

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091415\  
 Data File : BG018676.D  
 Acq On : 15 Sep 2015 00:03  
 Operator : UM/IZ  
 Sample : G3648-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SWD-1(SET)

Quant Time: Sep 15 01:33:08 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 15 01:23:14 2015  
 Response via : Initial Calibration

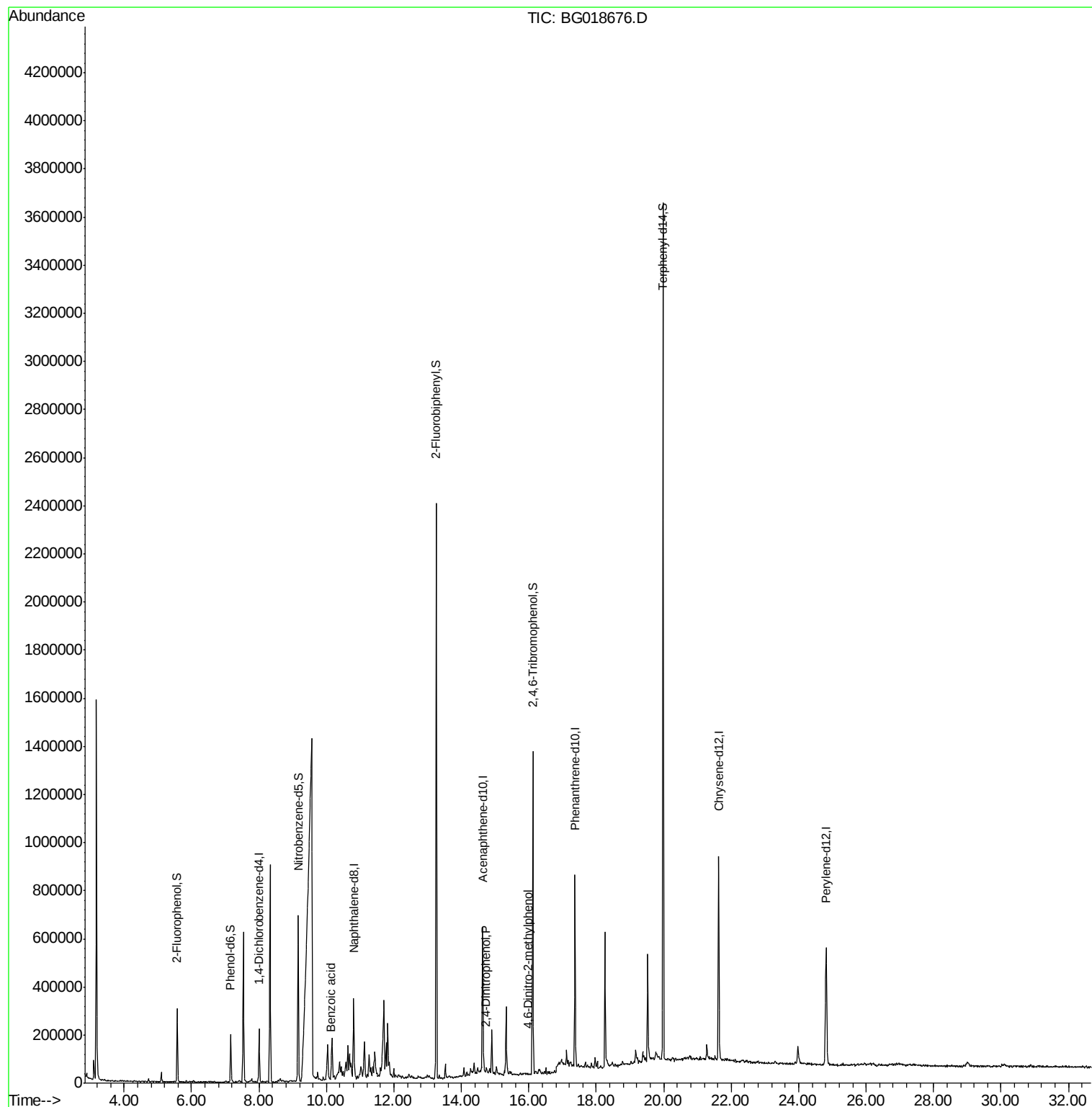
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.00  | 152  | 64319    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.80 | 136  | 291521   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.63 | 164  | 202895   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.37 | 188  | 510960   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 21.63 | 240  | 504833   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 24.81 | 264  | 500959   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.58  | 112  | 144215   | 38.73 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.16  | 99   | 128472   | 24.06 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.16  | 82   | 443930   | 85.21 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.12 | 330  | 267470   | 97.90 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 13.26 | 172  | 1269636  | 86.87 | ng    | 0.00     |
| 78) Terphenyl-d14              | 19.98 | 244  | 1525434  | 79.35 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 32) Benzoic acid               | 10.12 | 122  | 576      | 8.06  | ng    | # 57     |
| 53) 2,4-Dinitrophenol          | 14.72 | 184  | 58       | 7.67  | ng    | # 1      |
| 64) 4,6-Dinitro-2-methylphenol | 15.99 | 198  | 71       | 5.43  | ng    | # 1      |

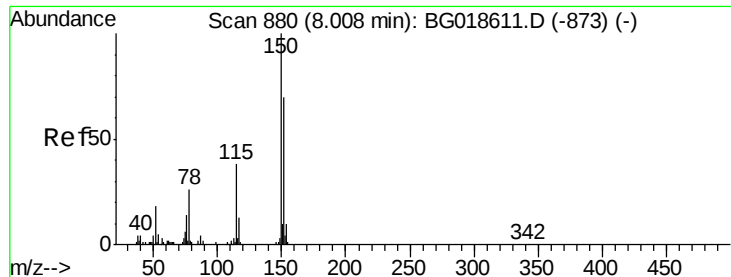
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SWD-1(SET)

