

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070317\  
 Data File : BG027844.D  
 Acq On : 3 Jul 2017 22:50  
 Operator : SJ/JU  
 Sample : I4007-06  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 04 05:51:15 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 19:26:37 2017  
 Response via : Initial Calibration

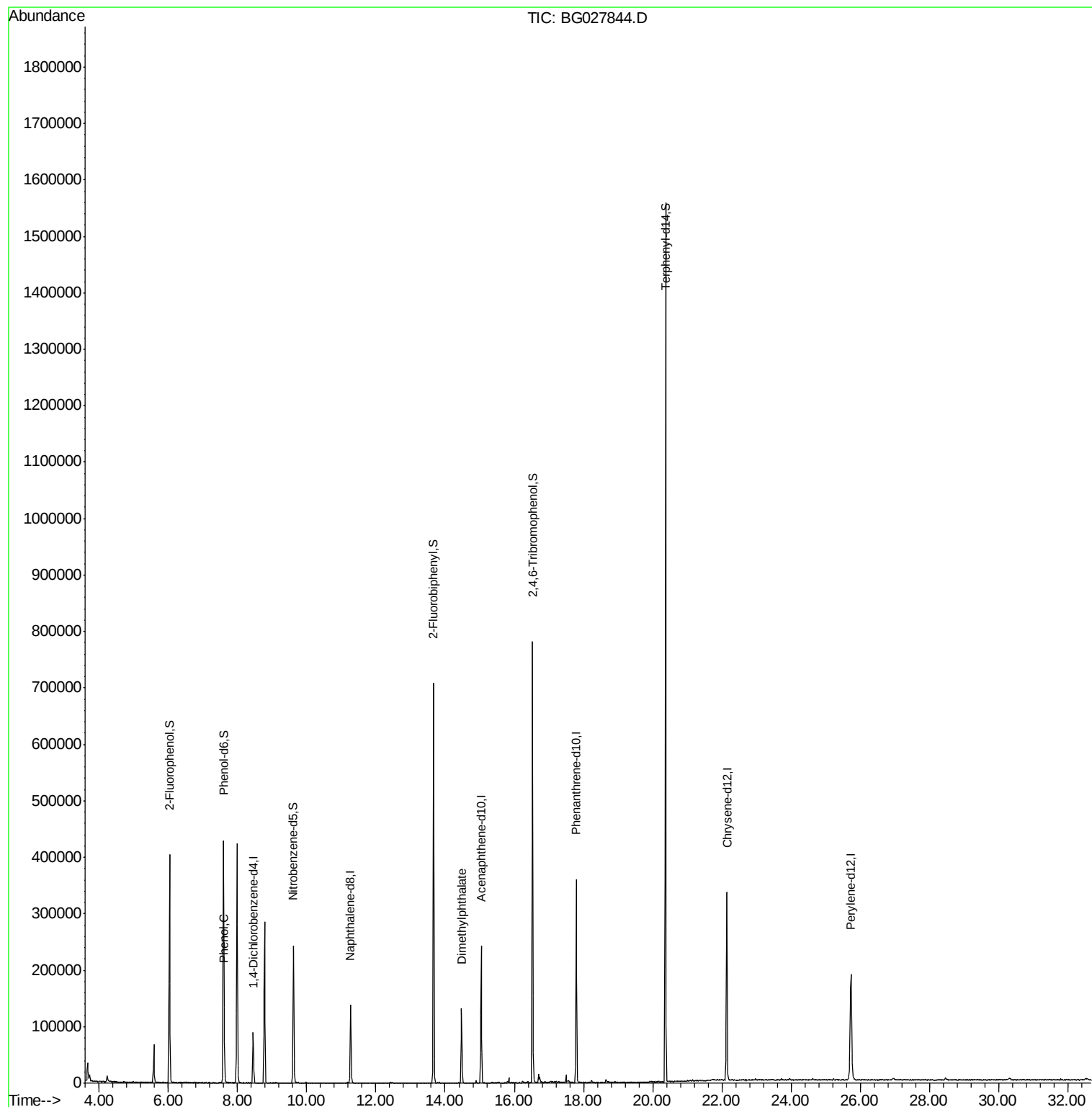
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.45  | 152  | 27187    | 20.00  | ng    | -0.03     |
| 21) Naphthalene-d8          | 11.27 | 136  | 127292   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10        | 15.04 | 164  | 83409    | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10        | 17.79 | 188  | 221901   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12            | 22.14 | 240  | 234303   | 20.00  | ng    | -0.03     |
| 86) Perylene-d12            | 25.73 | 264  | 236809   | 20.00  | ng    | -0.06     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 6.03  | 112  | 183894   | 104.16 | ng    | -0.02     |
| 7) Phenol-d6                | 7.60  | 99   | 262550   | 97.34  | ng    | -0.02     |
| 23) Nitrobenzene-d5         | 9.62  | 82   | 153773   | 67.34  | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol    | 16.53 | 330  | 160803   | 140.56 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl        | 13.67 | 172  | 378614   | 64.83  | ng    | -0.02     |
| 78) Terphenyl-d14           | 20.37 | 244  | 694443   | 69.48  | ng    | -0.02     |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 7.62  | 94   | 10780    | 4.04   | ng    | Qvalue 94 |
| 49) Dimethylphthalate       | 14.48 | 163  | 91143    | 12.81  | ng    | # 95      |

