

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101817\  
 Data File : BG029364.D  
 Acq On : 19 Oct 2017 13:17  
 Operator : SJ/JU  
 Sample : I5901-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-5-20170692

Quant Time: Oct 19 16:39:01 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

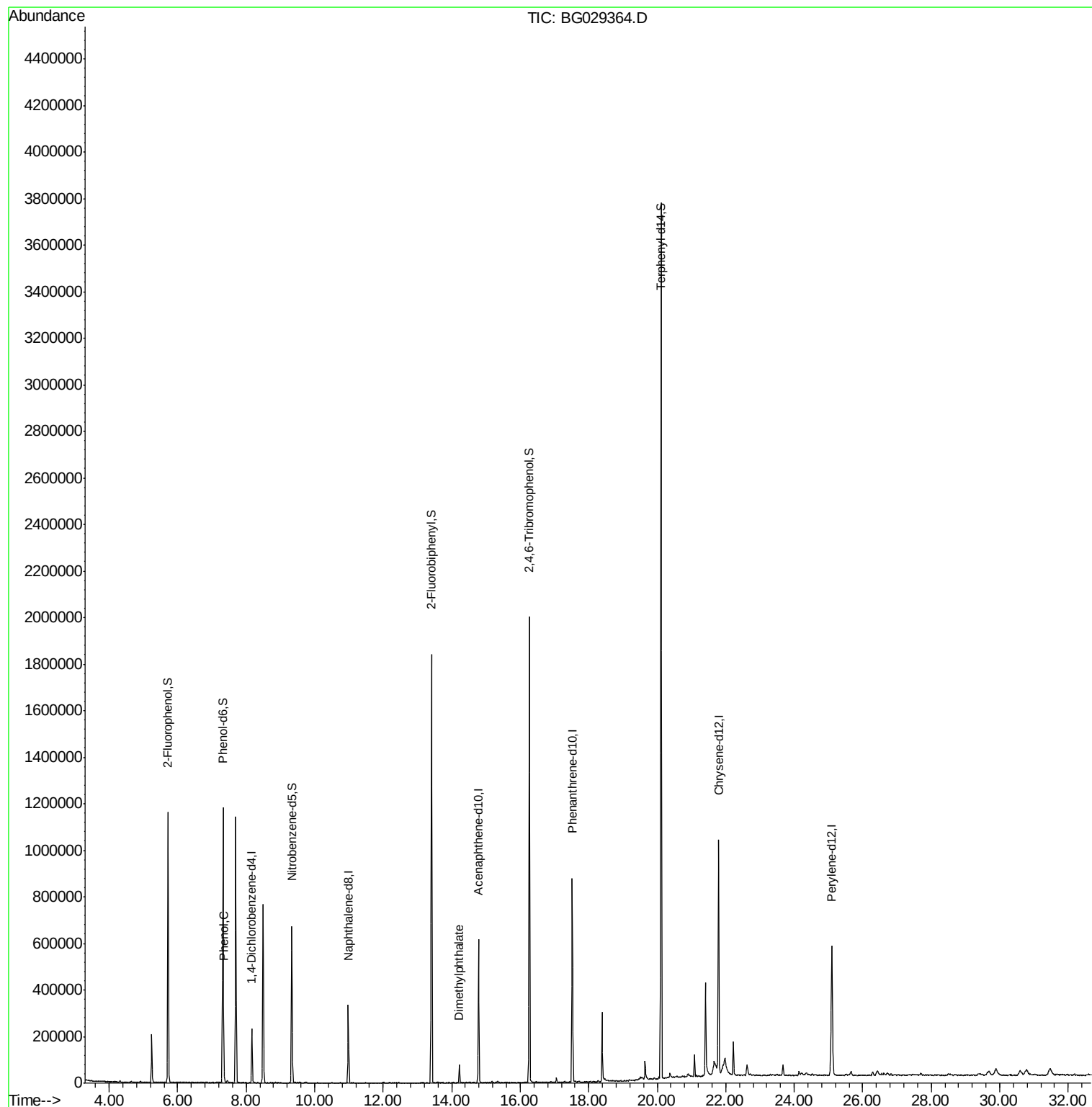
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 64348    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 296996   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.78 | 164  | 206093   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.52 | 188  | 541830   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.79 | 240  | 606065   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 25.10 | 264  | 624706   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 516734   | 134.15 | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 696794   | 128.88 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 398622   | 85.29  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.27 | 330  | 412597   | 155.06 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.41 | 172  | 998857   | 71.08  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.11 | 244  | 1750816  | 65.72  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.34  | 94   | 35385    | 6.071  | ng    | 96       |
| 49) Dimethylphthalate       | 14.22 | 163  | 51257    | 3.188  | ng    | 99       |

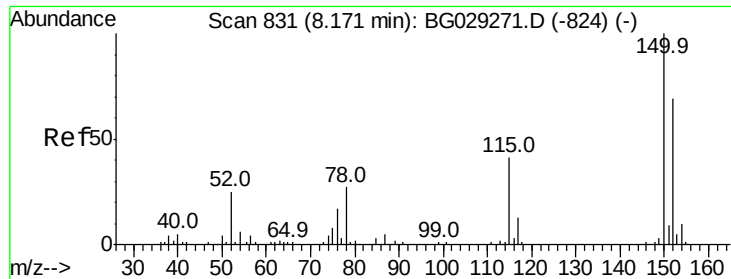
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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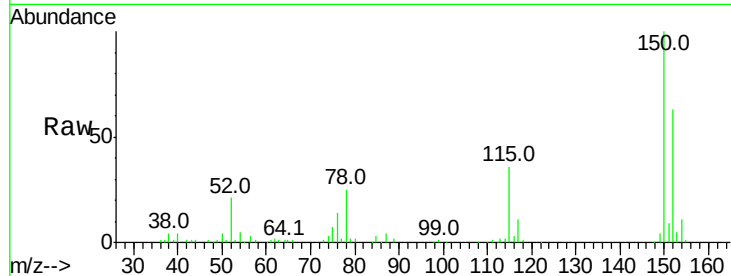


