

Data File : BG030615.D  
Acq On : 31 Oct 2017 16:50  
Operator : SJ/JU  
Sample : I6133-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SW-02(18-20)

Quant Time: Nov 01 06:28:17 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   | 8.16  | 152  | 70406    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.97 | 136  | 337817   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.77 | 164  | 227273   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.51 | 188  | 501682   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 21.79 | 240  | 540978   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 25.10 | 264  | 538710   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 307218   | 72.89 | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 451772   | 76.37 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 260460   | 49.00 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.26 | 330  | 219392   | 74.77 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.40 | 172  | 794497   | 51.27 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.10 | 244  | 1210076  | 50.89 | ng    | -0.02    |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 7.34  | 94   | 18726    | 2.94  | ng    | 96       |
| 49) Dimethylphthalate       | 14.22 | 163  | 120006   | 6.77  | ng    | 98       |

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

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SW-02(18-20)

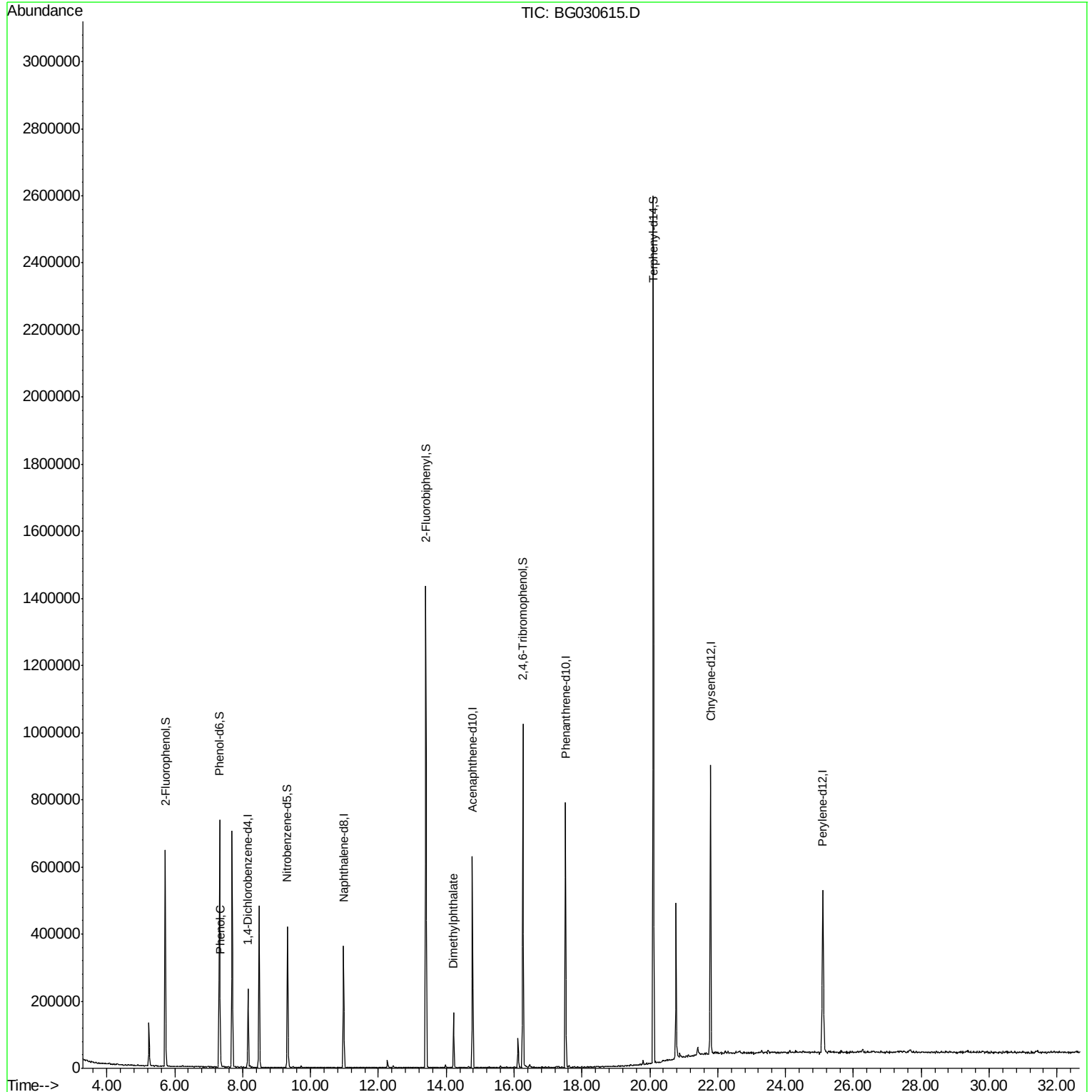
Quant Time: Nov 01 06:28:17 2017

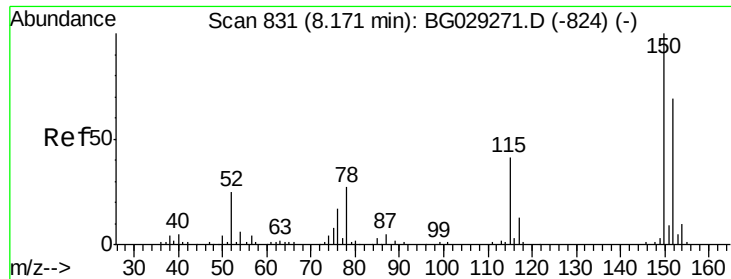
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG101617.M

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QLast Update : Mon Oct 16 17:32:15 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 829

Delta R.T. -0.01 min

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Instrument :

