

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\  
 Data File : BG019921.D  
 Acq On : 5 Dec 2015 1:35  
 Operator : UM/NP  
 Sample : G4630-07  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-23

Quant Time: Dec 05 04:24:08 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 29652    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.93 | 136  | 128806   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.74 | 164  | 93210    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.49 | 188  | 229289   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.76 | 240  | 278748   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 25.04 | 264  | 267496   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 114758   | 69.95  | ng    | -0.01    |
| 7) Phenol-d6                | 7.26  | 99   | 107878   | 43.55  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 257936   | 102.20 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 211478   | 148.28 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 645342   | 94.53  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.09 | 244  | 1093217  | 95.66  | ng    | -0.02    |

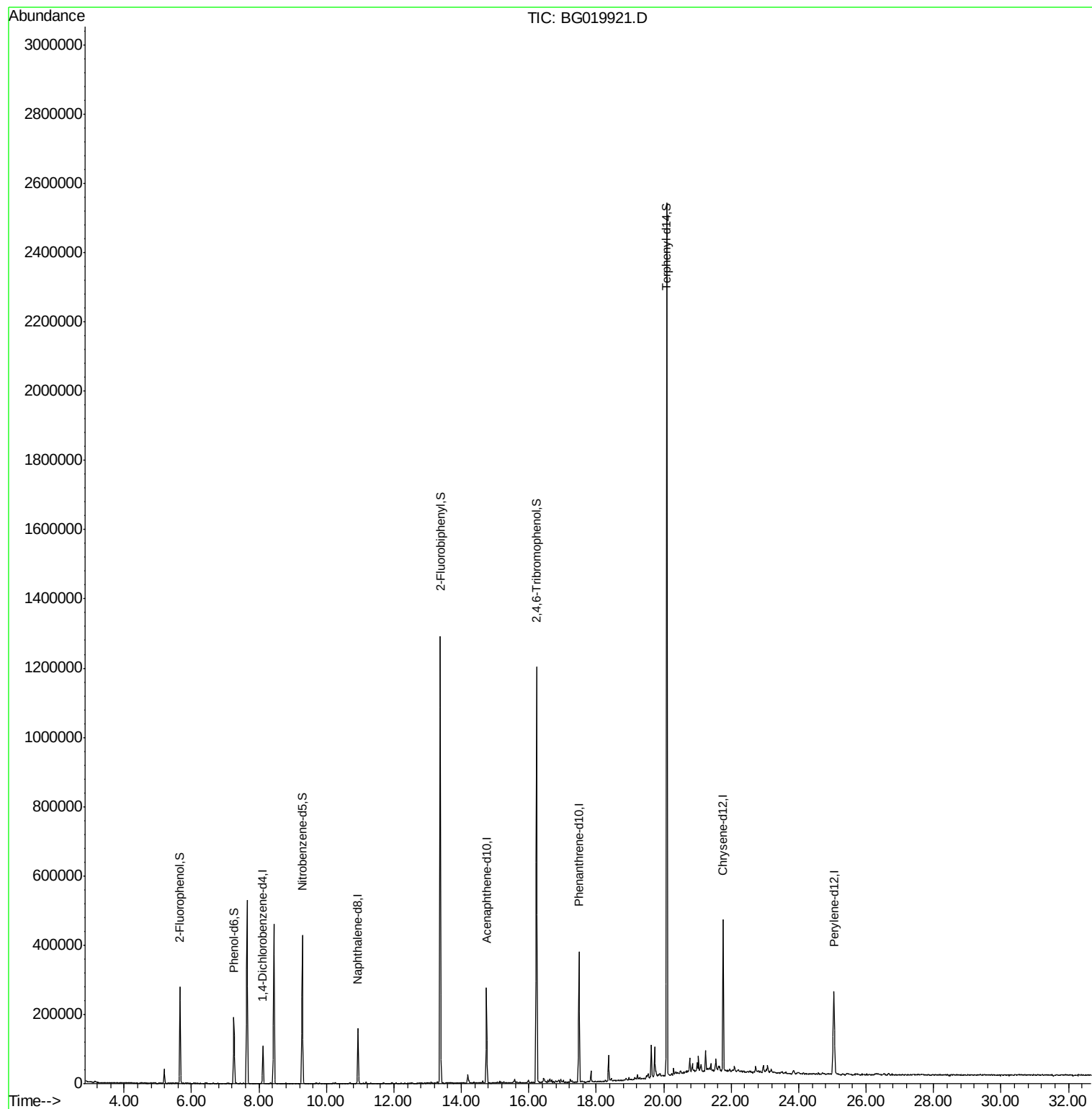
Target Compounds Qvalue

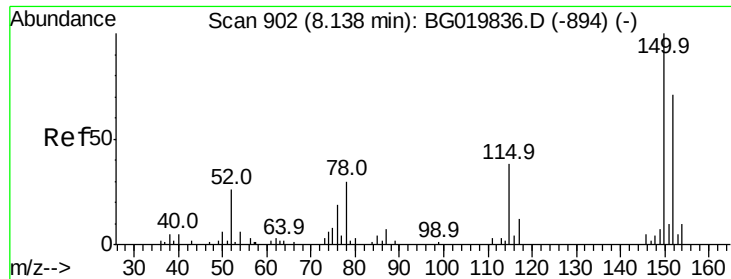
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 02 18:50:01 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 898

