

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101717\  
 Data File : BG029303.D  
 Acq On : 17 Oct 2017 16:14  
 Operator : SJ/JU  
 Sample : I5794-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 18 00:52:02 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 17:32:15 2017  
 Response via : Initial Calibration

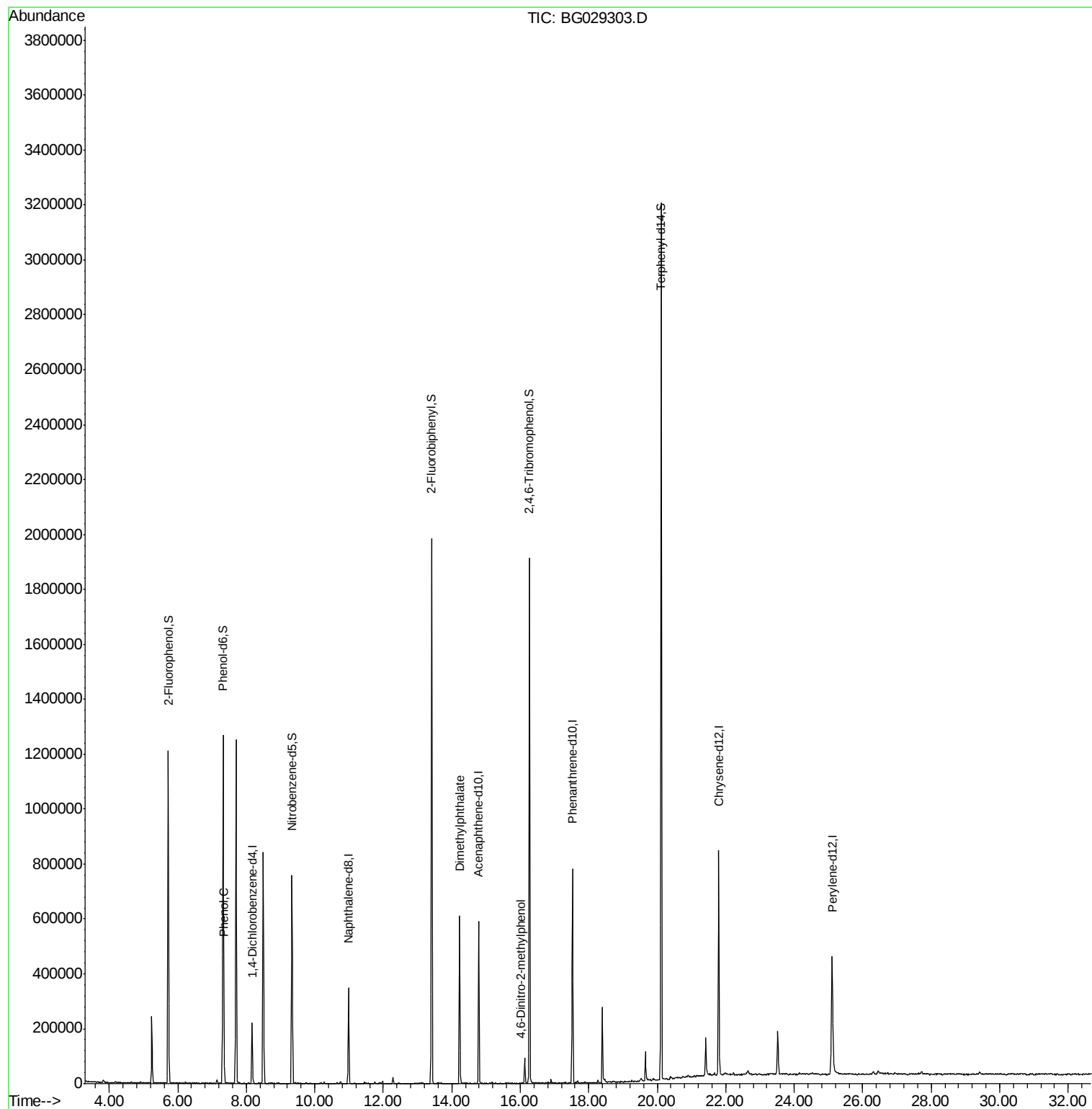
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.17  | 152  | 64187    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.99 | 136  | 312469   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.79 | 164  | 205343   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.52 | 188  | 476892   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.80 | 240  | 500832   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 25.10 | 264  | 512618   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.72  | 112  | 550791   | 143.35 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.32  | 99   | 757820   | 140.51 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.33  | 82   | 448623   | 91.24  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.27 | 330  | 381059   | 143.73 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 13.41 | 172  | 1064986  | 76.07  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.12 | 244  | 1481753  | 67.31  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.35  | 94   | 48663    | 8.37   | ng    | 95       |
| 49) Dimethylphthalate          | 14.23 | 163  | 417797   | 26.08  | ng    | 100      |
| 64) 4,6-Dinitro-2-methylphenol | 16.03 | 198  | 58       | 5.02   | ng    | # 29     |

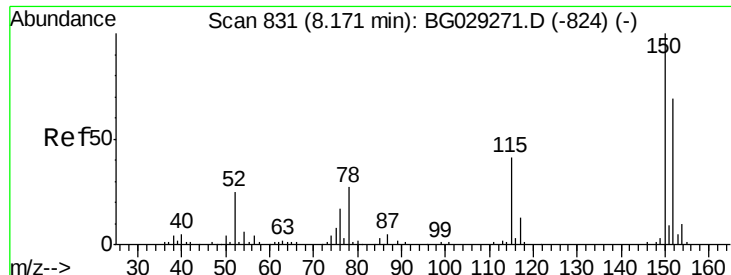
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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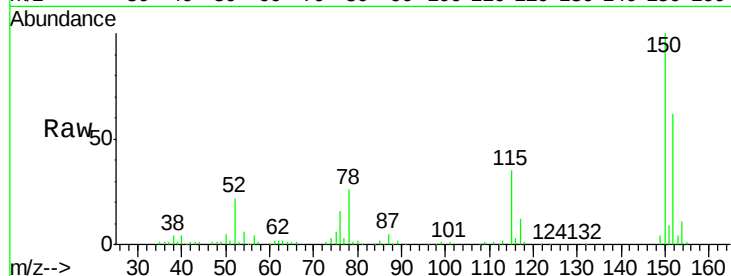




