

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\  
 Data File : BG022230.D  
 Acq On : 8 Jun 2016 10:03  
 Operator : UM/SJ  
 Sample : H3425-05  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP16-LF2MW2

Quant Time: Jun 08 17:05:52 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 06 16:12:45 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 20041    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.93 | 136  | 98639    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.75 | 164  | 67537    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.49 | 188  | 174113   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.76 | 240  | 171613   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.06 | 264  | 167319   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 73569    | 70.98  | ng    | 0.00     |
| 7) Phenol-d6                | 7.27  | 99   | 64602    | 39.64  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 135766   | 95.96  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 114279   | 149.75 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 398359   | 89.89  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.08 | 244  | 745891   | 103.19 | ng    | 0.00     |

Target Compounds Qvalue

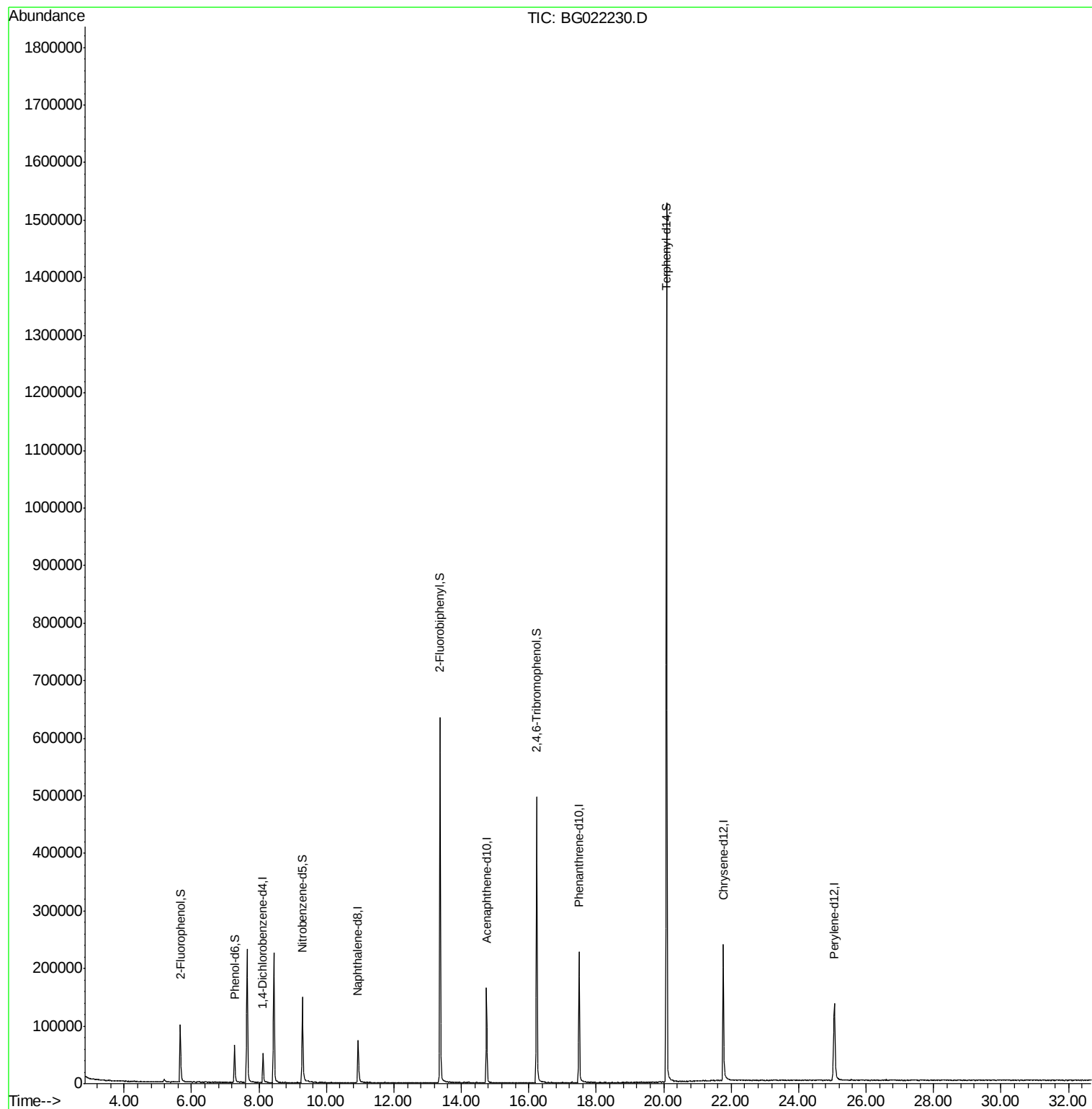
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 06 16:12:45 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG022230.D

