

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082416\  
 Data File : BG023885.D  
 Acq On : 24 Aug 2016 15:35  
 Operator : UM/SJ  
 Sample : H4567-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-1

Quant Time: Aug 24 17:51:06 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 24 17:42:04 2016  
 Response via : Initial Calibration

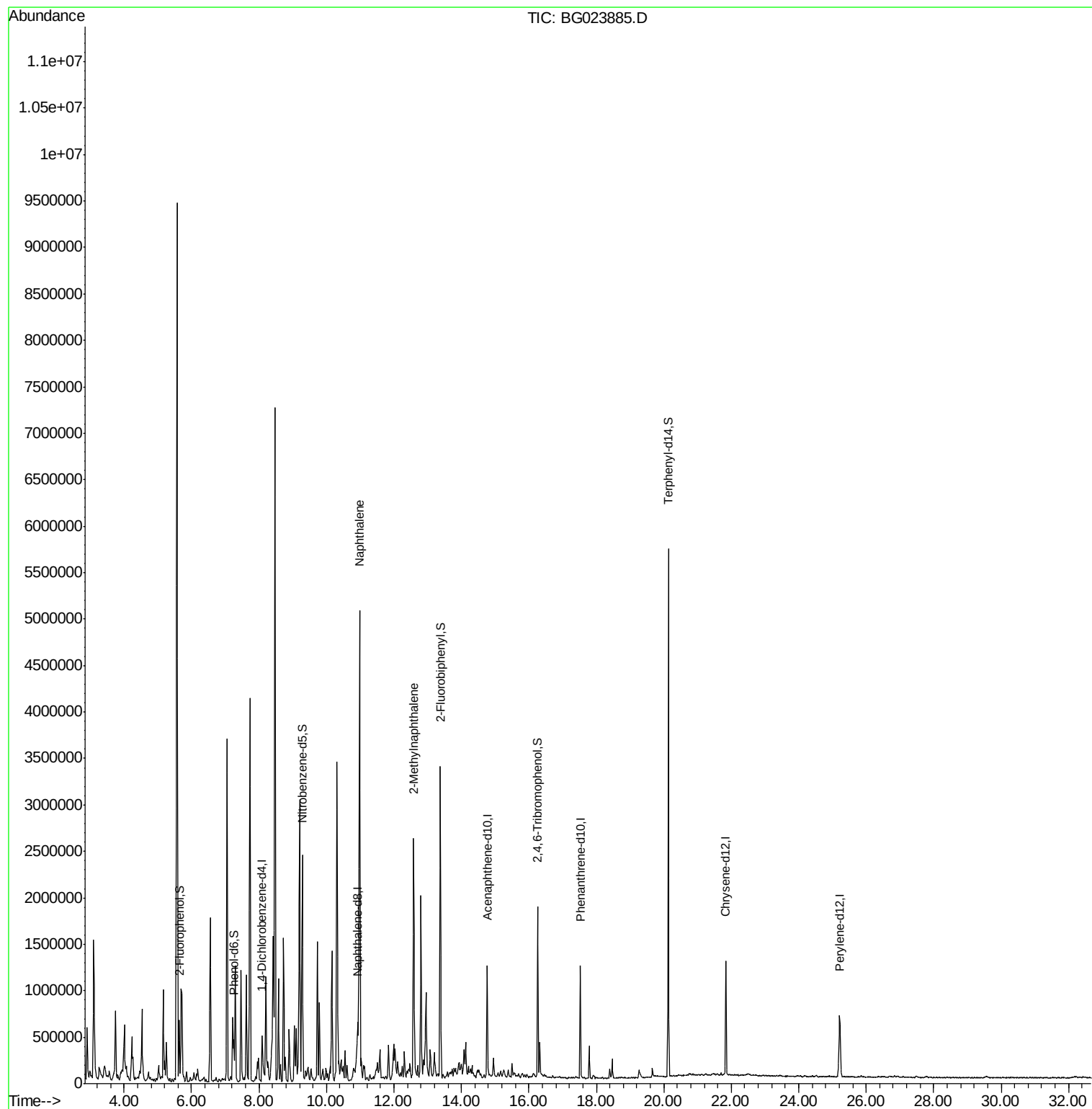
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 123420   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.93 | 136  | 506624   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10        | 14.76 | 164  | 317434   | 20.00  | ng    | 0.00        |
| 63) Phenanthrene-d10        | 17.53 | 188  | 709176   | 20.00  | ng    | 0.00        |
| 75) Chrysene-d12            | 21.84 | 240  | 755861   | 20.00  | ng    | 0.00        |
| 86) Perylene-d12            | 25.22 | 264  | 740394   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.64  | 112  | 279804   | 38.16  | ng    | 0.00        |
| 7) Phenol-d6                | 7.25  | 99   | 268601   | 23.52  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 837187   | 82.15  | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 16.26 | 330  | 305247   | 65.74  | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 1643040  | 87.30  | ng    | 0.00        |
| 78) Terphenyl-d14           | 20.13 | 244  | 2088407  | 86.89  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 31) Naphthalene             | 10.98 | 128  | 3520742  | 136.47 | ng    | Qvalue # 87 |
| 37) 2-Methylnaphthalene     | 12.59 | 142  | 1183960  | 60.36  | ng    | 93          |

