

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071718\  
 Data File : BG035704.D  
 Acq On : 18 Jul 2018 5:46  
 Operator : JU/SJ  
 Sample : J3990-04  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 071218-DBRI-F-U-B

Quant Time: Jul 18 07:13:11 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 12 14:43:32 2018  
 Response via : Initial Calibration

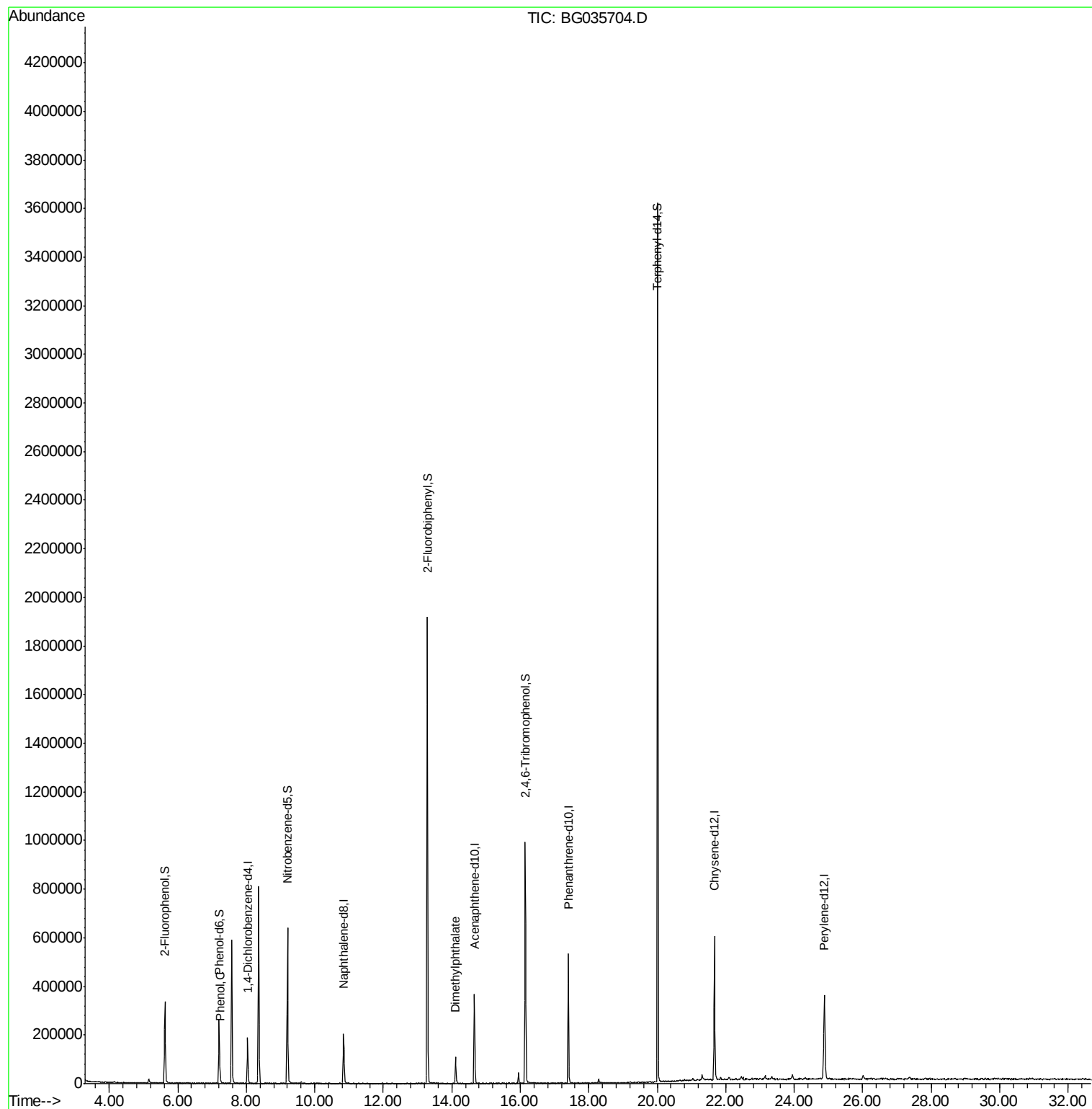
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 50449    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.84 | 136  | 181650   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.66 | 164  | 126140   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.40 | 188  | 344333   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.67 | 240  | 388491   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.88 | 264  | 368616   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 155597   | 51.21  | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 163109   | 35.98  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 442957   | 101.87 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 183604   | 110.43 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.29 | 172  | 1001476  | 106.37 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.01 | 244  | 1643091  | 93.23  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.24  | 94   | 11060    | 2.415  | ng    | 87       |
| 49) Dimethylphthalate       | 14.11 | 163  | 82150    | 7.433  | ng    | # 99     |

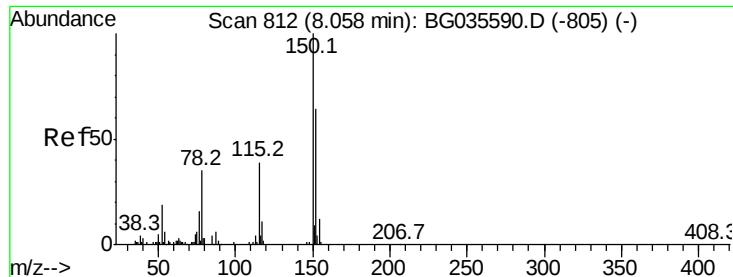
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071718\  
Data File : BG035704.D  
Acq On : 18 Jul 2018 5:46  
Operator : JU/SJ  
Sample : J3990-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
071218-DBRI-F-U-B

