

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073116\  
 Data File : BG023369.D  
 Acq On : 31 Jul 2016 15:35  
 Operator : UM/SJ  
 Sample : H4285-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 01 01:26:38 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 27 17:30:33 2016  
 Response via : Initial Calibration

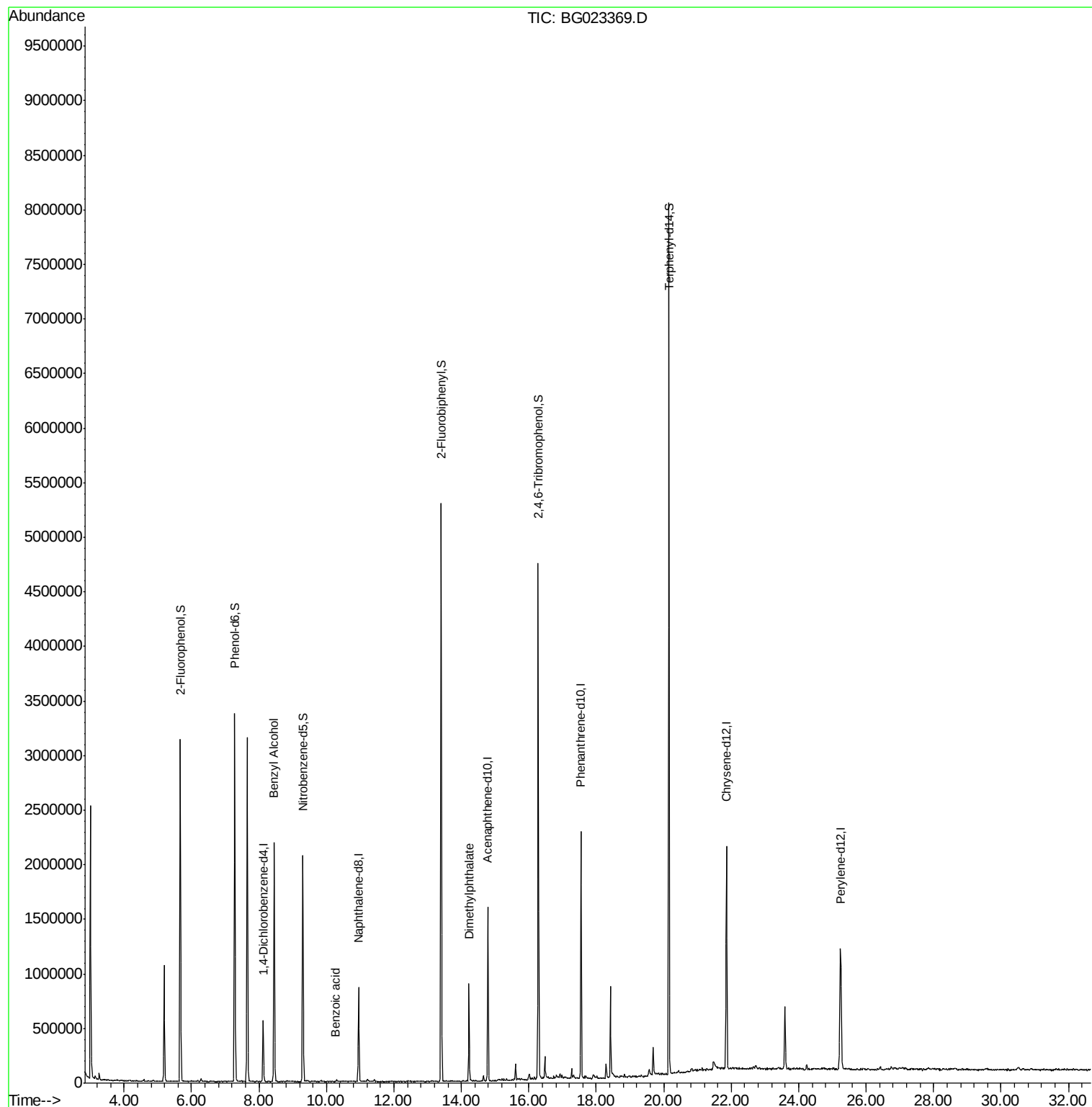
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 154836   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.96 | 136  | 723006   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.79 | 164  | 537532   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.55 | 188  | 1357067  | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.86 | 240  | 1199638  | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 25.24 | 264  | 1219015  | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 1378301  | 151.97 | ng    | 0.00     |
| 7) Phenol-d6                | 7.28  | 99   | 2059707  | 147.92 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 1353438  | 91.54  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.28 | 330  | 868010   | 156.02 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.40 | 172  | 2529374  | 88.07  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.16 | 244  | 2913233  | 78.94  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 15) Benzyl Alcohol          | 8.45  | 79   | 21428    | 2.29   | ng    | # 72     |
| 32) Benzoic acid            | 10.25 | 122  | 74       | 8.12   | ng    | # 18     |
| 49) Dimethylphthalate       | 14.23 | 163  | 581885   | 14.67  | ng    | 99       |

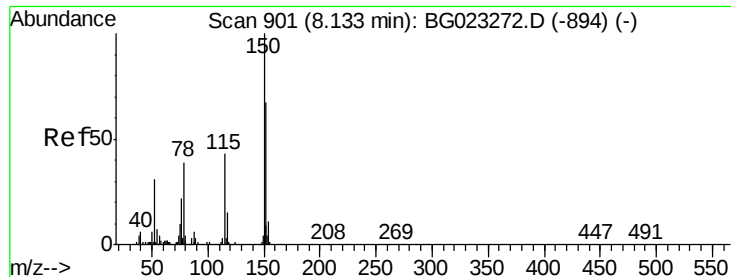
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073116\  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

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BNA\_G  
ClientSampleId :

