

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022716\  
 Data File : BG021110.D  
 Acq On : 27 Feb 2016 11:51  
 Operator : UM/SJ  
 Sample : H1577-05  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEC-MW1-S1

Quant Time: Feb 29 01:02:45 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 26 16:39:44 2016  
 Response via : Initial Calibration

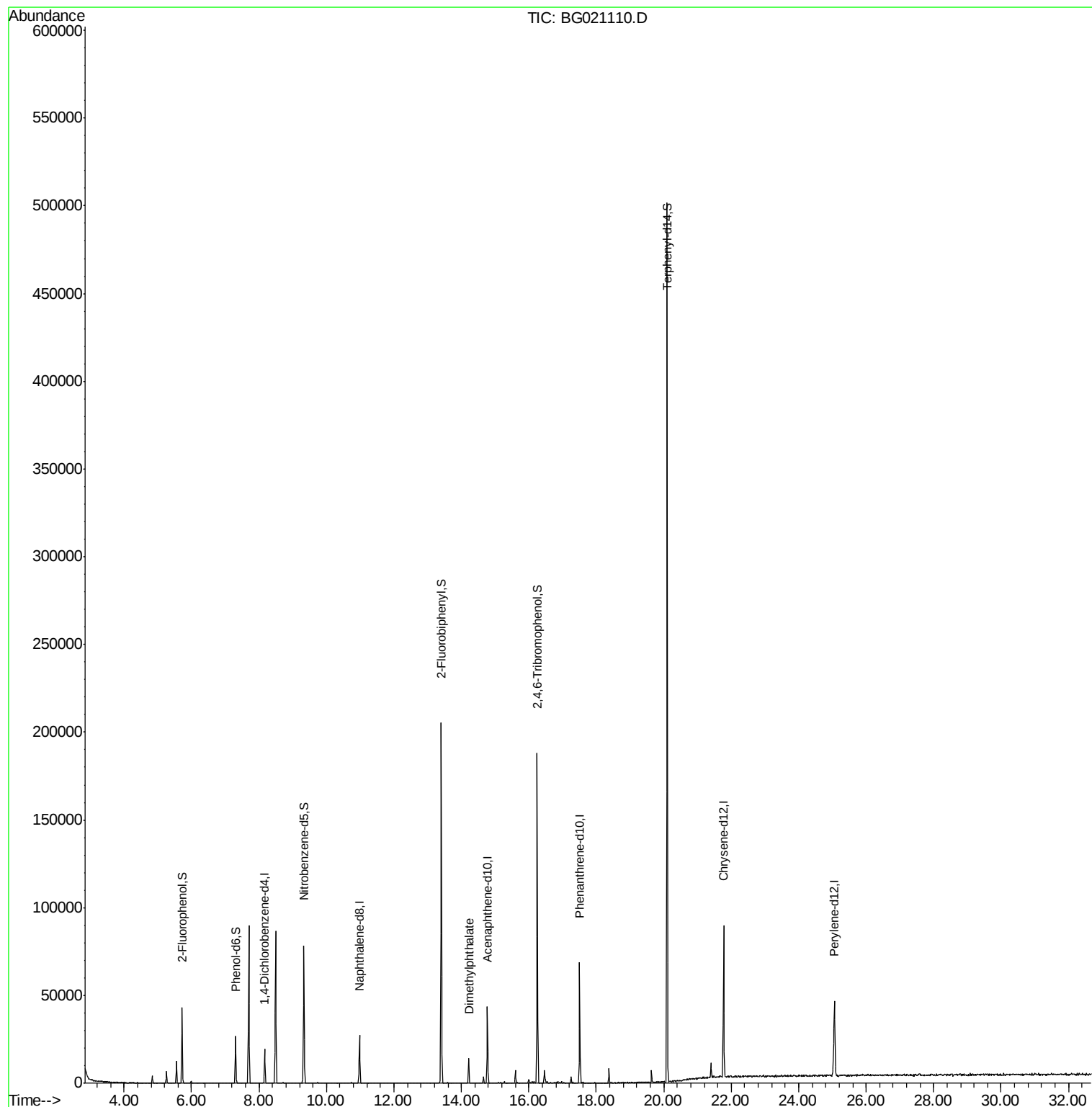
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 5203     | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 22875    | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.77 | 164  | 14930    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.51 | 188  | 40881    | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.77 | 240  | 51235    | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 25.06 | 264  | 46555    | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 16589    | 55.82  | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 14286    | 32.30  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 46783    | 97.44  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 26802    | 136.92 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.40 | 172  | 102683   | 88.01  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.10 | 244  | 208557   | 95.13  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 14.22 | 163  | 8960     | 6.96   | ng    | # 92     |

