

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060717\  
 Data File : BG027298.D  
 Acq On : 8 Jun 2017 00:32  
 Operator : SJ/MA  
 Sample : I3479-12  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-5(8-10)20170604

Quant Time: Jun 08 07:06:58 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:00:35 2017  
 Response via : Initial Calibration

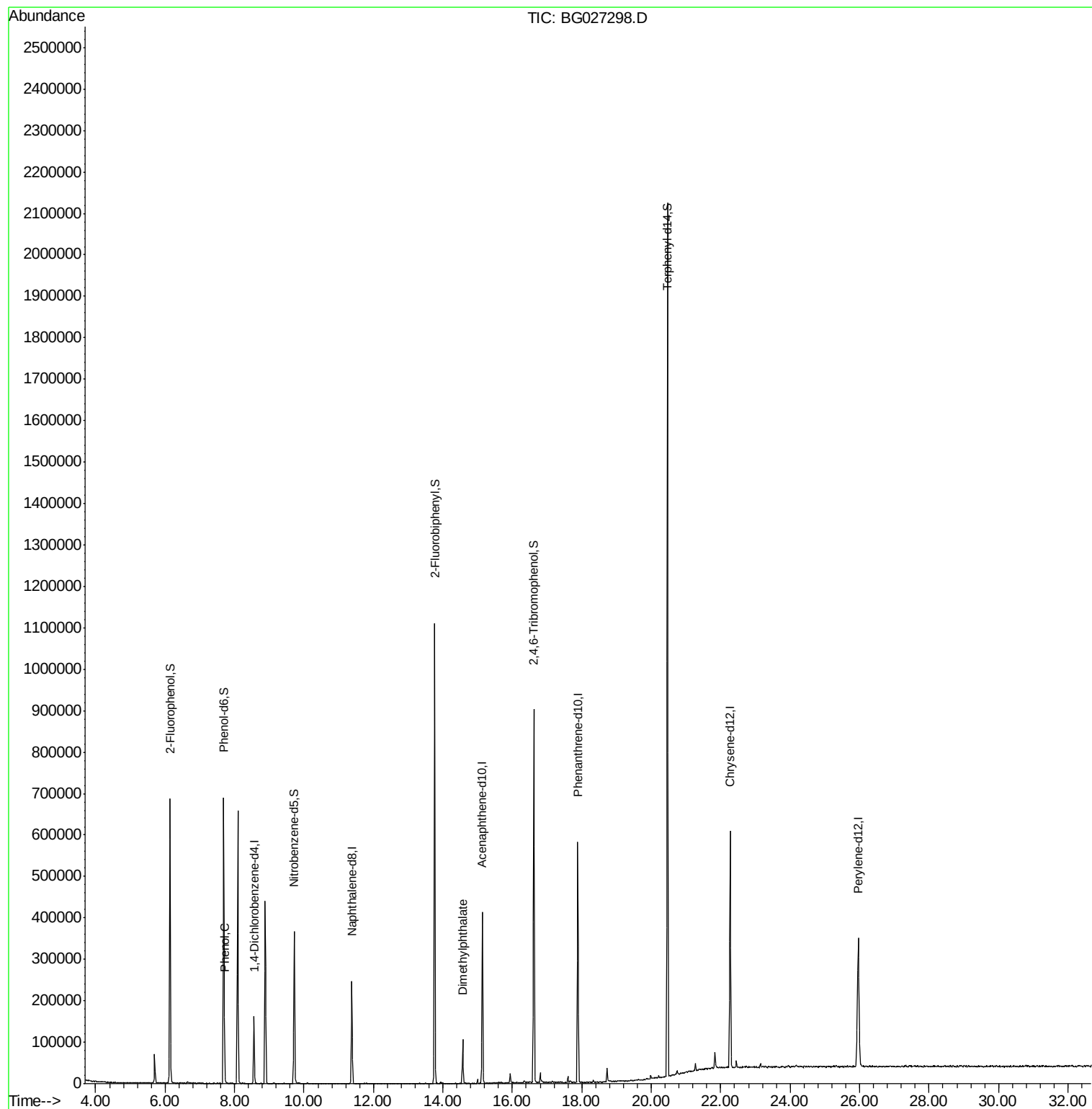
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.56  | 152  | 46855    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 11.38 | 136  | 225482   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 15.14 | 164  | 147748   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.89 | 188  | 364928   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 22.28 | 240  | 412059   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 25.96 | 264  | 379070   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.14  | 112  | 318352   | 103.68 | ng    | -0.02    |
| 7) Phenol-d6                | 7.69  | 99   | 456578   | 101.30 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.72  | 82   | 241995   | 67.50  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.62 | 330  | 176686   | 90.81  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.76 | 172  | 592766   | 56.13  | ng    | -0.03    |
| 78) Terphenyl-d14           | 20.47 | 244  | 933172   | 57.77  | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.72  | 94   | 9827     | 2.13   | ng    | 81       |
| 49) Dimethylphthalate       | 14.57 | 163  | 74405    | 6.35   | ng    | 96       |

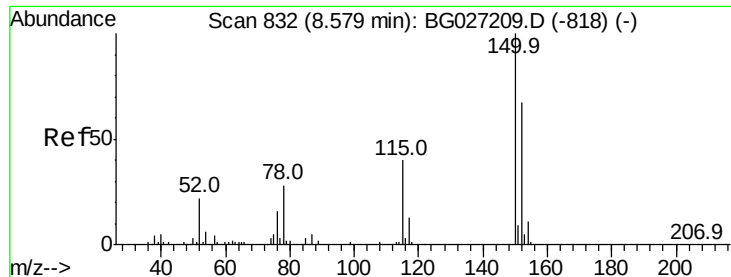
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.56 min Scan# 829