#1

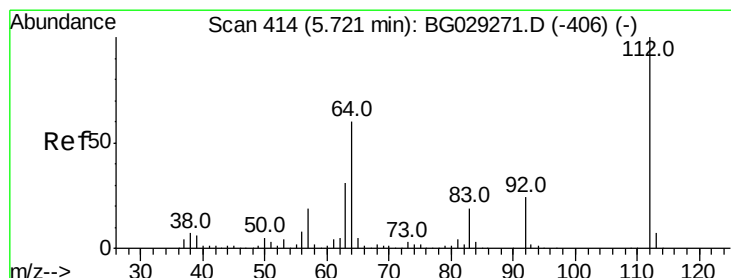
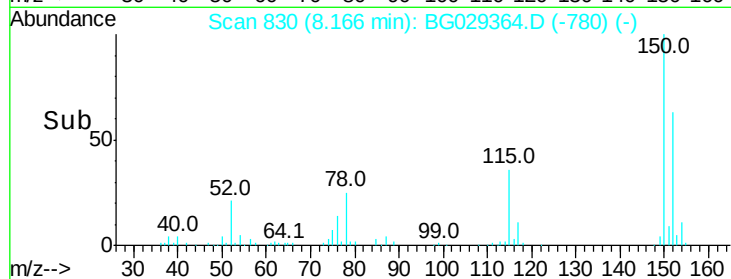
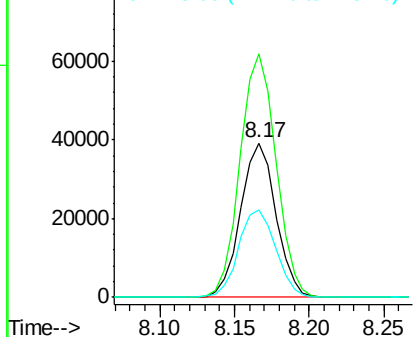
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 830  
Delta R.T. -0.00 min  
Lab File: BG029364.D  
Acq: 19 Oct 2017 13:17

Instrument :  
BNA\_G  
ClientSampleId :  
S-5-20170692

Tot Ion:152 Resp: 64348  
Ion Ratio Lower Upper  
152 100  
150 157.9 126.6 189.8  
115 57.0 53.0 79.4



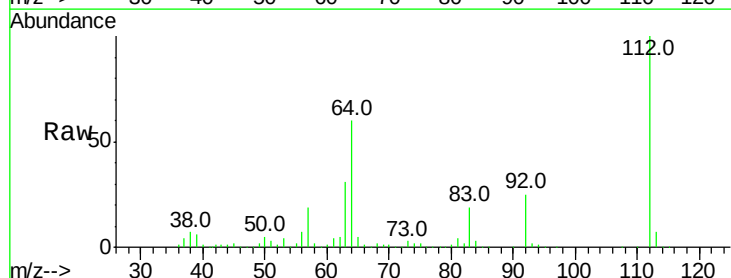
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



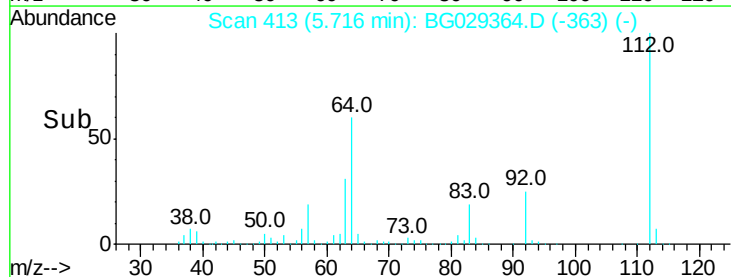
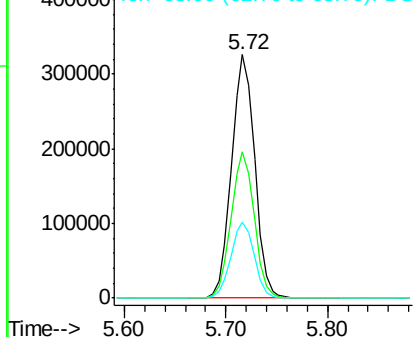
#5

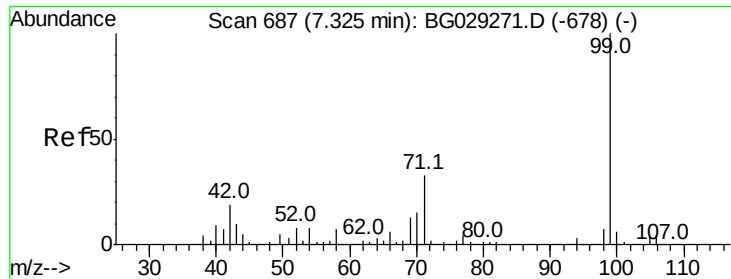
2-Fluorophenol  
Concen: 134.150 ng  
RT: 5.72 min Scan# 413  
Delta R.T. -0.00 min  
Lab File: BG029364.D  
Acq: 19 Oct 2017 13:17