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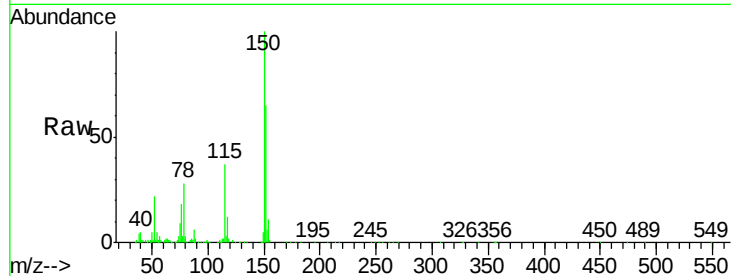


#1

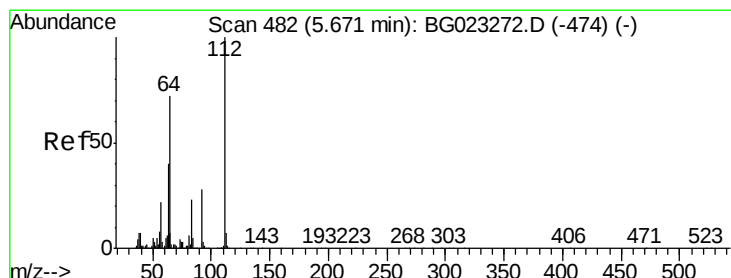
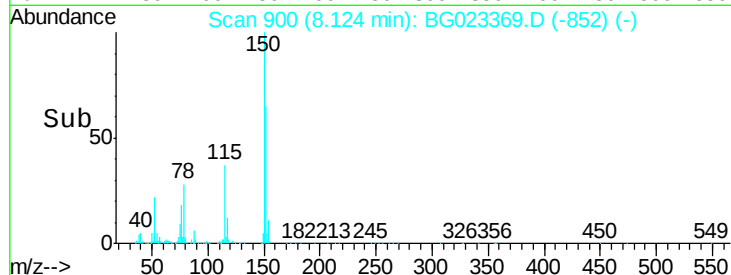
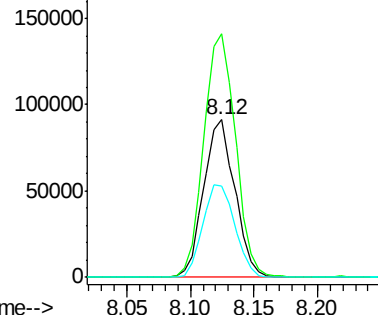
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.12 min Scan# 900  
Delta R.T. -0.02 min  
Lab File: BG023369.D  
Acq: 31 Jul 2016 15:35

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 154836  
Ion Ratio Lower Upper  
152 100  
150 154.7 144.7 217.1  
115 57.6 64.0 96.0#



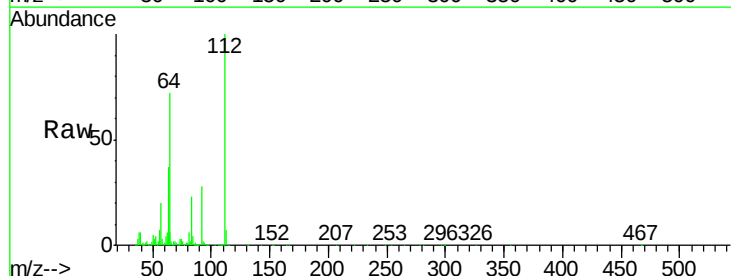
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



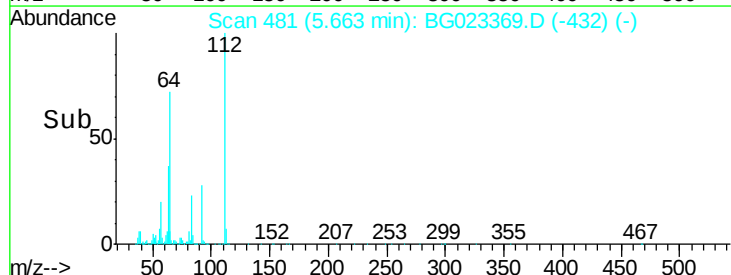
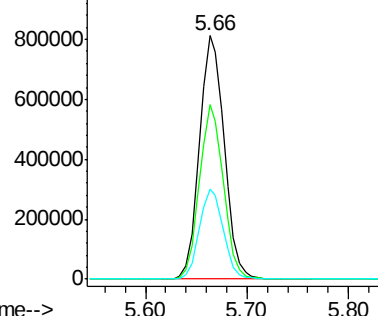
#5

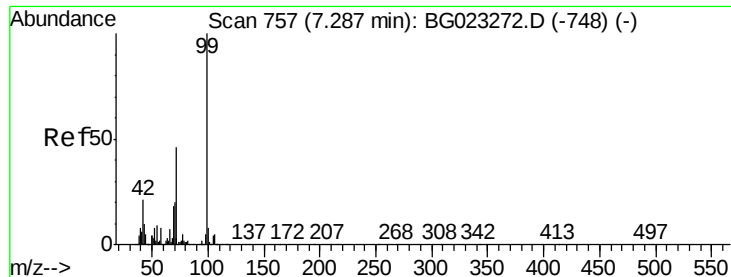
2-Fluorophenol  
Concen: 151.97 ng  
RT: 5.66 min Scan# 481  
Delta R.T. -0.01 min  
Lab File: BG023369.D  
Acq: 31 Jul 2016 15:35

Tgt Ion:112 Resp: 1378301  
Ion Ratio Lower Upper  
112 100  
64 71.7 59.0 88.4  
63 36.9 37.8 56.8#



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: 147.92 ng

RT: 7.28 min Scan# 756

Delta R.T. -0.01 min

Lab File: BG023369.D

Acq: 31 Jul 2016 15:35

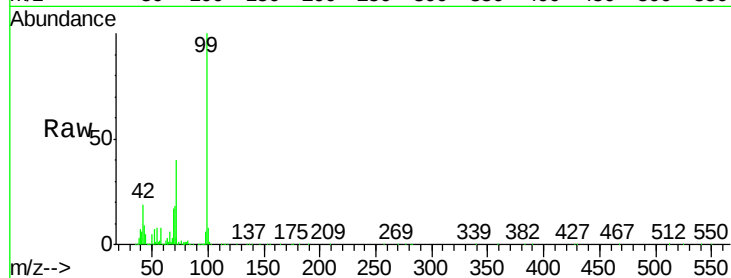
Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 99 Resp: 2059707