Delta R.T. -0.02 min

Lab File: BG027298.D

Acq: 8 Jun 2017 00:32

Instrument :

BNA\_G

ClientSampleId :

SB-5(8-10)20170604

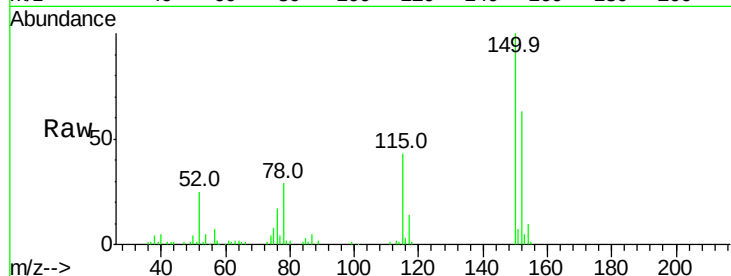
Tot Ion:152 Resp: 46855

Ion Ratio Lower Upper

152 100

150 158.7 114.0 171.0

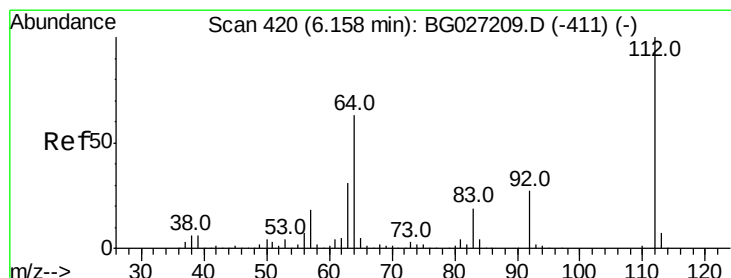
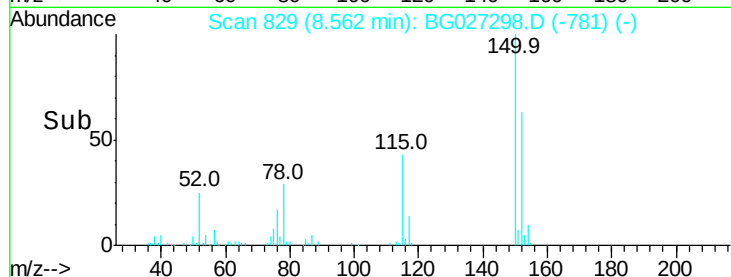
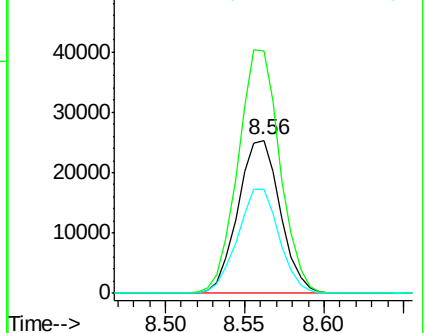
115 68.3 48.1 72.1



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: 103.68 ng

RT: 6.14 min Scan# 417

Delta R.T. -0.02 min

Lab File: BG027298.D

Acq: 8 Jun 2017 00:32

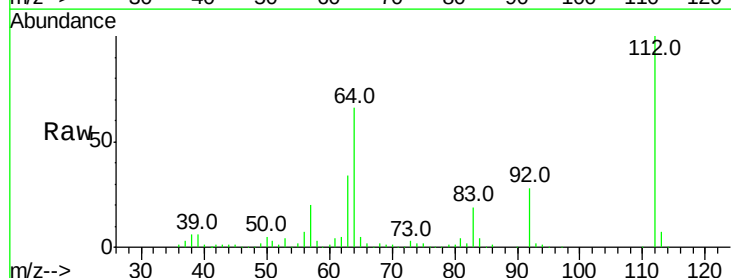
Tgt Ion:112 Resp: 318352

Ion Ratio Lower Upper

112 100

64 66.2 61.8 92.6

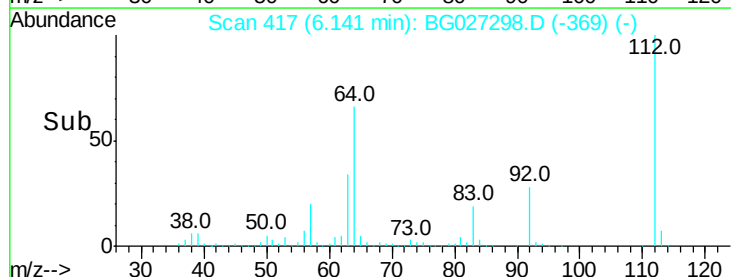
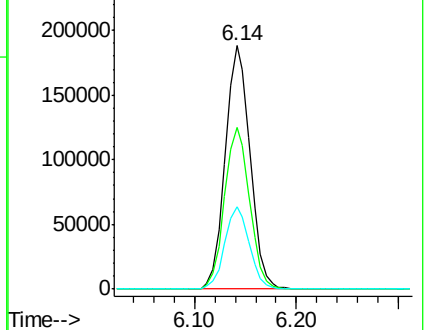
63 33.6 37.2 55.8#

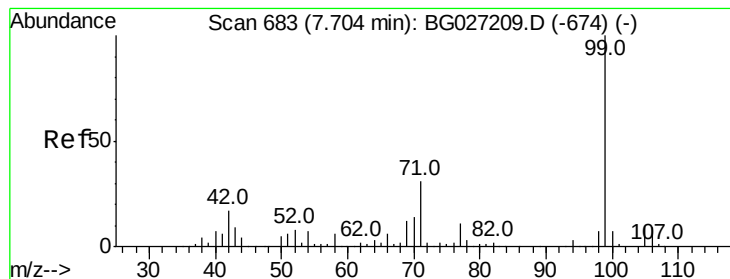


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 101.30 ng

RT: 7.69 min Scan# 680

Delta R.T. -0.02 min

Lab File: BG027298.D

Acq: 8 Jun 2017 00:32

Instrument :

