

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091916\  
 Data File : BG024021.D  
 Acq On : 19 Sep 2016 16:58  
 Operator : UM/SJ  
 Sample : PB93439BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB93439BL

Quant Time: Sep 20 01:01:11 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 20 01:00:00 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 38644    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.89 | 136  | 184977   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.73 | 164  | 149501   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.50 | 188  | 385673   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.81 | 240  | 438579   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.15 | 264  | 424840   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 377201   | 171.37 | ng    | 0.00     |
| 7) Phenol-d6                | 7.23  | 99   | 565443   | 166.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 414095   | 99.94  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 337229   | 125.20 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.34 | 172  | 879312   | 84.33  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.10 | 244  | 1676050  | 87.03  | ng    | 0.00     |

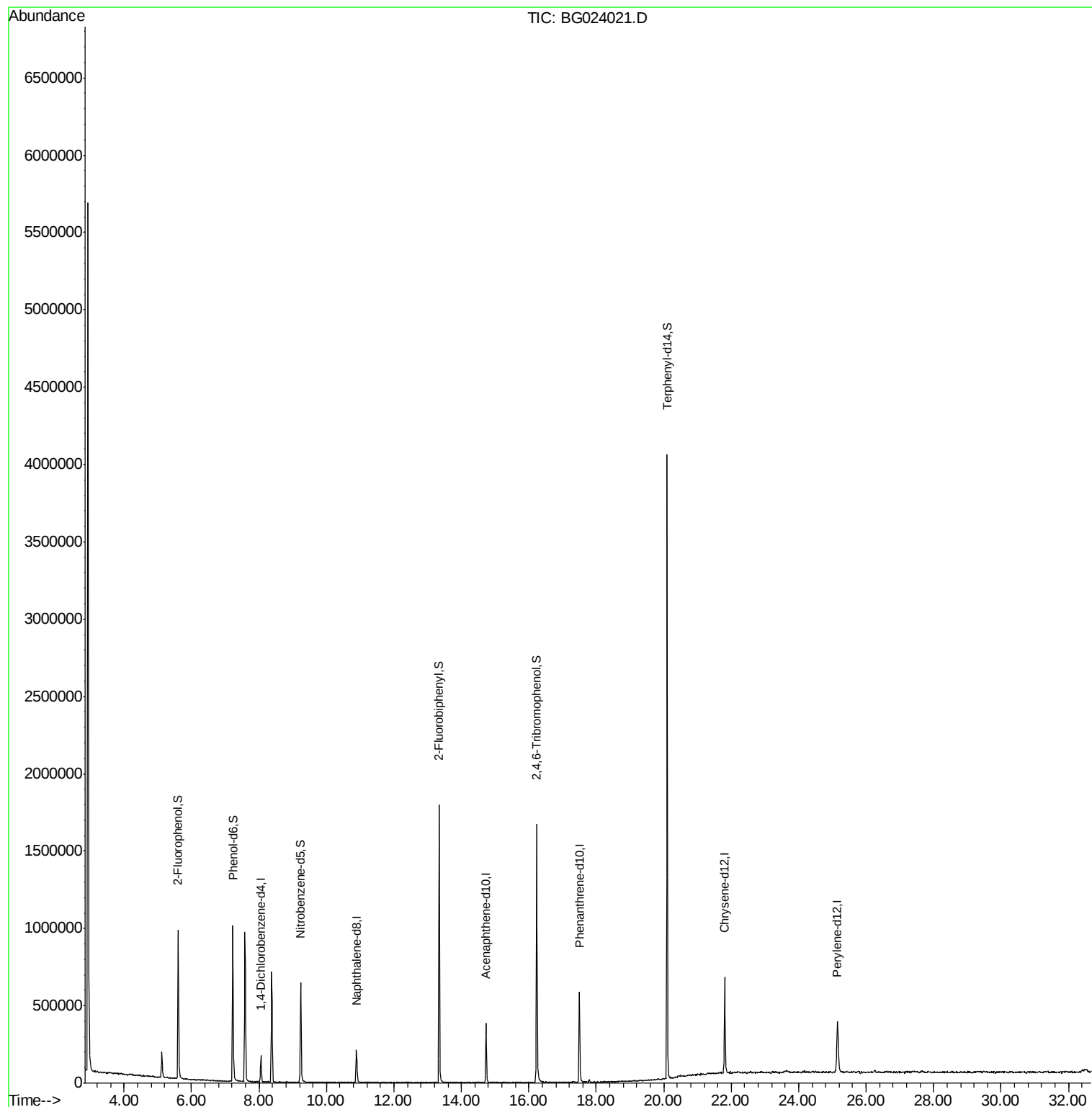
Target Compounds Qvalue

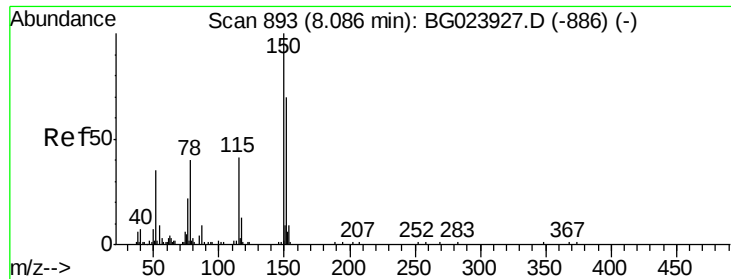
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091916\  
Data File : BG024021.D  
Acq On : 19 Sep 2016 16:58  
Operator : UM/SJ  
Sample : PB93439BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB93439BL

Quant Time: Sep 20 01:01:11 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 20 01:00:00 2016  
Response via : Initial Calibration



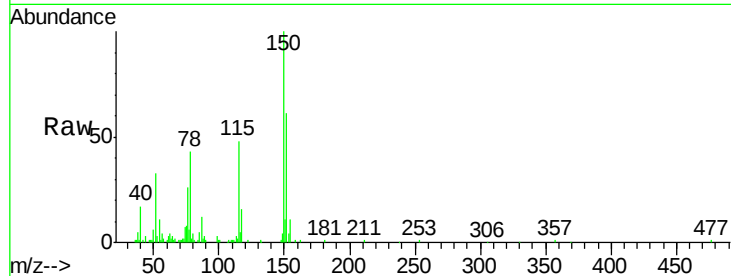


#1

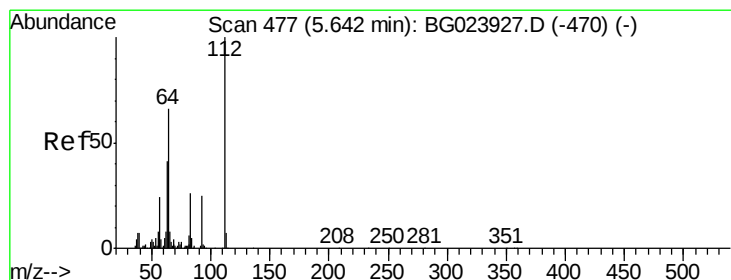
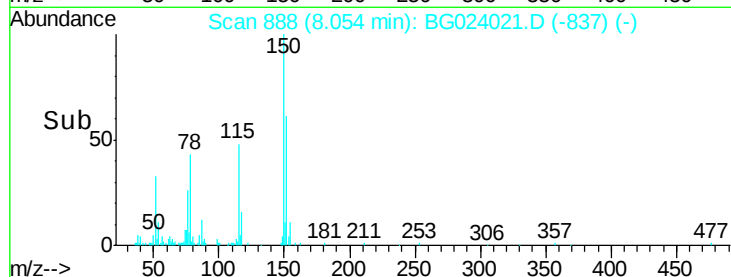
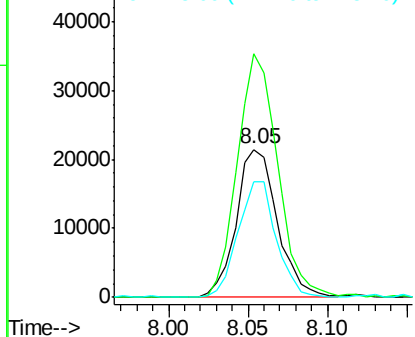
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.05 min Scan# 888  
Delta R.T. -0.00 min  
Lab File: BG024021.D  
Acq: 19 Sep 2016 16:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB93439BL

Tot Ion:152 Resp: 38644  
Ion Ratio Lower Upper  
152 100  
150 164.7 144.7 217.1  
115 78.4 64.0 96.0



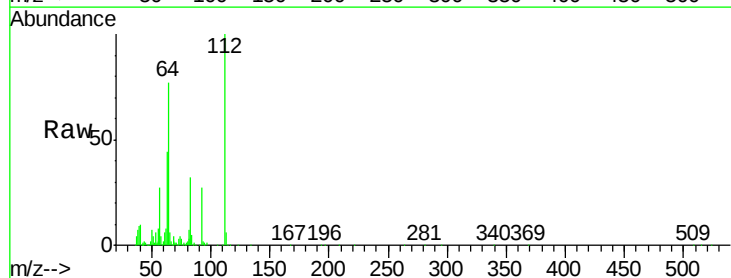
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