Quant Time: Sep 15 01:33:08 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 15 01:23:14 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.00 min Scan# 879

Delta R.T. 0.00 min

Lab File: BG018676.D

Acq: 15 Sep 2015 00:03

Instrument :

BNA\_G

ClientSampleId :

SWD-1(SET)

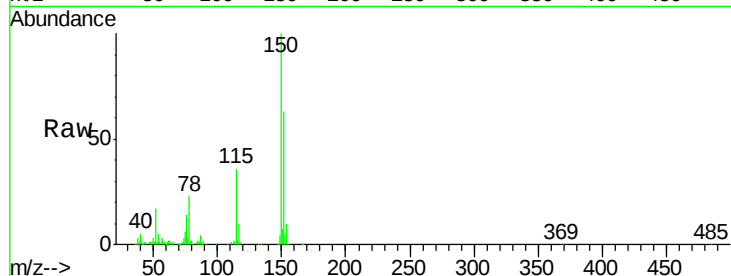
Tot Ion:152 Resp: 64319

Ion Ratio Lower Upper

152 100

150 158.1 115.0 172.4

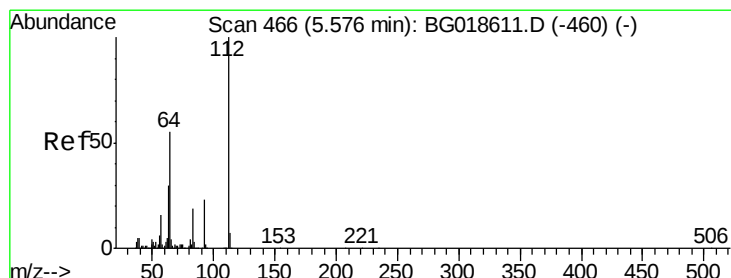
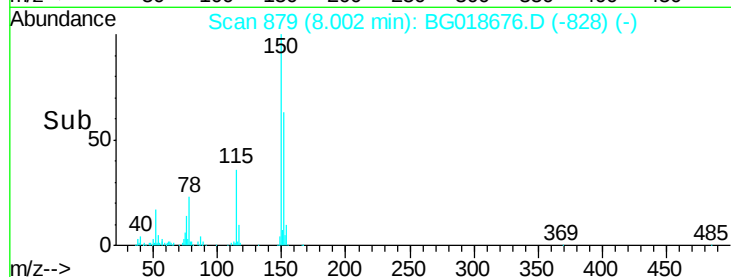
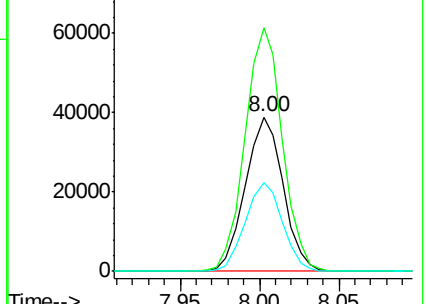
115 57.2 43.9 65.9



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: 38.73 ng

RT: 5.58 min Scan# 466

Delta R.T. 0.00 min

Lab File: BG018676.D

Acq: 15 Sep 2015 00:03

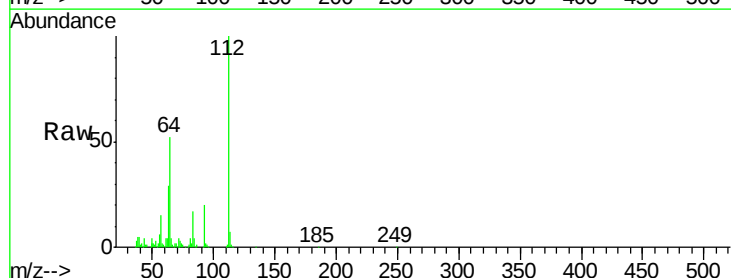
Tgt Ion:112 Resp: 144215

Ion Ratio Lower Upper

112 100

64 51.5 43.7 65.5

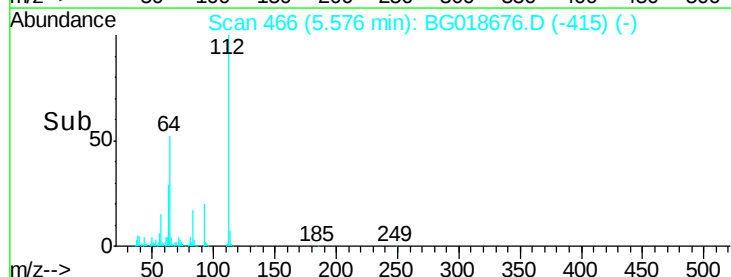
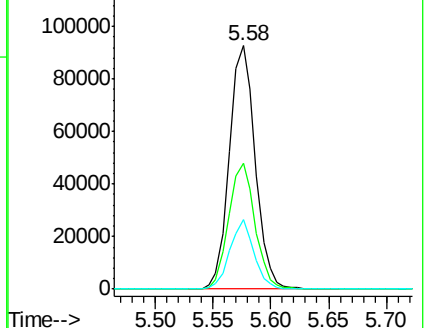
63 28.8 24.0 36.0

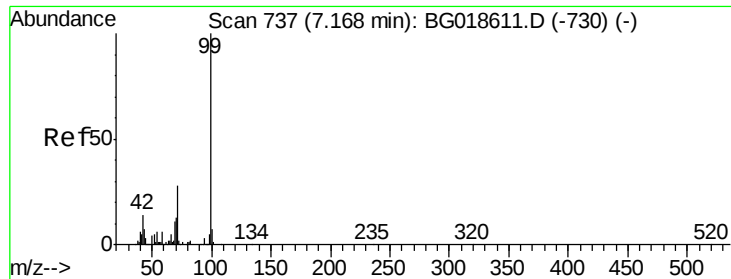


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 24.06 ng

RT: 7.16 min Scan# 736

Delta R.T. 0.00 min

Lab File: BG018676.D

Acq: 15 Sep 2015 00:03

Instrument :

