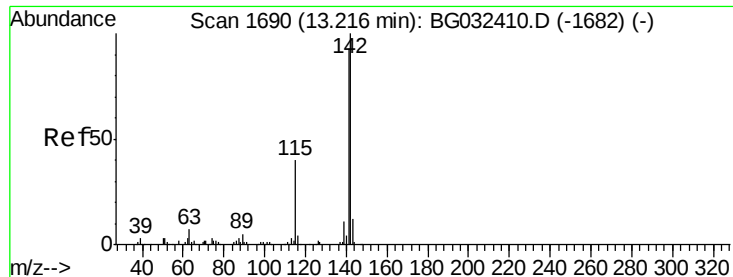
Tot Ion: 82 Resp: 228387  
 Ion Ratio Lower Upper  
 82 100  
 128 45.8 29.7 44.5#  
 54 51.7 43.1 64.7



#31  
 Naphthalene  
 Concen: 21.797 ng  
 RT: 11.61 min Scan# 1416  
 Delta R.T. -0.03 min  
 Lab File: BG032621.D  
 Acq: 8 Feb 2018 21:49

Tgt Ion: 128 Resp: 137643  
 Ion Ratio Lower Upper  
 128 100  
 129 9.6 8.6 12.8  
 127 15.1 11.6 17.4





#37

2-Methylnaphthalene

Concen: 3.821 ng

RT: 13.18 min Scan# 1684

Delta R.T. -0.02 min

Lab File: BG032621.D

Acq: 8 Feb 2018 21:49

Instrument :

BNA\_G

ClientSampleId :

B8

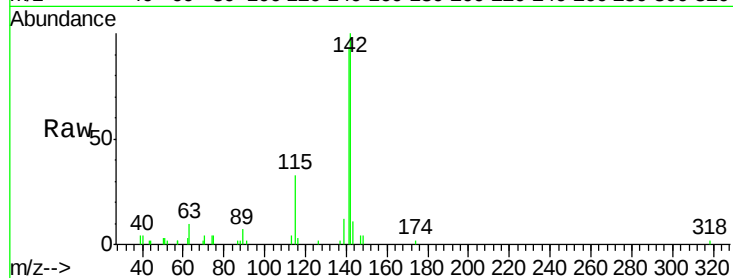
Tot Ion:142 Resp: 20269

Ion Ratio Lower Upper

142 100

141 93.2 67.1 100.7

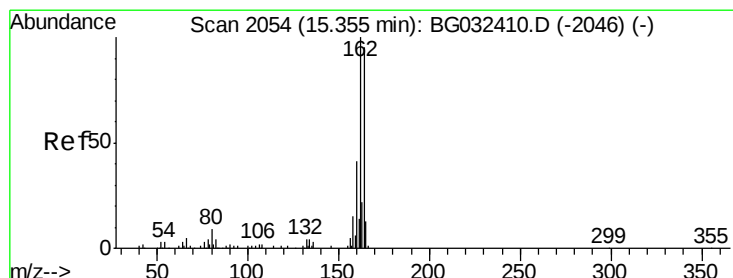
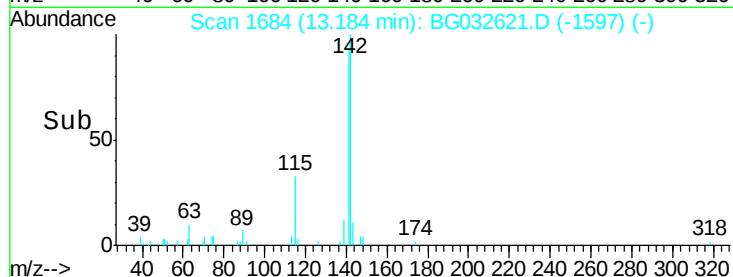
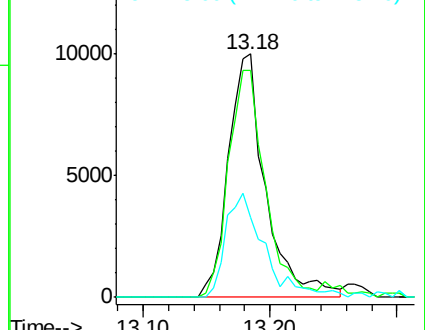
115 32.6 30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.32 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BG032621.D

