

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091817\  
 Data File : BG028795.D  
 Acq On : 18 Sep 2017 15:02  
 Operator : SJ/JU  
 Sample : I5251-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 19 01:08:45 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

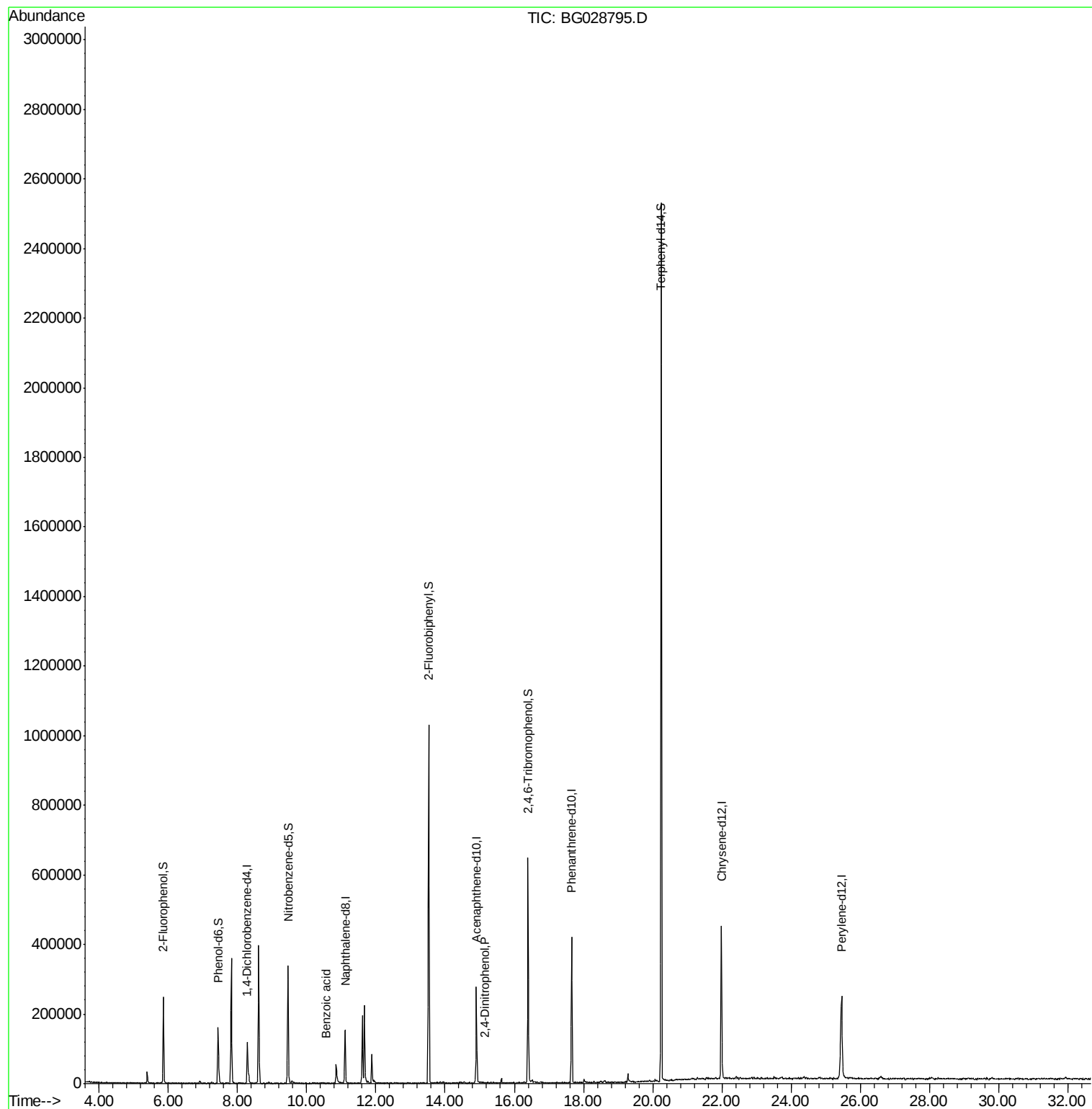
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.28  | 152  | 33576    | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8          | 11.11 | 136  | 135327   | 20.00 | ng    | -0.04    |
| 38) Acenaphthene-d10        | 14.91 | 164  | 98732    | 20.00 | ng    | -0.04    |
| 63) Phenanthrene-d10        | 17.66 | 188  | 276613   | 20.00 | ng    | -0.04    |
| 75) Chrysene-d12            | 21.98 | 240  | 315423   | 20.00 | ng    | -0.05    |
| 86) Perylene-d12            | 25.45 | 264  | 325064   | 20.00 | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.86  | 112  | 107502   | 52.83 | ng    | -0.04    |
| 7) Phenol-d6                | 7.44  | 99   | 99718    | 32.55 | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 215912   | 76.32 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 139130   | 85.20 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 563650   | 76.12 | ng    | -0.04    |
| 78) Terphenyl-d14           | 20.25 | 244  | 1170859  | 79.16 | ng    | -0.03    |
| Target Compounds            |       |      |          |       |       |          |
| 32) Benzoic acid            | 10.55 | 122  | 67       | 6.12  | ng    | # 1      |
| 53) 2,4-Dinitrophenol       | 15.15 | 184  | 56       | 8.05  | ng    | # 15     |