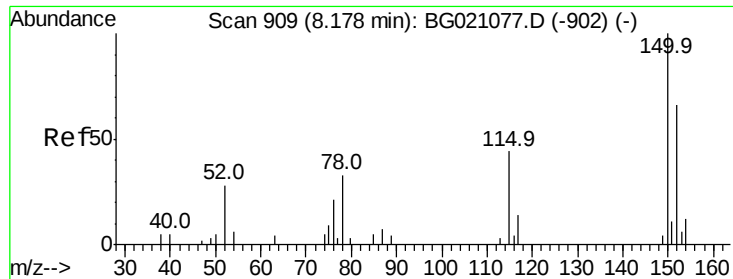
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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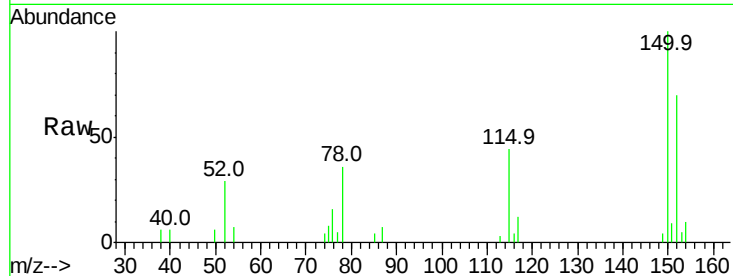


#1

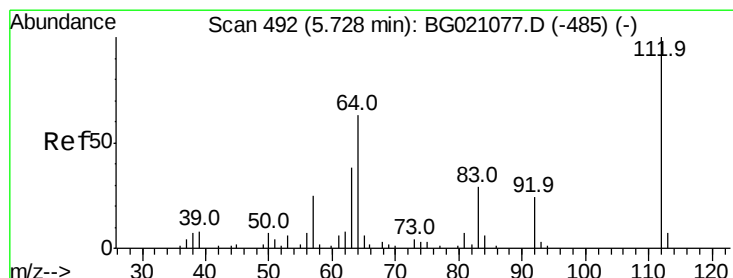
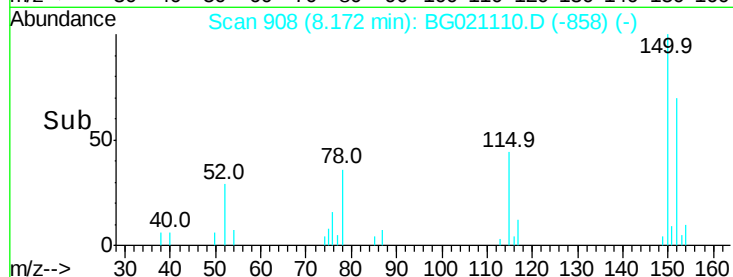
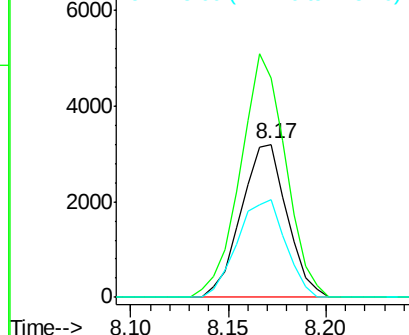
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.17 min Scan# 908  
Delta R.T. -0.01 min  
Lab File: BG021110.D  
Acq: 27 Feb 2016 11:51

Instrument :  
BNA\_G  
ClientSampleId :  
TEC-MW1-S1

Tot Ion:152 Resp: 5203  
Ion Ratio Lower Upper  
152 100  
150 142.9 123.4 185.2  
115 63.4 43.3 64.9



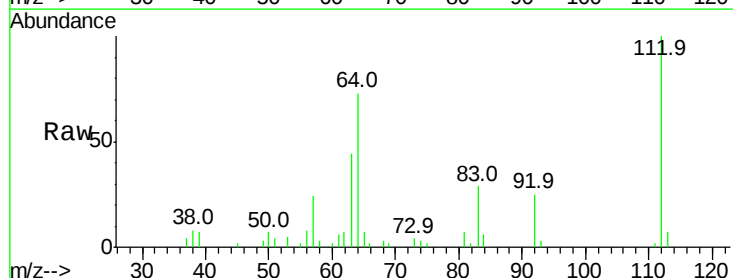
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



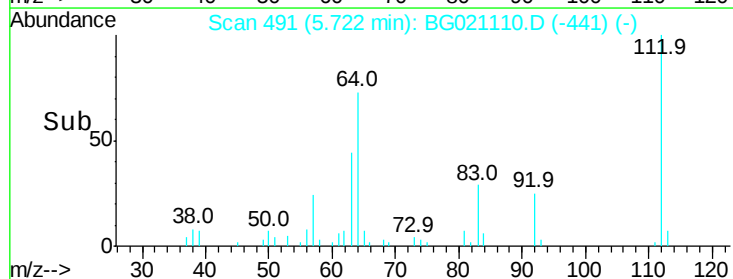
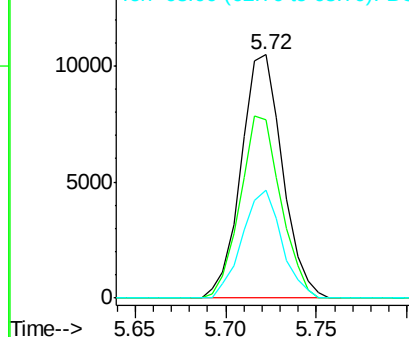
#5

