

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060716\  
 Data File : BG022209.D  
 Acq On : 7 Jun 2016 18:07  
 Operator : UM/SJ  
 Sample : PB91119BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB91119BL

Quant Time: Jun 08 03:10:30 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  | 22828    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.94 | 136  | 104724   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.74 | 164  | 70663    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.49 | 188  | 182047   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.77 | 240  | 181989   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.06 | 264  | 171499   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.67  | 112  | 176960   | 149.88 | ng    | 0.00     |
| 7) Phenol-d6                | 7.28  | 99   | 247135   | 133.13 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 122279   | 81.40  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 104868   | 131.34 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 361365   | 77.93  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.08 | 244  | 666672   | 86.97  | ng    | 0.00     |

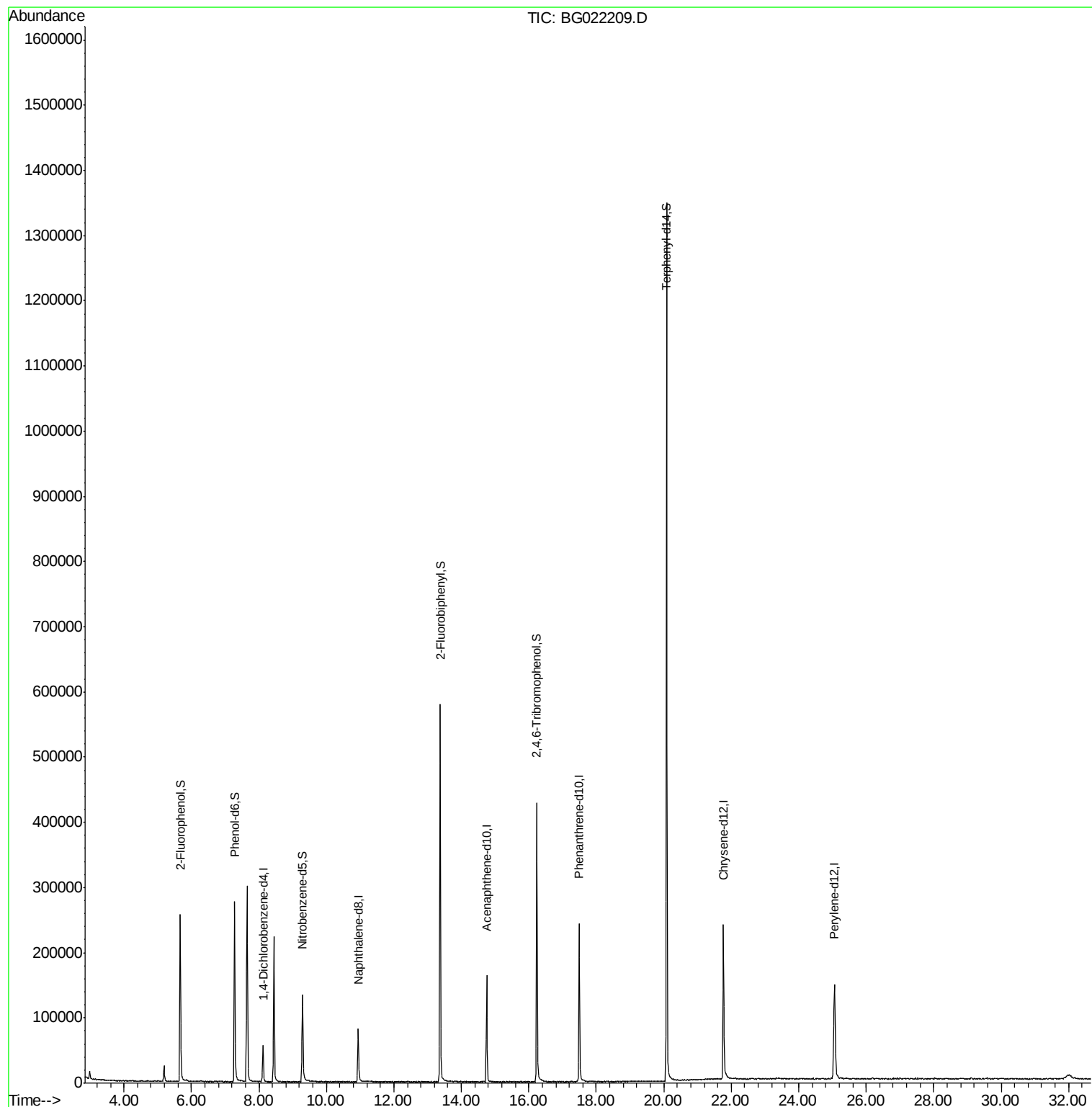
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