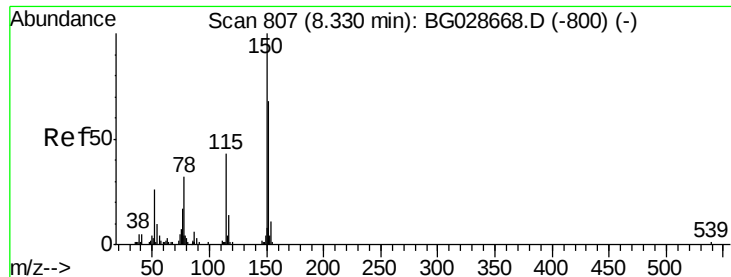
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Sep 19 01:08:45 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 12 16:57:11 2017  
Response via : Initial Calibration



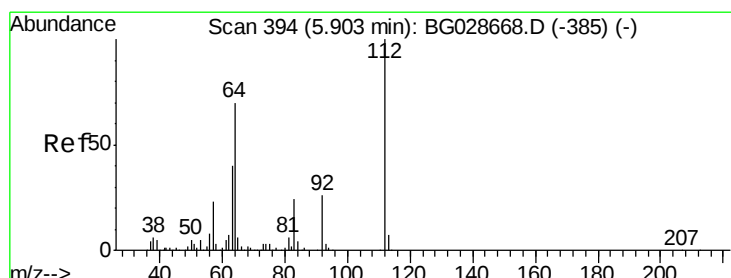
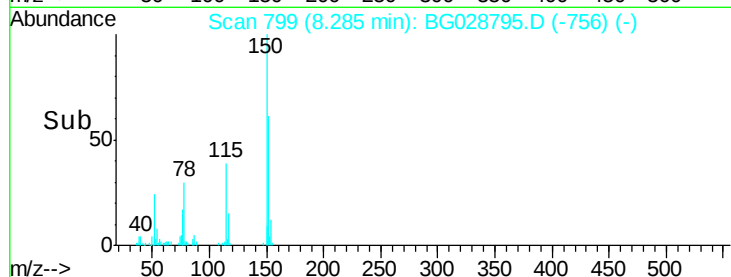
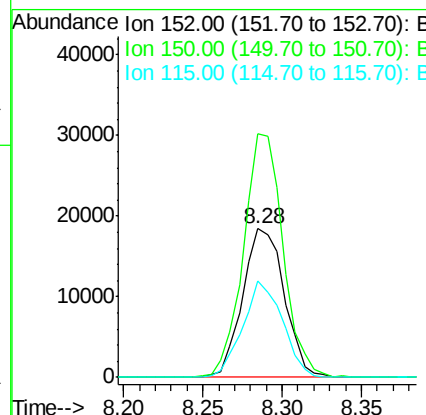
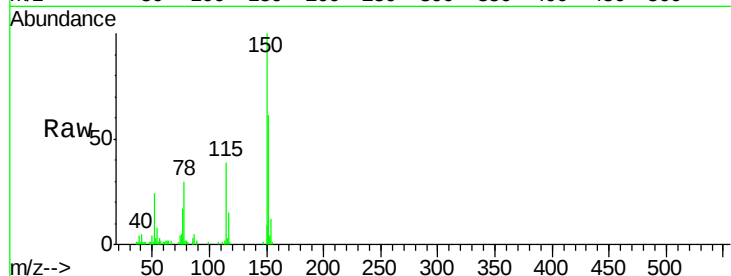


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.28 min Scan# 799  
Delta R.T. -0.05 min  
Lab File: BG028795.D  
Acq: 18 Sep 2017 15:02

Instrument :  
BNA\_G  
ClientSampleId :

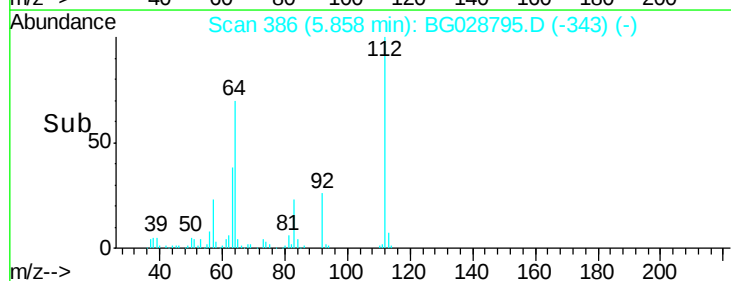
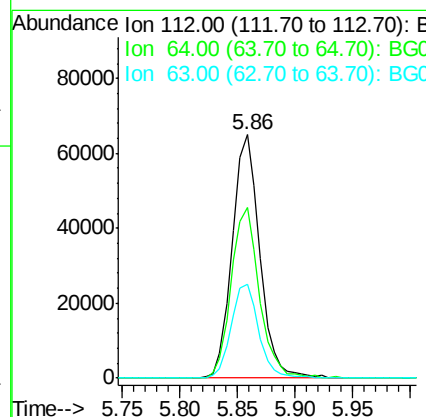
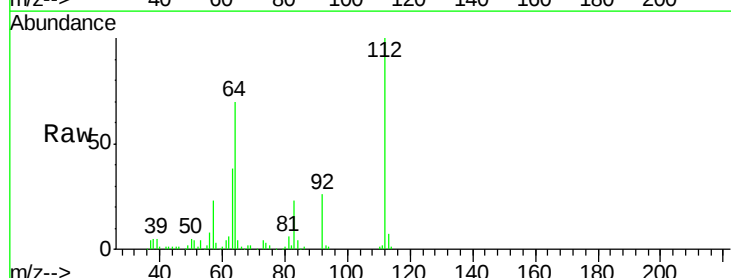
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 164.1 | 114.0 | 171.0 |
| 115     | 64.6  | 48.1  | 72.1  |