Acq: 8 Feb 2018 21:49

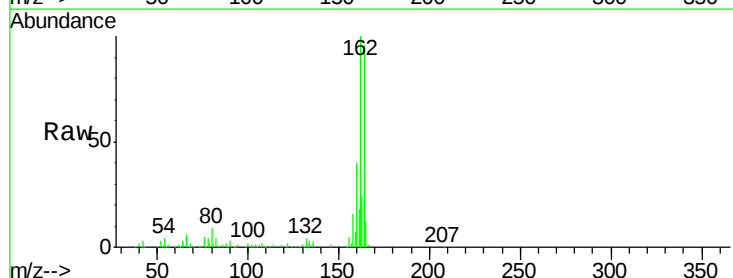
Tgt Ion:164 Resp: 107499

Ion Ratio Lower Upper

164 100

162 103.6 78.8 118.2

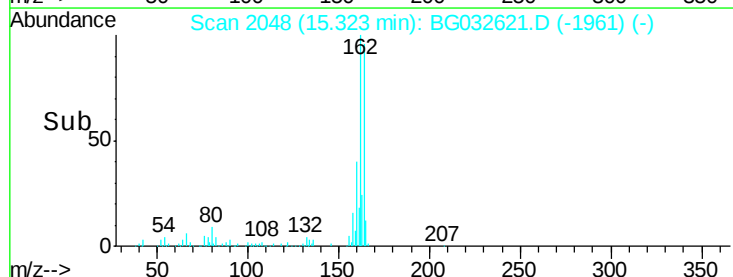
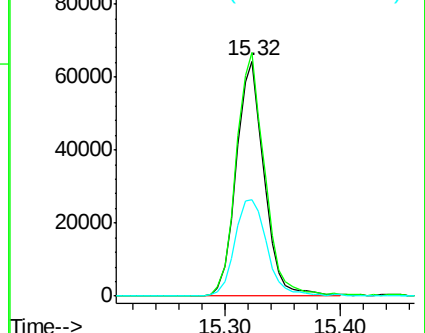
160 41.0 35.4 53.0

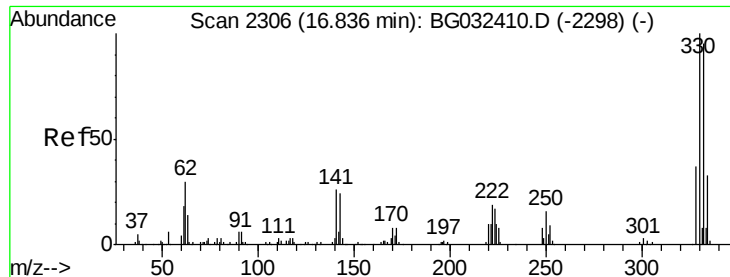


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

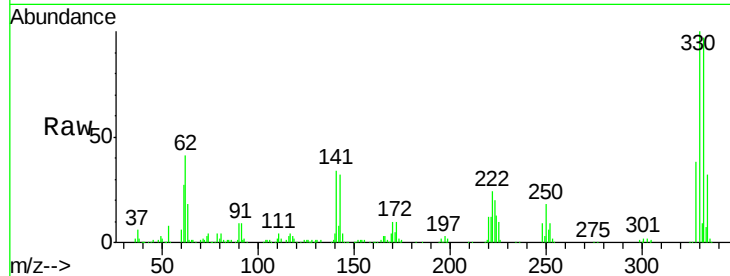




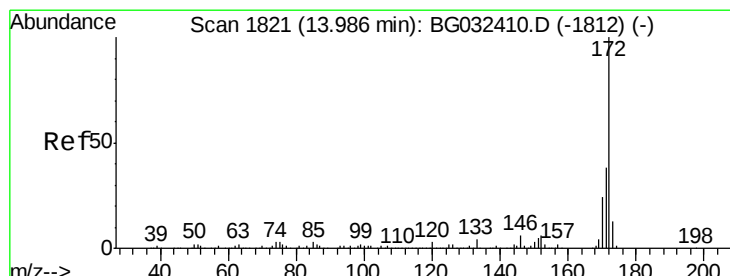
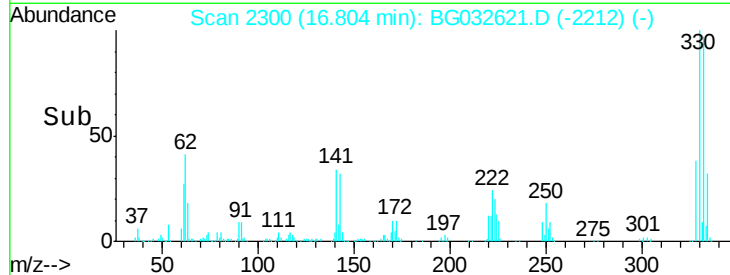
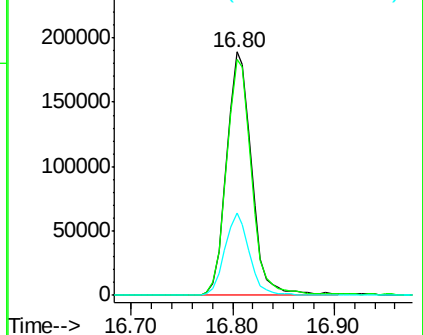
#41  
 2,4,6-Tribromophenol  
 Concen: 158.379 ng  
 RT: 16.80 min Scan# 2300  
 Delta R.T. -0.01 min  
 Lab File: BG032621.D  
 Acq: 8 Feb 2018 21:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B8