Delta R.T. -0.02 min

Lab File: BG019921.D

Acq: 5 Dec 2015 1:35

Instrument :

BNA\_G

ClientSampleId :

MW-23

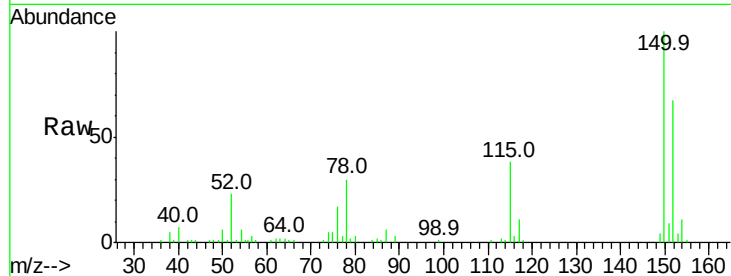
Tot Ion:152 Resp: 29652

Ion Ratio Lower Upper

152 100

150 148.9 115.0 172.4

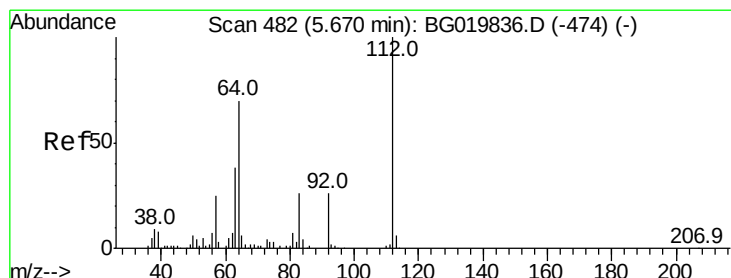
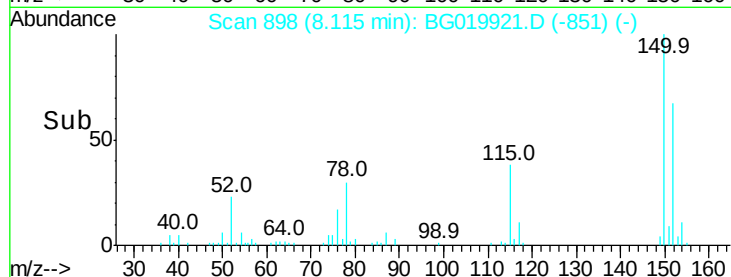
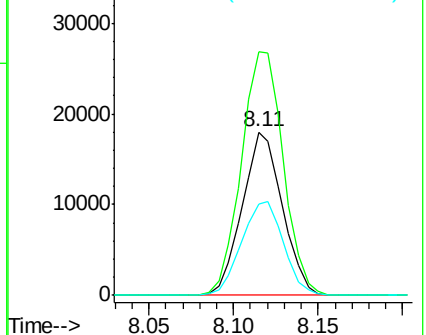
115 56.2 43.9 65.9



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: 69.95 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.01 min