Quant Time: Jul 18 07:13:11 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 12 14:43:32 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.02 min

Lab File: BG035704.D

Acq: 18 Jul 2018 5:46

Instrument :

BNA\_G

ClientSampleId :

071218-DBRI-F-U-B

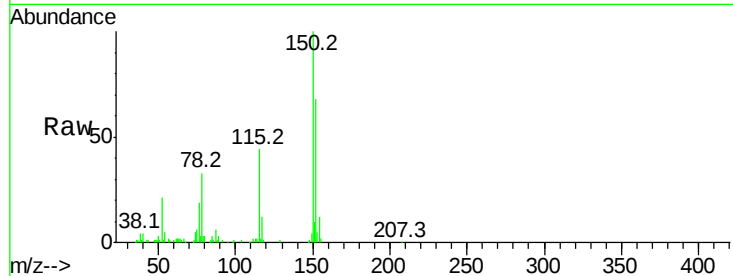
Tot Ion:152 Resp: 50449

Ion Ratio Lower Upper

152 100

150 147.3 126.6 189.8

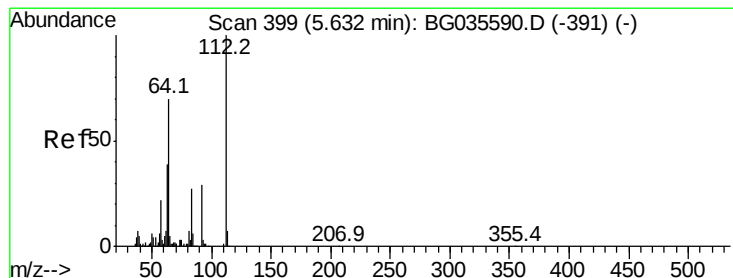
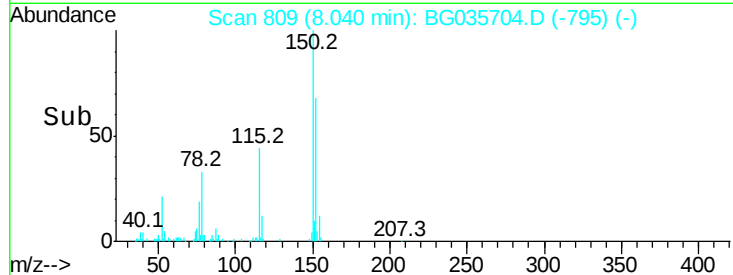
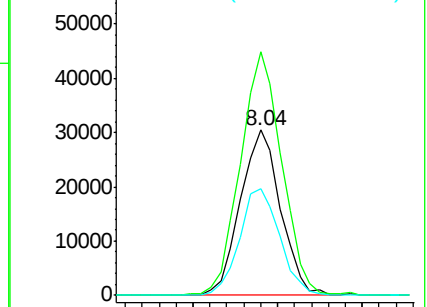
115 64.3 53.0 79.4



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: 51.206 ng

RT: 5.63 min Scan# 398

Delta R.T. -0.01 min

Lab File: BG035704.D

Acq: 18 Jul 2018 5:46

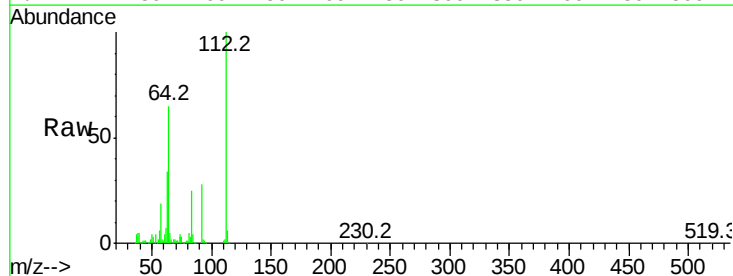
Tgt Ion:112 Resp: 155597

Ion Ratio Lower Upper

112 100

64 64.7 56.3 84.5

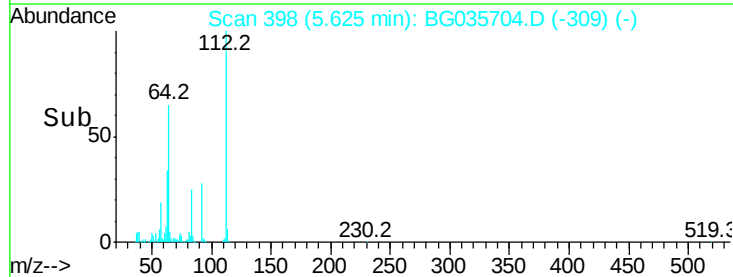
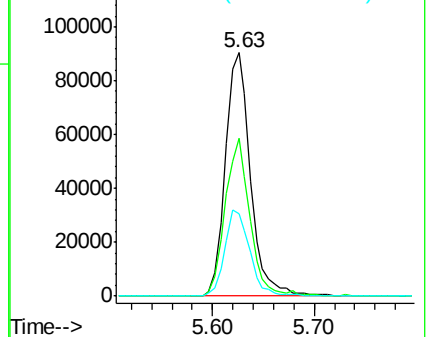
63 34.1 30.1 45.1