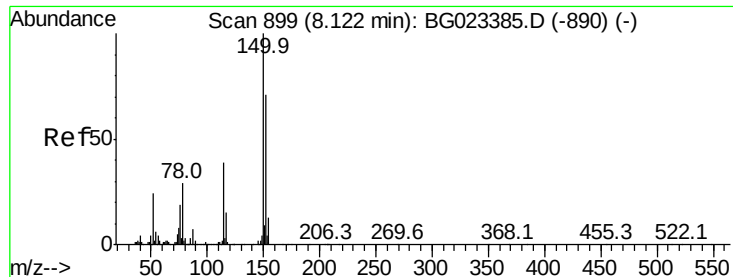
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 24 17:42:04 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.09 min Scan# 894

Delta R.T. -0.00 min

Lab File: BG023385.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA\_G

ClientSampleId :

MW-1

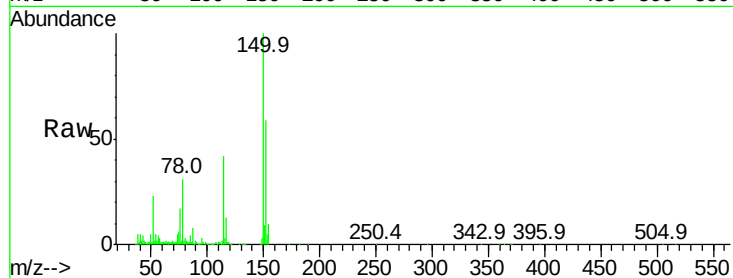
Tot Ion:152 Resp: 123420

Ion Ratio Lower Upper

152 100

150 169.4 144.7 217.1

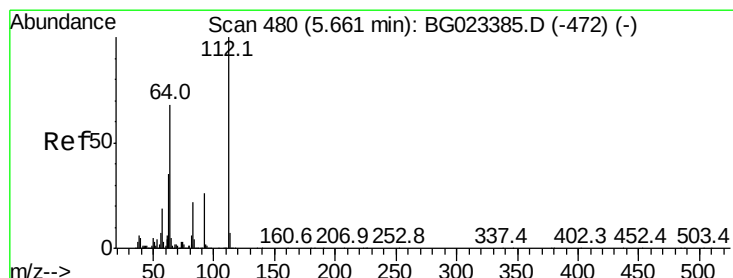
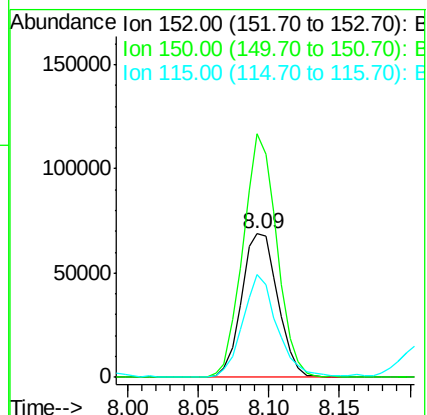
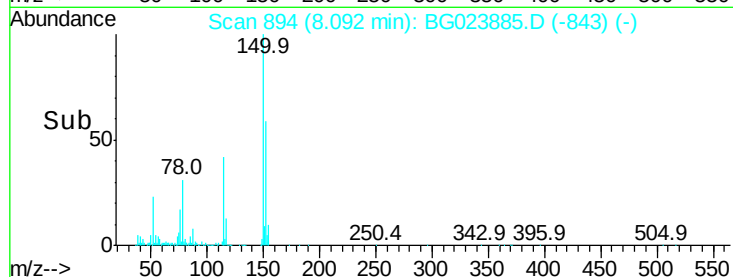
115 71.3 64.0 96.0



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: 38.16 ng

RT: 5.64 min Scan# 476

Delta R.T. -0.00 min

Lab File: BG023385.D

Acq: 24 Aug 2016 15:35

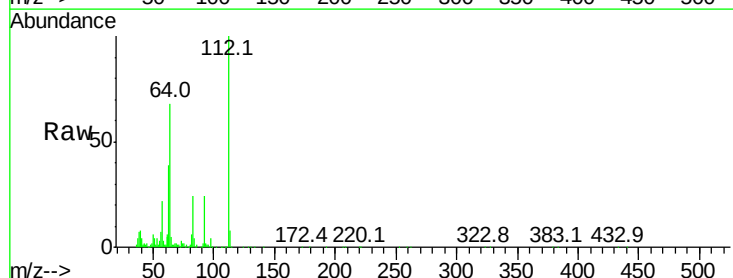
Tgt Ion:112 Resp: 279804

Ion Ratio Lower Upper

112 100

64 67.9 59.0 88.4

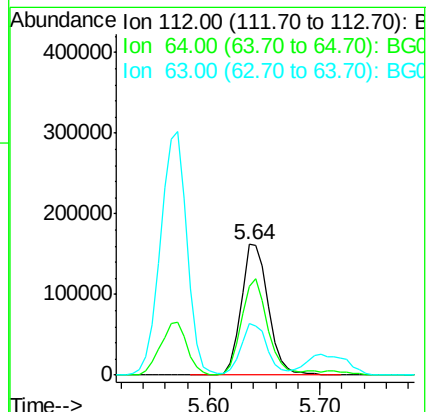
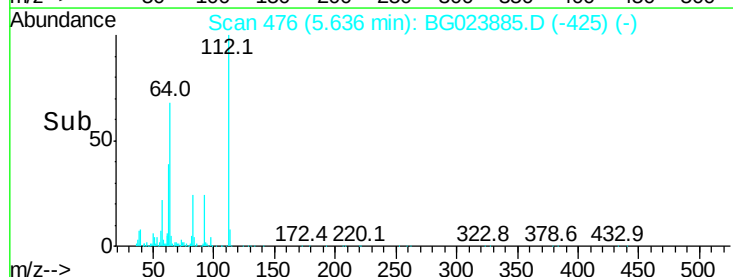
63 39.0 37.8 56.8

