

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062116\  
 Data File : BG022491.D  
 Acq On : 22 Jun 2016 8:15  
 Operator : UM/SJ  
 Sample : H3601-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PM-STA-1407(0-4)

Quant Time: Jun 22 14:00:59 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 22 01:27:56 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.98  | 152  | 18462    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.81 | 136  | 86234    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.64 | 164  | 57250    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.38 | 188  | 128925   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.65 | 240  | 114556   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.85 | 264  | 102172   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 171159   | 179.25 | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 234725   | 156.35 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 129797   | 104.94 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 71558    | 110.62 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.25 | 172  | 374784   | 99.76  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.98 | 244  | 545444   | 113.04 | ng    | 0.00     |

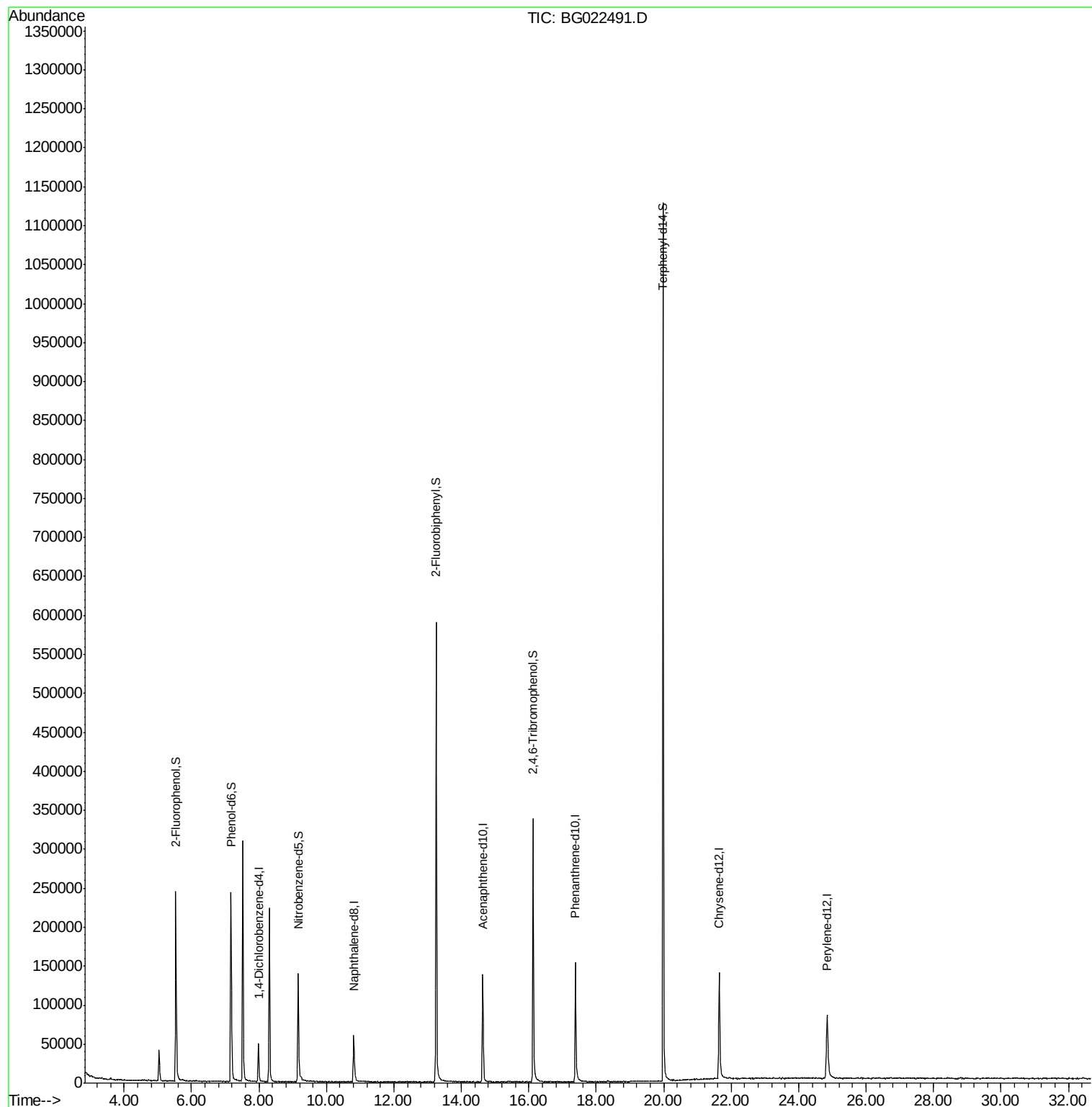
Target Compounds Qvalue

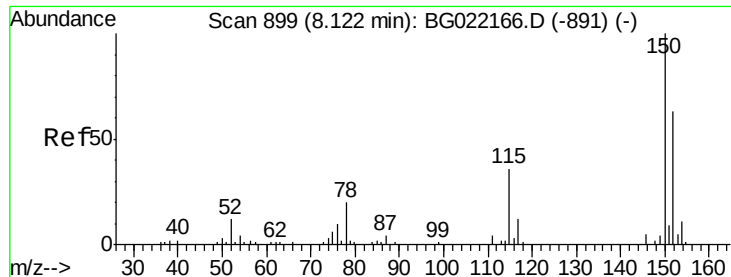
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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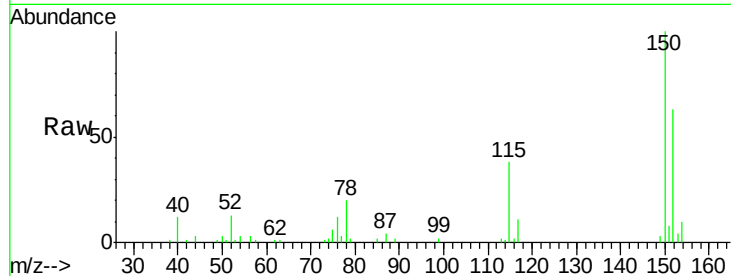


#1

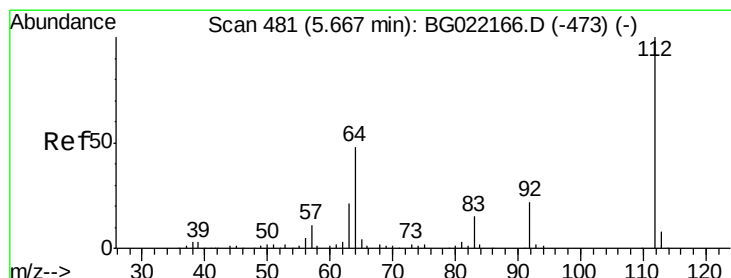
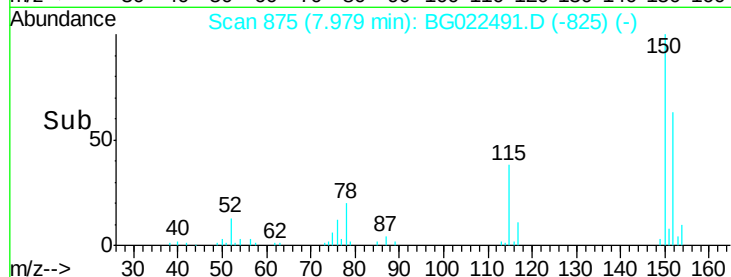
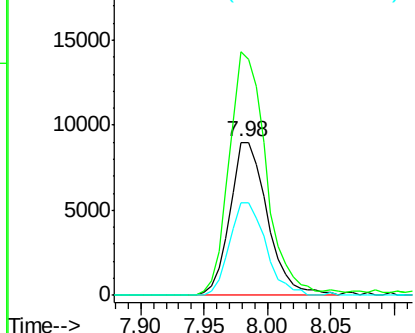
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.98 min Scan# 875  
Delta R.T. -0.01 min  
Lab File: BG022491.D  
Acq: 22 Jun 2016 8:15

Instrument :  
BNA\_G  
ClientSampleId :  
PM-STA-1407(0-4)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.1 | 130.1 | 195.1 |
| 115     | 60.6  | 62.2  | 93.2  |



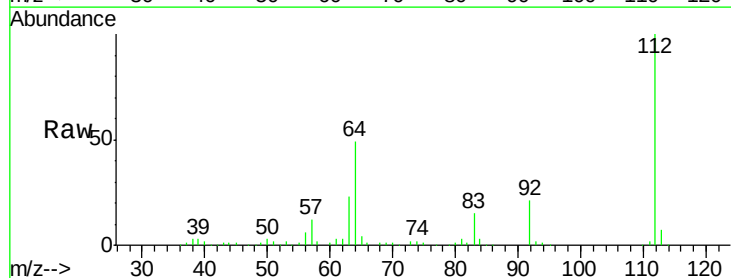
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