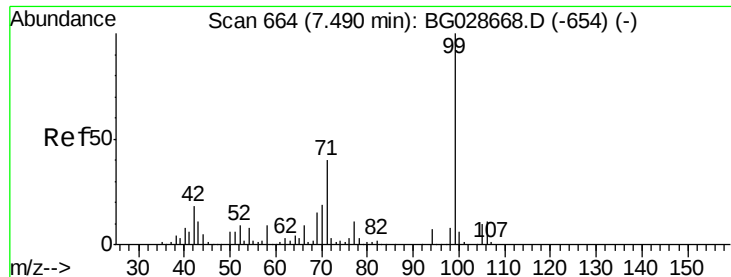


#5

2-Fluorophenol  
Concen: 52.83 ng  
RT: 5.86 min Scan# 386  
Delta R.T. -0.04 min  
Lab File: BG028795.D  
Acq: 18 Sep 2017 15:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.2  | 61.8  | 92.6  |
| 63      | 38.5  | 37.2  | 55.8  |





#7

Phenol-d6

Concen: 32.55 ng

RT: 7.44 min Scan# 655

Delta R.T. -0.05 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

Instrument :

BNA\_G

ClientSampleId :

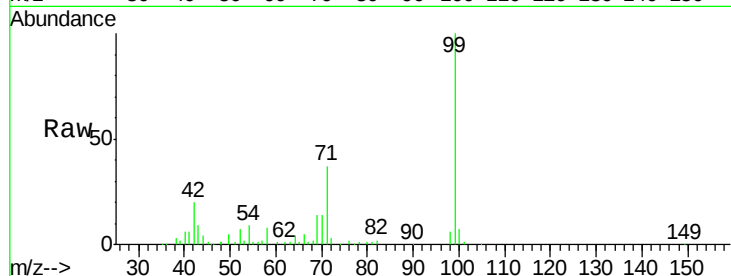
Tot Ion: 99 Resp: 99718

Ion Ratio Lower Upper

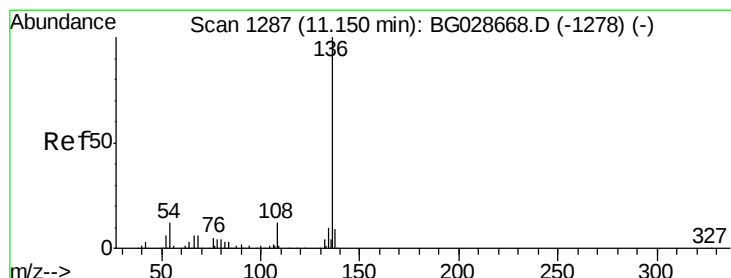
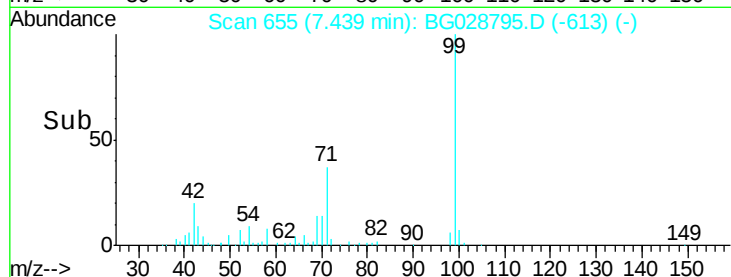
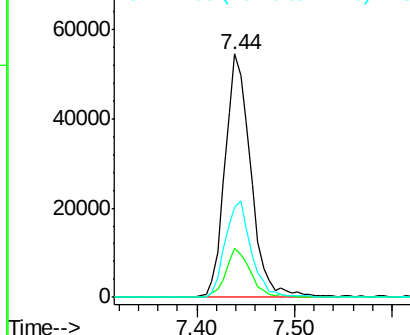
99 100

42 20.3 20.5 30.7#

71 36.8 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.11 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

Tgt Ion: 136 Resp: 135327

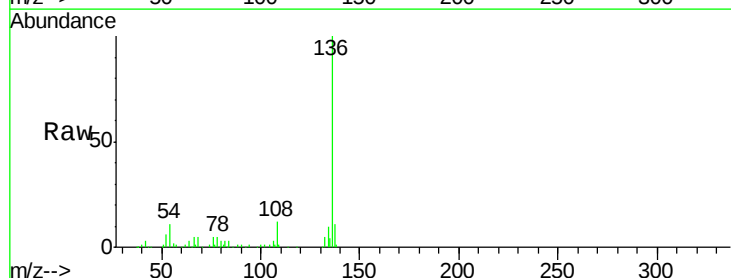
Ion Ratio Lower Upper

136 100

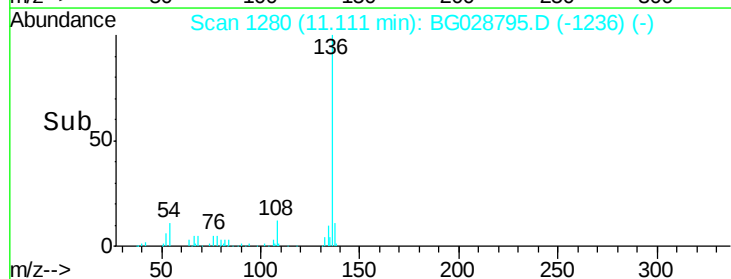
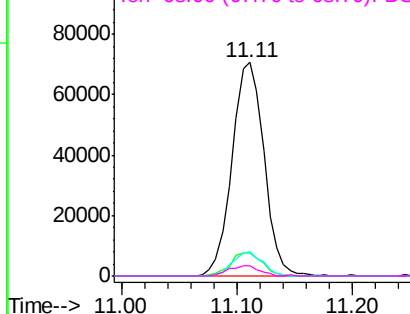
137 10.6 8.9 13.3