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Acq: 7 Jun 2016 18:07

Instrument :

BNA\_G

ClientSampleId :

PB91119BL

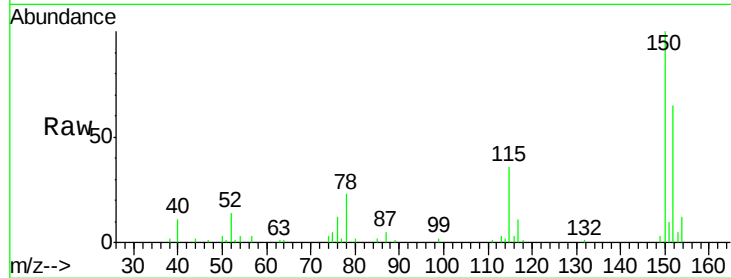
Tgt Ion:152 Resp: 22828

Ion Ratio Lower Upper

152 100

150 152.8 130.1 195.1

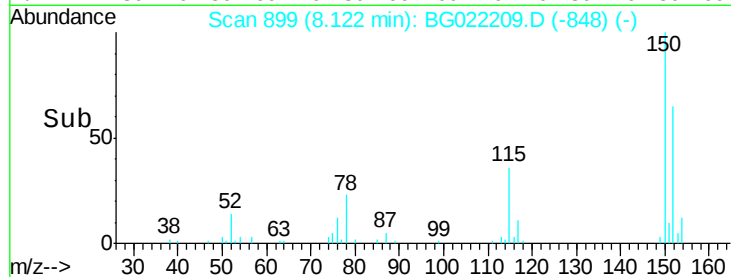
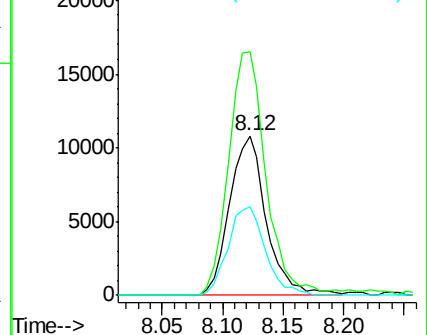
115 55.6 62.2 93.2#