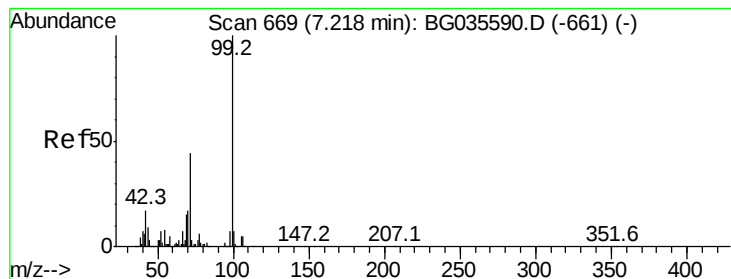


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 35.977 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG035704.D

Acq: 18 Jul 2018 5:46

Instrument :

BNA\_G

ClientSampleId :

071218-DBRI-F-U-B

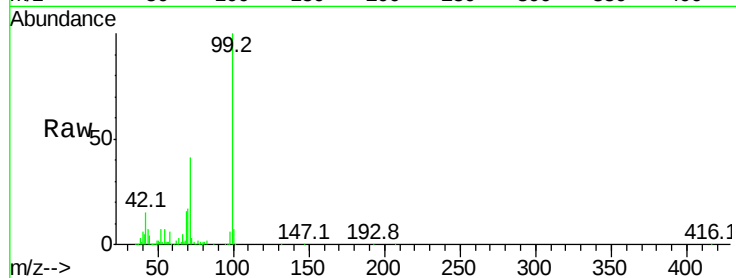
Tot Ion: 99 Resp: 163109

Ion Ratio Lower Upper

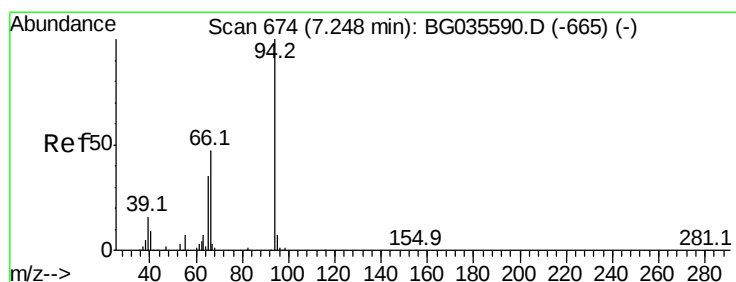
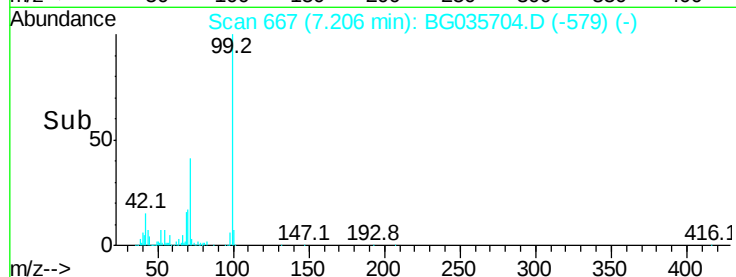
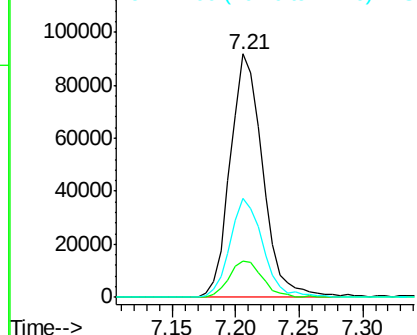
99 100

42 15.0 14.1 21.1

71 40.6 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: 2.415 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG035704.D

Acq: 18 Jul 2018 5:46

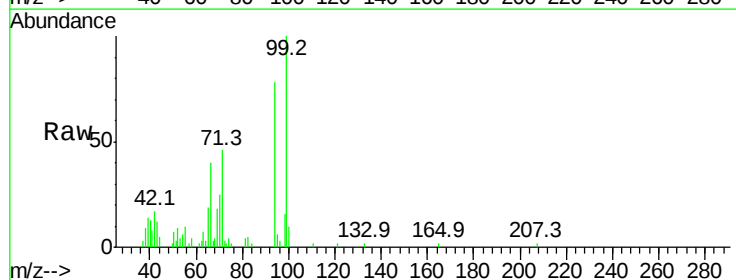
Tgt Ion: 94 Resp: 11060

Ion Ratio Lower Upper

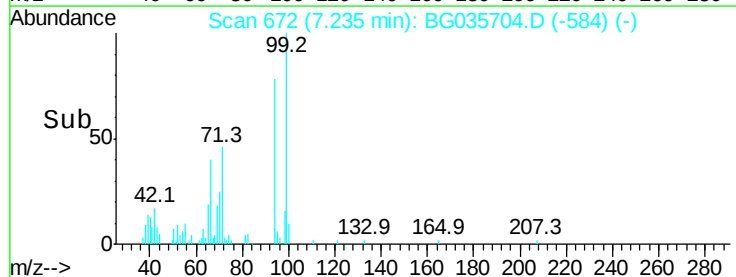
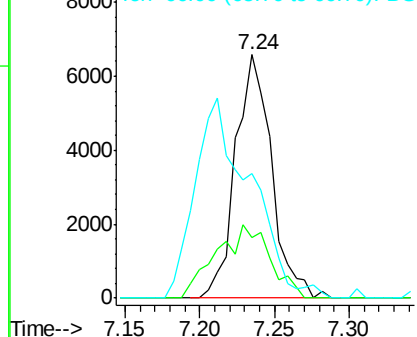
94 100