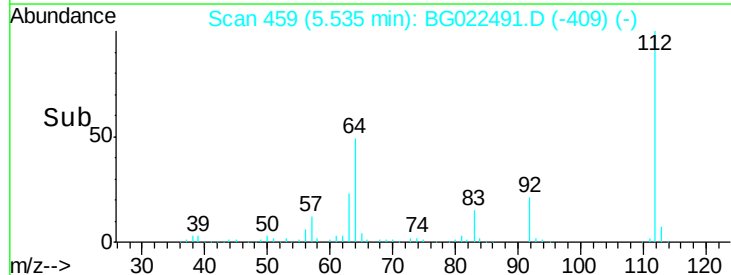
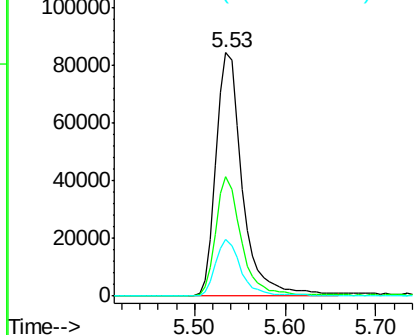
#5

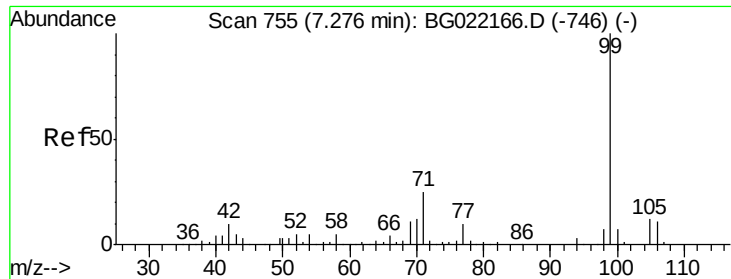
2-Fluorophenol  
Concen: 179.25 ng  
RT: 5.53 min Scan# 459  
Delta R.T. -0.01 min  
Lab File: BG022491.D  
Acq: 22 Jun 2016 8:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 49.3  | 51.1  | 76.7  |
| 63      | 23.2  | 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: 156.35 ng

RT: 7.17 min Scan# 737

Delta R.T. -0.01 min

Lab File: BG022491.D

Acq: 22 Jun 2016 8:15

Instrument :

BNA\_G

ClientSampleId :

PM-STA-1407(0-4)

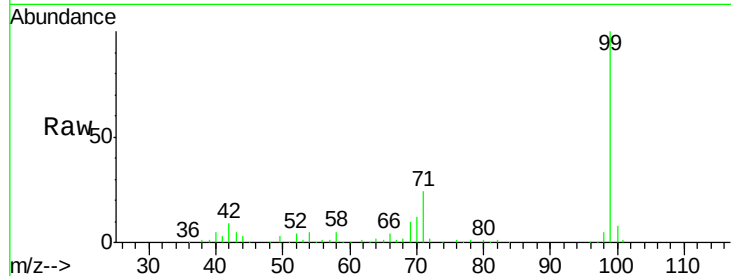
Tot Ion: 99 Resp: 234725

Ion Ratio Lower Upper

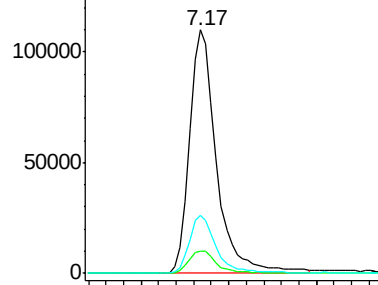
99 100

42 8.9 16.4 24.6#

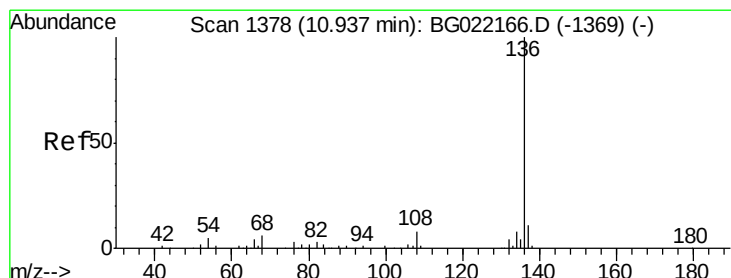
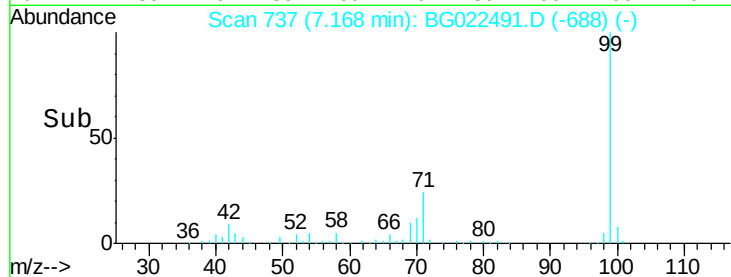
71 23.6 25.0 37.4#



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



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.81 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BG022491.D