BNA\_G

ClientSampleId :

SW-02(18-20)

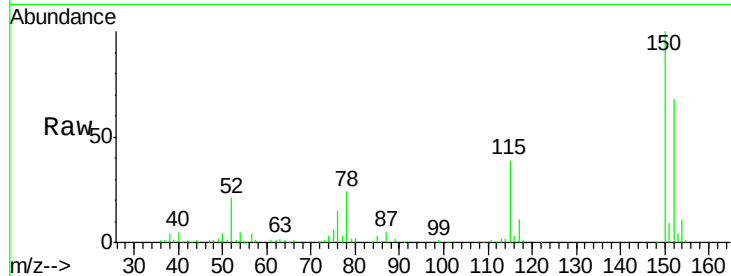
Tgt Ion:152 Resp: 70406

Ion Ratio Lower Upper

152 100

150 147.7 126.6 189.8

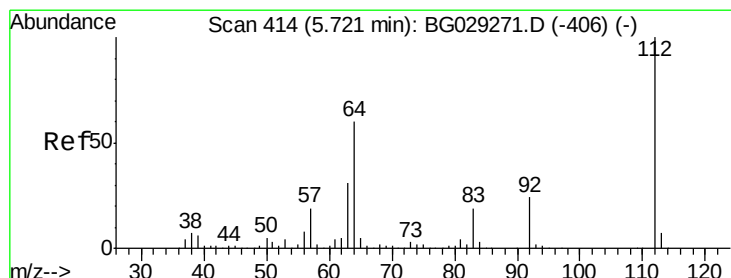
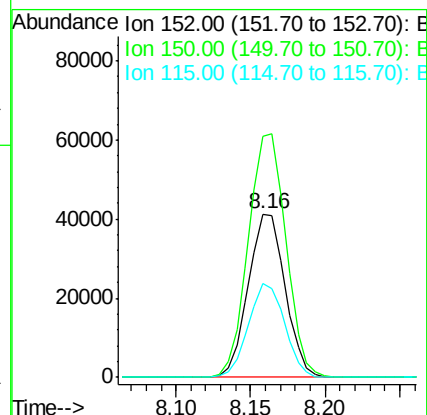
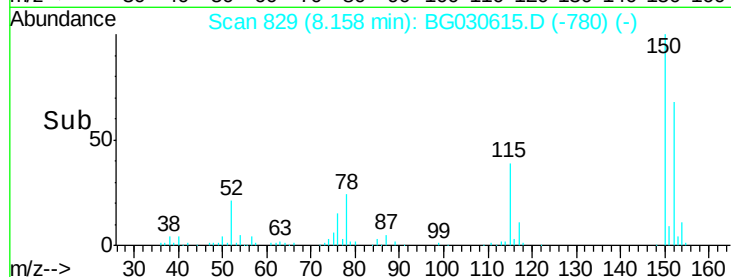
115 57.9 53.0 79.4



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: 72.89 ng

RT: 5.72 min Scan# 414

Delta R.T. -0.00 min

Lab File: BG030615.D

Acq: 31 Oct 2017 16:50

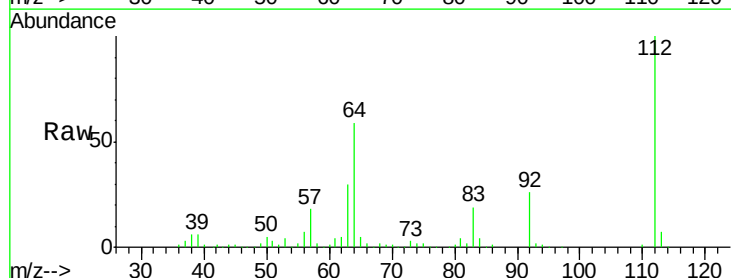
Tgt Ion:112 Resp: 307218

Ion Ratio Lower Upper

112 100

64 59.3 56.3 84.5

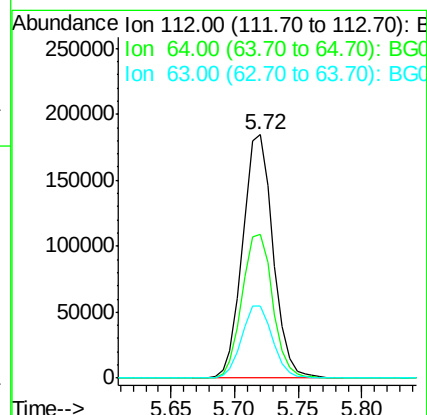
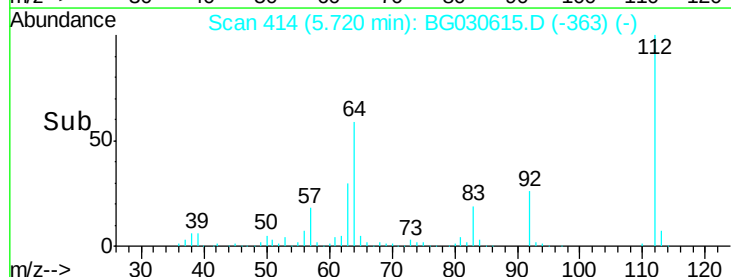
63 29.9 30.1 45.1#

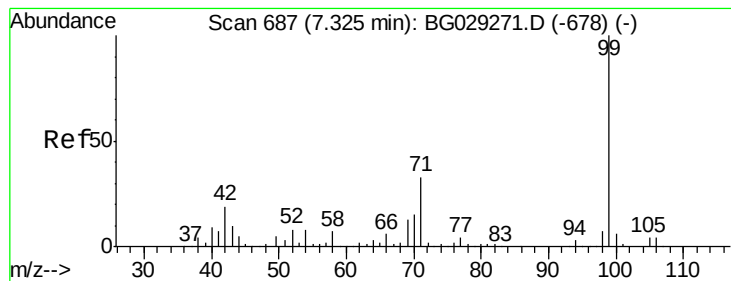


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 76.37 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG030615.D