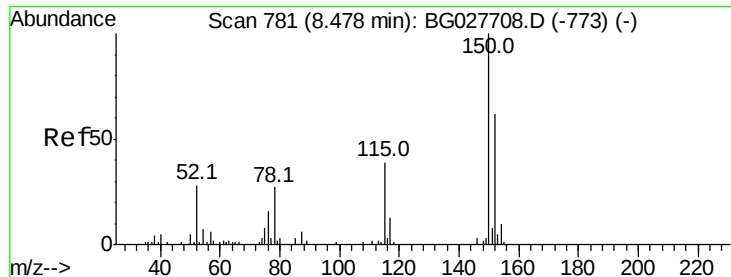
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070317\  
Data File : BG027844.D  
Acq On : 3 Jul 2017 22:50  
Operator : SJ/JU  
Sample : I4007-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Jul 04 05:51:15 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 28 19:26:37 2017  
Response via : Initial Calibration



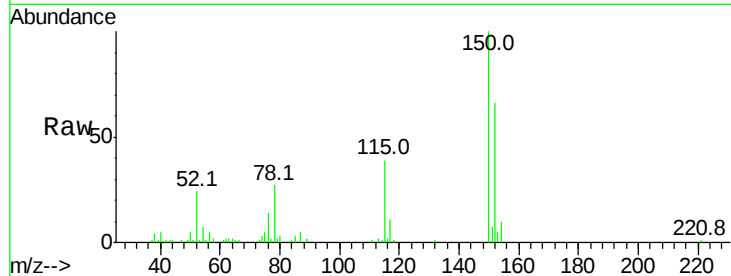


#1

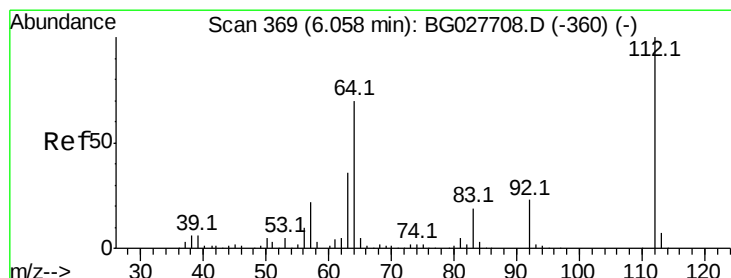
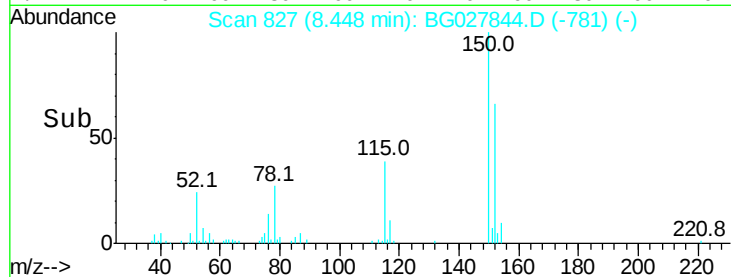
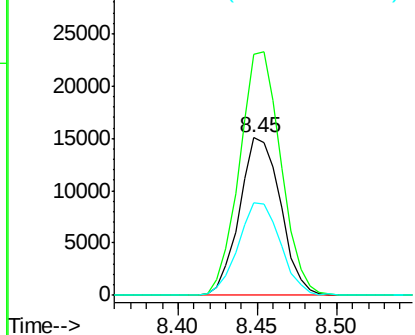
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.45 min Scan# 827  
Delta R.T. -0.03 min  
Lab File: BG027844.D  
Acq: 3 Jul 2017 22:50

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 27187  
Ion Ratio Lower Upper  
152 100  
150 152.5 114.0 171.0  
115 59.0 48.1 72.1



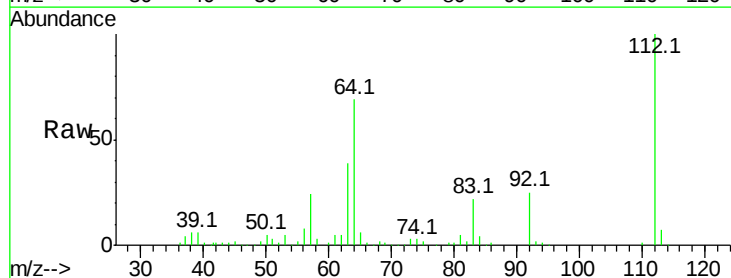
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



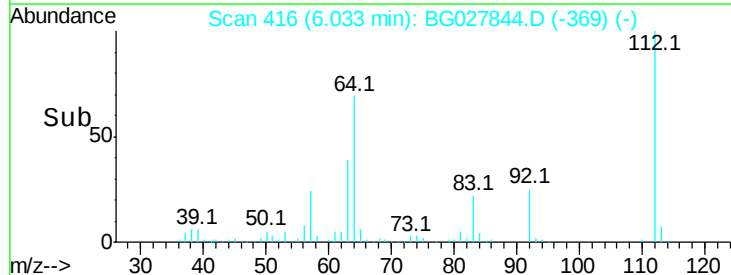
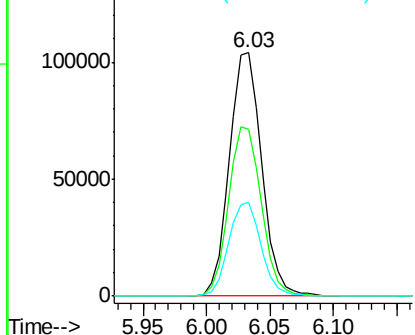
#5