BNA\_G

ClientSampleId :

SB-5(8-10)20170604

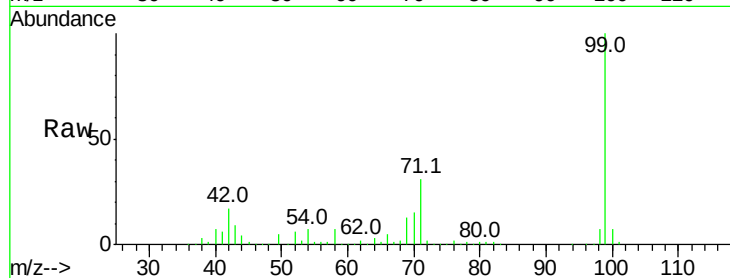
Tot Ion: 99 Resp: 456578

Ion Ratio Lower Upper

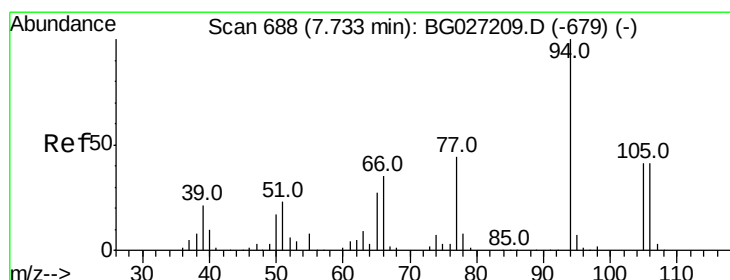
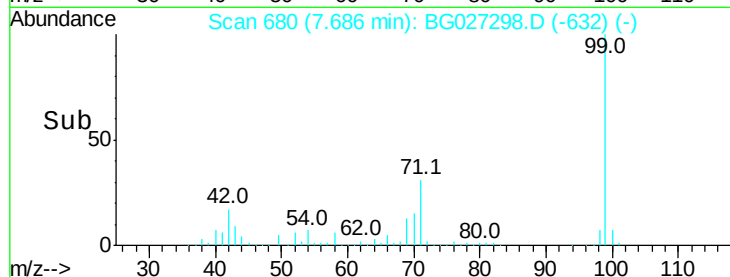
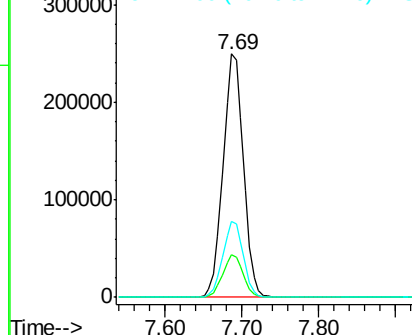
99 100

42 17.3 20.5 30.7#

71 31.4 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: 2.13 ng

RT: 7.72 min Scan# 685

Delta R.T. -0.02 min

Lab File: BG027298.D

Acq: 8 Jun 2017 00:32

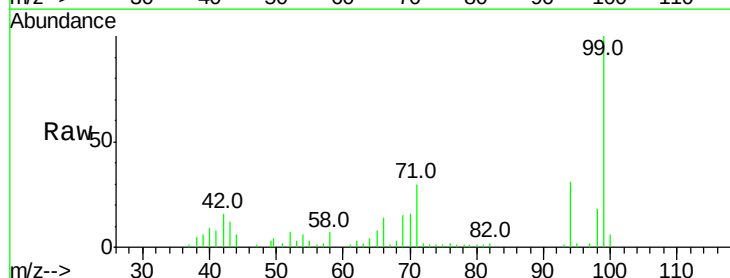
Tgt Ion: 94 Resp: 9827

Ion Ratio Lower Upper

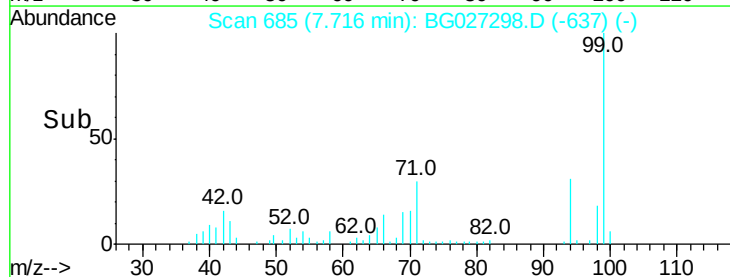
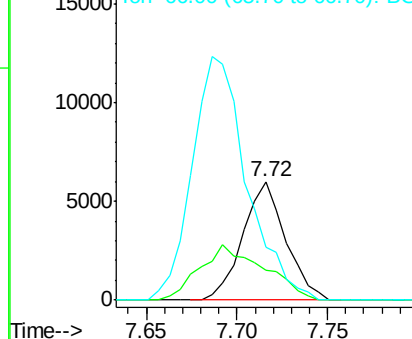
94 100