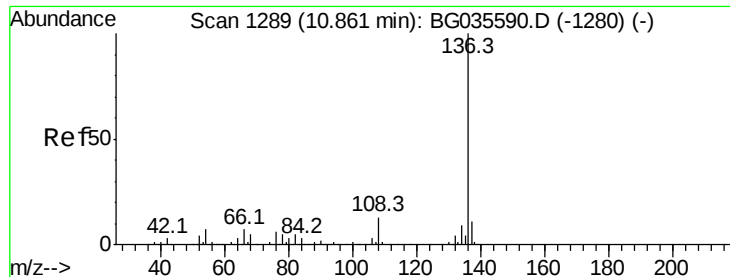
65 25.0 11.9 51.9

66 51.2 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

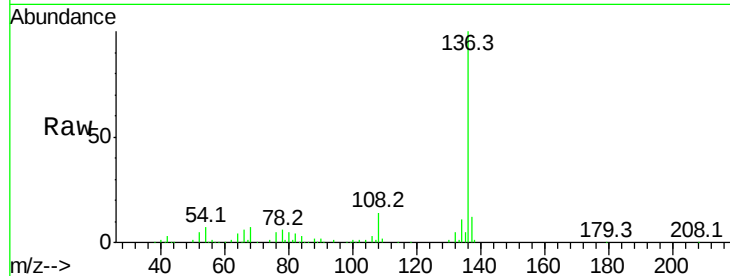




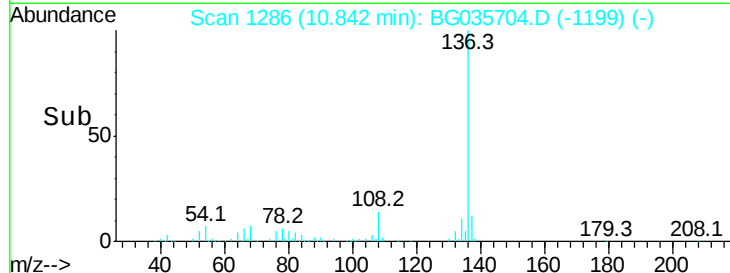
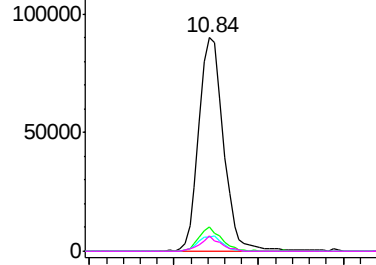
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.84 min Scan# 1286  
Delta R.T. -0.02 min  
Lab File: BG035704.D  
Acq: 18 Jul 2018 5:46

Instrument :  
BNA\_G  
ClientSampleId :  
071218-DBRI-F-U-B

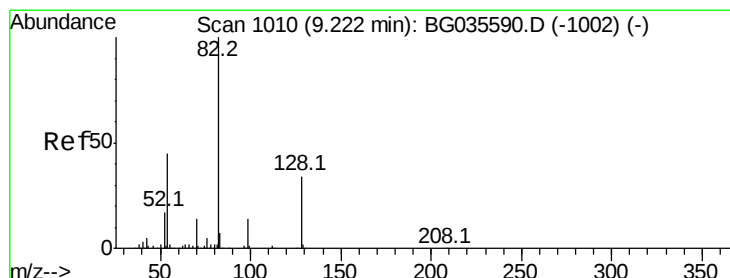
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.6  | 9.2   | 13.8  |
| 54      | 6.5   | 10.3  | 15.5# |
| 68      | 7.2   | 4.5   | 6.7#  |



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

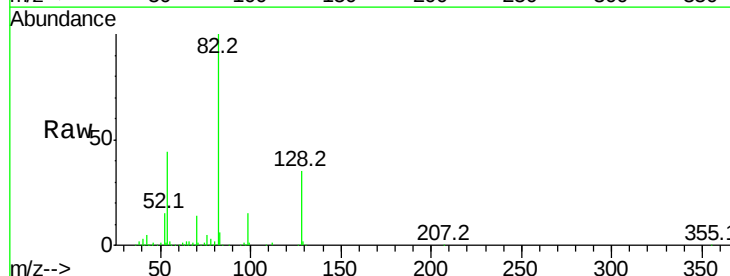


Time-->

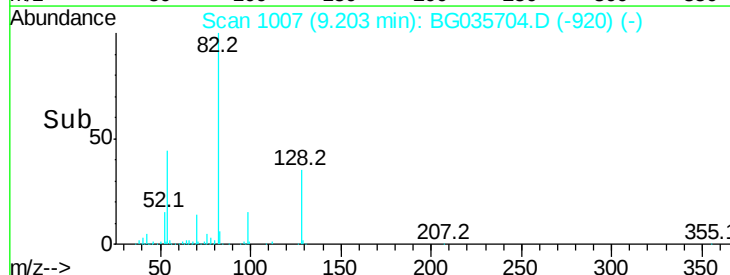
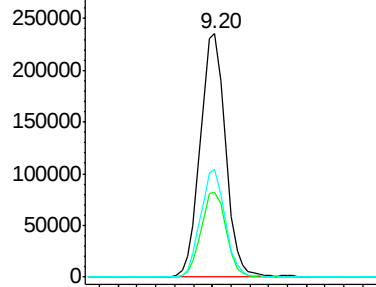