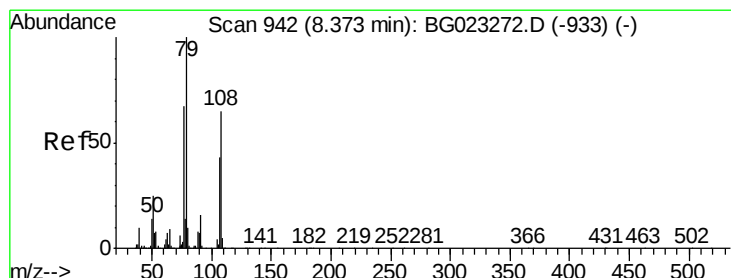
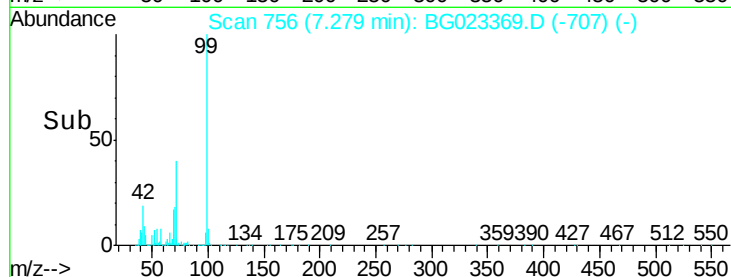
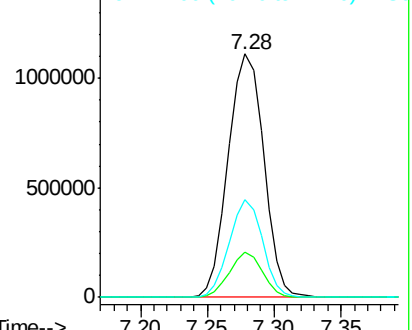
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.6  | 17.8  | 26.6  |
| 71  | 40.2  | 41.5  | 62.3  |



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



#15

Benzyl Alcohol

Concen: 2.29 ng

RT: 8.45 min Scan# 955

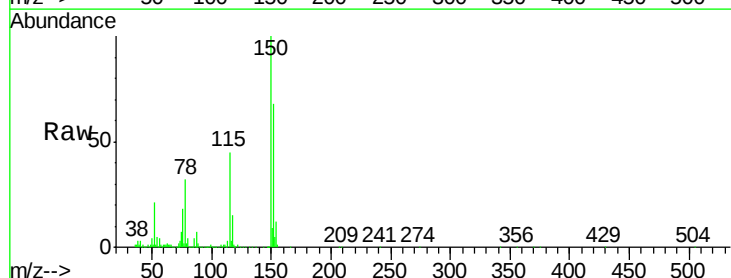
Delta R.T. 0.07 min

Lab File: BG023369.D

Acq: 31 Jul 2016 15:35

Tgt Ion: 79 Resp: 21428

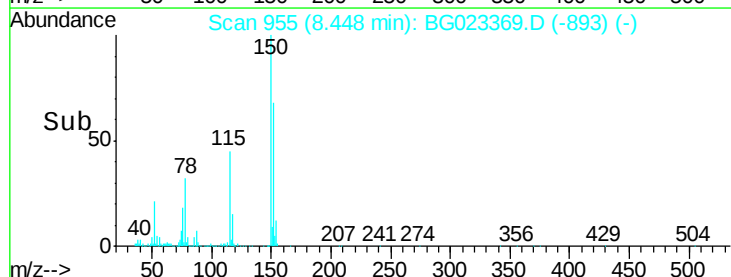
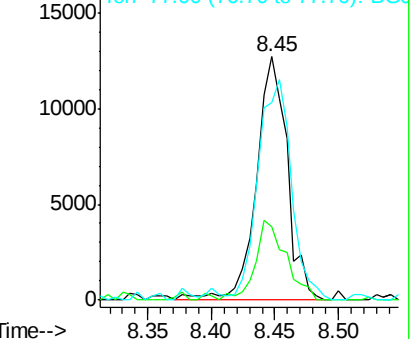
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 30.1  | 46.5  | 69.7  |
| 77  | 80.9  | 52.3  | 78.5  |