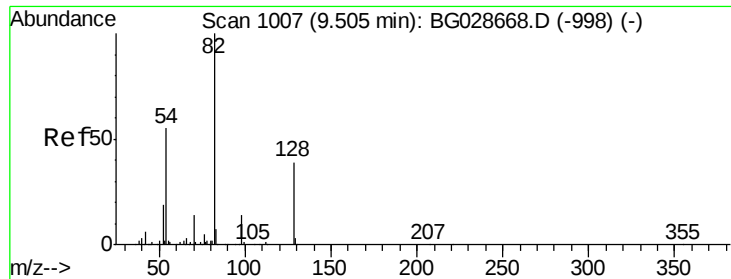
54 11.5 9.3 13.9

68 4.7 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

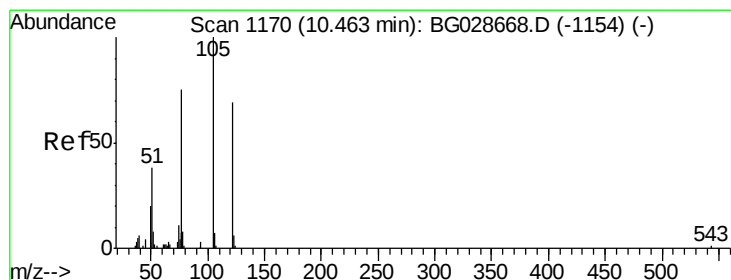
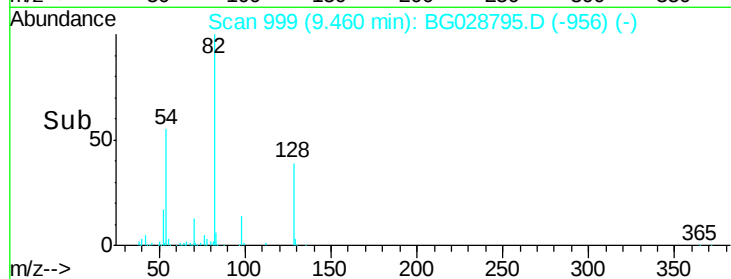
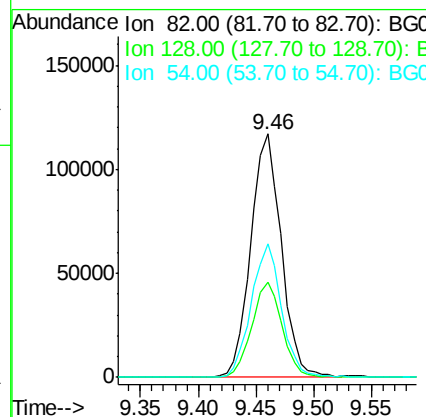
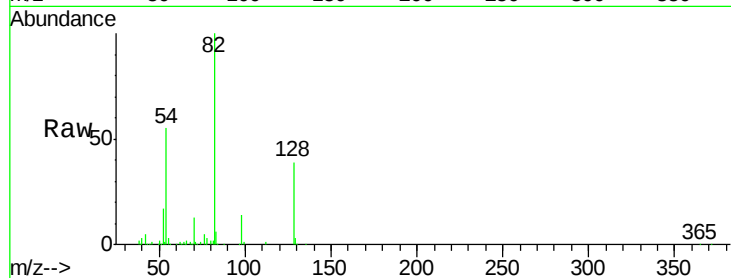




#23  
 Nitrobenzene-d5  
 Concen: 76.32 ng  
 RT: 9.46 min Scan# 999  
 Delta R.T. -0.05 min  
 Lab File: BG028795.D  
 Acq: 18 Sep 2017 15:02

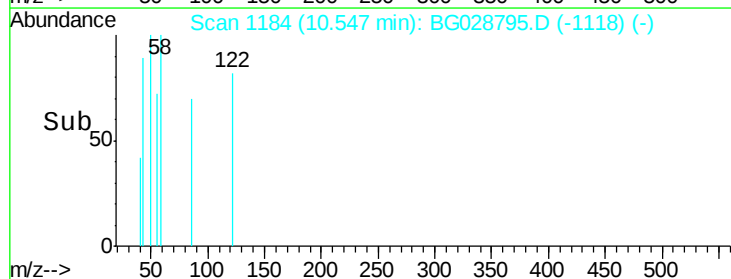
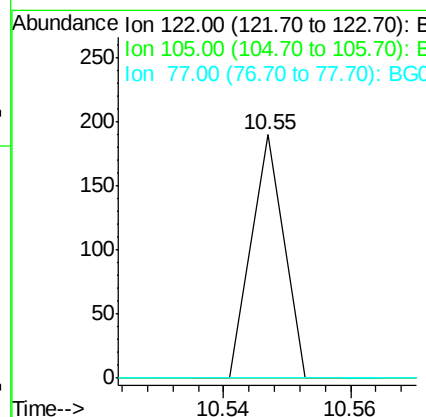
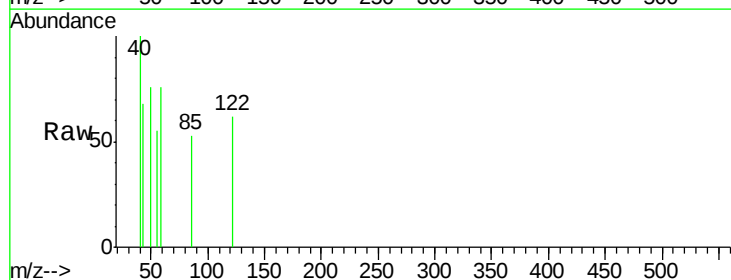
Instrument :  
 BNA\_G  
 ClientSampleId :