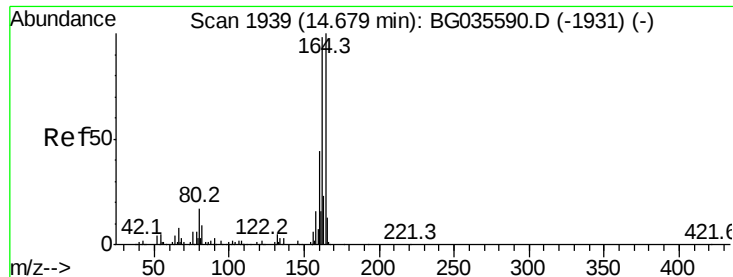
#23  
Nitrobenzene-d5  
Concen: 101.868 ng  
RT: 9.20 min Scan# 1007  
Delta R.T. -0.02 min  
Lab File: BG035704.D  
Acq: 18 Jul 2018 5:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 34.9  | 29.7  | 44.5  |
| 54      | 44.5  | 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: 14.66 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BG035704.D

Acq: 18 Jul 2018 5:46

Instrument :

BNA\_G

ClientSampleId :

071218-DBRI-F-U-B

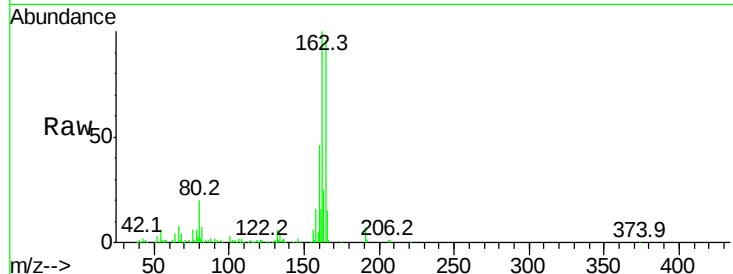
Tot Ion:164 Resp: 126140

Ion Ratio Lower Upper

164 100

162 104.7 78.8 118.2

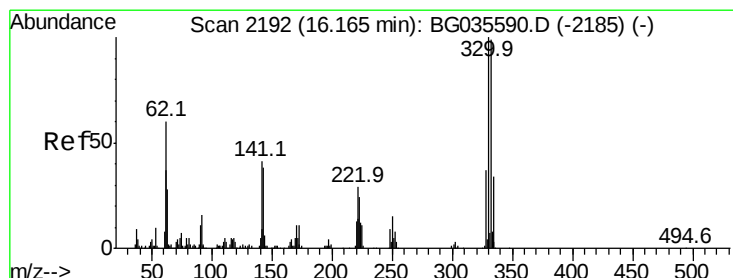
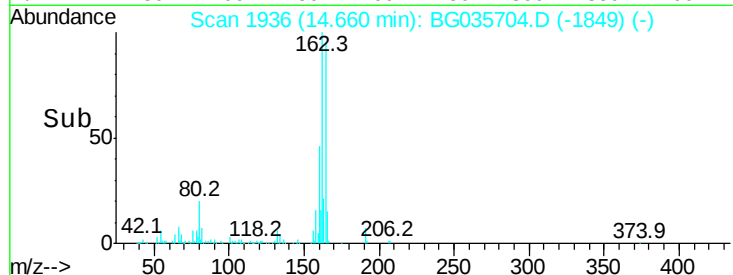
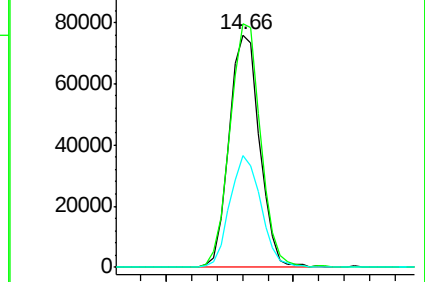
160 47.9 35.4 53.0



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: 110.431 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG035704.D

Acq: 18 Jul 2018 5:46

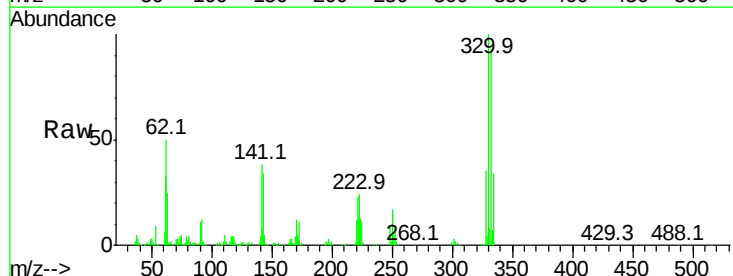
Tgt Ion:330 Resp: 183604

Ion Ratio Lower Upper

330 100

332 93.9 77.0 115.6

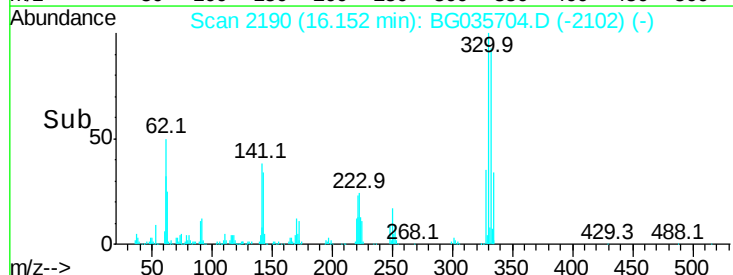
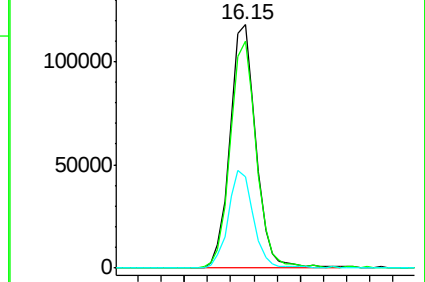
141 39.0 25.2 37.8#