Lab File: BG019921.D

Acq: 5 Dec 2015 1:35

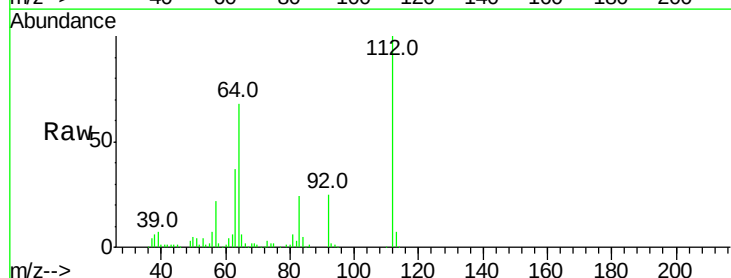
Tgt Ion:112 Resp: 114758

Ion Ratio Lower Upper

112 100

64 67.6 43.7 65.5#

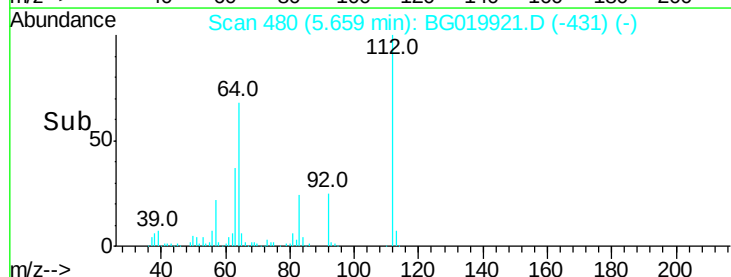
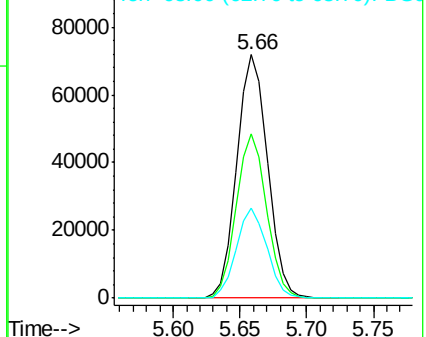
63 36.9 24.0 36.0#

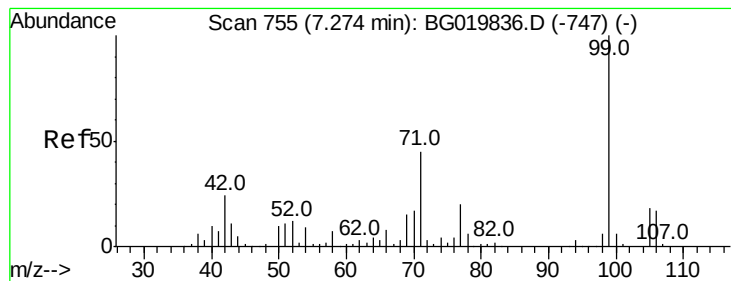


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 43.55 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG019921.D

Acq: 5 Dec 2015 1:35

Instrument :

BNA\_G

ClientSampleId :

MW-23

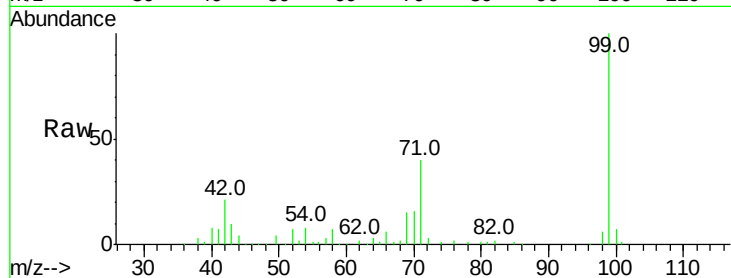
Tot Ion: 99 Resp: 107878

Ion Ratio Lower Upper

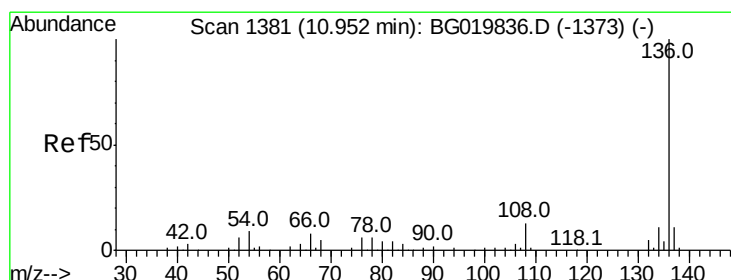
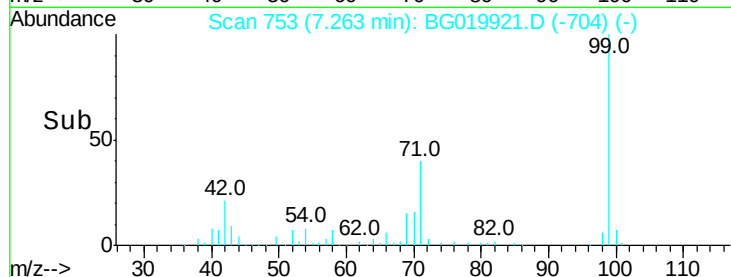
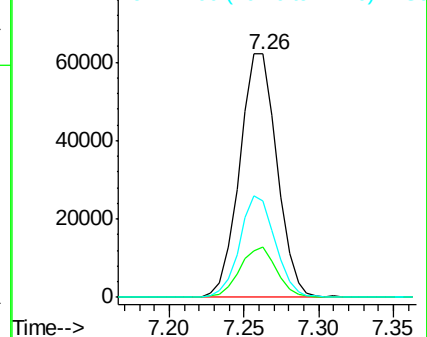
99 100