Acq: 22 Jun 2016 8:15

Tgt Ion: 136 Resp: 86234

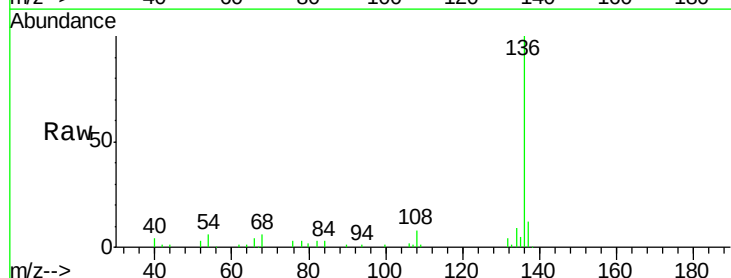
Ion Ratio Lower Upper

136 100

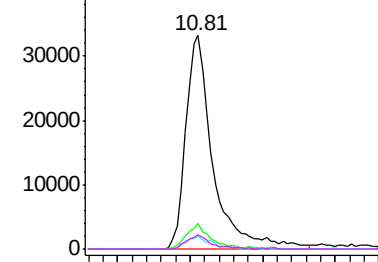
137 12.1 9.0 13.4

54 6.1 9.6 14.4#

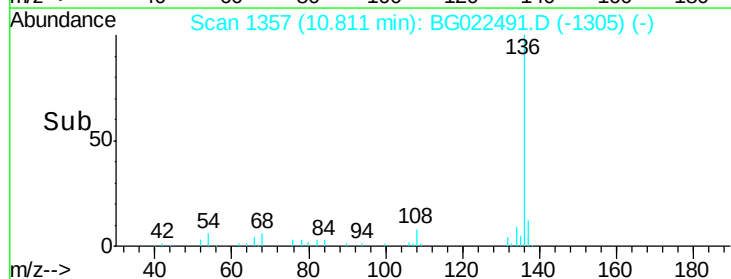
68 6.3 6.4 9.6#

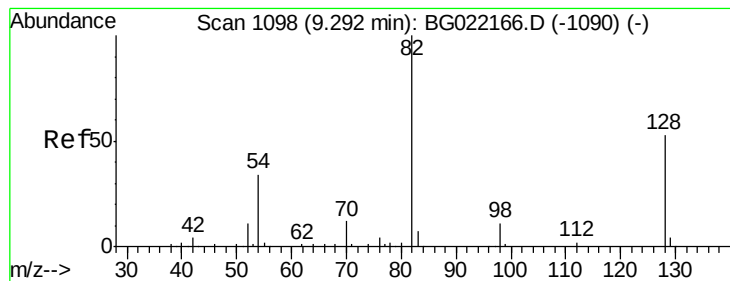


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC



Time-->





#23

Nitrobenzene-d5

Concen: 104.94 ng

RT: 9.16 min Scan# 1076

Delta R.T. -0.00 min

Lab File: BG022491.D

Acq: 22 Jun 2016 8:15

Instrument :

BNA\_G

ClientSampleId :

PM-STA-1407(0-4)

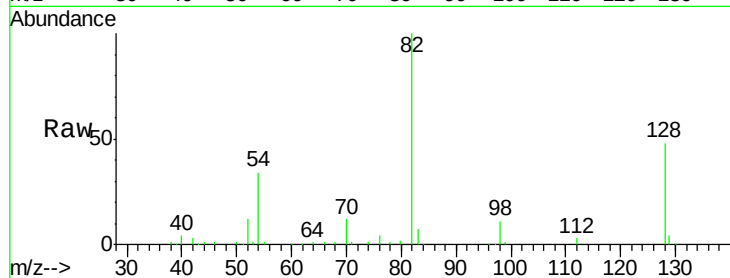
Tot Ion: 82 Resp: 129797

Ion Ratio Lower Upper

82 100

128 48.4 33.4 50.0

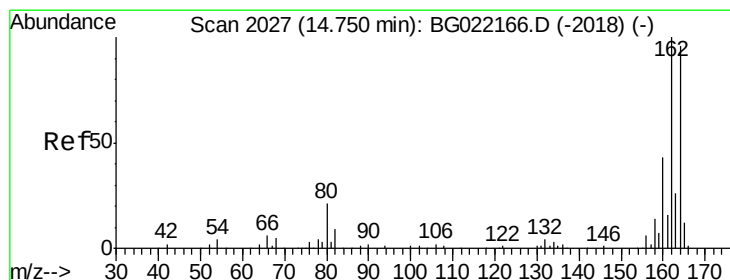
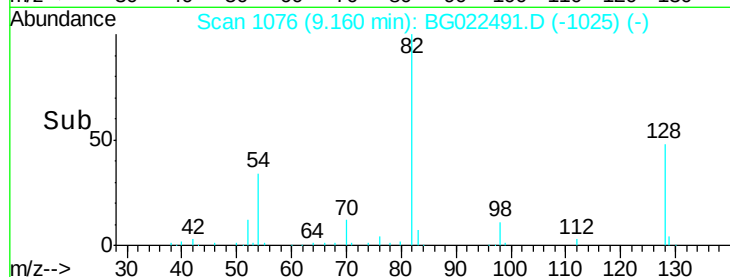
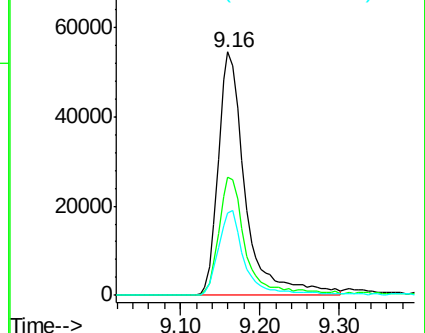
54 33.6 46.1 69.1#