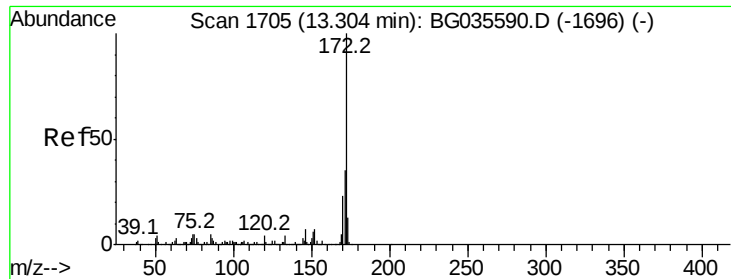


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

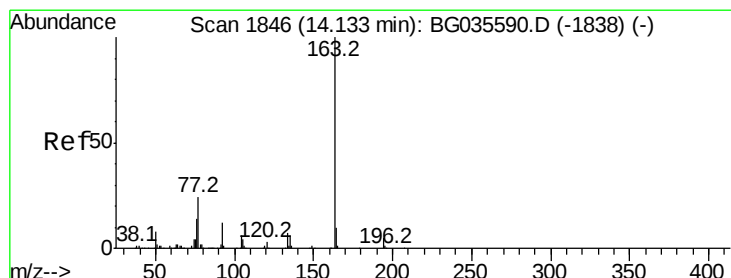
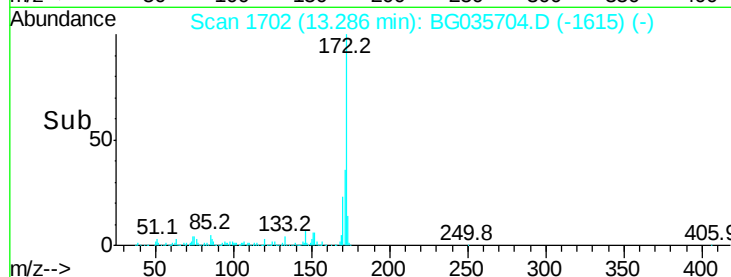
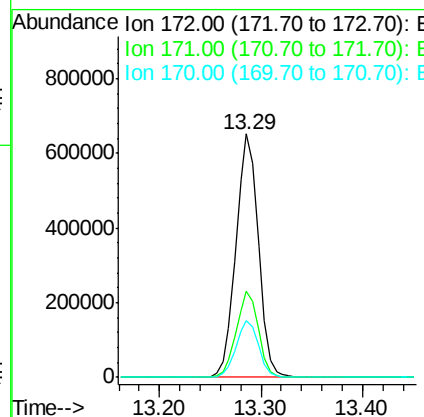
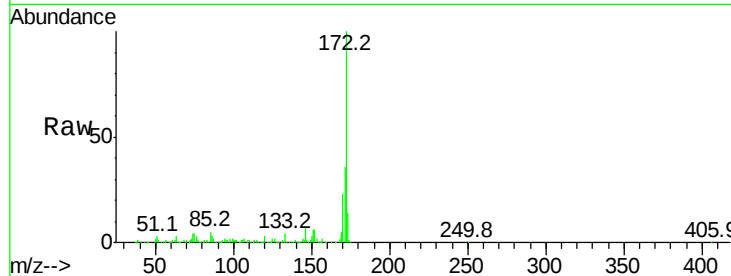




#44  
2-Fluorobiphenyl  
Concen: 106.367 ng  
RT: 13.29 min Scan# 1702  
Delta R.T. -0.02 min  
Lab File: BG035704.D  
Acq: 18 Jul 2018 5:46

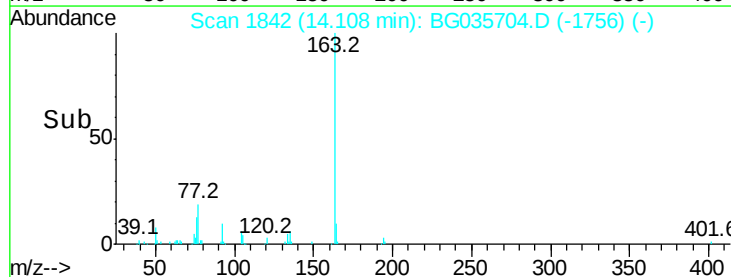
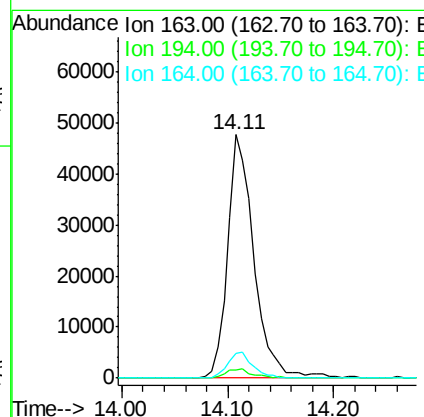
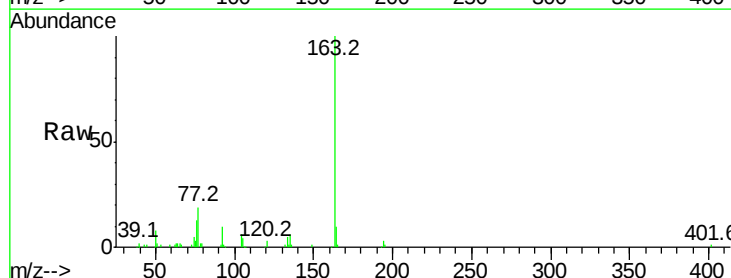
Instrument :  
BNA\_G  
ClientSampleId :  
071218-DBRI-F-U-B