2-Fluorophenol  
Concen: 55.82 ng  
RT: 5.72 min Scan# 491  
Delta R.T. -0.01 min  
Lab File: BG021110.D  
Acq: 27 Feb 2016 11:51

Tgt Ion:112 Resp: 16589  
Ion Ratio Lower Upper  
112 100  
64 73.3 42.6 63.8#  
63 44.3 21.7 32.5#



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: 32.30 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.02 min

Lab File: BG021110.D

Acq: 27 Feb 2016 11:51

Instrument :

BNA\_G

ClientSampled :

TEC-MW1-S1

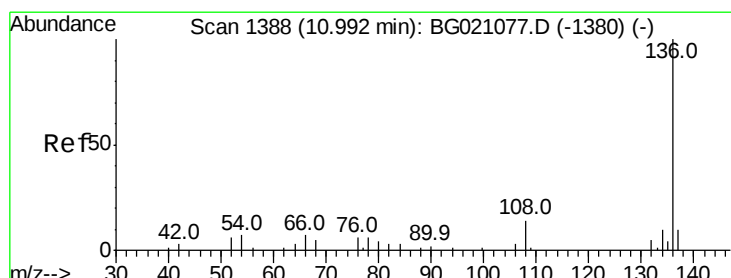
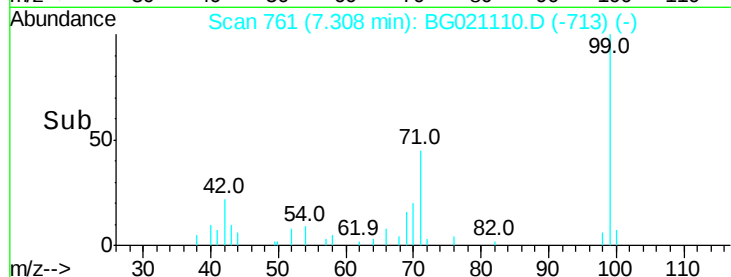
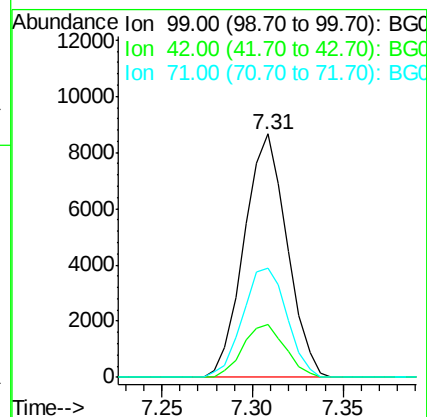
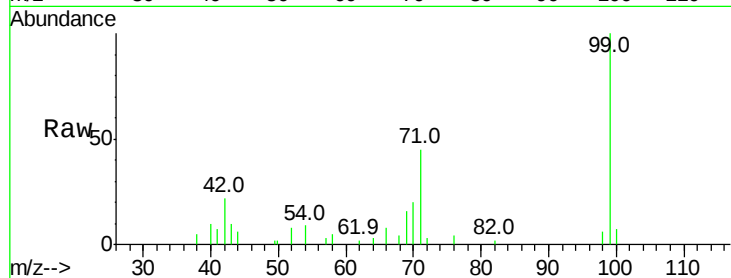
Tot Ion: 99 Resp: 14286

Ion Ratio Lower Upper

99 100

42 21.5 13.2 19.8#

71 44.9 25.2 37.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BG021110.D

Acq: 27 Feb 2016 11:51

Tgt Ion: 136 Resp: 22875

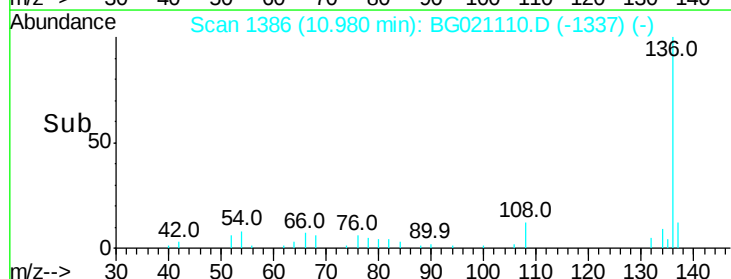
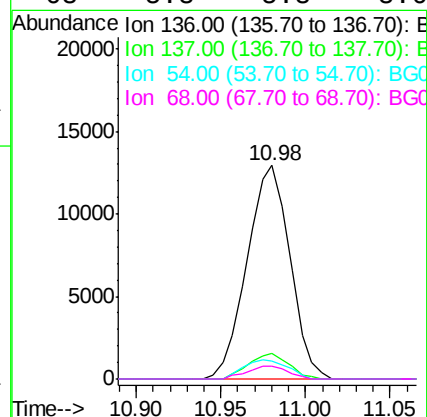
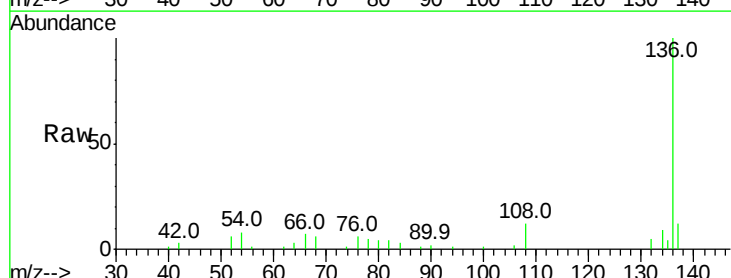
Ion Ratio Lower Upper