Tgt Ion:112 Resp: 516734  
Ion Ratio Lower Upper  
112 100  
64 60.3 56.3 84.5  
63 31.4 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: 128.875 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG029364.D

Acq: 19 Oct 2017 13:17

Instrument :

BNA\_G

ClientSampled :

S-5-20170692

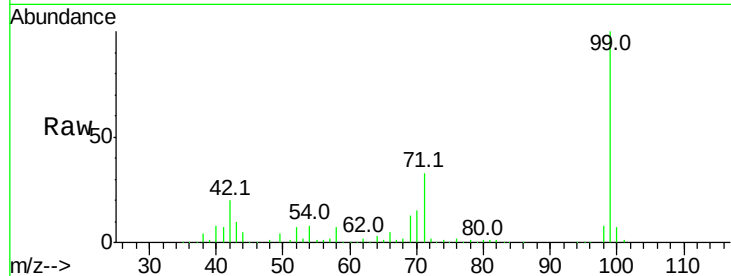
Tot Ion: 99 Resp: 696794

Ion Ratio Lower Upper

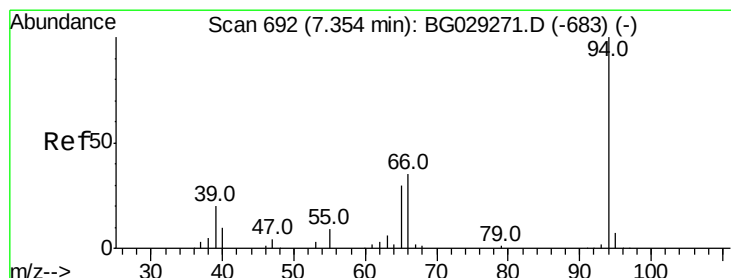
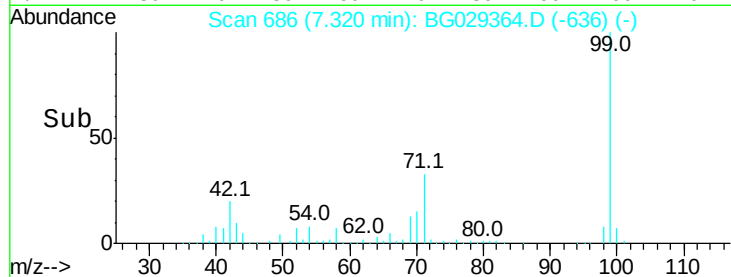
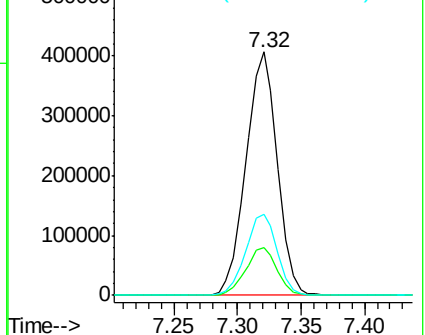
99 100

42 19.5 14.1 21.1

71 33.2 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: 6.071 ng

RT: 7.34 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG029364.D

Acq: 19 Oct 2017 13:17

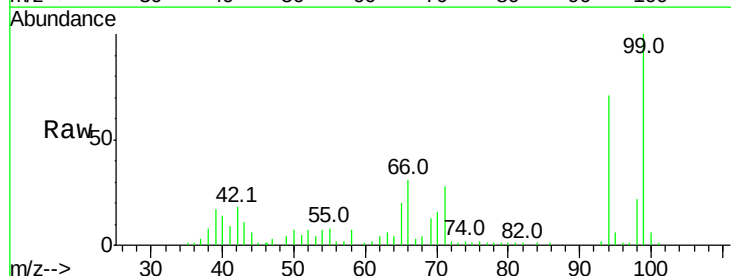
Tgt Ion: 94 Resp: 35385

Ion Ratio Lower Upper

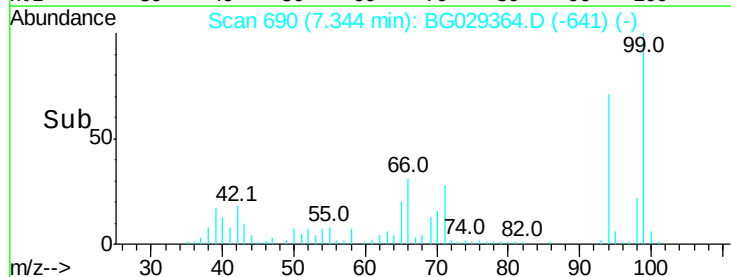
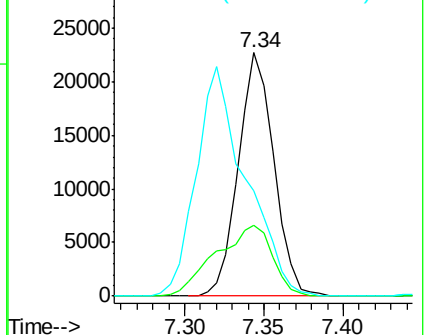
94 100