Tot Ion:330 Resp: 324082  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 77.0 115.6  
 141 33.0 25.2 37.8

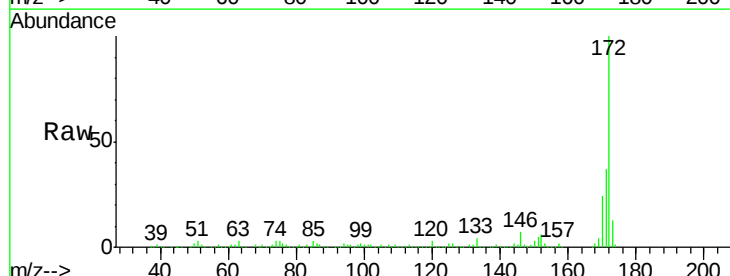


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

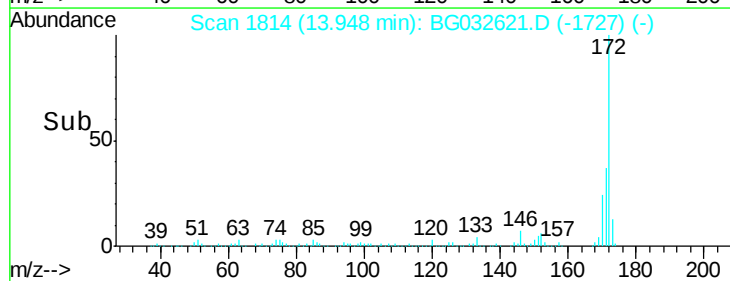
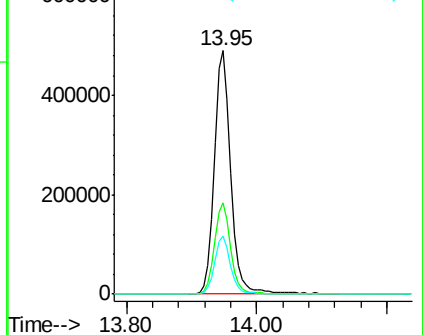


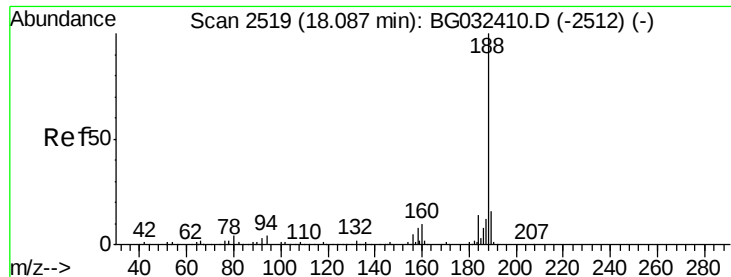
#44  
 2-Fluorobiphenyl  
 Concen: 94.666 ng  
 RT: 13.95 min Scan# 1814  
 Delta R.T. -0.02 min  
 Lab File: BG032621.D  
 Acq: 8 Feb 2018 21:49

Tgt Ion:172 Resp: 856195  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 30.0 45.0  
 170 23.8 19.5 29.3