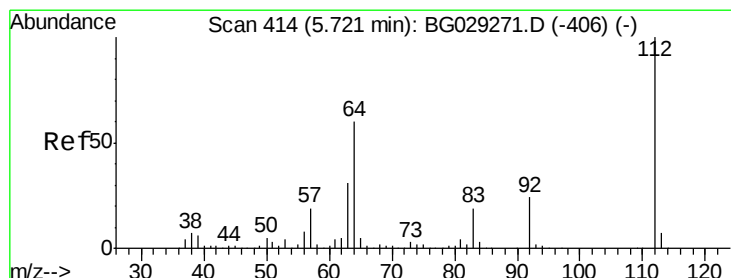
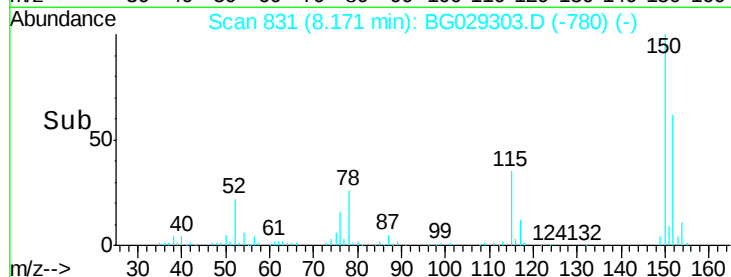
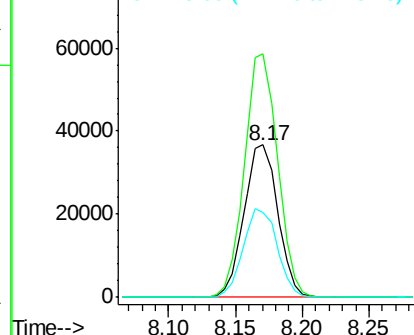
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.17 min Scan# 831  
 Delta R.T. 0.00 min  
 Lab File: BG029303.D  
 Acq: 17 Oct 2017 16:14

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:152 Resp: 64187  
 Ion Ratio Lower Upper  
 152 100  
 150 160.1 126.6 189.8  
 115 55.5 53.0 79.4

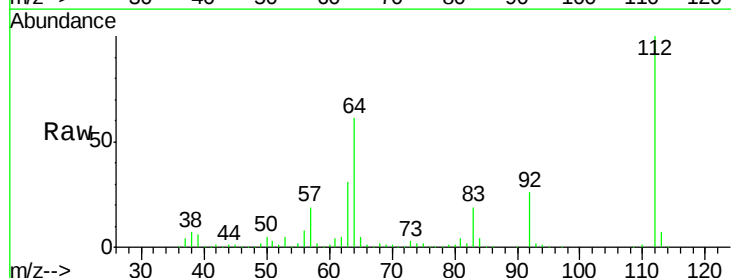


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

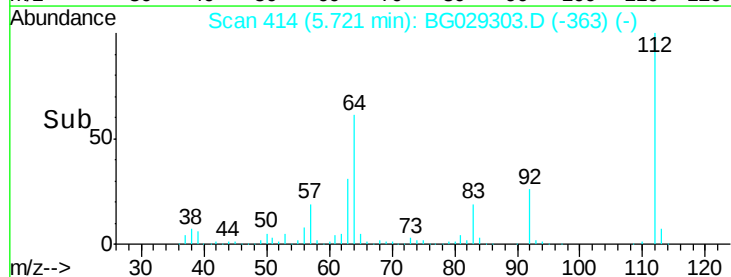
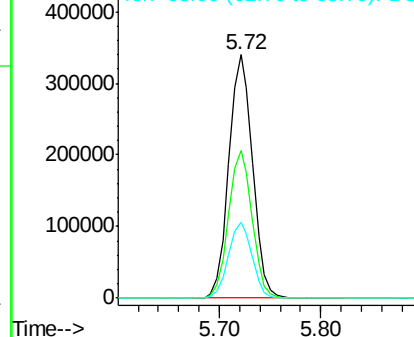


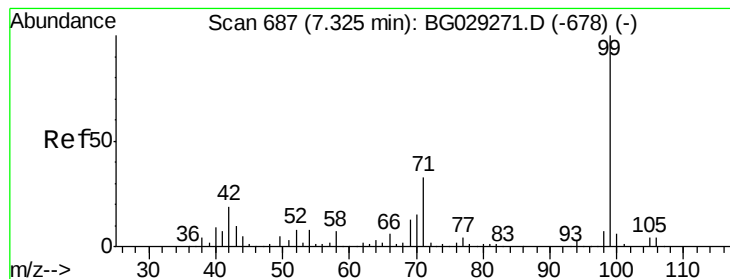
#5  
 2-Fluorophenol  
 Concen: 143.35 ng  
 RT: 5.72 min Scan# 414  
 Delta R.T. 0.00 min  
 Lab File: BG029303.D  
 Acq: 17 Oct 2017 16:14

Tgt Ion:112 Resp: 550791  
 Ion Ratio Lower Upper  
 112 100  
 64 60.6 56.3 84.5  
 63 31.1 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: 140.51 ng

RT: 7.32 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG029303.D

Acq: 17 Oct 2017 16:14

Instrument :

BNA\_G

ClientSampled :