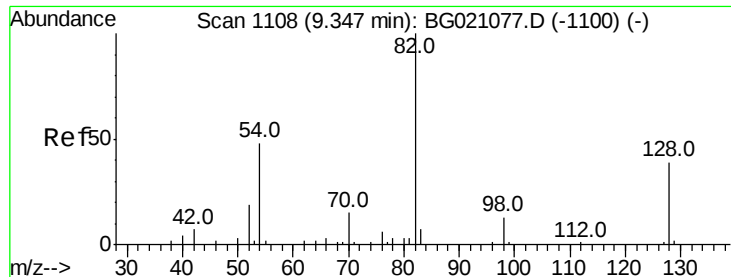
136 100

137 12.0 8.8 13.2

54 8.3 6.9 10.3

68 5.8 5.8 8.6

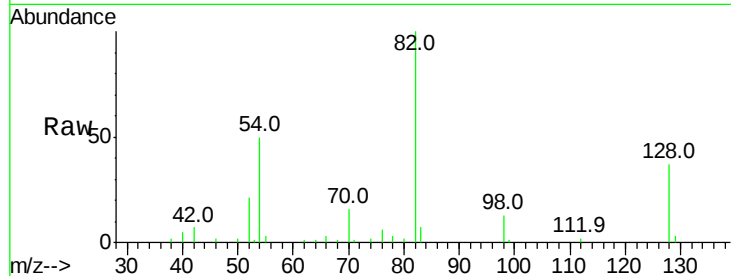




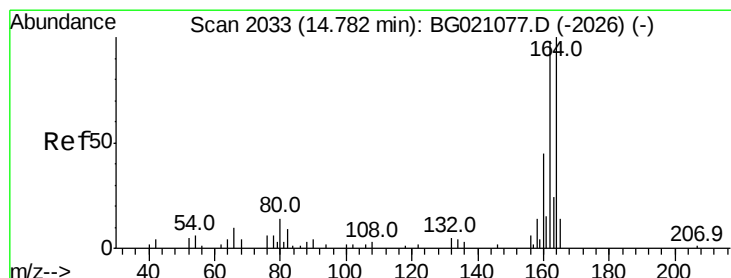
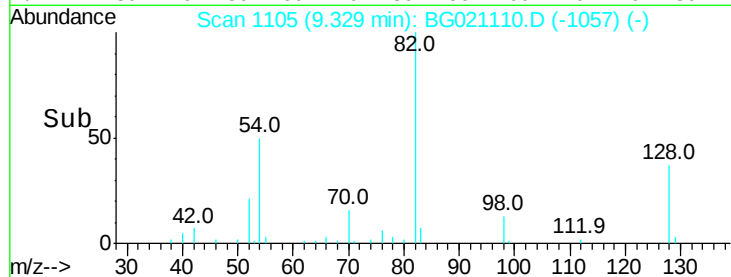
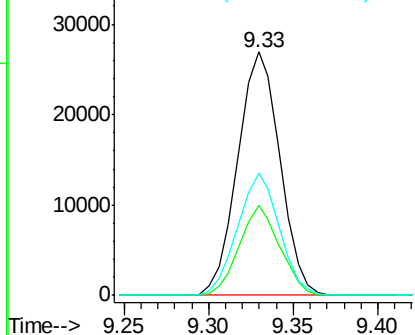
#23  
 Nitrobenzene-d5  
 Concen: 97.44 ng  
 RT: 9.33 min Scan# 1105  
 Delta R.T. -0.02 min  
 Lab File: BG021110.D  
 Acq: 27 Feb 2016 11:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEC-MW1-S1

| Tot Ion   | 82   | Resp  | 46783 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 128       | 36.8 | 36.3  | 54.5  |
| 54        | 49.9 | 37.6  | 56.4  |