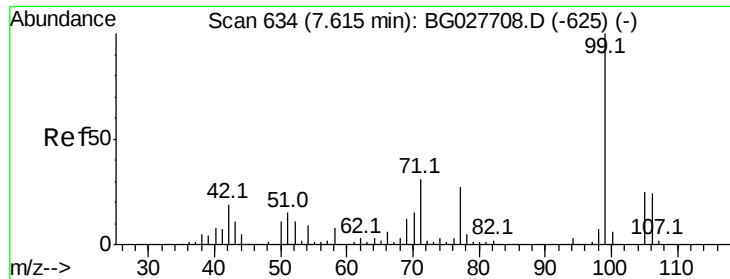
2-Fluorophenol  
Concen: 104.16 ng  
RT: 6.03 min Scan# 416  
Delta R.T. -0.02 min  
Lab File: BG027844.D  
Acq: 3 Jul 2017 22:50

Tgt Ion:112 Resp: 183894  
Ion Ratio Lower Upper  
112 100  
64 68.8 61.8 92.6  
63 38.5 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: 97.34 ng

RT: 7.60 min Scan# 682

Delta R.T. -0.02 min

Lab File: BG027844.D

Acq: 3 Jul 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

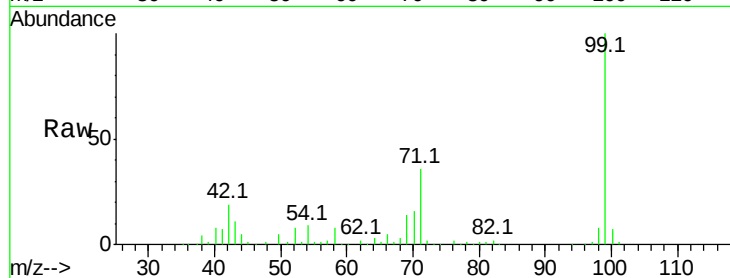
Tot Ion: 99 Resp: 262550

Ion Ratio Lower Upper

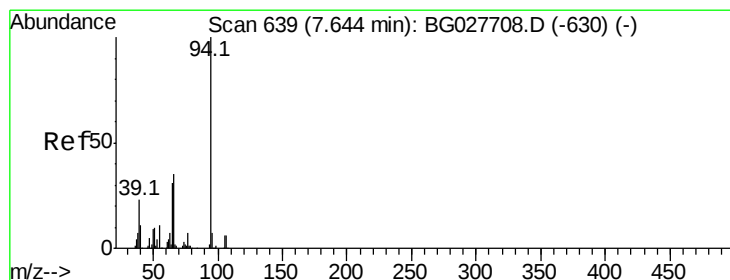
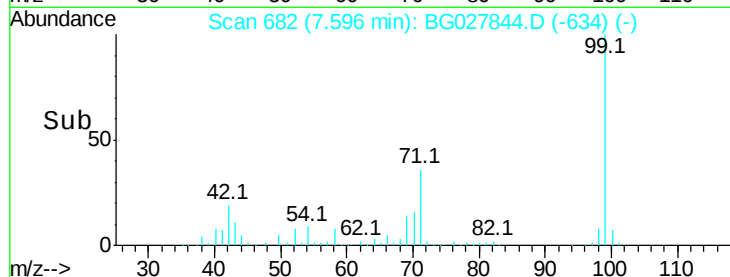
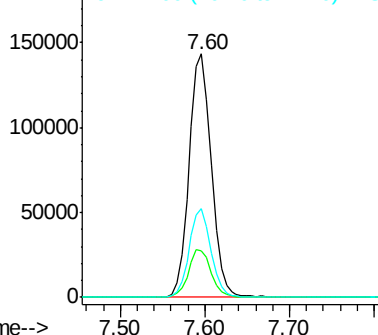
99 100

42 18.9 20.5 30.7#

71 36.2 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



#10

Phenol

Concen: 4.04 ng

RT: 7.62 min Scan# 686

Delta R.T. -0.02 min

Lab File: BG027844.D

Acq: 3 Jul 2017 22:50

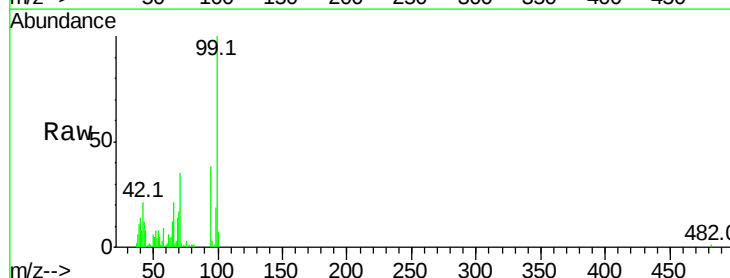
Tgt Ion: 94 Resp: 10780

Ion Ratio Lower Upper

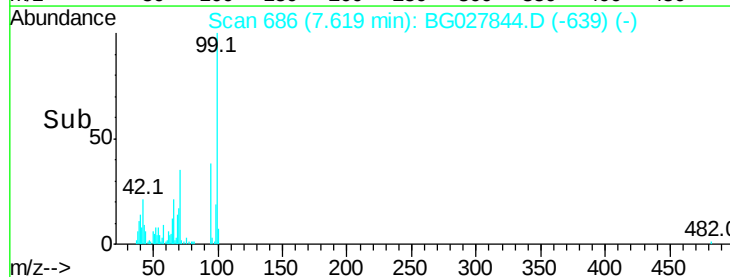
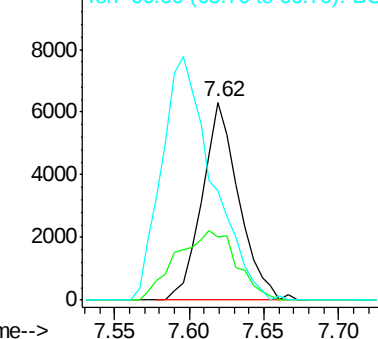
94 100