Acq: 31 Oct 2017 16:50

Instrument :

BNA\_G

ClientSampleId :

SW-02(18-20)

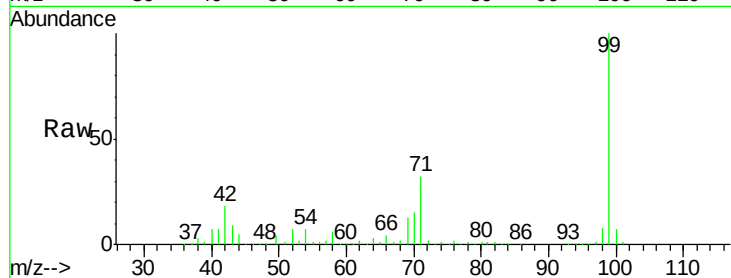
Tgt Ion: 99 Resp: 451772

Ion Ratio Lower Upper

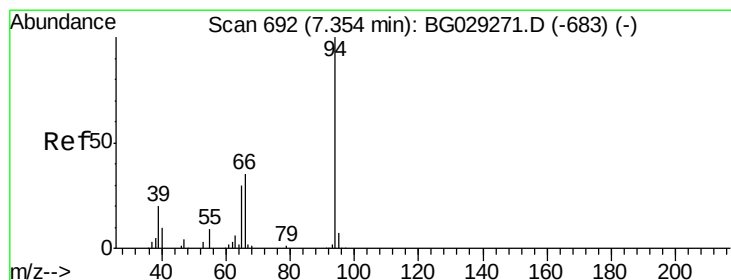
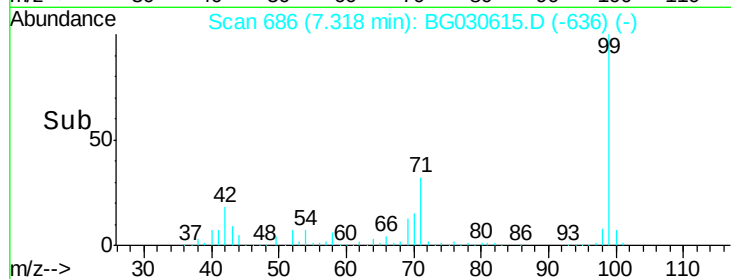
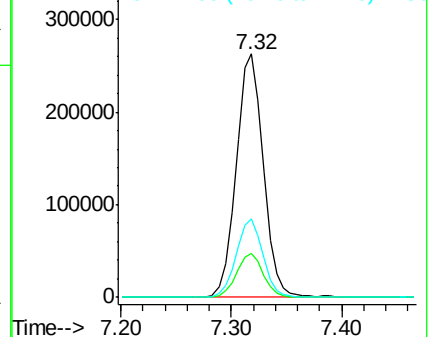
99 100

42 18.2 14.1 21.1

71 32.4 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: 2.94 ng

RT: 7.34 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG030615.D

Acq: 31 Oct 2017 16:50

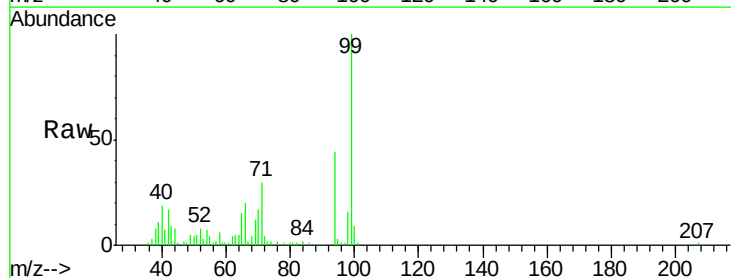
Tgt Ion: 94 Resp: 18726

Ion Ratio Lower Upper

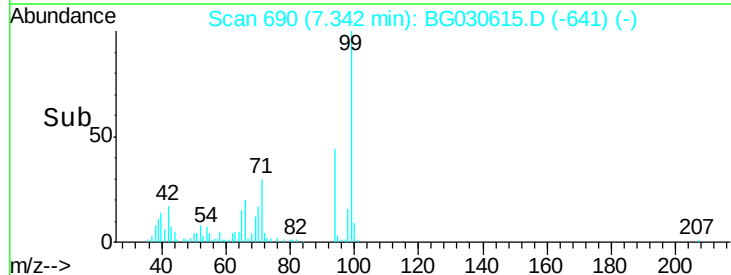
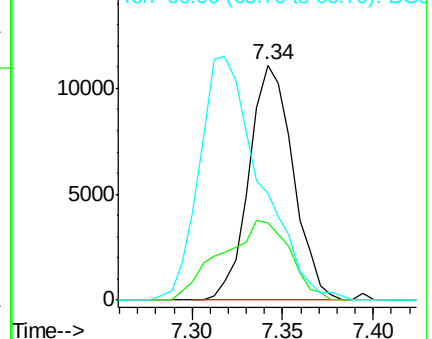
94 100