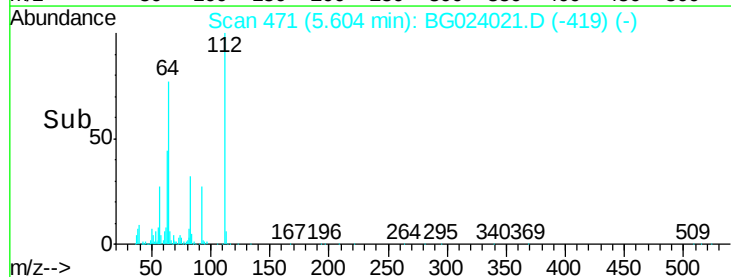
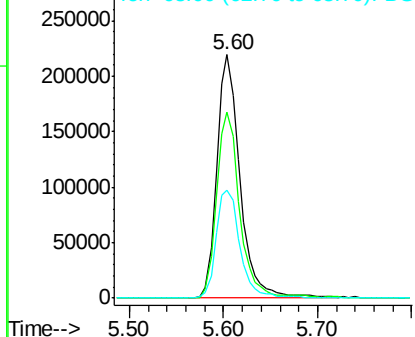
#5

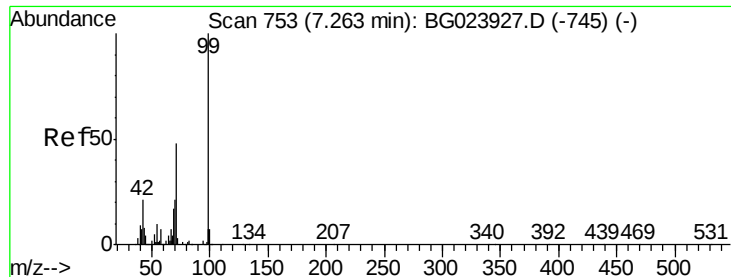
2-Fluorophenol  
Concen: 171.37 ng  
RT: 5.60 min Scan# 471  
Delta R.T. 0.00 min  
Lab File: BG024021.D  
Acq: 19 Sep 2016 16:58

Tgt Ion:112 Resp: 377201  
Ion Ratio Lower Upper  
112 100  
64 76.6 59.0 88.4  
63 44.2 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: 166.89 ng

RT: 7.23 min Scan# 747

Delta R.T. -0.00 min

Lab File: BG024021.D

Acq: 19 Sep 2016 16:58

Instrument :

BNA\_G

ClientSampleId :

PB93439BL

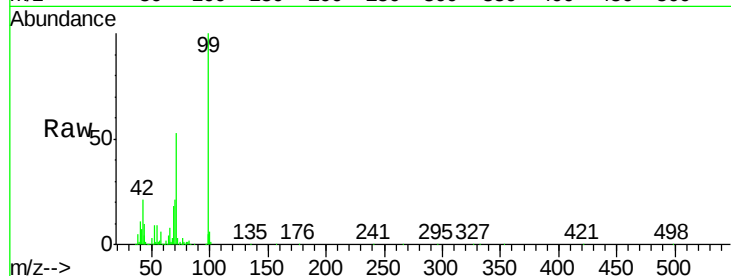
Tot Ion: 99 Resp: 565443

Ion Ratio Lower Upper

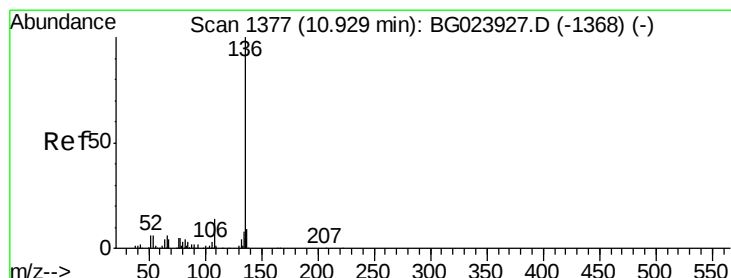
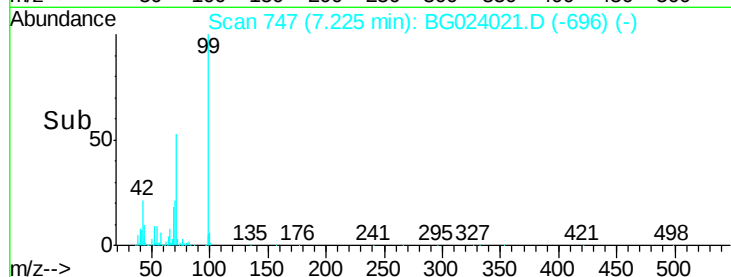
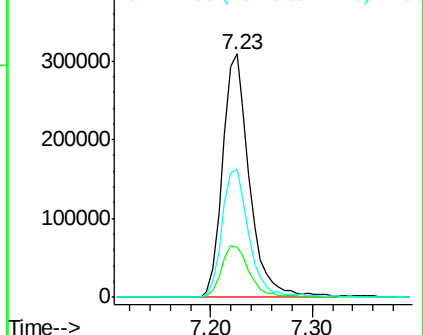
99 100

42 20.9 17.8 26.6

71 52.9 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: 10.89 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BG024021.D