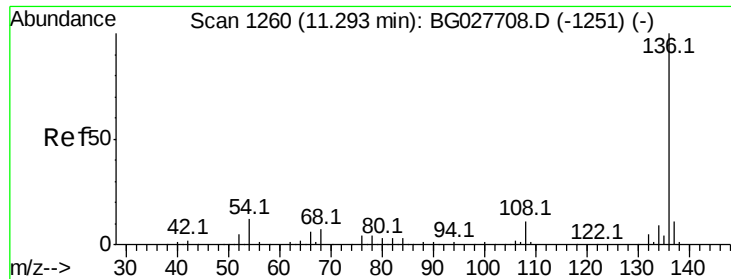
65 32.1 20.6 60.6

66 54.8 35.5 75.5



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

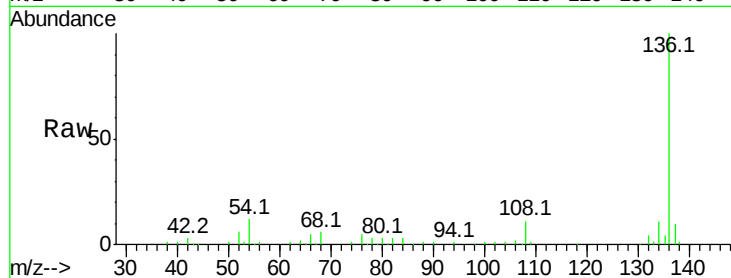




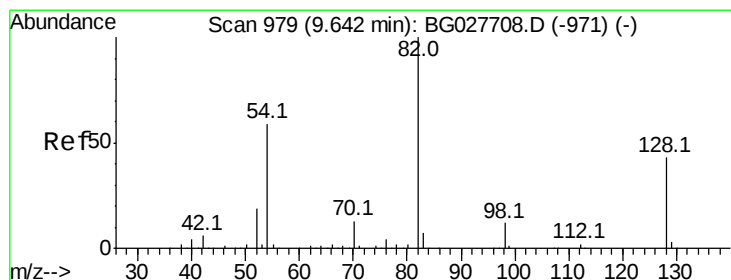
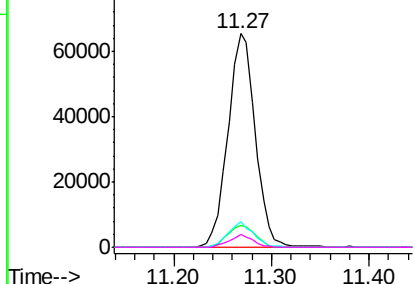
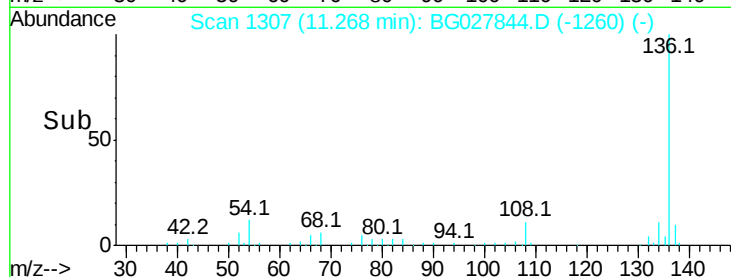
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.27 min Scan# 1307  
Delta R.T. -0.02 min  
Lab File: BG027844.D  
Acq: 3 Jul 2017 22:50

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 127292 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.3  | 8.9   | 13.3   |
| 54       | 12.3  | 9.3   | 13.9   |
| 68       | 5.7   | 5.1   | 7.7    |

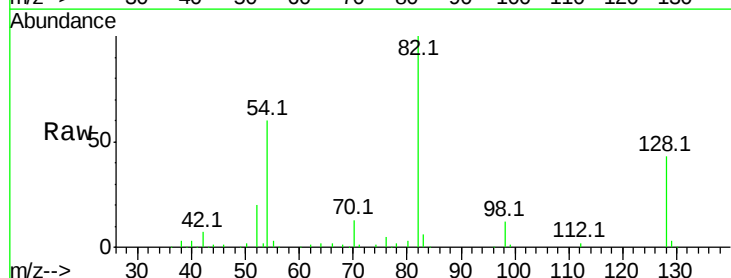


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

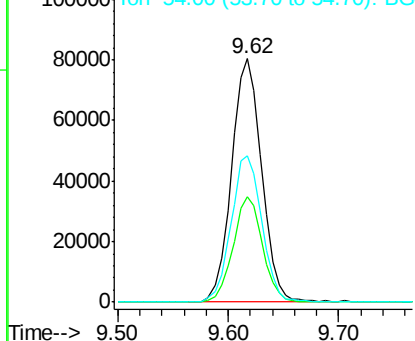
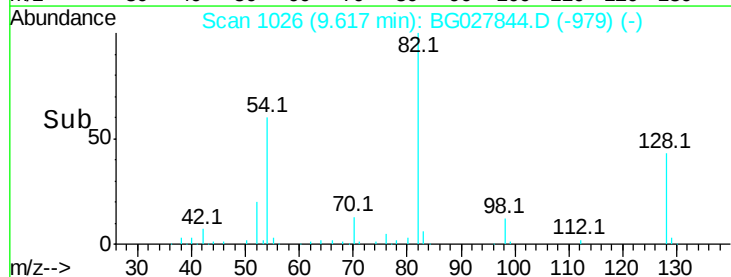