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: 149.88 ng

RT: 5.67 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG022209.D

Acq: 7 Jun 2016 18:07

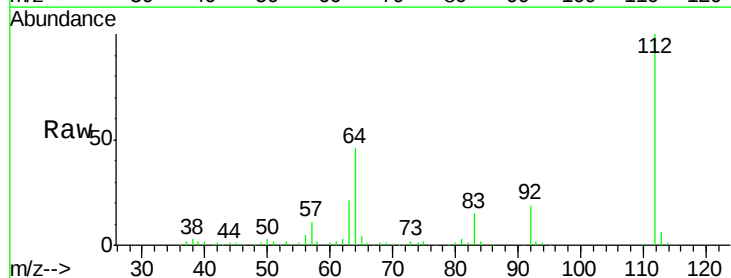
Tgt Ion:112 Resp: 176960

Ion Ratio Lower Upper

112 100

64 45.8 51.1 76.7#

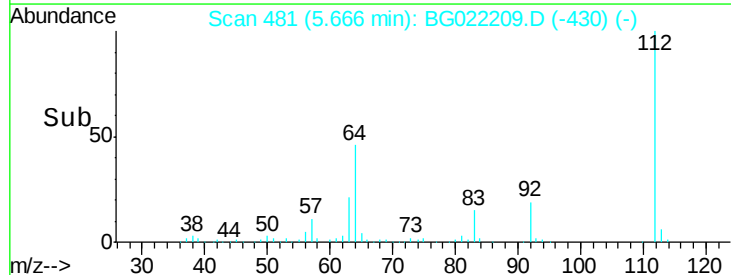
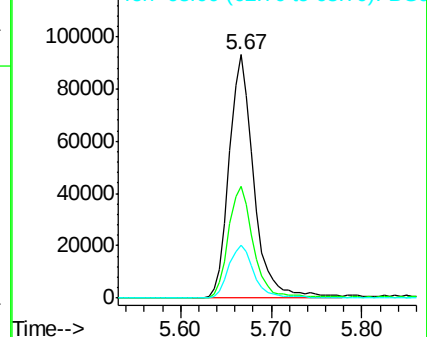
63 21.5 24.6 37.0#

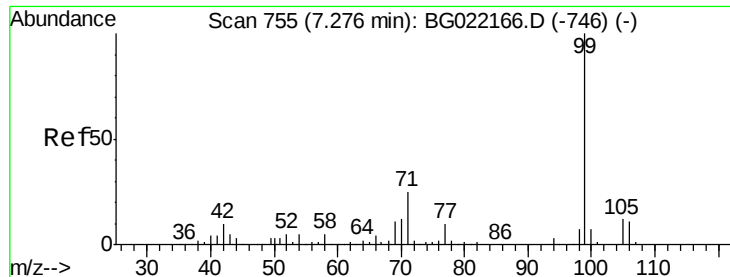


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 133.13 ng

RT: 7.28 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022209.D

Acq: 7 Jun 2016 18:07

Instrument :

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ClientSampleId :

PB91119BL

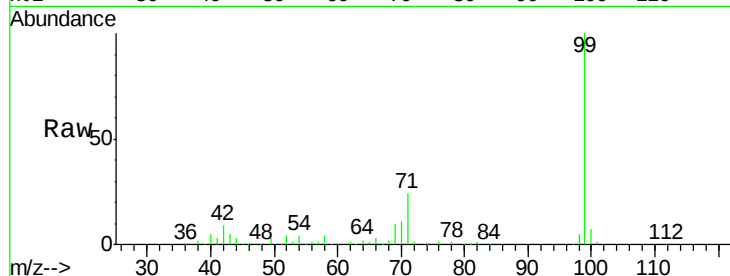
Tgt Ion: 99 Resp: 247135

Ion Ratio Lower Upper

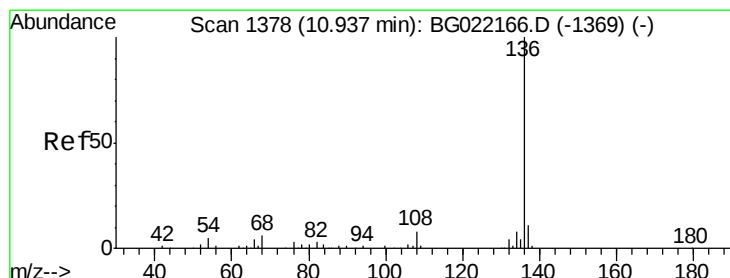
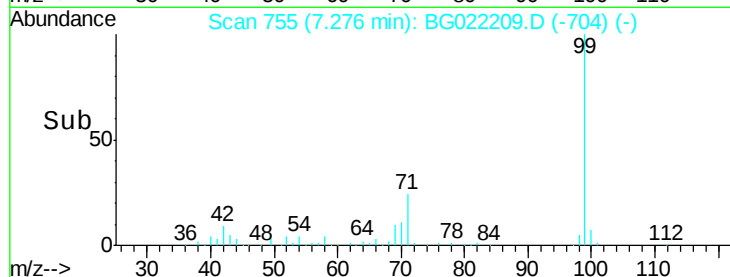
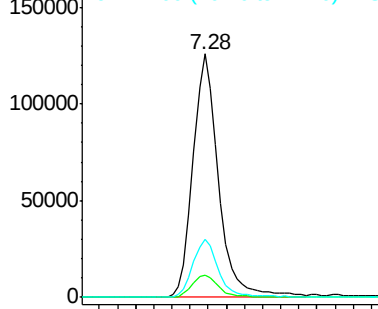
99 100