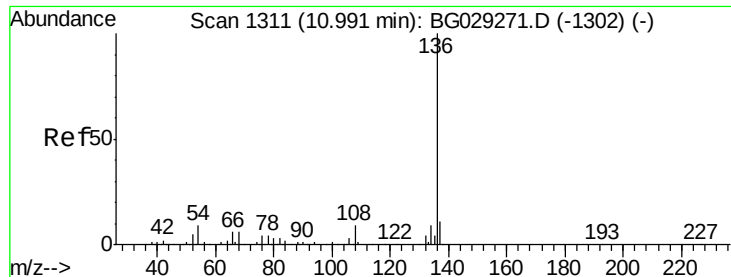
65 32.9 11.9 51.9

66 45.3 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

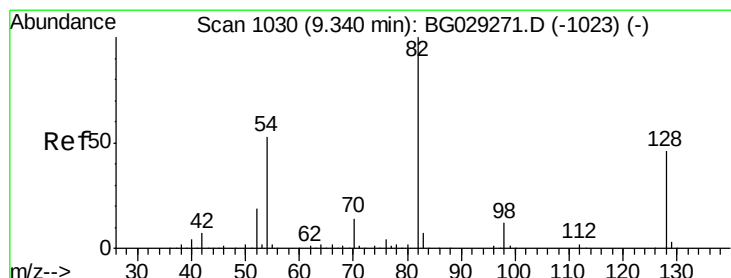
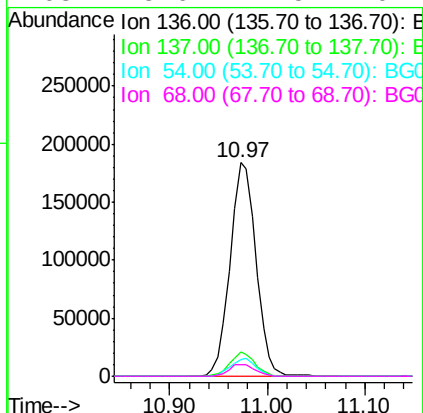
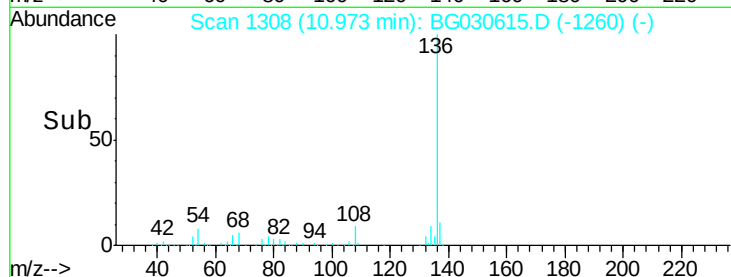
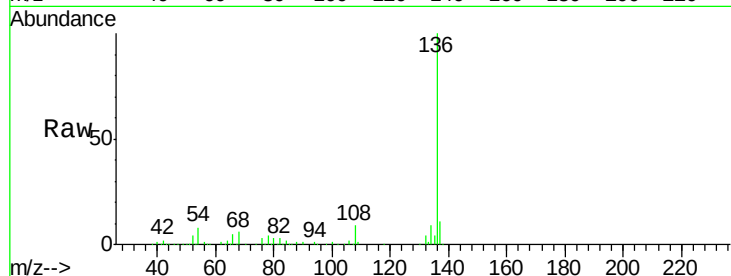




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.97 min Scan# 1308  
Delta R.T. -0.02 min  
Lab File: BG030615.D  
Acq: 31 Oct 2017 16:50

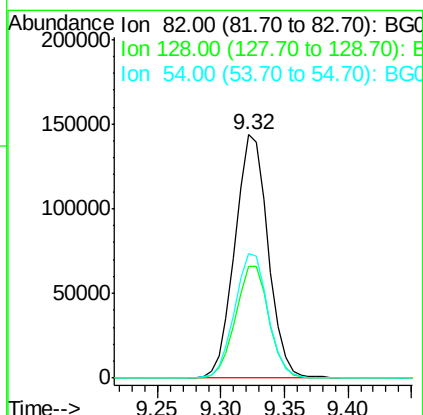
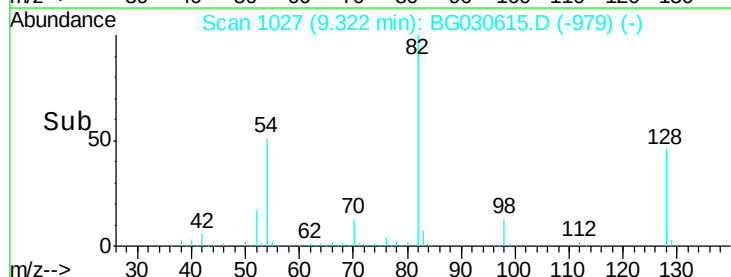
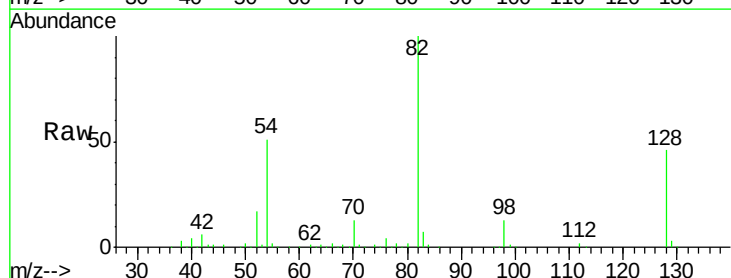
Instrument :  
BNA\_G  
ClientSampleId :  
SW-02(18-20)