42 20.7 11.5 17.3#

71 39.7 22.6 34.0#



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. -0.02 min

Lab File: BG019921.D

Acq: 5 Dec 2015 1:35

Tgt Ion: 136 Resp: 128806

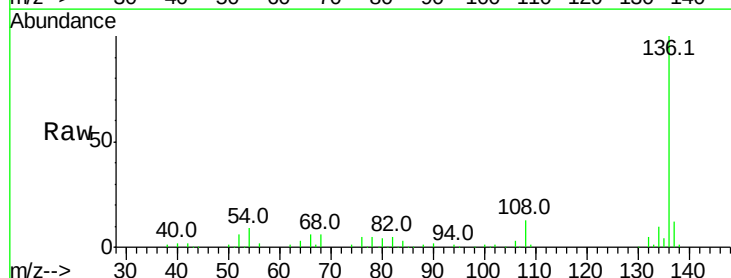
Ion Ratio Lower Upper

136 100

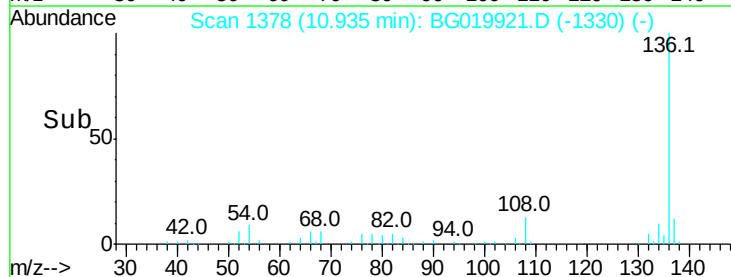
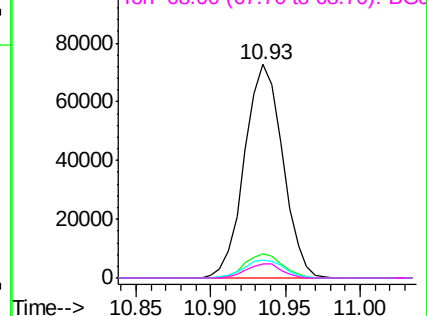
137 11.7 8.6 12.8

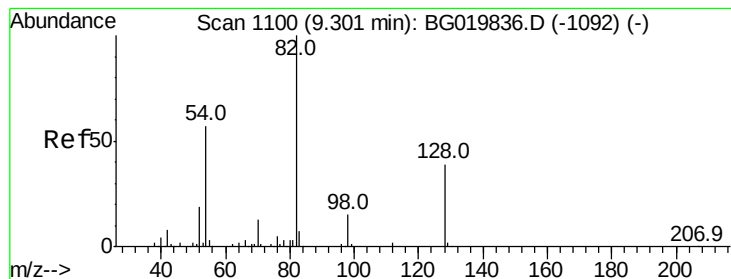
54 8.5 5.4 8.2#

68 6.3 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: 102.20 ng

RT: 9.28 min Scan# 1097

Delta R.T. -0.02 min

Lab File: BG019921.D

Acq: 5 Dec 2015 1:35

Instrument :

BNA\_G

ClientSampleId :

MW-23

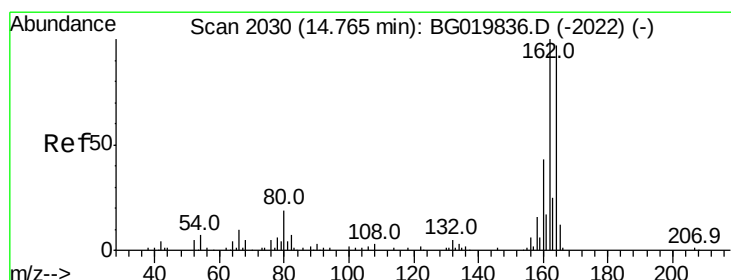
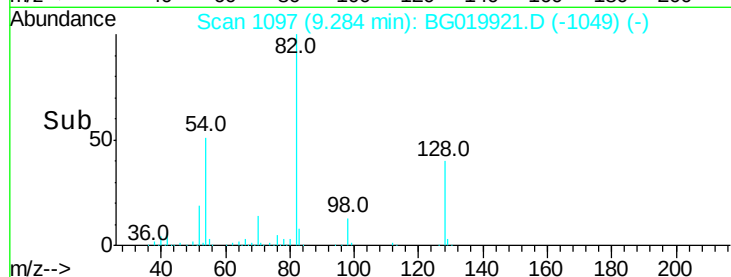
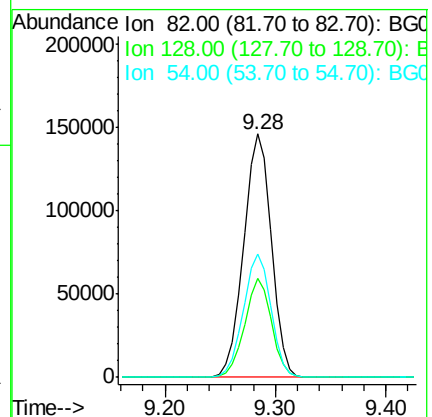
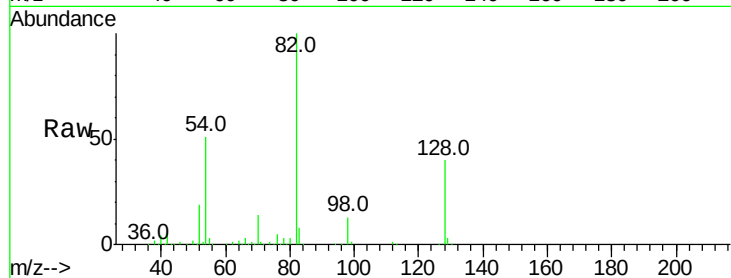
Tot Ion: 82 Resp: 257936