Acq: 19 Sep 2016 16:58

Tgt Ion: 136 Resp: 184977

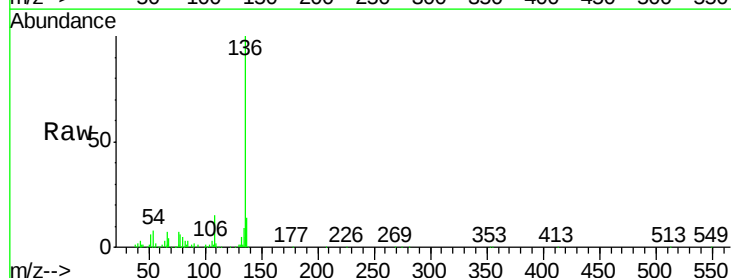
Ion Ratio Lower Upper

136 100

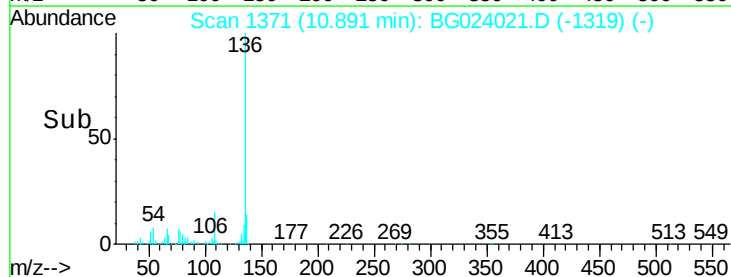
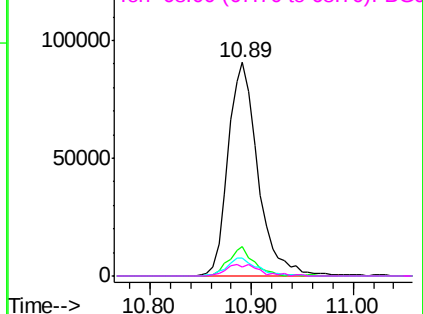
137 13.8 9.6 14.4

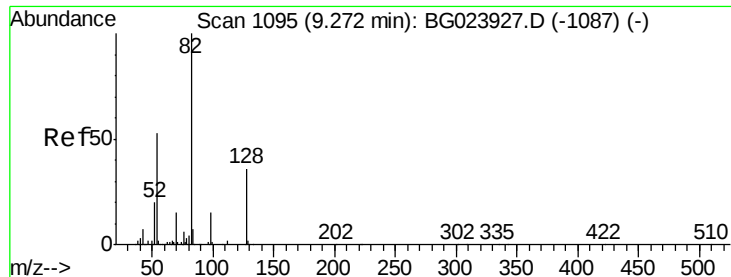
54 8.5 7.3 10.9

68 4.4 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

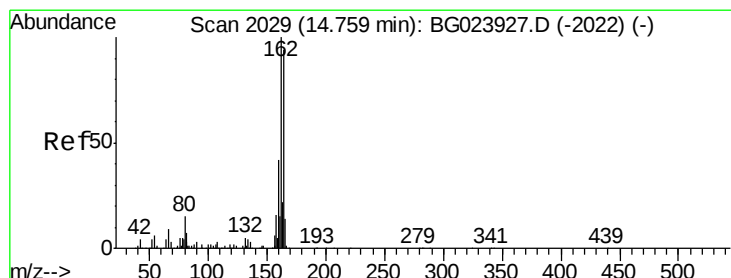
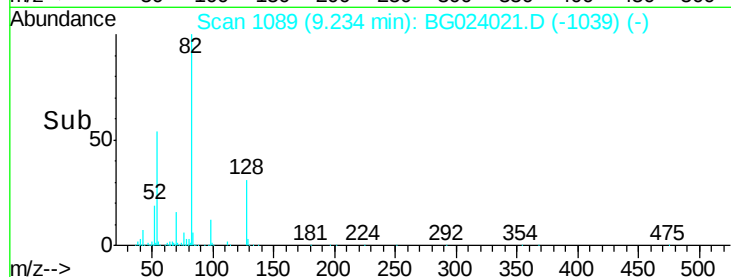
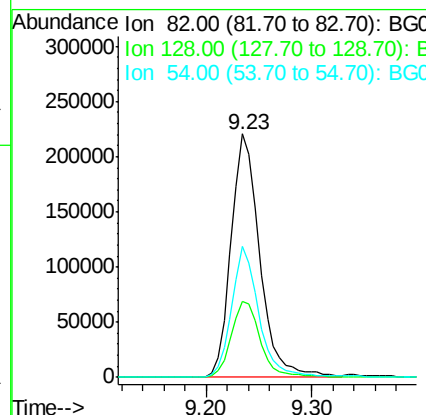
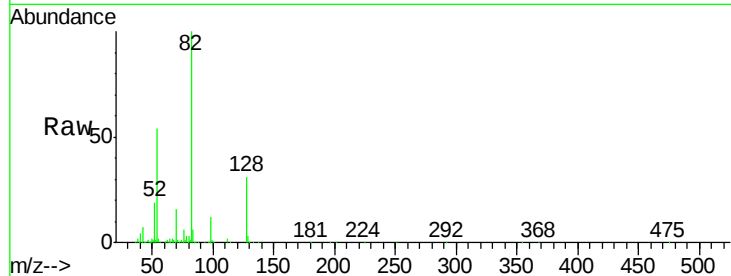