BNA\_G

ClientSampleId :

SWD-1(SET)

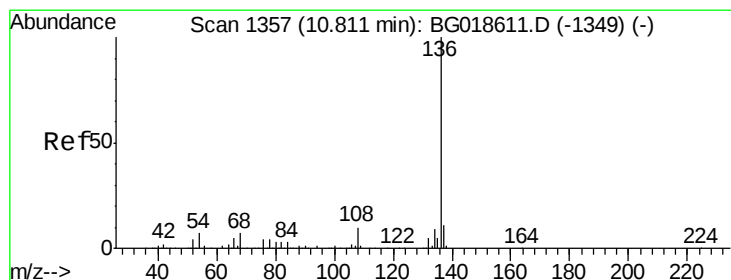
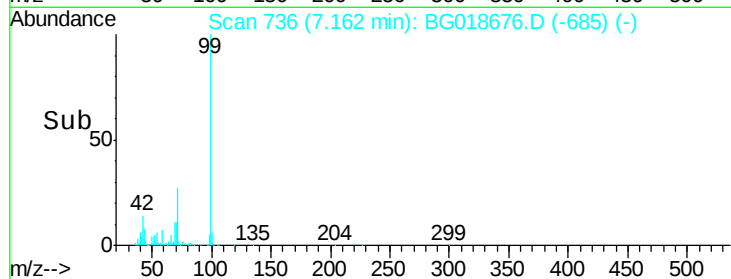
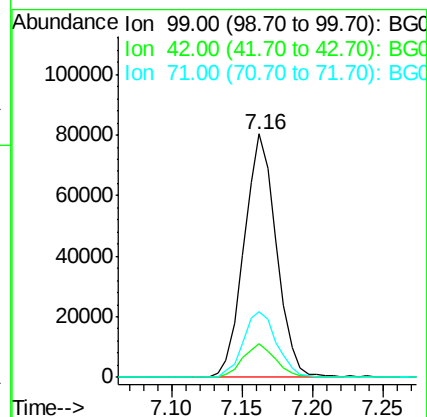
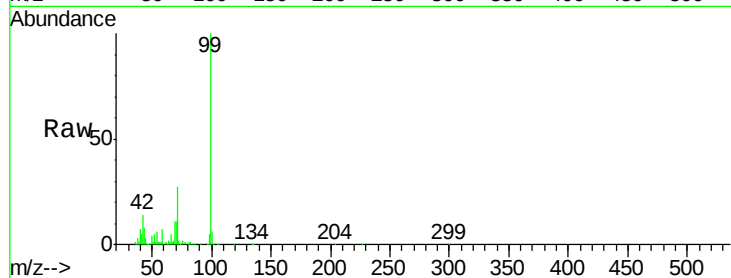
Tot Ion: 99 Resp: 128472

Ion Ratio Lower Upper

99 100

42 13.6 11.5 17.3

71 27.1 22.6 34.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.80 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BG018676.D

Acq: 15 Sep 2015 00:03

Tgt Ion: 136 Resp: 291521

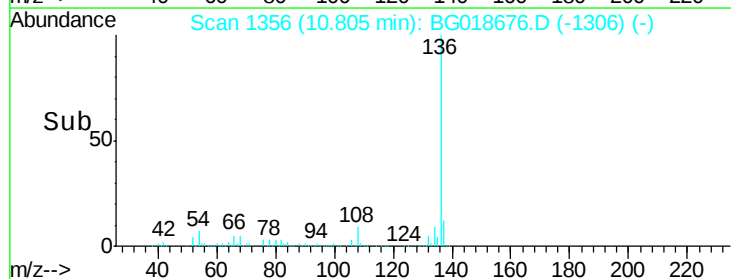
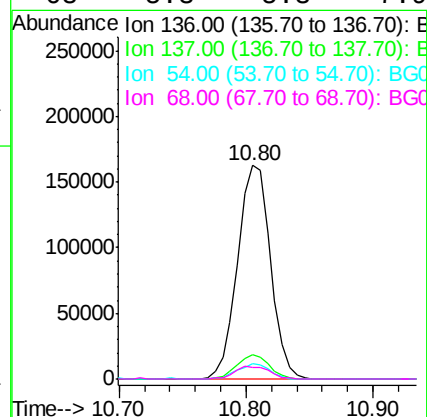
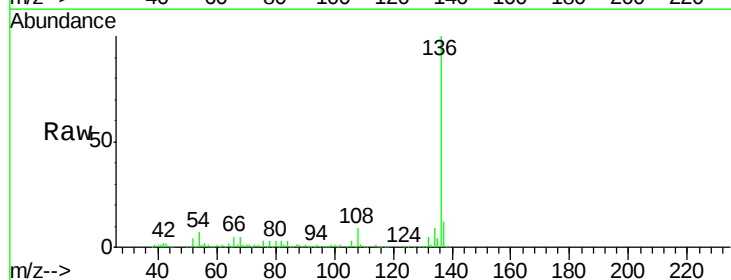
Ion Ratio Lower Upper