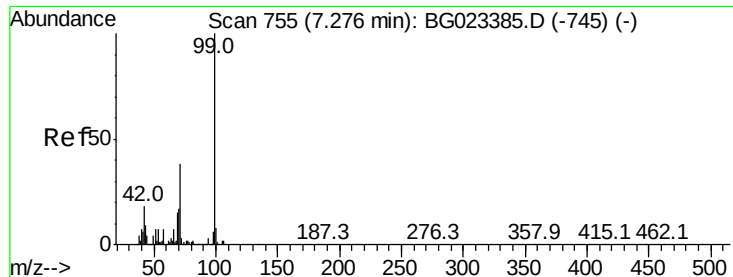


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 23.52 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.00 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA\_G

ClientSampleId :

MW-1

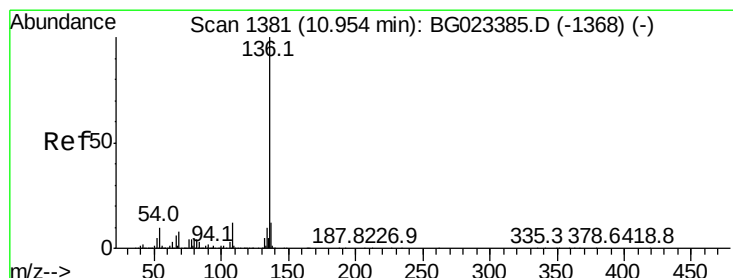
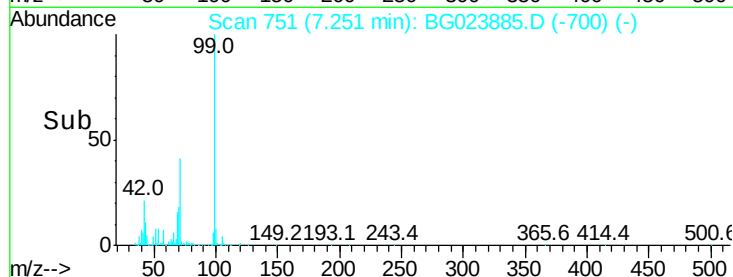
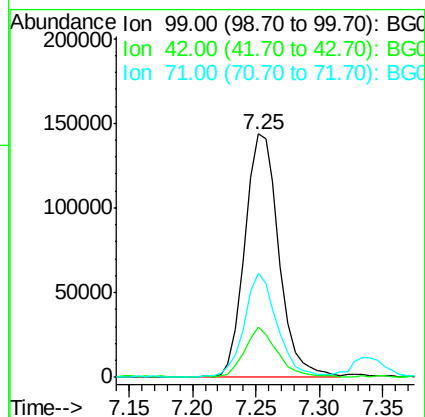
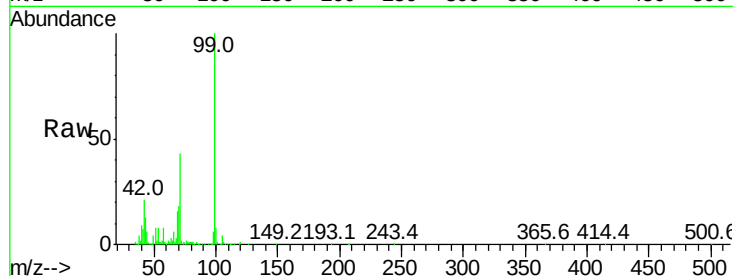
Tot Ion: 99 Resp: 268601

Ion Ratio Lower Upper

99 100

42 20.8 17.8 26.6

71 42.5 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 1377

Delta R.T. -0.00 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

Tgt Ion: 136 Resp: 506624

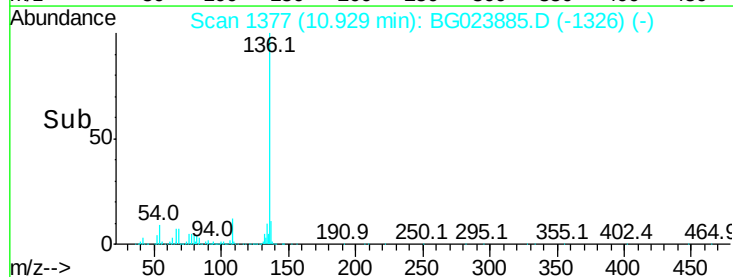
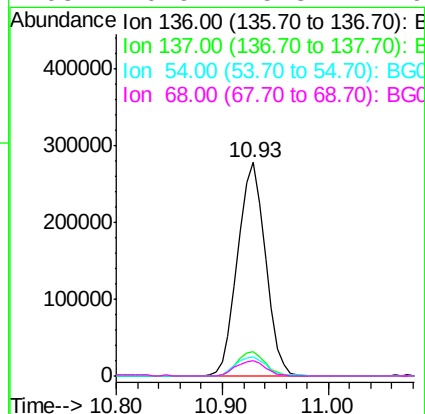
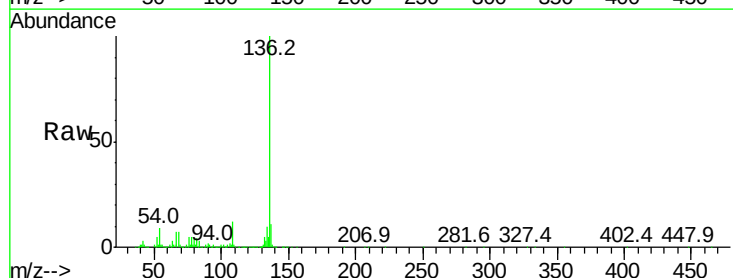
Ion Ratio Lower Upper