#23  
 Nitrobenzene-d5  
 Concen: 99.94 ng  
 RT: 9.23 min Scan# 1089  
 Delta R.T. -0.01 min  
 Lab File: BG024021.D  
 Acq: 19 Sep 2016 16:58

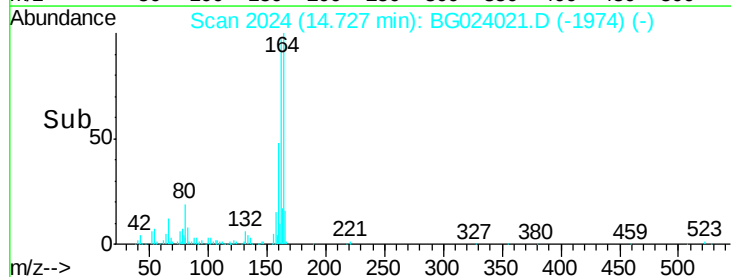
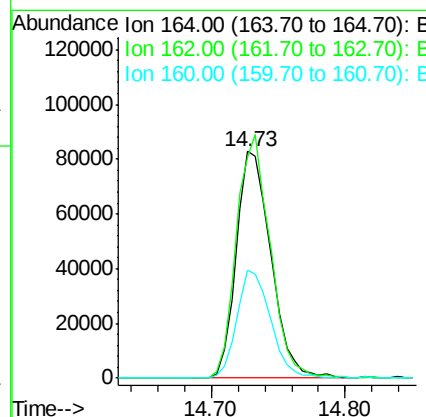
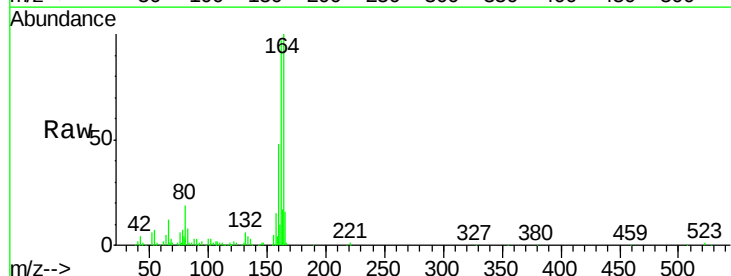
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB93439BL

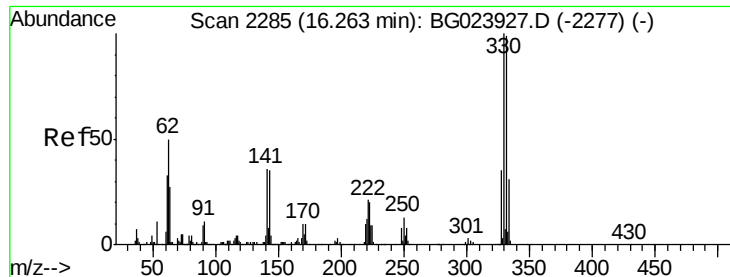
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 31.3  | 24.4  | 36.6  |
| 54      | 53.6  | 41.4  | 62.0  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.73 min Scan# 2024  
 Delta R.T. -0.01 min  
 Lab File: BG024021.D  
 Acq: 19 Sep 2016 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.1  | 87.7  | 131.5 |
| 160     | 47.5  | 37.2  | 55.8  |