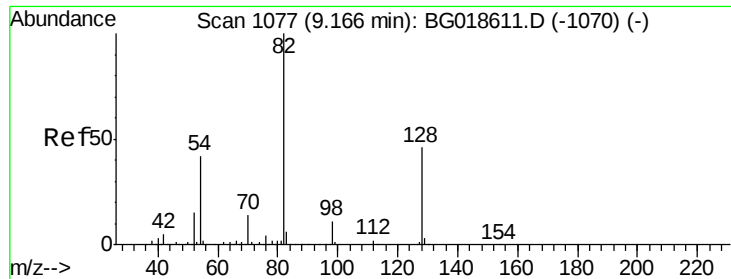
136 100

137 11.7 8.6 12.8

54 7.1 5.4 8.2

68 5.3 5.3 7.9

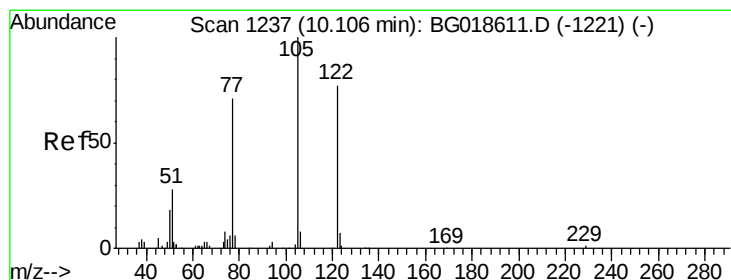
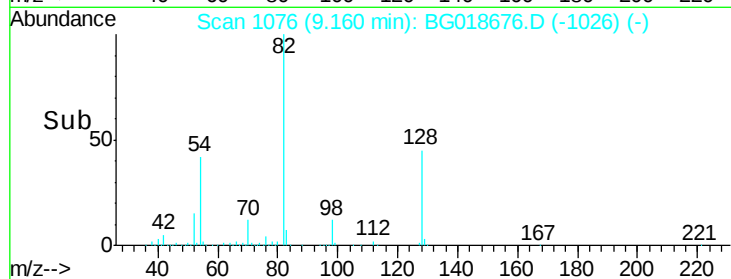
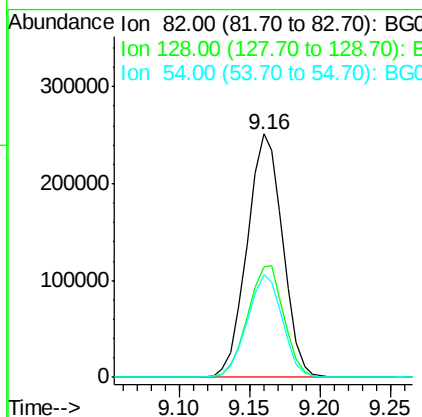
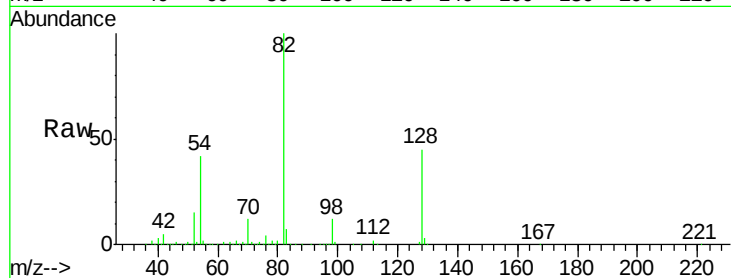




#23  
 Nitrobenzene-d5  
 Concen: 85.21 ng  
 RT: 9.16 min Scan# 1076  
 Delta R.T. -0.01 min  
 Lab File: BG018676.D  
 Acq: 15 Sep 2015 00:03

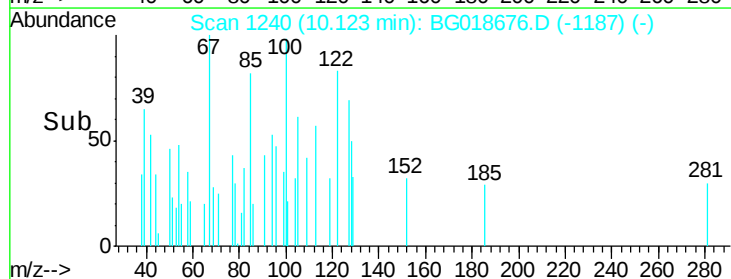
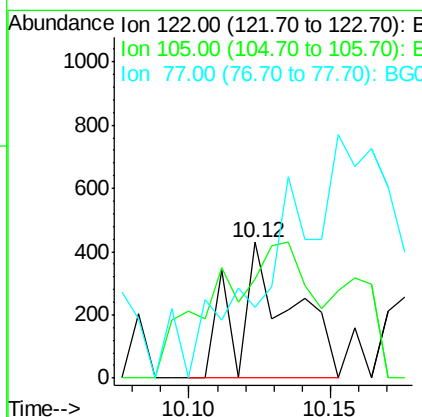
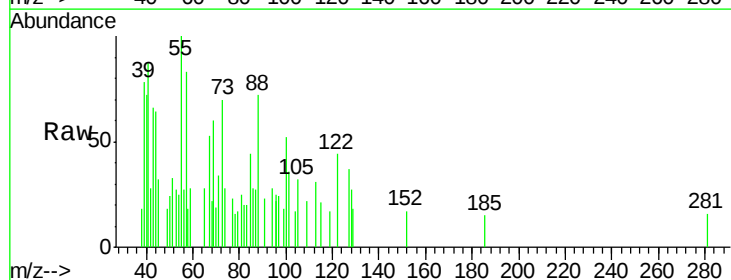
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SWD-1(SET)

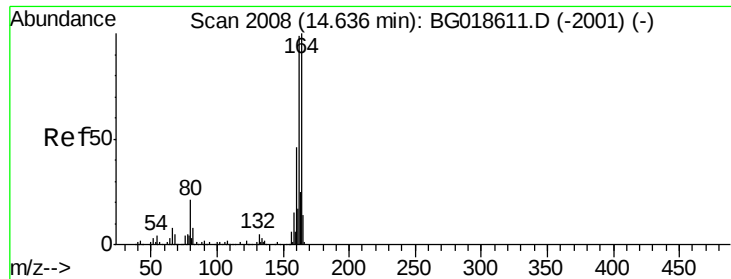
Tot Ion: 82 Resp: 443930  
 Ion Ratio Lower Upper  
 82 100  
 128 45.3 36.7 55.1  
 54 42.0 33.8 50.8