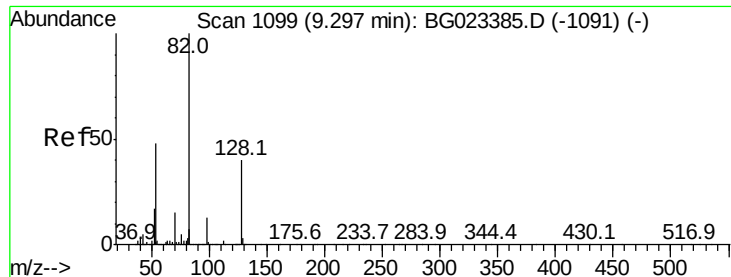
136 100

137 11.3 9.6 14.4

54 9.1 7.3 10.9

68 6.9 5.3 7.9

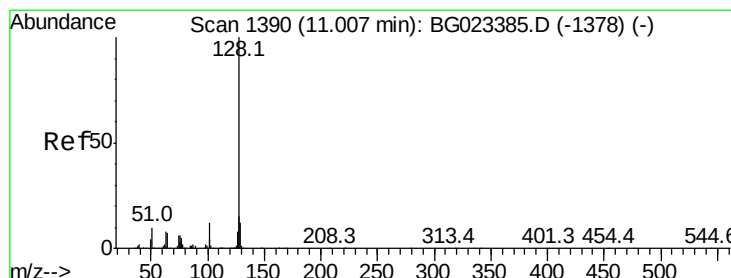
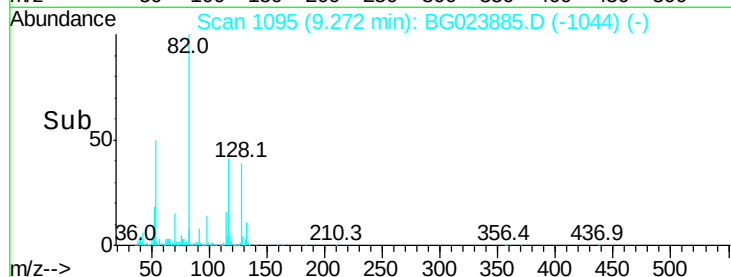
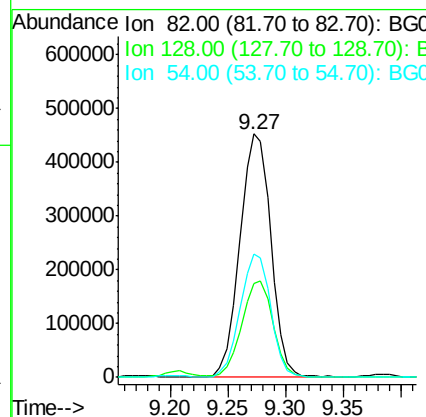
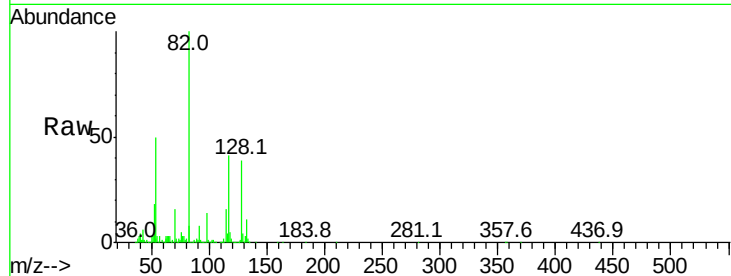




#23  
 Nitrobenzene-d5  
 Concen: 82.15 ng  
 RT: 9.27 min Scan# 1095  
 Delta R.T. -0.00 min  
 Lab File: BG023885.D  
 Acq: 24 Aug 2016 15:35

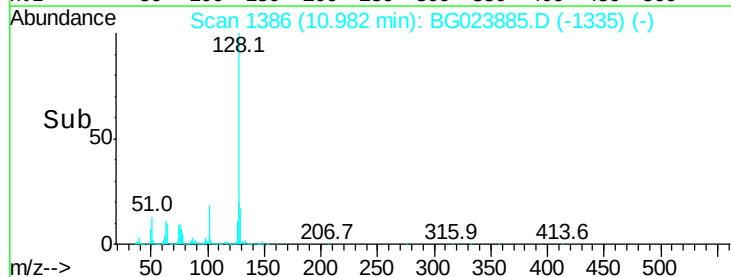
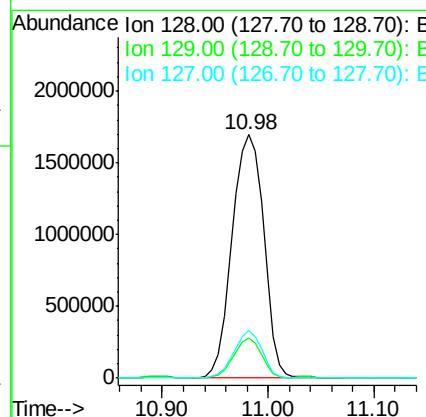
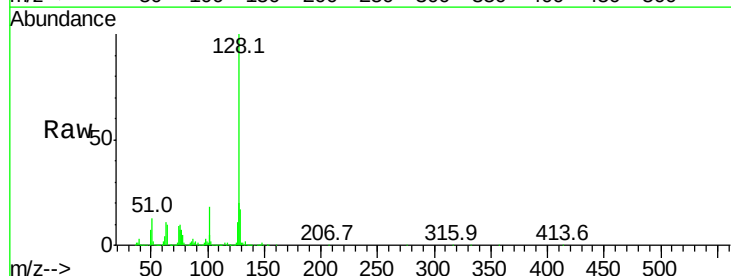
Instrument :  
 BNA\_G  
 ClientSampled :  
 MW-1