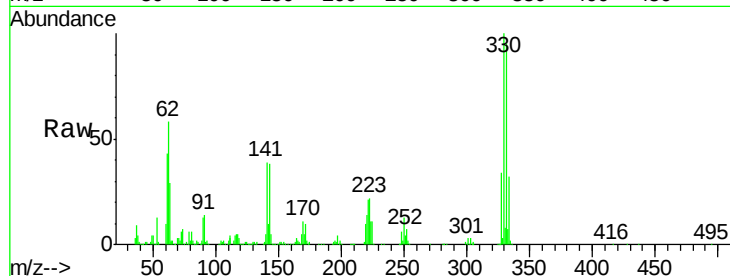




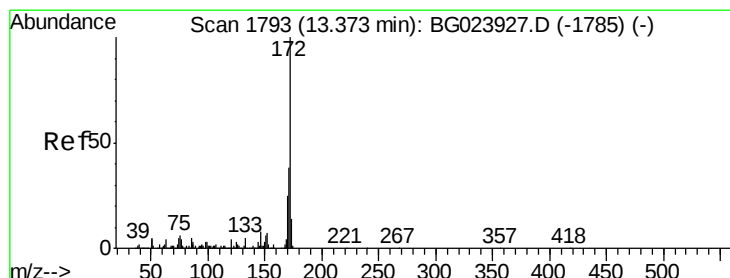
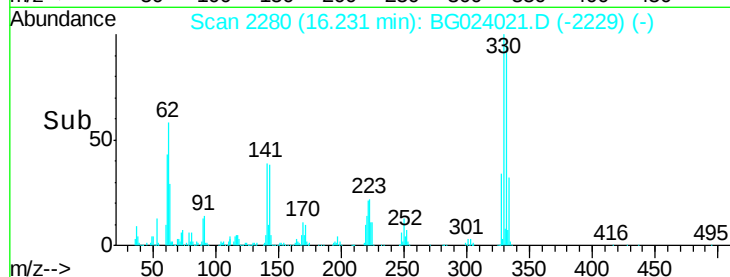
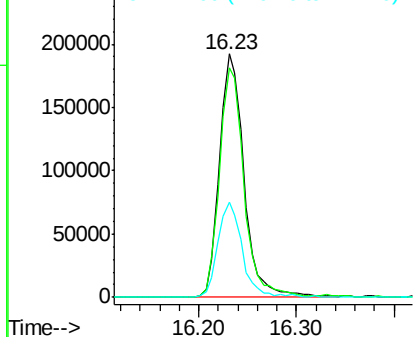
#41  
 2,4,6-Tribromophenol  
 Concen: 125.20 ng  
 RT: 16.23 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: BG024021.D  
 Acq: 19 Sep 2016 16:58

Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB93439BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.7  | 77.4  | 116.2 |
| 141     | 38.8  | 31.7  | 47.5  |

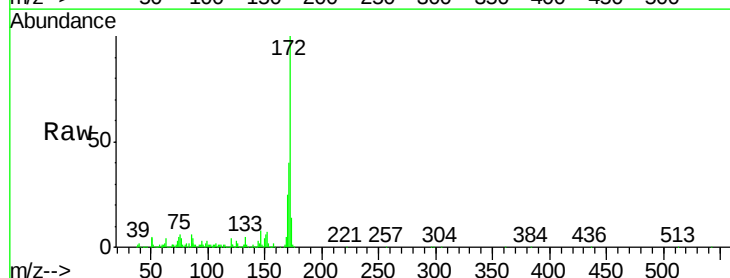


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

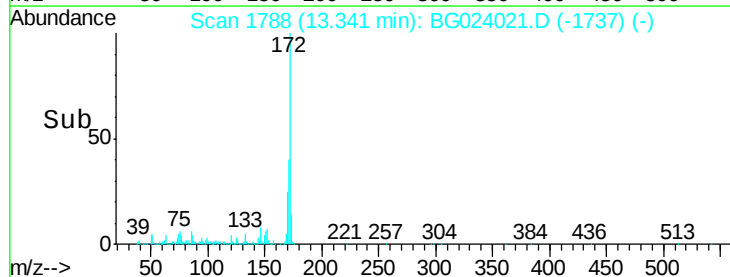
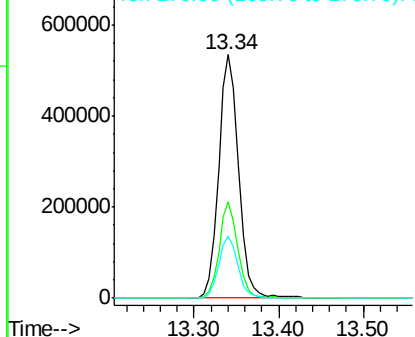


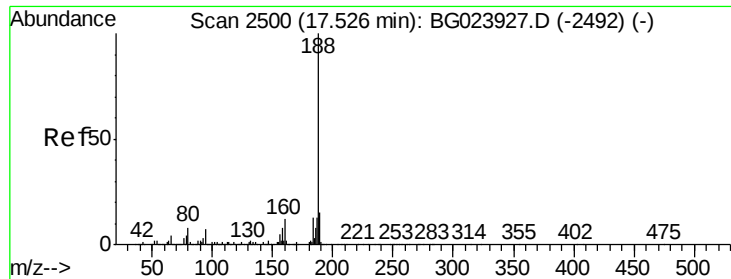
#44  
 2-Fluorobiphenyl  
 Concen: 84.33 ng  
 RT: 13.34 min Scan# 1788  
 Delta R.T. -0.00 min  
 Lab File: BG024021.D  
 Acq: 19 Sep 2016 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.6  | 31.6  | 47.4  |
| 170     | 25.4  | 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.50 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BG024021.D