#32  
 Benzoic acid  
 Concen: 8.06 ng  
 RT: 10.12 min Scan# 1240  
 Delta R.T. 0.01 min  
 Lab File: BG018676.D  
 Acq: 15 Sep 2015 00:03

Tgt Ion:122 Resp: 576  
 Ion Ratio Lower Upper  
 122 100  
 105 73.0 103.8 143.8#  
 77 52.0 68.8 108.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.63 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BG018676.D

Acq: 15 Sep 2015 00:03

Instrument :

BNA\_G

ClientSampleId :

SWD-1(SET)

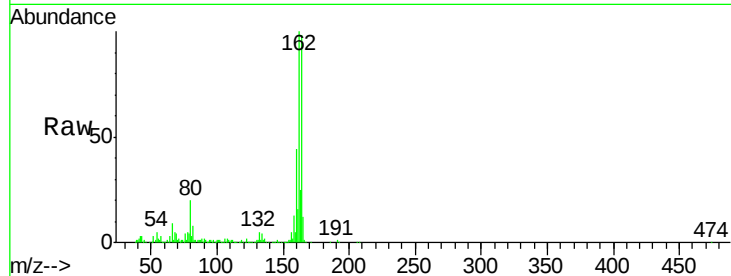
Tot Ion:164 Resp: 202895

Ion Ratio Lower Upper

164 100

162 102.0 78.8 118.2

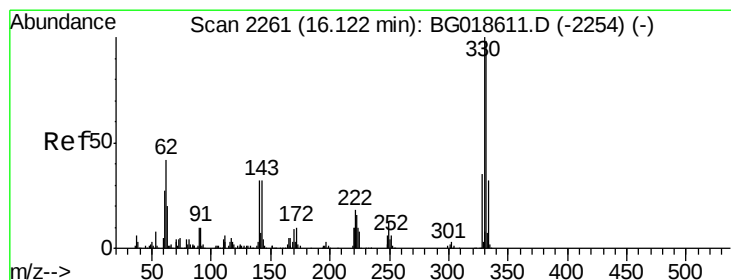
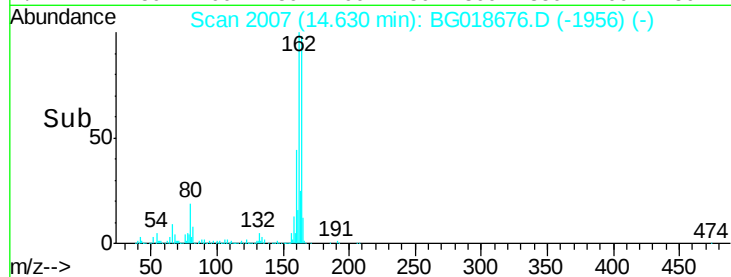
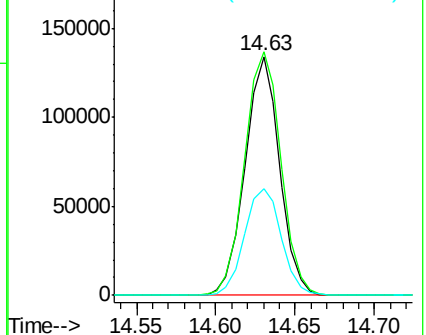
160 44.6 36.4 54.6



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: 97.90 ng

RT: 16.12 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BG018676.D

Acq: 15 Sep 2015 00:03

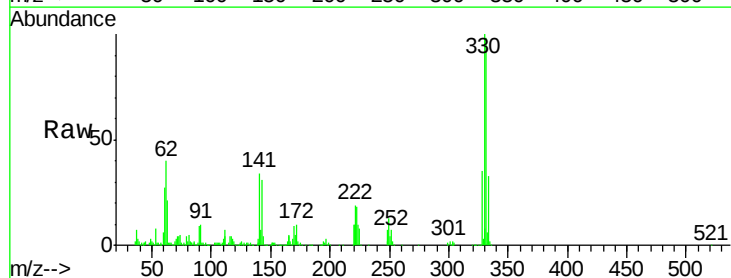
Tgt Ion:330 Resp: 267470

Ion Ratio Lower Upper

330 100

332 96.4 78.1 117.1

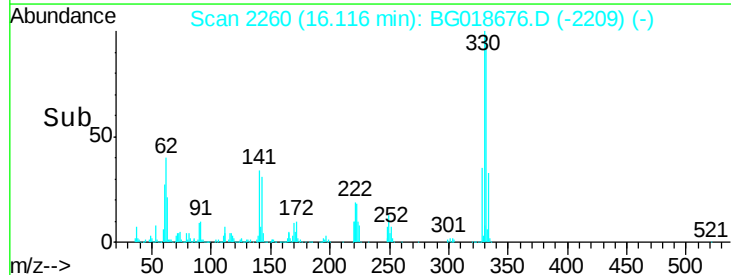
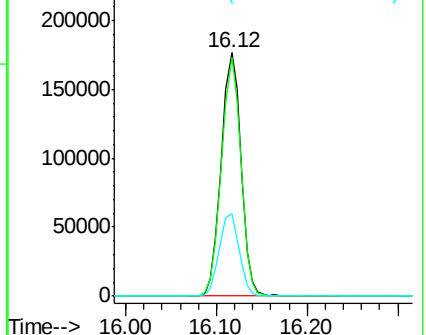
141 34.1 28.2 42.2