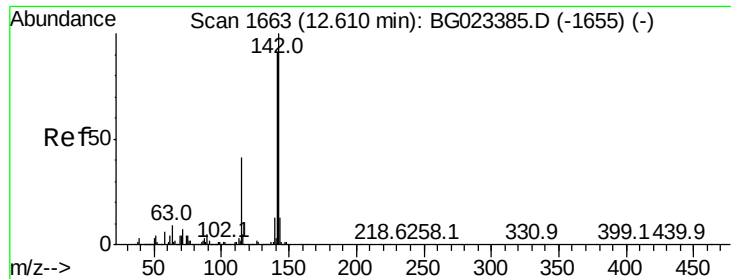
Tot Ion: 82 Resp: 837187  
 Ion Ratio Lower Upper  
 82 100  
 128 38.6 24.4 36.6#  
 54 50.5 41.4 62.0



#31  
 Naphthalene  
 Concen: 136.47 ng  
 RT: 10.98 min Scan# 1386  
 Delta R.T. -0.00 min  
 Lab File: BG023885.D  
 Acq: 24 Aug 2016 15:35

Tgt Ion:128 Resp: 3520742  
 Ion Ratio Lower Upper  
 128 100  
 129 16.6 9.4 14.0#  
 127 19.7 11.3 16.9#



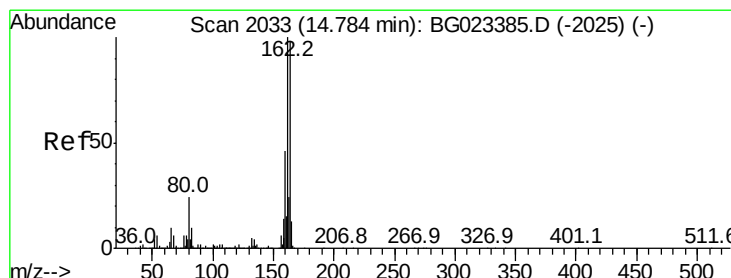
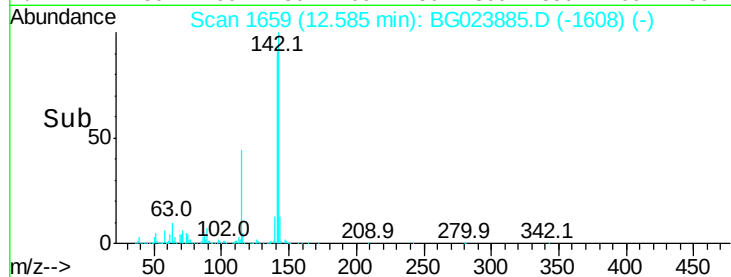
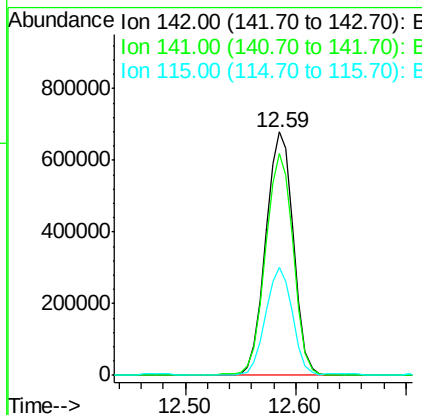
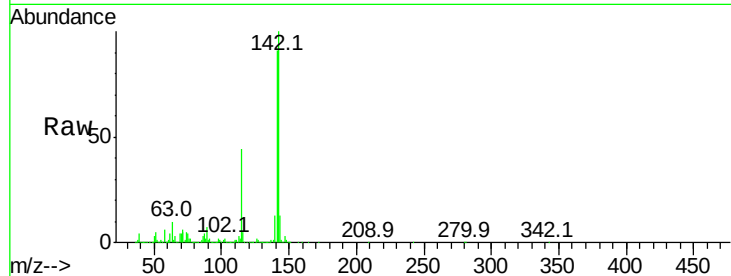


#37  
 2-Methylnaphthalene  
 Concen: 60.36 ng  
 RT: 12.59 min Scan# 1659  
 Delta R.T. -0.00 min  
 Lab File: BG023885.D  
 Acq: 24 Aug 2016 15:35

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-1

Tot Ion:142 Resp: 1183960  

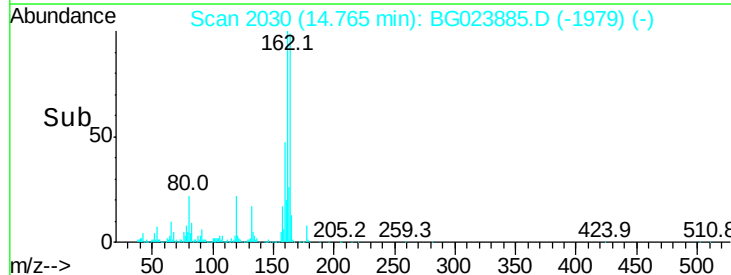
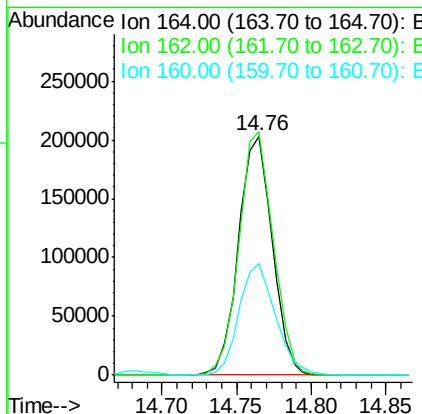
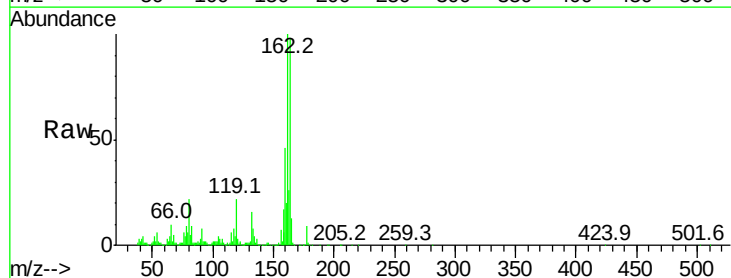
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 91.3  | 70.2  | 105.2 |
| 115 | 44.2  | 41.7  | 62.5  |

