

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082516\  
 Data File : BG023921.D  
 Acq On : 26 Aug 2016 11:53  
 Operator : UM/SJ  
 Sample : H4592-09  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4

Quant Time: Aug 26 13:02:52 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 26 11:26:50 2016  
 Response via : Initial Calibration

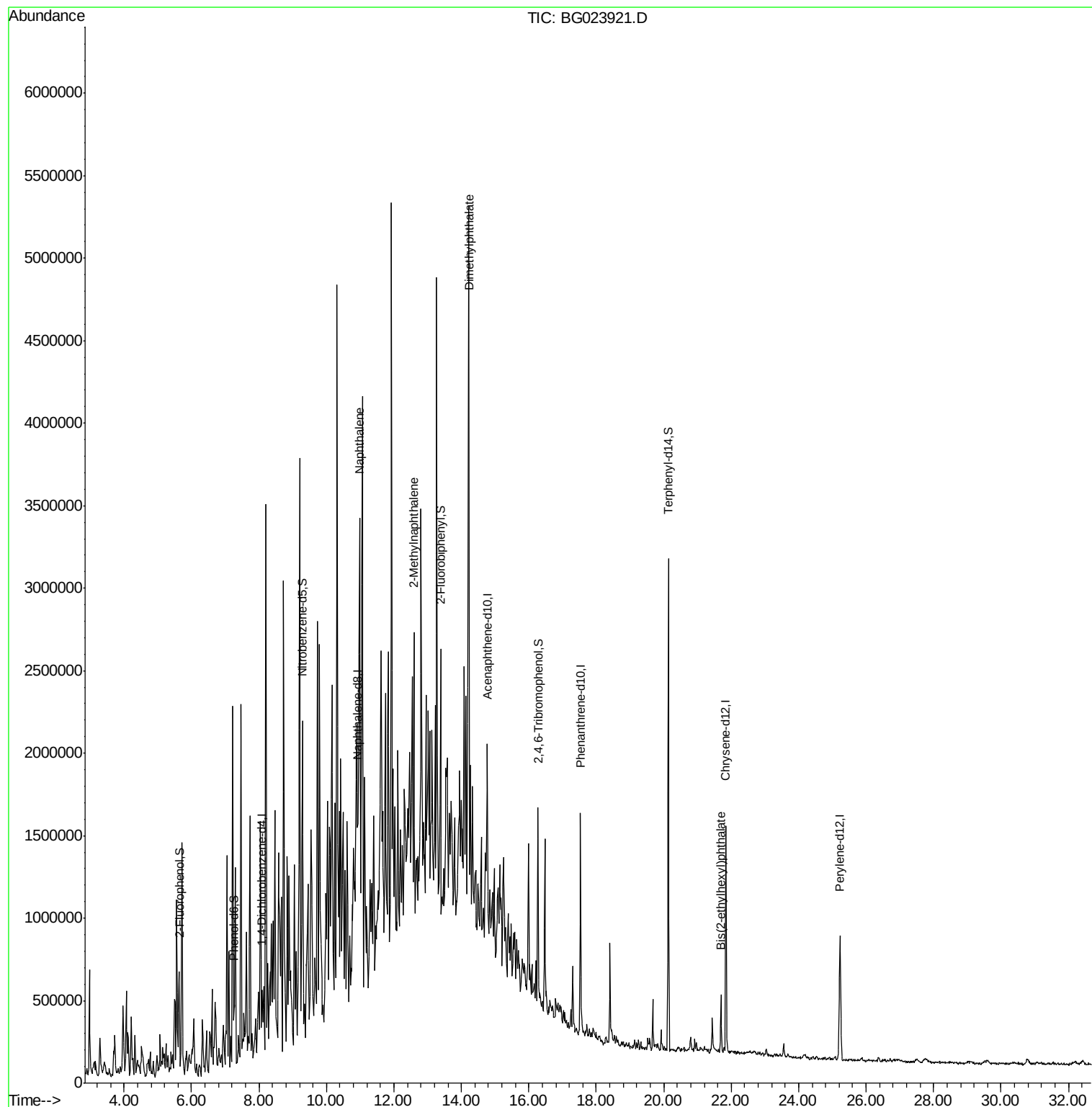
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 8.09  | 152  | 120181   | 20.00 | ng    | 0.00        |
| 21) Naphthalene-d8             | 10.93 | 136  | 507444   | 20.00 | ng    | 0.00        |
| 38) Acenaphthene-d10           | 14.77 | 164  | 343727   | 20.00 | ng    | 0.00        |
| 63) Phenanthrene-d10           | 17.53 | 188  | 772709   | 20.00 | ng    | 0.00        |
| 75) Chrysene-d12               | 21.84 | 240  | 834868   | 20.00 | ng    | 0.00        |
| 86) Perylene-d12               | 25.23 | 264  | 830952   | 20.00 | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 5) 2-Fluorophenol              | 5.64  | 112  | 155335   | 21.76 | ng    | 0.00        |
| 7) Phenol-d6                   | 7.26  | 99   | 182782   | 16.44 | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 9.28  | 82   | 404847   | 39.66 | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol       | 16.27 | 330  | 193299   | 38.45 | ng    | 0.00        |
| 44) 2-Fluorobiphenyl           | 13.38 | 172  | 828856   | 40.67 | ng    | 0.00        |
| 78) Terphenyl-d14              | 20.14 | 244  | 1186975  | 38.79 | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 31) Naphthalene                | 10.98 | 128  | 1294002  | 50.08 | ng    | Qvalue # 94 |
| 37) 2-Methylnaphthalene        | 12.59 | 142  | 813536   | 41.41 | ng    | 94          |
| 49) Dimethylphthalate          | 14.21 | 163  | 608318   | 23.07 | ng    | 98          |
| 83) Bis(2-ethylhexyl)phthalate | 21.69 | 149  | 141092   | 5.13  | ng    | # 93        |