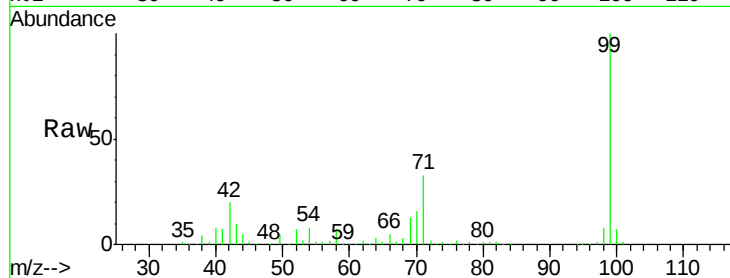
Tot Ion: 99 Resp: 757820

Ion Ratio Lower Upper

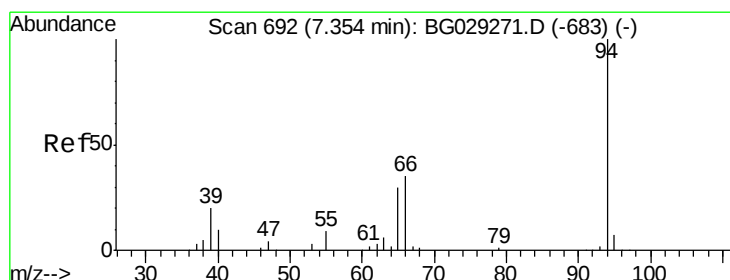
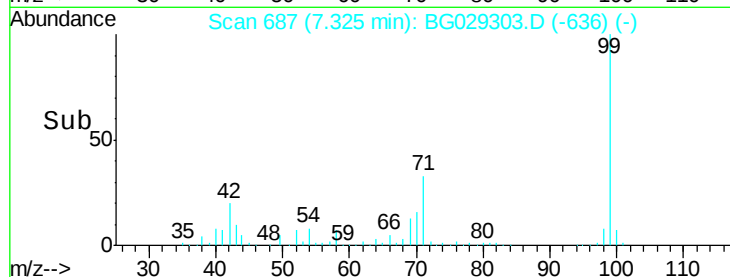
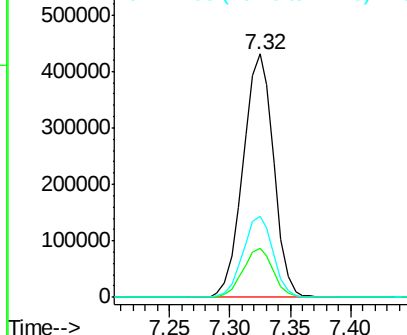
99 100

42 20.3 14.1 21.1

71 33.5 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



#10

Phenol

Concen: 8.37 ng

RT: 7.35 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG029303.D

Acq: 17 Oct 2017 16:14

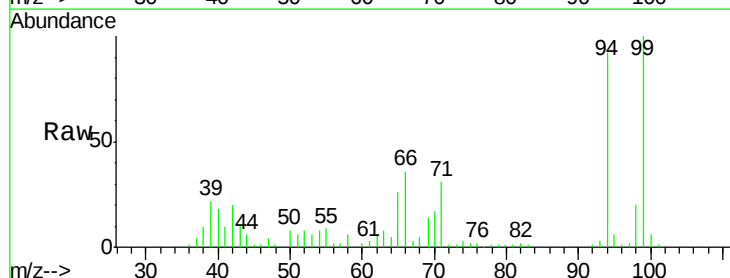
Tgt Ion: 94 Resp: 48663

Ion Ratio Lower Upper

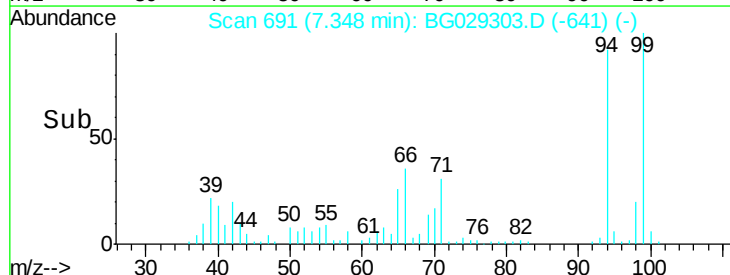
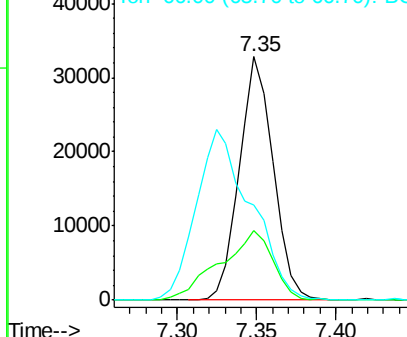
94 100

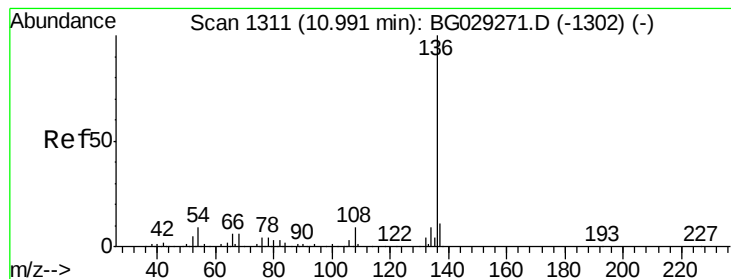
65 28.7 11.9 51.9

66 39.2 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG029303.D

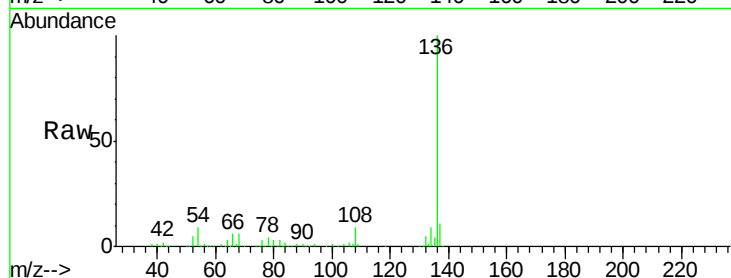
Acq: 17 Oct 2017 16:14

Instrument :