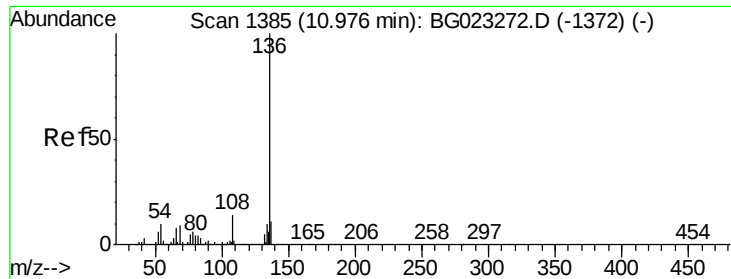


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

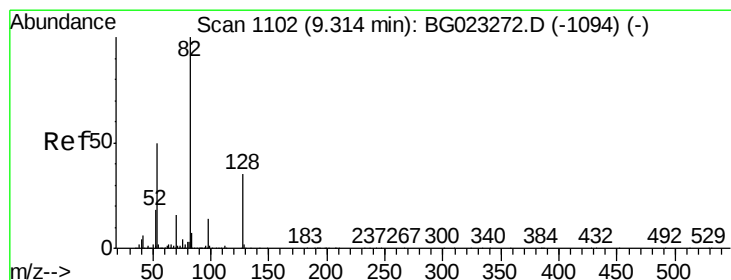
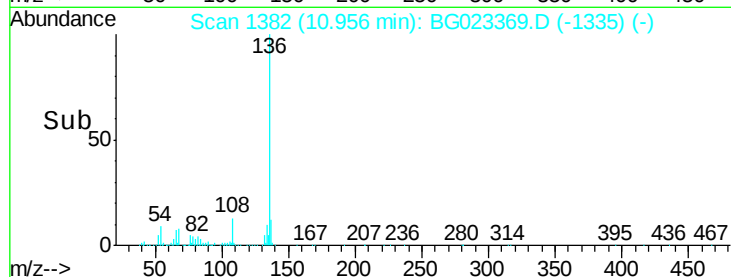
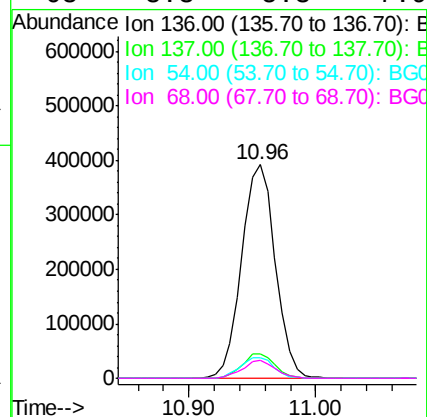
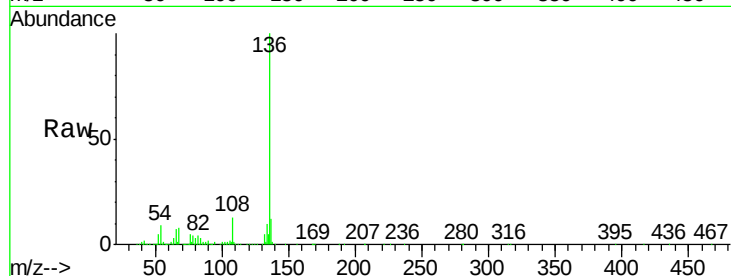




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.96 min Scan# 1382  
Delta R.T. -0.02 min  
Lab File: BG023369.D  
Acq: 31 Jul 2016 15:35

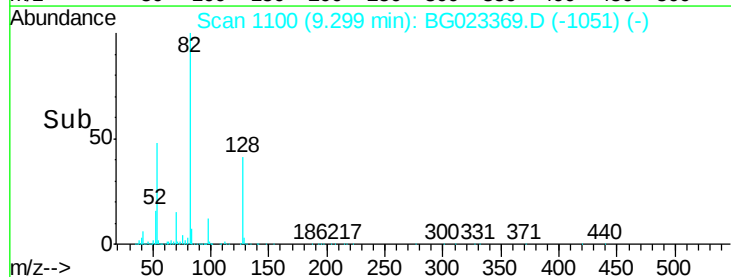
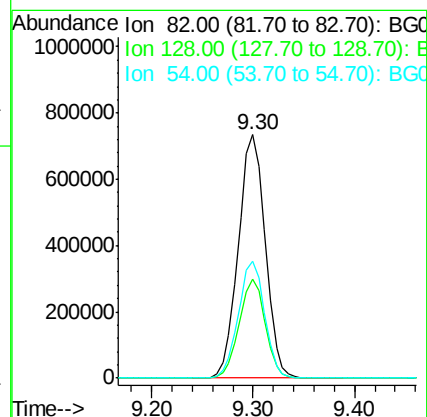
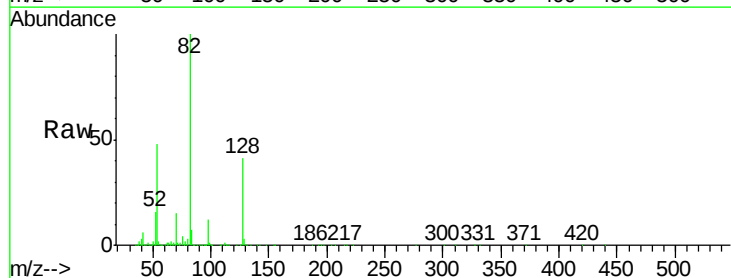
Instrument :  
BNA\_G  
ClientSampleId :

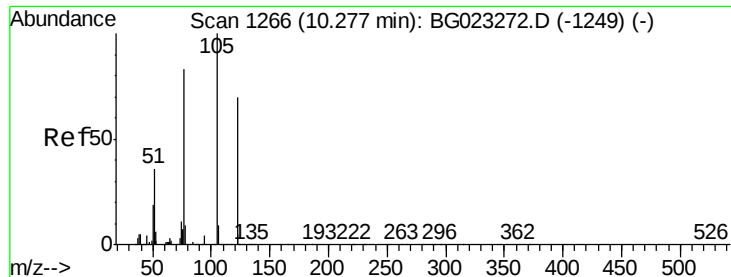
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 723006   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.7  | 9.6 14.4 |
| 54          | 9.4   | 7.3 10.9 |
| 68          | 8.3   | 5.3 7.9  |



#23  
Nitrobenzene-d5  
Concen: 91.54 ng  
RT: 9.30 min Scan# 1100  
Delta R.T. -0.01 min  
Lab File: BG023369.D  
Acq: 31 Jul 2016 15:35

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 1353438   |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 40.9  | 24.4 36.6 |
| 54          | 47.9  | 41.4 62.0 |