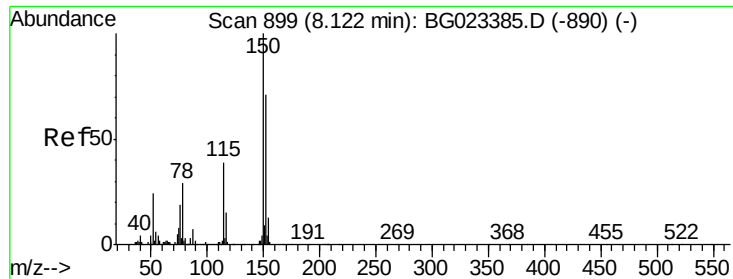
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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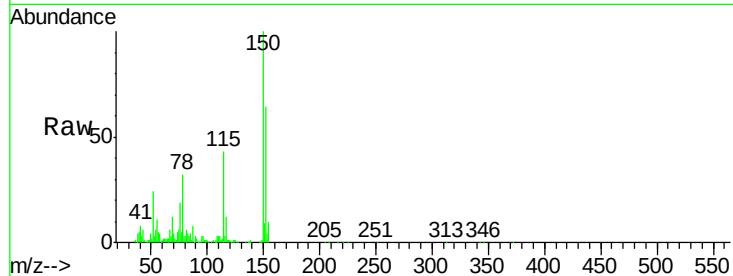


#1

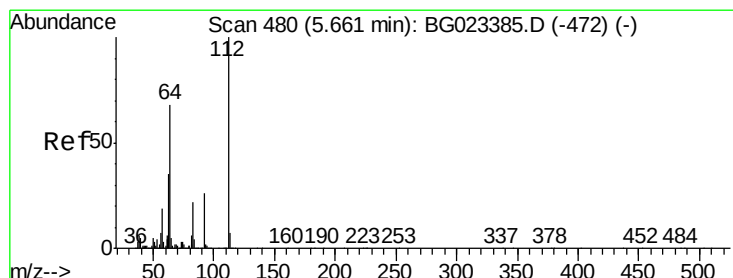
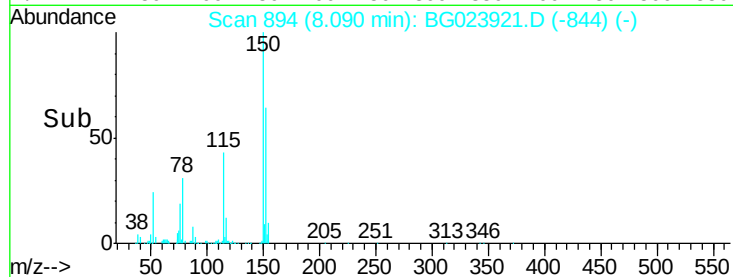
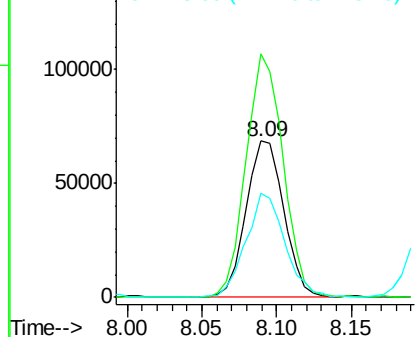
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.09 min Scan# 894  
Delta R.T. -0.01 min  
Lab File: BG023921.D  
Acq: 26 Aug 2016 11:53

Instrument :  
BNA\_G  
ClientSampleId :  
MW-4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.0 | 144.7 | 217.1 |
| 115     | 66.7  | 64.0  | 96.0  |



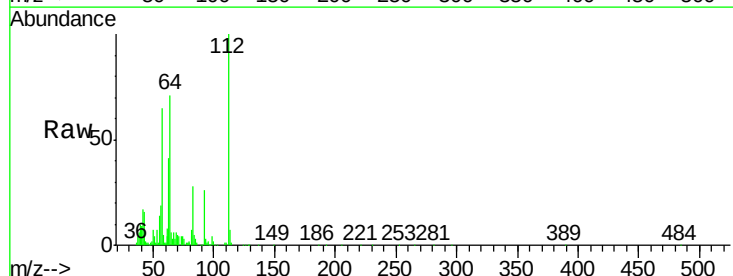
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



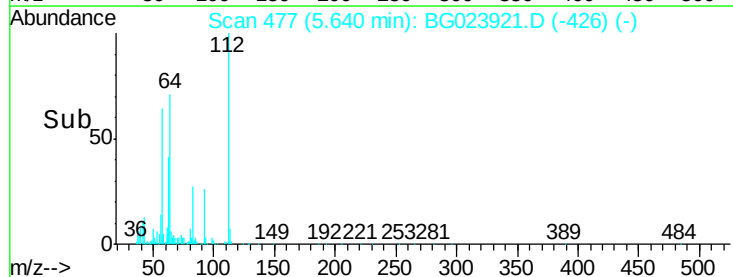
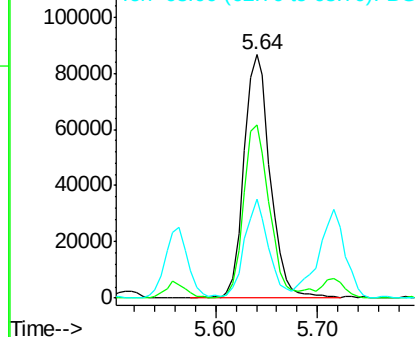
#5

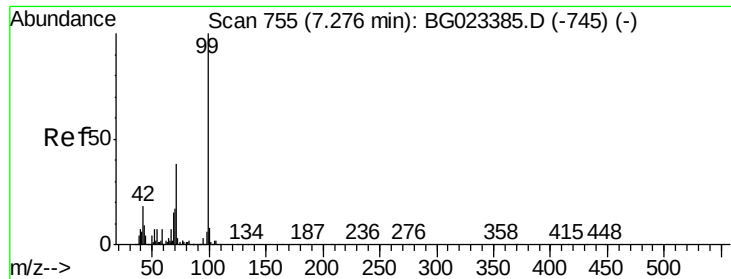
2-Fluorophenol  
Concen: 21.76 ng  
RT: 5.64 min Scan# 477  
Delta R.T. 0.00 min  
Lab File: BG023921.D  
Acq: 26 Aug 2016 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.0  | 59.0  | 88.4  |
| 63      | 40.9  | 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: 16.44 ng

RT: 7.26 min Scan# 753

Delta R.T. 0.01 min

Lab File: BG023921.D

Acq: 26 Aug 2016 11:53

Instrument :

BNA\_G

ClientSampleId :