BNA\_G

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 312469     |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 11.0  | 9.2 13.8   |
| 54          | 8.5   | 10.3 15.5# |
| 68          | 6.2   | 4.5 6.7    |

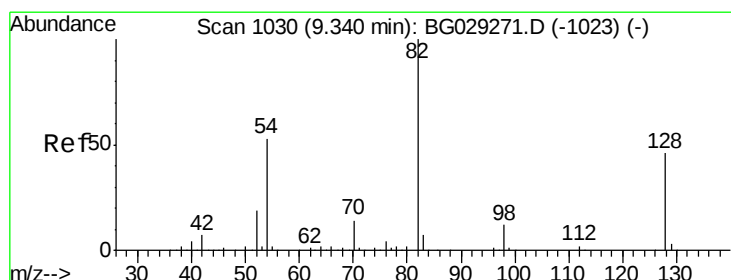
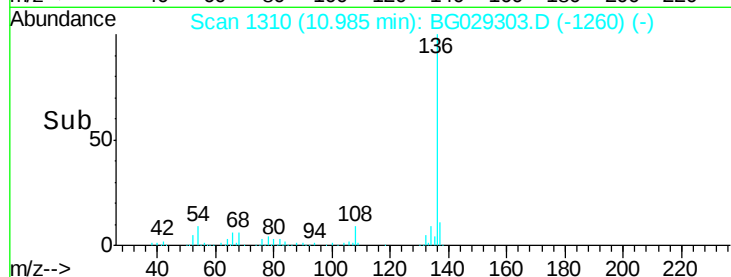
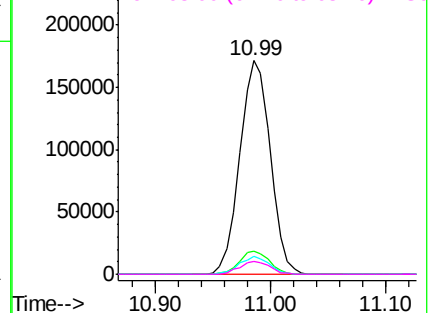


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 91.24 ng

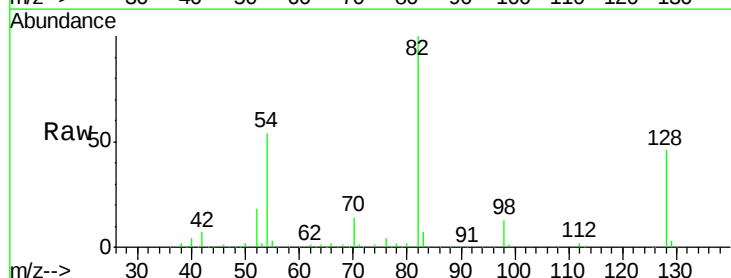
RT: 9.33 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BG029303.D

Acq: 17 Oct 2017 16:14

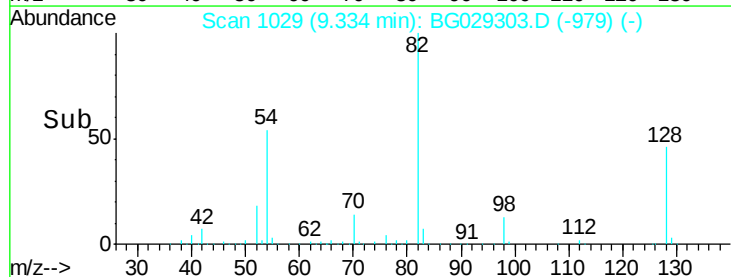
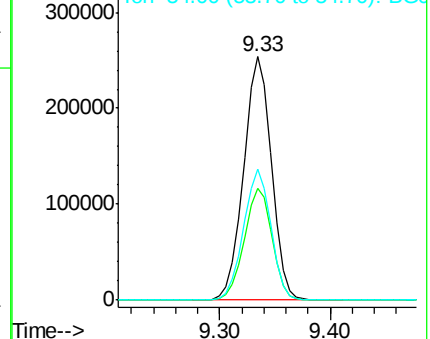
|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 448623     |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 45.9  | 29.7 44.5# |
| 54          | 53.7  | 43.1 64.7  |

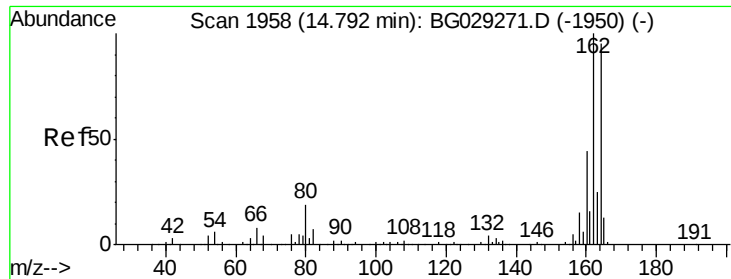


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.79 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG029303.D

Acq: 17 Oct 2017 16:14

Instrument :

BNA\_G

ClientSampleId :