Acq: 8 Jun 2016 10:03

Instrument :

BNA\_G

ClientSampleId :

SP16-LF2MW2

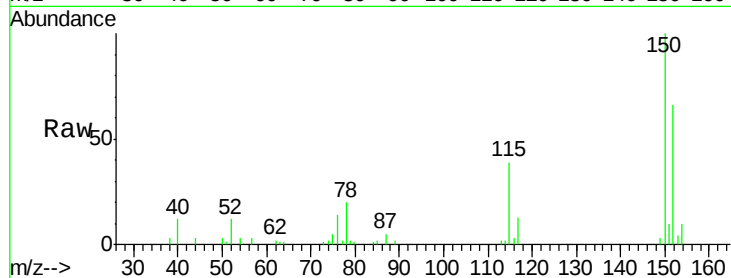
Tot Ion:152 Resp: 20041

Ion Ratio Lower Upper

152 100

150 151.9 130.1 195.1

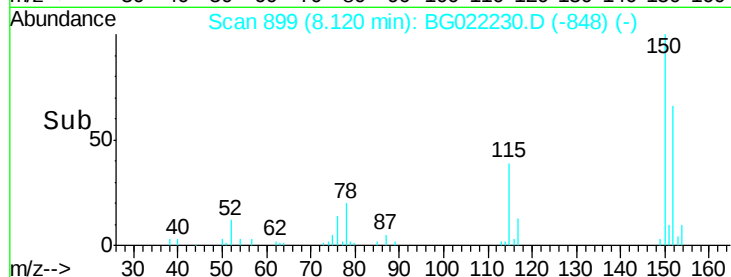
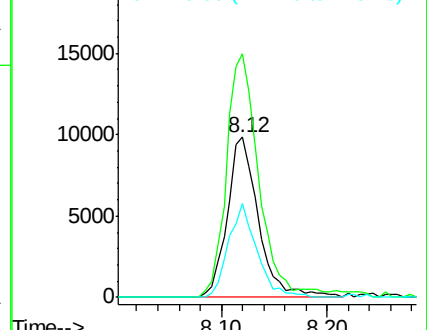
115 58.5 62.2 93.2#



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: 70.98 ng

RT: 5.66 min Scan# 481

Delta R.T. -0.00 min

Lab File: BG022230.D

Acq: 8 Jun 2016 10:03

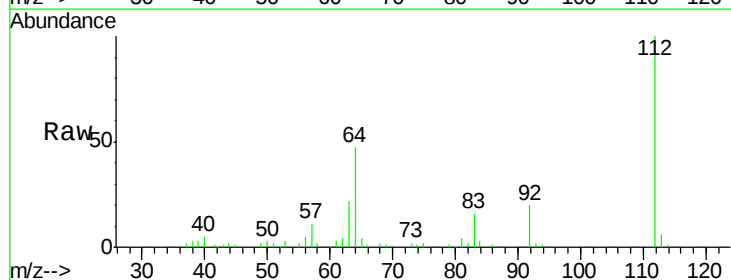
Tgt Ion:112 Resp: 73569

Ion Ratio Lower Upper

112 100

64 46.9 51.1 76.7#

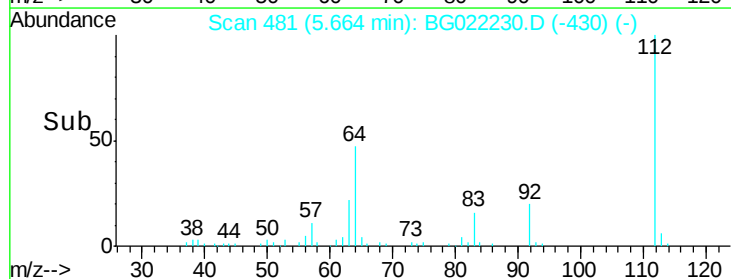
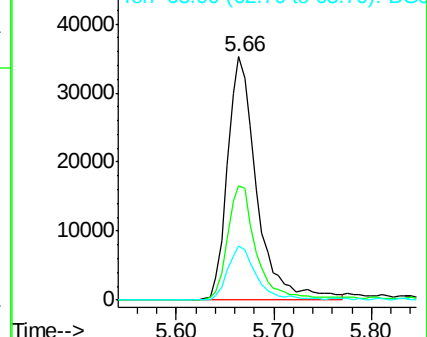
63 22.2 24.6 37.0#