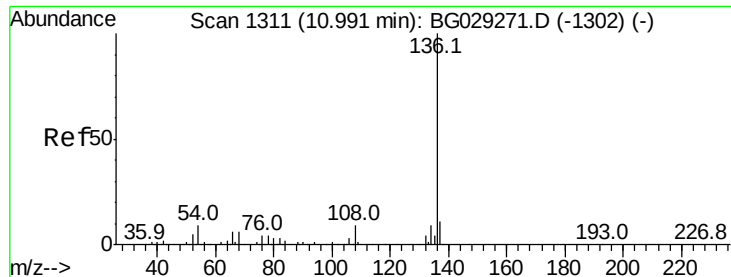
65 28.9 11.9 51.9

66 43.5 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

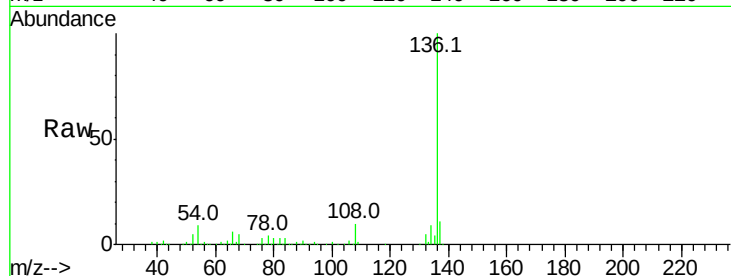




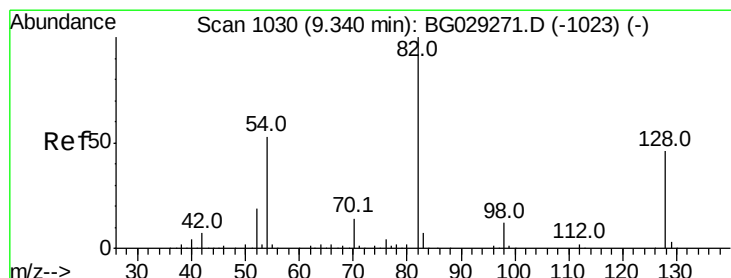
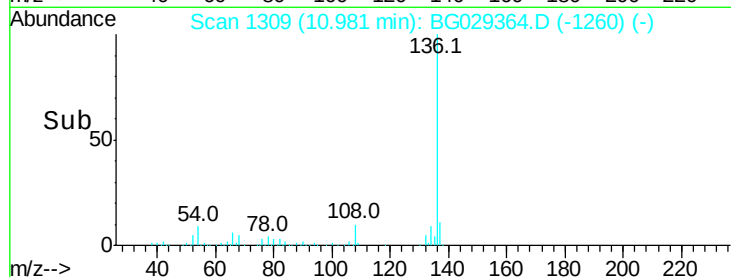
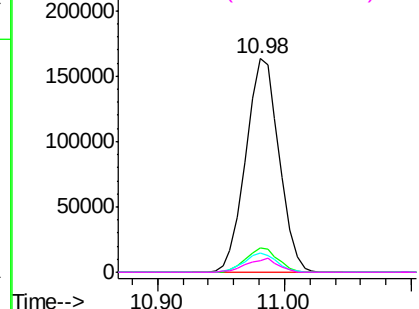
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.98 min Scan# 1309  
Delta R.T. -0.01 min  
Lab File: BG029364.D  
Acq: 19 Oct 2017 13:17

Instrument :  
BNA\_G  
ClientSampleId :  
S-5-20170692

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 296996      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.4  | 9.2 13.8    |
| 54          | 8.8   | 10.3 15.5#  |
| 68          | 5.3   | 4.5 6.7     |

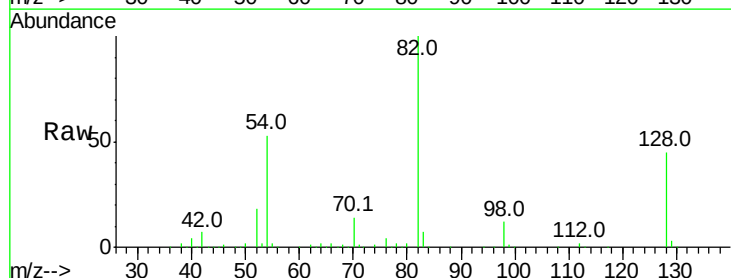


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

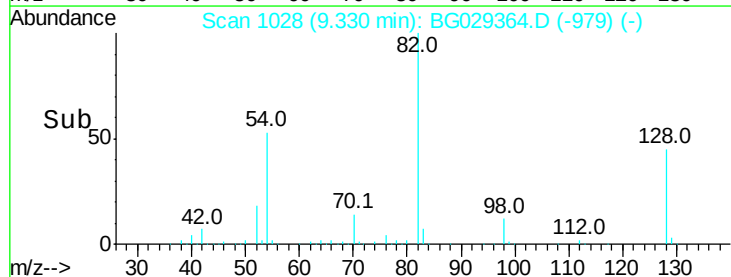
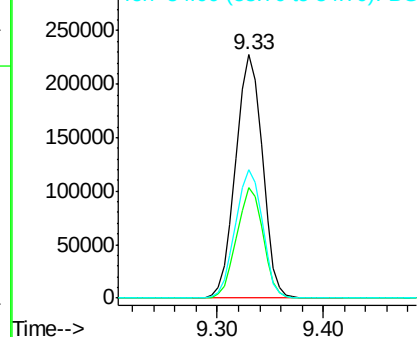


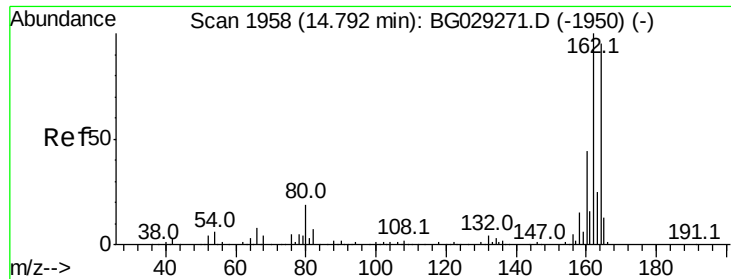
#23  
Nitrobenzene-d5  
Concen: 85.292 ng  
RT: 9.33 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BG029364.D  
Acq: 19 Oct 2017 13:17