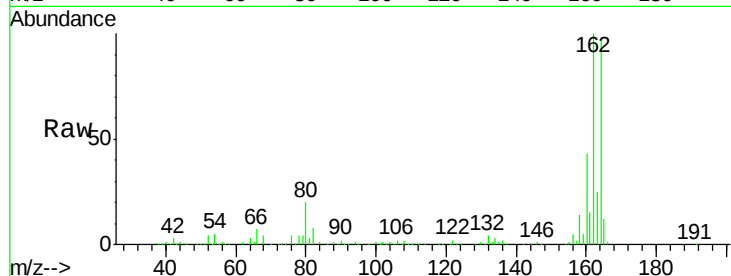
Tot Ion:164 Resp: 205343

Ion Ratio Lower Upper

164 100

162 103.6 78.8 118.2

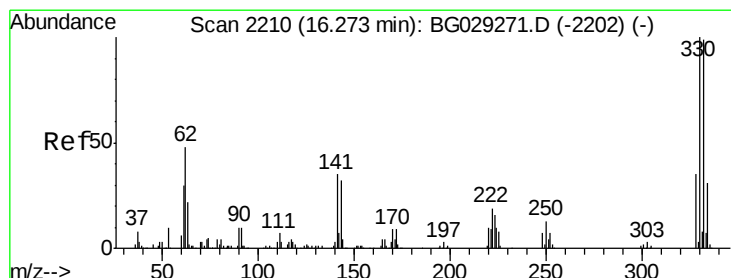
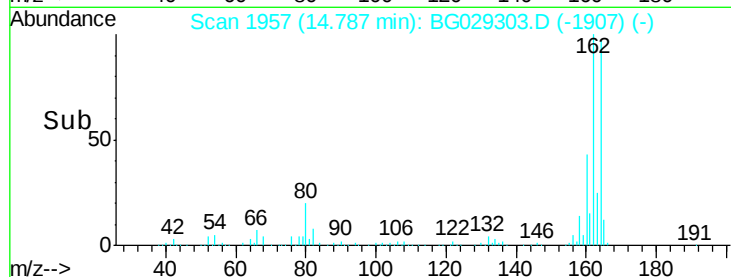
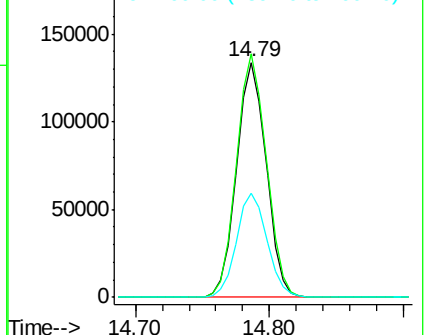
160 44.4 35.4 53.0



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: 143.73 ng

RT: 16.27 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BG029303.D

Acq: 17 Oct 2017 16:14

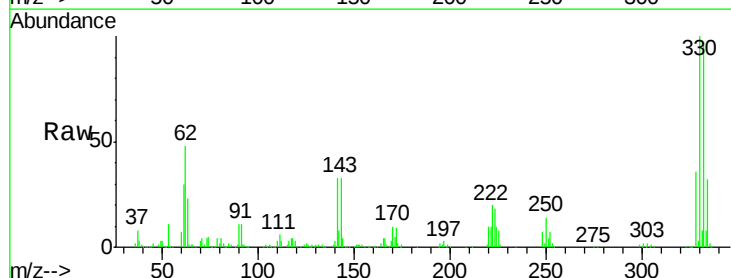
Tgt Ion:330 Resp: 381059

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

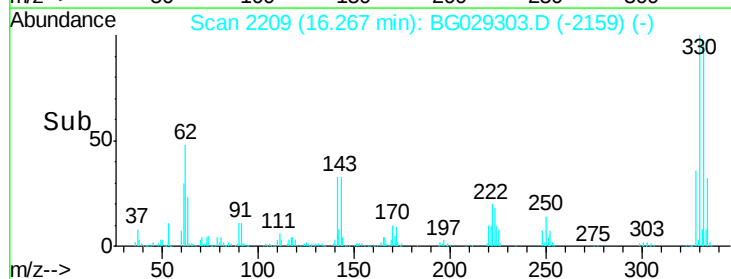
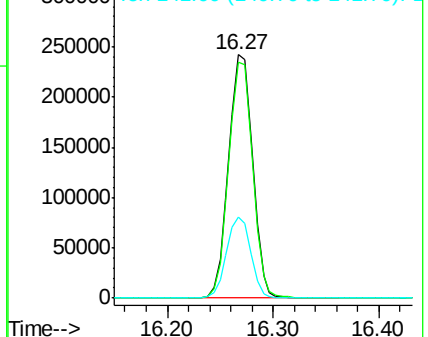
141 33.4 25.2 37.8