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: 14.64 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BG022491.D

Acq: 22 Jun 2016 8:15

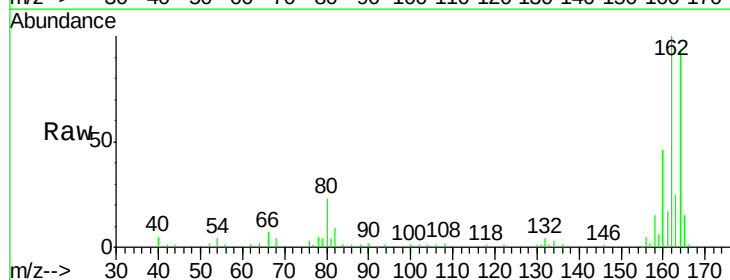
Tgt Ion:164 Resp: 57250

Ion Ratio Lower Upper

164 100

162 107.3 78.0 117.0

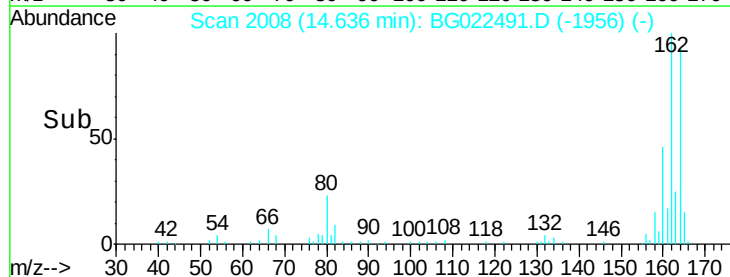
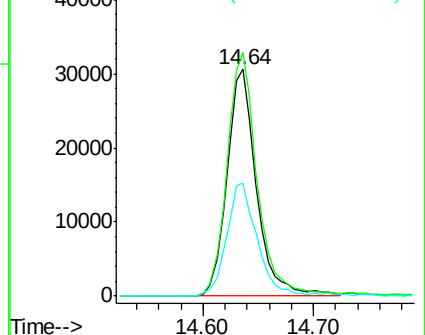
160 49.7 32.9 49.3#