Acq: 19 Sep 2016 16:58

Instrument :

BNA\_G

ClientSampleId :

PB93439BL

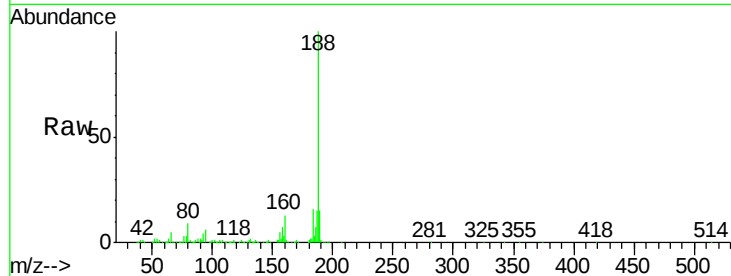
Tot Ion:188 Resp: 385673

Ion Ratio Lower Upper

188 100

94 5.9 5.2 7.8

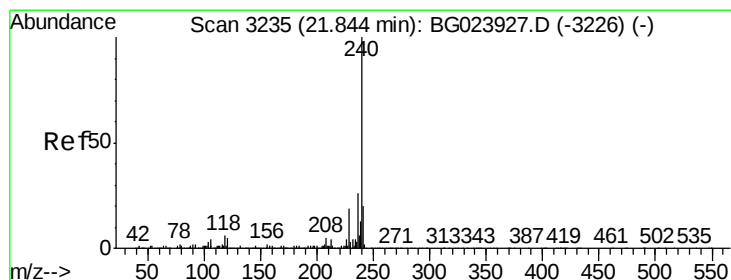
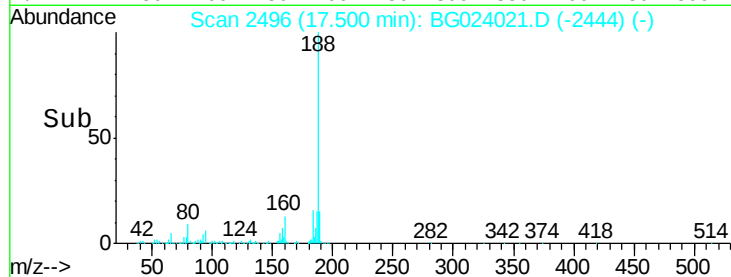
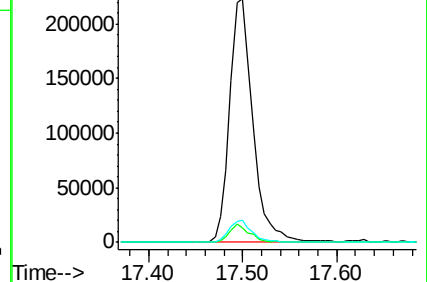
80 9.0 7.2 10.8



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: 21.81 min Scan# 3229

Delta R.T. -0.00 min

Lab File: BG024021.D

Acq: 19 Sep 2016 16:58

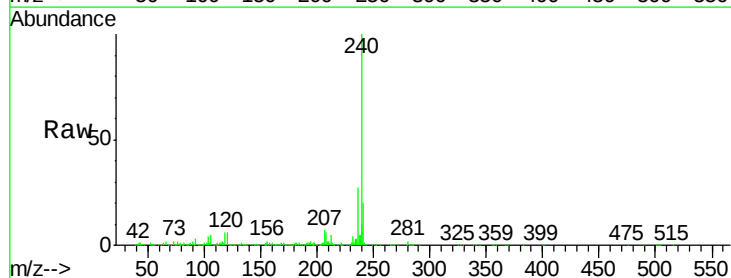
Tgt Ion:240 Resp: 438579

Ion Ratio Lower Upper

240 100

120 5.7 4.1 6.1

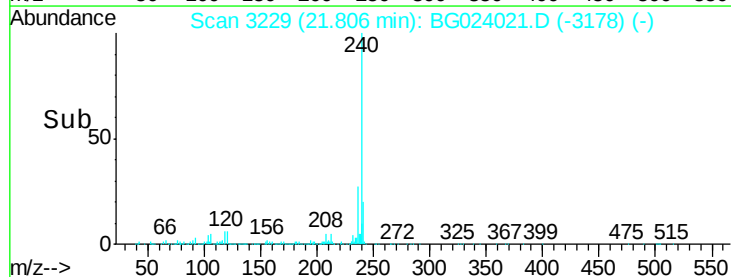
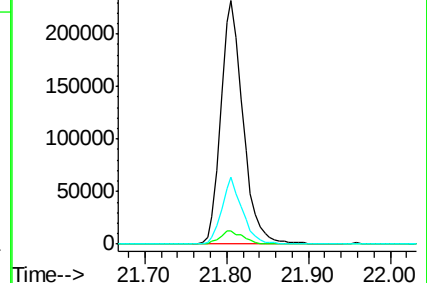
236 27.3 21.1 31.7