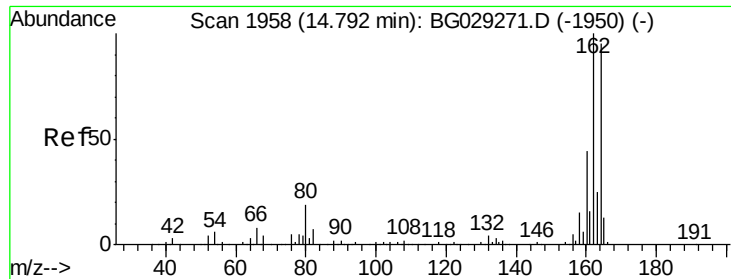
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 337817 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.2   | 13.8   |
| 54       | 8.1   | 10.3  | 15.5#  |
| 68       | 5.6   | 4.5   | 6.7    |



#23  
Nitrobenzene-d5  
Concen: 49.00 ng  
RT: 9.32 min Scan# 1027  
Delta R.T. -0.02 min  
Lab File: BG030615.D  
Acq: 31 Oct 2017 16:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 260460 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 46.0  | 29.7  | 44.5#  |
| 54       | 50.9  | 43.1  | 64.7   |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.77 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG030615.D

Acq: 31 Oct 2017 16:50

Instrument :

BNA\_G

ClientSampleId :

SW-02(18-20)

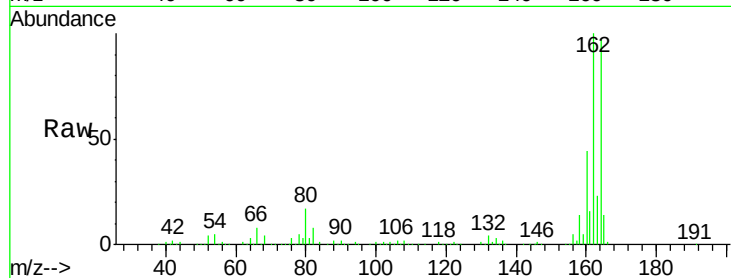
Tgt Ion:164 Resp: 227273

Ion Ratio Lower Upper

164 100

162 103.2 78.8 118.2

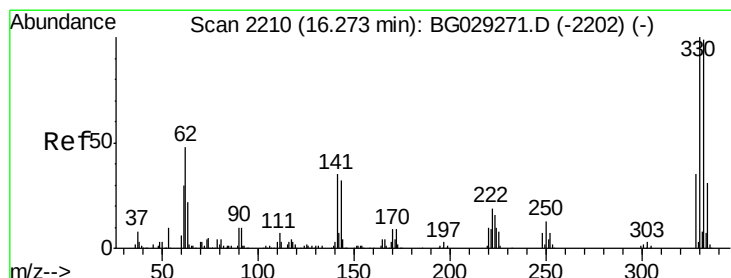
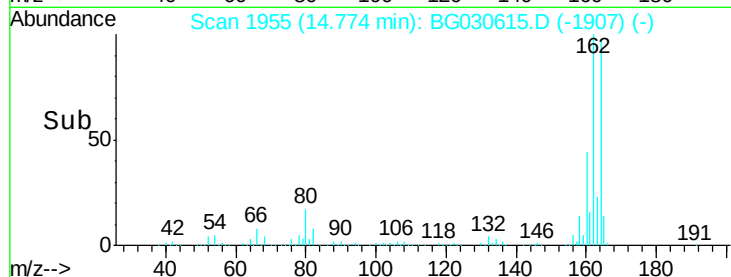
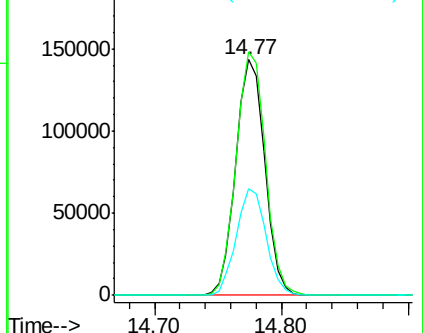
160 45.0 35.4 53.0



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: 74.77 ng

RT: 16.26 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG030615.D

Acq: 31 Oct 2017 16:50

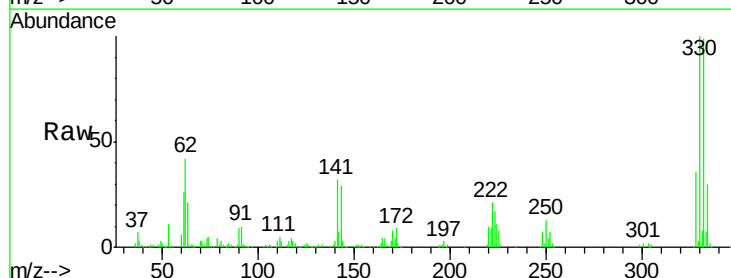
Tgt Ion:330 Resp: 219392

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

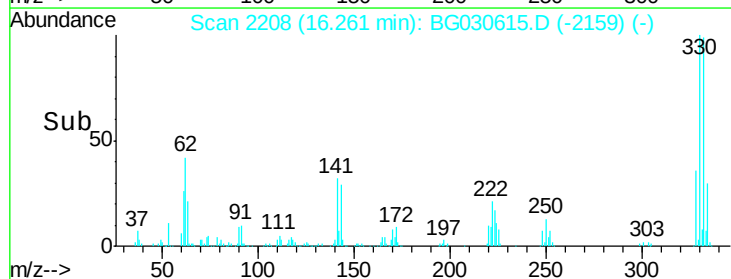
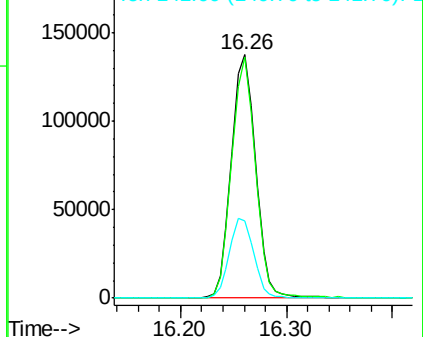
141 32.7 25.2 37.8