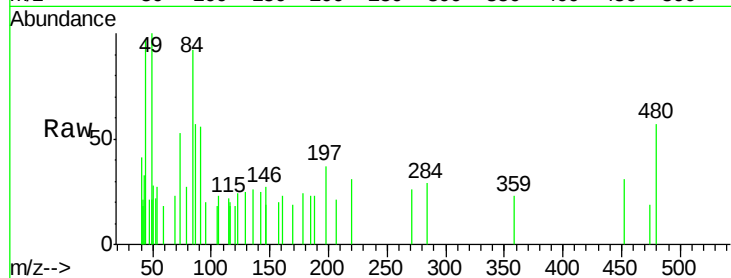




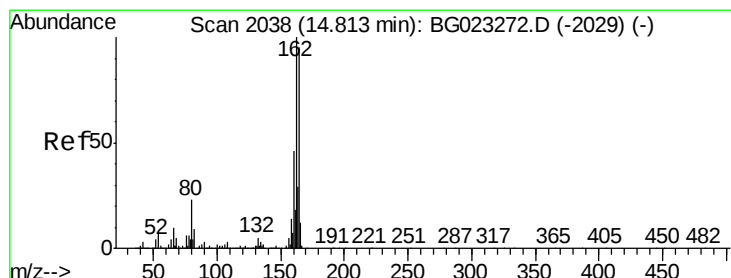
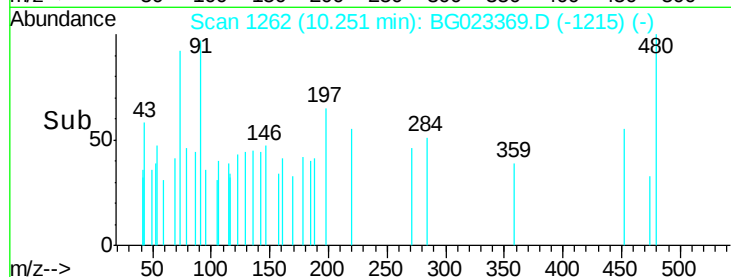
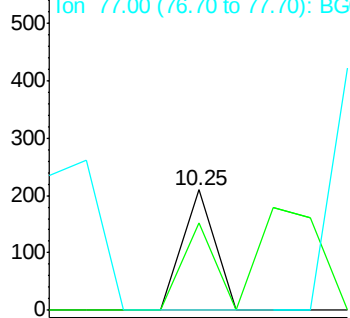
#32  
Benzoic acid  
Concen: 8.12 ng  
RT: 10.25 min Scan# 1262  
Delta R.T. -0.03 min  
Lab File: BG023369.D  
Acq: 31 Jul 2016 15:35

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:122 Resp: 74  
Ion Ratio Lower Upper  
122 100  
105 72.4 117.2 157.2#  
77 0.0 109.2 149.2#

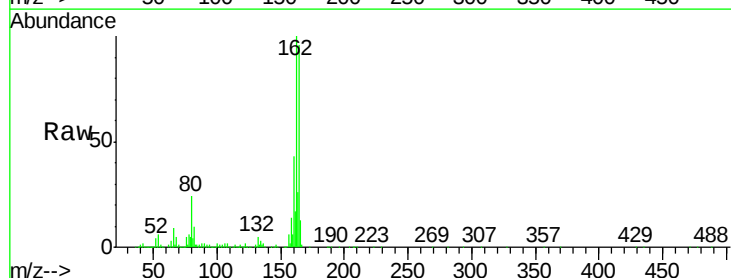


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BGC

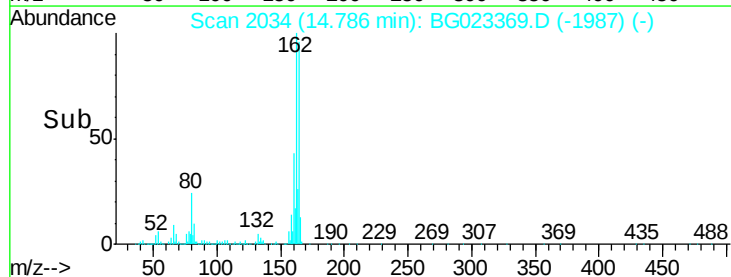
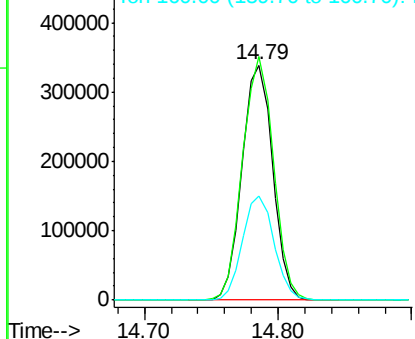


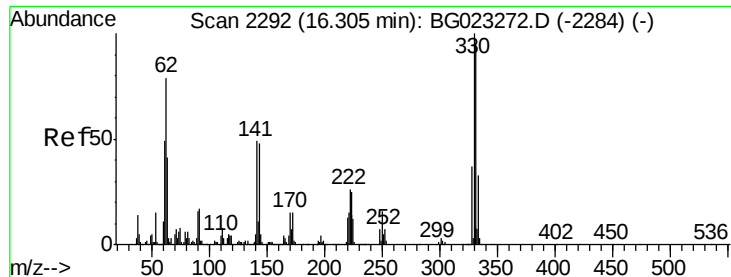
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.79 min Scan# 2034  
Delta R.T. -0.02 min  
Lab File: BG023369.D  
Acq: 31 Jul 2016 15:35

Tgt Ion:164 Resp: 537532  
Ion Ratio Lower Upper  
164 100  
162 103.7 87.7 131.5  
160 44.4 37.2 55.8