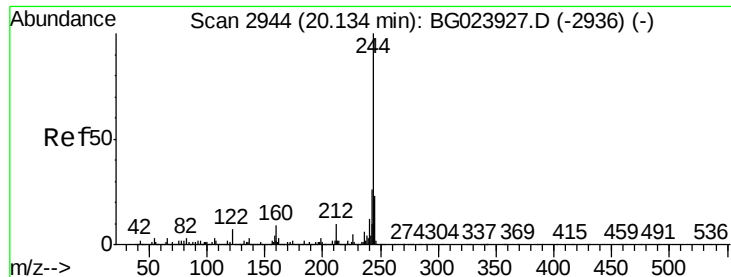


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 87.03 ng

RT: 20.10 min Scan# 2939

Delta R.T. -0.00 min

Lab File: BG024021.D

Acq: 19 Sep 2016 16:58

Instrument :

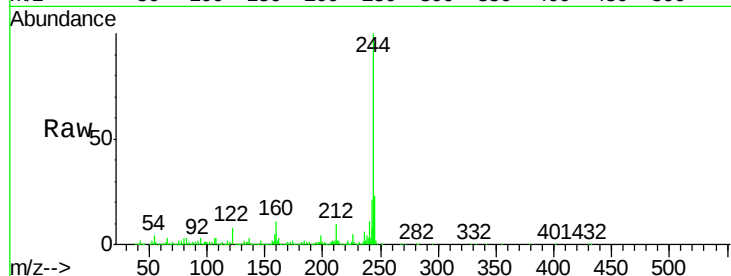
BNA\_G

ClientSampleId :

PB93439BL

Tot Ion:244 Resp: 1676050

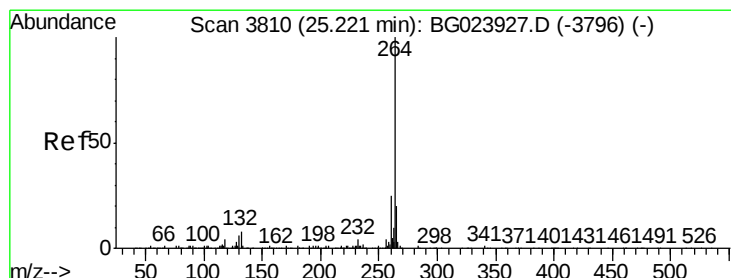
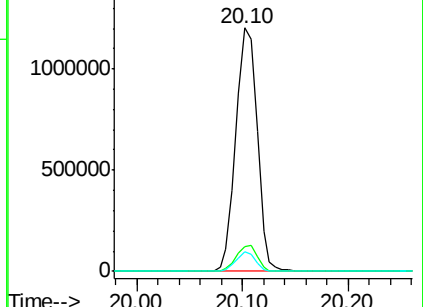
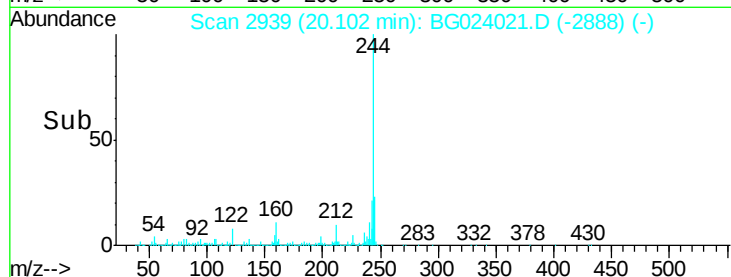
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 10.0  | 10.8  | 16.2# |
| 122 | 8.3   | 8.0   | 12.0  |



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.15 min Scan# 3799

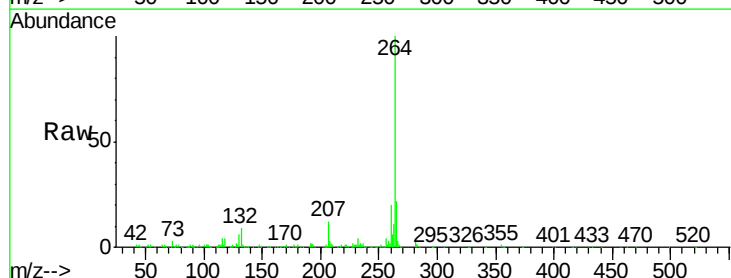
Delta R.T. 0.00 min

Lab File: BG024021.D

Acq: 19 Sep 2016 16:58

Tgt Ion:264 Resp: 424840

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 20.4  | 18.4  | 27.6  |
| 265 | 22.5  | 18.9  | 28.3  |



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