Ion Ratio Lower Upper

82 100

128 40.5 36.7 55.1

54 50.7 33.8 50.8



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.74 min Scan# 2026

Delta R.T. -0.02 min

Lab File: BG019921.D

Acq: 5 Dec 2015 1:35

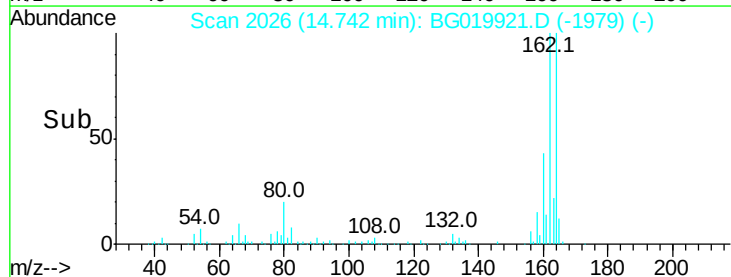
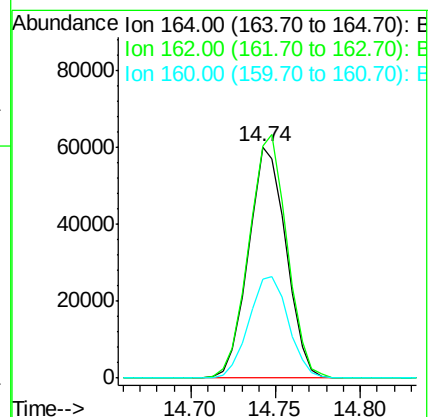
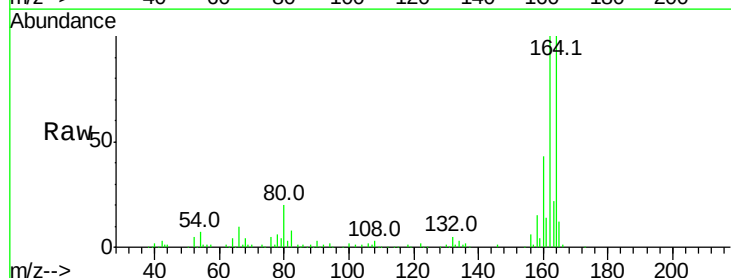
Tgt Ion: 164 Resp: 93210