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: 39.64 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022230.D

Acq: 8 Jun 2016 10:03

Instrument :

BNA\_G

ClientSampleId :

SP16-LF2MW2

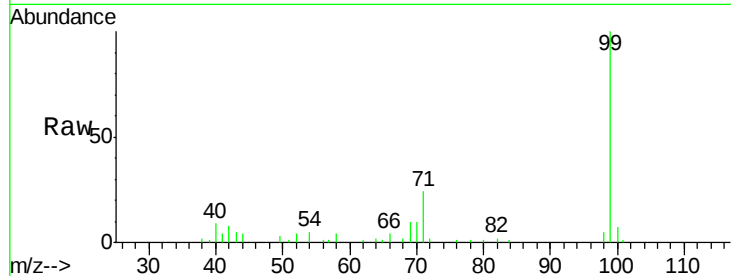
Tot Ion: 99 Resp: 64602

Ion Ratio Lower Upper

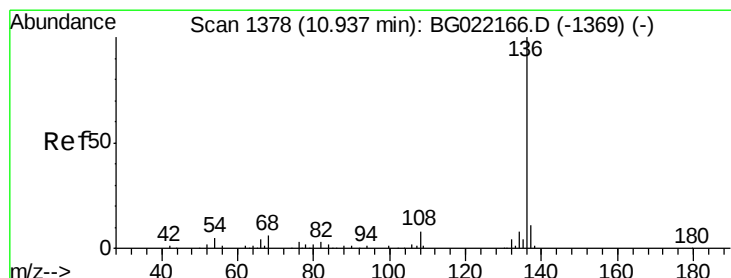
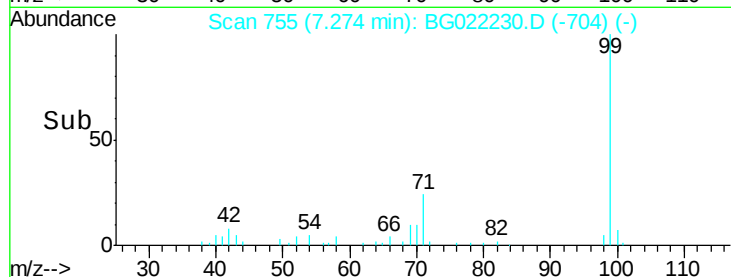
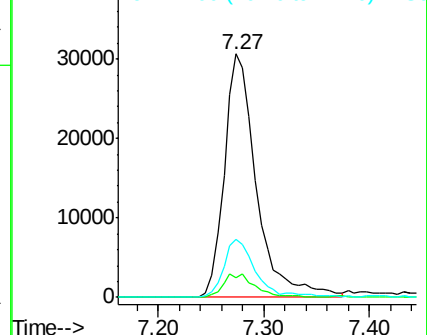
99 100