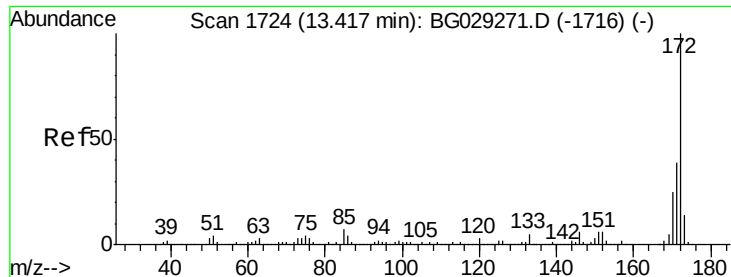


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

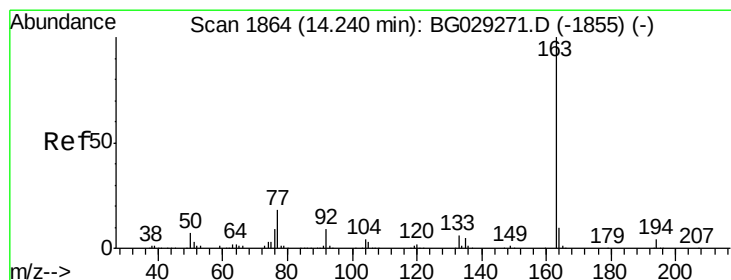
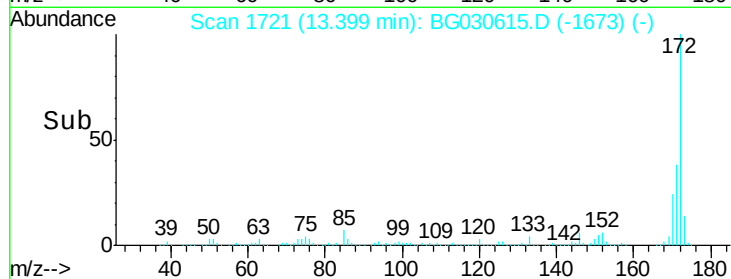
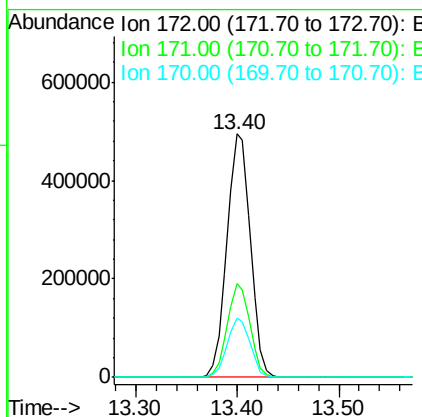
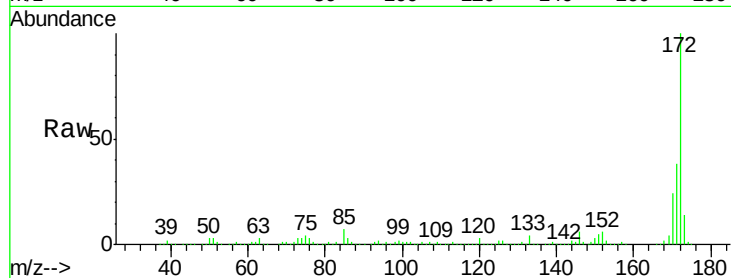




#44  
 2-Fluorobiphenyl  
 Concen: 51.27 ng  
 RT: 13.40 min Scan# 1721  
 Delta R.T. -0.02 min  
 Lab File: BG030615.D  
 Acq: 31 Oct 2017 16:50

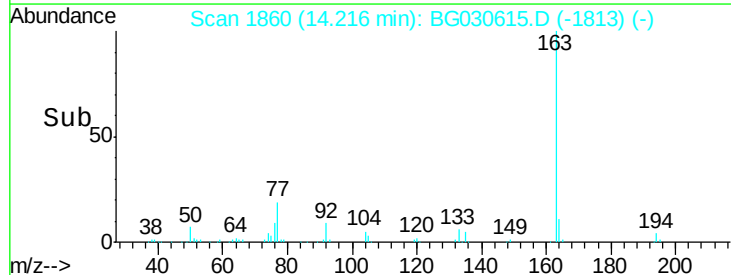
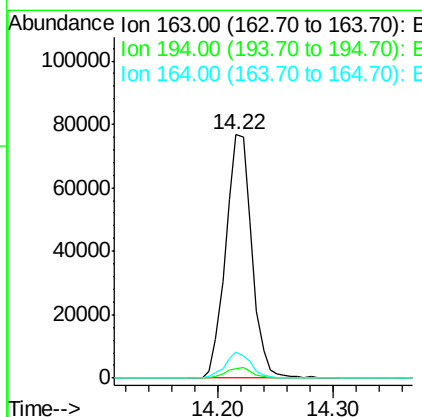
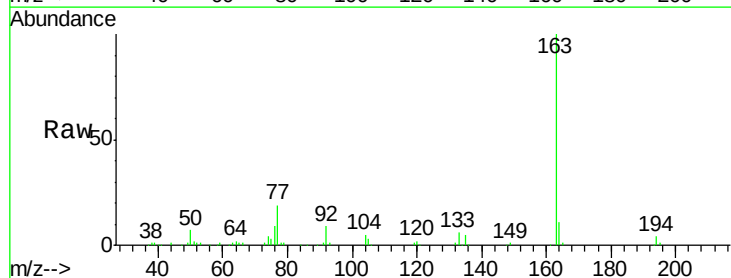
Instrument :  
 BNA\_G  
 ClientSampleId :  
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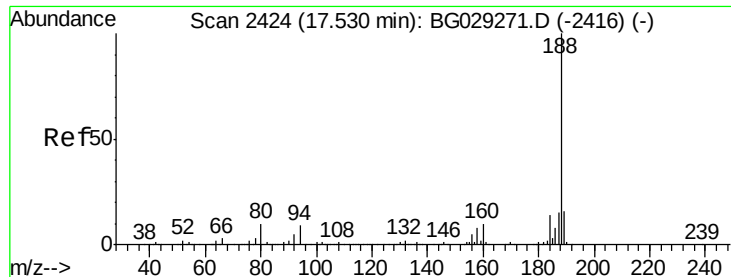
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 30.0  | 45.0  |
| 170     | 24.4  | 19.5  | 29.3  |