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

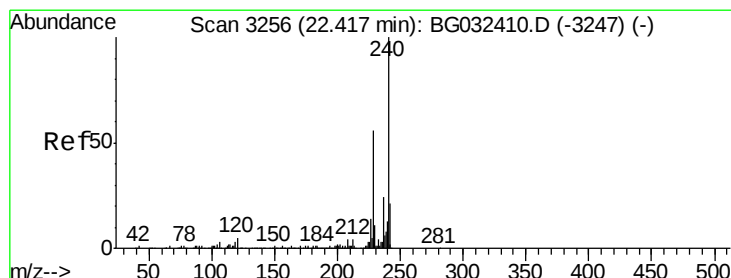
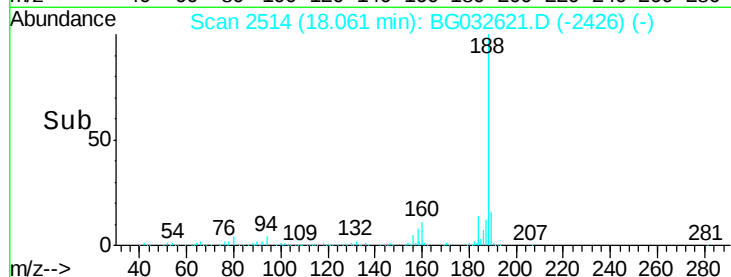
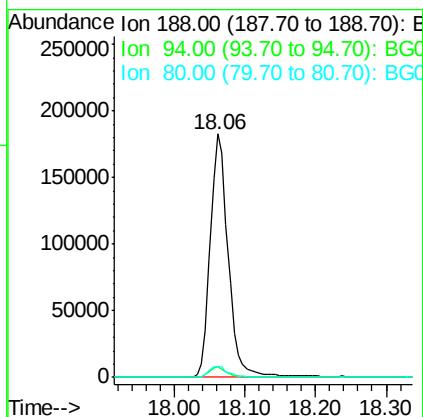
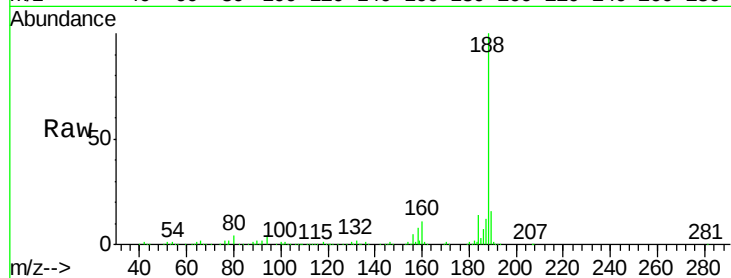




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.06 min Scan# 2514  
Delta R.T. -0.01 min  
Lab File: BG032621.D  
Acq: 8 Feb 2018 21:49

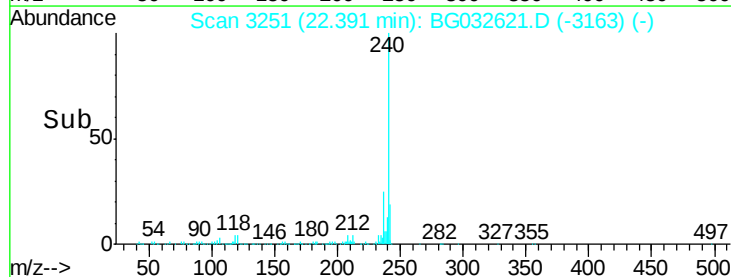
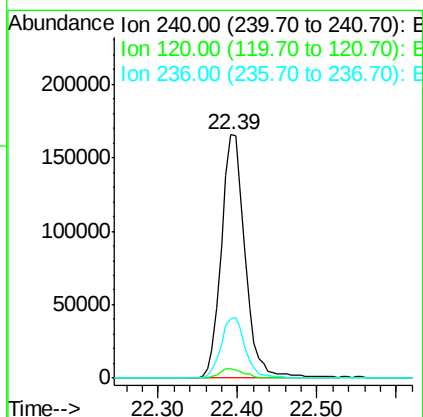
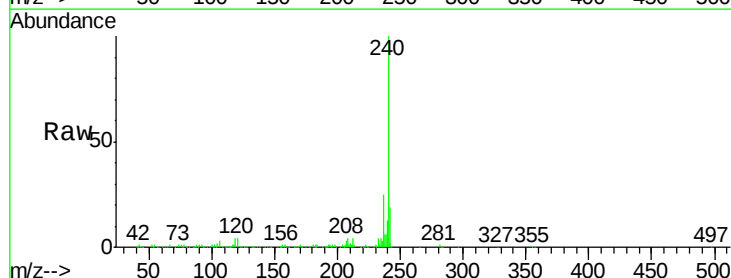
Instrument :  
BNA\_G  
ClientSampleId :  
B8