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

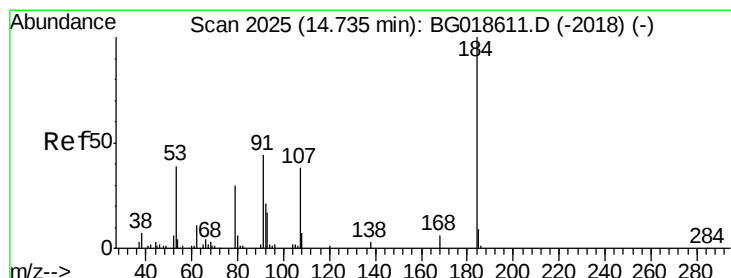
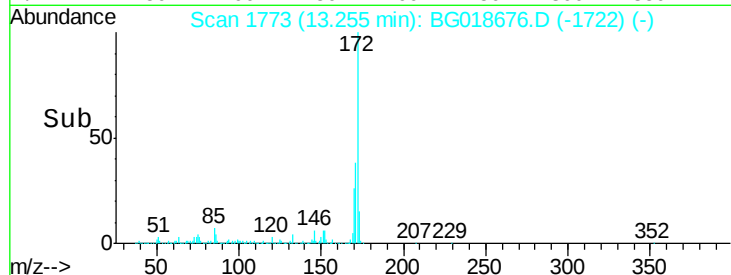
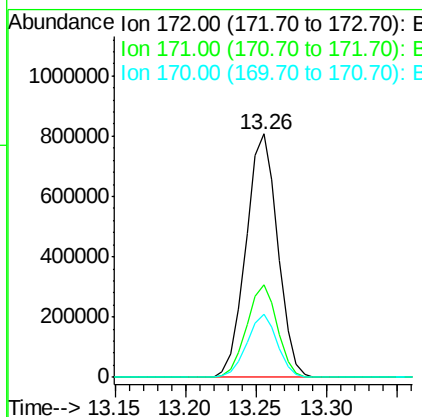
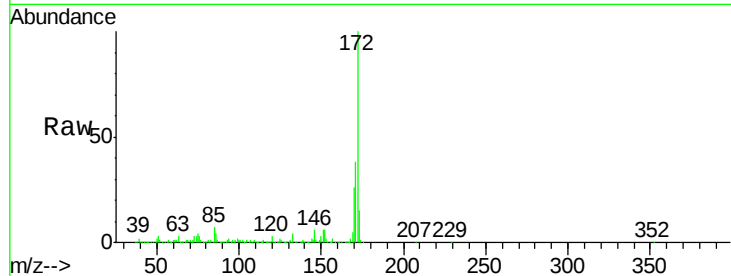




#44  
2-Fluorobiphenyl  
Concen: 86.87 ng  
RT: 13.26 min Scan# 1773  
Delta R.T. 0.00 min  
Lab File: BG018676.D  
Acq: 15 Sep 2015 00:03

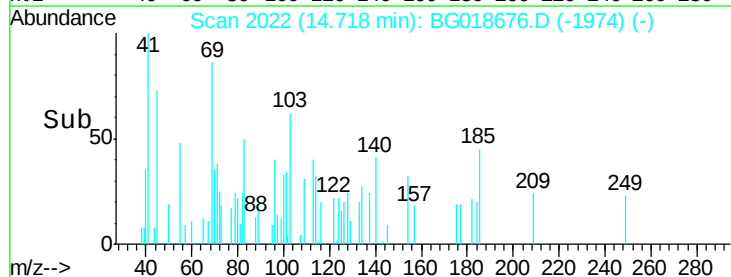
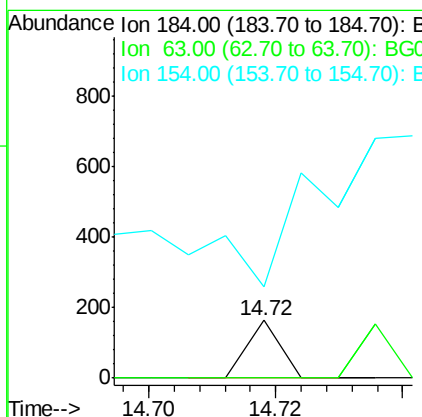
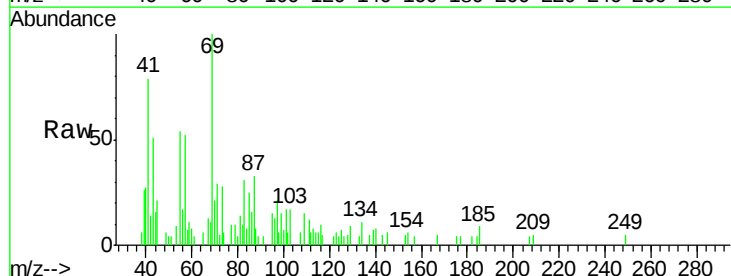
Instrument :  
BNA\_G  
ClientSampleId :  
SWD-1(SET)

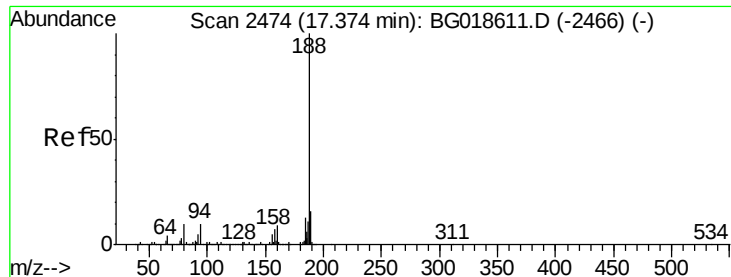
Tot Ion:172 Resp: 1269636  
Ion Ratio Lower Upper  
172 100  
171 38.3 29.0 43.6  
170 25.8 19.9 29.9



#53  
2,4-Dinitrophenol  
Concen: 7.67 ng  
RT: 14.72 min Scan# 2022  
Delta R.T. -0.02 min  
Lab File: BG018676.D  
Acq: 15 Sep 2015 00:03

Tgt Ion:184 Resp: 58  
Ion Ratio Lower Upper  
184 100  
63 0.0 42.7 64.1#  
154 157.3 44.3 66.5#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.37 min Scan# 2473

Delta R.T. -0.01 min

Lab File: BG018676.D

Acq: 15 Sep 2015 00:03

Instrument :