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 398622      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 45.2  | 29.7 44.5#  |
| 54          | 52.6  | 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

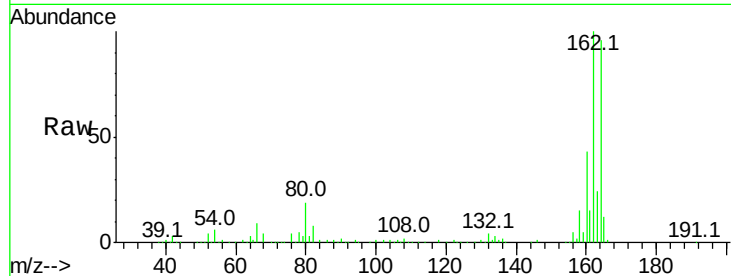




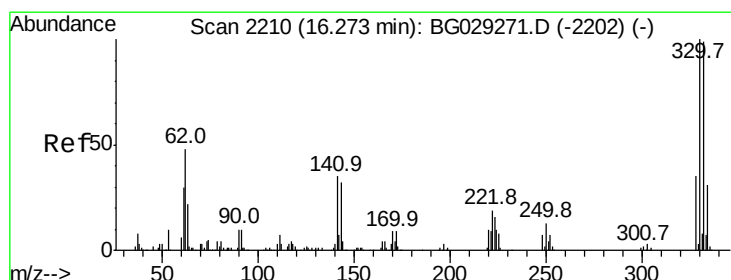
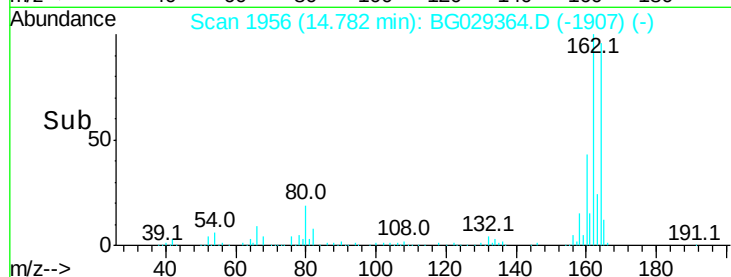
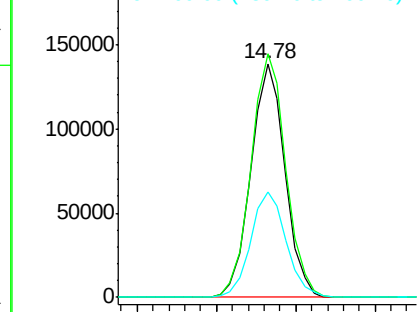
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.78 min Scan# 1956  
Delta R.T. -0.01 min  
Lab File: BG029364.D  
Acq: 19 Oct 2017 13:17

Instrument :  
BNA\_G  
ClientSampleId :  
S-5-20170692

Tot Ion:164 Resp: 206093  
Ion Ratio Lower Upper  
164 100  
162 104.1 78.8 118.2  
160 45.0 35.4 53.0

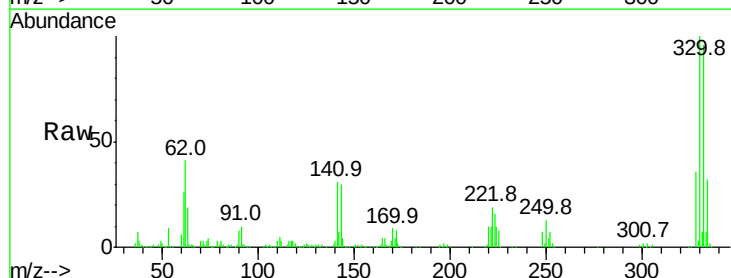


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

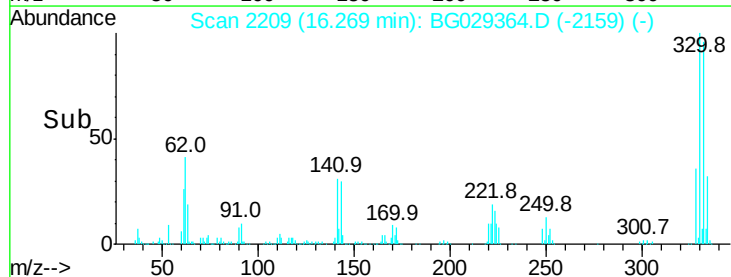
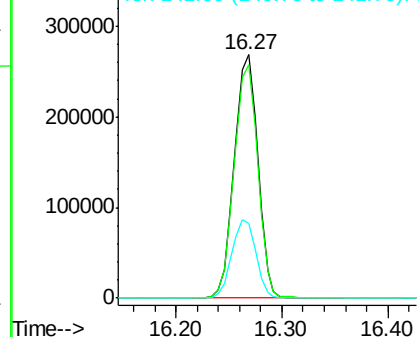