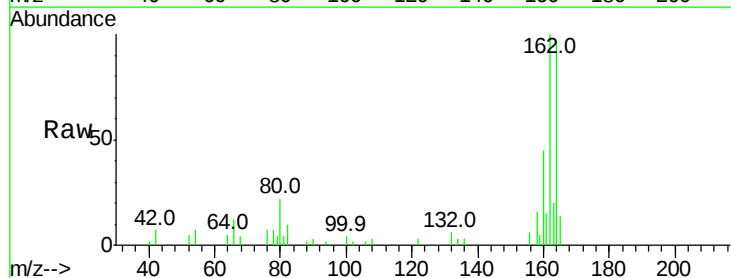


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

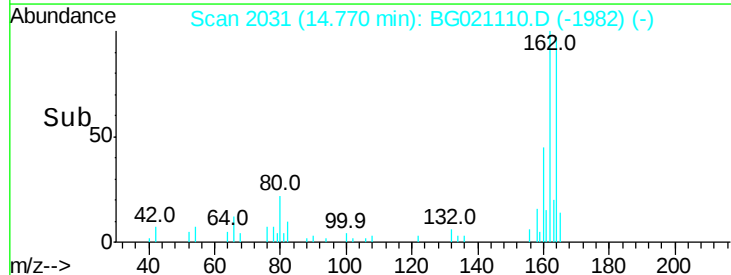
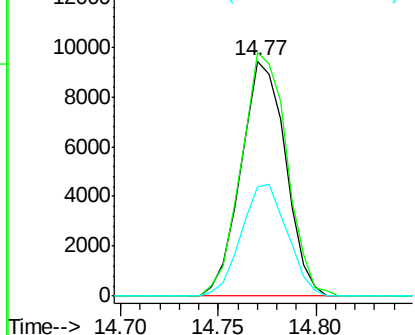


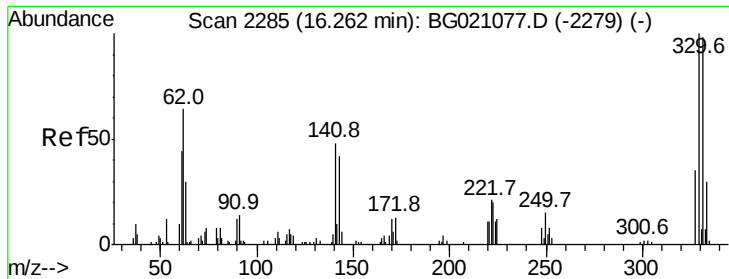
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.77 min Scan# 2031  
 Delta R.T. -0.01 min  
 Lab File: BG021110.D  
 Acq: 27 Feb 2016 11:51

| Tgt Ion   | 164   | Resp  | 14930 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 103.6 | 80.6  | 120.8 |
| 160       | 46.7  | 36.5  | 54.7  |



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

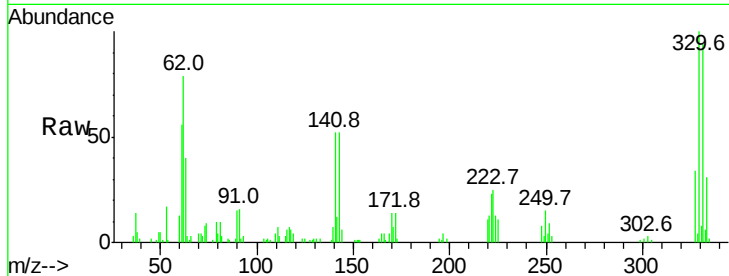




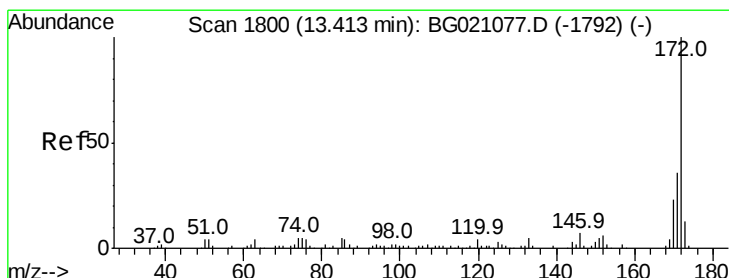
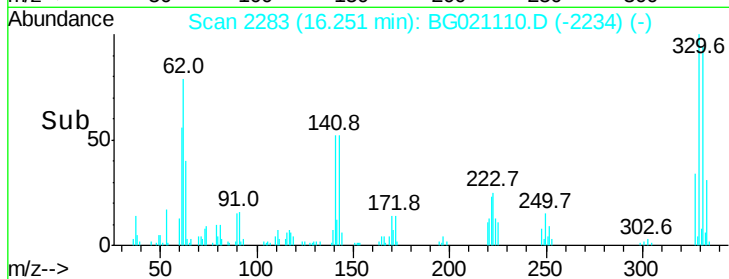
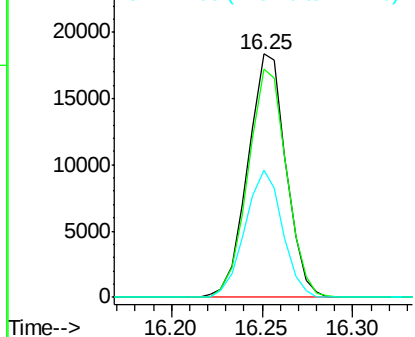
#41  
 2,4,6-Tribromophenol  
 Concen: 136.92 ng  
 RT: 16.25 min Scan# 2283  
 Delta R.T. -0.01 min  
 Lab File: BG021110.D  
 Acq: 27 Feb 2016 11:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEC-MW1-S1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.9  | 77.4  | 116.0 |
| 141     | 51.1  | 35.3  | 52.9  |