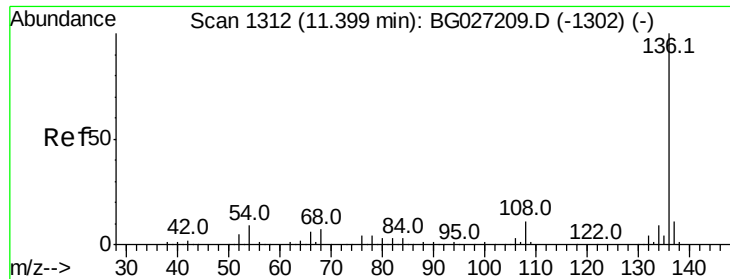
65 25.5 20.6 60.6

66 44.7 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

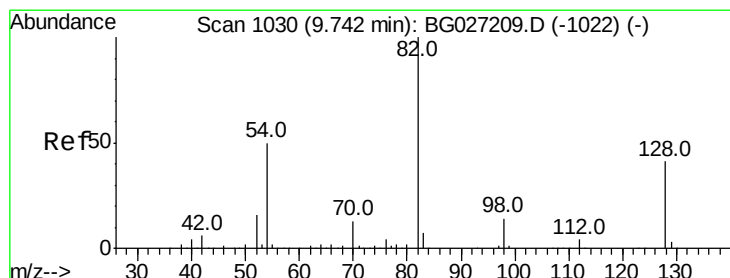
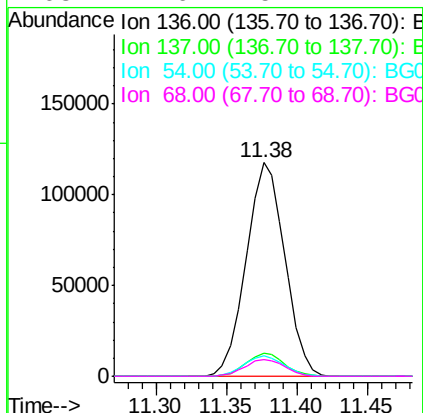
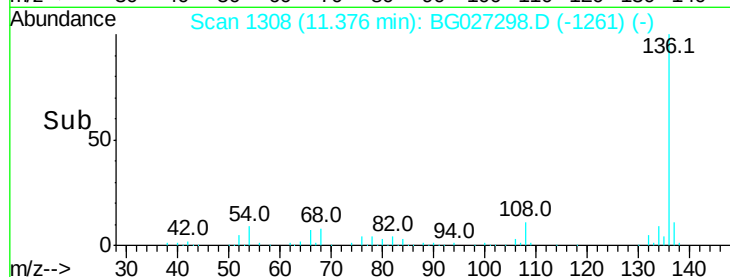
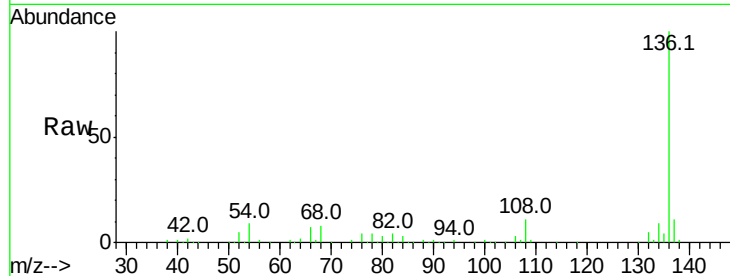




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.38 min Scan# 1308  
Delta R.T. -0.02 min  
Lab File: BG027298.D  
Acq: 8 Jun 2017 00:32

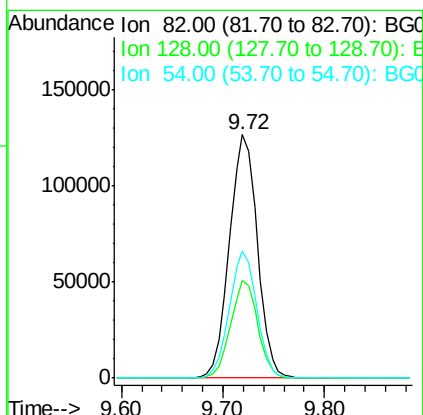
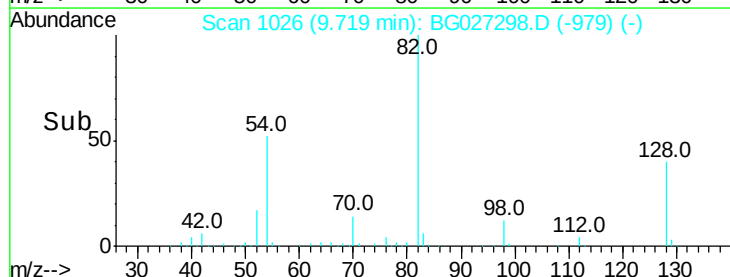
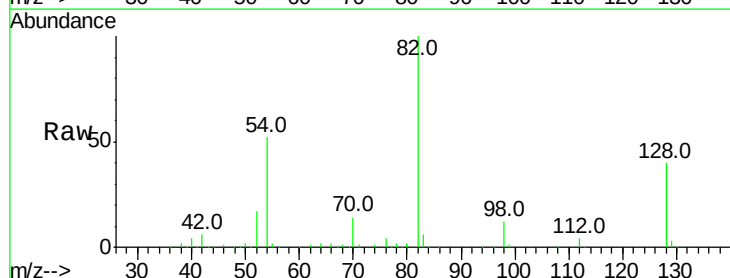
Instrument :  
BNA\_G  
ClientSampleId :  
SB-5(8-10)20170604

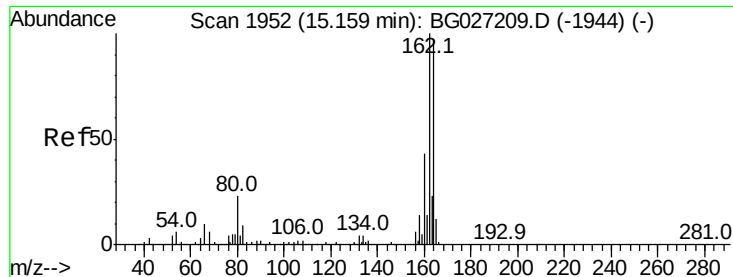
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 225482 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 9.4   | 9.3   | 13.9   |
| 68       | 7.6   | 5.1   | 7.7    |