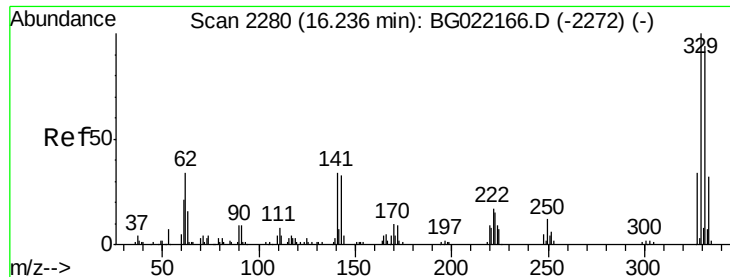


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

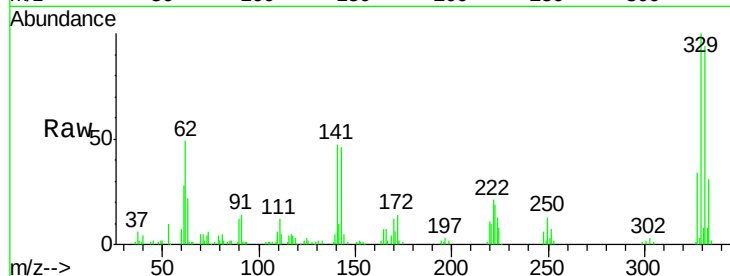




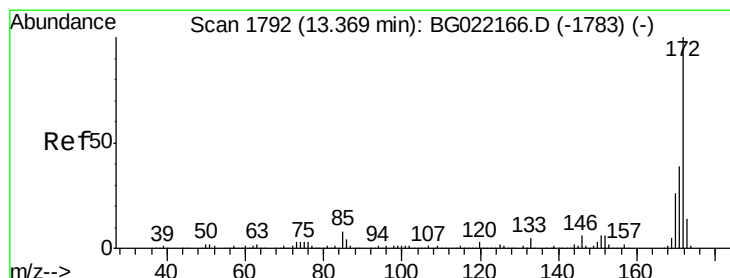
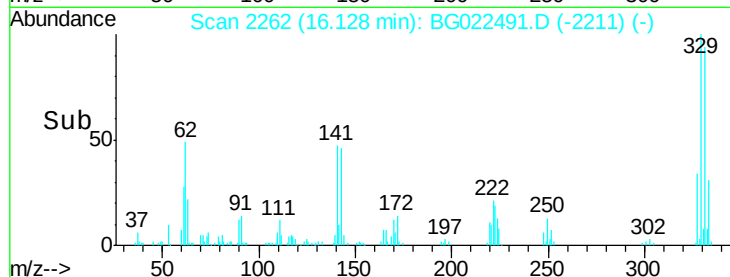
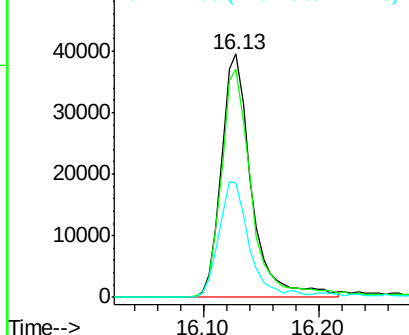
#41  
 2,4,6-Tribromophenol  
 Concen: 110.62 ng  
 RT: 16.13 min Scan# 2262  
 Delta R.T. -0.00 min  
 Lab File: BG022491.D  
 Acq: 22 Jun 2016 8:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PM-STA-1407(0-4)

Tot Ion:330 Resp: 71558  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 78.0 117.0  
 141 47.8 33.8 50.8

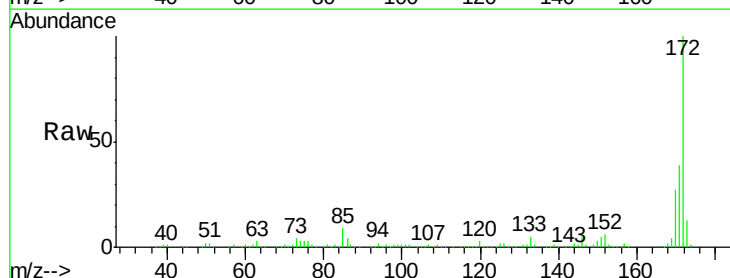


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

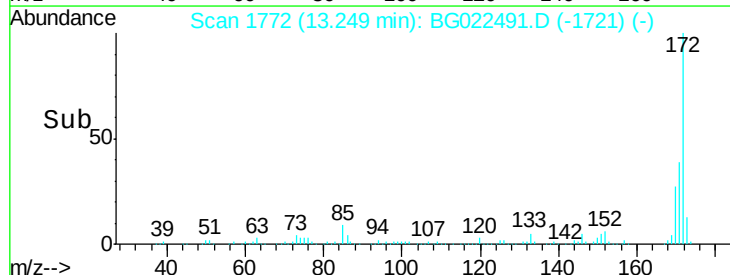
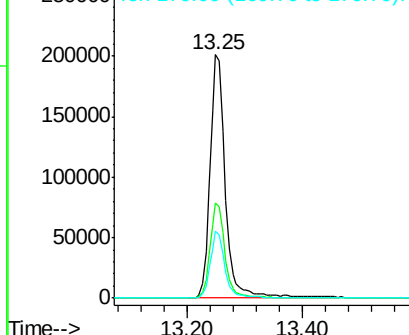


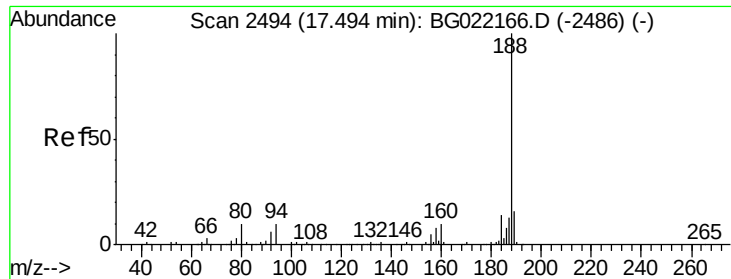
#44  
 2-Fluorobiphenyl  
 Concen: 99.76 ng  
 RT: 13.25 min Scan# 1772  
 Delta R.T. -0.00 min  
 Lab File: BG022491.D  
 Acq: 22 Jun 2016 8:15

Tgt Ion:172 Resp: 374784  
 Ion Ratio Lower Upper  
 172 100  
 171 39.1 27.8 41.6  
 170 27.3 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