BNA\_G

ClientSampleId :

SWD-1(SET)

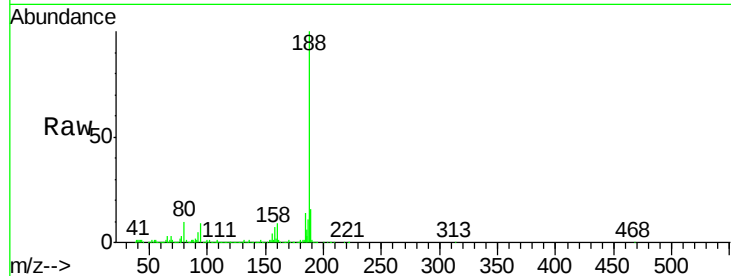
Tot Ion:188 Resp: 510960

Ion Ratio Lower Upper

188 100

94 9.0 7.7 11.5

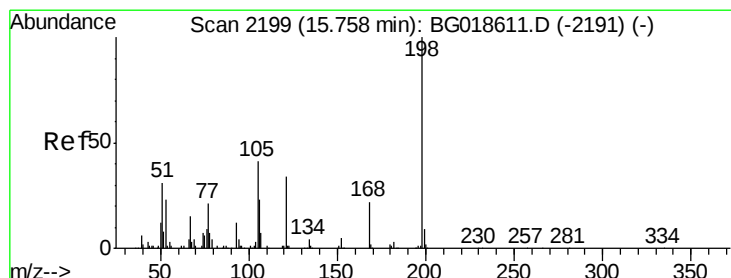
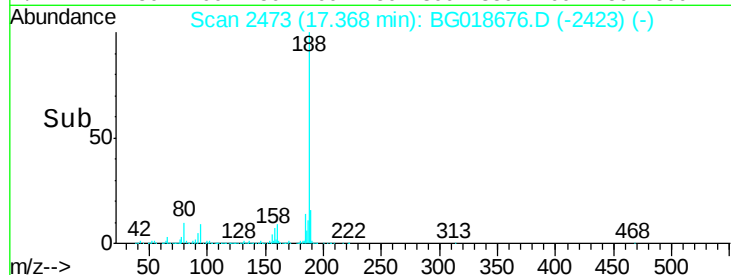
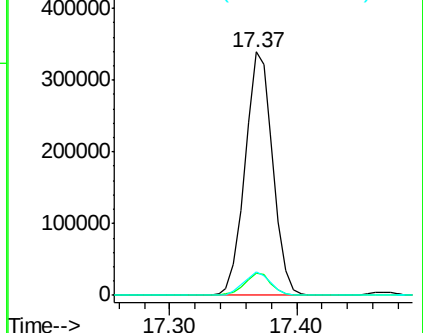
80 9.6 7.8 11.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.43 ng

RT: 15.99 min Scan# 2239

Delta R.T. 0.24 min

Lab File: BG018676.D

Acq: 15 Sep 2015 00:03

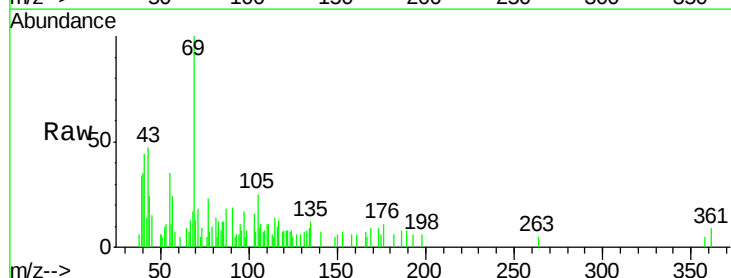
Tgt Ion:198 Resp: 71

Ion Ratio Lower Upper

198 100

51 93.5 14.2 54.2#

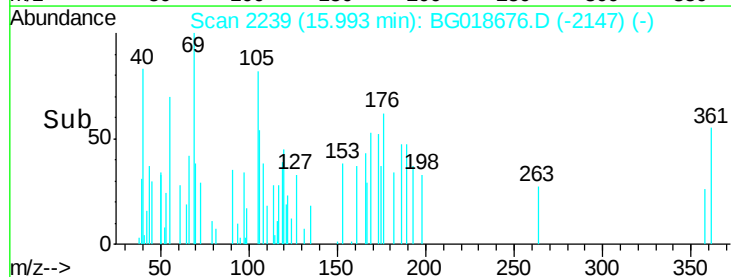
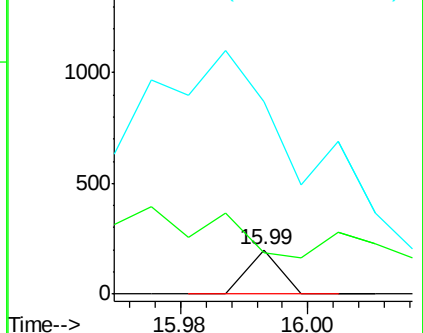
105 431.3 21.1 61.1#

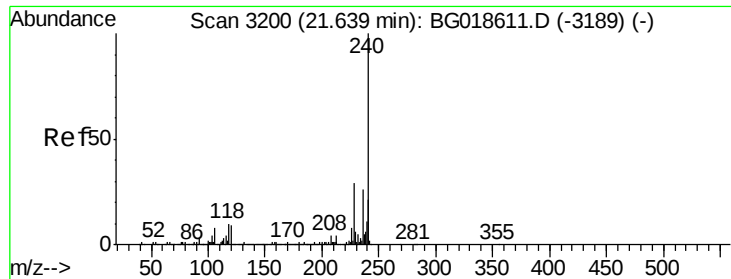


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3198

Delta R.T. -0.01 min

Lab File: BG018676.D

Acq: 15 Sep 2015 00:03

Instrument :

BNA\_G

ClientSampleId :

SWD-1(SET)