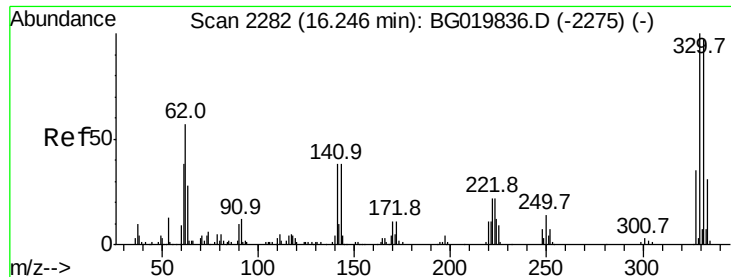
Ion Ratio Lower Upper

164 100

162 100.4 78.8 118.2

160 43.1 36.4 54.6

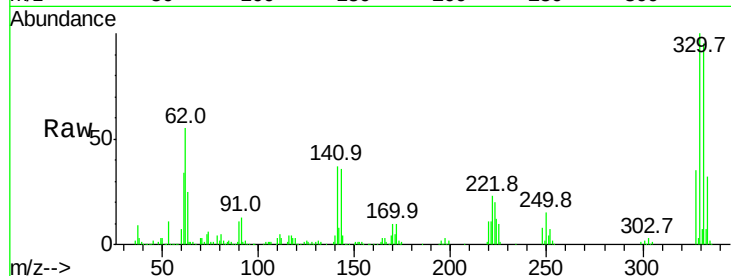




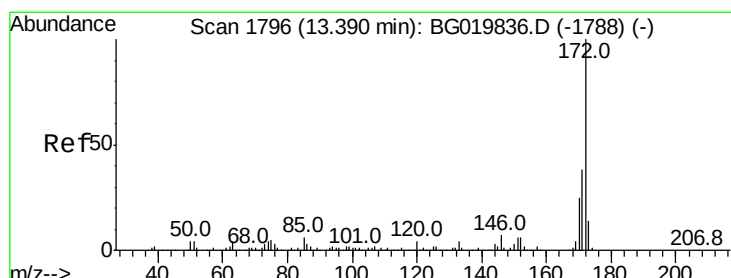
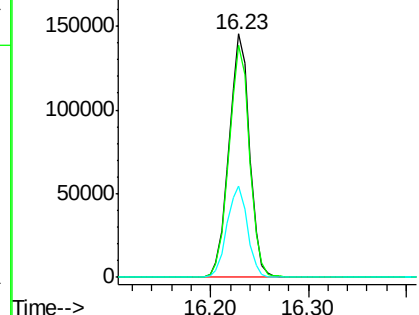
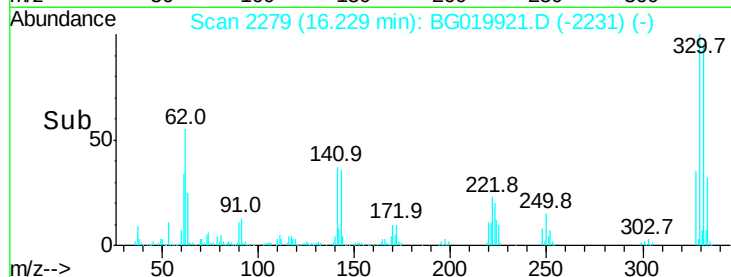
#41  
 2,4,6-Tribromophenol  
 Concen: 148.28 ng  
 RT: 16.23 min Scan# 2279  
 Delta R.T. -0.02 min  
 Lab File: BG019921.D  
 Acq: 5 Dec 2015 1:35

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-23

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 78.1  | 117.1 |
| 141     | 37.4  | 28.2  | 42.2  |

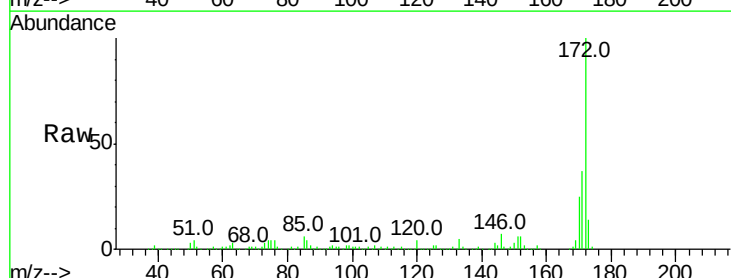


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

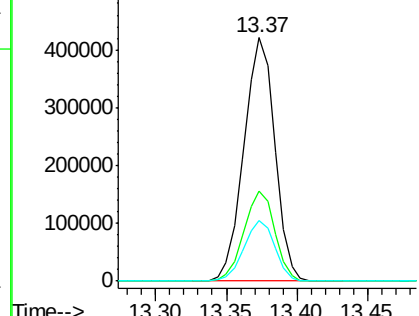
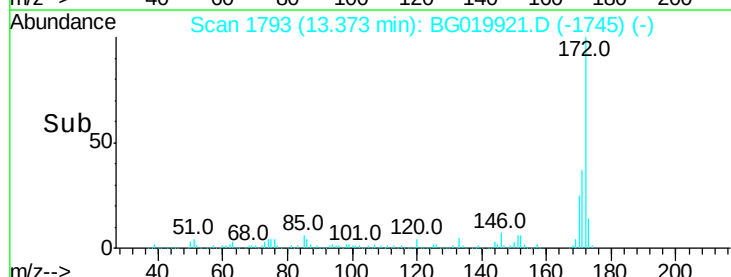


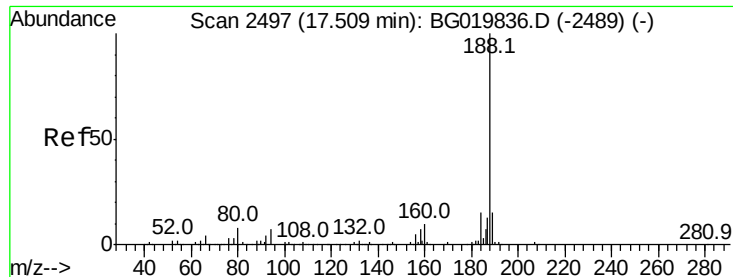
#44  
 2-Fluorobiphenyl  
 Concen: 94.53 ng  
 RT: 13.37 min Scan# 1793  
 Delta R.T. -0.02 min  
 Lab File: BG019921.D  
 Acq: 5 Dec 2015 1:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 29.0  | 43.6  |
| 170     | 25.1  | 19.9  | 29.9  |