42 7.8 16.4 24.6#

71 23.9 25.0 37.4#



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# 1378

Delta R.T. -0.00 min

Lab File: BG022230.D

Acq: 8 Jun 2016 10:03

Tgt Ion: 136 Resp: 98639

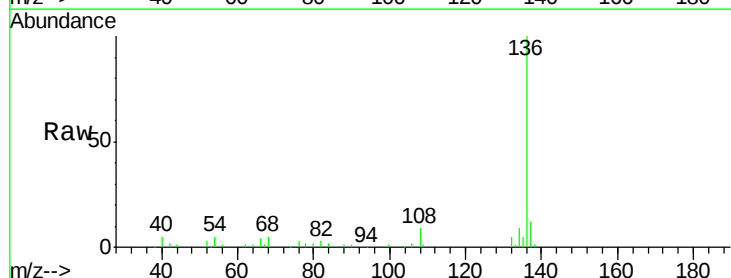
Ion Ratio Lower Upper

136 100

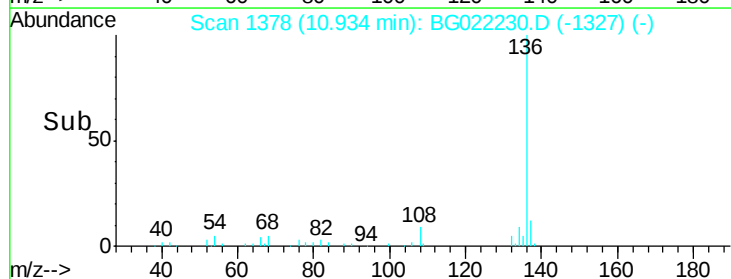
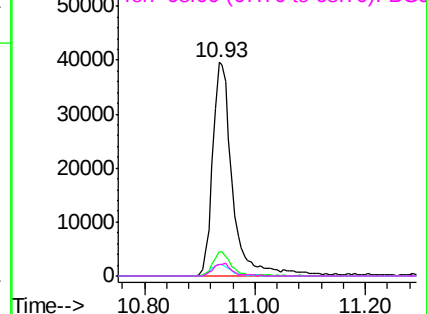
137 11.6 9.0 13.4

54 5.1 9.6 14.4#

68 5.3 6.4 9.6#



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

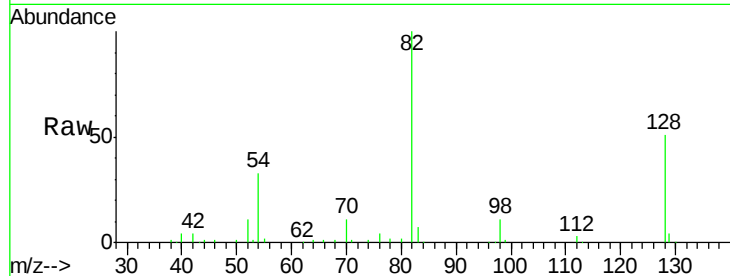




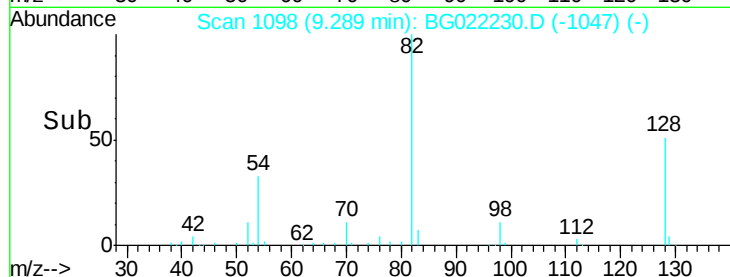
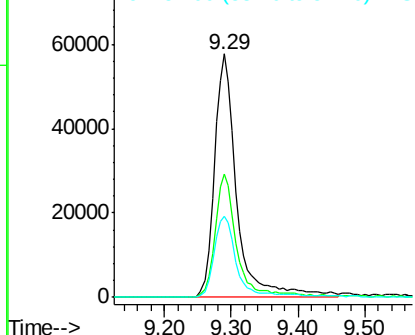
#23  
Nitrobenzene-d5  
Concen: 95.96 ng  
RT: 9.29 min Scan# 1098  
Delta R.T. -0.00 min  
Lab File: BG022230.D  
Acq: 8 Jun 2016 10:03

Instrument :  
BNA\_G  
ClientSampleId :  
SP16-LF2MW2

| Tot Ion   | 82    | Resp  | 135766 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 50.6  | 33.4  | 50.0#  |
| 54        | 33.3  | 46.1  | 69.1#  |