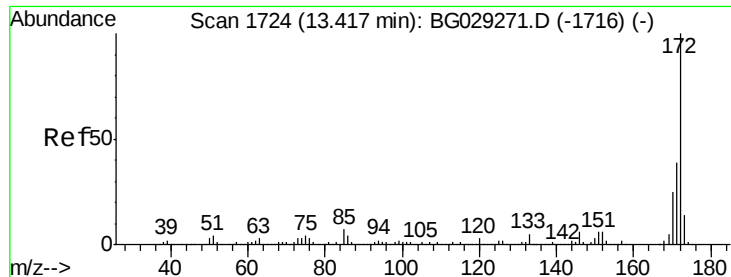


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

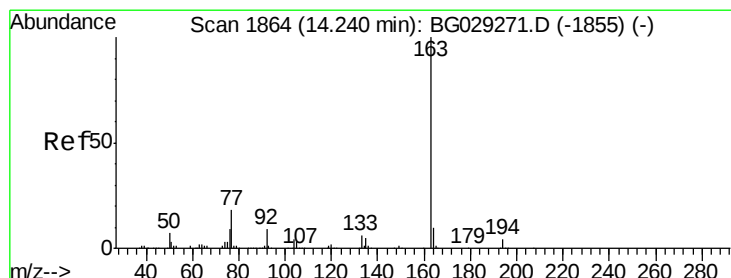
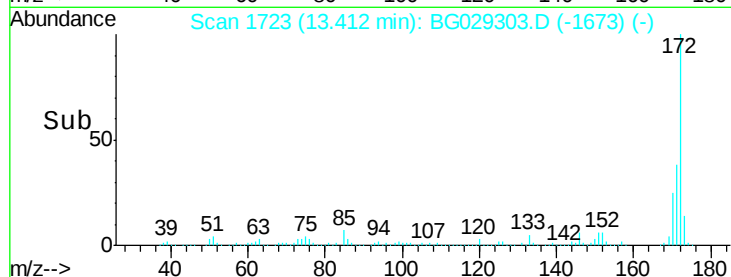
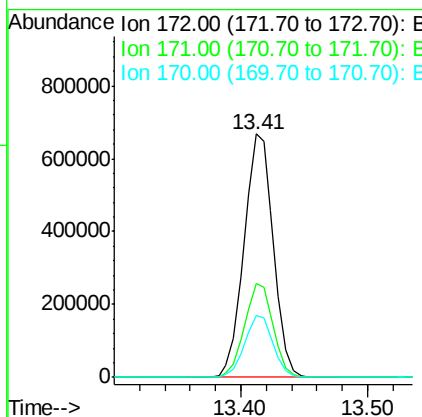
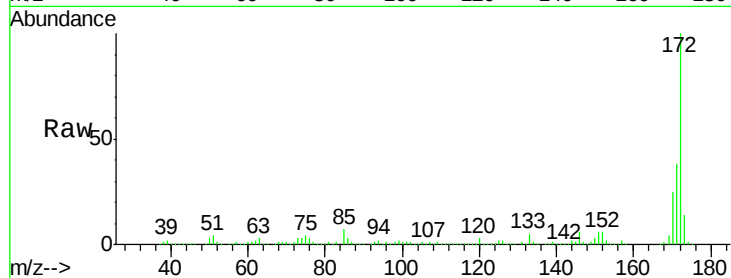




#44  
2-Fluorobiphenyl  
Concen: 76.07 ng  
RT: 13.41 min Scan# 1723  
Delta R.T. -0.01 min  
Lab File: BG029303.D  
Acq: 17 Oct 2017 16:14

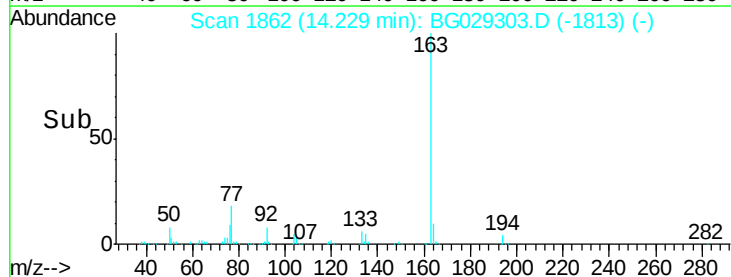
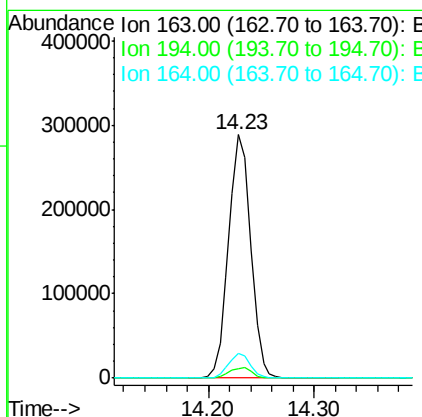
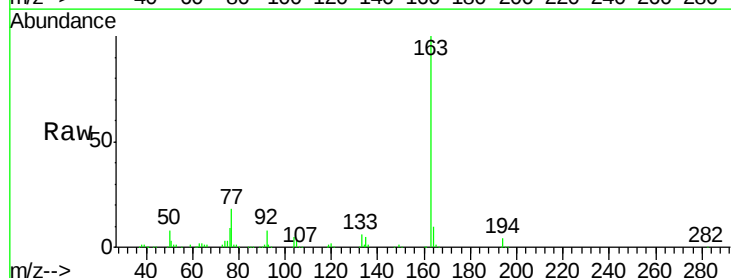
Instrument :  
BNA\_G  
ClientSampleId :

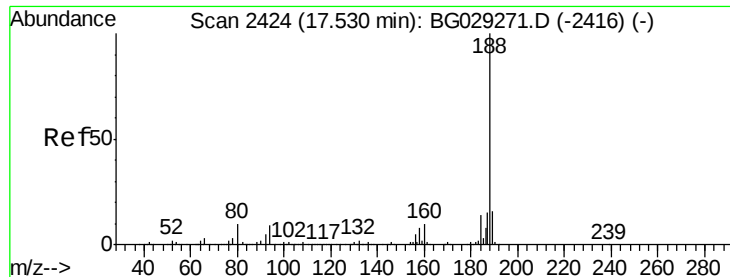
Tot Ion:172 Resp: 1064986  
Ion Ratio Lower Upper  
172 100  
171 38.3 30.0 45.0  
170 25.2 19.5 29.3



#49  
Dimethylphthalate  
Concen: 26.08 ng  
RT: 14.23 min Scan# 1862  
Delta R.T. -0.01 min  
Lab File: BG029303.D  
Acq: 17 Oct 2017 16:14

Tgt Ion:163 Resp: 417797  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.4 5.2  
164 10.2 8.2 12.4