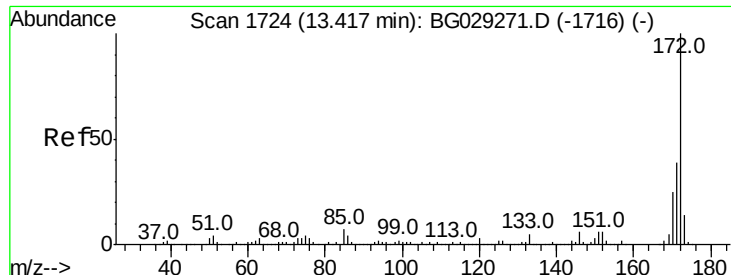
#41  
2,4,6-Tribromophenol  
Concen: 155.061 ng  
RT: 16.27 min Scan# 2209  
Delta R.T. -0.00 min  
Lab File: BG029364.D  
Acq: 19 Oct 2017 13:17

Tgt Ion:330 Resp: 412597  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.0 115.6  
141 32.9 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

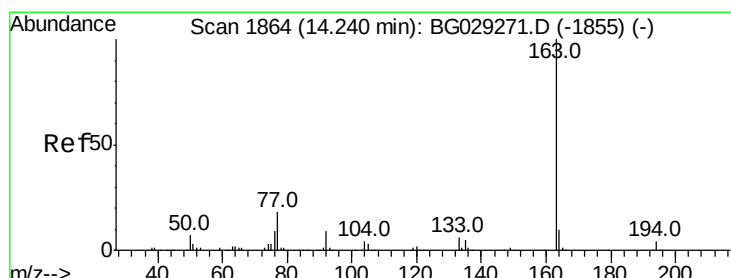
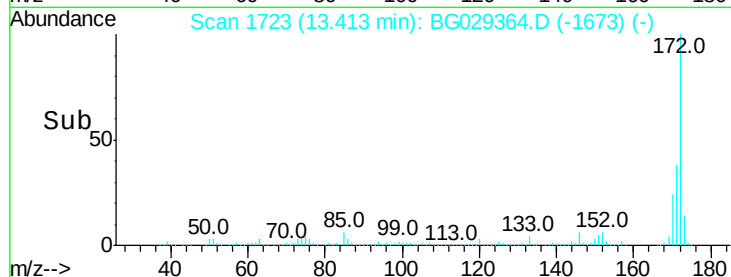
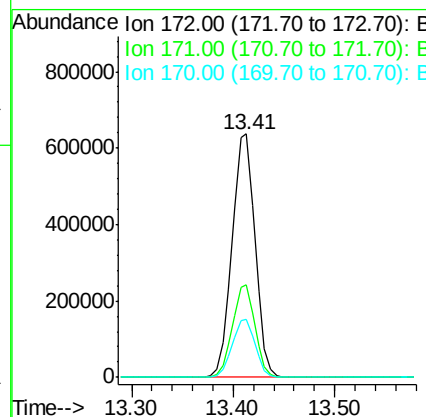
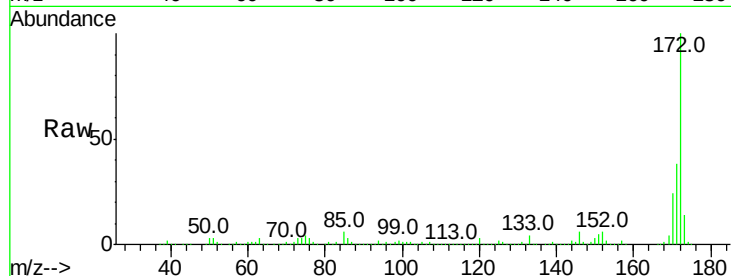




#44  
 2-Fluorobiphenyl  
 Concen: 71.083 ng  
 RT: 13.41 min Scan# 1723  
 Delta R.T. -0.00 min  
 Lab File: BG029364.D  
 Acq: 19 Oct 2017 13:17

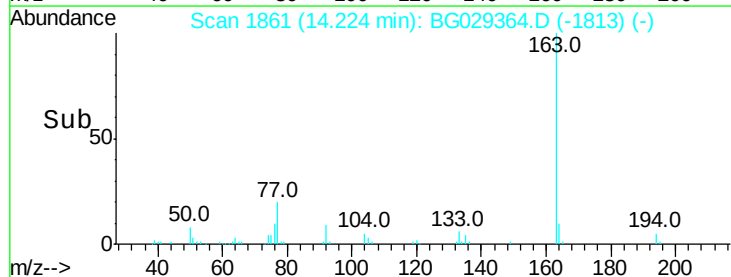
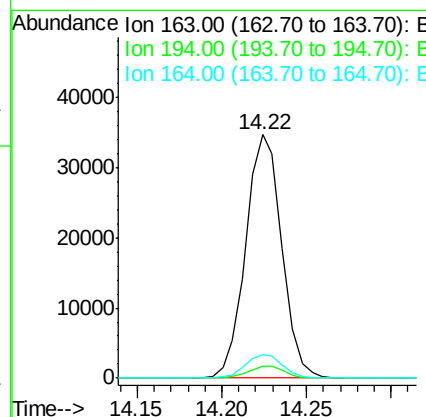
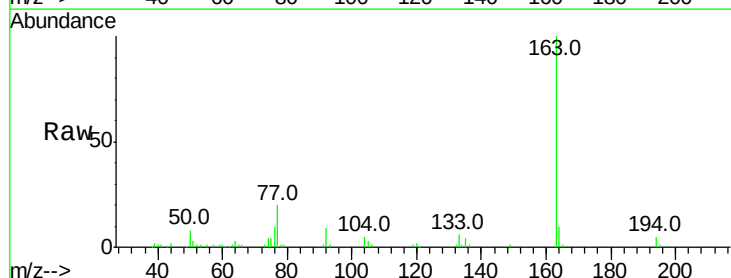
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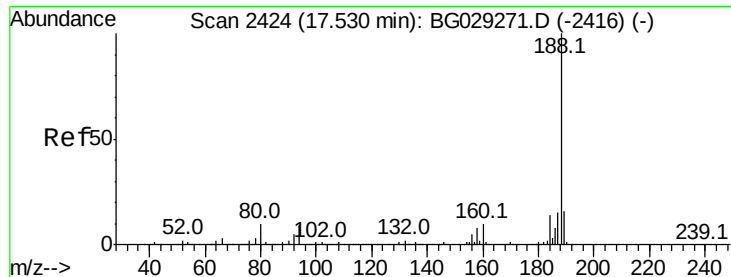
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.2  | 30.0  | 45.0  |
| 170     | 23.6  | 19.5  | 29.3  |