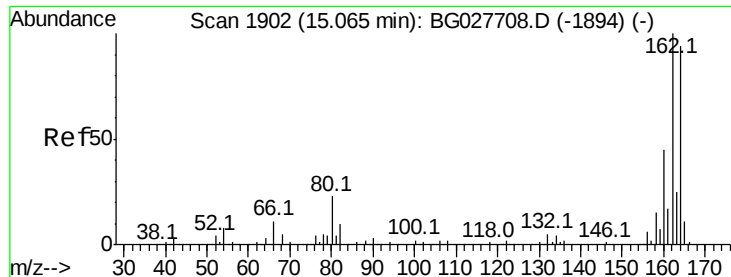
#23  
Nitrobenzene-d5  
Concen: 67.34 ng  
RT: 9.62 min Scan# 1026  
Delta R.T. -0.02 min  
Lab File: BG027844.D  
Acq: 3 Jul 2017 22:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 153773 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 43.1  | 26.4  | 39.6#  |
| 54       | 60.3  | 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: 15.04 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BG027844.D

Acq: 3 Jul 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

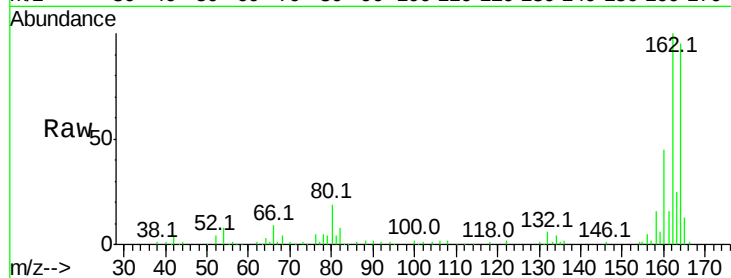
Tot Ion:164 Resp: 83409

Ion Ratio Lower Upper

164 100

162 105.1 85.1 127.7

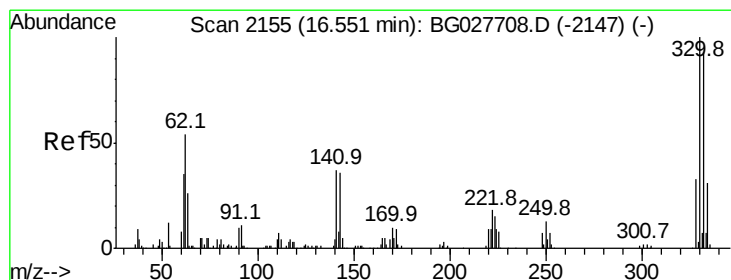
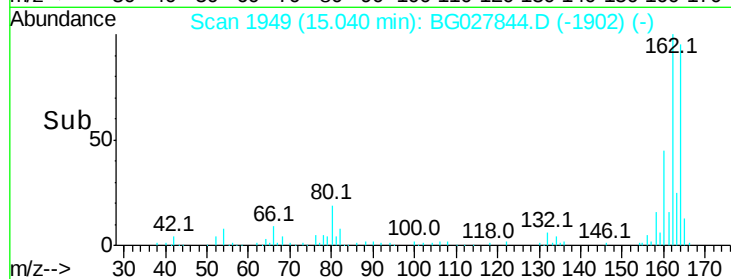
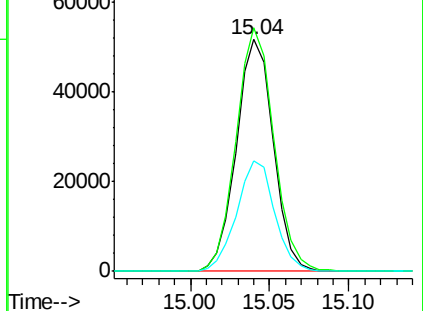
160 47.6 34.7 52.1