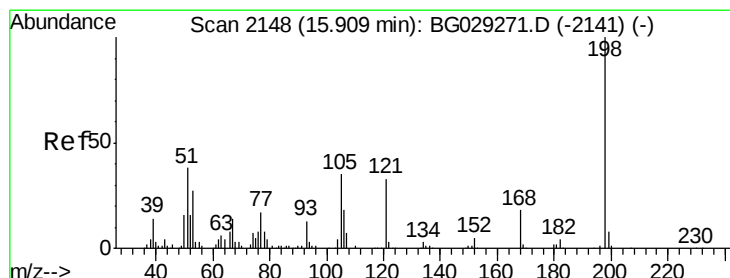
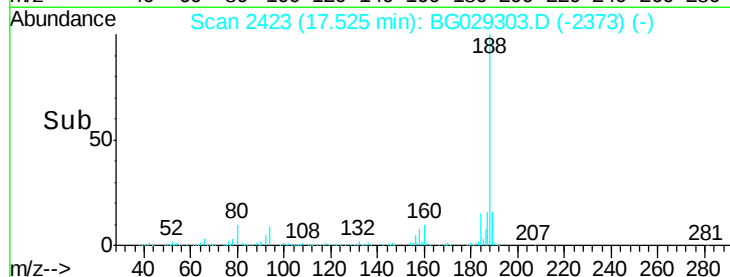
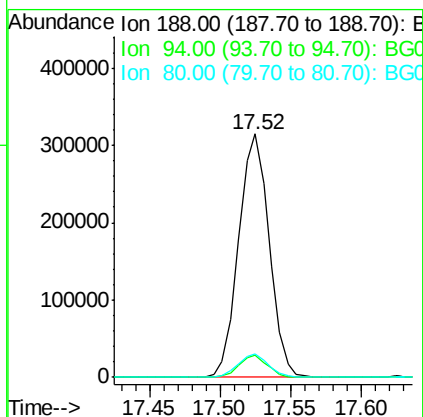
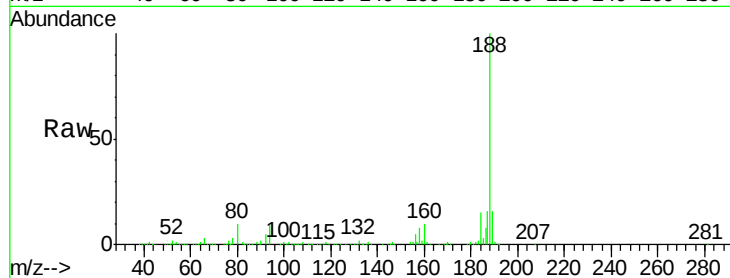




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.52 min Scan# 2423  
Delta R.T. -0.01 min  
Lab File: BG029303.D  
Acq: 17 Oct 2017 16:14

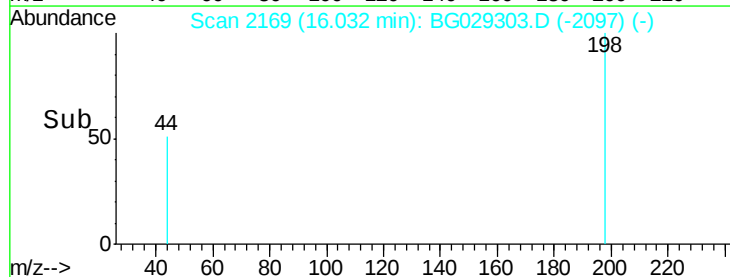
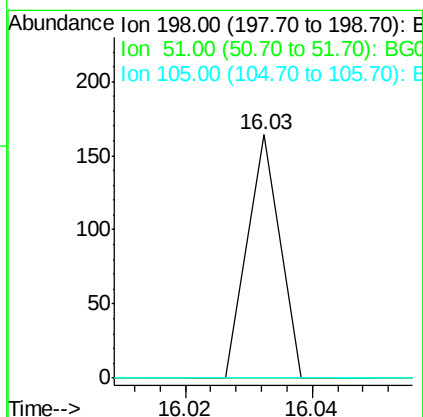
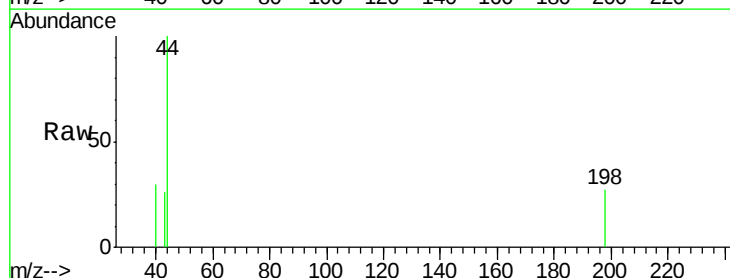
Instrument :  
BNA\_G  
ClientSampleId :

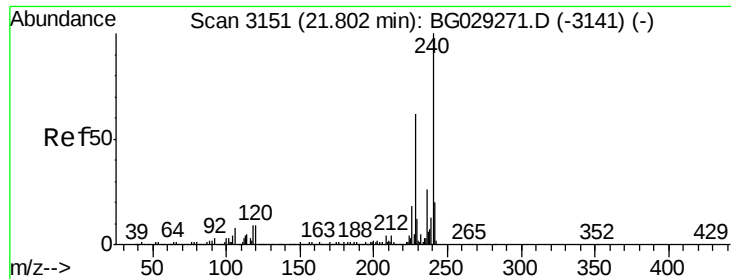
Tot Ion:188 Resp: 476892  
Ion Ratio Lower Upper  
188 100  
94 9.0 6.9 10.3  
80 9.6 7.7 11.5



#64  
4,6-Dinitro-2-methylphenol  
Concen: 5.02 ng  
RT: 16.03 min Scan# 2169  
Delta R.T. 0.12 min  
Lab File: BG029303.D  
Acq: 17 Oct 2017 16:14

Tgt Ion:198 Resp: 58  
Ion Ratio Lower Upper  
198 100  
51 0.0 30.6 70.6#  
105 0.0 23.8 63.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.80 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG029303.D

Acq: 17 Oct 2017 16:14

Instrument :

BNA\_G

ClientSampleId :