MW-4

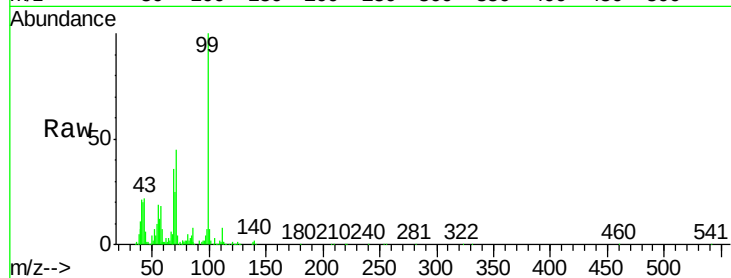
Tgt Ion: 99 Resp: 182782

Ion Ratio Lower Upper

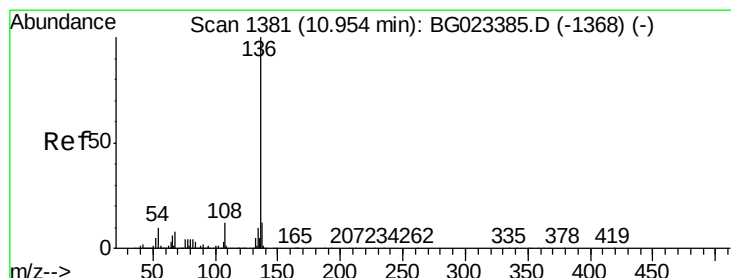
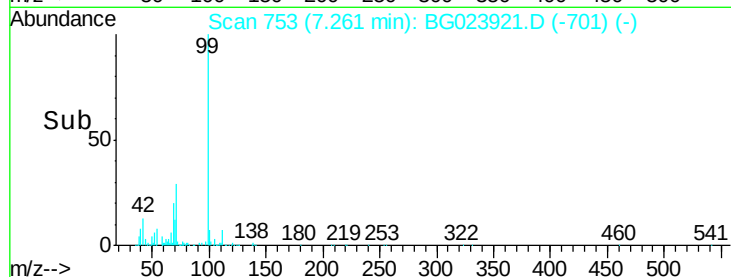
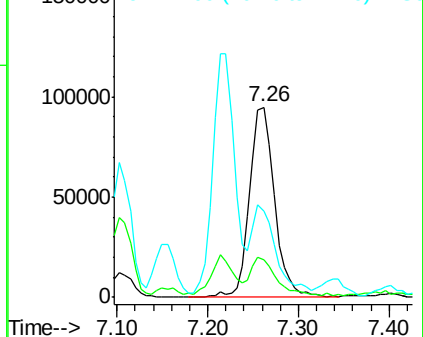
99 100

42 20.0 17.8 26.6

71 45.2 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BG023921.D

Acq: 26 Aug 2016 11:53

Tgt Ion: 136 Resp: 507444

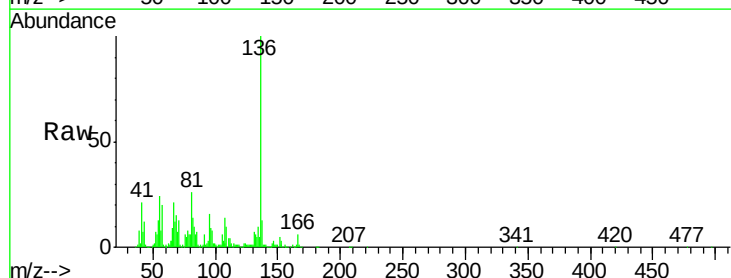
Ion Ratio Lower Upper

136 100

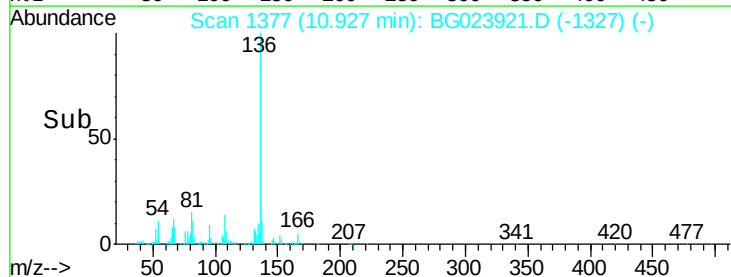
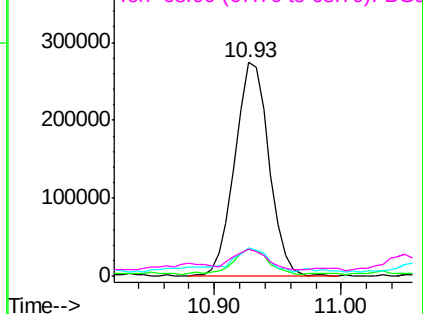
137 12.5 9.6 14.4