42 9.2 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: 10.94 min Scan# 1379

Delta R.T. 0.01 min

Lab File: BG022209.D

Acq: 7 Jun 2016 18:07

Tgt Ion: 136 Resp: 104724

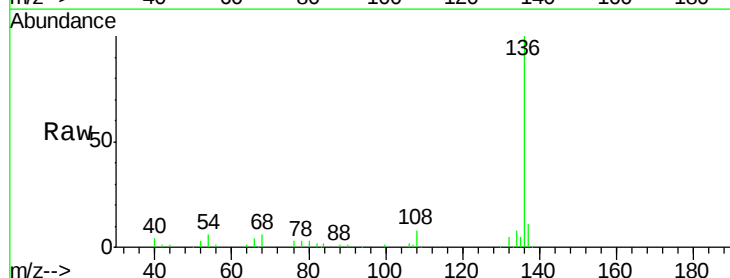
Ion Ratio Lower Upper

136 100

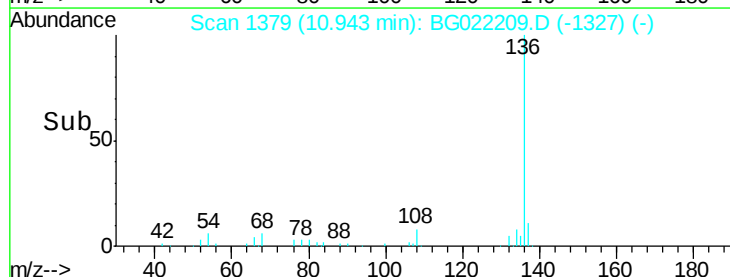
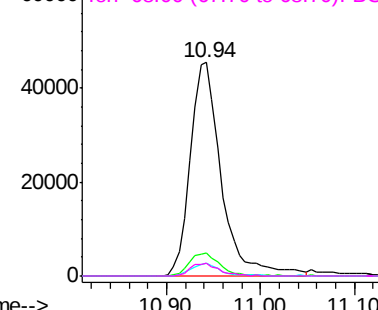
137 10.6 9.0 13.4

54 5.8 9.6 14.4#

68 5.7 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

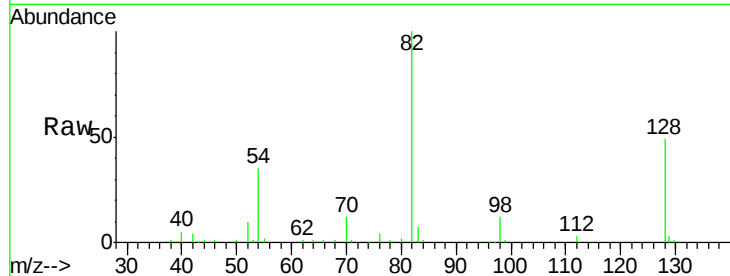




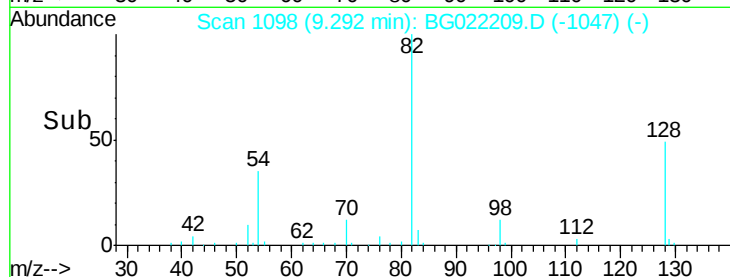
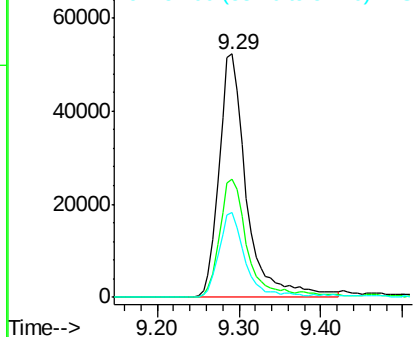
#23  
Nitrobenzene-d5  
Concen: 81.40 ng  
RT: 9.29 min Scan# 1098  
Delta R.T. -0.00 min  
Lab File: BG022209.D  
Acq: 7 Jun 2016 18:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB91119BL