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

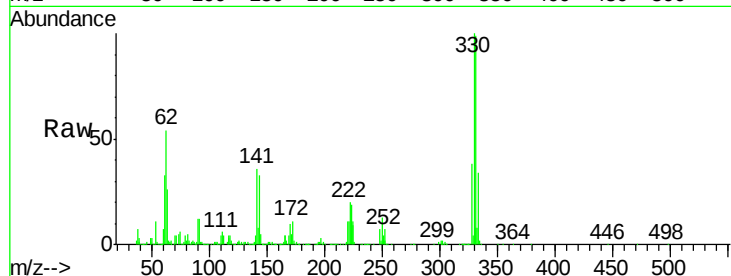




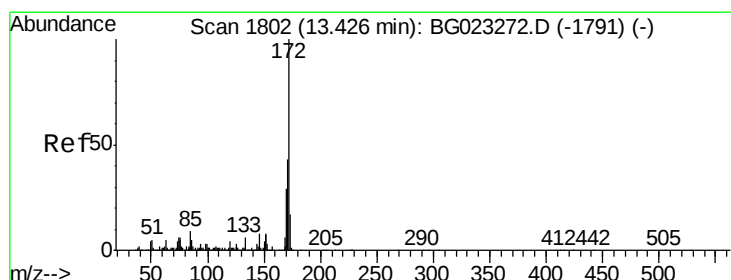
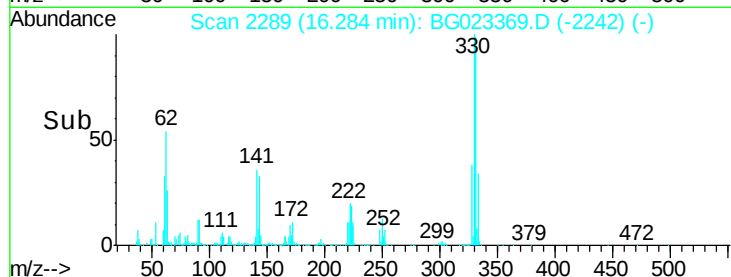
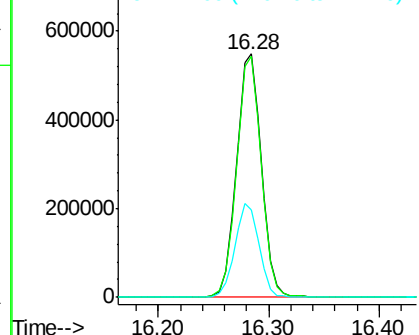
#41  
 2,4,6-Tribromophenol  
 Concen: 156.02 ng  
 RT: 16.28 min Scan# 2289  
 Delta R.T. -0.02 min  
 Lab File: BG023369.D  
 Acq: 31 Jul 2016 15:35

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 868010  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 77.4 116.2  
 141 37.4 31.7 47.5

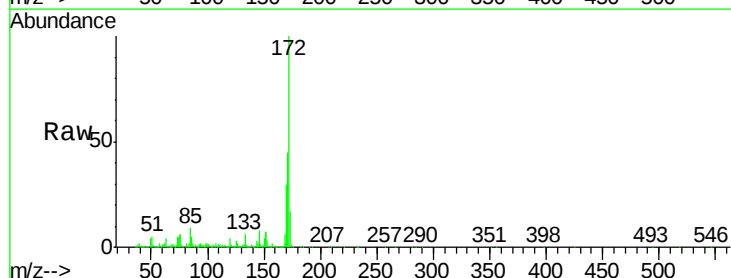


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

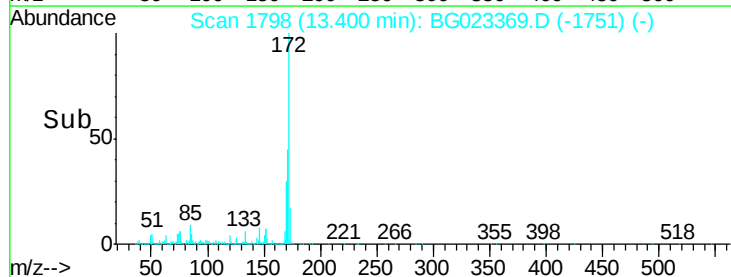
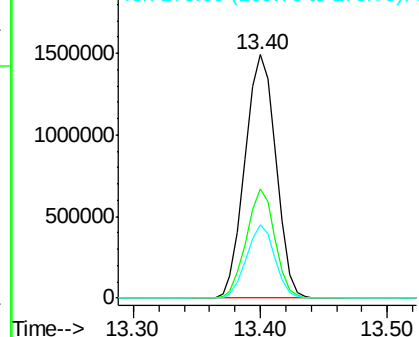


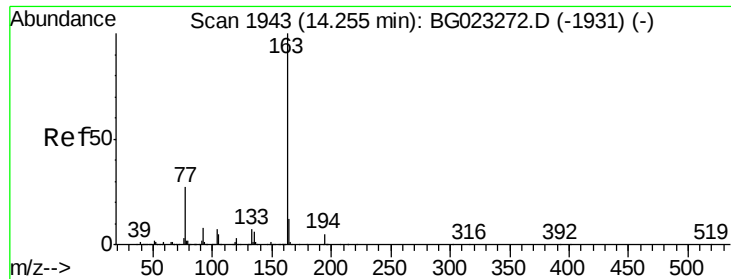
#44  
 2-Fluorobiphenyl  
 Concen: 88.07 ng  
 RT: 13.40 min Scan# 1798  
 Delta R.T. -0.02 min  
 Lab File: BG023369.D  
 Acq: 31 Jul 2016 15:35

Tgt Ion:172 Resp: 2529374  
 Ion Ratio Lower Upper  
 172 100  
 171 45.0 31.6 47.4  
 170 30.2 21.3 31.9



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: 14.67 ng

RT: 14.23 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BG023369.D

Acq: 31 Jul 2016 15:35

Instrument :

BNA\_G

ClientSampleId :