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



#41

2,4,6-Tribromophenol

Concen: 140.56 ng

RT: 16.53 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BG027844.D

Acq: 3 Jul 2017 22:50

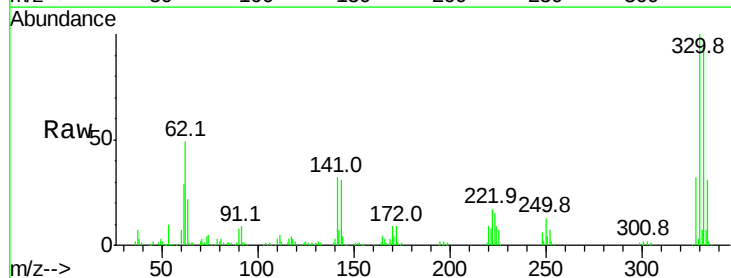
Tgt Ion:330 Resp: 160803

Ion Ratio Lower Upper

330 100

332 95.6 77.3 115.9

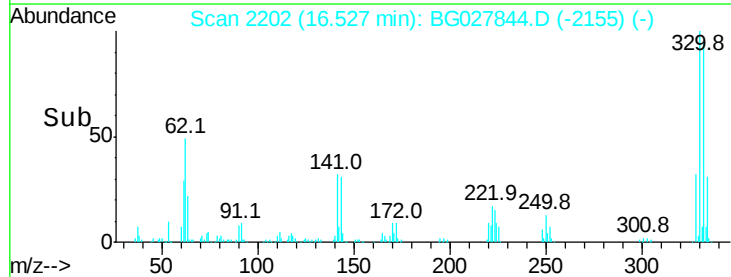
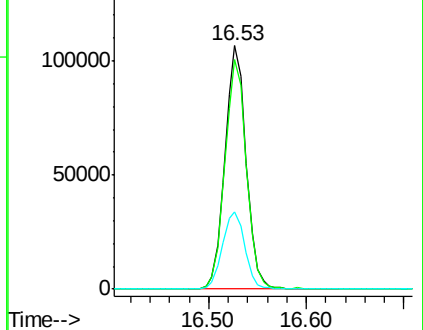
141 33.6 32.1 48.1

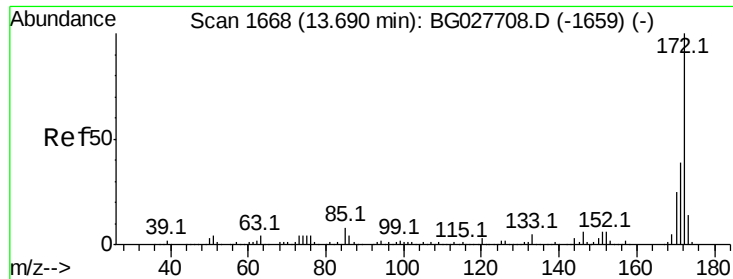


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

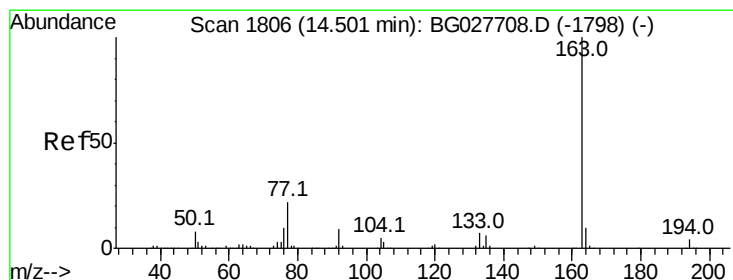
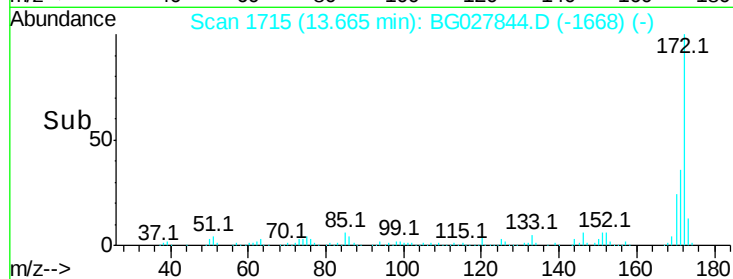
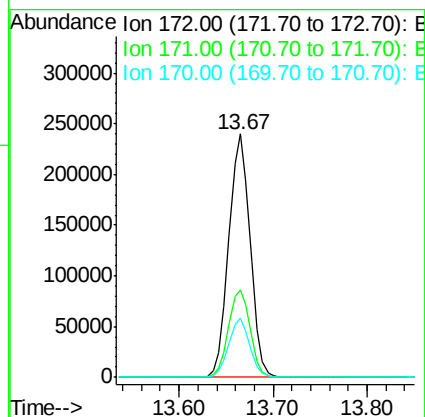
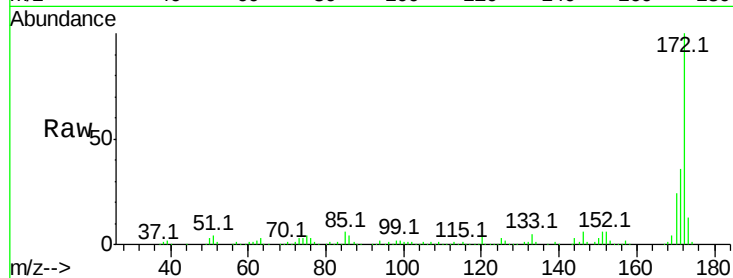




#44  
2-Fluorobiphenyl  
Concen: 64.83 ng  
RT: 13.67 min Scan# 1715  
Delta R.T. -0.02 min  
Lab File: BG027844.D  
Acq: 3 Jul 2017 22:50

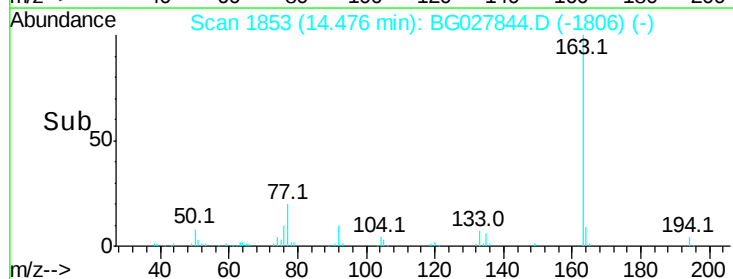
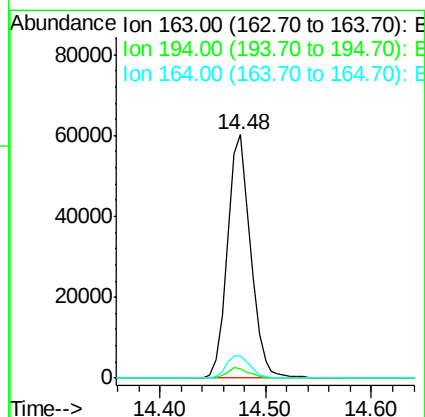
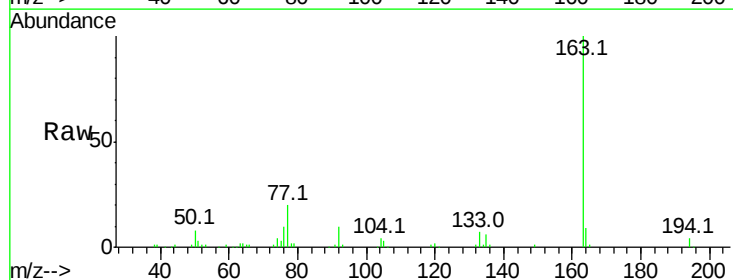
Instrument :  
BNA\_G  
ClientSampleId :