Tgt Ion: 82 Resp: 122279  
Ion Ratio Lower Upper  
82 100  
128 48.7 33.4 50.0  
54 35.0 46.1 69.1#

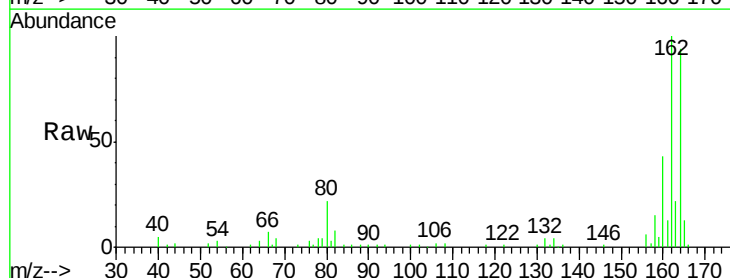


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

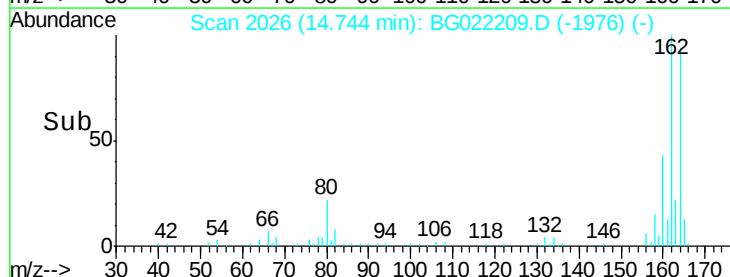
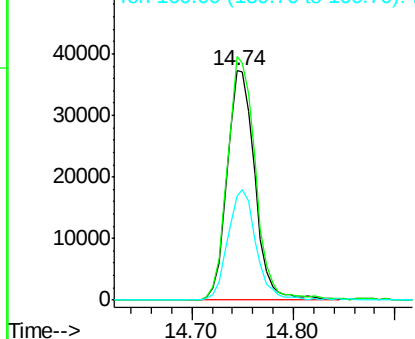


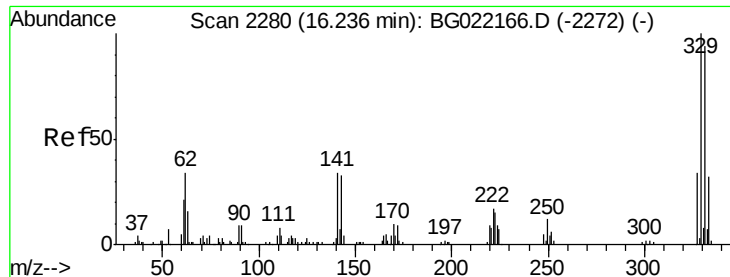
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.74 min Scan# 2026  
Delta R.T. -0.01 min  
Lab File: BG022209.D  
Acq: 7 Jun 2016 18:07

Tgt Ion: 164 Resp: 70663  
Ion Ratio Lower Upper  
164 100  
162 106.3 78.0 117.0  
160 45.2 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