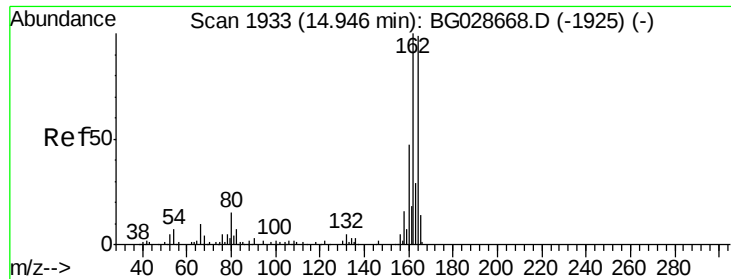
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 38.8  | 26.4  | 39.6  |
| 54      | 54.7  | 49.4  | 74.2  |



#32  
 Benzoic acid  
 Concen: 6.12 ng  
 RT: 10.55 min Scan# 1184  
 Delta R.T. 0.08 min  
 Lab File: BG028795.D  
 Acq: 18 Sep 2017 15:02

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 0.0   | 120.1 | 160.1# |
| 77      | 0.0   | 104.6 | 144.6# |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.91 min Scan# 1926

Delta R.T. -0.04 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

Instrument :

BNA\_G

ClientSampleId :

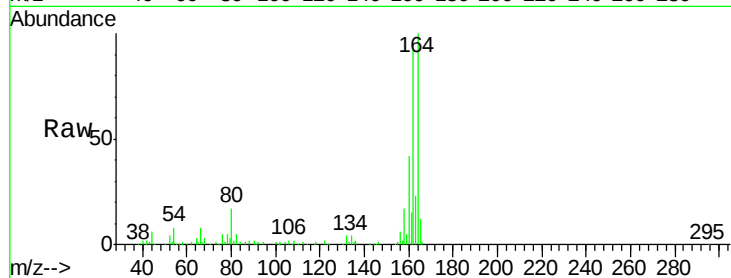
Tot Ion:164 Resp: 98732

Ion Ratio Lower Upper

164 100

162 91.9 85.1 127.7

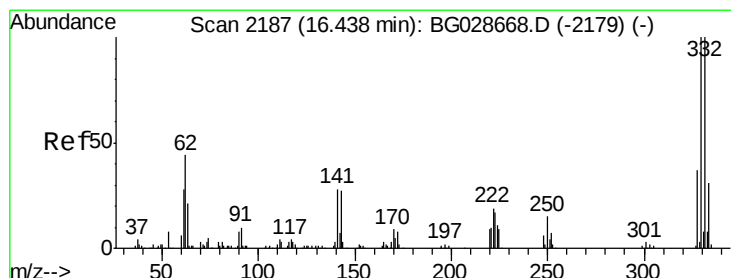
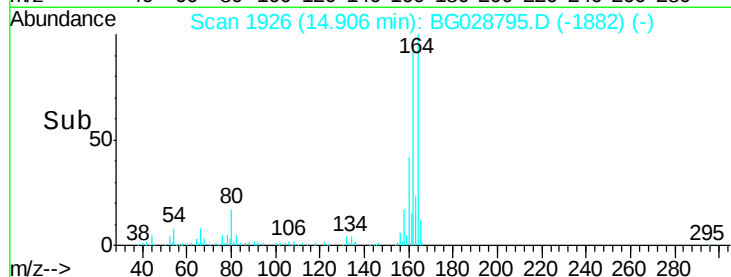
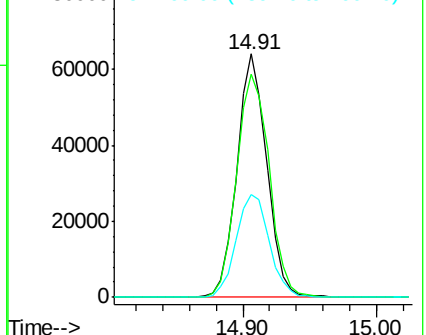
160 42.3 34.7 52.1



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: 85.20 ng

RT: 16.40 min Scan# 2180

Delta R.T. -0.04 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

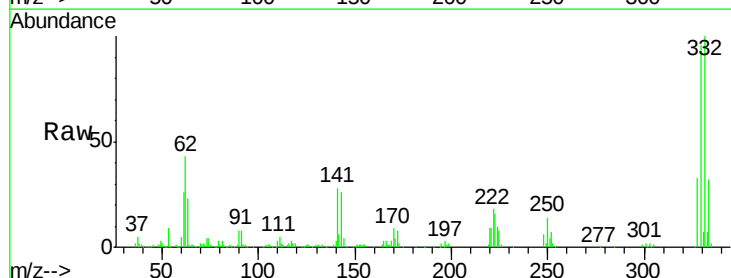
Tgt Ion:330 Resp: 139130

Ion Ratio Lower Upper

330 100

332 99.8 77.3 115.9

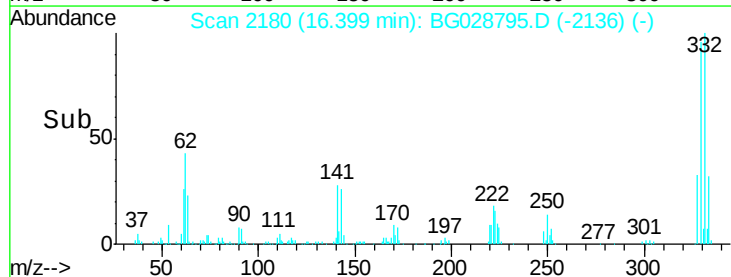
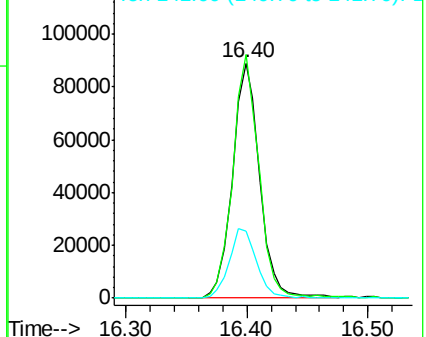
141 29.9 32.1 48.1#