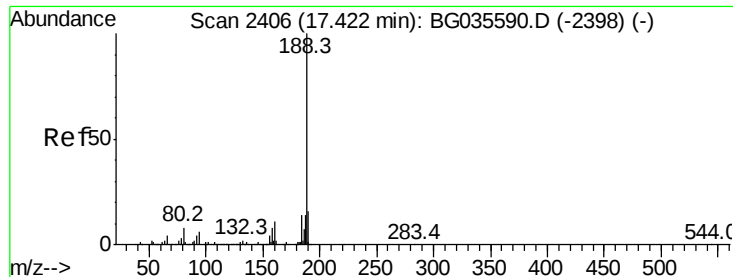
Tot Ion:172 Resp: 1001476  
Ion Ratio Lower Upper  
172 100  
171 35.5 30.0 45.0  
170 23.3 19.5 29.3



#49  
Dimethylphthalate  
Concen: 7.433 ng  
RT: 14.11 min Scan# 1842  
Delta R.T. -0.02 min  
Lab File: BG035704.D  
Acq: 18 Jul 2018 5:46

Tgt Ion:163 Resp: 82150  
Ion Ratio Lower Upper  
163 100  
194 3.4 3.4 5.2#  
164 9.9 8.2 12.4





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2403

Delta R.T. -0.02 min

Lab File: BG035704.D

Acq: 18 Jul 2018 5:46

Instrument :

BNA\_G

ClientSampleId :

071218-DBRI-F-U-B

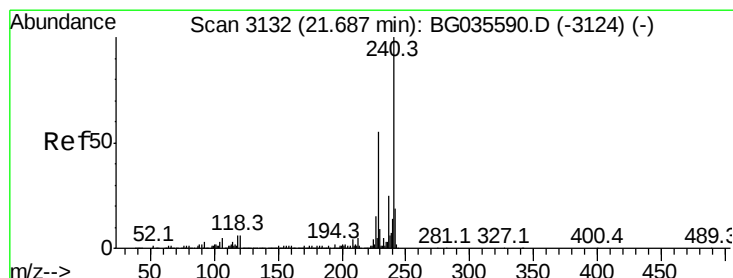
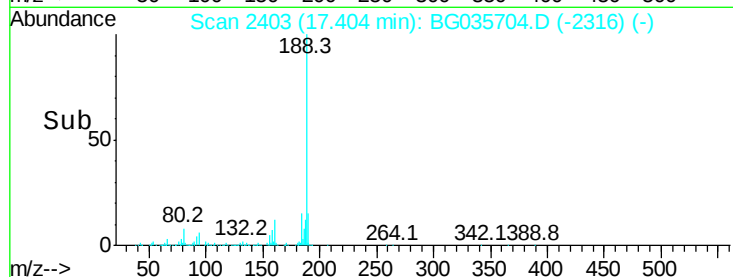
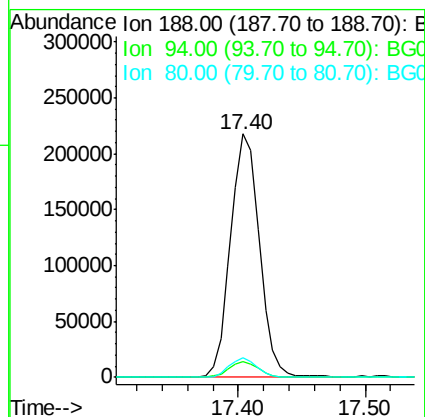
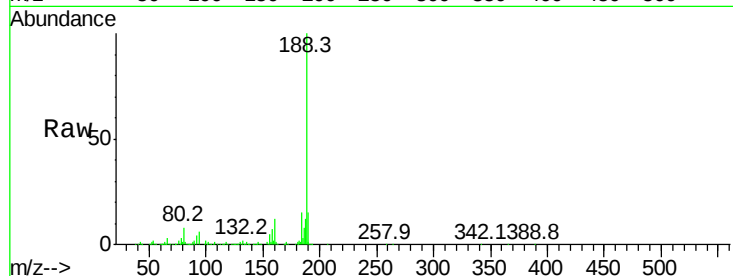
Tot Ion:188 Resp: 344333

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

80 7.9 7.7 11.5



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG035704.D

Acq: 18 Jul 2018 5:46

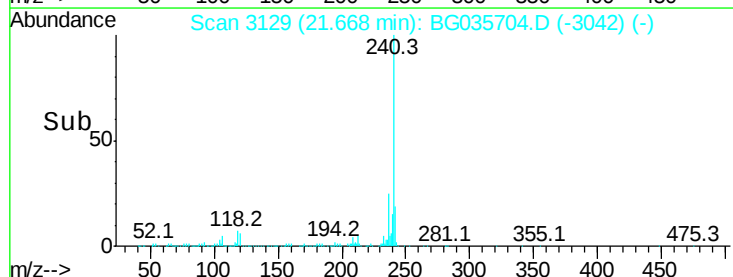
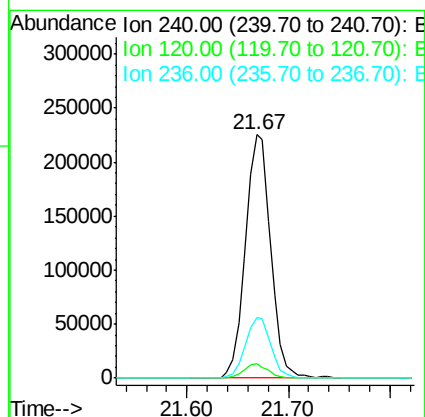
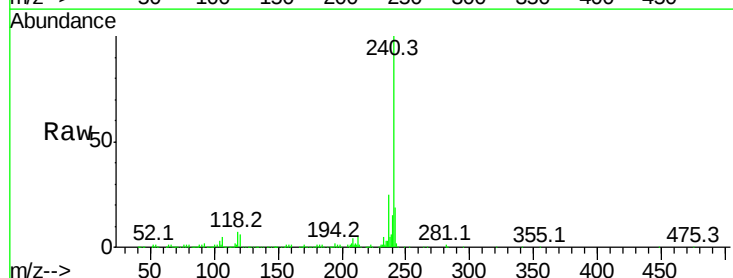
Tgt Ion:240 Resp: 388491