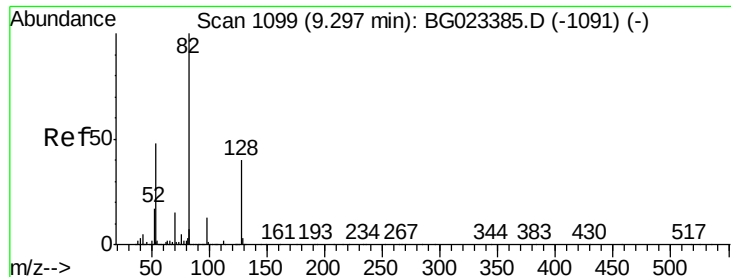
54 13.0 7.3 10.9#

68 12.4 5.3 7.9#



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

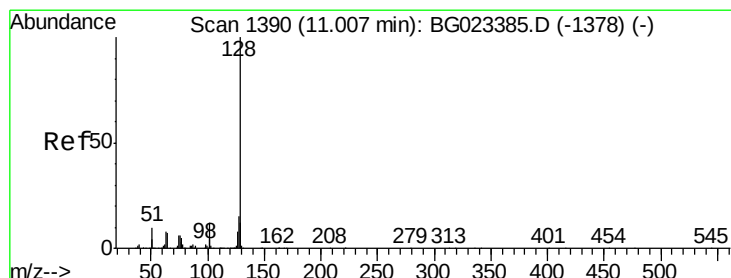
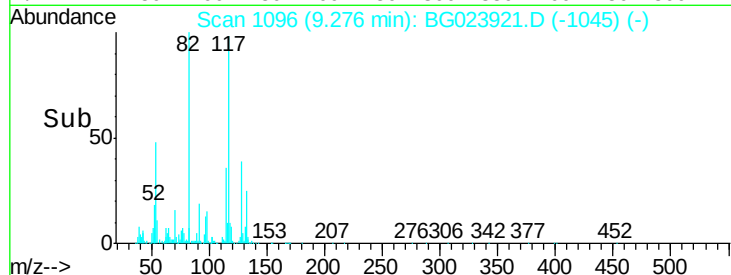
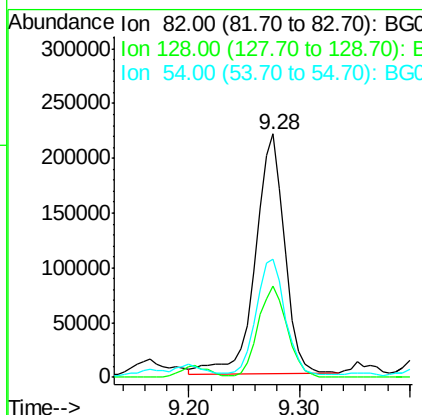
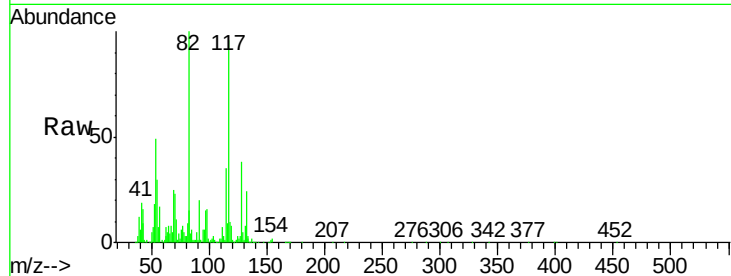




#23  
Nitrobenzene-d5  
Concen: 39.66 ng  
RT: 9.28 min Scan# 1096  
Delta R.T. 0.00 min  
Lab File: BG023921.D  
Acq: 26 Aug 2016 11:53

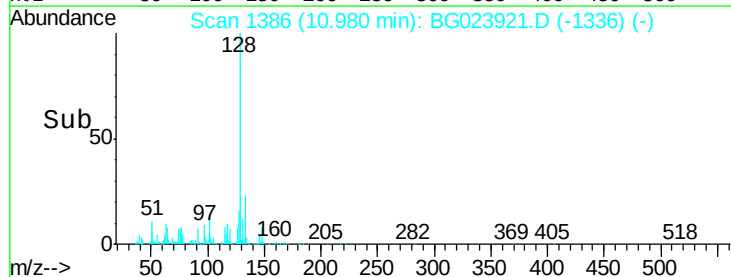
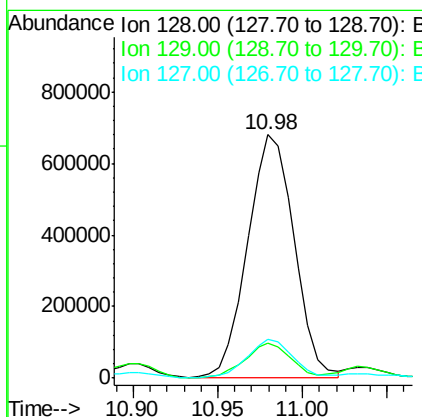
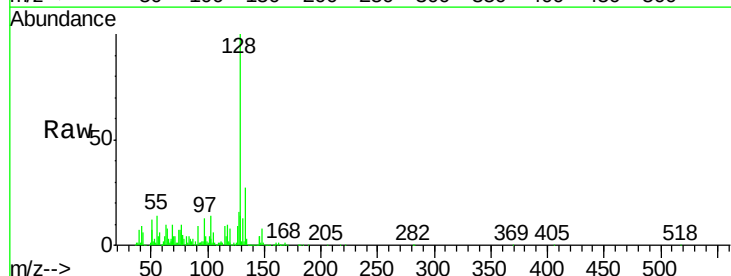
Instrument :  
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MW-4

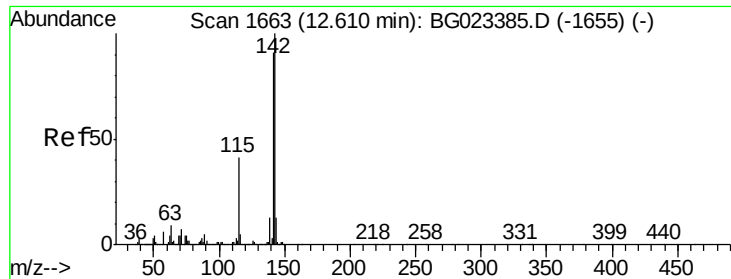
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.7  | 24.4  | 36.6# |
| 54      | 48.5  | 41.4  | 62.0  |



#31  
Naphthalene  
Concen: 50.08 ng  
RT: 10.98 min Scan# 1386  
Delta R.T. -0.01 min  
Lab File: BG023921.D  
Acq: 26 Aug 2016 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 14.5  | 9.4   | 14.0# |
| 127     | 15.9  | 11.3  | 16.9  |

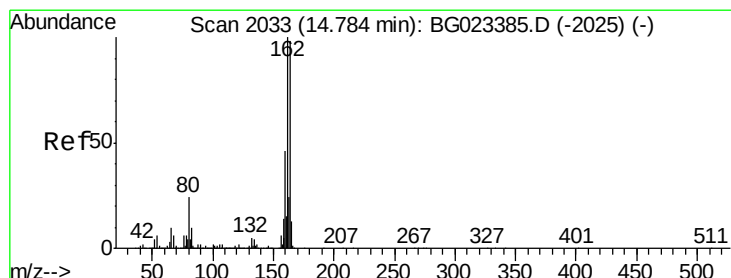
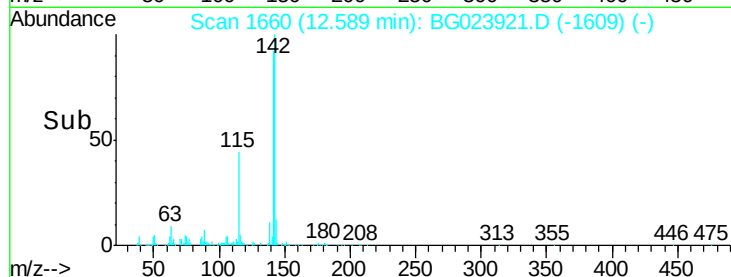
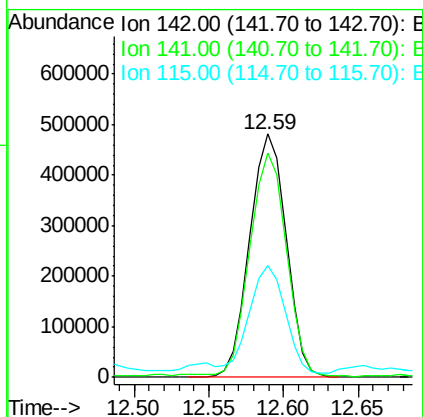
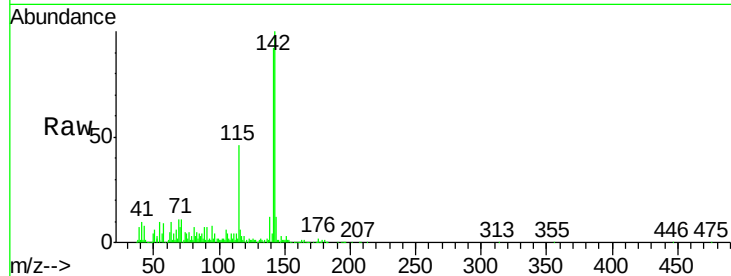