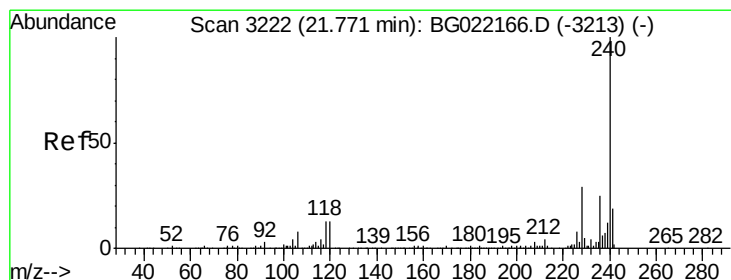
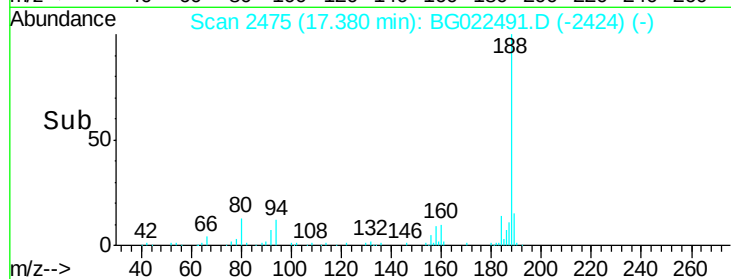
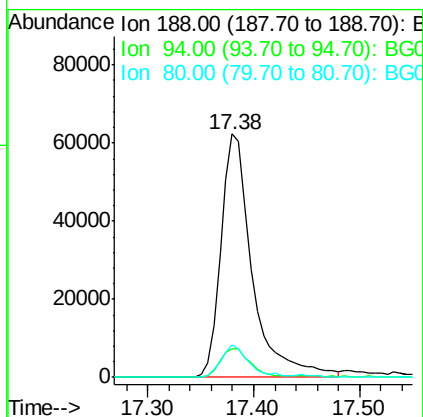
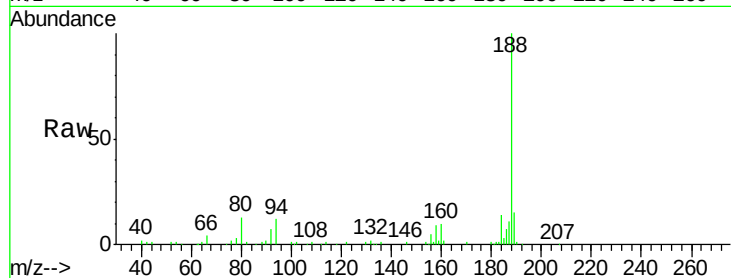




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.38 min Scan# 2475  
Delta R.T. -0.00 min  
Lab File: BG022491.D  
Acq: 22 Jun 2016 8:15

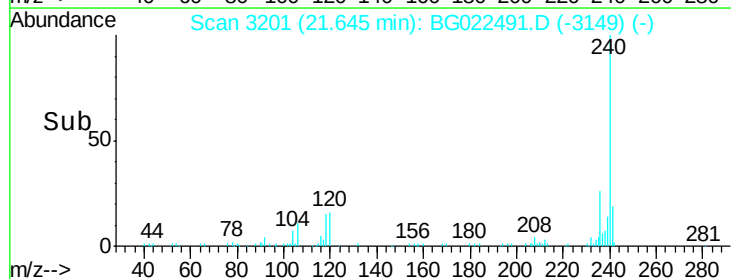
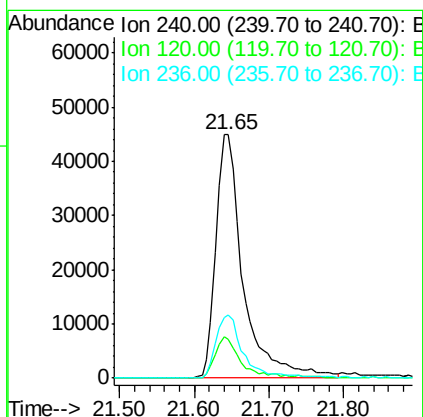
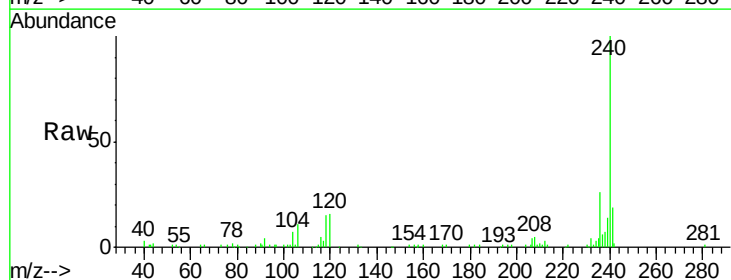
Instrument :  
BNA\_G  
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PM-STA-1407(0-4)