#23  
Nitrobenzene-d5  
Concen: 67.50 ng  
RT: 9.72 min Scan# 1026  
Delta R.T. -0.02 min  
Lab File: BG027298.D  
Acq: 8 Jun 2017 00:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 241995 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 40.2  | 26.4  | 39.6#  |
| 54       | 52.5  | 49.4  | 74.2   |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.14 min Scan# 1948

Delta R.T. -0.02 min

Lab File: BG027298.D

Acq: 8 Jun 2017 00:32

Instrument :

BNA\_G

ClientSampleId :

SB-5(8-10)20170604

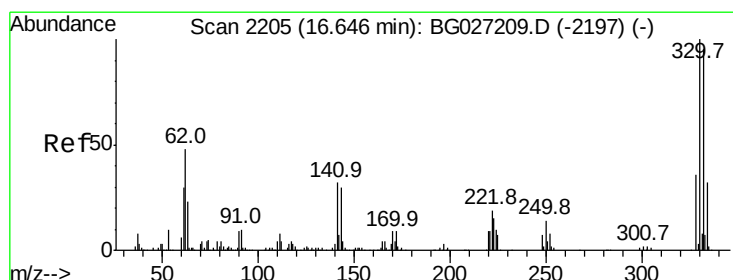
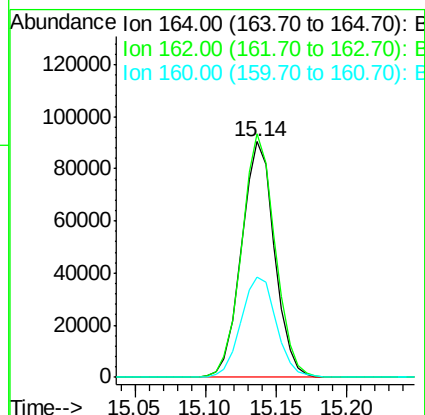
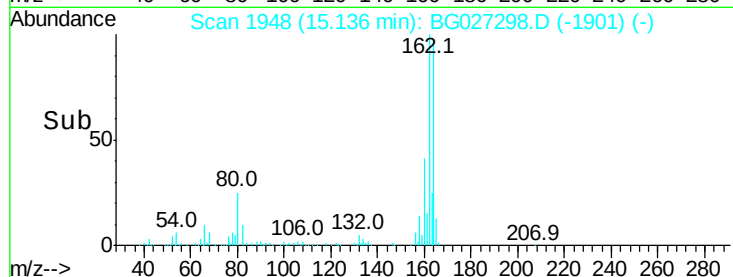
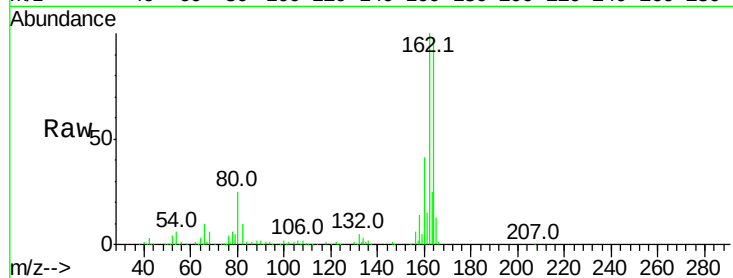
Tot Ion:164 Resp: 147748

Ion Ratio Lower Upper

164 100

162 103.2 85.1 127.7

160 42.6 34.7 52.1



#41

2,4,6-Tribromophenol

Concen: 90.81 ng

RT: 16.62 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BG027298.D

Acq: 8 Jun 2017 00:32

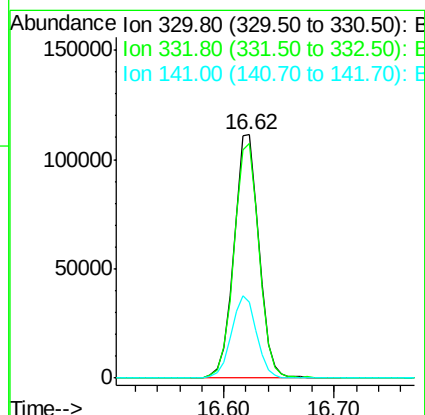
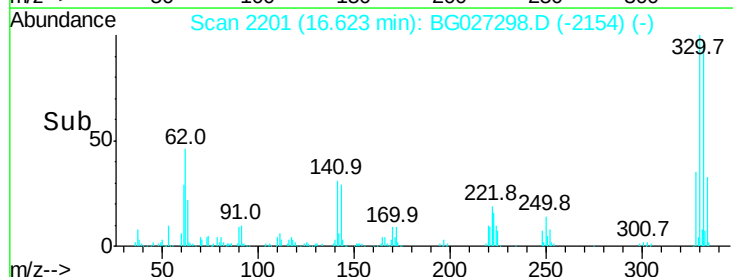
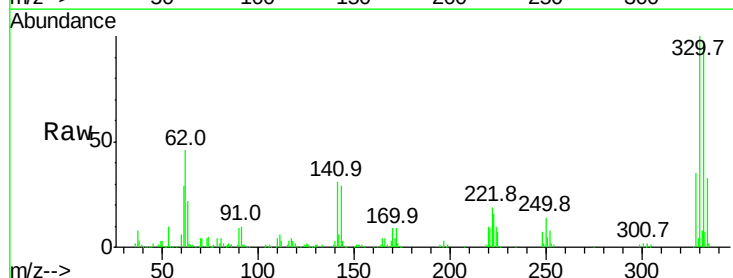
Tgt Ion:330 Resp: 176686