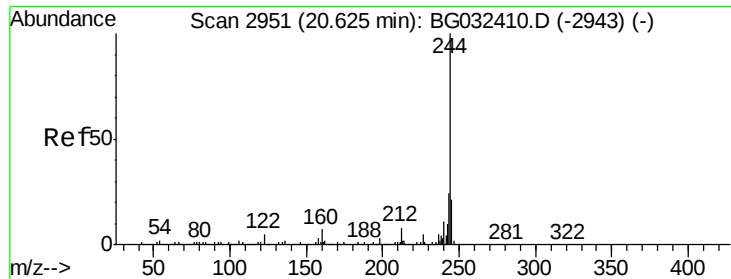
Tot Ion:188 Resp: 326063  
Ion Ratio Lower Upper  
188 100  
94 4.3 6.9 10.3#  
80 4.2 7.7 11.5#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.39 min Scan# 3251  
Delta R.T. -0.01 min  
Lab File: BG032621.D  
Acq: 8 Feb 2018 21:49

Tgt Ion:240 Resp: 344385  
Ion Ratio Lower Upper  
240 100  
120 4.0 6.8 10.2#  
236 24.5 20.9 31.3





#78

Terphenyl-d14

Concen: 102.790 ng

RT: 20.61 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BG032621.D

Acq: 8 Feb 2018 21:49

Instrument :

BNA\_G

ClientSampled :

B8

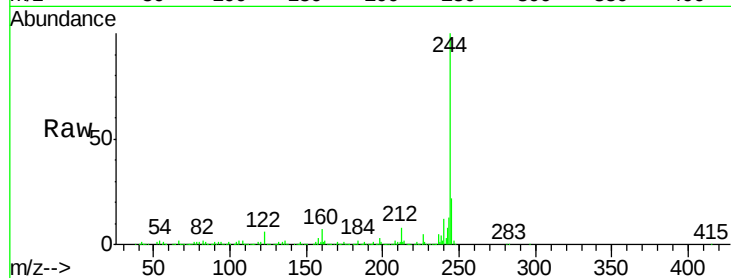
Tot Ion:244 Resp: 1652565

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

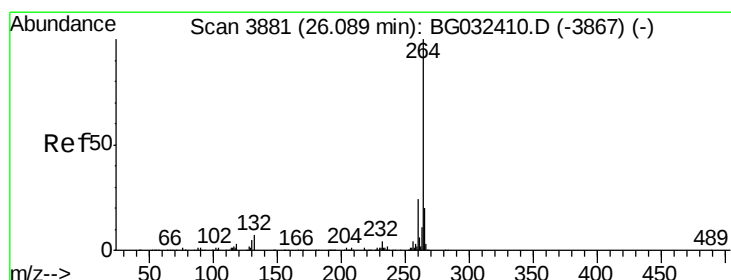
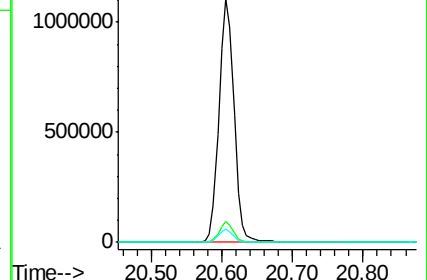
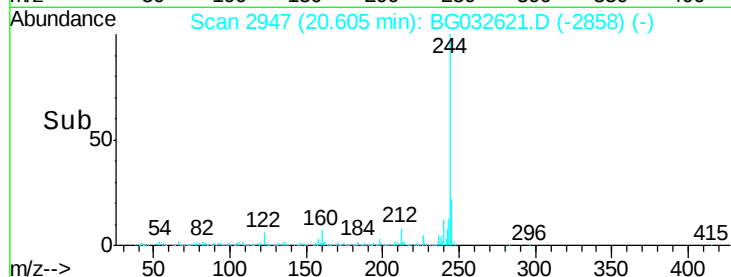
122 5.6 7.0 10.4#



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: 20.000 ng

RT: 26.06 min Scan# 3876

Delta R.T. -0.00 min

Lab File: BG032621.D

Acq: 8 Feb 2018 21:49

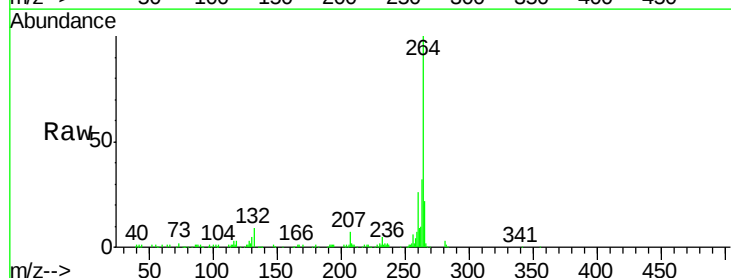
Tgt Ion:264 Resp: 210249

Ion Ratio Lower Upper

264 100

260 26.2 17.4 26.0#

265 21.5 17.7 26.5



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