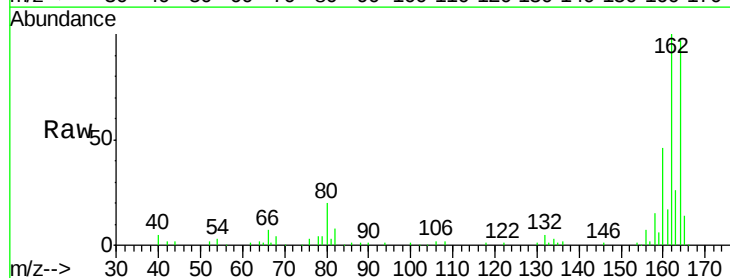


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

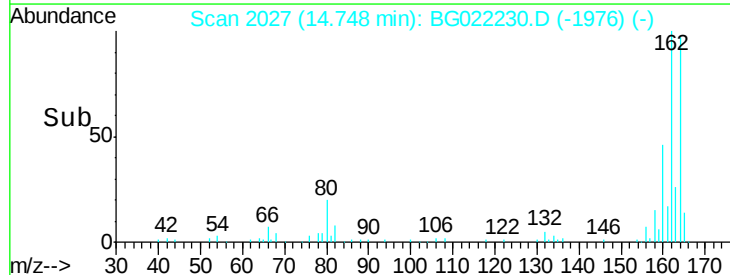
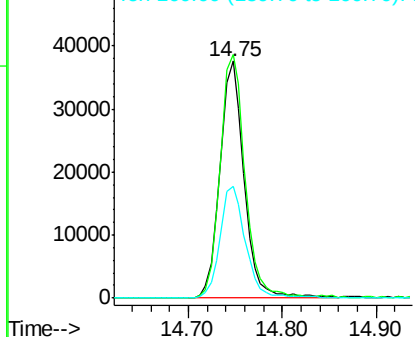


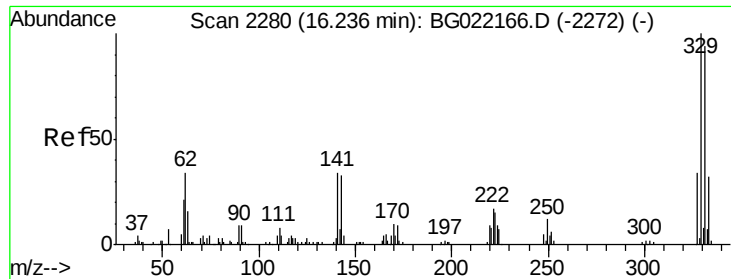
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.75 min Scan# 2027  
Delta R.T. -0.00 min  
Lab File: BG022230.D  
Acq: 8 Jun 2016 10:03

| Tgt Ion   | 164   | Resp  | 67537 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 102.7 | 78.0  | 117.0 |
| 160       | 47.1  | 32.9  | 49.3  |



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

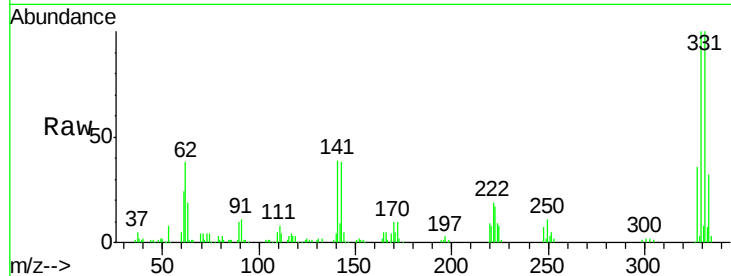




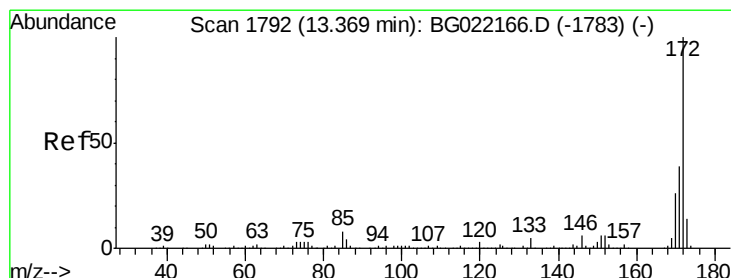
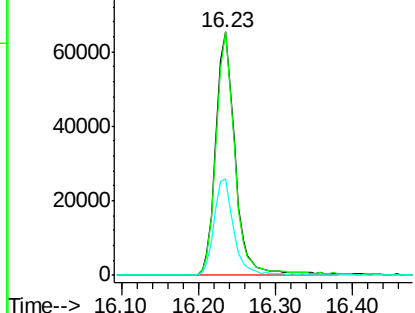
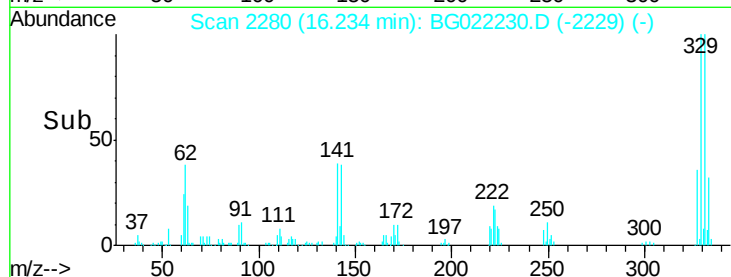
#41  
 2,4,6-Tribromophenol  
 Concen: 149.75 ng  
 RT: 16.23 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: BG022230.D  
 Acq: 8 Jun 2016 10:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP16-LF2MW2