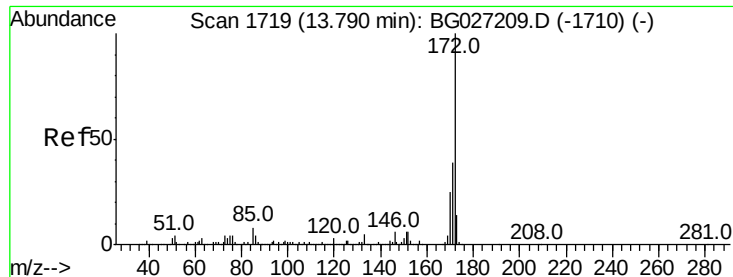
Ion Ratio Lower Upper

330 100

332 97.4 77.3 115.9

141 34.2 32.1 48.1

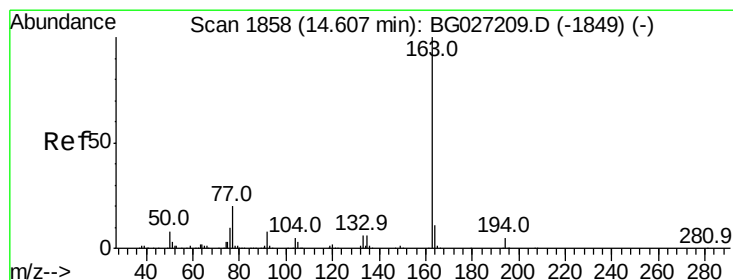
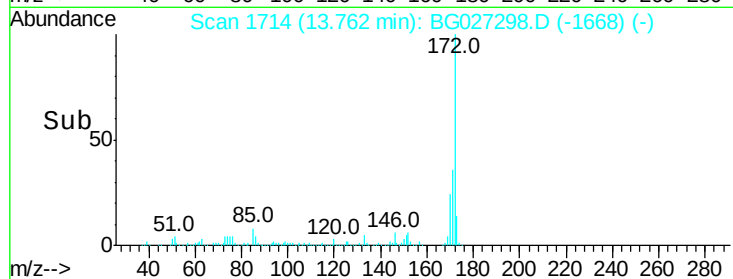
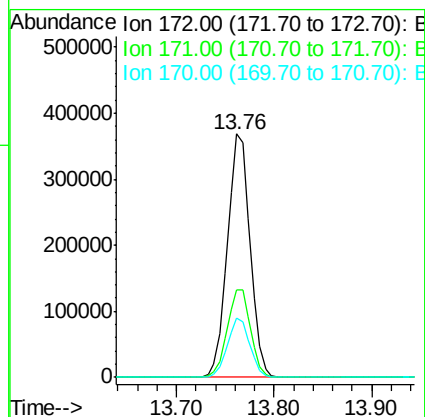
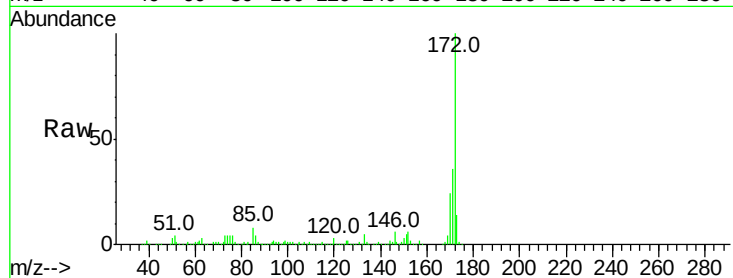




#44  
2-Fluorobiphenyl  
Concen: 56.13 ng  
RT: 13.76 min Scan# 1714  
Delta R.T. -0.03 min  
Lab File: BG027298.D  
Acq: 8 Jun 2017 00:32

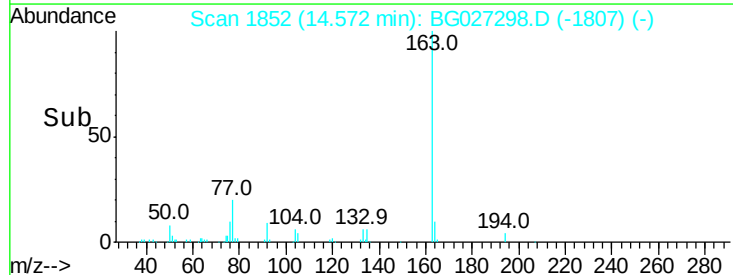
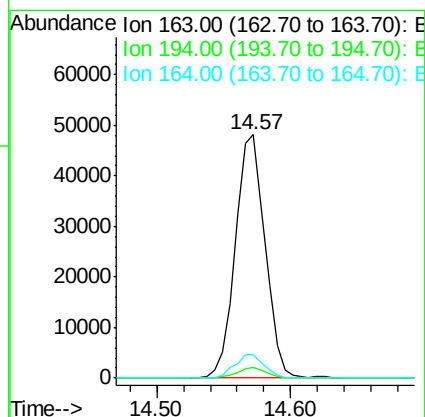
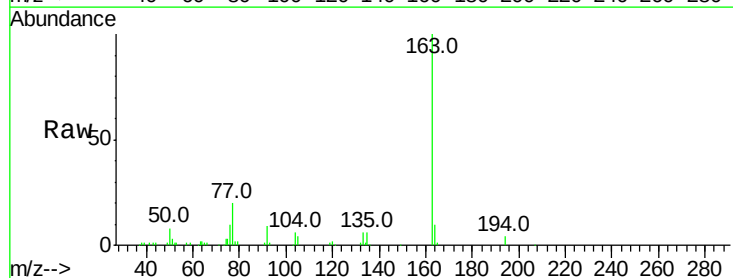
Instrument :  
BNA\_G  
ClientSampleId :  
SB-5(8-10)20170604