#49  
 Dimethylphthalate  
 Concen: 3.188 ng  
 RT: 14.22 min Scan# 1861  
 Delta R.T. -0.02 min  
 Lab File: BG029364.D  
 Acq: 19 Oct 2017 13:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.7   | 3.4   | 5.2   |
| 164     | 9.8   | 8.2   | 12.4  |

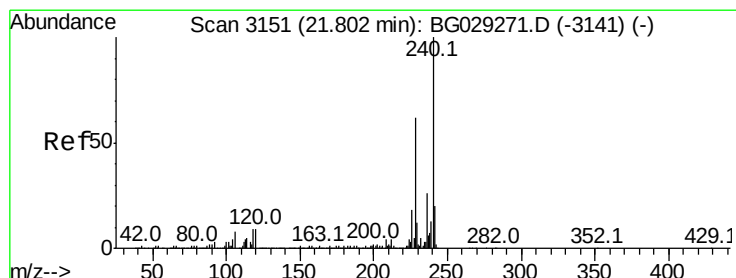
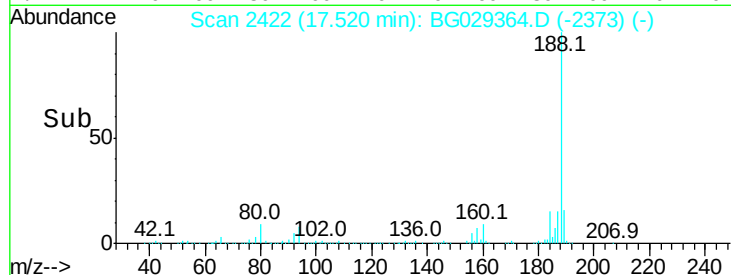
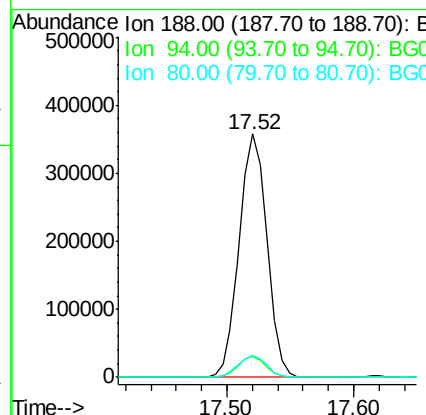
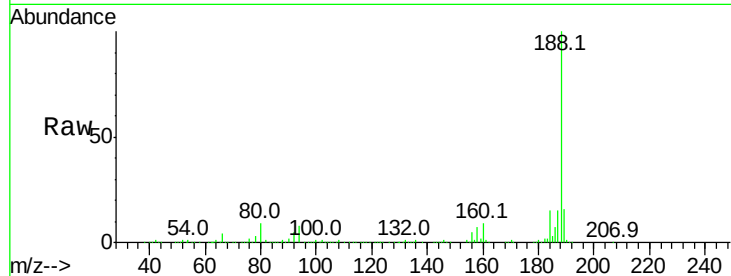




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.52 min Scan# 2422  
Delta R.T. -0.01 min  
Lab File: BG029364.D  
Acq: 19 Oct 2017 13:17

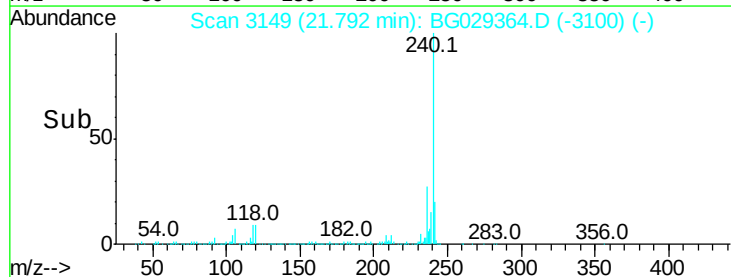
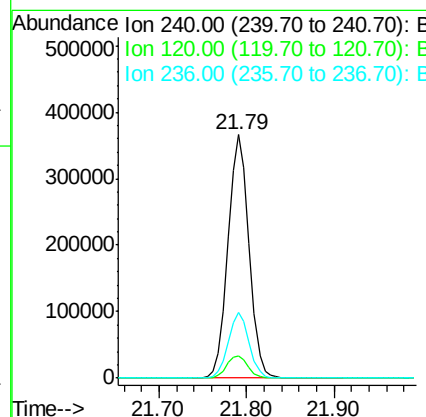
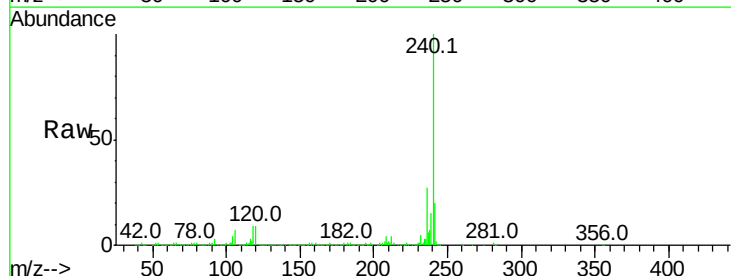
Instrument :  
BNA\_G  
ClientSampleId :  
S-5-20170692