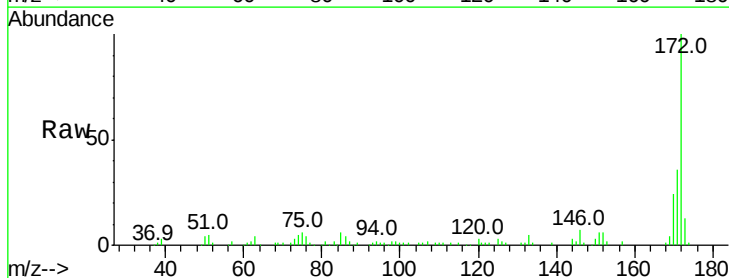


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

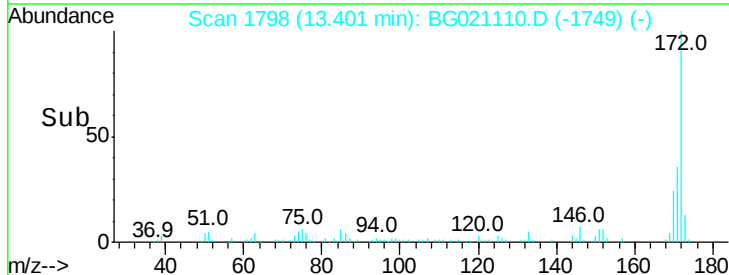
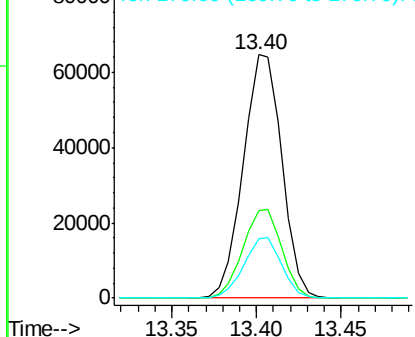


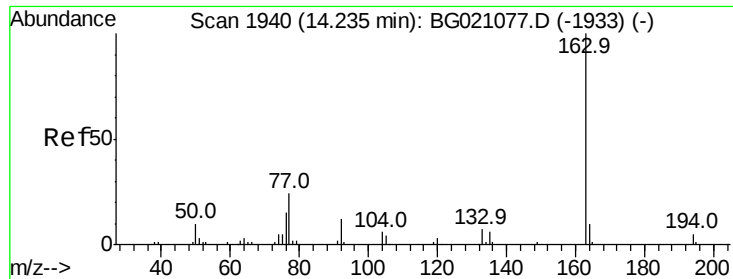
#44  
 2-Fluorobiphenyl  
 Concen: 88.01 ng  
 RT: 13.40 min Scan# 1798  
 Delta R.T. -0.01 min  
 Lab File: BG021110.D  
 Acq: 27 Feb 2016 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.4  | 44.0  |
| 170     | 24.3  | 19.8  | 29.8  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.96 ng

RT: 14.22 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG021110.D

Acq: 27 Feb 2016 11:51

Instrument :

BNA\_G

ClientSampleId :

TEC-MW1-S1

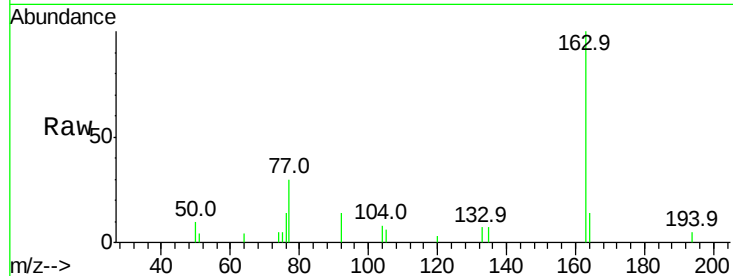
Tot Ion:163 Resp: 8960

Ion Ratio Lower Upper

163 100

194 4.7 2.8 4.2#

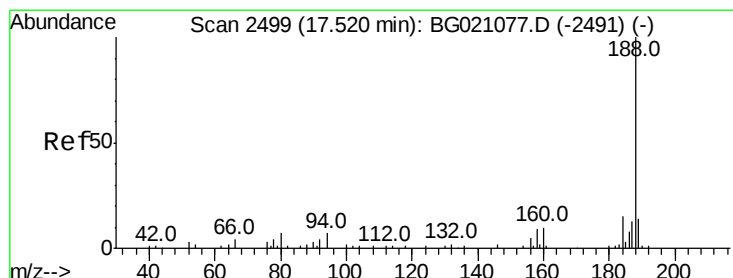
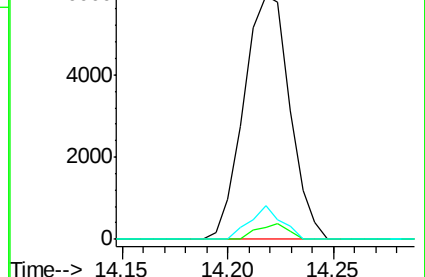
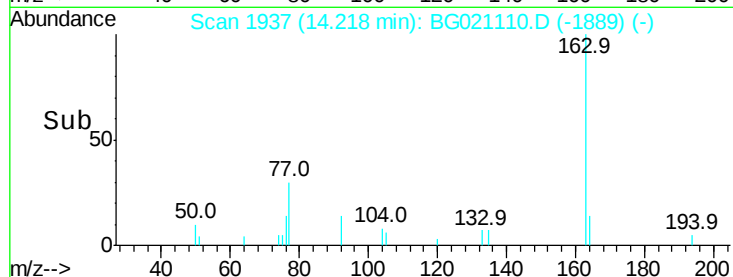
164 13.7 7.9 11.9#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.51 min Scan# 2497