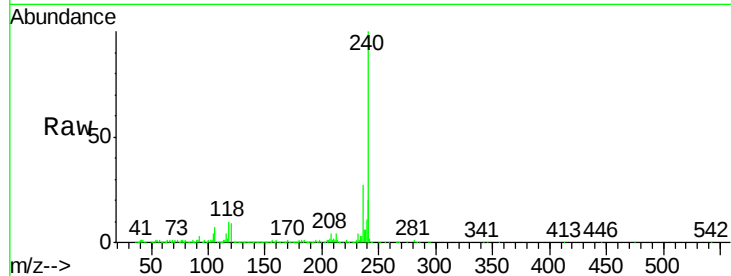
Tot Ion:240 Resp: 504833

Ion Ratio Lower Upper

240 100

120 9.4 7.4 11.0

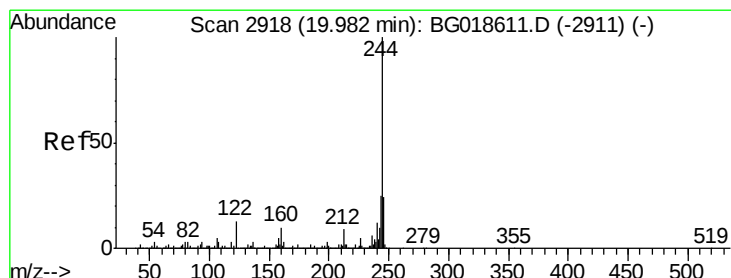
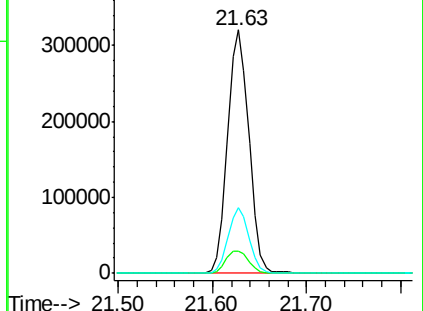
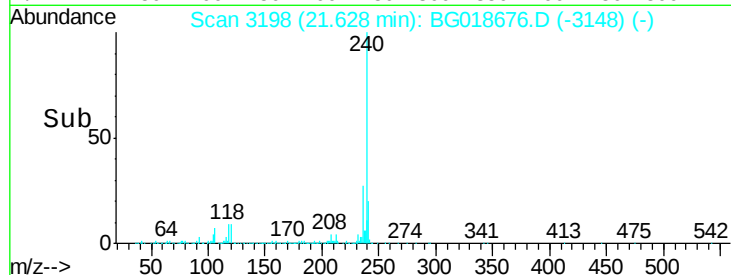
236 27.1 20.7 31.1



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: 79.35 ng

RT: 19.98 min Scan# 2918

Delta R.T. 0.00 min

Lab File: BG018676.D

Acq: 15 Sep 2015 00:03

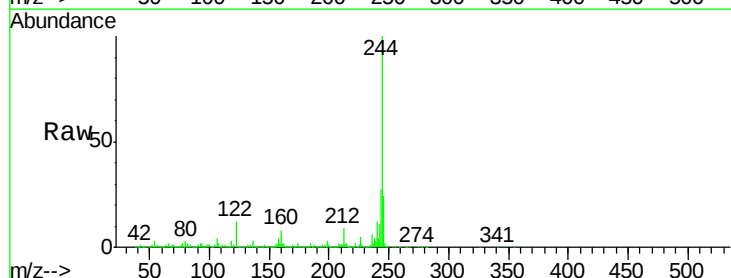
Tgt Ion:244 Resp: 1525434

Ion Ratio Lower Upper

244 100

212 8.9 6.9 10.3

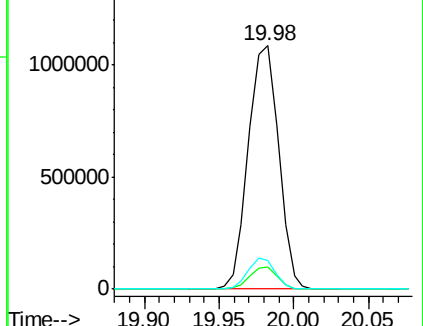
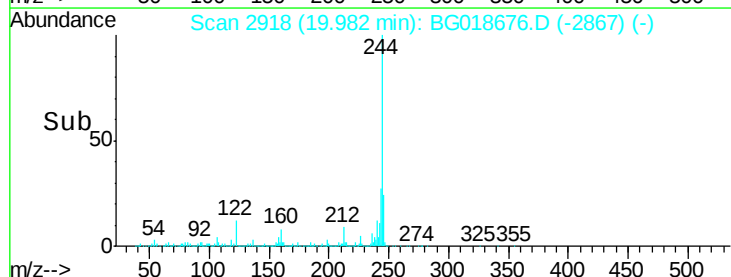
122 11.8 10.2 15.2

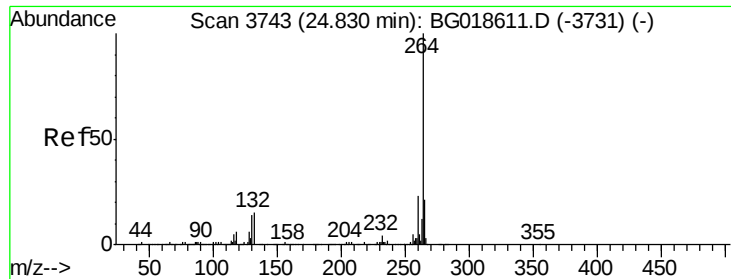


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 24.81 min Scan# 3740  
Delta R.T. -0.01 min  
Lab File: BG018676.D  
Acq: 15 Sep 2015 00:03

Instrument :  
BNA\_G  
ClientSampleId :  
SWD-1(SET)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 18.5  | 27.7  |
| 265     | 20.9  | 17.2  | 25.8  |