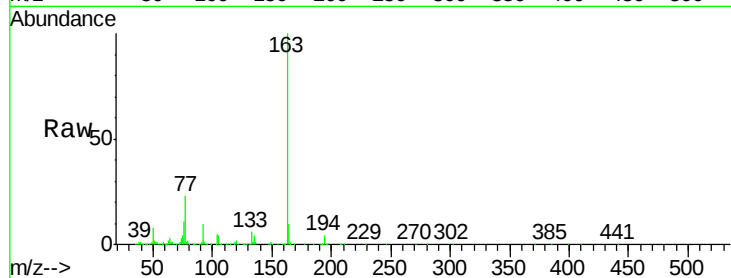
Tot Ion:163 Resp: 581885

Ion Ratio Lower Upper

163 100

194 3.8 3.6 5.4

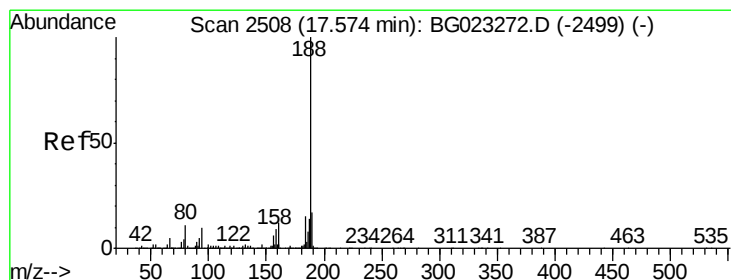
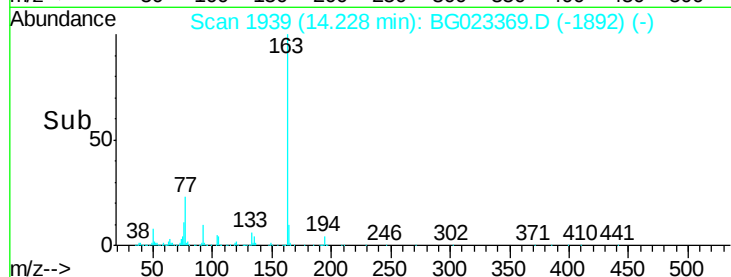
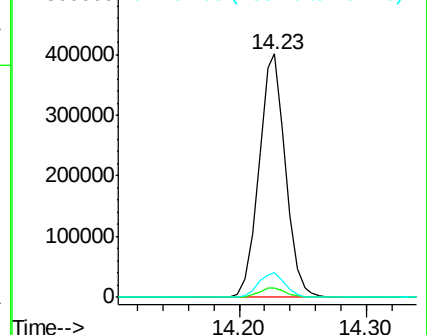
164 10.0 8.1 12.1



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: 17.55 min Scan# 2504

Delta R.T. -0.02 min

Lab File: BG023369.D

Acq: 31 Jul 2016 15:35

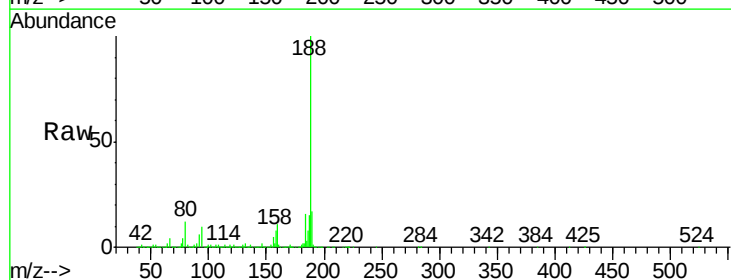
Tgt Ion:188 Resp: 1357067

Ion Ratio Lower Upper

188 100

94 10.2 5.2 7.8#

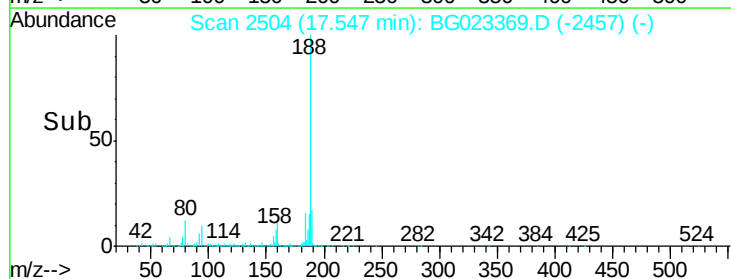
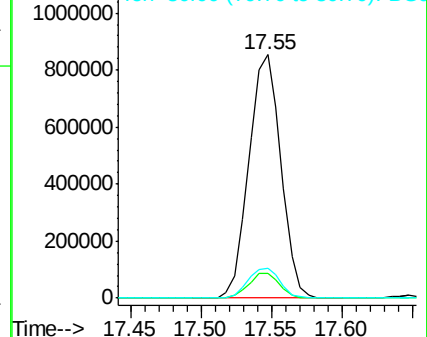
80 12.4 7.2 10.8#

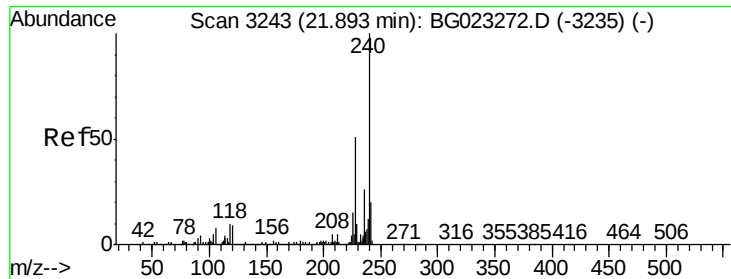


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

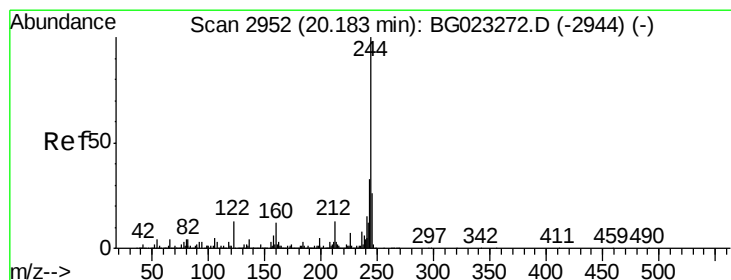
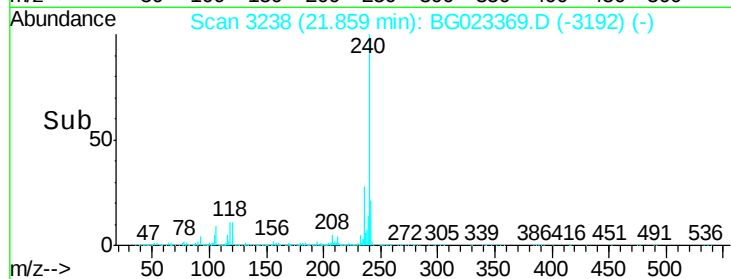
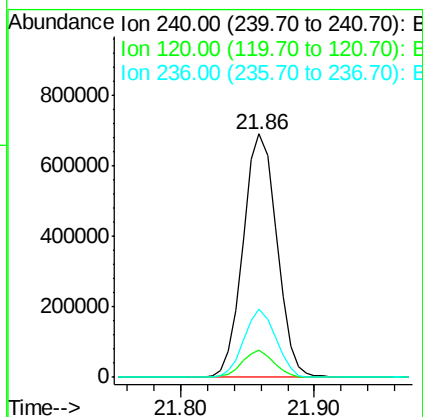
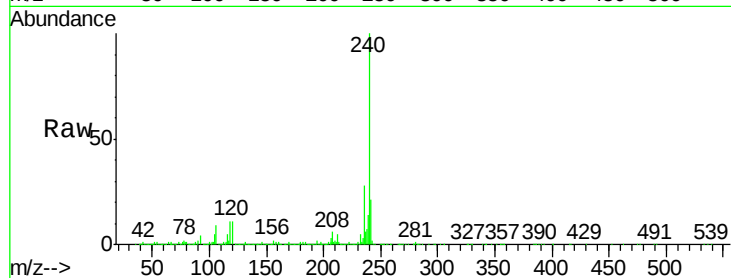