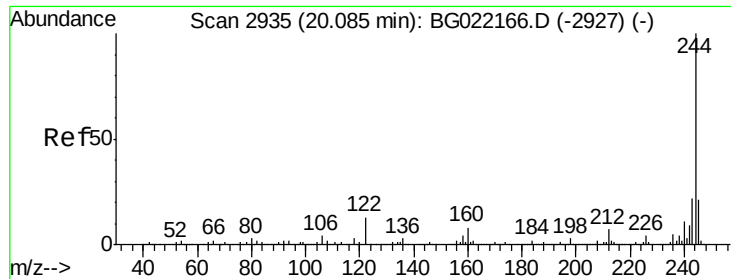
Tot Ion:188 Resp: 128925  
Ion Ratio Lower Upper  
188 100  
94 11.7 7.5 11.3#  
80 13.1 8.6 13.0#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.65 min Scan# 3201  
Delta R.T. 0.00 min  
Lab File: BG022491.D  
Acq: 22 Jun 2016 8:15

Tgt Ion:240 Resp: 114556  
Ion Ratio Lower Upper  
240 100  
120 16.0 8.4 12.6#  
236 25.8 19.6 29.4





#78

Terphenyl-d14

Concen: 113.04 ng

RT: 19.98 min Scan# 2918

Delta R.T. 0.00 min

Lab File: BG022491.D

Acq: 22 Jun 2016 8:15

Instrument :

BNA\_G

ClientSampleId :

PM-STA-1407(0-4)

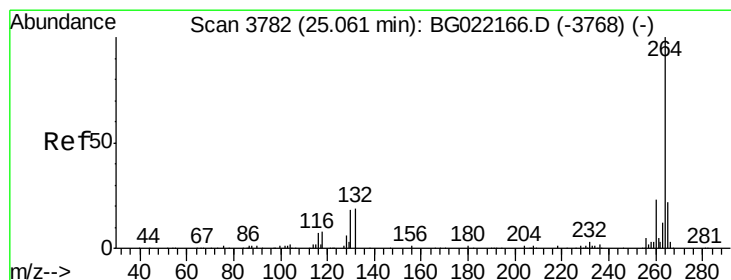
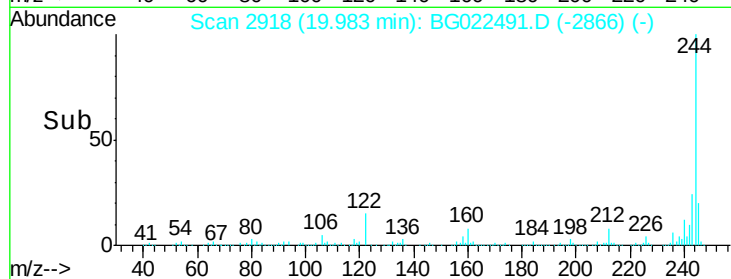
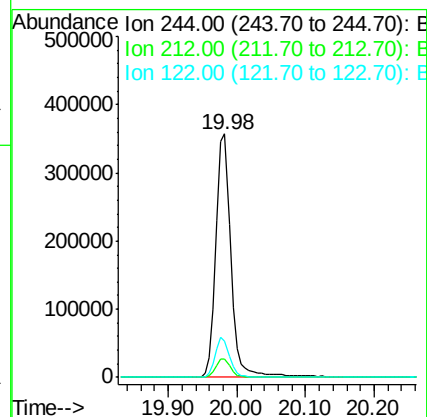
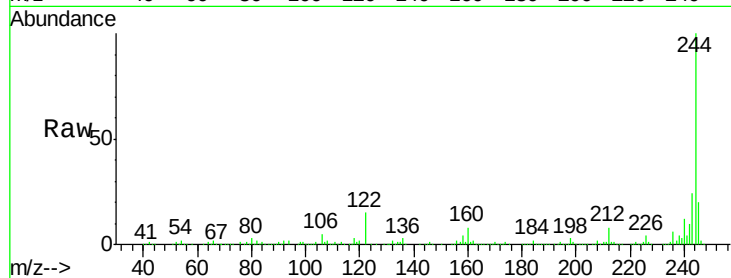
Tot Ion:244 Resp: 545444

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 15.1 8.6 12.8#



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.85 min Scan# 3746

Delta R.T. 0.01 min

Lab File: BG022491.D

Acq: 22 Jun 2016 8:15

Tgt Ion:264 Resp: 102172

Ion Ratio Lower Upper

264 100

260 25.5 20.2 30.4

265 23.1 17.8 26.8