Tot Ion:330 Resp: 114279  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 78.0 117.0  
 141 40.1 33.8 50.8

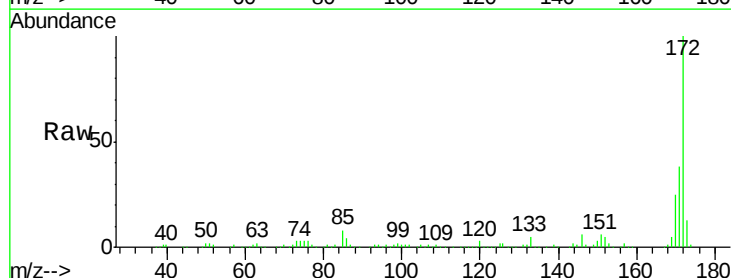


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

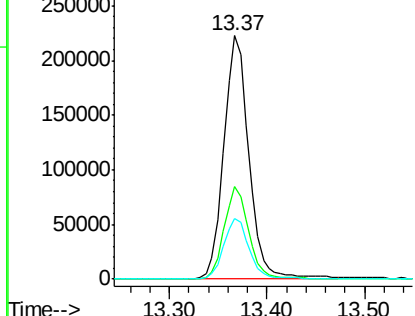
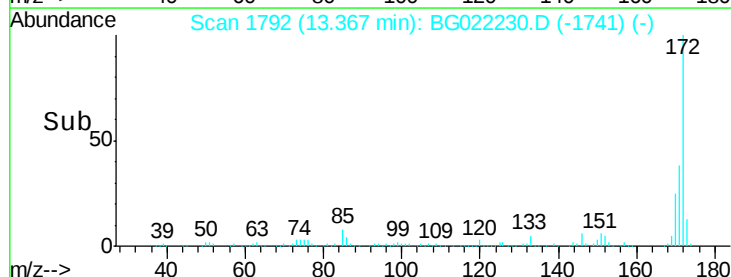


#44  
 2-Fluorobiphenyl  
 Concen: 89.89 ng  
 RT: 13.37 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: BG022230.D  
 Acq: 8 Jun 2016 10:03

Tgt Ion:172 Resp: 398359  
 Ion Ratio Lower Upper  
 172 100  
 171 38.1 27.8 41.6  
 170 24.9 19.6 29.4