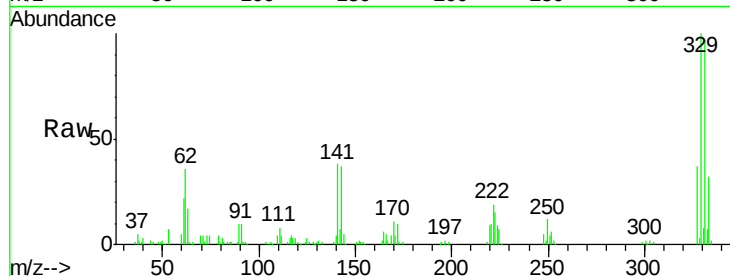




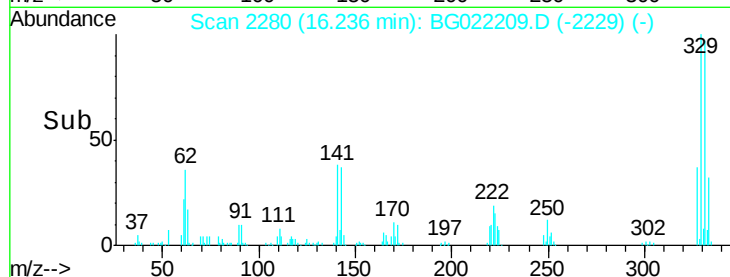
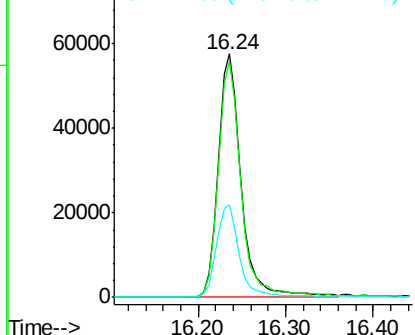
#41  
 2,4,6-Tribromophenol  
 Concen: 131.34 ng  
 RT: 16.24 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: BG022209.D  
 Acq: 7 Jun 2016 18:07

Instrument :  
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 PB91119BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 78.0  | 117.0 |
| 141     | 38.4  | 33.8  | 50.8  |

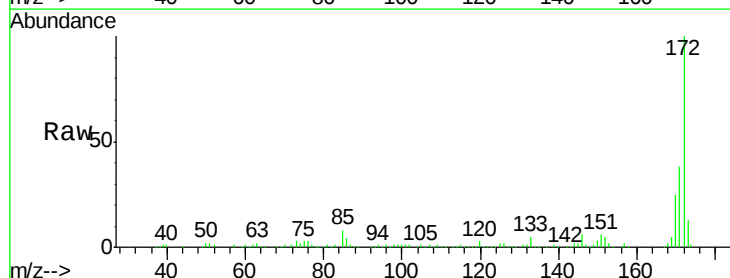


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

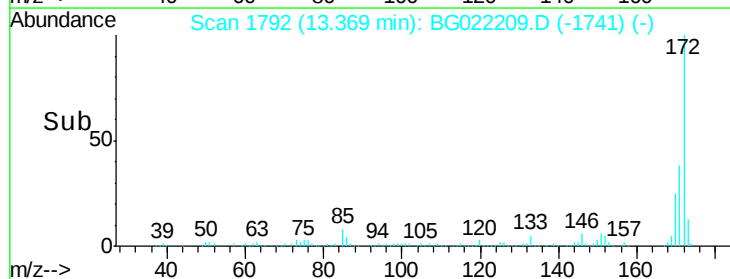
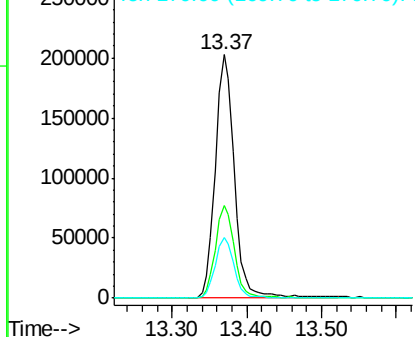


#44  
 2-Fluorobiphenyl  
 Concen: 77.93 ng  
 RT: 13.37 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: BG022209.D  
 Acq: 7 Jun 2016 18:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 27.8  | 41.6  |
| 170     | 25.1  | 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