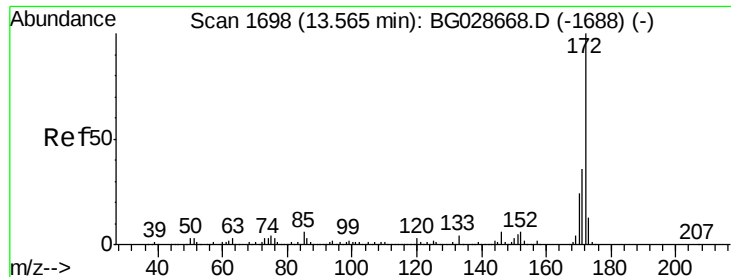


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

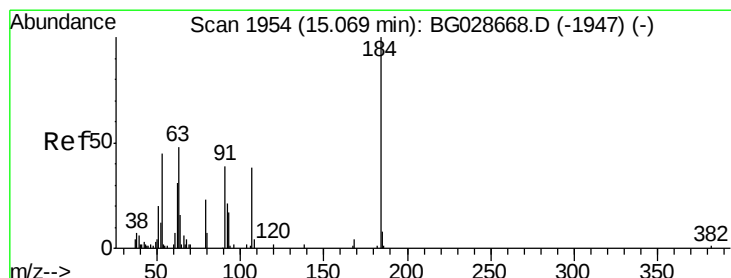
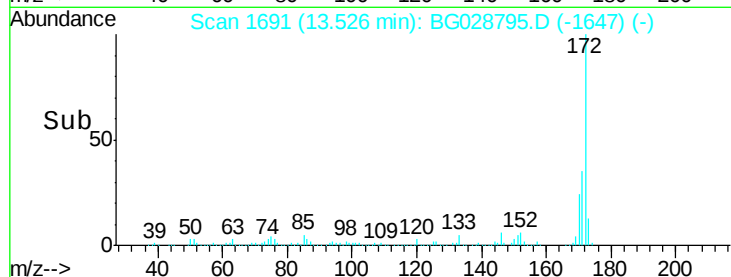
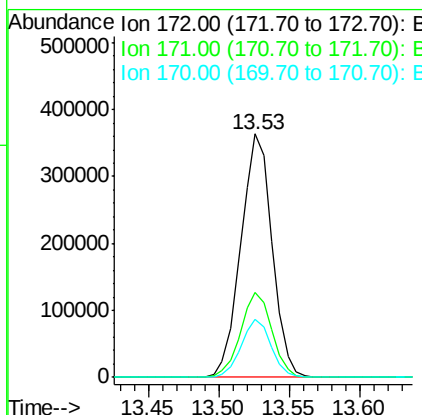
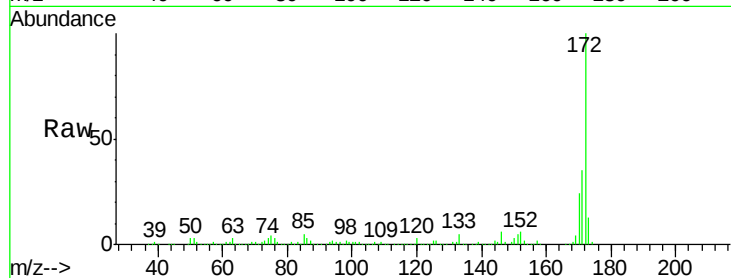




#44  
2-Fluorobiphenyl  
Concen: 76.12 ng  
RT: 13.53 min Scan# 1691  
Delta R.T. -0.04 min  
Lab File: BG028795.D  
Acq: 18 Sep 2017 15:02

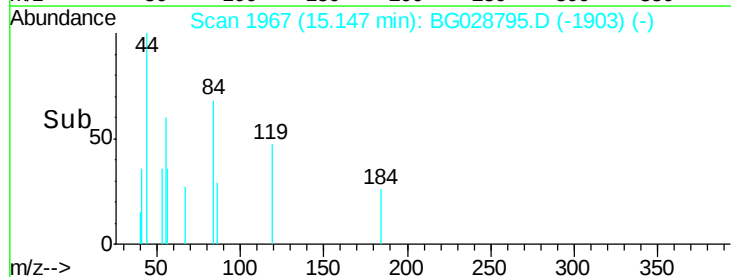
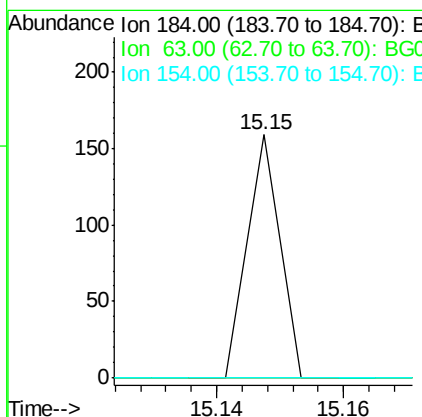
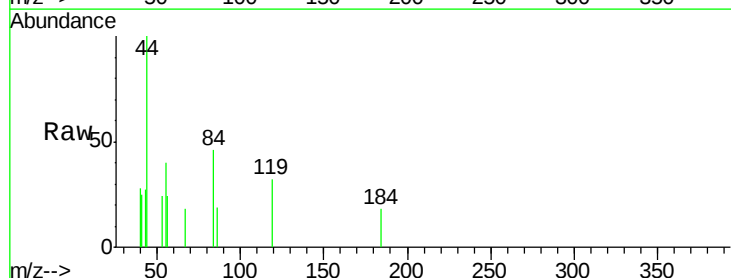
Instrument :  
BNA\_G  
ClientSampleId :