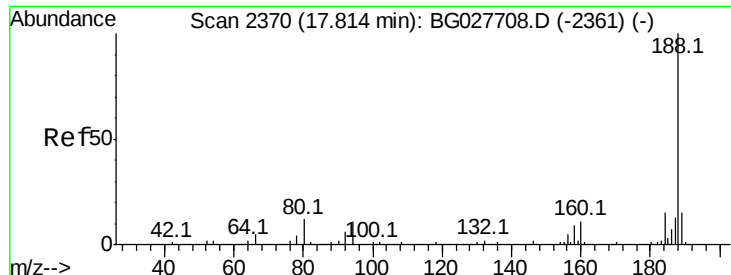
Tot Ion:172 Resp: 378614  
Ion Ratio Lower Upper  
172 100  
171 35.8 32.2 48.2  
170 24.4 21.8 32.6



#49  
Dimethylphthalate  
Concen: 12.81 ng  
RT: 14.48 min Scan# 1853  
Delta R.T. -0.02 min  
Lab File: BG027844.D  
Acq: 3 Jul 2017 22:50

Tgt Ion:163 Resp: 91143  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.8 5.6  
164 9.1 9.3 13.9#

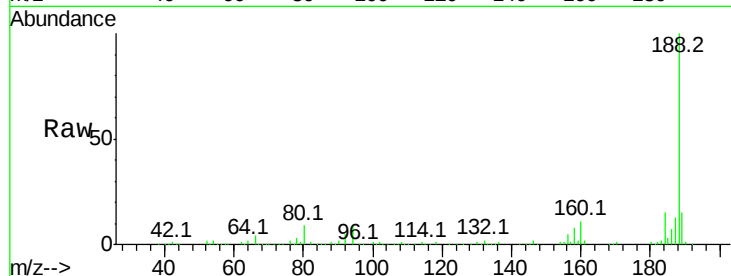




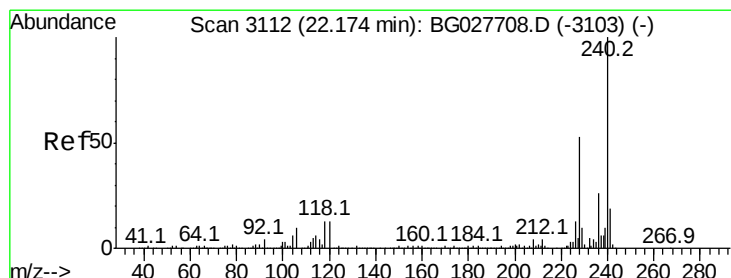
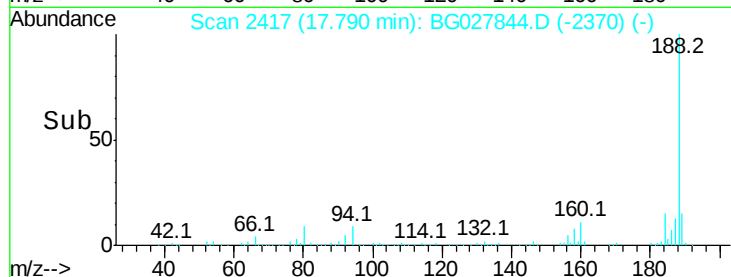
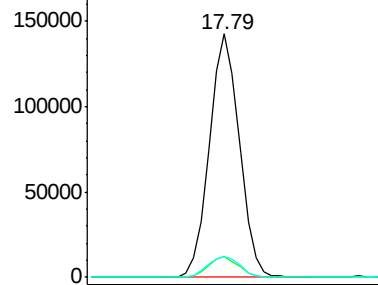
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.79 min Scan# 2417  
Delta R.T. -0.02 min  
Lab File: BG027844.D  
Acq: 3 Jul 2017 22:50

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:188 Resp: 221901  
Ion Ratio Lower Upper  
188 100  
94 8.7 5.8 8.8  
80 8.8 7.5 11.3