#49  
 Dimethylphthalate  
 Concen: 6.77 ng  
 RT: 14.22 min Scan# 1860  
 Delta R.T. -0.02 min  
 Lab File: BG030615.D  
 Acq: 31 Oct 2017 16:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 3.4   | 5.2   |
| 164     | 10.9  | 8.2   | 12.4  |

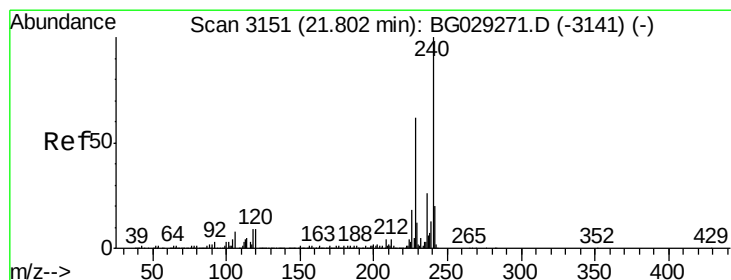
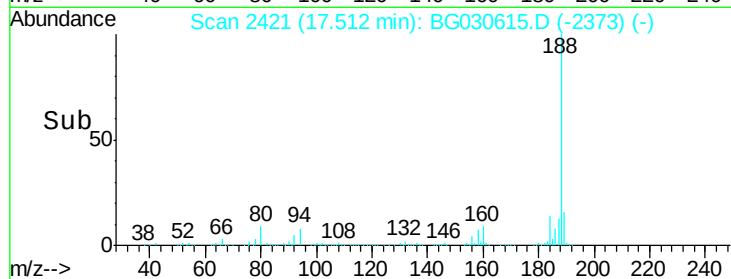
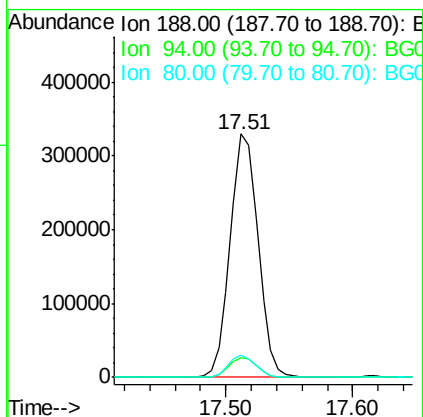
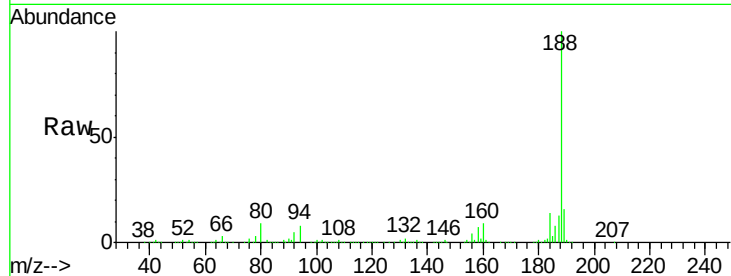




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.51 min Scan# 2421  
Delta R.T. -0.02 min  
Lab File: BG030615.D  
Acq: 31 Oct 2017 16:50

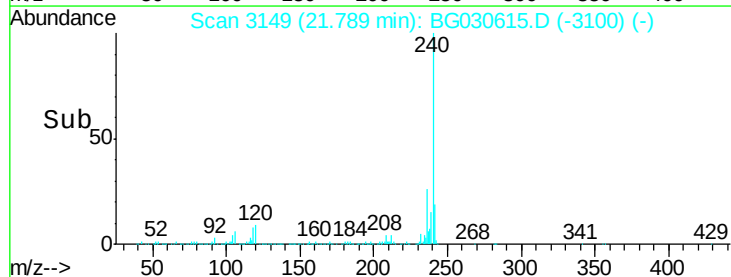
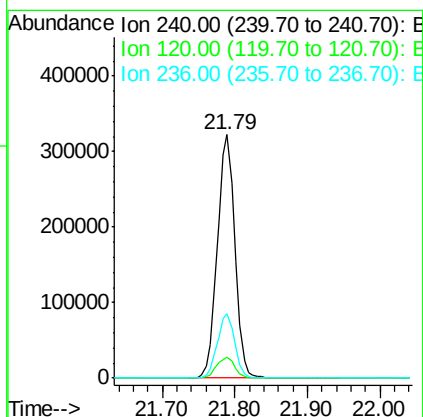
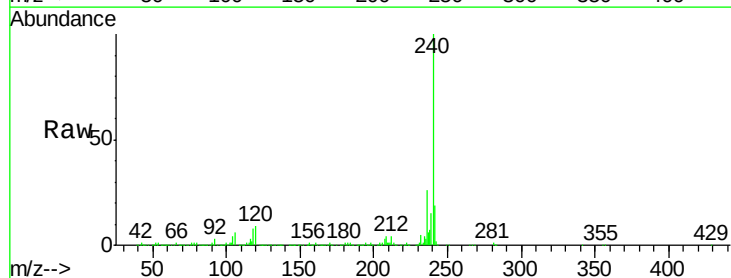
Instrument :  
BNA\_G  
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Tgt Ion:188 Resp: 501682  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.9 10.3  
80 9.1 7.7 11.5