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

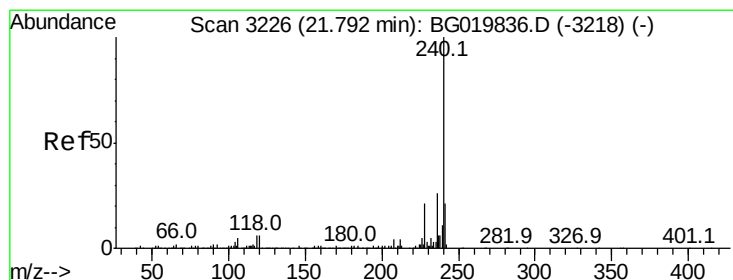
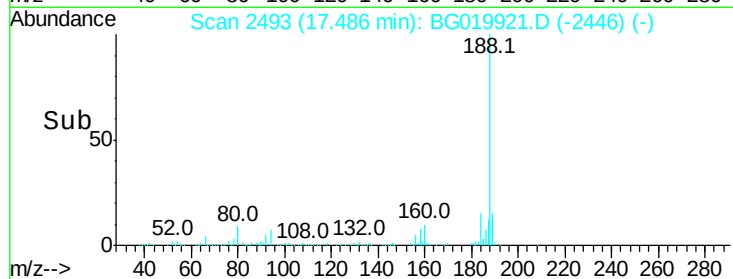
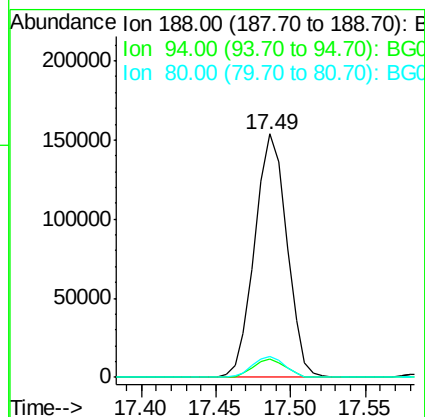
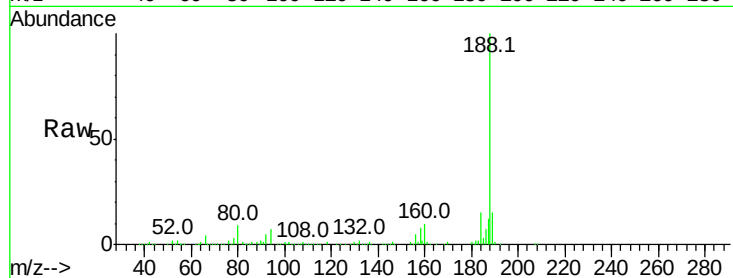




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.49 min Scan# 2493  
Delta R.T. -0.02 min  
Lab File: BG019921.D  
Acq: 5 Dec 2015 1:35

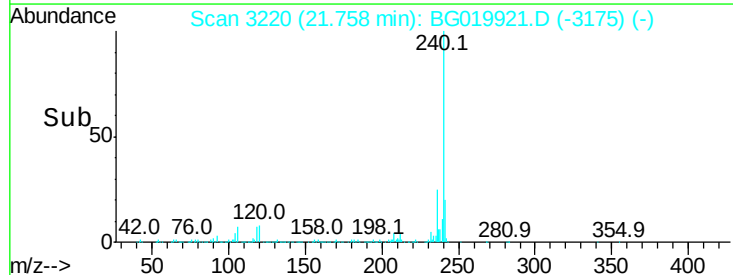
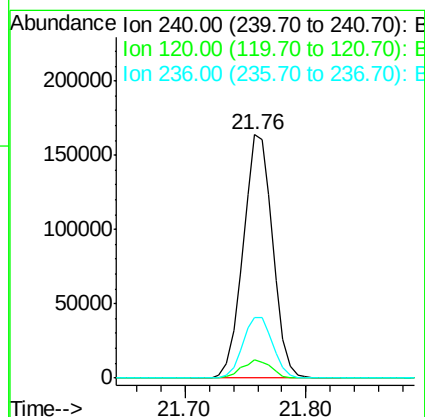
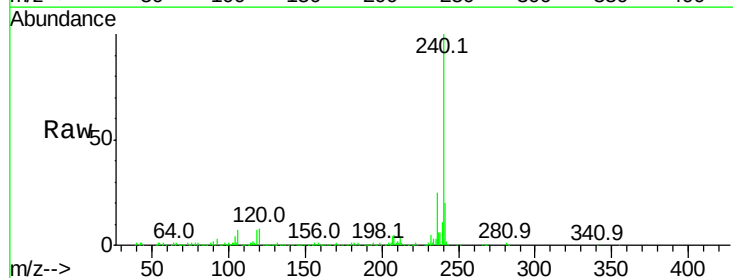
Instrument :  
BNA\_G  
ClientSampleId :  
MW-23