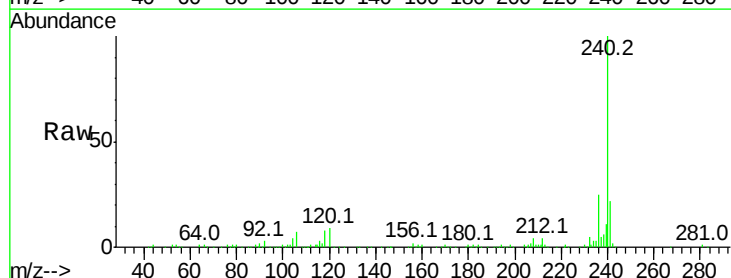


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

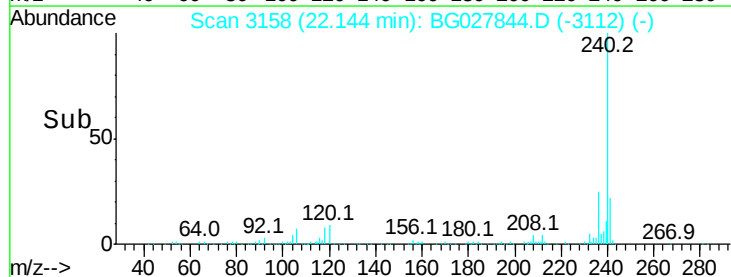
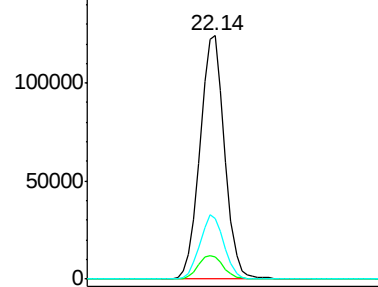


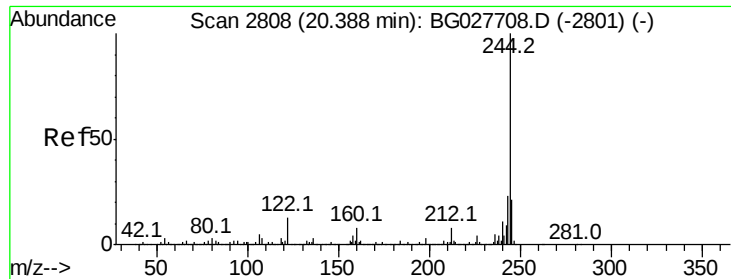
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.14 min Scan# 3158  
Delta R.T. -0.03 min  
Lab File: BG027844.D  
Acq: 3 Jul 2017 22:50

Tgt Ion:240 Resp: 234303  
Ion Ratio Lower Upper  
240 100  
120 9.2 5.7 8.5#  
236 25.0 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

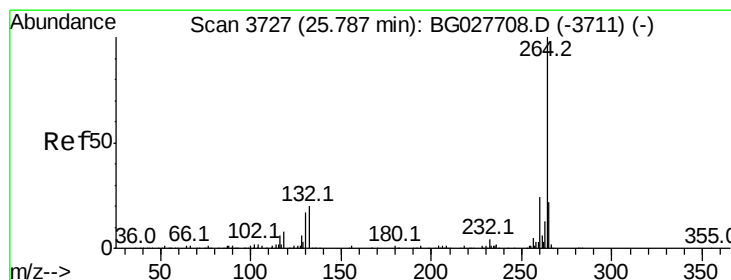
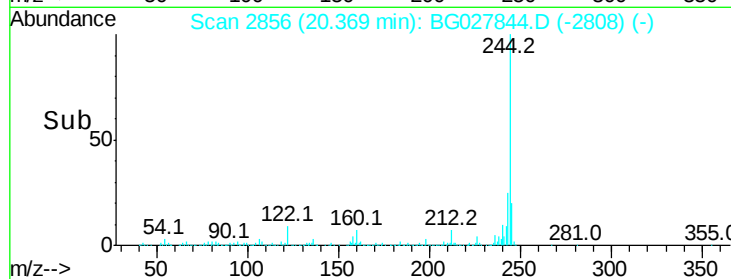
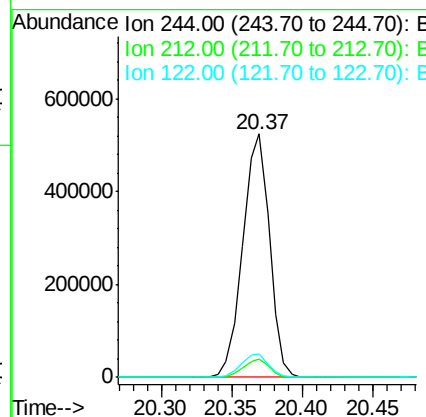
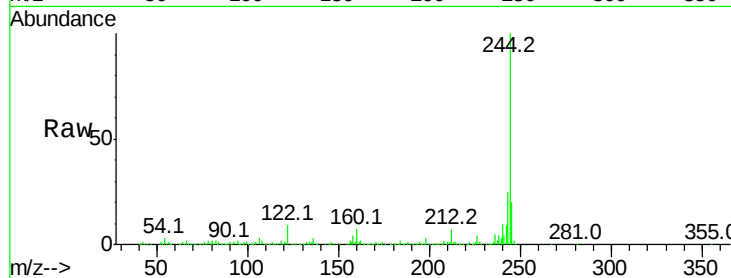




#78  
 Terphenyl-d14  
 Concen: 69.48 ng  
 RT: 20.37 min Scan# 2856  
 Delta R.T. -0.02 min  
 Lab File: BG027844.D  
 Acq: 3 Jul 2017 22:50

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:244 Resp: 694443  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 10.0 15.0#  
 122 9.4 8.6 12.8



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.73 min Scan# 3768  
 Delta R.T. -0.06 min  
 Lab File: BG027844.D  
 Acq: 3 Jul 2017 22:50

Tgt Ion:264 Resp: 236809  
 Ion Ratio Lower Upper  
 264 100  
 260 21.7 21.8 32.8#  
 265 21.1 18.2 27.4