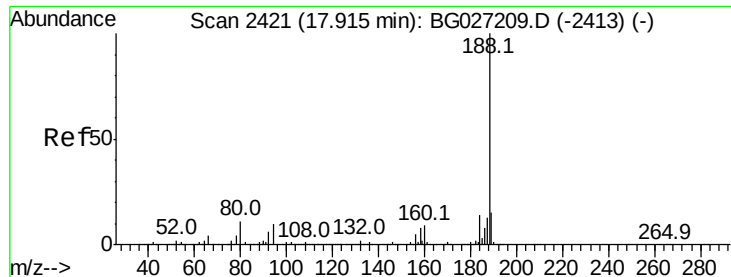
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 32.2  | 48.2  |
| 170     | 24.2  | 21.8  | 32.6  |



#49  
Dimethylphthalate  
Concen: 6.35 ng  
RT: 14.57 min Scan# 1852  
Delta R.T. -0.03 min  
Lab File: BG027298.D  
Acq: 8 Jun 2017 00:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 3.8   | 5.6   |
| 164     | 9.6   | 9.3   | 13.9  |

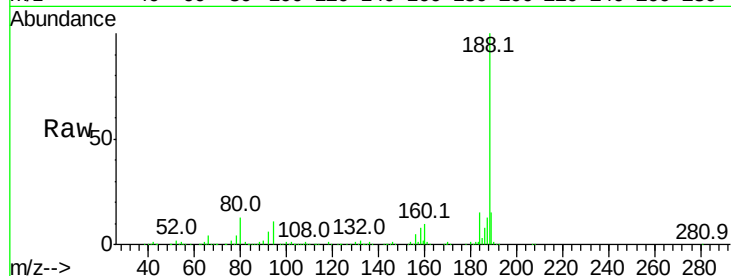




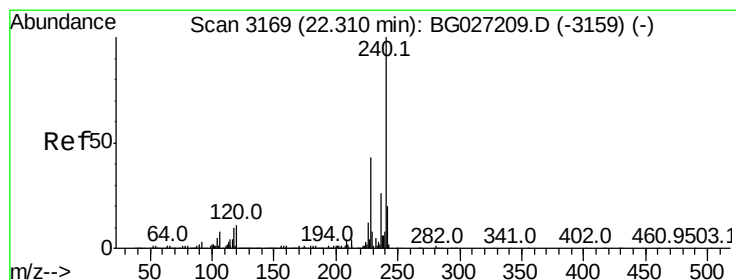
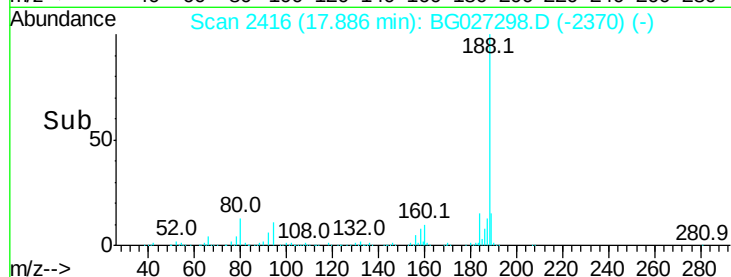
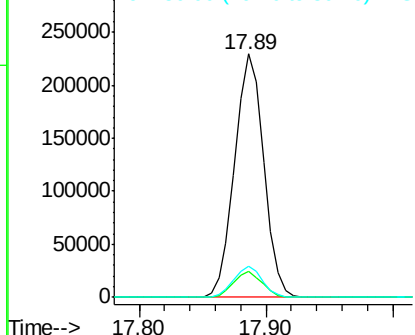
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.89 min Scan# 2416  
Delta R.T. -0.03 min  
Lab File: BG027298.D  
Acq: 8 Jun 2017 00:32

Instrument :  
BNA\_G  
ClientSampleId :  
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Tot Ion:188 Resp: 364928  
Ion Ratio Lower Upper  
188 100  
94 10.9 5.8 8.8#  
80 12.6 7.5 11.3#

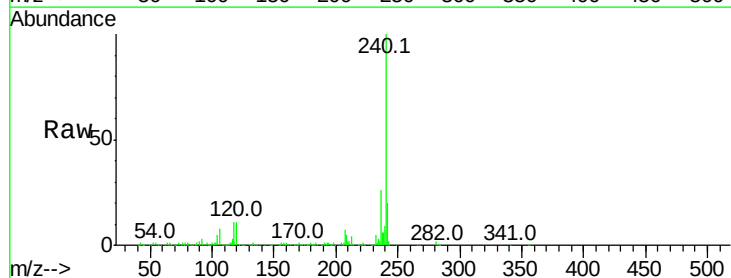


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

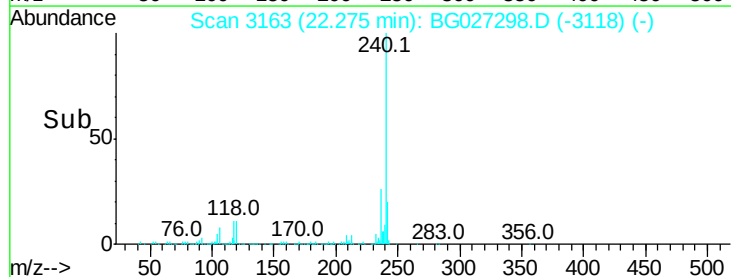
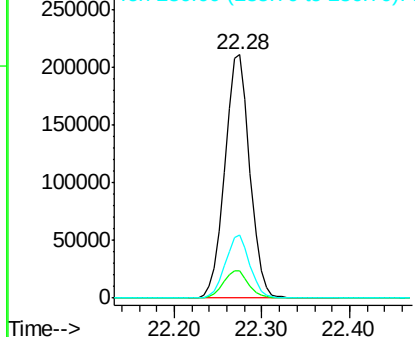