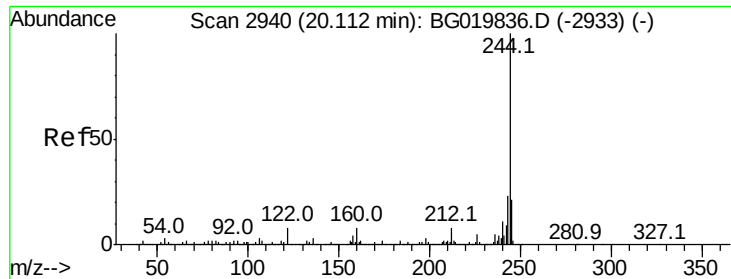
Tot Ion:188 Resp: 229289  
Ion Ratio Lower Upper  
188 100  
94 7.5 7.7 11.5#  
80 8.8 7.8 11.8



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.76 min Scan# 3220  
Delta R.T. -0.03 min  
Lab File: BG019921.D  
Acq: 5 Dec 2015 1:35

Tgt Ion:240 Resp: 278748  
Ion Ratio Lower Upper  
240 100  
120 7.8 7.4 11.0  
236 24.9 20.7 31.1



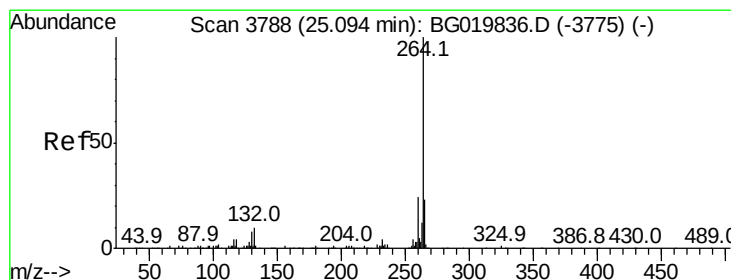
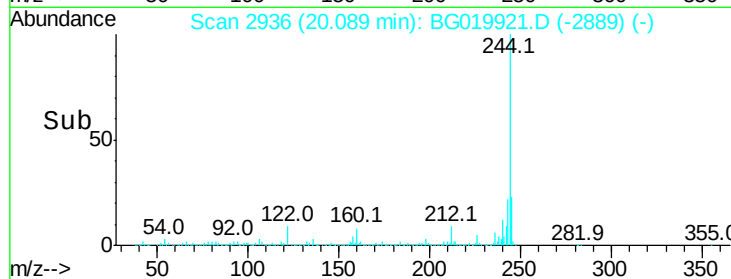
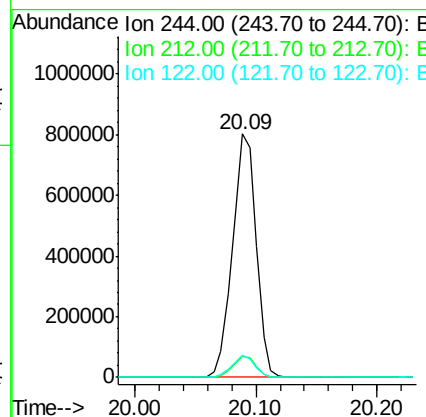
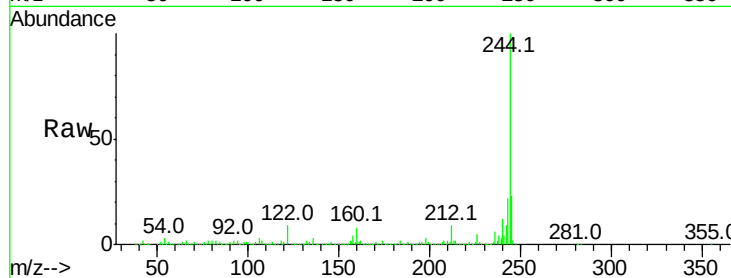


#78  
 Terphenyl-d14  
 Concen: 95.66 ng  
 RT: 20.09 min Scan# 2936  
 Delta R.T. -0.02 min  
 Lab File: BG019921.D  
 Acq: 5 Dec 2015 1:35

Instrument :  
 BNA\_G  
 ClientSampled :  
 MW-23

Tot Ion:244 Resp: 1093217  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.8   | 6.9   | 10.3  |
| 122 | 9.1   | 10.2  | 15.2# |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.04 min Scan# 3779  
 Delta R.T. -0.05 min  
 Lab File: BG019921.D  
 Acq: 5 Dec 2015 1:35

Tgt Ion:264 Resp: 267496  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 18.5  | 27.7  |
| 265 | 21.6  | 17.2  | 25.8  |