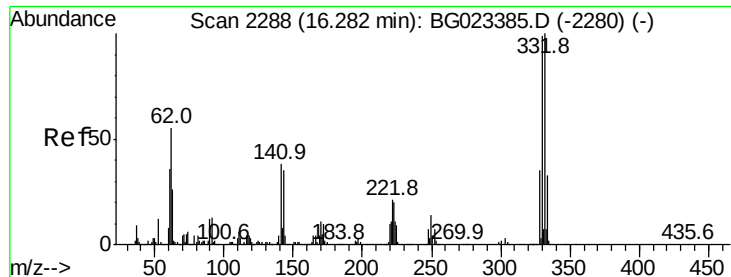


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.76 min Scan# 2030  
 Delta R.T. -0.00 min  
 Lab File: BG023885.D  
 Acq: 24 Aug 2016 15:35

Tgt Ion:164 Resp: 317434  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.8 | 87.7  | 131.5 |
| 160 | 46.9  | 37.2  | 55.8  |

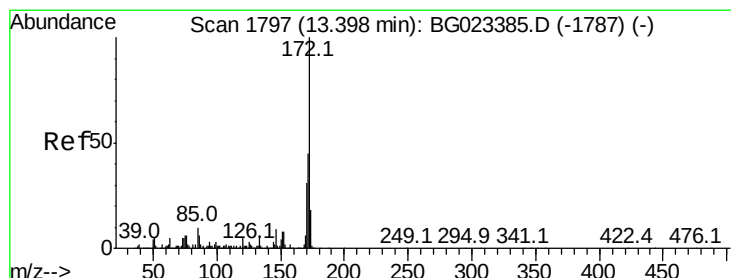
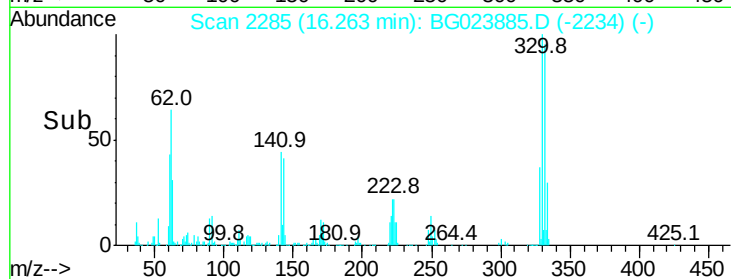
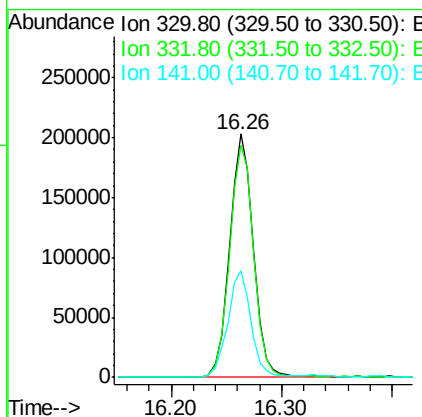
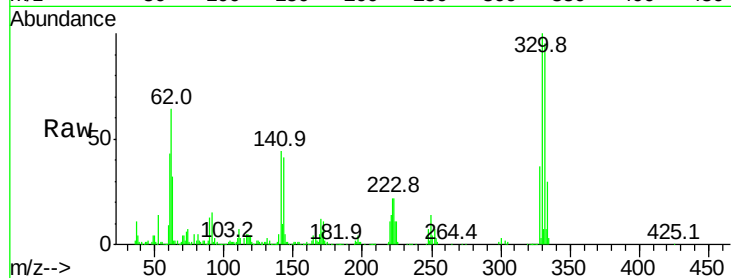




#41  
 2,4,6-Tribromophenol  
 Concen: 65.74 ng  
 RT: 16.26 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: BG023885.D  
 Acq: 24 Aug 2016 15:35