Delta R.T. -0.01 min

Lab File: BG021110.D

Acq: 27 Feb 2016 11:51

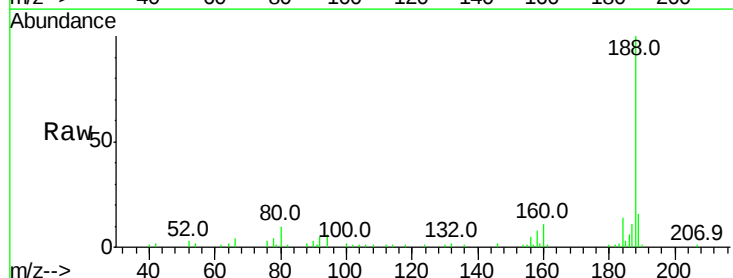
Tgt Ion:188 Resp: 40881

Ion Ratio Lower Upper

188 100

94 6.4 8.2 12.4#

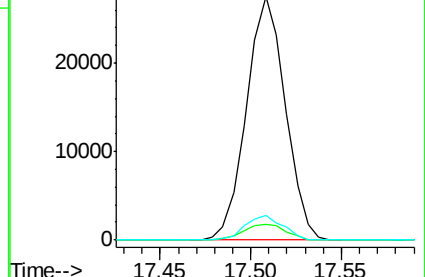
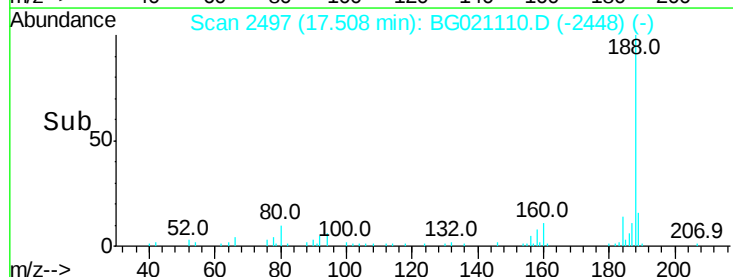
80 10.1 9.2 13.8

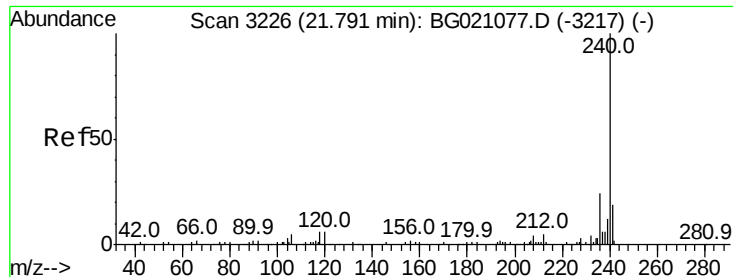


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

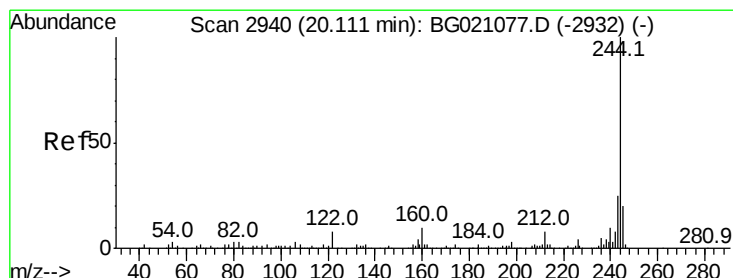
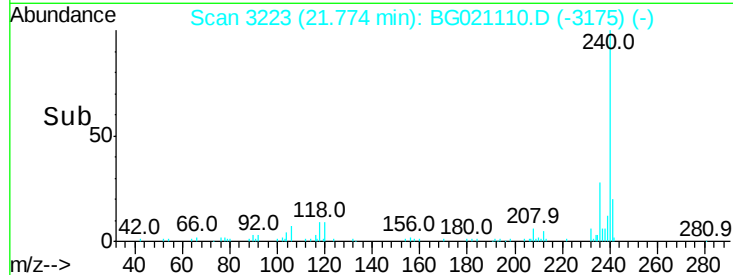
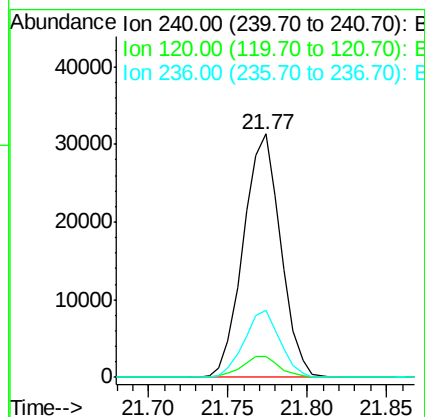
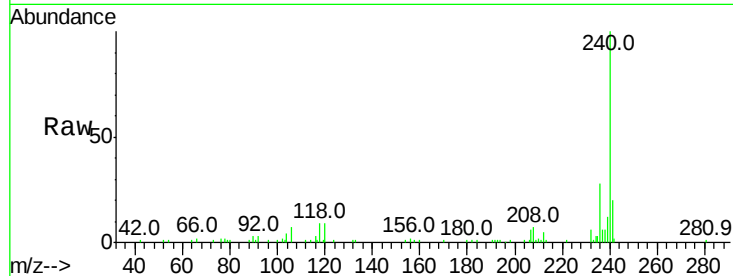