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.28 min Scan# 3163  
Delta R.T. -0.03 min  
Lab File: BG027298.D  
Acq: 8 Jun 2017 00:32

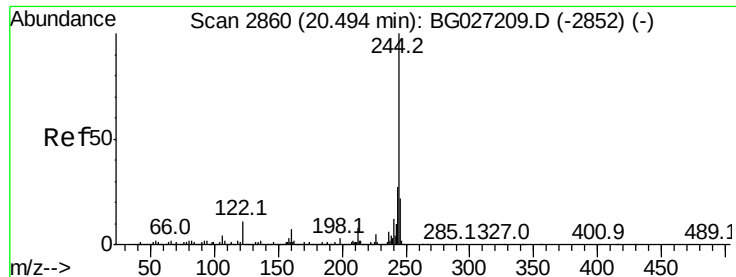
Tgt Ion:240 Resp: 412059  
Ion Ratio Lower Upper  
240 100  
120 11.2 5.7 8.5#  
236 26.0 22.2 33.4



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: 57.77 ng

RT: 20.47 min Scan# 2855

Delta R.T. -0.03 min

Lab File: BG027298.D

Acq: 8 Jun 2017 00:32

Instrument :

BNA\_G

ClientSampleId :

SB-5(8-10)20170604

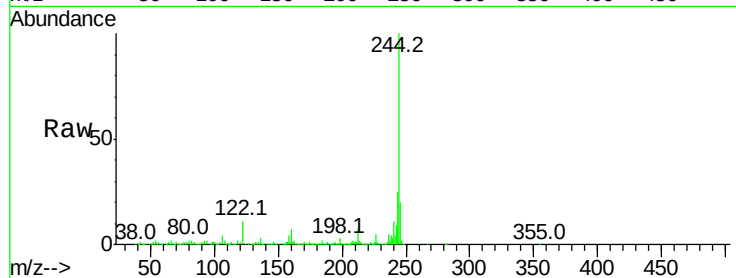
Tot Ion:244 Resp: 933172

Ion Ratio Lower Upper

244 100

212 7.4 10.0 15.0#

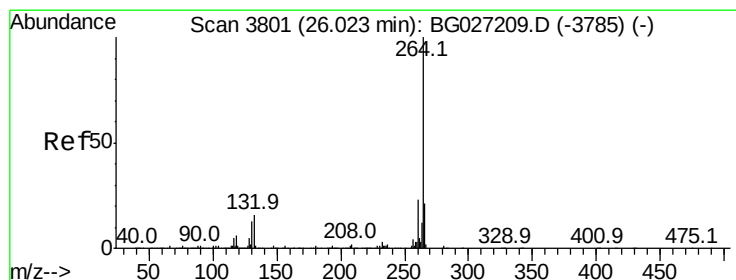
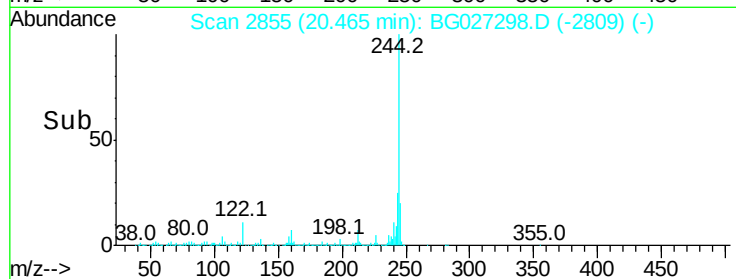
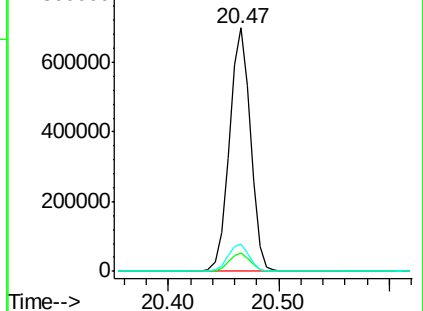
122 11.2 8.6 12.8



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: 20.00 ng

RT: 25.96 min Scan# 3790

Delta R.T. -0.06 min

Lab File: BG027298.D

Acq: 8 Jun 2017 00:32

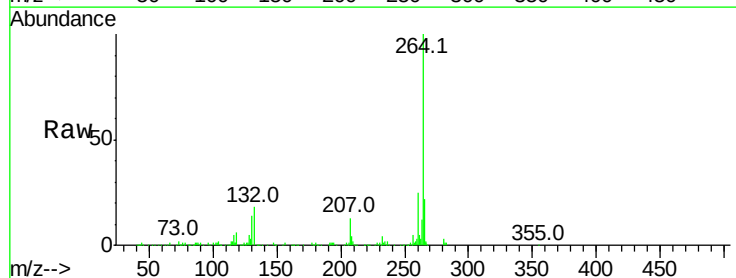
Tgt Ion:264 Resp: 379070

Ion Ratio Lower Upper

264 100

260 25.1 21.8 32.8

265 22.4 18.2 27.4



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