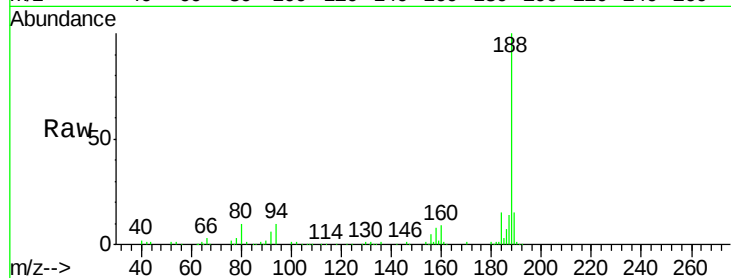




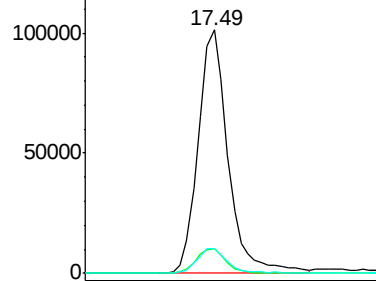
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.49 min Scan# 2494  
Delta R.T. -0.00 min  
Lab File: BG022209.D  
Acq: 7 Jun 2016 18:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB91119BL

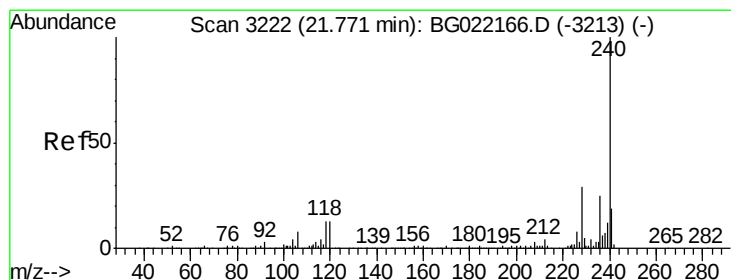
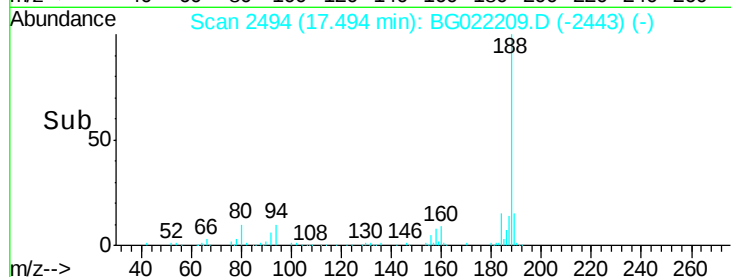
Tgt Ion:188 Resp: 182047  
Ion Ratio Lower Upper  
188 100  
94 10.1 7.5 11.3  
80 10.3 8.6 13.0



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

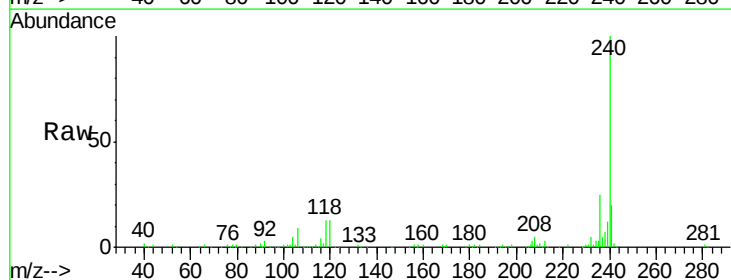


Time--> 17.40 17.50 17.60

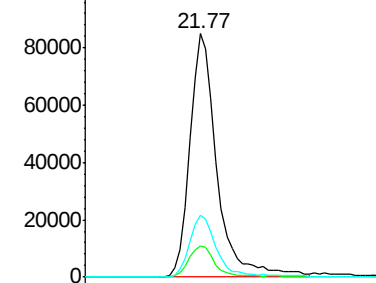


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.77 min Scan# 3221  
Delta R.T. -0.01 min  
Lab File: BG022209.D  
Acq: 7 Jun 2016 18:07

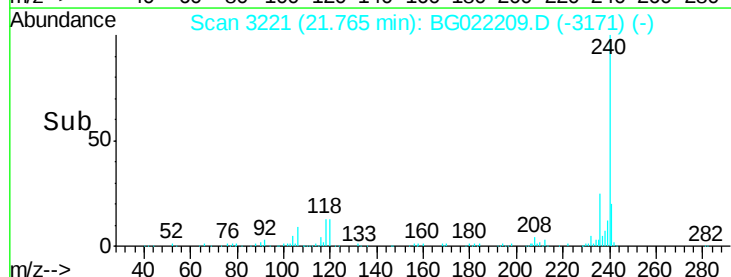
Tgt Ion:240 Resp: 181989  
Ion Ratio Lower Upper  
240 100  
120 12.8 8.4 12.6#  
236 25.4 19.6 29.4