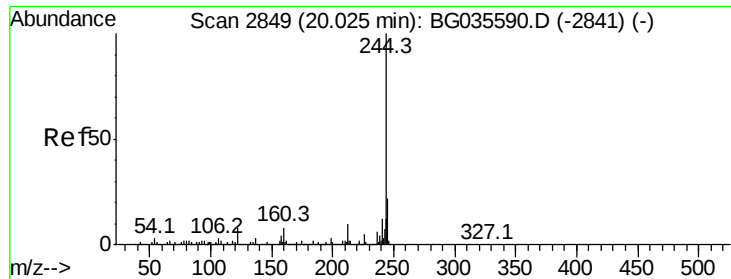
Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

236 24.8 20.9 31.3





#78

Terphenyl-d14

Concen: 93.229 ng

RT: 20.01 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG035704.D

Acq: 18 Jul 2018 5:46

Instrument :

BNA\_G

ClientSampleId :

071218-DBRI-F-U-B

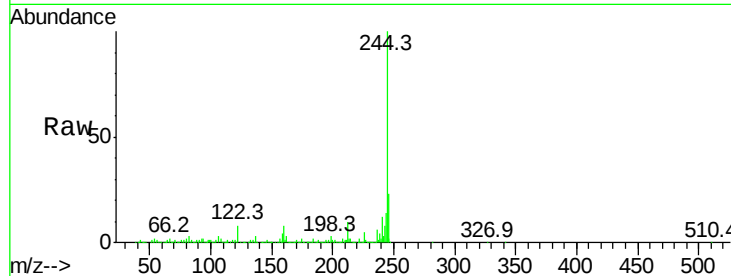
Tot Ion:244 Resp: 1643091

Ion Ratio Lower Upper

244 100

212 10.3 5.8 8.8#

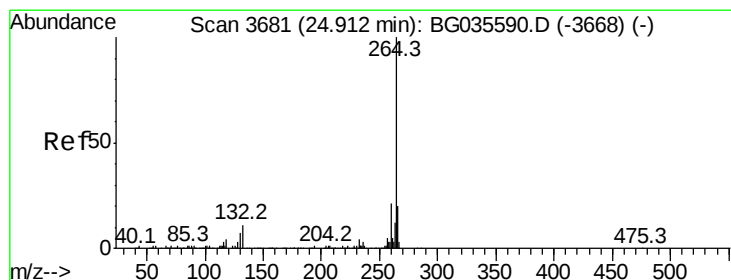
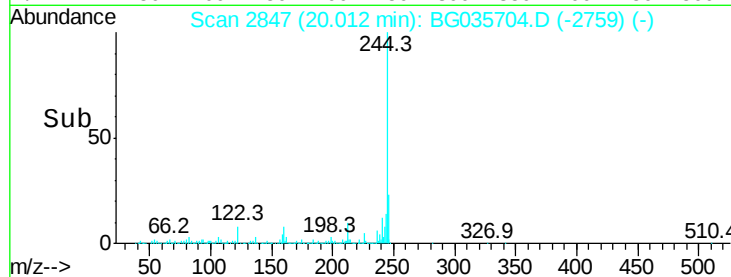
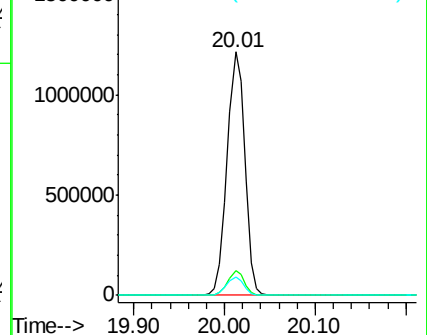
122 7.5 7.0 10.4



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: 24.88 min Scan# 3676

Delta R.T. -0.03 min

Lab File: BG035704.D

Acq: 18 Jul 2018 5:46

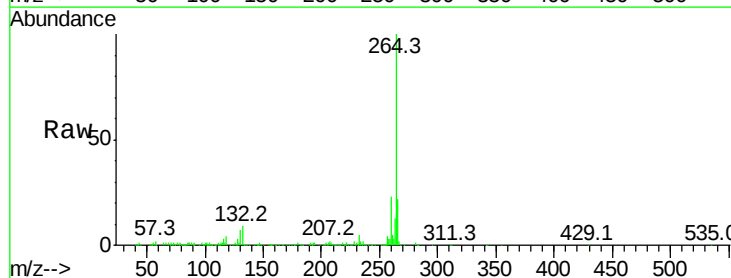
Tgt Ion:264 Resp: 368616

Ion Ratio Lower Upper

264 100

260 23.4 17.4 26.0

265 22.0 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