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

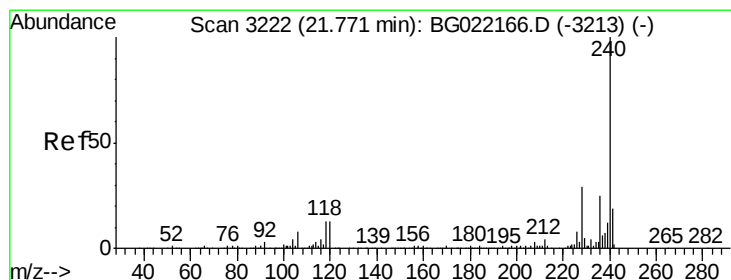
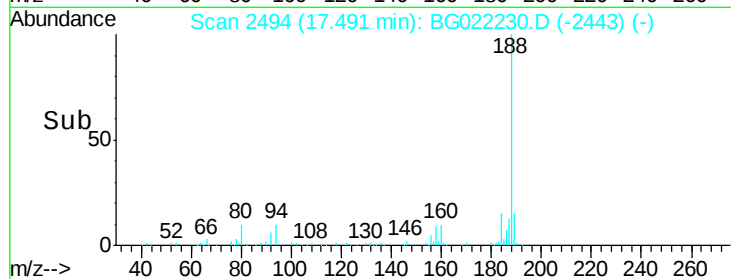
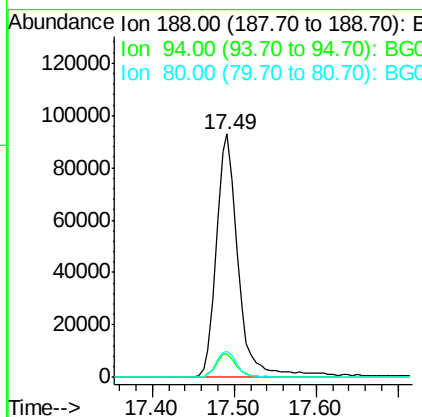
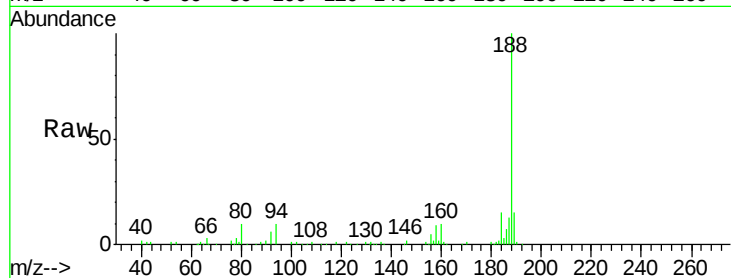




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.49 min Scan# 2494  
Delta R.T. -0.00 min  
Lab File: BG022230.D  
Acq: 8 Jun 2016 10:03

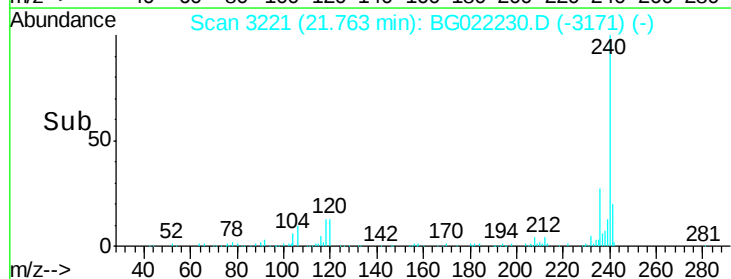
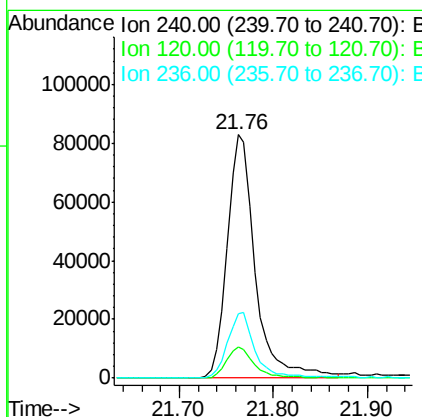
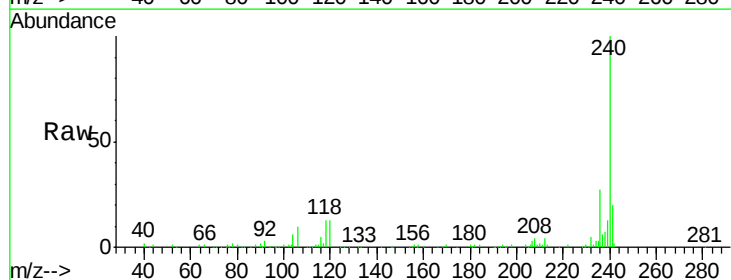
Instrument :  
BNA\_G  
ClientSampleId :  
SP16-LF2MW2

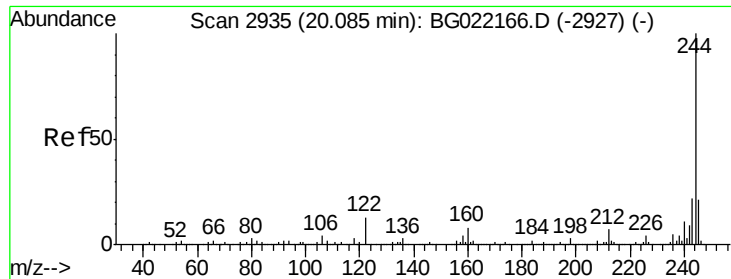
Tot Ion:188 Resp: 174113  
Ion Ratio Lower Upper  
188 100  
94 9.9 7.5 11.3  
80 10.5 8.6 13.0