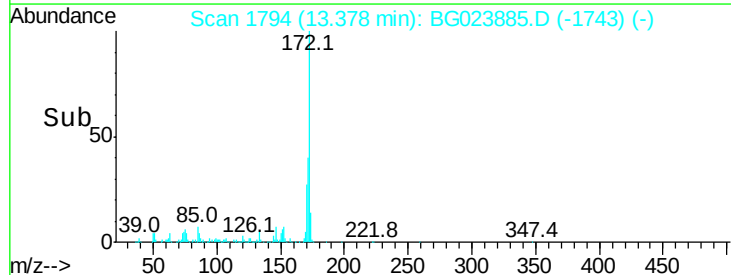
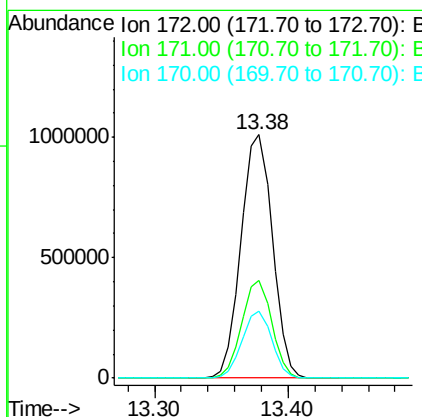
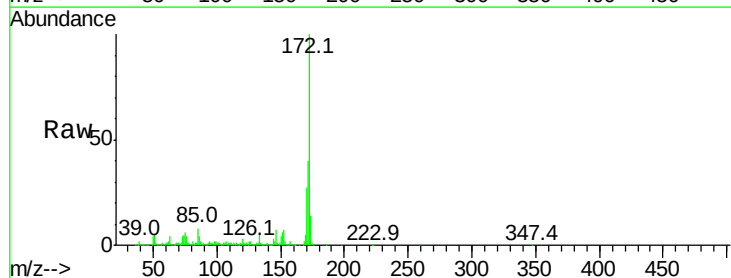
Instrument :  
 BNA\_G  
 ClientSampled :  
 MW-1

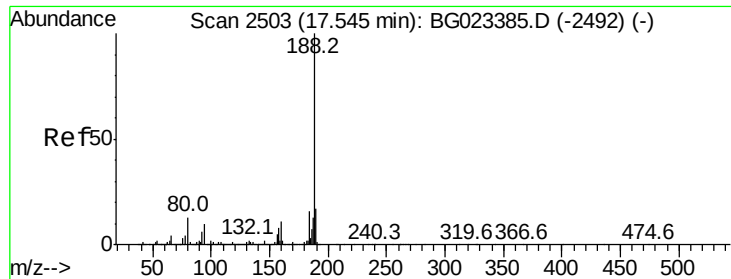
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.4  | 116.2 |
| 141     | 43.3  | 31.7  | 47.5  |



#44  
 2-Fluorobiphenyl  
 Concen: 87.30 ng  
 RT: 13.38 min Scan# 1794  
 Delta R.T. -0.00 min  
 Lab File: BG023885.D  
 Acq: 24 Aug 2016 15:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.9  | 31.6  | 47.4  |
| 170     | 27.3  | 21.3  | 31.9  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.00 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA\_G

ClientSampleId :

MW-1

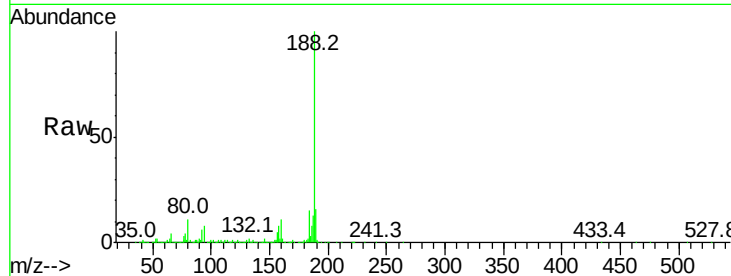
Tot Ion:188 Resp: 709176

Ion Ratio Lower Upper

188 100

94 7.7 5.2 7.8

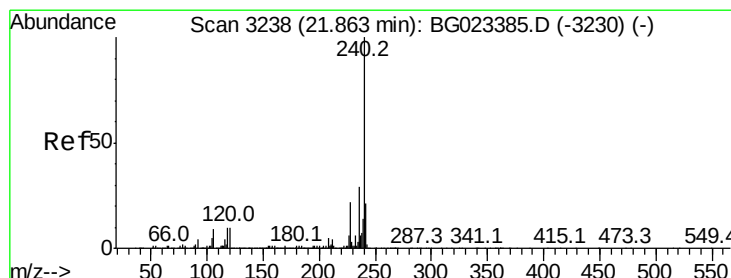
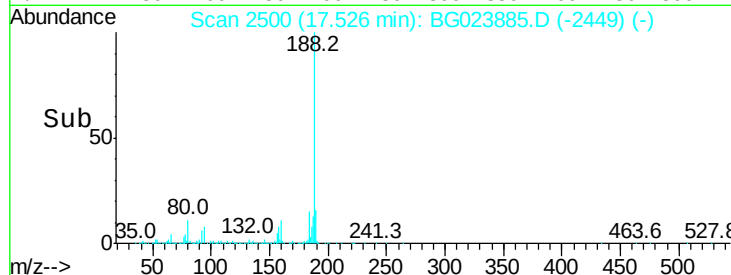
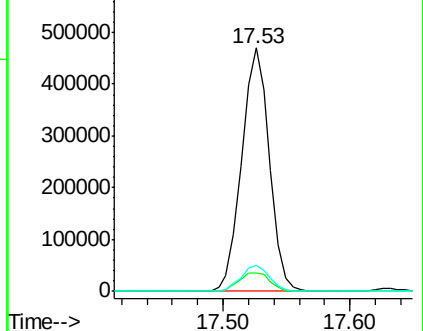
80 10.9 7.2 10.8#