#75  
 Chrvsene-d12  
 Concen: 20.00 ng  
 RT: 21.77 min Scan# 3223  
 Delta R.T. -0.02 min  
 Lab File: BG021110.D  
 Acq: 27 Feb 2016 11:51

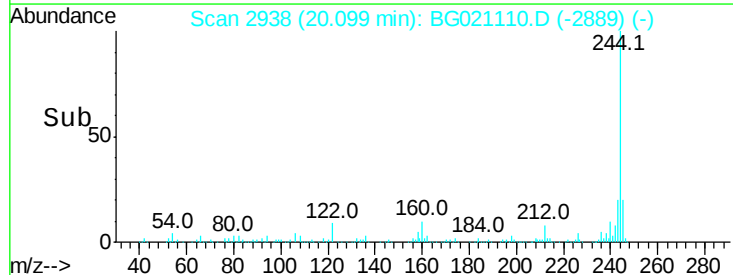
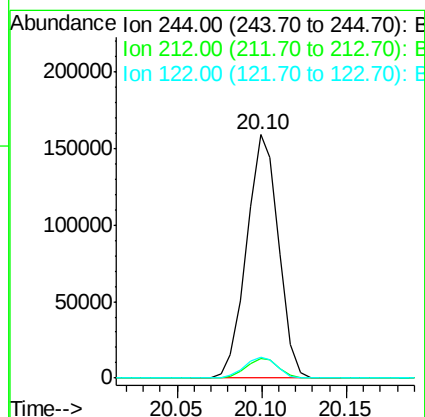
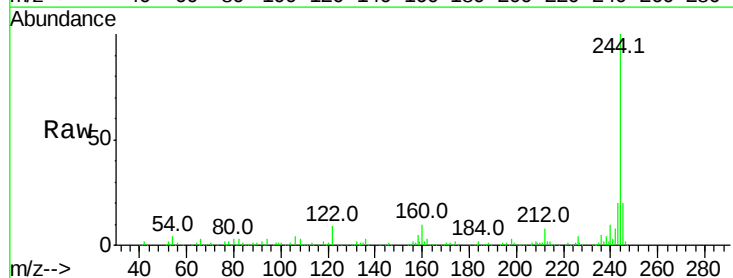
Instrument :  
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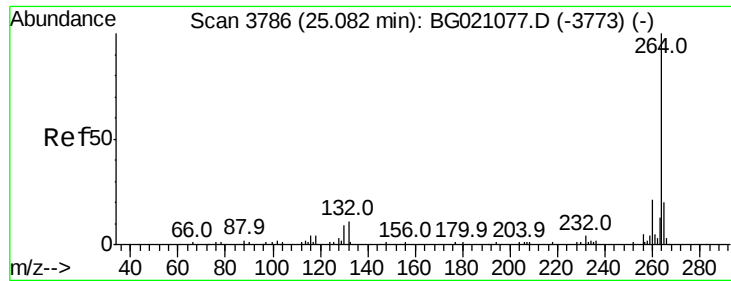
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.7   | 7.5   | 11.3  |
| 236     | 27.6  | 20.5  | 30.7  |



#78  
 Terphenyl-d14  
 Concen: 95.13 ng  
 RT: 20.10 min Scan# 2938  
 Delta R.T. -0.01 min  
 Lab File: BG021110.D  
 Acq: 27 Feb 2016 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.2   | 5.8   | 8.6   |
| 122     | 8.7   | 8.3   | 12.5  |

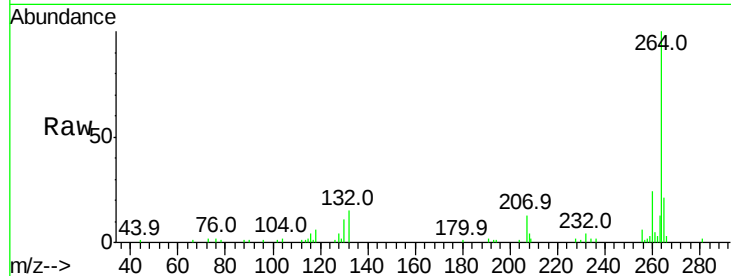




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.06 min Scan# 3782  
 Delta R.T. -0.02 min  
 Lab File: BG021110.D  
 Acq: 27 Feb 2016 11:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEC-MW1-S1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 18.5  | 27.7  |
| 265     | 21.0  | 18.6  | 28.0  |



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