#37  
2-Methylnaphthalene  
Concen: 41.41 ng  
RT: 12.59 min Scan# 1660  
Delta R.T. 0.00 min  
Lab File: BG023921.D  
Acq: 26 Aug 2016 11:53

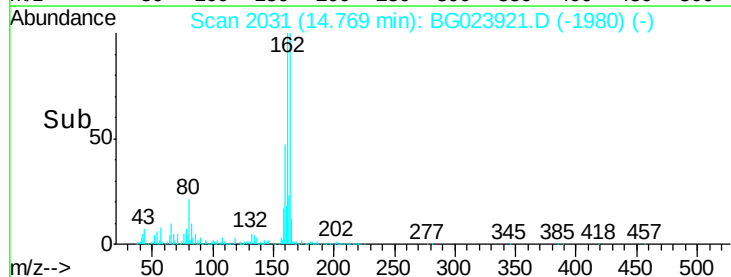
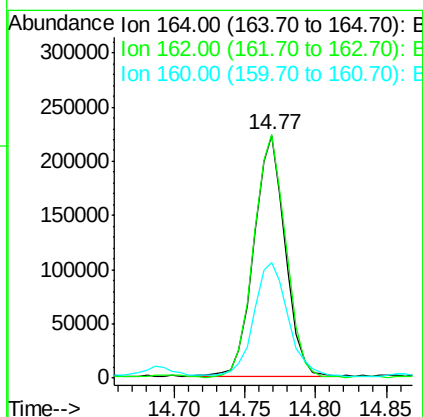
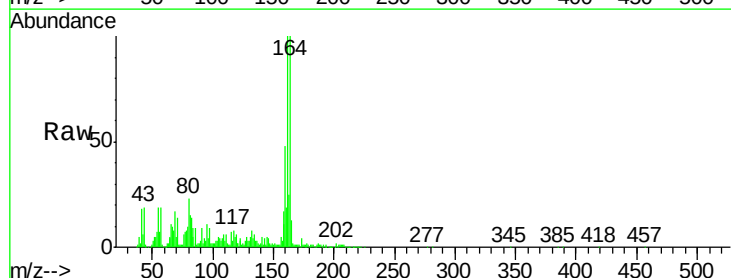
Instrument :  
BNA\_G  
ClientSampleId :  
MW-4

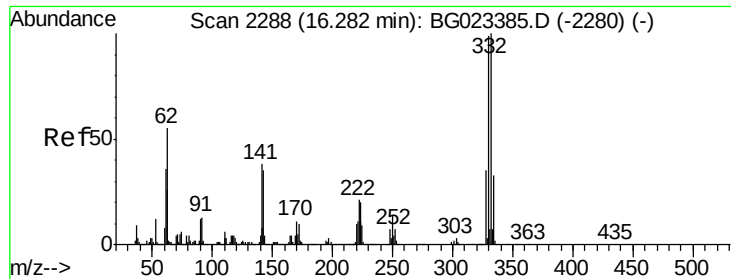
Tgt Ion:142 Resp: 813536  
Ion Ratio Lower Upper  
142 100  
141 92.3 70.2 105.2  
115 45.8 41.7 62.5



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.77 min Scan# 2031  
Delta R.T. 0.00 min  
Lab File: BG023921.D  
Acq: 26 Aug 2016 11:53

Tgt Ion:164 Resp: 343727  
Ion Ratio Lower Upper  
164 100  
162 100.5 87.7 131.5  
160 47.8 37.2 55.8

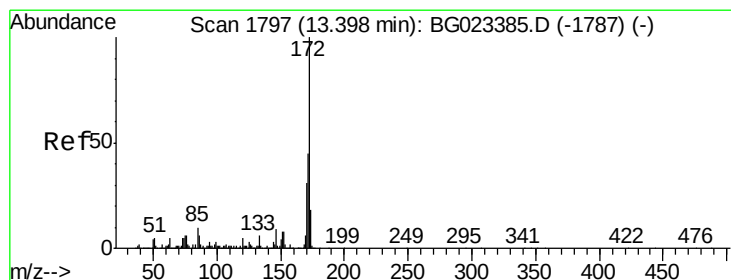
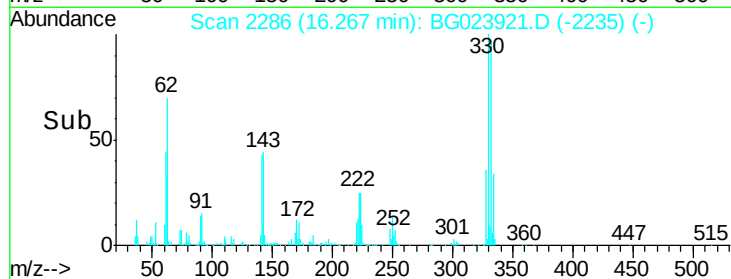
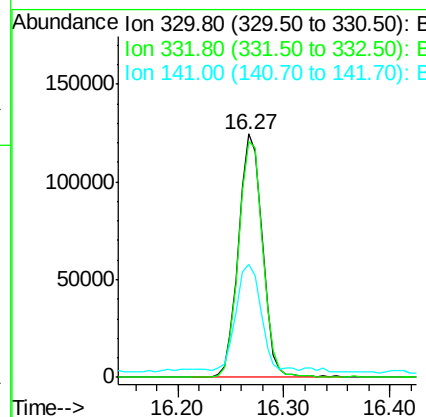
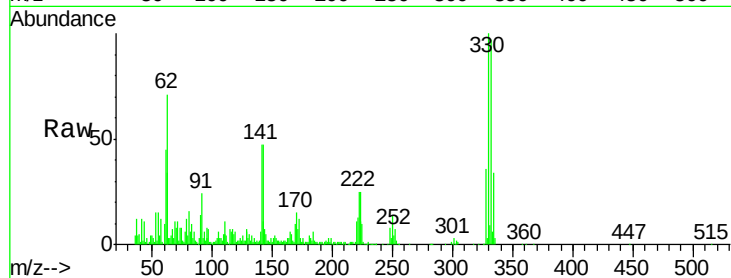