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.76 min Scan# 3221  
Delta R.T. -0.01 min  
Lab File: BG022230.D  
Acq: 8 Jun 2016 10:03

Tgt Ion:240 Resp: 171613  
Ion Ratio Lower Upper  
240 100  
120 12.6 8.4 12.6#  
236 26.6 19.6 29.4





#78

Terphenyl-d14

Concen: 103.19 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022230.D

Acq: 8 Jun 2016 10:03

Instrument :

BNA\_G

ClientSampleId :

SP16-LF2MW2

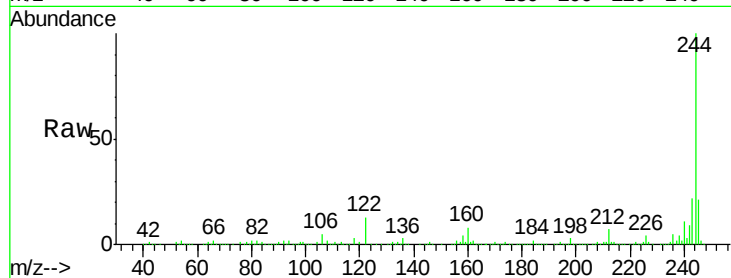
Tot Ion:244 Resp: 745891

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

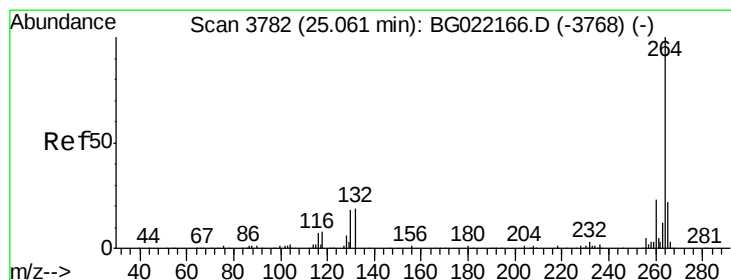
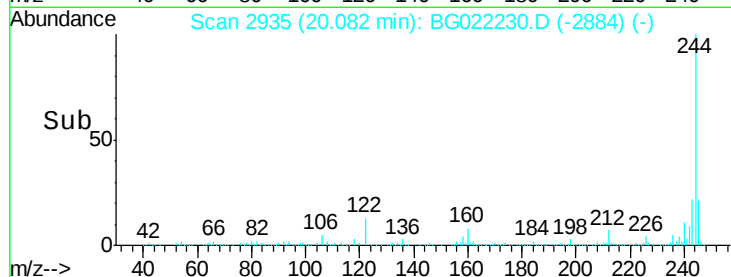
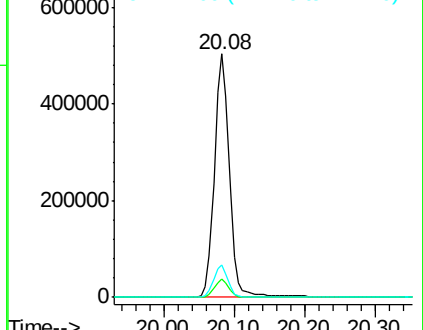
122 13.1 8.6 12.8#



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: 25.06 min Scan# 3782

Delta R.T. -0.00 min

Lab File: BG022230.D

Acq: 8 Jun 2016 10:03

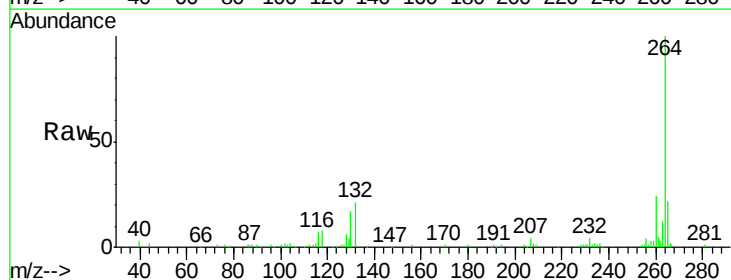
Tgt Ion:264 Resp: 167319

Ion Ratio Lower Upper

264 100

260 23.6 20.2 30.4

265 22.0 17.8 26.8



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