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



Time--> 21.70 21.80 21.90





#78

Terphenyl-d14

Concen: 86.97 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022209.D

Acq: 7 Jun 2016 18:07

Instrument :

BNA\_G

ClientSampleId :

PB91119BL

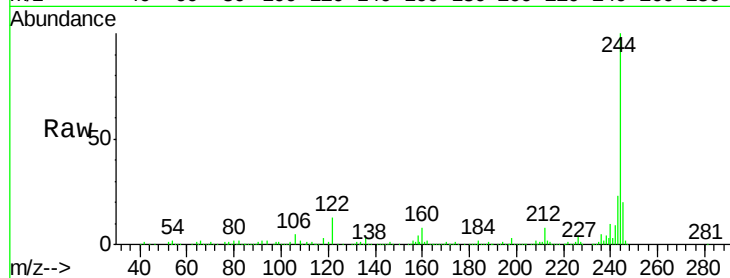
Tgt Ion:244 Resp: 666672

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

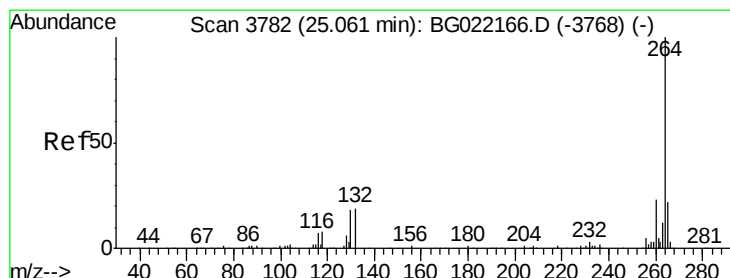
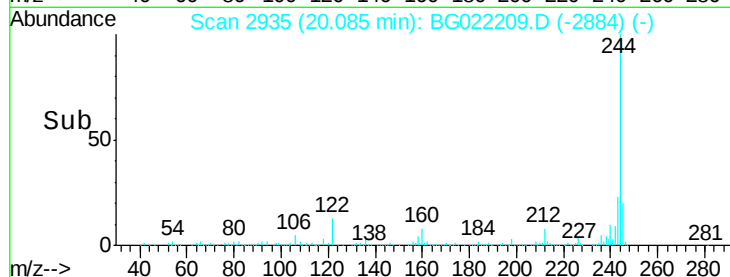
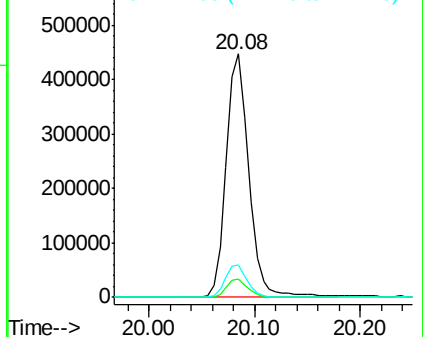
122 13.2 8.6 12.8#



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: BG022209.D

Acq: 7 Jun 2016 18:07

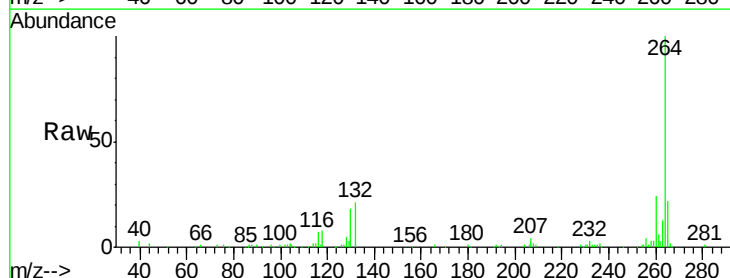
Tgt Ion:264 Resp: 171499

Ion Ratio Lower Upper

264 100

260 23.6 20.2 30.4

265 21.7 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