#41  
2,4,6-Tribromophenol  
Concen: 38.45 ng  
RT: 16.27 min Scan# 2286  
Delta R.T. 0.00 min  
Lab File: BG023921.D  
Acq: 26 Aug 2016 11:53

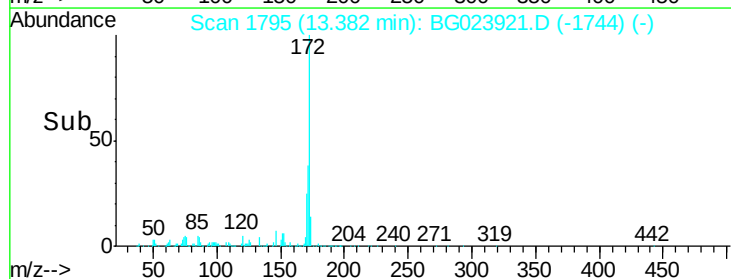
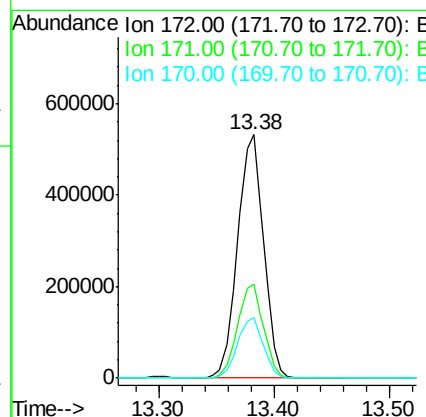
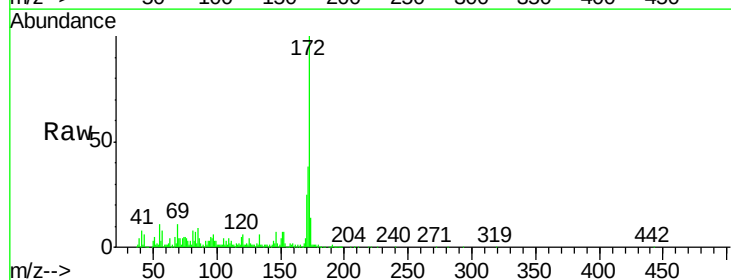
Instrument :  
BNA\_G  
ClientSampleId :  
MW-4

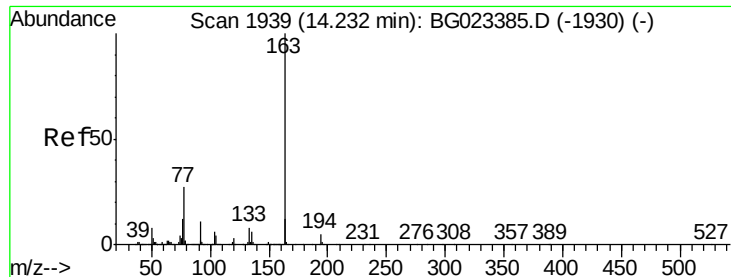
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.5  | 77.4  | 116.2 |
| 141     | 46.7  | 31.7  | 47.5  |



#44  
2-Fluorobiphenyl  
Concen: 40.67 ng  
RT: 13.38 min Scan# 1795  
Delta R.T. 0.00 min  
Lab File: BG023921.D  
Acq: 26 Aug 2016 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 31.6  | 47.4  |
| 170     | 25.0  | 21.3  | 31.9  |





#49

Dimethylphthalate

Concen: 23.07 ng

RT: 14.21 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG023921.D

Acq: 26 Aug 2016 11:53

Instrument :

BNA\_G

ClientSampleId :

MW-4

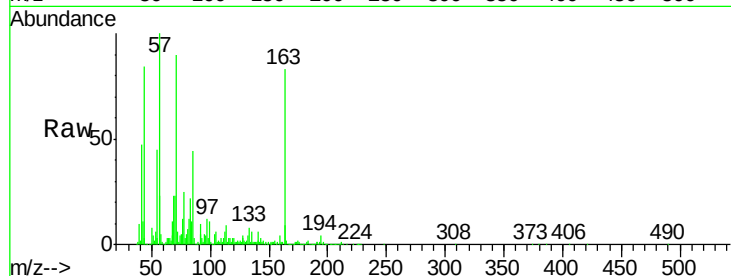
Tgt Ion:163 Resp: 608318

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

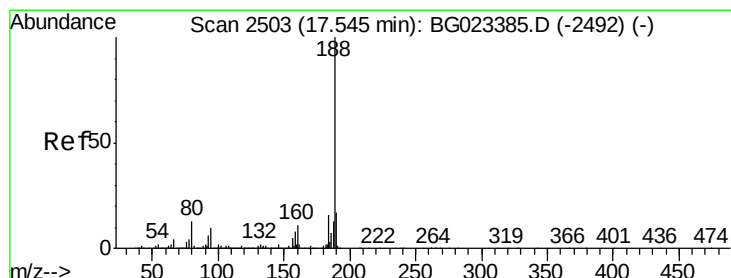
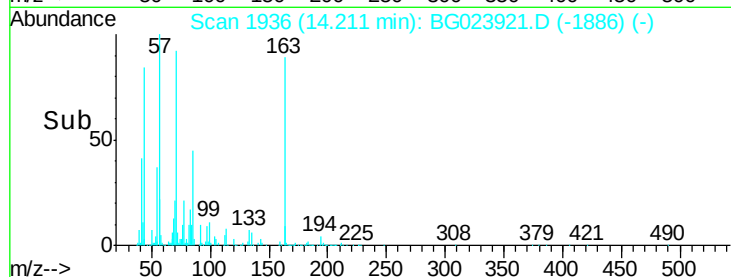
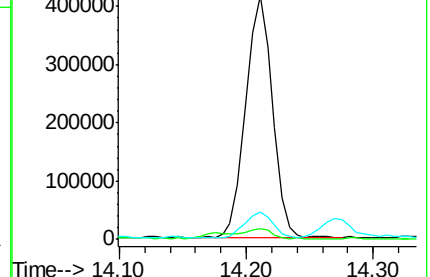
164 11.3 8.1 12.1