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# 3234

Delta R.T. -0.01 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

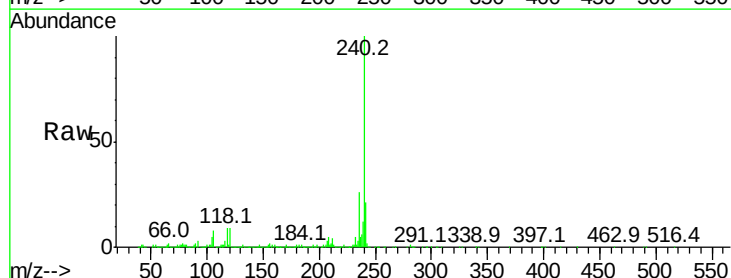
Tgt Ion:240 Resp: 755861

Ion Ratio Lower Upper

240 100

120 9.5 4.1 6.1#

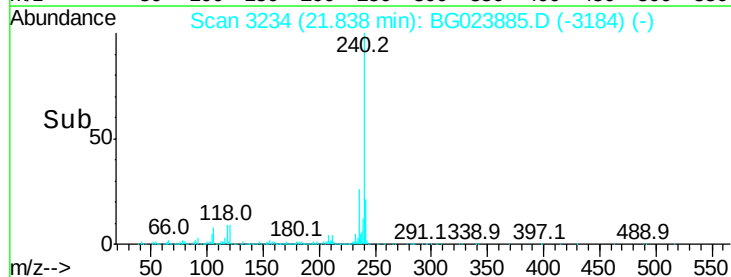
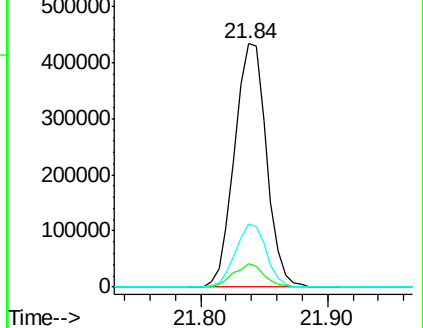
236 26.0 21.1 31.7



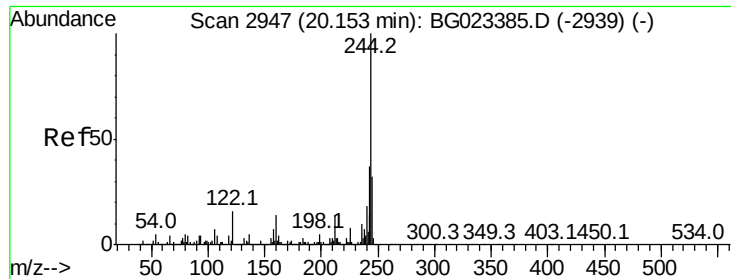
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





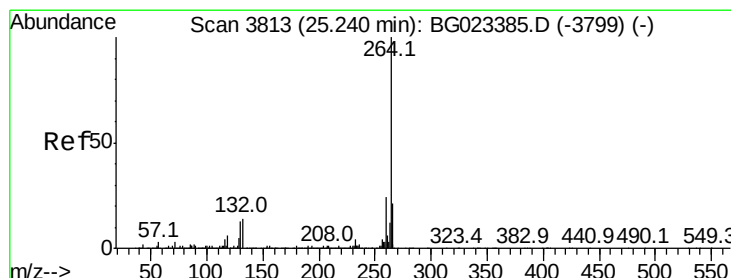
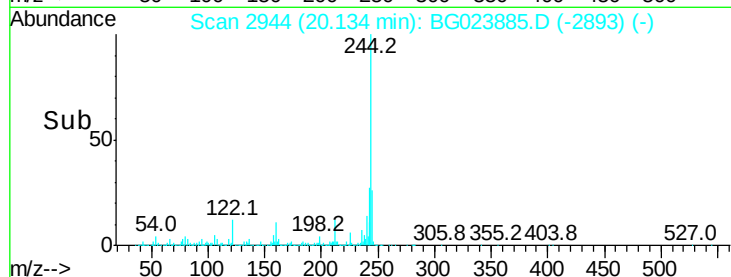
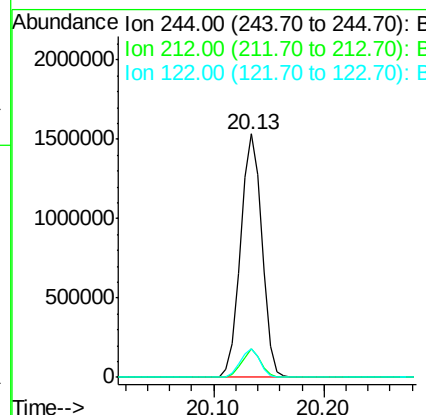
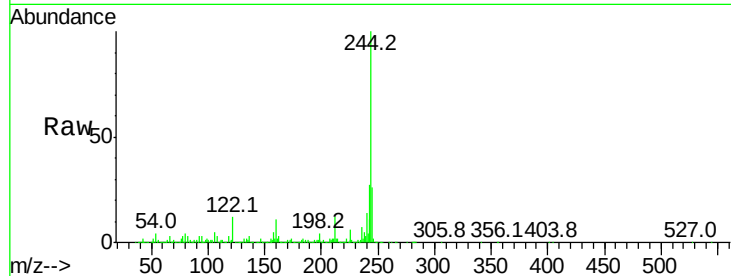


#78  
 Terphenyl-d14  
 Concen: 86.89 ng  
 RT: 20.13 min Scan# 2944  
 Delta R.T. -0.00 min  
 Lab File: BG023885.D  
 Acq: 24 Aug 2016 15:35

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-1

Tot Ion:244 Resp: 2088407

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 11.7  | 10.8  | 16.2  |
| 122 | 11.9  | 8.0   | 12.0  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.22 min Scan# 3809  
 Delta R.T. -0.01 min  
 Lab File: BG023885.D  
 Acq: 24 Aug 2016 15:35

Tgt Ion:264 Resp: 740394

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 18.4  | 27.6  |
| 265 | 22.1  | 18.9  | 28.3  |