#75  
 Chrvsene-d12  
 Concen: 20.00 ng  
 RT: 21.86 min Scan# 3238  
 Delta R.T. -0.03 min  
 Lab File: BG023369.D  
 Acq: 31 Jul 2016 15:35

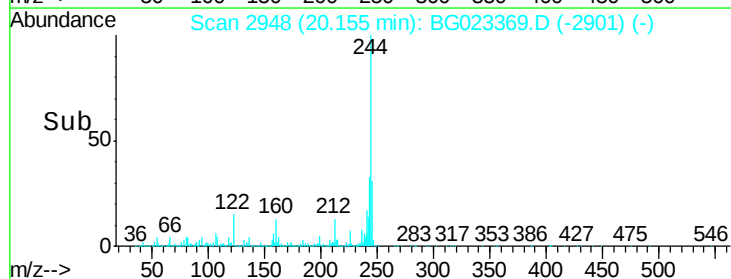
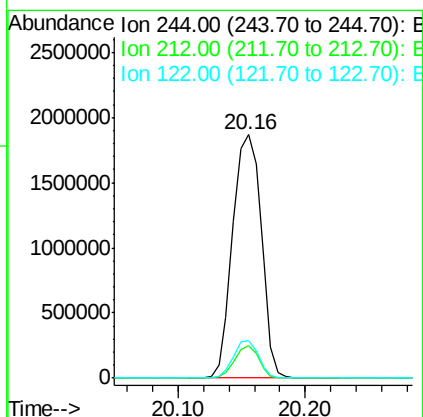
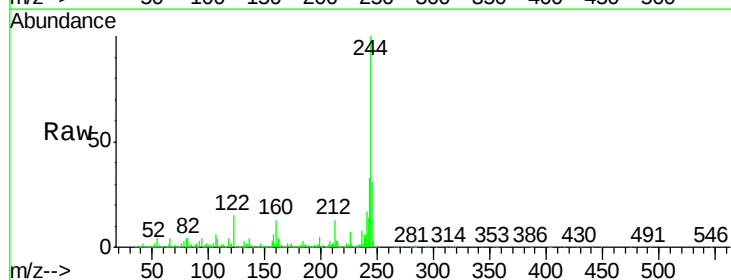
Instrument :  
 BNA\_G  
 ClientSampleId :

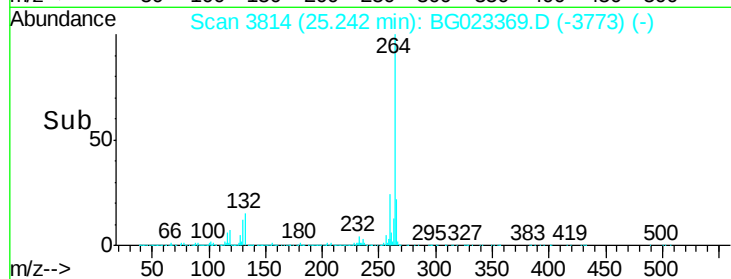
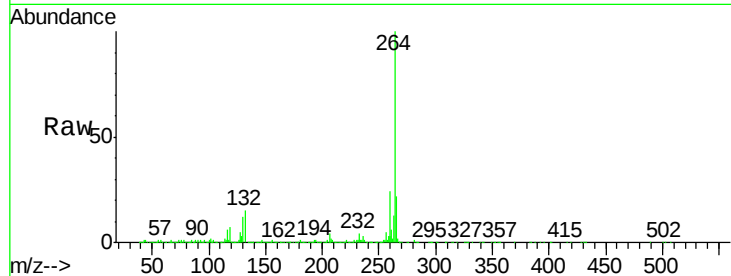
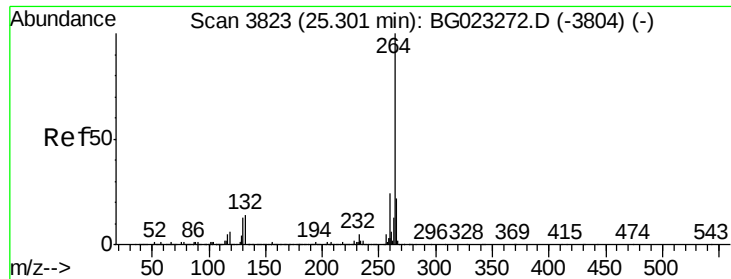
Tot Ion:240 Resp: 1199638  
 Ion Ratio Lower Upper  
 240 100  
 120 11.2 4.1 6.1#  
 236 27.9 21.1 31.7



#78  
 Terphenyl-d14  
 Concen: 78.94 ng  
 RT: 20.16 min Scan# 2948  
 Delta R.T. -0.02 min  
 Lab File: BG023369.D  
 Acq: 31 Jul 2016 15:35

Tgt Ion:244 Resp: 2913233  
 Ion Ratio Lower Upper  
 244 100  
 212 13.5 10.8 16.2  
 122 15.3 8.0 12.0#





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.24 min Scan# 3814  
Delta R.T. -0.06 min  
Lab File: BG023369.D  
Acq: 31 Jul 2016 15:35

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:264 Resp: 1219015  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 18.4  | 27.6  |
| 265 | 21.9  | 18.9  | 28.3  |