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: 17.53 min Scan# 2501

Delta R.T. 0.00 min

Lab File: BG023921.D

Acq: 26 Aug 2016 11:53

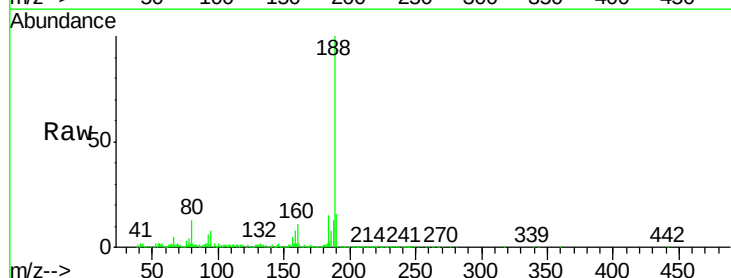
Tgt Ion:188 Resp: 772709

Ion Ratio Lower Upper

188 100

94 8.4 5.2 7.8#

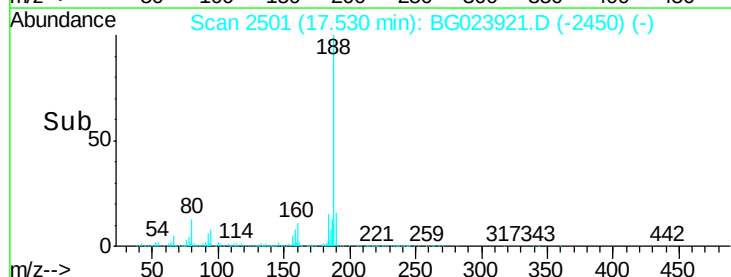
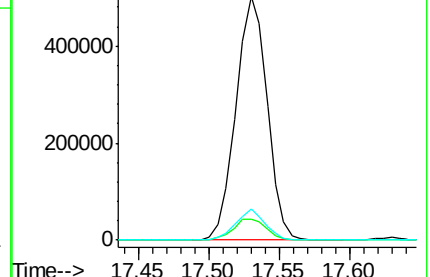
80 12.9 7.2 10.8#



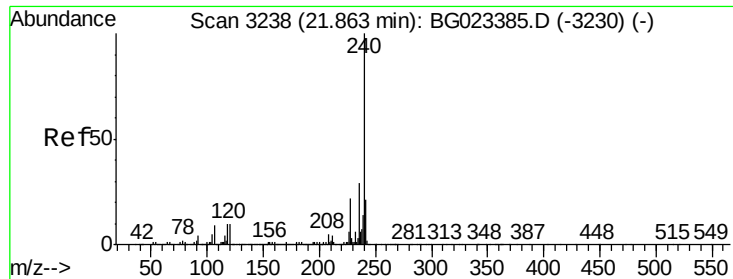
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC







#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3235

Delta R.T. -0.01 min

Lab File: BG023921.D

Acq: 26 Aug 2016 11:53

Instrument :

BNA\_G

ClientSampleId :

MW-4

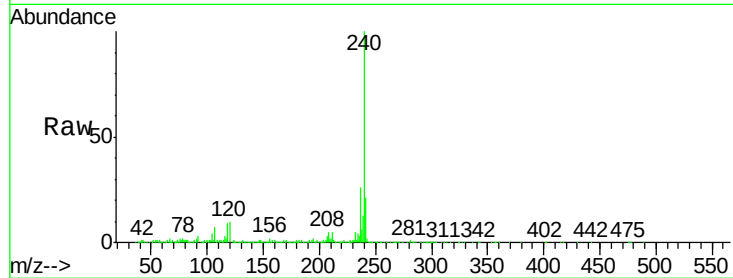
Tgt Ion:240 Resp: 834868

Ion Ratio Lower Upper

240 100

120 9.7 4.1 6.1#

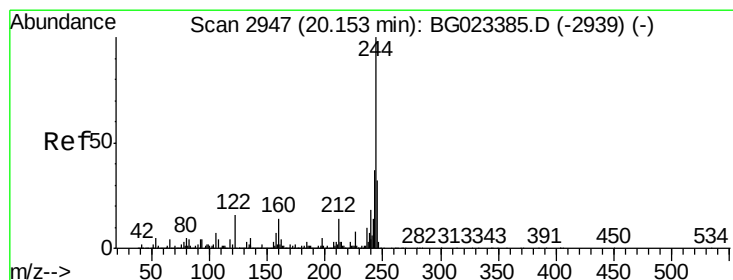
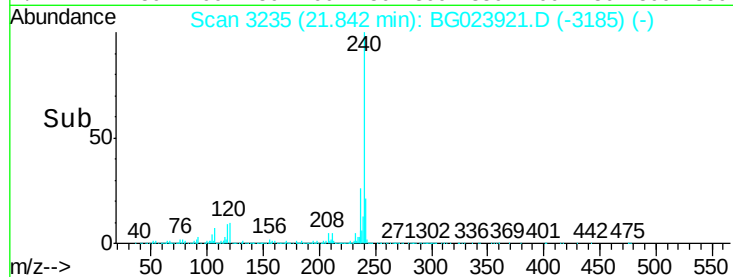
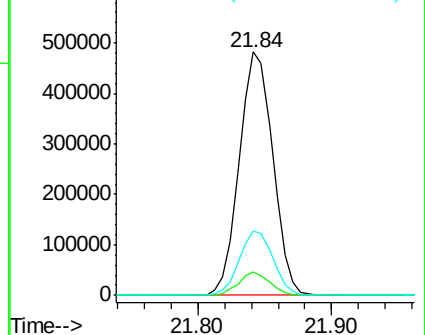
236 26.4 21.1 31.7