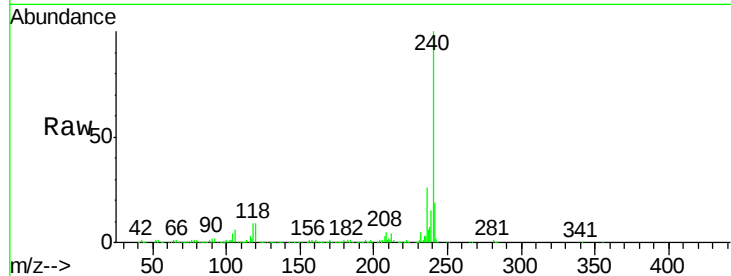
Tot Ion:240 Resp: 500832

Ion Ratio Lower Upper

240 100

120 9.2 6.8 10.2

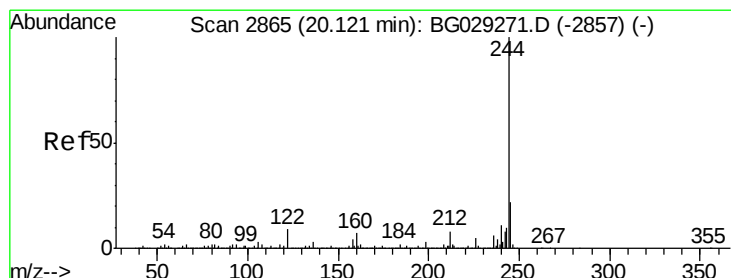
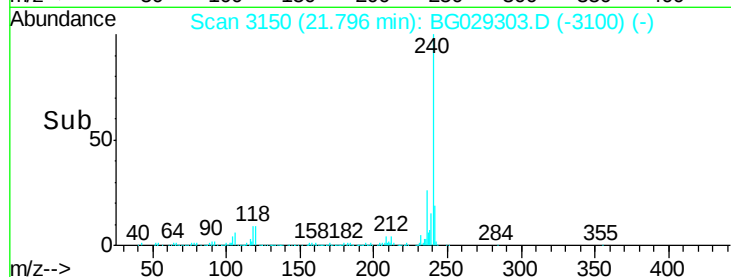
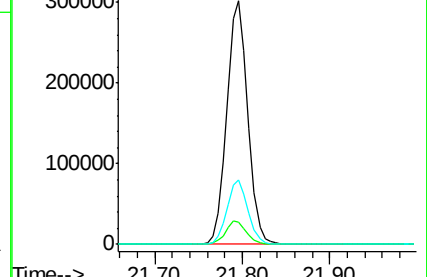
236 26.4 20.9 31.3



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: 67.31 ng

RT: 20.12 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG029303.D

Acq: 17 Oct 2017 16:14

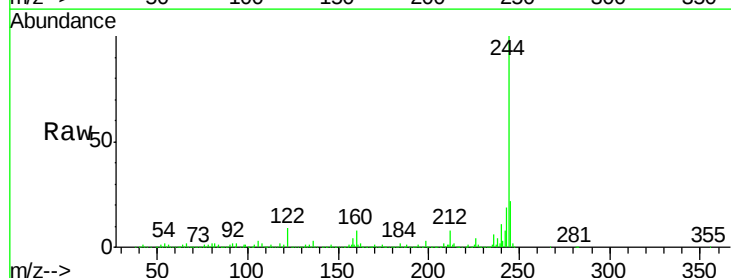
Tgt Ion:244 Resp: 1481753

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

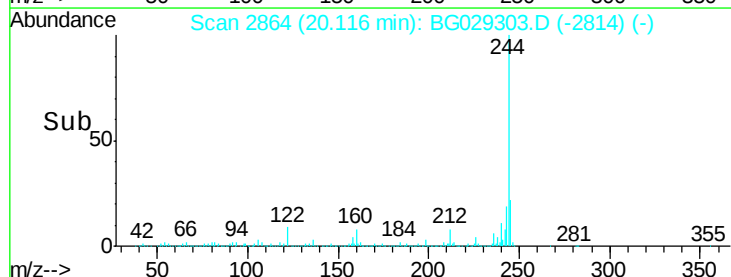
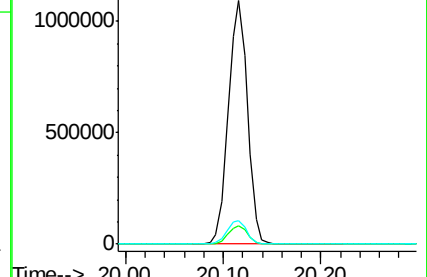
122 9.4 7.0 10.4

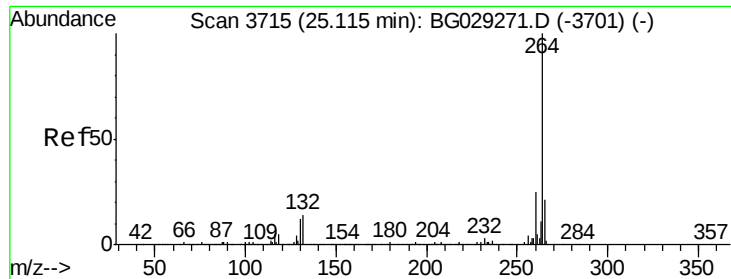


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

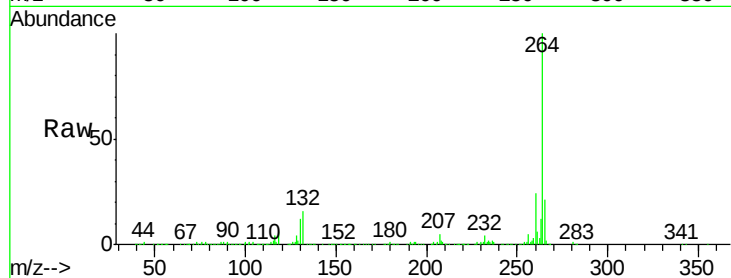




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.10 min Scan# 3713  
 Delta R.T. -0.01 min  
 Lab File: BG029303.D  
 Acq: 17 Oct 2017 16:14

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:264 Resp: 512618  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 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