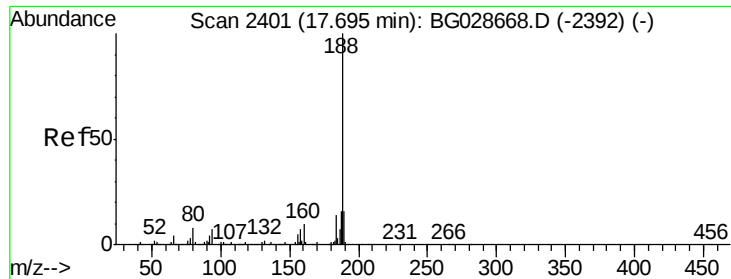
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 32.2  | 48.2  |
| 170     | 23.9  | 21.8  | 32.6  |



#53  
2,4-Dinitrophenol  
Concen: 8.05 ng  
RT: 15.15 min Scan# 1967  
Delta R.T. 0.08 min  
Lab File: BG028795.D  
Acq: 18 Sep 2017 15:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 0.0   | 52.7  | 79.1# |
| 154     | 0.0   | 57.3  | 85.9# |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.66 min Scan# 2394

Delta R.T. -0.04 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

Instrument :

BNA\_G

ClientSampleId :

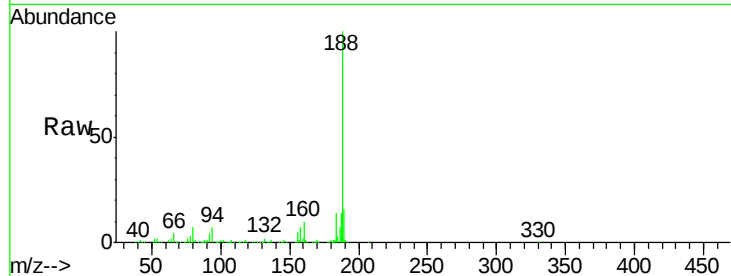
Tot Ion:188 Resp: 276613

Ion Ratio Lower Upper

188 100

94 6.7 5.8 8.8

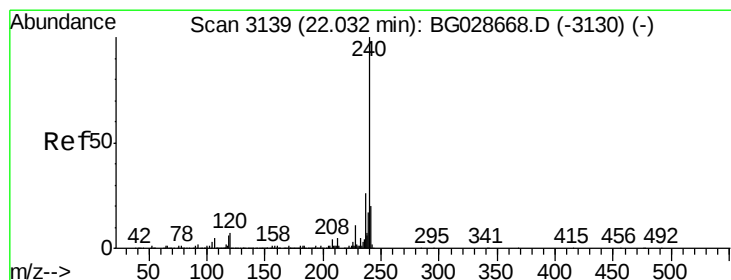
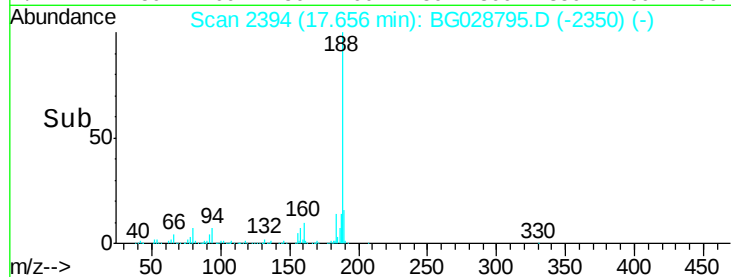
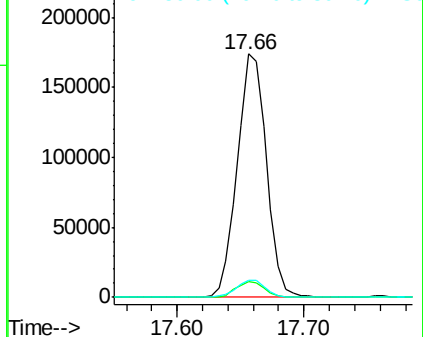
80 7.0 7.5 11.3#