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: 38.79 ng

RT: 20.14 min Scan# 2945

Delta R.T. 0.00 min

Lab File: BG023921.D

Acq: 26 Aug 2016 11:53

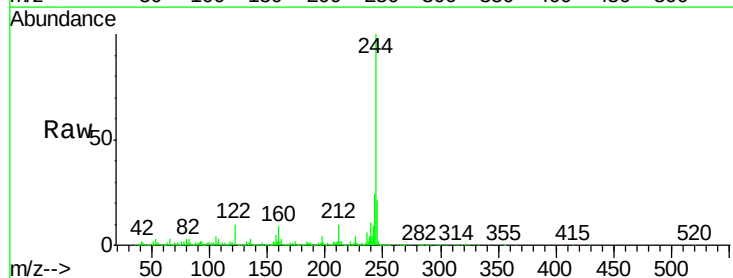
Tgt Ion:244 Resp: 1186975

Ion Ratio Lower Upper

244 100

212 9.8 10.8 16.2#

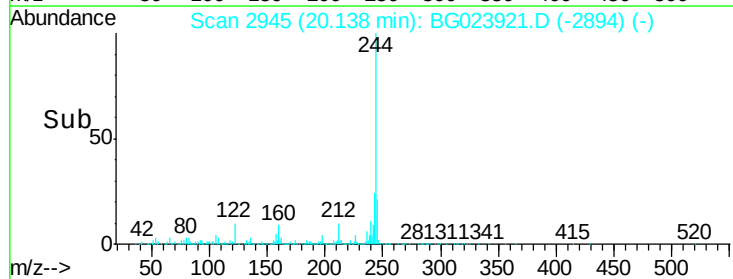
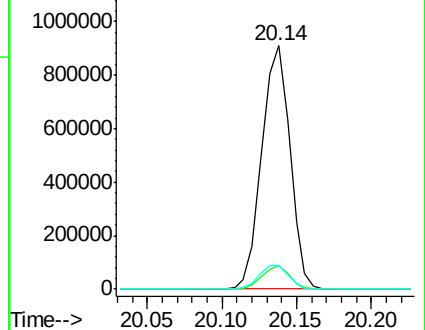
122 9.7 8.0 12.0

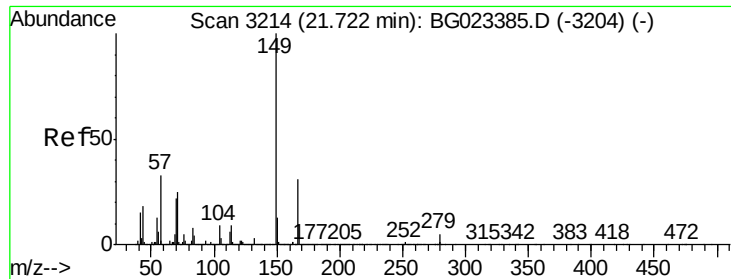


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

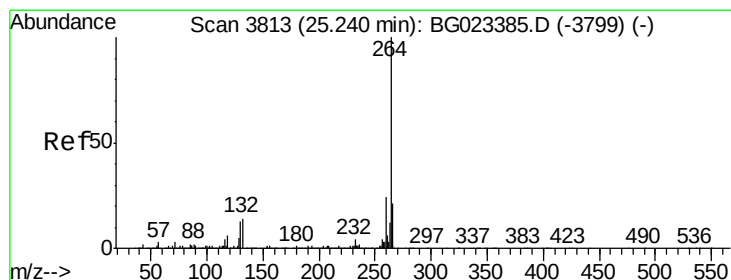
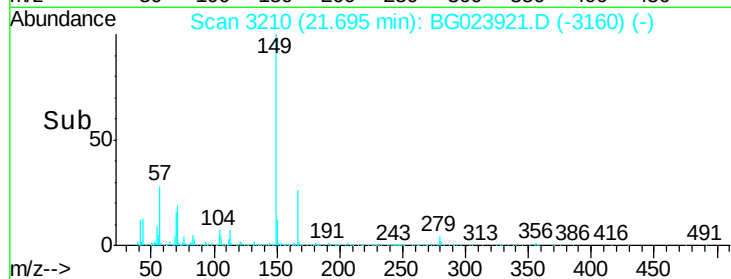
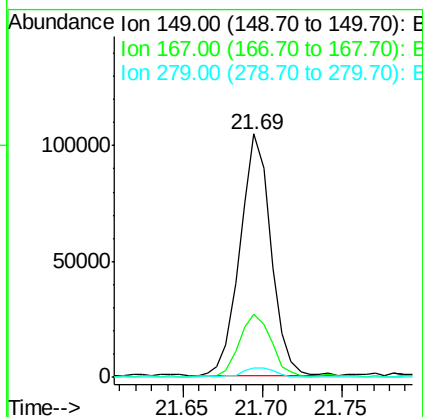
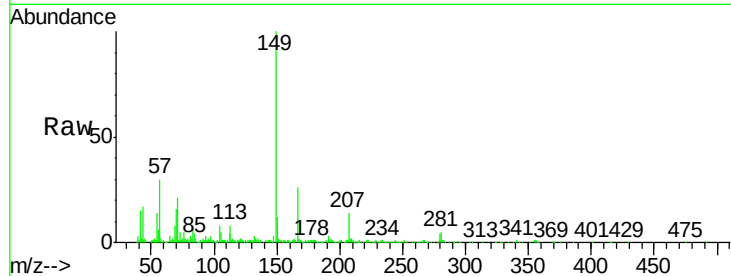




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 5.13 ng  
 RT: 21.69 min Scan# 3210  
 Delta R.T. -0.01 min  
 Lab File: BG023921.D  
 Acq: 26 Aug 2016 11:53

Instrument :  
 BNA\_G  
 ClientSampled :  
 MW-4

Tgt Ion:149 Resp: 141092  
 Ion Ratio Lower Upper  
 149 100  
 167 26.0 24.0 36.0  
 279 3.8 4.8 7.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.23 min Scan# 3811  
 Delta R.T. 0.00 min  
 Lab File: BG023921.D  
 Acq: 26 Aug 2016 11:53

Tgt Ion:264 Resp: 830952  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.4 27.6  
 265 22.5 18.9 28.3