Tot Ion:188 Resp: 541830  
Ion Ratio Lower Upper  
188 100  
94 8.4 6.9 10.3  
80 9.4 7.7 11.5

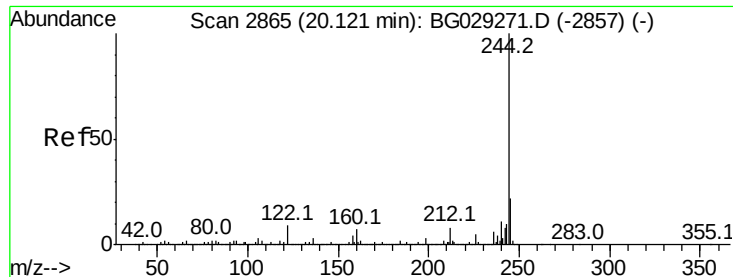


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.79 min Scan# 3149  
Delta R.T. -0.01 min  
Lab File: BG029364.D  
Acq: 19 Oct 2017 13:17

Tgt Ion:240 Resp: 606065  
Ion Ratio Lower Upper  
240 100  
120 9.3 6.8 10.2  
236 27.1 20.9 31.3







#78

Terphenyl-d14

Concen: 65.719 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG029364.D

Acq: 19 Oct 2017 13:17

Instrument :

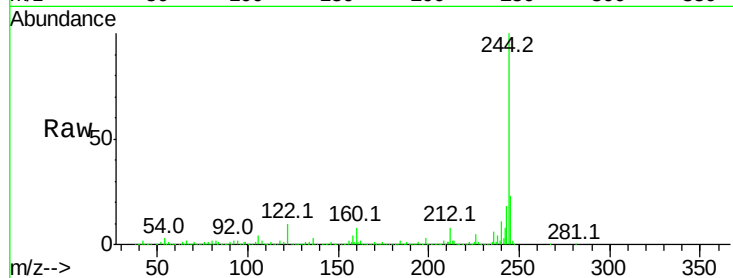
BNA\_G

ClientSampleId :

S-5-20170692

Tot Ion:244 Resp: 1750816

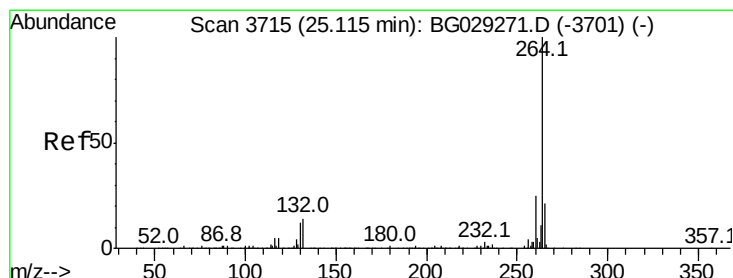
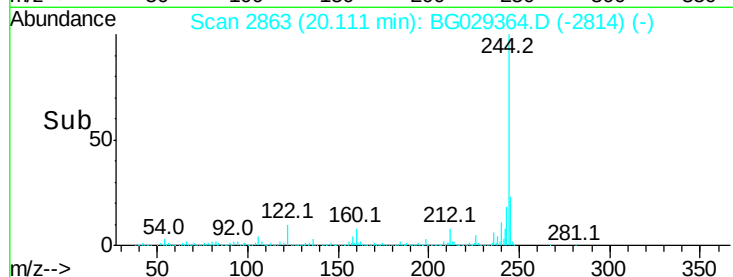
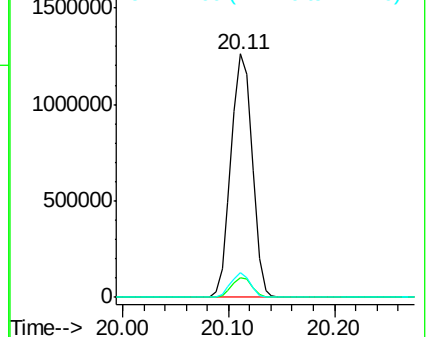
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.2   | 5.8   | 8.8   |
| 122 | 10.0  | 7.0   | 10.4  |



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: 25.10 min Scan# 3712

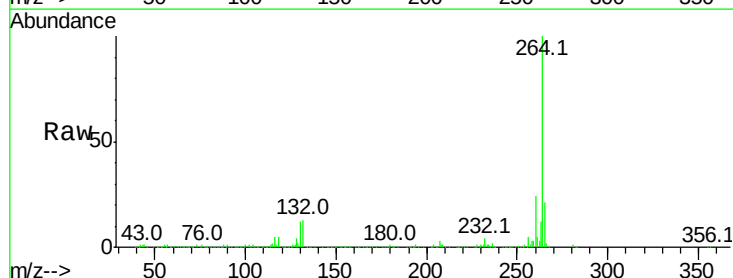
Delta R.T. -0.02 min

Lab File: BG029364.D

Acq: 19 Oct 2017 13:17

Tgt Ion:264 Resp: 624706

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.9  | 17.4  | 26.0  |
| 265 | 20.8  | 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