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: 21.98 min Scan# 3130

Delta R.T. -0.05 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

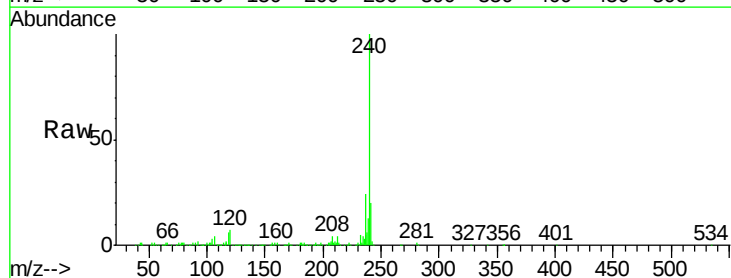
Tgt Ion:240 Resp: 315423

Ion Ratio Lower Upper

240 100

120 6.6 5.7 8.5

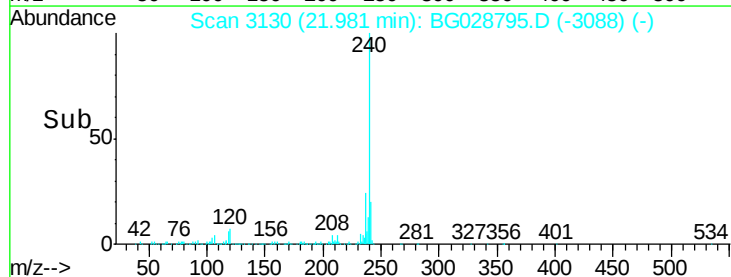
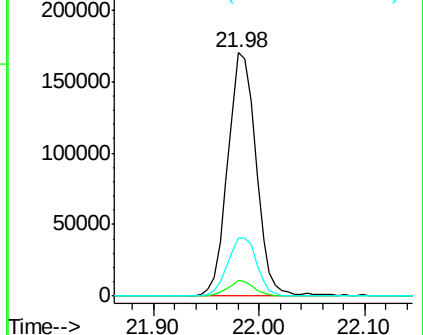
236 23.8 22.2 33.4

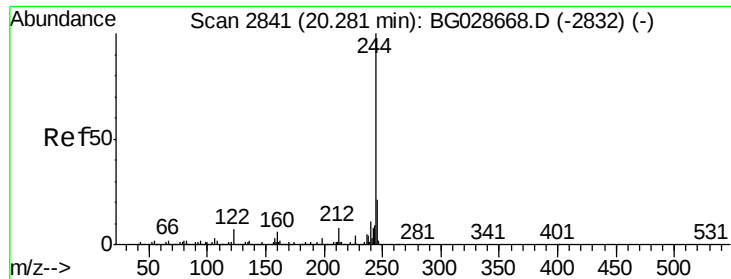


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 79.16 ng

RT: 20.25 min Scan# 2835

Delta R.T. -0.03 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

Instrument :

BNA\_G

ClientSampled :

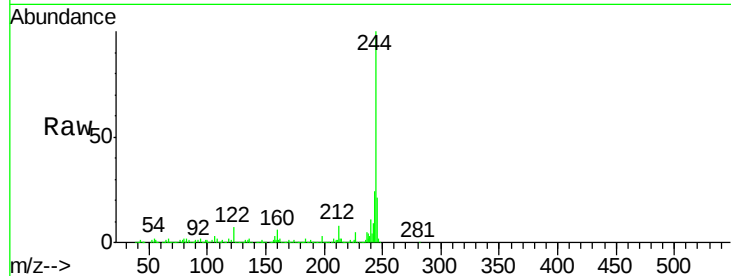
Tot Ion:244 Resp: 1170859

Ion Ratio Lower Upper

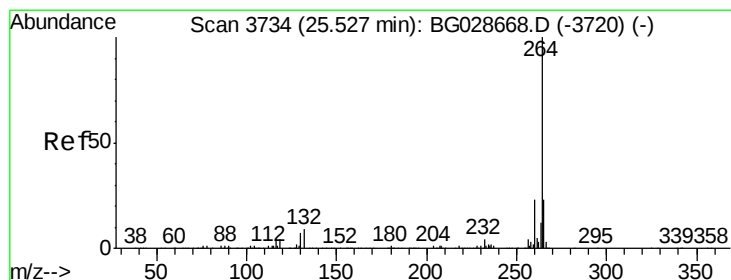
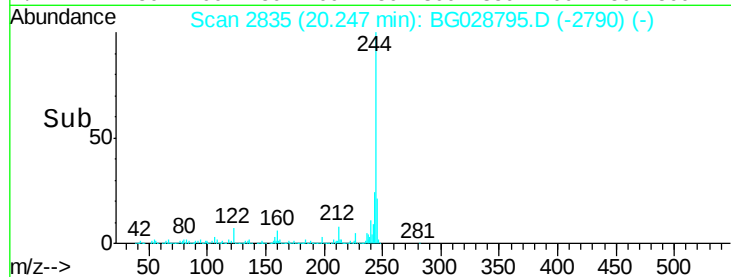
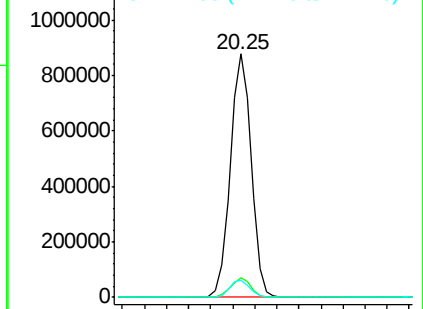
244 100

212 8.0 10.0 15.0#

122 6.9 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: 25.45 min Scan# 3721

Delta R.T. -0.07 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

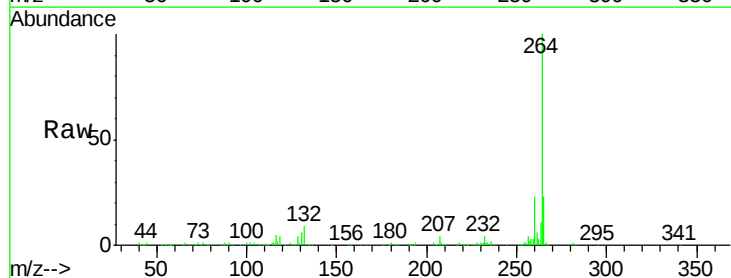
Tgt Ion:264 Resp: 325064

Ion Ratio Lower Upper

264 100

260 23.5 21.8 32.8

265 22.6 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