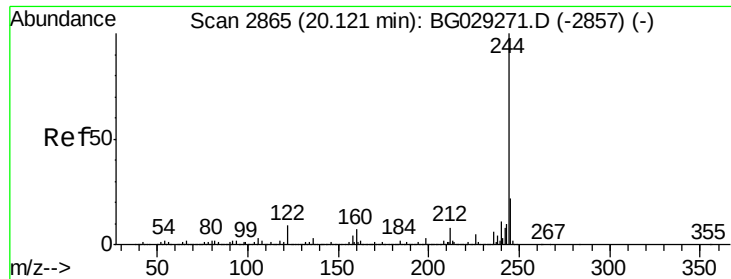


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.79 min Scan# 3149  
Delta R.T. -0.01 min  
Lab File: BG030615.D  
Acq: 31 Oct 2017 16:50

Tgt Ion:240 Resp: 540978  
Ion Ratio Lower Upper  
240 100  
120 8.8 6.8 10.2  
236 26.4 20.9 31.3







#78

Terphenyl-d14

Concen: 50.89 ng

RT: 20.10 min Scan# 2862

Delta R.T. -0.02 min

Lab File: BG030615.D

Acq: 31 Oct 2017 16:50

Instrument :

BNA\_G

ClientSampleId :

SW-02(18-20)

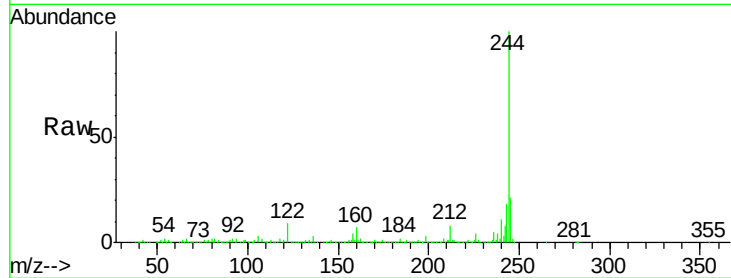
Tgt Ion:244 Resp: 1210076

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

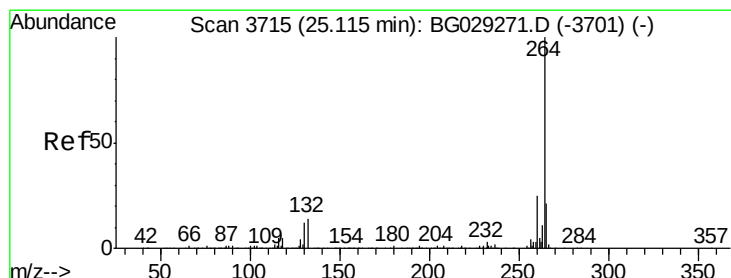
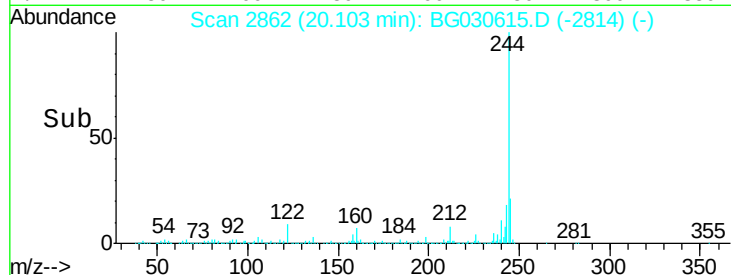
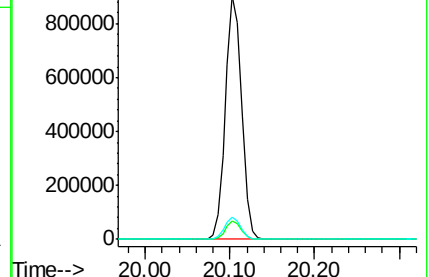
122 8.9 7.0 10.4



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: 20.00 ng

RT: 25.10 min Scan# 3712

Delta R.T. -0.02 min

Lab File: BG030615.D

Acq: 31 Oct 2017 16:50

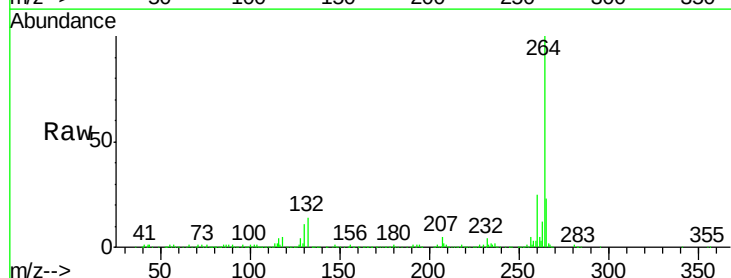
Tgt Ion:264 Resp: 538710

Ion Ratio Lower Upper

264 100

260 24.9 17.4 26.0

265 22.9 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

